STATE OF OHIO
DEPARTMENT OF HIGHWAYS

SUM-8-1.89
SPRINGFIELD TOWNSHIP
GREEN TOWNSHIP
SUMMIT COUNTY

I-77-4(17)113

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	I-77-4(17)113	

1/315

SUMMIT COUNTY
SUM-8-1.89

DEC 22 1965
GROUND PHOTOLAB

CONVENTIONAL SIGNS

Section Line	
Center Line of Road	
Street Line	
Property Line	
Limited Access & Right of Way	
Limited Access Only	LA
Right of Way Only	RW
Corporation Line	
Limits of Cut or Fill	
Slope Easement	SL
Guard Rail	
Power Pole	
Telephone Pole	
Fire Hydrant	
Fence Line	

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LINE DATA

Begin Project Sta. 100+00
End Project Sta. 355+00

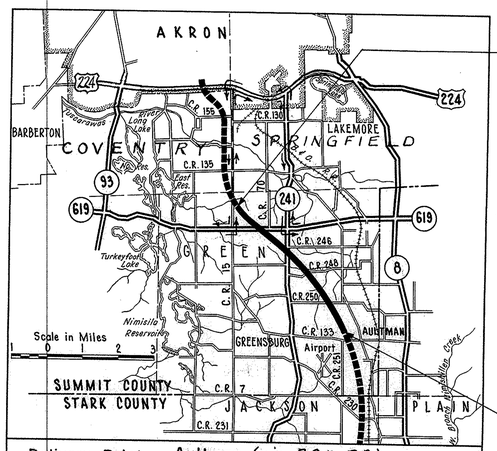
Equations: Sta. 221+10.81 Bk. = Sta. 221+11.75 Ah. (Deduct 0.94 L.F.)
Sta. 316+00.00 Bk. = Sta. 317+00.00 Ah. (Deduct 100.00 L.F.)

Net Length Of Project 25,399.06 Lin. Ft. or 4.810 Mi.

Add For Approaches:

Main Line Sta. 355+00 To Sta. 365+00	1000.00 Lin. Ft.
Wise Road Sta. 0+25 To Sta. 17+00	1675.00 Lin. Ft.
Graybill Rd. Sta. 1+50 To Sta. 17+50	1600.00 Lin. Ft.
Massillon Rd. Sta. 3+92 To Sta. 31+01	2709.00 Lin. Ft.
Turkeyfoot Lake Rd. Sta. 3+50 To Sta. 15+00	1150.00 Lin. Ft.
Chenoweth Access Rd. Sta. 9+32.56 To Sta. 22+94.60	1362.04 Lin. Ft.

TOTAL LENGTH OF WORK 34,895.10 Lin. Ft. or 6.608 Mi



Delivery Point Aultman (via B&O RR.)
Average Haul From Siding 3.0 Miles

LOCATION PLAN

Location of Project To Be Constructed Under Sec. (STA.-8-14.00) (SUM.-8-0.00) & SUM.-8-6.72
Federal Routes
State Routes
Other Roads
Detours (S.R. 619)

Scales
Plan: 1" = 50'
Profile: Horizontal 1" = 50', Vertical 1" = 5'
Cross Sections: 1" = 10'

Sheets 245 & 251 revised 3-14-62.

LIMITED ACCESS

This improvement is especially designed for through traffic and has been declared a limited access highway or freeway, by action of the Director of Highways in accordance with provisions of Section 5511.02 of the Revised Code of Ohio.

The Standard Specifications of the State of Ohio, Department of Highways, including changes and Supplemental Specifications listed in the proposal shall govern this improvement.

The right of way for this improvement will be provided by the State of Ohio.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highways, except as noted on Sheet 9 and that provisions for the maintenance and safety of traffic will be as set forth on these plans and estimates.

1961 SPECIFICATIONS

Approved Earl L. Campbell
Date 10-18-61 Division Deputy Director

Approved D.H. Sherman
Date 11-7-61 Engineer of Bridges

Approved W. Kressman
Date 11-7-61 Engineer of Location and Design

Approved C.W. McCaughey
Date 11-8-61 Deputy Director of Design and Construction

Approved W.W. Boor
Date 10-30-61 Deputy Director of Right of Way

Approved Guy E. Hooper
Date 11-10-61 Deputy Director of Planning and Programming

Approved W.A. Berry
Date 11-10-61 First Assistant Director

Approved E.L. Preston
Date 11-10-61 Director of Highways

DESIGNED BY
MICHAEL BAKER, JR.
Consulting Engineers
Baker Building
Rochester Penna.
REG. PROF. ENGR.
Ohio 9065
Date

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED

DIVISION ENGINEER DATE

DEC 22 1965
GROUND PHOTOLAB

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS

B-T-70-71	11-15-60	I-8 CB No. 3A	1-26-59	I-15 No. 6	7-1-59	R.R.A. No. 1	1-20-58
B-T-71 R	3-2-53	T-35	1-2-56	I-21-23	8-1-56	R.R.A. No. 2	1-20-58
F-1	9-1-59	I-8 CB No. 6	1-26-59	L-1	4-1-50		
F-3	9-1-59	I-8 CB No. 8	3-15-60	L-2	4-1-50	I-8 CB 2-3 & 2-4	1-26-59
G-7.07	6-1-56	I-8 MH No. 1	1-26-59	L-3	4-1-50	F-2	10-1-58
HW-A & B	7-15-57	I-8 MH No. 1A	10-2-61	L-3-A	4-1-50	R.R.A. No. 5	11-3-58
HW-C	7-15-57			L J No. 1	7-1-55	T-J	9-12-60
HW-E	11-15-60	I-12	7-1-54			SP-53	6-30-61
I-1	11-15-60	I-14 G	1-22-52	I-8 CB No. 5	7-1-58	AS-1-54	12-1-54
I-8 CB 2-2A & B	3-2-59	I-15 No. 1	11-15-60			RB-1-55	2-2-59
I-8 CB No. 3	1-26-59	I-15 No. 2A	8-17-60	RI-1	7-15-58	CSB-2-56 (3 & 6 2 & 3 & 6)	2-2-59
D.R.-1	1-3-55	I-15 No. 5	6-1-61			AR-1-57	12-12-60

SUPPLEMENTAL SPECIFICATION

18	Rev.	6-15-59
B-112		8-21-61
S-307		8-23-60
5-207.10		4-25-61
I-125	Rev.	6-26-61
I-127	Rev.	9-30-59
CE-101.04		5-22-56
M-107.18	Rev.	4-3-61
M-206.14		7-15-49

FILE NO.	SUMMIT COUNTY SUM-8-1.89
	Date of Letting _____ 196____
	Contract No. _____

Rev. 11-13-61 R.E.C.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

2

SUMMIT COUNTY
SUM - 8 - 1.89

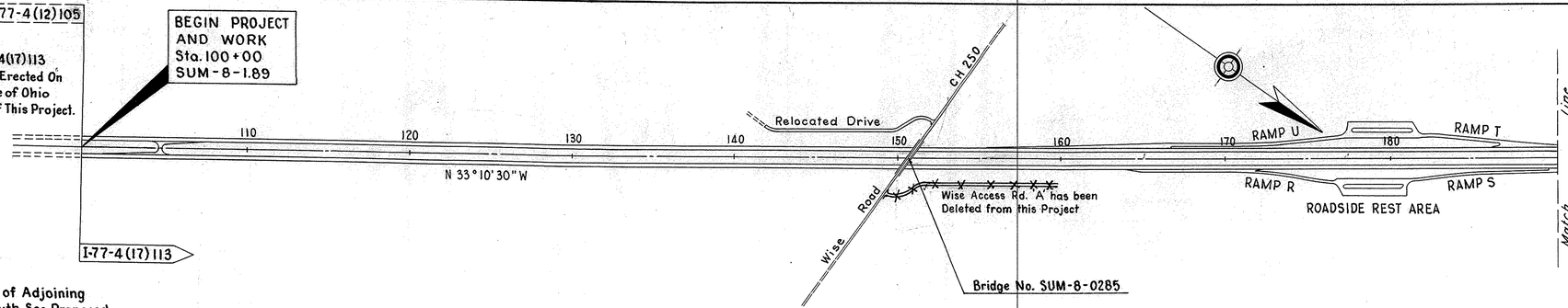
I-77-4 (12) 105

BEGIN PROJECT AND WORK
Sta. 100+00
SUM-8-1.89

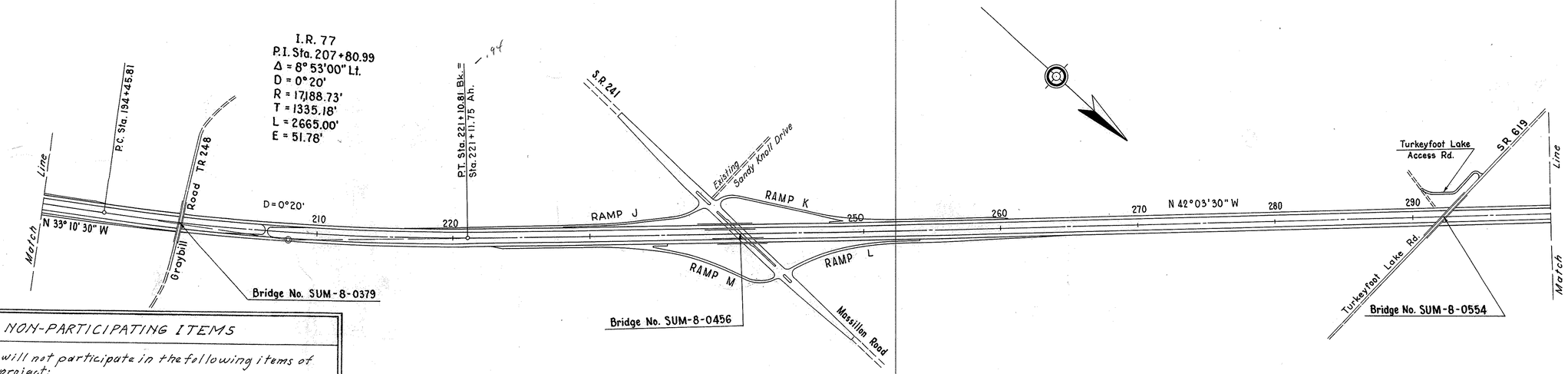
NOTE: Federal Marker I-77-4(17)113 Will Be Furnished and Erected On The Right By The State of Ohio Before Acceptance Of This Project.

I-77-4 (17) 113

NOTE: For Typical Section of Adjoining Pavement To The South, See Proposed Typical Section on Sheet No.3



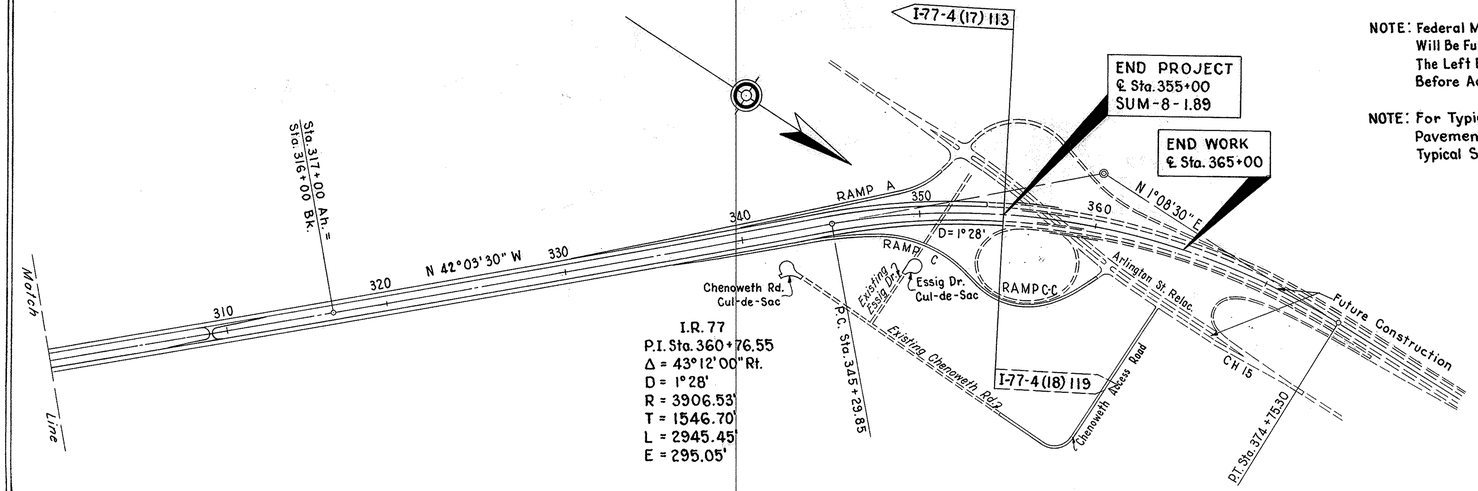
B.M. U.S.G.S. Elev. 1098.309
East Liberty; at E1/4 cor. sec. 9, Green Township at crossroads; 31 ft. S. of State Highway. 619 (East Turkeyfoot Lake Road); 29 ft. E of Arlington Road; 1 ft. NW of NW corner of stone wall; in concrete post; standard tablet stamped "41 RHP 1956 1098"



FEDERAL NON-PARTICIPATING ITEMS

Federal funds will not participate in the following items of work on this project:
(1) Item I-15, Barrier Type Guard Rail
(2) Item I-15, Standard Type Guard Rail used for Bridge Pier protection, for lengths of rail in excess of pier length plus 20 feet.
(3) Item SS-18 Fence, Type D, between the following Stations:
- (a) Sta. 110 to Sta. 128 on the Left
- (b) Sta. 118 to Sta. 128 on the Right
- (c) Sta. 208 to Sta. 224 on the Right
- (d) Sta. 260 to Sta. 278+50 on both sides
- (e) Sta. 302 to Sta. 311+50 on both sides

(4) Roadside Park items other than grading, draining, parking and screen planting items.
(5) Item I-125, 4" Edge lines



NOTE: Federal Marker I-77-4(17)113 Will Be Furnished and Erected On The Left By The State of Ohio Before Acceptance Of This Project.

NOTE: For Typical Section of Adjoining Pavement To The North, See Proposed Typical Section on Sheet No. 65

Scale: 1" = 400'

400 200 0 400 800 1000

SCHEMATIC LAYOUT PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM - 8 - 1.89

TYPICAL SECTIONS

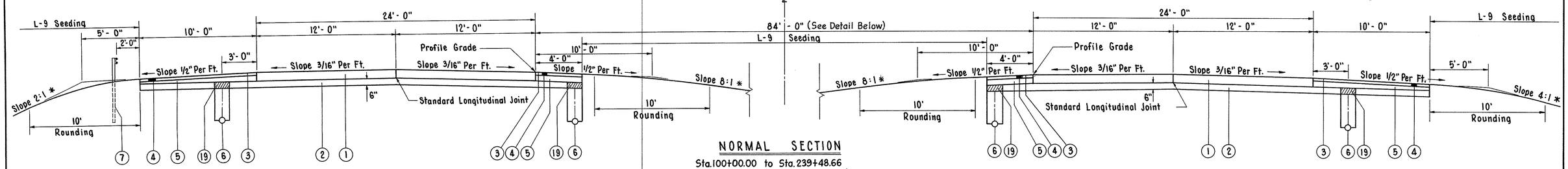
TYPE T-71

Scale : 1/4" = 1'-0"

CODE TYPE 7221

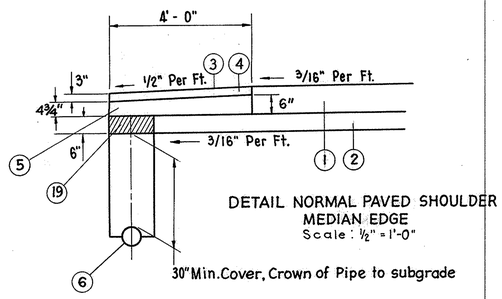
LEGEND

(1) T-71 9" Reinforced Portland Cement Concrete Pavement
(2) I-22 Subbase, A or B Grading, As per Plan
(3) T-31 Bituminous Surface Treatment *** (See Proposal Note)
(4) **B-21 3" Waterproofed Aggregate Base Course — (T-35, Type A Material may be used in construction of this course. See note in proposal.)
(5) B-112 Porous Base Course
(6) I-1 6" Pipe Class I-3
(7) I-15 Guard Rail Steel Beam Standard Type (Deep)
(18) L-3 Placing Stockpiled Topsoil
(19) - Remove subbase for width of Item I-1 trench and replace with either Class 3 backfill or with porous base material immediately prior to placing the Item B-112 Porous Base Course. Cost shall be included in price bid per lin. ft. for Item I-1.

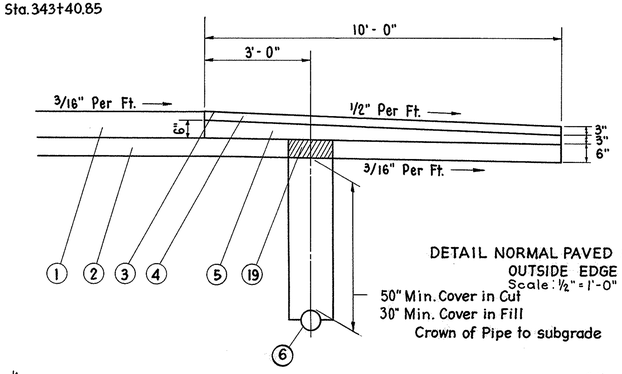


NORMAL SECTION

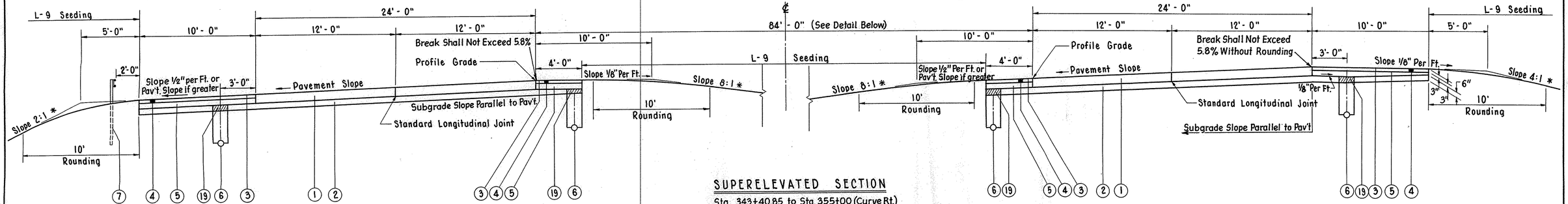
Sta.100+00.00 to Sta.239+48.66
Sta.239+48.66 to Sta.242+31.08 (Structure)
Sta.242+31.08 to Sta.343+40.85



DETAIL NORMAL PAVED SHOULDER
MEDIAN EDGE
Scale : 1/2" = 1'-0"

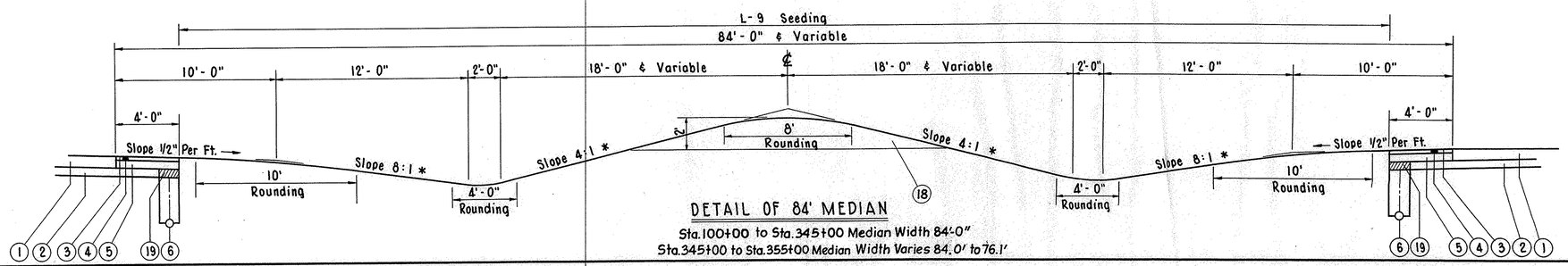


DETAIL NORMAL PAVED SHOULDER
OUTSIDE EDGE
Scale : 1/2" = 1'-0"
50" Min. Cover in Cut
30" Min. Cover in Fill
Crown of Pipe to subgrade



SUPERELEVATED SECTION

Sta. 343+40.85 to Sta. 355+00 (Curve Rt.)



DETAIL OF 84' MEDIAN

Sta.100+00 to Sta.345+00 Median Width 84'-0"
Sta.345+00 to Sta.355+00 Median Width Varies 84'-0" to 76.1'

*** Using 0.008 C.Y. No.6 Aggregate Per Sq.Yd. & 0.25 Gal. Bituminous Material Per Sq.Yd.

** B-21 Thickness Shown is "Designed" Thickness as Per Sec. B-21.01

* All Typicals or Otherwise as Shown on Cross Sections

TYPICAL SECTIONS

FRD. RD. DIVISION	STATE	PROJECT	
2	OHIO		

4

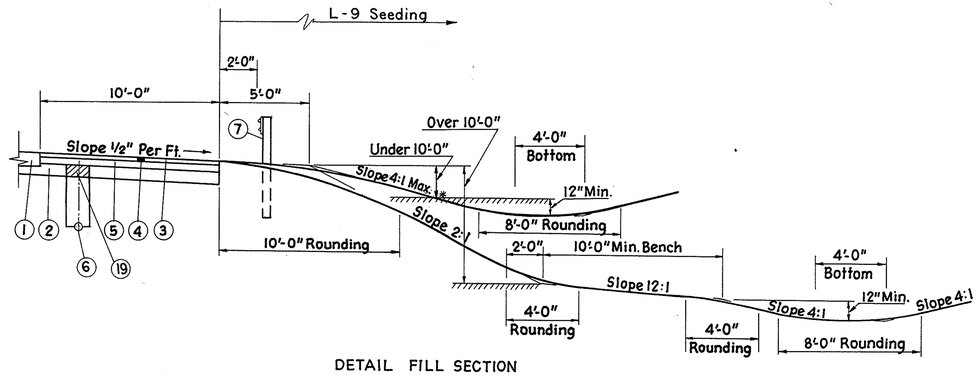
SUMMIT COUNTY
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LEGEND

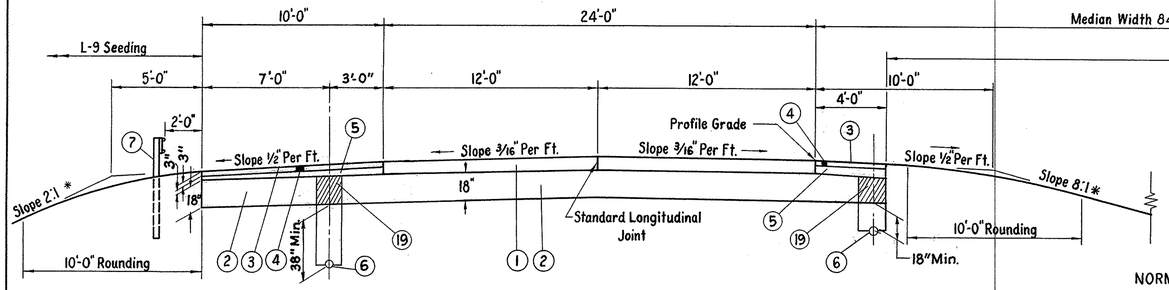
(1) T-71 9"Reinforced Portland Cement Concrete Pavement
(2) I-22 Subbase, A or B Grading, As per Plan
(3) T-31 Bituminous Surface Treatment Using 0.008 C.Y. No.6 Aggregate Per S.Y. & 0.25 Gal. Bituminous Material Per Sq. Yd. (See Proposal Note)
(4) B-21 3"Waterproofed Aggregate Base Course (Thickness shown is "Design" Thickness, As Per Sec. B-21.01) (T-35, Type A Material May Be Used in Construction of This Course. See Note in Proposal.)
(5) B-112 Porous Base Course
(6) I-1 6"Pipe, Class I-3
(7) I-15 Guard Rail Steel Beam Standard Type (Deep)
(9) T-35 1"Asphaltic Concrete Surface Course, Type C (70-85) (Thickness shown is "Design" Thickness, As Per Sec. T-35.01)
(10) B-35 1½"Asphaltic Concrete Leveling Course, (70-85) (Thickness shown is "Design" Thickness, As Per Sec. B-35.01)
(12) I-9 Stone Underdrains, No.2 (See General Notes Sheet No.7 for spacing of this item)
(17) B-19 Aggregate Base Course
(19) Remove subbase for width of Item I-1 trench and replace with either Class 3 backfill or with porous base material immediately prior to placing the Item B-112 Porous Base Course. Cost shall be included in price bid per lin.ft. for Item I-1.
(20) T-30 Bituminous Prime Coat Sec. M-5.7 RT-2 or RT-3 Applied at the rate of 0.40 Gal. Per Sq. Yd.

TYPICAL SECTIONS

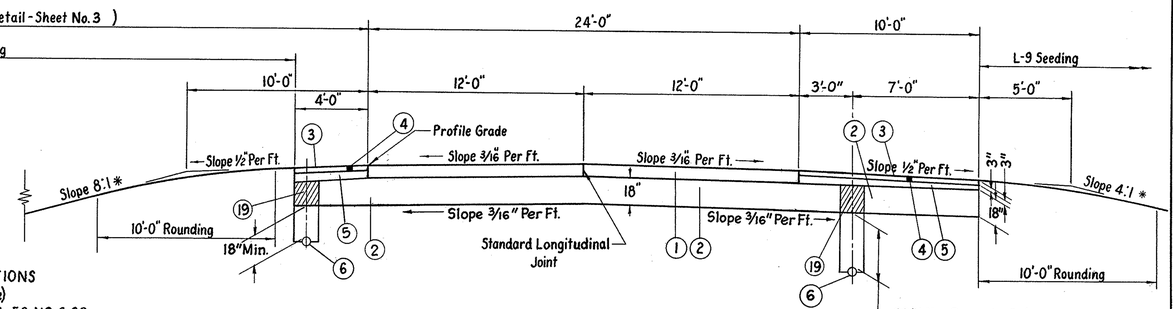
TYPE T-71 & TYPE T-35 ON B-19
Scale : 1/4"= 1'– 0"
CODE TYPE 7221

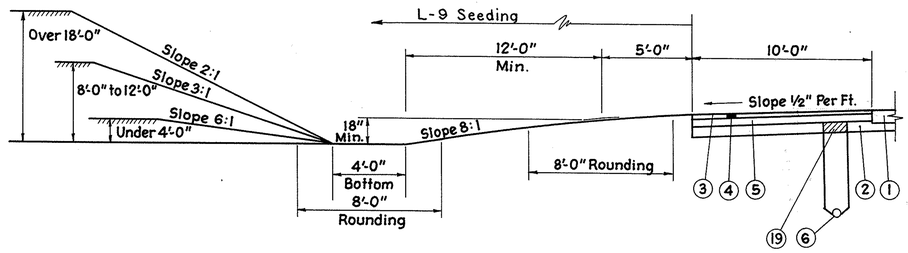


DETAIL FILL SECTION

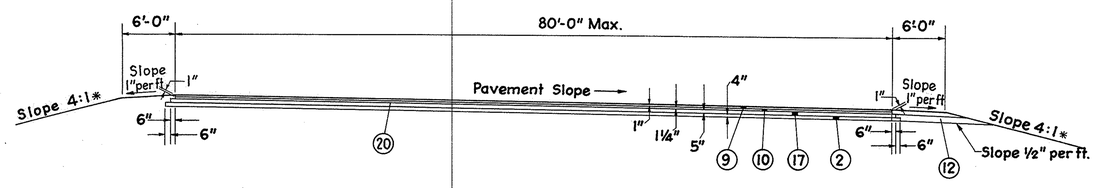


NORMAL SECTIONS
(18"Subbase)
Sta. 103+50 to Sta. 107+50 NB & SB
Sta. 258+50 to Sta. 270+50 NB
Sta. 264+00 to Sta. 273+00 SB
Sta. 277+00 to Sta. 279+00 SB





DETAIL CUT SECTION



CUL-DE-SAC AT ESSIG RD. & CHENOWETH RD.

* All Typicals or Otherwise Shown on Cross Sections

TYPICAL SECTIONS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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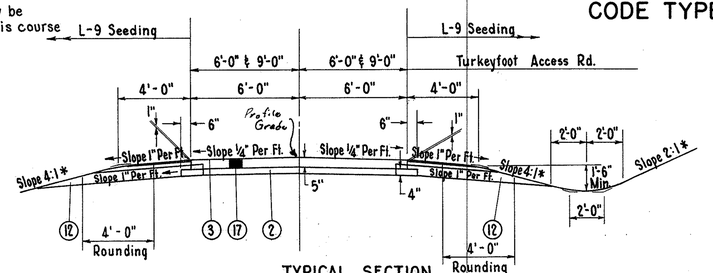
SUMMIT COUNTY
SUM-8-1.89

TYPICAL SECTIONS

Scale : 1/4" = 1'-0"
CODE TYPE 7221

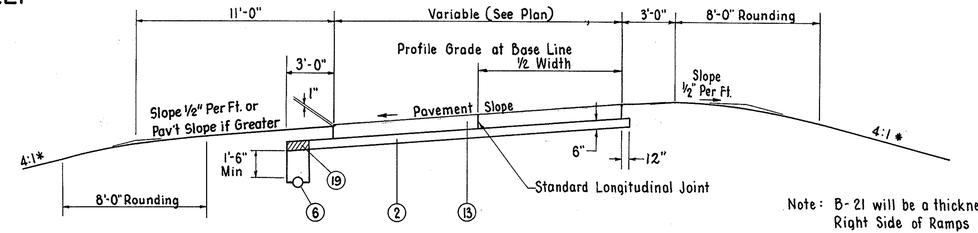
LEGEND

1. T-71 9" Reinforced Portland Cement Concrete Pavement
2. I-22 Subbase, A or B Grading, as Per Plan.
3. T-31 Bituminous Surface Treatment Using 0.008 C.Y. No.6 Aggregate Per Sq.Yd. & 0.25 Gal. Bituminous Material Per Sq.Yd.(See Proposal Note)
4. **B-21 Waterproofed Aggregate Base Course (T-35, Type A Material may be used in construction of this course See note in proposal.)
5. B-112 Porous Base Course
6. I-1 6" Pipe, Class I-3
7. I-15 Guard Rail Steel Beam Standard Type (Deep)
8. I-12 Concrete Curb Standard Type 6
9. T-35 Asphaltic Concrete Surface Course, Type C (70-85) (Thickness Shown is Design Thickness, As Per Sec. T-35.01)
10. B-35 1¼ Asphaltic Concrete Leveling Course, (70-85) (Thickness Shown is Design Thickness, As Per Sec. B-35.01)
11. I-18 6" Stabilized Crushed Aggregate Shoulders & Approaches (See note in proposal for additional Stabilization with calcium chloride in the upper three inches of this item.)
12. I-9 Stone Underdrains, No. 2 (See General Notes for spacing of this Item)
13. T-70 9" Portland Cement Concrete Pavement
17. B-19 Aggregate Base Course
19. Remove subbase for width of Item I-1 trench and replace with either Class 3 backfill or with porous base material immediately prior to placing the Item B-112 Porous Base Course. Cost shall be included in price bid per lin. ft. for Item I-1.
20. T-30 Bituminous Prime Coat Sec. M-5.7 RT-2 or RT-3 Applied at the rate of 0.40 Gal. Per Sq. Yd.



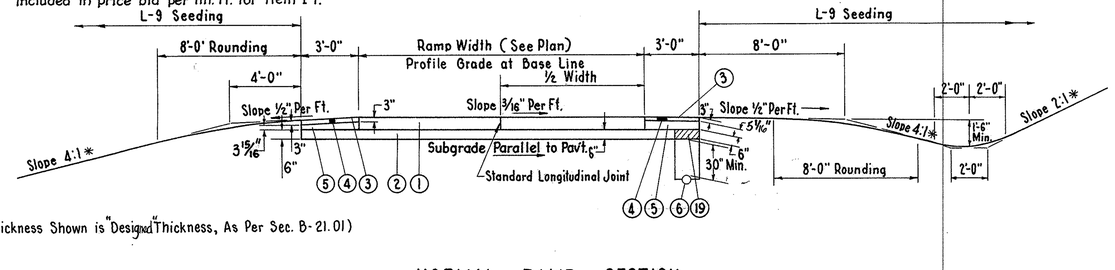
TYPICAL SECTION

Wise Reloc. Drive Rt. Sta. 0+65 to Sta.10+91 | WISE ACCESS ROAD "A" Sta.0+09 to Sta.10+65 | TURKEYFOOT LAKE ACCESS ROAD Sta.0+12 to Sta. 5+45



TEMPORARY CONNECTION SECTION
Sta.50+50 to Sta.53+52 Ramp A
Sta.61+50 to Sta.62+21 Ramp C

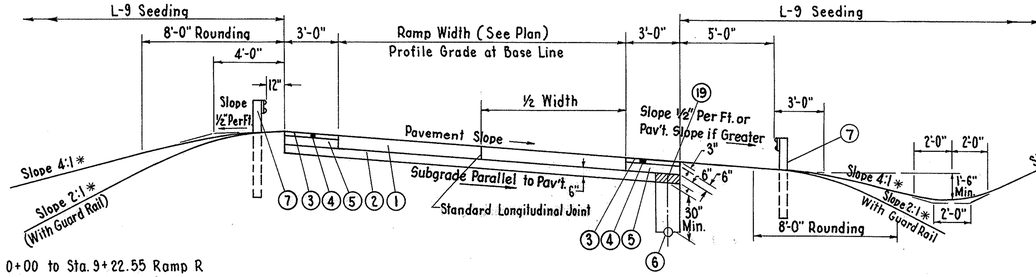
Note: B-21 will be a thickness of 6" on Right Side of Ramps & Speed Change Lanes Only & the B-112 will be reduced by 3" in thickness.



** Thickness Shown is "Design" Thickness, As Per Sec. B-21.01)

NORMAL RAMP SECTION

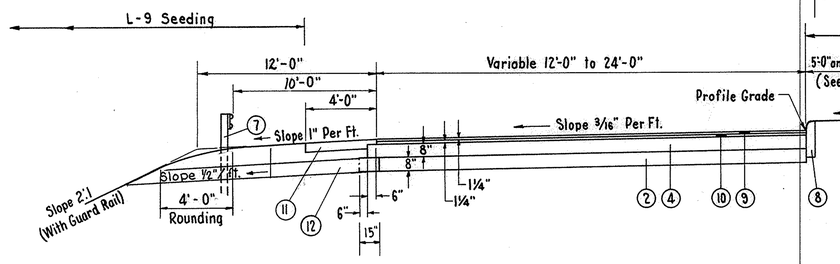
Sta.0+00 to Sta. 8+48.52 Ramp J
Sta. 7+40.60 to Sta.10+40.60 Ramp L
Sta. 39+00 to Sta.48+73.20 Ramp A
Sta.14+16.93 to Sta. 15+05 Ramp S
Sta.19+36.68 to Sta.22+36.68 Ramp S
Sta. 0+00 to Sta. 3+00 Ramp U
Sta. 9+36 to Sta. 9+62.53 Ramp U

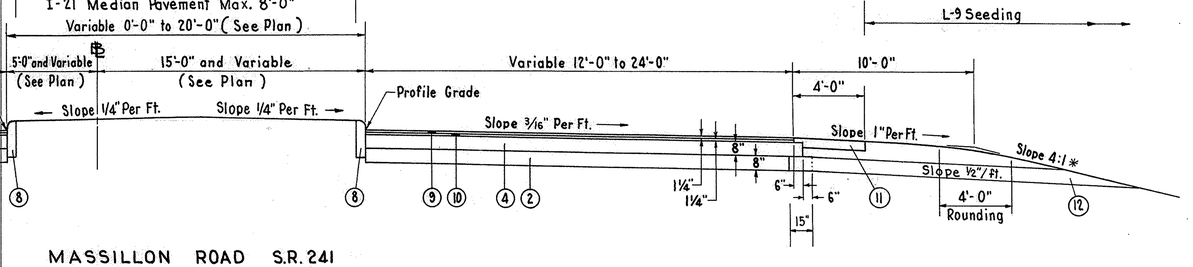


Sta. 0+00 to Sta. 9+22.55 Ramp R
Sta. 15+05 to Sta. 19+36.68 Ramp S
Sta. 14+57.71 to Sta. 19+25.83 Ramp T
Sta. 3+00 to Sta. 9+36 Ramp U

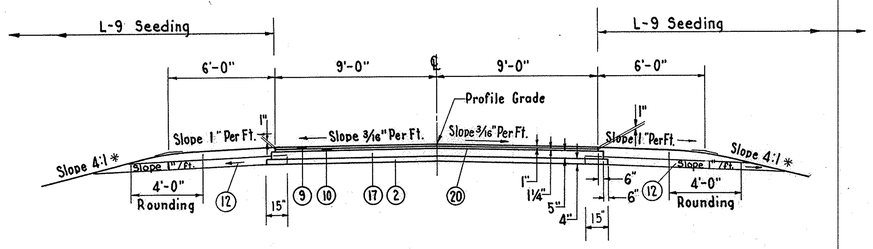
SUPERELEVATED RAMP SECTION

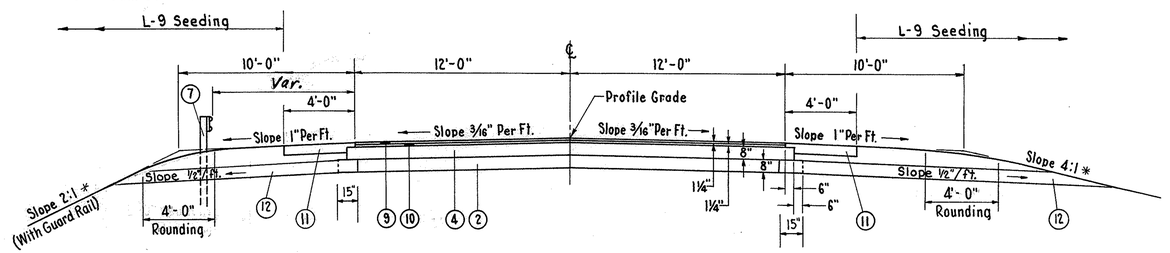
Sta. 8+48.52 to Sta. 10+60 Ramp J
Sta. 0+30.86 to Sta. 14+42.42 Ramp K
Sta. 0+30.86 to Sta. 7+40.60 Ramp L
Sta. 0+00 to Sta. 14+15.2 Ramp M
Sta.48+73.20 to Sta. 50+50 Ramp A
Sta. 42+25 to Sta. 53+88 Ramp C
Sta. 53+88 to Sta. 59+79 Ramp C
Sta. 59+79 to Sta.61+50 Ramp C
See Sheet No.6





MASSILLON ROAD S.R. 241
Sta. 7+50 to Sta. 31+01





WISE ROAD (C.H.250)
Sta.0+25 to Sta. 8+00.73
Sta. 8+00.73 to Sta.11+99.27 (Structure)
Sta.11+99.27 to Sta.17+00

GRAYBILL ROAD (T.R.248)
Sta. 1+50 to Sta. 8+31.75
Sta.8+31.75 to Sta.11+68.25 (Structure)
Sta.11+68.25 to Sta.17+50
Sta. 9+32.56 to Sta.22+94.60

TURKEYFOOT LAKE ROAD S.R.619
Sta. 3+50 to Sta. 7+76.83
Sta. 7+76.83 to Sta. 12+23.17 (Structure)
Sta. 12+23.17 to Sta. 15+00

* All Typicals or Otherwise Shown on Cross Sections 05 Chenoweth Access Road

TYPICAL SECTIONS

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TYPICAL SECTIONS

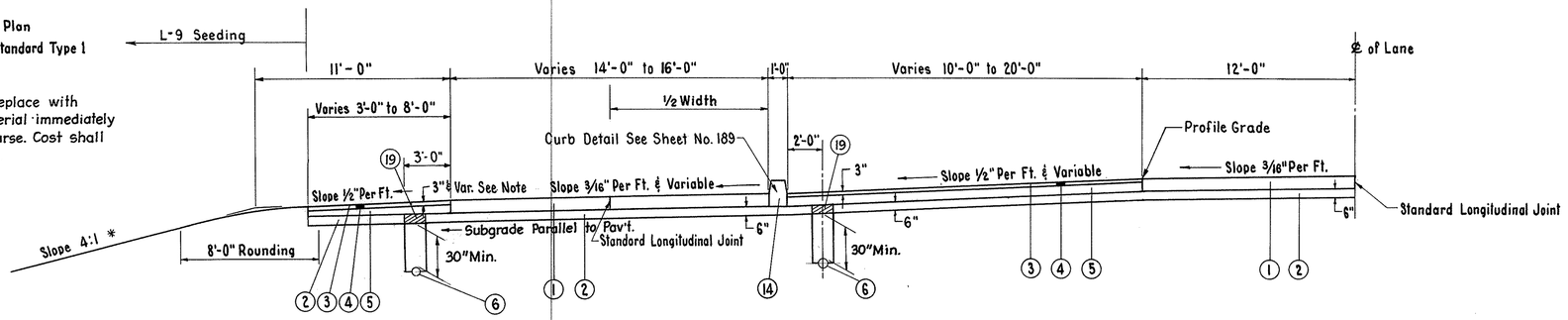
TYPE T-71

SCALE : 1/4"= 1'-0"

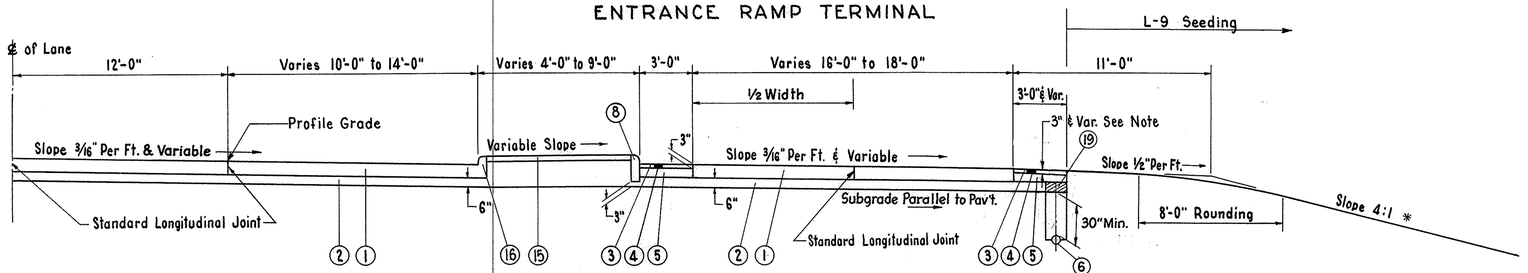
CODE TYPE 7221

LEGEND

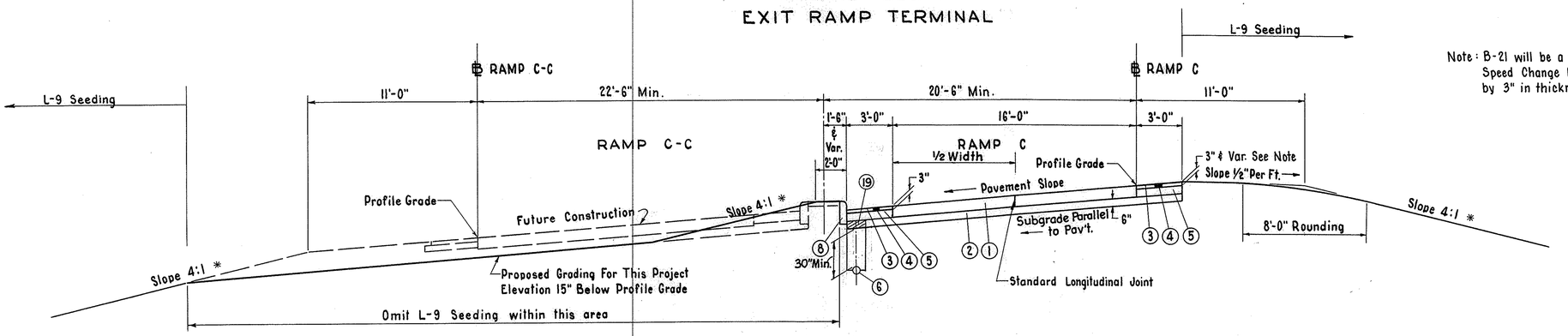
1. T-71 9" Reinforced Portland Cement Concrete Pavement.
2. I-22 Subbase, A or B Grading, As Per Plan
3. T-31 Bituminous Surface Treatment Using 0.008 C.Y. No. 6 Aggregate Per Sq.Yd. & 0.25 Gal. Bituminous Material Per Sq. Yd. (See Proposal Note)
4. B-21 Waterproofed Aggregate Base Course (Thickness Shown is Design Thickness, As Per Sec. B-21.01) — (T-35, Type A Material may be used in construction of this course, See note in proposal.)
5. B-112 Porous Base Course
6. I-1 6" Pipe, Class I-3
7. I-15 Guard Rail Steel Beam Standard Type (Deep)
8. I-12 Concrete Curb Standard Type 6
14. I-12 Special Portland Cement Concrete Curb, As Per Plan
15. I-21 4" Portland Cement Concrete Median Pavement Standard Type 1
16. I-12 Concrete Curb Standard Type 2-A
19. Remove subbase for width of item I-1 trench and replace with either Class 3 backfill or with porous base material immediately prior to placing the Item B-112 Porous Base Course. Cost shall be included in price bid per lin.ft. for Item I-1.



NORMAL SECTION ENTRANCE RAMP TERMINAL



NORMAL SECTION EXIT RAMP TERMINAL



Note: B-21 will be a thickness of 6" on Right Side of Ramps & Speed Change Lanes Only & the B-112 will be reduced by 3" in thickness.

SUPERELEVATION SECTION RAMP C & RAMP C-C

Sta. 53+88 to Sta. 59+79 Ramp C
Sta. 42+83.80 to Sta. 56+42.49 Ramp C-C

* All Typicals or Otherwise as Shown on Cross Sections

GENERAL NOTES

DESIGN SPEED

The geometrics for this project have been planned for a design speed of 70 miles per hour.

FIELD OFFICE

The Contractor shall, in accordance with Sec. S-0.01(b), provide, for the exclusive use of the State's employees, a suitable field office having a minimum of 500 Ft. of floor space. The Contractor shall have a telephone installed and maintained in this field office during the construction of this project. The Contractor shall also provide and install wiring and outlets suitable for connecting electric lights and office equipment in the field office and provide 110-volt alternating current to the office during the entire period of construction of this project. The Field Office shall be provided within ten (10) days after beginning of work.

PUBLIC UTILITIES AFFECTED

NAME	ADDRESS	CITY/STATE
The Ohio Edison Co.	47 N. Main St.	Akron, Ohio
The East Ohio Gas Co.	1020 N. Market St.	Canton, Ohio
The East Ohio Gas Co.	19 N. High St.	Akron, Ohio
The Ohio Bell Telephone Co.	401 Cleveland Ave, N.W.	Canton, Ohio
The Ohio Bell Telephone Co.	50 W. Bowery St.	Akron, Ohio

UTILITY ADJUSTMENT

Any or all work required for Public or Private Utilities will be done by and at the expense of their respective owners, unless otherwise noted on these plans. The Contractor's attention is specifically directed to the flags on Sheets No. 28, 33, 37, 38, 50, 54, 57, where existing utilities have to be rearranged. There may be other areas on the project where existing utilities will have to be rearranged or relocated and the Contractor shall exercise all precautions to prevent damage to all utilities. The Contractor shall co-operate with the Utility Companies by arranging his work in such a manner that needless conflict will be avoided.

UNDERGROUND UTILITIES

The locations of underground utilities shown on the plans have been obtained by diligent field checks and searches of available records. It is believed they are essentially correct, but the State of Ohio makes no guarantees as to their accuracy or completeness.

ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS

The rounded corners shown on Standard Drawing RI-1, as modified by the typical sections, apply to all cross sections, even though otherwise shown on these plans.

ITEM L-9 SEEDING

MAIN LINE

Quantities for seeding are calculated for the soil areas between the right-of-way fence lines, between the right-of-way lines in unfenced areas, and within the work limits for areas outside the right-of-way lines covered by work agreement or slope easement.

ITEM L-9 SEEDING CONTINUED

INTERSECTING ROADS

Quantities for seeding are calculated for the soil areas between lines ten (10) feet outside the work limits, as shown on the cross sections, or to the right-of-way line if such line is less than ten (10) feet from the work limits.

SEEDING FORMULA

The following seed mixture shall, in lieu of the mixtures listed in Section L-9.11, be used throughout the limits of of this project, except in Roadside Rest Areas. See General Notes, Sheet No. 265.

25% Kentucky Bluegrass (poa pratensis)
65% Kentucky 31 Fescue (festuca elatior var. ky 31)
5 % Red Top
5 % Alsike Clover

ITEM L-10 SODDING

Areas to be sodded shall be loosened to a depth of 2" just prior to laying the sod. This work shall be included for payment in the price bid per Sq. Yd. of sodding.

EROSION CONTROL AT BRIDGES

Sodded Channels shall be provided at end of bridges where required by the plans. Cost of all work necessary to complete this Item shall be included in the unit price bid per Sq. Yd. for item L-10, Sodding for Special Berm & Slope Protection. See Detail Sheet No. 189.

ITEM E-9 REMOVAL OF TREES AND STUMPS

All trees and stumps lying within the construction limits of this project shall be removed under lump sum bid for Item E-9, Removal of Trees and Stumps, except those trees and stumps designated by the Engineer to be preserved.

The following is an approximate estimate of the number of the trees and stumps to be removed. (Rest Area included.)

Sizes	No. Trees	Sizes	No. Trees
12"-18"	1466	30"-36"	25
18"-24"	1021	36"-42"	14
24"-30"	382	48"-60"	2

The above estimate is approximate and The State of Ohio reserves the right to order the removal of additional trees or stumps outside the limits of construction but within the right-of-way and/or easement lines. Payment for the removal of these additional trees or stumps shall be included in the lump sum price for Item E-9, Removal of Trees and Stumps.

FIELD DRAINS

All farm tiles which are encountered during construction shall be provided with unobstructed outlets under the direction of the Engineer. Existing collectors which are located below the roadway ditch elevations and which cross the roadway shall be replaced within the construction limits by Item I-1 pipe, Class A-1.

Existing collectors and isolated farm tiles which are encountered above the elevation of the roadway ditches shall be outletted into the roadway ditch. The optimum outlet elevation shall be, if possible, one foot above the flowline elevation of the ditch.

Lateral tile fields which cross the roadway shall be intercepted by Item I-1 Pipe, Class H-2, and be carried in a longitudinal direction to an adequate outlet or roadway crossing.

The location, type, size and grade of required replacements shall be determined by the Engineer during construction and payment shall be made on final measurements.

The following estimated quantities have been included in the general summary for the work noted above:

I-1	Class A-1	15" Pipe Sec. M-6.6(b) or M-6.8(b)	100	Lin. Ft.
I-1	Class A-1	18" Pipe Sec. M-6.6(b) or M-6.8(b)	100	Lin. Ft.
I-1	Class H-2	15" Pipe	100	Lin. Ft.
I-1	Class H-2	18" Pipe	100	Lin. Ft.
I-1	Class F-1	6" Pipe	400	Lin. Ft.
I-1	Class F-1	8" Pipe	400	Lin. Ft.
I-5	15" Pipe Specials, Class H-2		10	Each
I-5	18" Pipe Specials, Class H-2		10	Each
I-10	Dumped Rock Channel Protection		80	Cu. Yd.

SPRING DRAINS

The following estimated quantities have been included in the General Summary for use, as directed by the Engineer, in draining springs encountered during construction.

Item I-9, Stone Underdrains, No. 1, as per plan	15 Lin. Ft.
Item I-1, Class I-3 Pipe, Sec. M-6.4(h)(c) 6"	300 Lin. Ft.
Item I-1, Class I-3 Pipe, Sec. M-6.4(h)(c) 8"	100 Lin. Ft.
Item I-1, Class I-3 Pipe, Sec. M-6.4(f) 12"	100 Lin. Ft.

For details of proposed treatment of spring drainage, see Sheet No. 190.

SPECIAL DITCHES

For special ditch grades, see cross sections.

ITEM I-9 STONE UNDERDRAINS, NO. 2

Stone underdrains shall be placed at fifty (50) foot intervals on each side of normal crowned sections and at twenty-five (25) foot intervals on the low side only of superelevated sections, except where I-1 Pipe, Class I-3 has been provided.

An estimated quantity of 500 Lin. Ft. of Stone Underdrains, No. 2 has been included in the General Summary. Stone underdrains shall be placed where and as directed by the Engineer in areas of proposed non-rigid pavement construction.

DRAINAGE OF BASE MATERIAL

Where the base material is drained, by I-9 Stone Underdrains, to the fill slope or the ditch line, the Contractor shall finish, seed, and mulch the slopes so as not to impede drainage of the base material. The actual area of the outcrop of the I-9 Stone Underdrains shall not be seeded.

PLUGGING PIPE

The upstream ends of all pipe or tile lines intercepted by earthwork operations and, where indicated, the ends of pipe lines to be abandoned in place shall be effectively blocked and covered. Broken pieces and portions of pipe or tile shall be removed until a whole length is encountered which shall be blocked with concrete, flat stone or brick laid in mortar, or a precast clay or concrete stopper. Payment for the above work shall be included in the unit price bid for Item E-1, Roadway Excavation.

REMOVAL OF EXISTING PIPE

The removal of all existing pipe drains within the limits of proposed excavation items shall be included for payment in the unit price bid for the respective excavation items, unless otherwise itemized in the plans.

LOCATION AND SIZE OF PIPES

The location, type, depth and size of all existing pipes are shown as near exact as the available information will permit. The State will not be responsible for any variations found during construction.

EROSION CONTROL

Items I-10, I-14 and L-10 are provided in these plans for erosion control. Rock of a stable nature will not be removed in order to place any of these items. The Engineer shall check and non-perform quantities or adjust locations and quantities for these items where indicated by field conditions during construction.

(CONTINUED ON SHEET NO. 8)

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GENERAL NOTES

DRIVEWAYS AND MAIL BOX APPROACHES

For typical sections and details, of Driveways and Mail Box Approaches, see Standard Drawing DR-1 unless otherwise shown.

CONNECTIONS TO EXISTING PIPES

At places where the plans provide for proposed drainage and sanitary sewers to be connected to existing pipes, it shall be the responsibility of the Contractor to locate existing pipe both as to line and grade before he starts to lay the proposed pipe. The cost of this operation shall be included in the unit price bid for the pertinent Pipe Item.

MEDIAN PLANTING

The planting shown shall be repeated every 1200 feet at the stations indicated on the plan. (Sheet 193)

Topsoil for planting has been placed under another item.

L-13 items shall be placed in rows 2 feet left and 2 feet right of Survey ℄. Spacing shall be 4 feet center to center, staggered as indicated. L-14 items shall be placed 4 feet left or right of Survey ℄ with spacing as indicated.

Variations in planting will be made only as indicated on the plans.

Survey ℄ is shown as straight line for convenience. For curve data see Plan and Profile sheets.

L-14 staking and bracing will not be required.

L-13 AND L-14 MULCHING

Mulching material (ground corn cobs, wood chips or peat moss) shall be placed between and around the plants, within 24 hours after any planting, and shall be applied uniformly to cover the planting area to a depth of 3 inches loose measurement and shall extend 6 inches beyond the excavation for planting. Cost of mulching shall be included in the unit price bid for Items L-13 and L-14.

SPECIFICATIONS FOR GROUND CORN COBS

Ground corn cobs must pass through a 3/4 inch sieve.

SPECIFICATIONS FOR WOOD CHIPS

Wood chips shall be from brush chippers commonly used in tree work. Chips to be not longer than 6 inches and the maximum thickness not more than 1 inch.

NON-RIGID PAVEMENT REMOVAL

Removal and disposal of non-rigid pavement, unless otherwise indicated on these plans, shall be measured and paid for as Item E-1, Roadway Excavation.

MISCELLANEOUS PAVEMENT REMOVAL

Removal of all private drives, steps, sidewalks, and patios on this project shall be considered miscellaneous removals per Sec. E-1.03 (c) unless otherwise specified on these plans.

EXPANSION AND CONTRACTION JOINTS

Although specified locations of certain expansion and and contraction joints have been detailed on this plan, no waiver of the specifications is intended and the maximum distance between contraction joints and the location of expansion joints shall in all cases be in accordance with Standard Drawing T.J.

PROPERTY MARKERS

All iron pins or markers within the limits of the project shall be saved and adjusted to the new grade by the Contractor as directed by the Engineer. Cost of adjusting and resetting property markers shall be included in the price bid per cubic yard for Item E-1, Roadway Excavation.

CENTERLINE REFERENCE MONUMENTS

Monuments shall be constructed of Class "C" concrete poured in a circular hole eight (8) inches in diameter and forty-four (44) inches in depth. Top of concrete shall be finished at depth of (2) inches below ground level and the upper six (6) inch portion of the concrete shall be formed. A one half (1/2) inch brass rod (6) six inches long shall be imbedded in the wet concrete as directed by the Engineer to mark the centerline and station.

For location see table on Sheet No. 297.

DELINEATORS

Delineators have been estimated on this project at 200 foot intervals along the right side of each directional pavement in a line 12'-6" from the pavement edge. For Delineators in Interchanges See Sheet No. 191. Specific locations for delineators shall be determined by the Engineer at the time of construction.

ITEM 1-22 SUB-BASE, GRADING "A" OR "B" AS PER PLAN

The material furnished for this item shall meet the requirements of Grading "A" or "B" of Sec. 1-22.02 except that, for either grading, no more than seven (7) per cent of the material shall pass a No. 200 sieve at the time of incorporation into the work, and after all operations of placement and compaction have been completed, the material shall contain not more than 8 per cent passing the No. 200 sieve.

CONSTRUCTION LAYOUT STAKES

See note in proposal describing the work included in this Lump Sum pay item.

ESTIMATED QUANTITIES

Specific locations and usage of estimated quantities set up on this plan to be used "as directed by the Engineer" shall be made a matter of record by incorporation into the final change order governing completion of this project.

GUARD RAIL FLARES

Where proposed guard rail flares are constructed of rail elements which have not been fabricated exactly to fit curvature shown on the plans, the two end post of each flared section shall be encased in a minimum 4-inch thickness of Class "E" concrete for the full depth of the post below the ground line. Payment for encasement, if required, shall be included in the unit price bid for the guard rail.

STOCKPILING TOPSOIL

The material to be stockpiled for placement as Item L-3 for raised median on this project shall be obtained under Item L-1 within the limits of Right-of-Way.

This item shall be in addition to the normal requirements of Item E-1.03 (a).

ITEM L-3 PLACING STOCKPILED TOPSOIL, AS PER PLAN

The method of measurement for this item shall be in cubic yards compacted in place in lieu of square yards for topsoil for this project.

Furnishing and placing commercial fertilizer is included in Item L-9 in lieu of Item L-3 for the area in the raised median on this project.

All other requirements shall be set forth in the Construction and Material Specifications.

WISE ACCESS ROAD "A"

Wise Access Road "A" has been deleted from this Project. All quantities referenced do not apply.

CLASS I-3 PIPE, AS PER PLAN

The Class I-3 pipe for spring drainage shall be covered with Class 3 porous backfill material to a height of 2'-6" above the top of the pipe. The remainder of the backfill for this item shall meet the specification requirements for Class 2 backfill.

AGRICULTURAL LIMING MATERIALS

The location and need for agricultural liming materials will be determined by laboratory test after rough grading operations have been performed. Quantities of agricultural liming materials as shown on the plans are sufficient for the entire project, but will be non-performed for the areas where test show that the liming material is not needed. Where used, this material shall be applied at the rate of 100 lbs. per 1000 sq. ft.

SEQUENCE OF CONSTRUCTION OPERATIONS

Subgrade shall be constructed full width of pavement and paved shoulders.

Underdrains shall be installed and backfilled to subgrade elevation, immediately prior to construction of the subbase, except that, where subsurface conditions are such that improvement of an unstable subgrade can be accomplished through the drying action of deep underdrains, the project engineer may authorize or require the contractor to delay the construction of the subbase as necessary.

The subbase shall be constructed full width of pavement and paved shoulders in one operation.

Pavement shall be constructed.

After the surface of the subbase in the shoulder area is in place and compacted as specified, and immediately prior to placing the porous base course, the material locked above and within the underdrain trench shall be removed to the depth necessary to expose clean Class 3 backfill. The trench so excavated shall be backfilled with new Class 3 backfill material, or if the contractor so elects, he may substitute material meeting the requirements of Item B-112, Porous Base Course.

Porous base course shall be constructed and construction of the waterproofed aggregate course shall follow immediately.

ITEM S.S. CE-101.04

An estimated quantity for this item has been included in the General Summary, for use as directed by the Engineer, for proof rolling of all subgrade, except for areas where rock or shale is encountered.

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GENERAL NOTES
TRAFFIC

1. Minimum provisions for the maintenance of traffic on public roads affected by this improvement shall be as follows:

   (a) Wise Road C.H. 250: Shall be closed to traffic, during the construction of the bridge and approaches.

   (b) Graybill Road T.R. 248: Shall be closed to traffic, during the construction of the bridge and approaches.

   (c) Massillon Road S.R. 241: Two-way traffic shall be maintained at all times by the construction of two lanes at a time and temporary roadways on the berm.

   (d) Turkeyfoot Lake Road S.R. 619: Shall be closed to traffic, during the construction of the bridge and approaches. A detour, as shown on Sheet 1, will be provided during the closure of S.R. 619 to through traffic.

   (e) Arlington Street C.H. 15: Two-way traffic shall be maintained at all times.

2. In order that disruption of traffic may be held to a minimum not more than one road shall be closed to traffic at any one time, unless otherwise approved in writing by the Director.

3. During construction of proposed bridges over Massillon Road S.R. 241 the Contractor shall safeguard the traveling public by providing platforms, nets, or other suitable protection above the traveled lanes. Minimum horizontal clearances of 28 feet and minimum vertical clearances of 14 feet shall be maintained at all times during overhead bridge construction at these locations.

4. Traffic Compacted Surface Course, Item T-10 and Calcium Chloride Item M-10, shall be applied on temporary roadways as directed and in the amounts requested by the Engineer.
   The limits and duration of use of temporary roadways shall be held to an absolute minimum, and in all cases shall be subject to the approval of the Engineer.

5. Payment for overhead protection described above and for construction, maintenance, and subsequent removal, wherever required, of temporary roadways, except for furnishing and placing of Items T-10 and M-10, shall be included in the lump sum price bid for "Maintaining Traffic."

6. Local traffic shall be maintained at all times in accordance with the provisions of Section G-4.05.

7. The Contractor shall, in addition to the general requirements of Section G-7.07, on this project perform the following:

   (a) Provide, erect, and maintain movable gates on intersecting roads closed to traffic at all points where local traffic movement terminates.

   (b) Provide, erect, and maintain lights, signs, and barricades at the work limits on all intersecting roads which remain open to traffic.

   (c) Provide, erect, and maintain standard 40"x24" size "Road Closed" signs, sign supports and lights at the following locations during periods in which the affected roads are closed to traffic.

      1. Wise Road C.H. 250, just east of the Massillon Road Intersection.
      2. Wise Road C.H. 250, just west of the Mayfair Road Intersection.
      3. Graybill Road T.R. 248, just east of the Massillon Road Intersection.
      4. Graybill Road T.R. 248, just west of the Mayfair Road Intersection.
      5. Turkeyfoot Lake Road S.R. 619, just east of the Arlington St. Intersection.
      6. Turkeyfoot Lake Road S.R. 619, just west of the Massillon Road Intersection.

   Lights, barricades, and danger and warning signs shall be provided at locations shown above in accordance with Section G-7.07.

   Barricades and gates shall be as detailed on Standard Construction Drawing No. G-7.07.

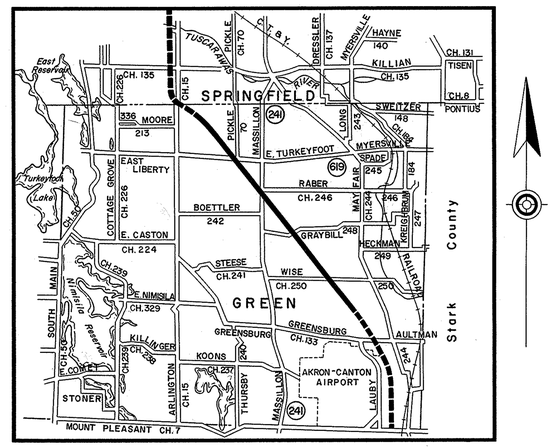
   Sign supports and lights for "Road Closed" signs shall be as detailed in the "Ohio Manual of Uniform Traffic Control Devices."

   Payment for providing, erecting, maintaining, and removing barricades, gates, lights, signs, and sign supports shall be included in the lump sum price bid for "Maintaining Traffic."

ESTIMATED QUANTITIES
(To General Summary)

Item T-10, 2000 C.Y. Traffic Compacted Surface Course for maintaining traffic.

Item M-10, 40 Tons Calcium Chloride Furnished and Applied for maintaining traffic.



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Deduction for Wise Ave. Access Road A. See Sheet 8.

| ITEM | | Gen'l Notes | TYPE CODE 7221 | | |

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GENERAL SUMMARY

ITEM	TYPE CODE 7221										GRAND TOTAL			DESCRIPTION
	7	17	31	36	41	45	52	62	71	20	ITEM	QUANT.	UNIT	
														DRAINAGE
E-3		568									E-3	568	Cu. Yds	Channel Excavation
E-12			35				242	100	121		E-12	498	Lin. Ft.	Pipe Removed 15" and Under
E-12					20			44			E-12	64	Lin. Ft.	Pipe Removed over 15"
I-1							38				I-1	38	Lin. Ft	15" Pipe Sec. M-6.6(b) or M-6.8(b) Class B-1
I-1			158	328		254		242	250		I-1	1232	Lin. Ft.	15" Pipe Sec. M-6.6(a) or M-6.8(b) Class A-1
I-1			76	108	116		166	152	72		I-1	690	Lin. Ft.	18" Pipe Sec. M-6.6(a) or M-6.8(b) Class A-1
I-1				100	150		84	164			I-1	498	Lin. Ft.	24" Pipe Sec. M-6.6(a) or M-6.8(b) Class A-1
I-1								880			I-1	880	Lin. Ft.	36" Pipe Sec. M-6.6(a) or M-6.8(b) Class A-1
I-1	100							118			I-1	218	Lin. Ft.	15" Pipe Sec. M-6.6(b) or M-6.8(b) Class A-1
I-1	100				94			80			I-1	274	Lin. Ft.	18" Pipe Sec. M-6.6(b) or M-6.8(b) Class A-1
I-1								326			I-1	326	Lin. Ft.	24" Pipe Sec. M-6.6(b) or M-6.8(b) Class A-1
I-1			92						110		I-1	202	Lin. Ft.	30" Pipe Sec. M-6.6(b) or M-6.8(b) Class A-1
I-1									264		I-1	264	Lin. Ft.	36" Pipe Sec. M-6.6(b) or M-6.8(b) Class A-1
I-1						116					I-1	116	Lin. Ft.	18" Pipe Sec. M-6.6(c) Class A-1
I-1									118		I-1	118	Lin. Ft.	36" Pipe Sec. M-6.6(c) Class A-1
I-1									114		I-1	114	Lin. Ft.	30" Pipe Sec. M-6.6(c) Class A-1
I-1									280		I-1	280	Lin. Ft.	42" Pipe Sec. M-6.6(d) Class A-1
I-1								246			I-1	246	Lin. Ft.	48" Pipe Sec. M-6.6(b) or M-6.4(d) Class A-1
I-1				206							I-1	206	Lin. Ft.	84" Pipe Sec. M-6.6(b) or M-6.4(g) 10-10 Gage Class A-1
I-1				370							I-1	370	Lin. Ft.	42" Pipe Class A-1
I-1										216	I-1	216	Lin. Ft.	8" Pipe M-6.6(b) or M-6.8(b) Class A-1
I-1				302							I-1	302	Lin. Ft.	12" Pipe Class B-1
I-1	100		42	236			104				I-1	482	Lin. Ft.	15" Pipe Class B-1
I-1	100						524				I-1	624	Lin. Ft.	18" Pipe Class B-1
I-1				78							I-1	78	Lin. Ft.	24" Pipe Sec. M-6.6(b) or M-6.8(b) Class B-1
I-1								280			I-1	280	Lin. Ft.	12" Pipe Class C-1
I-1			1690	376	764	38		224	238		I-1	3330	Lin. Ft.	15" Pipe Class E-1
I-1								572			I-1	572	Lin. Ft.	18" Pipe Class E-1
I-1					102		268	1788			I-1	2158	Lin. Ft.	24" Pipe Class E-1
I-1							314				I-1	314	Lin. Ft.	30" Pipe Class E-1
I-1								54			I-1	54	Lin. Ft.	15" Pipe Sec. M-6.6(a) or M-6.8(a) Class E-1
I-1							620				I-1	620	Lin. Ft.	30" Pipe Sec. M-6.6(a) or M-6.8(a) Class E-1
I-1			140					38	38		I-1	216	Lin. Ft.	15" Pipe Sec. M-6.6(b) or M-6.8(b) Class E-1
I-1								38			I-1	38	Lin. Ft.	18" Pipe Sec. M-6.6(b) or M-6.8(b) Class E-1
I-1			404					38			I-1	442	Lin. Ft.	24" Pipe Sec. M-6.6(b) or M-6.8(b) Class E-1
I-1					92		34	48	54		I-1	228	Lin. Ft.	12" Pipe Class F-1
I-1					22	36	34	40	38		I-1	170	Lin Ft.	15" Pipe Class F-1
I-1								98			I-1	98	Lin. Ft.	24" Pipe Class F-1
I-1				760							I-1	760	Lin. Ft.	76"x 48" Pipe Sec. M-6.7(b) Class G-1
I-1					180						I-1	180	Lin. Ft.	106"x 68" Pipe Sec. M-6.7(a) Class G-1
I-1	100										I-1	100	Lin. Ft.	15" Pipe Class H-2
I-1	100										I-1	100	Lin. Ft.	18" Pipe Class H-2
I-1	300					360		190	110		I-1	960	Lin. Ft.	6" Pipe Sec. M-6.4(h)(c) Class I-3, As Per Plan
I-1	100										I-1	100	Lin. Ft.	8" Pipe Sec. M-6.4(h)(c) Class I-3, As Per Plan
I-1	100										I-1	100	Lin. Ft.	12" Pipe Sec. M-6.4(f) Class I-3, As Per Plan
I-2			0.77	114.28	54.13	1.38	3.16	30.54	38.04		I-2	242.3	Cu. Yds.	Masonry
I-5	10										I-5	10	Each	15" Pipe Specials Class H-2
I-5	10										I-5	10	Each	18" Pipe Specials Class H-2
I-5				1							I-5	1	Each	42" Pipe Special Class A-1

GENERAL SUMMARY

ITEM	TYPE CODE 7221									GRAND TOTAL			DESCRIPTION
	7	31	36	41	45	52	62	71	20	ITEM	QUANT.	UNIT	
													DRAINAGE (Continued)
I - 1									111,032	I - 1	111,032	Lin. Ft.	6" Pipe, Class I-3, As Per Plan
I - 1	400								820	I - 1	1220	Lin. Ft.	6" Pipe, Class F-1
I - 1	400								635	I - 1	1035	Lin. Ft.	8" Pipe, Class F-1
I - 5									133	I - 5	133	Each	6" Pipe Specials, Class I-3
I - 5									8	I - 5	8	Each	8" Pipe Specials, Class A-1 Sec. M-6.6(b) or M-6.8(b)
I - 5					2			2		I - 5	4	Each	15" Pipe Specials, Class F-1
I - 5							2			I - 5	2	Each	24" Pipe Specials, Class F-1
I - 8		1				5	3			I - 8	9	Each	Catch Basins, Standard No. 2-2-A, Modified As Per Plan
I - 8						5				I - 8	5	Each	Catch Basins, Standard No. 2-3, Modified As Per Plan
I - 8			1							I - 8	1	Each	Catch Basins, Standard No. 3
I - 8			5							I - 8	5	Each	Catch Basins, Standard No. 3-A
I - 8		3	2				4			I - 8	9	Each	Catch Basins, Standard No. 5
I - 8			2		2	2				I - 8	6	Each	Catch Basins, Standard No. 6
I - 8		14	11	8	3	2	20	7		I - 8	65	Each	Catch Basins Standard No. 8
I - 8		1					3			I - 8	4	Each	Standard No. 1 Manholes
I - 9	15				3		6	6		I - 9	30	Lin. Ft.	Stone Underdrains No. 1, As Per Plan
I - 9	500									I - 9	500	Lin. Ft.	Stone Underdrains No. 2
I - 10	80	41.0	209	53.0	4.0	4.0	84.0	17		I - 10	492	Cu. Yds.	Dumped Rock Channel Protection
I - 10				36	11.0					I - 10	47	Sq. Yds.	Riprap, Using 6" Reinforced Conc. Slab, As Per Plan
I - 14								40		I - 14	40	Lin. Ft.	Paved Gutter, Standard Type 1 (4' Bottom) Modified As Per Plan
S - 24							Lump			S - 24	Lump	Lump	Removal of Existing Structure

GENERAL SUMMARY

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ITEM	TYPE CODE 7221													GRAND TOTAL			DESCRIPTION
	15	16	17	28	29	38	39	50	51	57	58	269	Deduct For Wise Access Road A, See Sheet 8	ITEM	QUANT.	UNIT	
																	PAVEMENT
B-19	1894												-199	B-19	1,695	Cu. Yds.	Aggregate Base Course
B-21		10,752										838		B-21	11,590	Cu. Yds.	Waterproofed Aggregate Base Course, As Per Plan
B-35	838													B-35	838	Cu. Yds.	Asphaltic Concrete Leveling Course (70-85)
B-112		10,703										419		B-112	11,122	Cu. Yds.	Porous Base Course
I-7	743													I-7	743	Sq. Yds.	Reinforced Concrete Approach Slabs (T=13")
I-12		312										208		I-12	520	Lin. Ft.	Concrete Curb, Standard Type 2-A
I-12		2958										972		I-12	3,930	Lin. Ft.	Concrete Curb, Standard Type 6, As Per Plan
I-12		1500										1185		I-12	2,685	Lin. Ft.	Special Portland Cement Concrete Curb, As Per Plan
I-12		432										3061		I-12	3,493	Lin. Ft.	Special Portland Cement Concrete Curb, Modified, As Per Plan
I-21	105											480		I-21	585	Sq. Yds.	4" Std. Type1 Portland Cement Concrete Median Pavement
I-22		49,193										4182	-171	I-22	53,204	Cu. Yds.	Subbase, A or B Grading, As Per Plan
I-23	178													I-23	178	Each	Precast White Portland Cement Concrete Traffic Dividers
T-30			3896											T-30	3,896	Gals.	Bituminous Prime Coat Sec. M-5.7 RT-2 or RT-3
T-31		20,785										1343	-358	T-31	21,770	Gals.	Bituminous Surface Treatment, Bituminous Material, As Per Plan
T-31		666										43	-11	T-31	698	Cu. Yds.	Bituminous Surface Treatment, No. 6 Aggregate
T-35	773			11	9	15	17	88	48	43	6			T-35	1,010	Cu. Yds.	Asphaltic Concrete Surface Course, Type "C" (70-85)
T-70										128				T-70	128	Sq. Yds.	7" Portland Cement Concrete Pavement
T-70	821													T-70	821	Sq. Yds.	9" Portland Cement Concrete Pavement
T-71	157,429											18,880		T-71	176,309	Sq. Yds.	9" Reinforced Portland Cement Concrete Pavement
																	Building Removal (See Sheet No. 14 For Estimated Quantities)
Type Code 7221 Lump / 100% State Lump															Lump	Lump	Construction Layout Stakes
See Sheet No. 223 For Estimated Quantities																	Lighting Items
																	QUANTITIES FOR STRUCTURES OVER 20' SPAN
See Sheet No. 231 For Estimated Quantities																	SUM. 8-0285 Under Wise Road
See Sheet No. 239 For Estimated Quantities																	SUM. 8-0379 Under Graybill Road
See Sheet No. 245 For Estimated Quantities																	SUM. 8-0456 LR Over Massillon Road
See Sheet No. 254 For Estimated Quantities																	SUM. 8-0554 Under Turkeyfoot Lake Road

GENERAL SUMMARY (BUILDING REMOVALS)
TYPE CODE 7221

ITEM	QUANTITY	UNIT	PARCEL NO.	DESCRIPTION
E-10	1	Each	104, 104-LA, 104-X	Fr. Outhouse
E-10	1	Each	120, 120-LA	1-Sty. Fr. Sales Office & Garage
E-10	1	Each	121, 121LA	1-Sty. Fr. Dwg.
E-10	1	Each	125	Fr. Sales Office
E-10	Lump	Lump	127LA	1-Sty. Br. Dwg. with attached Garage
E-10	Lump	Lump	153 LA	Combined Trailer & Fr. Dwg., Cinder Blk. Foundation, Fr. Shed, Well House
E-10	1	Each	154 LA	1-Sty. Fr. Dwg.
E-10	1	Each	168, 168 LA	Fr. Storage Shed
E-10	Lump	Lump	169, 169 LA	1-1/2 Sty. Fr. and Blk. Dwg., Fr. Shed
E-10	1	Each	174, 174 LA, 174-T	2-Sty. Shingle Dwg.
E-10	Lump	Lump	175 LA	1-Sty. Fr. Dwg., Fr. Shed, Garage
E-10	Lump	Lump	176 LA	1-1/2 Sty. Fr. Dwg., Fr. Barn

ITEM	QUANTITY	UNIT	PARCEL NO.	DESCRIPTION
E-10	Lump	Lump	184, 184LA	Chicken House, Cinder Blk. Gar., Fr. Shed, 2-Story Fr. Dwg.
E-10	1	Each	193-LA 193-X	Frame Barn
E-10	1	Each	202LA	1-Sty. Blk. & Fr. Dwg.
E-10	1	Each	204-LA	Shed
E-10	1	Each	205, 205-LA	Fr. Fruit Stand
E-10	2	Each	206, 206LA	Sheds, Frame
E-10	2	Each	207, 207LA	Fr. Sheds
E-10	Lump	Lump	208LA	Fr. Dwg., Fr. Garage, Frame Shed
E-10	Lump	Lump	209LA	1-Sty. Fr. Dwg., Two Fr. Sheds, Privy
E-10	Lump	Lump	211, 211-LA	1-Sty. Fr. Dwg., Fr. Shed, Privy, Cinder Blk. Barn Foundation, Chicken House
E-10	Lump	Lump	212-LA	1-Sty. Fr. Dwg, Fr. Shed, Fr. Garage & Shed
E-10	Lump	Lump	213-LA	1-Sty. Fr. Dwg., Fr. Gar. & Shed
E-10	Lump	Lump	214-LA	1-Sty. Fr. Dwg., Fr. Gar., Small Stucco Business Bldg, Privy, Frame Shed
E-10	Lump	Lump	215-LA	1½-Story Fr. Dwg., Fr. Garage
E-10	1	Each	217-LA	1-Sty. Fr. Dwg.
E-10	1	Each	225	2-Sty. Fr. & Stone Dwg.

CALCULATIONS

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ITEM T-71 9" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT

Station to Station	Length	Av. Width	Sq. Yards	Remarks
MAINLINE				
100+00.00 - 221+10.81 BK.	12,110.81	48.0	64,590.99	N.B. & S.B.
221+11.75 AH - 239+48.66	1,836.91	48.0	9,796.85	N.B. & S.B.
242+31.08 - 316+00.00 BK.	7,368.92	48.0	39,300.91	N.B. & S.B.
317+00.00 AH - 354+88.00	3,788.00	24.0	10,101.00	N.B.
317+00.00 AH - 354+00.00	3,700.00	24.0	9,866.67	S.B.
215+99.06 - 228+00.00	1,200.00	12.5	1,666.67	Acc. Lane Lt.
222+67.00 - 223+67.00	100.00	6.0	66.67	Dec. Lane Rt.
223+67.00 - 230+00.00	633.00	12.0	844.00	Dec. Lane Rt.
253+00.00 - 259+34.00	634.00	12.0	845.33	Dec. Lane Lt.
259+34.00 - 260+34.00	100.00	6.0	66.67	Dec. Lane Lt.
254+10.00 - 266+10.00	1,200.00	12.5	1,666.67	Acc. Lane Rt.
327+00.00 - 339+00.00	1,200.00	12.5	1,666.67	Acc. Lane Lt.
335+14.00 - 336+14.00	100.00	6.0	66.67	Dec. Lane Rt.
336+14.00 - 342+25.00	611.00	12.0	814.67	Dec. Lane Rt.
TOTAL MAINLINE			141,360.44	
RAMP "J"				
0+00.00 - 3+00.00	300.00	15.0	500.00	
3+00.00 - 4+83.33	183.33	17.0	346.29	
4+83.33 - 9+89.03	505.70	16.0	899.02	
9+89.03 - 10+60.00 (Planimeter 6.09" x 400)			270.67	
TOTAL RAMP "J"			2,015.98	
RAMP "K"				
0+31.00 - 0+66.16 (Planimeter 2.91" x 400)			129.33	
0+66.16 - 2+43.44	177.28	24.0	472.75	
2+43.44 - 3+63.44	120.00	20.0	266.67	
3+63.44 - 8+96.00	532.56	16.0	946.77	
8+96.00 - 14+42.42 (Planimeter 4.92" x 2500			1,366.67	(Includes 100'@ NL)
TOTAL RAMP "K"			3,182.19	
RAMP "L"				
0+31.00 - 1+02.00 (Planimeter 6.15" x 400)			273.33	
1+02.00 - 6+40.90	538.90	16.0	958.04	
6+40.90 - 7+40.60	99.70	17.0	188.32	
7+40.60 - 10+40.60	300.00	15.0	500.00	
TOTAL RAMP "L"			1,919.69	
RAMP "M"				
0+00.00 - 5+46.00 (Planimeter 5.19" x 2500)			1,441.67	(Includes 100'@ NL)
5+46.00 - 13+72.00	826.00	16.0	1,468.44	
13+72.00 - 14+15.00 (Planimeter 2.46" x 400)			109.33	
TOTAL RAMP "M"			3,019.44	
RAMP "A"				
39+00.00 - 42+00.00	300.00	15.0	500.00	
42+00.00 - 45+48.00	348.00	17.0	657.33	
45+48.00 - 50+50.00	502.00	16.0	892.44	
TOTAL RAMP "A"			2,049.77	
RAMP "C"				
42+25.00 - 48+13.69 (Planimeter 5.42" x 2500)			1,505.56	(Includes 100'@ NL)
48+13.69 - 61+50.00	1,336.31	16.0	2,375.66	
TOTAL RAMP "C"			3,881.22	
TOTAL ITEM T-71			157,428.73	

USE 157,429 Sq. Yds.

ITEM T-70 9" PORTLAND CEMENT CONCRETE PAVEMENT

Station to Station	Length	Av. Width	Sq. Yards	Remarks
RAMP "A"				
50+00.00 - 52+90.00	240.00	16.0	426.67	
52+90.00 - 53+52.00 (Planimeter 4.96" x 400)			220.44	
TOTAL RAMP "A"			647.11	
RAMP "C"				
61+50.00 - 61+84.00	34.00	16.0	60.44	
61+84.00 - 62+21.00 (Planimeter 2.55" x 400)			113.33	
TOTAL RAMP "C"			173.77	
TOTAL ITEM T-70			820.88	

USE 821 Sq. Yds.

ITEM I-7 REINFORCED CONCRETE APPROACH SLABS (T=13")

Station to Station	Length	Av. Width	Sq. Yards	Remarks
MAINLINE				
239+48.66 - 239+73.66	25.00	48.0	133.33	
242+06.08 - 242+31.08	25.00	48.0	133.33	
WISE ROAD				
8+00.73 - 8+25.73 (Planimeter 1.65" x 400)			73.33	
11+74.27 - 11+99.27 (Planimeter 1.65" x 400)			73.33	
GRAYBILL ROAD				
8+31.73 - 8+56.73 (Planimeter 1.65" x 400)			73.33	
11+43.27 - 11+68.27 (Planimeter 1.65" x 400)			73.33	
TURKEYFOOT LAKE ROAD				
7+76.83 - 8+01.83 (Planimeter 2.05" x 400)			91.11	
11+98.17 - 12+23.17 (Planimeter 2.05" x 400)			91.11	
TOTAL ITEM I-7			742.20	

USE 743 Sq. Yds.

ITEM T-35 ASPHALTIC CONCRETE SURFACE COURSE, TYPE C (70-85)

Station to Station	Length	Av. Width	Depth	C.Y.
WISE ROAD				
0+25.00 - 8+00.73	775.73	18.0	0.083	42.9
11+99.27 - 17+00.00	500.73	18.0	0.083	27.7
GRAYBILL ROAD				
1+50.00 - 8+31.73	681.73	18.0	0.083	37.7
11+68.27 - 17+50.00	581.73	18.0	0.083	32.2
MASSILLON ROAD				
7+50.00 - 13+50.00	600.00	46.0		
13+50.00 - 25+01.00	1,151.00	68.0		— 133,468 S.F
25+01.00 - 31+01.00	600.00	46.0		
Deduct Islands (Planimeter 6.50" x 2500 = 16,250 S.F.)				
133,468 S.F - 16,250 S.F = 117,218 x 0.104 = 451.5				
TURKEYFOOT LAKE ROAD				
3+50.00 - 7+76.83	426.83	24.0	0.104	39.5
12+23.17 - 15+00.00	276.83	24.0	0.104	25.6
CHENOWETH ACCESS ROAD				
9+32.56 - 22+94.60	1,362.04	18.0	0.083	75.4
2 Spandrels 0.215 x 25² x 2			0.083	0.8
CUL-DE-SAC~ At Chenoweth Rd. (Includes Drive)				
(By Planimeter 16.30" x 400)			0.083	20.0
CUL-DE-SAC~ At Essig Drive (Includes Drive)				
(By Planimeter 16.00" x 400)			0.83	19.7
TOTAL ITEM T-35				773.0

USE 773 Cu. Yds.

ITEM I-8 CENTERLINE REFERENCE MONUMENTS

For Locations, See Table on Sheet No. 297

TOTAL ITEM I-8 — 10 EACH

ITEM I-21 4" PORTLAND CEMENT CONCRETE MEDIAN PAVEMENT STANDARD TYPE 1

Station to Station	Length	Av. Width	Sq. Ft.	Remarks
RAMP "K"				
9+58.00 ~ 9+96.00	38.0	6.0	228	Rt.
RAMP "M"				
4+46.00 ~ 4+86.00	40.0	6.0	240	Lt.
RAMP "C"				
47+14.00 - 47+54.00	40.0	6.0	240	Lt.
MASSILLON ROAD				
17+48.00 - 17+68.00	20.0	6.0	120	Median
23+42.00 - 23+62.00	20.0	6.0	120	Median
TOTAL ITEM I-21			948 = 105 S.Y.	

USE 105 Sq. Yd.

ITEM B-35 ASPHALTIC CONCRETE LEVELING COURSE (70-85)

Station to Station	Length	Av. Width	Depth	Cu. Yds.
WISE ROAD				
0+25.00 - 8+00.73	775.73	18.0	0.104	53.8
11+99.27 - 17+00.00	500.73	18.0	0.104	34.7
GRAYBILL ROAD				
1+50.00 - 8+31.73	681.73	18.0	0.104	47.3
11+68.27 - 17+50.00	581.73	18.0	0.104	40.3
MASSILLON ROAD				
7+50.00 - 31+01.00 (See Item T-35)			0.104	451.5
TURKEYFOOT LAKE ROAD				
3+50.00 ~ 7+76.83	426.83	24.0	0.104	39.5
12+23.17 - 15+00.00	276.83	24.0	0.104	25.6
CHENOWETH ACCESS ROAD				
9+32.56 - 22+94.60	1,362.04	18.0	0.104	94.4
2 Spandrels 0.215 x 25² x 2			0.104	1.0
CUL-DE-SAC~ At Chenoweth Road				
(By Planimeter 16.30" x 400)			0.104	25.1
CUL-DE-SAC~ At Essig Drive				
(By Planimeter 16.00" x 400)			0.104	24.7
TOTAL ITEM B-35				837.9

USE 838 Cu. Yds.

ITEM B-19 AGGREGATE BASE COURSE

Station to Station	Length	Av. Width	Depth	Cu. Yds.
WISE ROAD				
0+25.00 - 8+00.73	775.73	19.0	0.417	227.6
11+99.27 - 17+00.00	500.73	19.0	0.417	146.9
GRAYBILL ROAD				
1+50.00 - 8+31.73	681.73	19.0	0.417	200.1
11+68.27 - 17+50.00	581.73	19.0	0.417	170.7
CHENOWETH ACCESS ROAD				
9+32.56 - 22+94.60	1,362.04	19.0	0.417	399.7
2 Spandrels 0.215 x 25² x 2			0.417	4.2
CUL-DE-SAC~ At Chenoweth Road				
(By Planimeter 16.75" x 400)			0.417	103.5
CUL-DE-SAC~ At Essig Drive				
(By Planimeter 16.38" x 400)			0.417	101.2
WISE RELOCATED DRIVE RIGHT				
0+65.00 - 10+66.00	1,001.00	12.0	0.417	185.5
10+66.00 - 10+91.00 (By Planimeter 0.20" x 2500			0.417	7.7
WISE ACCESS ROAD "A"				
0+09.00 ~ 0+34.00 (By Planimeter 0.20" x 2500			0.417	7.7
0+34.00 - 10+65.00	1,031.00	12.0	0.417	191.1
TURKEYFOOT LAKE ACCESS ROAD				
0+12.00 ~ 1+30.00 (By Planimeter 1.46" x 2500			0.417	56.4
1+30.00 ~ 2+20.22	90.22	18.0	0.417	25.1
2+20.22 ~ 3+37.42	117.20	15.0	0.417	27.2
3+37.42 ~ 5+50.00	212.58	12.0	0.417	39.4
TOTAL ITEM B-19				1,894.0

USE 1,894 Cu. Yds.

ITEM I-23 PRECAST WHITE PORTLAND CEMENT CONCRETE TRAFFIC DIVIDERS

Station to Station	Each
MASSILLON ROAD	
8+50.00 - 14+38.00	98
25+20.00 - 30+00.00	80
TOTAL ITEM I-23	178 EACH

ITEM I-125 PAVEMENT MARKING

	Lin. Ft.	Miles
4" EDGE LINE		
4" Lines for length of Mainline Pavement	101,597	
4" Lines for Ramps	13,741	
TOTAL ITEM I-125 4" Edge Lines	115,338	21.844
6" LANE LINES AT CENTERLINES		
2 lanes for length of Mainline Pavement x 15/40	19,050	3.608
4" LANE LINES		
At Ramps	872	0.165
8" CHANNELIZING LINE		
At Ramp Terminals	2,280	0.432
DIAGONAL STRIPES		
At Ramp Terminals	LUMP SUM	
CURB AND ISLAND MARKING	LUMP SUM	

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ITEM B-21 WATERPROOFED AGGREGATE BASE COURSE
ITEM B-112 POROUS BASE COURSE

Station	to	Station	Length	B-21 Av. Width	B-112 Av. Width	B-112 Depth	B-21 Depth	B-112 Cu. Yds.	B-21 Cu. Yds.	Remarks
100+00.00		155+51.04	5,551.04	10.0	10.0	0.38	0.25	781.3	514.0	S.B. Lt.
100+00.00	(-0.94 Equa.)	239+73.66	13,972.72	8.0	8.0	0.50	0.25	2,070.0	1,035.0	Median Rt-Lt.
100+00.00		163+86.81	6,386.81	10.0	10.0	0.38	0.25	898.9	591.4	N.B. Rt.
167+51.04		172+94.00	542.96	15.0	15.0	0.50	0.25	150.8	75.4	S.B. Lt
172+86.81		184+50.00	1,163.19	10.0	10.0	0.38	0.25	163.7	107.7	N.B. Rt.
172+94.00		185+62.00	1,268.00	10.0	10.0	0.38	0.25	178.5	117.4	S.B. Lt.
184+50.00		189+52.90	502.90	15.0	15.0	0.50	0.25	139.7	69.8	N.B. Rt.
194+62.00		215+99.06	2,137.06	10.0	10.0	0.38	0.25	300.8	197.9	S.B. Lt.
201+52.90	(-0.94 Equa.)	222+67.00	2,113.16	10.0	10.0	0.38	0.25	297.4	195.7	N.B. Rt.
215+99.06		216+99.06	100.00	9.0	9.0	0.27	0.38	9.0	12.7	S.B. Lt.
216+99.06	(-0.94 Equa.)	228+00.00	1,100.00	8.0	8.0	0.15	0.50	48.9	163.0	S.B. Lt.
222+67.00		223+67.00	100.00	9.0	9.0	0.27	0.38	9.0	12.7	N.B. Rt.
223+67.00		230+00.00	633.00	8.0	8.0	0.15	0.50	28.1	93.8	N.B. Rt.
228+00.00		232+84.00	484.00	15.0	15.0	0.50	0.25	134.4	67.2	S.B. Lt
232+84.00		239+00.00	616.00	10.0	10.0	0.38	0.25	86.7	57.0	S.B. Lt.
235+47.00		240+50.00	503.00	10.0	10.0	0.38	0.25	70.8	46.6	N.B. Rt.
241+42.00		247+53.00	611.00	10.0	10.0	0.38	0.25	86.0	56.6	S.B. Rt.
242+06.08		266+10.00	2,403.92	8.0	8.0	0.50	0.25	356.1	178.1	Median Lt-Rt.
242+85.00		249+48.00	663.00	10.0	10.0	0.38	0.25	93.3	61.4	N.B. Rt.
249+48.00		254+10.00	462.00	15.0	15.0	0.50	0.25	128.3	64.2	N.B. Rt.
253+00.00		259+34.00	634.00	8.0	8.0	0.15	0.50	28.2	93.9	S.B. Lt.
254+10.00		265+10.00	1,100.00	8.0	8.0	0.15	0.50	48.9	163.0	N.B. Rt.
259+34.00		260+34.00	100.00	9.0	9.0	0.27	0.38	9.0	12.7	S.B. Lt.
260+34.00		266+10.00	576.00	10.0	10.0	0.38	0.25	81.1	53.3	S.B. Lt.
265+10.00		266+10.00	100.00	9.0	9.0	0.27	0.38	9.0	12.7	N.B. Rt.
266+10.00	(-100' Equa.)	327+00.00	5,990.00	20.0	20.0	0.38	0.25	1,686.1	1,109.3	N.B.-S.B.
266+10.00	(-100' Equa.)	327+00.00	5,990.00	8.0	8.0	0.50	0.25	887.4	443.5	Median
327+00.00		328+00.00	100.00	9.0	9.0	0.27	0.38	9.0	12.7	S.B. Lt.
327+00.00		354+00.00	2,700.00	4.0	4.0	0.50	0.25	200.0	100.0	Median S.B.
327+00.00		354+88.00	2,788.00	4.0	4.0	0.50	0.25	206.5	103.3	Median N.B.
327+00.00		335+14.00	814.00	10.0	10.0	0.38	0.25	114.6	75.4	N.B. Rt.
328+00.00		339+00.00	1,100.00	8.0	8.0	0.15	0.50	48.9	163.0	S.B. Lt.
335+14.00		336+14.00	100.00	9.0	9.0	0.27	0.38	9.0	12.7	N.B. Rt.
336+14.00		342+25.00	611.00	8.0	8.0	0.15	0.50	27.2	90.5	N.B. Rt.
339+00.00		346+48.00	748.00	15.0	15.0	0.50	0.25	207.8	103.9	S.B. Lt.
346+48.00		354+00.00	752.00	10.0	10.0	0.50	0.25	139.3	69.6	S.B. Lt.
348+22.00		354+88.00	666.00	10.0	10.0	0.50	0.25	123.3	61.7	N.B. Rt.
TOTAL MAINLINE								9,867.0	6,398.8	
RAMP "J"										
0+00.00		3+00.00	300.00	8.0	8.0	0.15	0.50	13.3	44.4	Lt.
3+00.00		5+33.33	233.33	5.5	5.5	0.25	0.50	11.9	23.8	Lt.
4+83.33		5+33.33	50.00	2.5	2.5	0.50	0.25	2.3	1.2	Rt.
5+33.33		10+38.00	548.00	3.0	3.0	0.25	0.50	15.2	30.4	Lt.
5+33.33		10+70.00	544.00	3.0	3.0	0.50	0.25	30.2	15.1	Rt.
RAMP "K"										
0+18.00		8+96.00	892.00	3.0	3.0	0.25	0.50	24.8	49.6	Lt.
0+46.00		9+96.00	947.00	3.0	3.0	0.50	0.25	52.6	26.3	Rt.
8+96.00		14+42.42	546.42	5.5	5.5	0.25	0.50	27.8	55.7	Lt.
RAMP "L"										
0+20.00		5+90.60	575.00	3.0	3.0	0.50	0.25	31.9	16.0	Lt.
0+51.00		5+90.60	584.00	3.0	3.0	0.25	0.50	16.2	32.4	Rt.
5+90.60		6+40.90	50.30	2.5	2.5	0.50	0.25	2.3	1.2	Lt.
5+90.60		7+40.60	150.00	5.5	5.5	0.25	0.50	7.6	15.3	Rt.
7+40.60		10+40.60	300.00	8.0	8.0	0.15	0.50	13.3	44.4	Rt
RAMP "M"										
0+00.00		5+46.00	546.00	5.5	5.5	0.25	0.50	27.8	55.6	Rt.
4+46.00		13+98.00	968.00	3.0	3.0	0.50	0.25	53.8	26.9	Lt.
5+46.00		14+25.00	890.00	3.0	3.0	0.25	0.50	24.7	49.4	Rt.

(Continued)

ITEM B-21 WATERPROOFED AGGREGATE BASE COURSE
ITEM B-112 POROUS BASE COURSE
(Continued)

Station	to	Station	Length	B-21 Av. Width	B-112 Av. Width	B-112 Depth	B-21 Depth	B-112 Cu. Yds.	B-21 Cu. Yds.	Remarks
RAMP "A"										
39+00.00		48+73.20	973.20	8.0	8.0	0.15	0.50	43.3	144.2	Lt.
45+48.00		45+98.00	50.00	2.5	2.5	0.50	0.25	2.3	1.2	Rt.
45+98.00		46+48.00	50.00	3.0	3.0	0.50	0.25	2.8	1.4	Rt.
46+48.00		50+50.00	402.00	3.0	3.0	0.50	0.25	22.3	11.2	Rt.
48+73.20		50+50.00	176.80	5.5	5.5	0.25	0.50	9.0	18.0	Lt.
RAMP "C"										
42+25.00		48+13.69	588.69	5.5	5.5	0.25	0.50	30.0	60.0	Rt.
47+13.69		48+13.69	100.00	3.0	3.0	0.50	0.25	5.6	2.8	Lt.
48+13.69		61+50.00	1,336.31	3.0	3.0	0.50	0.25	74.2	37.1	Lt.
48+13.69		61+50.00	1,336.31	3.0	3.0	0.25	0.50	37.1	74.2	Rt.
U-TURN MEDIAN CROSS-OVERS										
104+80.00		(By Planimeter Area 11.38 sq" x 400)					0.50	0.25	84.3	42.1	
206+20.00		(By Planimeter Area 11.38 sq" x 400)					0.50	0.25	84.3	42.1	
309+20.00		(By Planimeter Area 11.38 sq" x 400)					0.50	0.25	84.3	42.1	
TOTAL									10,702.2	7,362.9	

ITEM B-21 WATERPROOFED AGGREGATE BASE COURSE
ITEM I-18 STABILIZED CRUSHED AGGREGATE SHOULDERS

Station	to	Station	Length	B-21 Av. Width	I-18 Av. Width	I-18 Depth	B-21 Depth	I-18 Cu. Yds.	B-21 Cu. Yds	Remarks
MASSILLON ROAD										
7+50.00		13+50.00	600.00	47.0						
13+50.00		25+01.00	1,151.00	69.0	135,819 S.F.					
25+01.00		31+01.00	600.00	47.0						
Deduct Islands (Planimeter Area 6.50 sq" x 2500 = 16,250 S.F.)										
135,819 S.F. - 16,250 S.F. = 119,569 S.F.								—	—	
7+50.00		31+01.01	3,692.00	—	4.0	0.500	0.667	—	2,953.8	Lt. & Rt.
								273.5 (Drives Deducted Lt. & Rt.)		
TURKEYFOOT LAKE ROAD										
3+50.00		7+76.83	426.83	25.0	—	—	0.667	—	263.6	Lt. & Rt.
12+23.17		15+00.00	276.83	25.0	—	—	0.667	—	171.0	Lt. & Rt.
3+50.00		7+76.83	217.00	—	4.0	0.500	—	16.1 (Drives Deducted Rt. & Lt.)		
12+23.17		15+00.00	177.00	—	4.0	0.500	—	13.1 (Drives Deducted Rt. & Lt.)		
TOTAL								302.7	3,388.4	

TOTAL ITEM I-18 USE 303 Cu. Yds.
TOTAL ITEM B-21 USE 10,752 Cu. Yds.
TOTAL ITEM B-112 USE 10,703 Cu. Yds.

ITEM T-31 BITUMINOUS SURFACE TREATMENT
BITUMINOUS MATERIAL

(Rate of Application 0.25 Gals. Per Sq. Yd.)

See Item B-21 (Mainline)		79,253 Sq. Yds.
See Item B-19 - Wise Access Rd. "A"		3,885 Sq. Yds.
	Wise Reloc. Drive	
	Turkeyfoot Access Rd	
		83,138 Sq. Yds.

83,138 S.Y. x 0.25 = 20,784.5 Gals
TOTAL ITEM T-31 USE 20,785 GALS

ITEM T-31 BITUMINOUS SURFACE TREATMENT
No. 6 AGGREGATE

(Rate of Application 0.008 C.Y. Per S.Y.)
83,138 S.Y. x 0.008 = 665.10 C.Y.
TOTAL ITEM T-31 USE 666 Cu. Yds.

ITEM E-1 COMPACTED SUBGRADE

Under Item T-71		157,429 S.Y.
Under Item T-70 (9")		821 S.Y.
Under Item I-7		743 S.Y.
Wise Rd.		2,695 S.Y.
Greybill Rd.	Under	2,668 S.Y.
Chenoweth Access Rd.	Item	2,906 S.Y.
Cul-de-sac At Chenoweth	B-19	745 S.Y.
Cul-de-sac At Essig		728 S.Y.
Turkeyfoot Lake Rd.		1,955 S.Y.
Massillon Rd.	Under Item B-21	13,286 S.Y.
B-21 Stabilized Shoulders		79,253 S.Y.
TOTAL ITEM E-1		263,229 S.Y.

ITEM SPECIAL - MIXING CALCIUM CHLORIDE AND CRUSHED AGGREGATE

From Item I-18 - 303 C.Y. x 36/6 = 1818 Sq. Yds.

ITEM M-10 CALCIUM CHLORIDE FOR STABILIZED SHOULDERS

1818 Sq. Yds. (1.5 + 0.6) ÷ 2000 = 1.9 Tons

ITEM I-12 CONCRETE CURB, TYPE 2A

Station	to	Station	Lin. Ft.	Remarks
MAINLINE				
234+47.00		235+47.00	104	Rt.
247+53.00		248+53.00	104	Lt.
347+20.00		348+20.00	104	Rt.
TOTAL ITEM I-12, TYPE 2A			312	Lin. Ft.

ITEM I-12 CONCRETE CURB, TYPE 6

Station	to	Station	Lin. Ft.	Remarks
RAMP "K"				
8+96.00		10+96.00	100	Rt.
RAMP "M"				
4+46.00		5+46.00	100	Lt.
RAMP "C"				
47+13.69		48+13.69	100	Lt.
53+87.00		59+80.00	593	Lt.
MASSILLON ROAD				
14+45.00		16+83.00	500	Median
14+63.00		15+82.00	119	Lt.
17+48.00		23+62.00	1,236	Median
24+18.00		25+11.00	210	Median
TOTAL ITEM I-12, TYPE 6			2,958	Lin. Ft.

ITEM I-12 SPECIAL PORTLAND CEMENT CONCRETE CURB

Station	to	Station	Lin. Ft.	Remarks
RAMP "J"				
0+00.00		6+33.33	634	Rt.
RAMP "L"				
4+90.60		10+40.60	550	Lt.
RAMP "A"				
39+00.00		46+48.00	748	Rt.
TOTAL ITEM I-12, SPECIAL			1,932	Lin. Ft.

Est. { Regular 1500 / Modified 432

ITEM I-22 SUBBASE
(See Engineer's Computations)

	Cu. Yds.
Mainline	37,471.1
Acceleration and Deceleration Lanes	2,558.1
Ramp J	467.2
Ramp K	689.3
Ramp L	446.0
Ramp M	661.2
Ramp A	631.8
Ramp C	894.4
3 Median U-Turns	252.9
Wise Road	324.2
Wise Relocated Drive	166.0
Wise Access Road-A	170.8
Greybill Road	321.1
Massillon Road	3,025.0
Turkeyfoot Lake Road	485.7
Turkeyfoot Lake Access Road	124.5
Chenoweth Access Road	336.2
Cul-De-Sac at Chenoweth Road	84.1
Cul-De-Sac at Essig Road	81.9
TOTAL ITEM I-22	49,192.1

USE 49,193 Cu. Yds.

CALCULATIONS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

EXCAVATION, EMBANKMENT AND SEEDING

Station	to Station	ITEM E-1 Roadway Excavation Method B Cu.Yds	Embankment Cu.Yds.	Embankment Plus 15% Cu.Yds.	ITEM L-9 Seeding and Protecting As Per Plan Sq.Yds.
MAINLINE					
100+00	110+00	46,530	–	–	25,085
110+00	120+00	15,126	7,282	8,374	24,471
120+00	130+00	14,878	1,274	1,465	24,772
130+00	140+00	1,438	26,018	29,921	25,122
140+00	150+00	47,597	2,911	3,348	28,950
150+00	160+00	72,867	978	1,125	30,607
160+00	170+00	11,574	30,681	35,283	24,511
170+00	180+00	41,333	9,148	10,520	16,493
180+00	190+00	11,451	22,753	26,166	17,304
190+00	200+00	169,549	–	–	26,044
200+00	210+00	21,005	3,767	4,332	25,067
210+00	220+00	8,890	9,364	10,769	24,832
220+00	230+00	11,646	8,855	10,183	22,277
230+00	240+00	360	122,075	140,386	20,350
240+00	250+00	1,531	89,778	103,245	20,017
250+00	260+00	19,994	34,345	39,497	23,139
260+00	270+00	162,419	26	30	27,016
270+00	280+00	26,090	10,033	11,538	26,133
280+00	290+00	46,322	2,463	2,832	26,332
290+00	300+00	97,182	278	320	26,332
300+00	310+00	2,045	53,263	61,252	25,287
310+00	320+00	7,584	24,568	28,253	22,552
320+00	330+00	9,174	18,493	21,267	25,061
330+00	340+00	1,811	41,114	47,281	24,004
340+00	350+00	91,422	14,160	16,284	22,484
350+00	358+00	200	104,035	119,640	20,243
TOTAL MAINLINE		940,018	637,662	733,311	624,485
RAMP "J"					
7+00	10+58	1,159	1,304	1,500	2,867
RAMP "K"					
0+31	8+45	1,415	8,121	9,339	9,584
RAMP "L"					
0+43	4+35	3,689	2,984	3,432	5,130
RAMP "M"					
6+00	14+00	5,703	13,074	15,035	10,345
RAMP "A"					
47+03	53+52	9,127	2,737	3,148	8,220
RAMP "C"					
46+94	62+21	5,954	28,666	32,966	14,990
RAMP "C-C"					
44+50	55+00	8	30,437	35,003	20,202
WISE ROAD					
0+25	17+00	694	12,148	13,970	12,173
WISE RELOCATED DRIVE RT.					
0+65	10+85	2,697	2,659	3,058	Seeding Included in Wise Rd. and Mainline
WISE ACCESS ROAD "A"					
0+15	10+65	1,712	6,052	6,960	
GRAYBILL ROAD					
1+50	17+50	632	13,873	15,954	10,165
MASSILLON ROAD					
7+50	31+01	28,151	295	339	14,346
TURKEYFOOT LAKE ROAD					
3+50	15+00	253	5,700	6,555	6,890
TURKEYFOOT LAKE ACCESS ROAD					
0+66	5+50	370	909	1,045	Seeding Included in Mainline and Turkeyfoot Lake Rd.
CHENOWETH ACCESS ROAD					
9+32.56	22+94.60	428	3,193	3,672	4,536
CHANNEL					
211+80 Lt. and Rt.		–	–	–	4,215
Seeding in Work Agreement Areas					4,567
TOTALS		1,002,010	769,814	885,287	752,715
Deduct for Item E-1		22,857	–	–	–
TOTALS		979,153	769,814	885,287	752,715

ITEM E-4 GRANULAR BORROW (AS PER PLAN)

Station to	Station	Cu.Yds.	Plus 15%
252+00	256+50	12,780	14,697

TOTAL ITEM E-4 14,697 CU.YDS.

ITEM E-3 CHANNEL EXCAVATION

Station to	Station	Cu.Yds.	Remarks
5+10	8+95	298	Lt. N.M Sta. 211+80 } See Sheet 100
11+00	15+00	270	Rt. N.M Sta. 211+80 }

TOTAL ITEM E-3 568 CU.YDS.

GRADING ANALSIS

	Cu.Yds. Embankment +15%	Cu.Yds. Excavation
Roadway	885,287	979,153
Rest Area	37,504	21,652
Channel Excavation	0	568
TOTAL	922,791 C.Y.	1,001,373 C.Y.

E-11 WATER

Embankment +15%	885,287 C.Y.
I-22 SUBBASE	49,193 C.Y.
I-18	1,079 C.Y.
B-19	1,894 C.Y.

TOTAL 937,453 x 5 ÷ 1000 = 4,687.27
TOTAL USE 4,688 M-GALS

ITEM SS-18 FENCE, TYPE D

Station to	Station	Lin.Ft. Length	Remarks	Fed. Participating Quantity (See Sheet 2)
98+27.5	151+44	5,320	Lt.	3520
102+50	149+55	4,730	Rt.	3730
149+94	173+00	2,320	Rt.	2320
151+82	171+50	1,980	Lt.	1980
182+60	199+70	1,800	Rt.	1800
185+60	200+04	1,450	Lt.	1450
200+00	243+73	4,430	Rt.	2830
200+36.5	237+65	3,730	Lt.	3730
239+56.5	293+60.5	5,420	Lt.	3570
245+45	290+84	4,590	Rt.	2740
291+39	361+19	6,970	Rt.	6020
294+13.5	351+30	5,740	Lt.	4790
TOTAL ITEM SS-18		48,480		38480

USE 48,480 LIN.FT.

ITEM L-1 TOPSOIL STOCKPILED

TOTAL ITEM L-1 22,857 C.Y.

ITEM L-3 PLACING STOCKPILED TOPSOIL

TOTAL ITEM L-3 14,424 C.Y.

ITEM L-9 SEEDING AND PROTECTING, AS PER PLAN

Tabulation from E-1 (Roadway Excavation)	752,715 S.Y.
Tabulation from E-1 (Roadway Exc. Sheet No. 19)	21,306 S.Y.
Subtract L-10 Sodding (See Sheet No. 10)	17,528 S.Y.
TOTAL	756,493 S.Y.

ITEM L-9 COMMERICAL FERTILIZER (12-12-12)

S.Y. x 9 x 20/1000 ÷ 2000 = Tons

Tabulation from L-9 Seeding	756,493 S.Y.
Tabulation from L-10 Sodding	17,528 S.Y.
TOTAL	774,021 S.Y. = 69.66 TONS

ITEM L-9 AGRICULTURE LIMING MATERIAL

S.Y. x 9 x 100/1000 ÷ 2000 = Tons

Tabulation from L-9 Seeding	756,493 S.Y.
Tabulation from L-10 Sodding	17,528 S.Y.
TOTAL	774,021 S.Y. = 348.31 TONS

ITEM I-127 DELINEATORS, AS PER PLAN

	Standard Type A-1	Standard Type C-2	Standard Type C-3
Mainline	211	–	3
Ramps	–	154	–
TOTAL I-127	211	154	3

ITEM T-30 BITUMINOUS PRIME COAT

(Applied at the rate of 0.40 Gal. Per Sq.Yd.)

Wise Road	See Item B-19	2,694.7 S.Y.
Graybill Road	See Item B-19	2,667.3 S.Y.
Cul-De-Sac at Essig Drive	See Item B-19	728.0 S.Y.
Cul-De-Sac at Chenoweth Road	See Item B-19	744.4 S.Y.
Chenoweth Access Road	See Item B-19	2,905.3
TOTAL		9,739.7 S.Y.

9,739.7 x 0.40 Gal. = 3,895.88 Gals.

TOTAL T-30 USE 3,896 GALS.

CALCULATIONS-REST AREA

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

SUMMIT COUNTY
SUM-8-1.89

ITEM T-71 REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT

Station to Station		Length	Av. Width	Sq. Yds.	Remarks
ACCELERATION LANE S.B					
155+51.04	167+51.04	1,200.00	12.50	1,666.67	
RAMP "U"					
0+00.00	3+00.00	300.00	15.00	500.00	
3+00.00	4+00.00	100.00	17.00	188.89	
4+00.00	9+62.53	562.53	16.00	1,000.05	
PARKING AREA S.B.					
9+62.53	10+48.61	(By Planimeter 12.34 in^2 × 400)		548.44	
10+48.61	13+75.00	326.39	76.00	2,756.18	
13+75.00	14+68.00	(By Planimeter 11.57 in^2 × 400)		514.22	
RAMP "T"					
14+68.00	18+25.83	357.83	16.00	636.14	
18+25.83	23+80.27	(By Planimeter 4.92 in^2 × 2500)		1,366.67	
DECELERATION LANE S.B.					
191+15.54	193+62.00	246.46	12.00	328.61	
193+62.00	194+62.00	100.00	6.00	66.67	
SUB-TOTAL				9,572.54	
DECELERATION LANE N.B.					
163+86.81	164+86.81	100.00	6.00	66.67	
164+86.81	167+33.46	246.65	12.00	328.87	
RAMP "R"					
0+00.00	5+54.43	(By Planimeter 4.88 in^2 × 2500)		1,355.56	
5+54.43	9+00.00	345.57	16.00	614.35	
PARKING AREA N.B.					
9+00.00	10+07.00	(By Planimeter 12.54 in^2 × 400)		557.33	
10+07.00	13+31.65	324.65	76.00	2,741.49	
13+31.65	14+16.93	(By Planimeter 12.16 in^2 × 400)		540.44	
RAMP "S"					
14+16.93	18+36.68	419.75	16.00	746.22	
18+36.68	19+36.68	100.00	17.00	188.89	
19+36.68	22+36.68	300.00	15.00	500.00	
ACCELERATION LANE N.B.					
189+52.90	201+52.90	1,200.00	12.50	1,666.67	
SUB-TOTAL				9,306.49	
TOTAL ITEM T-71				18,879.03 Sq.Yds.	
USE 18,880 SQ. YD.					

ITEM I-22 SUBBASE

(See Engineer's Computations)

	Cu.Yds.
Acceleration Lane S.B	456.5
Ramp U	400.5
Parking Area S.B	711.4
Ramp T	435.3
Deceleration Lane S.B	119.1
Deceleration Lane N.B	119.1
Ramp R	429.5
Parking Area N.B.	711.0
Ramp S	342.3
Acceleration Lane S.B.	456.5
TOTAL ITEM I-22	4,181.2
USE 4,182 CU.YDS.	

ITEM B-21 WATERPROOFED AGGREGATE BASE COURSE
ITEM B-112 POROUS BASE COURSE

Station to Station		Length	B-21 Av.Width	B-112 Av.Width	B-112 Depth	B-21 Depth	B-112 Cu.Yds.	B-21 Cu.Yds.	Remarks
ACCELERATION LANE S.B.									
155+51.04	156+51.04	100.00	9.0	9.0	0.27	0.50	9.0	16.7	Lt.
156+51.04	167+51.04	1,100.00	8.0	8.0	0.15	0.50	48.9	163.0	Lt.
RAMP"U"									
0+00.00	3+00.00	300.00	8.0	8.0	0.15	0.50	13.3	44.4	Lt.
3+00.00	4+50.00	150.00	5.5	5.5	0.25	0.50	7.6	15.3	Lt.
4+00.00	4+50.00	50.00	2.5	2.5	0.42	0.25	1.9	1.2	Rt.
4+50.00	9+62.53	512.53	3.0	3.0	0.50	0.25	28.5	14.2	Rt.
4+50.00	9+62.53	512.53	3.0	3.0	0.25	0.50	14.2	28.5	Lt.
DECELERATION LANE N.B.									
163+86.81	164+86.81	100.00	9.0	9.0	0.27	0.50	9.0	16.7	Rt.
164+86.81	167+33.46	246.65	8.0	8.0	0.15	0.50	11.0	36.5	Rt.
RAMP"R"									
0+00.00	5+54.43	554.43	5.5	5.5	0.25	0.50	28.2	56.5	Rt.
5+54.43	8+89.00	334.57	3.0	3.0	0.25	0.50	9.3	18.6	Rt.
4+54.43	9+03.00	448.57	3.0	3.0	0.50	0.25	24.9	12.5	Lt.
8+89.00	9+00.00	11.00	1.5	1.5	0.25	0.50	0.2	0.3	Rt.
9+03.00	9+14.00	11.00	1.5	1.5	0.50	0.25	0.3	0.2	Lt.
RAMP"T"									
14+66.00	14+77.00	11.00	1.5	1.5	0.50	0.25	0.3	0.2	Rt.
14+77.00	19+25.83	448.83	3.0	3.0	0.50	0.25	24.9	12.5	Rt.
14+78.00	14+89.00	11.00	1.5	1.5	0.25	0.50	0.2	0.3	Lt.
14+89.00	18+25.83	336.83	3.0	3.0	0.25	0.50	9.4	18.7	Lt.
18+25.83	23+80.27	554.44	5.5	5.5	0.42	0.50	47.4	56.5	Lt.
DECELERATION LANE S.B.									
191+15.54	193+62.00	246.46	8.0	8.0	0.15	0.50	11.0	36.5	Lt.
193+62.00	194+62.00	100.00	9.0	9.0	0.27	0.50	9.0	16.7	Lt.
RAMP"S"									
14+16.93	17+86.68	369.75	3.0	3.0	0.50	0.25	20.5	10.3	Lt.
14+16.93	17+86.68	369.75	3.0	3.0	0.25	0.50	10.3	20.5	Rt.
17+86.68	18+36.68	50.00	2.5	2.5	0.50	0.25	2.3	1.2	Lt.
17+86.68	19+36.68	150.00	5.5	5.5	0.25	0.50	7.6	15.3	Rt.
19+36.68	22+36.68	300.00	8.0	8.0	0.15	0.50	13.3	44.4	Rt.
ACCELERATION LANE N.B.									
189+52.90	200+52.90	1,100.00	8.0	8.0	0.15	0.50	48.9	163.0	Rt.
200+52.90	201+52.90	100.00	9.0	9.0	0.27	0.50	9.0	16.7	Rt.
TOTALS							418.1	837.4	

TOTAL ITEM B-112 USE 419 CU.YDS.
TOTAL ITEM B-21 USE 838 CU.YDS.

ITEM T-31 BITUMINOUS SURFACE TREATMENT
BITUMINOUS MATERIAL

(Rate of Application 0.25 Gals. Per Sq. Yd)

Under Item B-21 5,334.4 Sq. Yds.
5,334.4 S.Y. × 0.25 = 1,333.6 Gals.

TOTAL ITEM T-31 USE 1,334 GALS.

ITEM T-31 BITUMINOUS SURFACE TREATMENT
No. 6 AGGREGATE

(Rate of Application 0.008 C.Y. Per Sq. Yd.)
5,334.4 S.Y. × 0.008 = 42.7 Cu. Yds.

TOTAL ITEM T-31 USE 43 CU.YDS.

ITEM E-1 COMPACTED SUBGRADE

Under Item T-71	18,880 Sq. Yds.
Under B-21 Stab. Shoulders	5,334 Sq. Yds.
TOTAL ITEM E-1	24,214 Sq. Yds.

ITEM I-12 SPECIAL PORTLAND CEMENT CONCRETE CURB, MODIFIED, AS PER PLAN

Station to Station		Lin. Ft.	Remarks
PARKING AREA S.B.			
9+62.53	10+20.00	111	Lt.
9+62.53	14+77.00	513	Rt.
10+29.00	13+97.00	770	Median
13+90.65	14+89.00	136	Lt.
PARKING AREA N.B			
8+89.00	9+89.61	139	Rt.
9+03.00	14+16.93	510	Lt.
9+84.00	13+51.00	770	Median
13+59.00	14+16.93	112	Rt.
TOTAL ITEM I-12 SPECIAL (MODIFIED)		3,061 LIN. FT.	

ITEM I-12 SPECIAL PORTLAND CEMENT CONCRETE CURB

Station to Station		Lin. Ft.	Remarks
RAMP "U"			
0+00.00	6+35.00	635	Rt.
RAMP "S"			
16+86.68	22+36.68	550	Lt.
TOTAL ITEM I-12 SPECIAL		1,185 LIN. FT.	

ITEM I-12 CONCRETE CURB, TYPE 6

Station to Station		Lin. Ft.	Remarks
PARKING AREA S.B.			
10+20.00	13+90.65	386	Lt.
PARKING AREA N.B.			
9+89.86	13+59.00	386	Rt.
RAMP"R"			
4+54.43	5+54.43	100	Lt.
RAMP"T"			
18+25.83	19+25.83	100	Lt.
TOTAL ITEM I-12 TYPE 6		972 LIN. FT.	

ITEM I-12 CONCRETE CURB, TYPE 2A

Station to Station		Lin. Ft.	Remarks
NORTHBOUND			
171+87.00	172+87.00	104	Rt.
SOUTHBOUND			
185+62.00	186+62.00	104	Lt.
TOTAL ITEM I-12, TYPE 2A		208 LIN. FT.	

ITEM I-21 4" PORTLAND CEMENT CONCRETE MEDIAN PAVEMENT STANDARD TYPE 1

Station to Station		Length	Av. Width	Sq. Ft.	Remarks
RAMP "R"					
4+54.43	4+94.43	40.0	6.0	240.0	Lt.
RAMP "T"					
18+85.83	19+25.83	40.0	6.0	240.0	Rt.
TOTAL ITEM I-21				480.0 SQ. FT.	

CALCULATIONS- REST AREA

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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ITEM I-13 4" CONCRETE SIDEWALK

Station	to Station	Length	Width	Sq. Ft.	Remarks
PARKING AREA S.B.					
10+20	11+82	177.4	5.0	887.0	Lt.Edge
11+25	12+72	(Planimeter 1.90"² x 400)		760.0	
11+50	—	23.67	3.0	71.0	Median Lt.
12+12	13+90.6	178.6	5.0	893.0	Lt.Edge
12+70	—	23.67	3.0	71.0	Median Lt.
PARKING AREA N.B.					
9+89.6	12+11	221.4	5.0	1,107.0	Rt.Edge
11+08	—	23.67	3.0	71.0	Median Rt.
11+45	13+03	(Planimeter 2.04"² x 400)		816.0	
12+28	—	23.67	3.0	71.0	Median Rt.
12+41	13+59	134.6	5.0	673.0	Rt.Edge
TOTAL ITEM I-13, 4"				5,420.0	SQ. FT.

ITEM I-13 7" CONCRETE SIDEWALK

Station	to Station	Length	Width	Sq. Ft.	Remarks
PARKING AREA S.B.					
11+82	12+12	30.0	5.0	150.0	Lt.Edge
11+97	—	(Planimeter 1.55"² x 400)		620.0	Lt. To Bldg.
PARKING AREA N.B.					
12+11	12+41	30.0	5.0	150.0	Rt.Edge
12+26	—	(Planimeter 1.67"² x 400)		668.0	Rt. To Bldg.
TOTAL ITEM I-13, 7"				1,588.0	SQ. FT.

ITEM SS-18 REST AREA FENCE

Station	to Station	Length	Remarks
171+50	185+60	1,800	S.B. Lt.
173+00	182+60	1,200	N.B. Rt.
TOTAL ITEM SS-18,		3,000 LIN. FT.	

ITEM SS-18 FENCE, TYPE C

S.B. Treatment Plant	96
N.B. Treatment Plant	96
TOTAL ITEM SS-18, TYPE C	192 LIN. FT.

ITEM SS-18, 4' GATES

S.B. Treatment Plant	1 Each
N.B. Treatment Plant	1 Each
TOTAL ITEM SS-18, 4' GATES	2 EACH

ITEM I-125 PAVEMENT MARKING

	Lin.Ft.	Miles
4" EDGE LINE		
4" Lines for Ramps	4,636	0.878
4" LANE LINES		
At Ramps x 15/40	335	0.063
8" CHANNELIZING LINE		
At Ramp Terminals	1,125	0.213
DIAGONAL STRIPES	LUMP	LUMP
CURB AND ISLAND MARKING	LUMP	LUMP

EXCAVATION, EMBANKMENT AND SEEDING

Station	to Station	Item E-1 Roadway Excavation Method B Cu.Yds.	Embankment Cu.Yds.	Embankment Plus 15% Cu.Yds.	Item L-9 Seeding and Protecting As Per Plan Sq.Yds.	Item L-9 Rest Area Seeding and Protecting As Per Plan Sq.Yds.	
RAMP "R", PARKING AREA N.B. AND RAMP "S"							
5+59	17+85	9,278	17,075	19,637	10,222	20,869	(Planimeter Area 75.2"²) (From Plan Sheet No. 288)
RAMP "U", PARKING AREA S.B AND RAMP "T"							
5+47	18+70	12,374	15,536	17,867	11,084	18,167	(Planimeter Area 65.4"²)
TOTALS		21,652	32,611	37,504	21,306	39,036	

ITEM E-11 WATER

Embankment + 15%
I-22 SUBBASE

37,504 Cu.Yds.
4,182
41,686 x 5 ÷ 1000 = 208.43 M-GALS.

TOTAL ITEM E-11 USE 209 M-GALS

ITEM I-127 DELINEATORS, AS PER PLAN

	Standard Type C-2	Standard Type C-3
TOTAL REST AREA RAMPS	53	2

ITEM L-3 PLACING STOCKPILED TOPSOIL

TOTAL ITEM L-3 4,623 Cu.Yds.

ITEM L-9 SEEDING AND PROTECTING, AS PER PLAN

REST AREA

Tabulation from E-1 (Roadway Exc.) 39,056 S.Y.

ITEM L-9 COMMERICAL FERTILIZER (12-12-12)

(S.Y. x 9 x 20/1000 ÷ 2000 = TONS)

Tabulation from L-9 Seeding 39,056 S.Y. = 3.52 Tons

TOTAL USE 4 TONS

ITEM L-9 AGRICULTURAL LIMING MATERIAL

(S.Y. x 9 x 100/1000 ÷ 2000 = TONS)

Tabulation from L-9 Seeding 39,056 S.Y. = 17.58 Tons

TOTAL USE 18 TONS

TABULATION — PIPE UNDERDRAIN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

STATION TO STATION		SIDE	I-1 LIN. FT.						I-5 EACH							REMARKS
			Class I-3	Class F-1				Class A-1	6"	6"	6"	6"x6"x6"	8"x8"x6"	8"x8"x6"	6"x8"	
			6" U Drain	6"U Drain	8"U Drain	6"*		8"Sec.M-6.6(b)	Bend	Bend	Bend	Wye	Tee	Wye	Increaser	
			Shallow	Deep	Outlet	Outlet		or M-6.8 (b)	45°	60°	90°					
104+50	114+95	N.B. Lt.	1045						1							
104+50	114+98	N.B. Rt.		1125		10						1				
105+00	113+98	S.B. Lt.		921	10							1				
105+00	113+98	S.B. Rt.	914		10							1				
115+02	133+00	N.B. Rt.		1870		10						1				
115+02	118+80	N.B. Lt.	393		10				1							
114+02	118+98	S.B. Rt.	511		10							1				
114+02	118+98	S.B. Lt.		520	10							1				
118+84	125+16	N.B. Lt.	649		10							1				
119+02	125+16	S.B. Rt.	631		10							1				
119+02	133+00	S.B. Lt.		1323	10							1				
125+20	133+00	N.B. Lt.	795		10				1							
125+20	133+00	S.B. Rt.	795		10				1							
133+00	141+98	N.B. Rt.	938			10						1				
133+00	141+98	N.B. Lt.	913		10							1				
133+00	141+80	S.B. Rt.	895		10				1							
133+00	138+70	S.B. Lt.	605			10			1							
138+74	142+50	S.B. Lt.	376													
142+50	161+25	S.B. Lt.		1915		10			1							
142+02	151+80	N.B. Lt.	992		10				1							
142+02	159+98	N.B. Rt.		1840		10						1				
141+84	151+80	S.B. Rt.	1010		10				1							
151+84	159+80	S.B. Rt.	810		10				1							
151+84	159+98	N.B. Lt.	828		10							1				
159+84	170+38	S.B. Rt.	1068		10							1				
160+02	170+38	N.B. Lt.	1050		10							1				
160+02	170+38	N.B. Rt.		1072		10						1				
161+29	167+51	S.B. Lt.		622												
170+40	186+65	S.B. Lt.	1595		10		20		1							
170+42	177+36	S.B. Rt.	698		10		10					1				
170+42	177+16	N.B. Lt.	678		10		10					1				
171+95	177+16	N.B. Rt.	506		5		10		1							
177+40	183+36	S.B. Rt.	600		10		10		1							
177+32	183+36	N.B. Lt.	608			10	10							1		
177+50	184+50	N.B. Rt.	690				10	36		1					1	
183+40	189+16	S.B. Lt.	590		10				1							
183+40	188+98	N.B. Lt.	572		10				1							
186+65	211+70	S.B. Lt.	2502			35							1			
189+02	206+10	N.B. Rt.	1783			20						2				
189+20	205+68	S.B. Rt.	1692		20				2							
189+02	206+04	N.B. Lt.	1770		20							2				
205+72	211+70	S.B. Rt.	598					30		1					1	
206+08	211+70	N.B. Lt.	562					30		1					1	
206+14	211+70	N.B. Rt.	556			40							1			
211+90	227+98	S.B. Lt.	1658			10						1				
211+90	220+16	S.B. Rt.	840		10							1				
211+90	212+46	N.B. Lt.	70		10							1				
211+90	212+46	N.B. Rt.	86			10				1						
212+50	220+16	N.B. Lt.	780		10							1				
212+50	230+00	N.B. Rt.	1780			10				1						
220+20	229+98	S.B. Rt.	992		10				1							
220+20	230+19	N.B. Lt.	1013		10				1							
228+00	229+98	S.B. Lt.	193		5				1							
230+08	239+05	S.B. Lt.	897		5				1							
230+02	239+23	S.B. Rt.	935		10							1				
230+23	240+11	N.B. Lt.	1002		10				1							
234+47	240+45	N.B. Rt.	598			10		70	1						1	
241+35	242+48	S.B. Lt.	187			10						1				
241+65	242+48	S.B. Rt.	127		10							1				
242+50	255+75	N.B. Lt.	1387		20				1			1				
242+80	249+50	N.B. Rt.	710									1				
242+52	248+53	S.B. Lt.	671			10						1				
242-52	255+98	S.B. Rt.	1405		20							2				
253+00	255+98	S.B. Lt.	334			10						1				
254+09	271+31	N.B. Rt.		1757		10						1				
256+02	264+96	S.B. Lt.		919	10							1				
256+02	264+96	S.B. Rt.	908		10							1				
255+83	264+78	N.B. Lt.	909		10				1							
265+04	273+46	S.B. Lt.		868	10							1				
265+04	273+46	S.B. Rt.	856		10							1				
264+82	273+46	N.B. Lt.	878		10							1				
271+40	279+96	N.B. Rt.	890			10	10					1				
273+54	279+96	S.B. Lt.		667	10							1				
273+54	279+96	S.B. Rt.	656		10							1				
273+54	279+96	N.B. Lt.	656		10							1				
280+04	287+96	S.B. Lt.		817	10							1				
280+04	287+96	S.B. Rt.	806		10							1				
280+04	287+79	N.B. Lt.	789		10				1							
280+04	301+30	N.B. Rt.		2171		10						1				
288+04	292+32	S.B. Lt.		453	10							1				
288+04	300+80	S.B. Rt.	1280		10		10		1							
287+83	293+03	N.B. Lt.	534		10											
292+41	308+35	S.B. Lt.		1660		10						1				
293+07	300+95	N.B. Lt.	788		5				1							
300+84	308+73	S.B. Rt.	815		10							1				
301+10	308+51	N.B. Lt.	796		10				1							
301+40	310+08	N.B. Rt.		913		10			1							
308+39	311+22	S.B. Lt.	338			10			1							
308+77	319+98	S.B. Rt.	1135		10							1				
308+55	319+78	N.B. Lt.	1137		10				1							
310+12	329+98	N.B. Rt.	2016			10						1				
311+26	319+98	S.B. Lt.	912			10						1				
319+82	329+98	N.B. Lt.	1030		10							1				
320+02	331+70	S.B. Lt.	1198			10			1							
320+02	329+98	S.B. Rt.	1010		10				1							
329+84	338+80	S.B. Rt.	810		10				1							

(Continued)

STATION TO STATION		SIDE	I-1 LIN. FT.						I-5 EACH							REMARKS
			Class I-3	Class F-1				Class A-1	6"	6"	6"	6"x6"x6"	8"x8"x6"	8"x8"x6"	6"x8"	
			6 U Drain	6"U Drain	8"U Drain	6"*		8"Sec.M-6.6(b)	Bend	Bend	Bend	Wye	Tee	Wye	Increaser	
			Shallow	Deep	Outlet	Outlet		or M-6.8(b)	45°	60°	90°					
330+02	338+80	N.B. Lt.	892		10				1							
330+02	338+50	N.B. Rt.	898			10			1							
331+74	336+60	S.B. Lt.	530			10			1							
336+64	339+00	S.B. Lt.	236													
338+54	342+25	N.B. Rt.	371													
338+84	348+77	S.B. Rt.	1007		10							1				
339+02	348+50	N.B. Lt.	960		10				1							
346+50	348+88	S.B. Lt.		273		10						1				
347+10	349+36	N.B. Rt.	246			10						1				
348+54	355+00	N.B. Lt.	660		10							1				
348+81	351+83	S.B. Rt.	314		10							1				
348+92	351+83	S.B. Lt.	351			10						1				
349+40	355+00	N.B. Rt.	580			10			1							
351+83	355+00	S.B. Lt.	377			10						1				
351+83	355+00	S.B. Rt.	327		10							1				
																REST AREA
3+12	7+75	Rt.	493			10						1				Ramp R
7+75	9+94	Lt.	220					50				1			1	" "
10+00	13+50	Rt	350		5				1							" " 13'Rt.
10+11	13+40	Rt.	330		5				1							" " 31'Rt.
14+20	15+80	Rt.	180			10						1				Ramp S
15+85	21+84	Rt.	624			10						1				" "
0+00	6+98	Lt.	738			10						1				Ramp U
7+02	8+86	Lt.	230			10						1				" "
8+86	16+43	Rt.	830			20			2							Ramps U & T
9+65	14+55	Lt.	480			20										" " "
16+43	19+26	Lt.	303			10						1				Ramp T
																MASSILLON RD. INTER.
0+02	1+96	Lt.	224			10						1				Ramp J
2+04	10+25	Lt.	891			20						2				" "
0+70	5+00	Rt.	442		10							1				Ramp K
5+00	14+42	Lt.	992			10			1							" "
0+68	9+25	Rt.	877			10						1				Ramp L
9+34	10+30	Rt.	136			10						1				" "
0+00	10+92	Rt.	1112			10			1							Ramp M
10+92	13+82	Lt.	315			10			1							" "
																ARLINGTON ST. INTER.
39+00	52+45	Lt.	1395			10						1				Ramp A
52+55	53+50	Rt.	150			10						1				" "
42+25	48+60	Rt.	675			10			1							Ramp C
48+64	53+65	Rt.	570			10			1							" "
53+65	62+15	Lt.	990			10						1				" "
GRAND TOTALS			89,326	21,706	720	635	100	216	49	1	4	79	2	1	5	

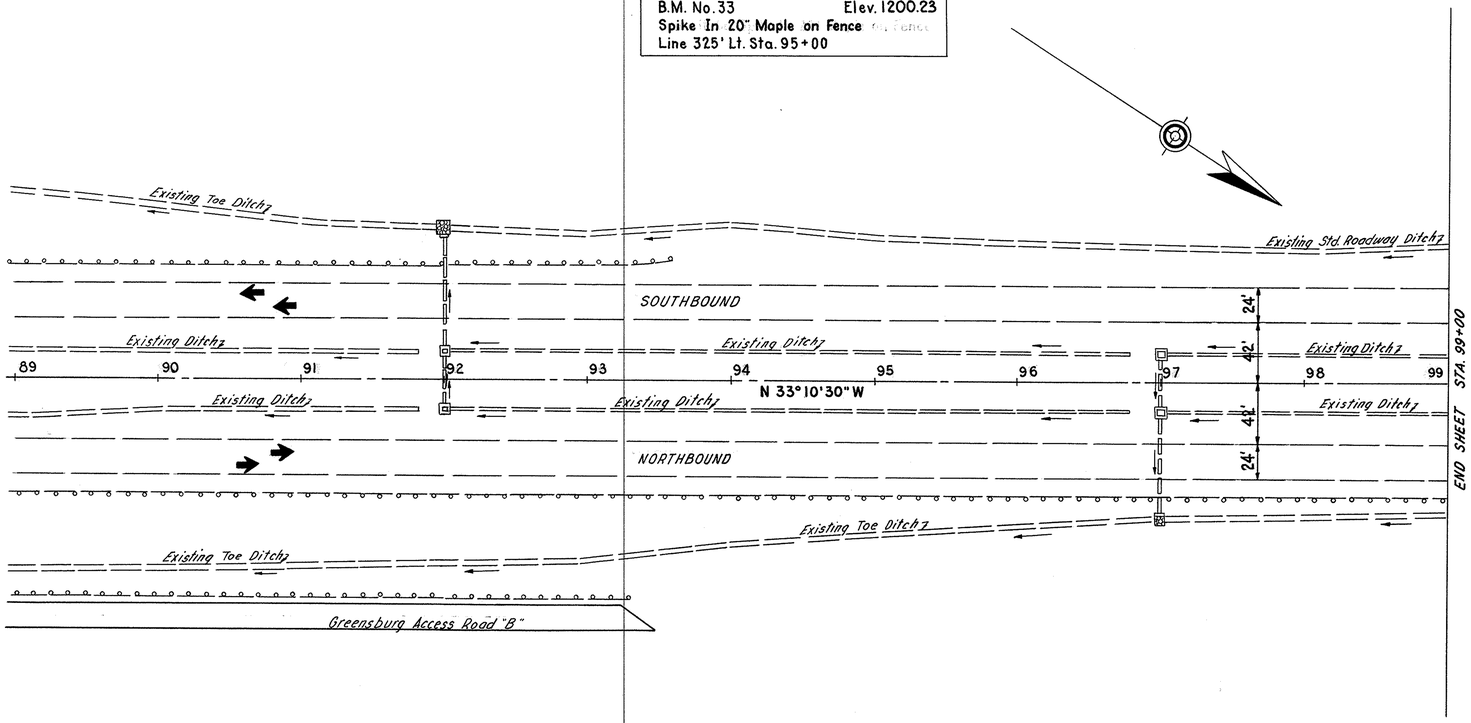
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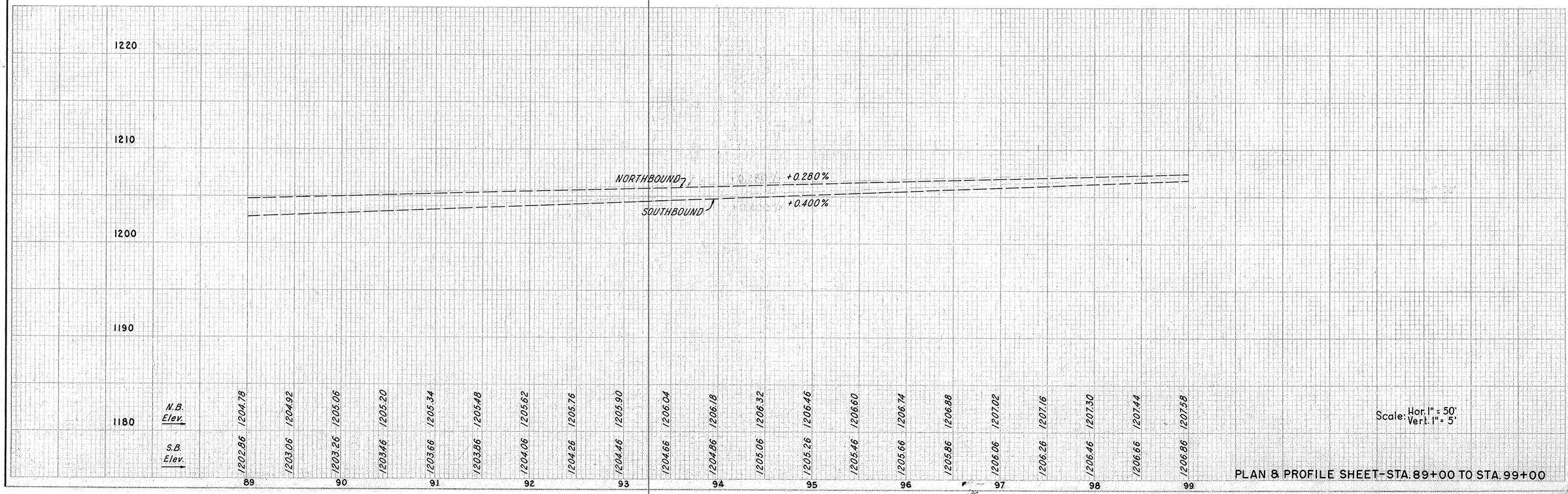
* For Culvert Crossing, See Sheet 190 For Details

FED. RD. DIVISION	STATE	PROJECT		21
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 33 Elev. 1200.23
Spike In 20" Maple on Fence
Line 325' Lt. Sta. 95+00





Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA. 89+00 TO STA. 99+00

FED. RD. DIVISION	STATE	PROJECT		22
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 34 Elev. 1214.09
Spike In Root 30" Twin
Red Oak 300' Lt. Sta. 107+50

BEGIN PROJECT & WORK
Sta. 100+00
SUM-8-1.89

I77-4(12)105

I77-4(17)113

Iron Pins

50'

150'

90°

109 110 111

P.O.T. Sta. 110+00

REFERENCE
P.O.T. STA. 110+00

BEGIN SHEET STA. 99+00

END SHEET STA. 110+00

NE¼ Section 26
NW¼ Section 25

Std. Roadway Ditch

6" I-1 Pipe

Marsh

SOUTHBOUND

NORTHBOUND

24"

42"

48"

24"

99 100 101 102 103 104 105 106 107 108 109 110

N 33°10'30" W

Std. Roadway Ditch

Note: The Proposed Ditches To Meet Those Of The Adjoining Project

For Detail of U-Turn Median Opening See Sheet No. 185

For Drainage Quantities See Sheet No 31

N.B. Elev.

S.B. Elev.

1207.26 1207.46 1207.66 1207.86 1208.06 1208.16 1208.24 1208.32 1208.39 1208.46 1208.51 1208.56 1208.60 1208.63 1208.65 1208.66 1208.66 1208.65 1208.63 1208.61 1208.57 1208.52 1208.47 1208.40 1208.33 1208.26 1208.18 1208.08

1207.86 1208.00 1208.14 1208.28 1208.42 1208.49 1208.55 1208.60 1208.64 1208.68 1208.71 1208.74 1208.76 1208.77 1208.77 1208.77 1208.75 1208.74 1208.71 1208.68 1208.65 1208.60 1208.54 1208.48 1208.41 1208.34 1208.27 1208.18 1208.08 1207.88 1207.68 1207.49 1207.29

1220 1210 1200 1190 1180

Northbound +0.280%
Southbound +0.400%

-0.394% N.B. & S.B.

P.C. Sta. 102+00

P.T. Sta. 108+00

Sta. 104+50 N.B. Lt.
Begin 6" I-1 Pipe F.L. 1204.29

Sta. 105+00 S.B. Rt.
Begin 6" I-1 Pipe F.L. 1204.14

Sta. 104+50 N.B. Rt.
Begin 6" I-1 Pipe F.L. 1202.28

Sta. 105+00 S.B. Lt.
Begin 6" I-1 Pipe F.L. 1202.13

N.B. & S.B.
P.I. Sta. 105+00
Elev. 1209.26
V.C. = 600'

BEGIN PROJECT & WORK
Sta. 100+00

12010 12010.8 12012.6 12015.7 12015.9 12013.6 12011.7 12011 12012.4 12013.0 12015.0 12015.1 12011.9

99 100 101 102 103 104 105 106 107 108 109 110

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA.99+00 TO STA.110+00

FED. RD. DIVISION	STATE	PROJECT		23
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 35 Elev. 1203.53
Spike In Root of 26" Gum
240' Lt. Sta. 119+50 Near Swamp

BEGIN SHEET STA. 110+00

END SHEET STA. 120+00

Std. Roadway Ditch

6"I-1 Pipe

SOUTHBOUND

NORTHBOUND

N 33°10'30" W

90°

Toe Ditch

7.0'

13.0'

1-10 Dumped Rock
Length = 20'
Width = 20'
Depth = 2.5'

NE 1/4 Section 26
NW 1/4 Section 25
NE 1/4 Section 26
SE 1/4 Section 23

Elev. 1201.7

Elev. 1201.9

O.E. Co. Tower #326

Edge of Earth Roadway

For Drainage Quantities
See Sheet No. 31

Sta. 114+02 S.B. Rt.
Begin 6"I-1 Pipe
F.L. 1201.43

Sta. 113+98 S.B. Rt.
End 6"I-1 Pipe
F.L. 1201.56

Sta. 113+80 S.B. Rt. & N.B. Lt.
F.L. 1201.50

Sta. 114+95 N.B. Lt.
Outlet 6"I-1 Pipe
End 6"I-1 Pipe
F.L. 1201.00

Sta. 115+02 N.B. Lt.
Begin 6"I-1 Pipe
F.L. 1201.13

-0.394%

Sta. 114+98 N.B. Rt.
End 6"I-1 Pipe
F.L. 1199.46

P.C. Sta. 117+00

P.I. Sta. 120+00
Elev. 1203.35
V.C. = 600'

Sta. 118+84 S.B. Rt.
Begin 6"I-1 Pipe
F.L. 1199.99

Sta. 118+80 S.B. Rt. & N.B. Rt.
F.L. 1200.00

Sta. 118+98 S.B. Rt.
End 6"I-1 Pipe
F.L. 1200.05

Sta. 119+02 S.B. Rt.
Begin 6"I-1 Pipe
F.L. 1199.93

Sta. 119+02 S.B. Lt.
Begin 6"I-1 Pipe
F.L. 1197.99

Sta. 113+84 N.B. Lt.
Begin 6"I-1 Pipe
F.L. 1201.49

Sta. 113+75 S.B. Lt.
F.L. 1199.50

Sta. 114+00 S.B. Rt. & N.B. Lt.
Outlet 6"I-1 Pipe
F.L. 1201.35

Sta. 113+98 S.B. Lt.
End 6"I-1 Pipe
F.L. 1199.70

Sta. 114+00 S.B. Lt.
Outlet 6"I-1 Pipe
F.L. 1199.00

Sta. 114+02 S.B. Lt.
Begin 6"I-1 Pipe
F.L. 1199.49

Sta. 114+30 N.B. Rt.
F.L. 1199.41

Sta. 114+90 N.B. Rt.
Outlet 8"I-1 Pipe
F.L. 1193.00

Sta. 115+70 N.B. Rt.
F.L. 1196.79

Sta. 115+10 N.B. Rt.
Outlet 8"I-1 Pipe
F.L. 1193.00

Sta. 115+02 N.B. Rt.
Begin 6"I-1 Pipe
F.L. 1199.20

Sta. 118+75 S.B. Lt.
F.L. 1198.07

Sta. 119+00 S.B. Rt. & N.B. Lt.
Outlet 6"I-1 Pipe
F.L. 1199.54

Sta. 119+25 S.B. Lt.
F.L. 1197.92

Sta. 119+00 S.B. Lt.
Outlet 6"I-1 Pipe
F.L. 1197.77

Sta. 118+98 S.B. Lt.
End 6"I-1 Pipe
F.L. 1198.12

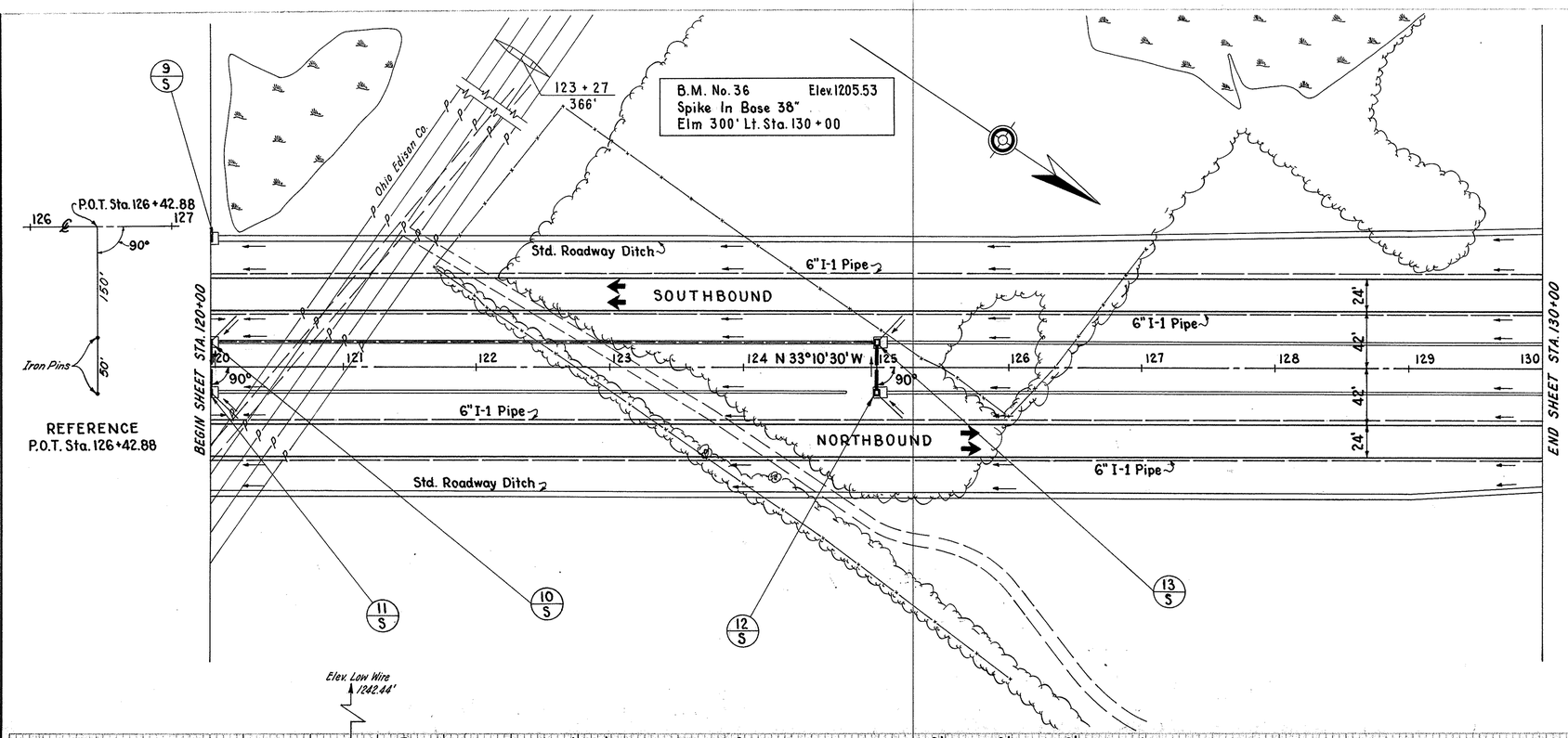
Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA. 110+00 TO STA. 120+00

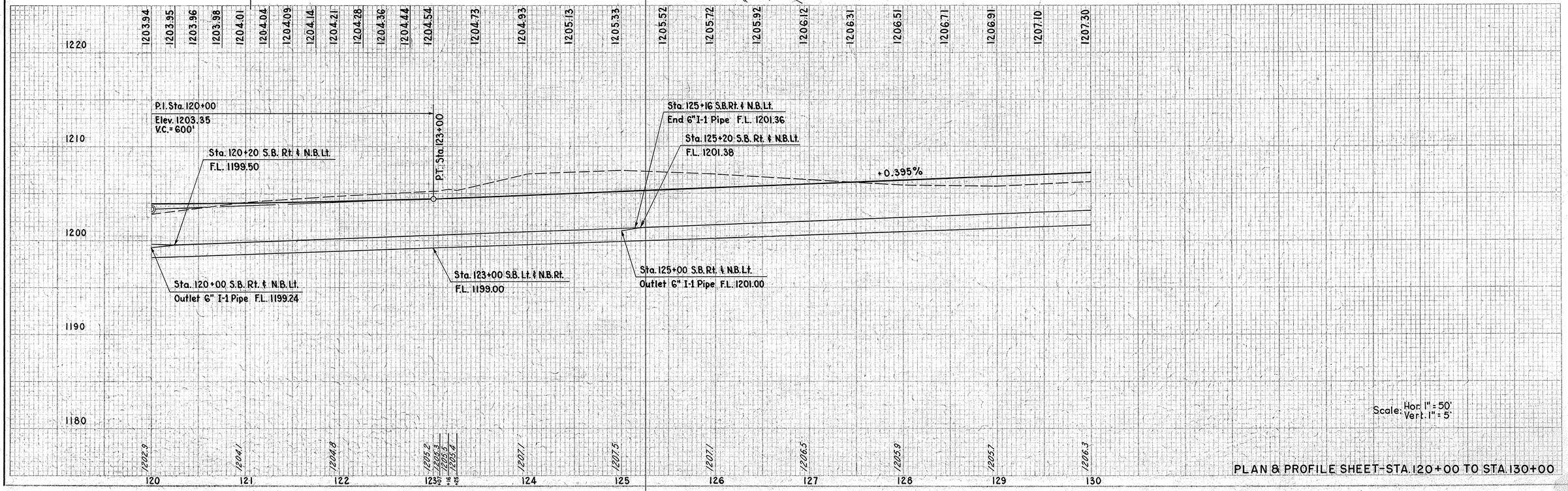
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

24

SUMMIT COUNTY
SUM-8-1.89



For Drainage Quantities
See Sheet No. 31



Scale: Hor. 1" = 50'
Vert. 1" = 5'

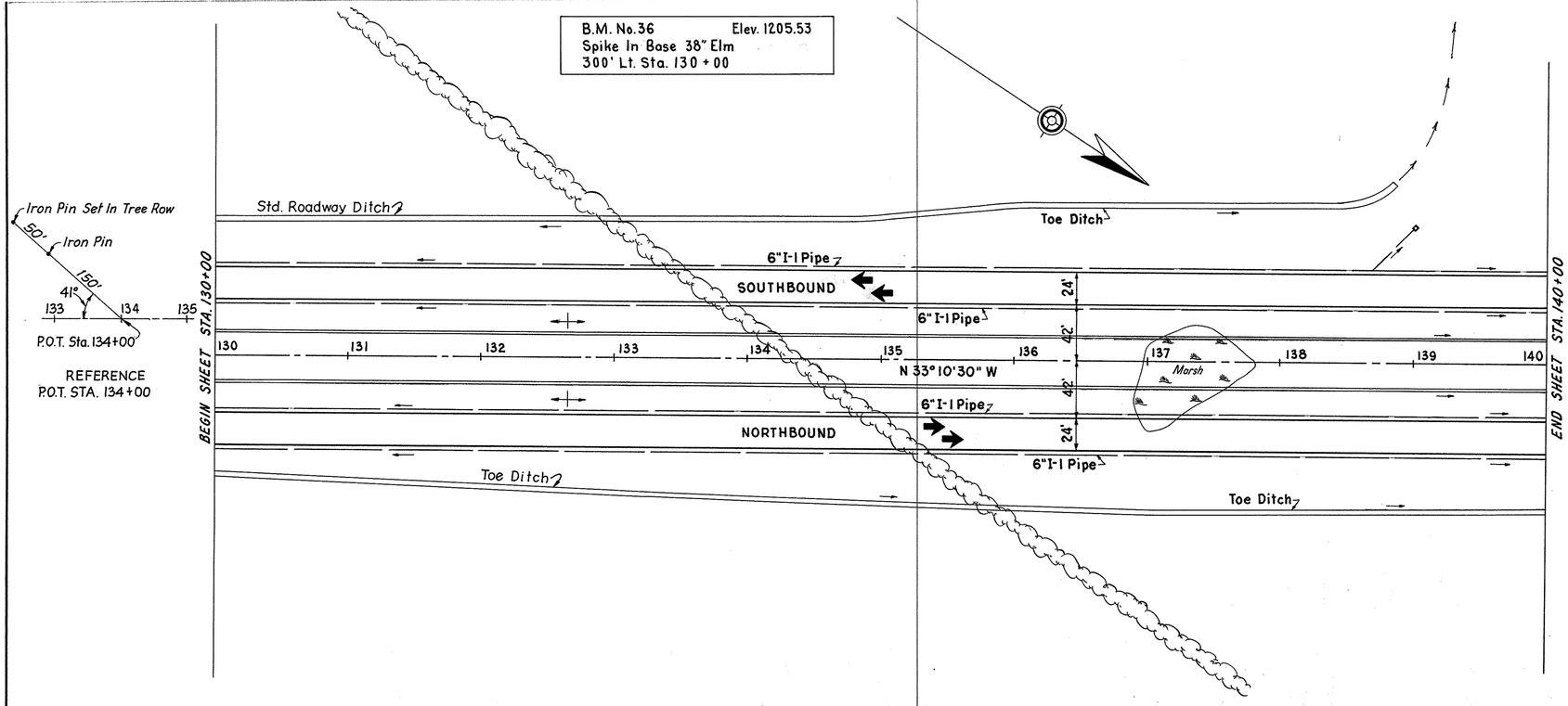
PLAN & PROFILE SHEET-STA. 120+00 TO STA. 130+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

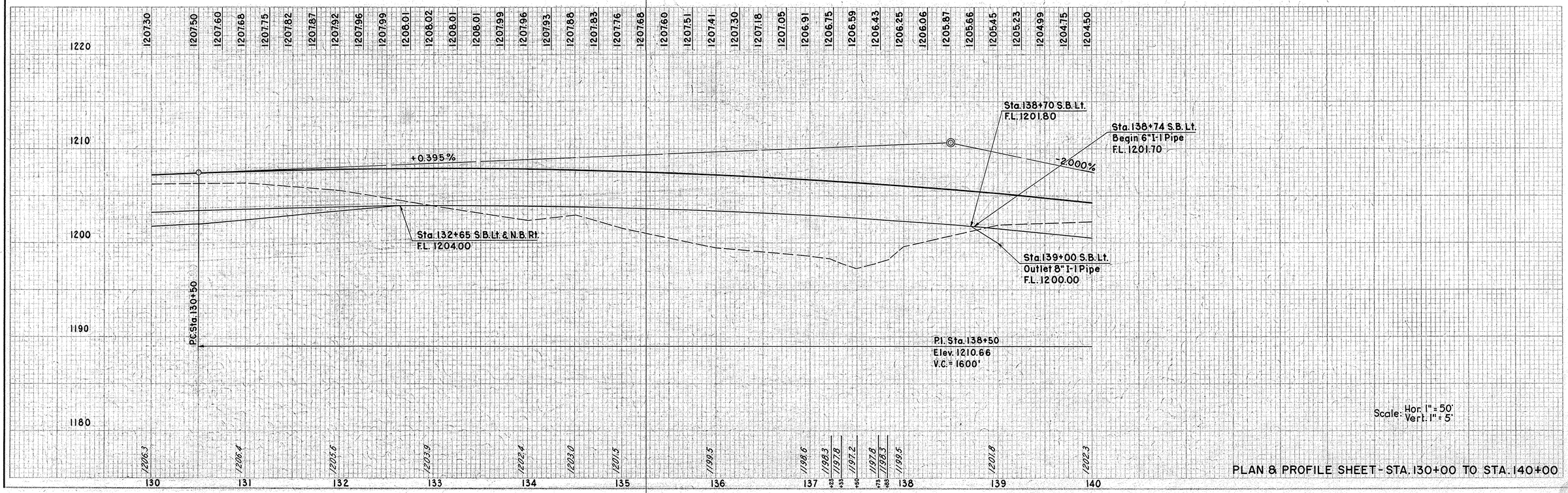
25

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 36 Elev. 1205.53
Spike In Base 38" Elm
300' Lt. Sta. 130+00



For Drainage Quantities
See Sheet No. 31



Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 130+00 TO STA. 140+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

26

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 37 Elev. 1200.67
Spike In Base of 30" Cherry
215' Lt. Sta. 141+85 Near Reference Point
for Sta. 142+00

Curve Data
Relocated Drive
P.I. Sta. 8+54.59
Δ = 27°25'51" Lt.
T = 24.41'
L = 47.88'
R = 100'

NOTE: ALL QUANTITIES REFERENCED TO WISE ACCESS RD. "A" DO NOT APPLY.

Iron Pins
50'
150'
79°
141 142 ℄ 143
P.O.T. Sta. 142+00

REFERENCE
P.O.T. Sta. 142+00

BEGIN WORK
Sta. 0+65

ϕ OBTCo. 92723
100' R
Relocated Drive
+64.59
Std. Roadway Ditch
Toe Ditch
P.C. Sta. 8+30.18
N 33°10'30" W
Relocated Drive

14 S
Toe Ditch
Std. Roadway Ditch
165.00
ϕ OCBCo. 92732
6" I-I Pipe
SOUTHBOUND
24'
42'
48'
24'
90°
140 141 142 143 144 145 146 147 148 149 150
N 33°10'30" W
+90
6" I-I Pipe
NORTHBOUND
ϕ OBTCo. 92721
6" I-I Pipe
Std. Roadway Ditch
Toe Ditch
16 S
15 S
BEGIN SHEET STA. 140+00
END SHEET STA. 150+00

I-10 Dumped Rock
Length = 6.0'
Width = 6.0'
Depth = 1.5'
Conform To
Shape of Ditch

1 GR
9 GR
8 GR
Sta. 12+50 Wise Road =
Sta. 0+00 Wise Access Rd. A
ϕ OBTCo. 92920
OBTCo. 6.042-371
R = 250
Sec. 25
T 3 N
R 5 W
N 56°36'05" E
WISE ACCESS ROAD "A"

Curve Data
WISE ACCESS ROAD "A"
P.I. Sta. 0+78.00
Δ = 63°12'31" Lt.
T = 61.53'
L = 110.32'
R = 100.00'
P.C. Sta. 0+16.47
P.T. Sta. 1+26.79

For Plan & Profile of Wise Road
See Sheets No. 28 & 29.
For Profile of Relocated Drive
See Sheet No. 30
For Profile of Wise Access Rd. A
See Sheet No 30
For Cross Sections of Relocated Dr.
See Sheets No. 83, 84 & 85
For Cross Sections of Wise Access Rd. A
See Sheets No. 85, 86 & 87

For Drainage Quantities
See Sheet No. 31

1204.50 1204.24 1203.97 1203.69 1203.40 1203.10 1202.79 1202.47 1202.14 1201.81 1201.46 1201.11 1200.74 1200.37 1199.99 1199.59 1199.19 1198.78 1198.36 1197.93 1197.49 1197.04 1196.59 1196.12 1195.64 1195.16 1194.66 1193.66 1192.66 1191.66 1190.66 1189.66 1188.66 1187.66

1210
1200
1190
1180
1170

Sta. 141+84 SB Rt.
Begin 6" I-I Pipe FL. 1198.40
Sta. 141+98 NB Rt.
End 6" I-I Pipe FL. 1198.81
Sta. 141+98 NB Lt.
End 6" I-I Pipe FL. 1198.60
Sta. 142+02 NB Lt.
Begin 6" I-I Pipe FL. 1198.20
Sta. 141+80 SB Rt. & NB Lt.
FL. 1198.50
Sta. 141+60 NB Rt.
FL. 1198.70
Sta. 141+95 NB Rt.
Outlet 8" I-I Pipe
FL. 1196.50
Sta. 142+00 SB Rt. & NB Lt.
Outlet 6" I-I Pipe FL. 1197.78
Sta. 142+50 SB Lt & NB Rt.
FL. 1197.50
P.I. Sta. 138+50
Elev. 1210.66
V.C. = 1600'
-2.000%
P.T. Sta. 146+50

1198.07 1198.0 1197.7 1197.7 1193.37

1202.3 1200.2 1199.2 1198.6 1198.6 1199.4 1198.6 1197.7 1198.6 1198.4 1200.1 1201.0 1202.6 1201.3 1201.3 1201.0

140 141 142 143 144 145 146 147 148 149 150

ITEM I-15 GUARD RAIL LIN. FT.								
Ref. No.	Station to Station	Side	100% State Participation		Steel Beam (Deep)		Temp. Guard Rail	Guard Rail Removed & Stored
			Steel Beam (Deep)		Standard Type	Std. Type With Steel Posts		
			Standard Type	Barrier Type				
1-GR	149+00-150+37.5	Rt.	75.0'		62.5'			

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 140+00 TO STA. 150+00

FED. RD. DIVISION	STATE	PROJECT		27
2	OHIO			

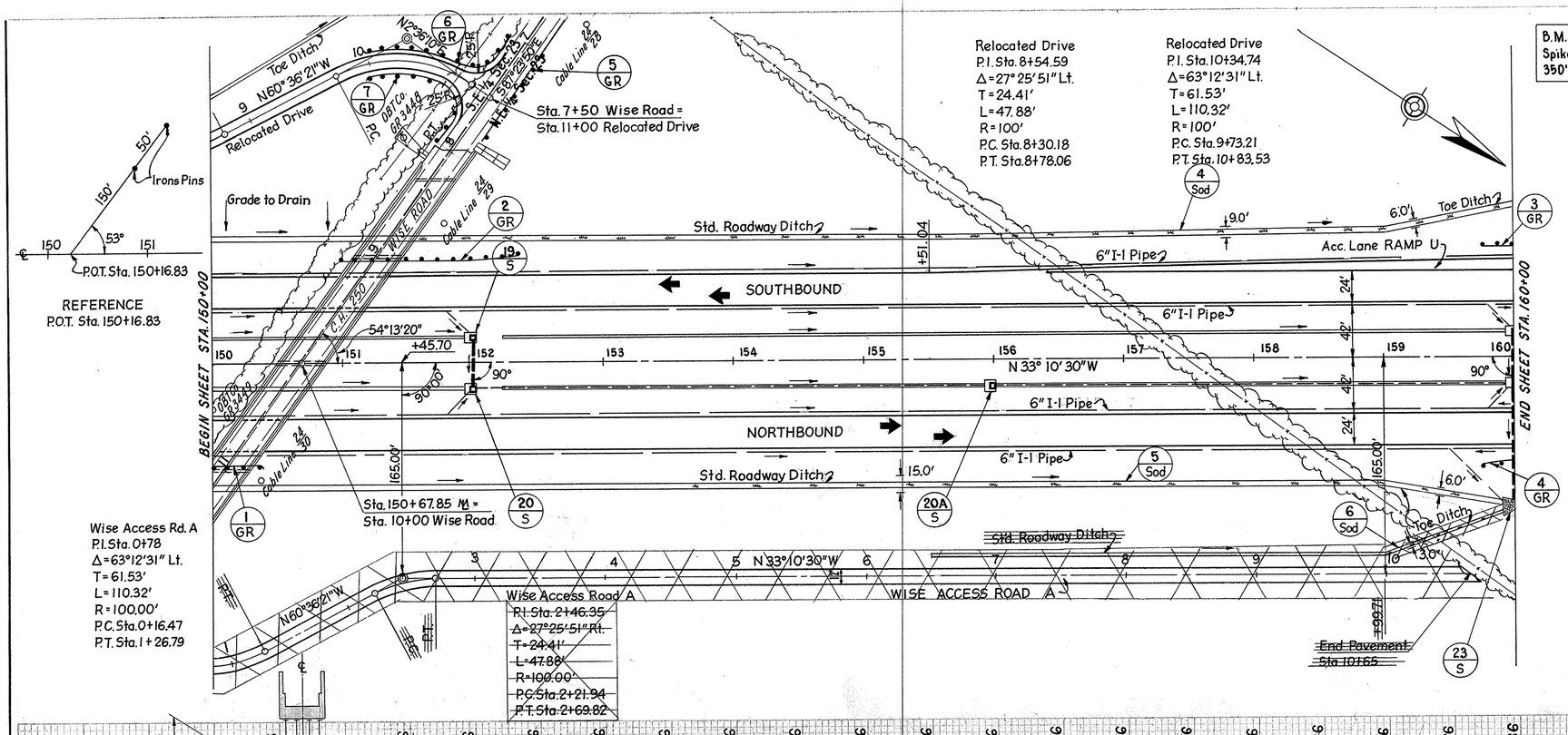
SUMMIT COUNTY
SUM - 8 - 1.89

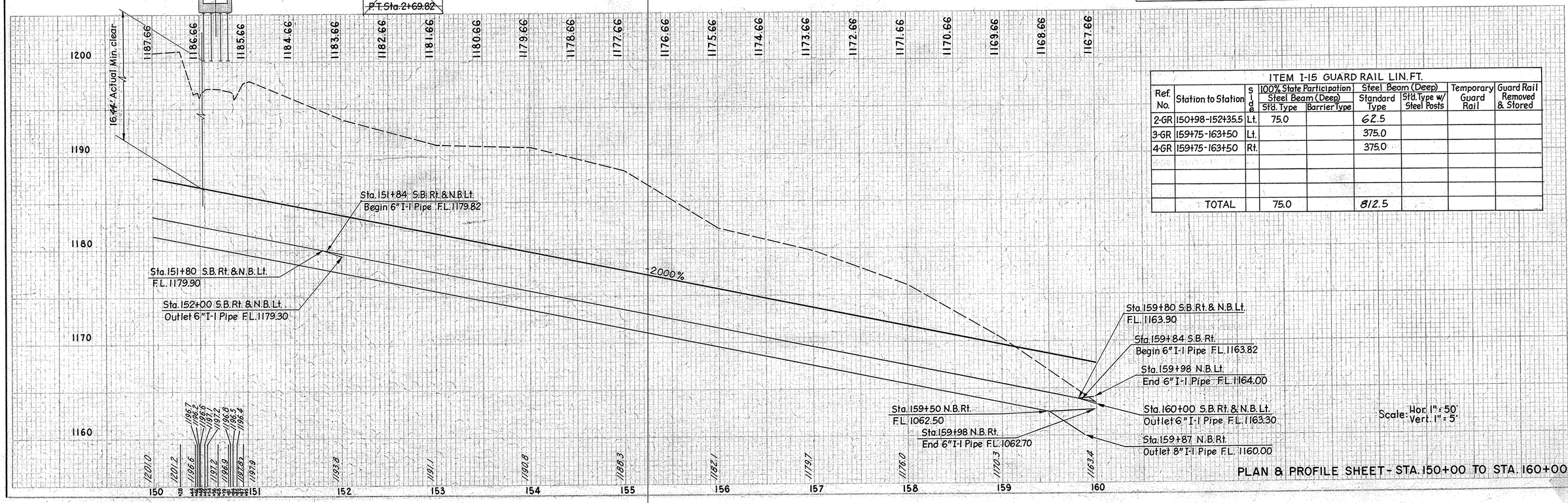
B.M. No. 38 Elev. 1196.87
Spike In Base of 36" White Ash
350' Lt. Sta. 150+50 South Side Wise Road

NOTE: ALL QUANTITIES REFERENCED TO WISE ACCESS ROAD "A" DO NOT APPLY.

For Drainage Quantities
See Sheet No. 31

For Profile of Relocated Drive
See Sheet No. 30
For Profile of Wise Access Rd. "A"
See Sheet No. 30
For Cross Section of Relocated Drive
See Sheets 83, 84 & 85
For Cross Sections of Wise Access Rd. "A"
See Sheets 85, 86 & 87
For Plan & Profile of Wise Rd.
See Sheets No. 28 & 29





ITEM I-15 GUARD RAIL LIN. FT.

Ref. No.	Station to Station	Side	100% State Participation		Steel Beam (Deep)		Temporary Guard Rail	Guard Rail Removed & Stored
			Steel Beam (Deep)		Standard Type	Std. Type w/ Steel Posts		
			Std. Type	Barrier Type				
2-GR	150+98-152+35.5	Lt.	75.0		62.5			
3-GR	159+75-163+50	Lt.			375.0			
4-GR	159+75-163+50	Rt.			375.0			
	TOTAL		75.0		812.5			

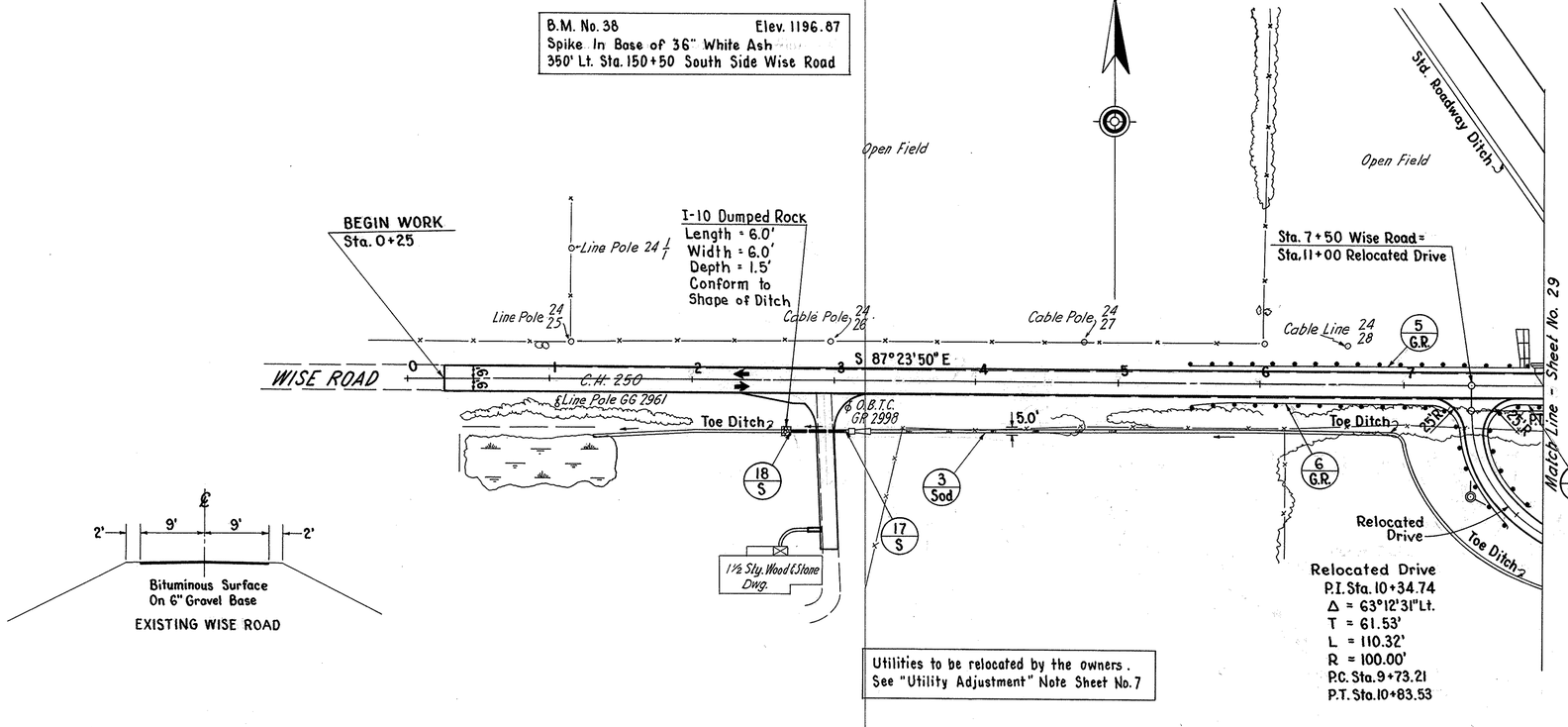
PLAN & PROFILE SHEET - STA. 150+00 TO STA. 160+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

28

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 38 Elev. 1196.87
Spike In Base of 36" White Ash
350' Lt. Sta. 150+50 South Side Wise Road



Relocated Drive
P.I. Sta. 10+34.74
Δ = 63°12'31" Lt.
T = 61.53'
L = 110.32'
R = 100.00'
P.C. Sta. 9+73.21
P.T. Sta. 10+83.53

Utilities to be relocated by the owners.
See "Utility Adjustment" Note Sheet No. 7

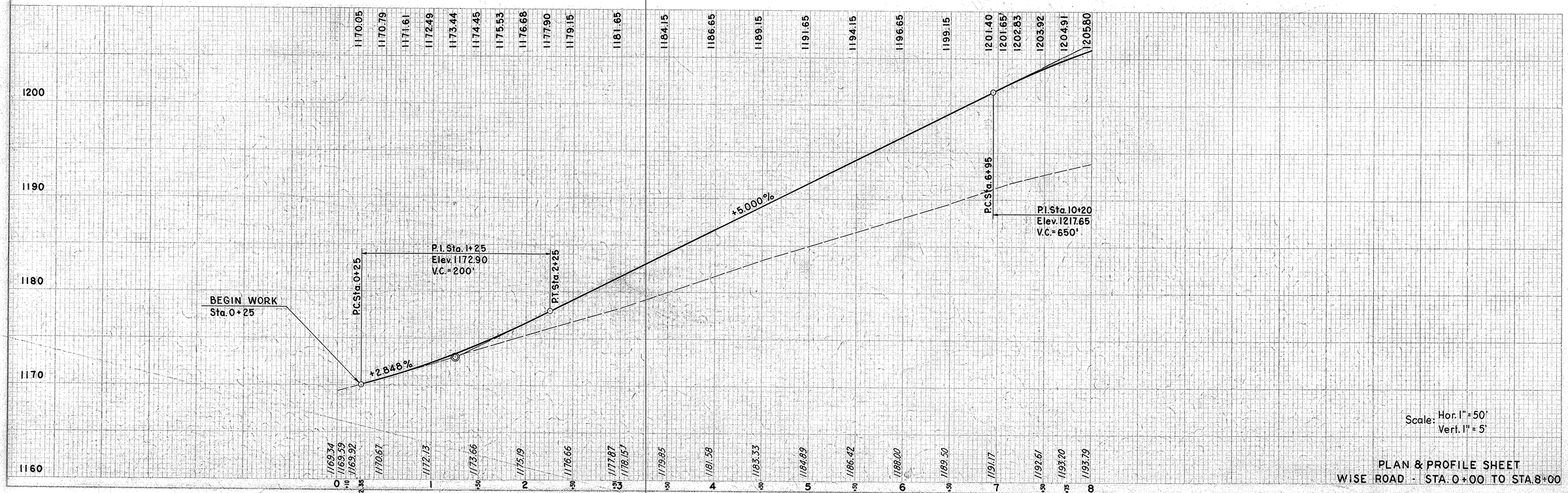
ITEM 1-15 GUARD RAIL LIN. FT.					
Ref. No.	Station to Station	Side	Steel Beam (Deep)		Remarks
			Standard Type	Standard Type With Steel Posts	
5 G.R.	5+52.5 to 7+90	Lt.	237.5		
6 G.R.	5+50 Wise Rd. to 10+00 Relocated Drive	Rt.	275.0		
7 G.R.	10+00 Reloc. Drive to 8+18 Wise Rd.	Rt.	75.0		
TOTAL			587.5		

DRIVES & MAILBOX APPROACHES					
Station	Side	E-1 Roadway		T-35 2" C.Y.	I-18 6" C.Y.
		Exc. C.Y.	Emb. C.Y.		
2+92	Rt.	–	72	11	33

ITEM I-13 4" CONCRETE SIDEWALK				
Station to Station	Length	Width	Sq. Ft.	Remarks
2+80 to 2+90	10.0	5.0	50.0	Rt.

For Profile of Relocated Drive
See Sheet No. 30
For Cross Sections of Wise Rd.
See Sheet No. 140 to 144

For Drainage Quantities
See Sheet No. 31



Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET
WISE ROAD - STA. 0+00 TO STA. 8+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

29

SUMMIT COUNTY
SUM-8-1.89

Wise Access Road "A"
P.I. Sta. 2+46.35
Δ = 27° 25' 51" Rt.
T = 24.41'
L = 47.88'
R = 100.00'
P.C. Sta. 2+21.94
P.T. Sta. 2+69.82

B.M. No. 38 Elev. 1196.87
Spike In Base of 36" White Ash
350' Lt. Sta. 150+50 South Side Wise Road

End Approach Slab
Sta. 11+99.27

Wise Access Road "A"
P.I. Sta. 0+78
Δ = 63° 12' 31" Lt.
T = 61.53'
L = 110.32'
R = 100.00'
P.C. Sta. 0+16.47
P.T. Sta. 1+26.79

Nail & Flasher in P.P. No. 82484
Nail in Tele. Pole No. 24/34
℄ Wise Rd.
63.54'
89.04'
39.91'
18
19
Sta. 18+43.96
Nail in Pole No. GR 182

REFERENCE
P.O.T. Sta. 18+43.96

END WORK
Sta. 17+00

Sta. 150+67.85 M = Sta. 10+00 Wise Road

Sta. 12+50 Wise Road = Sta. 0+00 Wise Access Rd. "A"

Begin Approach Slab
Sta. 8+00.73

Match Line Sheet No. 28

WISE ROAD C.H. 250

S 87° 23' 50" E

Cable Line 24 29
Cable Line 24 30
Cable Line 24 31
Cable Line 24 32
Cable Line 24 33

Std. Roadway Ditch

GR 2370

No Mark

O.B.I.Co. GR 3448
O.B.I.Co. GR 3449
O.B.I.Co. GR 2371
O.B.I.Co. 92920

Grade To Drain

Conc. Pipe

Relocated Drive
P.I. Sta. 8+54.59
Δ = 27° 25' 51" Lt.
T = 24.41'
L = 47.88'
R = 100'

Relocated Drive

Sta. Roadway Ditch

Toe Ditch

P.T. Sta. 8+78.06
P.C. Sta. 8+30.18

SOUTHBOUND
NORTHBOUND
N 33° 10' 30" W

Possible Mine Shaft in this Area Sta. 16+00 to Sta. 18+00

Open Field

For Drainage Quantities See Sheet No. 31

DRIVES & MAIL BOX APPROACHES

Station	Side	E-1 Roadway Exc. C.Y.	E-1 Roadway Emb. C.Y.	T-35 2" C.Y.	I-18 6" C.Y.
13+35	Rt.	—	66	9	25

For Profile of Wise Access Rd. "A" See Sheet No. 30
For Cross Sections of Wise Road See Sheet No. 140 to 144
For Profile of Relocated Drive See Sheet No. 30

ITEM I-15 GUARD RAIL LIN. FT.

Ref. No.	Station to Station	Side	Steel Beam (Deep) Standard Type	Steel Beam (Deep) Standard Type With Steel Posts	Remarks
8 GR	11+82 - 12+19.5	Lt.	37.5		
9 GR	12+09 - 12+84	Rt.	75.0		
TOTAL			112.5		

BRIDGE NO. SUM-8-0285
UNDER WISE ROAD

TYPE: Continuous, welded plate girder with reinf. conc. deck and substructure.
SPANS: 71'-100.5'-71' c/c bearings.
ROADWAY: 24'-0" f/f 2'-3" safety curbs.
LOAD FREQUENCY: CF = 30 (57)
SKEW: 35° 46' 40" R.F.
WEARING SURFACE: ½" monolithic concrete.
APPROACH SLABS: Special (25' long).
ALIGNMENT: Tangent

See Sheets No. 230 to 237

Bridge Limits
Sta. 8+25.73
Sta. 11+74.27
+5.000%
-5.000%
-2.96%
V.C. 650'
P.I. Sta. 10+20
Elev. 1217.65
16.5' Actual Clear.
P.C. Sta. 15+00
P.I. Sta. 13+45
V.C. 200'
P.I. Sta. 16+00
Elev. 1188.65
P.T. Sta. 17+00
END WORK
Sta. 17+00

1210
1200
1190
1180

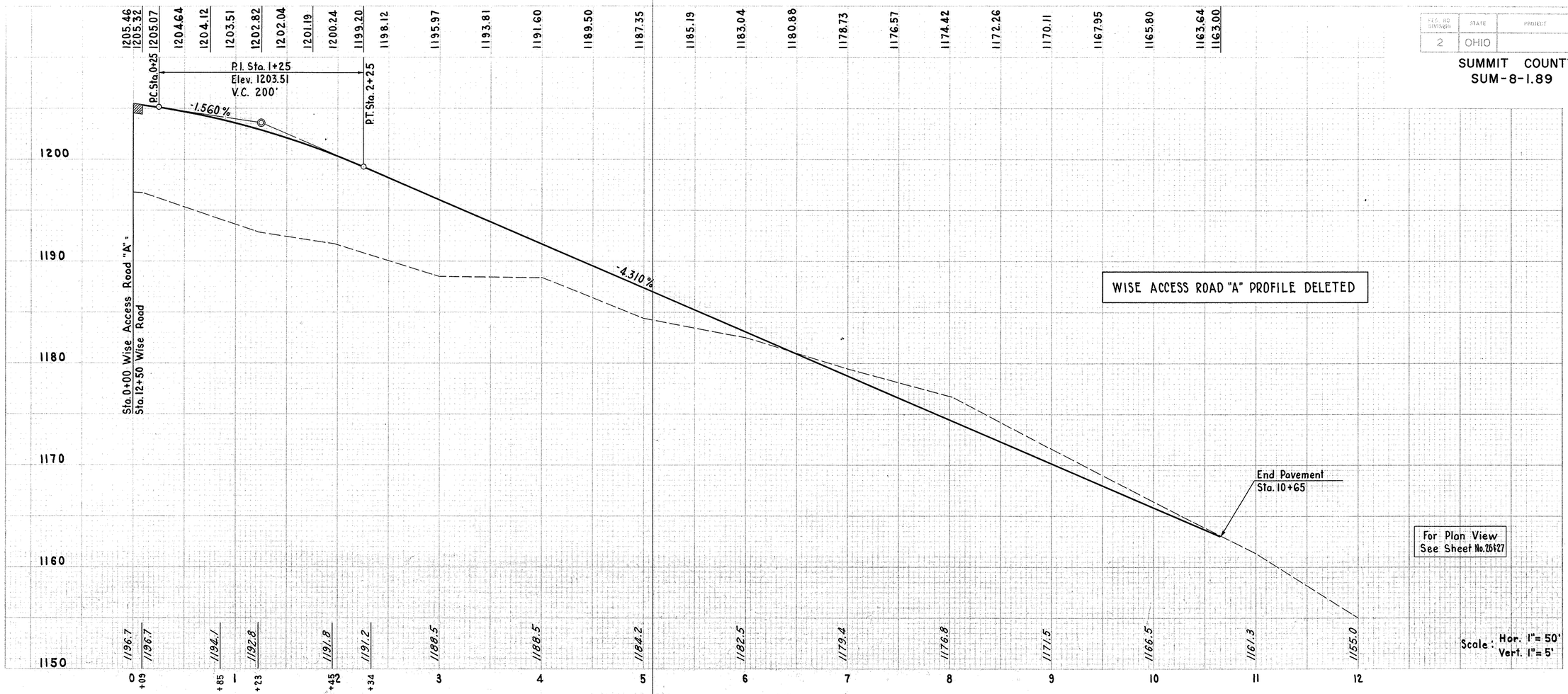
Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET
WISE ROAD - STA. 8+00 TO STA. 17+00

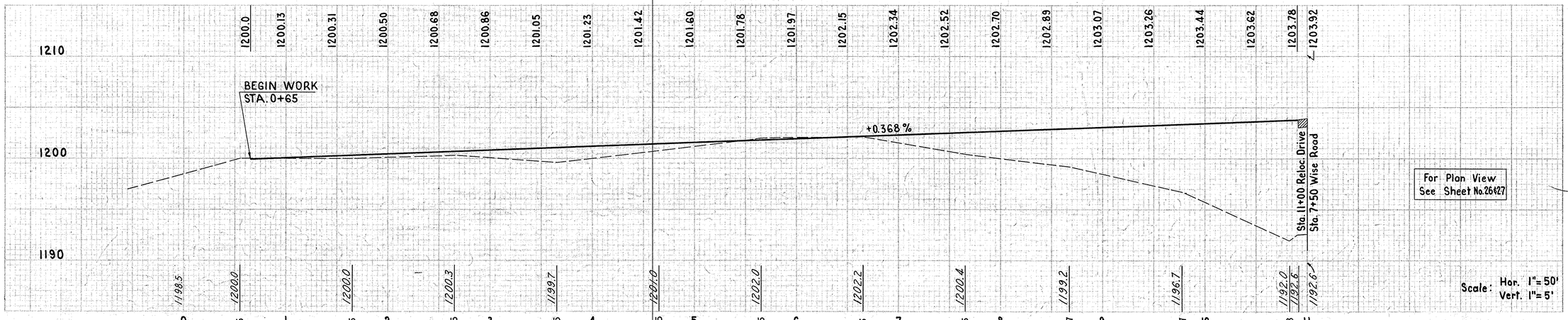
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WISE ACCESS ROAD "A"



RELOCATED DRIVE

PROFILE SHEET – RELOCATED DRIVE
PROFILE SHEET – WISE ACCESS ROAD A

FED. RD. DIVISION	STATE	PROJECT	
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SUB - SUMMARY

SEE SHEET NO.		REF. NO.		STATION TO STATION		SIDE	I-1 LIN. FT.												I-2 C.Y.	I-8 EACH				I-10 C.Y.			L-10 S.Y.		E-12 LIN.FT.				REMARKS	SEE SHEET NO.	
							CLASS A-1						CLASS E-1			CLASS B-1											SODDING		PIPE REMOVAL						
								18" M-6.6(a) or M-6.8(b)		15" M-6.6(a) or M-6.8(b)	30" M-6.6(b) or M-6.8(b)		15"	15" M-6.6(b) or M-6.8(b)	24" M 6.6(b) or M-6.8(b)	15"		Masonry Class "C"	Std. No.2-2-A (Mod) C.B.	Std. No. 5 C.B.	Std. No. 8 C.B.	Std. No. 1 M.H.	Dumped Rock Channel			For Ditches	For Slope And Berm Protection	15" And Under						
Plan	Profile	From	To	From	To																												Plan	Profile
		1 S	2 S	114 + 00	114 + 00	Lt. & Rt.				76											1												
		3 S	2 S	114 + 00	114 + 00	Rt. & Lt.								38							1												
		3 S	4 S	114 + 00	115 + 00	Lt. & ℄								102								1											
23	209	4 S	5 S	115 + 00	115 + 00	℄ & Rt.					92								0.51				37.0										23	209
		4 S	7 S	115 + 00	119 + 00	℄ & Lt.									404							1											
		6 S	7 S	119 + 00	119 + 00	Lt.		76													1												
		8 S	7 S	119 + 00	119 + 00	Rt. & Lt.							38									1											
23 & 24		6 S	9 S	119 + 00	120 + 00	Lt.							100								1											23 & 24	210
	210	7 S	10 S	119 + 00	120 + 00	Lt.							100									1											209
	209	11 S	10 S	120 + 00	120 + 00	Rt. & Lt.							38									1										24	
24		10 S	13 S	120 + 00	125 + 00	Lt.							500									1											210
		12 S	13 S	125 + 00	125 + 00	Rt. & Lt.							38									1										26	
26		14 S	15 S	142 + 00	142 + 00	Lt. & Rt.							38									2											
	210	15 S	16 S	142 + 00	142 + 00	Rt.				82									0.26				2.0									
28		18 S	17 S	2 + 70	3 + 10	Rt.										42				1			2.0								Wise Road	28	
27		19 S	20 S	152 + 00	152 + 00	Lt. & Rt.							38									2											
		20 S	20 aS	152 + 00	156 + 00	Rt.							400									1										27	
		20 aS	22 S	156 + 00	160 + 00	Rt.							400									1											
23		NA	1 Sod	112 + 00	113 + 25	Rt.																				97						23	
		NA	2 Sod	115 + 00	116 + 00	Rt.																				145							
28		Wise Rd.	3 Sod	3 + 10	5 + 30	Rt.																				122						28	
		NA	5 Sod	153 + 70	159 + 90	Rt.																				945							
27		NA	4 Sod	151 + 50	159 + 00	Lt.																				750						27	
		NA	6 Sod	159 + 00	159 + 90	Rt.																				30							
27 & 32		NA	4 Sod	159 + 00	161 + 70	Lt																				180						27 & 32	
29		Wise Rd.	1 R	13 + 35		Rt.																						35				29	
28				7 + 95		Lt.																					18					Wise Road	28	
				8 + 20		Rt.																					28					Wise Road		
29				11 + 80		Lt.																					18					Wise Road	29	
				12 + 10		Rt.																					18					Wise Road		
							76			158	92		1690	140	404	42			0.77	1	3	14	1	41.0			2269	82	35					

FED. RD. DIVISION	STATE	PROJECT	
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SUMMIT COUNTY
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Iron Pins
50.5
150'
90°
164 165 166
P.O.T. Sta. 164+98.30

REFERENCE
P.O.T. Sta. 164+98.30

BEGIN SHEET STA. 160+00

B.M. No. 39 Elev. 1152.61
Spike in 24" Elm
300' Lt. Sta. 162+00

Pump House
Gas Well
Oil Pond
Relief Valve
Pump House

21 S
4 Sod
6.0'
Toe Ditch
24 S
3 G.R.
Toe Ditch
Std. Roadway Ditch
6"I-1 Pipe
Sta. 167+51.04-91' Lt.=
Sta. 0+00 Ramp U
RAMP U
SOUTHBOUND
6"I-1 Pipe
24'
42'
160 161 162 163 164 165 N 33°10'30"W 166 167 168 169 170
90°
84°
42'
6"I-1 Pipe
NORTHBOUND
24'
RAMP R
12'
+86.81
+86.81
6"I-1 Pipe
END SHEET STA. 170+00
23 S
22 S
4 G.R.
I-10 Dumped Rock
Length = 185.0'
Width = 9.0'
Depth = 1.5'
25 S
I-10 Dumped Rock
Length = 25.0'
Width = 8.0'
Depth = 2.5'
Conform To
Shape of Ditch
I-10 Dumped Rock
Length = 20.0'
Width = 6.0'
Depth = 2.5'
Conform To
Shape of Ditch
Conc. Sill
See Detail
Sheet No. 190
Sta. 167+33.46-78' Rt.=
Sta. 0+00 Ramp R

For Plans & Profiles of Rest Area
See Sheets No. 264 to 296

For Drainage Quantities
See Sheet No. 36

1167.66 1166.66 1165.66 1164.66 1163.66 1162.66 1161.66 1160.66 1159.66 1159.17 1158.70 1158.25 1157.82 1157.40 1157.01 1156.64 1156.29 1155.95 1155.64 1155.34 1155.07 1154.81 1154.57 1154.36 1154.16 1153.99 1153.82 1153.69 1153.57 1153.47 1153.39 1153.33 1153.29

1170
1160
1150
1140
1130

Sta. 160+02 N.B. Lt.
Begin 6"I-1 Pipe
F.L. 1163.46

Sta. 161+29 S.B. Lt.
Begin 6"I-1 Pipe
F.L. 1158.92

-2.000%

P.C. Sta. 164+00

P.I. Sta. 168+00
Elev. = 1151.66
V.C. = 800'

+0.500%

Sta. 160+02 N.B. Rt.
Begin 6"I-1 Pipe
F.L. 1161.46

Sta. 161+25 S.B. Lt.
F.L. 1159.00

Sta. 161+60 S.B. Lt.
Outlet 8"I-1 Pipe
F.L. 1147.00

1163.4 1156.5 1153.9 1155.6 1144.3 1144.8 1144.9 1145.0 1148.3 1148.9 1149.3 1156.4 1159.0 1166.4 1153.1 1152.8 1153.0 1152.0 1150.8 1151.1 1151.4 1152.1 1152.3 1151.9 1152.2 1152.5

160 161 +54 162 163 164 165 166 167 168 169 170

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA.160+00 TO STA.170+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
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B.M. No. 40 Elev. 1155.37
Spike In 24" Beech
320' Lt. Sta. 175+50 on Fence Line

BEGIN SHEET STA. 170+00

END SHEET STA. 180+00

REST AREA

RAMP U

RAMP R

SOUTHBOUND

NORTHBOUND

2" Gas Line "2041"

6" I-I Pipe

Toe Ditch

90° Tan To Curve

74° Tan To Curve

75°30' Tan to Curve

N 33°10'30"W

86°30'

90°

El. 1052.3

I-10 Dumped Rock
Length = 6.0'
Width = 6.0'
Depth = 1.5'
Conform to Shape of Ditch

I-10 Dumped Rock
Length = 20'
Width = 7.0'
Depth = 2.5'
Conform to Shape of Ditch

I-10 Dumped Rock
Length = 6.0' Width 6.0' Depth 1.5'
Conform to Shape of Ditch

I-10 Dumped Rock
Length = 20'
Width = 15
Depth = 2.5'
Conform to Shape of Ditch

I-10 Dumped Rock REST AREA
Length 25', Width 8', Depth 1.5'
Conform to Shape of Ditch

For Drainage Quantities
See Sheet No. 36

For Rest Area Plans & Profiles
See Sheets No. 264 to No. 296.

Utilities to be relocated by the owners
See "Utility Adjustment Note"
Sheet No. 7

V.C. 800'
P.I. Sta. 168+00
El. 1151.66
P.I. Sta. 172+00

Sta. 170+40 S.B. Rt. & N.B. Lt.
Outlet 6" I-I Pipe F.L. 1149.05

Sta. 170+38 S.B. Rt. & N.B. Lt.
End 6" I-I Pipe F.L. 1149.20

Sta. 170+42 S.B. Rt. & N.B. Lt.
Begin 6" I-I Pipe F.L. 1149.20

Sta. 171+85 N.B. Rt.
F.L. 1149.50

+0.500%

Sta. 170+20 S.B. Rt. & N.B. Lt.
F.L. 1149.10

Sta. 170+60 S.B. Rt. & N.B. Lt.
F.L. 1149.10

Sta. 172+00 S.B. Rt. & N.B. Lt.
F.L. 1149.50

Sta. 170+30 N.B. Rt.
Outlet 8" I-I Pipe F.L. 1147.60

Sta. 171+95 N.B. Rt.
Outlet 6" I-I Pipe F.L. 1149.00

Sta. 170+38 N.B. Rt.
End 6" I-I Pipe F.L. 1148.10

Sta. 4+54.43 Rt. Ramp R
F.L. 1148.75

Sta. 170+42 N.B. Rt.
Begin 6" I-I Pipe F.L. 1148.10

Sta. 170+75 N.B. Rt.
F.L. 1148.00

Sta. 170+45 N.B. Rt.
Outlet 8" I-I Pipe F.L. 1147.60

Sta. 177+40 S.B. Rt.
F.L. 1152.20

Sta. 177+50 N.B. Rt.
Begin 6" I-I Pipe F.L. 1152.25

Sta. 177+32 N.B. Rt.
Begin 6" I-I Pipe F.L. 1152.20

Sta. 177+18 S.B. & N.B. Lt. & Rt.
Outlet 6" & 8" I-I Pipe F.L. 1151.89

Sta. 177+16 N.B. Lt. & Rt.
End 6" I-I Pipe F.L. 1152.10

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 170+00 TO STA. 180+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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I-10 Dumped Rock
Length = 20'
Width = 10'
Depth 2.5'
Conform To
Shape of Ditch

REST AREA

B.M. No. 41 Elev. 1161.75
Spike In 24" Ash
260' Lt. Sta. 185 + 00

6"I-1 Pipe
2"Gas Line
RAMP T
Toe Ditch
Std. Roadway Ditch
SOUTHBOUND
NORTHBOUND
N 33° 10' 30" W
RAMP S
Channel Change
REST AREA

BEGIN SHEET STA. 180+00

END SHEET STA. 190+00

I-10 Dumped Rock
Length = 6.0'
Width = 6.0'
Depth = 1.5'
Conform to
Shape of Ditch

Sta. 189+52.9 91' Rt. Ramp S
Sta. 22+36.68

For Drainage Quantities
See Sheet No. 36

For Rest Area Plans & Profiles
See Sheets No. 264 to 296

Sta. 183+36 S.B. Rt. & N.B. Lt.
End 6" I-1 Pipe F.L. 1155.18

Sta. 184+50 N.B. Rt.
End 6" I-1 Pipe
F.L. 1155.75

Sta. 183+40 S.B. Rt. & N.B. Lt.
F.L. 1155.20

Sta. 183+20 S.B. Rt. & N.B. Lt.
Outlet 6" I-1 Pipe F.L. 1154.50

+0.500%

Sta. 186+65 S.B. Lt.
End 6" I-1 Pipe F.L. 1156.84

Sta. 188+98 N.B. Rt.
End 6" I-1 Pipe
F.L. 1157.99

Sta. 189+02 N.B. Lt. & Rt.
Begin 6" I-1 Pipe F.L. 1158.30

Sta. 189+20 S.B. Rt. & N.B. Lt.
F.L. 1158.10

Sta. 189+35 N.B. Rt.
F.L. = 1158.17

Sta. 189+05 N.B. Rt.
Outlet 8" I-1 Pipe F.L. 1157.00

Sta. 189+16 S.B. Rt.
End 6" I-1 Pipe F.L. 1158.08

Sta. 189+00 S.B. Rt. & N.B. Lt.
Outlet 8" I-1 Pipe F.L. 1158.00

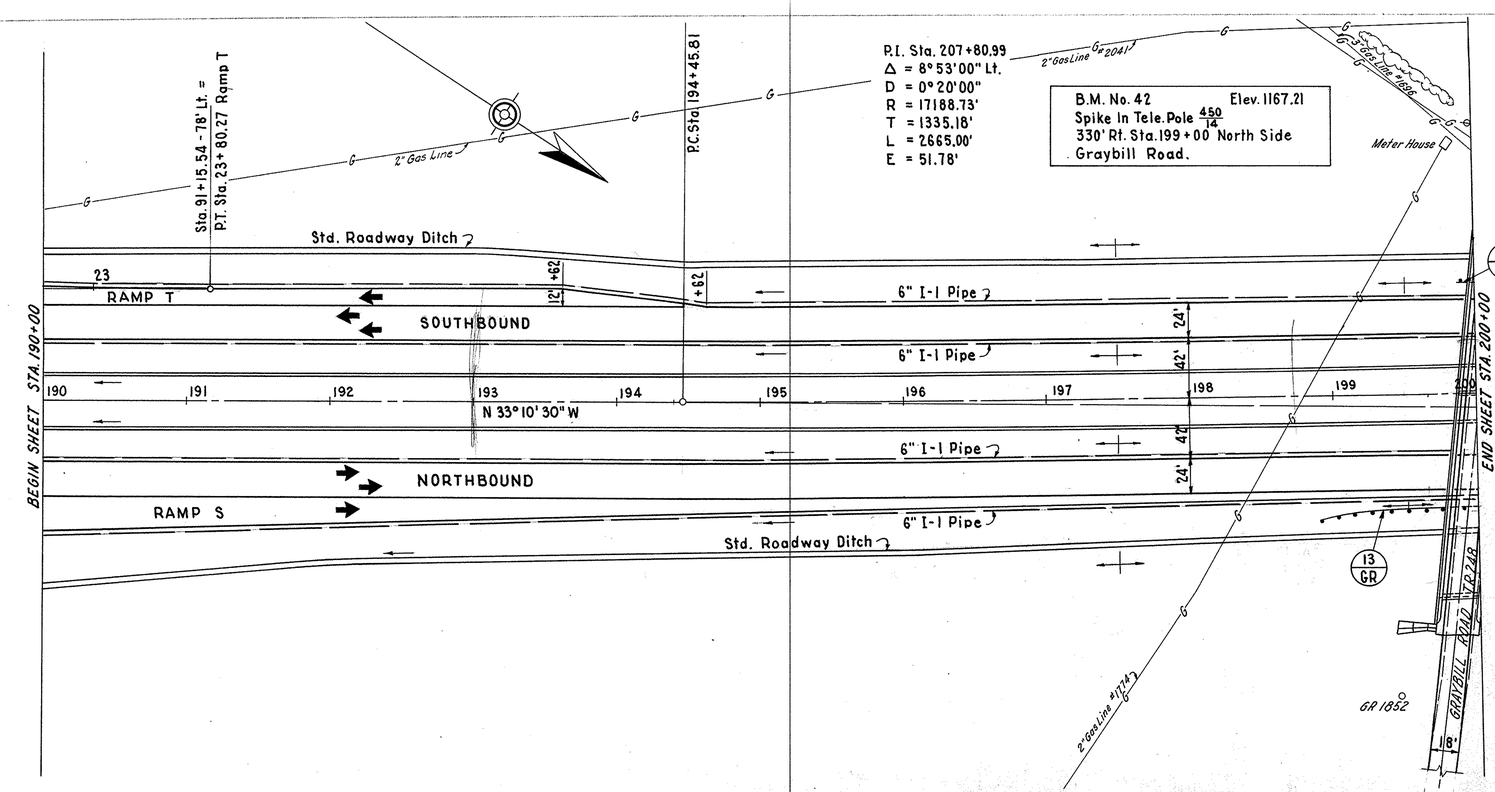
Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 180+00 TO STA. 190+00

FED. RD. DIVISION	STATE	PROJECT		
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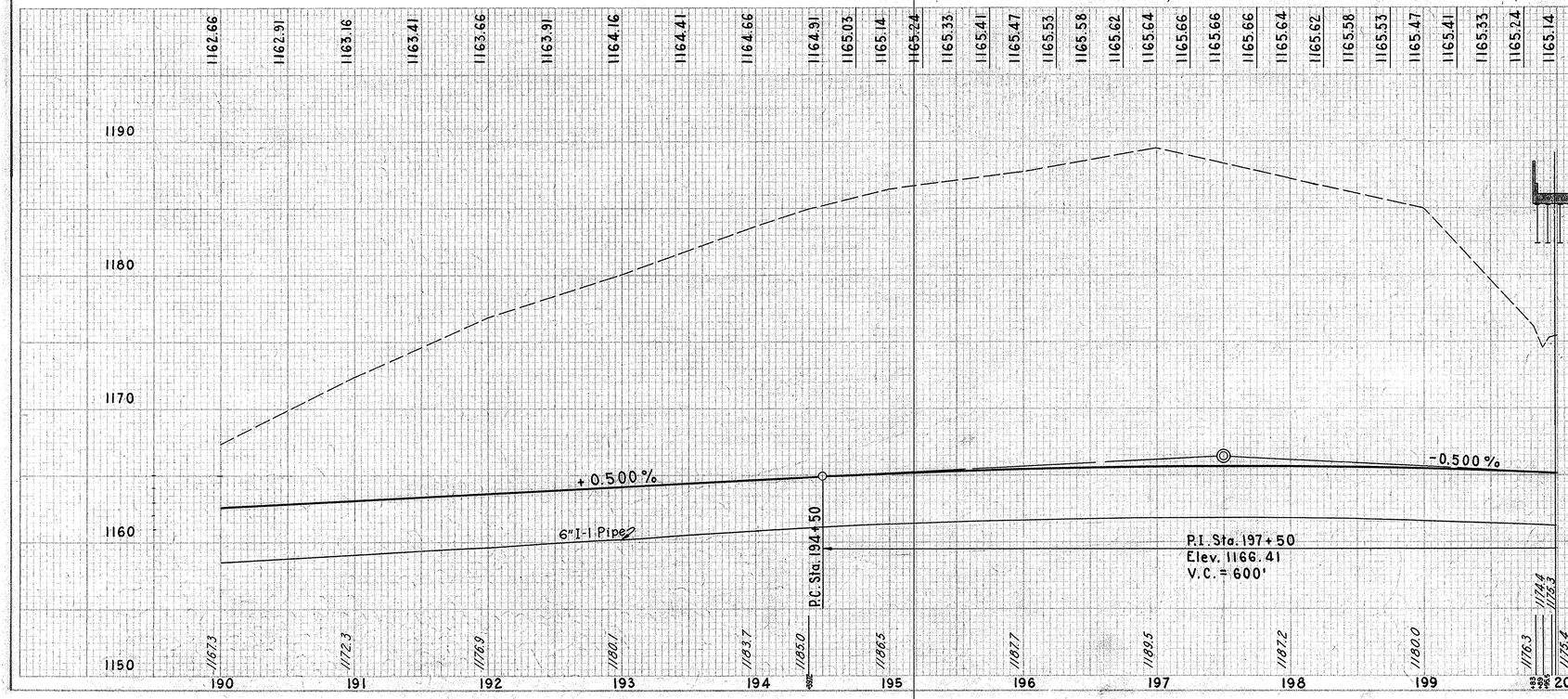
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For Plans & Profiles of Rest Area
See Sheets No. 264 to 296
For Plan & Profile of Graybill Rd.
See Sheets No. 38 & 39

ITEM I-15 GUARD RAIL LIN. FT.						
Ref. No.	Station To Station	Side	100% State Participation		Steel Beam (Deep)	
			Steel Beam (Deep)		Standard Type	Standard Type with Steel Posts
			Standard Type	Barrier Type		
13 GR	198+90 to 200+16	Rt.	75.0		50.0	
14 GR	199+90 to 201+15	Lt.	75.0		50.0	
TOTAL			150		100.0	

For Drainage Quantities
See Sheet No. 36



Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA. 190+00 TO STA. 200+00

FED. RD. DIVISION	STATE	PROJECT	
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SUB-SUMMARY

SEE SHEET NO.		REFERENCE NO.		STATION TO STATION		SIDE	I-1 Lin. Ft.																		I-2 C.Y.	I-8 Each					I-10 C.Y.		L-10 S.Y.	REMARKS	SEE SHEET NO.	
							Class A-1								Class B-1				I-5 Each	Class E-1		Class G-1										SODDING			
Plan	Profile	From	To	From	To			15" M-6.6(a) or M-6.8(b)	24" M-6.6(a) or M-6.8(b)		18" M-6.6(a) M-6.8(b)		42"	84" M-6.6(b) M-6.4(g)		12"	15"		24" M-6.6(b) or M-6.8(b)	Class A-1 Pipe Specials Tee 42"x15"		15"	76"x48" Sec. M-6.7(b)	Masonry Class"C"	St'd. No. 5 C. B.	St'd. No. 3 C. B.	St'd. No.3A C.B.	St'd. No. 6 C.B.	St'd. No. 8 C.B.	Dumped Rock Channel		For Ditches		Plan	Profile
32	290	21S	22S	160+00	160+00	Lt.&Rt.															38													
		22S	23S	160+00	160+00	Rt.		90																											
	202	24S	25S	161+75	161+96	Lt.&Rt.								206									0.26					1	11.0				32	290
33		26S	27S	170+40	170+40	Lt.		62															57.2						19.0					202
		27S	28S	170+40	170+40	Lt.&Rt.																					1	1						
	290	28S	29S	170+40	170+40	Rt.			100												38							1						
		28S	31S	170+40	171+40	Rt.																	0.41						2.0					
		30S	31S	171+40	171+40	Lt.&Rt.															100							1						290
		32S	33S	174+57	7+00 Ramp U	Lt.													78		38							1						
		34S	35S	175+00	175+00	Rt.											100						0.41	1					2.0					
	289	36S	37S	175+52	175+77	Lt.&Rt.																	0.26	1					2.0				33	
		38S	39S	177+18	177+18	Lt.&Rt.																760	32.0						2.8			Multiple Pipe		289
	290	39S	40S	177+18	9+94 Ramp R	Rt.		176													38							2					
		40S	41S	9+94 Ramp R	10+07 Ramp R	Rt.																				1						Rest Area		290
		41S	42S	10+07 Ramp R	9+40 Ramp R	Rt.															28				1							Rest Area		
		43S	44S	9+62 Ramp U	9+62 Ramp U	Rt.&Lt.											78						0.26						18.5			Rest Area		
	291	45S	46S	10+47 Ramp U	9+65 Ramp U	Lt.										62							0.23			1			13.0			Rest Area		
		47S	48S	13+73 Ramp T	14+54 Ramp T	Lt.										90							0.23			1						Rest Area		291
		49S	50S	14+57 Ramp T	14+57 Ramp T	Rt.&Lt.										82							0.23			1			18.5			Rest Area		
34	289	51S	52S	183+00	183+00	Lt.&Rt.							370			68							0.23			1						Rest Area		
		53S	54S	183+20	183+20	Lt.&Rt.																	22.00										34	289
	291	54S	55S	183+20	183+00	Rt.														1	38							2						291
		56S	57S	189+00	189+00	Lt.&Rt.															20													
		57S	58S	189+00	189+00	Rt.							108								38							2						
33	286	31a S	31b S	171+95	171+95	Rt.											58						0.30						2.0					
																							0.26				1						33	286
32				160+10	161+95	Rt.																							92.5				32	
33		Ramp U	7 Sod	5+70	8+00	Lt.																									405	Rest Area	33	
		Ramp T	8 Sod	8+12	9+63	Lt.																									117	Rest Area		
		Ramp T	9 Sod	14+58	15+55	Lt.																									108	Rest Area		
34		Ramp T	10 Sod	15+55	17+55	Lt.																									400	Rest Area	34	
		NB	11 Sod	183+00	185+75	Rt.																									214			
		NB	10a Sod	155+52	155+60	Lt.																									5			
							328	100		108		370	206		302	236		78	1		376	760	114.28	2	1	5	2	11	208.5			1249			

FED. HIG DIVISION	STATE	PROJECT	
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P.I. Sta. 207+80.99
Δ = 8°53'00" Lt.
D = 0°20'00"
R = 17188.73'
T = 1335.18'
L = 2665.00'
E = 51.78'

B.M. No. 42 Elev. 1167.21
Spike In Tele. Pole 450/14
330' Rt. Sta. 199+00 North Side
Graybill Road.

Utilities To Be Relocated By The Owners
See "Utility Adjustment" Note
See Sheet No. 7

For Plan & Profile of Graybill Rd.
See Sheet No. 38 & 39

For Detail of U-Turn Median Opening
See Sheet No. 185

For Drainage Quantities
See Sheet No. 41

BEGIN SHEET STA. 200+00

END SHEET STA. 210+00

Graybill Road No. 248

N 6°26'35" E

OBT Co. 450/12

OBT Co. 450/13

14 GR

13 GR

15 Sod

14 Sod

69 S

70 S

Std. Roadway Ditch

Toe Ditch

8.0'

6.0'

6" I-1 Pipe

80' TPA 85'

3 Wire Line Fence

SOUTHBOUND

NORTHBOUND

82°31'27" Tan. to Curve

79°00' Tan. to Curve

Pole

N 33°10'30" W

N 42°03'30" W

24'

42'

+52.30

Sta. 200+03.14 ℳ =
Sta. 10+00 Graybill Rd.

I-10 Dumped Rock
Length = 6.0'
Width = 6.0'
Depth = 1.5'
Conform to
Shape of Ditch

200 201 202 203 204 205 206 207 208 209 210

1165.14 1165.03 1164.91 1164.66 1164.41 1164.16 1163.91 1163.66 1163.41 1163.16 1162.91 1162.66 1162.41 1162.16 1161.91 1161.66 1161.41 1161.16 1160.91 1160.66 1160.41 1160.16

1180 1170 1160 1150 1140

16.47' Actual Min. Clearance

V.C. 600'

P.T. Sta. 200+50

-0.500%

Sta. 205+72 S.B. Rt.
Begin 6" I-1 Pipe F.L. 1158.14

Sta. 205+68 S.B. Rt.
F.L. 1158.16

Sta. 205+51 N.B. Lt.
F.L. 1158.24

Sta. 205+75 N.B. Rt.
F.L. 1158.12

Sta. 206+04 N.B. Rt.
End 6" I-1 Pipe F.L. 1158.50

Sta. 206+10 N.B. Rt.
End 6" I-1 Pipe F.L. 1158.25

Sta. 206+00 S.B. Rt. & N.B. Lt.
Outlet 6" I-1 Pipe F.L. 1157.50

Sta. 206+14 N.B. Rt.
Begin 6" I-1 Pipe F.L. 1157.93

Sta. 206+15 N.B. Rt.
Outlet 8" I-1 Pipe F.L. 1157.00

Sta. 206+08 N.B. Lt.
Begin 6" I-1 Pipe F.L. 1158.00

1175.4 1175.4 1173.41 1175.6 1174.7 1169.2 1165.0 1161.2 1160.6 1161.0 1160.4 1160.9 1162.5 1164.0 1157.3

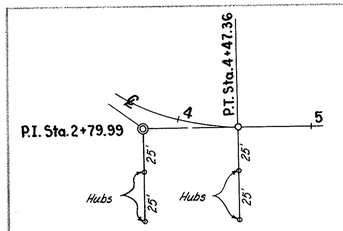
Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 200+00 TO STA. 210+00

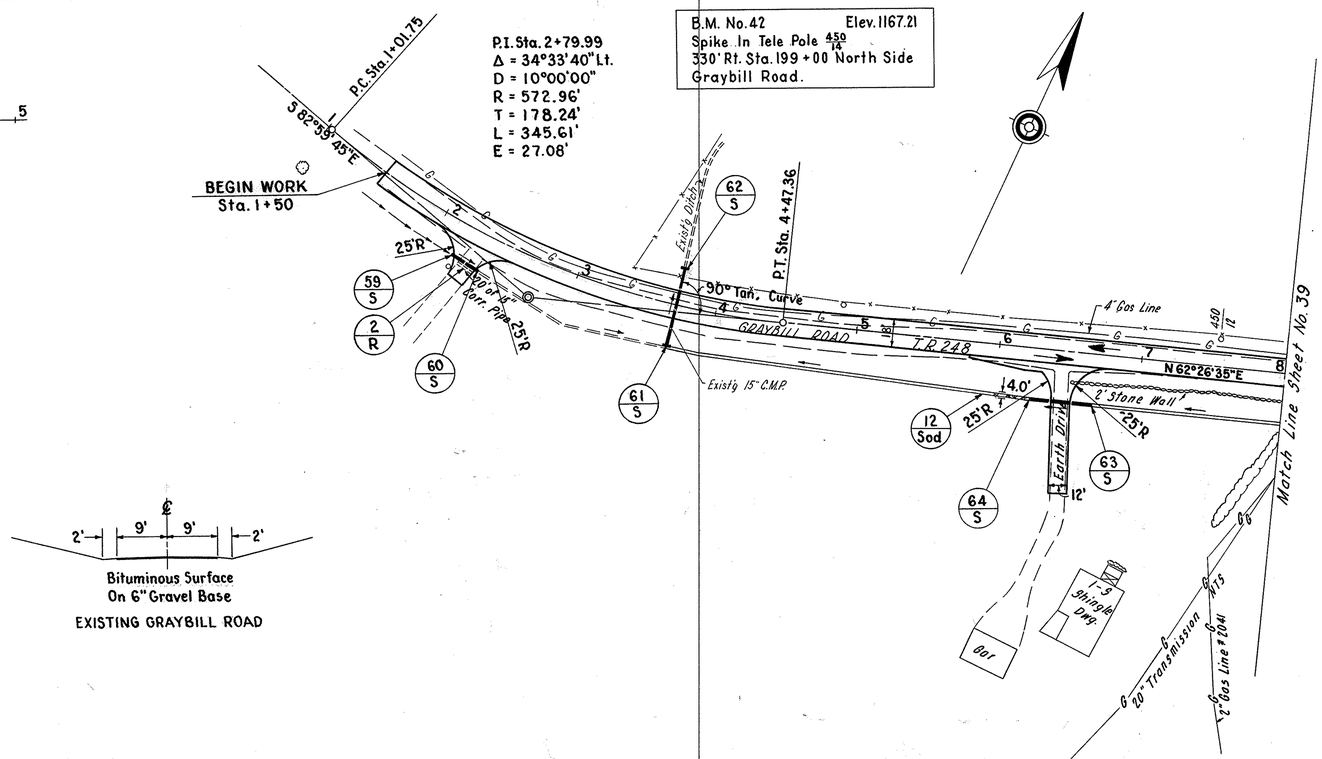
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM. - 8 - 1.89



REFERENCE
P.I. Sta. 2 + 79.99
P.T. Sta. 4 + 47.36



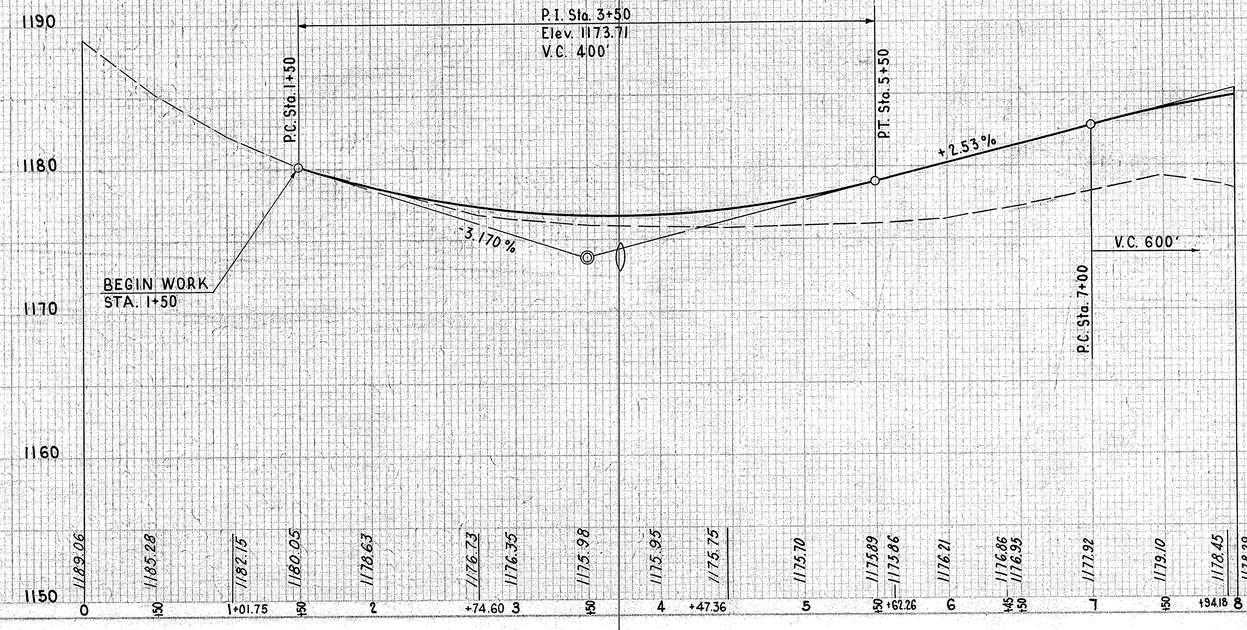
Bituminous Surface
On 6" Gravel Base
EXISTING GRAYBILL ROAD

Utilities To Be Relocated By The Owners
See "Utility Adjustment" Note
See Sheet No. 7

DRIVES & MAILBOX APPROACHES					
Station	Side	E-1 Roadway Exc. C.Y.	E-1 Roadway Emb. C.Y.	T-35 2" C.Y.	I-18 6" C.Y.
2 + 30	Rt.		10	5	14
6 + 45	Rt.		110	10	30
Total			120	15	44

For Drainage Quantities
See Sheet No. 41

For Cross Sections of Graybill Road
See Sheet No. 145 Thru. 149



Scale: Hor. 1" = 50'
Vert. 1" = 5'

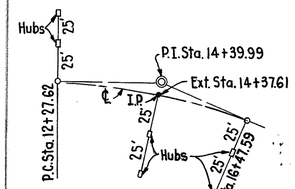
PLAN & PROFILE SHEET
GRAYBILL ROAD – STA. 0+00 TO STA. 8+00

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

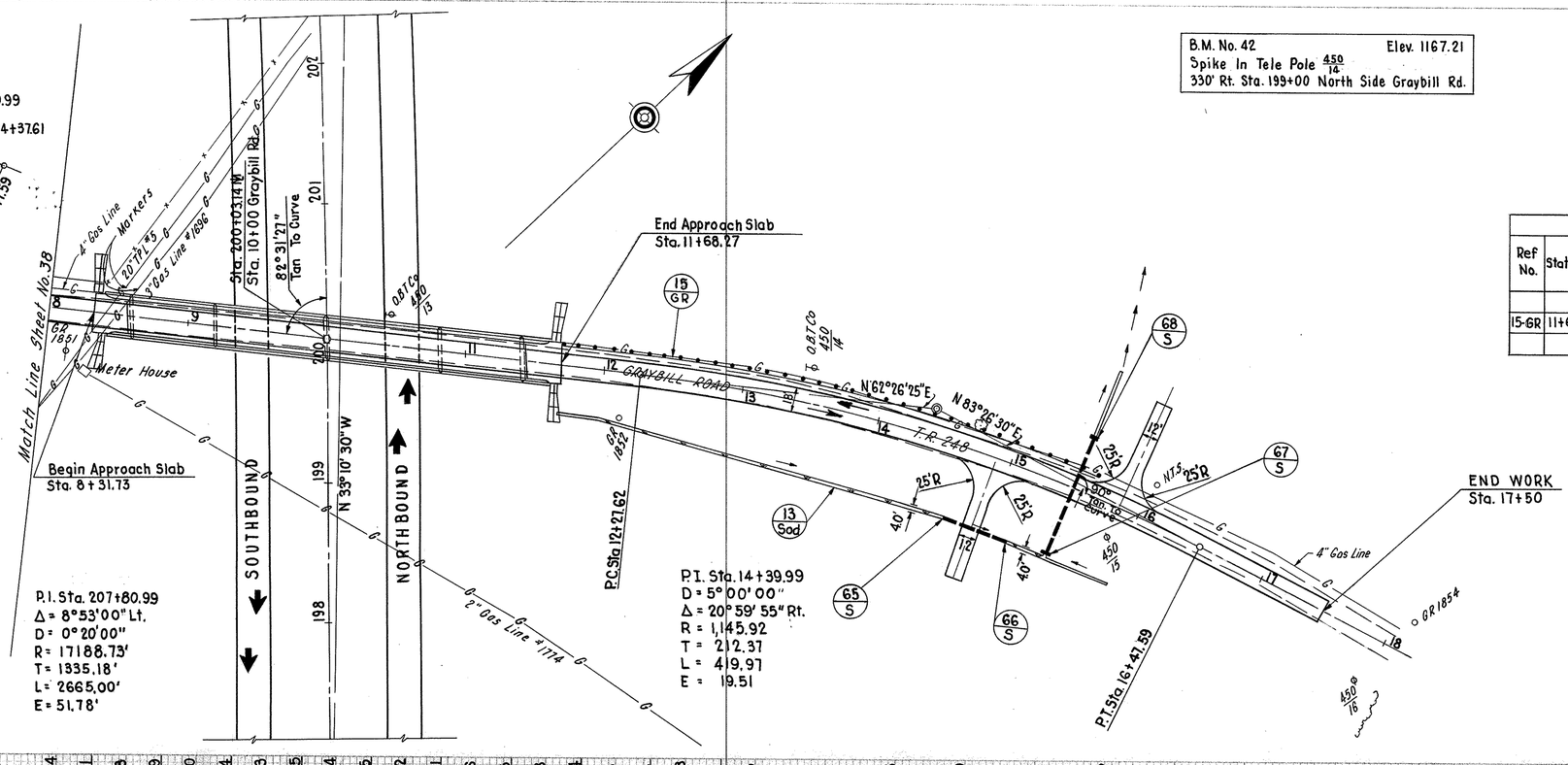
39

SUMMIT COUNTY
SUM.– 8 – 1.89

B.M. No. 42 Elev. 1167.21
Spike In Tele Pole 450/14
330' Rt. Sta. 199+00 North Side Graybill Rd.



REFERENCE
P.C. Sta. 12 + 27.62
EXT. Sta. 14 + 37.61
P.T. Sta. 16 + 47.59

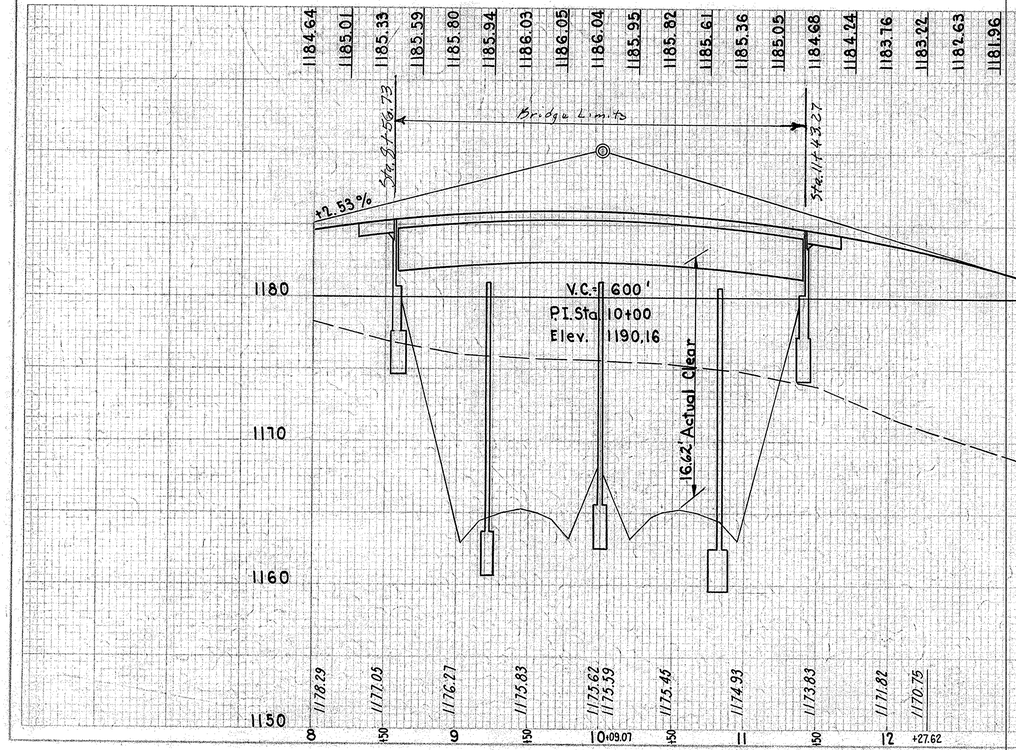


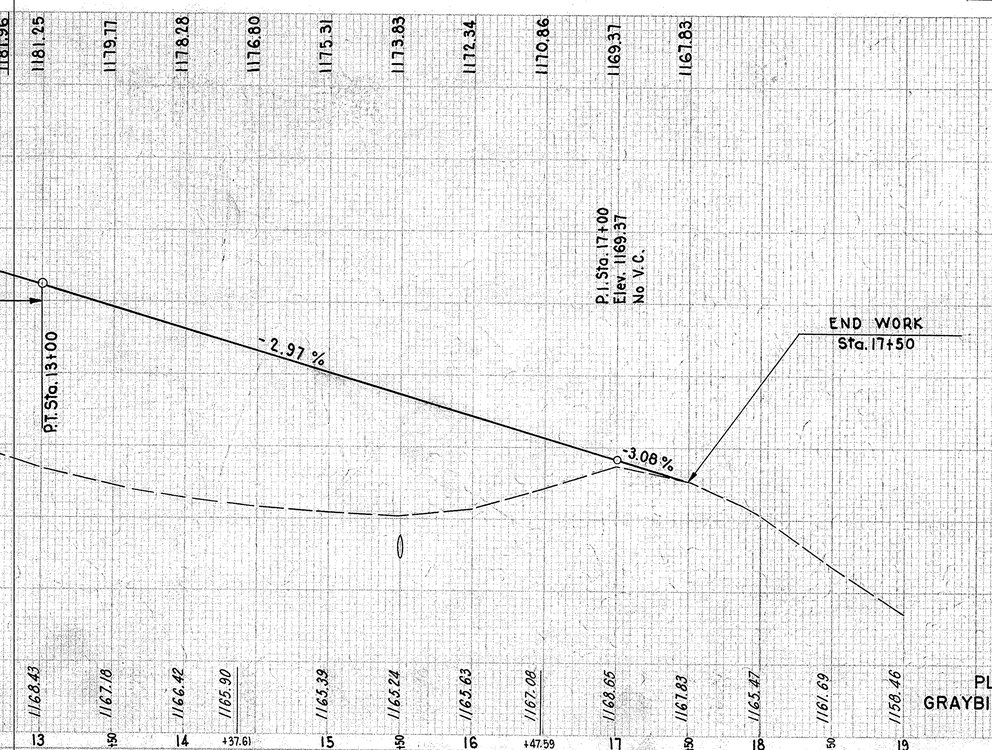
ITEM I-15 GUARD RAIL LIN. FT.						
Ref No.	Station to Station	Side	100% State Participation		Steel Beam (Deep)	
			Steel Beam (Deep)		Standard Type	Std Type With Steel Posts
			Std. Type	Barrier Type		
15-GR	11+65 - 15+85	Lt.			400	

For Plan & Profile of Main Line
See Sheet No. 35 & 37

DRIVES					
Station	Side	E-1 Roadway Exc. C.Y.	E-1 Roadway Emb. C.Y.	I-35 2" C.Y.	I-18 6" C.Y.
14+90	Rt.	–	208	9	26
15+85	Lt.	–	125	8	23
Total			333	17	49

For Drainage Quantities
See Sheet No. 41





BRIDGE NO. SUM-8-0379
UNDER GRAYBILL ROAD

TYPE: Continuous steel beams with reinforced concrete deck and substructure.
SPAN: 58 - 83 - 83 - 58
ROADWAY: 24'-0" f/f of 2'-3" safety curbs
LOAD FREQUENCY: C.F. 30 (57)
SKEW: 7°28'33" Right Forward
WEARING SURFACE: 1/2" Monolithic concrete.
APPROACH SLAB: Special 25' Long.
ALIGNMENT: Tangent
See Sheet No. 238 to 243

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET
GRAYBILL ROAD – STA. 8+00 TO STA. 18+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

B.M. No. 43 Elev. 1154.09
Spike in 28" Oak
300' Rt. Sta. 212+00

Sta. 5+10

Sta. 7+50
Match Line Lt.

Match Line Rt.
Sta. 13+00

Sta. 15+00

Match Line Lt.

BEGIN SHEET STA. 210+00

I-10 Riprap
Conc. Slab 6"
Length = 20.0'
Width = 16.0'
See Sheet 189 for details

17 Sod | 74 S | 71 S | 18 Sod | 73 S | 15B GR | 76 S | 77 S | 78 S

Toe Ditch | 9.0' | 11.0' | Toe Ditch | 10.0' | Std. Roadway Ditch

6"I-1 Pipe

SOUTHBOUND

6"I-1 Pipe

+99.06

24' | 42' | 24'

210 | 211 | 90° Tang. to 212 Curve | 213 | 90° Tang. to Curve | 214 | 215 | 216 | 217 | 218 | 219 | 90° Tang. to Curve | 220

N 42° 03' 30" W

2' Ditch

6"I-1 Pipe

NORTHBOUND

6"I-1 Pipe

15A GR | Toe Ditch | 7.0' | 9.0' | Toe Ditch | Std. Roadway Ditch | Toe Ditch | 9.0' | Std. Roadway Ditch

6" Gas Line

77A S | 79 S

Sta. 211+80 ℳ = Sta. 10+00 Channel

16 Sod | 72 S | 19 Sod | 75 S

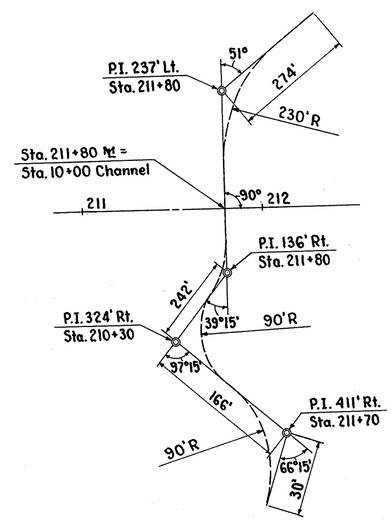
I-10 Dumped Rock
Length = 25.0'
Width = 21.0'
Depth = 2.5'
Conform To Shape of Ditch
8.0'

I-10 Dumped Rock
Length = 6.0'
Width = 6.0'
Depth = 1.5'
Conform To Shape of Ditch

Match Line Rt.

END SHEET STA. 220+00

P.I. Sta. 207+80.99
Δ = 08°53'00" Lt.
D = 0° 20'
R = 17,188.73'
T = 1335.18'
L = 2,665.00'
E = 51.78'



ALIGNMENT FOR CHANNEL CHANGE Sta. 211+80

For Channel Cross-Sections See Sheet No. 100

For Drainage Quantities See Sheet No. 41

ITEM I-15 GUARD RAIL LIN. FT.						
Ref. No.	Station to Station	Side	100% State Participation		Steel Beam (Deep)	
			Steel Beam (Deep)		Standard Type	Std. Type with Steel Posts
			Std. Type	Barrier Type		
15A	210+85 - 212+10	Rt.			125	
15B	211+52 - 212+77	Lt.			125	
	TOTAL				250	

N. B. Elev. ⇒ 1160.16 | 1159.91 | 1159.66 | 1159.55 | 1159.45 | 1159.38 | 1159.33 | 1159.30 | 1159.29 | 1159.31 | 1159.34 | 1159.39 | 1159.47 | 1159.57 | 1159.68 | 1159.82 | 1159.98 | 1160.16 | 1160.36 | 1160.58 | 1160.83 | 1161.09 | 1161.38 | 1161.69 | 1162.02 | 1162.36 | 1162.74 | 1163.13 | 1163.54 | 1163.97 | 1164.43 | 1164.90 | 1165.40 | 1165.92 | 1166.46 | 1167.56 | 1168.67

S. B. Elev. ⇒ 1159.66 | 1159.55 | 1159.45 | 1159.38 | 1159.32 | 1159.29 | 1159.27 | 1159.28 | 1159.30 | 1159.34 | 1159.40 | 1159.49 | 1159.59 | 1159.72 | 1159.86 | 1160.02 | 1160.20 | 1160.40 | 1160.63 | 1160.87 | 1161.13 | 1161.41 | 1161.71 | 1162.03 | 1162.38 | 1162.74 | 1163.12 | 1163.52 | 1163.94 | 1164.38 | 1164.84 | 1165.32 | 1165.82 | 1166.84 | 1167.87

Sta. 211+70 S.B. Rt. & N.B. Lt.
End 6" I-1 Pipe
F.L. 1155.15

Sta. 211+70 S.B. Lt. & N.B. Rt.
End 6" I-1 Pipe
F.L. 1154.50

Sta. 211+00 N.B. & S.B.
F.L. 1155.50

P.C. Sta. 211+00

V.C. 800'
N.B. & S.B. P.I. Sta. 215 + 00
Elev. = 1157.66

P.T. Sta. 219+00

Sta. 211+90 N.B. & S.B.
Begin 6" I-1 Pipe
F.L. 1155.25

Sta. 212+46 N.B. Lt.
End 6" I-1 Pipe
F.L. 1155.25

Sta. 212+25 N.B. Lt. & Rt.
F.L. 1155.00

Sta. 212+35 S.B. Lt.
F.L. 1154.90

Sta. 212+48
Outlet 6" I-1 Pipe
F.L. 1154.79

Sta. 212+50 N.B. Lt.
Begin 6" I-1 Pipe
F.L. 1155.25

Sta. 212+70 S.B. Rt. & N.B. Lt.
F.L. 1155.00

Northbound
Southbound

+2.201%
+2.041%

-0.500%

Sta. 214+00 N.B. Rt.
F.L. 1155.20

Sta. 212+50 N.B. Rt.
Outlet 8" I-1 Pipe
F.L. 1152.00

Sta. 212+50 N.B. Rt.
Begin 6" I-1 Pipe
F.L. 1154.50

Sta. 212+46 N.B. Rt.
End 6" I-1 Pipe
F.L. 1154.50

Sta. 212+46 N.B. Rt.
Outlet 8" I-1 Pipe
F.L. 1152.00

Sta. 211+70 S.B. Lt.
Outlet 8" I-1 Pipe
F.L. 1151.50

Sta. 211+70 N.B. Rt.
Outlet 8" I-1 Pipe
F.L. 1150.50

Sta. 211+90 S.B. Lt.
Outlet 8" I-1 Pipe
F.L. = 1151.50

1133.1 | 1133.2 | 1155.4

1155.7 | 1155.5

1155.1 | 1156.2 | 1157.6 | 1159.4 | 1161.5 | 1162.1 | 1163.73 | 1167.22 | 1169.4 | 1169.5

210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 210+00 TO STA. 220+00

SUB - SUMMARY

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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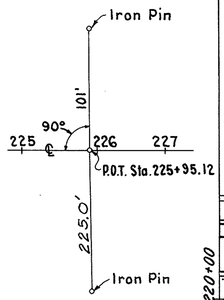
SUMMIT COUNTY
SUM-8-1.89

SEE SHEET NO.		REF. NO.		STATION TO STATION		SIDE	I-1 LIN. FT. Class A-1						Class E-1			Class F-1			Class G-1	I-2 C.Y.	I-8 EACH		I-10 S.Y.	I-10 C.Y.	L-10 S.Y.		E-12 LIN.FT.		SEE SHEET No.	
							18" M-6.6(a) or M-6.8(b)	18" M-6.6(b) or M-6.8(b)	24" M-6.6(a) or M-6.8(b)				15"	24"		12"	15"		8.35'x 5.67' 106" x 68" Sec. M 6.7(a)	Masonry Class "C"	Std. No. 8 C.B.		Riprap 6" Conc. Slab	Dumped Rock Channel	Sodding For Ditches	Special Slope & Berm Protection	PIPE REMOVAL 15" And Under	REMARKS		
Plan	Profile	From	To	From	To																									Plan	Profile
37		69 S	70 S	206 + 00	206 + 20	Lt. & Rt.	116													0.30	1			2.0						37	
	211	59 S	60 S	2 + 15	2 + 40	Rt.											22											Graybill Road		211
38	203	61 S	62 S	3 + 73	3 + 73	Rt. & Lt.			60											0.82								Graybill Road	38	203
	211	63 S	64 S	6 + 33	6 + 77	Rt.										44												Graybill Road		211
39		65 S	66 S	14 + 67	15 + 21	Rt.										48												Graybill Road	39	
	203	67 S	68 S	15 + 50	15 + 50	Rt. & Lt.		94												0.60								Graybill Road		203
		71 S	72 S	211 + 80	211 + 80	Lt. & Rt.													180	52.0			35.6	49.0						
	211	73 S	74 S	212 + 48	212 + 48	Lt. & Rt.							38								2									211
40		74 S	75 S	212 + 48	212 + 48	Rt.			90											0.41				2.0						
	212	74 S	77 S	212 + 48	213 + 50	Rt.								102							1								40	212
		76 S	77 S	213 + 50	213 + 50	Lt & Rt.							38								1									
	211	77	77a	213 + 50	216 + 50	Rt.							300								1									211
		77a	79	216 + 50	220 + 00	Rt.							350								1									
		78	79	220 + 00	220 + 00	Lt. & Rt.							38								1									
37			14 Sod	202 + 70	203 + 00	Rt.																			20				37	
			15 Sod	203 + 80	204 + 00	Lt.																			18					
38			12 Sod	6 + 00	6 + 50	Rt.																			22			Graybill Road	38	
39			13 Sod	11 + 70	15 + 50	Rt.																			169			Graybill Road	39	
			16 Sod	209 + 90	211 + 70	Rt.																			140					
40			17 Sod	210 + 60	211 + 60	Lt.																			100				40	
			18 Sod	211 + 90	220 + 00	Lt.																			935					
			19 Sod	211 + 90	218 + 75	Rt.																			685					
38			2 R	2 + 00	2 + 15	Rt.																					20	Graybill Road	38	
				8 + 30		Rt.																				16		Graybill Road		
39				8 + 30		Lt.																				16		Graybill Road	39	
				11 + 58		Rt.																				18		Graybill Road		
				11 + 58		Lt.																				21		Graybill Road		
							116	94	150				764	102		92	22		180	54.13	8		35.6	53.0	2089	71	20			

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89



REFERENCE
P.O.T. Sta. 225+95.12

B.M. No. 44 Elev. 1177.64
Spike in 30" Oak. 200' Rt. Sta. 225+25
at End of Earth Drive to Dumping Area

P.T. Sta. 221+10.81-Bk. =
Sta. 221+11.75-Ah.

Sta. 228+00-91' Lt. =
Sta. 0+00-Ramp J

I-10 Dumped Rock
Length = 6.0'
Width = 6.0'
Depth = 1.5'
Conform to
Shape of Ditch

81 S
80 S
85 S
84 S
83 S
82 S
16 GR

Std. Roadway Ditch
6" I-1 Pipe
SOUTHBOUND
6" I-1 Pipe
N 42° 03' 30" W
6" I-1 Pipe
NORTHBOUND
Std. Roadway Ditch
6" I-1 Pipe
N 43° 15' 07" W
RAMP J

11'-10"
24'
42'
42'
24'
12"
+67
+67

BEGIN SHEET STA. 220+00
END SHEET STA. 230+00

220 221 222 223 224 225 226 227 228 229 230

To Be Abandoned THORN ROAD

0+00 Ramp M

For Profile of Ramp J
See Sheet No. 47

For Drainage Quantities
See Sheet No. 45

1200
1190
1180
1170
1160

1167.87 1168.67 1168.89 1169.77 1169.91 1170.87 1170.13 1171.10 1170.91 1171.95 1171.93 1173.05 1172.95 1174.15 1173.97 1175.25 1174.99 1176.35 1176.01 1177.45 1177.03 1178.55 1178.05 1179.65 1179.07 1180.75 1180.09 1181.85 1181.11 1182.95 1182.13 1184.05 1183.15 1185.15 1184.17 1186.25 1185.19 1187.35 1186.21 1188.45 1187.24 1189.55 1188.26 1190.65

Sta. 221+10.81 Bk. =
Sta. 221+11.75 Ah.

NORTHBOUND
SOUTHBOUND

+2.201 %
+2.041 %

Sta. 220+20 N.B. Lt.
F.L. 1165.00

Sta. 220+16 N.B. Lt.
End 6" I-1 Pipe F.L. 1164.90

Sta. 220+00 S.B. Rt. & N.B. Lt.
Outlet 6" I-1 Pipe F.L. 1163.51

Sta. 220+20 S.B. Rt.
F.L. 1163.90

Sta. 220+16 S.B. Rt.
End 6" I-1 Pipe F.L. 1163.80

Sta. 229+98 S.B. Lt. & Rt.
End 6" I-1 Pipe F.L. 1183.95

Sta. 228+05 S.B. Lt.
F.L. 1180.00

Sta. 228+00 S.B. Lt.
Outlet 6" I-1 Pipe F.L. 1179.50

Sta. 227+98 S.B. Lt.
End 6" I-1 Pipe F.L. 1179.90

1163.5 1171.8 1173.4 1174.7 1176.5 1178.7 1181.5 1181.7 +17 1180.3 +22 1181.2 +34 1181.4 +45 1181.6 +54 1182.8 +65 1183.4 +74 1183.2 1183.4 1182.5 1181.5

220 221 222 223 224 225 226 227 228 229 230

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA.220+00 TO STA.230+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

ITEM I-15 GUARD RAIL LIN. FT.						
Ref. No.	Station to Station	Side	100% State Participation		Steel Beam (Deep)	
			Steel Beam (Deep)		Standard Type	Std. Type with Steel Posts
			Standard Type	Barrier Type		
16-GR	229+50 - Ramp M 3+50	Rt.			1000	
17-GR	Ramp J 7+00 2+50	Lt.			500	
18-GR	234+35 - 238+85	Lt.			450	
19-GR	237+42 - 240+42	Rt.			300	
20-GR	236+98 - 238+48	Med.		150		
21-GR	238+48 - 239+98	Med.			150	
21A-GR	237+40	Rt.			25	
	TOTAL			150	2425	

BRIDGE NO. SUM-8-0456 LR
OVER MASSILLON ROAD

TYPE: Continuous steel beam with reinforced concrete deck and substructure.
SPANS: 52'-64'-64'-46' c/c Brgs.
ROADWAY: 42' f/f parapets
LOAD FREQUENCY: C.F. 2000 (57) Adequate for A.A.S.H.O. alternate loading.
SKEW: 45°-26'-10" Rt. forward
WEARING SURFACE: 1" Monolithic Concrete
APPROACH SLAB: AS-1-54 (25' Long)
ALIGNMENT: Tangent
See Sheets No. 244 to 252

For Drainage Quantities See Sheet No. 45

B.M. No. 45 Elev. 1186.12
Spike in 36" Elm. 400' Lt. Sta. 240+50
First Tree on Rt. of Sandy Knoll Drive North Side Massillon Road.

P.O.T. Sta. 240+00
239 ℄ 241
100°00'
150'
50'
Iron Pins
REFERENCE
P.O.T. Sta. 240+00

RAMP J
P.I. Sta. 4+16.70
Δ = 3°30'00" Lt.
D = 1°30'00"
T = 116.70'
L = 233.33'
R = 3819.72'

RAMP J
P.I. Sta. 9+44.27
Δ = 20°44'33" Lt.
T = 45.75'
L = 90.51'
R = 250'

RAMP M
P.I. Sta. 2+33.62
Δ = 7°00'00" Rt.
D = 1°30'00"
T = 233.62'
L = 466.67'
R = 3819.72'

RAMP M
P.I. Sta. 7+55.83
Δ = 17°00'00" Rt.
D = 4°00'00"
L.S. = 150.0'
R = 1432.40'
θs = 3°00'00"
P = 0.65'
K = 74.99'
L.T. = 100.01'
S.T. = 50.01'
L.C. = 149.98'
T.S. = 289.16'
Es = 16.6'
Lc = 275.00'
Xc = 149.96'
Yc = 2.62'
Δc = 11°00'00"

RAMP M
P.I. Sta. 13+15.71
Δ = 49°26'10" Lt.
T = 122.45'
L = 229.51'
R = 266.00'
P.C. Sta. 11+93.26
P.T. Sta. 14+22.77

Sta. 24+18.74 Massillon Rd. =
Sta. 14+56.73 Ramp M
Sta. 0+00 - Ramp L

Sta. 230+00-78.0' Rt. =
Sta. 0+00 - Ramp M

Sta. 16+85.38 Massillon Rd. =
Sta. 11+01.94 Ramp J

Sta. 24+00 M =
Sta. 19+86.08 Massillon Rd.

Begin Approach Slab
Sta. 239+48.66

End Approach Slab
Sta. 242+31.08

I-10 Dumped Rock
Length = 6', Width = 6',
Depth = 1.5' Conform to
Shape of Ditch

I-10 Riprap
(6" Conc. Slab)
Length = 25.0'
Width = 4.0'
W/cut-off walls on each end similar to that detailed on sheet 189 for Item I-10 Riprap

Std. Roadway Ditch

P.C. Sta. 3+00.00 Ramp J
P.T. Sta. 5+33.33 Ramp J
P.C. Sta. 8+98.52 Ramp J
P.T. Sta. 9+89.03 Ramp J
S.C. Sta. 6+16.67 Ramp M
P.T. & T.S. Sta. 4+66.67 Ramp M
C.S. Sta. 8+91.67 Ramp M
S.T. Sta. 10+41.67 Ramp M

N 43°15'07" W
N 46°45'07" W
N 42°03'30" W
N 38°03'30" W
N 18°03'30" W
N 67°29'40" W
N 2°30'20" E
N 44°33'50" W

Pond
Toe Ditch
Earth Road
Gravel
Existing R/W Line
Conc. Base Street Sign G.R. 395
Conc. Curb & Gutter
Conc. Box Culvert
Conc. Dik Wall
Earth Dike
Rip Rap
Drop Inlet
Gravel Drive
Guard Rail
Street Light
Guy Wire
Guy Anchor
Telephone Pole
Fence
Gas Line
Robinwood Drive
Raber Terrace
Massillon Road
Ramp J
Ramp K
Ramp L
Ramp M
SOUTHBOUND
NORTHBOUND
6"I-I Pipe
O.B.T.Co. 98858
O.B.T.Co. 98859
O.B.T.Co. 98860
O.B.T.Co. 98864
G.R. 391
G.R. 392
G.R. 394
G.M.
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FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

SUMMIT COUNTY
SUM-8-1.89

44

B.M. No.45 Elev. 1186.12
Spike in 36" Elm 400' Lt.
Sta. 240+50. First Tree on Rt. of Sandy Knoll Drive North Side Massillon Rd.

P.O.T. Sta. 240+00
239 ℄ 241
100°00'
150'
50'
Iron Pins
REFERENCE
P.O.T. Sta. 240+00

ITEM I-15 GUARD RAIL LIN. FT.						
Ref. No.	Station to Station	Side	100% State Participation		Steel Beam (Deep)	
			Steel Beam (Deep)		Standard Type	Std. Type w/ Steel Posts
			Standard Type	Barrier Type		
226GR	241+41-245+91	Lt.			450	
236GR	241+87-243+37	Med			150	
246GR	242+98-247+48	Rt.			450	
256GR	243+37-244+87	Med		150		
	Total			150	1050	

For Drainage Quantities See Sheet No. 45

RAMP K
P.I. Sta. 1+58.23
Δ = 38°11'10" Rt.
R = 266'
T = 92.07'
L = 177.28'

RAMP K
P.I. Sta. 8+79.99
Δ = 5°45'00" Lt.
D = 3°00'00"
R = 1909.86'
T = 95.91'
L = 191.67'

RAMP L
P.I. Sta. 4+66.84
Δ = 24°14'33" Rt.
D = 6°00'00"
L.S. = 150'
R = 954.93'
θs = 4°30'00"
P = 0.98'
K = 74.98'
L.T. = 100.03
S.T. = 50.03'
L.C. = 149.96'
T.S. = 280.28'
Es. = 22.78'
Lc = 254.04'
Xc = 149.91'
Yc = 3.93'
Δc = 15°14'33"

For Plan & Profile of Massillon Road See Sheets No. 50 & 51

For Profiles of Ramps K & L See Sheet No. 48

For Intersection Details of Ramps K & L With Massillon Road See Sheet No. 198

For Cross Sections of Ramp K See Sheets No. 159 & 160

For Cross Sections of Ramp L See Sheet No. 161

PLAN SHEET-STA. 239+00 TO STA. 250+00 AND RAMPS K & L

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

SUMMIT COUNTY
SUM.-8-1.89

SUB - SUMMARY

SEE SHEET NO.		REF. NO.		STATION TO STATION		SIDE	I-1 LIN. FT. CLASS A-1 M-6.6(a) or M-6.8(b) 15"	CLASS A-1 M-6.6(c) 18"		15"	CLASS E-1	15"	CLASS F-1	CLASS I-3 6" M-6.4 (h)(c)	I-9 LIN.FT. Stone Underdrain No. 1 As Per Plan	I-2 C.Y. Masonry Class "C"	I-5 EACH 15" Pipe Special 30" Elbow M-6.4(c)	I-8 EACH Std. No.8 C.B.	Std. No.2-2-A C.B. (Mod.)	Std. No.3-A C.B.	Std. No.6 C.B.	I-10 S.Y. Riprap 6"Reinforced Conc.Slab	I-10 C.Y. Dumped Rock Channel	L-10 S.Y. For Ditches	Special Slope And Berm Protection		REMARKS	SEE SHEET NO. Plan	Profile
Plan	Profile	From	To	From	To																								
42	212	80 S	81 S	228+00	228+00	Lt.	48									0.26					1								
		82 S	83 S	230+00	230+00	Rt.&Lt.				38								2										42	212
		83 S	84 S	230+00	230+00	Lt.	58														1								
		84 S	85 S	230+00	230+00	Lt.	64									0.26							2.0						
43	206	86 S	87 S	8+47	7+95	Lt.&Rt.		116								0.60												43	204
	212	94 S	95 S	242+50	242+50	℄ & Lt.	84					36				0.26	2	1					2.0						212
44	213	109 S	110 S	246+73	244+00	Rt.&Lt.								360	3													44	213
43		ℳ	20 Sod	236+25	238+42	Rt.																		98				43	
			21 Sod	8+00	12+20	Rt.																		280			Ramp M		
			22 Sod	8+75	10+00	Lt.																		56			Ramp M		
		ℳ	22a Sod	238+67	239+78	Rt.																		49					
			23 Sod	8+95	10+50	Rt.																		71			Ramp J		
			24 Sod	8+65	10+35	Lt.																		76			Ramp J		
44			29 Sod	0+75	7+10	Rt.																		472			Ramp K	44	
		ℳ	30 Sod	242+50	242+50	Lt.																		16					
		ℳ	31 Sod	242+50	243+20	Rt.&℄																		39					
		ℳ	32 Sod	242+90	247+40	Rt.																		295					
			35 Sod	3+70	7+50	Lt.																		296			Ramp K		
43				238+42	238+67	Rt.																	11.0					43	
43		ℳ		238+85		Lt.																			50			43	
		ℳ		240+40		Rt.																			38				
TOTAL							254	116		38		36		360	3	1.38	2	3			2	11.0	4.0	1748	88				

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM - 8 - 1.89

NB Elev. 1190.65 1191.75 1192.86 1193.96 1195.06 1196.16 1197.26 1198.36 1199.46 1200.56 1201.66 1202.76 1200.50 1203.86 1204.40 1204.93 1205.45 1205.95 1206.44 1206.91 1207.38 1207.82 1208.26 1208.68 1209.09 1209.48 1209.86 1210.23 1210.58 1210.92

SB. Elev. 1210 1188.26 1189.28 1190.30 1191.32 1192.34 1193.36 1194.38 1195.40 1196.42 1197.44 1198.46 1199.48 1200.50 1201.52 1202.02 1202.51 1202.99 1203.45 1203.90 1204.33 1204.75 1205.15 1205.55 1205.92 1206.30 1206.65 1206.98 1207.30

1200

1190

1180

1170

Northbound ? +2.201%

Southbound ? +2.041%

Sta. 230+00 N.B. Lt.
Outlet 6" I-I Pipe F.L. 1186.29

Sta. 230+23 N.B. Lt.
Begin 6" I-I Pipe F.L. 1191.16

Sta. 234+47 N.B. Rt.
F.L. 1196.60

Sta. 233+93 N.B Rt.
Outlet 8" I-I Pipe F.L. 1190.00

Sta. 230+00 S.B. Rt.
F.L. 1188.80

Sta. 230+00 S.B. Lt.
F.L. 1188.44

Sta. 230+23 S.B. Rt.
Begin 6" I-I Pipe F.L. 1188.73

Sta. 230+08 S.B. Lt.
Begin 6" I-I Pipe F.L. 1188.42

Sta. 230+00 S.B. Rt.
Outlet 6" I-I Pipe
F.L. 1183.90

Sta. 230+00 S.B. Lt.
Outlet 6" I-I Pipe
F.L. 1183.03

N.B. P.C. Sta. 236+00

S.B. P.C. Sta. 236+50

V.C. 1100'
S.B. P.I. Sta. 242+00
Elev. 1212.75

Sta. 239+05 S.B. Lt.
End 6" I-I Pipe
F.L. 1206.00

Sta. 239+23 S.B. Rt.
End 6" I-I Pipe
F.L. 1206.20

V.C. 1200'
N.B. P.I. Sta. 242+00
Elev. 1217.07

Bridge Limits

Sta. 239+73.66

1181.5 1180.2 1179.6 1177.6 1178.0 1180.4 1180.6 1180.8 1182.7 1184.0 1186.3 1188.4 1189.2 1188.4 1189.3 1189.8 1189.5 1189.3 1188.6 1189.6

230 231 232 233 234 235 236 237 238 239 240

Bridge Limits

NB Elev. 1210.92 1211.24 1211.55 1211.86 1212.15 1212.42 1212.67 1212.92 1213.15 1213.37 1213.56 1213.76 1213.94 1214.09 1214.24 1214.38 1214.50 1214.61 1214.71 1214.78 1214.85 1214.90 1214.94 1214.97 1214.97 1214.98 1214.96 1214.93 1214.89 1214.84 1214.76 1214.68 1214.59 1214.38 1214.17 1213.97 1213.76

SB. Elev. 1207.30 1207.61 1207.90 1208.18 1208.45 1208.70 1208.94 1209.16 1209.37 1209.57 1209.75 1209.92 1210.08 1210.21 1210.34 1210.46 1210.55 1210.64 1210.72 1210.77 1210.81 1210.84 1210.85 1210.86 1210.84 1210.82 1210.78 1210.72 1210.65 1210.57 1210.47 1210.27 1210.06 1209.85 1209.65 1209.44

1220

1210

1200

1190

1180

+2.201%

+2.041%

Sta. 242+50 N.B. Lt.
Outlet 6" I-I Pipe F.L. 1204.46

Sta. 242+50 N.B. Lt.
Begin 6" I-I Pipe F.L. 1210.20

Sta. 242+80 N.B. Rt.
Begin 6" I-I Pipe F.L. 1210.10

Sta. 242+89 N.B. Lt.
F.L. 1210.00

Northbound -0.414%

Southbound -0.414%

Sta. 240+11 N.B. Lt.
End 6" I-I Pipe F.L. 1207.06

Sta. 240+45 N.B. Rt.
End 6" I-I Pipe F.L. 1207.51

Sta. 241+35 S.B. Lt.
Begin 6" I-I Pipe F.L. 1205.50

Sta. 241+65 S.B. Rt.
Begin 6" I-I Pipe F.L. 1205.65

Sta. 241+92 S.B. Lt.
F.L. 1205.30

Actual Min. Clear. 13.22'

Sta. 242+14 S.B. Rt.
F.L. 1205.50

Sta. 242+48 S.B. Lt. & Rt.
End 6" I-I Pipe
F.L. 1205.74

Sta. 243+13 S.B. Lt.
F.L. 1210.15

Sta. 243+08 N.B. Rt.
F.L. 1208.05

Sta. 242+96 S.B. Rt.
F.L. 1210.00

Sta. 242+52 S.B. Lt. & Rt.
Begin 6" I-I Pipe F.L. 1210.33

Sta. 242+52 S.B. Rt.
Outlet 6" I-I Pipe F.L. 1204.46

Sta. 241+98 S.B. Rt.
Outlet 6" I-I Pipe F.L. 1204.46

Sta. 242+50 N.B. Rt.
Outlet 8" I-I Pipe F.L. 1189.95

Sta. 242+48 S.B. Lt.
Outlet 8" I-I Pipe
F.L. 1187.05

Sta. 242+52 S.B. Lt.
Outlet 8" I-I Pipe F.L. 1187.05

Southbound
P.I. Sta. 242+00
Elev. 1212.75
V.C. 1100'

Northbound
P.I. Sta. 242+00
Elev. 1217.07
V.C. 12.00'

S.B. P.T. Sta. 247+50

N.B. P.T. Sta. 248+00

Sta. 248+53 S.B. Rt.
End 6" I-I Pipe
F.L. 1207.50

Sta. 249+50 N.B. Rt.
End 6" I-I Pipe
F.L. 1209.97

For Plan View
See Sheets No. 43 & 44

Scale: Hor. 1" = 50'
Vert. 1" = 5'

1189.6 1191.4 1192.0 1192.3 1191.2 1191.6 1191.8 1191.8 1191.5 1190.9 1190.8 1192.5 1193.2 1193.0 1192.3 1192.3 1193.4 1193.8 1195.8 1198.4 1200.1 1200.8 1201.7 1202.1 1202.4 1203.2 1204.3

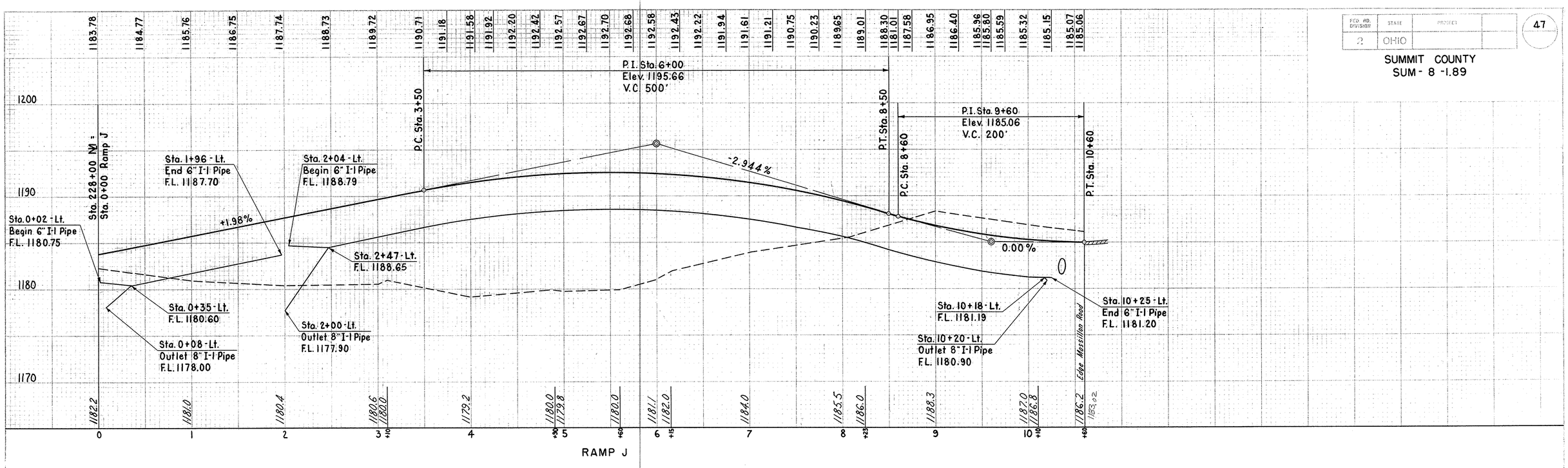
240 241 242 243 244 245 246 247 248 249 250

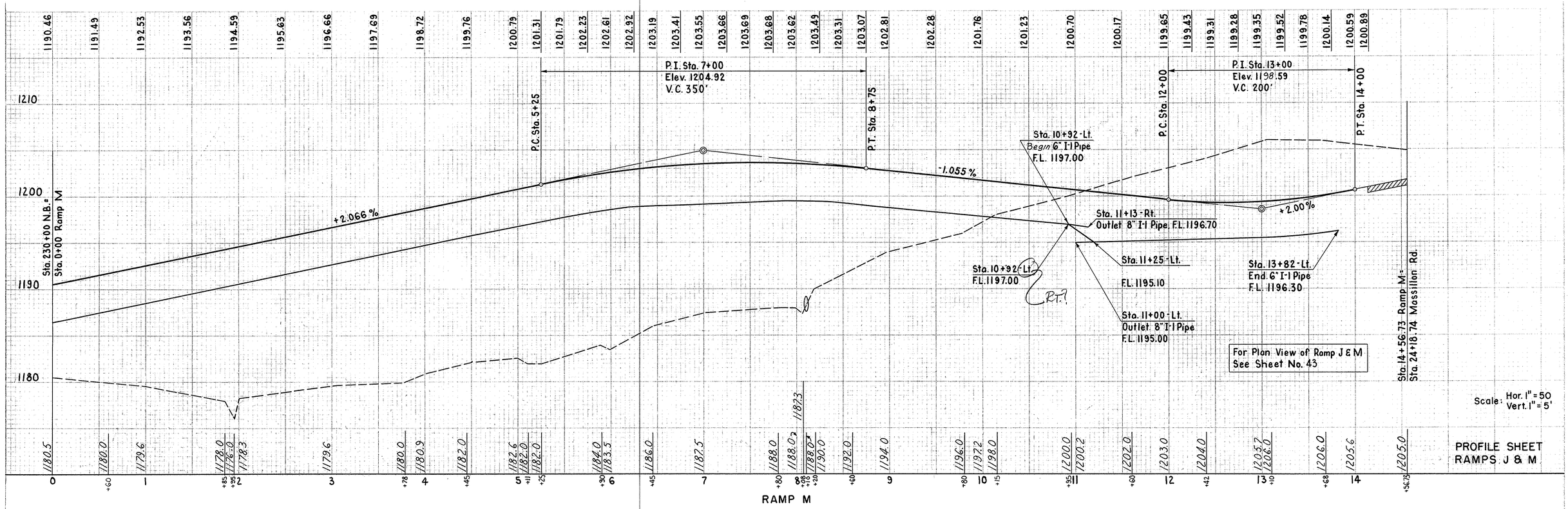
PROFILE SHEET - STA. 230+00 TO STA. 250+00

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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SUMMIT COUNTY
SUM - 8 -1.89





For Plan View of Ramp J & M
See Sheet No. 43

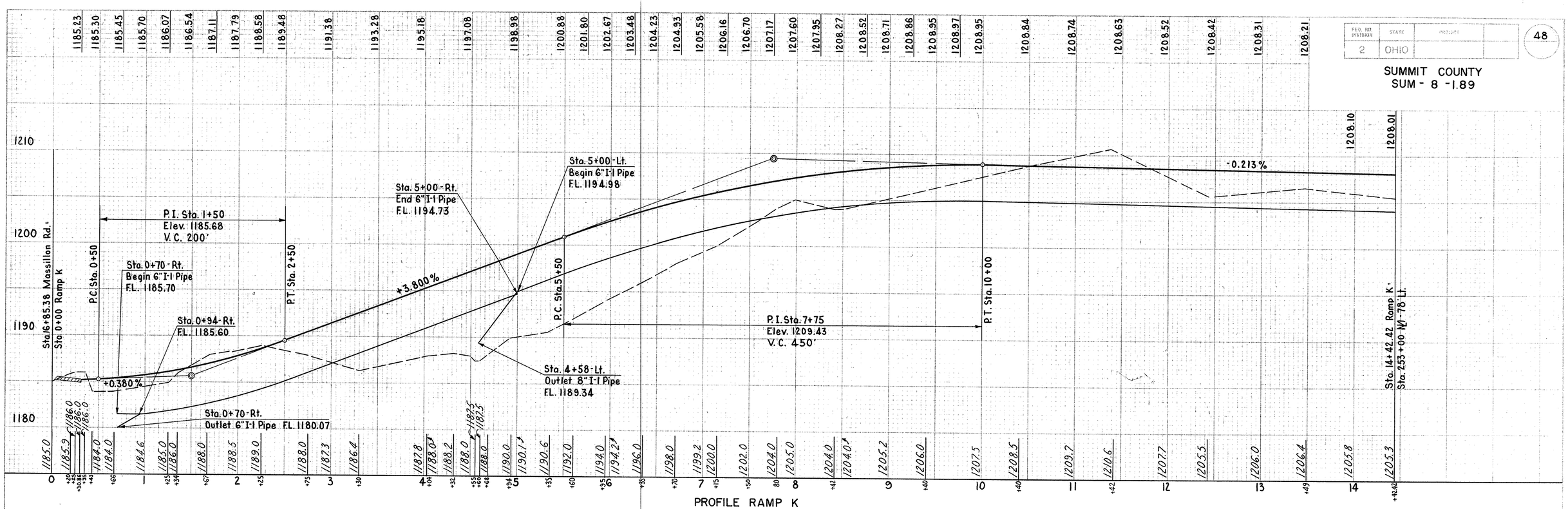
Scale: Hor. 1" = 50
Vert. 1" = 5'

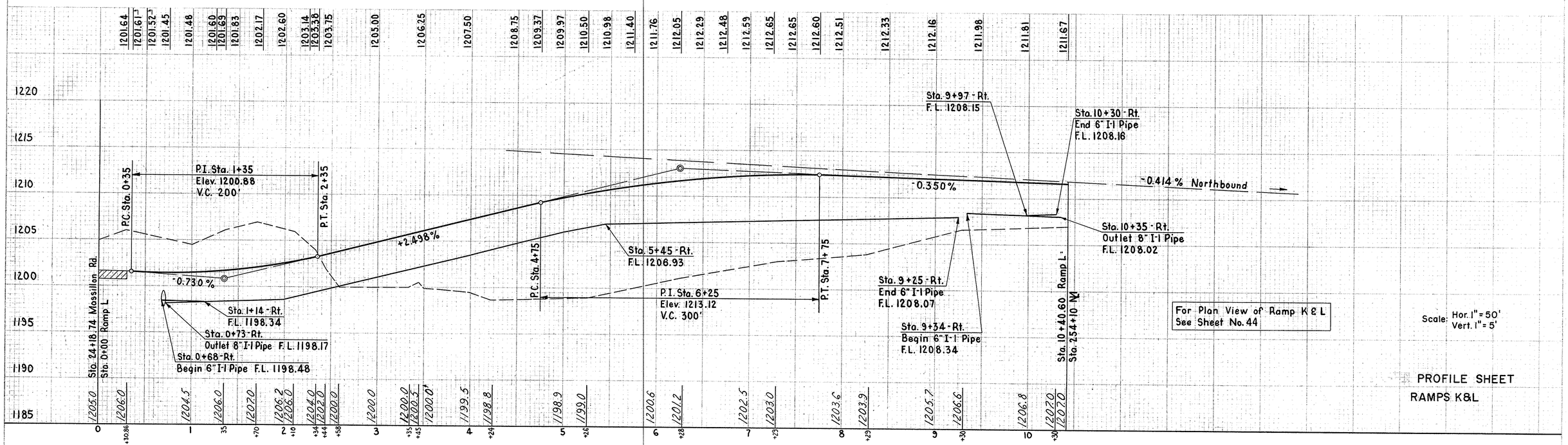
PROFILE SHEET
RAMPS J & M

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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SUMMIT COUNTY
SUM - 8 -1.89





For Plan View of Ramp K & L
See Sheet No. 44

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PROFILE SHEET
RAMPS K&L

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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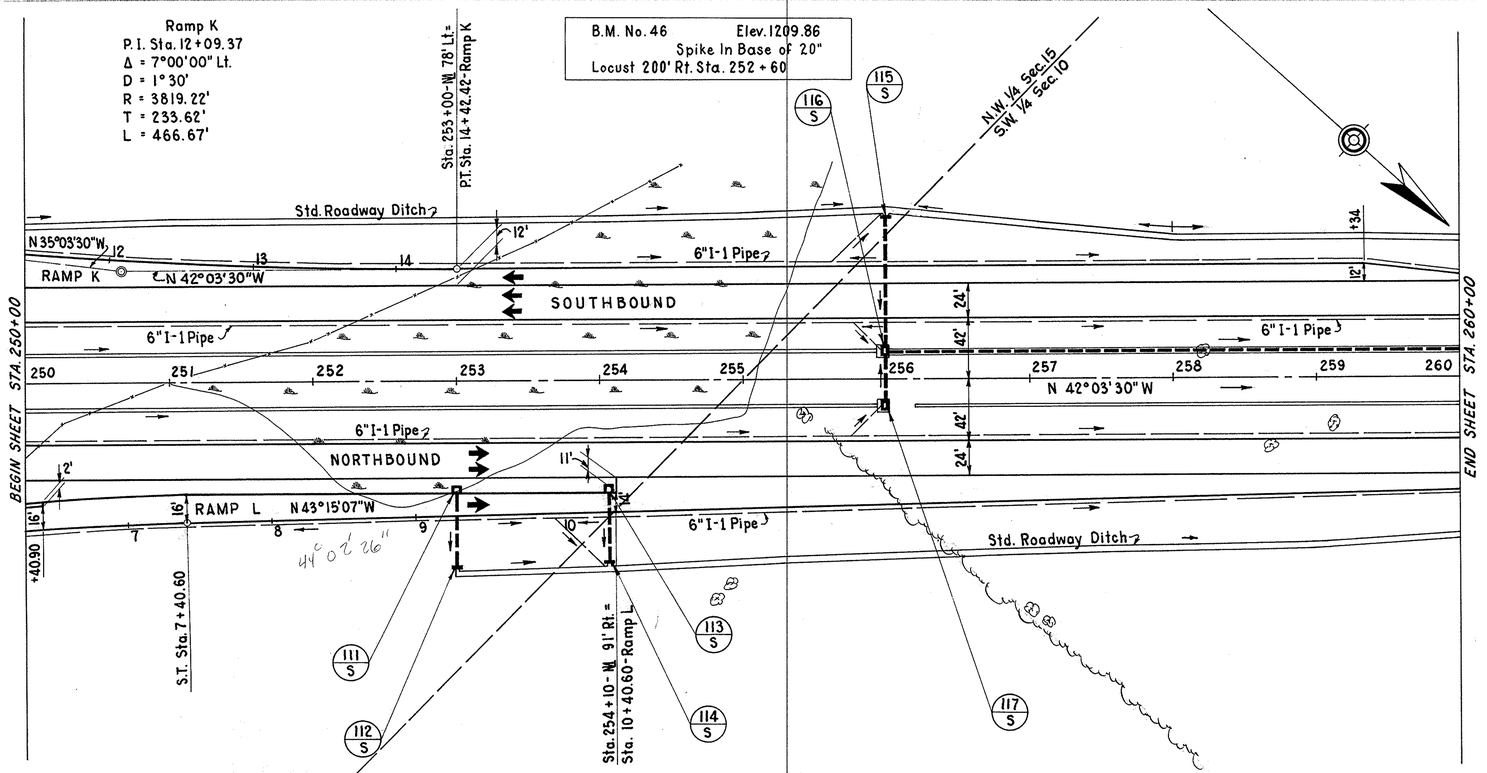
SUMMIT COUNTY
SUM-8-1.89

Ramp L
P.I. Sta. 4+66.84
Δ = 24°14'33" Rt.
D = 6°00'
L.S. = 150'
R = 954.93'
θs = 4°30'
P = 0.98'
K = 74.98'
L.T. = 100.03'

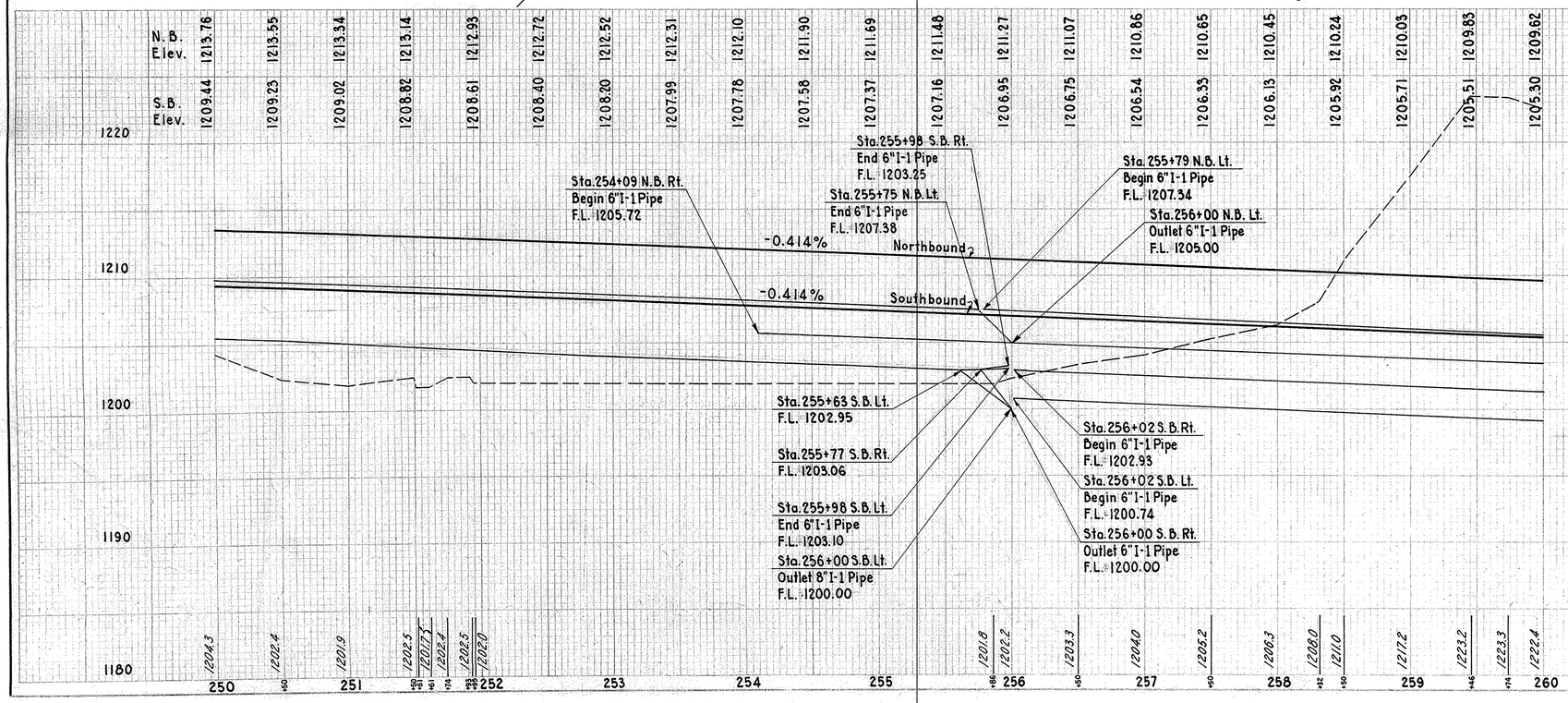
S.T. = 50.03'
L.C. = 149.96'
T.S. = 280.28'
Es = 22.78'
Lc = 254.04'
Xc = 149.91'
Yc = 3.93'
Δc = 15°14'33"

Ramp K
P.I. Sta. 12+09.37
Δ = 7°00'00" Lt.
D = 1°30'
R = 3819.22'
T = 233.62'
L = 466.67'

B.M. No. 46 Elev. 1209.86
Spike In Base of 20" Locust 200' Rt. Sta. 252+60



For Drainage Quantities
See Sheet No. 52.



Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 250+00 TO STA. 260+00

FED. ROAD DIVISION	STATE	PROJECT		50
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

Sta. 3+92.58 - Existing
Box Culvert
Span 10'-6"
Clear. 2'-7"
F.L. Inlet-1166.81
F.L. Outlet-1166.58

B.M. No. 45 Elev. 1186.12
Spike in 36" Elm 400' Lt. Sta. 240 + 50
First Tree on Rt. of Sandy Knoll Drive North
Side Massillon Road

ITEM E-8		
1 / E-8	Removal & Disposal of Existing Pavement	6269 S.Y.

Existing R/W
N.W. 1/4 Sec. 15
N.E. 1/4 Sec. 15
MASSILLON RD.
Motch Line
Begin Work Sta. 3+92
1-Sty.-Fr. Dwg.
BEGIN PAVEMENT Sta. 7+50
15" R.C.P.
12" T.C.P.
G.R. 401
G.R. 398 MASSILLON ROAD
N 2° 30' 20" E
89° 50' 50"
Sta. 9+50.42 Massillon Rd. = Sta. 9+77.30 Thorn Rd.
THORN ROAD
2-Sty.-Fr.&Shingle Service Station
1-Sty.-Br. & Conc. Blk. #3691
Conc. Drive
Fr. Gar.
1-Sty. Fr. Dwg. #3690
1-Sty. Fr. Dwg. #3684
Conc.
Lawn
G.M.
Grove
Garden
Inlet
4" Pipe Drain
12" C.M.P. Apprd.
O.D.T.Co. #67029
3" Pipe Sign
O.D.T.Co. #88083 Sign
O.D.T.Co. #73726
G.R. 2598
Conc. Base Fire Place
Parking Area
Cinder Drive
1-Sty. Fr. Gar.
2-Sty. Fr. Shingle Dwg.
Gas Regulator
Conc. Base For Sign
6" Conc. Slab
Gas Pipe
Plug
S.R. 24
Bituminous
10" R
200' R
90°
N67°29'40"W
70°
60'
Motch Line
Sheet No. 51
Ramp J
Ramp K 6"T.-I Pipe
Earth
SANDY KNOLL DRIVE
Two Lane Rd. #242
Fr. Shed
Fr. Gar.
1-Sty.-Fr. Dwg.
2-Sty.-Fr. Dwg.
G.R. 3019
T.V. Tower
G.R. 2273
Guy Anchor
8" Gravel Drive
Conc. Island
Conc. Cover
Tank Inlet
Pump & Pipe
3 Gas Pumps Bituminous
1-Sty.-Metal & Br. Ser. Station #3634
Conc. Island
Conc. Base
Conc. Slab
Mail Box Platform
6" T.-I Pipe
Fr. Shed
Gar.
1-Sty.-Br. Dwg. #3658
G.R. 397
G.R. 396
G.R. 395
G.R. 399
Drive
Bituminous
Gravel
Ramp J
6" T.-I Pipe
Drive
Earth
Gravel
Drive
Bituminous
Drive
Bituminous
Drive
Bituminous

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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SUMMIT COUNTY
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B.M. No. 45 Elev. 1186.12
Spike In 36" Elm 400' Lt.
Sta. 240+50. 18" Tree On Rt. of Sandy Knoll Drive North Side Massillon Rd.

Massillon Rd. ℄ 26 — 26+38.75 — 27
Nail in Tele. Pole # 1043 19 — 61.13' — Nail in Tele. Pole # 1043 18 — 60.81'
REFERENCE P.O.T. Sta. 26+38.75

I-10 Dumped Rock
Length = 6.0', Width = 6.0', Depth = 1.5' Conform to Shape of Ditch

I-10 Dumped Rock
Length = 6.0', Width = 6.0', Depth = 1.5', Conform to Shape of Ditch

Sta. 241+00 M = Sta. 19+86.08 Massillon Rd.

SOUTHBOUND — NORTHBOUND — RAMP L — RAMP M — MASSILLON ROAD — ROBINWOOD DRIVE — Earth Drive — Gravel Drive — Match Line Sheet No 50

N 42°03'30" W — 242 — 243 — 244 — 90° — 44°33'50" — 45° — 40°

Std. Roadway Ditch — Cleared (High Grass) — Corn Shed — 2-Sty.-Fr. Shingle Dwg. — 2-Sty.-Fr. Shed — 2-Sty.-Br. Dwg. — Br. Shed — Fr. Shed — Fr. Car Port — Water Well & Arbor — Over Hang — Fr. Barn — Stone Fdn. Abond. Silo — Wood Post — Cleared Pasture — Fr. Shingle Gar. — Dr. Shingle Dwg. — Conc. Apron — 1-Sty.-Fr. Shingle Gar. Dwg. — 6"-I.I. Pipe — 1-Sty. Shingle Dwg. — Fr. Gar. — 1-Sty.-Br. Dwg. — 1-Sty.-Metal Shingle Dwg. — 6 Dia. Granite Rock — 2 Guy Anchors — O.B.T.Co. Guy Pole — Pond 4' Ave. Depth — Pond 4' Ave. Depth No Overfly — Marsh — St. Sign Post — O.B.T.Co. 98858 — Inc. Base 11.5 & 3 D.M. — O.B.T.Co. G.R. 3582 — O.B.T.Co. 98871 10"V.C.P.

G.R. 394 — G.R. 393 — G.R. 392 — G.R. 391 — G.R. 390 — G.R. 389 — G.R. 388 — G.R. 387 — G.R. 386 — G.R. 358 — G.R. 1930

N.W. ¼ Sec. 15 — S.W. ¼ Sec. 10 — N.E. ¼ Sec. 15 — S.E. ¼ Sec. 10 — S.R. 241 — S.W. ¼ Sec. 10 — S.E. ¼ Sec. 10 — RABER ROAD C.H. 246

N 2°30'20" E

Sta. 24+18.74 Massillon Rd. = Sta. 14+56.73 Ramp M = Sta. 0+00 Ramp L

END WORK Sta. 31+01

For Plan View of Ramp L & M See Sheet No. 43 & 44

For Intersection Details See Sheet No. 198

For Cross Sections of Massillon Rd. See Sheet No. 150 Thru 157

For Drainage Quantities See Sheet No. 52

For Plan & Profile of Mainline See Sheet No. 44

1186.72 1187.00 1187.33 1187.71 1188.15 1188.64 1189.18 1189.78 1190.42 1191.77 1193.12 1194.47 1195.82 1197.17 1198.52 1199.87 1201.22 1202.57 1203.23 1203.84 1204.42 1204.94 1205.44 1205.88 1206.30 1206.66 1207.00 1207.28 1207.53 1207.74 1207.90 1208.02 1208.23 1208.44 1208.64 1208.85 1209.06 1209.26

1210
1200
1190
1180

P.I. Sta. 19+00
Elev. 1187.72
V.C. = 200'
P.C. Sta. 18+00
P.T. Sta. 20+00
15.22' Actual Clear
℄ Exist. Massillon Rd. ?
S.R. 241
Sta. 19+86.08 Massillon Rd. ℄ = Sta. 241+00 M
+1.000%
+2.700%
+0.413%
END WORK Sta. 31+01
P.C. Sta. 24+50
P.I. Sta. 26+25
Elev. 1207.30
V.C. = 350'
P.T. Sta. 28+00

1187.32 1189.23 1192.08 1195.21 1198.36 1201.38 1204.42 1207.67 1211.03 1213.17 1213.04 1210.32 1209.25 1209.07 1209.26 1209.60 1210.07

16 19 20 21 22 23 24 25 26 27 28 29 30 31 32

DRIVES & MAIL BOX APPROACHES

Station	Side	E-1 ROADWAY Exc. C.Y.	E-1 ROADWAY Emb. C.Y.	T-35 2" C.Y.	I-18 6" C.Y.
26+10	Lt.	–	–	2	6
26+60	Rt.	250	–	10	28
28+00	Lt.	375	–	22	63
29+75	Rt.	53	–	14	42
TOTAL		678	–	48	139

Scale: Hor. 1"=50' Vert. 1"=5'

PLAN & PROFILE SHEET
MASSILLON RD.
Sta. 18+00 to Sta. 32+00

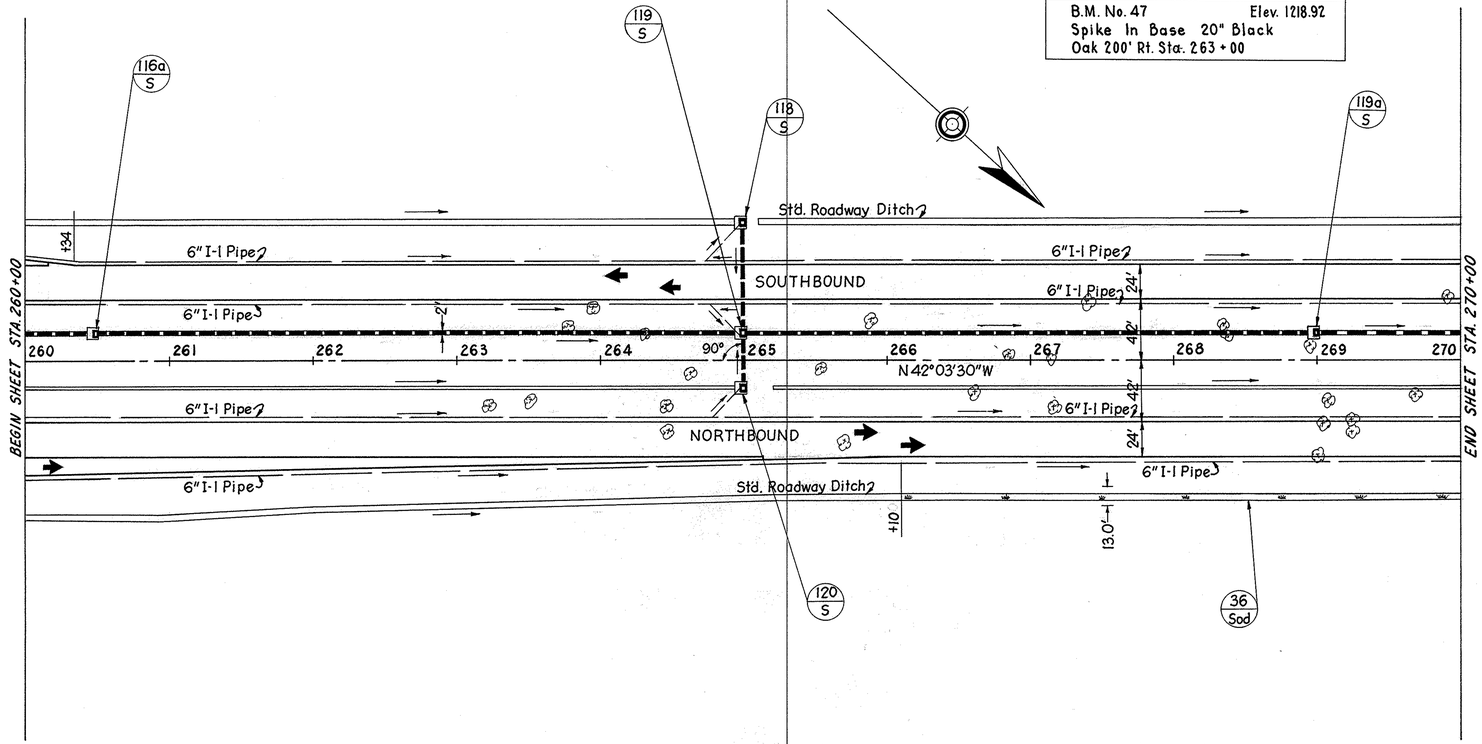
SUB - SUMMARY

SEE SHEET NO.		REF. NO.		STATION TO STATION		SIDE	I-1 LIN. FT.												I-2 C.Y.	I-8 EACH					I-10 C.Y.		L-10 S.Y.	E-12 LIN. FT.		REMARKS	SEE SHEET NO.	
							Class A-1			Class B-1			Class E-1			Class F-1											Sodding	Pipe Removal				
Plan	Profile	From	To	From	To			18" M-66(a) or M-68(b)	24" M-66(a) or M-68(b)	15"	18"	15" M-66(b) or M-68(b)	30" M-66(a) or M-68(a)	24"	30"	12"	15"	Masonry Class "C"	Std. No. 2-2A (MOD.) C.B.	Std. No. 2-3 (MOD.) C.B.	Std. No. 6 C.B.	Std. No. 8 C.B.	Dumped Rock Channel		For Ditches	15" and Under			Plan	Profile
49	214	111S	112S	253+00	253+00	Rt.				54								0.26			1									49	214
		113S	114S	254+05	254+05	Rt.				50								0.26			1										
		117S	116S	256+00	256+00	Rt.&Lt.						38										2									
		116S	115S	256+00	256+00	Lt.		94										0.30													
51	206	88S	89S	0+45	0+73	Rt.&Lt.		72										0.60					2.0						RAMP L	51	206
	212	90S	91S	27+86	28+13	Lt										34													MASSILLON ROAD		212
		92S	93S	26+42	26+75	Rt.											34												MASSILLON ROAD		
		96S	97S	20+60	21+80	Lt.&Rt.					158								2										MASSILLON ROAD		
50&51		97S	98S	20+60	17+92	Rt.								268				0.41												MASSILLON ROAD	50&51	
50	206	99S	100S	10+48	10+20	Rt.&Lt.			84									0.82					2.0						RAMP J	50	206
	213	101S	102S	17+45	16+72	Rt.					74								2										MASSILLON ROAD		213
		102S	103S	16+72	14+80	Lt.					192								1										MASSILLON ROAD		
		103S	104S	14+80	14+80	Lt.&Rt.					100									1									MASSILLON ROAD		
		104S	105S	14+80	12+50	Rt.							230							1									MASSILLON ROAD		
		105S	106S	12+50	10+80	Rt.							170							1									MASSILLON ROAD		
	214	106S	107S	10+80	8+60	Rt.							220							1									MASSILLON ROAD		214
		107S	108S	8+60	5+80	Rt.									280					1									MASSILLON ROAD		
		108 S	108aS	5+80	5+46	Rt.									34			0.51											MASSILLON ROAD		
			255OD	14+80	16+18	Rt.																			184				MASSILLON ROAD		
			23aSOD	17+00	17+92	Rt.																			61				MASSILLON ROAD		
51			26SOD	20+60	20+90	Rt.																			17				MASSILLON ROAD		
			27SOD	24+33	26+33	Rt.																			134				MASSILLON ROAD		
			33SOD	21+90	24+05	Lt.																			191				MASSILLON ROAD	51	
			34SOD	24+85	26+45	Lt.																			71				MASSILLON ROAD		
			R 3	29+60	30+00	Rt.																				42			MASSILLON ROAD		
50			R 3a	14+74	16+74	Lt.																				200			MASSILLON ROAD	50	
							166	84	104	524	38		620	268	314	34	34		3.16	5	5	2	2	4.0		658	242					

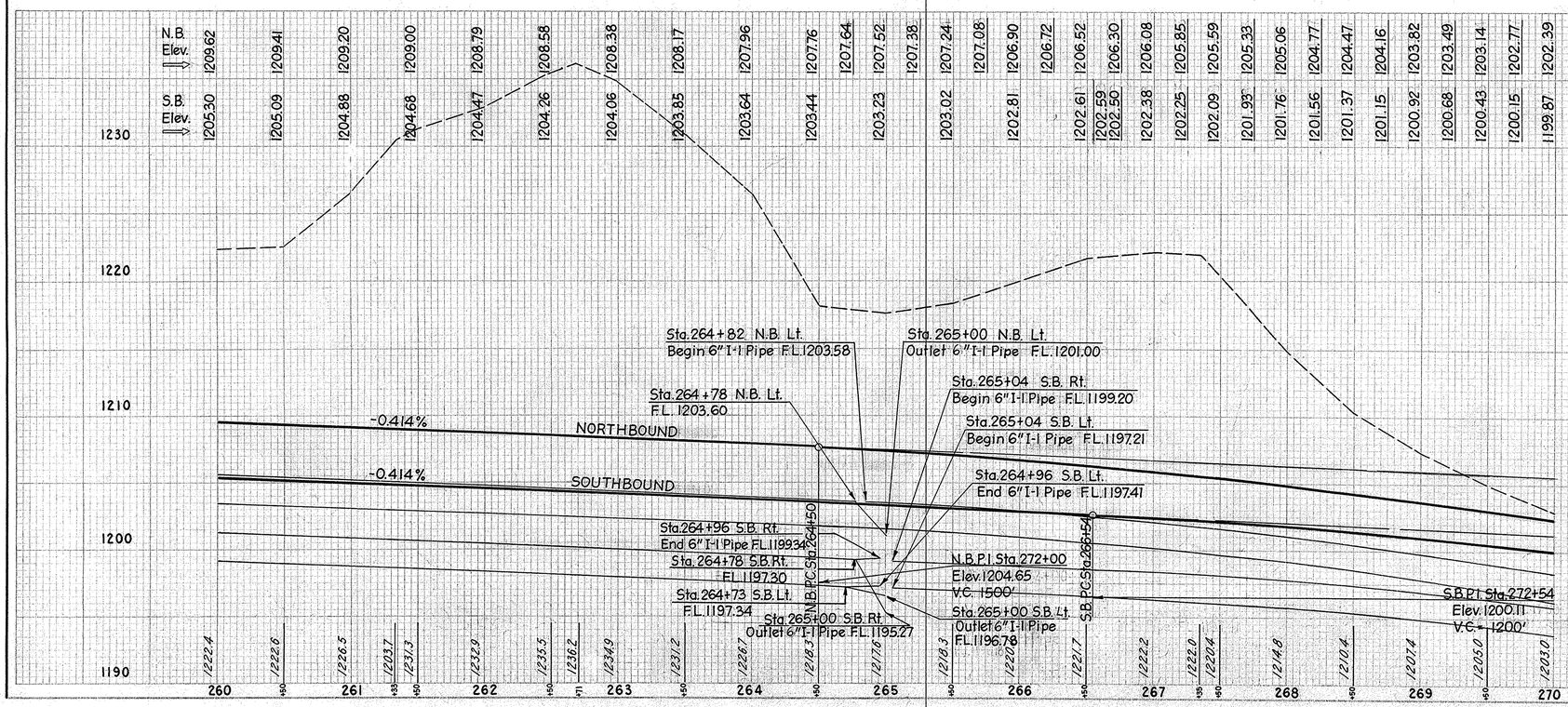
FED. RD. DIVISION	STATE	PROJECT		53
2	OHIO			

SUMMIT COUNTY
SUM - 8 - 1.89

B.M. No. 47 Elev. 1218.92
Spike In Base 20" Black
Oak 200' Rt. Sta. 263 + 00



For Drainage Quantities
See Sheet No. 62



Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 260+00 TO STA. 270+00

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

54

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 48 Elev. 1195.34
Spike In Base 28" Lynn
225' Rt. Sta. 272 + 00

BEGIN SHEET STA. 270+00

END SHEET STA. 280+00

St'd. Roadway Ditch

St'd. Roadway Ditch

SOUTHBOUND

NORTHBOUND

6" I-1 Pipe

6" I-1 Pipe

6" I-1 Pipe

6" I-1 Pipe

2' Ditch

St'd. Roadway Ditch

8' Toe Ditch

6" Sinclair pipe line (at 6' broad ditch grade)

6" Pipe Line

N 42° 03' 30" W

90°

90°

I-10 Dumped Rock
15' Length, 6' Width
2.5' Depth, Conform to Shape of Ditch

Utilities to be relocated by the owners see "Utility Adjustment" Note Sheet No. 7

For Drainage Quantities See Sheet No. 62

- 0.414 %

- 0.414 %

S.B. -3.000 %

N.B. -3.474 %

Sta. 273+30 N.B. Lt.
F.L. 1192.22

Sta. 273+46 N.B. Lt.
End 6" I-1 Pipe F.L. 1192.27

Sta. 273+46 S.B. Rt.
End 6" I-1 Pipe F.L. 1191.01

Sta. 273+46 S.B. Lt.
End 6" I-1 Pipe F.L. 1190.27

Sta. 279+78 S.B. Rt.
F.L. 1174.40

Sta. 279+96 S.B. Rt.
End 6" I-1 Pipe
F.L. 1174.50

Sta. 279+78 N.B. Lt.
F.L. 1173.60

Sta. 279+96 N.B. Lt.
End 6" I-1 Pipe F.L. 1174.50

Sta. 279+96 N.B. Rt.
End 6" I-1 Pipe F.L. 1173.67

Sta. 279+70 S.B. Lt.
F.L. 1172.63

Sta. 279+96 S.B. Lt.
End 6" I-1 Pipe F.L. 1172.71

Sta. 279+60 N.B. Rt.
F.L. 1174.40

Sta. 280+00 S.B. Lt.
Outlet 6" I-1 Pipe
F.L. 1172.25

Sta. 280+00 S.B. Rt.
Outlet 6" I-1 Pipe
F.L. 1171.49

Sta. 280+00 N.B. Lt.
Outlet 6" I-1 Pipe
F.L. 1171.11

Sta. 280+00 N.B. Rt.
Outlet 8" I-1 Pipe
F.L. 1169.35

Sta. 271+15 N.B. Rt.
F.L. 1194.50

Sta. 271+31 N.B. Rt.
End 6" I-1 Pipe
F.L. 1194.55

Sta. 271+40 N.B. Rt.
Begin 6" I-1 Pipe
F.L. 1194.00

Sta. 271+50 N.B. Rt.
Outlet 8" I-1 Pipe
F.L. 1193.00

Sta. 273+20 S.B. Lt.
F.L. 1190.19

Sta. 273+26 S.B. Rt.
F.L. 1190.95

Sta. 273+50 N.B. Lt.
Outlet 6" I-1 Pipe
F.L. 1187.22

Sta. 273+54 N.B. Lt.
Begin 6" I-1 Pipe F.L. 1191.70

Sta. 273+54 S.B. Rt.
Begin 6" I-1 Pipe F.L. 1190.41

Sta. 273+50 S.B. Lt.
Outlet 6" I-1 Pipe F.L. 1189.43

Sta. 273+54 S.B. Lt.
Begin 6" I-1 Pipe F.L. 1188.41

Sta. 273+50 S.B. Rt.
Outlet 6" I-1 Pipe F.L. 1187.79

N.B.
P.I. Sta. 272+00
Elev. 1204.65
V.C. = 1500'

S.B.
P.I. Sta. 272+54
Elev. 1200.11
V.C. = 1200'

S.B. P.T. Sta. 278+54

N.B. P.T. Sta. 279+50

Southbound

Northbound

Southbound

Northbound

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 270+00 TO STA. 280+00

FED. RD. DIVISION	STATE	PROJECT		55
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 49 Elev. 1185.57
Spike In Base 40" Sweet Cherry 225' Lt. Sta. 285+00

Emb. Dyke
Top Elev. 1158.50

131 S

132 S

133 S

134 S

40 Sod

41 Sod

St'd. Roadway Ditch

St'd Roadway Ditch

6" I-1 Pipe

SOUTHBOUND

6" I-1 Pipe

N 42°03'30" W

6" I-1 Pipe

NORTHBOUND

6" I-1 Pipe

St'd. Roadway Ditch

BEGIN SHEET STA. 280+00

END SHEET STA. 290+00

8'

42'

24'

24'

280 281 282 283 284 285 286 287 288 289 290

For Drainage Quantities
See Sheet No. 62

S.B. Elev.

N.B. Elev.

1180 1170 1160 1150 1140

S.B. Elev.: 1177.73 1176.23 1174.73 1173.23 1171.73 1170.23 1168.73 1167.23 1165.73 1164.23 1162.73 1161.23 1159.73 1158.23 1156.73 1155.23 1153.73 1152.23 1150.73 1149.23 1147.73

N.B. Elev.: 1176.86 1175.12 1173.38 1171.65 1169.91 1168.17 1166.44 1164.70 1162.96 1161.23 1159.49 1157.75 1156.01 1154.28 1152.54 1150.80 1149.07 1147.33 1145.59 1143.86 1142.12

Sta. 280+04 S.B. Rt.
Begin 6" I-1 Pipe F.L. 1173.50
Sta. 280+04 N.B. Lt.
Begin 6" I-1 Pipe F.L. 1172.75

Sta. 280+04 S.B. Lt.
Begin 6" I-1 Pipe F.L. 1171.50

Sta. 280+04 N.B. Rt.
Begin 6" I-1 Pipe F.L. 1170.75

SOUTHBOUND -3.000 %

NORTHBOUND -3.474 %

Sta. 287+74 S.B. Lt.
F.L. 1148.60
Sta. 287+79 S.B. Rt.
F.L. 1150.30

Sta. 287+79 N.B. Lt.
F.L. 1145.90

Sta. 287+96 S.B. Lt.
End 6" I-1 Pipe F.L. 1148.90
Sta. 287+96 S.B. Rt.
End 6" I-1 Pipe F.L. 1150.80

Sta. 288+00 S.B. Lt.
Outlet 6" I-1 Pipe F.L. 1148.50
Sta. 288+04 S.B. Rt.
Begin 6" I-1 Pipe F.L. 1149.70
Sta. 288+00 S.B. Rt.
Outlet 6" I-1 Pipe F.L. 1146.98
Sta. 288+04 S.B. Lt.
Begin 6" I-1 Pipe F.L. 1143.70
Sta. 287+83 N.B. Lt.
Begin 6" I-1 Pipe F.L. 1145.10

Sta. 288+00 N.B. Lt.
Outlet 6" I-1 Pipe F.L. 1143.50

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 280+00 TO STA. 290+00

FED. RD. DIVISION	STATE	PROJECT		56
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 50 Elev. 1156.00
Spike In Power Pole No. 1768
225' Lt. Sta. 293+60 On Turkeyfoot
Road Near Drive

Iron Pins
50'
150'
106°00'
292
293
℄
P.O.T. Sta. 292+12.72

REFERENCE
P.O.T. Sta. 292+12.72

BEGIN SHEET STA. 290+00

END SHEET STA. 300+00

S.R. 619
TURKEYFOOT LAKE ROAD
SOUTHBOUND
NORTHBOUND
Std. Roadway Ditch
2' Ditch
Pond
Spring
Marsh
6"I-1 Pipe
45°13'55"
N 42°03'30" W
S 42°03'30" E
N 87°17'25" E
S.E. 1/4 Section 13
N.E. 1/4 Section 13
Sta. 10+00 Turkeyfoot Lake Rd. =
Sta. 292+49.66 S.R. 8

ITEM I-15 GUARD RAIL LIN. FT.						
Ref. No.	Station to Station	Side	100% State Participation		Steel Beam (Deep)	
			Steel Beam (Deep)		Standard Type	Standard Type With Steel Posts
			Standard Type	Barrier Type		
26 GR	290+51-292+12.5	Rt.	100		62.5	
27 GR	292+82-294+44.5	Lt.	100		62.5	
	TOTAL		200		125.0	

For Drainage Quantities
See Sheet No. 62
For Plan & Profile of Turkeyfoot Lake Rd.
See Sheet No. 57 & 58

S.B. Elev. / N.B. Elev.

1160 / 1150 / 1140 / 1130 / 1120

S.B. P.I. Sta. 294+35
Elev. 1134.68
V.C. = 400'

S.B. P.C. Sta. 292+35

N.B. P.I. Sta. 293+25
Elev. 1130.83
V.C. = 440'

S.B. P.T. Sta. 296+35

N.B. P.C. Sta. 291+05

N.B. P.T. Sta. 295+45

S.B. P.C. Sta. 298+50

S.B. P.I. Sta. 301+50
Elev. 1130.37
V.C. = 600'

-3.000%
-3.474%
-0.603%
-0.593%

Sta. 292+32 S.B. Lt.
End 6"I-1 Pipe
F.L. 1137.00

Sta. 291+73 S.B. Lt.
F.L. 1136.65

Sta. 292+41 S.B. Lt.
Begin 6"I-1 Pipe
F.L. 1134.50

16.50' Actual Clear.

Sta. 292+00 S.B. Lt.
Outlet 6"I-1 Pipe
F.L. 1136.00

Sta. 293+03 N.B. Lt.
F.L. 1128.70

Sta. 293+07 N.B. Lt.
Begin 6"I-1 Pipe
F.L. 1128.65

Sta. 293+25 N.B. Lt.
Outlet 6"I-1 Pipe
F.L. 1127.50

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - STA. 290+00 TO STA. 300+00

FED. RD. DIVISION	STATE	PROJECT		57
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

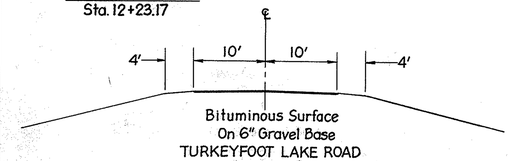
ITEM E-8		
2 E-8	Removal & Disposal of Existing Pavement	141 S.Y.

Utilities to be relocated by the Owners
See "Utility Adjustment" Note Sheet No.7

ITEM I-15 GUARD RAIL LIN. FT.						
Ref. No.	Station to Station	Side	100% State Participation		Steel Beam (Deep)	
			Steel Beam Deep		Standard Type	Std. Type w Steel Posts
			Std. Type	Barrier Type		
28GR	7+00 - 7+62.5	Lt.			62.5	
29GR	7+00 - 8+00	Rt.			100.0	
30GR	11+95 - 12+57.5	Lt.			62.5	
31GR	12+35 - 12+72.5	Rt.			37.5	
	TOTAL				262.5	

Match Line Sheet No. 58

End Approach Slab
Sta. 12+23.17



For Profile Access Road Rt.
See Sheet No.58
For Cross Sections of Turkeyfoot Lake Road
See Sheets No. 165 to 168

For Drainage Quantities
See Sheet No.62

B.M. No. 50 Elev. 1156.00
Spike in Power Pole #1768 225' Lt.
Sta. 293+60 on Turkeyfoot Rd. Near Drive

Begin Approach Slab
Sta. 7+76.83

BEGIN WORK
Sta. 3+50

Sta. 3+78.75
P.Cor. W.Side Molly Drive
I.P.
Nail in Tele. Pole #27/66
Nail in Tele. Pole #27/66½
REFERENCE
P.O.T. Sta. 3+78.75

Curve Data
Access Road
P.I. Sta. 2+82
Δ = 44°46'05" Rt.
T = 61.78'
L = 117.20'
R = 150'
P.C. Sta. 2+20.22
P.T. Sta. 3+37.42

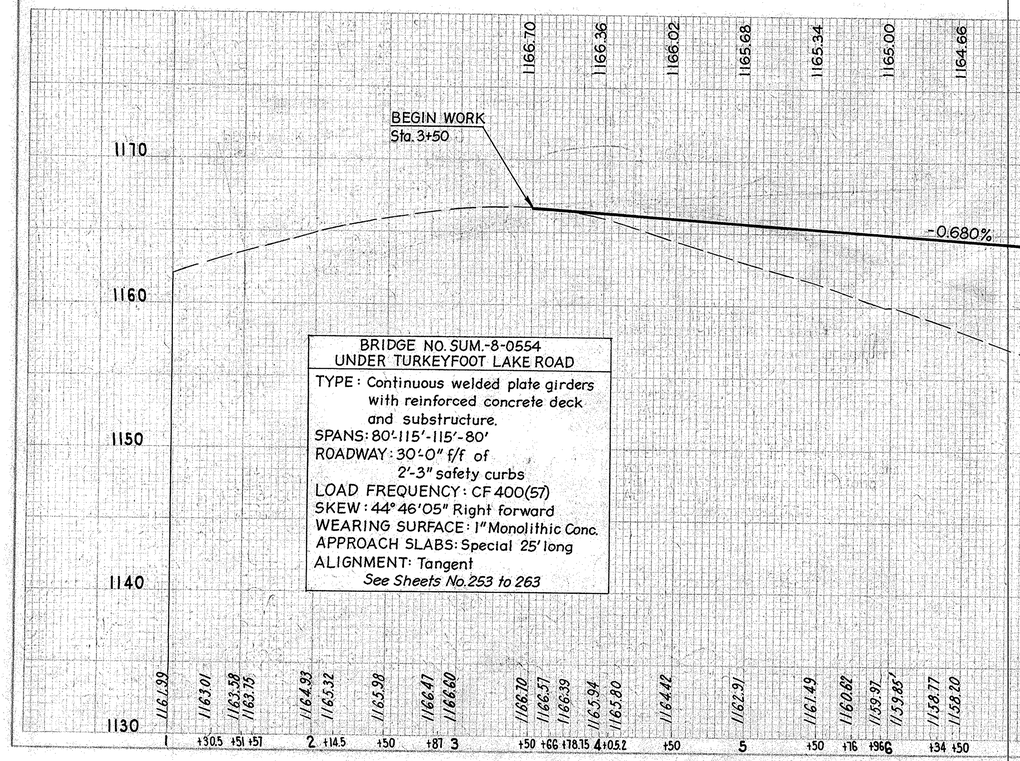
Sta. 0+00 Access Rd =
Sta. 6+00 Turkeyfoot Lake Rd.
S 2°42'35" W
P.I. Sta. 0+66
Δ = 90°00'00" Lt.
No Curve

P.I. Sta. 1+12
Δ = 16°30'00" Lt.
No Curve

Curve Data
Access Road
P.I. Sta. 1+70
Δ = 16°30'00" Rt.
T = 36.25'
L = 72.99'
R = 250.00'
P.C. Sta. 1+33.75
P.T. Sta. 2+06.74

END WORK
Sta. 5+50

TURKEYFOOT LAKE ROAD
S 87°17'25" E
N 67°12'35" E
S 87°17'25" E
N 42°03'30" W
S 42°31'20" E



BRIDGE NO. SUM.-8-0554 UNDER TURKEYFOOT LAKE ROAD
TYPE: Continuous welded plate girders with reinforced concrete deck and substructure.
SPANS: 80'-115'-115'-80'
ROADWAY: 30'-0" f/f of 2'-3" safety curbs
LOAD FREQUENCY: CF 400(57)
SKEW: 44°46'05" Right forward
WEARING SURFACE: 1" Monolithic Conc.
APPROACH SLABS: Special 25' long
ALIGNMENT: Tangent
See Sheets No.253 to 263

DRIVES & MAIL BOX APPROACHES						
Station	Side	E-1 Roadway		T-35 2" C.Y.	I-18 6" C.Y.	T-70 7" S.Y.
		Exc. C.Y.	Emb. C.Y.			
3+65	Lt.	4	-	3	8	-
4+00	Rt.	15	-	6	17	-
5+00	Lt.	-	-	2	6	-
6+80	Lt.	-	200	19	54	-
12+95	Lt.	-	300	13	37	
3+50	(Access Rt.)	44	-	-		128
TOTAL		19	544	43	122	128

ITEM I-13 4" CONCRETE SIDEWALK				
Station	Length	Width	Sq.Ft.	Remarks
3+00 Access Road	24.0'	5.0'	120.0'	Rt.

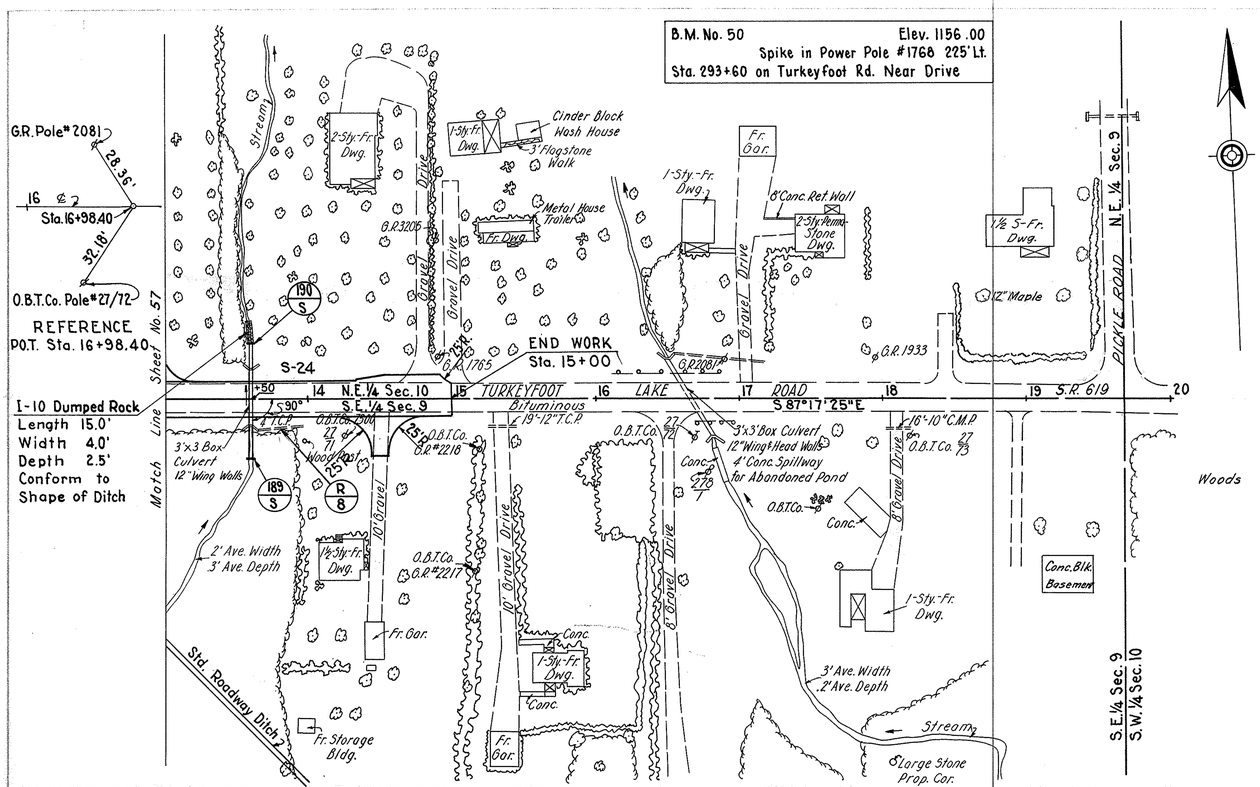
Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET - TURKEYFOOT LAKE ROAD
STA. 1+00 TO STA. 13+00

F.A. NO. DIVISION	STATE	PROJECT		58
2	OHIO			

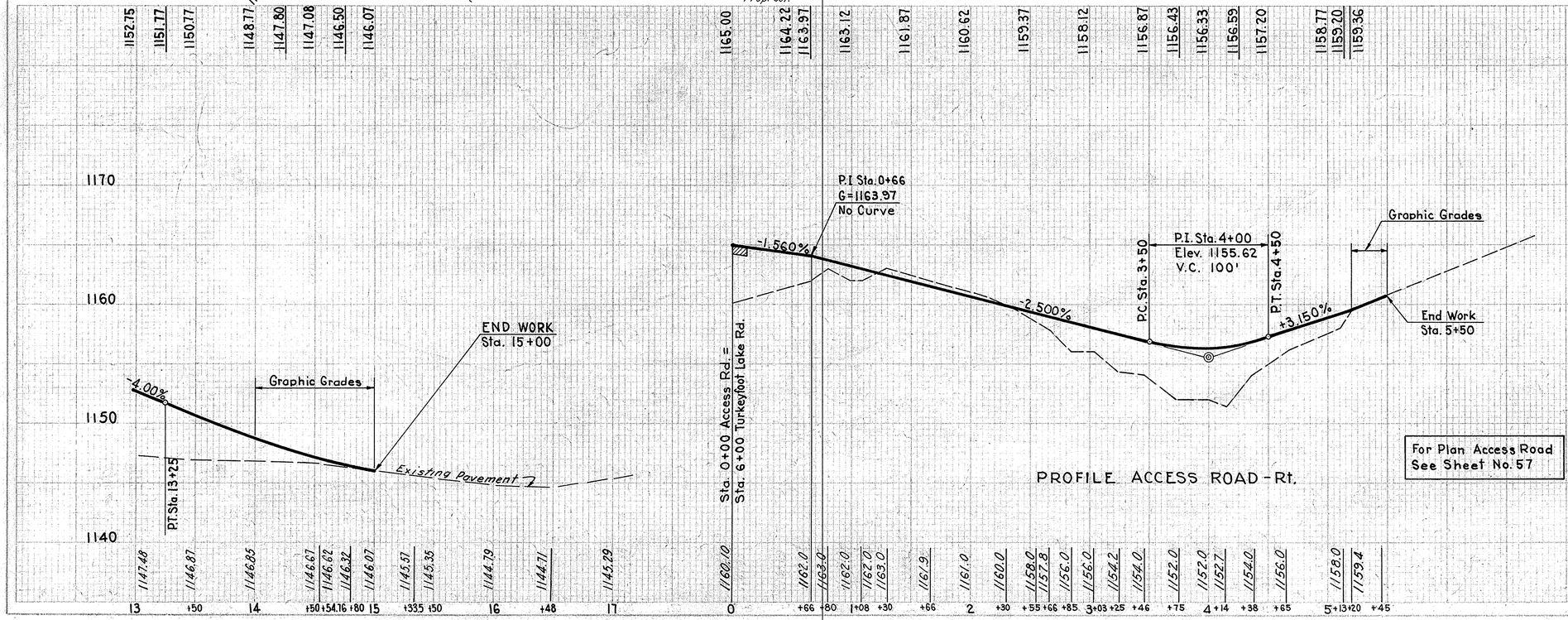
SUMMIT COUNTY
SUM-8-1.89

B.M. No. 50 Elev. 1156.00
Spike in Power Pole #1768 225' Lt.
Sta. 293+60 on Turkeyfoot Rd. Near Drive



For Drainage Quantities
See Sheet No. 62

DRIVES & MAIL BOX APPROACHES					
Station	Side	E-1 ROADWAY Exc. C.Y.	E-1 ROADWAY Emb. C.Y.	T-35 2" C.Y.	I-18 6" C.Y.
14+50	Rt.	4	4	4	11
14+80	Lt.	2	-	2	6
TOTAL		6	4	6	17



PROFILE ACCESS ROAD - Rt.

For Plan Access Road
See Sheet No. 57

Scale: Hor. 1"=50'
Vert. 1"=5'

PLAN & PROFILE SHEET-TURKEYFOOT LAKE ROAD
STA. 13+00 TO STA. 19+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

59

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 51 Elev. 1127.95
Spike in Base 36" Triple Cherry
225' Lt. Sta. 305+00

I-10 Dumped Rock
Length=6.0', Width=6.0'
Depth=1.5' Conform to Shape of Ditch

I-10 Dumped Rock
Length=25.0', Width=8.0'
Depth=2.5' Conform to Shape of Ditch

BEGIN SHEET STA. 300+00

END SHEET STA. 310+00

Small Trees & Light Brush

Wooded Area

Wooded Area

Std. Roadway Ditch

Toe Ditch

Toe Ditch

Toe Ditch

Fence

Fence

Ditch

6"I-1 Pipe

SOUTHBOUND

NORTHBOUND

N 42°03'30"W

90°

13.0'

9.0'

9.0'

6.0'

7.0'

24'

42'

42'

24'

147 S

44 Sod

45 Sod

46 Sod

47 Sod

153 S

152 S

150 S

149 S

148 S

43 Sod

32 GR

300 301 302 303 304 305 306 307 308 309 310

For Detail of U-Turn Median Opening See Sheet No. 185

For Drainage Quantities See Sheet No. 62

ITEM I-15 GUARD RAIL LIN. FT.				
Ref. No.	Station to Station	Side	Steel Beam (Deep)	
			Standard Type	Std. Type With Stl. Posts
32GR	303+50 to 310+50	Rt.	700	

S. B. Elev. ⟹ 1131.12 1130.92 1130.70 1130.48 1130.26 1130.02 1129.77 1129.52 1129.26 1128.98 1128.70 1128.42 1128.12 1127.82 1127.50 1127.18 1126.85 1126.52 1126.17 1125.47 1124.77 1124.07 1123.38 1122.68 1121.98 1121.28 1120.58 1119.88 1119.18

N. B. Elev. ⟹ 1126.83 1126.53 1126.23 1125.94 1125.64 1125.34 1125.05 1124.75 1124.46 1124.31 1124.14 1123.97 1123.79 1123.61 1123.42 1123.21 1123.00 1122.78 1122.55 1122.31 1122.08 1121.82 1121.56 1121.29 1121.01 1120.72 1120.43 1120.13 1119.81 1119.49 1119.16 1118.83 1118.48

1140 1130 1120 1110 1100

Sta. 300+84 S.B. Rt.
Begin 6" I-1 Pipe F.L. 1126.25

Sta. 300+80 S.B. Rt.
F.L. 1126.20

Sta. 301+00 S.B. Rt.
Outlet 6" I-1 Pipe
F.L. 1124.00

Sta. 300+95 N.B. Lt.
F.L. 1121.90

Sta. 301+00 N.B. Lt.
Outlet 6" I-1 Pipe
F.L. 1121.50

Sta. 301+10 N.B. Lt.
Begin 6" I-1 Pipe
F.L. 1121.80

Sta. 301+00 N.B. Rt.
F.L. 1119.90

Sta. 301+30 N.B. Rt.
End 6" I-1 Pipe
F.L. 1120.00

-0.603%

-0.593%

S.B. P.I. Sta. 301+50 Elev. 1130.37 V.C. 600'

Sta. 301+40 N.B. Rt.
Begin 6" I-1 Pipe
F.L. 1119.70

Sta. 301+40 N.B. Rt.
Outlet 8" I-1 Pipe
F.L. 1118.00

N.B. P.C. Sta. 304+00

S.B. P.T. Sta. 304+50

N.B. P.I. Sta. 307+00 Elev. 1122.68 V.C. 600'

Sta. 308+39 S.B. Lt.
Begin 6" I-1 Pipe
F.L. 1116.60

Sta. 308+55 N.B. Lt.
Begin 6" I-1 Pipe
F.L. 1116.00

Sta. 308+73 S.B. Rt.
F.L. 1116.20

Sta. 308+77 S.B. Rt.
Begin 6" I-1 Pipe
F.L. 1116.10

-1.399%

Sta. 308+73 S.B. Rt.
F.L. 1116.20

Sta. 309+00 S.B. Rt. & N.B. Lt.
Outlet 6" I-1 Pipe
F.L. 1113.00

N.B. P.T. Sta. 310+00

Sta. 308+35 S.B. Lt.
F.L. 1116.70

Sta. 308+51 N.B. Lt.
F.L. 1116.10

Sta. 309+00 S.B. Lt.
Outlet 8" I-1 Pipe
F.L. 1108.50

1128.1 1125.2 1122.5 1119.1 1117.4 1112.7 1111.0 1109.4 1109.1 1110.1 1108.9

300 301 302 303 304 305 306 307 308 309 310

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA. 300+00 TO STA. 310+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

60

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 52 Elev. 1120.83
Spike in Base 30" Elm
400' Rt. Sta. 320+00

1-10 Dumped Rock
Length 15.0'
Width 20.0'
Depth 2.5'
Conform to Shape of Ditch

Wooded Area

Sta. 316+00.00 Bk. = Sta. 317+00.00 Ah.

BEGIN SHEET STA. 310+00

END SHEET STA. 320+00

155 S

158 S

157 S

Toe Ditch

6" I-1 Pipe

SOUTHBOUND

NORTHBOUND

24'

42'

+15

60'

310 311 312 313 314 315 318 319 320

N 42°03' 30" W

90°

15

15'

Fence

Std. Roadway Ditch

32 GR

154 S

48 Sod

156 S

For Drainage Quantities
See Sheet No. 62.

16' Gravel Road

Fence

Ditch

1130 1120 1110 1100 1090

1118.48 1117.78 1117.08 1116.38 1115.68 1114.98 1114.28 1113.58 1112.88 1112.18 1111.48

1110.78 1110.08 1109.39 1108.69 1107.99 1107.29 1106.59 1105.89

Sta. 310+12 N.B. Rt.
Begin 6" I-1 Pipe F.L. 1114.30

Sta 310+08 N.B. Rt.
F.L. 1114.35

Sta. 311+26 S.B. Lt.
Begin 6" I-1 Pipe F.L. 1113.65

-1.399 %

Sta. 311+22 S.B. Lt.
F.L. 1113.70

N.B. P.T. Sta. 310+00

Sta. 311+74 S.B. Lt.
Outlet 8" I-1 Pipe F.L. 1101.50

Sta. 310+47 N.B. Rt.
Outlet 8" I-1 Pipe F.L. 1104.00

Sta. 319+98 S.B. Lt.
End 6" I-1 Pipe F.L. 1102.50

Sta. 319+98 S.B. Rt.
End 6" I-1 Pipe F.L. 1102.30

Sta. 319+62 S.B. Lt.
F.L. 1102.40

Sta. 319+78 N.B. Lt. & S.B. Rt.
F.L. 1102.20

Sta. 319+82 N.B. Lt.
Begin 6" I-1 Pipe F.L. 1102.10

Sta. 320+00 S.B. Rt. & N.B. Lt.
Outlet 6" I-1 Pipe F.L. 1100.00

Sta. 320+00 S.B. Lt.
Outlet 8" I-1 Pipe F.L. 1099.00

Sta. 316+00 Bk. = Sta. 317+00 Ah.

1109.9 1104.3 1105.9 1106.6 1108.5 1111.1 1111.0 1109.5 1105.8 1103.6

310 311 312 313 314 315 316 318 319 320

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA. 310+00 TO STA. 320+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

B.M. No. 52 Elev. 1120.83
Spike In Base 30" Elm
400' Rt. Sta. 320+00

BEGIN SHEET STA. 320+00

END SHEET STA. 330+00

12"C.M.P.
Spring
Fence
1" Spring Branch
Cultivated Field
Toe Ditch
Toe Ditch
10' Gravel Road
50 Sod
159a S
160 S
Spring
Fence
Marsh
124"
+00
6"I-1 Pipe
SOUTHBOUND
6"I-1 Pipe
Conc. Slab
24' TCP
Timber Barn
Fr. Barn
Conc. Apron
320 321 322 323 324 325 90° 326 327 N 42°03'30"W 328 329 330 90°
Springs
24'
42'
42'
24'
6"I-1 Pipe
NORTHBOUND
6"I-1 Pipe
15'
16'
12'
Std. Roadway Ditch
48 Sod
I-10 Dumped Rock
Length=38.0', Width=4.0',
Depth=1.5', Conform to
Shape of Ditch
I-10 Dumped Rock
Length=38.0', Width=4.0',
Depth=1.5', Conform to
Shape of Ditch
Open Pasture
159 S
51 Sod
161 S
162 S
Fence
Fence

15
15

For Drainage Quantities
See Sheet No. 62

1105.89 1105.19 1104.49 1103.79 1103.09 1102.39 1101.69 1100.99 1100.29 1099.59 1098.89 1098.19 1097.49 1096.79 1096.09 1095.40 1094.70 1094.00 1093.30 1092.60 1091.90

1110
1100
1090
1080
1070

Sta. 320+02 S.B. Lt. & Rt.
Begin 6"I-1 Pipe
F.L. 1101.75 ±

-1.399%

Sta. 329+70 N.B. Rt.
F.L. 1088.20

Sta. 329+80 S.B. Rt. & N.B. Lt.
F.L. 1088.00

Sta. 329+84 S.B. Rt.
Begin 6"I-1 Pipe
F.L. 1088.00

Sta. 329+98 N.B. Rt.
End 6"I-1 Pipe
F.L. 1088.40

Sta. 329+98 N.B. Lt.
End 6"I-1 Pipe
F.L. 1088.10

Sta. 330+00 S.B. Rt. & N.B. Lt.
Outlet 6"I-1 Pipe
F.L. 1087.45

Sta. 330+00 N.B. Rt.
Outlet 8"I-1 Pipe
F.L. 1086.52

1103.6 1103.0 1102.7 1104.3 1103.9 1104.2 1103.2 1101.3 1098.0 1098.4 1096.8 1088.1 1089.6 1088.7 1088.1 1087.5

320 321 322 323 324 325 326 327 328 329 330

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA.320+00 TO STA.330+00

SUB - SUMMARY

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

SEE SHEET NO.		REF. NO.		STATION TO STATION		SIDE	I-1 LIN. FT.																						I-2 C.Y.	I-5	I-8 EACH				I-9 LIN FT.	I-10 C.Y.		L-10 S.Y.		E-12 LIN. FT.		S-24 LUMP	REMARKS	SEE SHEET NO.	
							CLASS A-1								CLASS E-1								CLASS F-1			CLASS I-3	CLASS C-1																			
							15" M-6.6(a) or M-6.8(b)	15" M-6.6(b) or M-6.8(b)	18" M-6.6(a) or M-6.8(b)	24" M-6.6(a) or M-6.8(b)	24" M-6.6(b) or M-6.8(b)	36" M-6.6(a) or M-6.8(b)	48" M-6.6(b) or M-6.4(d)	18"H-6.6(b) or M-6.8(b)	15"	15" M-6.6(a) or M-6.8(b)	15" M-6.6(b) or M-6.8(b)	18"	18" M-6.6(b) or M-6.8(b)	24"	24" M-6.6(b) or M-6.8(b)	12"	15"	24"	6" M-6.4 (h)(c)	12"	Masonry Class "C"	24" Pipe Specials 15° Elbows M-6.4(c)	Std. No. 2-2-A C.B.(Mod.)	Std. No. 5 C.B.	Std. No. 8 C.B.	Std. No. 1 Manhole	Stone Underdrain No. 1 As Per Plan	Dumped Rock Channel		For Ditches	Special Slope & Berm Protection	15" And Under	Over 15"	Removal of Structure			
Plan	Profile	From	To	From	To																																						Plan	Profile
49&50		116 S	116aS	256 + 00	260 + 50	Lt.													450											1												49&50	
53		116aS	119 S	260 + 50	265 + 00	Lt.													450											1												53	
		118 S	119 S	256 + 00	265 + 00	Lt.	76																																			
		119 S	120 S	265 + 00	265 + 00	Rt. & Lt.											38													1												
		119 S	119aS	265 + 00	269 + 00	Lt.													400											1												
53&54		119aS	122 S	269 + 00	273 + 50	Lt.													450											1												53&54	
	215	121 S	122 S	273 + 50	273 + 50	Lt.			76																						1												215
		122 S	123 S	273 + 50	273 + 50	Lt. & Rt.														38										1												
54		123 S	124 S	273 + 50	273 + 50	Rt.					110																		0.41						8.5							54	
		125 S	125aS	271 + 25	271 + 50	Rt.																				60							3.0								
		126 S	127 S	280 + 00	280 + 00	Lt.									40													0.26			1										
		127 S	128 S	280 + 00	280 + 00	Lt.				76																					1											
		128 S	129 S	280 + 00	280 + 00	Lt. & Rt.													38											1											
		129 S	130 S	280 + 00	280 + 00	Rt.				88																		0.41													
55		131 S	132 S	287 + 90	288 + 00	Lt.									40															1	1											
	218	132 S	133 S	288 + 00	288 + 00	Lt.			76																						1										55	218
		133 S	134 S	288 + 00	288 + 00	Lt. & Rt.												38													1											
55&56		134 S	146 S	288 + 00	293 + 25	Rt.												526						48							1										55&56	
57	216	135 S	136 S	3 + 81	4 + 29	Rt.																					220				1									Turkeyfoot Lake Road	57	216
		137 S	138 S	5 + 80	8 + 00	Rt.																					60												Turkeyfoot Lake Road		
		138 S	139 S	8 + 00	8 + 25	Rt.																																		Turkeyfoot Lake Rd.-Access Rd.		
	217	140 S	141 S	3 + 35	3 + 75	Rt.																			40															217
		142 S	143 S	292 + 00	292 + 00	Lt.																				98			2	1	1										
		143 S	145 S	292 + 00	293 + 70	Lt. & Rt.					216																						1									
56	218	144 S	145 S	293 + 25	293 + 70	Lt. & Rt.									68																	1									56	218
		146 S	145 S	293 + 25	293 + 70	Rt.												46														1									
		145 S	145aS	293 + 25	297 + 00	Rt.						376																				1									
56&59		145aS	148 S	297 + 00	301 + 00	Rt.						400																				1									56&59	
	216	147 S	149 S	301 + 00	301 + 00	Lt. & Rt.										38																1									216
		149 S	148 S	301 + 00	301 + 00	Rt.										16																1									
59	218	148 S	150 S	301 + 00	301 + 75	Rt.						104																	0.59						20.0					59	218
																																									216
	217	152 S	153 S	309 + 00	309 + 00	Lt.		118																					0.26			1			2.0						217
	207	154 S	155 S	310 + 53	311 + 76	Lt. & Rt.							246																26.6						28.0						207
60		156 S	157 S	320 + 00	320 + 00	Rt. & Lt.								38																	2									60	
		157 S	158 S	320 + 00	320 + 00	Lt.	86																						0.26											
	217	159 S	159aS	326 + 00	326 + 00	Rt.																				130							3.0							217
61		160 S	161 S	330 + 00	330 + 00	Lt. & Rt.								38																	2									61	
		161 S	162 S	330 + 00	330 + 00	Rt.	80																						0.26						2.0						
58	208	189 S	190 S	13 + 59	13 + 59	Rt. & Lt.							80																1.52						5.5					Lump	Turkeyfoot Lake Road	58	208
53&54		NM	36 Sod	266 + 00	270 + 50	Rt.																													650							53&54	
54		NM	37 Sod	270 + 50	273 + 60	Rt.																													276							54	
		NM	38 Sod	270 + 00	273 + 50	Lt.																													427								
		NM	39 Sod	278 + 50	280 + 00	Lt.																													133								
55		NM	40 Sod	286 + 00	288 + 00	Lt.																													178							55	
55&56		NM	41 Sod	288 + 90	291 + 25	Rt.																													209							55&56	
56		NM	42 Sod	291 + 35	292 + 00	Lt.																													51							56	
59		NM	43 Sod	300 + 25	303 + 25	Rt.																													334							59	
		NM	44 Sod	300 + 00	304 + 00	Lt.																													578								
		NM	45 Sod	304 + 00	306 + 00	Lt.																													200								
		NM	46 Sod	306 + 00	309 + 00	Lt.																													300								
		NM	47 Sod	309 + 00	309 + 00	Lt.																													10								
60&61		NM	48 Sod	319 + 00	322 + 00	Rt.																													500							60&61	
		NM	49 Sod	322 + 00	325 + 00	Rt.																													533								
61		NM	50 Sod	322 + 85	326 + 00	Lt.																													280							61	
				321 + 00		Rt.																														9.0								
				325 + 00		Rt.																														9.0								
57			4-R	3 + 82	4 + 26	Rt.																																	44		Turkeyfoot Lake Road		
			5-R	5 + 86	6 + 06	Rt.																																20		Turkeyfoot Lake Road	57	
			6-R	6 + 28	6 + 45	Rt.																																17		Turkeyfoot Lake Road		
			7-R	7 + 15	7 + 47	Lt.																																32		Turkeyfoot Lake Road		
58			8-R	13 + 66	13 + 97	Rt.																																31		Turkeyfoot Lake Road	58	
57				12 + 35		Rt.																																	32		Turkeyfoot Lake Road	57	
				12 + 00		Lt.																																	32		Turkeyfoot Lake Road		
							242	118	152	164	326	880	246	80	224	54	38	572	38	1788	38		48	40	98	190	280	30.57	2	3	4	20	3		6.0	84.00	4659	64	100	44	Lump			

SUB - SUMMARY

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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SUMMIT COUNTY
SUM-8-1.89

B.M. No. 53 Elev. 1079.78
Spike In Root 18" Elm
225' Lt. Sta. 334+25

Open Pasture
Fence
Toe Ditch
Marsh
6" I-1 Pipe
SOUTHBOUND
NORTHBOUND
Wooded Area
Spring
Swamp
Cultivated Field
52 Sod
54 Sod
160 S
161 S
162 S
163 S
163a S
164 S
165 S
166 S
166a S
167 S
168 S
169 S
33 GR
34 GR
BEGIN SHEET STA. 330+00
END SHEET STA. 340+00
330 331 332 333 334 335 336 337 338 339 340
N 42° 03' 30" W
70°
90°
10.0'
18.0'
+50
+14
12'
24'
42'

I-10 Dumped Rock
Length 6.0'
Width 6.0'
Depth 1.5'
Conform to
Shape of Ditch

I-10 Dumped Rock
Length 15.0'
Width 8.0'
Depth 2.5'
Conform to
Shape of Ditch

ITEM I-15 GUARD RAIL			LIN. FT.	
Ref. No.	Station to Station	Side	Temporary Guard Rail	
33GR	339+00	Lt.	37.5	
34GR	337+20 - 347+20	Rt.	1000.0	
Total			1037.5	

For Plan & Profile of Ramp A
See Sheet No. 66

For Drainage Quantities
See Sheet No. 71

1100 1090 1080 1070 1060

1091.90 1091.55 1091.21 1090.88 1090.56 1090.24 1089.93 1089.62 1089.33 1089.04 1088.75 1088.48 1088.21 1087.95 1087.69 1087.45 1087.21 1086.97 1086.75 1086.53 1086.32 1086.11 1085.91 1085.72 1085.54 1085.18 1084.82 1084.46 1084.10 1083.74 1083.38 1083.02 1082.66

P.C. Sta. 330+00
P.I. Sta. 333+00
Elev. 1087.70
V.C. 600'
P.T. Sta. 336+00

-1.399%
-0.720%

Sta. 330+02 N.B. Rt. & Lt.
Begin 6" I-1 Pipe F.L. 1087.75

Sta. 331+70 S.B.-Lt.
F.L. 1085.40

Sta. 331+74 S.B.-Lt.
Begin 6" I-1 Pipe F.L. 1085.35

Sta. 332+00 S.B.-Lt.
Outlet 8" I-1 Pipe F.L. 1084.50

Sta. 336+60 S.B.-Lt.
F.L. 1080.50

Sta. 336+64 S.B.-Lt.
Begin 6" I-1 Pipe F.L. 1080.50

Sta. 337+00 S.B.-Lt.
Outlet 8" I-1 Pipe F.L. 1075.00

Sta. 338+50 N.B.-Rt.
F.L. 1079.20

Sta. 338+54 N.B.-Rt.
Begin 6" I-1 Pipe F.L. 1079.20

Sta. 338+80 N.B.-Lt. S.B.-Rt.
F.L. 1079.00

Sta. 338+84 S.B.-Rt.
Begin 6" I-1 Pipe F.L. 1079.00

Sta. 338+98 N.B.-Lt.
End 6" I-1 Pipe F.L. 1079.10

Sta. 339+02 N.B.-Lt.
Begin 6" I-1 Pipe F.L. 1078.85

Sta. 339+00 N.B.-Lt. & S.B.-Rt.
Outlet 6" I-1 Pipe F.L. 1078.50

Sta. 339+00 N.B.-Rt.
Outlet 8" I-1 Pipe F.L. 1074.00

1087.5 1086.9 1087.3 1084.5 1081.4 1077.3 1076.1 1075.4 1073.2 1073.1 1074.0 1075.0 1076.3 1076.8 1076.8 1076.5

330 331 332 333 334 335 336 337 338 339 340

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA. 330+00 TO STA. 340+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

B.M. No. 54 Elev. 1078.56
Spike In Root 14" Plum Near
Brick Farm House Drive 225' Lt. Sta.
341 + 00

50' Iron Pins
150'
Hub on Tangent
345 ℄ 684.06' 346
P.C. Sta. 345+29.85

REFERENCE
P.C. Sta. 345+29.85

BEGIN SHEET STA. 340 + 00

St'd. Roadway Ditch
6"I-I Pipe
RAMP A
SOUTHBOUND
24'
42'
42'
24'
NORTHBOUND
12'
6"I-I Pipe
340 341 342 343 344 345
N 42°03'30"W
℄ P.C. Sta. 345+29.85
I.P.
Begin Var. Median
346 347 348 349 350
Elev. 1077.1
90° Tan To Curve
END SHEET STA. 350 + 00

Fence
5'
8'
I-10 Dumped Rock
6' Length 6' Width
1.5' Depth Conform
to Shape of Ditch
Apple Orchard
Blackberry Patch
55 Sod
56 Sod
57 Sod
172 S
173 S
170 S
171 S
35 GR
34 GR
36 GR
Gut
Dwg.
RAMP C
Std. Roadway Ditch
Raspberry Patch
Toe Ditch
Shrubs & Hedge
1-5' Fr. Dwg.
Cinder Dr.
ESSIG ROAD

I.P. 78' Rt. = P.C. Sta. 342+25
Ramp "C"
40'R
5'R
35'R
9'
CHALLOWETH ROAD
Flower Garden
Shrubs
1-5' Br. Dwg.
S.B. P.C. Sta. 345+28.95 - 42' Lt.
1-5' Blk. Ft. Dwg. Conc.
N.B. P.C. Sta. 345+30.75 - 42' Rt.

P.I. Sta. 360+76.55 ℄
P.I. Sta. 360 + 77.45 N.B.
P.I. Sta. 360 + 75.65 S.B.
Δ - 43°12'00" Rt.
D - 1°28'00"
R - 3906.53'
T - 1546.71'
L - 2945.45'
E - 295.05'

For Plan & Profile of Ramp A
See Sheet No. 66

For Chenoweth Rd. Cul-De-Sac Details
See Sheet No. 199

For Drainage Quantities
See Sheet No. 71

For Plan & Profile of Ramp C
See Sheet No. 67 & 68

ITEM I-15 GUARD RAIL LIN. FT.				
Ref. No.	Station to Station	Side	Steel Beam (Deep) Standard Type	Steel Beam (Deep) Std. Type With Std. Posts
35GR	346+50 to 355+00	Lt.	850	
36GR	349+50 to 354+75	Rt.	525	
TOTAL			1375	

N.B. ℄ Stations	Elev.
1100	
340	1082.66
341	1082.30
342	1081.94
343	1081.58
344	1081.22
345	1080.86
346	1080.50
347	1080.14
348	1079.88
349	1079.78
350	1079.61
351	1079.46
352	1079.31
353	1079.18
354	1079.06
355	1079.06

S.B. ℄ Stations	Elev.
340	1082.66
341	1082.30
342	1081.94
343	1081.58
344	1081.22
345	1080.86
346	1080.50
347	1080.14
348	1079.78
349	1079.42
350	1079.06
351	1078.95
352	1078.85
353	1078.77
354	1078.69
355	1078.63
356	1078.58
357	1078.56
358	1078.54
359	1078.51
360	1078.50
361	1078.49
362	1078.50
363	1078.52
364	1078.55
365	1078.59
366	1078.65
367	1078.71
368	1078.79
369	1078.88
370	1078.92
371	1078.98

1090
1080
1070
1060

N.B. ℄ P.I. Sta. 346+85.71
Elev. 1077.72
V.C. 600'
N.B. P.C. Sta. 343+85.71
℄ P.C. Sta. 348+00
℄ P.T. Sta. 349+85.71
-0.720%
+0.400%
-0.720%
N.B. Lane
S.B. Lane

Sta. 343+75 N.B. Lt. & S.B. Rt.
F.L. 1075.90

Sta. 346+50 S.B. Lt.
Begin 6"I-I Pipe
F.L. 1071.80

Sta. 347+10 N.B. Rt.
Begin 6"I-I Pipe
F.L. 1074.25

Sta. 348+50 S.B. Rt.
F.L. 1072.10

Sta. 348+70 S.B. Rt.
Outlet 6"I-I Pipe
F.L. 1071.50

Sta. 348+65 S.B. Lt.
F.L. 1070.50

Sta. 348+50 N.B. Lt.
F.L. 1073.90

Sta. 348+54 N.B. Lt.
Begin 6"I-I Pipe
F.L. 1073.90

Sta. 348+70 N.B. Lt.
Outlet 6"I-I Pipe
F.L. 1073.00

Sta. 348+90 N.B. Lt. & Rt.
F.L. 1073.75

Sta. 349+15 N.B. Rt.
Outlet 8"I-I Pipe
F.L. 1073.00

Sta. 349+36 N.B. Rt.
End 6"I-I Pipe
F.L. 1074.00

Sta. 348+88 S.B. Lt.
End 6"I-I Pipe
F.L. 1070.60

Sta. 348+92 S.B. Lt.
Begin 6"I-I Pipe
F.L. 1070.50

Sta. 348+81 S.B. Rt.
Begin 6"I-I Pipe
F.L. 1072.05

Sta. 348+77 S.B. Rt.
End 6"I-I Pipe
F.L. 1072.20

Sta. 349+00 S.B. Lt.
Outlet 8"I-I Pipe
F.L. 1070.10

Sta. 349+40 N.B. Rt.
F.L. 1074.00

1078.5 1075.4 1077.0 1080.4 1087.9 1100.6 1100.6 1095.8 1085.8 1077.4 1085.3

340 341 342 343 344 345 346 347 348 349 350

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA. 340+00 TO STA. 350+00

FED. RD. DIVISION	STATE	PROJECT		65
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 56 Elev. 1057.12
Cut in H.W. West side Arlington Street (S.R. 241)
Marked U.E. 1057/3 225' Lt. Sta. 354+60

Iron Pin
180'
175'
Iron Pins
P.I. Sta. 360+76.55 ℄
295.05'
823.26'
Hub on Tangent
360
361
REFERENCE
P.I. Sta. 306+76.55 ℄

I-10 Dumped Rock
Length = 6.0', Width = 6.0',
Depth = 1.5' Conform to
Shape of Ditch

END PAVEMENT S.B. LANE
Sta. 354+00 S.B.

END PROJECT
Sta. 355+00 ℄

END PAVEMENT N.B LANE
Sta. 354+88 N.B.

END WORK
Sta. 365+00 ℄

Sta. 357+60.00 ℄ I.R. 77 =
Sta. 20+00 ℄ Arlington St. Reloc.

I 77-4 (17) 113

BEGIN SHEET STA. 350+00

P.I. Sta. 360+76.55 ℄
P.I. Sta. 360+77.45 N.B.
P.I. Sta. 360+75.65 S.B.
Δ = 43°12'00" Rt.
D = 1°28'00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

I-10 Dumped Rock
Length = 6.0', Width = 6.0',
Depth = 1.5', Conform to
Shape of Ditch

For Interchange Grading Plan
See Sheet No. 201

For Plan & Profile of Ramp C & C-C
See Sheet No. 67 thru 69

For Drainage Quantities
See Sheet No. 71

℄ Stations	N.B. Elev.	℄ Stations	S.B. Elev.
350	1078.98	350	1075.83
	1079.18		1075.75
	1079.38	351	1075.68
	1079.58		1075.63
	1079.78		1075.58
	1079.98	352	1075.55
	1080.18		1075.52
	1080.38		1075.51
	1080.58		1075.51
355	1080.98		1075.53
		353	1075.55
			1075.59
			1075.63
		354	1075.69
			1075.76
			1075.85
		355	1075.94
			1076.14
			1076.34

N.B. Lane +0.400%
S.B. Lane +0.400%
-0.720%

Sta. 351+83 S.B. Lt. & Rt.
End 6" I-I Pipe
F.L. 1071.50

Sta. 351+87 S.B. Lt. & Rt.
Begin 6" I-I Pipe
F.L. 1071.15

Sta. 351+35 S.B. Lt.
F.L. 1071.30

Sta. 352+40 S.B. Lt.
F.L. 1071.00

Sta. 352+00 S.B. Rt.
F.L. 1071.11

Sta. 351+70 S.B. Rt.
F.L. 1071.20

Sta. 351+85 S.B. Rt.
Outlet 6" I-I Pipe
F.L. 1070.50

Sta. 351+85 S.B. Lt.
Outlet 8" I-I Pipe
F.L. 1058.00

P.I. Sta. 351+00 ℄
S.B. V.C. = 600'
Elev. 1074.74

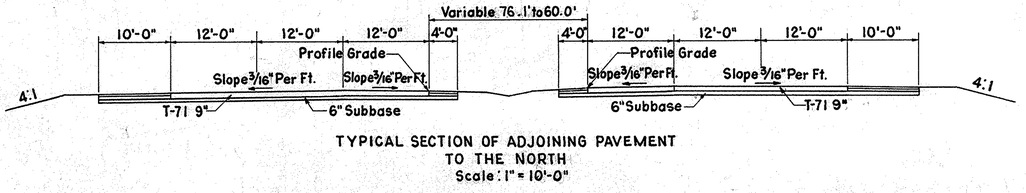
P.T. Sta. 354+00 ℄

Sta. 355+00 N.B. Lt. & Rt.
End 6" I-I Pipe
F.L. 1076.10

Sta. 355+00 S.B. Lt. & Rt.
End 6" I-I Pipe
F.L. 1071.70

SUM-8-1.89
End Project No. 2
Begin Project No. 3
SUM-8-6.72

Future



TYPICAL SECTION OF ADJOINING PAVEMENT
TO THE NORTH
Scale: 1" = 10'-0"

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PLAN & PROFILE SHEET-STA. 350+00 TO STA. 360+00

FED. RD. DIVISION	STATE	PROJECT		66
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 56 Elev. 1057.12
Cut in H.W. West side Arlington Street
(S.R. 241) Marked U.E. 1057/3 225'
Lt. Sta. 354+60

For Intersection Detail of Ramp A & Arlington St.
See Sheet No. 199

For Cross Section of Ramp A
See Sheets No. 169 & 170

I.R. 77 ℄
P.I. Sta. 360+76.55
Δ - 43°12'00" Rt.
D - 1°28'00"
T - 1546.70'
L - 2945.45'
R - 3906.53'
E - 295.05'

RAMP A
P.I. Sta. 50+06.95
Øs - 14°00'00" Lt.
L.S. - 200'
L.T. - 133.75'
S.T. - 67.05'

RAMP A
P.I. Sta. 51+38.65
Δ - 18°10'18" Lt.
D - 14°00'00"
T - 65.45'
L - 129.80'
R - 409.26'

P.O.T. Sta. 339+00 - M 91' Lt. =
P.O.T. Sta. 339+00 - Ramp A

Std. Roadway Ditch
6"I-I Pipe
N 43°15'07"W
SOUTHBOUND
RAMP A
I.R. 77
N 42°03'30"W
P.C. Sta. 345+29.85
Fence
Ø GR 178
ARLINGTON 12 STREET
N 72°34'35" E
Future Construction
JARVIS RD. RELOC.
Sta. 53+60.54 - Ramp A =
Sta. 13+74.74 - Arlington St. Const. ℄
Ø Co. GR 177
RAMP B
78°00'00" Rt.
13 C.H. 15
50'R
Ø GR 1622
END WORK
Sta. 53+52
15 ℄ Construction
Future Construction
I-10 Dumped Rock
6' Length 6' Width
1.5' Depth Conform
to Shape of Ditch
S.C. Sta. 50+73.20
T.S. Sta. 48+73.20
Toe Ditch
6"I-I Pipe
N 15°25'25"W
Ø GR 320
Arlington ℄
Begin Temporary Conn.
End R.C.C. Pavt. Sta. 50+50
N 57°15'07"W
Blackberry patch
Toe Ditch 2
P.C. Sta. 4+88.39
ESSIG ROAD
Scale: Hor. 1" = 50'
Vert. 1" = 5'

For Drainage Quantities
See Sheet No. 71

For Main Line Plan & Profile
See Sheet No. 64

Sta. 39+00 - Ramp A =
Sta. 339+00 - M
-0.750%
-2.089%
P.C. Sta. 44+20
P.I. Sta. 45+80
Elev. 1077.89
V.C. = 320'
P.T. Sta. 47+40
End R.C.C. Pavt.
Begin Temporary Pavt.
TEMPORARY
P.I. Sta. 50+75
Elev. 1067.55
V.C. = 50'
TEMPORARY
P.I. Sta. 53+20
Elev. 1060.20
V.C. = 60'
FUTURE CONSTRUCTION CURVE
P.C. Sta. 50+50
P.T. Sta. 51+00
P.C. Sta. 52+90
P.T. Sta. 53+50
Sta. 53+60.54 Ramp A =
Sta. 13+74.74 Arlington St.
Future
P.I. Sta. 51+75
Elev. 1065.46
V.C. = 250'
Future Construction
+0.700%
Temporary Conn.
-3.00%
+4.68%
Sta. 52+55 Rt.
Begin 6"I-I Pipe
F.L. 1059.50
END WORK
Sta. 53+52
Sta. 52+05 Lt.
F.L. 1059.50
Sta. 52+45 Lt.
End 6"I-I Pipe
F.L. 1059.65
Sta. 52+50 Lt.
Outlet 8"I-I Pipe
F.L. 1058.00
Sta. 53+10 Rt.
F.L. 1057.85
Sta. 53+50 Rt.
End 6"I-I Pipe
F.L. 1058.00
Sta. 52+50 Rt.
Outlet 8"I-I Pipe
F.L. 1056.00

ARLINGTON STREET INTERCHANGE
PLAN & PROFILE SHEET - RAMP A STA. 39+00 TO STA. 53+52

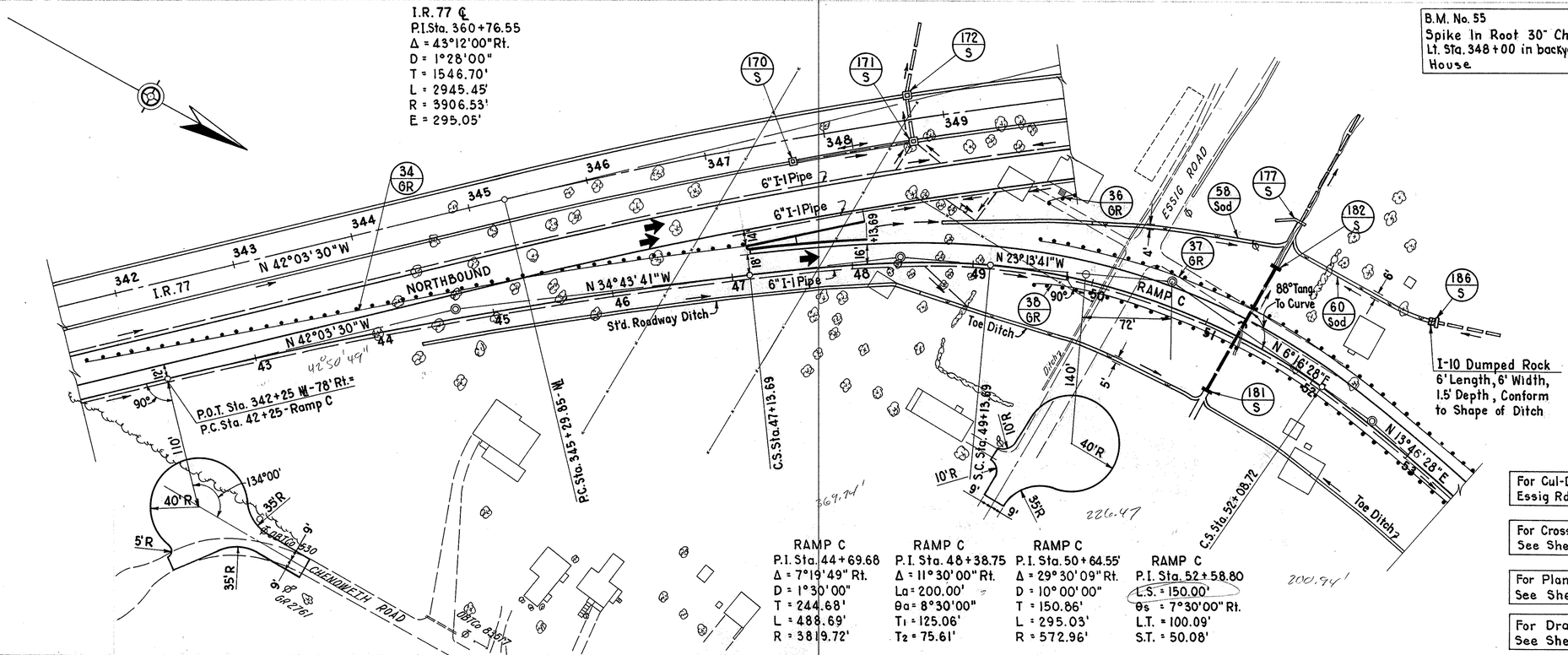
I.R. 77 ℄
P.I.Sta. 360+76.55
Δ = 43°12'00"Rt.
D = 1°28'00"
T = 1546.70'
L = 2945.45'
R = 3906.53'
E = 295.05'

B.M. No. 55 Elev. 1075.90
Spike In Root 30" Cherry 225' Lt. Sta. 348+00 in backyard of Stained Shingle House

FED. RD. DIVISION	STATE	PROJECT		67
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

ITEM I-15 GUARD RAIL LIN. FT.				
Ref. No.	STATION TO STATION	SIDE	STEEL BEAM (DEEP) STANDARD TYPE	STEEL BEAM (DEEP) STANDARD TYPE WITH STEEL POSTS
37GR	49+50-53+75	Lt.	425	
38GR	49+50-59+50	Rt.	1000	
	TOTAL		1425	



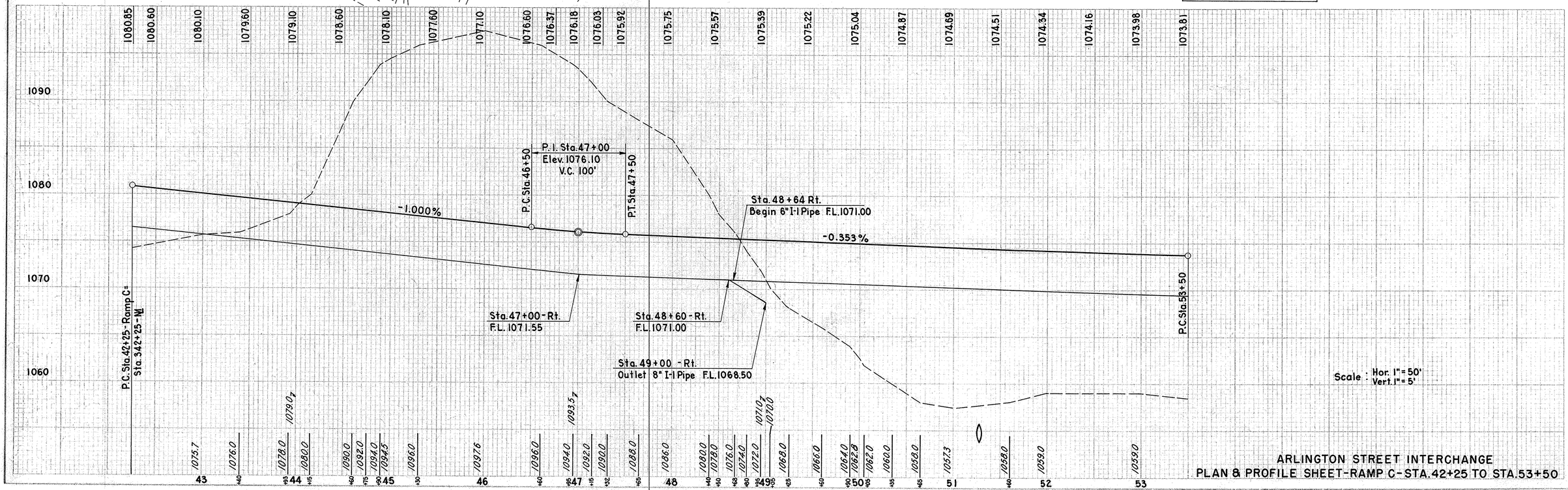
RAMP C	RAMP C	RAMP C	RAMP C
P.I. Sta. 44+69.68	P.I. Sta. 48+38.75	P.I. Sta. 50+64.55'	P.I. Sta. 52+58.80
Δ = 7°19'49" Rt.	Δ = 11°30'00" Rt.	Δ = 29°30'09" Rt.	L.S. = 150.00'
D = 1°30'00"	La = 200.00'	D = 10°00'00"	θs = 7°30'00" Rt.
T = 244.68'	θa = 8°30'00"	T = 150.86'	L.T. = 100.09'
L = 488.69'	T1 = 125.06'	L = 295.03'	S.T. = 50.08'
R = 3819.72'	T2 = 75.61'	R = 572.96'	

For Cul-De-Sac Details of Chenoweth Rd. & Essig Rd. See Sheet No. 199

For Cross Sections of Ramp C See Sheets No. 171 to 175

For Plan & Profile of Main Line See Sheet No. 64

For Drainage Quantities See Sheet No. 71



Scale : Hor. 1"=50'
Vert. 1"=5'

ARLINGTON STREET INTERCHANGE
PLAN & PROFILE SHEET-RAMP C-STA. 42+25 TO STA. 53+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

68

SUMMIT COUNTY
SUM-8-1.89

I.R.77
P.I.Sta. 360+77.45 N.B.
P.I.Sta. 360+76.55 ℄
Δ = 43°12'00" Rt.
D = 1°28'00"
T = 1546.70'
L = 2945.45'
R = 3906.53'
E = 295.05'

① RAMP C
P.I.Sta. 56+56.35
Δ = 62°37'26" Lt.
D = 14°34'44"
T = 239.06'
L = 429.55'
R = 393.00'

② RAMP C
P.I.Sta. 59+91.66
Δ = 22°10'00" Lt.
D = 7°45'00"
T = 144.82'
L = 286.02'
R = 739.30'

③ ARLINGTON ST.
P.I.Sta. 24+94.40
Δ = 6°43'42" Lt.
D = 2°00'00"
T = 168.40'
L = 336.42'
R = 2864.79'

④ RAMP C-C
P.I.Sta. 43+84.78
L.S. = 150'
θs = 24°33'19" Rt.
L.T. = 100.98'
S.T. = 50.89'

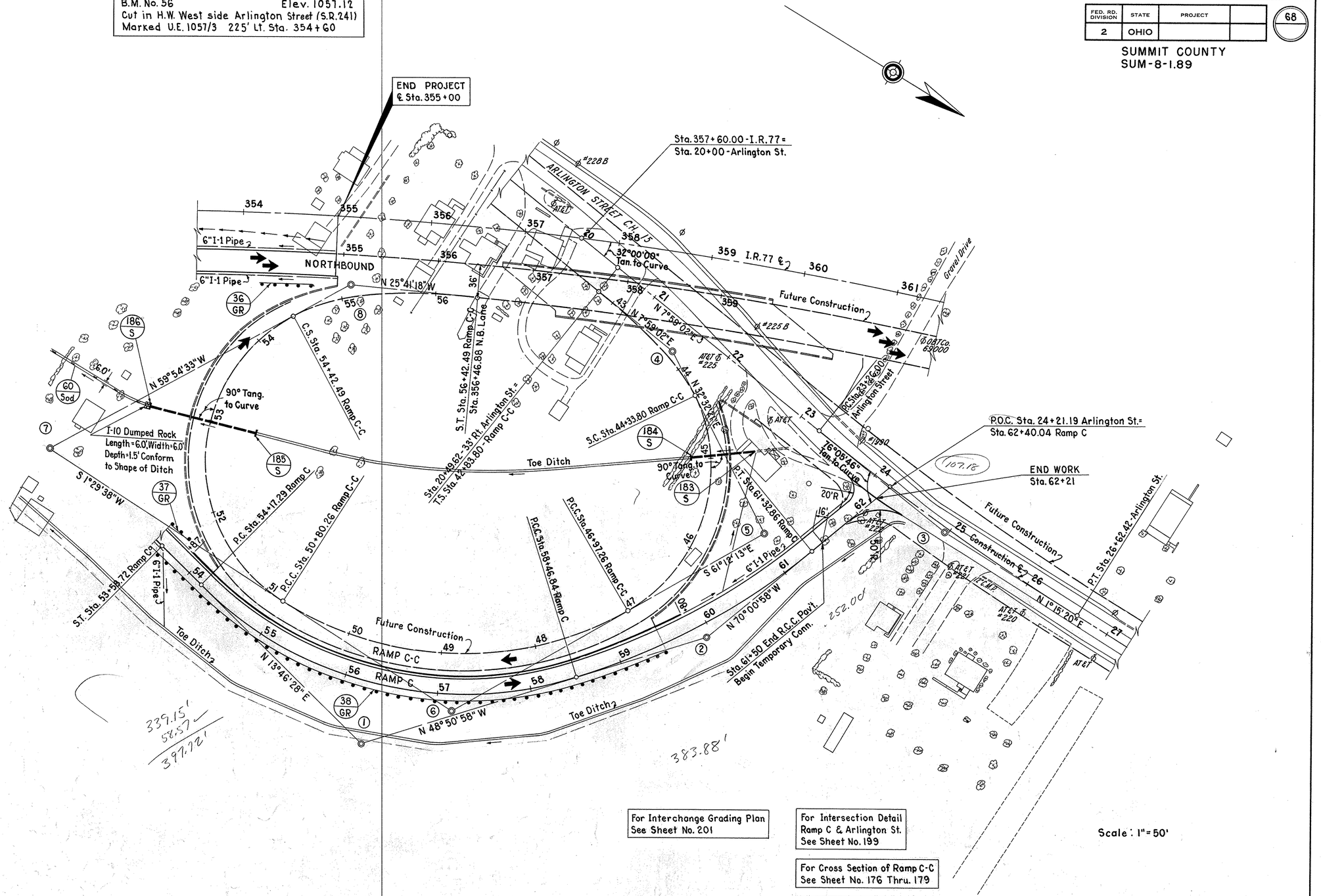
⑤ RAMP C-C
P.I Sta. 45+97.73
Δ = 86°15'26" Rt.
T = 163.93'
L = 263.46'
R = 175.00'

⑥ RAMP C-C
P.I.Sta. 49+10.47
Δ = 62°41'51" Rt.
T = 213.21'
L = 383.00'
R = 350.00'

⑦ RAMP C-C
P.I.Sta. 53+74.97
Δ = 118°35'49" Rt.
T = 294.72'
L = 362.23'
R = 175.00'

⑧ RAMP C-C
P.I.Sta. 55+14.53
La = 200.00'
Δ = 34°13'15" Rt.
T1 = 134.07'
T2 = 72.06'
θa = 31°15'37"

B.M. No. 56 Elev. 1057.12
Cut in H.W. West side Arlington Street (S.R.241)
Marked U.E. 1057/3 225' Lt. Sta. 354+60



For Interchange Grading Plan
See Sheet No. 201

For Intersection Detail
Ramp C & Arlington St.
See Sheet No. 199

For Cross Section of Ramp C-C
See Sheet No. 176 Thru. 179

For ℄ Survey Tie to Constr. ℄
See Sheet No. 184

For Drainage Quantities
See Sheet No. 71

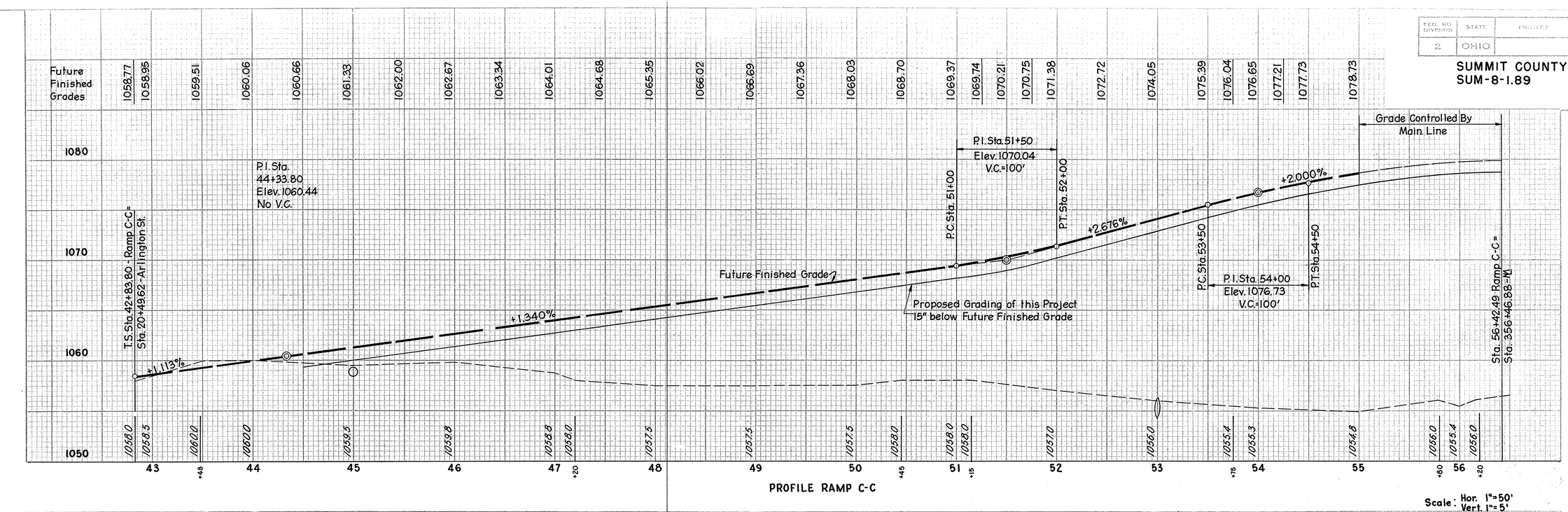
Scale : 1"=50'

ARLINGTON STREET INTERCHANGE
PLAN SHEET- RAMP C-STA.53+50 TO STA.62+21
RAMP C-C-STA.42+83.80 TO STA.56+49

FED. NO. DIVISION	STATE	PROJECT	
2	OHIO		

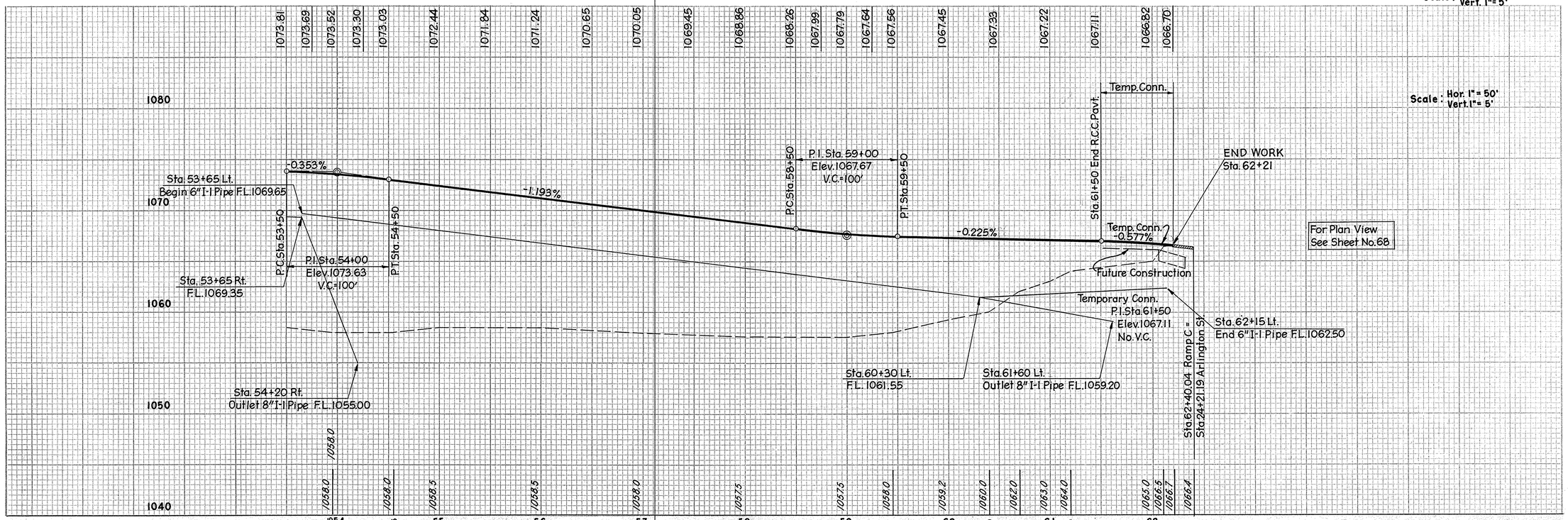
69

SUMMIT COUNTY
SUM-8-1.89



PROFILE RAMP C-C

Scale: Hor. 1"=50'
Vert. 1"=5'



PROFILE RAMP C

Scale: Hor. 1"= 50'
Vert. 1"= 5'

For Plan View
See Sheet No. 68

ARLINGTON STREET INTERCHANGE
PROFILE SHEET - RAMP C - STA. 53+50 TO STA. 62+21
RAMP C-C - STA. 42+83.80 TO STA. 56+49

FED. RD. DIVISION	STATE	PROJECT		70
2	OHIO			

SUMMIT COUNTY
SUM.-8-1.89

B.M. No. 56 Elev. 1057.12
Cut In H.W. West Side Arlington St. (S.R. 241)
Marked O.E. 1057/3 225' Lt. Sta. 354+60

GREEN TWP.
SPRINGFIELD TWP.

BEGIN WORK
Sta. 9+32.56

P.I. Sta. 13+39.57
Δ = 91°48'45" Lt.
R = 100.00'
T = 103.21'
L = 160.24'

N 2°20'45" E

P.C. Sta. 12+36.36

P.T. Sta. 13+96.60

Row of Raspberries

Blackberries

Grape Arbor

Cinder Block Tool Shed

Grape Arbor

N 89°28'00" W

CHENOWETH ACCESS ROAD

J.P. & H.G. WILSON

Strawberry Patch 9 Rows

Strawberry Patch - 6 Rows

Water Well

1-Row Raspberries

A.T.&T. 219

A.T.&T. M.H. Marker

Survey ℄ N 1°15'20" E

Construction ℄

ARLINGTON STREET

90°43'20"

Iron Post

A.T.&T. 218

Drive

Flower Bed

Sta. 21+50
Begin Temporary Conn.

R.P. & S.C. MAXWELL

1-Sty Fr. Dwg.

Fr. Gar.

10' Gravel Drive

A.T.&T. #217

#1987

SPRINGFIELD TWP.
CANTERBURY TWP.

Future Construction

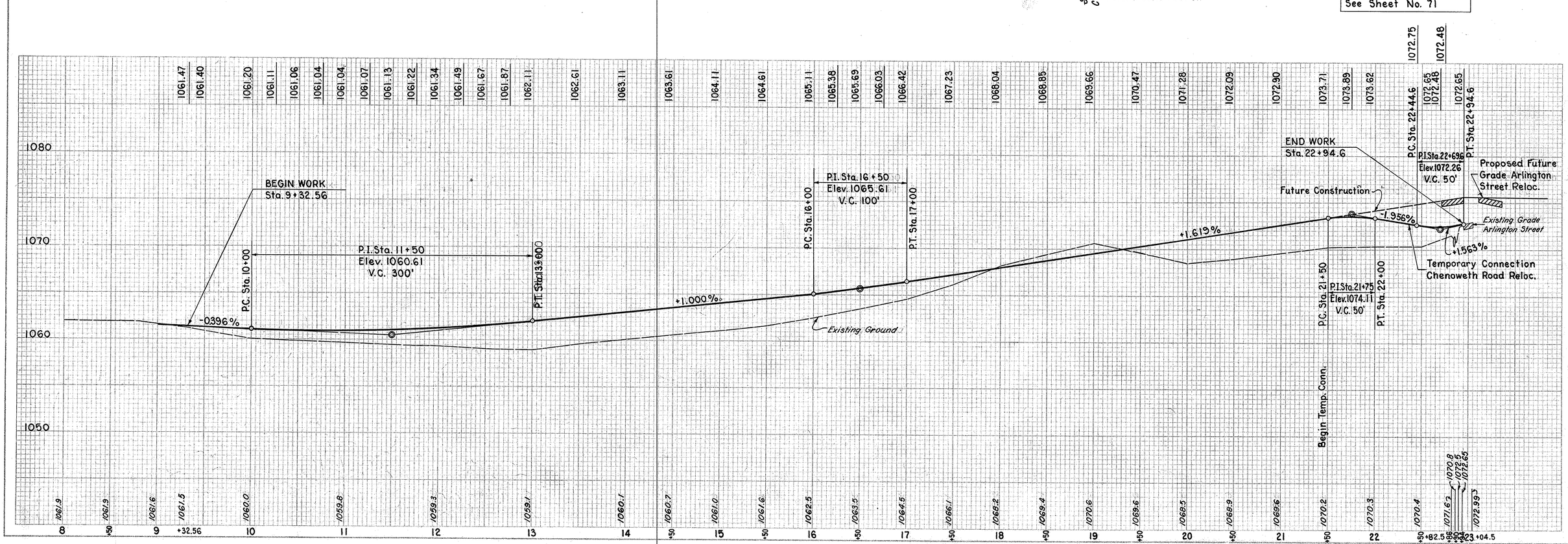
188/S
Sta. 27+34.97 Arlington St. Survey ℄
Sta. 22+94.67 Chenoweth Access Rd.

187/S
Sta. 27+61.91 Arlington Reloc. Construction ℄
Sta. 23+03.67 Chenoweth Access Road

END WORK
Sta. 22+94.60

For Cross Sections of Chenoweth Access Rd.
See Sheets No. 180 to 182

For Drainage Quantities
See Sheet No. 71



PLAN & PROFILE SHEET-CHENOWETH ACCESS ROAD

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

71

SUMMIT COUNTY
SUM-8-1.89

SUB - SUMMARY

SEE SHEET NO.		REF. NO.		STATION TO STATION		SIDE	I-1 LIN. FT.																						I-2 C.Y.	I-5 Each	I-8 EACH						I-9 Lin. Ft.	I-10 C.Y.	I-14 L.F.	L-10 S.Y.		E-12 L.F.		REMARKS	SEE SHEET NO.	
							CLASS A-1										CLASS E-1				CLASS F-1				Class I-3																					
							15" M-6.6(a) or M-6.8(b)	18" M-6.6(a) or M-6.8(b)	30" M-6.6(b) or M-6.8(b)	30" M-6.6(c)	36" M-6.6(b) or M-6.8(b)	42" M-6.6(d)	36" M-6.6 (c)				15"	15" M-6.6(b) or M-6.8(b)			12"	15"			6" M-6.4 (b)(c)																					
Plan	Profile	From	To	From	To																								Masonry Class C	15" Pipe Special 25° Elbow M-6.4 (c)		Std. No. 8 C.B.				Stone Under Drain No.1 As Per Plan	Dumped Rock Channel	Paved Gutter Std. Type 1 Mod. 4' Bottom	Sodding For Ditches		Pipe Removal 15" And Under			Plan	Profile
63	217	163 S	163a S	331+38	332+00	Rt.																					86																	217
	208	164 S	165 S	337+05	337+95	Lt & Rt.					264																	15.6								11.0								208
	217	166 S	166a S	337+35	337+35	Lt.																					24							3								63	217
64	219	167 S	168 S	339+00	339+00	Lt. & Rt.											38														2													
		168 S	169 S	339+00	339+00	Rt.	106																					0.26																
		170 S	171 S	347+70	348+70	Rt.											100														2													
		171 S	172 S	348+70	348+70	Rt. & Lt.												38													1												64	219
		172 S	173 S	348+70	349+00	Lt.	82																					0.26								2.0							
65		174 S	175 S	352+85	351+85	Lt.											100														2													
		175 S	176 S	351+85	351+85	Lt.	62															38						0.26	2							2.0						65	
	204	177 S	178 S	351+90	353+39	Rt. & Lt.						280																17.8															204
66		179 S	180 S	52+50	52+50	Lt & Rt.			110																			1.02													RAMP "A"	66	
67	205	181 S	182 S	51+24	51+30	Rt. & Lt.							118															1.52													RAMP "C"	67	
68		183 S	184 S	45+00	45+00	Lt & Rt.		72																				0.30													RAMP "C-C"	68	205
		185 S	186 S	53+00	53+00	Rt. & Lt.				114																		1.02								2.0					RAMP "C-C"		
70	219	187 S	188 S	22+85	22+85	Rt. & Lt.															54																				CHENOWETH ACCESS RD.	70	219
61		NM	51 SOD	325+00	328+00	Rt.																																400						61	
63		NM	52 SOD	332+00	337+00	Lt.																																777						63	
61/63		NM	53 SOD	328+00	338+05	Rt.																																2010						61/63	
63		NM	54 SOD	337+00	338+00	Lt.																																111						63	
64		NM	55 SOD	345+00	347+00	Lt.																																111						64	
64/66			56 SOD	347+00	NM 52+50 RAMP A	Lt.																																471						64/66	
64/65			57 SOD	48+55	51+25	Rt.																																139					RAMP "C"	64/65	
65		NM	58 SOD	350+15	351+75	Rt.																																71						65	
		NM	59 SOD	349+05	351+85	Lt.																																164							
			60 SOD	51+40	52+50	Lt.																																93					RAMP "C"		
66			61 SOD	52+50	53+20	Lt.																																56					RAMP "A"	66	
65		NM	62 SOD	351+85	353+65	Lt.																																148						65	
				351+67	351+90	Rt.																																	40							
65		NM	9-R	350+33	350+45	Rt.																																				18		65	
		NM	10-R	351+76	352+16	Lt.																																				68			
66			11-R	14+55	14+90	Rt.																																				35	ARLINGTON STREET	66	
							250	72	110	114	264	280	118				238	38			54	38			110	38.04	2		7			6	17.0	40	4551			121				

PROJ. NO. DIVISION	STATE	PROJECT	
2	OHIO		

72

SUM.- 8-1.89
SUMMIT COUNTY

SEEDING

END WIDTH	SQ. YDS.
225	
	2500
225	

LA

3:1

N.B. 12.08.14
S.B. 12.07.66
Sta 101 +00
1212 .6

LA

Sta. 100+00
Begin. Seeding

N.B 12.07.86
S.B 12.07.26
Sta 100+00
1209 .3

Sta. 100+00
Begin Project No. II
SUM- 8-1.89

	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
LA				
	1180	0		
			2333	0
LA				
	80	0		

Scale: 1"=10'

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 100+00 TO STA. 101+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
223		LA			
			890	0	
	2506			4352	0
228		LA			
			1460	0	
	2522			6019	0
226		LA			
			1790	0	
	2511			6737	0
226		LA			
			1848	0	
	2506			5608	0
225		Sta. 101+00	1180	0	

N.B. 1208.75
S.B. 1208.66
Sta 105 +00
1211. .7

N.B. 1208.76
S.B 1208.60
Sta 104 +00
1213 .6

N.B 1208.64
S.B 1208.39
Sta 103 +00
1215. .9

N.B 1208.42
S.B 1208.06
Sta 102 +00
1215 .7

Scale: 1"=10'

140 120 100 80 60 40 20 ℄ 20 40 60 80 CROSS SECTIONS - STA. 102+00 TO STA. 105+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

74

SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ YDS.	CUT	FILL	CUT	FILL
226		LA 1650	0		
	2517			5389	0
227		LA 1260	0		
	2517			4433	0
226		LA 1134	0		
	2506			3370	0
225		LA 686	0		
	2489			2919	0
223		Sta. 105+00	890		

N.B. 1207.68
S.B. 1207.68
Sta 109+00
1215.0

N.B. 1208.08
S.B. 1208.08
Sta 108+00
1213.0

N.B. 1208.41
S.B. 1208.40
Sta 107+00
1212.4

N.B. 1208.65
S.B. 1208.61
Sta 106+00
1211.1

Scale: 1" = 10'

140 120 100 80 60 40 20 ℄ 20 40 60 80 CROSS SECTIONS - STA. 106+00 TO STA. 109+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING END WIDTH	SEEDING SQ. YDS.	
224	2472	
221	2483	
226	2511	
226	2511	
226		

Sta. 113+25 - Rt.
End L-10 Sodding
Width = 7.0'

Sta. 112+00 - Rt.
Begin L-10 Sodding
Width = 7.0'

LA — FL = 1203.98 — 4:1 — FL = 1199.0 — LA

N.B. 1206.11
S.B. 1206.11
Sta 113+00
1202.2

LA — 6:1 — 6:1 — LA

N.B. 1206.50
S.B. 1206.50
Sta 112+00
1207.9

LA — 3:1 — 6:1 — LA

N.B. 1206.90
S.B. 1206.90
Sta 111+00
1210.7

LA — 3:1 — 6:1 — LA

N.B. 1207.29
S.B. 1207.29
Sta 110+00
1211.9

Sta. 109+00

140 120 100 80 60 40 20 ℄ 20 40 60 80

Scale: 1" = 10'

CROSS SECTIONS - STA. 110+00 TO STA. 113+00

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
LA				
	14	570		
			1048	1070
LA				
	552	8		
			2978	15
LA				
	1056	0		
			4270	0
LA				
	1250	0		
			5370	0
Sta. 109+00	1650	0		

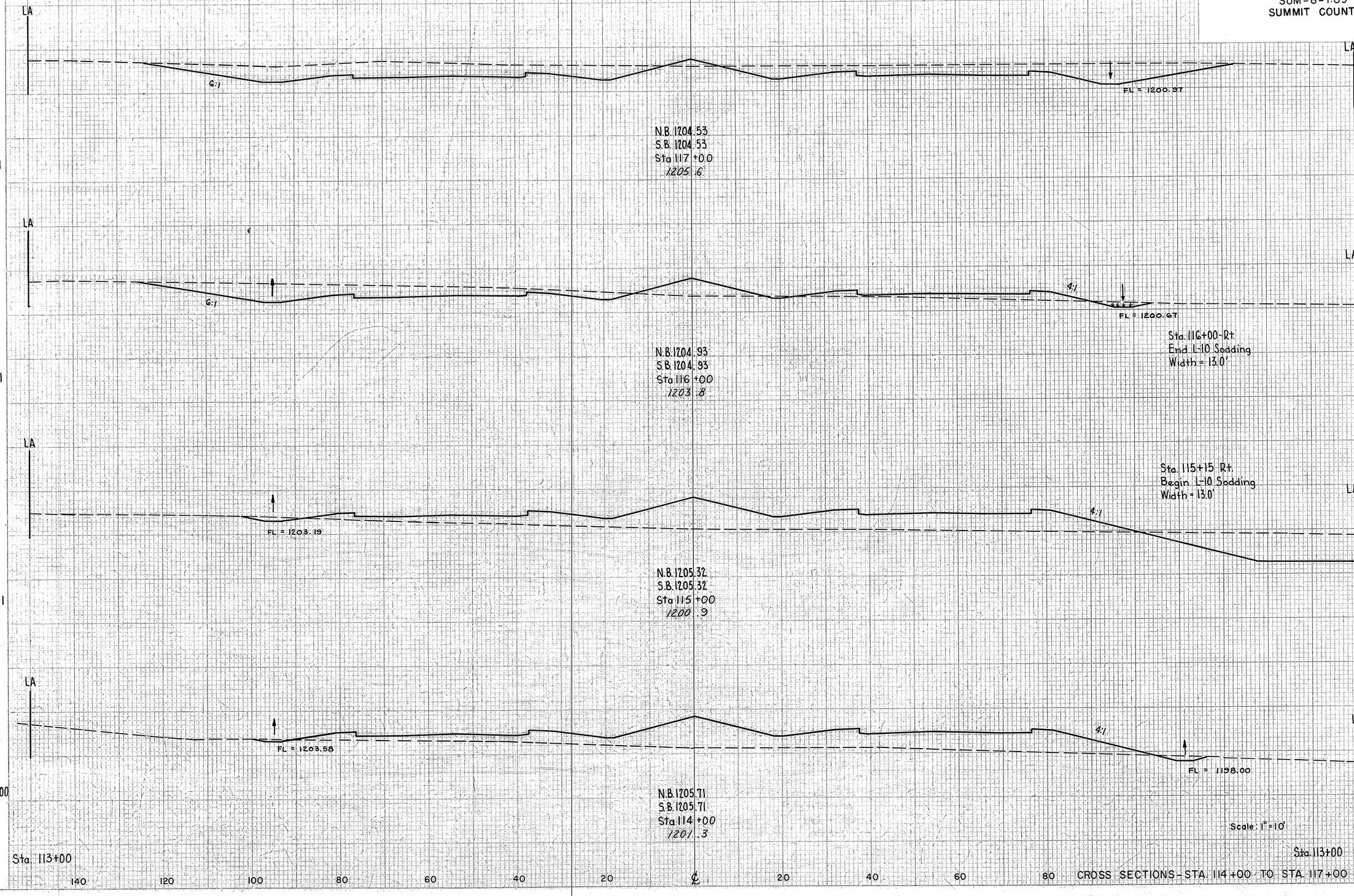
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

SUM-8-1.89
SUMMIT COUNTY

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SEEDING

ENG WIDTH	SQ. YDS.
226	2511
226	2511
226	2511
226	2500
224	



	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
LA	580	10		
			1541	267
LA	252	134		
			537	1363
LA	38	602		
			89	2200
LA	10	586		
			44	2141
	14	570		

CROSS SECTIONS - STA. 114+00 TO STA. 117+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS	CUT	FILL	CUT	FILL
224		LA G:1	LA G:1 384	42	
	2317	N.B. 1204.01 S.B. 1204.01 Sta. 121+00 1207.1		1174	152
193		LA G:1	LA G:1 250	40	
	2150	N.B. 1203.94 S.B. 1203.94 Sta. 120+00 1202.9		885	137
194		LA G:1	LA G:1 228	34	
	2322	N.B. 1204.00 S.B. 1204.00 Sta. 119+00 1203.7	FL = 1201.57	1541	67
224		LA G:1	LA G:1 604	2	
	2500	N.B. 1204.21 S.B. 1204.21 Sta. 118+00 1206.3	FL = 1201.27	2193	22
226		Sta. 117+00	Sta. 117+00 580	10	

140 120 100 80 60 40 20 ℄ 20 40 60 80

Scale: 1" = 10'

CROSS SECTIONS - STA. 118+00 TO STA. 121+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
		780	1		
226	2511			3052	2
		868	0		
226	2500			2711	30
		596	16		
224	2489			1696	63
		320	18		
224	2489			1304	111
224		384	42		

LA
G:1
3:1
N.B. 1205.33
S.B. 1205.33
Sta 125+00
1207.5
N.B. 1204.93
S.B. 1204.93
Sta 124+00
1207.1
N.B. 1204.54
S.B. 1204.54
Sta 123+00
1205.2
N.B. 1204.21
S.B. 1204.21
Sta 122+00
1204.8
Sta. 121+00
140 120 100 80 60 40 20 ℄ 20 40 60 80
Scale: 1" = 10'

CROSS SECTIONS - STA. 122+00 TO STA. 125+00

FED. NO. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS	CUT	FILL	CUT	FILL
224		LA			
			28		102
	2500			119	322
		LA			
226			36		72
	2494			437	185
		LA			
223			200		28
	2478			1607	59
		LA			
223			668		4
	2494			2682	9
226		Sta. 125+00	780		1

FL= 1204.16

N.B. 1206.91
S.B. 1206.91
Sta 129+00
1205.7

FL= 1203.92

N.B. 1206.51
S.B. 1206.51
Sta 128+00
1205.9

FL= 1203.63

N.B. 1206.12
S.B. 1206.12
Sta 127+00
1206.5

FL= 1203.44

N.B 1205.72
S.B. 1205.72
Sta 126+00
1207.1

G:1

Scale: 1" = 10'

140 120 100 80 60 40 20 ℄ 20 40 60 80 CROSS SECTIONS - STA. 126+00 TO STA. 129+00

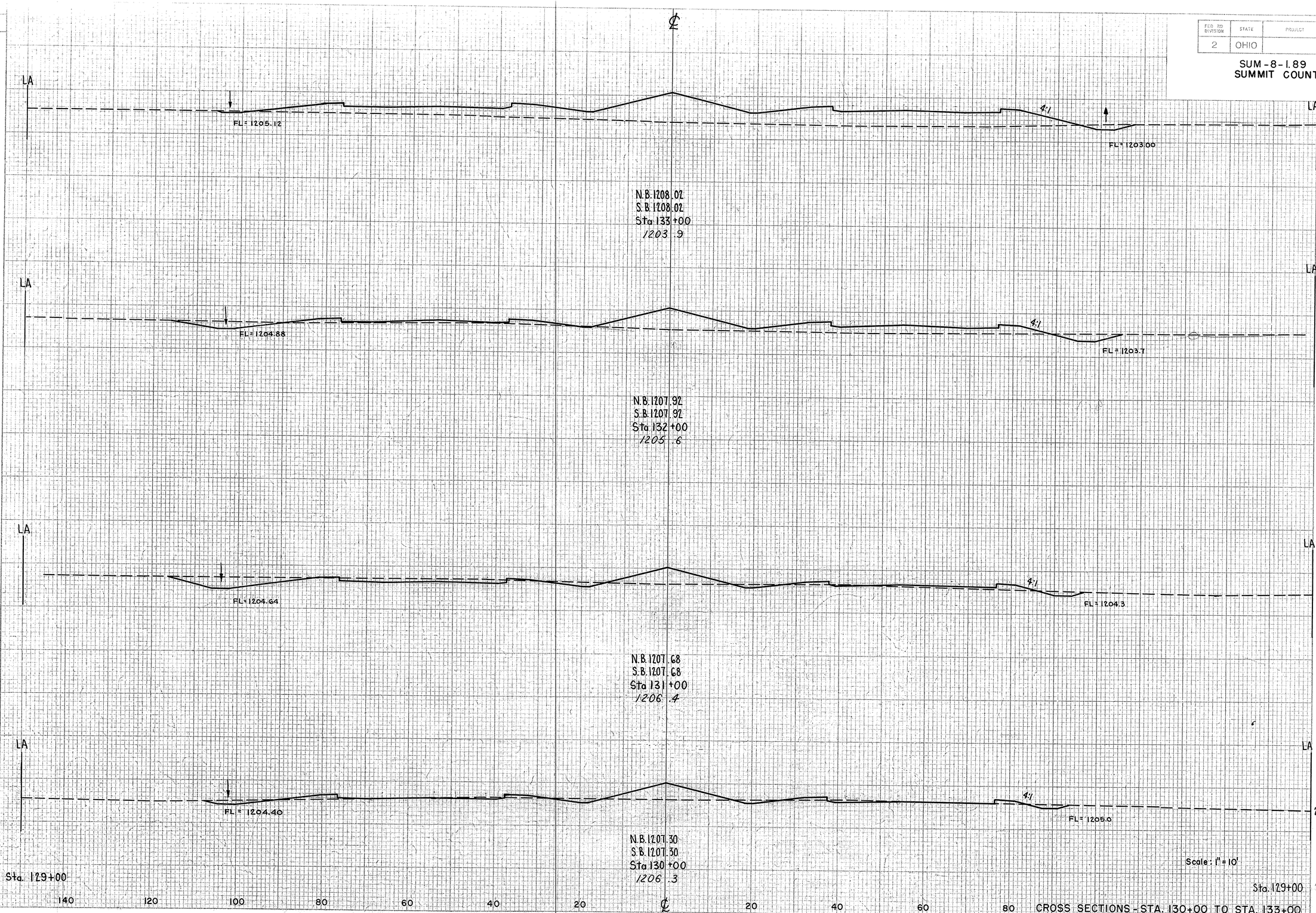
FED. RD DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SECTN

END WIDTH	SQ. YDS.
226	2511
226	2511
226	2511
226	2500
224	



	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
LA				
	14	570		
			82	1519
LA				
	30	250		
			241	622
LA				
	100	86		
			230	311
LA				
	24	82		
			96	341
	28	102		

CROSS SECTIONS - STA. 130+00 TO STA. 133+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
226		20	1462		
2511				59	5096
226		12	1290		
2511				37	4015
226		8	878		
2511				37	3133
226		12	814		
2511				48	2563
226		14	570		

LA — 4:1 — FL = 1198.00 — N.B. 1206.91, S.B. 1206.91, Sta 137+00, 1198.6 — 4:1 — FL = 1199.00 — LA

LA — 4:1 — FL = 1198.5 — 4:1 — FL = 1200.00 — LA

LA — 4:1 — FL = 1201.0 — N.B. 1207.41, S.B. 1207.41, Sta 136+00, 1199.5 — 4:1 — FL = 1201.00 — LA

LA — 4:1 — FL = 1202.0 — N.B. 1207.76, S.B. 1207.76, Sta 135+00, 1201.5 — 4:1 — FL = 1202.00 — LA

N.B. 1207.96, S.B. 1207.96, Sta 134+00, 1202.4

Sta. 133+00 — 140 120 100 80 60 40 20 ℄ 20 40 60 80 — Sta. 133+00

Scale : 1" = 10'

CROSS SECTIONS - STA. 134+00 TO STA. 137+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
226		LA			
		46	270		
	2511			196	885
226		LA			
		60	208		
	2511			274	1270
226		LA			
		88	478		
	2517			278	2833
227		LA			
		62	1052		
	2517			152	4656
226		LA			
		20	1462		

LA
4:1
FL= 1201.0
4:1
FL = 1196.77
G=1203.40
Sta 141 +00
1200 .2

LA
4:1
FL= 1202.0
4:1
FL= 1197.33
G=1204.50
Sta 140 +00
1202 .3

LA
4:1
4:1
FL= 1197.88
G=1205.45
Sta 139 +00
1201 .8

LA
4:1
FL= 1197.0
4:1
FL= 1198.44
G=1206.25
Sta 138+00
1199 .5

Scale: 1"= 10'

Sta. 137+00 140 120 100 80 60 40 20 | 20 40 60 80 Sta. 137+00

CROSS SECTIONS – STA. 138+00 TO STA. 141+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING END WIDTH	SEEDING SQ YDS.		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
258		Match Line 150' Lt. Sta. 145+00	726	0		
	2856				1882	44
256			290	24		
	2789				1141	256
246			326	114		
	2894				670	719
275			36	274		
	2783				152	1007
226		Sta. 141+00	46	270		

Relocated Drive
Sta. 3+64.59
G= 1201.10
C= 4, F= 32
C.Y. Exc. 37
C.Y. Emb. 61

Relocated Drive
Sta. 2+64.59
G= 1200.78
C=16, F=1
C.Y. Exc. 46
C.Y. Emb 2
Match Line = 150' Lt.
Sta. 144+00

Reloc. Drive
Sta. 1+64.59
G= 1200.37
C=9, F=0
C.Y. Exc. 33
C.Y. Emb 0
Match Line = Lt.
Sta. 143+00

Reloc. Drive
Begin Earthwork
Sta. 0+65 C=9

Match Line
Sta. 142+00

Existing Drive

FL = 1199.75

FL = 1200.00

FL = 1195.54

FL = 1195.09

FL = 1195.63

FL = 1196.21

FL = 1200.0

G= 1197.49
Sta 145+00
1199.3

G= 1199.19
Sta. 144+00
1198.6

G= 1200.74
Sta 143+00
1198.6

G= 1202.14
Sta 142+00
1199.2

Scale: 1" = 10'

140 120 100 80 60 40 20 ℄ 20 40 60 80 CROSS SECTIONS - STA. 142+00 TO STA. 145+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
266					
	2956	3220	0	11333	0
266		2900	0		
	2967			9611	0
268		2290	0		
	2950			6726	0
263		1342	0		
	2894			3830	0
258		726	0		

℄ Reloc. Drive
Sta. 7+64.59
G=1202.58
C=18, F=42
C.Y. Exc. 441
C.Y. Emb. 78
Match Line-Lt
Sta. 149+00
FL=1198.75

℄ Reloc. Dr.
Sta. 6+64.59
G=1202.21
C=220, F=0
C.Y. Exc. 833
C.Y. Emb. 0
Match Line-150'Lt.
Sta. 148+00
FL=1199.00

℄ Reloc. Dr.
Sta. 5+64.59
G=1201.83
C=230, F=0
C.Y. Exc. 500
C.Y. Emb. 0
Match Line-150'Lt.
Sta. 147+00
FL=1199.25

℄ Reloc. Drive
Sta. 4+64.59
G=1201.47
C=40, F=0
C.Y. Exc. 82
C.Y. Emb. 59
Match Line-150'Lt.
Sta. 146+00
FL=1199.50

G=1189.66
Sta 149+00
1201.3

G=1191.66
Sta 148+00
1201.3

G=1193.66
Sta 147+00
1202.6

G=1195.64
Sta 146+00
1201.0

LA
Match Line
3:1

Scale: 1" = 10'

Sta. 145+00 140 120 100 80 60 40 20 ℄ 20 40 60 80 Sta. 145+00

CROSS SECTIONS - STA. 146+00 TO STA. 149+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

85

SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ YDS.	CUT	FILL	CUT	FILL
264	3056	2520	0	9637	0
286	3978	2684	0	10407	0
430	4261	2936	0	11530	0
337	3350	3290	0	12056	0
266		3220	0		

℄ Access Rd. "A"
Sta. 3+99.71
G= 1191.67
C= 12, F= 90
C.Y. Exc. 30
C.Y. Emb. 161

Match Line
150' Rt
Sta. 153+00

RW

Sta. 153+70 Rt.
Begin L.10 Sodding
Width= 15.0'

LA

3:1

Reloc. Drive
End Earthwork Sta. 10+85
Area = 0 C.Y. Exc. 3
C.Y. Emb. 196

Reloc. Dr. Sta. 10+54
(Use Area C=6, F=342)
C.Y. Exc. 259
C.Y. Emb. 375

G=1181.66
Sta 153+00
1191.1

℄ Access Rd. "A"
Sta. 2+99.71
G= 1195.98
C=4, F=324
C.Y. Exc. 66
C.Y. Emb. 1462

Match Line
150' Rt
Sta. 152+00

Match Line

300'

℄ Reloc. Drive
Sta. 9+17
G=1203.36
C=176
F=342
C.Y. Exc. 395
C.Y. Emb. 962

FL= 1195.00

Match Line- 150' Lt
Sta. 151+00
12.00

Sta. 151+50 Lt.
Begin L.10 Sodding
Width = 9.0'

G=1183.66
Sta 152+00
1193.8

℄ Access Rd. "A"
Sta. 1+95
G= 1200.43
C=30, F=430
C.Y. Exc. 168
C.Y. Emb. 2021

Match Line- 150' Rt
Sta. 151+00

2:1

℄ Reloc. Drive
Sta. 8+67
G=1202.95
C=18, F=130
C.Y. Exc. 68
C.Y. Emb. 326

Match Line- 150' Lt
Sta. 150+00
12.00

FL= 1196.88

G 1185.66
Sta 151+00
1197.9

Seeding Limit

℄ Wise Access Rd. "A"
Sta. 0+85
G= 1203.88
C= 50, F=562
C.Y. Exc. 46
C.Y. Emb. 1041

290'

Match Line
150' Rt
Sta. 150+00

Fill For Drainage

Access Rd. "A" Sta. 0+35 C=0, F=562 C.Y. Exc. 0 C.Y. Emb. 208

Wise Access Rd. "A" Sta. 0+15 Begin Earthwork = Area 0

Scale: 1"= 10'

G=1187.66
Sta 150+00
1201.3

Sta. 149+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 150+00 TO STA. 153+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
250	2778	1316	0	5600	0
250	2756	1708	0	8293	0
246	2800	2770	0	9863	0
258	2900	2556	0	9400	0
264		2520	0		

LA

Match Line

FL= 1172.50

FL= 1177.00

G-1173.66
Sta 157+00
1179 .7

G-1175.66
Sta 156+00
1182 .1

Sta 155+00
1188 .3
G 1176.66

G-1179.66
Sta 154+00
1190 .8

℄ Access Rd. "A"
Sta. 7+99.71
G=1174.43
C=122, F=0
C.Y. Exc. 307
C.Y. Emb. 0

Match Line
150' Rt.
Sta. 157+00

RW

℄ Access Rd. "A"
Sta. 6+99.11
G=1178.74
C=44, F=0
C.Y. Exc. 207
C.Y. Emb. 4

Match Line
150' Rt.
Sta. 156+00

RW

℄ Access Rd. "A"
Sta. 5+99.71
G=1183.05
C=68, F=2
C.Y. Exc. 144
C.Y. Emb. 193

Match Line
150' Rt.
Sta. 155+00

RW

℄ Access Rd. "A"
Sta. 4+99.71
G=1187.36
C=10, F=102
C.Y. Exc. 41
C.Y. Emb. 356

Match Line
150' Rt.
Sta. 154+00

RW

Sta. 155+51.04
Begin Acceleration Lane Lt.
Ramp "U"

Sta. 153+00

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 154+00 TO STA. 157+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING

END WIDTH	SQ. YDS.
243	
2628	
230	
2611	
240	
2706	
247	
2761	
250	

END AREA		VOLUME	
CUT	FILL	CUT	FILL
198	1580		
		748	3852
206	500		
		1074	952
374	14		
		2659	26
1062	0		
		4404	0
1316	0		

Sta. 161+70-Lt.
End L-10 Sodding
Width = 6.0'

LA
170'

FL= 1151.88

G=1165.66
Sta 161+00
1156.5

FL= 1151.18

LA

RW
200'

LA

4:1

FL= 1159.71

G=1167.66
Sta 160+00
1163.4

FL= 1159.35

Sta. 159+90-Rt.
End L-10 Sodding
Width = 6.0'

℄ Access Rd. "A"
Sta 9+99.71
G= 1165.81
C= 50, F=0
C.Y. Exc. 252
C.Y. Emb. 0

Match Line
150' Rt
Sta. 159+00

Wise Access Rd. "A"
Sta. 10+65 End Earthwork
Area = 9
C.Y. Exc. 71, C.Y. Emb. 0

Sta. 159+00-Rt.
L-10 Sodding
Width = 6.0' Begin
Width = 15.0' End

Sta. 159+90-Rt.
Access Rd. "A"
End L-10 Sodding
Width = 3.0'

Sta. 159+00 Lt.
L-10 Sodding
Width = 6.0' Begin
Width = 9.0' End

LA

RW

Match Line

LA

FL= 1164.01

G= 1169.66
Sta 159+00
1170.3

℄ Access Rd. "A"
Sta. 8+89.71
G= 1170.12
C= 86, F=0
C.Y. Exc. 385
C.Y. Emb. 0

Match Line
150' Rt
Sta. 158+00

Sta. 159+00-Rt.
Access Rd. "A"
Begin L-10 Sodding
Width = 3.0'

RW

LA

Match Line

LA

FL= 1168.25

G= 1171.66
Sta 158+00
1176.0

Scale: 1" = 10'

Sta. 157+00

Sta. 157+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 158+00 TO STA. 161+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING

END WIDTH	SQ YDS.
220	2489
228	2578
236	2644
240	2683
243	

℄

LA 170'

G-1157.82
Sta 165+00
1159.0

LA 170'

G-1159.66
Sta 164+00
1155.4

LA 170'

FL = 1149.00

G-1161.66
Sta 163+00
1149.3

LA 170'

1:1

FL = 1147.00

G-1163.66
Sta 162+00
1148.9

163+86.81 Begin Ramp "R" Dec. Lane Rt.

	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
LA				
744	4			
			1633	1000
LA				
138	536			
			270	5037
LA				
8	2184			
			48	9526
LA				
18	2960			
			400	8407
198	1580			

℄ Str.

FL = 1143.00

Scale: 1" = 10'

Sta. 161+00

Sta. 161+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 162+00 TO STA. 165+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-189
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
196		LA			
	2256	486	140		
				1415	644
210		LA			
	2333	278	208		
				756	963
210		LA			
	2344	130	312		
				1241	778
212		LA			
	2400	540	108		
				2378	207
220		Sta. 165+00	744	4	

LA 170'
3:1
FL = 1151.22
FL = 1151.65
G = 1153.57
Sta 169+00
1152.5
FL = 1151.65

LA 170'
3:1
FL = 1152.144
G = 1154.16
Sta 168+00
1153.1

LA 170'
G:1
FL = 1153.07
G = 1155.07
Sta 167+00
1152.4

LA 170'
FL = 1154.00
G = 1156.29
Sta 166+00
1156.4

Scale : 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS – STA. 166+00 TO STA. 169+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

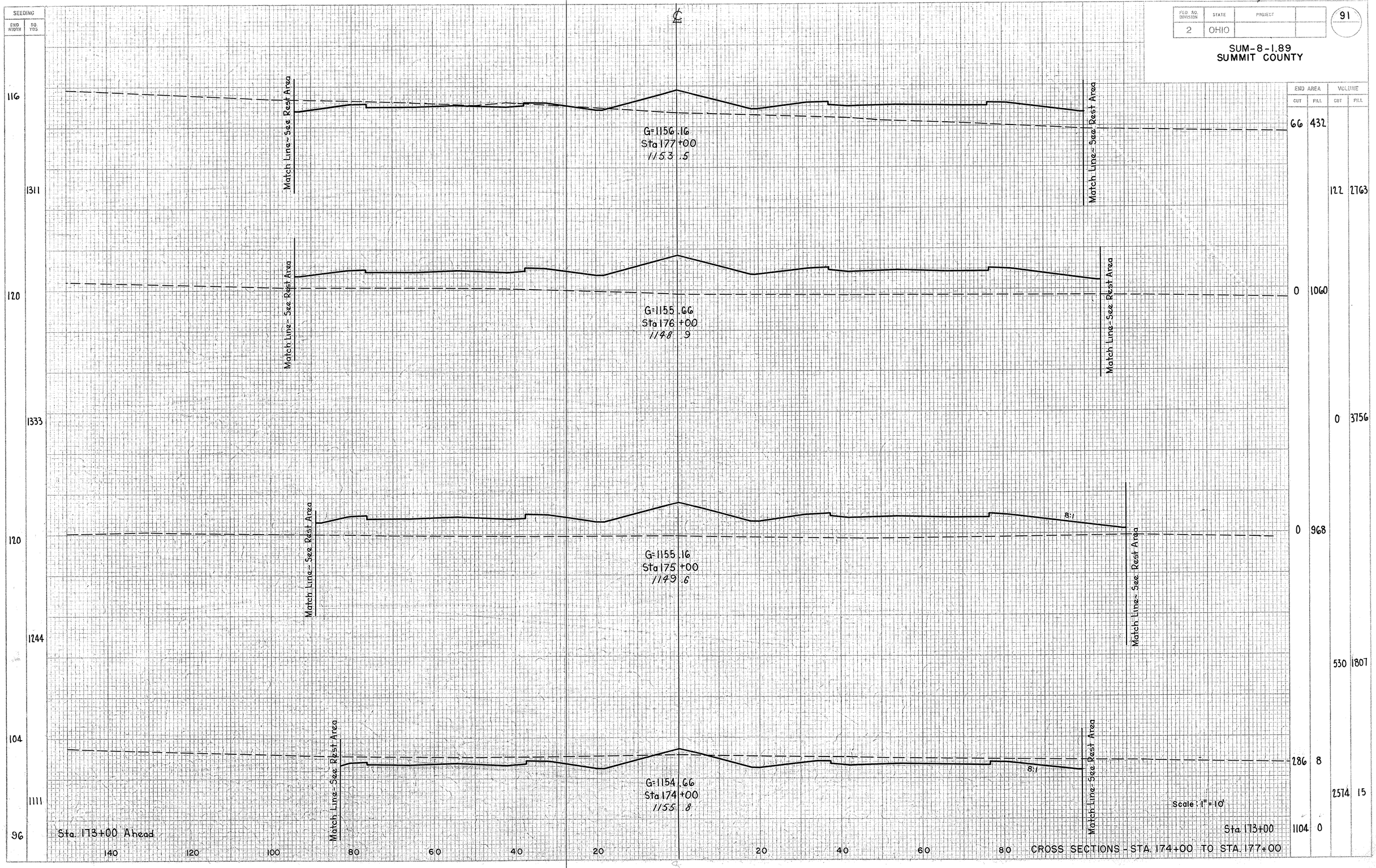
SEEDING			END AREA		VOLUME	
END WIDTH	SQ. YDS.		CUT	FILL	CUT	FILL
96	285	Ahead	1104	0	10733	0
		Back	2590	0		
	2928					
	242		3206	0		
	2572				9948	0
	221		2166	0		
	2294				5796	7
192			964	4		
	2156				2685	267
196		Sta. 169+00	486	140		

LA
Match Line 150' Lt.
Match Line
FL = 1149.76
FL = 1153.42
Ramp "U" Ahead
Sta. 5+47
Area 1052
Main Line Ahead
Match Line
81.0' Lt.
G = 1154.16
Sta 173+00
1160.6
Main Line - Ahead
Ramp "R" Ahead
Sta. 5+69
Area 434
Match Line Rt. 86.5'
See Rest Area
Full Area Back
LA
195'
Match Line 150' Rt.
FL = 1146.75
Match Line
LA
200'
FL = 1150.13
FL = 1151.74
G = 1153.66
Sta 172+00
1162.1
FL = 1151.74
LA
180'
FL = 1147.07
LA
185'
FL = 1150.50
FL = 1152.10
G = 1153.32
Sta 171+00
1160.2
FL = 1152.10
LA
165'
FL = 1147.39
LA
170'
3:1
FL = 1150.87
FL = 1151.33
G = 1153.29
Sta 170+00
1155.2
FL = 1151.33
FL = 1147.71
Scale: 1" = 10'
Sta. 169+00
140 120 100 80 60 40 20 ℄ 20 40 60 80
CROSS SECTIONS - STA. 170+00 TO STA. 173+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
110					
	1222	582	22		
				3408	41
110					
	1222	1258	0		
				5037	0
110					
	1222	1462	0		
				4589	0
110					
	1256	1016	0		
				2004	800
116		Sta. 177+00		Sta. 177+00	66 432

Match Line- See Rest Area

G=1158.16
Sta 181+00
1160.2

Match Line- See Rest Area

Match Line- See Rest Area

G=1157.66
Sta 180+00
1162.6

Match Line- See Rest Area

Match Line- See Rest Area

G=1157.16
Sta 179+00
1163.2

Match Line- See Rest Area

Match Line- See Rest Area

G=1156.66
Sta 178+00
1162.3

Match Line- See Rest Area

Scale: 1"= 10'

140 120 100 80 60 40 20 0 20 40 60 80

CROSS SECTIONS - STA. 178+00 TO STA. 181+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING END WIDTH	SEEDING SQ. YDS.
180	
98	
	1083
97	
	1150
110	
	1222
110	
	1222
110	

Ahead
Back

Match Line

G=1160.16
Sta 185+00
1150.0

Sta 185+75 Rt
End L-10 Sodding
Width = 7.0'

LA

180'

FL=1149.77

Main Line Back

Match Line

Ramp "S" = 17+85 Back

Area C=102, F=236

Full Area Ahead

Match Line-See Rest Area

G=1159.66
Sta 184+00
1153.6

Match Line-See Rest Area

Match Line-See Rest Area

Sta 183+00 Rt
Begin L-10 Sodding
Width = 7.0'

G=1159.16
Sta 183+00
1155.3

Match Line-See Rest Area

Match Line-See Rest Area

G=1158.66
Sta 182+00
1156.2

Scale: 1" = 10'

Sta 181+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 182+00 TO STA. 185+00

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
Ahead	102	1686		
Back	0	1450		
			0	4882
	0	1186		
			0	3508
	0	708		
			285	2137
	154	446		
			1363	867
Sta 181+00	582	22		

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
206		LA 170'	658	12	
	2311	G=1162.16 Sta 189+00 1162.9		1507	341
LA 162'					
210		FL = 1158.00	156	172	
	2361	G=1161.66 Sta 188+00 1160.1		311	1852
LA 175'					
215		FL = 1156.00	LA 174'		
			12	828	
	2494	G=1161.16 Sta 187+00 1157.6		48	3970
234	Ahead		LA 177'		
163	Back	Match Line ℄ Str.			
LA 186'			Ahead	14	1316
			Back	10	1086
1906		FL = 1155.47	FL = 1151.89		
		G=1160.66 Sta 186+00 1154.9		207	5133
		Ramp "T" Back Sta. 18+70 C-4, F-230	Main Line Back		
180	Sta. 185+00 Ahead	Full Area Ahead	Scale: 1"=10' Sta. 185+00 Ah.	102	1686

140 120 100 80 60 40 20 20 40 60 80 CROSS SECTIONS - STA. 186+00 TO STA. 189+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ YDS.	CUT	FILL	CUT	FILL
220		4710	0		
	2422			16011	0
216		3936	0		
	2422			12815	0
220		2984	0		
	2411			8630	0
214		1616	0		
	2333			4322	22
206		658	12		

LA
170'

G=1164.16
Sta 193+00
1180.1

G=1163.66
Sta 192+00
1176.9

G=1163.16
Sta 191+00
1172.3

G=1162.66
Sta 190+00
1167.3

FL=1158.32

Scale: 1" = 10'

Sta. 189+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS – STA. 190+00 TO STA. 193+00

FED. RD DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SHEDDING END WIDTH	SHEDDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
246					
	2711	5900	0	21322	0
242		5614	0		
	2689			21004	0
242		5728	0		
	2650			20389	0
235		5282	0		
	2528			18504	0
220		4710	0		

LA 170'

G=1165.64
Sta 197+00
1189.5

G=1165.47
Sta 196+00
1187.7

G=1165.14
Sta 195+00
1186.5

End Ramp "T" Dec Lane
Sta. 194+62

G=1164.66
Sta 194+00
1183.7

Sta. 193+00

140 120 100 80 60 40 20 20 40 60 80

Scale: 1" = 10

CROSS SECTIONS - STA. 194+00 TO STA. 197+00

FED. NO. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

Sta. 201+52.90
End Acceleration Lane
Ramp "S"

SEEDING END WIDTH	SEEDING SQ YDS		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
226		LA				
		G=1164.66 Sta. 201+00 1169.2				
	2578		1280	0		
					7319	0
238		LA				
		G=1165.14 Sta. 200+00 1173.4				
	2711		2672	0		
					12244	0
250		LA				
		G=1165.47 Sta. 199+00 1180.0				
	2761		3940	0		
					17500	0
247		LA				
		G=1165.64 Sta. 198+00 1187.2				
	2739		5510	0		
					21130	0
246		Sta. 197+00	5900	0		

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 198+00 TO STA. 201+00

Scale: 1" = 10'

LD 203 DIVISION	STATE	PROJECT		98
2	OHIO			

SUM-8-1.89
SUMMIT COUNTY

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
224		LA	LA		
			190	142	
	2489			470	837
		LA	LA		
224		64	310		
	2489			378	1130
		LA	LA		
224		140	300		
	2500			1019	585
		LA	LA		
226		410	16		
	2511			3130	30
226		Sta. 201+00	1280	0	

FL=1159.5

G=1162.66
Sta. 205+00
1160.0

8:1
4:1
2:1
FL=1157.2

Sta. 204+00-Lt
End L-10 Sodding
Width = 8.0'

FL=1160.0

G=1163.16
Sta. 204+00
1160.6

FL=1157.5

Sta. 203+80-Lt
Begin L-10 Sodding
Width=8.0'

Sta. 203+00-Rt
End L-10 Sodding
Width=6.0'

G=1163.66
Sta. 203+00
1161.2

FL=1158.5

Sta. 202+70-Rt
Begin L-10 Sodding
Width=6.0'

G=1164.16
Sta. 202+00
1165.0

FL=1161.0

Scale: 1"=10'

140 120 100 80 60 40 20 | 20 40 60 80

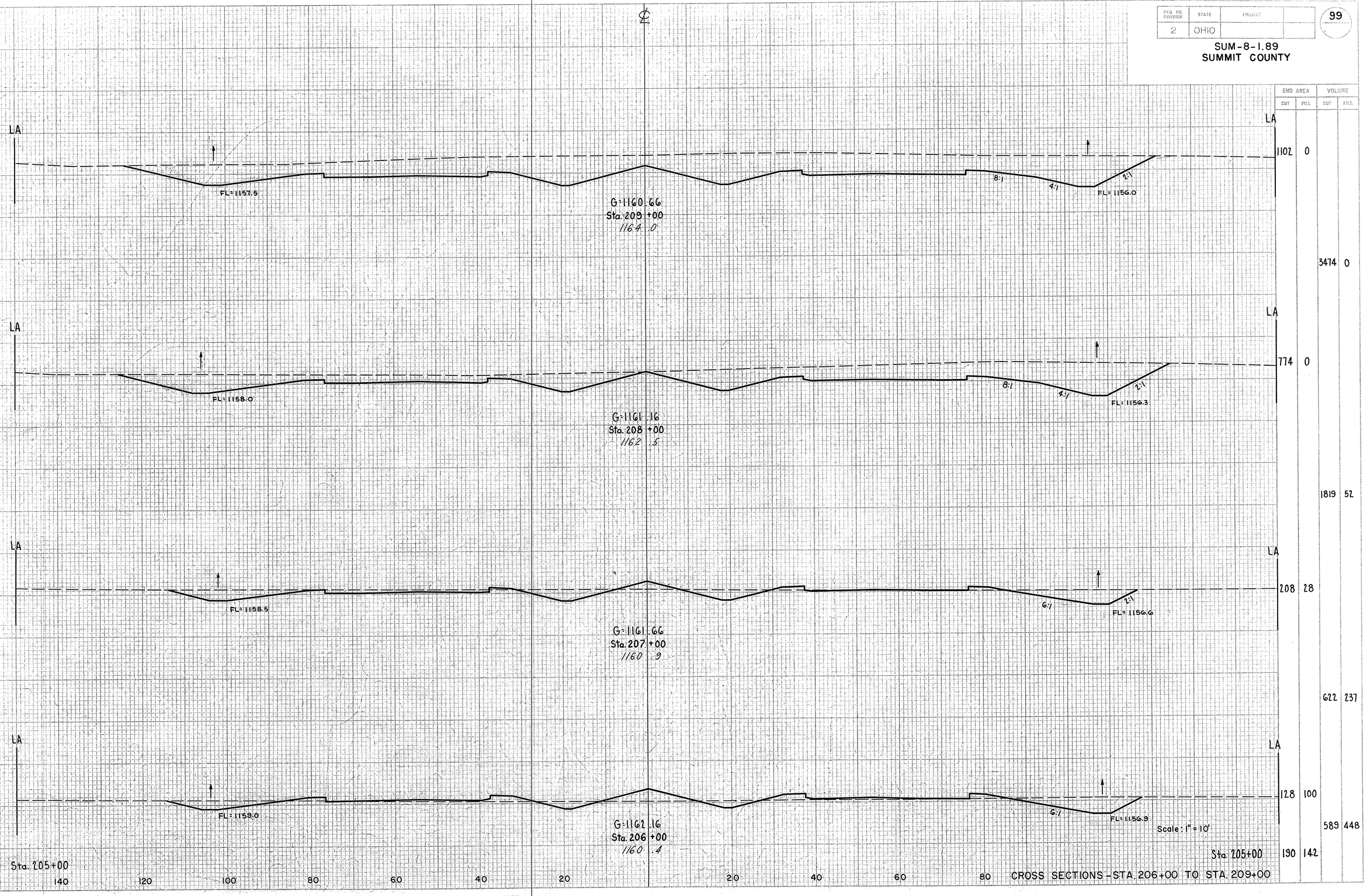
CROSS SECTIONS - STA. 202+00 TO STA. 205+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
226		LA			
		1102	0		
	2511			3474	0
226		LA			
		774	0		
	2500			1819	52
224		LA			
		208	28		
	2489			622	237
224		LA			
		128	100		
	2489			589	448
224		Sta. 205+00	190	142	



CROSS SECTIONS - STA. 206+00 TO STA. 209+00

SEEDING	
END WIDTH	SQ. YDS.
66	
	367
66	
	722
64	
	583
41	
	410
41	

8+50 End Seeding

End E.W. Sta. 8+95
Use Area at Sta 9+00

G-1151.47
Sta. 9+00
1153.4

G-1152.8
Sta. 8+00
1157.1

G-1154.1
Sta. 7+00
1155.5

G-1155.5
Sta. 6+00
1155.6

1155.8
Sta. 5+10
Begin Channel Change

5+10

End Earthwork
Sta. 8+95

END AREA		VOLUME	
CUT	FILL	CUT	FILL
20	0		
		134	0
56	0		
		130	0
14	0		
		30	0
2	0		
		4	0
0	0		

SEEDING	
END WIDTH	SQ. YDS.
40	
	533
56	
	678
66	
	644
50	
	278
50	

15+00

G-1149.9
Sta. 14+00

G-1150.10
Sta. 13+00
1053.0

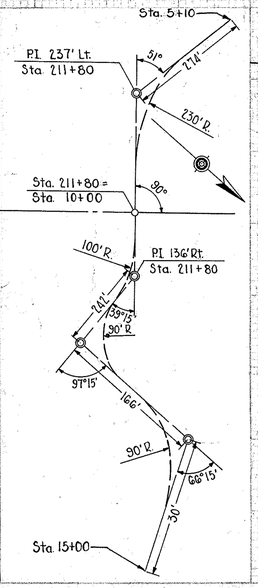
G-1150.3
Sta. 12+00
1051.5

Sta. 11+50
Begin Seeding

G-1150.50
Sta. 11+00
1054.5

Begin Earthwork Sta. 11+00

G-1150.97
Sta. 10+00
1055.7



End Earthwork Sta. 15+00

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
		7	0
4	0		
		63	0
30	0		
		78	0
12	0		
		122	0
54	0		

FED. ROAD DIV. NO.	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM.-8-1.89

Mainline Sta. 211+80 Lt. & Rt.

Scale: 1" = 10'

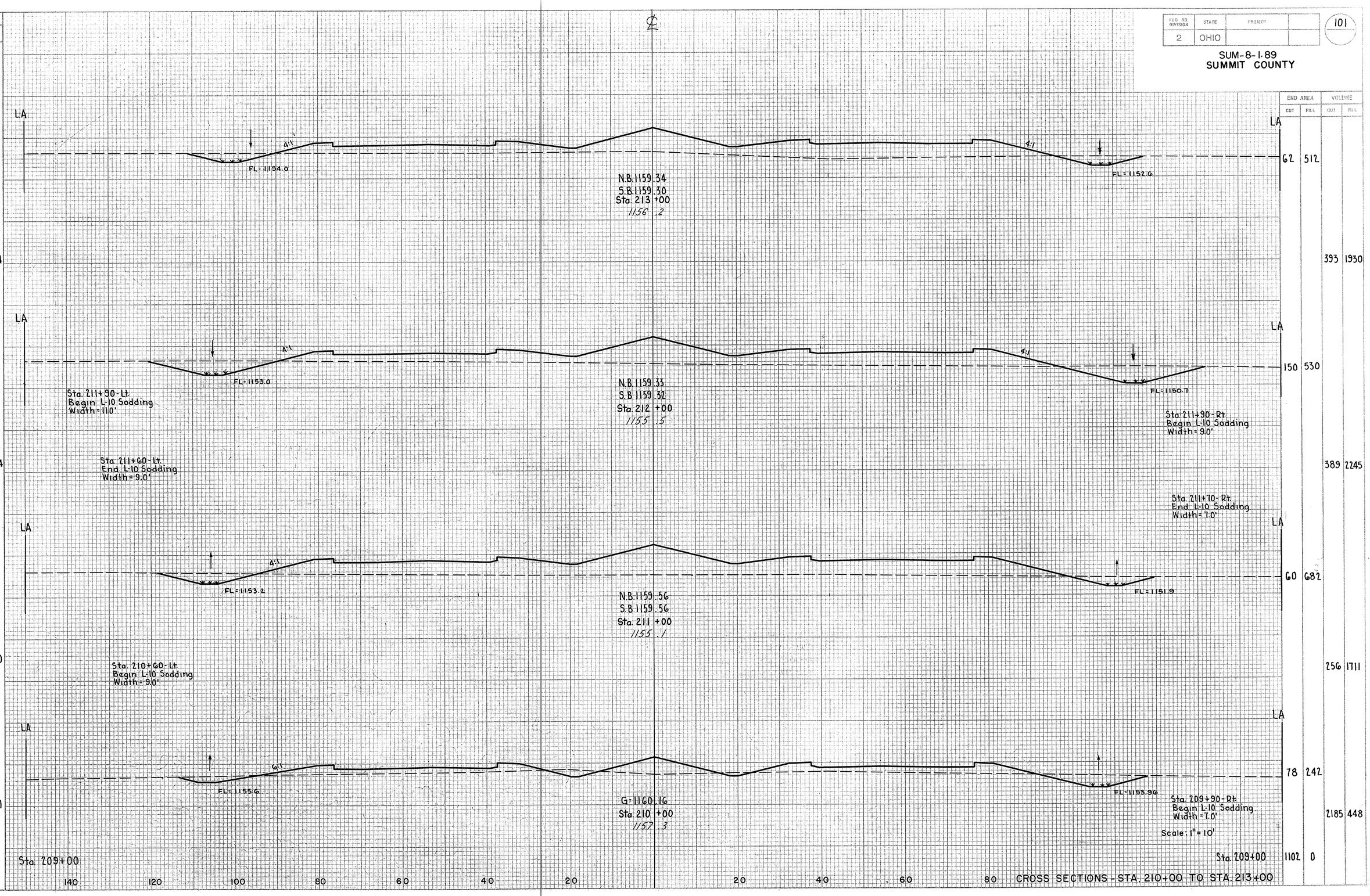
CHANNEL CHANGE

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
224		62	512		
	2494			393	1930
225		150	530		
	2494			389	2245
224		60	682		
	2500			256	1711
226		78	242		
	2511			2185	448
226		1102	0		



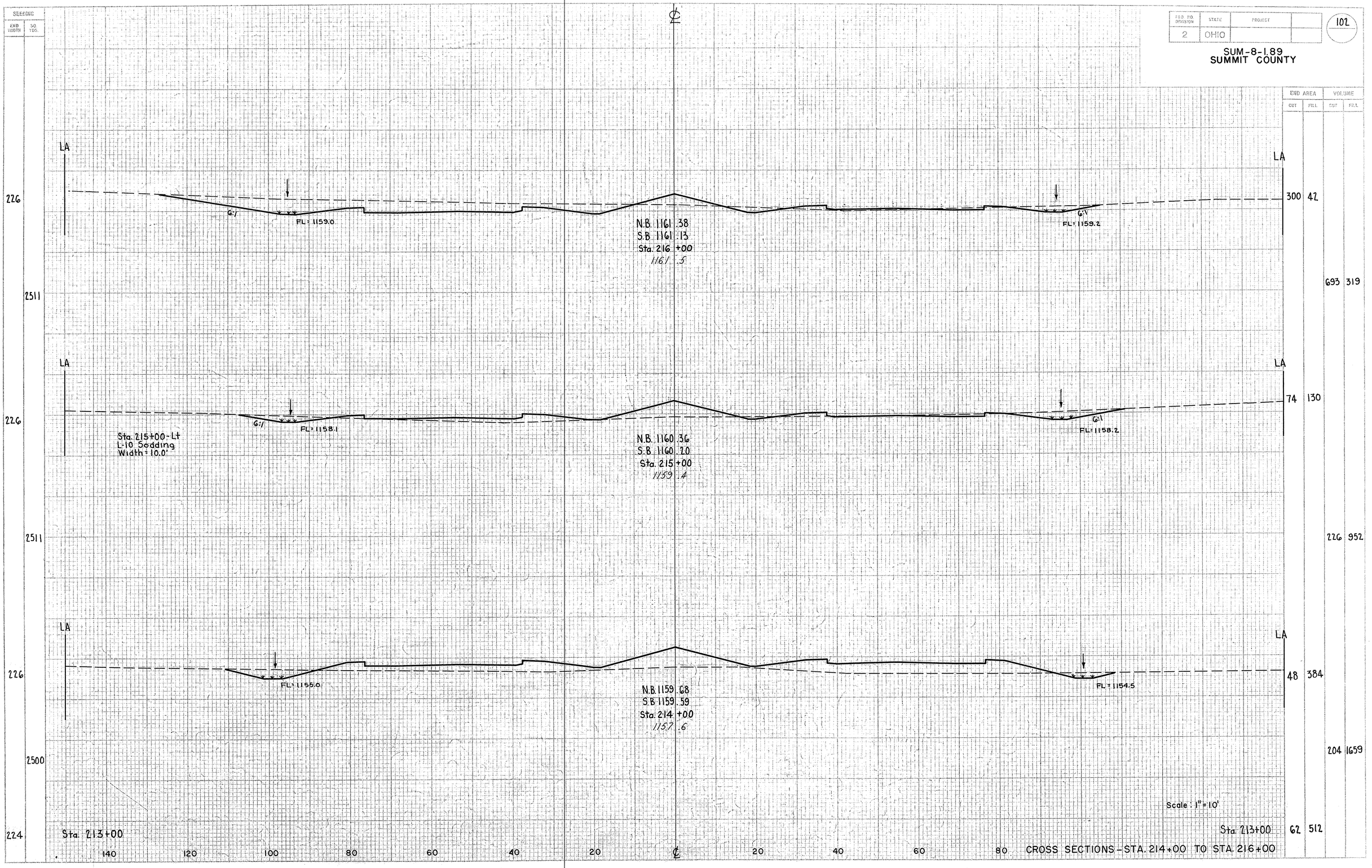
CROSS SECTIONS - STA. 210+00 TO STA. 213+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
226	2511				
		300	42		
				693	319
226	2511	74	130		
				226	952
226	2500	48	384		
				204	1659
224		62	512		



CROSS SECTIONS – STA. 214+00 TO STA. 216+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89
SUMMIT COUNTY

SEEDING		END AREA		VOLUME	
END WIDTH	SQ YDS.	CUT	FILL	CUT	FILL
220		LA			
		3:1			
		FL=1163.7			
		N.B. 1166.46			
		S.B. 1165.82			
		Sta. 219+00			
		1169.4			
		G:1			
		LA			
	2444		688	0	
		Sta. 218+75-Rt.			
		End L-10 Sodding			
		Width=9.0'		2396	0
		LA			
220					
		FL=1161.8			
		N.B. 1164.43			
		S.B. 1163.94			
		Sta. 218+00			
		1167.2			
		G:1			
		FL=1162.1			
	2456		606	0	
				1461	222
		LA			
222					
		FL. 1160.2			
		N.B. 1162.74			
		S.B. 1162.38			
		Sta. 217+00			
		1162.1			
		5:1			
		G:1			
		FL=1159.5			
		LA			
	2489		183	120	
				894	300
226		Sta. 216+00	300	42	

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 217+00 TO STA. 219+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
198		448	46		
	2289			1789	130
214		518	24		
	2366			1915	66
216		526	12		
	2411			1678	48
218		380	14		
	2433			1918	26
220		688	0		

LA

FL=1171.7

N.B. 1175.25
S.B. 1173.97
Sta. 223+00
1174.7

FL=1169.7

N.B. 1173.05
S.B. 1171.93
Sta. 222+00
1173.4

6:1

EQUATION
STA. 221+11.75 AHEAD =
STA. 221+10.81 BACK

FL=1167.7

N.B. 1170.87
S.B. 1169.91
Sta. 221+00
1171.5

FL=1165.7

N.B. 1168.67
S.B. 1167.87
Sta. 220+00
1169.5

Sta. 220+00-Lt
End L-10 Sodding
Width = 10.0'

Sta. 219+00

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

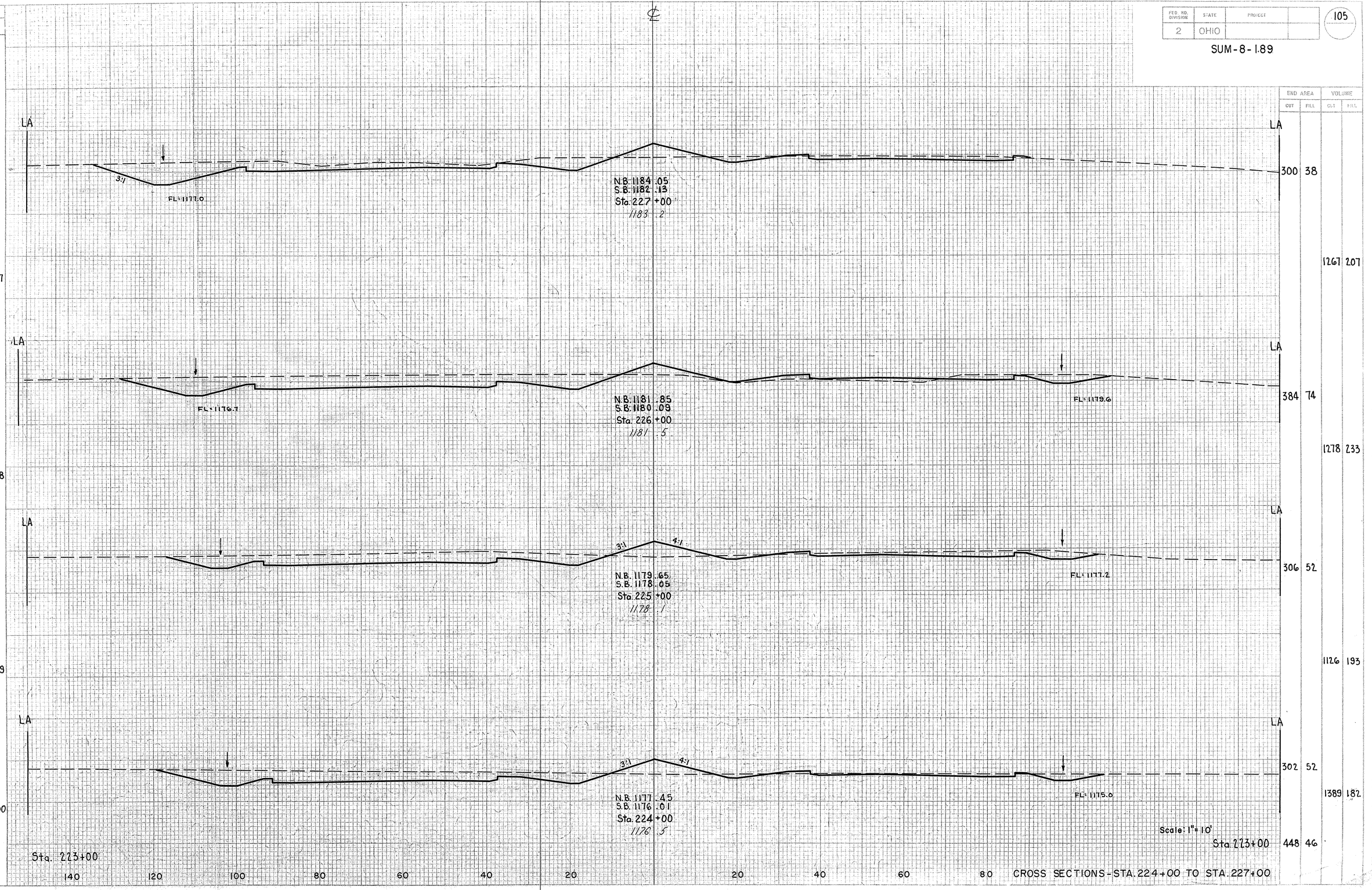
CROSS SECTIONS - STA. 220+00 TO STA. 223+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89

SEEDING	
END WIDTH	SQ YDS
194	
	2167
196	
	2178
196	
	2189
198	
	2200
198	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
		1267	207
		1278	233
		1126	193
		1389	182

CROSS SECTIONS - STA. 224+00 TO STA. 227+00

FED RD DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89

SEEDING		END AREA		VOLUME	
END WIDTH	SQ YDS	CUT	FILL	CUT	FILL
200		LA			
			34	2454	
	2244				133 7559
		LA			
204			38	1628	
					137 4810
	2200				
		LA			
192			36	1002	
	2133				289 2356
		LA			
192			120	270	
	2144				778 570
194			300	38	

LA

FL= 1178.2

2:1

N.B. 1192.86
S.B. 1190.30
Sta. 231+00
1180.7

LA

FL= 1177.9

N.B. 1190.65
S.B. 1188.26
Sta. 230+00
1181.5

LA

FL= 1177.6

N.B. 1188.45
S.B. 1186.21
Sta. 229+00
1182.5

LA

2:1

FL= 1177.3

4:1

N.B. 1186.25
S.B. 1184.17
Sta. 228+00
1183.4

Sta. 227+00

Scale: 1" = 10'

Sta. 227+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 228+00 TO STA. 231+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89

SEEDING END WIDTH	SEEDING SQ. YDS.
166	234
	2511
218	
	2400
214	
	2283
197	
	2206
200	

See Ramp "J" Cross Sections For Area Ahead

See Ramp Cross Sections For Ditch

Match Line

LA 183'

2:1

Ahead Area

Back Area

Ahead

Back

FL=1196.54

2.4:1

4:1

FL=1199.74

LA 180'

N.B. 1201.66
S.B. 1198.46
Sta. 235+00
1182.7

LA 172'

FL=1179.5

2:1

LA 170'

N.B 1199.46
S.B. 1196.42
Sta. 234+00
1180.8

LA 162.5'

FL=1179.0

2:1

LA 158'

N.B. 1197.26
S.B 1194.38
Sta. 233+00
1178.0

LA

FL=1178.5

℄ STR.

℄ STR.

2:1

LA

N.B. 1195.06
S.B. 1192.34
Sta. 232+00
1177.6

Sta. 231+00

Scale: 1"=10'

Sta. 231+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 232+00 TO STA. 235+00

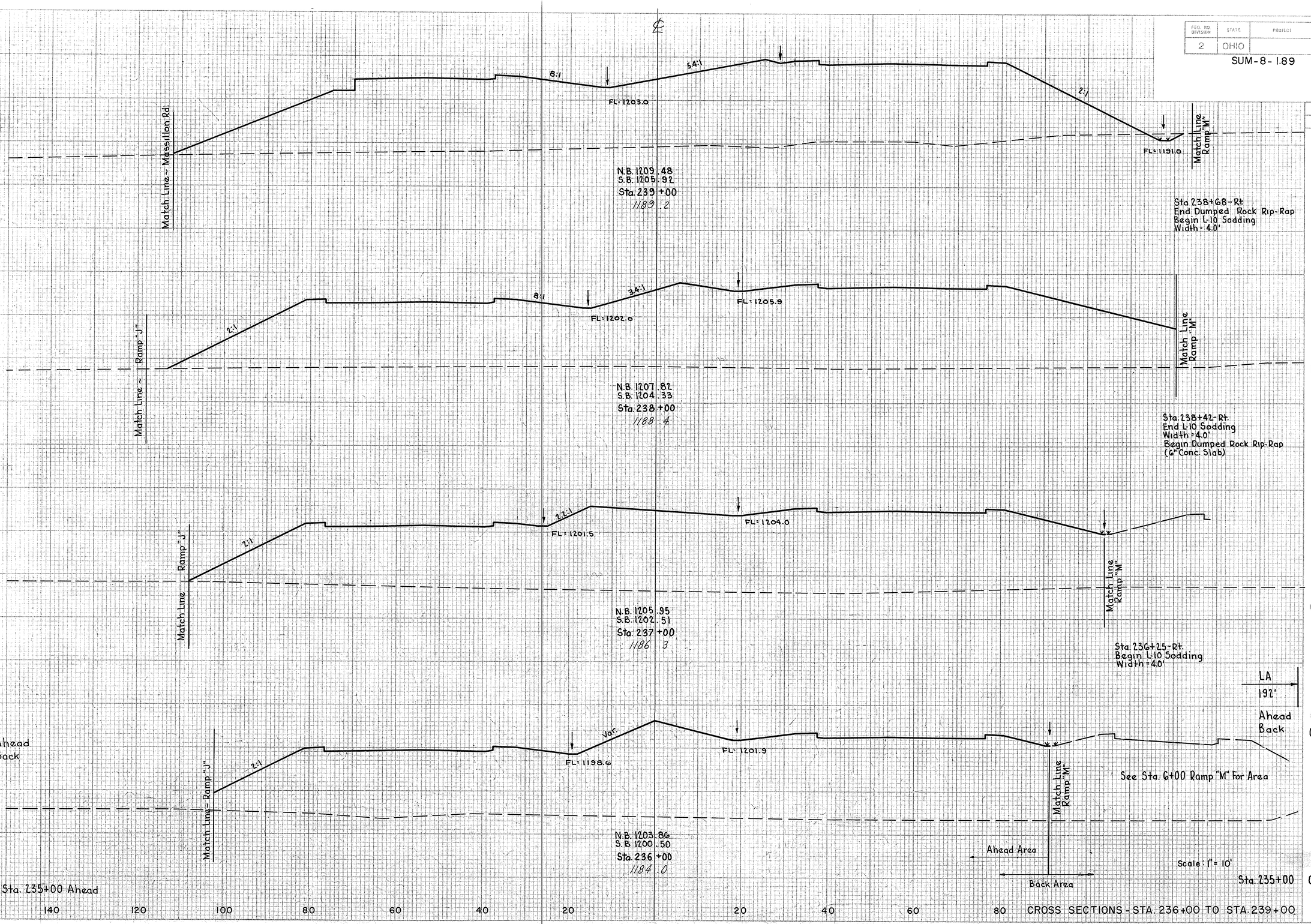
	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
Ahead	0	3738		
Back	8	4102	33	14967
	10	3980	30	14348
	6	3768	41	13126
	16	3320	93	10693
	34	2454		

FED. RD DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89

SEEDING END WIDTH	SEEDING SQ YDS.
170	
186	1
165	
165	6
133	
141	1
121	
204	
205	6
166	



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0	3218		
		0	12485
0	3514		
		0	12652
0	3308		
		0	12126
Ahead 0	3240		
Back 0	4370		
		0	15015
Sta. 235+00 0	3738		

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUM-8-1.89

℄

End Sodding Sta. 243+20 ℄

FL=1209.5

FL=1208.3

2:1

2:1

FL=1193.5

Match Line

Sta. 242+50-Lt.
Begin L-10 Sodding
36 L.F Sodding For Outlet Ditch
Width = 4.0'

N.B. 1213.94
S.B. 1210.08
Sta. 243+00
1191.8

Begin L-10 Sodding
Sta. 242+50 ℄
Width 5.0'

Sta. 242+90-Rt.
Begin L-10 Sodding
Width = 6.0'

Structure

2:1

Match Line

Match Line

N.B. 1213.15
S.B. 1209.37
Sta. 242+00
1192.2

Seeding Limit

Match Line-Massillon Rd.

Match Line-Ramp "M"

Structure

Begin Earthwork
Sta. 241+00

FL=1195.0

N.B. 1212.15
S.B. 1208.45
Sta. 241+00
1190.9

Structure

End Earthwork
Sta. 240+78
Area 0

Match Line

Match Line-Ramp "M"

N.B. 1210.92
S.B. 1207.36
Sta. 240+00
1189.6

FL=1191.5

Sta. 239+78-Rt.
End L-10 Sodding
Width = 4.0'

Scale: 1" = 10'

Sta. 239+00

Seeding Limit

Sta. 239+00

CROSS SECTIONS-STA. 240+00 TO STA. 243+00

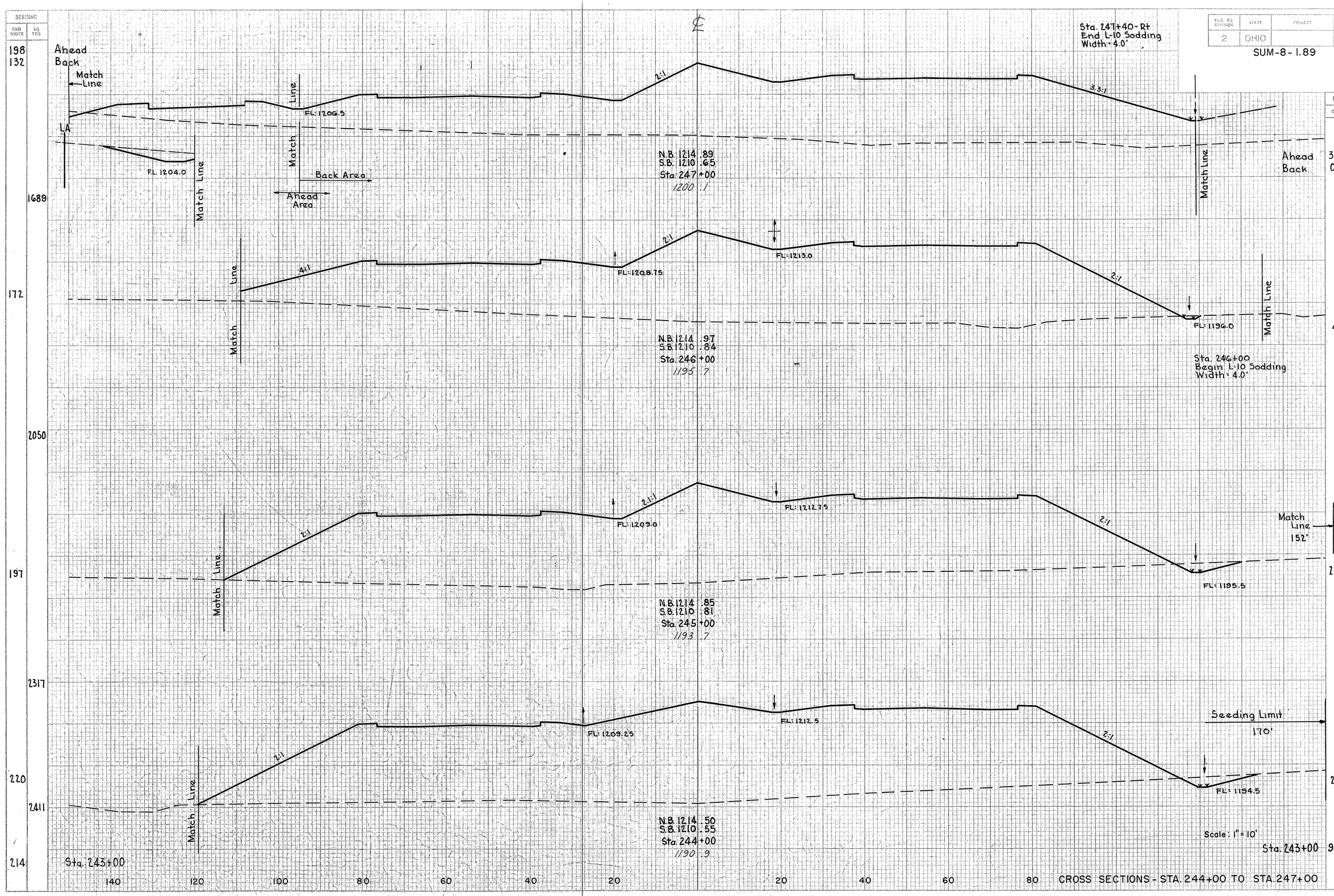
SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
214		92	3440		
	1950			170	10022
137		0	1972		
	1506			19	3652
134		10	0		
	1522	0	0		
140				23	3145
	1722	16	1698		
170				30	9104
		0	3218		

140 120 100 80 60 40 20 20 40 60 80

FILE NO. DIVISION	STATE	PROJECT		110
2	OHIO			

SUM-8-1.89

SEEDING END WIDTH	SEEDING SQ. YDS.
198	
132	
	1689
172	
	2050
197	
	2317
220	
241	
214	



	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
Ahead	36	2696		
Back	0	2510		
			7	10285
	4	3044		
			44	12022
	20	3448		
			82	13589
	24	3890		
			215	13574
	92	3440		

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

111

SUM-8-1.89

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
206		18	1614		
	2289			700	5741
206		360	1486		
	2306			748	6611
209		44	2084		
	2333			119	8311
211		Ahead 20	2404		
150		Back 20	1930		
198	1933	Sta. 247+00 36	2696	104	8567

LA

F.L. 1204.5

2:1

℄ STR.

LA 176'

N.B. 12.13 .34
S.B. 12.09 .02
Sta. 251 +00
1201 .9

LA

F.L. 1207.0

2:1

℄ STR.

Match Line

LA

Match Line

N.B. 12.13 .76
S.B. 12.09 .44
Sta. 250 +00
1204 .3

LA

F.L. 1206.0

2:1

Match Line

Match Line

LA

N.B. 12.14 .17
S.B. 12.09 .85
Sta. 249 +00
1202 .4

Ahead

Back

LA

F.L. 1205.0

2:1

4:1

F.L. 1207.8

Match Line

Back Area

LA

Ahead Area

Match Line

N.B. 12.14 .59
S.B. 12.10 .27
Sta. 248 +00
1201 .7

Ahead
Sta. 247+00

140 120 100 80 60 40 20 ℄ 20 40 60 80

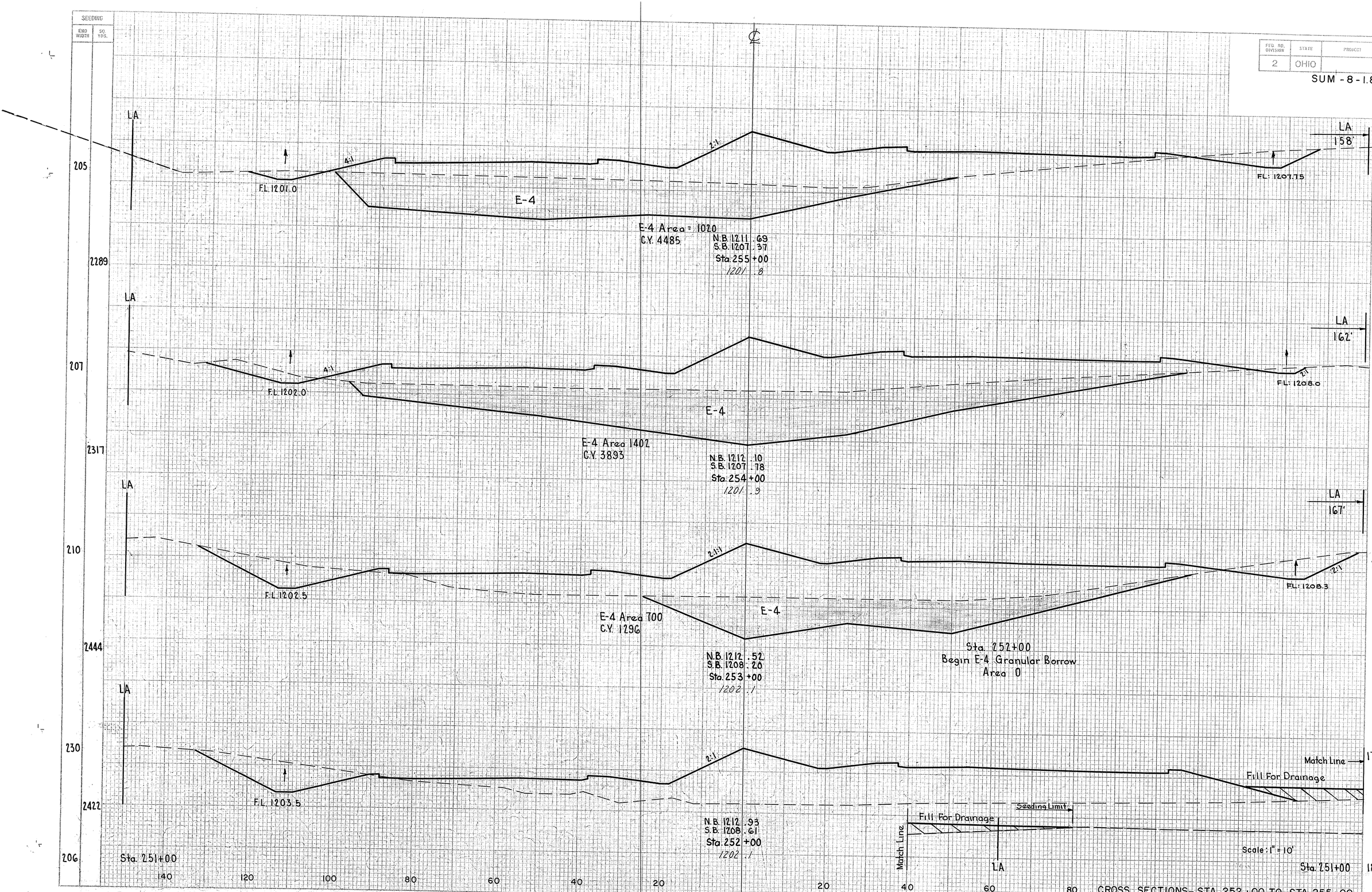
CROSS SECTIONS - STA. 248+00 TO STA. 251+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

112

SUM - 8 - 1.89

SEEDING	
END WIDTH	SQ. YDS.
205	
	2289
207	
	2317
210	
	2444
230	
	2422
206	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
96	1030		
		307	4204
70	1240		
		567	4711
236	1304		
		752	5311
170	1564		
		348	5885
18	1614		

CROSS SECTIONS- STA. 252+00 TO STA. 255+00

FED. ROAD DIVISION	STATE	PROJECT
2	OHIO	

113

SUM-8-1.89

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
206		LA			
	2267	2010	0		
				4174	467
202		LA			
	2244	244	252		
				919	1485
		LA			
		252	550		
202				1230	2826
	2250	LA			
		154			
		412	976		
203				941	3715
	2267				
205					

LA — 2:1 — F.L. 1203.5 — N.B. 1210.03 S.B. 1205.71 Sta. 259+00 1217.2 — 2:1 — F.L. 1206.8 — LA

LA — 4:1 — F.L. 1204.0 — 2:1 — N.B. 1210.45 S.B. 1206.13 Sta. 258+00 1206.3 — 2:1 — F.L. 1207.0 — LA

LA — 4:1 — F.L. 1202.0 — 2:1 — N.B. 1210.86 S.B. 1206.54 Sta. 257+00 1204.0 — 2:1 — F.L. 1207.3 — LA

Sta. 256+50
End E-4 Granular Borrow.
Area 0
C.Y. 406

LA — 4:1 — F.L. 1200.0 — E-4 — 2:1 — N.B. 1211.27 S.B. 1206.95 Sta. 256+00 1202.2 — 2:1 — F.L. 1207.5 — LA

E-4 Area 438
C.Y. 2100

Scale: 1" = 10'

Sta. 255+00 — 96 — 1030

Sta. 255+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 256+00 TO STA. 259+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

114

SUM - 8 - 1.89

SEEDING		END AREA		VOLUME	
END WIDTH	SQ YDS	CUT	FILL	CUT	FILL
228	2522	5950	0	20704	0
226	2461	5230	0	16019	0
217	2350	3420	0	10056	0
206		2010	0		

℄

LA

2:1

FL: 1202.4

N.B. 1208.79
S.B. 1204.47
Sta. 262 +00
1232.9

FL: 1206.0

FL: 1202.5

N.B. 1209.20
S.B. 1204.88
Sta. 261 +00
1226.5

FL: 1206.2

FL: 1203.0

N.B. 1209.62
S.B. 1205.30
Sta. 260 +00
1222.4

FL: 1206.5

Sta. 259+00

140 120 100 80 60 40 20 20 40 60 80

Scale: 1" = 10'

CROSS SECTIONS - STA. 260+00 TO STA. 262+00

FED RD DIVISION	STATE	PROJECT	
2	OHIO		

115

SUM-8-1.89

SEEDING

END WIDTH	SQ. YDS.
248	2733
244	2689
240	2600
228	

℄

LA 160'

2:1

2:1

N.B. 1207.52
S.B. 1203.23
Sta. 265+00
1217.6

LA 152.5'

2:1

FL: 1205.3

2:1

LA 160'

2:1

2:1

N.B. 1207.96
S.B. 1203.64
Sta. 264+00
1226.7

LA

2:1

FL: 1205.5

2:1

LA 160'

2:1

2:1

4:1

N.B. 1208.38
S.B. 1204.06
Sta. 263+00
1234.9

LA

2:1

FL: 1205.8

Sta. 262+00

140 120 100 80 60 40 20

20 40 60 80

CROSS SECTIONS - STA. 263+00 TO STA. 265+00

Scale: 1" = 10'

Sta. 262+00

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
3544	0		
		16589	0
5414	0		
		23007	0
7010	0		
		24000	0
5950	0		

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

116

SUM-8-1.89

SEEDING

	END WIDTH	SQ. YDS.
250		2783
251		2828
258		2839
253		2783
248		

℄

LA 160'

3:1

2.5:1

N.B. 1203 .82
S.B. 1200 .92
Sta. 269 +00
1207 .4

LA 160'

3:1

LA 160'

2:1

2.4:1

N.B. 1205 .06
S.B. 1201 .76
Sta. 268 +00
1214 .8

LA 160'

2:1

2.2:1

N.B. 1206 .08
S.B. 1202 .38
Sta. 267 +00
1222 .2

LA 160'

2:1

2:1

N.B. 1206 .90
S.B. 1202 .81
Sta. 266 +00
1220 .1

LA 157'

2:1

Sta. 266+00-Rt
Begin L-10 Sodding
Width 13.0'

Scale : 1" = 10'

Sta. 265+00

Sta. 265+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 266+00 TO STA. 269+00

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	2442	0		
			10100	0
	3012	0		
			14893	0
	5030	0		
			16448	0
	3792	0		
			13585	0
	3544	0		

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

117

SUM-8-1.89

SEEDING		END AREA		VOLUME	
END WIDTH	SQ YDS.	CUT	FILL	CUT	FILL
240					
	2744				
254					
	2800				
250					
	2718				
250					
	2718				
250					

LA

Sta. 273+50-Lt.
End L-10 Sodding
Width=11.0'

3:1

3:1

N.B. 1196.87
S.B. 1195.42
Sta. 273+00
1196.0

Sta. 273+60-Rt.
End L-10 Sodding
Width 8.0'

LA
160'

℄ STR.

4:1

2:1

FL: 1187.5

392 860

LA
160'

2:1

3:1

℄ STR.

LA
160'

4:1

4:1

FL: 1189.5

1222 410

2989 2352

LA
160'

2:1

2.8:1

N.B. 1200.75
S.B. 1198.60
Sta. 271+00
1199.9

4:1

FL: 1197.0

Sta. 270+50-Rt.
Begin L-10 Sodding
Width=8.0'

LA
160'

1066 140

4526 285

Sta. 270+50-Rt.
End L-10 Sodding
Width = 13.0'

LA
160'

3:1

2.6:1

3:1

FL: 1200.2

1378 14

7014 26

N.B. 1202.39
S.B. 1198.87
Sta. 270+00
1203.3

Sta. 270+00-Lt.
Begin L-10 Sodding
Width= 11.0'

Scale: 1"=10'

Sta. 269+00

2442 0

Sta. 269+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTONS - STA. 270+00 TO STA. 273+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

118

SUM -8-1.89

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
226	2511	458	226	1663	852
226	2522	440	234	2111	1048
228	2589	700	332	2445	1033
238	2656	620	226	1874	2011
240		392	860		

LA

3:1

4:1

N.B. 1186 .64
S.B. 1186 .47
Sta. 277+00
1186 .4

LA

3:1

3.7:1

4:1

N.B. 1189 .50
S.B. 1189 .03
Sta. 276+00
1187 .5

LA

3:1

3.3:1

4:1

N.B. 1192 .16
S.B. 1191 .38
Sta. 275+00
1190 .5

LA

3:1

3:1

4:1

N.B. 1194 .61
S.B. 1193 .51
Sta. 274+00
1192 .7

LA

160'

Sta. 273+00

140 120 100 80 60 40 20 20 40 60 80

Scale: 1" = 10'

CROSS SECTIONS - STA. 274+00 TO STA. 277+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

119

SUMMIT COUNTY
SUM-8-1.89

SEEDING

END WIDTH	SQ. YDS
248	
	2633
226	
	2511
226	
	2511
226	

LA
℄ STA.
G:1
FL = 1172.60
4:1
3:2:1
4:1
LA
172'
N.B. 1173.38
S.B. 1174.73
Sta. 281+00
1172.7

LA
℄ STA.
G:1
FL 1175.60
Sta. 280+00 - Lt.
End L-10 Sodding
Width = 8.0'
4:1
3.5:1
4:1
LA
N.B. 1176.86
S.B. 1177.73
Sta. 280+00
1176.6

LA
3:1
FL= 1178.60
Sta. 278+50 - Lt.
Begin L-10 Sodding
Width = 8.0'
4:1
3.8:1
4:1
LA
N.B. 1180.30
S.B. 1180.73
Sta. 279+00
1180.8

LA
3:1
4:1
4:1
LA
N.B. 1183.58
S.B. 1183.70
Sta. 278+00
1184.1

Sta. 277+00

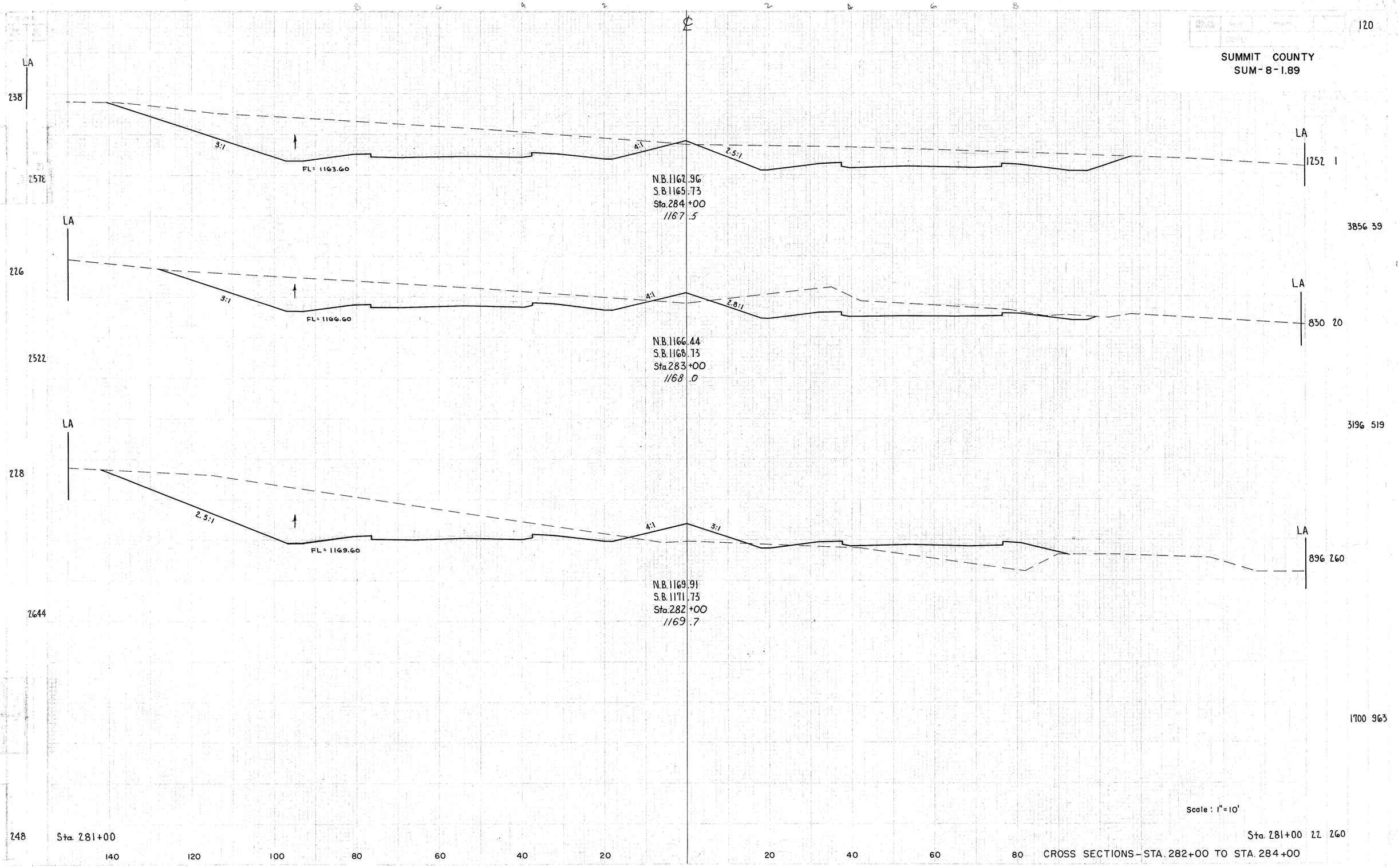
END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
22	260		
		541	830
270	188		
		1389	552
480	110		
		2448	333
842	70		
		2408	548
Sta. 277+00	458	226	

140 120 100 80 60 40 20 20 40 60 80

Scale: 1" = 10'

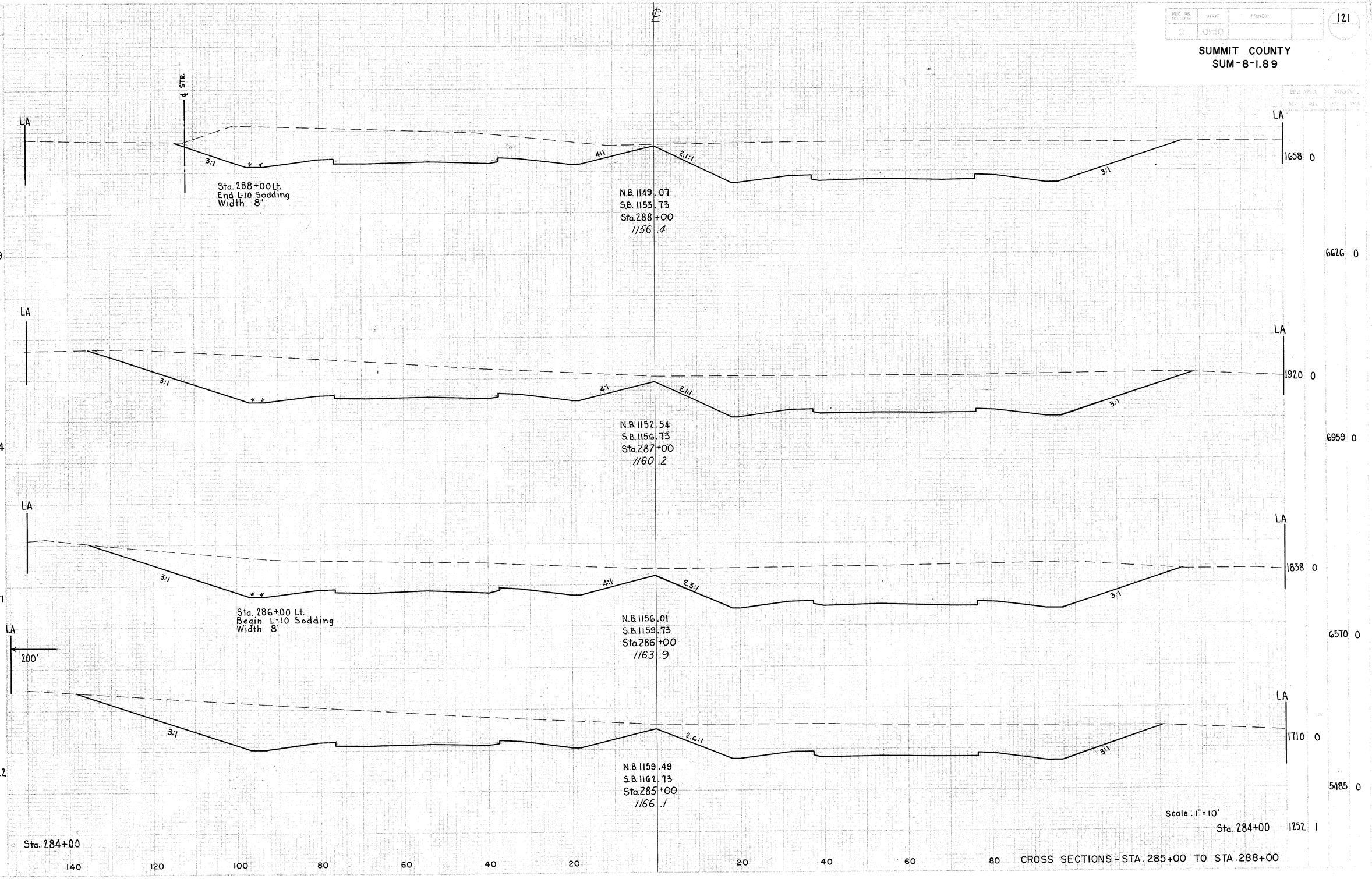
CROSS SECTIONS - STA. 278+00 TO STA. 281+00

SUMMIT COUNTY
SUM-8-1.89



CROSS SECTIONS – STA. 282+00 TO STA. 284+00

SUMMIT COUNTY
SUM-8-1.89



Scale: 1"=10'

CROSS SECTIONS - STA. 285+00 TO STA. 288+00

SUMMIT COUNTY
SUM-8-1.89

OHIO

℄

RW

Match Line

℄ Access Rd.
Sta. 44+22 ±
G = 1156.53
C = 0, F = 100

LA

Match Line

265

3:1

Sta. 292+00-Lt.
End L-10 Sodding
Width = 7.0'

2750

WA

℄ Access Rd.
Sta. 5+26 ±
G = 1159.36
C = 8, F = 0

Turkey Foot Lake Access Rd.
Sta. 5+50 End Earthwork
C = 8

Sta. 291+35-Lt.
Begin L-10 Sodding
Width = 7.0'

LA

Match Line

230

3:1

2544

N.B. 1135 .47
S.B. 1141 .73
Sta. 292+00
1152 .1

LA

3310 0

3:1

11074 0

Sta. 291+25-Rt.
End L-10 Sodding
Width = 8.0'

LA

2670 0

3:1

8782 0

N.B. 1138 .64
S.B. 1144 .73
Sta. 291+00
1151 .9

LA

228

3:1

5.4:1

2:1

2544

N.B. 1142 .12
S.B. 1147 .73
Sta. 290+00
1152 .4

LA

2072 0

3:1

6078 56

LA

230

3:1

4:1

2:1

2539

N.B. 1145 .59
S.B. 1150 .73
Sta. 289+00
1150 .1

LA

1210 30

3:1

5311 56

Sta. 288+90-Rt.
Begin L-10 Sodding
Width = 8.0'

Scale: 1" = 10'

227

Sta. 288+00

Sta. 288+00 1658 0

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 289+00 TO STA. 292+00

FED. AID DIVISION	STATE	PROJECT		123
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

SEEDING

ROAD WIDTH	SQ. YDS.
230	2583
235	2611
235	2761
262	2928
265	

℄

LA

2:1

4:1

2:1

3:1

N.B. 1129.20
S.B. 1133.73
Sta. 296+00
1192.0

LA 3210 0

11344 0

LA

2:1

3:1

N.B. 1129.86
S.B. 1134.84
Sta. 295+00
1141.2

LA 2916 0

10752 0

LA

3:1

Access Rd. Cont'd.
On Turkeyfoot Lake Rd.
Cross Sections,
See Sheet No. 165-168

℄ Turkeyfoot Lake Access Rd.
Sta. 3+22
G=1157.57
C=18, F=14

3:1

RW F.L. 1155.0

Match Line 150'

1150

N.B. 1131.08
S.B. 1136.55
Sta. 294+00
1195.9

3:1

LA 2890 0

11819 0

LA

Match Line

3:1

N.B. 1132.94
S.B. 1138.86
Sta. 293+00
1149.9

3:1

LA 3492 0

12596 0

Scale: 1"= 10'

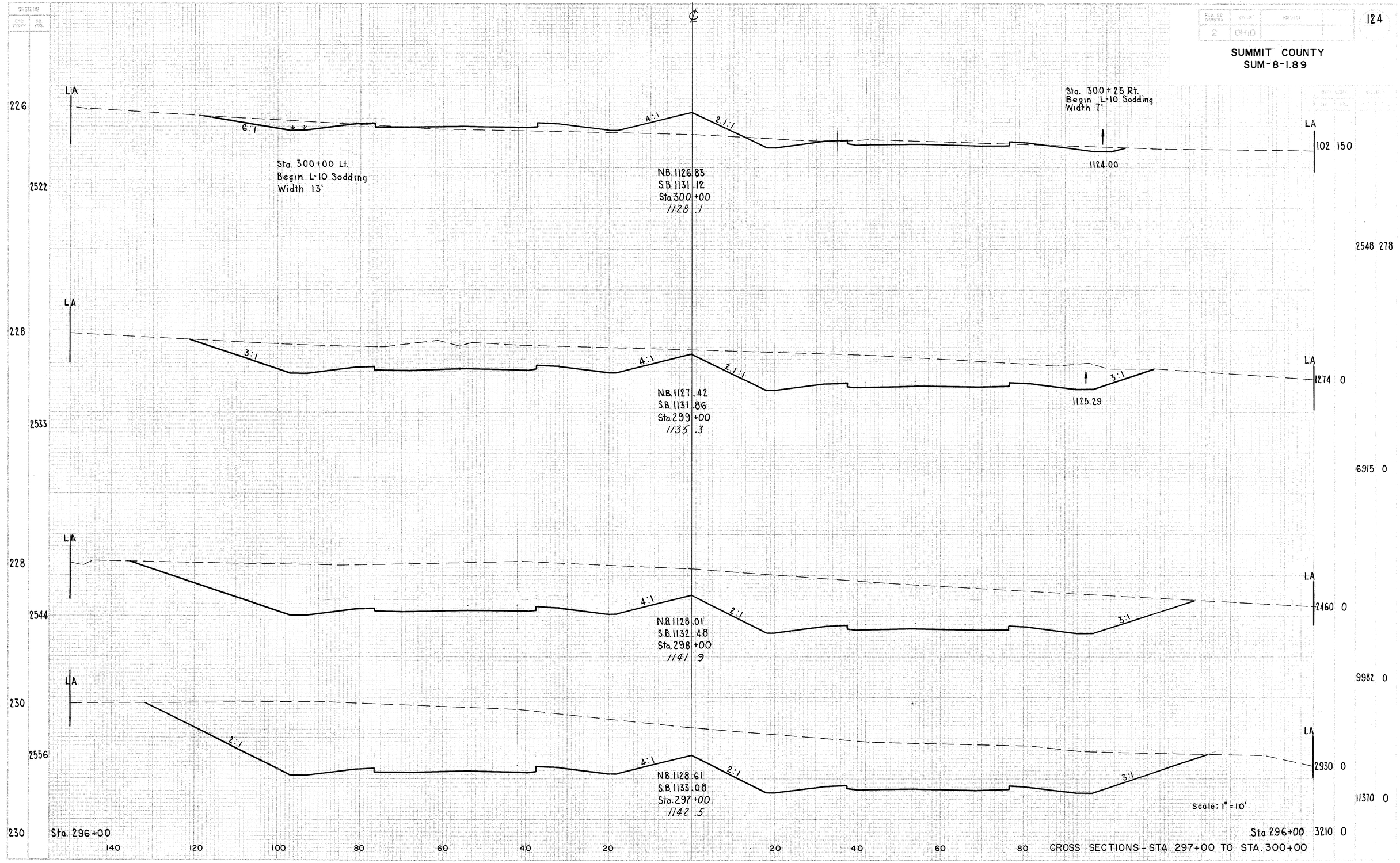
Sta. 292+00

Sta. 292+00 3310 0

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 293+00 TO STA. 296+00

SUMMIT COUNTY
SUM-8-1.89



Scale: 1" = 10'

CROSS SECTIONS - STA. 297+00 TO STA. 300+00

SECTIONS

END WIDTH	SQ. YDS.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

125

SUMMIT COUNTY
SUM-8-1.89

END AREA		VOLUME	
CUT	FILL	CUT	FILL

Sta. 304+00 Lt.
Begin L-10 Sodding
Width 9'

LA
227
2522
1124.72
Sta. 304+00 Lt.
End L-10 Sodding
Width 13'
2:1
LA
62 1310
F.L. 1112.00

N.B. 1124.46
S.B. 1126.85
Sta. 304+00
1117.4

230 4541

LA
227
2528
2.3:1
4:1
Sta. 303+25 Rt.
End L-10 Sodding
Width 13'
LA
62 1142
F.L. 1113.00

N.B. 1125.05
S.B. 1128.12
Sta. 303+00
1119.1

226 3441

LA
228
2522
3:1
2.2:1
4:1
LA
60 716
F.L. 1116.00

N.B. 1125.64
S.B. 1129.26
Sta. 302+00
1122.5

Sta. 301+75 Rt.
Begin L-10 Sodding
Width 13'

278 2063

Sta. 301+75 Rt.
End L-10 Sodding
Width 7'

LA
226
2511
4:1
2.1:1
LA
90 398
F.L. 1119.50

N.B. 1126.23
S.B. 1130.26
Sta. 301+00
1125.2

356 1015

Scale: 1" = 10'

226
Sta. 300+00
140 120 100 80 60 40 20 20 40 60 80
Sta. 300+00 102 150

CROSS SECTIONS – STA. 301+00 TO STA. 304+00

FED. RD. DIV. NO.	STATE	PROJECT	
2	OHIO		

126

SUMMIT COUNTY
SUM-8-1.89

SEEDING
2ND WIDTH | SIDE SLOPE

℄

LA

228

F.L. 1109.00

2533

N.B. 1121.01
S.B. 1121.28
Sta. 308+00
1109.0

F.L. 1106.00

LA

54 2150

170 8037

LA

228

3.8:1

F.L. 1111.00

2533

N.B. 1122.08
S.B. 1122.68
Sta. 307+00
1109.4

F.L. 1109.00

LA

38 2190

189 8007

LA

228

F.L. 1114.50

2528

N.B. 1123.00
S.B. 1124.07
Sta. 306+00
////.0

F.L. 1109.50

LA

64 2134

196 6911

LA

227

F.L. 1122.00

2.8:1

2:1

2522

N.B. 1123.79
S.B. 1125.47
Sta. 305+00
///2.7

F.L. 1110.50

LA

42 1598

193 5385

Scale: 1" = 10'

227

Sta. 304+00

Sta. 304+00 62 1310

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 305+00 TO STA. 308+00

FED. RT. DIVISION	STATE	PROJECT		127
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

SECTIONS

| SUB WIDTH | SQ. YDS. | | |

FED. HWY. DIVISION	STATE	PROJECT	
2	OHIO		

128

SUMMIT COUNTY
SUM-8-1.89

SEEDING
END WIDTH | SQ. YDS.

AREA | VOLUME
CUT | FILL | CUT | FILL

℄

227 — LA — 4:1 — EQUATION Sta. 317+00 Ah = Sta. 316+00 Bk. — 2517

G-1110.09
Sta. 317+00 Ah. =
Sta. 316+00 Bk.
1111.0

EQUATION
Sta. 317+00 Ah =
Sta. 316+00 Bk.

LA — 3:1 — LA — 660 84 — 1896 656

226 — LA — 4:1 — 2511

G-1111.48
Sta. 315+00
1110.1

LA — 4:1 — LA — 364 270 — 933 1567

226 — LA — 4:1 — 2506

G-1112.88
Sta. 314+00
1108.5

LA — 4:1 — LA — 140 630 — 348 3311

225 — LA — 4:1 — 2506

G-1114.28
Sta. 313+00
1106.6

LA — 6:1 — LA — 48 1158 — 89 4978

226 — Sta. 312+00

Sta. 312+00 0 1634

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS – STA. 313+00 TO STA. 317+00

FED. AID PROJECT	STATE	PROJECT	
2	OHIO		

SUMMIT COUNTY
SUM-8-1.89

SEEDING

AND MULCH	SQ. YDS.
225	2500
225	2494
224	2489
224	2506
227	

AREA AND VOLUME

	SQ. FT.	CU. YDS.
LA	294	268
		970 963
LA	230	252
		700 796
LA	148	178
		1315 363
LA	562	18
		2262 189
Sta. 317+00	660	84

LA
F.L. 1097.00
3:1
G-1104.49
Sta. 321+00
1103.0

LA
F.L. 1099.00
6:1
G-1105.89
Sta. 320+00
1103.6

LA
Sta. 319+00 Rt.
Begin L-10 Sodding
Width 15'
G-1107.29
Sta. 319+00
1105.8

LA
G-1108.69
Sta. 318+00
1109.5

Scale: 1" = 10'

Sta. 317+00 140 120 100 80 60 40 20 20 40 60 80 CROSS SECTIONS - STA. 318+00 TO STA. 321+00

SEEDING	
END WIDTH	SQ. YDS.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

130

SUMMIT COUNTY
SUM-8-1.89

Sta. 325+00 Rt.
End L-10 Sodding
Width 16'

END AREA		VOLUME	
CUT	FILL	CUT	FILL

LA

226 — 2511

F.L. 1090.00

G-1098.89
Sta. 325+00
1096.8

F.L. 1096.76

6:1

278 418

1274 1096

LA

226 — 2522

F.L. 1093.00

G-1100.29
Sta. 324+00
1099.4

F.L. 1098.16

3:1

410 174

1441 759

LA

228 — 2522

F.L. 1095.00

G-1101.69
Sta. 323+00
1100.8

Sta. 322+85 Lt.
Begin L-10 Sodding
Width 8'

Sta. 322+00 Rt.
Begin L-10 Sodding
Width 16'

368 236

1441 678

LA

226 — 2506

F.L. 1096.00

G-1103.09
Sta. 322+00
1101.3

Sta. 322+00 Rt.
End L-10 Sodding
Width 15'

410 130

1304 737

225 — Sta. 321+00

Sta. 321+00 294 268

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 322+00 TO STA. 325+00

FED. NO. DIVISION	STATE	PROJECT	
2	OHIO		

131

SUMMIT COUNTY
SUM-8-1.89

SEEDING

END WIDTH	SQ. YDS.

224 2500

LA

F.L. 1085.50

G-1093.30
Sta. 329+00
1088.1

LA

F.L. 1087.50

112 744

Sta. 328+00 Rt.
Begin L-10 Sodding
Width 18'

Sta. 328+00 Rt.
End L-10 Sodding
Width 12'

481 2993

226 2511

LA

3:1

F.L. 1086.00

G-1094.10
Sta. 328+00
1088.7

LA

F.L. 1088.50

148 872

493 3322

226 2511

LA

3:1

F.L. 1086.50

G-1096.10
Sta. 327+00
1089.6

LA

F.L. 1091.00

118 922

589 3137

Sta. 326+00 Lt.
End L-10 Sodding
Width 8'

226 2511

LA

2:1

F.L. 1087.00

G-1097.49
Sta. 326+00
1090.1

LA

F.L. 1094.00

200 772

Sta. 325+00 Rt.
Begin L-10 Sodding
Width 12'

885 2204

Sta. 325+00 278 418

226 Sta. 325+00

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80 CROSS SECTIONS - STA. 326+00 TO STA. 329+00

SEEDING

SUB WIDTH | SL | TOS

FED. RD. DIVISION | STATE | PROJECT

2 | OHIO |

132

SUMMIT COUNTY
SUM-8-1.89

219 | 2428

LA

F.L. 1082.00

G-1088.21
Sta. 333+00
1084.5

153'

LA

90 552

F.L. 1080.00

219 1678

218 | 2433

LA

F.L. 1084.00

Sta. 332+00 Lt.
Begin L-10 Sadding
Width 14'

G-1089.33
Sta. 332+00
1087.3

LA

28 354

F.L. 1083.00

163 1674

220 | 2444

LA

F.L. 1084.50

G-1090.56
Sta. 331+00
1087.0

LA

60 550

F.L. 1085.00

200 2245

220 | 2467

LA

F.L. 1085.00

G-1091.90
Sta. 330+00
1087.5

LA

48 662

F.L. 1086.50

296 2604

224

Sta. 329+00

Sta. 329+00 112 744

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 330+00 TO STA. 333+00

SEEDING	
ENV. WIDTH	SQ. YDS.

FED. RD. DIVISION	STATE	PROJECT		133
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

Sta. 337+00 Lt.
Begin L-10 Sodding
Width 10'

214 — LA — F.L. 1075.00

Sta. 337+00 Lt.
End L-10 Sodding
Width 14'

℄

G-1084.82
Sta. 337+00
1075.4

LA — 166' — LA — F.L. 1074.00

ENV. AREA		VOLUME	
CUT	FILL	CUT	FILL
76	1820		
		270	6500

2389

216 — LA — F.L. 1076.00

LA — 162' — LA — F.L. 1074.50

70	1690		
		185	6067

2422

G-1085.54
Sta. 336+00
1076.1

220 — LA — F.L. 1077.00

LA — 159' — LA — F.L. 1075.00

30	1586		
		189	4889

G-1086.32
Sta. 335+00
1077.3

2433

LA — 156' — LA

218 — LA — F.L. 1078.00

F.L. 1077.00

72	1054		
		300	2974

2428

G-1087.21
Sta. 334+00
1081.4

219 — Sta. 333+00

Scale: 1" = 10'

Sta. 333+00 — 90 — 552

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 334+00 TO STA. 337+00

SEEDING	
END WIDTH	SQ. YDS.

FED. HIG. DIVISION	STATE	PROJECT	
2	OHIO		

134

SUMMIT COUNTY
SUM-8-1.89

END AREA	VOLUME
CUT	FILL

℄

LA

198

F.L. 1079.00

2194

G-1081.94
Sta.341+00
1075.5

LA

62 994

119 3926

LA

197

F.L. 1079.00

160'

LA

2 1126

G-1082.66
Sta.340+00
1076.5

22 4174

2272

LA

212

F.L. 1078.00

167'

LA

10 1128

G-1083.38
Sta.339+00
1076.8

2372

Sta. 338+00 Lt.
End L-10 Sodding
Width 10'

Sta. 338+05 Rt.
End L-10 Sodding
Width 18'

70 4819

LA

215

F.L. 1077.00

169'

LA

28 1474

2383

G-1084.10
Sta.338+00
1076.8

193 6100

Sta 337+00 76 1820

214

Sta. 337+00

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 338+00 TO STA. 341+00

SEEDING	
EXC. WIDTH	SQ. YDS.

FED. ROAD DIVISION	STATE	PROJECT	
2	OHIO		

135

SUMMIT COUNTY
SUM-8-1.89

FED. AID PROJECT		SHEET NO.	
OFF.	FILE	NO.	TOTAL

℄

LA

Rt 150' Lt. Sta. 344+00

247

G-1079.78

LA
167'

F.L. 1077.50

Sta 344+00
1087.9

2700

2814 6

Rt

239

2:1

F.L. 1078.00

7459 422

Seeding Limit
168'

LA
151'

2606

G-1080.50
Sta. 343+00
1080.4

LA

Rt 150' Lt. Sta. 343+00

1154 222

LA
171'

Match Line 150'

Chenoweth Rd. Cul-De-Sac

R/W

2622 1856

230

3:1

F.L. 1078.8

LA

2378

262 780

Match Line 150'

G-1081.22
Sta. 342+00
1077.0

600 3285

198

Sta. 341+00

Scale: 1" = 10'

Sta. 341+00 62 994

140 120 100 80 60 40 20 20 40 60 80 CROSS SECTIONS - STA. 342+00 TO STA. 344+00

SEEDING
END WIDTH | SQ. YDS.

88 Ahead
266 Back

Sta. 347+00 Lt.
End L-10 Sodding
Width 5'

℄

LA

℄ 150' Lt. Sta. 347+00

Match Line 150' Lt.

Match Line Ramp A

3011

3.3:1

N.B. 1078.54
S.B. 1077.71
347 +00
1095.8

F.L. 1076.70

Match Line Ramp C

F.L. 1074.20

LA

℄ 150' Lt. Sta. 346+00

276

Match Line 150' Lt.

3078

3.5:1

N.B. 1078.77
S.B. 1078.34
346 +00
1100.6

F.L. 1077.00

F.L. 1075.50

278

Match Line 150' Lt.

Sta. 345+00 Lt.
Begin L-10 Sodding
Width 5'

Ramp C

3.5:1

LA

N.B. 1079.18
S.B. 1079.06
345 +00
1100.6

F.L. 1075.90

LA

2917

℄ 150' Lt. Sta. 345+00

247

Sta. 344+00

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS – STA. 345+00 TO STA. 347+00

Scale: 1" = 10'

FED. AID PROJECT	STATE	PROJECT	
2	OHIO		

136

SUMMIT COUNTY
SUM-8-1.89

LA
192'
(Less 4 & 6) Ahead Area 3000 0
(Full) Back Area 5908 0

24564 0

LA
194'
7356 0

26438 0

LA
183'
6920 0

18138 11

Sta. 344+00 2874 6

SUMMIT COUNTY
SUM-8-1.89

Sta. 351+85 Lt.
End L-10 Sodding
Width 5'

2:1

F.L. 1060.00

2:1

F.L. 1073.61

2:1

F.L. 1077.80

2:1

Sta. 351+75 Rt.
End L-10 Sodding
Width 4'

F.L. 1059.50

178 — 0 3154

1789

N.B. 1079.38
S.B. 1075.58
351 +00
1060.2

Sta. 350+15 Rt.
Begin L-10 Sodding
Width 4'

0 9796

2:1

F.L. 1065.00

2:1

F.L. 1073.86

2:1

F.L. 1077.40

2:1

Match Line
Ramp C

F.L. 1067.00

144 — 0 2136

N.B 1078.98
S.B. 1075.83
350 +00
1065.3

Sta. 349+05 Lt.
Begin L-10 Sodding
Width 5'

1433

185 4308

2:1

F.L. 1069.80

2:1

F.L. 1077.00

2:1

F.L. 1074.00

114 — 100 190

N.B. 1078.65
S.B. 1076.27
349 +00
1077.4

1156

2963 352

Ramp A

2.7:1

F.L. 1076.8

Match Line
Ramp C

94 — 1500 0 8334 0

1011

N.B. 1078.50
S.B. 1076.90
348 +00
1085.8

Sta. 347+00 Ah. 3000 0

88 Sta. 347+00

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA. 348+00 TO STA. 351+00

TECH. CORRECTION	STATE	PROJECT
2	OHIO	

SUMMIT COUNTY
SUM-8-1.89

Seeding Limit
156'

F.L. 1074.60

F.L. 1080.60

Match Line
Ramp C-C
Sta. 55+00

156

2222

N.B. 1080.98
S.B. 1076.34
355+00
1057.1

Ahead 0 6316
Back 0 4844

0 16850

2.4:1

F.L. 1074.20

F.L. 1079.20

Seeding Limit
218'

244

0 4255

Sta. 353+65 Lt.
End L-10 Sodding
Width 7'

N.B. 1080.58
S.B. 1075.94
354+00
1055.3

150' Rt. 353+00

3022

150' Lt. 353+00

F.L. 1054.50

F.L. 1054.50

78 16232

2:1

F.L. 1073.80

F.L. 1078.60

150' Rt.

300

F.L. 1054.50

42 4510

N.B. 1080.18
S.B. 1075.63
353+00
1055.4

2922

100 16334

2:1

4:1

F.L. 1073.40

F.L. 1078.20

140' Rt.

226

F.L. 1057.00

12 4310

N.B. 1079.78
S.B. 1075.51
352+00
1055.5

140' Rt. 352+00

2244

22 13823

Sta. 351+85 Lt.
Begin L-10 Sodding
Width 7'

F.L. 1053.70

Sta. 351+00 0 3154

178

Sta. 351+00

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

CROSS SECTIONS - STA 352+00 TO STA 355+00

FED. HWY. DIVISION	STATE	PROJECT		139
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

SEEDING		END AREA	VOLUME
CUT (SQ. YDS.)	FILL (SQ. YDS.)	CUT	FILL
0		End Earthwork Sta. 358+00	0 0
	833		
150		℄ 150'Rt. 357+00	
		F.L. 1056.4	0 2852
	1922		
196		Seeding Limits	0 1540
		Seeding Limit	
		N.B. 1081.78 S.B. 1077.14 357+00 1057.1	
	2756	Seeding Limit	0 9652
		Top of Dike	
		Seeding Limit	
		2:1 Slope (Normal)	
300		℄	
		N.B. 1081.38 S.B. 1076.74 356+00 1056.8	0 3672
	2533	℄ 150'Rt. 356+00	
		F.L. 1055.9	0 18496
		Sta. 355+00	0 4844
156		Sta. 355+00	

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80 CROSS SECTIONS - STA. 356+00 TO STA. 357+00

SUMMIT COUNTY
SUM-8-1.89

140

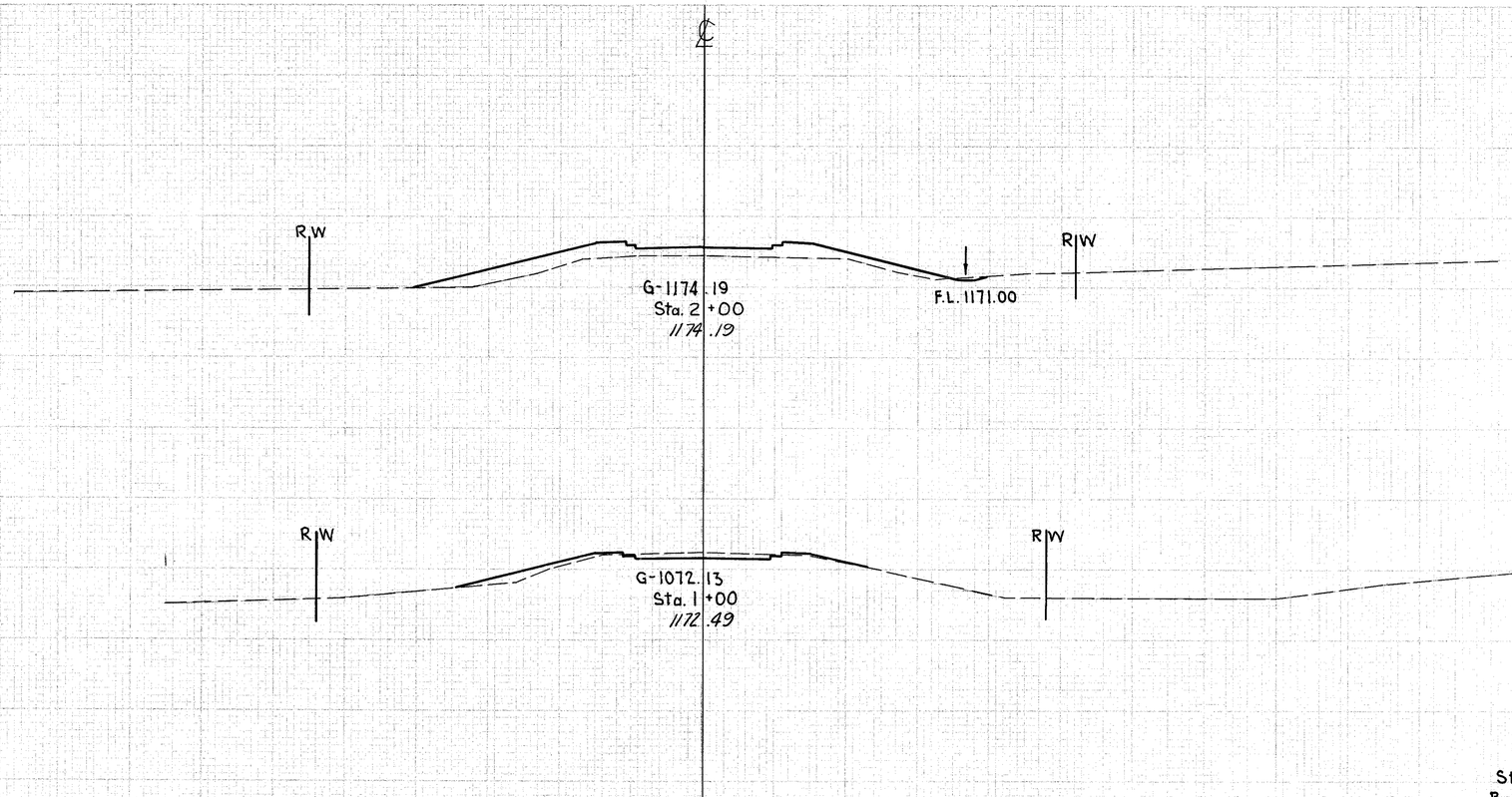
70

711

58

483

58



2 120

33 256

16 18

45 25

16 0

Sta. 0+25
Begin Seeding

Sta. 0+25
Begin Earthwork

Scale: 1" = 10'

140 120 100 80 60 40 20 | 20 40 60 80

WISE ROAD
CROSS SECTIONS STA 1+00 TO STA 2+00

SEEDING

FILE WIDTH	CUT TOTAL
97	16 412
1044	93 1393
91	34 340
894	93 1089
70	16 248
778	37 885
70	4 230
778	11 648
70	Sta. 2+00 2 120

RW

FL: 1189.67

G-1196.65
Sta. 6+00
1188.1

Sta. 5+30-Rt.
End L-10 Sodding
Width = 5.0'

RW

FL: 1186.00

G-1191.65
Sta. 5+00
1189.3

RW

FL: 1181.00

G-1186.65
Sta. 4+00
1181.2

Drive Right

Sta. 3+10-Rt
Begin L-10 Sodding
Width = 5.0'

RW

FL: 1176.00

G-1181.65
Sta. 3+00
1177.4

Scale: 1" = 10'

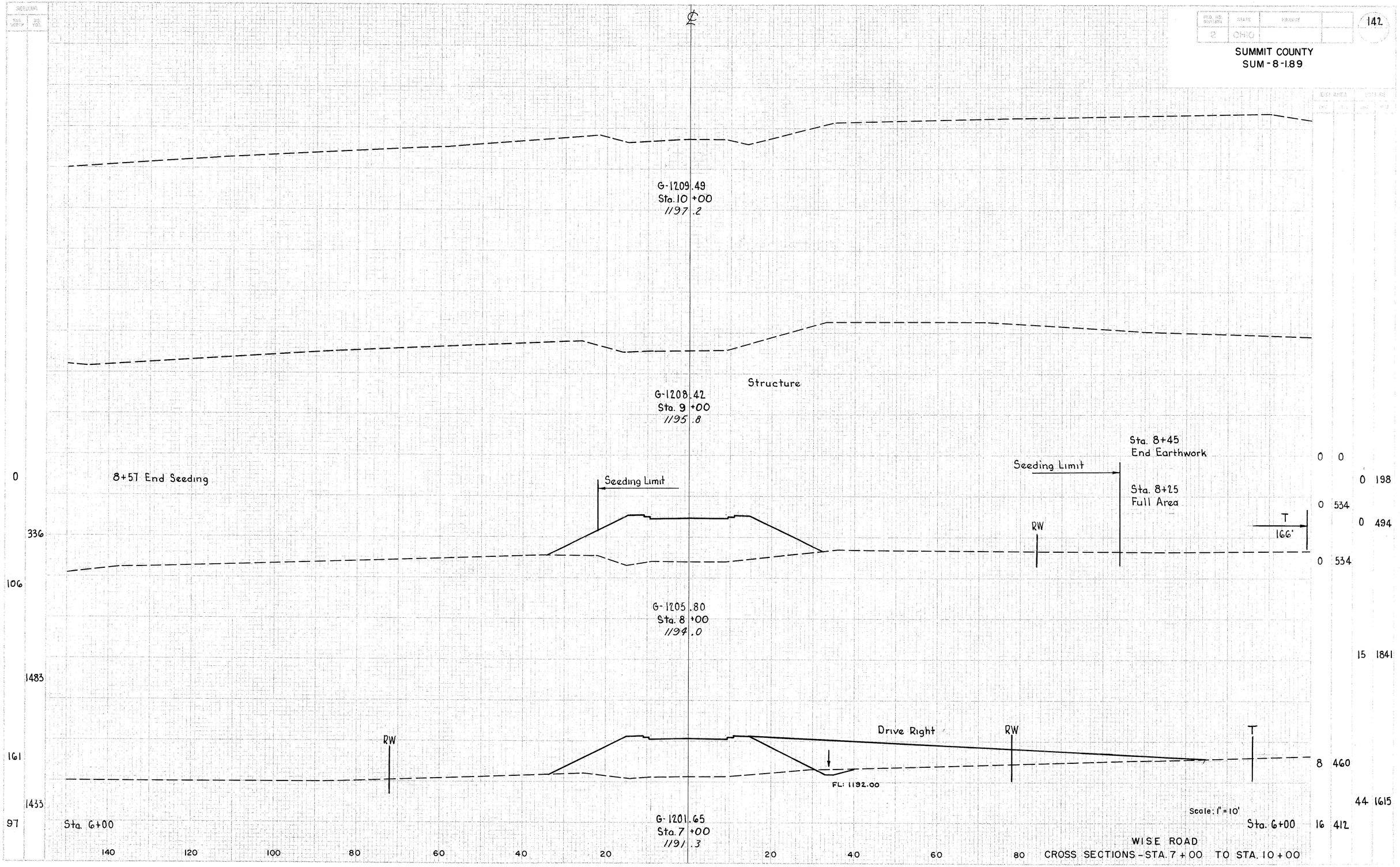
140 120 100 80 60 40 20 20 40 60 80

WISE ROAD
CROSS SECTIONS - STA. 3+00 TO STA. 6+00

PROJECT	STATE	PROJECT	
2	OHIO		

142

SUMMIT COUNTY
SUM-8-1.89



SEEDING

END STATION	LB. PER 1000 SQ. FT.
70	
944	
100	
1389	
RW 163'	
150	

SEE SHT. NO. 2 | STATE: OHIO | PROJECT: | 143

SUMMIT COUNTY
SUM-8-1.89

EARTHWORK CUT	EARTHWORK FILL	TOP SOIL CUT	TOP SOIL FILL
		10	142
		19	952
		0	372
		0	1589
		0	486
			0 450
		0	486
			0 180
		0	0

℄

RW

RW

G-1198.65
Sta. 14+00
1194.4

Profile Drive Rt.

RW

RW

G-1203.49
Sta. 13+00
1195.7

Seeding Limit

Fill For Drainage

Sta. 12+00
Begin Seeding

G-1207.03
Sta. 12+00
1196.9

Sta. 11+75
Full Area

Sta. 11+55
Begin Earthwork

Structure

G-1209.03
Sta. 11+00
1197.2

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

WISE ROAD
CROSS SECTIONS - STA. 11+00 TO STA. 14+00

SEEDING
SEED WIDTH | SEED VOL.

FED. RD. OR CONTROL	STATE	PROJECT	
2	OHIO		

144

SUMMIT COUNTY
SUM-8-1.89

SOIL AREA: CUT | FILL
VOLUME: CUT | FILL

Sta. 18+00
1183.1

Sta. 17+00
End Earthwork

Sta. 17+00
End Seeding

RW

RW

14 2

G-1185.69
Sta. 17+00
1185.4

104 22

RW

RW

42 10

G-1189.16
Sta. 16+00
1188.5

130 133

RW

RW

28 62

G-1193.65
Sta. 15+00
1191.5

70 378

Scale: 1" = 10'

Sta. 14+00

Sta. 14+00 10 142

WISE ROAD
CROSS SECTIONS - STA. 15+00 TO STA. 18+00

36
522
58
656
60
722
70

140 120 100 80 60 40 20 20 40 60 80

SHEDDING

SIDE WIDTH	SIDE YDS.
30	
167	
30	

SHEET NO.	STATE	PROJECT		145
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

CUT	FILL
18	2
	33 2
18	0

R/W

R/W

G=1178.65
Sta. 2+00
1178.6

Profile Drive Rt.

Sta. 1+50
Begin Seeding

Sta. 1+50
Begin Earthwork

Sta. 1+01.75
1182.2

Sta. 0+00
1189.1

Scale: 1"=10'

140 120 100 80 60 40 20 ℄ 20 40 60 80

GRAYBILL ROAD
CROSS SECTIONS - STA. 0+00 TO STA 2+00

SEEDING

END WIDTH	SQ. YDS.
66	739
67	683
56	539
41	394
30	

End L-10 Sodding-Rt.
Sta. 6 + 50
Width 4.0'

Begin L-10 Sodding-Rt.
Sta. 6 + 00

R | W

F.L. 1175.0

Profile Drive Rt.

G-1180.04
Sta. 6 +00
1175.9

F.L. 1174.00

G-1177.69
Sta. 5 +00
1175.3

F.L. 1173.5

End Ditch Sta. 3 + 76

G-1176.58
Sta. 4 +00
1176.0

G-1176.90
Sta. 3 +00
1175.4

END AREA		VOLUME	
CUT	FILL	CUT	FILL
6	162		
		22	507
6	112		
		56	237
24	16		
		56	78
6	26		
		44	52
Sta. 2 + 00		18	2

140 120 100 80 60 40 20 20 40 60 80

Scale: 1" = 10'

GRAYBILL ROAD
CROSS SECTIONS - STA. 3 + 00 TO STA. 6 + 00

SEEDING	
EXIST. WIDTH	PROP. DIST.

REF. NO. DIVISION	STATE	PROJECT	
2	OHIO		

147

SUMMIT COUNTY
SUM-8-1.89

CROSS AREA	
CUT	FILL

℄

G-1185.96
Sta. 10+00
1175.6

Structure

G-1185.76
Sta. 9+00
1176.5

Sta. 8+70
End Earthwork

0 0

0 74

Sta. 8+55
Full Area

0 268

Sta. 8+45
End Seeding

Begin Ditch Sta. 8+30

18 546

81 405 81

R/W R/W

F.L. 1179.0

18 268

G-1184.63
Sta. 8+00
1178.2

44 837

772

R/W R/W

58 689

F.L. 1177.2

6 184

G-1182.57
Sta. 7+00
1177.9

22 641

66

Scale: 1" = 10'

Sta. 6+00

Sta. 6+00

6 162

140 120 100 80 60 40 20 20 40 60 80

GRAYBILL ROAD
CROSS SECTIONS - STA. 7+00 TO STA. 10+00

FED. AID DIVISION	STATE	PROJECT		148
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

SEEDING
LBS/1000 SQ FT | SQ YDS

	MAIN CHECK		INCHES	
	CUT	FILL	CUT	FILL
Sta. 14+00	6	754		26 2693
Sta. 13+00	8	700		115 2126
Sta. 12+00	54	448		55 913
Sta. 11+65 Begin Seeding	0	448		0 124
Sta. 11+45 Full Area				
Sta. 11+30 Begin Earthwork	0	0		

Sta. 14+00
G-1178.28
1166.4
R|W
R|W
F.L. 1167.50

Sta. 13+00
G-1181.25
1168.4
R|W
R|W
F.L. 1172.50

Sta. 12+00
G-1183.75
1172.0
R|W
R|W
F.L. 1178.00

Sta. 11+70 Rt.
Begin L-10 Sodding
Width 4.0'

Begin Ditch Sta. 11+70

Structure

Sta. 11+00
G-1185.32
1175.3

Scale: 1" = 10'

GRAYBILL ROAD
CROSS SECTIONS – STA. 11+00 TO STA. 14+00

SEEDING	
ROAD WIDTH	SQ. YDS.
38	211
38	
706	
89	1094
108	1217
111	

Sta. 18+00
1165.5

Sta. 17+50
End Seeding

Sta. 17+50
End Earthwork

R|W

R|W

G-1169.37
Sta. 17+00
1168.7

R|W

Drive Lt.

F.L. 1163.00

R|W

G-1172.34
Sta. 16+00
1166.6

Sta. 15+50 Rt.
End L-10 Sodding
Width 4.0'

R|W

Drive Rt.

F.L. 1164.20

R|W

G-1175.31
Sta. 15+00
1165.4

Sta. 14+00

END AREA		VOLUME	
CUT	FILL	CUT	FILL
18	0		
		22	13
6	14		
		30	711
10	370		
		48	1804
16	604		
		41	2515
6	754		

Scale: 1" = 10'

140 120 100 80 60 40 20 20 40 60 80

GRAYBILL ROAD
CROSS SECTIONS - STA. 15+00 TO STA. 18+00

SEEDING
DIS WIDTH | DI WIDE

STATE	PROJECT
OHIO	

150

SUMMIT COUNTY
SUM - 8 - 1.89

DIS WIDTH | VOLUME
CUT | FILL | CUT | FILL

46

422

30

167

30

R|W

F.L. 1174.0

G-1175 .22
Sta. 9 +00
1175 .2 ℄ Rd.

R|W

F.L. 1174.14

Drive Rt. Thorn Rd.

78 0

237 0

R|W

R|W

F.L. 1172.52 Profile Drive Rt.

50 4

℄ G-1173 .52
Sta. 8 +00
1173 .5 ℄ Rd.

87 4

Sta. 7+50
Begin Seeding

Sta. 7+50
Begin Earthwork

44 0

1st Fl. Elev. House
1175.5

Sta. 7 +00
1172 .6 ℄ Rd.

Scale: 1" = 10'

140 120 100 80 60 40 20 ℄ 20 40 60 80

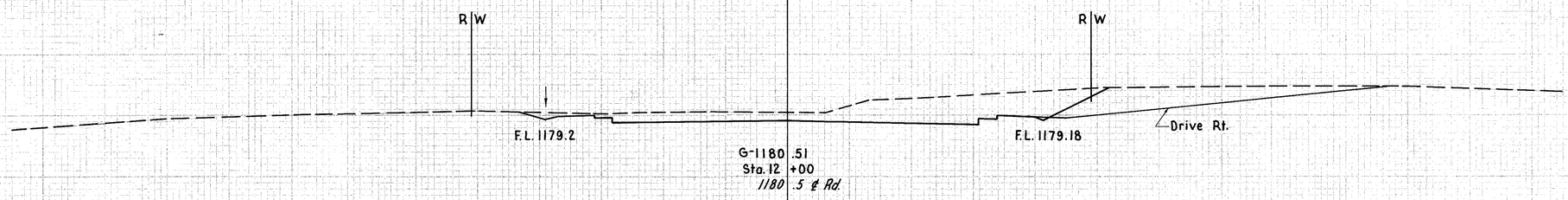
MASSILLON ROAD
CROSS SECTIONS STA. 7+00 TO STA. 9+00

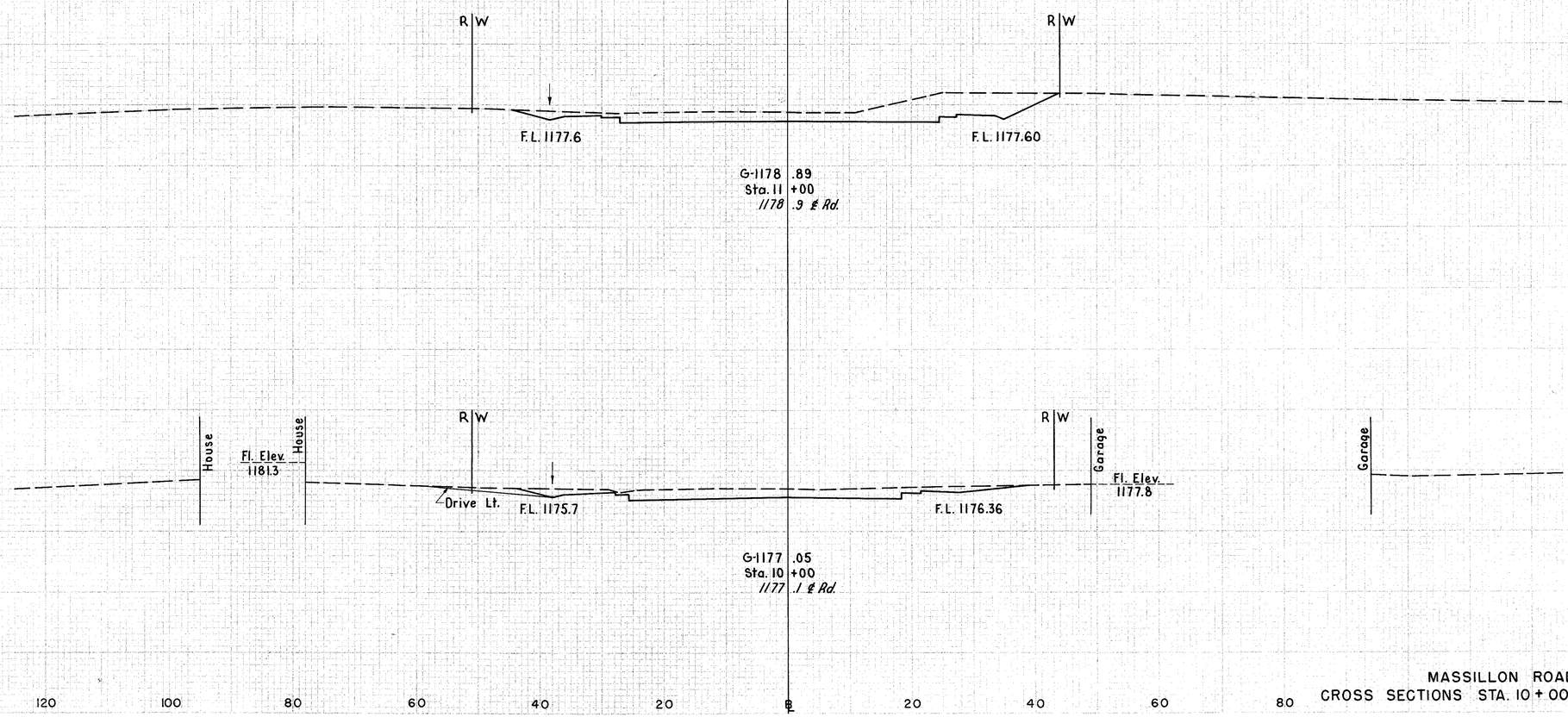
SUMMIT COUNTY
SUM - 8 - 1.89

151

SIDEDITCHES

SIDE WIDTH	SIDE YDS
38	433
40	467
44	500
46	





VOLUMES			
CUT	FILL	CUT	FILL
222	0		
		756	0
186	0		
		552	0
112	0		
		352	0
78	0		

Scale: 1" = 10'

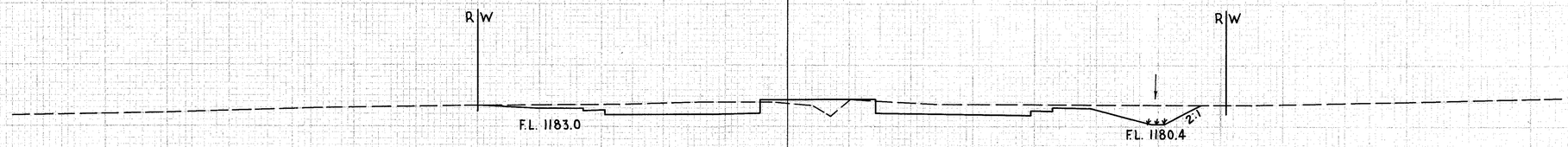
Sta. 9+00

140 120 100 80 60 40 20 ℄ 20 40 60 80

Sta. 9+00

MASSILLON ROAD
CROSS SECTIONS STA. 10 + 00 TO STA. 12 + 00

SUMMIT COUNTY
SUM - 8 - 1.89

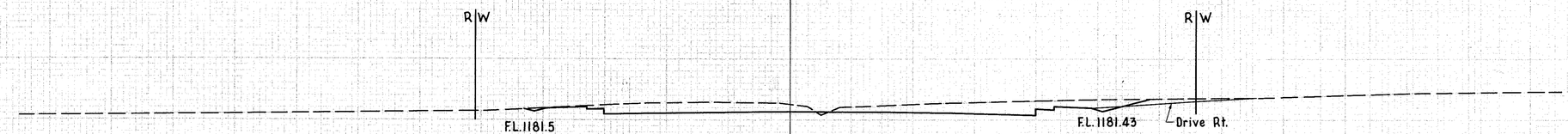


G-1183 .72
Sta. 15 +00
1184 .0 ℄ Rd.

144 16

493 30

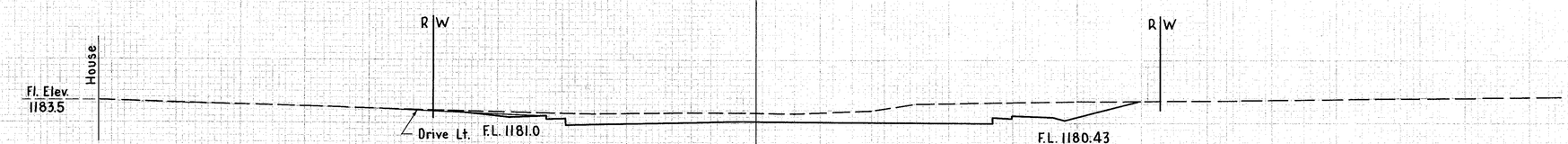
Sta. 14+80 - Rt.
Begin L-10 Sodding
Width 12.0'



G-1182 .72
Sta. 14 +00
1182 .8 ℄ Rd.

122 0

578 0



G-1181 .72
Sta. 13 +00
1181 .7 ℄ Rd.

190 0

763 0

Scale: 1" = 10'

Sta. 12+00

Sta. 12+00

222 0

62 567 40 439 39 428 38

140 120 100 80 60 40 20 ℄ 20 40 60 80

MASSILLON ROAD
CROSS SECTIONS STA. 13+00 TO STA. 15+00

SEEDING	
TONS	SQ. YDS.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

153

SUMMIT COUNTY
SUM - 8 - 1.89

SOD AREA	
SQ. YDS.	
134	12
707	22
504	26
767	56

40

617

Sta. 17+65 - Lt.
End L-10 Sodding
Width 4.0'

Match Line Main

F.L. 1184.3

G-1186 .72
Sta. 18 +00
1187 .2 ℄ Rd.

Match Line Main

Sta. 17+92 - Rt.
End L-10 Sodding
Width 6.0'

71 Ahead
0 Back

Sta. 17+45 - Lt.
Begin L-10 Sodding
Width 4.0'

Match Line Ramp K

Match Line Ramp K

Back Area
Ahead Area

F.L. 1181.5

Match Line Main

Ahead 248 0
Back 126 0

189

G-1185 .72
Sta. 17 +00
1186 .0 ℄ Rd.

Sta. 17+00 - Rt.
Begin L-10 Sodding
Width 6.0'

34 Ahead
68 Back

Service Station

R W

Sandy Knoll - Lt.

Match Line Ramp J

R W

Sta. 16+18 - Rt.
End L-10 Sodding
Width 12.0'

Ahead 146 14
Back 270 14

722

Ahead Area
Back Area

F.L. 1180.9

G-1184 .72
Sta. 16 +00
1185 .0 ℄ Rd.

Scale: 1" = 10'

62 Sta. 15+00

Sta. 15+00 144 16

140 120 100 80 60 40 20 ℄ 20 40 60 80

MASSILLON ROAD
CROSS SECTIONS STA. 16+00 TO STA. 18+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

154

SUMMIT COUNTY
SUM - 8 - 1.89

SEEDING		END AREA		VOLUME	
SLO WIDTH	SL. YDS.	CUT	FILL	CUT	FILL
85		560	0		
	883			1804	0
74		414	0		
	678			1333	0
48		306	0		
	567			919	0
54		190	0		
	522			600	22
40		134	12		

Sta. 21+90
Begin L-10 Sodding
Width 8.0'

G-1195 .82
Sta. 22 +00
1198 .6 ℄ Rd

F.L. 1193.4

F.L. 1193.5

Sta. 20+90 Lt.
End Sodding
Width 5.0'

G-1193 .12
Sta. 21 +00
1195 .3 ℄ Rd

F.L. 1190.8

Sta. 20+60
Begin L-10 Sodding
Width 5.0'

G-1190 .42
Sta. 20 +00
1192 .1 ℄ Rd

F.L. 1185.86

Sta. 18+00

G-1188 .15
Sta. 19 +00
1189 .4 ℄ Rd

Sta. 18+00

Scale: 1" = 10'

MASSILLON ROAD
CROSS SECTIONS STA. 19 + 00 TO STA. 22+00

FED. RD. DIVISION	STATE	PROJECT		155
2	OHIO			

SUMMIT COUNTY
SUM - 8 - 1.89

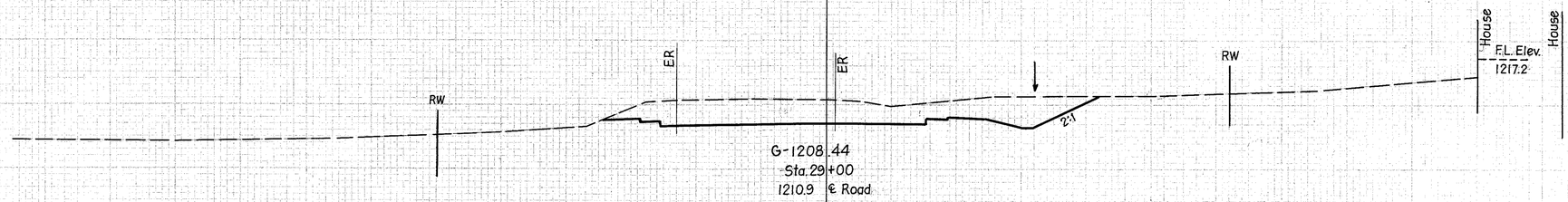
SEEDING END WIDTH	SEEDING % SLOPE		EARTH AREA CUT	EARTH AREA FILL	EARTH VOLUME CUT	EARTH VOLUME FILL
80		Sta. 26+45 End L-10 Sodding Width 4.0'				
		R W				
		Sta. 26+33 End L-10 Sodding Width 4.0'				
		R W				
		Drive Rt.				
		G-1205 .88 Sta. 26 +00 1211 .0 ℄ Rd.				
861			724	0		
					2485	0
75	Ahead					
43	Back					
		Match Line / Main Line				
		F.L. 1199.2				
		Back Area / Ahead Area				
		G-1203 .84 Sta. 25 +00 1207 .6 ℄ Rd.				
		F.L. 1201.5				
		R W				
		Sta. 24+33 Begin L-10 Sodding Width 6.0'				
			Ahead 618	0		
			Back 466	0		
778					2682	0
		Sta. 24+85 -Lt. Begin L-10 Sodding Width 4.0'				
		Sta. 24+05 End Sodding				
97	Ahead					
49	Back					
		Match Line / Main Line				
		F.L. 1197.45				
		Ahead Area / Back Area				
		G-1201 .22 Sta. 24 +00 1204 .9 ℄ Rd.				
		Back Area / Ahead Area				
		Match Line / Main Line				
478					1989	0
			Ahead 982	0		
			Back 608	0		
37	Ahead					
77	Back					
		Match Line / Main Line				
		F.L. 1196.3				
		House				
		House				
		4:1				
		F.L. 1196.1				
		Match Line / Main Line				
		Ahead Area / Back Area				
		G-1198 .52 Sta. 23 +00 1201 .8 ℄ Rd.				
900			Ahead 466	0		
			Back 628	0		
					2200	0
85		Sta. 22+00	Sta. 22+00	560	0	

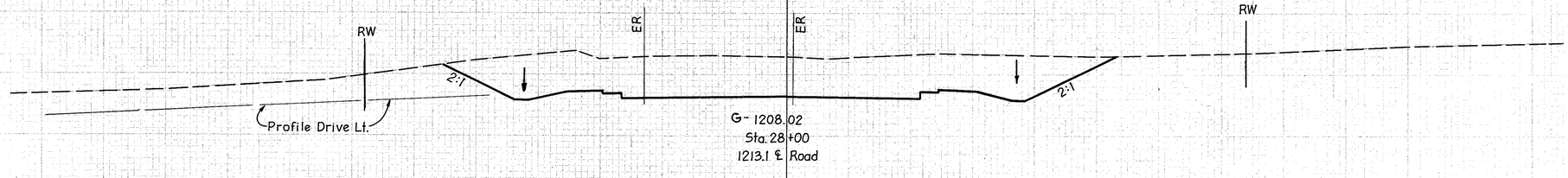
Scale: 1" = 10'

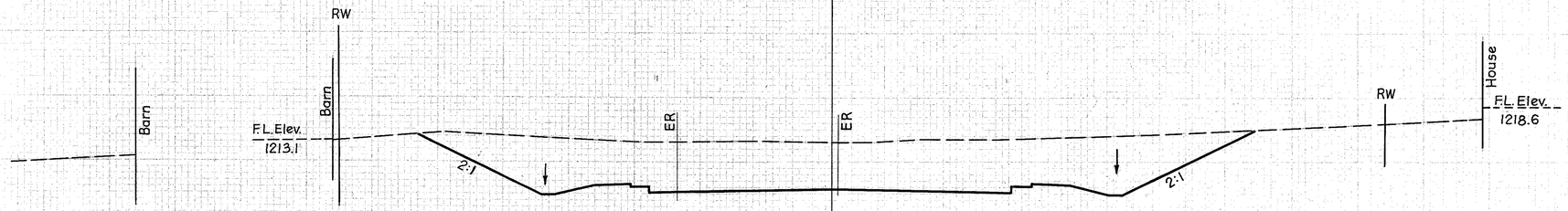
140 120 100 80 60 40 20 ℄ 20 40 60 80

MASSILLON ROAD
CROSS SECTIONS STA. 23+00 TO STA. 26+00

SUMMIT COUNTY
SUM - 8 - 1.89







Scale: 1" = 10'

MASSILLON ROAD
CROSS SECTIONS STA. 27+00 TO STA. 29+00

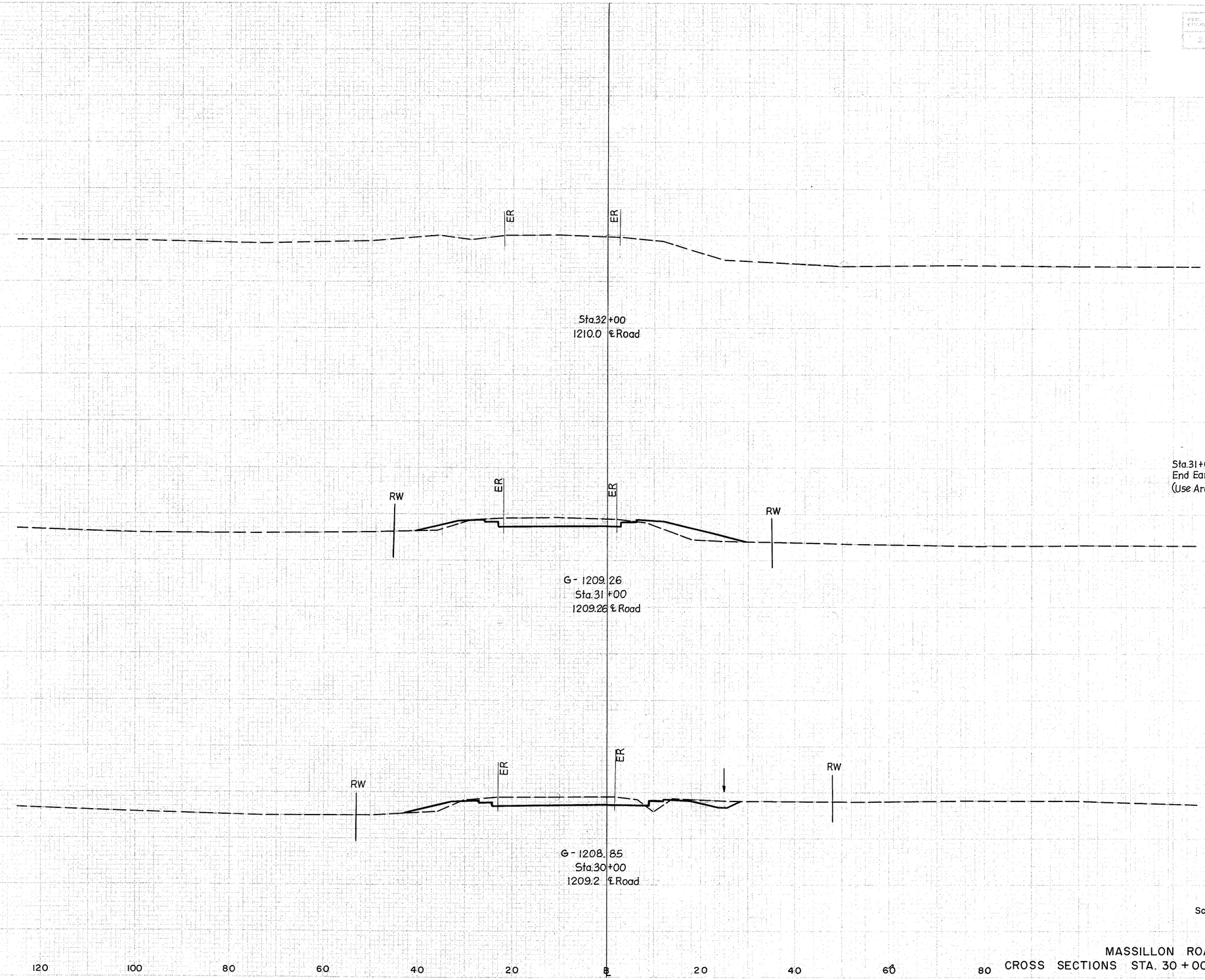
SPECIFIC

CYD	SQ. YDS.

PID NO.	STATE	SHEET		
2	OHIO			

157

SUMMIT COUNTY
SUM - 8 - 1.89



48 5 — 44 40

567 — 230 104

54 — 80 16

578 — 637 30

50 — Sta.29+00 — 264 0

2 1

Scale: 1" = 10'

MASSILLON ROAD
CROSS SECTIONS STA. 30 + 00 TO STA. 32 + 00

SEEDING	
EXP. WIDTH	SQ YDS.
78	
	468
78	
	833
72	
	794
71	
	772
68	

Sta. 10+54
End Seeding

End L-10 Sodding
Sta. 10+35 Lt.
Width 4.0'

End Sodding Rt.
Sta. 10+55
Width 4.0'

Sta. 10+58
End Earthwork

G-1185.32
Sta. 10+00
1186.9

L-10 Sodding
Begin Sodding Sta. 8+65 Lt.
Width 4.0'

L-10 Sodding
Begin Sodding Rt. Sta. 8+95
Width 4.0'

G-1186.95
Sta. 9+00
1188.2

G-1189.65
Sta. 8+00
1185.5

Sta. 7+00
Begin Earthwork
(Full Area)

F.L. 1183.0

G-1191.61
Sta. 7+00
1183.7

Sta. 7+00
Begin Seeding

END AREA		VOLUMES	
CUT	FILL	CUT	FILL
100	0		
		314	0
192	0		
		593	0
128	0		
		237	315
0	170		
		15	989
8	364		

SHT. NO.	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM - 8 - 1.89

Scale: 1" = 10'

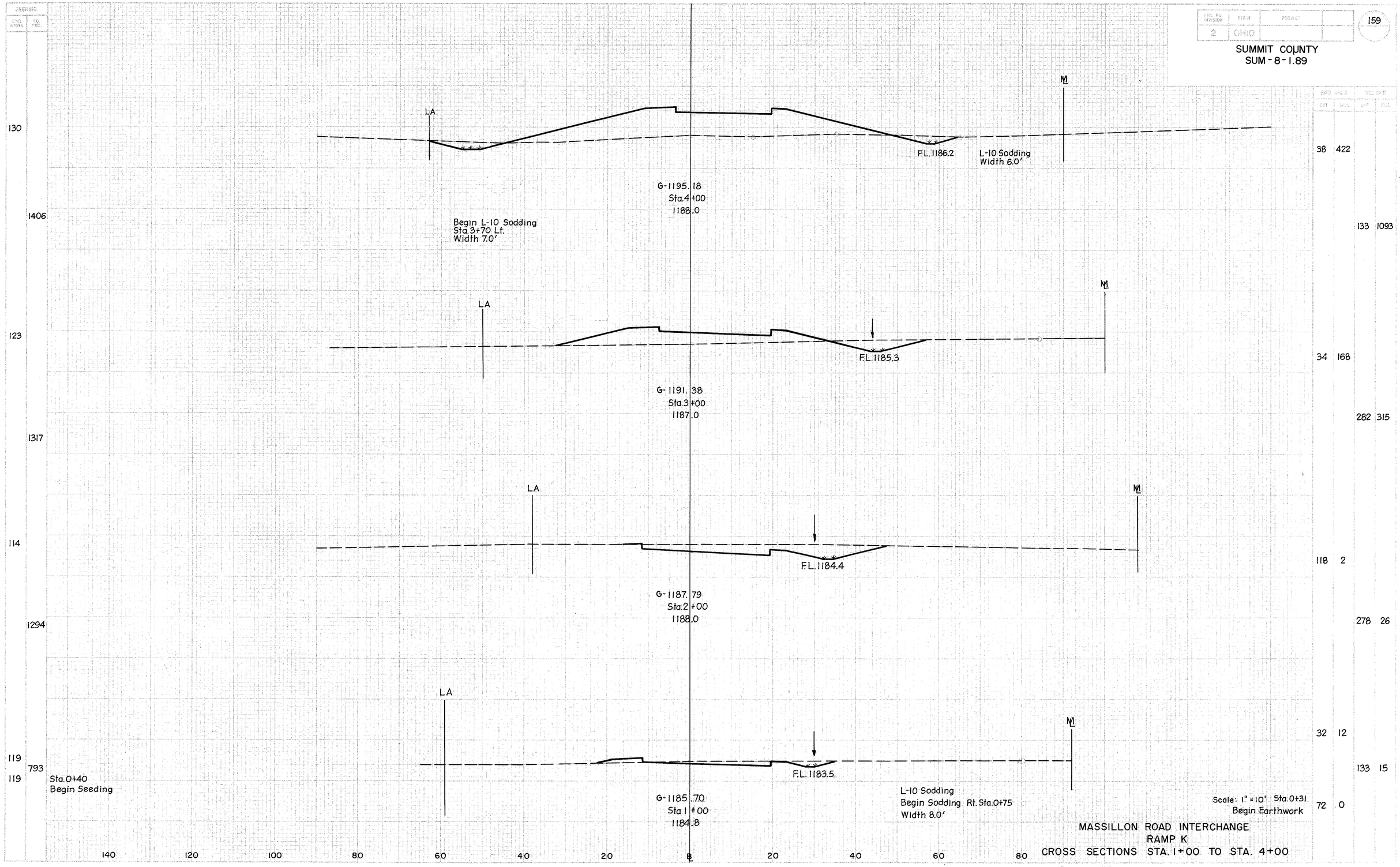
MASSILLON ROAD INTERCHANGE
RAMP J
CROSS SECTIONS STA. 7+00 TO STA. 10+00

140 120 100 80 60 40 20 ℄ 20 40 60 80

FED. ROAD DIVISION	STATE	PROJECT	
2	OHIO		

159

SUMMIT COUNTY
SUM-8-1.89



END AREA		VOLUME	
CUT	FILL	CUT	FILL
38	422		
		133	1093
34	168		
		282	315
118	2		
		278	26
32	12		
		133	15
72	0		

MASSILLON ROAD INTERCHANGE
RAMP K
CROSS SECTIONS STA. 1+00 TO STA. 4+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

160

SUMMIT COUNTY
SUM-8-1.89

SEEDING AREA WIDTH	SEEDING AREA SQ. YDS.
66	
	330
66	
	833
84	
	1022
100	
	1211
118	
	1378
130	

Sta. 8+45
End Seeding

LA

3:1

FL: 1203.0

ML

Var.

FL. 1205.2

G- 1207.60
Sta. 8+00
1205.3

Sta. 8+45
End Earthwork
(See Sta. 247+00)

LA

End Sodding Lt.
Sta. 7+50
Width 7.0'

FL: 1198.5

4:1

ML

End Sodding Rt.
Sta. 7+10
Width 4.0'

Var.

F.L. 1200.0

G- 1205.58
Sta. 7+00
1199.5

LA

FL: 1194.0

4:1

Do Not Area
See ML X-Section

Var.

F.L. 1192.5

Sodding Width 4.0'

G- 1202.67
Sta. 6+00
1194.5

LA

FL: 1190.0

4:1

ML

F.L. 1188.5

G-1198.98
Sta. 5+00
1190.3

Sta. 4+00

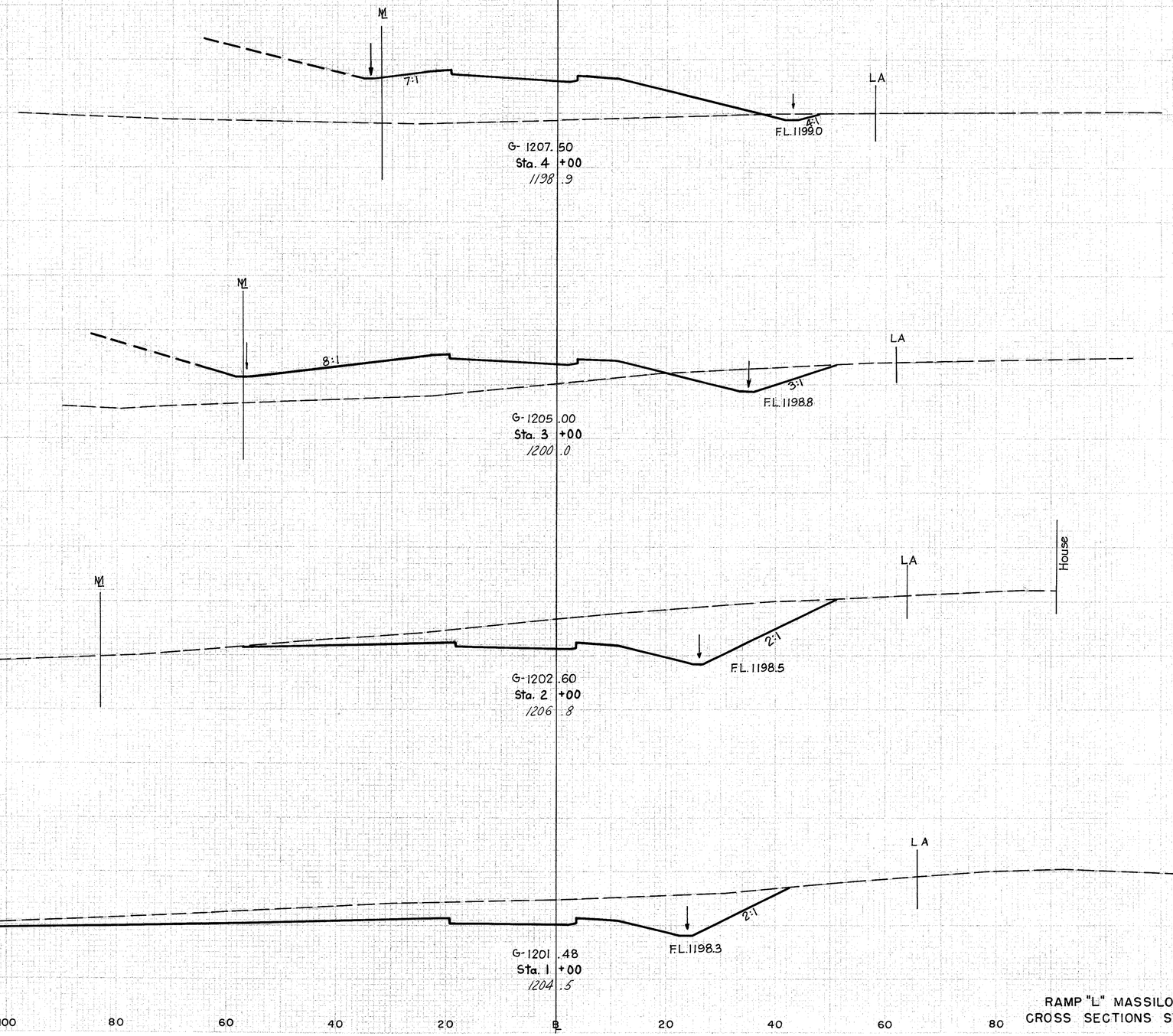
Scale: 1" = 10'

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
36	186		
		92	250
74	114		
		189	867
28	354		
		85	1663
18	544		
		93	2059
32	568		
		130	1833
38	422		

140 120 100 80 60 40 20 0 20 40 60 80

MASSILLON ROAD INTERCHANGE
RAMP K
CROSS SECTIONS STA. 5+00 TO STA. 8+00

SUMMIT COUNTY
SUM - 8 - 1.89



61	Sta. 4+35 End Seeding			
449			Sta. 4+35 End Earthwork (See ML Sta. 248+00)	0 474
				4 617
67				6 478
917				
				152 1626
98				
				76 400
1239				
				978 741
125				
				452 0
				1696 0
1550				
154				464 0
				859 0
975			Begin Earthwork Sta. 0+43	350 0
154	Sta. 0+43 Begin Seeding			

140 120 100 80 60 40 20 ℄ 20 40 60 80

Scale: 1" = 10'

RAMP "L" MASSILON ROAD INTERCHANGE
CROSS SECTIONS STA. 1+00 TO STA. 4+00

SECTIONS

EARTHWORK AREA	EARTHWORK YDS
93	8 1092
939	15 3970
76	0 1052
883	0 4041
83	0 1130

LA

F.L. 1187.00

L-10 Sodding
Begin Sodding Sta. 8+00
Width 6.0'

G-1203.62
Sta. 8 +00
1188.5

G-1203.55
Sta. 7 +00
1187.4

Match Line
Main Line

G-1202.61
Sta. 6 +00
1184.4

Sta. 6+00
Begin Seeding

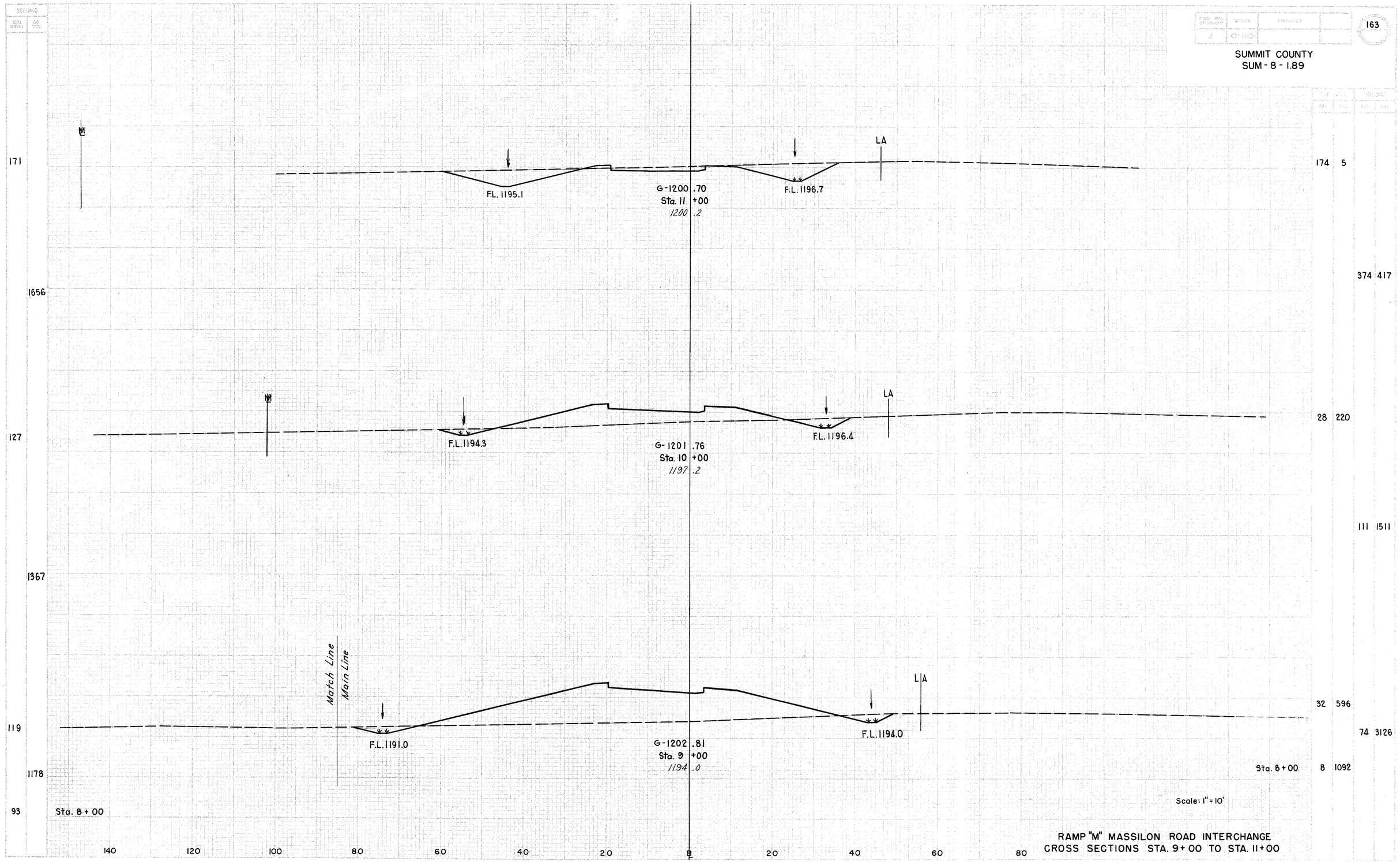
Begin Earthwork
Sta. 6+00

Scale: 1" = 10'

140 120 100 80 60 40 20 0 20 40 60 80

RAMP "M" MASSILON ROAD INTERCHANGE
CROSS SECTIONS STA. 6+00 TO STA. 8+00

SUMMIT COUNTY
SUM - 8 - 1.89



RAMP "M" MASSILON ROAD INTERCHANGE
CROSS SECTIONS STA. 9+00 TO STA. 11+00

SUMMIT COUNTY
SUM - 8 - 1.89

SEEDING
SQ. FT. | SQ. YDS.

113
1256

Sta. 14+00
End Seeding

LA

Do Not Use this Area

G-1200 .59
Sta. 14 +00
1205 .6

FL 1198.6

End Earthwork
Sta. 14+00

400 0

1911 0

113

M

LA

F.L.1195.7

G-1199 .35
Sta. 13 +00
1205 .8

F.L.1197.4

632 0

2033 0

1372

End L-10 Sodding
Sta. 12 + 20
Width = 6.0'

134
1694

M

LA

F.L.1195.4

G-1199 .65
Sta. 12 +00
1203 .4

F.L.1197.0

466 0

1185 9

Sta. 11+00

174 5

171

Sta. 11+00

Scale: 1" = 10'

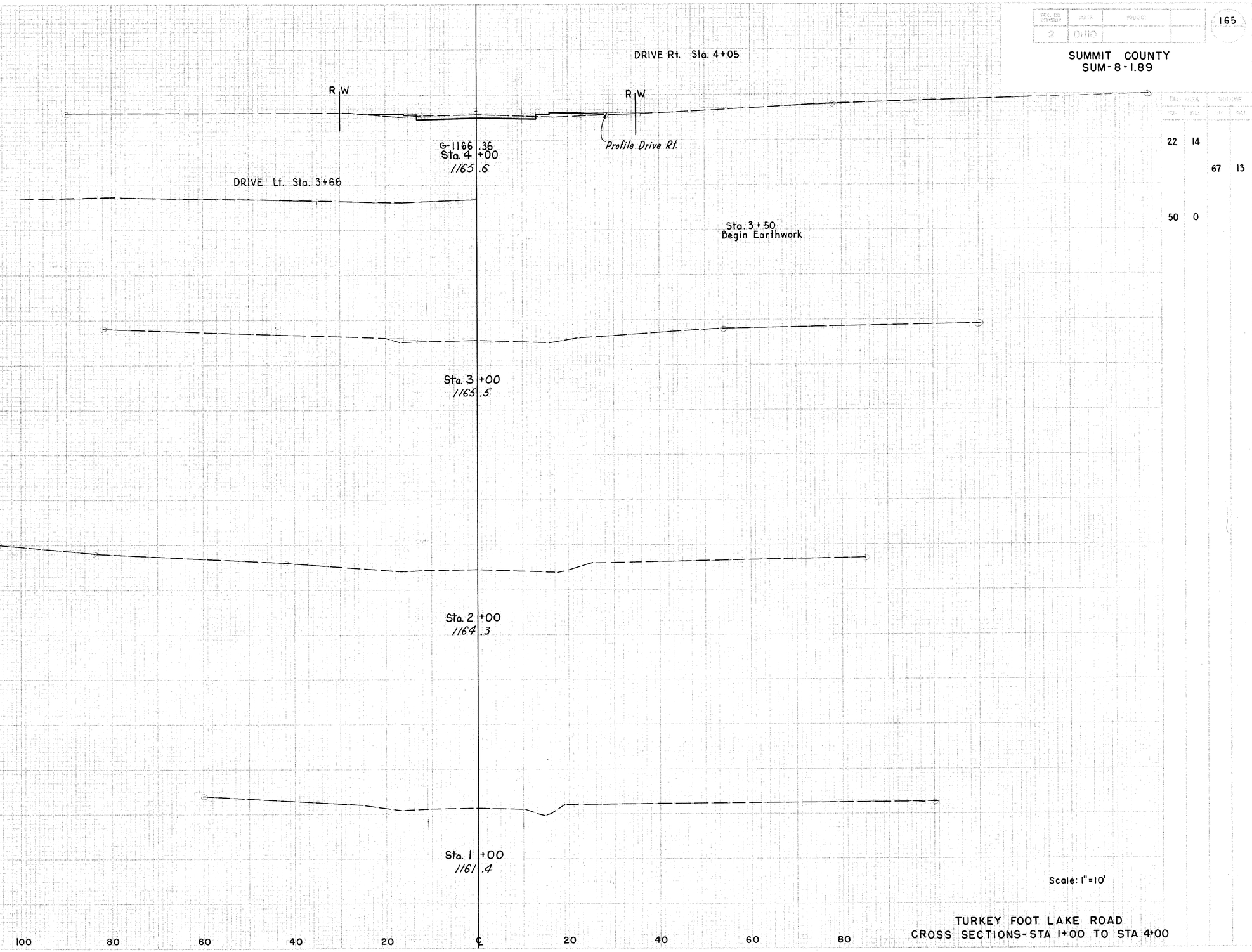
140 120 100 80 60 40 20 0 20 40 60 80

RAMP "M" MASSILON ROAD INTERCHANGE
CROSS SECTIONS STA. 12 + 00 TO STA. 14 + 00

REGION	STATE	PROJECT		165
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

SEEDING		END AREA		TAPER LINE	
END WIDTH	LB. PER 1000 SQ. YDS.	CUT	FILL	CUT	FILL
33	183				
		22	14		
				67	13
33					
		50	0		



Scale: 1"=10'

TURKEY FOOT LAKE ROAD
CROSS SECTIONS-STA 1+00 TO STA 4+00

FED. ROAD DIVISION	STATE	PROJECT		166
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

SEEDING	
FILE WIDTH	SQ. YDS.
58	
1161	
151	
1800	
173	
1200	
43	
422	
33	

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
		0	136
0	320		
		0	433
0	368		
		0	900
0	368		
		0	1122
0	238		
		26	633
		14	104
		67	219
22	14		

Sta. 8+00
End Seeding

End Earthwork
Sta. 8+23
Area 0

℄ Access Rd.
Sta. 2+71
G-1158.84
C=26, F=44
C.Y. Exc. 156, C.Y. Emb. 85

Access Rd. Cont'd. on Mainline Sections
Sta. 291+00 to Sta. 293+00
See Sheet No. 122 & 123

R/W

G-1163.64
Sta. 8+00
1153.0

℄ Access Rd.
Sta. 1+71
G-1161.34
C=58, F=2
C.Y. Exc. 117, C.Y. Emb. 198

Sta. 7+66
Use area Sta. 7+00

T

R/W

Profile Drive Lt. 6.5%±

LA

G-1164.32
Sta. 7+00
1156.3

LA
189'

Seeding Limit

℄ Access Rd.
Sta. 0+66
G-1163.97
C=2
F=100

T

R/W

G-1165.00
Sta. 6+00
1160.1

R/W

R/W

G-1165.68
Sta. 5+00
1162.8

Scale: 1"=10'

Sta. 4+00

Sta. 4+00

140 120 100 80 60 40 20 ℄ 20 40 60 80

TURKEY FOOT LAKE ROAD
CROSS SECTIONS STA 5+00 TO STA 8+00

SUMMIT COUNTY
SUM-8-1.89

	2nd AREA	VOLUME
	CUT FILL	CUT FILL
Sta. 12+34 Use Area at Sta. 13+00	0 340	0 350
	0 216	
		0 100
Begin Earthwork Sta. 11+75 Area 0	0 0	

84
280
0

T
R W

Sta. 11+40
Begin Seeding

G-1156.25
Sta. 12+00
1148.8

G-1159.09
Sta. 11+00
1149.5

G-1161.26
Sta. 10+00
1150.2

Structure

G-1162.77
Sta. 9+00
1151.0

140 120 100 80 60 40 20 ℄ 20 40 60 80

Scale: 1" = 10'

TURKEY FOOT LAKE ROAD
CROSS SECTIONS STA 9+00 TO STA 12+00

FED. ROAD DIVISION	STATE	PROJECT	
2	OHIO		

168

SUMMIT COUNTY
SUM-8-1.89

SEEDING
FAC. WIDTH | SIDE SLOPE

END AREA: FILL | CUT
VOLUME: FILL | CUT

Sta. 16+00
1144.79

Sta. 15+00
End Seeding

R W

Sta. 15+00
End Earthwork

R W

50 0

20

93 167

Sta. 15+00
1146.07

339

41

R W

R W

0 90

G-1148.77
Sta. 14+00
1146.85

633

6% Profile Drive Lt. Sta. 13+00

0 796

73

872

T R W

R W

0 340

0 831

Scale: 1" = 10'

84

Sta. 12+00

G-1152.75
Sta. 13+00
1147.48

Sta. 12+34

0 340

140 120 100 80 60 40 20 ℄ 20 40 60 80

TURKEY FOOT LAKE ROAD
CROSS SECTIONS STA 13+00 TO STA 16+00

SEEDING

PVE WIDTH	SO TOE
78	894
83	978
93	1008
94	

SUMMIT COUNTY
SUM-8-1.89

BLDG. HOUSE LA HOUSE LA

G- 1069.12
Sta. 50+00
1071.5

F.L. 1065.2

LA LA

G- 1071.21
Sta. 49+00
1077.0

F.L. 1070.0

BLDG. BLDG. LA

Notch Line Main Line

F.L. 1071.9

G- 1073.29
Sta. 48+00
1083.5

Begin Seeding
Sta. 47+03

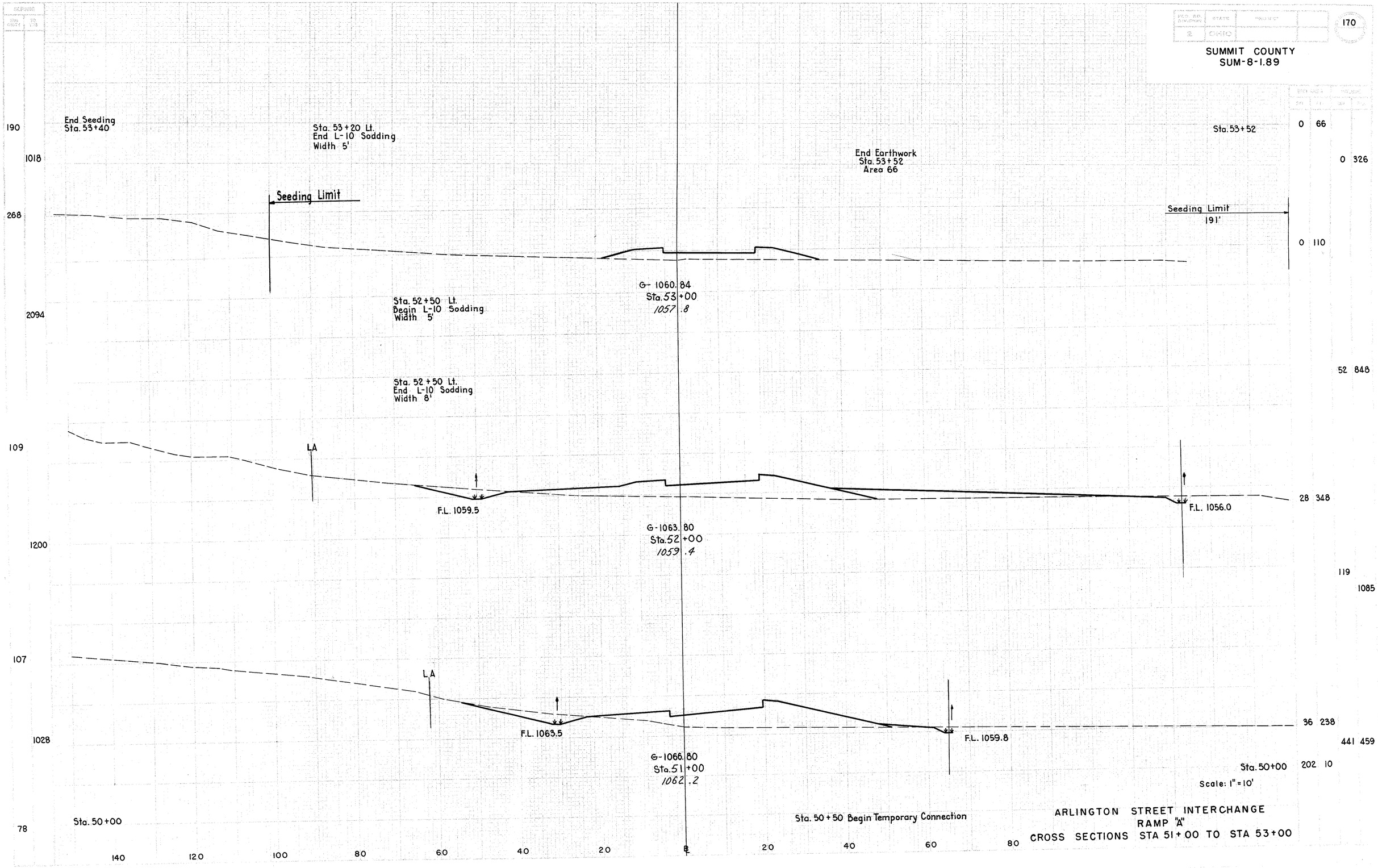
Sta. 47+00 Lt.
Begin L-10 Sodding
Width 8'

140 120 100 80 60 40 20 0 20 40 60 80

202	10	
1226	19	
460	0	
2345	0	
860	0	
4944	0	
Begin Earthwork Ramp A Sta. 47+03 (See Main Line Sta. 347+00)	Sta. 47+03	1810 0

Scale: 1" = 10'

ARLINGTON STREET INTERCHANGE
RAMP "A"
CROSS SECTIONS STA 48+00 TO STA 50+00



Scale: 1" = 10'

ARLINGTON STREET INTERCHANGE
RAMP "A"
CROSS SECTIONS STA 51+00 TO STA 53+00

SEEDING	
SQ. YDS.	

FED. ROAD DIVISION	STATE	PROJECT		171
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

END AREA		VOLUME	
CUT	FILL	CUT	FILL

106

F.L. 1065.0

G-1075.04
Sta. 50+00
1062.8

LA

F.L. 1060.0

Essig Rd. Cul-de-Sac

10 800

1028

52 1830

79

F.L. 1073.0

G-1075.39
Sta. 49+00
1071.0

LA

F.L. 1068.0

HOUSE

HOUSE

18 188

928

Sta. 48+55 Rt.
Begin L-10 Sodding
Width 5'

1033 348

88

956

LA

540 0

3033 0

Match Line
Main Line

F.L. 1073.8

Sta. 47+00 1098 0

84

Sta. 47+00

G-1075.75
Sta. 48+00
1086.0

Begin Earthwork
Ramp C Sta. 46+94
(See Main Line Sta. 347+00)

244 0

56

Sta. 46+94 1098 0

84

Sta. 46+94
Begin Seeding

Scale: 1" = 10'

140 120 100 80 60 40 20 ℄ 20 40 60 80

ARLINGTON STREET INTERCHANGE
RAMP "C"
CROSS SECTIONS STA 48+00 TO STA 50+00

SUMMIT COUNTY
SUM-8-1.89

SELBIAS
CUT WIDTH | SQ. YDS.

118 | 1594 | 169 | 1761 | 148 | 1411 | 106

Sta. 52+50 Lt.
End L-10 Sodding
Width 6'

Sta. 51+40 Lt.
Begin L-10 Sodding
Width 6'

Sta. 51+25 Rt.
End L-10 Sodding
Width 5'

Sta. 50+00

F.L. 1054.0

F.L. 1056.5

G-1073.98
Sta. 53+00
1059.0

G-1074.34
Sta. 52+00
1059.0

G-1074.69
Sta. 51+00
1057.3

BLD'G.

BLD'G.

F.L. 1054.4

F.L. 1054.2

F.L. 1055.0

LA

LA

LA

48 | 942 | 3541

315

122 | 970

274 | 3900

26 | 1136

67 | 3585

10 | 800

Sta. 50+00

140 120 100 80 60 40 20 ℄ 20 40 60 80

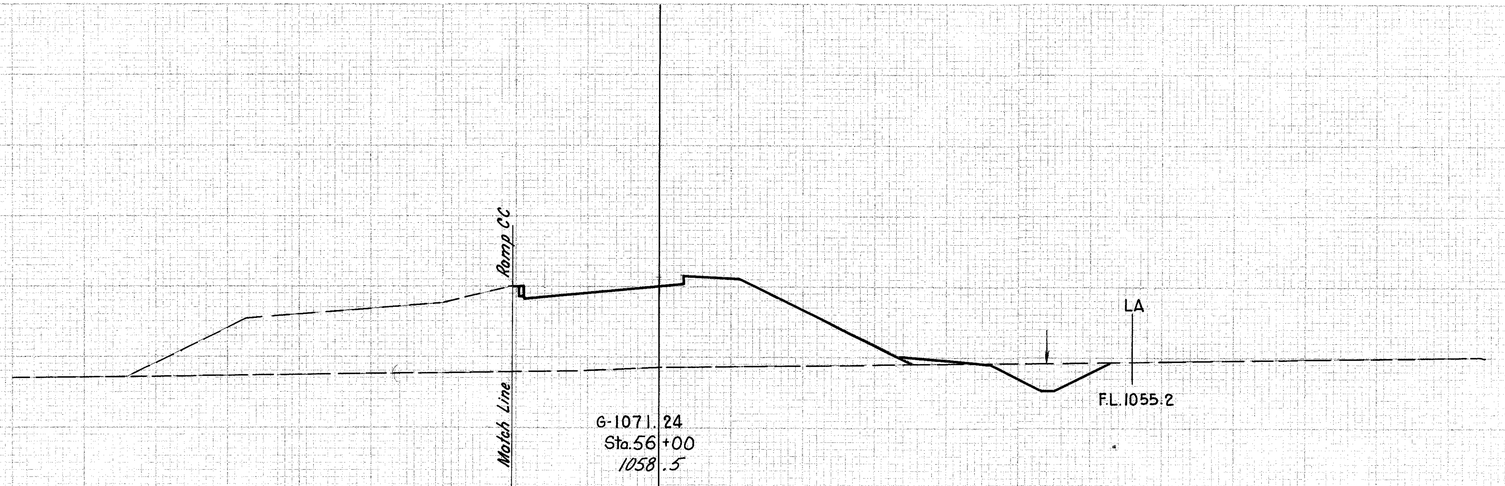
Scale: 1" = 10'

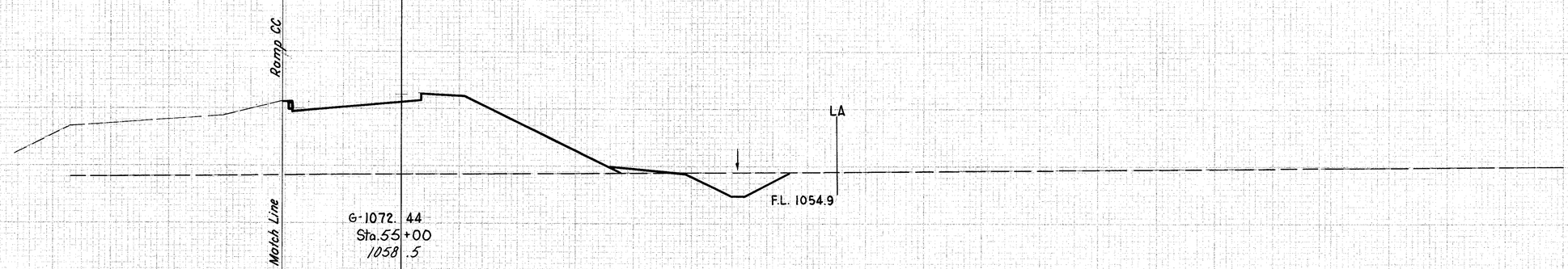
ARLINGTON STREET INTERCHANGE
RAMP "C"
CROSS SECTIONS STA 51+00 TO STA 53+00

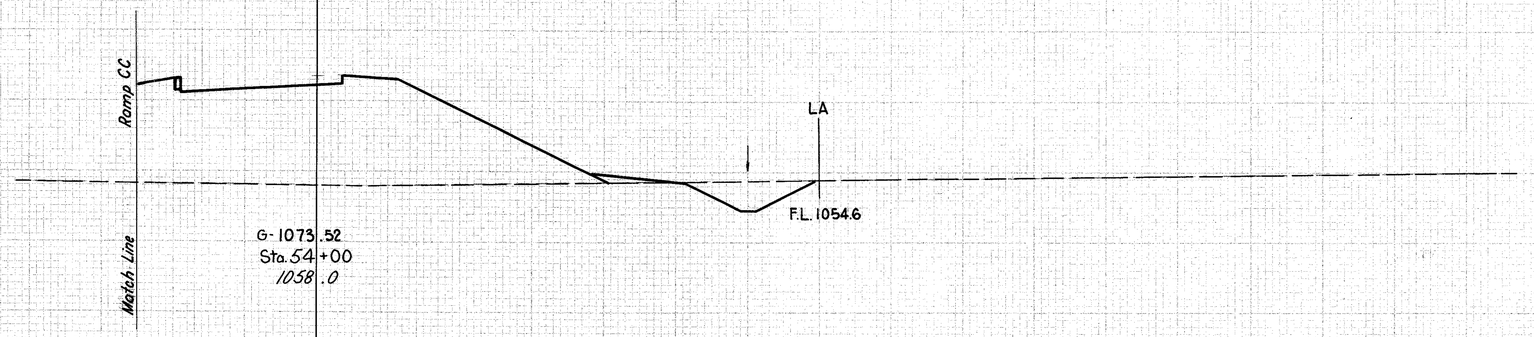
STATE	PROJECT	
OHIO		

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SUMMIT COUNTY
SUM-8-1.89







	CHG AREA		VOLUME	
	CUT	FILL	CUT	FILL
67	44	532		
800			2071	
77	42	586		
			159	
833				
			156	2456
73	42	740		
			167	3115
1061				
	48	942		
118				

Sta. 53+00

Sta. 53+00

Scale: 1"=10'

80 60 40 20 0 20 40 60 80 100 120 140

ARLINGTON STREET INTERCHANGE
RAMP "C"
CROSS SECTIONS STA 54+00 TO STA 56+00

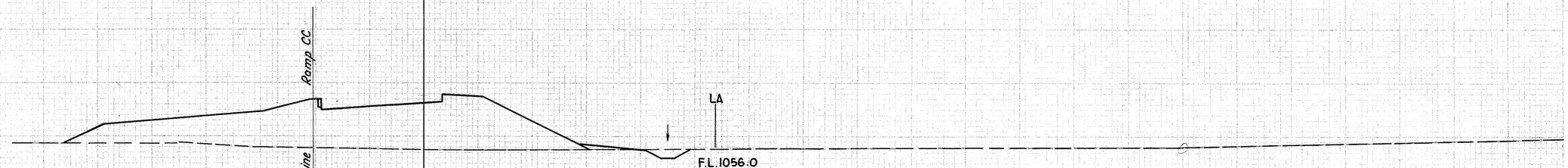
SHEET NO.	END POINT	SQ. YDS.
54		
		633
60		
		689
64		
		728
67		

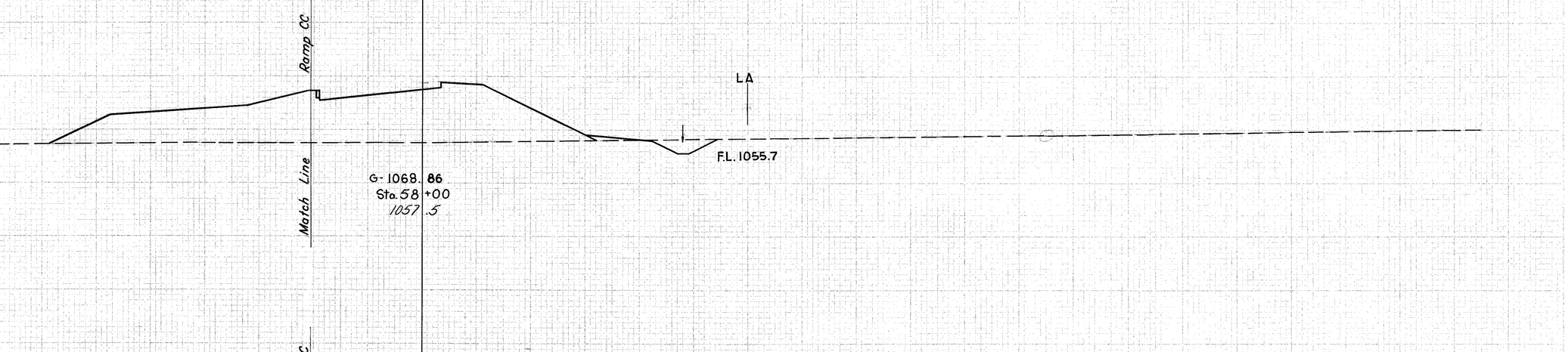
SHEET NO.	END POINT	SQ. YDS.
	10	374
		1482
	20	426
		1659
	26	470
		1856
	44	532

SHEET NO.	DIVISION	STATE	PROJECT		
	2	OHIO			

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SUMMIT COUNTY
SUM-8-1.89





Sta. 56+00

Scale: 1" = 10'

ARLINGTON STREET INTERCHANGE
RAMP "C"
CROSS SECTIONS STA 57+00 TO STA 59+00

SEEDING	
END WIDTH	SQ. YDS.
90	978
86	856
68	678
54	

FED. RD. DIVISION	STATE	PROJECT		175
2	OHIO			

SUMMIT COUNTY
SUM - 8 - 1.89

End Seeding
Sta. 62 + 00

Seeding Limit

End Earthwork
Sta. 62 + 21
Area 58

LA

G-1066. 62
Sta. 62 + 00
1065.0

Sta. 61 + 50 Begin Temporary Connection

LA

F.L. 1063.0

Match Line

G-1066. 68
Sta. 61 + 00
1063.0

Ramp CC

LA

F.L. 1058.0

Match Line

G-1067. 18
Sta. 60 + 00
1059.2

Sta. 59+00

Sta. 59+00

140 120 100 80 60 40 20 0 20 40 60 80

Scale: 1" = 10'

END AREA		VOLUME	
CUT	FILL	CUT	FILL
58	0	23	4
4	12		
		41	382
18	194		
		67	1052
18	374		
		52	1385
10	374		

ARLINGTON STREET INTERCHANGE
RAMP "C"
CROSS SECTIONS STA 60+00 TO STA 62+00

SUMMIT COUNTY
SUM - 8 - 1.89

SEEDING		SLOPE	
SEED MIXTURE	SQ. YDS.	SLOPE	SQ. YDS.
165	1772	0	130
		0	319
154	914	0	42
		0	39
175	Begin Seeding Sta. 44+50	0	0

Seeding Limit
Ramp C
Match Line
Seeding Limit
175'
G-1062.67
Sta. 46+00
1059.8
Seeding Limit
Seeding Limit
G-1061.33
Sta. 45+00
1059.5
Sta. 44+50
Begin Earthwork
Sta. 44+50
Area 0
G-1059.99
Sta. 44+00
1060.0
G-1058.65
Sta. 43+00
1058.5

Scale: 1" = 10'

ARLINGTON STREET INTERCHANGE
RAMP "CC"
CROSS SECTIONS STA 43+00 TO STA 46+00

SUMMIT COUNTY
SUM-8-1.89

GRADING
END AREA | SQ. YDS.

Seeding Limit
Match Line Ramp C
G-1066.69
Sta. 49+00
1057.5
F.L. 1056.2
172 | 1889 | 0 | 760 | 0 | 2796

Seeding Limit
Match Line Ramp C
G-1065.35
Sta. 48+00
1057.5
F.L. 1056.4
168 | 1800 | 0 | 750 | 4 | 1904

Seeding Limit
Match Line Ramp C
G-1064.01
Sta. 47+00
1058.8
F.L. 1056.6
156 | 1783 | 2 | 278 | 4 | 756

Sta. 46+00 | 0 | 130

165 Sta. 46+00

80 60 40 20 ℄ 20 40 60 80 100 120 140

Scale: 1" = 10'

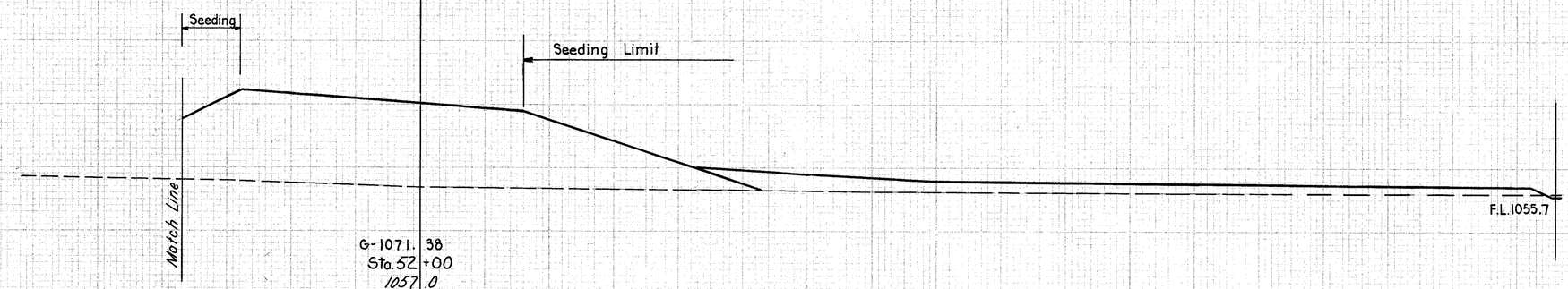
ARLINGTON STREET INTERCHANGE
RAMP "CC"
CROSS SECTIONS STA 47+00 TO STA 49+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

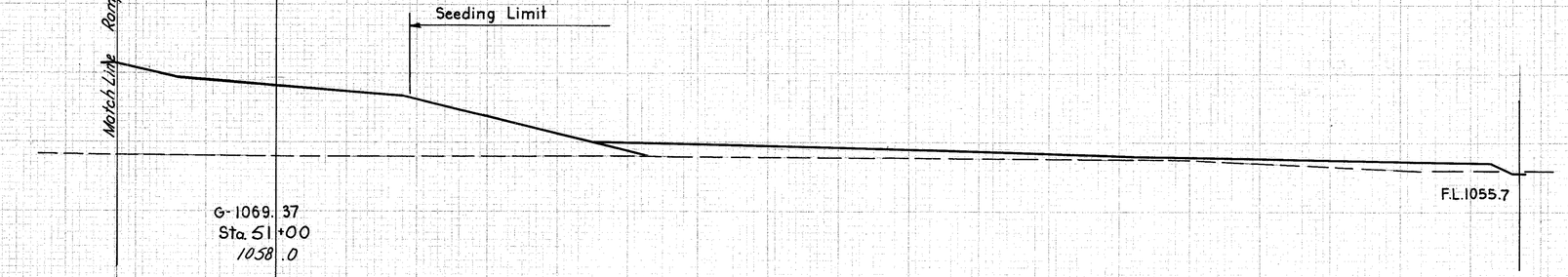
178

SUMMIT COUNTY
SUM-8-1.89

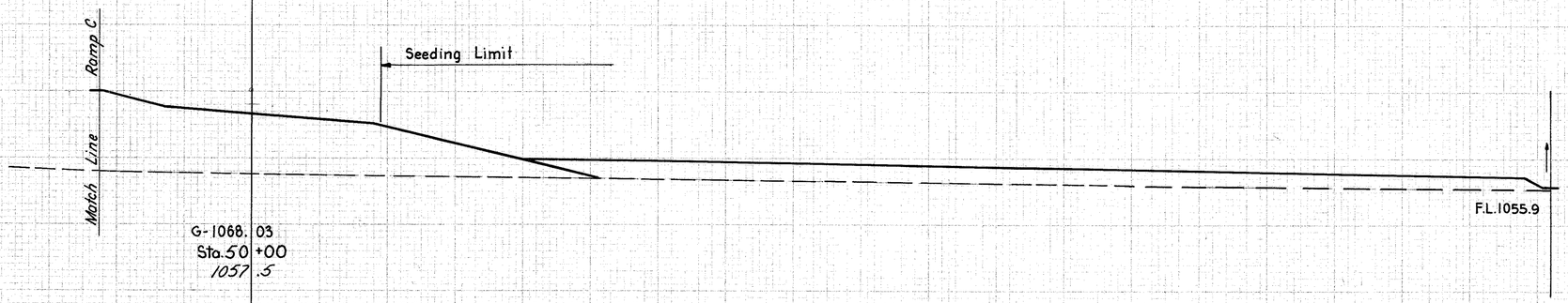
SEEDING	
SQ. YDS.	
170	
1878	
168	
1950	
183	
1972	
172	



G-1071.38
Sta. 52+00
1057.0



G-1069.37
Sta. 51+00
1058.0



G-1068.03
Sta. 50+00
1057.5

Scale: 1" = 10'

Sta. 49+00

Sta. 49+00

ARLINGTON STREET INTERCHANGE
RAMP "CC"
CROSS SECTIONS STA 50+00 TO STA 52+00

80 60 40 20 ℄ 20 40 60 80 100 120 140

EARTH QUANTITIES		ROCK QUANTITIES	
CUT	FILL	CUT	FILL
0	1006		
		0	3189
0	716		
			2956
		0	
0	880		
		0	3037
0	760		

FED. RD. DIVISION	STATE	PROJECT		179
2	OHIO			

SUMMIT COUNTY
SUM-8-1.89

SEEDING

END WIDTH	NO. YDS.
	164
	1961
	189
	2194
	206
	2089
	170

END AREA VOLUME

CUT	FILL	CUT	FILL
		0	1472
		0	5726
		0	1620
		0	5426
		0	1310
		0	4289
		0	1006

End Seeding
Sta. 55+00

Sta. 56+00
1055.4

Seeding Limit

Match Line Main Line

Sta. 55+00
150' Rt.

Match Line

F.L. 1055.7

End Earthwork
Sta. 55+00

Match Line

G-1078.73
Sta. 55+00
1054.8

Seeding Limit

Seeding Limit

Sta. 54+00
150' Rt.

Match Line

F.L. 1055.7

N

Match Line

G-1076.65
Sta. 54+00
1055.3

Seeding Limit

Seeding Limit

175'

N

G-1074.05
Sta. 53+00
1056.0

Sta. 52+00

Scale: 1"=10'

Sta. 52+00

140 120 100 80 60 40 20 ℄ 20 40 60 80

ARLINGTON STREET INTERCHANGE
RAMP "CC"
CROSS SECTIONS STA 53+00 TO STA 56+00

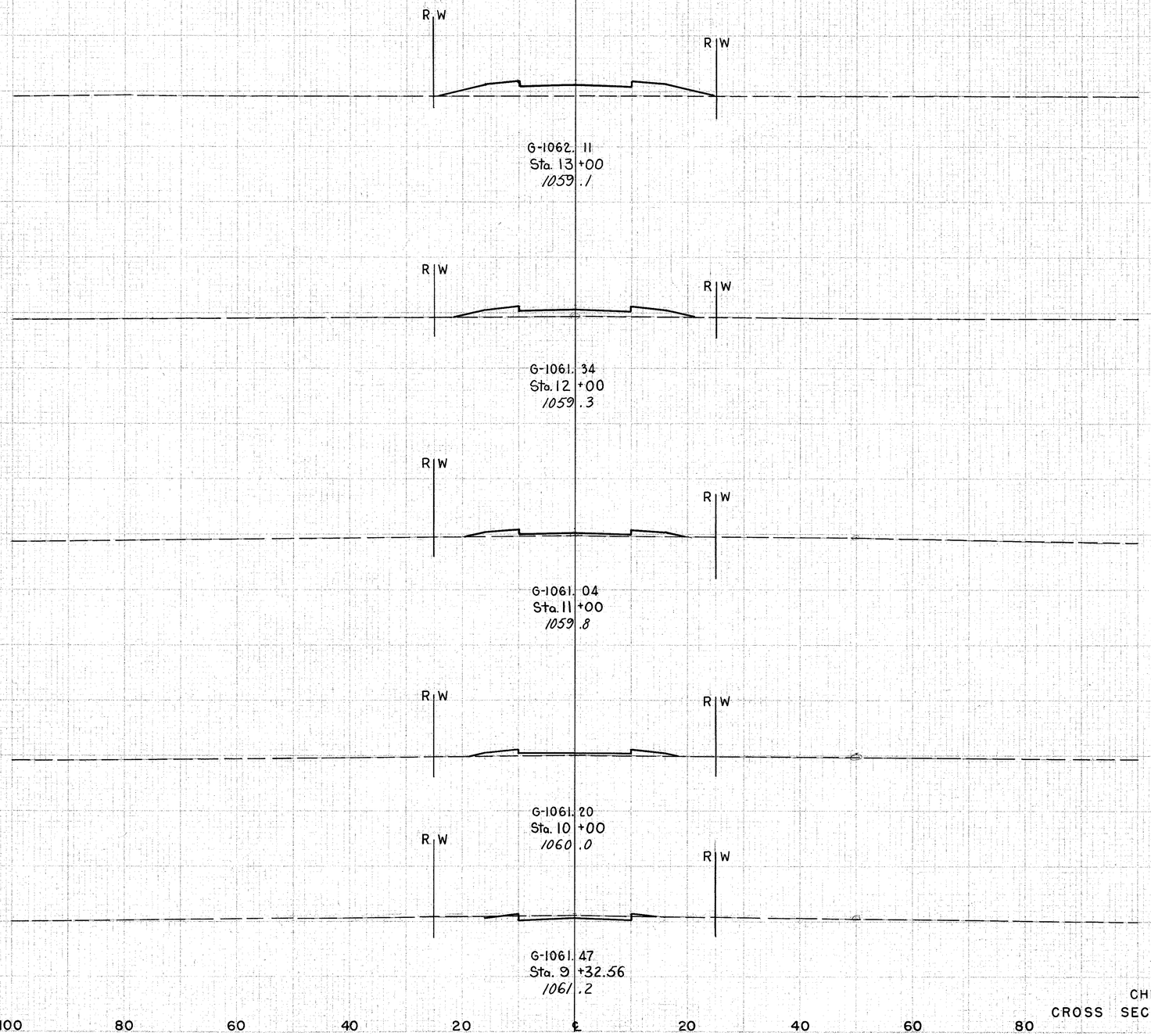
SEEDING	
BID WIDTH	SQ. YDS.
30	
	333
30	
	333
30	
	225
30	

Begin Seeding
Sta. 9+32.56

FED. AID DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM - 8 - 1.89



Begin Earthwork
Sta. 9 + 32.56

Scale: 1" = 10

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	94		
		0	267
0	50		
		0	144
0	28		
		0	93
0	22		
		15	30
12	2		

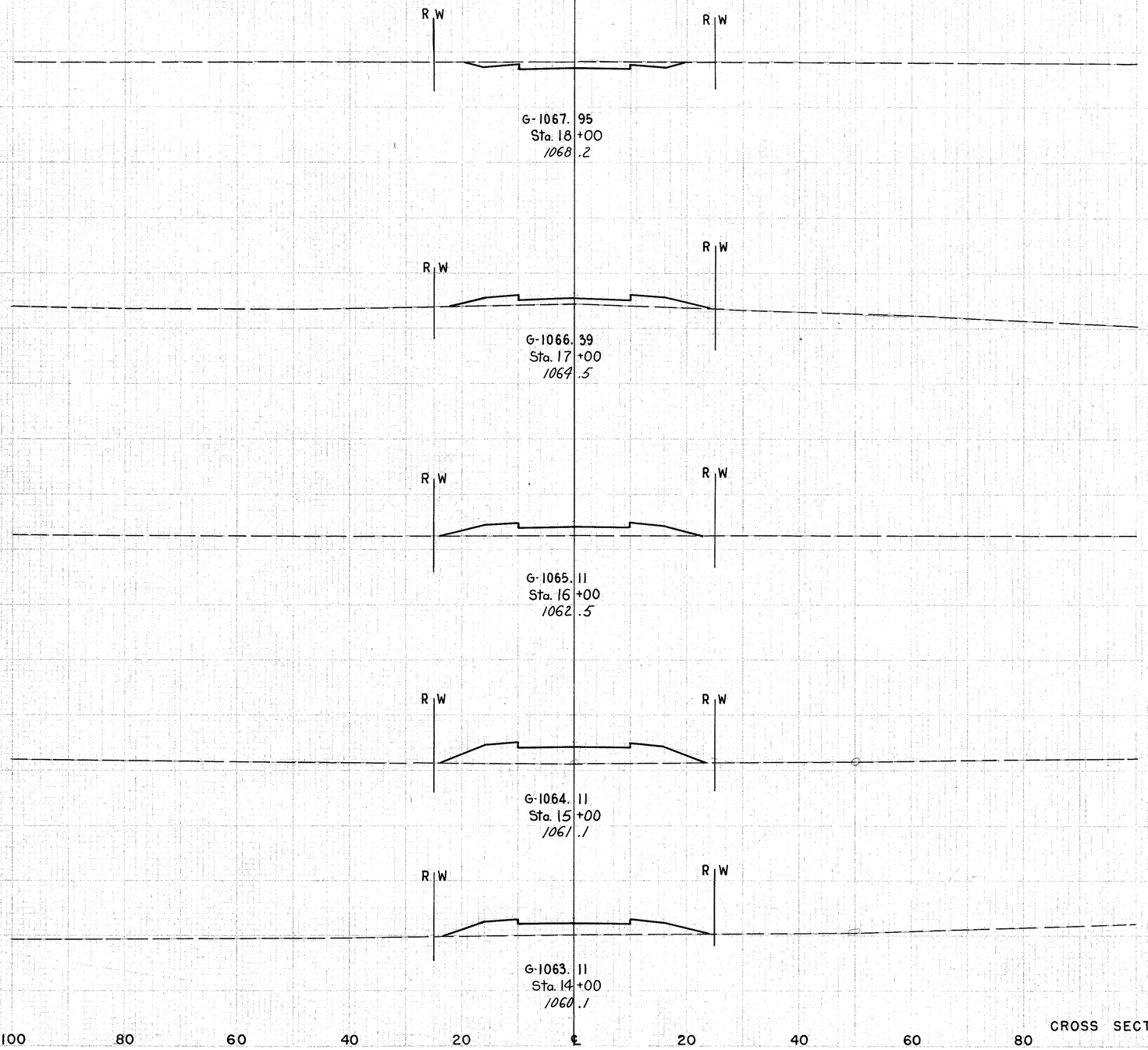
CHENOWETH ACCESS ROAD
CROSS SECTIONS STA 9+32.56 TO STA 13+00

SEEDING	
CHU WIDTH	SQ YDS
30	333
30	333
30	333
30	

CHU DIV DIVISION	STATE	PROJECT	
2	ORE		

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SUMMIT COUNTY
SUM - 8 - 1.89



CHU AREA CUT	FILL
38	0
70	111
0	60
0	252
0	76
0	433
0	158
0	478
0	100
0	359
Sta. 13+00 0	94

Sta. 13+00

Scale: 1"=10'

CHENOWETH ROAD
CROSS SECTIONS STA 14+00 TO STA 18+00

SUMMIT COUNTY
SUM-8-1.89

End Seeding
Sta. 22+94.6

End Earthwork
Sta. 22 + 94.6

G-1072.65
Sta. 22+94.6
1072.65

G-1073.41
Sta. 22+00
1070.3

G-1072.64
Sta. 21+00
1069.6

G-1071.08
Sta. 20+00
1068.5

G-1069.52
Sta. 19+00
1070.6

R|W

| | | |

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

NAME	Line Sheet Number
Massillon Rd.	50 & 51
Ramp J	43
Ramp K	44
Ramp L	44
Ramp M	43
Grading Plan	200
Bridge No. SUM-8-0456	244 Thru. 252

BEGIN WORK
Sta. 3+92

BEGIN PAVEMENT
Sta. 7+50

Ramp J
P.I. Sta. 4+16.70
Δ = 3° 30' 00" Lt.
D = 1° 30'
R = 3819.72'
T = 116.70'
L = 233.33'

Ramp J
P.I. Sta. 9+44.27
Δ = 20° 44' 33" Lt.
R = 250'
T = 45.75'
L = 90.51'
P.C. Sta. 8+98.52
P.T. Sta. 9+89.03

Ramp K
P.I. Sta. 1+58.23
Δ = 38° 11' 10" Rt.
R = 266.00'
T = 92.07'
L = 177.28'
P.C. Sta. 0+66.16
P.T. Sta. 2+43.44

Ramp K
P.I. Sta. 8+79.99
Δ = 5° 45' 00" Lt.
D = 3° 00'
R = 1909.86'
T = 95.91'
L = 191.67'

Ramp K
P.I. Sta. 12+09.37
Δ = 7° 00' 00" Lt.
D = 1° 30'
R = 3819.72'
T = 233.62'
L = 466.67'

Sta. 16+85.38 Massillon Rd. =
Sta. 0+00 Ramp K =
Sta. 11+01.94 Ramp J

Sta. 241+00 I.R. 77 =
Sta. 19+86.08 Massillon Rd.

Sta. 24+18.74 Massillon Rd. =
Sta. 14+56.73 Ramp M =
Sta. 0+00 Ramp L

Ramp M
P.I. Sta. 2+33.62
Δ = 7° 00' 00" Rt.
D = 1° 30'
R = 3819.72'
T = 233.62'
L = 466.67'

Ramp M
P.I. Sta. 7+55.83
Δ = 17° 00' 00" Rt.
D = 4° 00'
L.S. = 150.00'
R = 1432.40'
θs = 3° 00' T.S. = 289.16'
P = 0.65' Es = 16.6'
K = 74.99' Lc = 275.00'
L.T. = 100.01' Xc = 149.96'
S.T. = 50.01' Yc = 2.62'
L.C. = 149.98' Δc = 11° 00'

Ramp M
P.I. Sta. 13+15.71
Δ = 49° 26' 10" Lt.
R = 266.00'
T = 122.45'
L = 229.51'
P.C. Sta. 11+93.26
P.T. Sta. 14+22.77

Ramp L
P.I. Sta. 4+66.84
Δ = 24° 14' 33" Rt.
D = 6° 00'
L.S. = 150.00'
R = 954.93'
θs = 4° 30' T.S. = 280.28'
P = 0.98' Es = 22.78'
K = 74.98' Lc = 254.04'
L.T. = 100.03' Xc = 149.91'
S.T. = 50.03' Yc = 3.93'
L.C. = 149.96' Δc = 15° 14' 33"

I.R. 77
P.I. Sta. 207+80.99
Δ = 8° 53' 00" Lt.
D = 0° 20'
R = 17,188.73'
T = 1335.18'
L = 2665.00'
E = 51.78'

Sta. 228+00 - 91.00' Lt. =
Sta. 0+00 Ramp J

Sta. 230+00 - 78.00' Rt. =
P.C. Sta. 0+00 Ramp M

P.T. Sta. 221+10.81 Bk. =
Sta. 221+11.75 Ahead

Sta. 10+40.60 Ramp L =
Sta. 254+10 I.R. 77 - 91.00' Rt.

P.C. Sta. 3+00
P.T. Sta. 5+33.33
P.C. Sta. 7+64.06
P.C.C. Sta. 9+75.75
P.T. Sta. 14+42.42 Ramp K =
Sta. 255+00 I.R. 77 - 78.00' Lt.
C.S. Sta. 6+16.67
S.C. Sta. 8+91.67
S.T. Sta. 10+41.67
T.S. Sta. 11+86.56
S.C. Sta. 3+56.56
C.S. Sta. 5+90.60
S.T. Sta. 7+40.60

N 09° 30' 20" E
N 67° 29' 40" W
N 46° 45' 07" W
N 43° 15' 07" W
N 29° 18' 30" W
N 35° 03' 30" W
N 42° 03' 30" W
N 18° 03' 30" W
44° 33' 50"

SOUTHBOUND
NORTHBOUND
I. R. 77
RAMP J
RAMP K
RAMP M
RAMP L
MASSILLON ROAD
S.R. 241
Ahead Line
Match Line

END WORK
Sta. 31+01

Scale : 1" = 100'

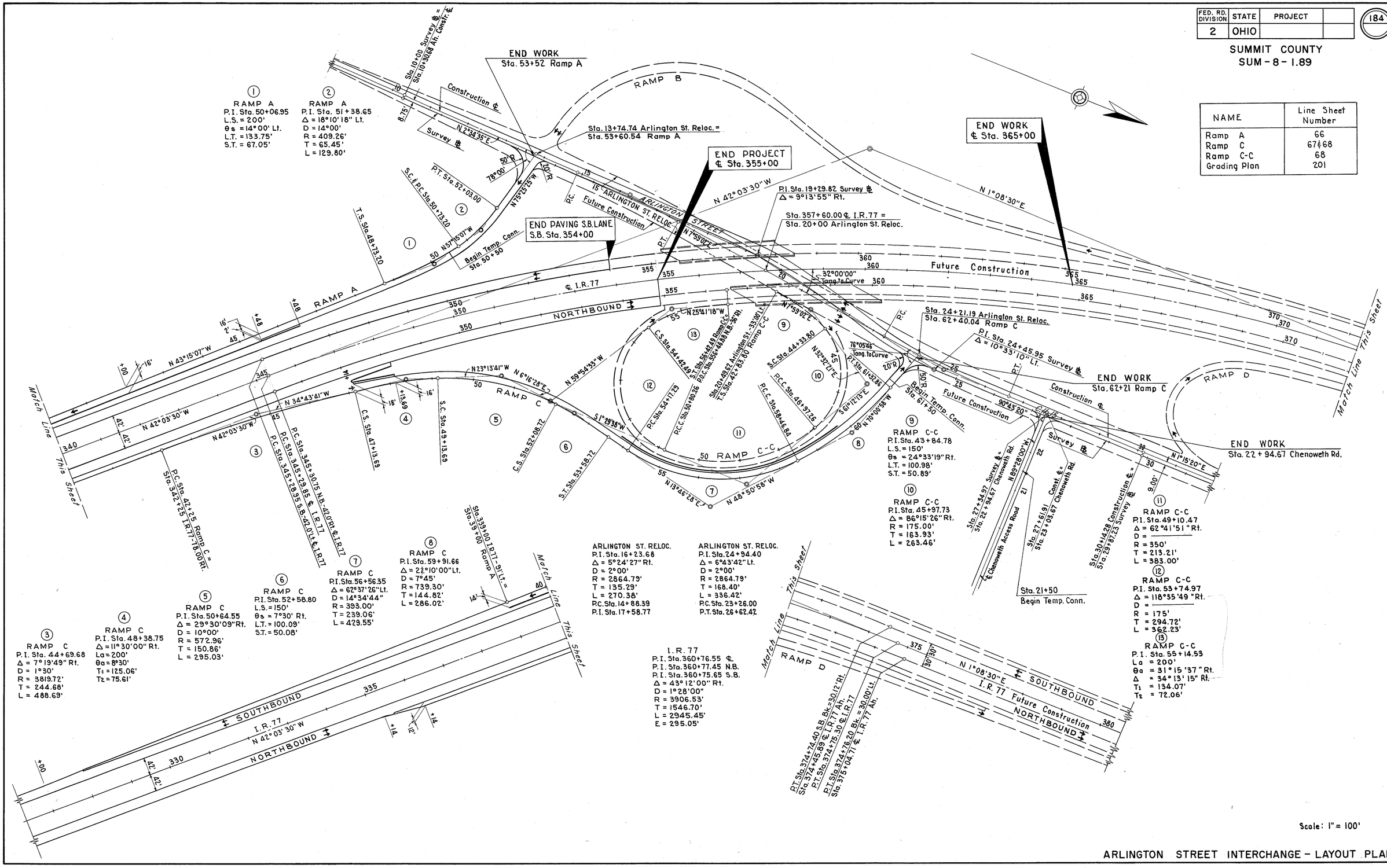
MASSILLON ROAD INTERCHANGE - LAYOUT PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM - 8 - 1.89

NAME	Line Sheet Number
Ramp A	66
Ramp C	67 & 68
Ramp C-C	68
Grading Plan	201



① RAMP A
P.I. Sta. 50+06.95
L.S. = 200'
θs = 14°00' Lt.
L.T. = 133.75'
S.T. = 67.05'

② RAMP A
P.I. Sta. 51+38.65
Δ = 18°10'18" Lt.
D = 14°00'
R = 409.26'
T = 65.45'
L = 129.80'

③ RAMP C
P.I. Sta. 44+69.68
Δ = 7°19'49" Rt.
D = 1°30'
R = 3819.72'
T = 244.68'
L = 488.69'

④ RAMP C
P.I. Sta. 48+38.75
Δ = 11°30'00" Rt.
Lc = 200'
θs = 8°30'
T1 = 125.06'
T2 = 75.61'

⑤ RAMP C
P.I. Sta. 50+64.55
Δ = 29°30'09" Rt.
D = 10°00'
R = 572.96'
T = 150.86'
L = 295.03'

⑥ RAMP C
P.I. Sta. 52+58.80
L.S. = 150'
θs = 7°30' Rt.
L.T. = 100.09'
S.T. = 50.08'

⑦ RAMP C
P.I. Sta. 56+56.35
Δ = 62°37'26" Lt.
D = 14°34'44"
R = 393.00'
T = 239.06'
L = 429.55'

⑧ RAMP C
P.I. Sta. 59+91.66
Δ = 21°10'00" Lt.
D = 7°45'
R = 739.30'
T = 144.82'
L = 286.02'

⑨ RAMP C-C
P.I. Sta. 43+84.78
L.S. = 150'
θs = 24°33'19" Rt.
L.T. = 100.98'
S.T. = 50.89'

⑩ RAMP C-C
P.I. Sta. 45+97.73
Δ = 86°15'26" Rt.
R = 175.00'
T = 163.93'
L = 263.46'

⑪ RAMP C-C
P.I. Sta. 49+10.47
Δ = 62°41'51" Rt.
D = ———
R = 350'
T = 213.21'
L = 383.00'

⑫ RAMP C-C
P.I. Sta. 53+74.97
Δ = 118°55'49" Rt.
D = ———
R = 175'
T = 294.72'
L = 362.23'

⑬ RAMP C-C
P.I. Sta. 55+14.53
Lc = 200'
θs = 31°15'37" Rt.
Δ = 34°13'15" Rt.
T1 = 134.07'
T2 = 72.06'

ARLINGTON ST. RELOC.
P.I. Sta. 16+23.68
Δ = 5°24'27" Rt.
D = 2°00'
R = 2864.79'
T = 135.29'
L = 270.38'
P.C. Sta. 14+88.39
P.I. Sta. 17+58.77

ARLINGTON ST. RELOC.
P.I. Sta. 24+94.40
Δ = 6°43'42" Lt.
D = 2°00'
R = 2864.79'
T = 168.40'
L = 336.42'
P.C. Sta. 23+26.00
P.T. Sta. 26+62.42

I.R. 77
P.I. Sta. 360+76.55 ℄
P.I. Sta. 360+77.45 N.B.
P.I. Sta. 360+75.65 S.B.
Δ = 43°12'00" Rt.
D = 1°28'00"
R = 3906.53'
T = 1546.70'
L = 2945.45'
E = 295.05'

Scale: 1" = 100'

ARLINGTON STREET INTERCHANGE - LAYOUT PLAN

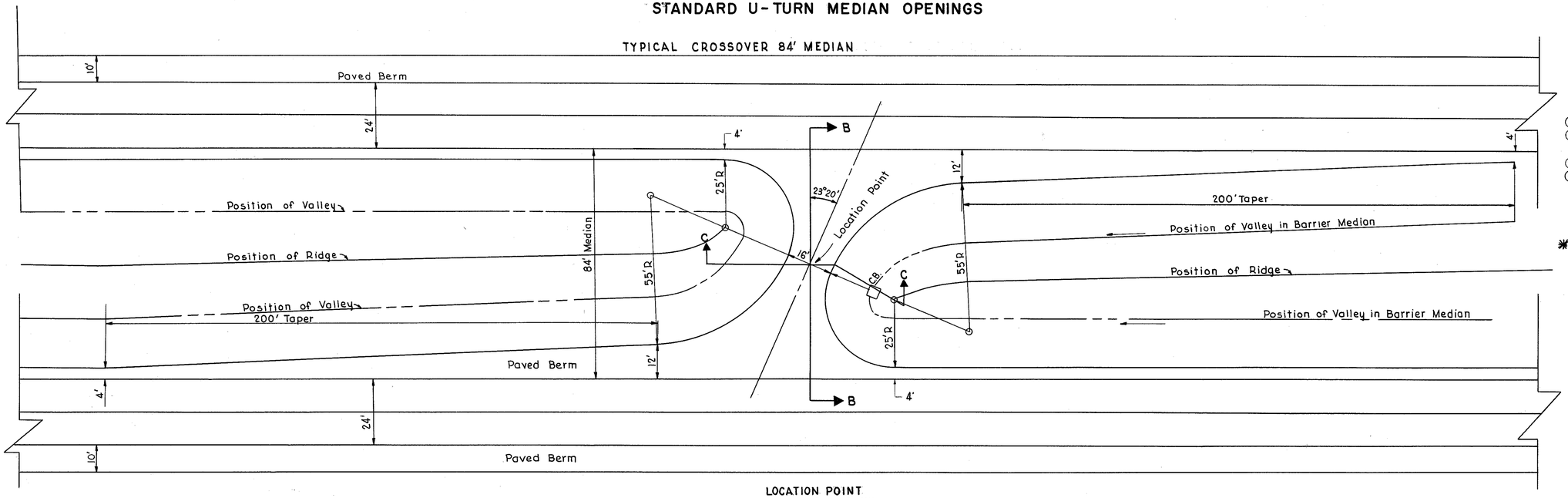
STANDARD U-TURN MEDIAN OPENINGS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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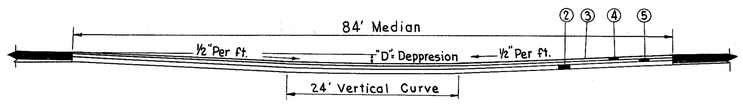
SUMMIT COUNTY
SUM. - 8 - 1.89

TYPICAL CROSSOVER 84' MEDIAN

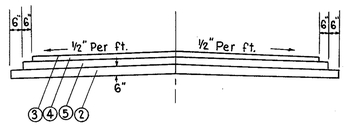


LOCATION POINT
Sta. 104+80 D=18"
Sta. 206+20 D=18"
Sta 309+20 D=18"

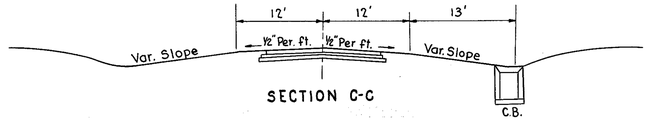
LEGEND
⑦ T-22 Subbase A or B Grading, as per plan
③ T-31 Bituminous Surface Treatment ** (See Proposal note)
④ B-21* 3" Water proofed Aggregate Base Course
⑤ B-112 Porous Base Course
*B-21 Thickness shown is "Designed" Thickness As Per Sec. B-21.01 (T-35, Type A Material may be used in construction of this course, see note in proposal)
** Using 0.008 Cu Yd. No. 6 Aggregate Per Sq. Yd. and 0.25 Gal. Bituminous Material Per Sq. Yd.



SECTION B-B



PAVEMENT TYPICAL AT LOCATION POINT

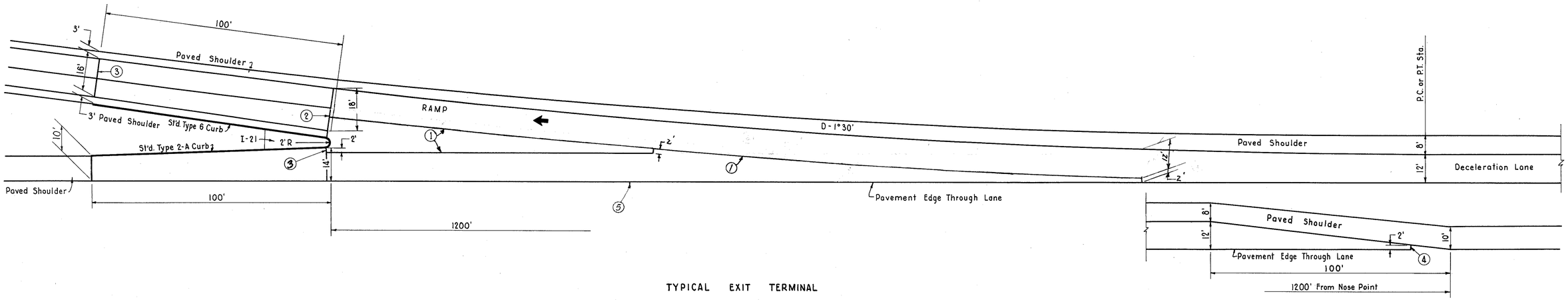


SECTION C-C

FED RD. DIVISION	STATE	PROJECT	
2	OHIO		

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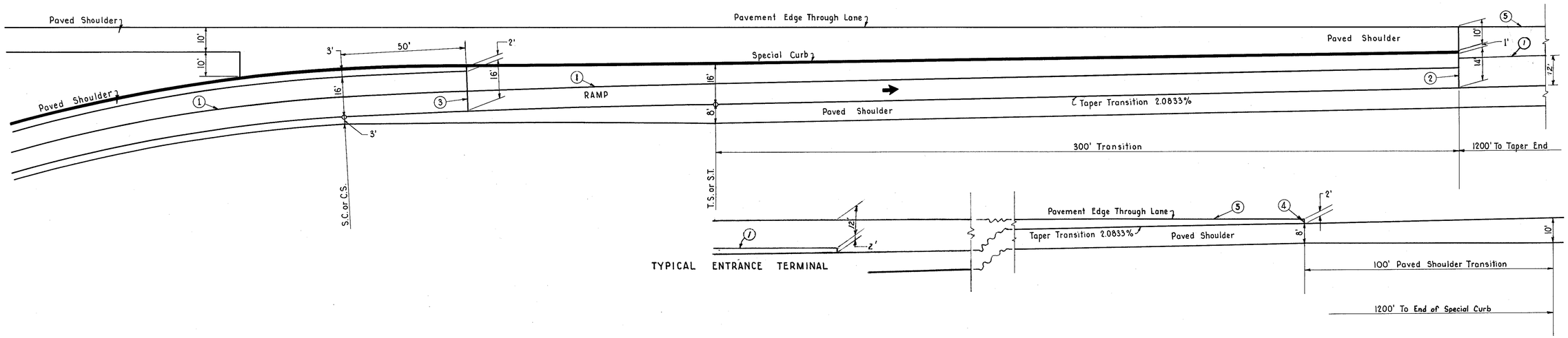
SUMMIT COUNTY
SUM-8-1.89



TYPICAL EXIT TERMINAL

LEGEND
(for Pavement Joints)

1. Standard Longitudinal Joint
2. Standard Expansion Joint
3. Standard Contraction Joint
4. Expansion Joint Without Dowels
5. Key Joint Without Tie Bars



TYPICAL ENTRANCE TERMINAL

Scale: 1" = 20'

TYPICAL EXIT & ENTRANCE TERMINALS

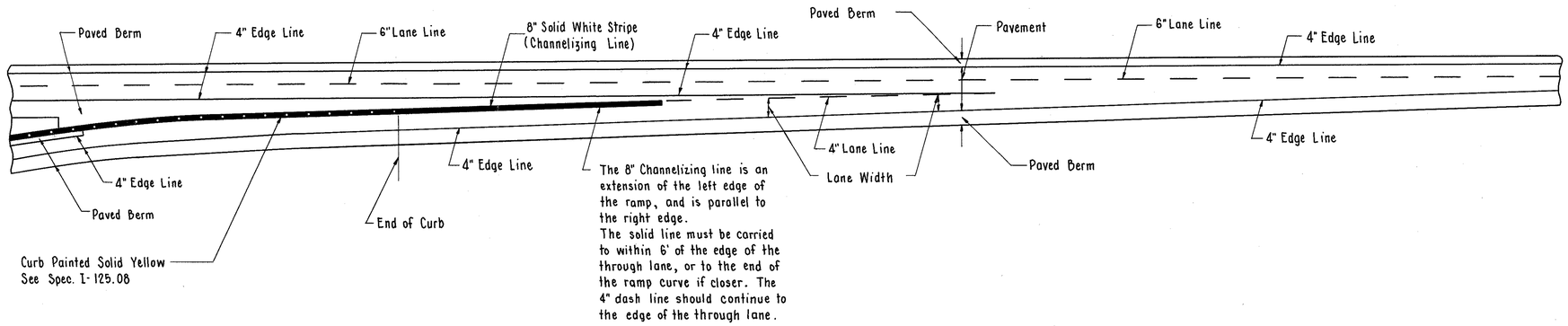
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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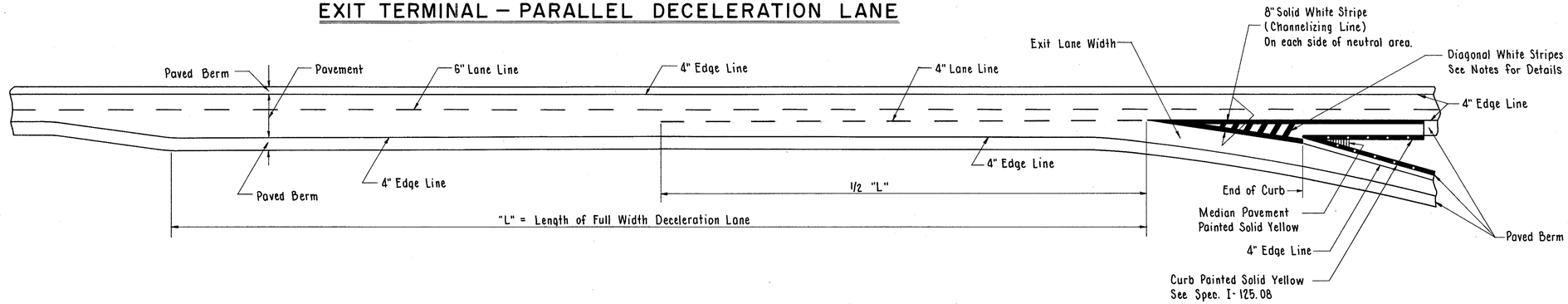
SUMMIT COUNTY
SUM.-8-1.89

TYPICAL PAVEMENT MARKING

ENTRANCE TERMINAL – TAPERED ACCELERATION LANE



EXIT TERMINAL – PARALLEL DECELERATION LANE



NOTES

Edge lines shall be placed in the locations as shown to conform to Supplemental Specification No. I-125 and defined in Section I-125.06.

Lane lines shall be placed in the locations as shown to conform to Supplemental Specification No. I-125 and defined in Section I-125.07.

Channelizing lines shall be continuous white beaded stripes 8" in width as shown. Paint and beads shall be applied at the following rates: For an 8" line use 32 gallons of paint per mile of stripe with 6 pounds of beads per gallon of paint.

Diagonal stripes in exit ramp markings shall be 2' wide white beaded stripes set at a 45° angle to the center line of the through pavement and slanted in the direction of the flow of traffic on said pavement. Space between the 2' diagonal stripes shall be 6' as measured parallel to the center line of the through pavement. Paint on the diagonal stripes shall be applied at the rate of 96 gallons of paint per mile of stripe and glass beads shall be applied at the rate of six pounds per gallon of paint. Diagonal white stripes shall be placed between and joining the two 8" white channelizing lines.

PAINT

White and yellow paint shall be purchased from the approved list of prequalified paints tested and approved by the department of highways testing laboratory. The manufacturers and code Nos. of approved paints will be furnished on request from the department of highways testing laboratory.

METHOD OF MEASUREMENT

The length of channelizing lines to be paid for shall be the actual number of miles of painted line. Exclusive of gaps, measured in place, completed and accepted. Painting of diagonal stripes shall be paid for at the lump sum price for all such work, completed and accepted.

BASIS OF PAYMENT

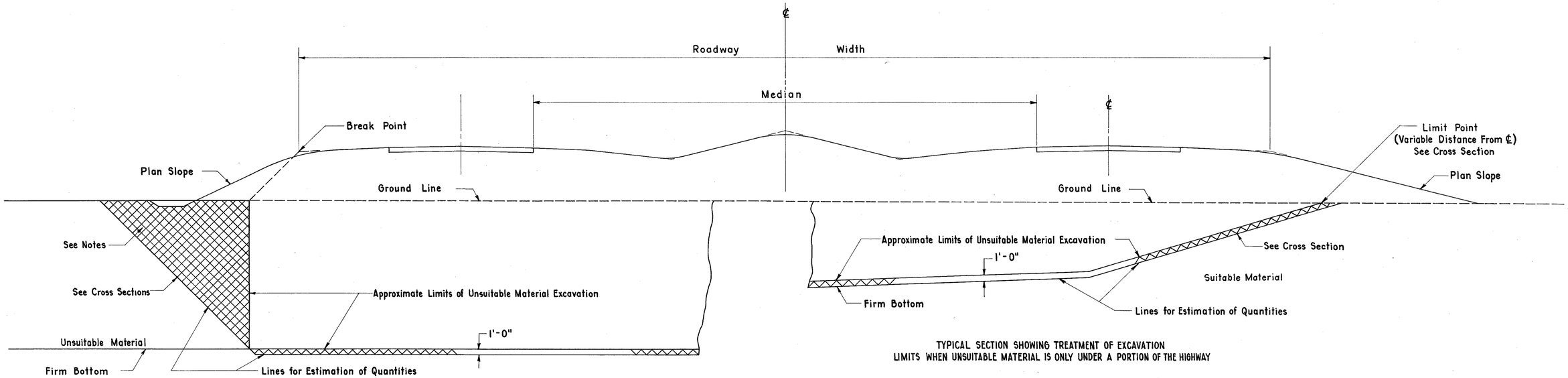
Channelizing lines measured as provided above shall be paid for at the contract unit price bid for "Item I-125 Channelizing Lines" as per plan. diagonal stripes shall be paid for at the lump sum bid for "Item I-125 Diagonal Stripes" as per plan

TRAFFIC (ZONE) PAINT MARKING

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

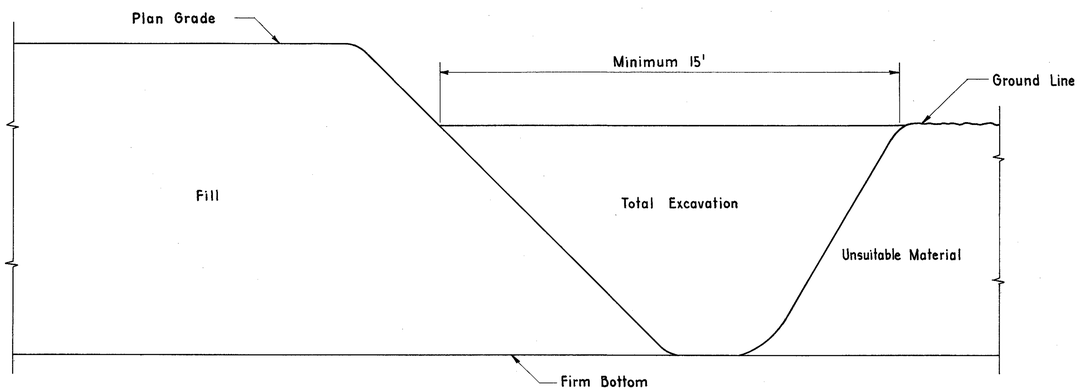
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TYPICAL SECTION SHOWING TREATMENT OF SLOPES
WHEN UNSUITABLE MATERIAL IS UNDER THE COMPLETE ROADWAY
Scale: 1/8"=1'-0"

TYPICAL SECTION SHOWING TREATMENT OF EXCAVATION
LIMITS WHEN UNSUITABLE MATERIAL IS ONLY UNDER A PORTION OF THE HIGHWAY



LONGITUDINAL SECTION
No Scale

Sta. 252+00 to Sta. 256+50

NOTES:

TRENCHING AND BACKFILLING - Shall be carried progressively across the swamp and so coordinated as to leave an open trench not to exceed in length at any time the working reach of the equipment used for swamp excavation.

FILL - Shall be constructed by the method of end dumping, using granular material, up to the elevations designed on the plan. Embankment required above this elevation, if any, shall be constructed in accordance with Sec. E-108 of the Construction and Material Specifications.

EXCAVATION - Of unsuitable material ahead of the fill and end dumping of granular material across the bog area shall be advanced in a straight line for the full embankment width to avoid entrapment of unsuitable material beneath any portion of the fill.

GRANULAR MATERIAL - Required for swamp treatment shall be specified as "E-4 Borrow using Granular Material as per plan." The granular material shall meet the requirements of Sec. E-1.02 of the Construction and Material Specifications modified to require at least 75 per cent by weight of the grains or particles to be retained on the No. 200 sieve.

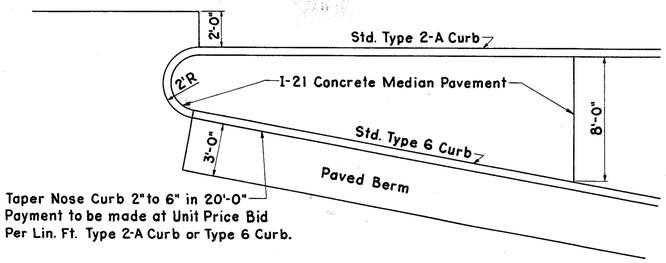
EXCAVATED UNSUITABLE MATERIAL - Which is to be used adjacent to fills for slope flattening or which is piled adjacent to the fill to be disposed of later in accordance with Sec. E-1.06, shall be shaped to its final position or removed from the area at least two weeks prior to paving operations on the fill.

EQUIPMENT - Used for excavation of unsuitable materials shall be located ahead of the excavation unless otherwise authorized by the Director.

CROSS-HATCHED - Sections are included in quantities to allow for possible sloughing and undercutting.

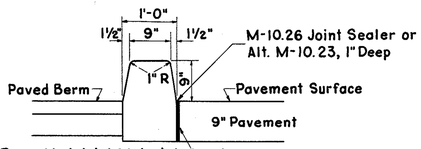
PAYMENT - Payment for removal and disposal of the excavated unsuitable material and for all other operations involved in placing of granular material up to the existing ground line shall be included in the unit price bid for the granular borrow.

TYPICAL SECTION SHOWING SWAMP TREATMENT



Note: Taper Nose Curb 2"to 6" in 20'-0"
Payment to be made at Unit Price Bid
Per Lin. Ft. Type 2-A Curb or Type 6 Curb.

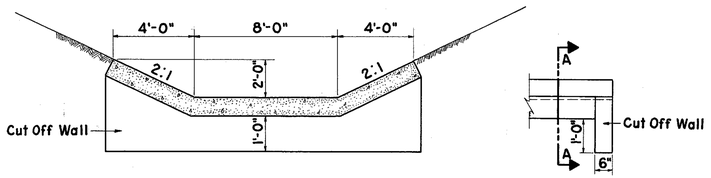
NOSE DETAIL
Scale : 1/4"= 1'-0"



½" Premolded Joint Material, Sec. M-10.02, where Curb is Adjacent to Concrete Pavement.

SPECIAL PORTLAND CEMENT CONCRETE CURB DETAIL
Scale : 3/4"= 1'-0"

Note: For detail of modified curb with earth backing, see Sheet 264

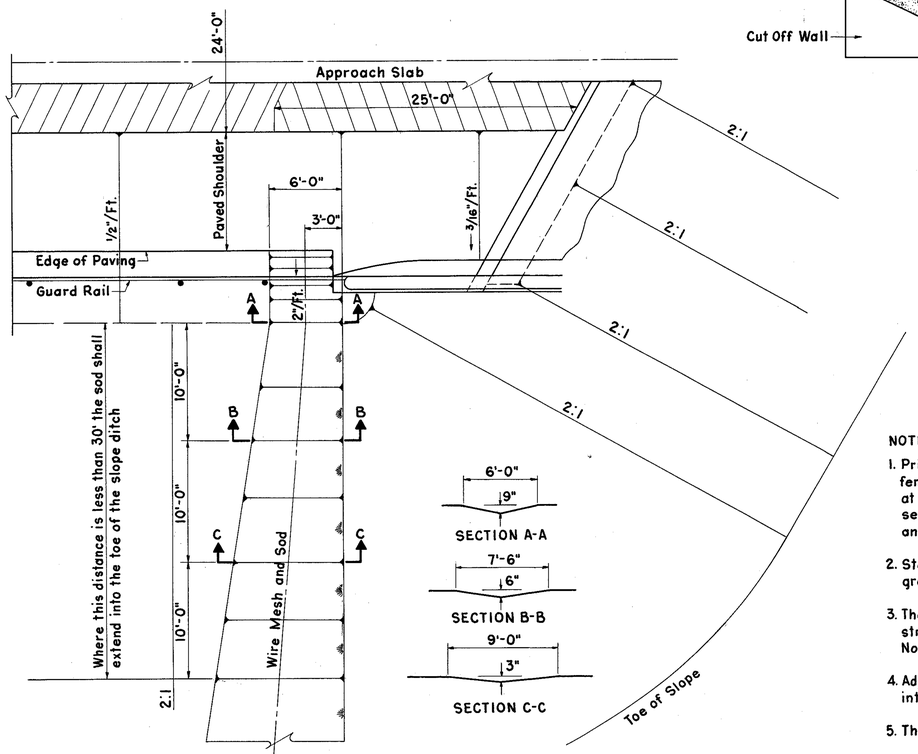


SECTION A-A

SIDE VIEW

I-10 RIP RAP
6" REINF. CONC. SLAB
Length = 20.0'
Width = 16.0'

Note: Payment for cut-off wall shown shall be included in the unit price bid for the riprap.

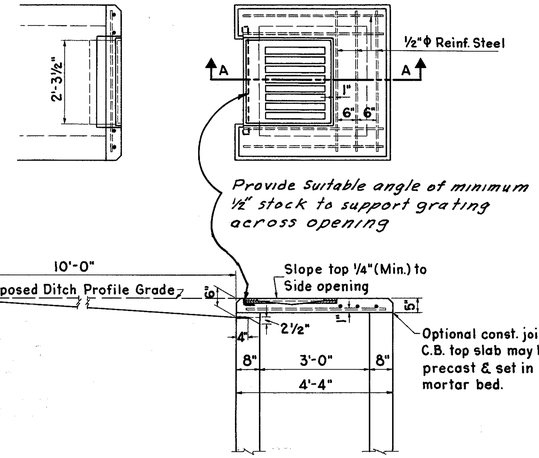


DETAIL OF SODDING
FOR SPECIAL BERM AND SLOPE PROTECTION
No Scale

Wise Ave.	Graybill Rd.	Main Line	Turkeyfoot Lake Rd.
Sta. 7+95 Lt.	Sta. 8+30 Lt.& Rt.	Sta.238 + 85 Lt.	Sta. 12+00 Lt.
Sta. 8+20 Rt.	Sta. 11+58 Lt.& Rt.	Sta.240 +40 Rt.	Sta. 12+35 Rt.
Sta. 11+80 Lt.			
Sta.12+10 Rt.			

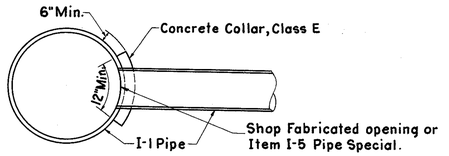
NOTES ON SODDING FOR SPECIAL BERM AND SLOPE PROTECTION

1. Prior to placement of sod in the berm and slope, galvanized poultry fence shall be placed on the finished grade in strands which shall be at right angles to the direction of flow. Each strand shall be staked securely on top and bottom with stakes spaced at four (4) foot intervals and attached in rows four (4) feet apart.
2. Stakes shall be 1"x1"x8" wood stakes and shall be perpendicular to the ground and flush with the finished grade.
3. The fence shall be Straight Line Poultry Fence or equivalent with strand width of four (4) feet having a two inch mesh and all wires to be No. 20 gage.
4. Adjacent strands of fencing shall be fastened together at twelve (12) inch intervals by means of 'hog rings.
5. The fence shall be secured to the wooden stakes by metal staples.
6. Sod shall be laid in accordance with Section L-10.07.
7. Erosion control is required only where the rate of side slope is steeper than 6:1.
8. Payment for all the above is included in the unit price bid for Item L-10 Sodding For Special Berm and Slope Protection.



SECTION A-A
Note: The side opening is to face "Upstream."

MODIFIED NO. 2-3 CATCH BASIN



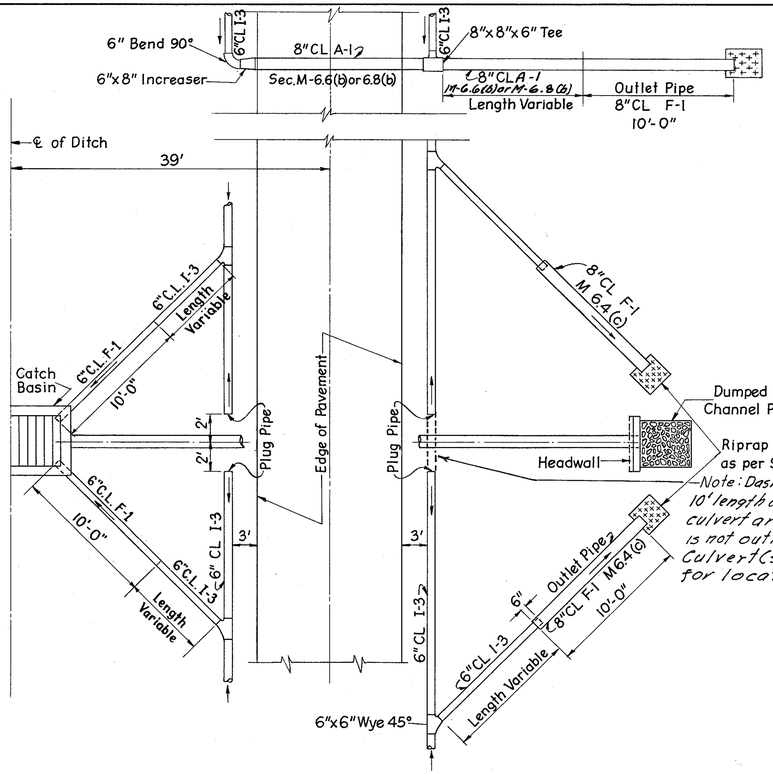
FIELD CONNECTION DETAIL
No Scale

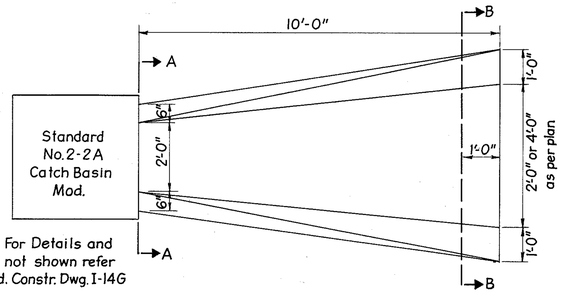
Note: Payment shall be included in the unit price bid for the pertinent pipe item unless a pipe special is provided in the plans or directed by the Engineer.

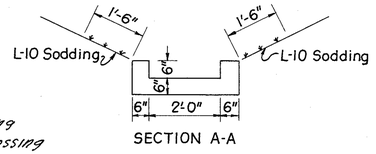
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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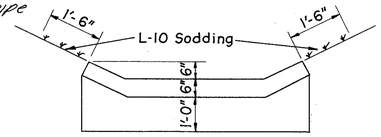
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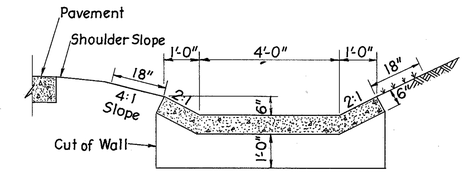


SECTION A-A

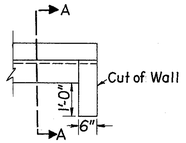


SECTION B-B
PAVED GUTTER APRON

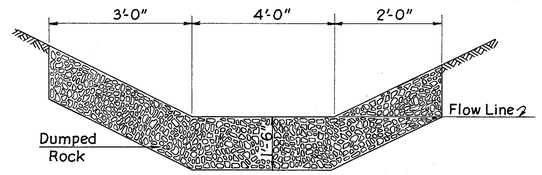
2' TO 4' BOTTOM
TO BE INCLUDED IN PRICE BID FOR MOD. 2-2A C.B.
Scale ½"=1'-0"



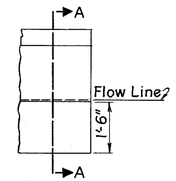
SECTION A-A
STANDARD PAVED GUTTER TYPE I (MODIFIED) 4' BOTTOM
ITEM I-14 (AS PER PLAN)
Scale 1"=1'-0"



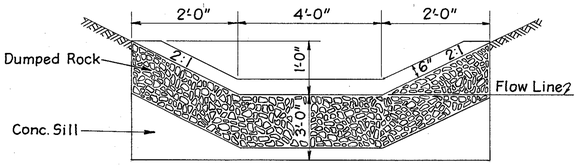
SIDE VIEW



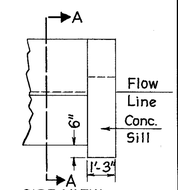
SECTION A-A
I-10 DUMPED ROCK
Sta. 160+10 to Sta. 161+95
No Scale



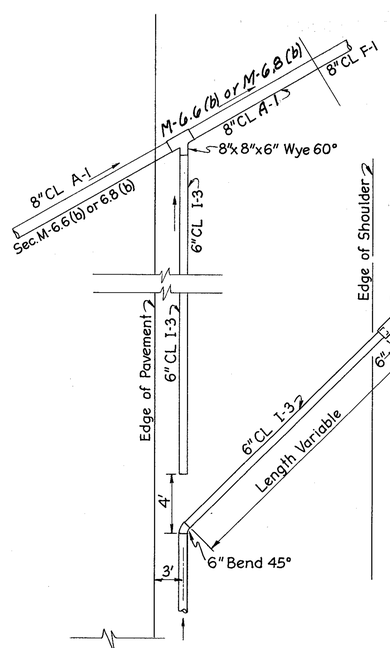
SIDE VIEW



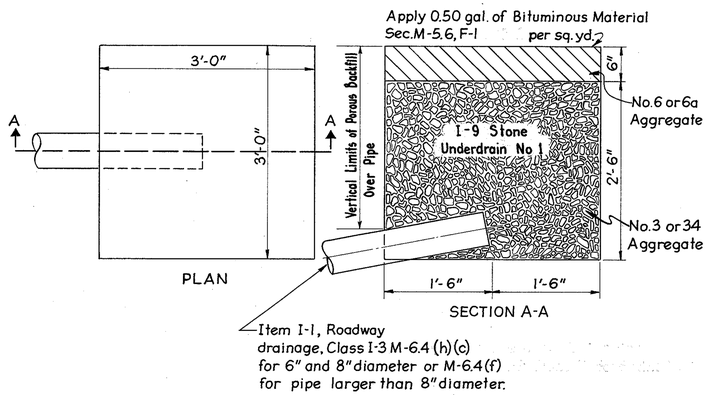
SECTION A-A
DUMPED ROCK & CONCRETE FILL SILL
Sta. 161+96-Rt.
No Scale



SIDE VIEW

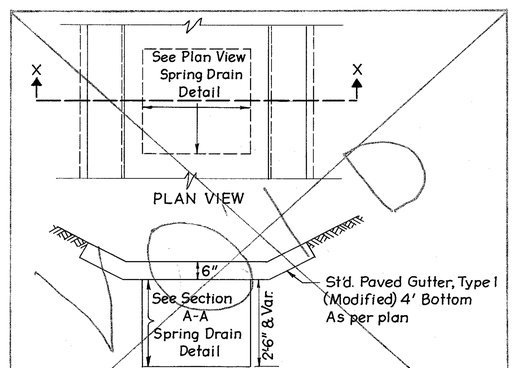


UNDERDRAIN OUTLET DETAILS



Note:
Aggregate, bituminous material, and necessary excavation for Spring Drains shall be included for payment in the price bid per lin. ft. for Item I-9 Stone Underdrain No. 1, as per plan. Spring drains shall be placed at locations designated by the engineer.
A Spring Drain Constitutes 3 Lin. Ft.
This item shall be non-performed in its entirety if no springs are encountered.

DETAIL SECTION SPRING DRAIN
Scale: 1" = 1'-0"



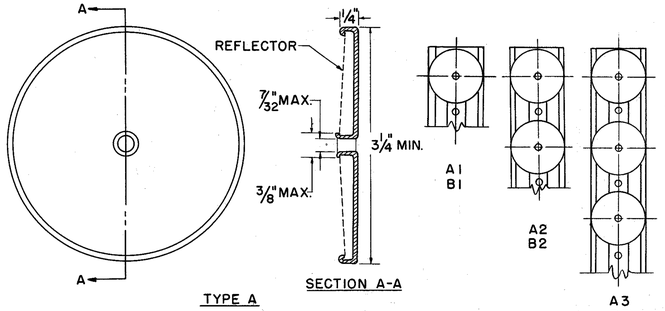
DETAIL SHOWING ST'D. PAVED GUTTER TYPE I
(MODIFIED)-4' BOTTOM OVER SPRING DRAIN
Scale ½"=1'-0"

MISCELLANEOUS DETAILS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

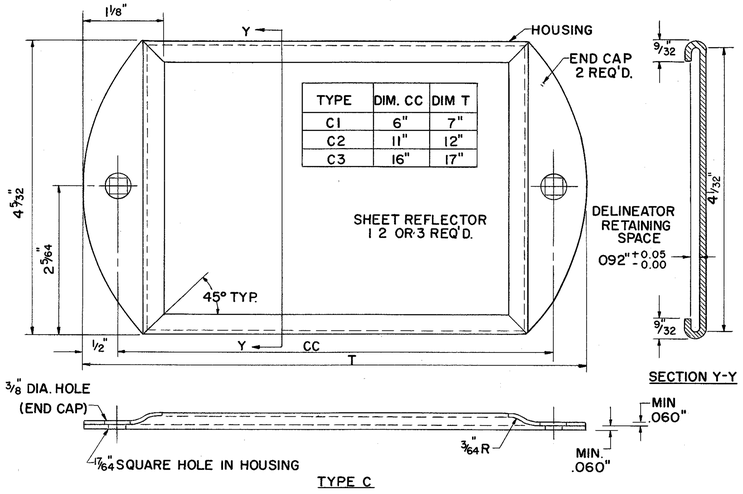
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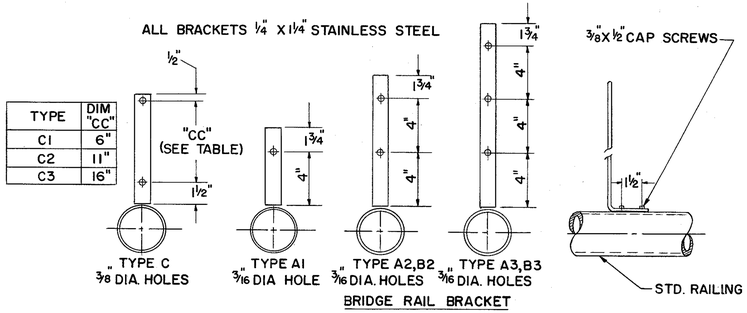
TYPE A

SECTION A-A



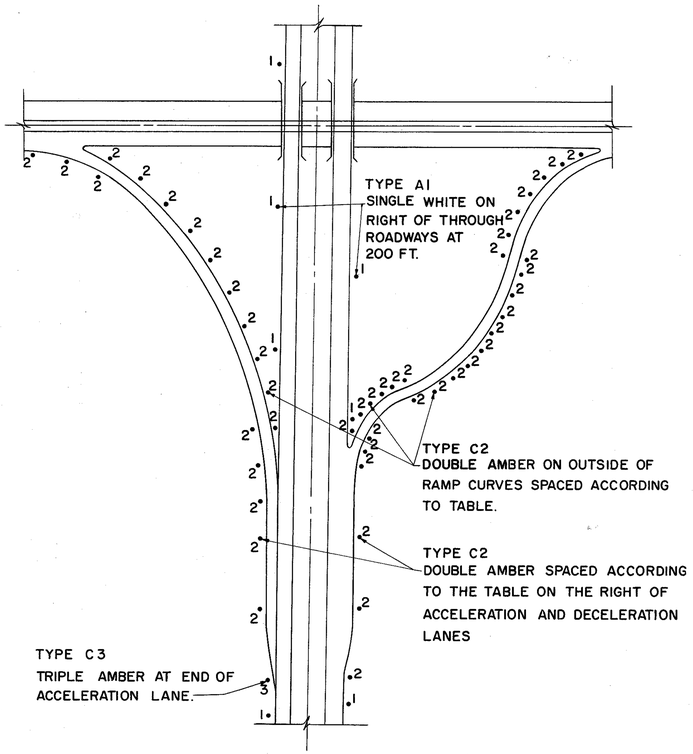
TYPE C

SECTION Y-Y

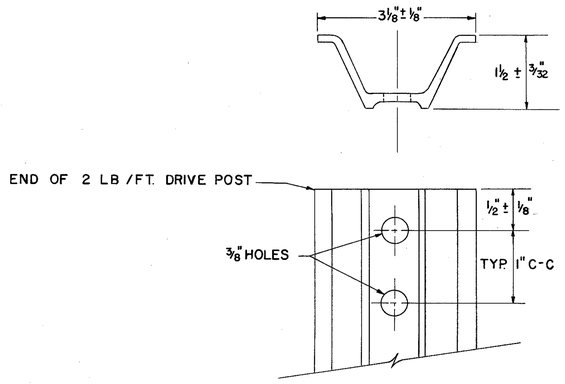


BRIDGE RAIL BRACKET

DELINEATOR TYPES



TYPICAL DELINEATOR USE



DELINEATOR POST

NOTE
STEEL DRIVE POSTS SHALL WEIGH 2.0 LB. PER FT. IN LIEU OF 1.12 LB. PER FT. SPECIFIED IN SUPPL. SPEC. No. 1-127 REVISED SEPT. 30, 1959

DELINEATOR SPACING ON HORIZONTAL CURVES

RADII, FT. FROM	RADII, FT. TO	SPACING ON CURVE	SPACING 1 SPACE
10,000	2,500	100'	100'
2,450	1,900	90'	100'
1,850	1,500	80'	100'
1,450	1,100	70'	100'
1,050	800	60'	100'
750	600	50'	80'
550	350	40'	70'
325	——	30'	60'

* FIRST SPACE IN ADVANCE AND BEYOND CURVE.

DELINEATOR DETAILS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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HEADWALL DIMENSIONS

Station	Skew Δ	Pipe Size	H	W	A	D	E	M	N
161+86	6° R.F.	84"	8'-6"	6'-0"	2'-3"	18'-0"	14'-6"	9'-8"	6"
311+15	30° L.F.	48"	5'-3"	4'-6"	1'-5"	10'-10"	10'-2"	6'-0"	1'-4"
337+50	20° R.F.	36"	4'-0"	3'-6"	1'-0"	9'-0"	6'-7"	5'-4"	6"
352+67	32° L.F.	42"	4'-7"	4'-0"	1'-3"	7'-10"	8'-0"	3'-7"	1'-2"

REINFORCEMENT BAR SCHEDULE

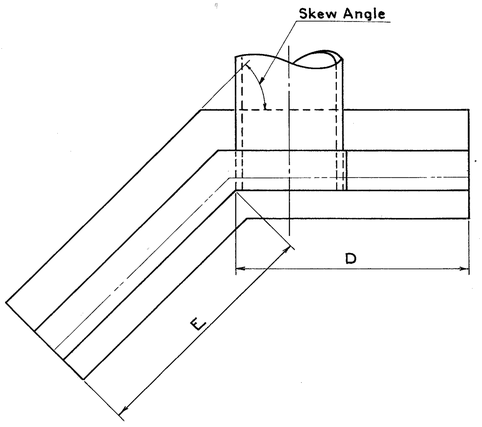
a		b		c		e		f		g		h		k		m		n		p		q		r		s		t		u	
No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
12	13'-4"	6	10'-7"	6	15'-11"	6	14'-4"	12	4'-1"	6	14'-5"	2	17'-10"	2	17'-11"	10	9'-8"	5	14'-4"	3	19'-4"	2	19'-5"	7	12'-10" to 12'-0"	3	10'-4" to 10'-8"	1	17'-10"	1	18'-1"
8	9'-3"	5	7'-3"	6	11'-7"	3	10'-0"	8	4'-1"	3	10'-6"	2	10'-11"	2	11'-5"	4	5'-10"	5	10'-0"	3	11'-5"	2	12'-1"	4	9'-0" to 8'-0"	2	6'-9" to 6'-0"	1	10'-10"	1	11'-4"
6	7'-8"	4	6'-1"	6	8'-0"	2	6'-5"	6	4'-1"	2	6'-9"	2	8'-11"	2	9'-3"	4	5'-2"	5	6'-5"	3	10"-2"	2	10'-4"	3	7'-5" to 7'-1"	2	5'-8" to 5'-6"	1	8'-10"	1	9'-2"
7	8'-2"	5	6'-9"	6	9'-5"	2	7'-10"	6	4'-1"	2	8'-5"	2	7'-11"	2	8'-3"	4	3'-5"	5	7'-10"	3	8'-8"	2	9'-2"	2	7'-4" to 7'-11"	1	5'-7"	1	7'-10"	1	8'-4"

NOTE: The "a" & "r" bars for headwalls at Sta. 161+86 to be #7 bars

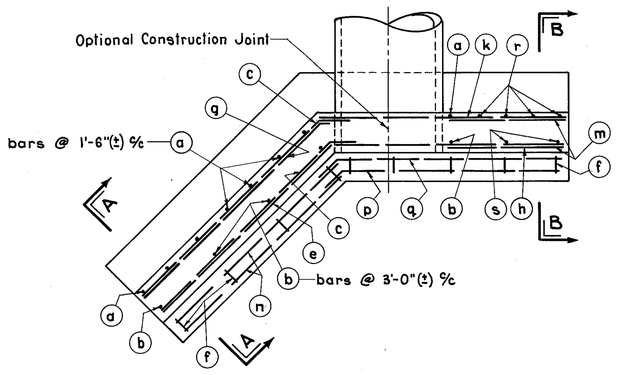
QUANTITIES

Reinf. Steel Weight	Concrete Cu. Yds.
1,300	28.3
543	13.3
376	7.8
386	8.9

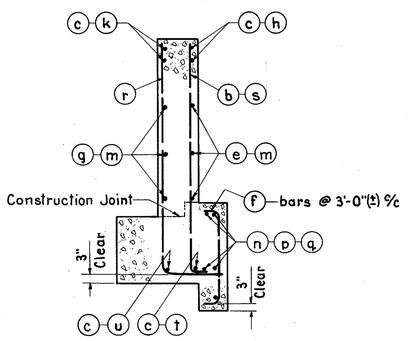
NOTE: Quantities are for one Headwall



PLAN

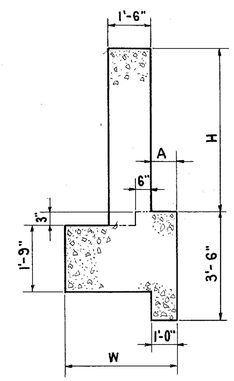


PLAN



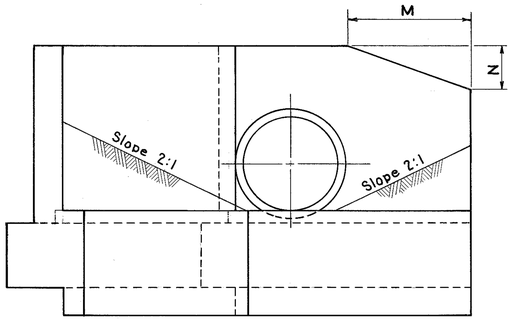
SECTION A-A & B-B

NOTE
All reinforcing bars are #5 bars except as noted.

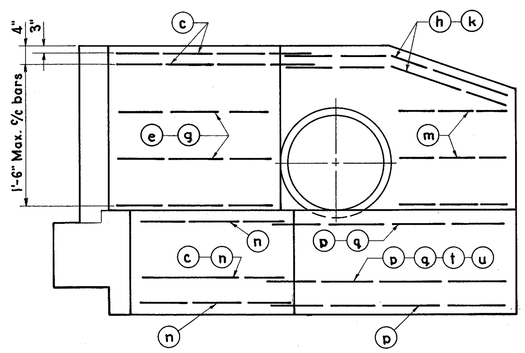


SECTION A-A & B-B

DIMENSIONS



ELEVATION



ELEVATION

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

MISCELLANEOUS DETAILS TYPE "B" HEADWALLS

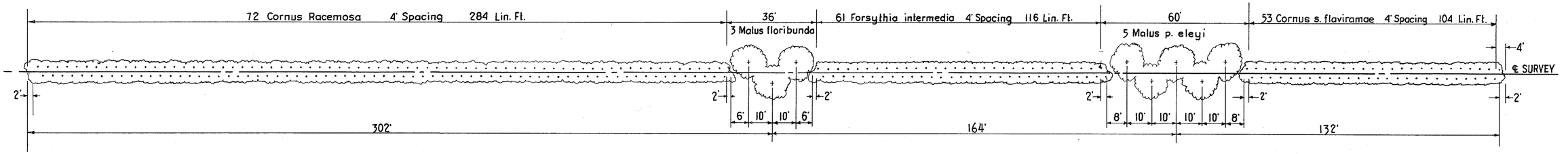
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
R.F.C.	R.F.C.		A.A		

TYPICAL MEDIAN PLANTING PLAN

FED. RD. DIVISION	STATE	PROJECT	
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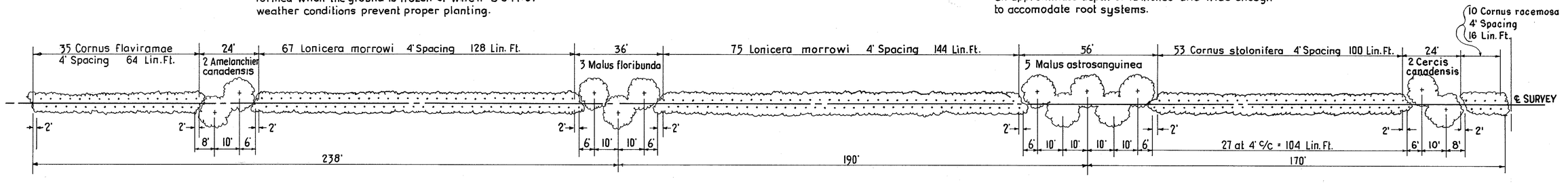
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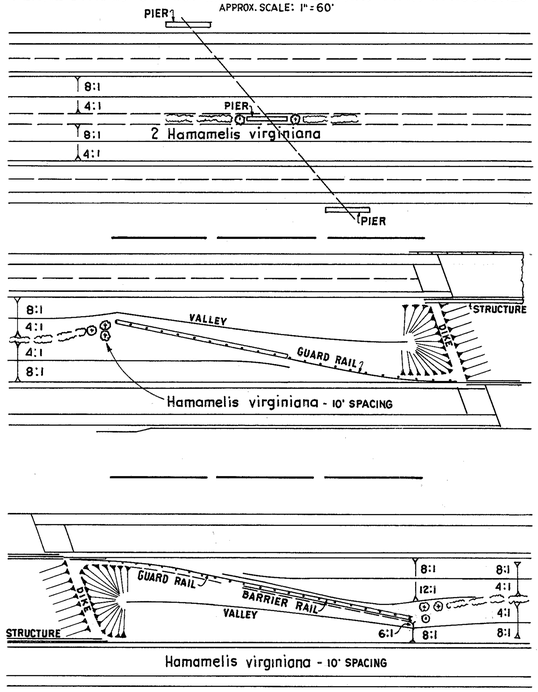


PLANTING DATES: Planting shall not be done between the dates of May 1, and October 1, and shall not be performed when the ground is frozen or when soil or weather conditions prevent proper planting.

PLANTING METHODS: In lieu of pocket hole preparation as per L-13, continuous trenching may be done to an approximate depth of 12 inches and wide enough to accomodate root systems.



4 LANE DIVIDED 84 FOOT MEDIAN AT PIERS AND TWIN STRUCTURES



SHRUBS & TREES

Item	Quan.	Description				Size
L-13	1640	Cornus racemosa (Grey Dogwood)	Or Approved Equal			2' to 3'
L-13	1220	Forsythia intermedia (Border Forsythia)	"	"	"	2' to 3'
L-13	1760	Cornus s. flaviramae (Golden Twig Dogwood)	"	"	"	2' to 3'
L-13	2840	Lonicera morrowi (Morrow Honeysuckle)	"	"	"	2' to 3'
L-13	12	Hamamelis virginiana (Witchhazel)	"	"	"	4' to 5'
L-13	1060	Cornus stolonifera (Red Osier Dogwood)	"	"	"	2' to 3'
			"	"	"	
L-14	120	Malus floribunda (Japanese Flowering Crab Apple)	"	"	"	4' to 5'
L-14	100	Malus p. eleyi (Eley Crab Apple)	"	"	"	4' to 5'
L-14	40	Amelanchier canadensis (Downy Shadblow)	"	"	"	4' to 5'
L-14	100	Malus astrosanguinea (Carmine Crab)	"	"	"	4' to 5'
L-14	40	Cercis canadensis (Bush Form Judas Tree)	"	"	"	4' to 5'

NOTES

TERMINAL MEDIAN PLANTING

UNIT NO.	BEGIN STATION	SUSPEND	REMARKS	RESUME	END STATION	HAMAMELIS VIRGINIANA (WITCH HAZEL)
1	100+00	104+30	Police Turn Around	105+30	113+00	
2	113+00				125+00	
3	125+00				137+00	
4	137+00				149+00	
5	149+00	150+35	Wise Rd. Pier	151+00	161+65	2
6	161+65				173+65	
7	173+65				185+65	
8	185+65				197+65	
9	197+65	199+75	Graybill Rd. Pier	200+35		2
		205+70	Police Turn Around	206+70	211+25	
10	211+25				223+25	
11	223+25				235+25	
12	235+25	236+75	Massillon Rd.	245+10	255+60	6
13	255+60				267+60	
14	267+60				279+60	
15	279+60				291+60	
16	291+60	292+10	Turkeyfoot Lake Rd. Pier	292+90	304+40	2
17	304+40	308+70	Police Turn Around	309+70		
		316+00 Bk.	Equation	317+00 Ah.	318+40	
18	318+40				330+40	
19	330+40				342+40	
20	342+40				354+40	

SCALE: 1" = 20'

TYPICAL MEDIAN PLANTING P

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUPERELEVATION TABLES

LEFT LANE - SOUTHBOUND								RIGHT LANE - NORTHBOUND						
Outside Edge		Center Line		Profile Grade Inside Edge		℄ Station	℄ Station	Profile Grade Inside Edge		Center Line		Outside Edge		REMARKS
Elevation	24' Lt. of ℄	Elevation	12' Lt. of ℄	Elevation	℄			℄	Elevation	12' Rt. of ℄	Elevation	24' Rt. of ℄	Elevation	
							343+40.85		1080.21		1080.40		1080.21	N.B. Begin Transition
1079.93	1:400	1080.12		1079.93		343+78.85	+50		1080.14		1080.31		1080.12	S.B. Begin Transition
1079.83		1079.97		1079.78		344+00	+85.71		1079.88		1079.76		1079.77	N.B. V.P.C.
1079.60		1079.61		1079.42		+50	344+00		1079.78		1079.62		1079.63	
1079.58		1079.58		1079.39		+54.85	+16.85		1079.67		1079.67		1079.48	1:400
1079.49		1079.30		1079.11		+92.85	+25		1079.61		1079.59		1079.40	
1079.48	1:200	1079.27	1:400	1079.06		345+00	+50		1079.46		1079.38		1079.19	
1079.42		1079.13		1078.85		+29.85	+75		1079.31		1079.16		1078.97	S.B. ℄ H.P.C.
1079.37		1079.03		1078.70		+50	+92.85		1079.22		1079.03	1:400	1078.84	
1079.26		1078.80		1078.34		346+00	345+00		1079.18		1078.97		1078.76	
1079.16		1078.60		1078.03		+42.85	+25		1079.06		1078.79		1078.52	S.B. Begin Full Superelevation 0.047'/Ft.
1079.11		1078.55		1077.98		+50	+29.85		1079.04		1078.76		1078.47	N.B. ℄ H.P.C.
1078.75		1078.19		1077.62		347+00	+50		1078.95		1078.62		1078.28	
1078.39		1077.83		1077.26		+50	+75		1078.85		1078.45		1078.06	1:200
1078.03		1077.47		1076.90		348+00	346+00		1078.77		1078.31		1077.85	S.B. V.P.C.
1077.86		1077.30		1076.73		+25	+25		1078.69		1078.17		1077.65	
1077.69		1077.13		1076.56		+50	+42.85		1078.65		1078.08		1077.52	N.B. Begin Full Superelevation 0.047'/Ft.
1077.54		1076.98		1076.41		+75	+50		1078.63		1078.06		1077.50	
1077.40		1076.84		1076.27		349+00	+75		1078.58		1078.01		1077.45	
1077.28		1076.72		1076.15		+25	+85.71		1078.56		1077.99		1077.43	N.B. V.P.I.
1077.16		1076.60		1076.03		+50	347+00		1078.54		1077.97		1077.41	
1077.06		1076.50		1075.93		+75	+25		1078.51		1077.94		1077.38	
1076.96		1076.40		1075.83		350+00	+50		1078.50		1077.93		1077.37	
1076.88		1076.32		1075.75		+25	+75		1078.49		1077.92		1077.36	
1076.81		1076.25		1075.68		+50	348+00		1078.50		1077.93		1077.37	
1076.76		1076.20		1075.63		+75	+25		1078.52		1077.95		1077.39	
1076.71		1076.15		1075.58		351+00	+50		1078.55		1077.98		1077.42	S.B. V.P.I.
1076.68		1076.12		1075.55		+25	+75		1078.59		1078.02		1077.46	
1076.65		1076.09		1075.52		+50	349+00		1078.65		1078.08		1077.52	
1076.64		1076.08		1075.51		+75	+25		1078.71		1078.14		1077.58	
1076.64		1076.08		1075.51		352+00	+50		1078.79		1078.22		1077.66	
1076.66		1076.10		1075.53		+25	+75		1078.88		1078.31		1077.75	
1076.68		1076.12		1075.55		+50	+85.71		1078.92		1078.35		1077.79	N.B. V.P.T.
1076.72		1076.16		1075.59		+75	350+00		1078.98		1078.41		1077.85	
1076.76		1078.20		1075.63		353+00	+50		1079.18		1078.61		1078.05	
1076.82		1076.26		1075.69		+25	351+00		1079.38		1078.81		1078.25	
1076.89		1076.33		1075.76		+50	+50		1079.58		1079.01		1078.45	
1076.98		1076.42		1075.85		+75	352+00		1079.78		1079.21		1078.65	
1077.07		1076.51		1075.94		354+00	+50		1079.98		1079.41		1078.85	S.B. V.P.T.
1077.27		1076.71		1076.14		+50	353+00		1080.18		1079.61		1079.05	
1077.47		1076.91		1076.34		355+00	+50		1080.38		1079.81		1079.25	End Project S.B.
1077.67		1077.11		1076.54		+50	354+00		1080.58		1080.01		1079.45	
1077.87		1077.31		1076.74		356+00	+50		1080.78		1080.21		1079.65	
1078.07		1077.51		1076.94		+50	355+00		1080.98		1080.41		1079.85	End Project N.B.
1078.27		1077.71		1077.14		357+00	+50		1081.18		1080.61		1080.05	
							356+00		1081.38		1080.81		1080.25	
							+50		1081.58		1081.01		1080.45	
	24' Lt. of ℄		12' Lt. of ℄		℄		357+00	℄	1081.78	12' Rt. of ℄	1081.21	24' Rt. of ℄	1080.65	

SUPERELEVATION TABLES — RAMPS

FED. RD. DIVISION	STATE	PROJECT	
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RAMP J

P.G. at Left Edge Elevation	Station	Right Edge Dist.	Right Edge Elevation	REMARKS
1189.65	8 + 00	16.00	1189.90	Normal Crown 0.0156'/Ft.
1189.01	+25		1189.26	
1188.34	+48.52		1188.60	End N.C. 0.0156'/Ft.
1188.30	+50		1188.57	V.P.T.
1188.01	+60		1188.32	V.P.C.
1187.58	+75		1187.96	1:200
1186.98	+98.52		1187.48	H.P.C.
1186.95	9 +00		1187.46	
1186.40	+25		1187.03	
1186.26	+32.52		1186.92	Begin F.S. 0.0417'/Ft.
1185.96	+50		1186.63	
1185.87	+55.03		1186.53	End F.S. 0.0417'Ft.
1185.80	+60		1186.45	V.P.I.
1185.59	+75		1186.16	1:200
1185.43	+89.03	16.00	1185.93	H.P.T.
See Intersection Detail Sheet No. 198				

RAMP K

Widening Lt. Elevation	Widening Lt. Dist.	P.G. at Base Line Elevation	Station	Right Edge Dist.	Right Edge Elevation	REMARKS
See Intersection Detail Sheet No. 198						
1186.87	8.00	1186.54	1 +50	16.00	1185.87	V.P.I. F.S. 0.0417'/Ft.
1187.44		1187.11	+75		1186.44	
1188.12		1187.79	2 +00		1187.12	
1188.41		1188.08	+09.44		1187.41	End F.S. 0.0417'/Ft.
1188.88		1188.58	+25		1187.94	
1189.49	8.00	1189.23	+43.44		1188.63	H.P.T.
1189.72	7.56	1189.48	+50		1188.90	V.P.T.
1191.52	4.23	1191.38	3 +00		1190.90	0.00214'/Ft.
1193.31	0.90	1193.28	+50		1192.91	
1193.79	0.00	1193.79	+63.44		1193.45	
		P.G. at Left Edge				
		1195.18	4 +00		1194.93	
		1197.08	+50		1196.95	
		1198.98	5 +00		1198.97	
		1199.13	+03.94		1199.13	
		1200.88	+50		1200.99	V.P.C.
		1201.80	+75		1201.97	
		1202.67	6 +00		1202.90	0.00242'/Ft.
		1203.48	+25		1203.77	
		1204.23	+50		1204.58	
		1204.93	+75		1205.35	
		1205.58	7 +00		1206.05	
		1206.16	+25		1206.69	
		1206.70	+50		1207.30	
		1207.17	+75		1207.84	V.P.I.
		1207.33	+84.08		1208.01	H.P.C.
		1207.60	8 +00		1208.32	
		1207.95	+25		1208.73	
		1207.97	+26.08		1208.75	Begin F.S. 0.049'/Ft.
		1208.27	+50		1209.05	
		1208.52	+75	16.00	1209.30	
		1208.69	+96	16.00	1209.47	
		1208.71	9 +00	16.08	1209.41	
		1208.86	+25	16.58	1209.64	End F.S. 0.049'/Ft.
		1208.95	+50	17.08	1209.70	Variable
		1208.97	+75	17.58	1209.67	
		1208.97	+75.75	17.60	1209.67	P.C.C.
		1208.96	+96	18.00Bk. 23.00Ah.	1209.61 1209.79	
		1208.95	10 +00	23.0	1209.78	V.P.T.
		1208.84	+50	21.5	1209.64	
		1208.74	11 +00	20.5	1209.49	0.00286'/Ft.
		1208.63	+50	20.1	1209.35	
		1208.54	+92	20.0	1209.23	
		1208.52	12 +00	Controlled By S.B.	Controlled By S.B.	
		1208.42	+50			
		1208.31	13 +00			
		1208.21	+50			
		1208.10	14 +00			
		1208.01	+42.42			

RAMP L

Left Edge Elevation	Left Edge Dist.	Station	P.G. at Right Edge Elevation	REMARKS
See Intersection Detail Sheet No. 198				
1201.90	16.00	1 +50	1201.83	Normal Crown 0.0156'/Ft.
1202.35		+75	1202.17	
1202.61		+86.56	1202.36	End Normal Crown
1202.92		2 +00	1202.60	
1203.58		+25	1203.14	
1203.87		+35	1203.38	V.P.T.
1204.32		+50	1203.75	1:200
1205.82		3 +00	1205.00	
1206.91		+36.56	1205.91	Begin F.S. 0.0625'/Ft.
1207.25		+50	1206.25	
1208.50		4 +00	1207.50	
1209.75		+50	1208.75	
1210.37		+75	1209.37	V.P.C.
1210.97		5 +00	1209.97	
1211.50		+25	1210.50	
1211.98		+50	1210.98	
1212.40		+75	1211.40	
1212.63		+90.60	1211.63	End F.S. 0.0625'/Ft.
1212.71		6 +00	1211.76	
1212.88		+25	1212.05	V.P.I.
1212.99		+50	1212.29	1:200
1213.06		+75	1212.48	
1213.04		7 +00	1212.59	
1212.98		+25	1212.65	
1212.91	16.00	+40.60	1212.66	Begin N.C. 0.0156'/Ft.

RAMP M

Left Edge Elevation	Left Edge Dist.	Station	P.G. at Right Edge Elevation	REMARKS
Controlled By N.B.	Controlled By N.B.	0 +00	1190.46	
		+50	1191.49	
		1 +00	1192.53	
		+50	1193.56	
		2 +00	1194.59	
1196.16	20.0	+50	1195.63	
1197.20	20.1	3 +00	1196.66	0.02087'/Ft.
1198.25	20.6	+50	1197.69	
1199.29	21.7	4 +00	1198.72	
1200.25 1200.12	23.00Bk. 18.00Ah.	+46	1199.67	
1200.21	17.92	+50	1199.76	
1200.55	17.59	+66.67	1200.10	H.P.T. & T.S.
1201.36	16.92	5 +00	1200.79	
1201.97	16.42	+25	1201.31	V.P.C.
1202.46	16.00	+46	1201.72	0.03667'/Ft.
1202.55		+50	1201.79	
1203.08		+75	1202.23	
1203.55		6 +00	1202.61	
1203.83		+16.67	1202.83	S.C. Begin F.S. 0.0625'/Ft.
1203.92		+25	1202.92	
1204.19		+50	1203.19	
1204.41		+75	1203.41	
1204.55		7 +00	1203.55	V.P.I.
1204.66		+25	1203.66	
1204.69		+50	1203.69	
1204.68		+75	1203.68	
1204.62		8 +00	1203.62	
1204.49		+25	1203.49	
1204.31		+50	1203.31	
1204.07		+75	1203.07	V.P.T.
1203.90		+91.67	1202.90	C.S. End F.S. 0.0625'/Ft.
1203.77		9 +00	1202.81	
1202.99		+50	1202.28	
1202.22		10 +00	1201.76	
1201.57		+41.67	1201.32	S.T.
1201.44		+50	1201.23	1:200
1200.79		+91.67	1200.79	
1200.66		11 +00	1200.70	
1199.88		+50	1200.17	
1199.21		+93.26	1199.72	H.P.C.
1199.11		12 +00	1199.65	V.P.C.
1198.76		+25	1199.43	
1198.75		+25.67	1199.42	Begin F.S. 0.0417'/Ft.
1198.64		+50	1199.31	
1198.61		+75	1199.28	
1198.68		13 +00	1199.35	V.P.I.
1198.85		+25	1199.52	
1199.11	16.00	+50	1199.78	
See Intersection Detail Sheet No. 198				

RAMPS J, K, L & M
SUPERELEVATION TABLES

SUPERELEVATION TABLES - RAMPS

FED. RD. DIVISION	STATE	PROJECT	
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RAMP A

P.G.at Lt.Edge Elevation	Station	Right Edge Dist.	Right Edge Elevation	Remarks
1071.77	48+73.20	16.00	1072.07	T.S. Begin Trans. 0.0054'/Ft.
1071.21	49+00.00		1071.60	
1070.16	49+50.00		1070.82	
1069.12	50+00.00		1070.05	
1068.07	50+50.00	16.00	1069.27	V.P.C.

For Elevations ahead, See Intersection Detail, Sheet No. 199

RAMP C

Left Edge Elevation	Left Edge Dist.	Station	P.G.at Rt.Edge Elevation	Remarks
Controlled by Mainline		42+25.00	1080.85	H.P.C.
		42+50.00	1080.60	
		43+00.00	1080.10	
		43+50.00	1079.60	
		44+00.00	1079.10	
		44+50.00	1078.60	
1078.55	18.00	45+00.00	1078.10	F.S. 0.025'/Ft.
1078.05		45+50.00	1077.60	
1077.55		46+00.00	1077.10	
1077.05		46+50.00	1076.60	V.P.C.
1076.82		46+75.00	1076.37	
1076.63		47+00.00	1076.18	V.P.I.
1076.54	18.00	47+13.69	1076.09	C.S. Begin Trans. 0.0044'/Ft.
1076.53	17.77	47+25.00	1076.03	
1076.53	17.27	47+50.00	1075.92	V.P.T.
1076.58	16.27	48+00.00	1075.75	
1076.59	16.00	48+13.69	1075.70	
1076.62		48+50.00	1075.57	
1076.66		49+00.00	1075.39	
1076.68		49+13.69	1075.35	S.C. Begin F.S. 0.083'/Ft.
1076.55		49+50.00	1075.22	
1076.37		50+00.00	1075.04	
1076.26		50+31.78	1074.93	Begin Trans. 1:175
1076.10		50+50.00	1074.87	
1075.63		51+00.00	1074.69	
1075.16		51+50.00	1074.51	
1074.71		52+00.00	1074.34	
1074.62		52+08.72	1074.30	C.S.
1074.24		52+50.00	1074.16	
1074.11		52+64.53	1074.11	Flat
1073.78		53+00.00	1073.98	
1073.32		53+50.00	1073.81	V.P.C.
1073.24		53+58.72	1073.78	S.T.
1073.06		53+75.00	1073.69	
1072.75		54+00.00	1073.52	V.P.I.
1072.51		54+17.29	1073.38	H.P.C.
1072.38		54+25.00	1073.30	
1071.97		54+50.00	1073.03	V.P.T.
1071.14		54+97.28	1072.47	Begin F.S. 0.083'/Ft.
1071.11		55+00.00	1072.44	
1070.51		55+50.00	1071.84	
1069.91		56+00.00	1071.24	
1069.32		56+50.00	1070.65	
1068.72		57+00.00	1070.05	
1068.12		57+50.00	1069.45	
1067.53		58+00.00	1068.86	
1066.97		58+46.84	1068.30	H.P.C.C.
1066.93		58+50.00	1068.26	V.P.C.
1066.66		58+75.00	1067.99	
1066.46		59+00.00	1067.79	V.P.I.
1066.31		59+25.00	1067.64	
1066.23		59+50.00	1067.56	V.P.T.
1066.12		59+98.86	1067.45	Begin Trans. 0.005'/Ft.
1066.13		60+00.00	1067.45	
1066.26		60+50.00	1067.33	
1066.42		61+00.00	1067.23	
1066.49		61+32.86	1067.15	H.P.T.
1066.54	16.00	61+50.00	1067.11	

For Elevations Ahead, See Intersection Detail - Sheet No. 199

RAMP C C

Left Edge Elevation	Left Edge Dist.	Station	P.G.at Rt.Edge Elevation	Remarks
Controlled by Arlington St.		42+83.80	1058.77	T.S.
		43+00.00	1058.95	
		43+50.00	1059.51	
		44+00.00	1060.06	
		44+33.80	1060.44	S.C.(V.P.I. No Curve)
1061.35	18.00	44+46.00	1060.60	Begin Trans. 1:175
1061.63		44+50.00	1060.66	
1062.59		45+00.00	1061.33	
1063.66		45+40.50	1061.87	Begin F.S. 0.083'/Ft.
1063.49		45+50.00	1062.00	
1064.16		46+00.00	1062.67	
1064.83		46+50.00	1063.34	
1065.46		46+97.26	1063.97	H.P.C.C.
1065.50		47+00.00	1064.01	
1066.17		47+50.00	1064.68	
1066.47		47+72.73	1064.98	
1066.84		48+00.00	1065.35	
1067.51		48+50.00	1066.02	
1068.18		49+00.00	1066.69	
1068.85		49+50.00	1067.36	
1069.52		50+00.00	1068.03	
1070.19		50+50.00	1068.70	
1070.59		50+80.26	1069.10	H.P.C.C.
1070.86		51+00.00	1069.37	V.P.C.
1071.23		51+25.00	1069.74	
1071.70		51+50.00	1070.21	V.P.I.
1072.24		51+75.00	1070.75	
1072.87		52+00.00	1071.38	V.P.T.
1074.21		52+50.00	1072.72	
1075.54		53+00.00	1074.05	
1076.88		53+50.00	1075.39	V.P.C. Begin Var. Trans.
1077.48		53+75.00	1076.04	
1077.98		54+00.00	1076.65	V.P.I.
1078.44		54+25.00	1077.21	
1078.68		54+42.49	1077.58	C.S.
1078.80		54+50.00	1077.73	V.P.T.
1079.38	18.00	55+00.00	1078.73	
Contr. By Mainline		55+50.00	1079.28	
		56+00.00	1079.68	
		56+42.49	1079.85	

GRAYBILL ROAD

Left Edge Elev.	Left Edge Dist.	& Elevation	Station	Right Edge Dist.	Right Edge Elev.	Remarks
Existing	9.0'	1180.05	1+50	9.0'	Exist'g.	V.P.C. Begin Trans. Rt.
1179.16		1179.30	1+75		1179.20	
1178.51		1178.65	2+00		1178.61	1:400
1178.17		1178.31	2+14		1178.31	
1177.93		1178.07	2+25		1178.13	
1177.59		1177.73	2+42		1177.87	Begin Trans. Lt.
1177.41		1177.59	2+50		1177.77	
1176.89		1177.20	2+75		1177.51	
1176.47	1:200	1176.90	3+00		1177.33	1:200
1176.12		1176.68	3+25		1177.24	
1175.88		1176.56	3+50		1177.24	V.P.I.
1175.77		1176.52	3+64		1177.27	Begin F.S. 0.083'/Ft.
1175.77		1176.52	3+75		1177.27	
1175.83		1176.58	4+00		1177.33	
1175.97		1176.72	4+25		1177.47	
1176.17		1176.92	4+47.36		1177.67	H.P.T. End F.S. 0.083'/Ft.
1176.21		1176.95	4+50		1177.69	
1176.66	1:200	1177.27	4+75		1177.88	1:200
1177.20		1177.69	5+00		1178.16	
1177.82		1178.18	5+25		1178.54	
1178.53		1178.77	5+50		1179.01	V.P.T.
1179.12		1179.26	5+69.36		1179.40	Begin N.C. 0.0156'/Ft. Lt.
1179.83		1179.97	5+97.36		1179.97	
1179.90		1180.04	6+00		1180.03	
1181.16		1181.30	6+50		1181.17	1:400
1181.25	9.0'	1181.39	6+53.36	9.0'	1181.25	Begin N.C. 0.0156'/Ft. Rt.
1184.20	9.0'	1184.34	11+70	9.0'	1184.20	Begin Trans. Lt.
1184.11		1184.24	11+75		1184.10	
1183.69	1:400	1183.76	12+00		1183.62	
1183.22		1183.22	12+25		1183.08	
1183.20		1183.20	12+26		1183.06	
1183.17		1183.16	12+27.62		1183.02	H.P.C.
1182.75		1182.63	12+50		1182.49	
1182.66	1:200	1182.52	12+54		1182.38	Begin Trans. Rt.
1182.21		1181.96	12+75		1181.71	
1181.62		1181.25	13+00		1180.88	1:200
1180.39		1179.77	13+50		1179.15	V.P.T.
1179.74		1178.99	13+76		1178.24	Begin F.S. 0.083'/Ft.
1179.03		1178.28	14+00		1177.53	
1177.55		1176.80	14+50		1176.05	
1176.06		1175.31	15+00		1174.56	
1174.58		1173.83	15+50		1173.08	
1174.40		1173.65	15+56		1172.90	End F.S. 0.083'/Ft.
1172.87		1172.34	16+00		1171.81	
1171.22	1:200	1170.93	16+47.59		1170.64	1:200 H.P.T.
1171.14		1170.86	16+50		1170.58	
1170.16		1170.02	16+78		1169.88	Begin N.C. 0.0156'/Ft. Rt.
1169.40		1169.37	17+00		1169.23	
1169.19	1:400	1169.19	17+06		1169.05	
Exist'g.	9.0'	1167.83	17+50	9.0'	Existing	

RAMPS A, C, CC, & GRAYBILL ROAD
SUPERELEVATION TABLES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUPERELEVATION TABLES
ROADSIDE REST – RAMPS

RAMP R

Lt. Edge	Station	P.G. at Rt. Edge	REMARKS	Pav't. Width
	Controlled By Main Line			
1153.27	4+54.43	1152.99	Begin Transition 1:200	18.00'
1153.43	+75	1153.05	V.P.C.	17.59'
1153.62	5+00	1153.11	V.P.I.	17.09'
1153.84	+25	1153.21	V.P.T.	16.59'
1154.12	+54.43	1153.34	Begin F.S. +0.049'/Ft.	16.00'
1154.34	6+00	1153.56		
1154.53	+42	1153.75	End F.S. +0.049'/Ft. Begin Transition -1:175	
1154.52	+50	1153.79		
1154.49	+88.13	1153.97	H.P.T.	
1154.48	7+00	1154.03		
1154.43	+50	1154.26		
1154.40	+75	1154.38	V.P.C.	
1154.40	+77.75	1154.39	H.P.C.	
1154.37	8+00	1154.50	V.P.I.	
1154.35	+25	1154.62	V.P.T.	
1154.35	+28	1154.64		
1154.59	+50	1154.75		
1155.12	9+00	1155.00		
1155.36	+22.55	1155.11	H.P.T. End Transition +1:175	16.00'
For Continuation See Parking Lot Detail Sheet No. 278				

Rate of Change 0.02'/Ft.

RAMP S

Lt. Edge	Station	P.G. at Rt. Edge	REMARKS	Pav't. Width
	Continued Detail	*From Parking Lot Sheet No. 278*		
1157.84	14+16.93	1157.59		16.00'
1158.02	+50	1157.77		
1158.29	15+00	1158.04		
1158.31	+05	1158.06	Begin Transition +1:200	
1158.79	+50	1158.32		
1159.16	+84.81	1158.51	H.P.C.	
1159.31	16+00	1158.59		
1159.81	+50	1158.86		
1160.01	+67	1158.95	Begin Superelevation +.066'/Ft.	
1160.19	17+00	1159.13		
1160.46	+50	1159.40		
1160.66	+86.68	1159.60	H.C.S. End Superelevation +.066'/Ft. Begin Transition -1:185	
1160.67	18+00	1159.68		
1160.67	+50	1159.95		
1160.67	19+00	1160.22		
1160.67	+36.68	1160.42	H.S.T. End Transition -1:185	16.00'
1160.74	+50	1160.49		15.91'
1161.00	20+00	1160.76		15.58'
1161.28	+50	1161.04		15.24'
1161.53	21+00	1161.30		14.91'
1161.84	+50	1161.58		14.58'
1161.94	+75	1161.72	V.P.C.	14.41'
1162.07	22+00	1161.85	V.P.I.	14.24'
1162.20	+25	1161.98	V.P.T.	14.08'
1162.25	+36.68	1162.03		14.00'
	Controlled By Main Line			

Rate of Change 0.00667'/Ft.

RAMP U

P.G. at Lt. Edge	Station	Rt. Edge	REMARKS	Pav't. Width
	Controlled	*By Main*	*Line*	
1154.18	0+00	1154.40		14.00'
1153.96	+25	1154.13		14.17'
1153.75	+48.96	1154.08	V.P.I.	14.33'
1153.75	+50	1153.98		14.33'
1153.57	+75	1153.90		14.50'
1153.40	1+00	1153.63		14.67'
1153.27	+25	1153.50		14.83'
1153.15	+50	1153.38		15.00'
1153.06	+75	1153.30		15.17'
1152.97	2+00	1153.21		15.33'
1152.91	+25	1153.15		15.50'
1152.87	+50	1153.13		15.67'
1152.86	+75	1153.11		15.83'
1152.85	3+00	1153.10	H.T.S. Begin Transition 1:535	16.00'
1152.86	+25	1153.16		
1152.91	+50	1153.25		
1152.96	+75	1153.35		
1153.03	4+00	1153.47		
1153.13	+25	1153.61		
1153.24	+50	1153.77	H.S.C. V.P.C.C. Begin Superelevation .033'/Ft.	
1153.42	+75	1153.95		
1153.71	5+00	1154.24		
1154.11	+25	1154.64		
1154.60	+50	1155.13	V.P.I.	
1155.22	+75	1155.75		
1155.93	6+00	1156.46		
1156.74	+25	1157.29		
1157.68	+50	1158.21	V.P.T.	
1159.65	7+00	1160.18	V.P.C.	
1160.61	+25	1161.14		
1161.50	+50	1162.03		
1162.34	+75	1162.89		
1162.50	+80	1163.03	End Superelevation .033'/Ft. Begin Transition -1:200	
1163.11	8+00	1163.54		
1163.81	+25	1164.12		
1164.47	+50	1164.65	V.P.I.	
1164.66	+57.62	1164.80	H.P.T.	
1165.05	+75	1165.11		
1165.58	9+00	1165.51		
1166.04	+25	1165.85		
1166.23	+36	1165.98	End Transition -1:200	
1166.45	+50	1166.20		
1166.70	+62.53	1166.38		16.00'
	For Continuation			
	See Parking Lot Detail Sheet No. 277			

Rate of Change 0.00667'/Ft.

RAMP T

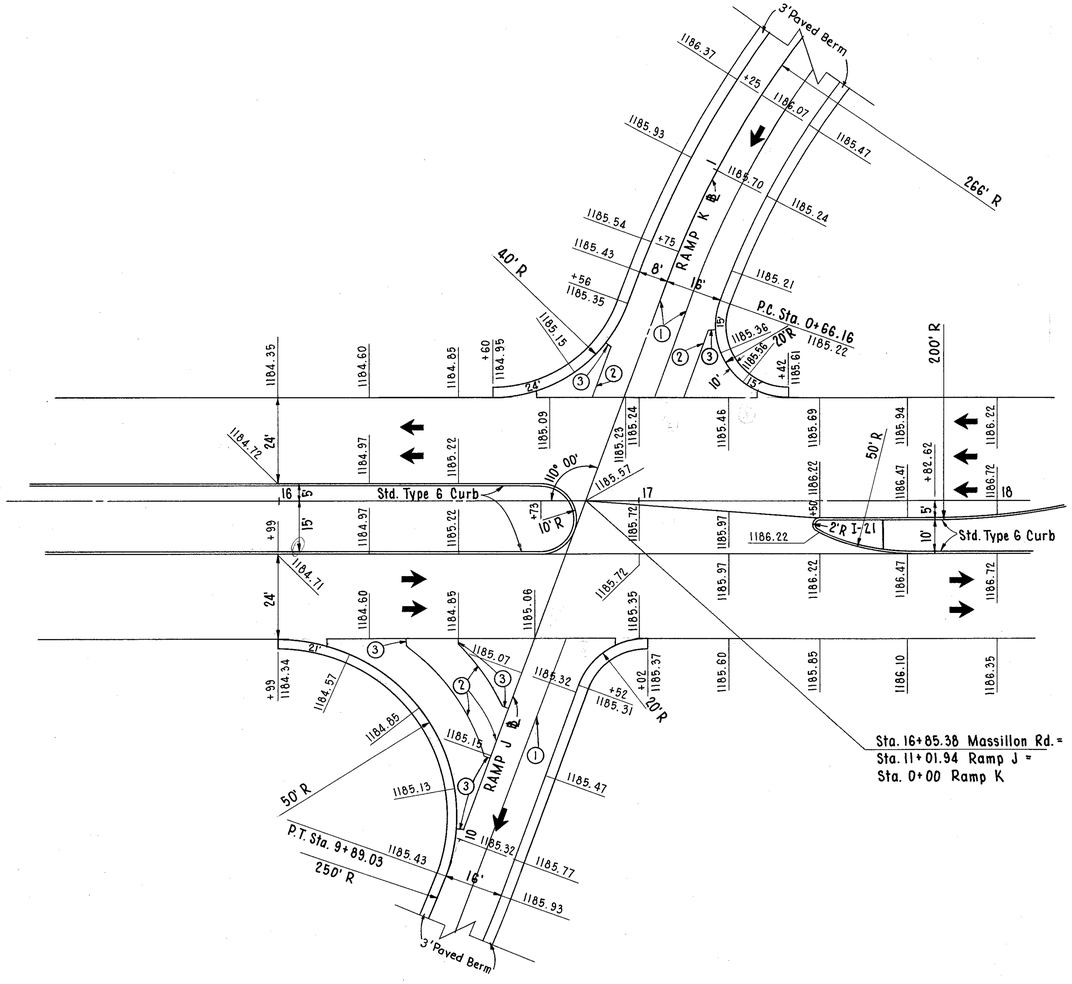
P.G. at Lt. Edge	Station	Rt. Edge	REMARKS	Pav't. Width
	Continued Detail	*From Parking Lot Sheet No. 277*		
1166.40	14+57.71	1166.15	H.P.C. Begin Transition -1:200	16.00'
1166.16	+75	1165.82		
1165.82	15+00	1165.36		
1165.41	+25	1164.83		
1165.32	+30	1164.75	V.P.I.	
1164.95	+50	1164.48		
1164.44	+75	1164.10		
1163.89	16+00	1163.68		
1163.83	+02.51	1163.63	H.P.T.	
1163.28	+25	1163.19		
1163.16	+30	1163.10	V.P.T.	
1162.64	+50	1162.68		
1162.13	+70	1162.27	V.P.C.	
1162.01	+75	1162.17		
1161.61	+92.13	1161.86	H.P.C.	
1161.44	17+00	1161.73		
1160.96	+25	1161.37		
1160.58	+50	1161.12		
1160.34	+70	1160.98	V.P.I.	
1160.29	+75	1160.95		
1160.10	18+00	1160.89		
1160.05	+13	1160.90		
1160.01	+25	1160.80		16.00'
1160.01	+50	1160.68		16.50'
1160.08	+70	1160.66	V.P.T.	16.90'
1160.10	+75	1160.65		17.00'
1160.23	19+00	1160.65		17.50'
1160.36	+25	1160.65		18.00'
1160.36	+25.83	1160.64	H.P.C.C. End Transition -1:200	18.00'
	Controlled	*By Main Line*		

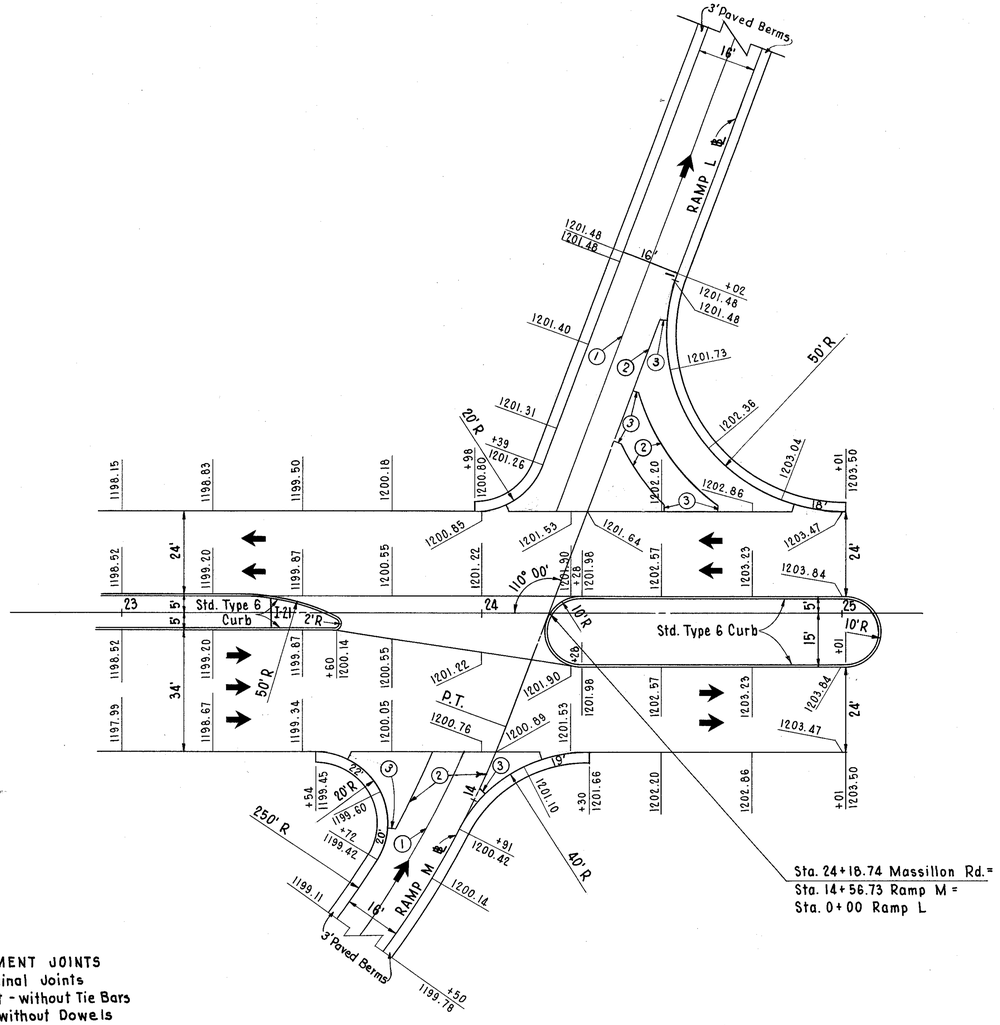
Rate of Change +0.02'/Ft.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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LEGEND FOR PAVEMENT JOINTS
(1) Standard Longitudinal Joints
(2) Standard Key Joint - without Tie Bars
(3) Expansion Joint - without Dowels

Note : Pavement Elevations at 25' intervals unless noted.

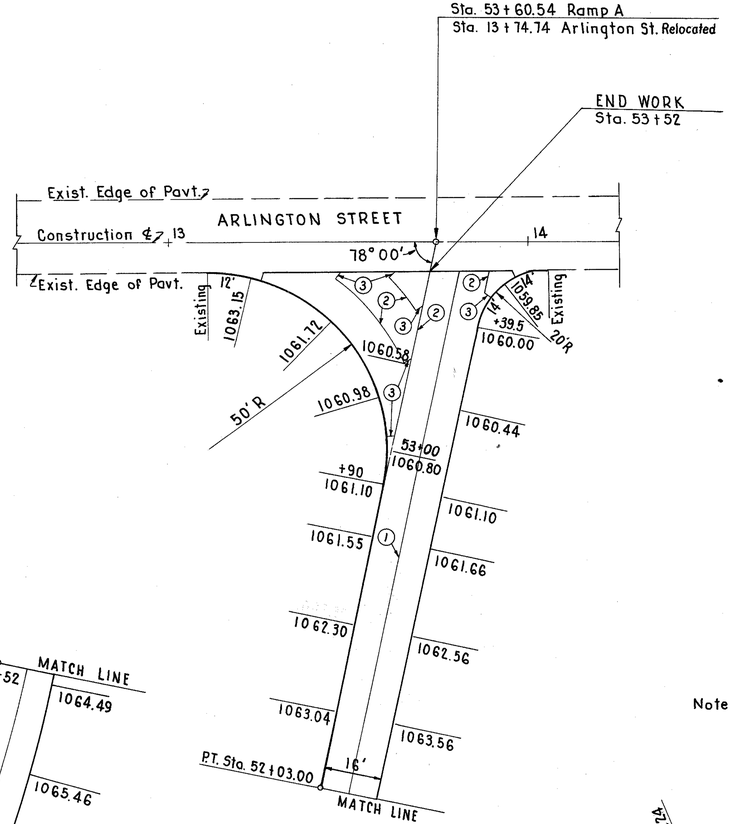
Scale : 1" = 20'

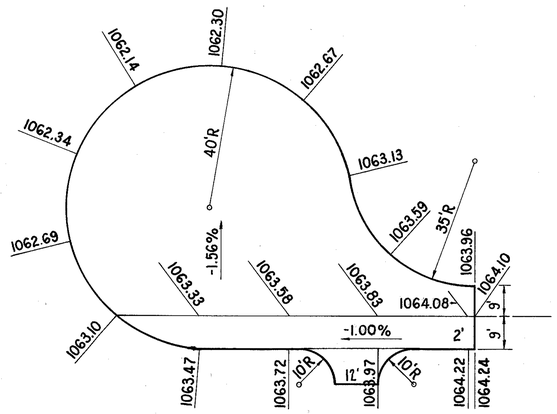
INTERSECTION DETAILS
RAMPS J, K, L & M WITH MASSILLON ROAD

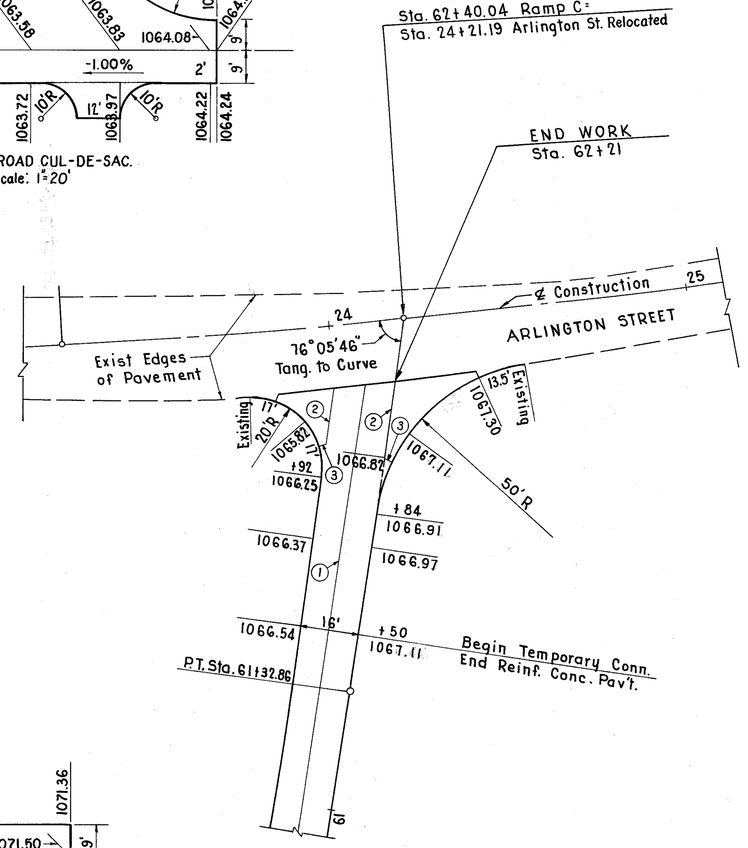
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

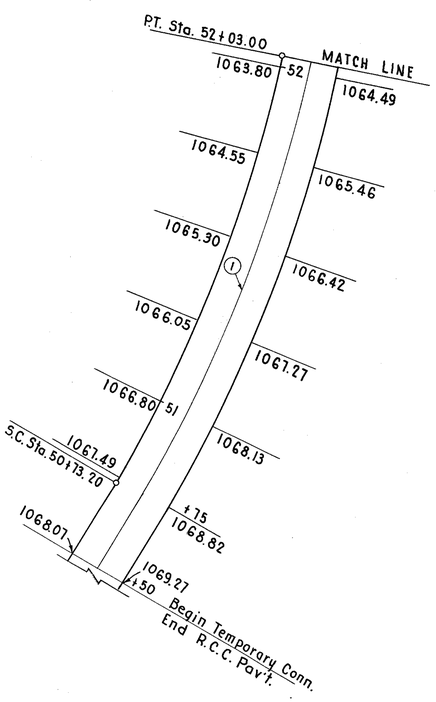
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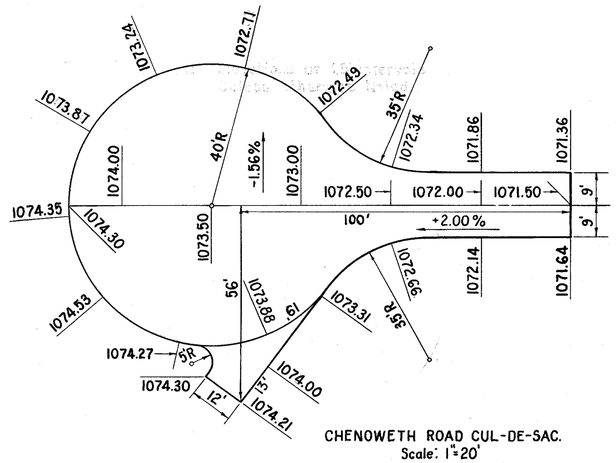






RAMP A WITH ARLINGTON STREET

Note : Elevations at 25' Intervals
Unless Otherwise Noted.



LEGEND FOR PAVEMENT JOINTS

① Standard Longitudinal Joints
② Standard Key Joint-Without Tie Bars
③ Expansion Joint-Without Dowels

Scale: 1" = 20'

INTERSECTION DETAILS
ARLINGTON STREET INTERCHANGE — RAMPS A AND C

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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Sta. 16+85.38 Massillon Rd.=
Sta. 11+01.94 Ramp J
Sta. 0+00 Ramp K

P.T. Sta. 5+33.33
P.C. Sta. 8+98.52
P.T. Sta. 9+89.03
P.C. Sta. 9+99+0.66.18
P.T. Sta. 2+43.44
P.C. Sta. 7+84.08
P.C.C. Sta. 9+75.75

RAMP J
RAMP K
RAMP M
RAMP L

Match Line 2

1190
1200
1210

233 234 235 236 237 238 239 240 242 243 ℄ I.R.77 244 245 246 247 248 249

C.S. Sta. 4+66.67
S.C. Sta. 6+16.67
C.S. Sta. 8+91.67
S.T. Sta. 10+41.67
P.C. Sta. 11+93.26
P.T. Sta. 14+22.77
T.S. Sta. 1+86.56
S.C. Sta. 3+36.56

Sta. 241+00 I.R.77 =
Sta. 19+86.08 Massillon Rd.

Sta. 24+18.74 Massillon Rd. =
Sta. 14+56.73 Ramp M
Sta. 0+00 Ramp L

MASSILLON ROAD

LEGEND
Existing Contour
Proposed Contour
Cross Section

Scale : 1" = 50'

MASSILLON ROAD INTERCHANGE – GRADING PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
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Sta. 13+74.74 Arlington St. Reloc. =
Sta. 53+60.54 Ramp A

Sta. 357+60.00 I.R. 77 =
Sta. 20+00 Arlington St. Reloc.

Sta. 24+21.19 Arlington St. Reloc. =
Sta. 62+40.04 Ramp C

S.B. P.C. Sta. 345+28.95
℄ P.C. Sta. 345+29.85
N.B. P.C. Sta. 345+30.75

RAMP A

RAMP C

RAMP C-C

ARLINGTON ST. RELOC.

17 ARLINGTON ST. (Existing)

SOUTHBOUND

NORTHBOUND

℄ I.R. 77

Match Line

Match Line 2

LEGEND

Existing Contour ——— — ———

Proposed Contour ———————

Cross Section ——·——·——

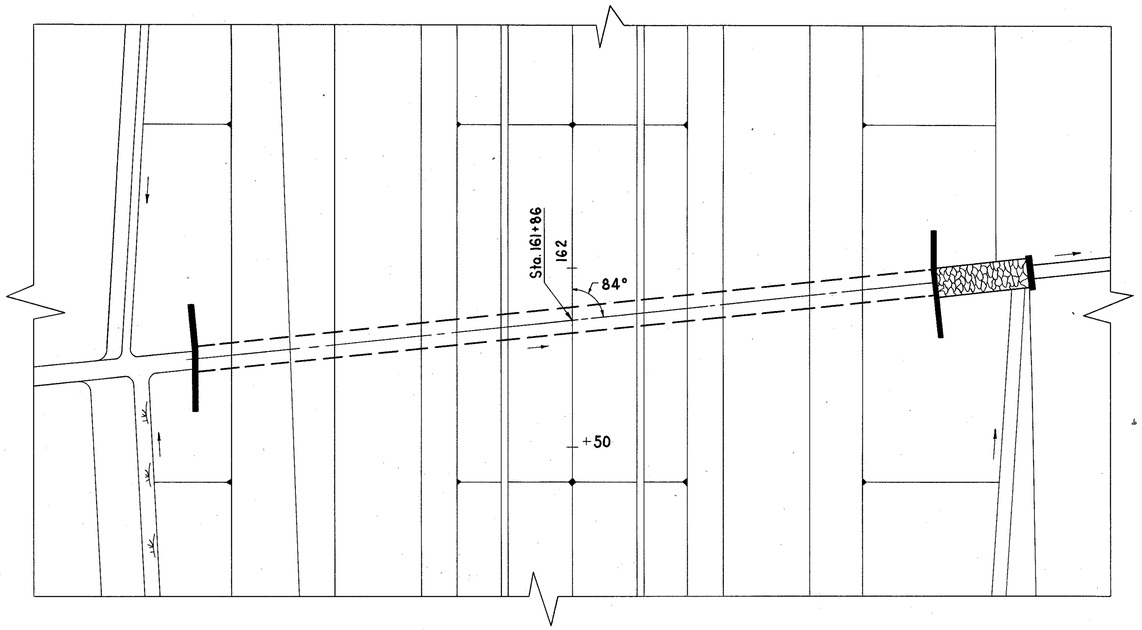
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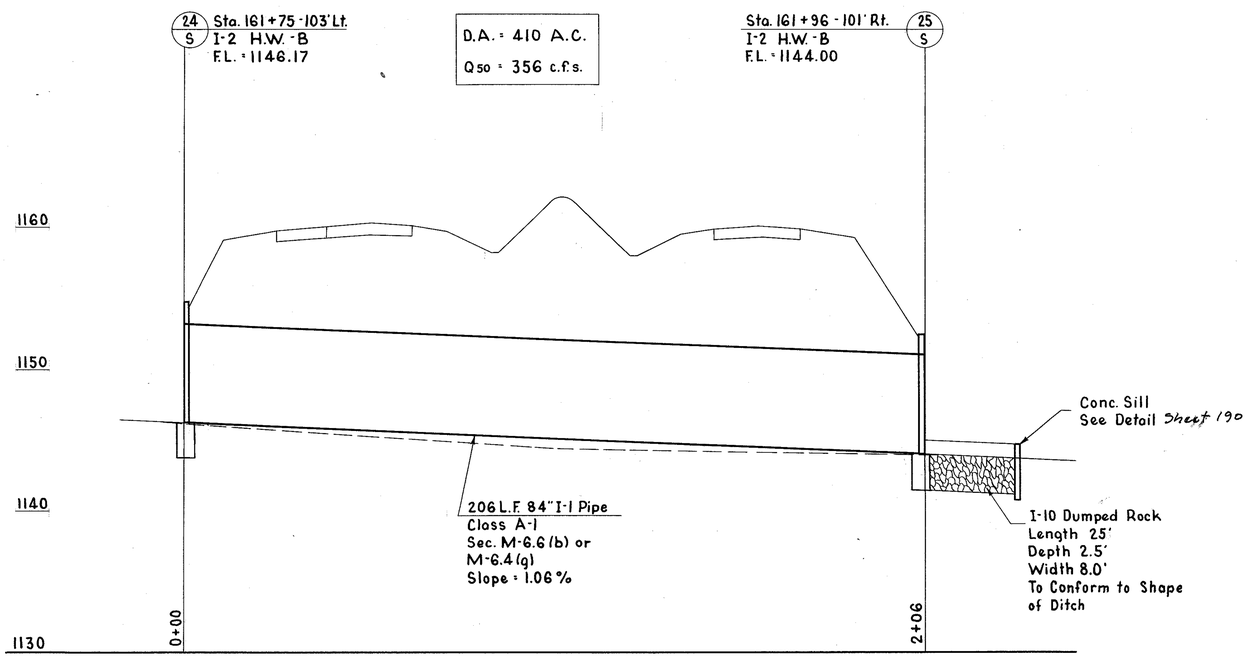
ARLINGTON ST. INTERCHANGE - GRADING PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

202

SUMMIT COUNTY
SUM.-8-1.89





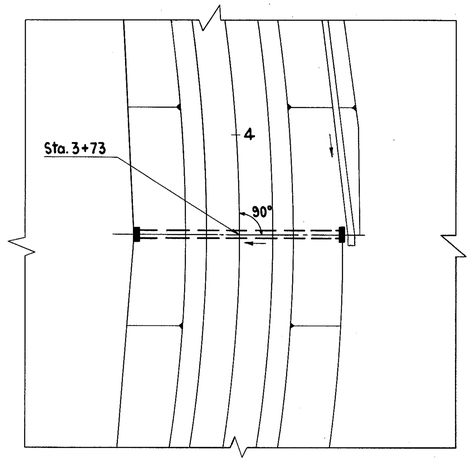
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CULVERT DETAILS

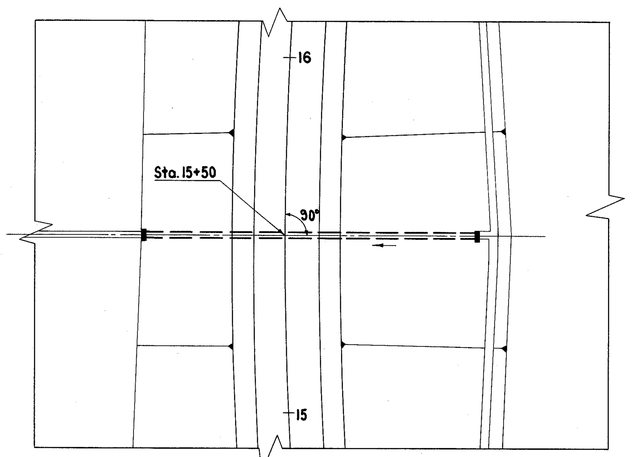
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

203

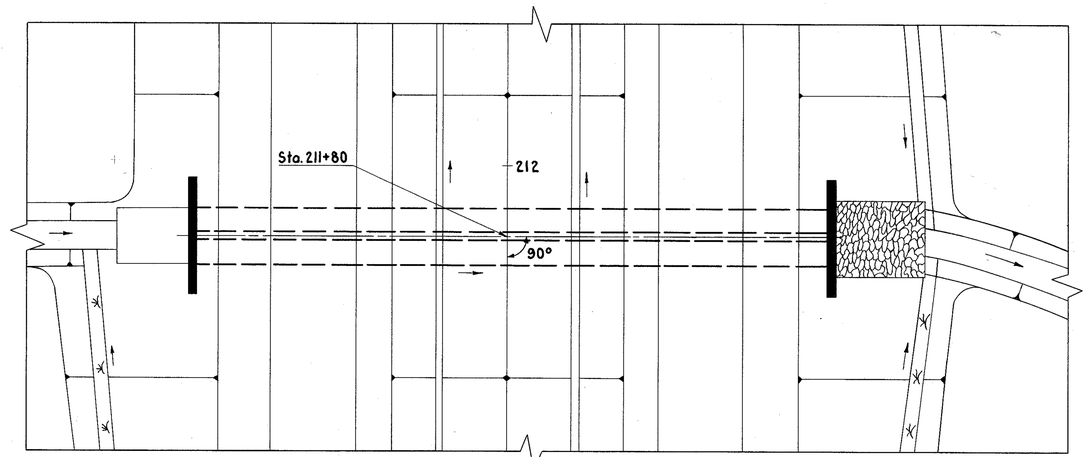
SUMMIT COUNTY
SUM-8-1.89



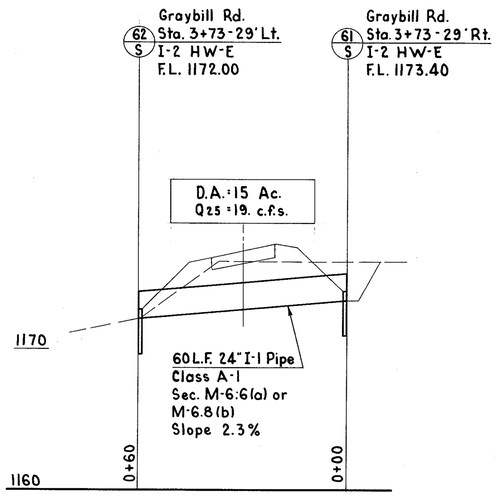
STA. 3+73 GRAYBILL ROAD

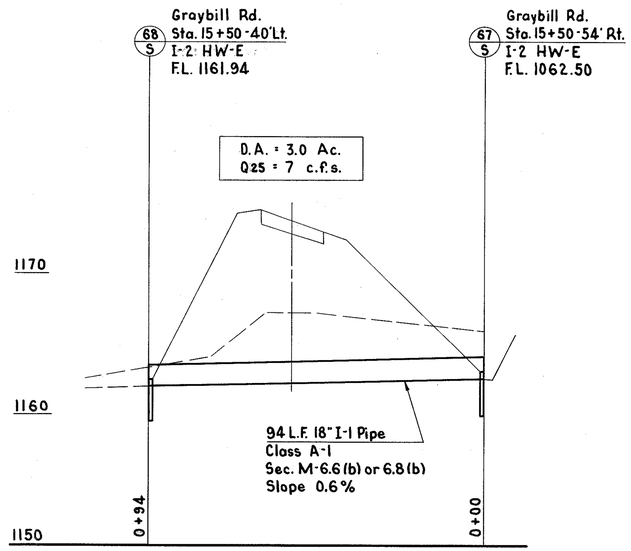


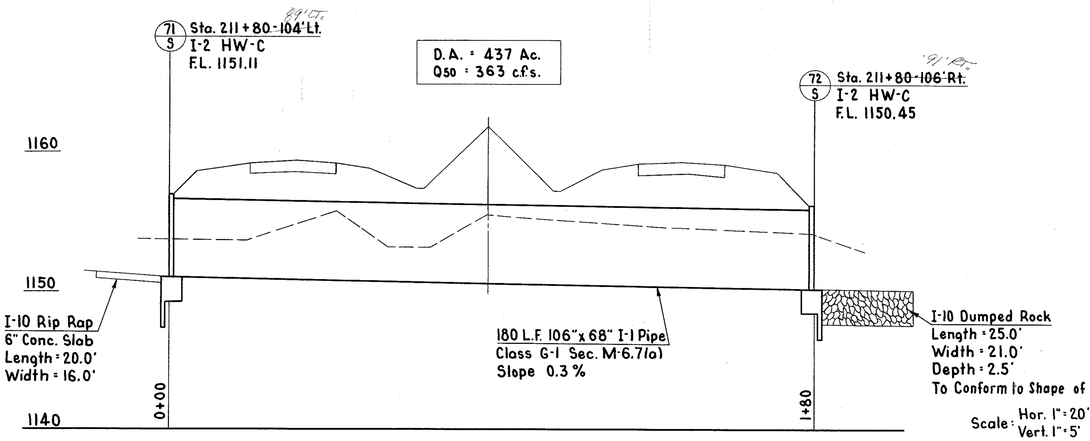
STA. 15+50 GRAYBILL ROAD



STA. 211+80 NL





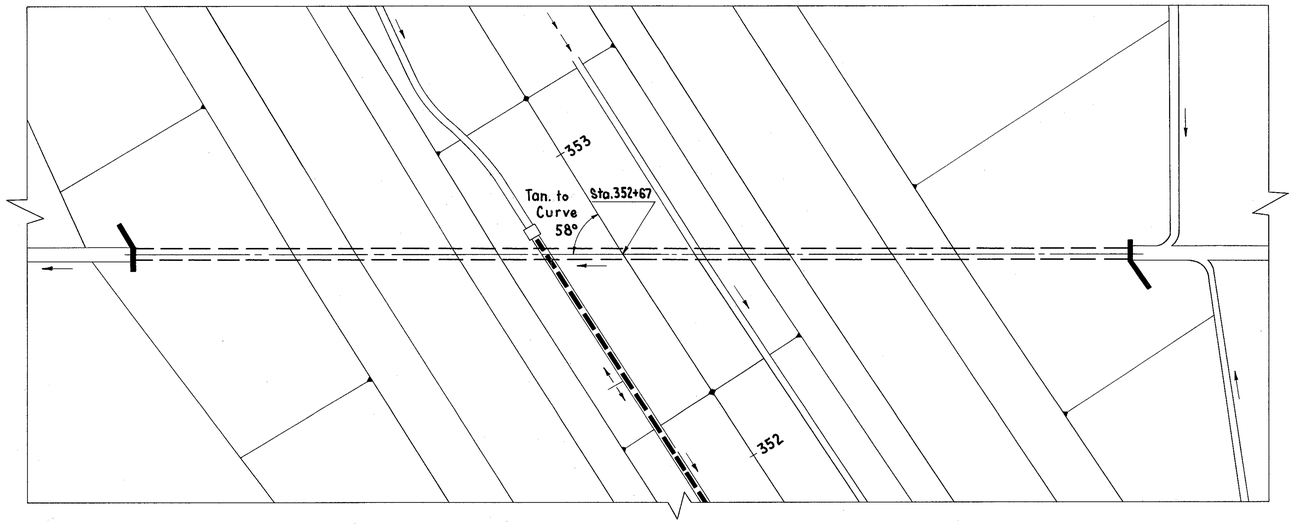


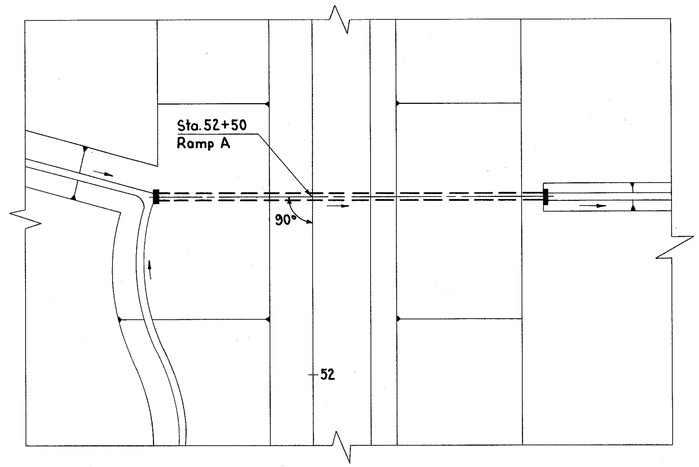
CULVERT DETAILS

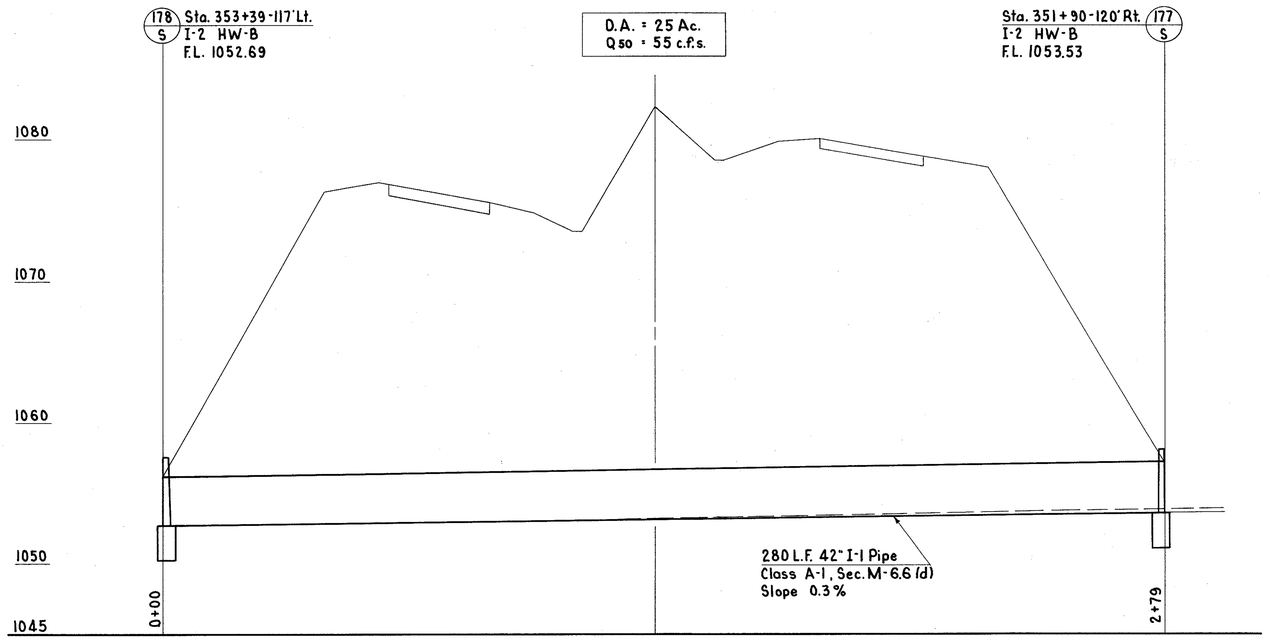
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

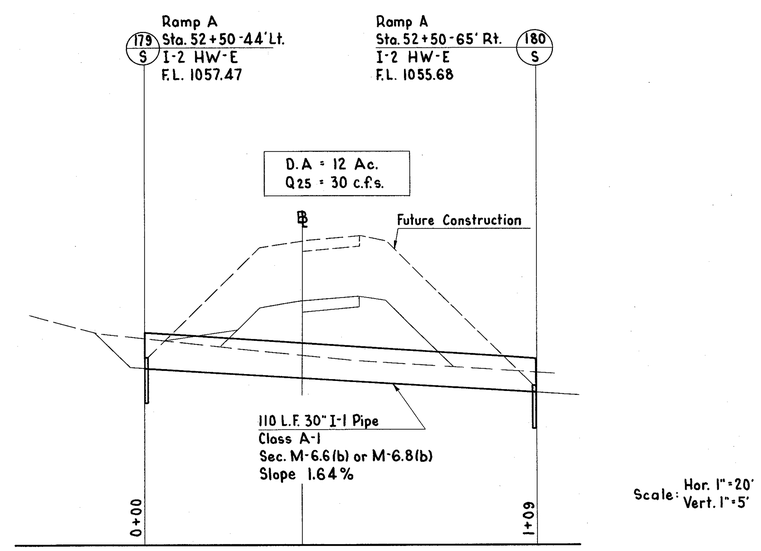
204

SUMMIT COUNTY
SUM - 8 - 1.89









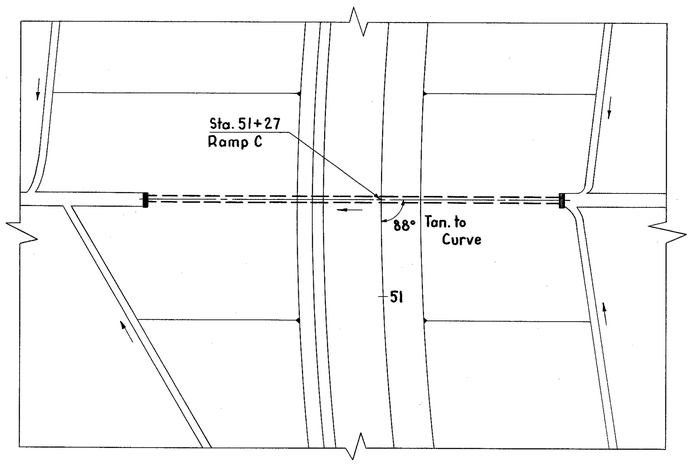
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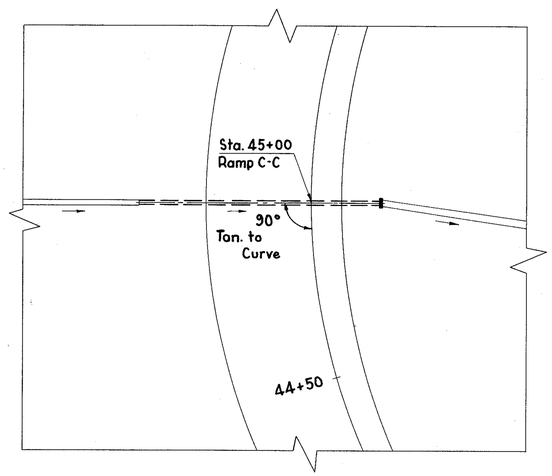
CULVERT DETAILS

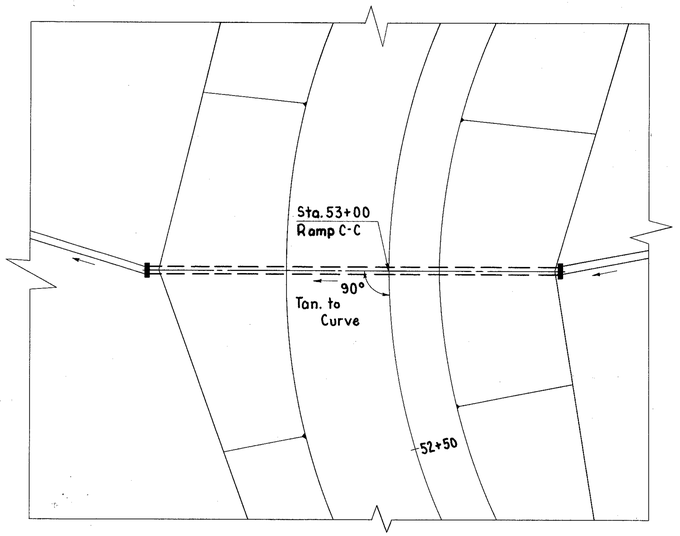
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

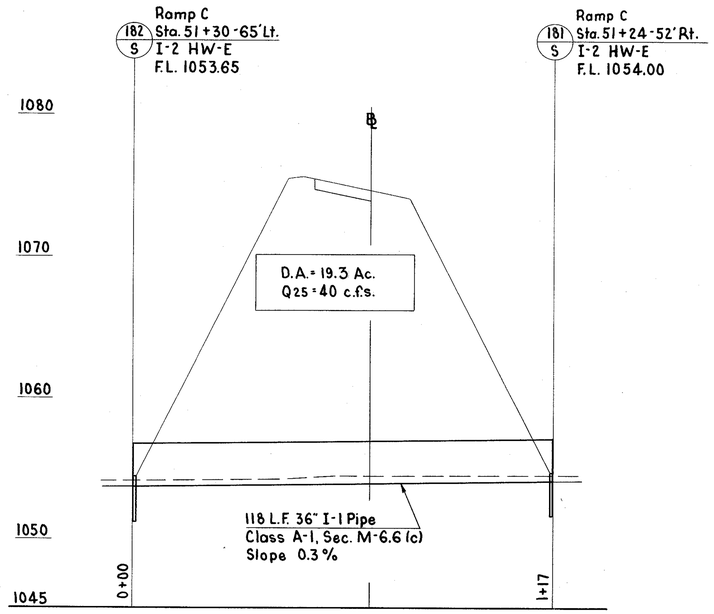
205

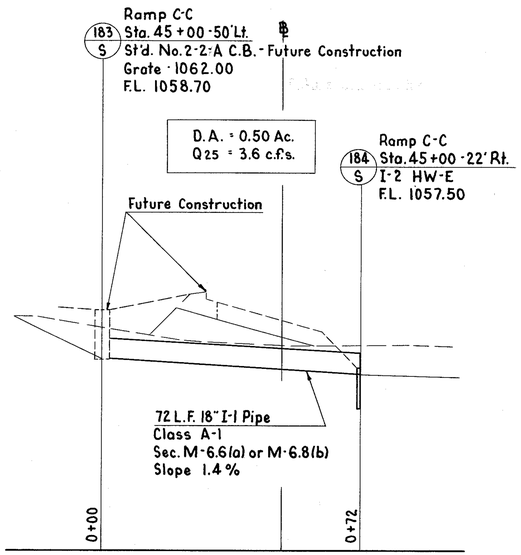
SUMMIT COUNTY
SUM - 8 - 1.89

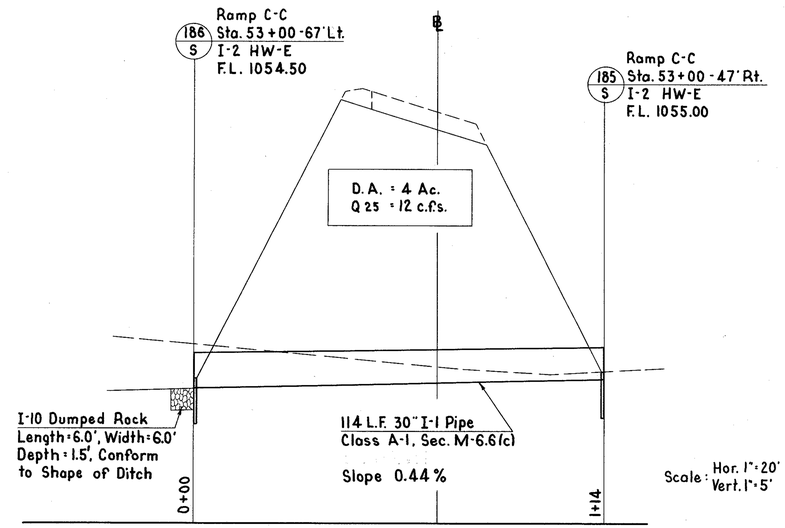










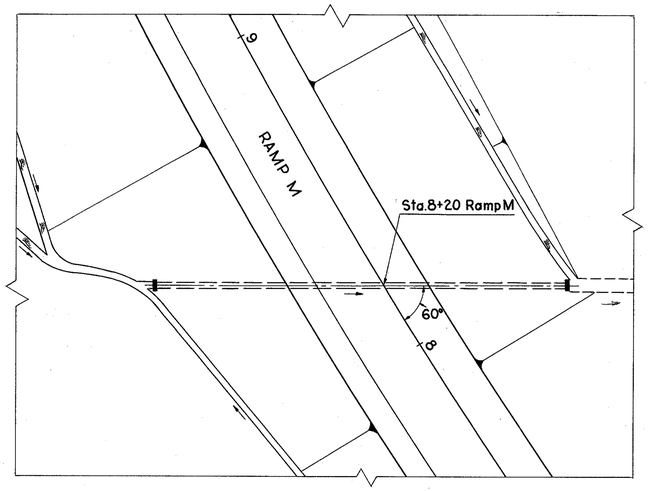


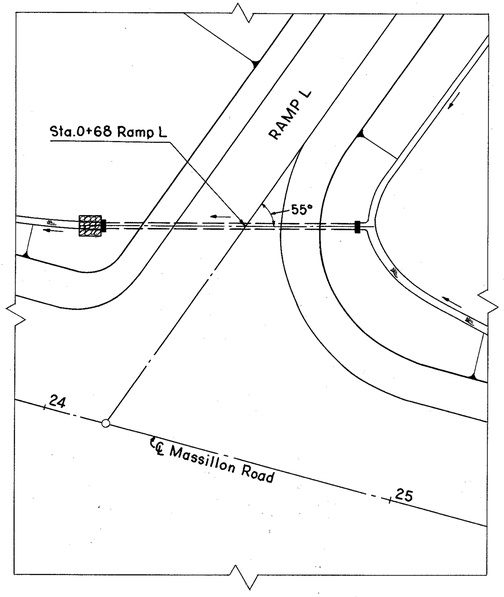
CULVERT DETAILS

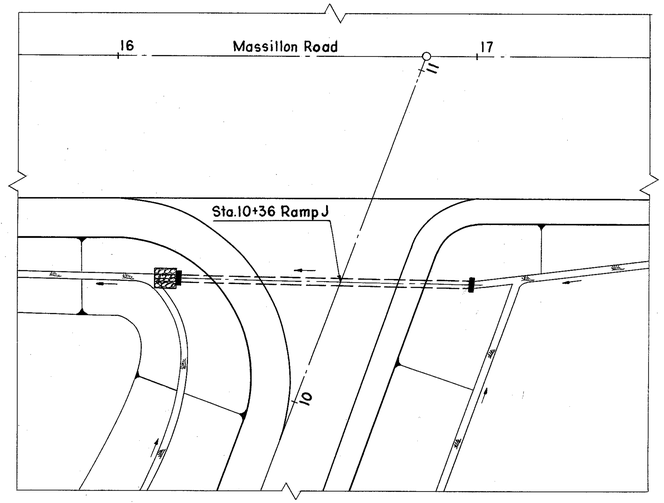
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

206

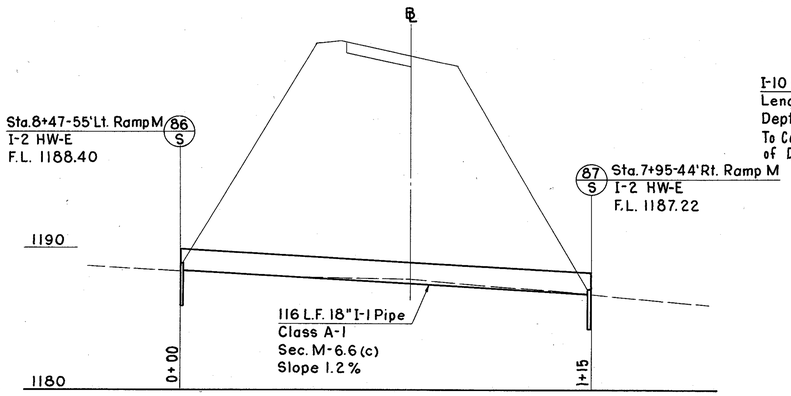
SUMMIT COUNTY
SUM-8-1.89



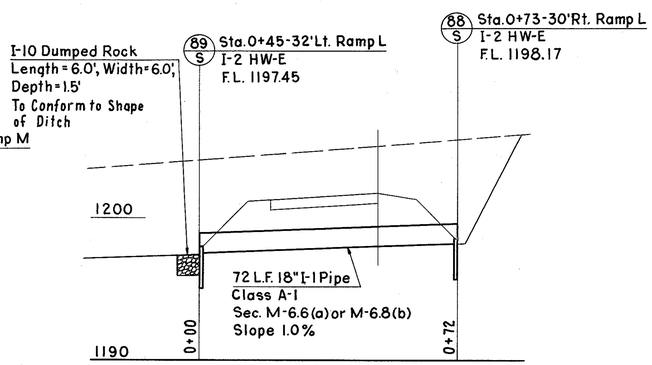




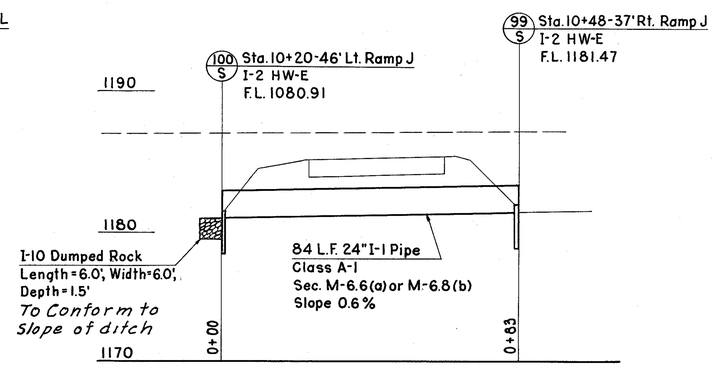
D.A. = 6.0 Ac.
Q25 = 10 c.f.s.



D.A. = 4.0 Ac.
Q25 = 10 c.f.s.



D.A. = 6.0 Ac.
Q25 = 18 c.f.s.



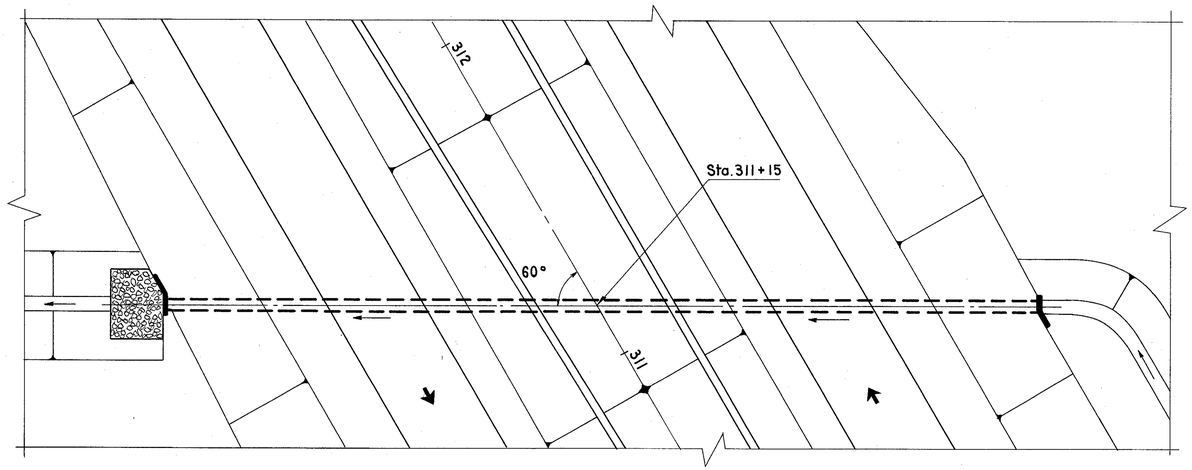
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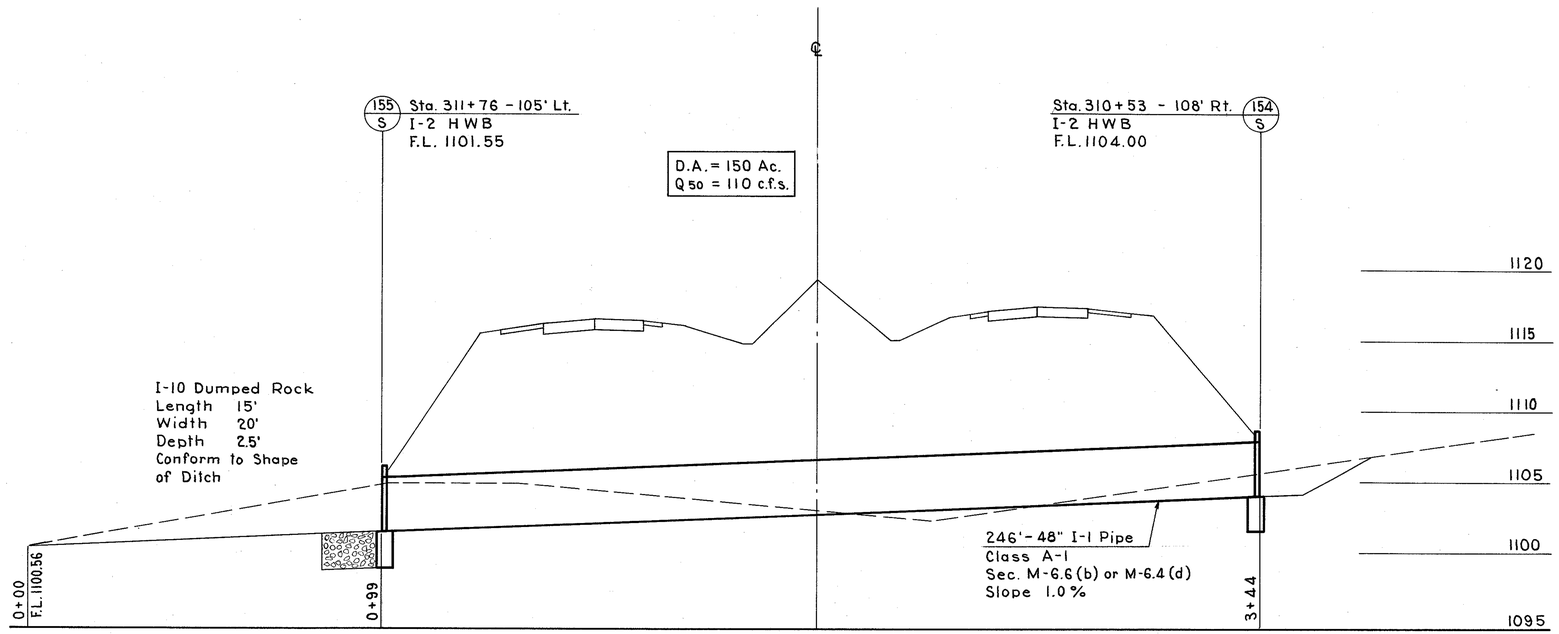
CULVERT DETAILS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

207

SUMMIT COUNTY
SUM-8-1.89





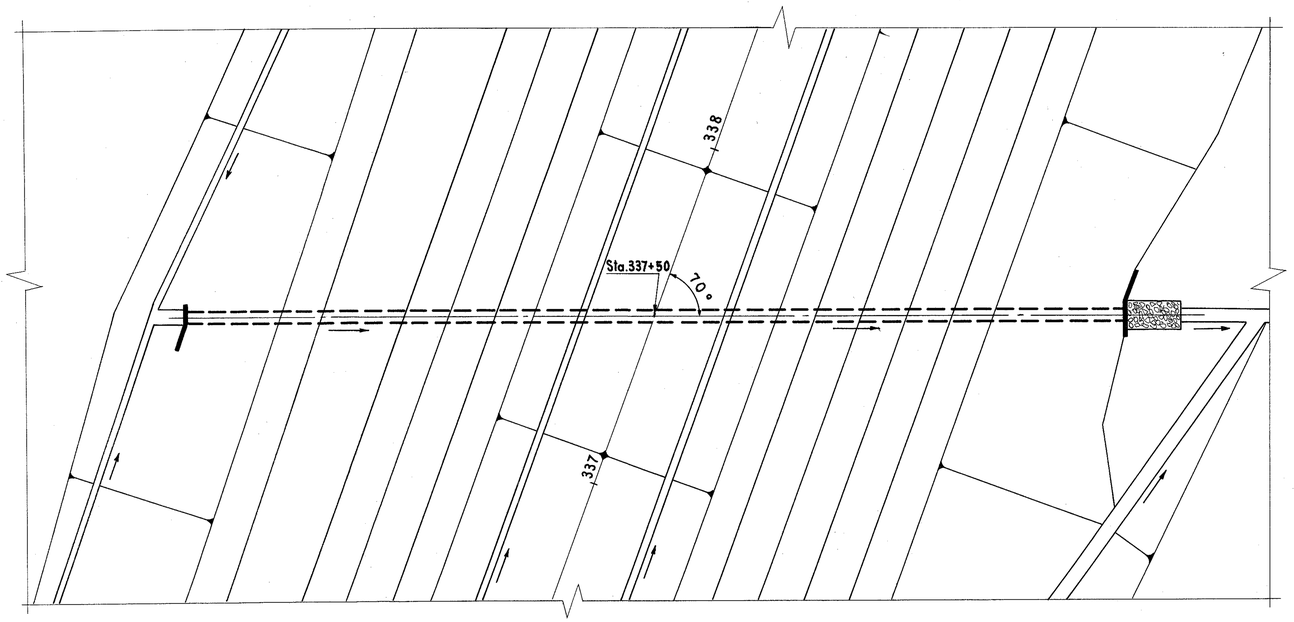
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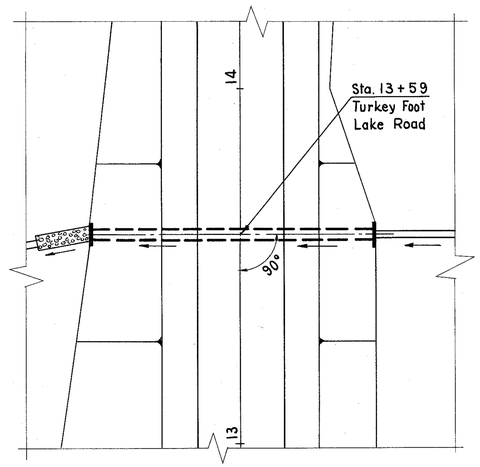
CULVERT DETAILS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

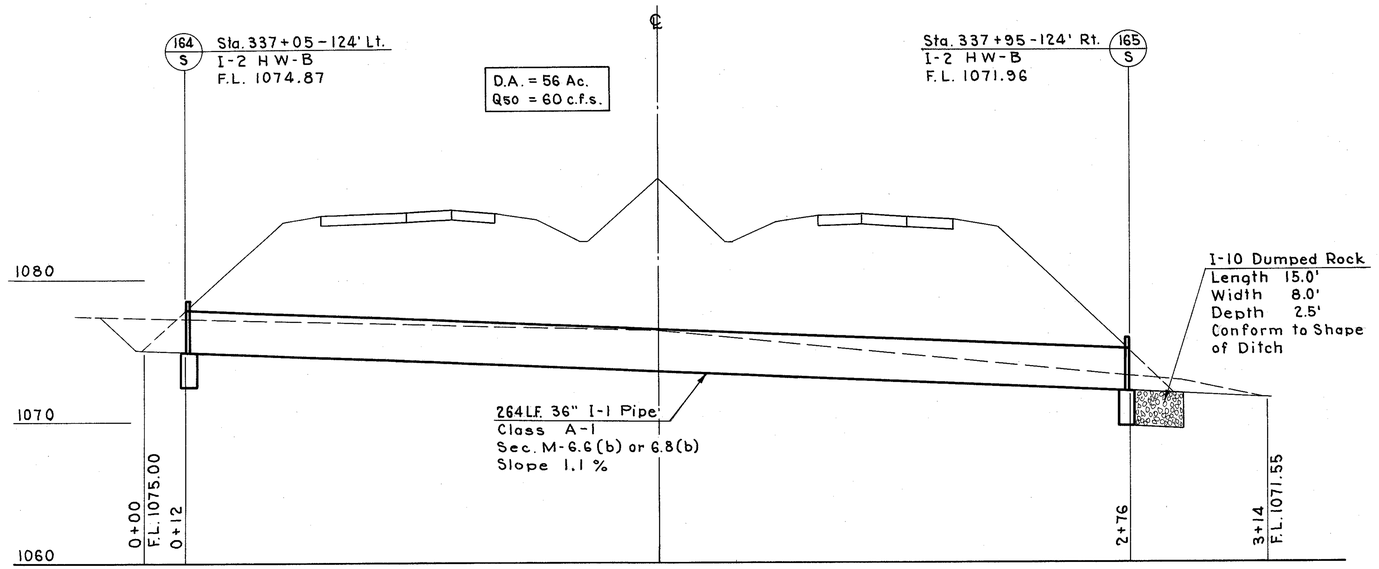
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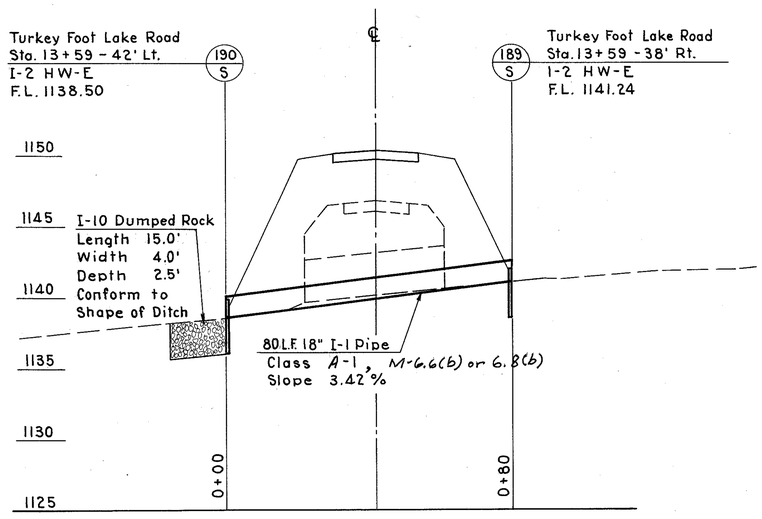
SUMMIT COUNTY
SUM-8-1.89





D.A. = 2.0 Ac.
Q25 = 7.0 c.f.s.





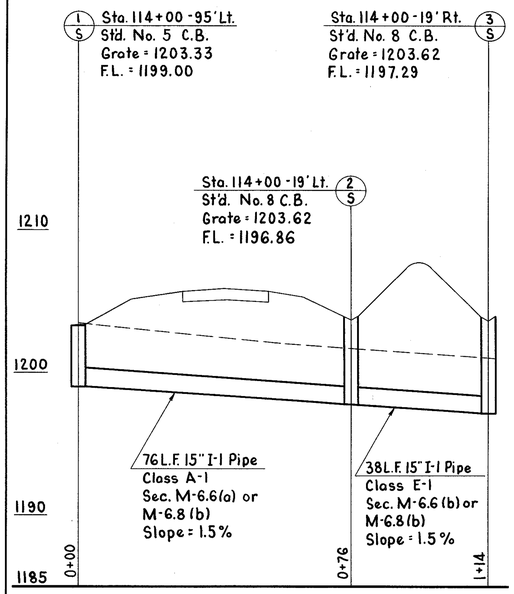
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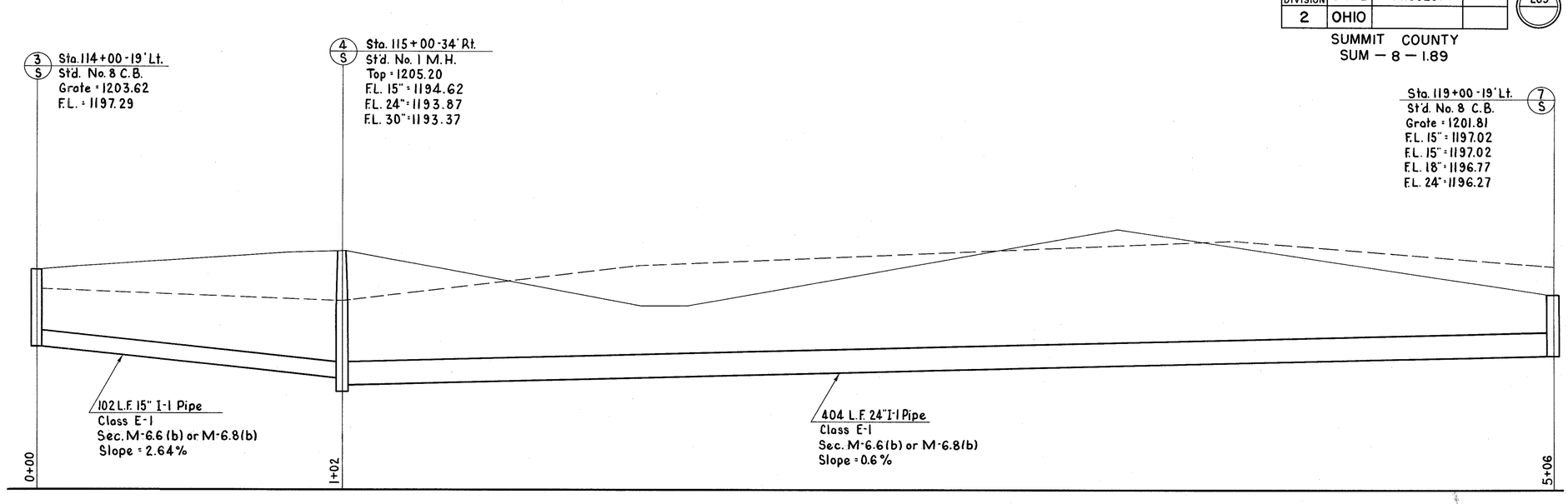
CULVERT DETAILS

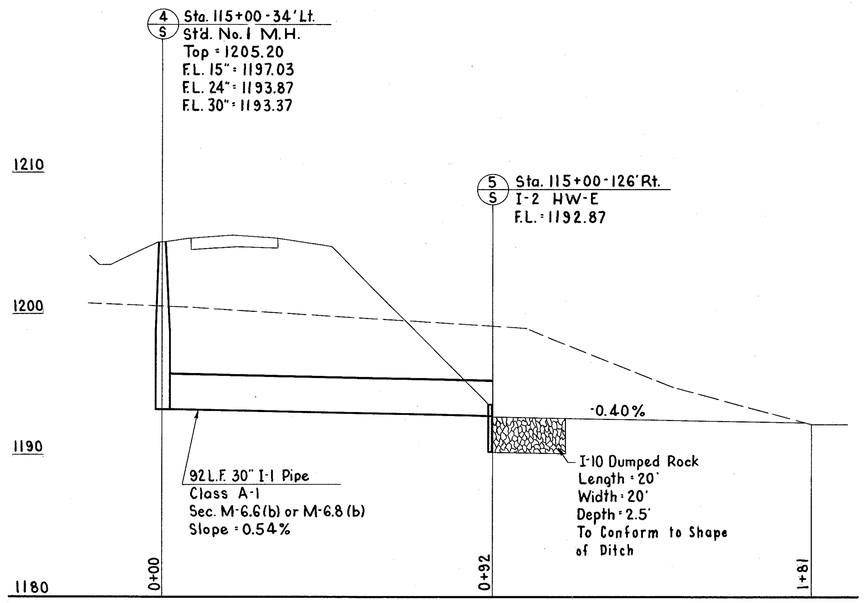
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

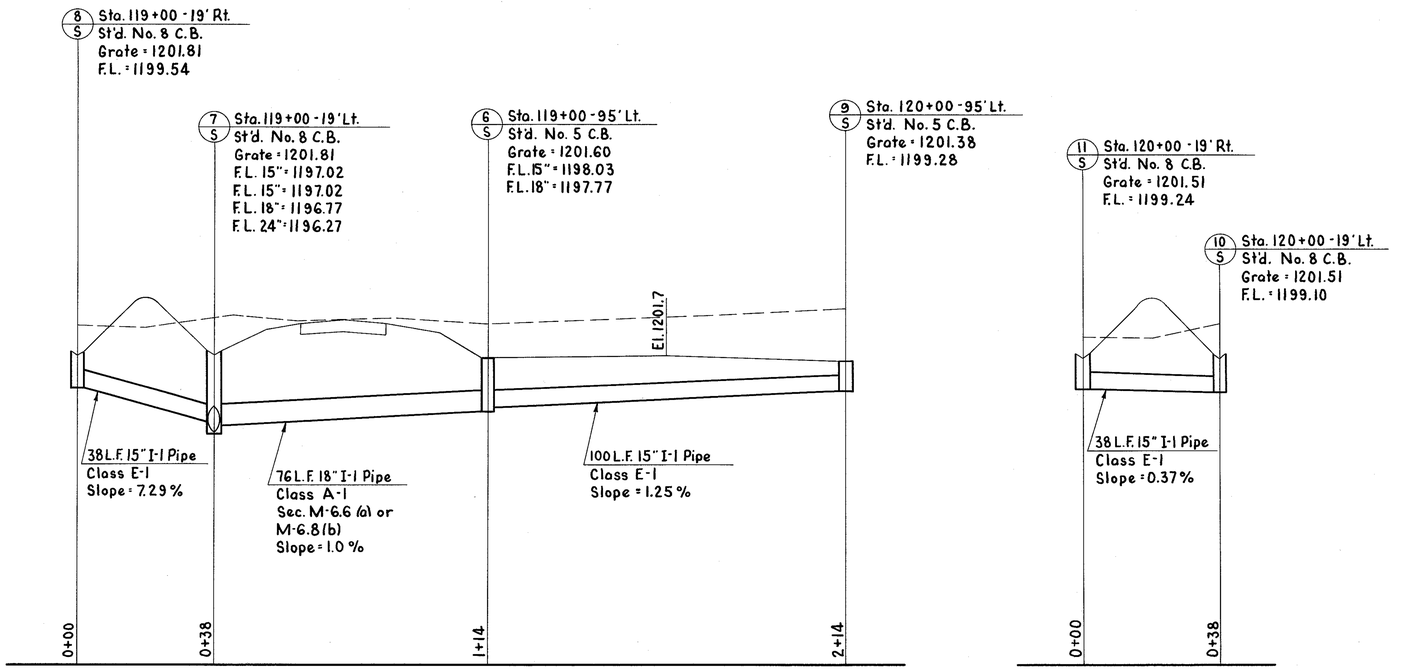
209

SUMMIT COUNTY
SUM — 8 — 1.89









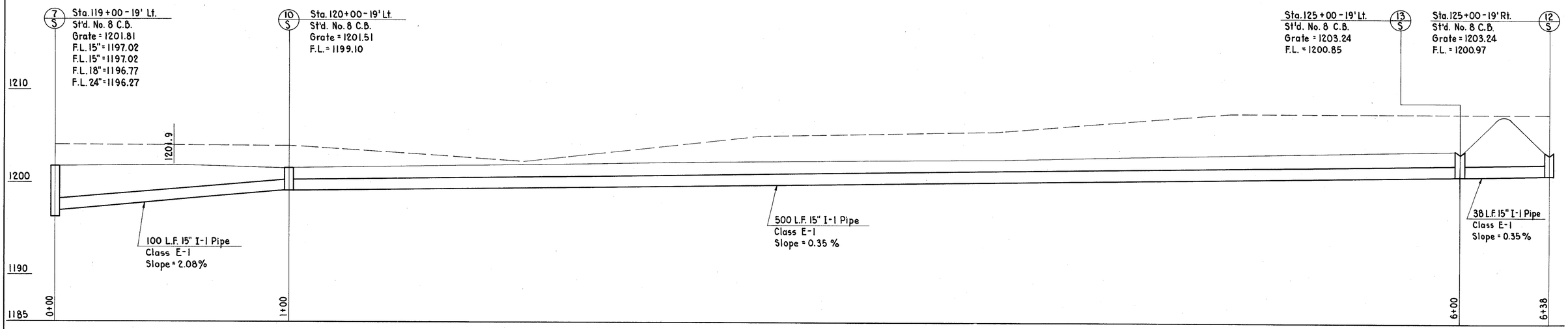
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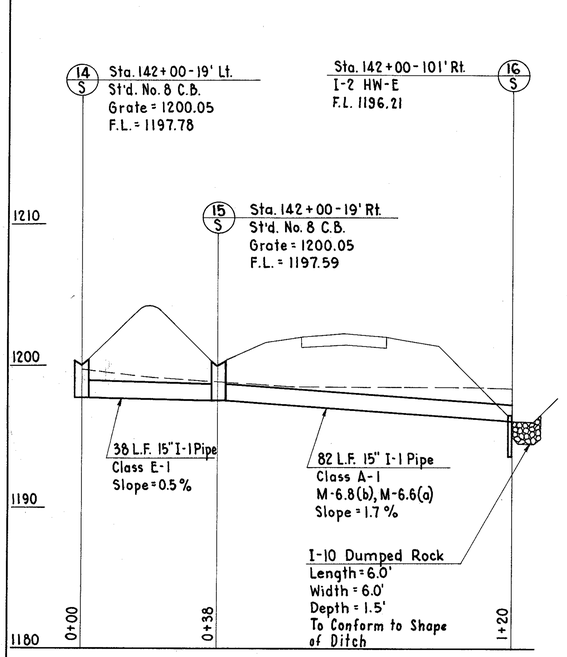
STORM SEWER PROFILES

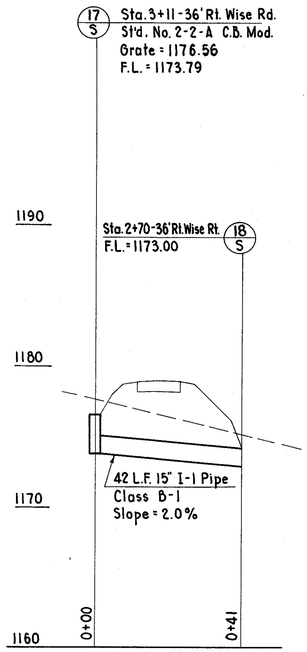
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

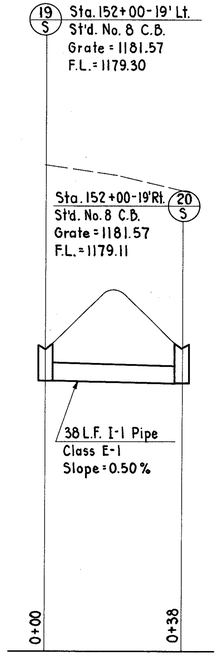
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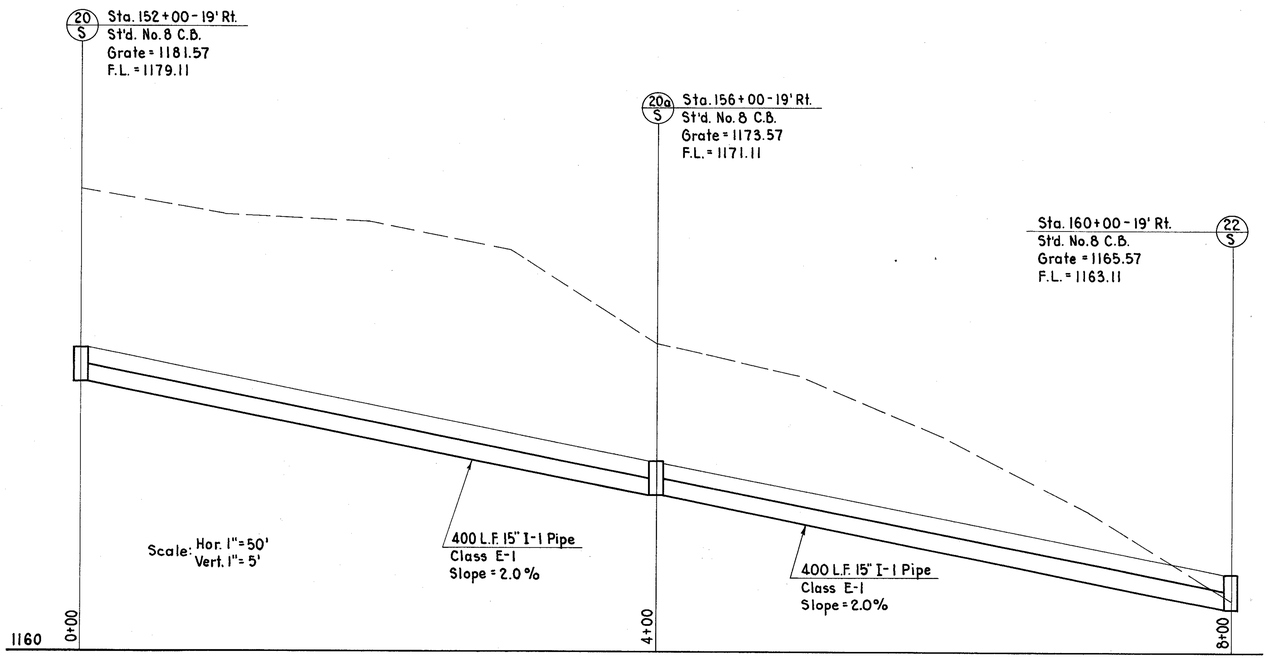
SUMMIT COUNTY
SUM-8-1.89









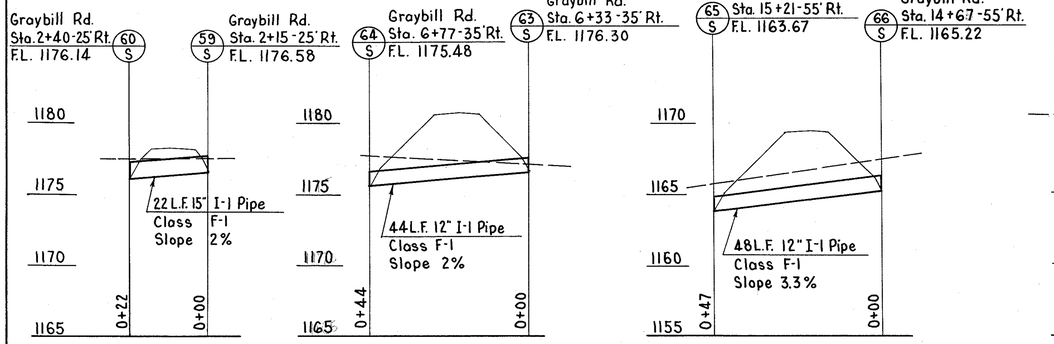


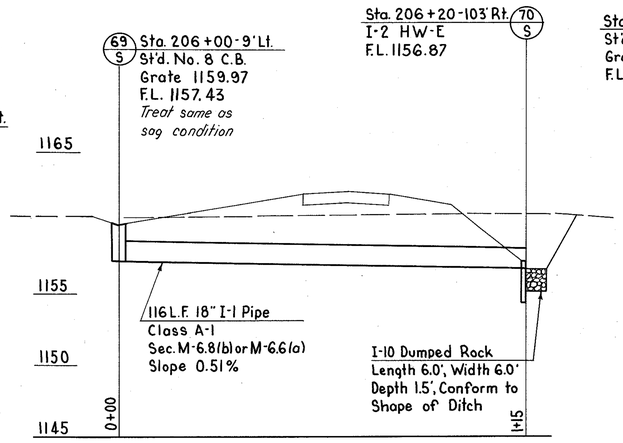
STORM SEWER PROFILES

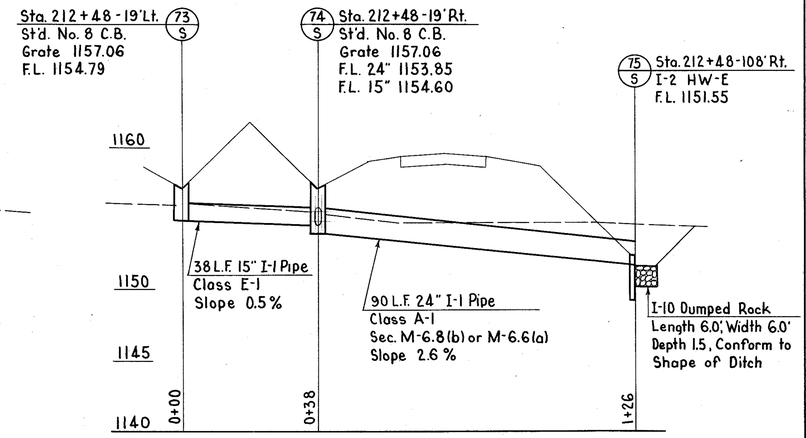
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

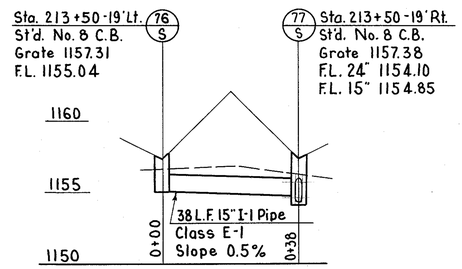
211

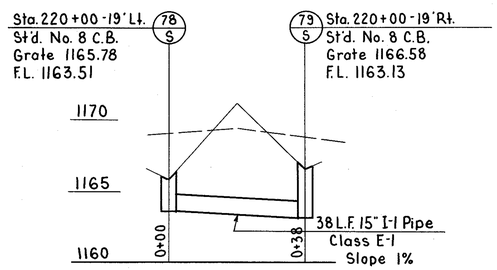
SUMMIT COUNTY
SUM - 8 - 1.89

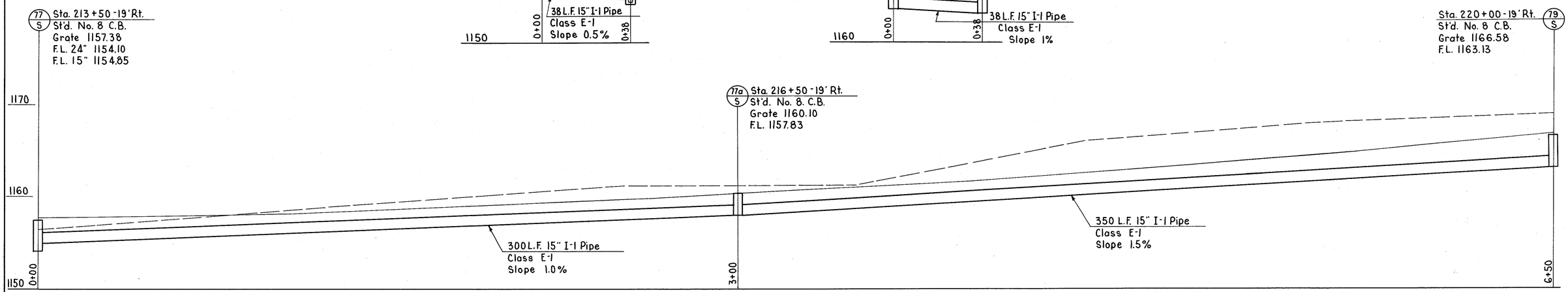












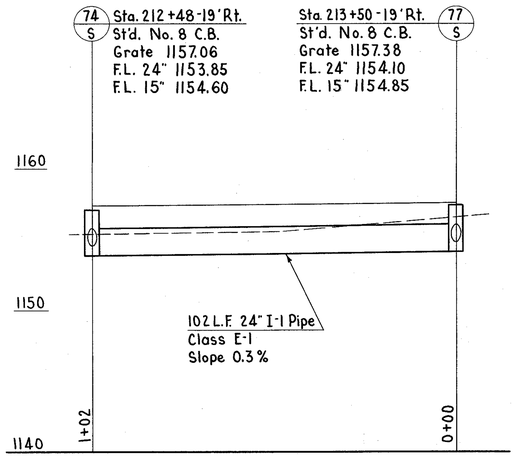
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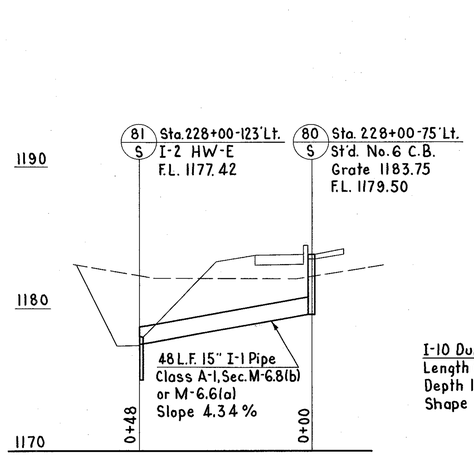
STORM SEWER PROFILES

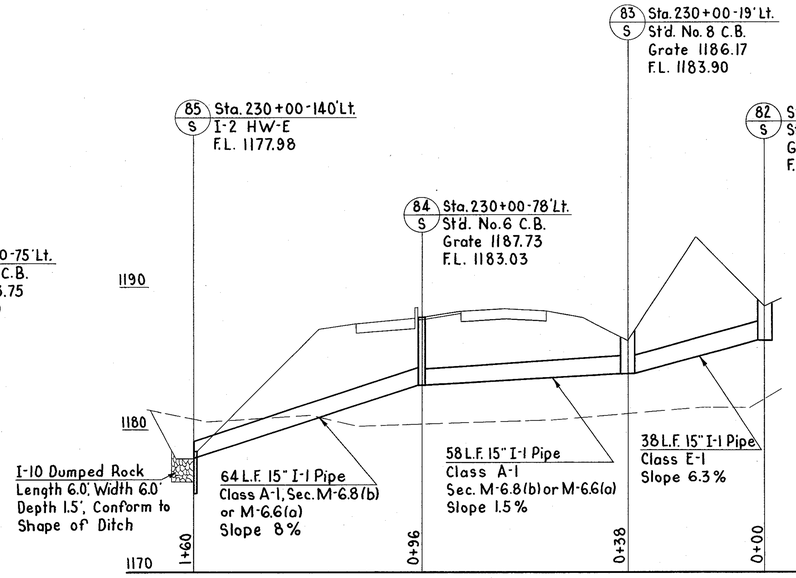
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

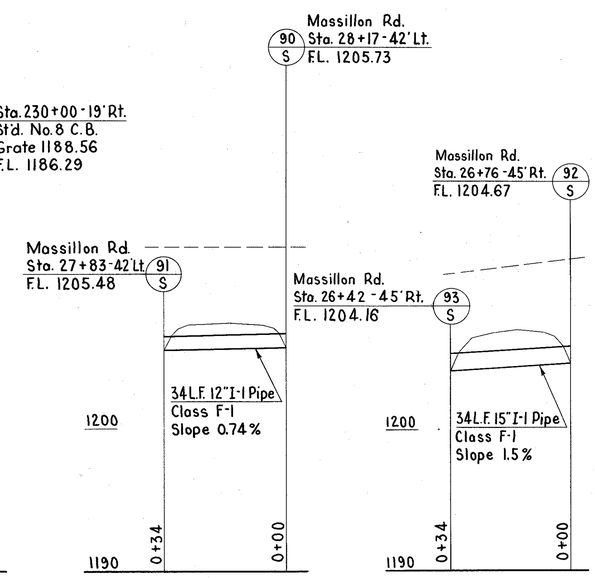
212

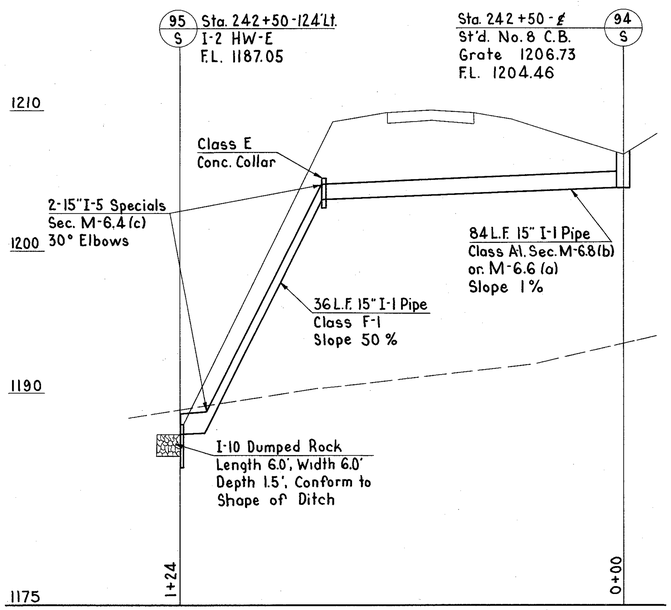
SUMMIT COUNTY
SUM - 8 - 1.89

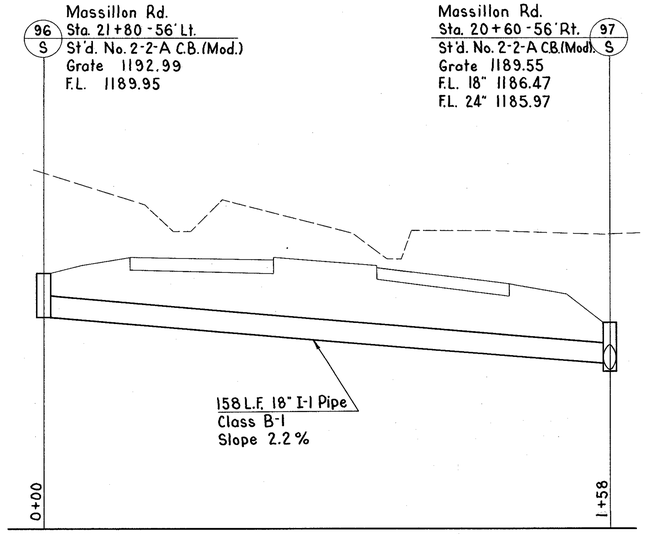


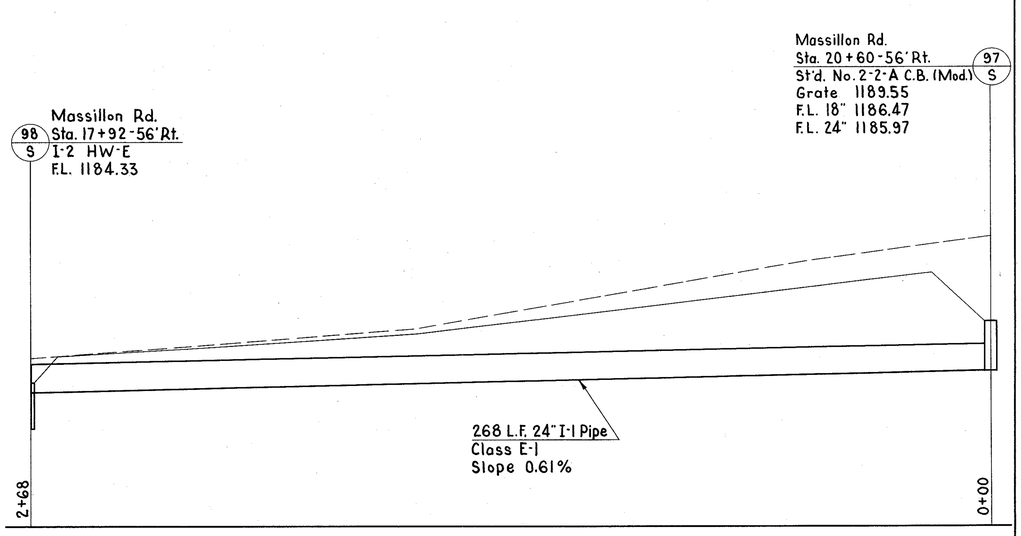












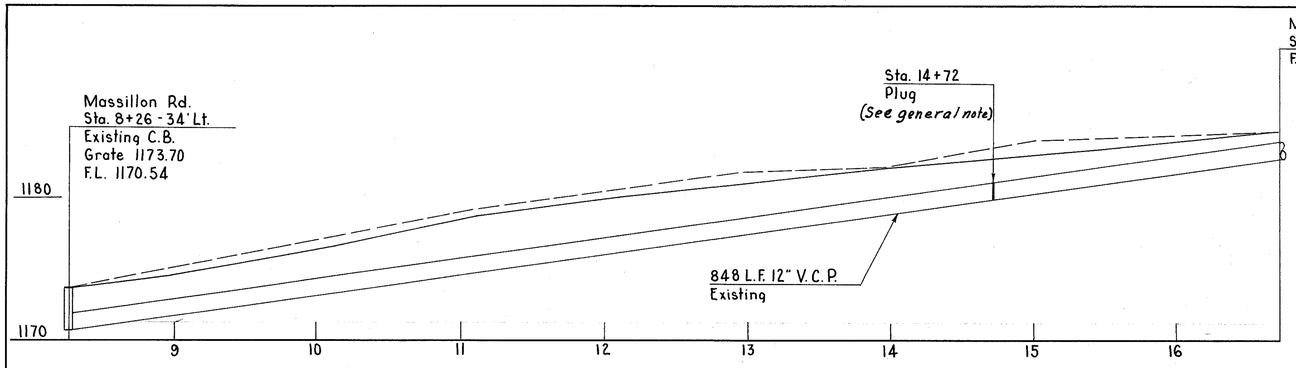
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STORM SEWER PROFILES

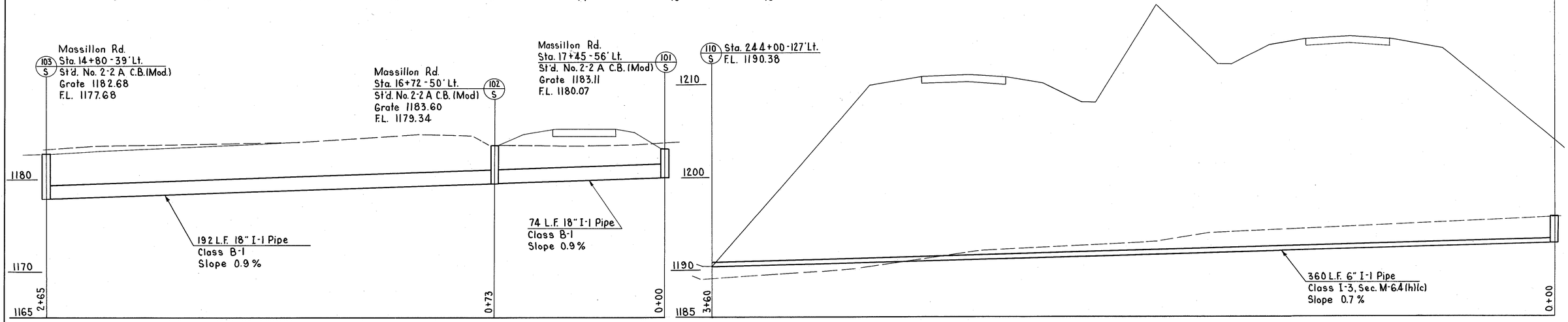
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2	OHIO		

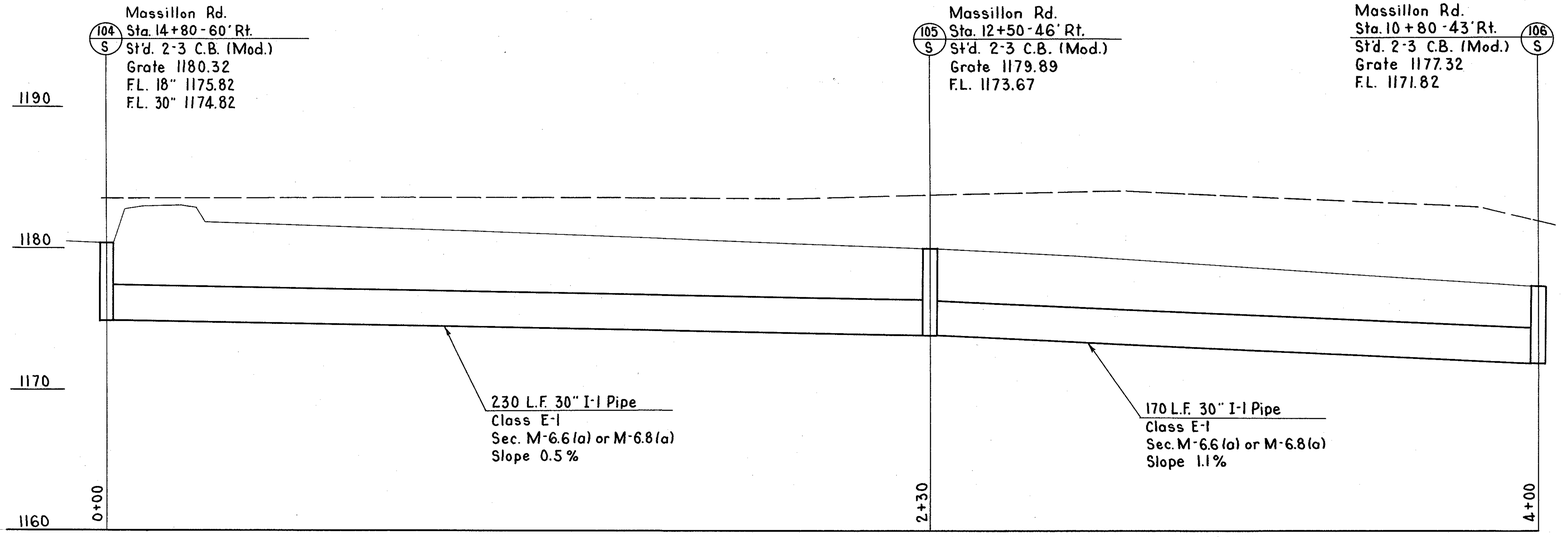
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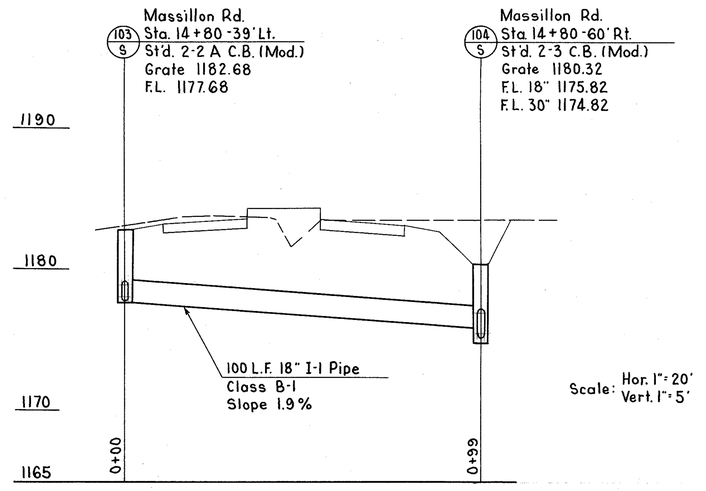
SUMMIT COUNTY
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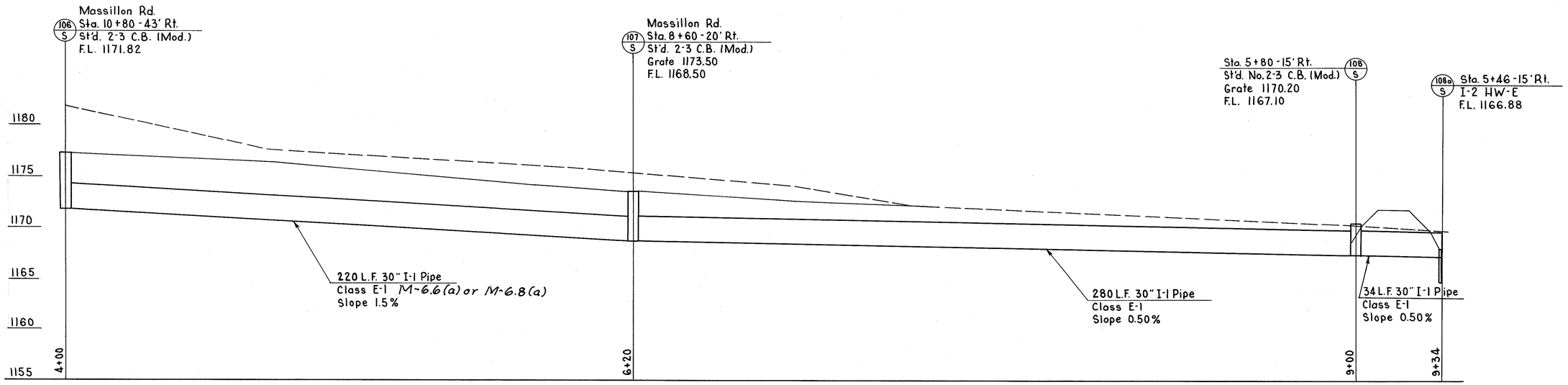
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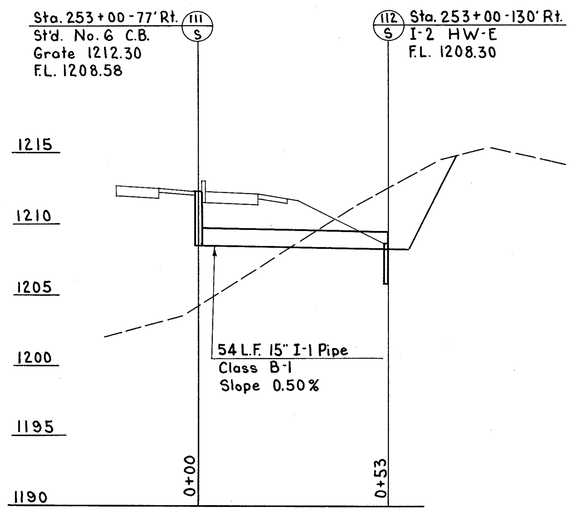
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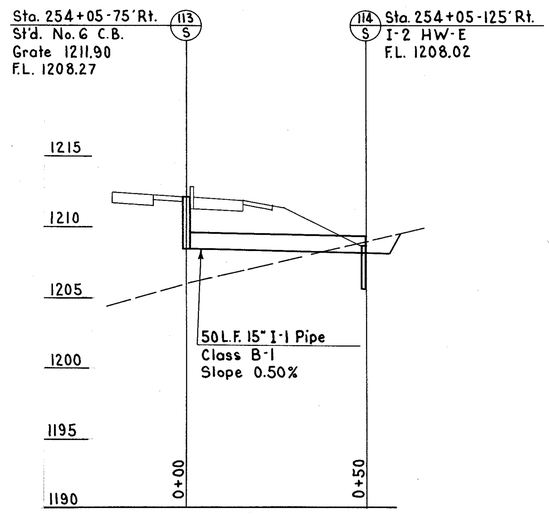
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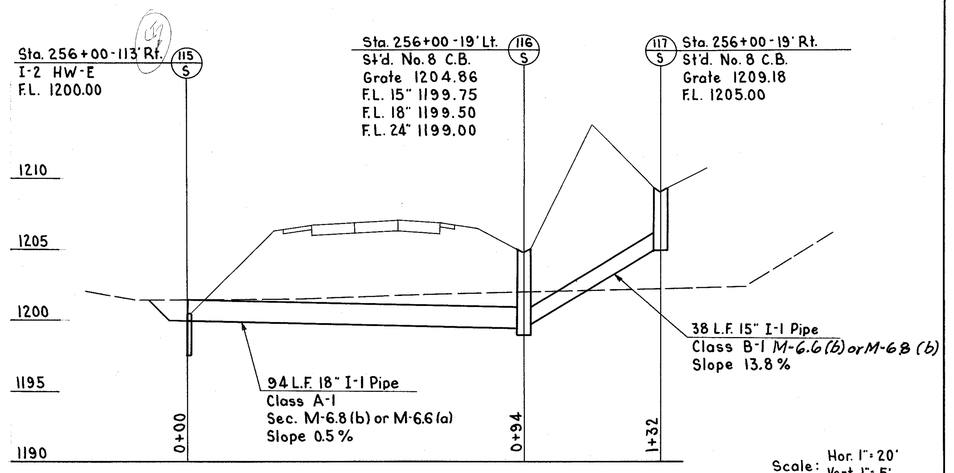
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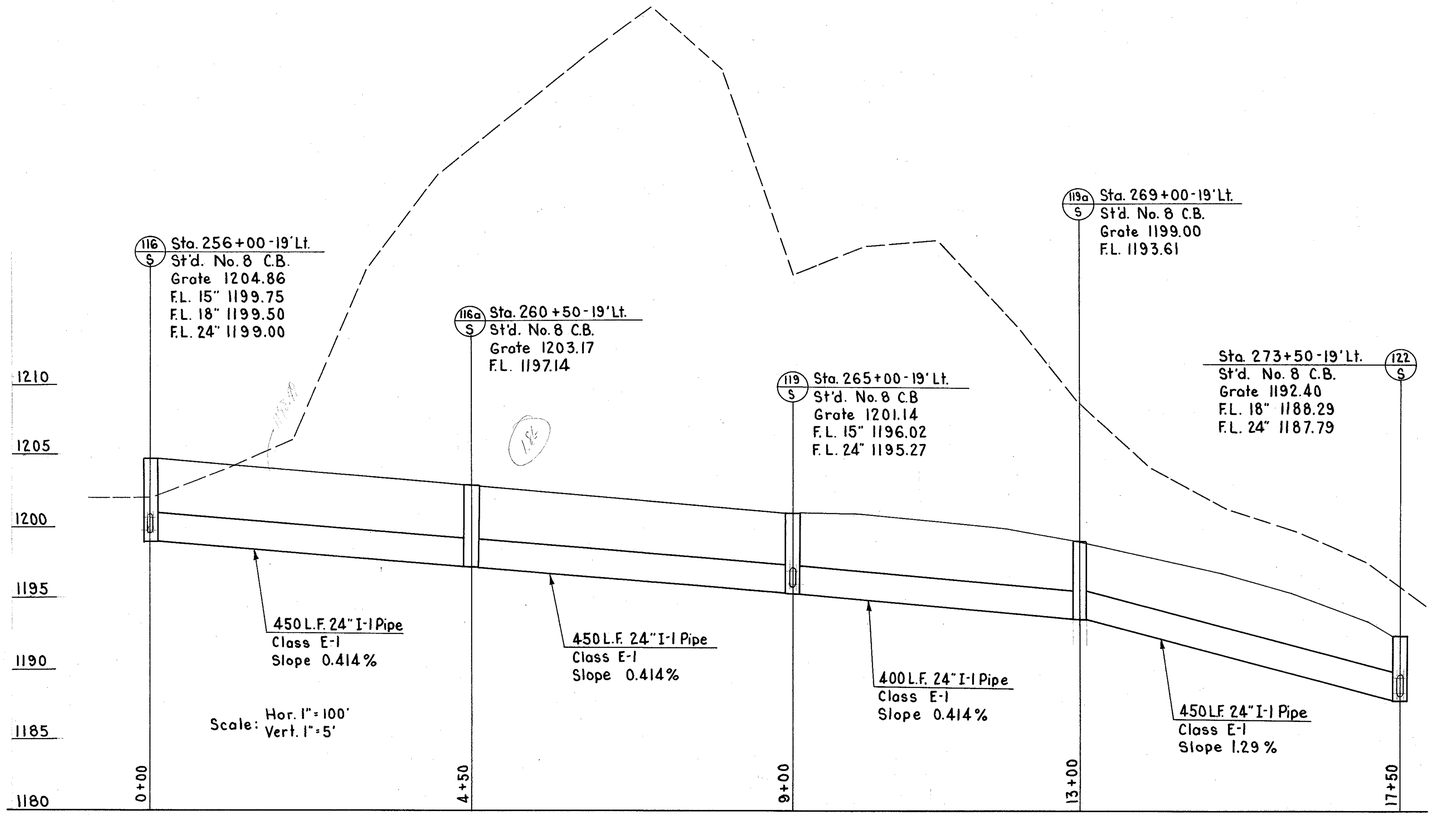
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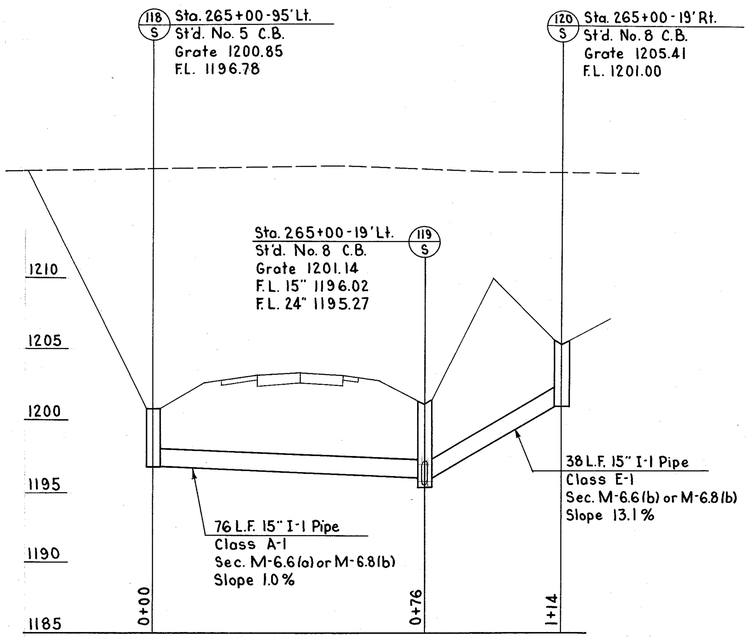
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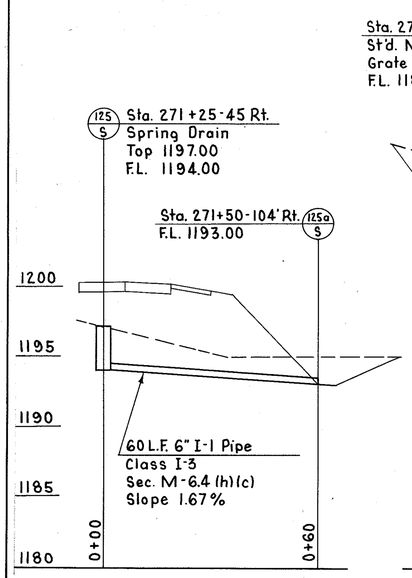
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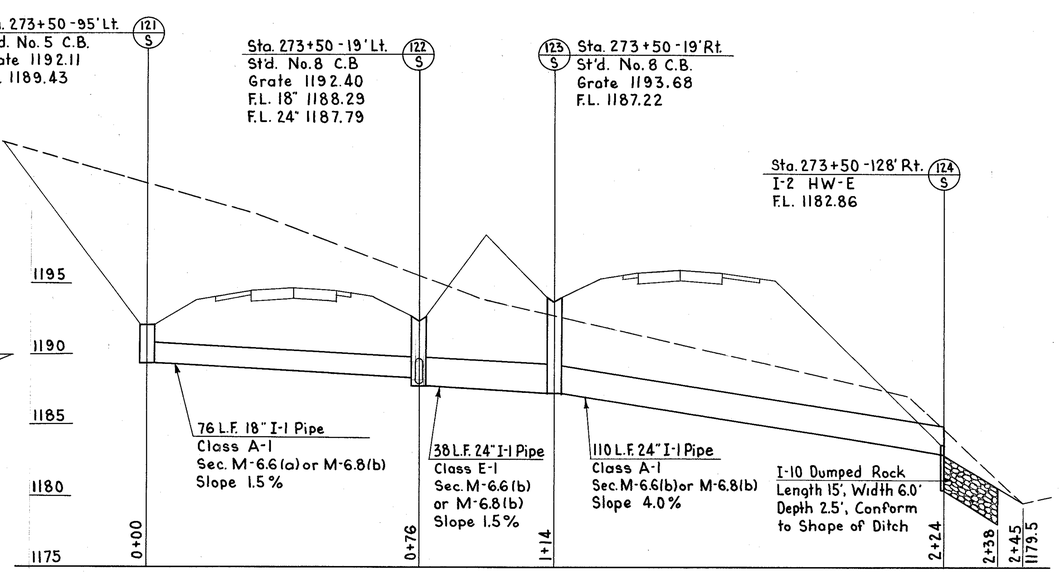
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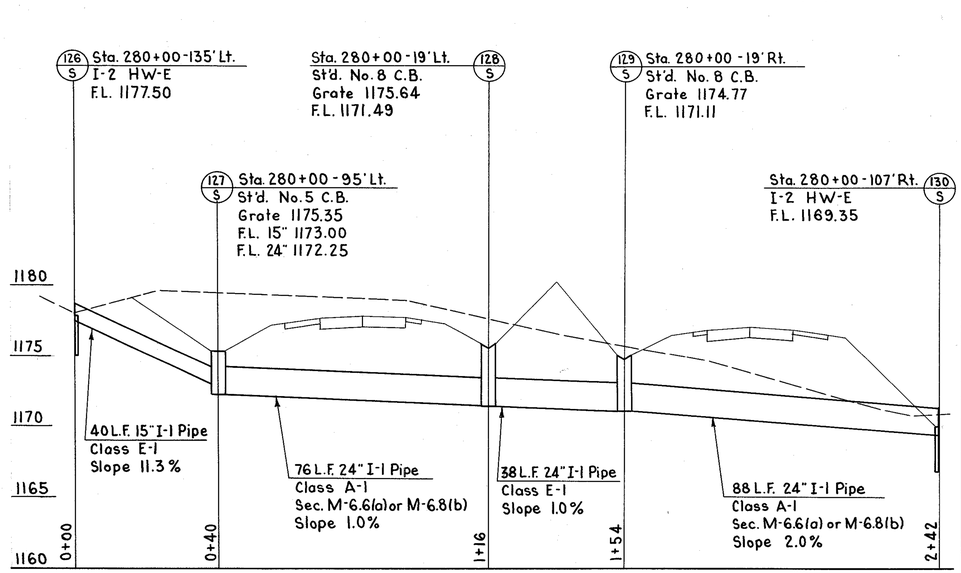
SUMMIT COUNTY
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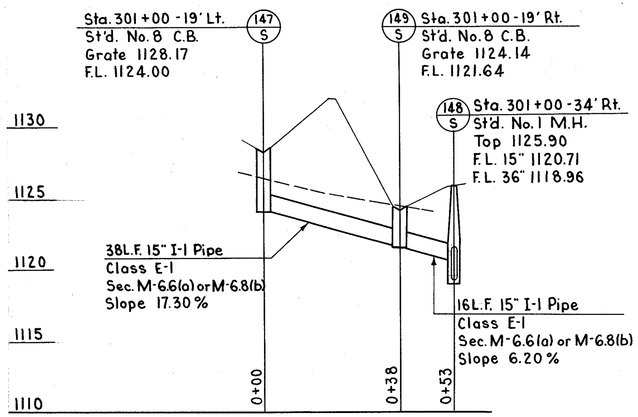
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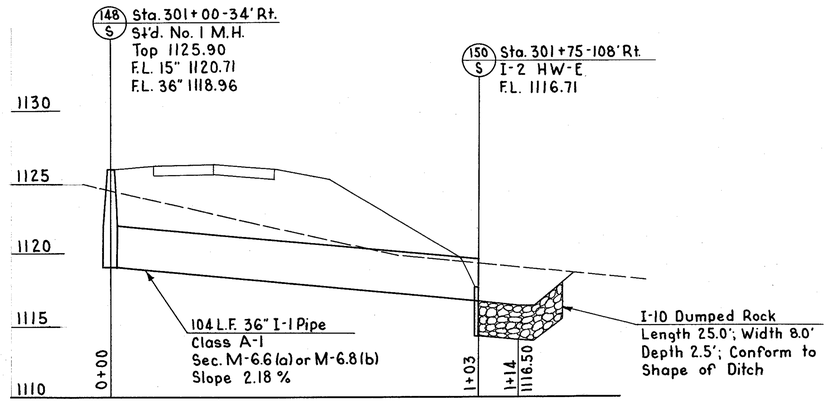
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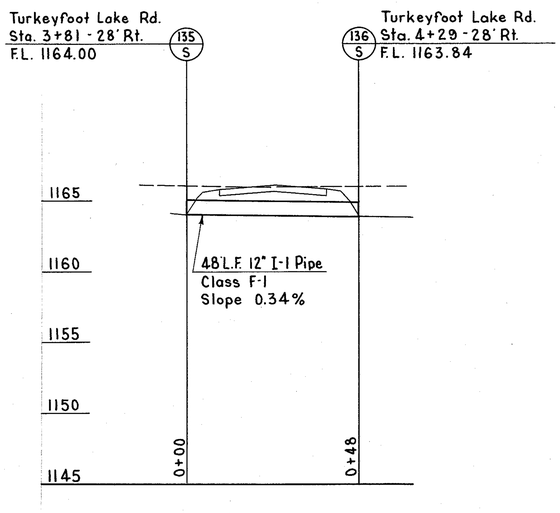
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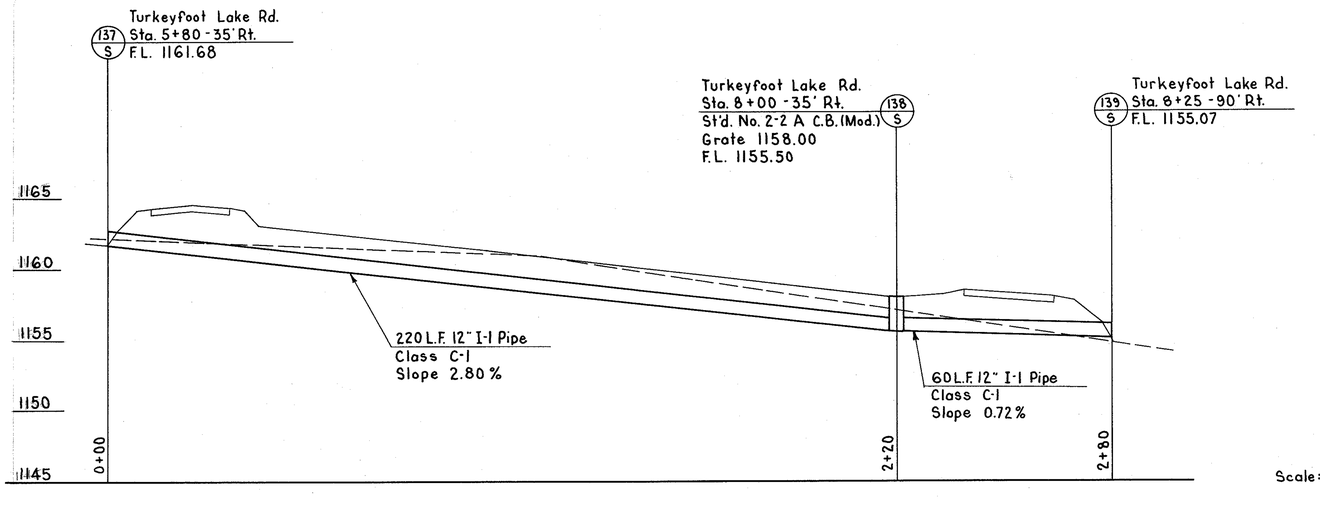
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SUMMIT COUNTY
SUM - 8 - 1.89









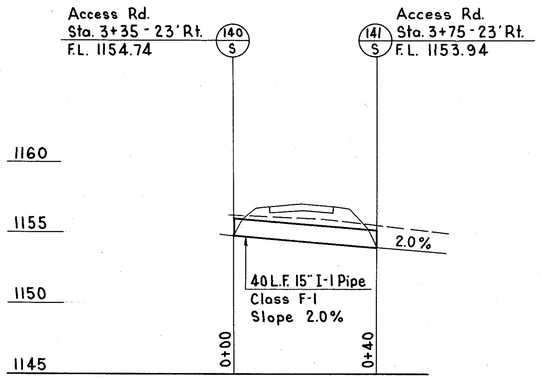
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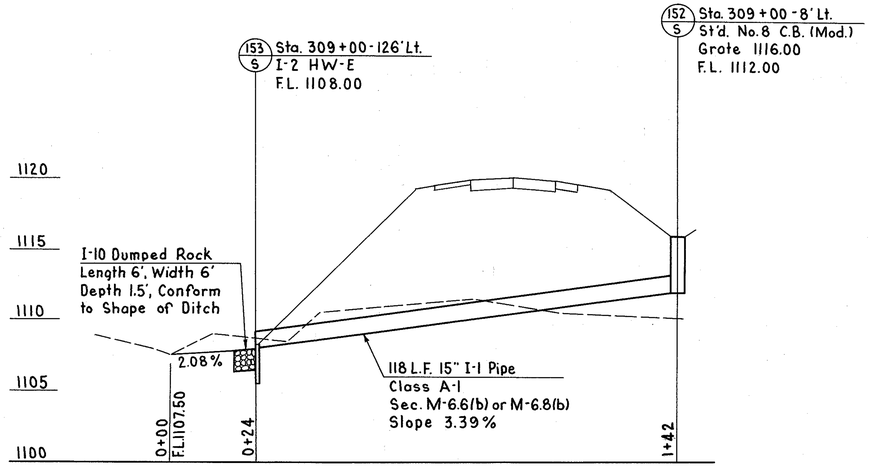
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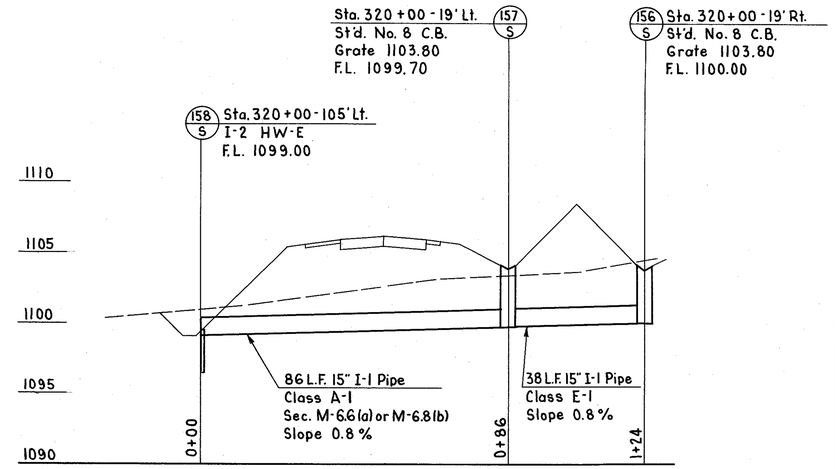
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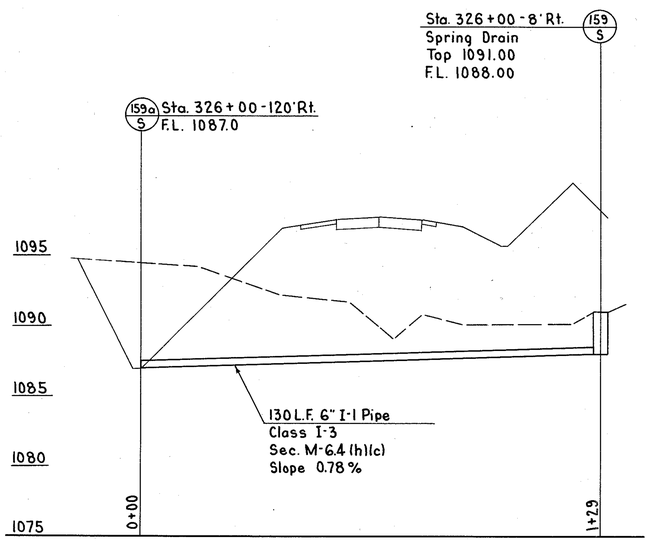
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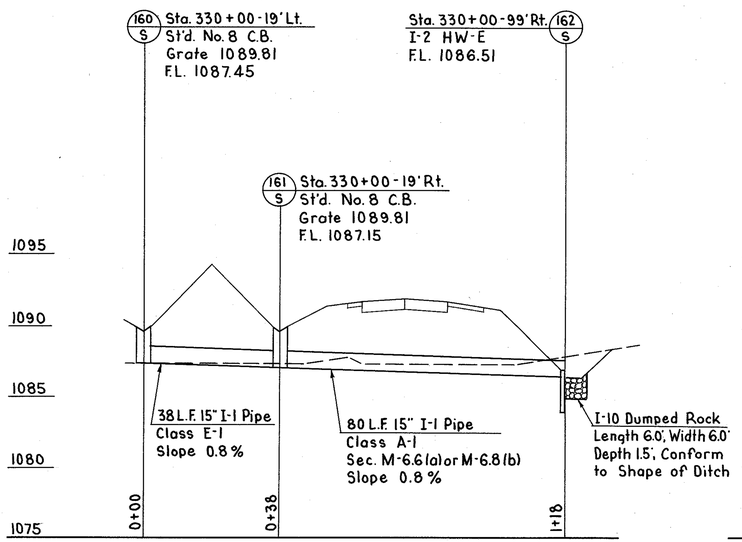
SUMMIT COUNTY
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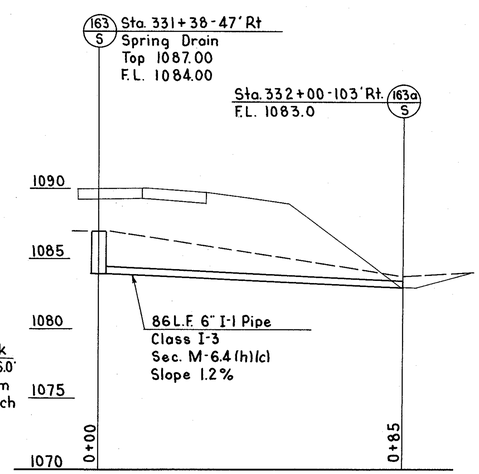


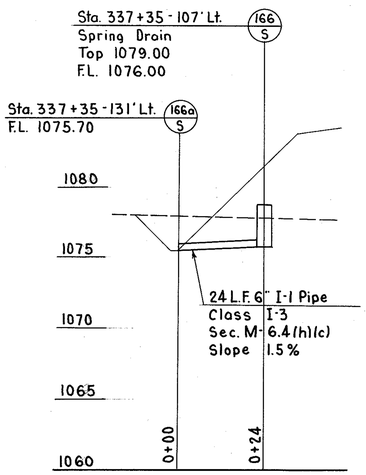












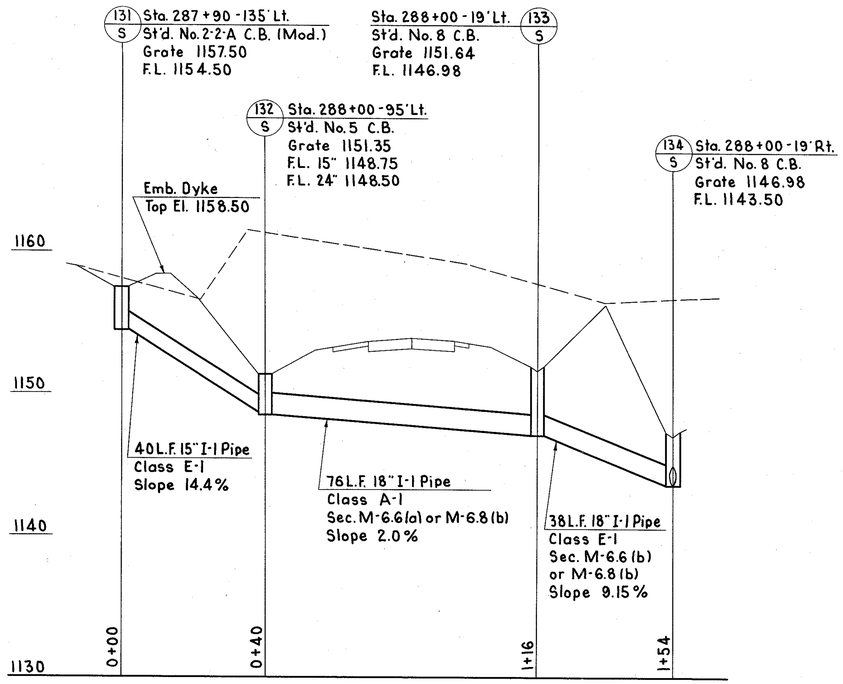
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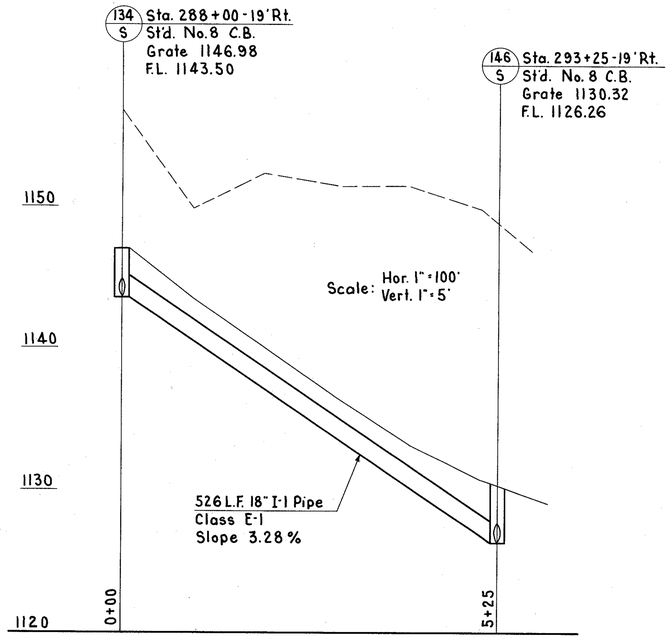
STORM SEWER PROFILES

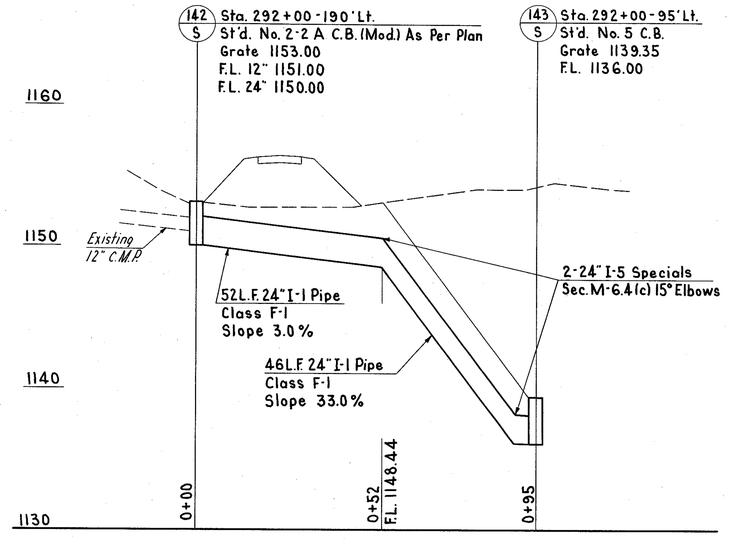
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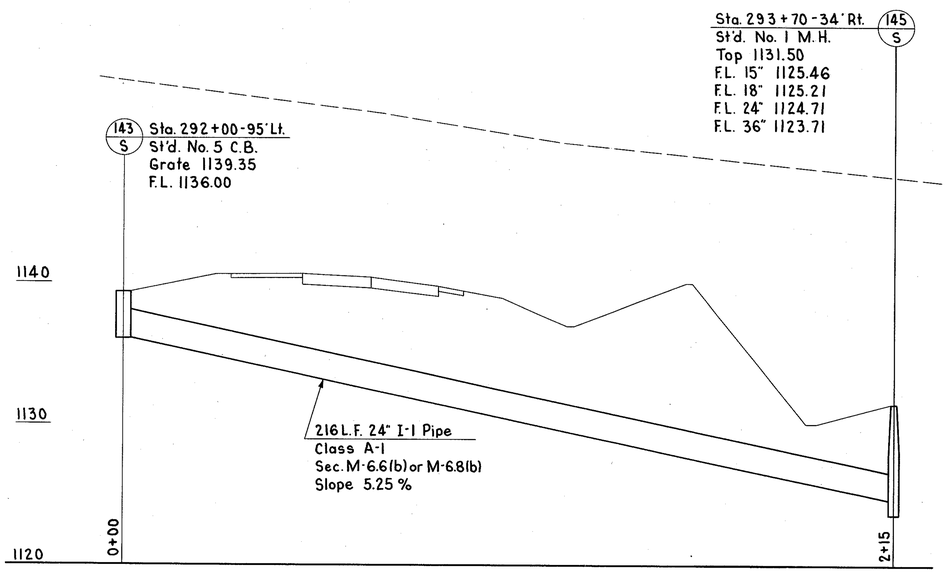
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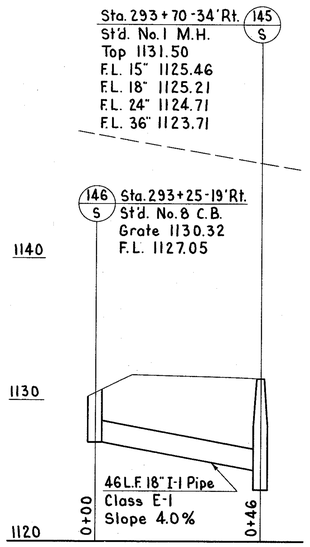
SUMMIT COUNTY
SUM - 8 - 1.89

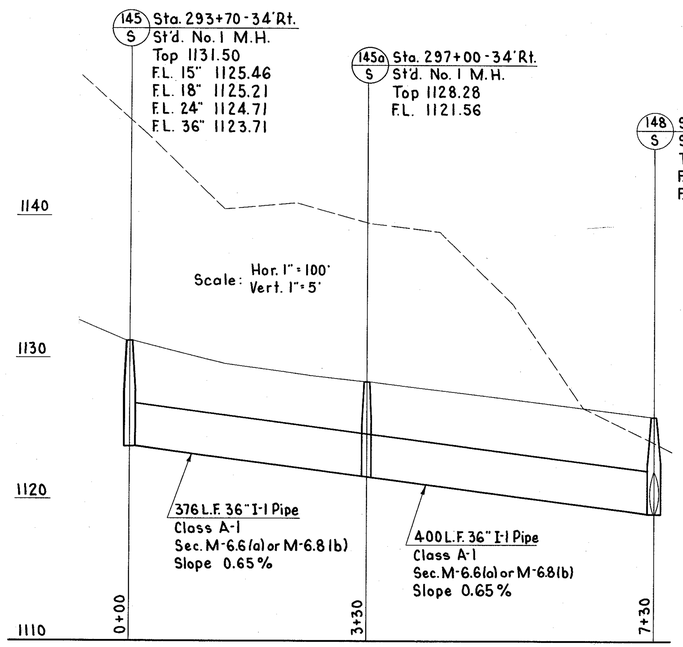


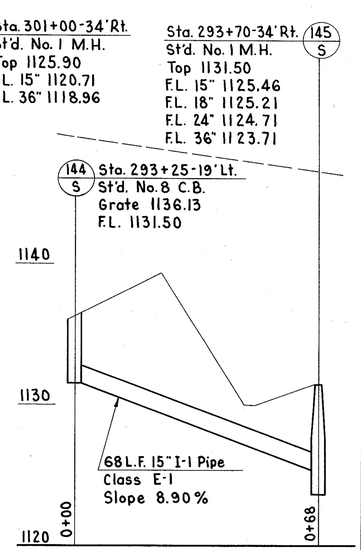












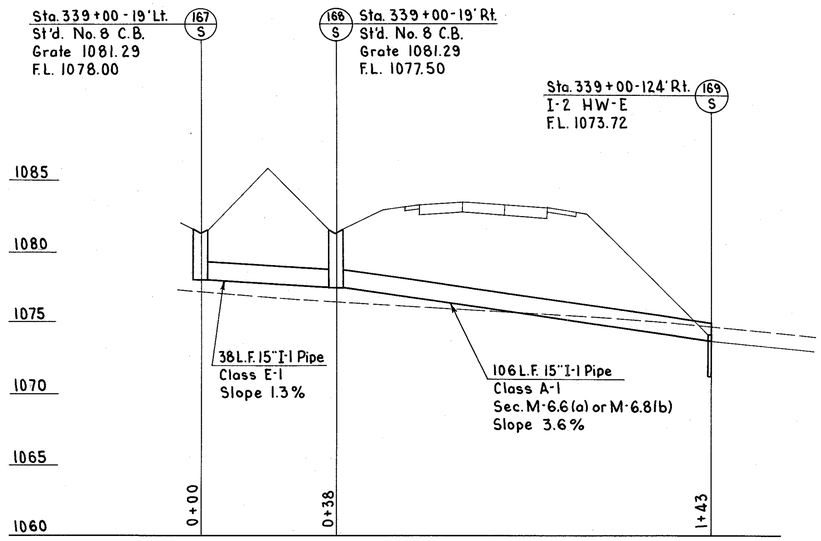
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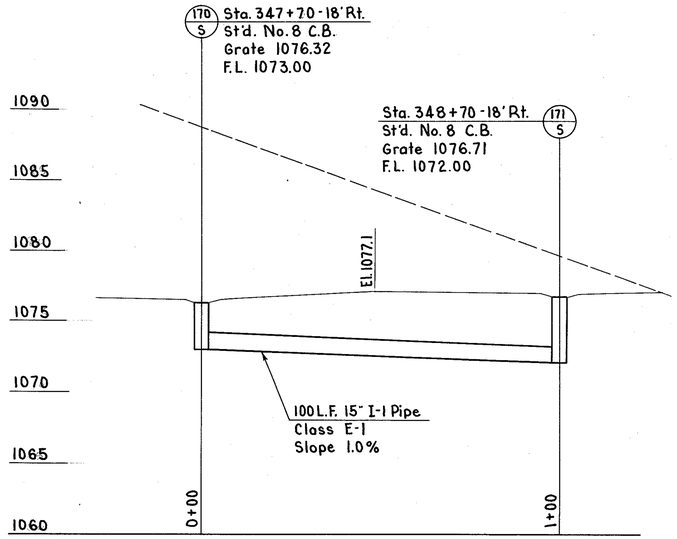
STORM SEWER PROFILES

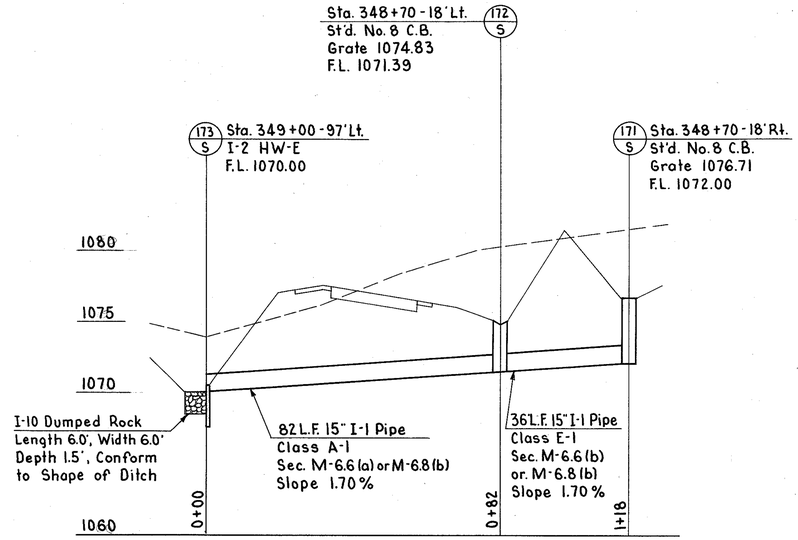
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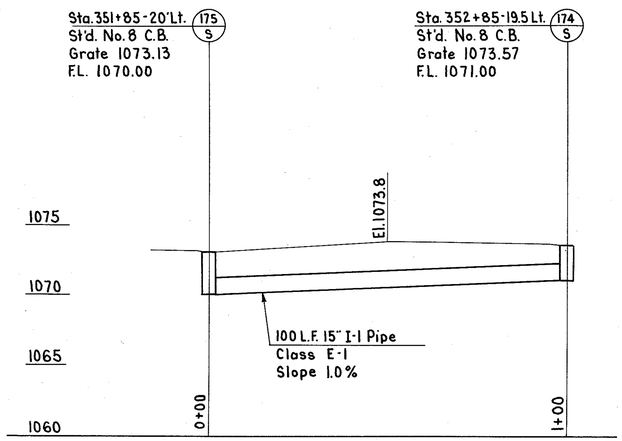
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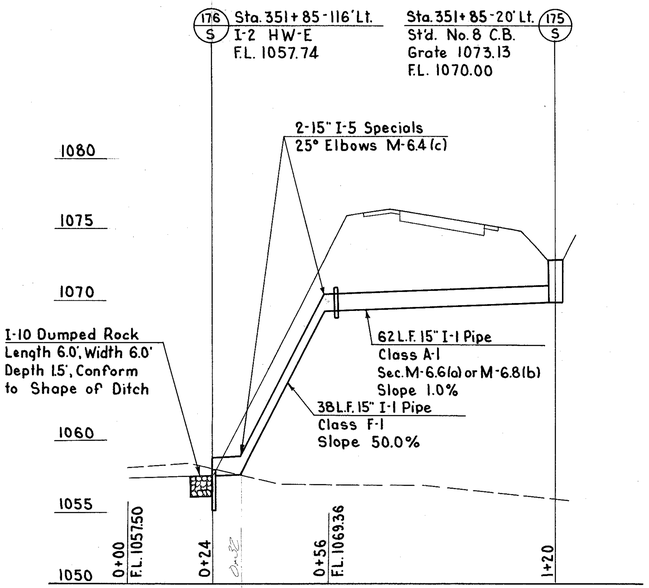
SUMMIT COUNTY
SUM-8-1.89

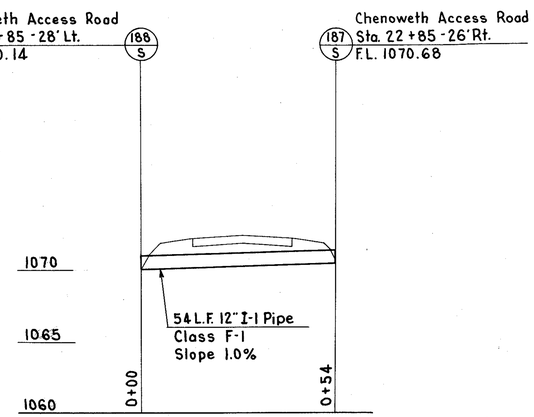












Scale: Hor. 1" = 20'
Vert. 1" = 5'

STORM SEWER PROFILES

GENERAL NOTES - LIGHTING

DESCRIPTION . . . . . .

This item shall consist of furnishing all materials and labor required for the complete installation of the roadway lighting and control system and associated electrical and mechanical facilities in accordance with the designs, dimensions and details shown in the Plans and described in the specifications and as set forth in the Special Provisions and Proposal.

All material, workmanship and construction methods of this project, except as modified herein, or on the drawings, shall conform to the the general requirements of State of Ohio, Department of Highways, Construction and Material Specifications, January 1, 1961. Attention is directed to Item S-25, Electrical Equipment. Other items which apply are included below with modifications of the specifications which shall be complied with by the Contractor.

The Contractor shall also comply with the National Electrical Code of the National Board of Fire Underwriters and Electric Service Rules and Regulations of the Ohio Edison Company.

MATERIALS . . . . . .

1. *GENERAL*

Certified statements regarding compliance of materials with specifications listed shall be furnished upon request. Materials other than those listed here shall be of the size and quality indicated on the Plans or in the Specifications.

2. *CONDUIT*

(a.) Steel conduit and fittings shall be heavy wall, threaded, galvanized type conforming to the Federal Specification WW-C-581C.
(b.) Asbestos cement conduit and fittings shall conform to the requirements of Federal Specification W-C-571 and shall be Type I for concrete encasement.
(c.) Wrought iron electrical conduit shall be equivalent to National Electric Co. conduit with vinyl enamel coating.
(d.) Conduit bushings shall be equivalent to OZ Company, Type B, or approved equal.

3. *WIRE AND CABLE*

(a.) Direct burial cable for roadway lighting multiple distribution system circuits shall be single conductor, 19 strand copper wire insulated with 8/64 inch of ozone-resistant compound conforming to A.S.T.M. Specification D-574 and finished with 4/64 inch polymerized chloroprene sheath conforming to A.S.T.M. Specification D-752. The cable shall conform to Federal Aviation Agency Specification L-824 for single conductor cable with 3000 volt Type A performance type insulation with neoprene jacket.*
Cable size shall be A.W.G. No.6, equivalent General Electric Co. No. SI-58003.
(b.) Standard and bracket wire shall be single conductor, seven (7) strand, Type USE with RHW insulation rated at 600 volts. Construction shall be similar to distribution cable. Minimum insulation thickness shall be 4/64 inch and sheath thickness shall be 3/64 inch.
Wire size shall be A.W.G. No.8 and equivalent to General Electric Co. No. SI-58004.
(c.) Control wire & ballast secondary wire shall be single conductor, stranded, Type USE with RHW insulation rated at 600 volts. Construction shall be similar to distribution cable with minimum insulation and jacket thickness of 3/64 inch. Wire shall be equivalent to General Electric Co. Type SI-58004.
(d.) Service cable between pole and service center shall be single conductor, stranded, Type USE, with RHW insulation rated 600 volts. Basic construction shall be similar to distribution cable with size and insulation and jacket thickness as noted on the Plans. Cable shall be equivalent to General Electric Co., Type SI-58004.

* Note: To obtain additional mechanical strength and protection, 3000 volt wire with extra insulation and jacket thicknesses is specified in place of standard 600 volt wire.

MATERIALS - *CONTINUED*

3. *WIRE AND CABLE (Continued)*

(e.) Electrode ground conductors shall be A.W.G. No. 4, solid, bare, copper wire.
(f.) Wire and cable furnished shall comply with General Requirements of I.P.C.E.A. Specification S 19-81 for type specified and service required. (Insulated Power Cable Engineers Association)

4. *SPLICING MATERIALS*

Cable splice materials shall consist of the following or approved equal:
(a.) Straight line splice kit - Minnesota Mining and Mfg. Co. Scotchcast Splicing Kit No. 82-A.
(b.) Wye or tap splice kit - Minnesota Mining and Mfg. Co. Scotchcast Splicing Kit No. 90-B1
(c.) Insulating tape - Okonite Company - Okoweld No. 92-31.
(d.) Sheathing tape - Okonite Company - Okoprene No. 92-41.
(e.) Cable connectors - Burndy Corporation - (Type KS-3 Extended body for three maximum size conductors).
(f.) Compression connector - Burndy Corporation - Type YS.

5. *GROUND RODS & CONNECTORS*

(a.) Ground rods shall be copper clad steel rods 5/8 in. diameter single unit or sectional type with length as specified on the Plans.
(b.) Ground connectors shall be bronze, heavy duty type equal to Anderson Electric Co. units as specified on the Plans.
(c.) Connect ground wire to rod by brazing or thermite welding.

6. *FUSED CONNECTORS*

(a.) Fused connectors at lighting standards shall be molded rubber type equal to Elastic Stop Nut Corp. Style 64. Connector body size shall be selected to properly fit dia. of cable furnished.
(b.) Connector fuse shall be equivalent to Bussman Mfg. Company high capacity fuse Type KTK, 4 ampere size.

7. *STRUCTURAL STEEL*

(a.) Structural steel for miscellaneous supports as detailed on the Plans shall conform to the requirements of Item M-7, Section M-7.4(a).
(b.) Galvanizing specified for structural steel shall conform to the requirements of Item M-7, Section M-7.4(d).

8. *EQUIPMENT CABINETS*

Service equipment cabinets shall conform to the requirements as specified on the Plans.

9. *SERVICE EQUIPMENT*

Service equipment consisting of safety switches, control devices, circuit breakers, lightning arresters, and miscellaneous devices shall conform to the rating, sizes, and special features as specified on the Plans and applicable EEI and NEMA standards.

10. *WOOD POLES*

Wood poles shall conform to the requirements of American Standards Specification 05.1-1948.

11. *STANDARD AND BRACKET*

(a.) Lighting Standard shall consist of an 11 gauge round steel shaft tapered at .14 inch per foot with a cast steel anchor base which telescopes the shaft and is welded to it. Shaft shall be made from one piece of steel with one longitudinal weld and

MATERIALS - *CONTINUED*

11. *STANDARD AND BRACKET - (Continued)*

a minimum yield strength of 48,000 pounds per square inch. Shaft diameter shall be 8-8.5 in. at the base and 4.2-4.7 in. at the top as specified and detailed on the Plans.
(b.) Bracket arms shall be made of 2 inch standard pipe with basic design as shown on the Plans.
(c.) Anchor bolts shall be made of high strength steel in accordance with detail shown on Plans.
(d.) Standards and brackets shall be thoroughly cleaned inside and out and given two shop coats of paint before leaving the factory in accordance with Item S-25.10.
(e.) Standards shall be equivalent to Union Metal Mfg. Co., Design 440 A as specified on the Plans.

12. *LUMINAIRES*

(a.) Luminaires shall be mercury vapor type suitable for use on 460 volt multiple circuits and designed to furnish light distribution patterns equivalent to A.S.A.I.E.S. types noted on Plans.
(b.) Luminaires shall have internal ballast conforming to the requirements as listed under Section 13 - Ballasts.
(c.) Luminaires shall be equivalent to General Electric Co. M-400, Line Material Co. 2A2, or Westinghouse Corporation OV-25.

13. *BALLASTS*

(a.) Ballasts shall be integral with luminaires as shown in the Plans.
(b.) Ballasts for multiple circuits shall be regulator type, rated 400 watts, 460 volts, for use with 22,500 Lumen Mercury Vapor Lamp and shall provide +/- 2 per cent regulation in lamp watts with +/- 13 per cent variation in primary volts from the ballast voltage design center. Power factor of the ballast shall be approx. 96 per cent.

14. *LAMPS*

Lamps shall be Mercury Vapor Type, 400 watt, 22,500 lumens, weather resistant, Bonus Line ASA Code H33-1GL/W - with BT-37 bulb. Min. rated life shall be 12000 hours at 5 to 10 hours operation per start.

15. *PULL BOX FRAME*

(a.) Pull box frame shall be constructed in accordance to the dimensions and details shown on the Plans.
(b.) Material shall conform to requirements of Item M-7, Section M-7.4(a) - Structural Steel, and Welding shall be performed in accordance to Item S-7, Sect. S 7.22 - Welding.
(c.) Paint frame with 2 coats of specified tar paint.

16. *PHOTOELECTRIC CONTROL*

(a.) Photoelectric control unit shall be cadmium sulphide cell type with sealed weatherproof construction and separate twist-lock plug base for unit replacement.
(b.) Unit base shall be modified to provide threaded hub for conduit attachment as shown on the project drawings.
(c.) Photoelectric control shall be rated 120 volts, 10 amps with time delay equivalent to Fisher Company Model 6601A (Modified). Unit shall be adjusted to turn on at 2 f.c. and turn off at 4 f.c.

17. *PAINT*

(a.) Primer shall consist of red lead paint conforming to the requirements of Item M-9, Section M-9.10, Semi-quick drying red lead paint.

MATERIALS - *CONTINUED*

17. *PAINT - (Continued)*

(b.) Finish paint coat shall consist of enamel as specified under Item M-9, Section M-9.23, Green Enamel.

18. *CONCRETE*

Concrete materials shall conform to the applicable requirements of Item M-1, M-2, and M-3.

19. *HARDWARE, SUPPORTS AND DEVICES*

(a.) Miscellaneous fastening devices, supports and other hardware shall be constructed in accordance to the details shown or be equivalent to type specified.
(b.) All material shall be hot dipped galvanized or be constructed of corrosion resisting material. A flat washer shall be used under all nuts regardless of indication of same on the drawings.

INSTALLATION . . . . . .

1. *GENERAL*

(a.) Installation of roadway lighting system shall be performed in accordance to the requirements of Item S-25, Electrical Equipment.

2. *EXCAVATION AND BACKFILL*

Excavation and backfill for lighting standard foundations, control center foundations, duct and pull boxes shall conform to the requirements of Item E-2, Excavation and Backfill.

3. *CONCRETE*

(a.) Concrete for lighting standard foundations, control center foundations, ducts and pull boxes shall be placed, cured and proportioned in accordance to the applicable provisions of Item S-1, Concrete for Structures.
(b.) Concrete shall be Class C or Class E as indicated on the Plans.

4. *METHODS AND MATERIALS*

(a.) Contractor shall initiate contact with utility company at the outset of the project to coordinate the separate parts of the work necessary for the system.
(b.) Contractor shall apply for detailed information regarding the position of all equipment, where the final or required location may differ from those indicated on the drawings.
(c.) Upon completion of the work the Contractor shall leave all luminaires, poles, control centers, and other equipment in first class condition, free from dirt, dust and foreign materials. Glassware shall be cleaned with soap and water.
(d.) Schedule work for lighting system to coordinate with general roadway construction so that all work may be installed in most direct manner so that interference will be avoided.

5. *SYMBOLS*

In general, the electrical work is shown on the drawings by symbols and numerical designations, a key to which is indicated on the Plans.

. . . . . .

"INSTALLATION" *CONTINUED ON SHEET NO. 221*

GENERAL NOTES - LIGHTING

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INSTALLATION - *CONTINUED* . . . . . .

6. *LIGHTING STANDARD FOUNDATIONS*

(a.) Foundations shall conform to the design and details shown on the Plans and as specified herein.

(b.) Location of lighting unit foundation is referenced by a station on the roadway centerline and offset distance from from the roadway pavement. Contractor shall check the offset distances in field to prevent improper placements, stake out locations and obtain Engineer approval prior to excavation. Final position shall be adjusted to meet field conditions.

(c.) Unit price bid for standard foundations shall include furnishing and placing of concrete, anchor bolts, conduit ells, etc., and the cost of excavation backfill and disposal of surplus material.

(d.) Separate payment shall be made for each type of foundation furnished and modified foundations requiring additional work due to special locations.

8. *PULL BOXES*

(a.) Pull boxes shall be furnished and installed in accordance to Item S-25, Sect. S-25.12 and as specified and detailed on Plans.

(b.) A pull box shall be installed at the end of each duct crossing under the roadway and at other locations shown on the Plans.

(c.) Pull box shall be cast in place with duct integrated into box as detailed. Size shall be 20"x 20" with variable depth to suit duct location. Adjust size as specified.

(d.) Separate measurement shall be made for each pull box size. Payment shall be made at the contract unit price for each complete pull box installed in place and accepted.

9. *UNDERGROUND CONDUIT*

(a.) Underground conduit for roadway crossings, service cable extension and other uses shall be furnished and installed at the locations and in conformity to the design, details and dimensions shown on the Plans.

(b.) Conduit installation shall conform with requirements of Item S-25, Section S-25.08. Conduit shall be of the size, material and type indicated on the Plans.

(c.) Duct shall be laid with positive slope toward pull boxes and duct ends for drainage. Ducts shall cross roadways at right angles and follow roadway contour cross section at a uniform depth and alignment. Conduit shall be terminated with end bell or bushing as noted. Duct slope shall be 4" per 100 ft. min.

(d.) Ducts shall be mandrelled with iron shod mandrel 1/4" smaller than bore of conduit and shall be pushed through by means of jointed conduit rods. Mandrel shall have leather or rubber gasket slightly larger than conduit bore.

(e.) Ducts shall be plugged or capped to prevent seepage of grout water or dirt in them. Cap ducts with tapered plug until wiring is installed.

(f.) Duct trenches shall have essentially vertical walls so that a minimum of shoulder surface is disturbed. All ducts shall be provided with a number 10 gauge galvanized steel drag wire for pulling the permanent wiring. Bend sufficient wire in pull box to prevent it slipping back into duct.

INSTALLATION - *CONTINUED*

9. *UNDERGROUND CONDUIT* - (Continued)

(g.) Minimum depth to top of duct encasement shall be 24 inches. Extend duct into pull boxes provided at duct ends. All duct shall be terminated with pull box unless otherwise indicated. Conduits for future use shall be extended three feet beyond shoulder pavement, and capped and marked.

(h) Ducts shall be extended to service poles, control centers and attached to vertical risers as detailed. Adapter couplings for steel to non-metallic conduit shall be manufactured units specifically designed for conduit furnished.

(i) Payment for underground duct shall be made at the contract unit price and for each type and size of single-way or multi-way duct completed or accepted, which price shall be full compensation for furnishing and installing all materials, including, concrete, conduit, excavation, backfill for all preparation, assembly, restoration, surplus material disposal and for all labor, equipment, tools and incidentals required to complete the work.

10. *TRENCH*

(a.) Trench shall be provided for all underground cable at the locations and in conformity to the design, details and dimensions shown on the Plans.

(b.) Trench for cable may be excavated manually or with mechanical trenching equipment. Trench walls shall be essentially vertical so that a minimum of shoulder surface is disturbed. Graders shall not be used to excavate trenches with their blades.

(c.) Trench bottom shall be smooth and free of coarse aggregate. Minimum width of trench bottom shall be 9 inches for two cables. Minimum depth shall be 20 inches. The trench shall be widened where more than two cables are to be installed parallel in the same trench.

(d.) Bedding material shall consist clean commercial grade sand conforming to the requirements of Item M-2, Section M-2.1, Sand. Depth of trench at cable crossover points shall be increased three inches.

(c.) Cable trench shall be located with respect to paved shoulder as shown on the Plans.

(d.) Trenches shall not be excessively wet or contain pools of water during backfilling operations. Trench shall be backfilled in layers specified and shall be compacted with mechanical tampers to density specified under Item E-1, Roadway Excavation and Embankment, Table II, Condition I.

(e.) The quantity of trench to be paid for shall be the linear feet of trench including excavation backfill and reconditioning, completed and accepted.

(f.) Payment for trench shall be made at the contract unit price bid for trenching. Price shall include excavation, backfill, restoration, of any disturbed area disposal of surplus material, removal of rock, sand and graded backfill and for all preparation, labor, equipment, tools and incidentals necessary to complete this work. No separate payment shall be made for trenches of different widths.

11. *RESTORATION*

(a.) All areas disturbed by excavation required for installation of cable trench, pull boxes, ducts, lighting standard foundations, control center foundations, service poles, storing of excavated earth and other materials, cable laying and other work shall be restored to its original condition.

(b.) No separate payment shall be made for restoration. Cost of restoration shall be included in unit price bid for installation of roadway lighting system items which require excavation or otherwise cause existing ground surface to be disturbed.

INSTALLATION - *CONTINUED*

12. *WIRE AND CABLE*

(a.) Contractor shall install specified wire and cable at the locations indicated and in conformity to the details on the Plans. The Contractor shall be responsible for providing cable in continuous lengths for home runs or other long runs without splices.

(b.) Cable installed in conduit shall conform to Item S-25, Section S-25.09. Cable lubricant, where used, shall be suitable for cable type being installed.

(c) Cable plow shall not be permitted for installing cable in trench. Cables shall be unreeled in place alongside or in the trench and shall be carefully placed along the bottom of the trench after physical inspection. Cable shall not be unreeled and pulled in from one end. Sharp bends or kinks shall not be permitted.

(d.) Lateral spacing between cables in trench shall be three inches. Minimum distance between cable and trench wall shall be three inches. Cables crossing over each other shall have a minimum vertical displacement of three inches with top cable kept at 18 inches below grade.

(e.) Two feet of slack cable shall be provided in pull boxes located in bridge parapets. Cable shall be looped around the interior of each pull box at the ducts to provide a minimum of three feet of excess cable. Slack cable shall be provided at conduit used to bring cable above grade at poles or control centers.

(f.) Cable splices shall be performed only in lighting standard or in pull boxes. No buried splices or splices between lighting units shall be permitted unless otherwise designated on the Plans. Straight splices or Y splices shall be performed with specified splice kits. Wrapped splice as detailed shall be used in standard for extension of conductors to luminaire ballast and at pull box for extension across roadway.

(g.) Cable splice kits shall be installed in accordance to manufacturer's instructions a copy of which shall be furnished to the Engineer. Wrapped splice shall employ specified tapes and connectors with splice performed in accordance to manufacturer's instructions and the details on the Plans by experienced cable splicers.

(h.) The ends of cable exposed to weather, at service connections and at control centers shall be terminated and finished according to the cable manufacturer's recommendations.

(i) Payment shall be made at contract unit price for each type of cable or wire installed in trench, conduit or lighting standards. This price will be full compensation for all preparation, testing, splicing, and installation of the materials and for all labor, equipment, tools and incidentals necessary to complete this item. No separate measurement shall be made for cable installed in duct, trench, or lighting standards.

INSTALLATION - *CONT'D*

13. *PRIMARY SERVICE EQUIPMENT*

(a.) Primary service equipment shall conform to applicable National Electrical Manufactures Association Standards for, Transformers, Insulators, Lightning Arrestors and Fuse Links.

(b.) Primary metering transformers and associated equipment shall be installed in accorodance to the requirments of the governing utility. Basic design and spacing shall be adjusted as required.

14. *LIGHTING UNITS*

(a.) Roadway lighting units shall be furnished and installed in accordance with this specification at the locations and in conformity with the dimensions, designs and details shown on the Plans.

(b.) Lighting units shall be arranged in the distribution system as detailed and are designated by a letter number sequence which indicates its energizing circuit and position of the unit in the circuit.

(c.) Standard and bracket shall be as designated on the Plans and specified in the Proposal. Installation shall conform to the requirements of Item S-25, Section S-25.10, Standards. Standard shall be set vertical within two degrees. Brackets shall be perpendicular to centerline roadway or ramp at point of installation.

(d.) Luminaire type designated on Plans shall be installed on bracket and be furnished with specified lamp. Wiring shall conform to manufacturer's instructions. Specified ballast with design characteristics to suit system voltage shall be built in the luminaire.

(e.) Separate payment shall be made for each type of lighting standard, luminaire, lamp and ballast (when not part of the Luminaire) as included in the proposal.

(f.) Payment shall be made at the contract unit price for each type of lighting standard, luminaire and lamp installed in place and accepted which price shall be full compensation for furnishing all materials, for all preparation, assembly and installation of these materials and for the labor, equipment, tools and incidentals necessary to complete the items.

15. *GLARE SHIELDS*

(a.) Luminaires located within 75 feet of an overhead bridge structure and other luminaires indicated on the drawing shall be furnished with an outer glare shield.

(b.) Shields shall be aluminum, one piece design of the same manufacturer as the luminaire and shall reduce overall luminaire output by not more than two per cent. Include payment in price bid for luminaires.

16. *CONTROL CENTERS*

(a.) Control centers for roadway lighting distribution system shall be furnished and installed in accordance with this specification at the locations and in conformity with dimensions, design and details shown on the Plans.

(b.) Foundations and supports shall be constructed as detailed with concrete and steel conforming to specifications included herein. Control center foundation shall conform to general requirements specified for Standard Foundations. Steel support frame size shall be adjusted to suit cabinet size and mounting requirements.

(c.) Control center cabinets, electrical equipment, grounding and miscellaneous requirements shall conform to the size, rating and description shown on the Plans.

(d.) Wiring of the control centers shall be performed in accordance to the diagrams shown on the Plans. Wire and cable shall be furnished as a separate item unless otherwise indicated. Wrapped splices shall be utilized for taps as detailed on the Plans.

"INSTALLATION" *CONTINUED ON SHEET NO. 222*

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INSTALLATION - *CONTINUED*

16. *CONTROL CENTERS - (Continued)*

(e.) Paint cabinets, supports, conduits, and all exposed metal in accordance to the requirements of Item S-8, Painting. Painting shall consist of two primer coats and two finish coats of paint specified.

(f.) Separate measurement shall be made for each type and size of control center installed as completed units in place, ready for operation, and accepted.

(g.) Payment for control centers shall be made at contract unit price for each type and size completed and accepted. This price shall be full compensation for furnishing all materials including foundation and support frame, electrical equipment and wiring devices, cabinets; for all preparation, assembly and installation of these materials and for all labor, equipment, tools and incidentals necessary to complete this item.

17. *SERVICE POLE*

(a.) Service pole shall be furnished and installed in accordance with this specification at the location and in conformity with the dimensions, design and details shown on the Plans.

(b.) Pole shall be furnished unless otherwise indicated. Electrical equipment, grounding, wiring, cabinets and miscellaneous equipment shall be furnished and installed on the pole as detailed on the Plans. Equipment rating, size and design and wiring shall be as specified herein and designated on the Plans.

(c.) Final location of service pole shall be determined in the Field subject to Engineer and Utility Company approval. Adjustments shall be made as required without increase in contract price.

(d.) Service pole shall be measured as a completed unit in place, ready for operation and accepted.

(e.) Payment for service poles shall be made at the contract unit price for each type and size completed and accepted. This price shall be full compensation for furnishing all materials, for all preparation, assembly and installation of these materials, and for all labor, equipment and tools necessary to complete this item.

18. *GROUNDING*

(a.) Contractor shall furnish and install a permanent and effective grounding system for the lighting standards, control center, and service pole equipment, system non-current carrying components, lightning arresters and neutral conductors as specified herein and detailed on the drawings. Work shall comply with general requirements of Item S-25, Sec. S-25.13, Grounding.

(b.) Grounding conductors shall be attached by means suitable lugs, pressure connectors or clamps equivalent to type specified. Strip metal ground connectors shall not be used. Ground conductor shall be brazed or thermite welded to the ground rod.

(c.) Ground resistance shall not be greater than 20 ohms. Where resistance is greater than 20 ohms, additional rods shall be driven four to five feet apart until 20 ohms or less is secured. Where rock is encountered a counterpoise shall be installed using not less than No. 4 bare copper. This shall be carried underground to a location where good ground condition is found.

(d.) No separate payment shall be made for grounding. Grounding shall be considered as subsidiary work and cost shall be included in the unit price bid for contract items where grounding is specified or required.

19. *DUCT AND CABLE MARKERS*

(a.) Contractor shall furnish and install markers for location of underground duct and cable in accordance to this specification and as detailed and designated on the Plans.

INSTALLATION - *CONTINUED*

19. *DUCT AND CABLE MARKERS (Cont'd.)*

(b.) Marker design shall conform to details as shown on the Plans with appropriate information on top of slab.

(c.) Each cable run that deviates from the normal trench parallel to the Roadway shall be marked at each end and at approximately every 150 feet of the cable run. Additional markers shall be placed at each change of direction of cable runs.

(d.) Marker shall be placed above the ends of all ducts except where ducts terminate in a pull box or manhole. Ducts installed in open areas shall be marked as shown on the Plans.

(e.) No separate payment shall be made for markers. The cost of markers shall be included in unit price bid for duct and cable.

20. *TESTING*

(a.) Contractor shall furnish all necessary equipment and appliances for testing the underground cable circuits after installation. The Contractor shall test and demonstrate to the satisfaction of the Engineer the following:

1. That all lighting, power and control circuits are continuous and free from short circuits.
2. That all circuits are free from unspecified grounds.
3. That the resistance to ground of all multiple circuit conductors is not less than 10 megohms.
4. That all circuits are properly connected and operable.

(b.) Resistance measurements shall be made with ballast connected in the circuits. Tests shall be made with a 500 volt Megger in the presence of the Engineer. Record of all tests shall be furnished in triplicate to the Engineer.

(c.) Testing shall be considered a subsidiary work item pertaining to cable and costs shall be included in unit price bid for cable.

21. *COMPLETION, INSPECTION & PERFORMANCE TEST*

(a.) Exclusive of equipment furnished by Ohio Edison Co, the roadway lighting system under this contract shall be complete in every detail and free from all short or open circuits, improper connections, inferior workmanship, damaged or inferior materials.

(b.) Prior to completing the service connections, the system shall be subject to such inspection as may be prescribed by the responsible state or local inspection authorities. All system deficiencies shall be corrected.

(c.) After the service connections have been completed, the entire lighting system shall be operated from sunset to sunrise each night for a period of one week prior to acceptance. During this test operation the Contractor shall, at no extra cost to the State, correct all defects which may develop.

(d.) The Contractor shall be responsible for all electrical energy costs for operation of this lighting system during this above specified test period.

(e.) Performance tests shall be considered as a subsidiary work item pertaining to the lighting unit components and costs shall be included in the unit price bid for these items.

22. *CABLE CODE*

(a.) All cables and wires shall be fully coded for future maintenance and testing.

(b.) Wires in lighting standards shall be color coded. Cables in control center shall be coded with numbers or letters with chart on the cabinet door to define the coding.

INSTALLATION - *CONTINUED*

22. *CABLE CODE (Cont'd.)*

(c.) Direct burial cable shall be marked on the jacket surface with numerical or alphabetical symbol to identify each individual cable where grouped in trench, pull box or control center. Marking shall be done by cable manufacturer in a permanent and effective manner and shall be repeated at a maximum spacing of twelve (12) inches.

(d.) Coding shall be uniform throughout the project wiring system.

(e.) Coding shall be considered a subsidiary item pertaining to cable and costs shall be included in unit price bid for cable.

23. *AVERAGE "MAINTAINED - IN - SERVICE" ILLUMINATION*

These lighting plans have been based upon a resulting minimum illumination intensity set forth in the State of Ohio Department of Highways' "Design Criteria for Highway Lighting" (Section B-Freeways) as follows:

Location	Classification	Level
Massillon Road Int.	Outer Belt	0.6-0.8

24. *LIGHTING UNIT FUSE PROTECTION*

(a.) Contractor shall furnish and install a fuse connector for each lighting unit in accordance with this specification at the locations and in conformity with the details shown on the Plans.

(b.) Connector shall be specified molded rubber, disconnecting type complete with high capacity fuse and shall be installed in the non-grounded conductor extended from the distribution cable at base of the standard to the luminaire.

(c.) Connector kit shall be installed in strict conformity to the manufacturer's instructions. Wire shall fit tightly in fuse housing. Specified fuse shall be furnished and installed in connector. Wrap connector at joint with two layers of one-half lap Scotch Electrical Tape No. 33 or approved equal.

(d.) Payment for fuse connectors shall be at the contract unit price for each connector with fuse installed in place and accepted.

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ESTIMATED QUANTITIES - LIGHTING

ITEM NO.	UNIT	DESCRIPTION	ROADWAY SHEET NO. 227	ROADWAY SHEET NO. 228	ROADWAY				Ⓐ BRIDGE NO. SUM-8-0456 L & R SHEET NO. 245						SHEET NO.						PROJECT TOTAL Ⓑ	ITEM NO.
																						S-25
S-25	Ea.	Luminaire - Type III with Integral 400 W. Ballast	62						2												62	S-25
S-25	Ea.	Standard Anchor Assembly with Pull Box							2													S-25
S-25	Ea.	Mercury Vapor Lamp - ASA Type, Code H33-1GL/W	62						2												62	S-25
																						S-25
S-25	Ea.	Standard with 12 Foot Bracket - Type B - Union Metal Mfg. Co. Cat. No. H-270-E2 Design 440A or equal.	20																		20	S-25
S-25	Ea.	Standard with 15 Foot Bracket - Type C - Union Metal Mfg. Co. Cat. No. J-270-F2 Design 440A or equal.	41																		41	S-25
S-25	Ea.	Standard with 12 Foot Bracket - Type D - Union Metal Mfg. Co. Cat. No. H-220-E2 Design 440A or equal.	1						-												1	S-25
S-25	Ea.	Standard with 12 Foot Bracket - Type E - Union Metal Mfg. Co. Cat. No. H-250-E2 Design 440A or equal.							2													S-25
S-25	Ea.	Standard Foundation	62																		62	S-25
S-25	Ea.	Pull Box - 20"x20"	20																		20	S-25
S-25	L.F.	Distribution Cable - 1/c No. 6 - 3000 V.	30100																		30100	S-25
S-25	L.F.	Service Cable - 1/c No. 2/0 - 600 V. - RHW - USE	500																		500	S-25
S-25	L.F.	Trenching	13100																		13100	S-25
S-25	L.F.	Standard and Bracket Wire-1/c No. 8 - 600 V	6200						200												6200	S-25
S-25	L.F.	Concrete Encased Conduit - Single 4" Asbestos Cement	444	377																	821	S-25
S-25	L.F.	Service Conduit - Double 2 1/2" Rigid Steel Conduit	210																		210	S-25
S-25	Ea.	Fuse Connectors	64																		64	S-25
S-25	Ea.	Primary Service Pole - Control Center No. 1	1																		1	S-25
S-25	Ea.	Control Center	1																		1	S-25

Ⓐ Items tabulated herein are included in bridge quantities under Item S-25, Electrical Lighting System - Sh. No. 245 and are listed for reference purpose to define quantity and type.

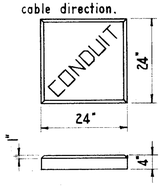
Ⓑ Does Not Include Bridge Items.

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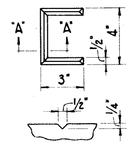
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Impress arrow on top of marker to indicate cable direction.



Cl."C" CONCRETE MARKER

Dimensions shown are for all symbols impressed in marker.

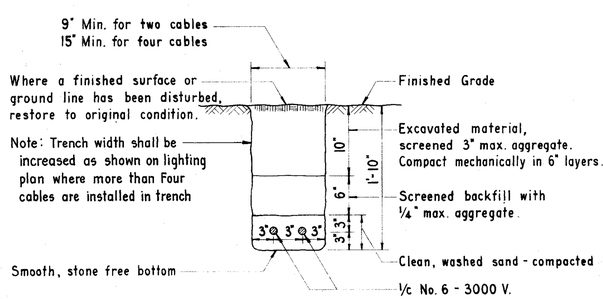


Sec. "A-A"

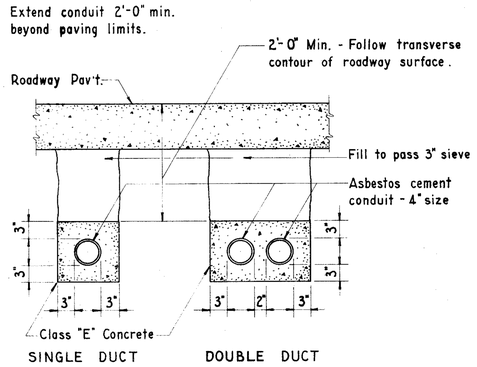
TYPICAL SYMBOL

Note:
Impress the word CONDUIT or CABLE in the top of marker using letters of the type and dimensions as per details.

MARKER DETAIL

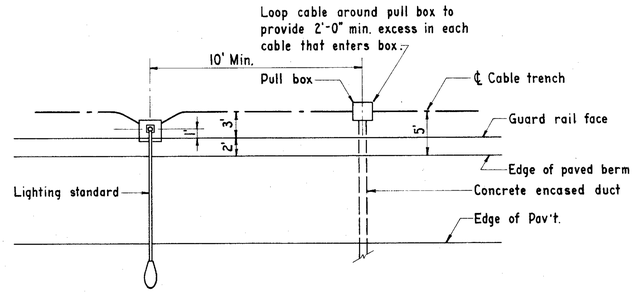


CABLE TRENCH DETAIL



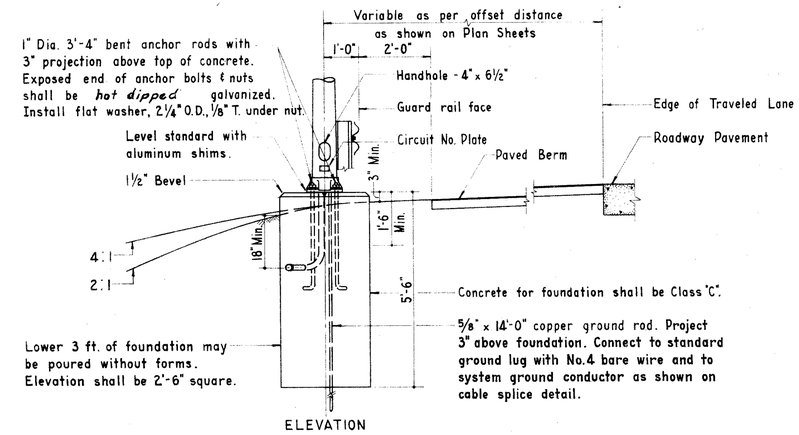
SINGLE DUCT DOUBLE DUCT

CONCRETE ENCASED CONDUIT

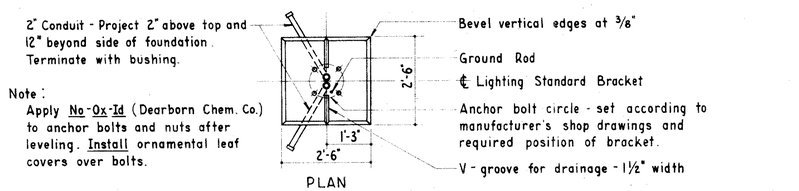


PLAN

CABLE AND PULL BOX LOCATION

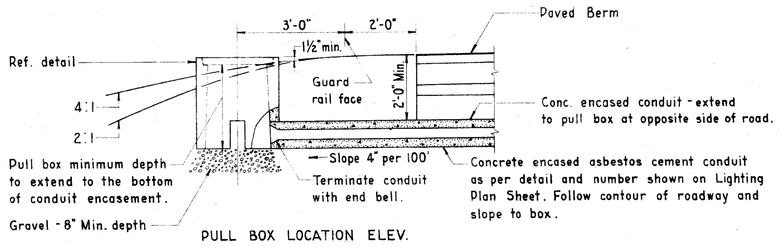


ELEVATION



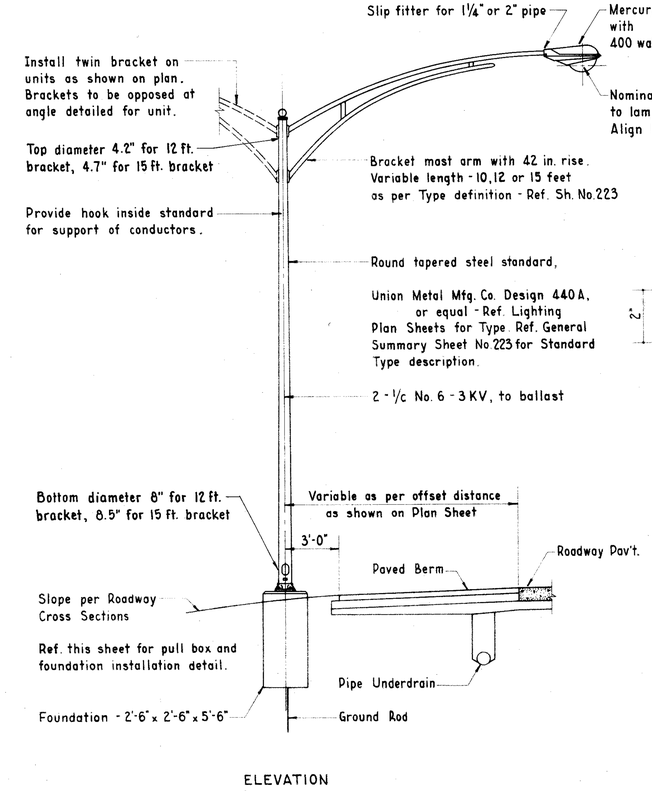
Note:
Apply No-Ox-Id (Dearborn Chem. Co.) to anchor bolts and nuts after leveling. Install ornamental leaf covers over bolts.

PLAN



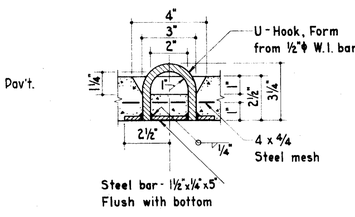
PULL BOX LOCATION ELEV.

PULL BOX AND LIGHTING STANDARD FOUNDATION DETAIL



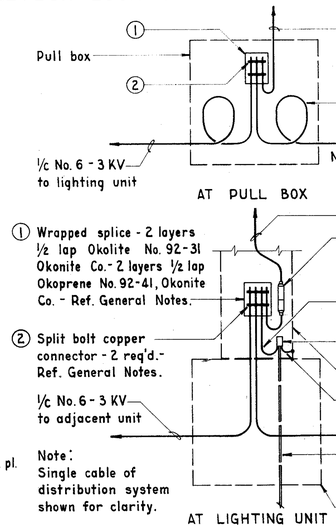
ELEVATION

TYPICAL LIGHTING UNIT AND INSTALLATION DETAIL



CIRCUIT NUMBER PLATE

LIFTING HOOK



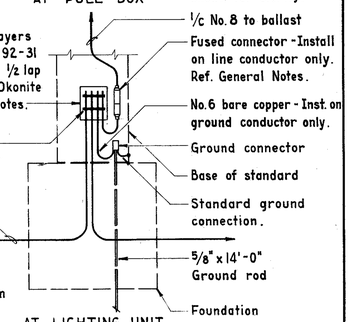
AT PULL BOX

① Wrapped splice - 2 layers ½ lap Okolite No. 92-31 Okonite Co. - 2 layers ½ lap Okoprene No. 92-41, Okonite Co. - Ref. General Notes.

② Split bolt copper connector - 2 req'd. - Ref. General Notes.

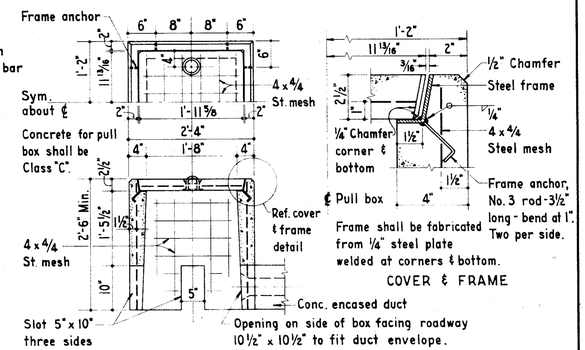
½c No. 6 - 3 KV to adjacent unit

Note: Single cable of distribution system shown for clarity.



AT LIGHTING UNIT

CABLE SPLICE DETAIL



COVER & FRAME

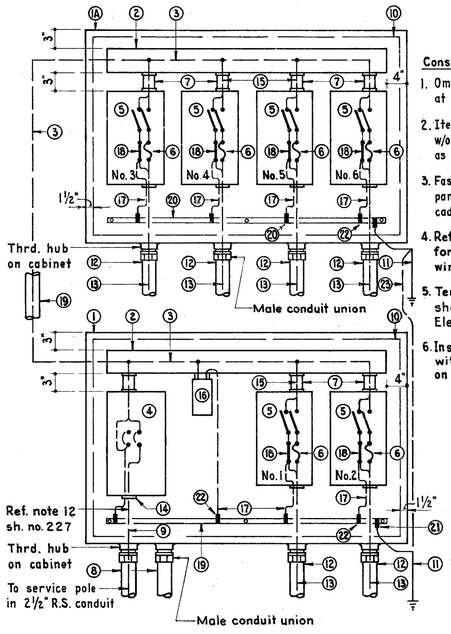
PULL BOX DETAIL

LIGHTING DETAILS

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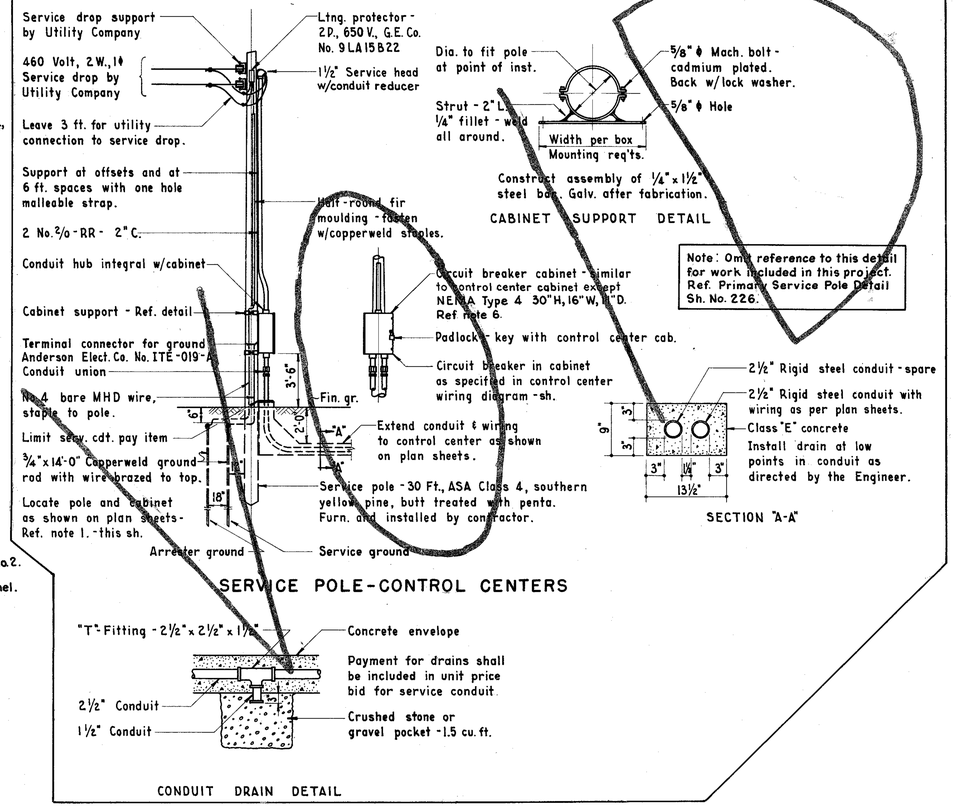
Construction Notes

1. Omit switch no.5 & no.6 at control center no.1.
2. Item 2 shall be furn. w/o knockouts. Drill holes as required to suit.
3. Fasten all equipment to panel with ¼" bolts - cadmium plated.
4. Ref. sh. no. 227 for control center wiring diagrams.
5. Terminal connectors shall be Anderson Electric Co. or equal.
6. Install metal plate with circuit letter on switch door.

EQUIPMENT AND MATERIAL LIST

(1) Cabinet no.1
(1A) Cabinet no.2 - Ref. det. this sheet.
(2) 4 Inch square duct - fasten to back panel
(3) 2 No. 2/0-RHW, Cont. Ctr. no.1
(4) Circuit breaker, variable trip, 2P., 600V., JK-Fr., 225 A., NEMA 12 encl., ambient compensated - Equal to West. Corp. AB-1, Cat. No. C-JK2150
(5) Safety switch - fusible, 600V., 60A., 2P., heavy duty, NEMA 12 encl. - Equal to West. Corp. Cat. No. JHF-262, furnish padlock for each switch.
(6) Dual element fuse - 600 volt size, Bussman Mfg. Co., Fusetron or equal - Ampere rating as shown on lighting plan sheets.
(7) Steel conduit - 1½" x 3" L.
(8) 2½" Steel conduit to service pole - Ref. det. this sh.
(9) 2 No. 2/0-RHW, Cont. Ctr. no.1
(10) Equipment mounting panel - 10 ga. steel
(11) Cabinet ground - Ref. detail this sheet
(12) 2" Steel conduit riser - Ref. Control Center Detail this sh.
(13) 2 1/c No. 6 - 3KV to circuits and lighting units as per lighting plan sheets - Ref. Plan Note 9 sh. no. 227
(14) Bushing - 1½" size O.Z. Mfg. Co. Type BL
(15) 2 1/c No. 6 - Type RHW
(16) Lightning protector - 2P., 650V., G.E. Co. No. 9LA15B12 or equal
(17) No. 4 bare MHD wire
(18) Solid copper fuse link
(19) 2" Steel conduit between back of cabinet no.1 and back of cabinet no.2.
(20) Ground bus - 1½" x ¼" copper bar. Mount with ⅜" bolts ¾" off panel.
(21) Connector no. ITE-022-A
(22) Connector no. ITE-019-A
(23) No. 1/0 solid bare copper

CONTROL CENTER WIRING DIAGRAM

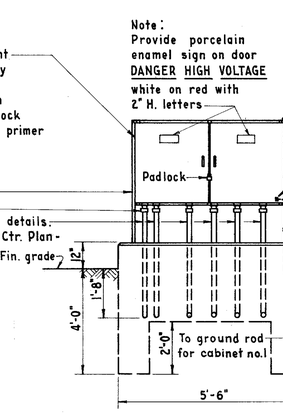


SERVICE POLE-CONTROL CENTERS

CABINET SUPPORT DETAIL

Note: Omit reference to this detail for work included in this project. Ref. Primary Service Pole Detail Sh. No. 226.

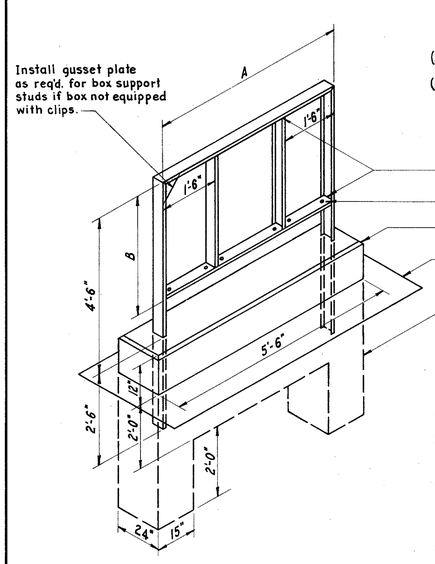
SECTION "A-A"



CONDUIT DRAIN DETAIL

NOTES

1. Final location of service pole and control center shall be determined by the area utility company as shown on the Plans and the Engineer.
2. Paint all exposed conduit, supports and cabinets of the service poles and control centers in manner specified for painting under Installation Section 16, Control Center, in the General Notes.
3. All hardware shall be galvanized or *be of corrosion resisting material.*
4. Padlocks for cabinets shall have brass body and wrought iron shackle equal to Russwin No. 2882 MK. Furnish two keys per lock and three master keys.
5. Reference General Notes - sh. 220, 221 & 222 for material specifications.
6. Circuit breaker on service pole shall be connected in manner shown for control center circuit breaker. Connect grounded conductor to cabinet ground assembly.
7. Conduits shall be extended from control center to pull box or lighting foundation as shown on Lighting Plan Sheets. Cost shall be included in unit price bid for control center. Direct conduits as shown on control center plan. Ref. sh. no. 227



(A) = 4'-6" + 2 x Box mounting flange req'ts. horiz.
(B) = 3'-0" + 2 x Box mounting flange req'ts. vert.

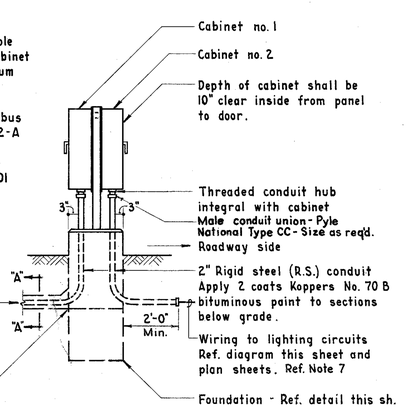
Cut flange and fit horiz. member into vertical member.
1" dia. hole
Chamfer edge at 1" - crown top surface
Finish grade
Concrete footer - 2'-0" W. x 5'-6" L. x 5'-0" D. Pour top 2'-6" with forms. Concrete shall be Class "C".

FABRICATION NOTES

1. Unit shall be constructed of 4" channel at 7.25 pounds.
2. Frame shall be weld assembled.
3. Weld shall be ¼" continuous for full length of contact between joined sections.
4. Shop drawings shall be submitted prior to fabrication.
5. Dimensions of frame to suit control center cabinet mounting req'ts. Adjust basic size as req'd.
6. Furnish clips and misc. supports as req'd.
7. Paint support as specified under note 2 after cleaning and application of prime coat.

CONTROL CENTER SUPPORT DETAIL

FRONT ELEV.



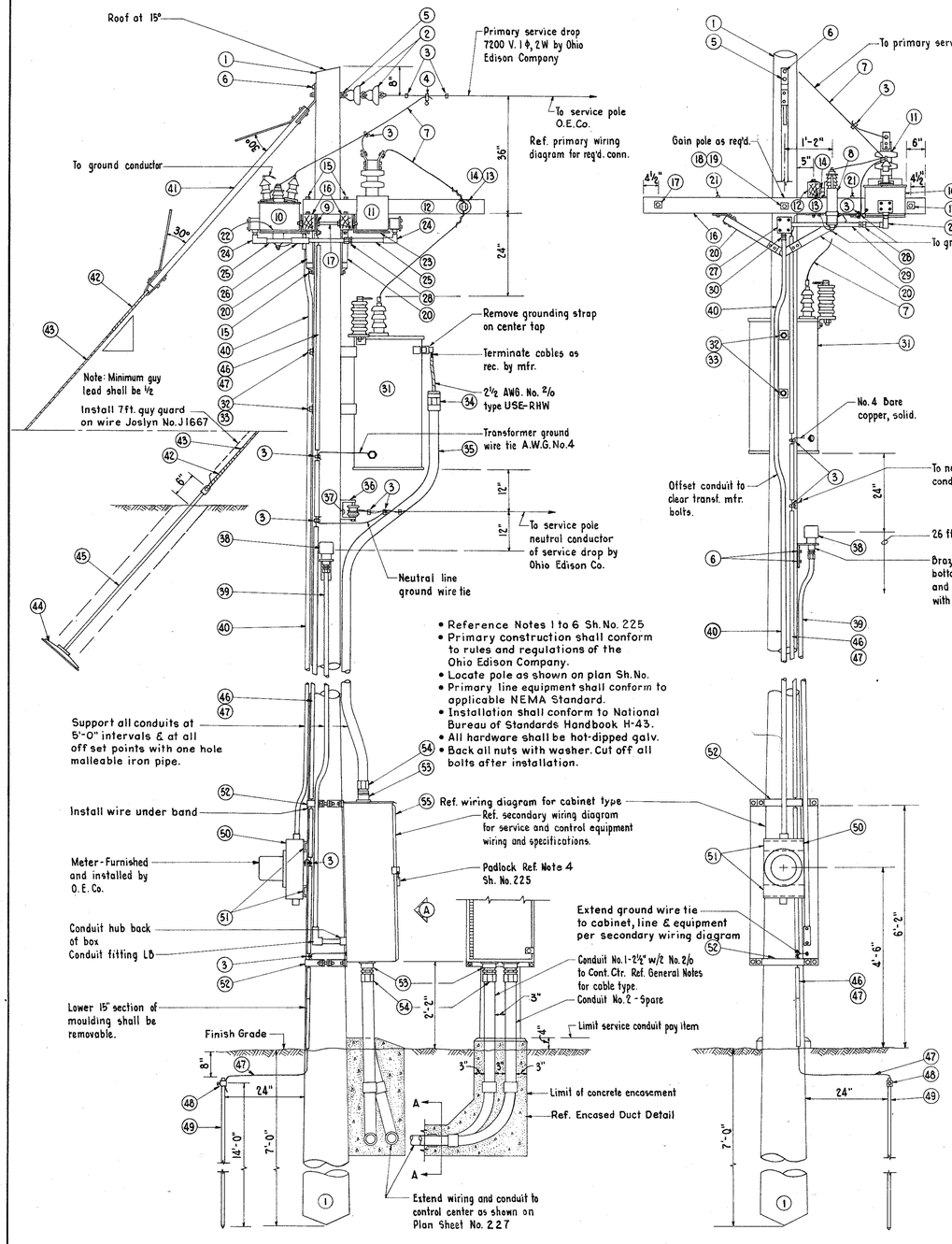
SIDE ELEV.

CONTROL CENTER DETAIL

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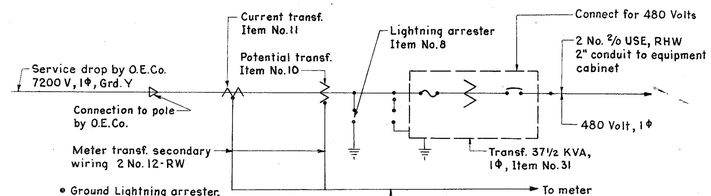


- Reference Notes 1 to 6 Sh. No. 225
- Primary construction shall conform to rules and regulations of the Ohio Edison Company.
- Locate pole as shown on plan Sh. No.
- Primary line equipment shall conform to applicable NEMA Standard.
- Installation shall conform to National Bureau of Standards Handbook H-43.
- All hardware shall be hot-dipped galv.
- Back all nuts with washer. Cut off all bolts after installation.

PRIMARY SERVICE POLE - CONTROL CENTER NO. 1
SCALE 1" = 20"

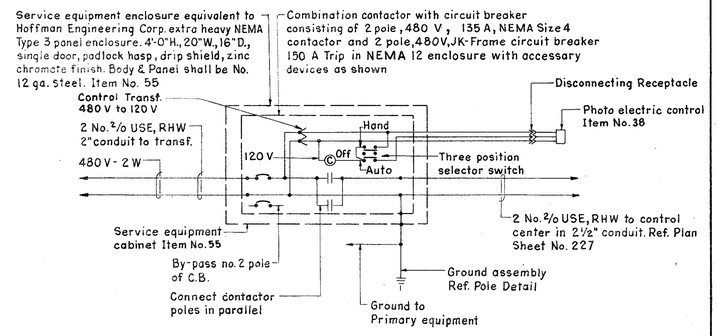
MATERIAL AND EQUIPMENT LIST

1. Wood pole - 45 ft. Class 3 so. yellow pine or red cedar full treated pentachlorophenol conforming to ASA spec. 051 - 1948
2. Suspension insulator - Locke No. 6605
3. Solderless connector, split bolt, Joslyn Type GP, size as req'd.
4. Hot line clamp, Chance Co. Type AGP, size as req'd.
5. Eye bolt 5/8" Φ x req'd. length - back with square washer
6. Lag screw ½" Φ x 5"
7. Copper wire A.W.G. No. 6, solid, M.H.D.
8. Lighting arrester, 9 KV, expulsion type Joslyn No. 9231 P
9. Lighting arrester cross arm mounting bracket Joslyn No. 9201-E
10. Potential transformer 15 KV class furnished by Ohio Edison Co. installed by Contractor
11. Current transformer 15KV class furnished by Ohio Edison Co. installed by Contractor.
12. Extension cross arm, douglas fir, 3½" x 4½" x 4'-6" L.
13. Pin type insulator Locke No. 9995 NP
14. Insulator pin, steel, 5" ht. 5/8" shank, screw type Joslyn No. J 230.
15. Machine bolt 5/8" Φ x req'd. L., E.E.I. spec. TD-1
16. Cross arm, douglas fir, 3½" x 4½" x 7'-0" L.
17. Double arming bolt 5/8" Φ x 18"
18. Machine bolt 5/8" Φ x 18"
19. Square washer 2¼" x 2¼" x 3/16" with 13/16" Φ hole
20. Cross arm brace, apitong wood, Joslyn J 5511
21. Machine bolt ½" Φ x 6"
22. Potential transformer mounting bracket, furnished by O.E.Co. installed by Contractor
23. Current transformer mounting bracket furnished by O.E.Co. installed by Contractor
24. Conduit fitting 1" LB
25. Rigid steel conduit 1" W/2 No.12 RW
26. Conduit fitting 1" x 1" x 1" T
27. Cast Junction Box, 4" w. x 5" h. 4" d. offset as req'd.
28. Conduit union, female, 1"
29. Rigid steel conduit 1" W/4 No.12 RW
30. Conduit union, male, 1¼"
31. Transformer self-protected type, single phase, 37.5 KVA, 12470 GRD Y/7200 volt to 240/480 volts, Class D-2 with four 2½ % taps below normal. West. Corp. Type CSP or equal.
32. Machine bolt ¾" Φ x req'd. length.
33. Curved square washer 3" x 3" x ¼" W/ 11/16" hole
34. Cable terminator O.Z. Elect. Mfg. Co. No. CRC 200
35. Rigid steel conduit 2" W/2 No. 2/0 USE-RHW Ref. General Notes Sh. No. 220, 221 & 222
36. Insulated secondary clevis Joslyn No. J-193
37. Carriage bolt 5/8" Φ x req'd. length
38. Photo electric control, 120 volt, 1000 w, on-3 F.C. off 5 F.C., Fisher-Pierce Co. No. 6601 A, adapt bracket for conduit connection.
39. Rigid steel conduit 1" W/3 No. 12 USE, RHW
40. Rigid steel conduit 1¼" W/4 No. 12 USE, RHW
41. Wood strain insulator 1¾" x 1¾" apitong, Joslyn No. J 2405 Type I
42. Preformed guy grip, galvanized steel, ⅜" size
43. Guy wire, ⅜" Φ, 7 str. utilities grade 11,500 # min. strength.
44. Two way expanding anchor Kearney No. 8136
45. Anchor rod, single thimbleye ⅝" Φ x 8'-0" Kearney No. 8608
46. Half round fir wood moulding, fasten w/copperweld staples
47. Ground wire A.W.G. No. 4, solid
48. Bronze grounding wire clamp Anderson Electric No. GC-5
49. Ground rod ⅝" x 14" Joslyn No. 8508 Terminal rod and Joslyn No. 8306 Intermediate rod
50. Meter socket, furnished by O.E.Co. installed by Contractor
51. Meter mounting channels 2" x req'd. L, by Contractor
52. Pole band for service equip. cabinet, Ref. Detail this sheet
53. Conduit hub welded on cabinet, size as req'd.
54. Conduit union, male, size as req'd.



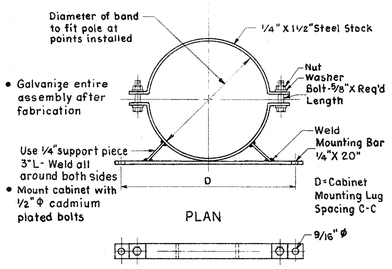
- Ground Lightning arrester, meter transf. case, distr. transf. case, service neutral to service ground system.
- Ref. material and equipment list for Item No. description

PRIMARY WIRING DIAGRAM

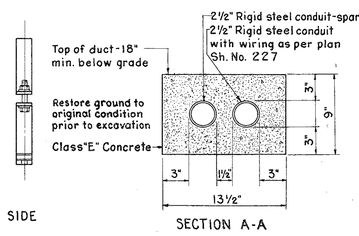


- Ground cabinet, contactor case, neutral conductor, meter socket to ground assembly
- Combination contactor shall be basically equivalent to Square D Co. Class 8539 starter modified as specified.

SECONDARY WIRING DIAGRAM



POLE BAND DETAIL
N.T.S.



Connect duct to pull boxes as per detail on Sh. No. 224

CONCRETE ENCASED CONDUIT DETAIL
N.T.S.

LIGHTING DETAILS

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LEGEND

- Lighting Unit Assembly - Type III Luminaire
- A-1 Unit Circuit Number
- Distribution Cable, 2 - 1/c No.6 - 3000 V. Insulation
- Conduit - 4" Asbestos Cement - Conc. Encased
- Service Conduit, 2 - 2½" Concrete Encased
- Distribution Cable, 2-1/c No. 6 - 3000 V. Insulation
- Control Center
- Service Pole with Service Equipment - Primary Type
- Pull Box
- Cable or Duct Marker
- Existing Utility Company Pole

UNIT PLAN INFORMATION KEY

Unit offset distance between standard ℄ and roadway edge.

Bridge units shall be installed on parapet at locations noted.

Lighting unit assembly

Unit circuit number

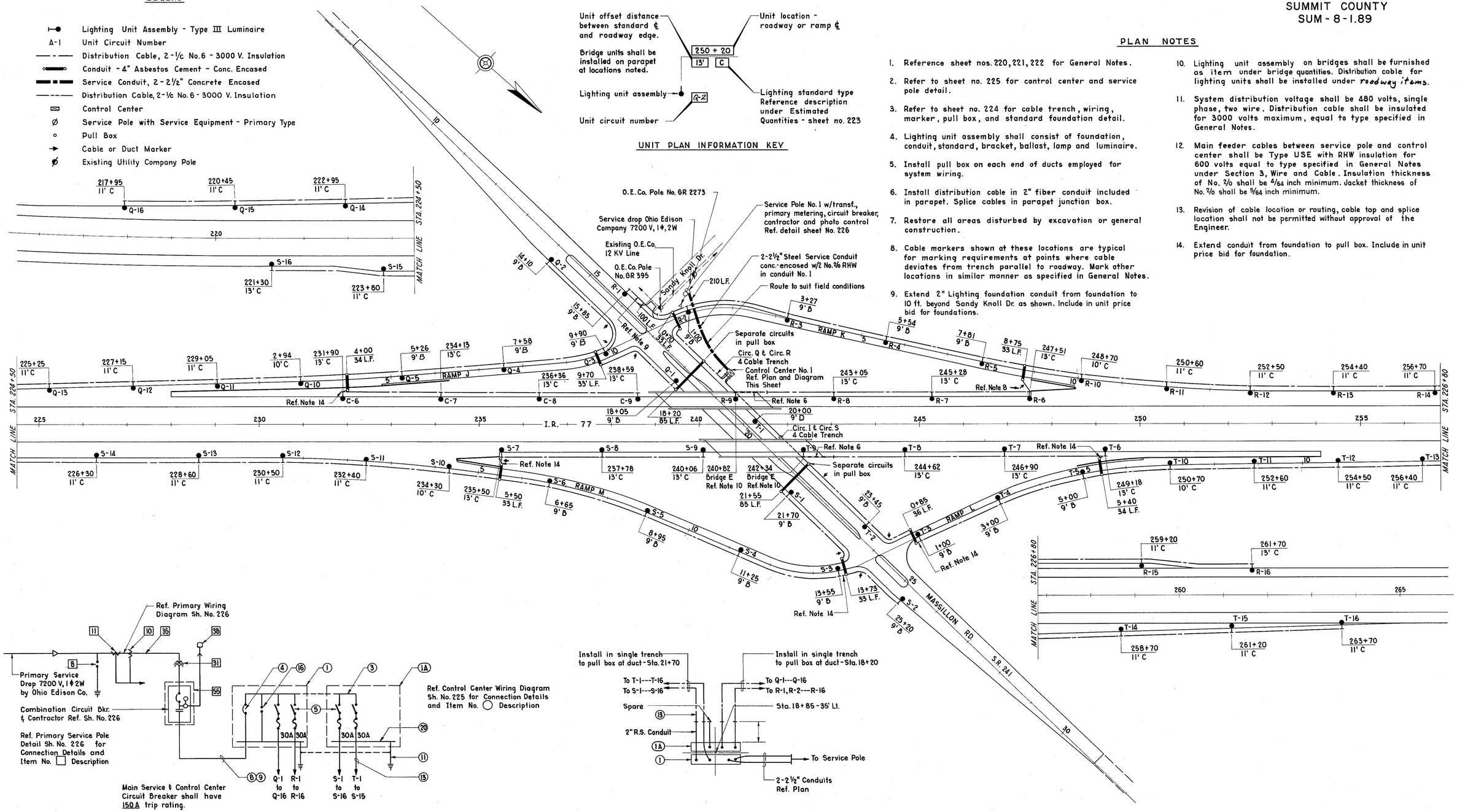
250 + 20 | 13' | C

Unit location - roadway or ramp ℄

Lighting standard type Reference description under Estimated Quantities - sheet no. 223

PLAN NOTES

1. Reference sheet nos. 220, 221, 222 for General Notes.
2. Refer to sheet no. 225 for control center and service pole detail.
3. Refer to sheet no. 224 for cable trench, wiring, marker, pull box, and standard foundation detail.
4. Lighting unit assembly shall consist of foundation, conduit, standard, bracket, ballast, lamp and luminaire.
5. Install pull box on each end of ducts employed for system wiring.
6. Install distribution cable in 2" fiber conduit included in parapet. Splice cables in parapet junction box.
7. Restore all areas disturbed by excavation or general construction.
8. Cable markers shown at these locations are typical for marking requirements at points where cable deviates from trench parallel to roadway. Mark other locations in similar manner as specified in General Notes.
9. Extend 2" Lighting foundation conduit from foundation to 10 ft. beyond Sandy Knoll Dr. as shown. Include in unit price bid for foundations.
10. Lighting unit assembly on bridges shall be furnished as item under bridge quantities. Distribution cable for lighting units shall be installed under roadway items.
11. System distribution voltage shall be 480 volts, single phase, two wire. Distribution cable shall be insulated for 3000 volts maximum, equal to type specified in General Notes.
12. Main feeder cables between service pole and control center shall be Type USE with RHW insulation for 600 volts equal to type specified in General Notes under Section 3, Wire and Cable. Insulation thickness of No. 2/0 shall be 4/64 inch minimum. Jacket thickness of No. 2/0 shall be 5/64 inch minimum.
13. Revision of cable location or routing, cable tap and splice location shall not be permitted without approval of the Engineer.
14. Extend conduit from foundation to pull box. Include in unit price bid for foundation.



WIRING DIAGRAM - SYSTEM SERVICE AND CONTROL CENTER

PLAN AT CONTROL CENTER NO. 1

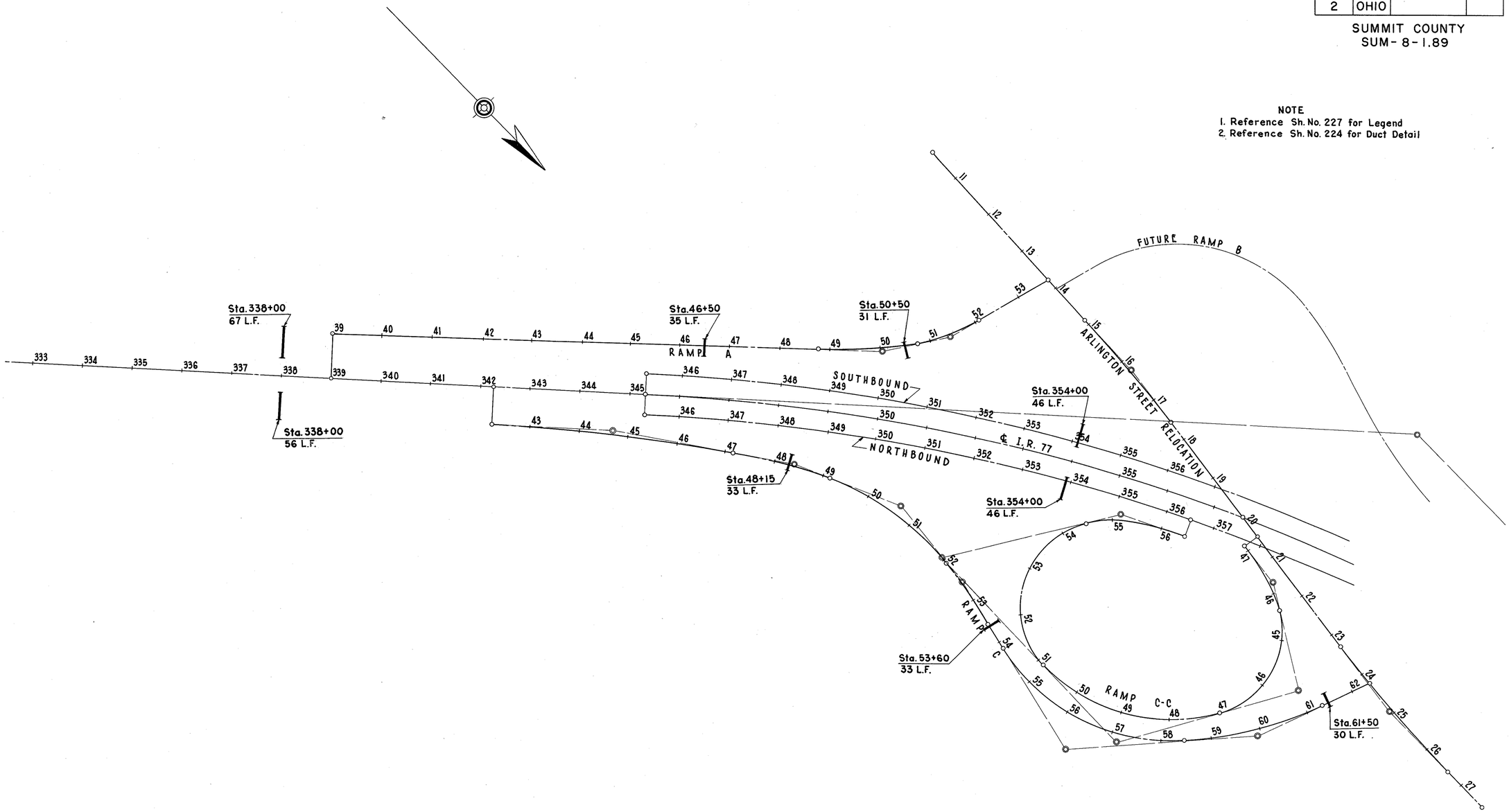
LIGHTING PLAN

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NOTE
1. Reference Sh. No. 227 for Legend
2. Reference Sh. No. 224 for Duct Detail



LIGHTING CONDUIT
ARLINGTON STREET INTERCHANGE
SCALE: 1" = 100'

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GENERAL NOTES

1. REFERENCE shall be made to Std. Drwgs. RB-1-55 and CSB-2-56-Sheets 2 and 3 of 6 all revised 2-2-59; to Std. Drwg. AR-1-57 revised 12-12-60; to Supplemental Specifications M-206.14 dated 7-15-49, to Supplemental Specifications S-307 dated 8-23-60 and to Supplemental Specification S-207.10 dated 4-25-61.

2. DESIGN SPECIFICATIONS: These structures conform to the requirements of "Design Specifications for Highway Structures," of the State of Ohio, Department of Highways, dated 9-1-57 as revised 2-21-58.

3. EXCAVATION AND BACKFILL: Excavation quantity includes the removal of material between the surface of proposed embankment and the bottom of abutment footings.

4. PILES for the bridges listed below shall be driven to firm contact with rock. If the length of penetration is approximately equal to the depth to rock according to the bridge foundation investigation report, the firm contact shall be considered as attained when the capacity according to the formula in Sec. S-18.05 is not less than the following value for a pile hammer of the indicated energy rating. (All values in tons.)

Bridge No.	Substr. Unit	Hammer Rating - ft. lbs. 7,000	11,000	15,000 or over	Design Load
SUM-8-0285	Abut. 1	40	35	30	30
	Pier 1	-	50	45	35
	Pier 2	-	50	45	35
	Pier 3	-	50	45	35
	Abut. 2	40	35	30	30
SUM-8-0379	Abut. 1 & 2	34	25	25	25
	Piers 1,2 & 3	-	40	35	35
SUM-8-0456 L & R	Abut. 1	-	43	35	35
	Piers 1,2 & 3	-	34	31	31
	Abut. 2	-	43	35	35
SUM-8-0554	Abut. 1	-	41	34	34
	Piers 1,2 & 3	-	43	35	35
	Abut. 2	-	41	35	34

If no value is tabulated under a 7,000 ft. lb. hammer, an 11,000 ft. lb. or greater hammer shall be used for driving. If the energy rating of the hammer used is between the ratings as shown above, the required formula capacity shall be determined by interpolation.

5. CONCRETE DECK PLACING: In order to facilitate water curing of the concrete of the deck slab, the placing of concrete shall progress upgrade. The slab may be placed in sections, between transverse construction joints which are parallel to transverse reinforcing steel and are located near the center of the span.

6. WELDING of Structural Steel shall be Class "A" except as otherwise shown. Welds shown as field welds may, at the option of the Contractor, be made in the shop.

7. FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of rod soundings and soil-sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in the Division office, but the State assumes no responsibility for the accuracy thereof.

8. RAILING POST BEARING PADS: A 1/8" premoulded bearing pad as per Sec. M-10.11 shall be used under each aluminum railing post. These pads shall be included with the railing for payment.

9. BEAM WEB WELDS: Butt welds in webs of beams may have convex reinforcement in accordance with Sec. S-7.22. Finishing flush by grinding is not required.

DETAIL NOTES

A. EMBANKMENT PROCEDURE: Embankment shall be placed and compacted up to the finished spill-thru slope and to the level of the subgrade for a distance of 200 feet back of the abutments at least 30 days prior to construction of substructure units supported thereon.

Continued

DETAIL NOTES - *Continued*

Excavation shall then be made for the abutments that are set in the filled area after which piles shall be driven.

B. POROUS BACKFILL, 2 ft. thick, shall extend as follows:
(a) For open ends abutments: upward to the approach slab and to the surface of the earth shoulders, and outward to the surface of the embankment slopes.
(b) For closed ends "U-Type" abutments: upward to the approach slab, and outward to the inside face of wingwalls.

C. SLAB THICKNESS: The quantity of deck concrete to be paid for shall be based on the nominal slab thickness from top of slab to top of beam for rolled beam structures and from top of slab to bottom of top flange for welded girder structures as indicated on the superstructure detail sheets, even though deviation therefrom may be necessary because the top flange of the beams or girders may not have the exact camber or conformation required to place them parallel to the finished grade.

D. BEAM SPLICE WELDING PROCEDURE: (Rolled Steel Beam Structures)

1. Raise end of beam at Pier No. 2 the tabulated distance "X".

2. Butt-weld beam flanges and web at Pier No. 1, using the following sequence: make two passes on each flange, then two on the web; repeat, using one pass at each location until the welds are completed.

3. Weld top and bottom flange moment plates at Pier No. 1.

4. Lower end of beam at Pier No. 2.

5. Make splice at Pier No. 2 and Pier No. 3 in the same manner raising the end of the beams "Y" inches at Pier No. 3 and "Z" inches at Abutment No. 2.

Bridge No.	"X"	"Y"	"Z"
SUM-8-0379	2-3/8"	3-1/4"	3/4"
SUM-8-0456	1-1/8"	1-1/8"	0

E. REINFORCING STEEL LISTS:

BAR SIZE is indicated in the bar mark. The first digit where three digits are used, and the first two digits where four are used, indicate the bar size number. For example, A700 is a No. 7 size bar and A1014 is a No. 10 size.

REPLACEMENT BARS: If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Highway Testing Laboratory, test samples as provided in Sec. S-4.02 need not be furnished and replacement bars will not be required.

SPIRAL REINFORCING BARS: The "Length" shown in the steel list for the spiral bars is the distance from the top of the footing to the bottom of the pier cap. The "No. of Turns" shown is the "Length" divided by the pitch, plus 3 turns (total number of closed coils), expressed as the nearest whole number. Spiral reinforcing bars shall not have deformations but shall in other respects conform to Item S-4. 1-1/2 closed coils shall be provided at the ends of each spiral unit. Four steel channel, tee or angle spacers, weighing approximately 0.68 lb. per lin. ft. of spacer, shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of these spacers, based on 0.68 lb. per lin. ft., will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars.

F. DECK SLAB HAUNCH: The haunch in the deck slab adjacent to the top of the steel beams, which is shown as 9" wide, may vary from this dimension with a minimum of 6" and a maximum of 12". Maximum slope of haunch shall be one vertical to four horizontal. Payment for deck slab concrete shall be based on the 9" width.

Continued

DETAIL NOTES - *Continued*

G. SHOP PAINTING STEEL: The surface preparation of all steel, requiring shop painting as per the Plans and Specifications, shall be accomplished by blast cleaning or power tool cleaning, except as noted in the specifications regarding the use of Chromate Primers.

H. MACHINE FINISH: The top of the concrete bridge deck shall be machine finished as per Sec. S-1.23.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

GENERAL NOTES FOR STRUCTURES

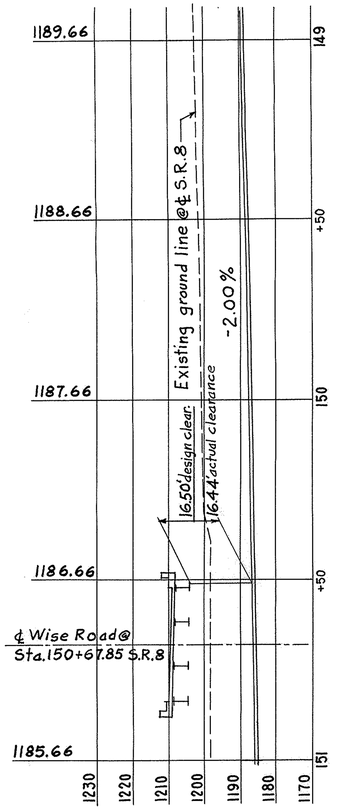
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E.A.M.		D.M.T.	D.W.P.	L.G.H. 10/26/61	

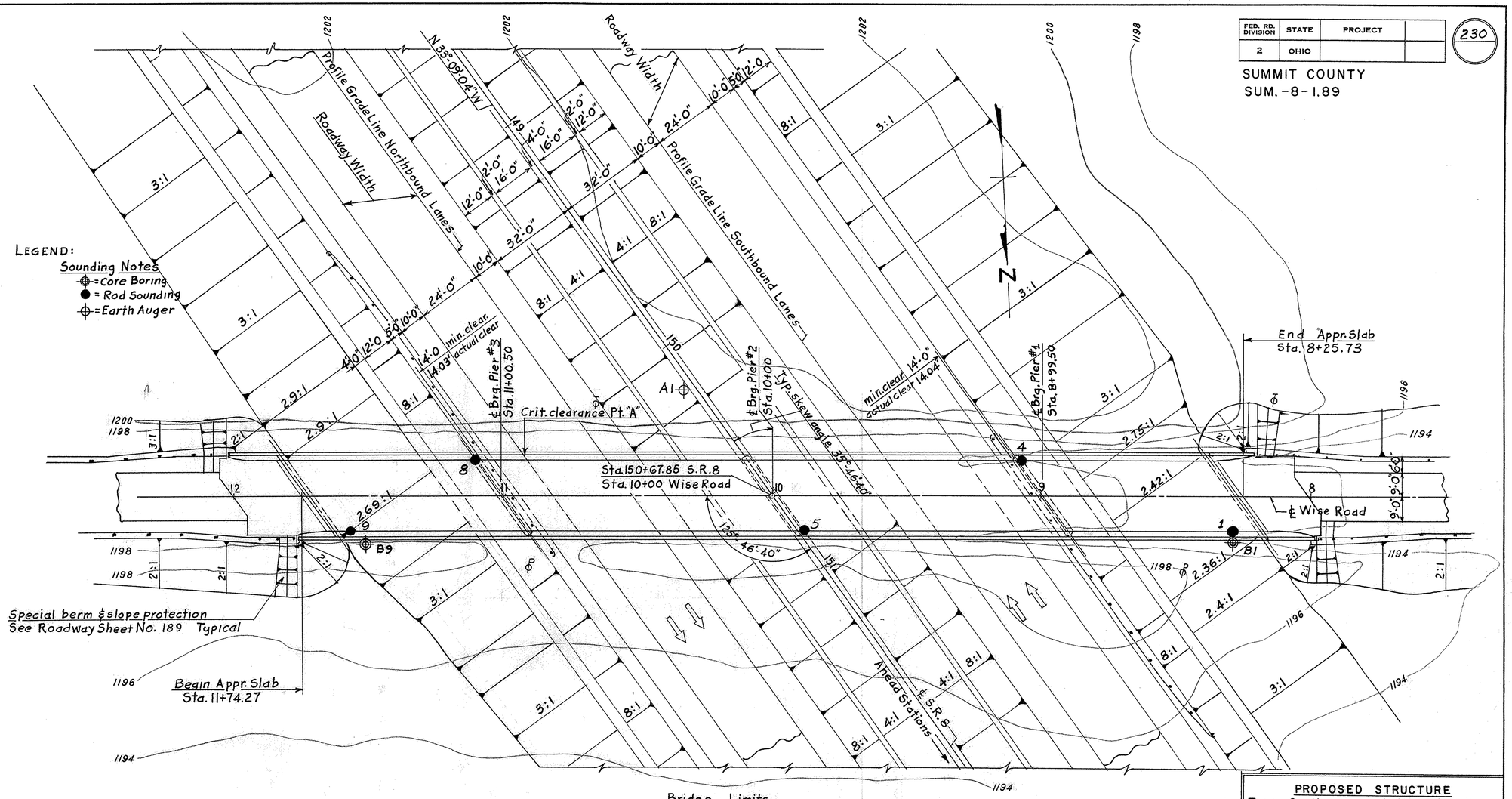
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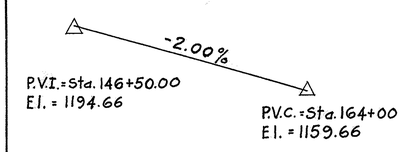
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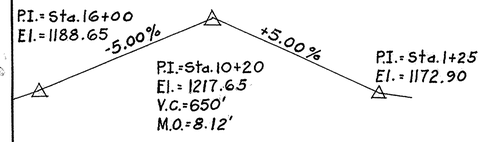
PROFILE OF S.R.-8
NORTHBOUND & SOUTHBOUND LANES



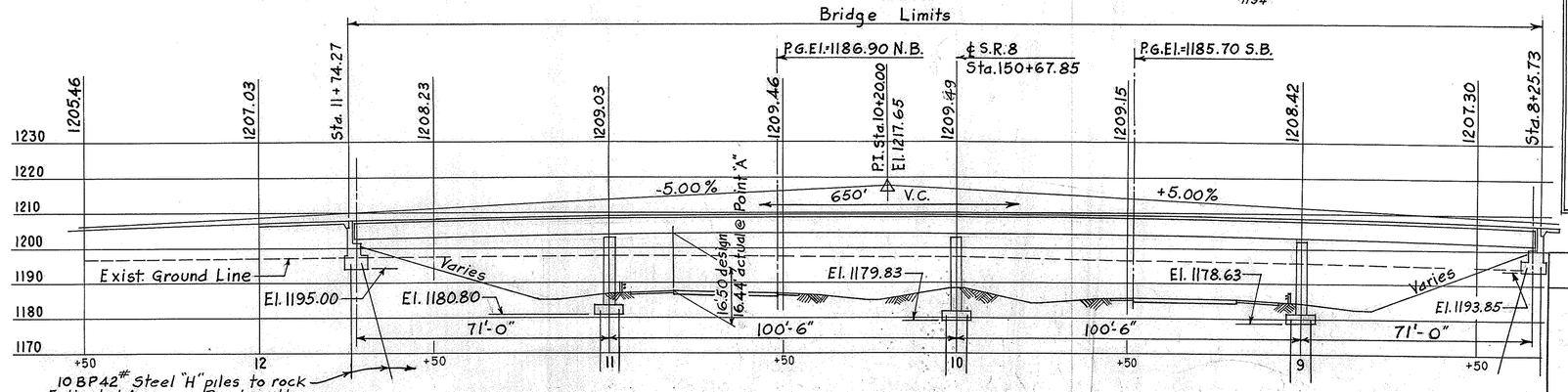




GRADE DATA — S.R.-8



GRADE DATA — WISE ROAD



PROFILE OF WISE ROAD

PROPOSED STRUCTURE

Type: Continuous, welded plate girder with reinf. conc. deck and substructure.
Spans: 71'-100.5'-100.5'-71' ℅ bearings.
Roadway: 24'-0" f/f 2'-3" safety curbs
Load Frequency: CF = 30 (57)
Skew: 35°-46'-40" R.F.
Wearing Surface: ½" monolithic concrete
Approach Slabs: Special (25' long).
Alignment: Tangent.

1980 A.D.T. = 90

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

SITE PLAN
BRIDGE NO SUM-8-0285
UNDER WISE ROAD [C.R.-250]
STA. 150+67.85

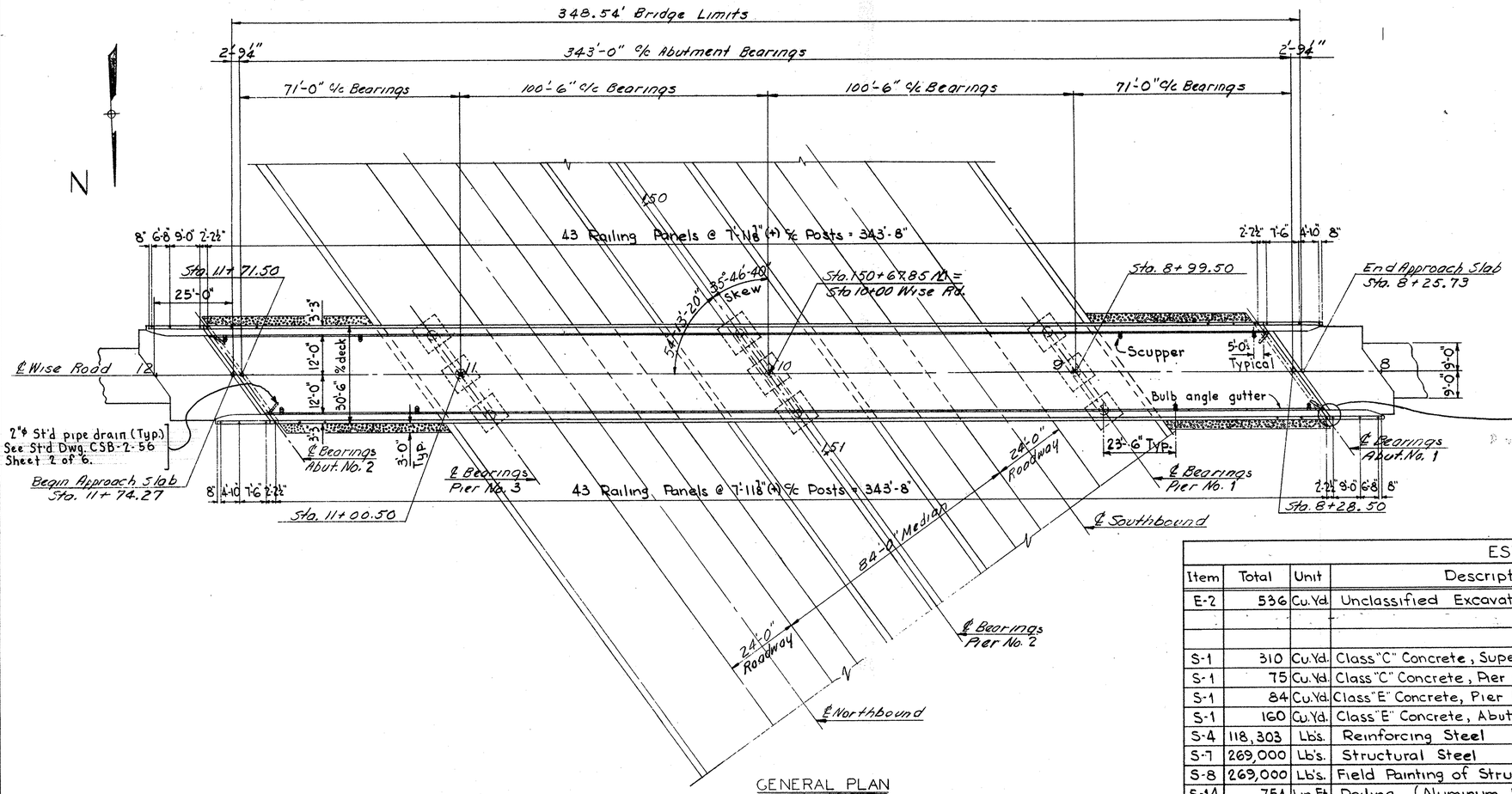
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
M.B.J.	E.A.M.	E.A.M.	E.A.M.	C.F.F.	L.G.H. 10/24/61

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY REORDER A-39921-1

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

231

SUMMIT COUNTY
SUM - 8 - 1.89

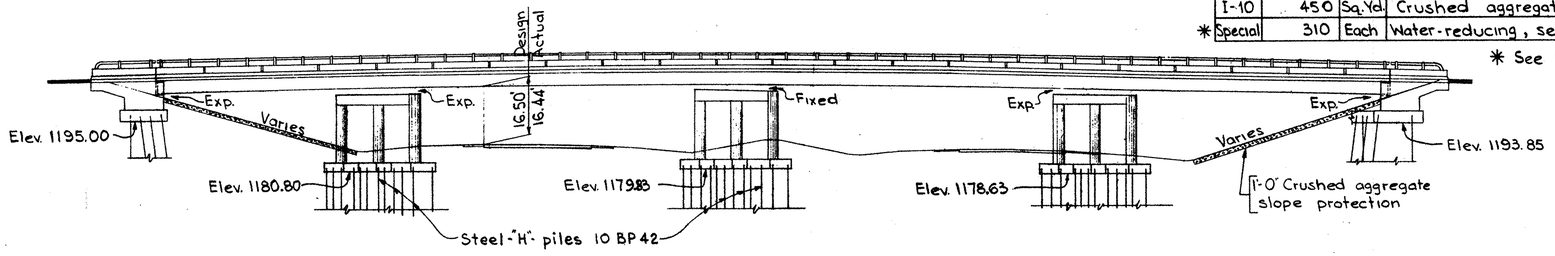


GENERAL PLAN

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Superstr.	Abut's.	Piers	General		
E-2	536	Cu.Yd.	Unclassified Excavation		240	296			
S-1	310	Cu.Yd.	Class "C" Concrete, Superstructure	310					
S-1	75	Cu.Yd.	Class "C" Concrete, Pier Caps & Columns			75			
S-1	84	Cu.Yd.	Class "E" Concrete, Pier Footings			84			
S-1	160	Cu.Yd.	Class "E" Concrete, Abutments		160				
S-4	118,303	Lbs.	Reinforcing Steel	79,787	11,860	26,656			
S-7	269,000	Lb's.	Structural Steel	269,000					
S-8	269,000	Lb's.	Field Painting of Structural Steel	269,000					
S-14	754	Lin.Ft.	Railing, (Aluminum Rail & Supports,	691	63				
			Concrete Parapet)						
S-16	Lump	Sum	First Test Pile				Lump		
S-18	2240	Lin.Ft.	Steel Piles, 10 BP42		980	1260			
S-29	30	Cu.Yd.	Porous Backfill		30				
S-29	8	Each	Scuppers	8					
I-10	450	Sq.Yd.	Crushed aggregate Slope Protection				450		
✱ Special	310	Each	Water-reducing, set-retarding admixture	310					

✱ See Proposal Note



ELEVATION

GENERAL NOTES: No. 1, 2, 3, 4, 5, 6, 7 and 8 on Sheet 229 apply to this structure.
DETAIL NOTES: A, B, C, E, F, G and H. on Sheet 229 apply to this structure.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

GENERAL PLAN & ELEVATION
BRIDGE NO. SUM-8-0285
UNDER WISE ROAD
Sta. 150+67.85

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
E.A.M.	FWM		S.J.F.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY REORDER A-39921-2

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

232

SUMMIT COUNTY
SUM - 8 - 1.89

For Approach Slab Details and Pile Pattern see Sheet. 233

WING - "A"

WING - "B"

Edge of approach slab

Edge of approach slab

℄ Roadway and ℄ Bridge

Abut. No. 2

Abut. No. 1

35° 46' 40" Skew

12'-0"

DETAIL "W"

See Detail "W"

9'-4" (Typical) Weephole Spacing

7'-5½"

1'-10½"

Approach Slab Seat

8-A603

8-A604

℄ Bearings

3" Abut. #1
2⅜" Abut. #2

Abutment #2

Abutment #1

1'-6" 1'-6" Typical

4'-11 3/16" (-)

Sta. 8 + 28.50 Abut. #1

Sta. 11 + 71.50 Abut. #2

3 Spaces @ 9'-10 5/16" (+) = 29'-7" (Beam Spacing)

7 Spaces @ 5'-0" = 35'-0" (Pile Spacing)

18'-11½"

17'-8"

3" Abut. #1
2⅜" Abut. #2

PLAN ABUTMENTS NO.1 & NO. 2

Approach Slab Seat (Not Crowned)

33 - A602 @ 12"±

16 A505

4-A503

4-A502

4-A501

4-A601

3-A801

4-A801

2'-0" (Min.)

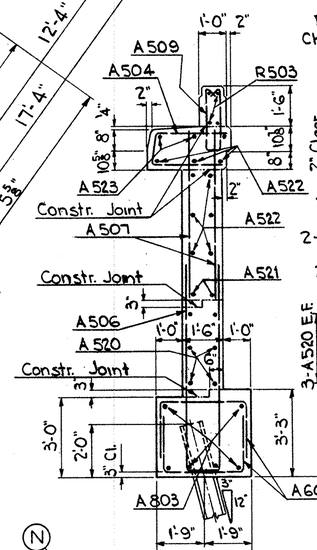
℄ ℄ 4"ϕ Weepholes (Approx. parallel to bridge seat)

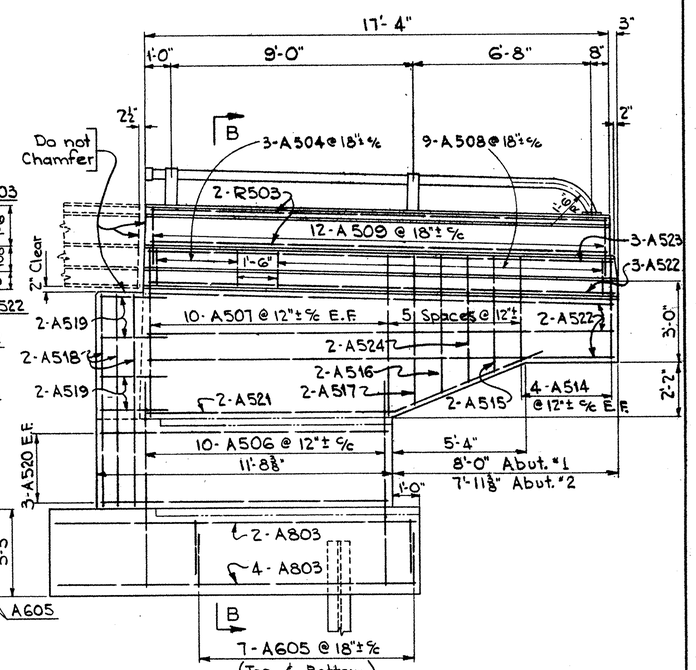
3-Eq. Spaces (Typical)

All piles are to be Steel H Piles · 10 BP 42

ELEVATION

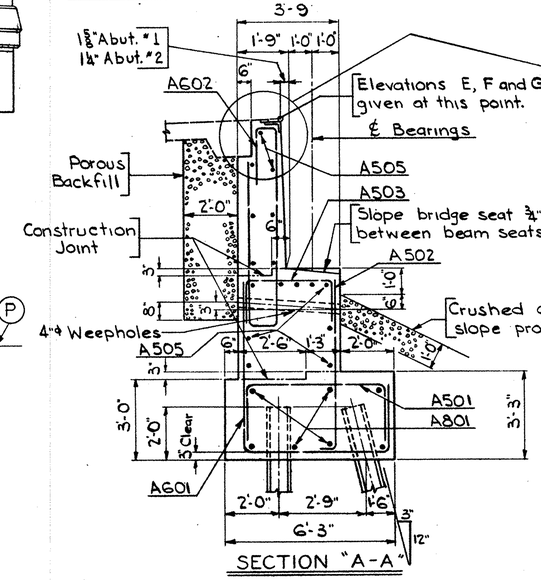
ELEVATIONS															
POINT	A	B	C	D	E	F	G	H	J	K	L	M	N	P
ABUT. NO. 2	1201.70	1201.96	1202.10	1202.10	1201.74	1201.73	1201.33	1206.95	1206.46	1210.13	1209.81	1209.64	1209.19	1195.00
ABUT. NO. 1	1201.10	1201.06	1200.89	1200.59	1206.73	1206.66	1206.21	1205.96	1205.34	1209.13	1208.72	1208.52	1207.95	1193.85



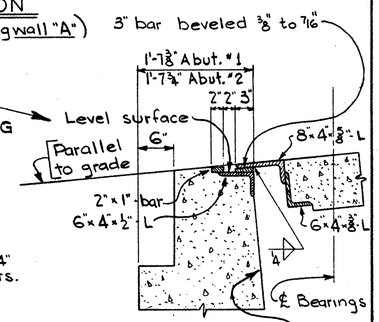


WINGWALL "B" ELEVATION

SECTION "B-B" (See Approach Slab Sheet for Wingwall "A")



SECTION "A-A"



MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENTS NO.1 AND NO. 2
BRIDGE NO. SUM-8-0285
UNDER WISE ROAD
Sta: 150+67.85

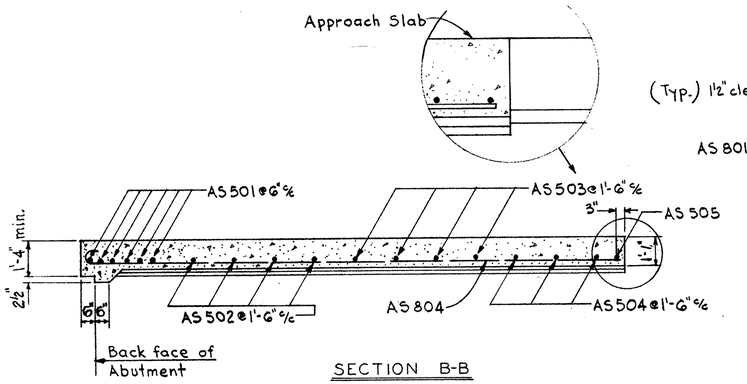
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
E.A.M.	FWM		S.J.F.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY REORDER A-39921-E

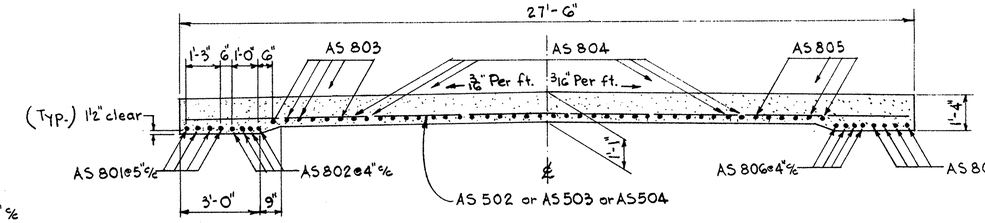
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

233

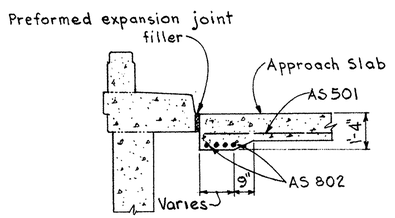
SUMMIT COUNTY
SUM - 8 - 1.89



SECTION B-B

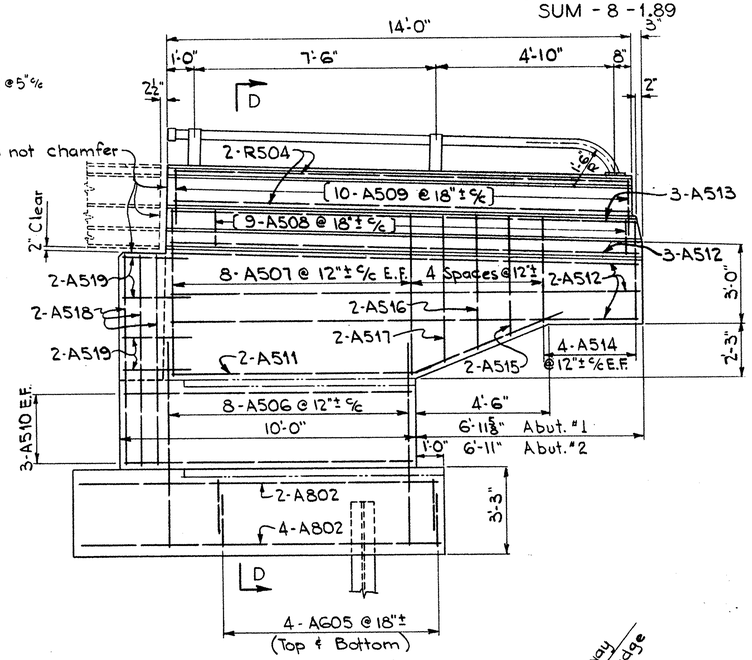


SECTION A-A

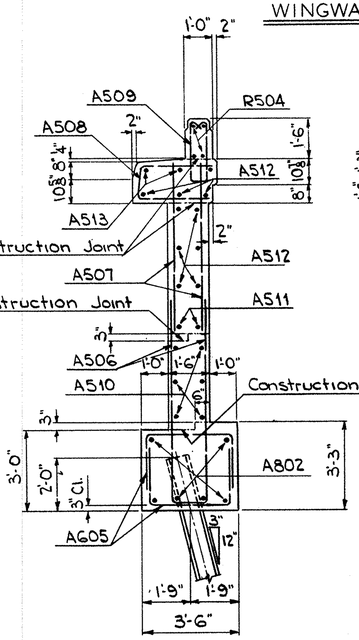


SECTION C-C

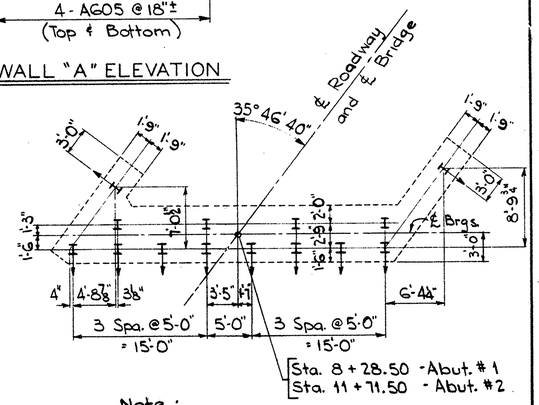
PLAN APPROACH SLAB
TYPICAL



WINGWALL "A" ELEVATION



SECTION "D-D"



Note :

All dimensions given are at bottom of footings.

All Piles are to be Steel "H" Piles - 10 BP 42 .

ABUTMENT PILE PATTERN

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

APPROACH SLAB DETAILS & WINGWALL DETAILS
BRIDGE NO. SUM - 8 - 0285
UNDER WISE ROAD
Sta. 150 + 67.85

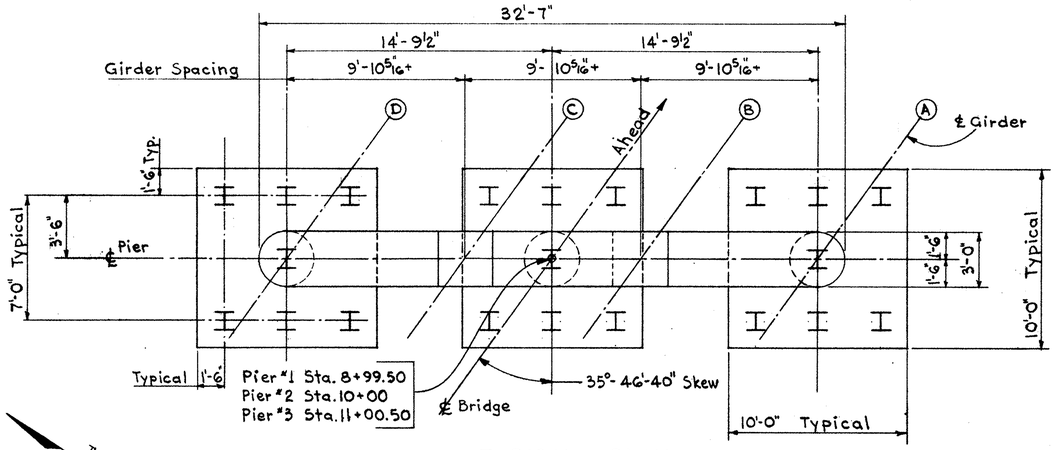
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
E.A.M.	E.A.M. F.W.M		S.J.F.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

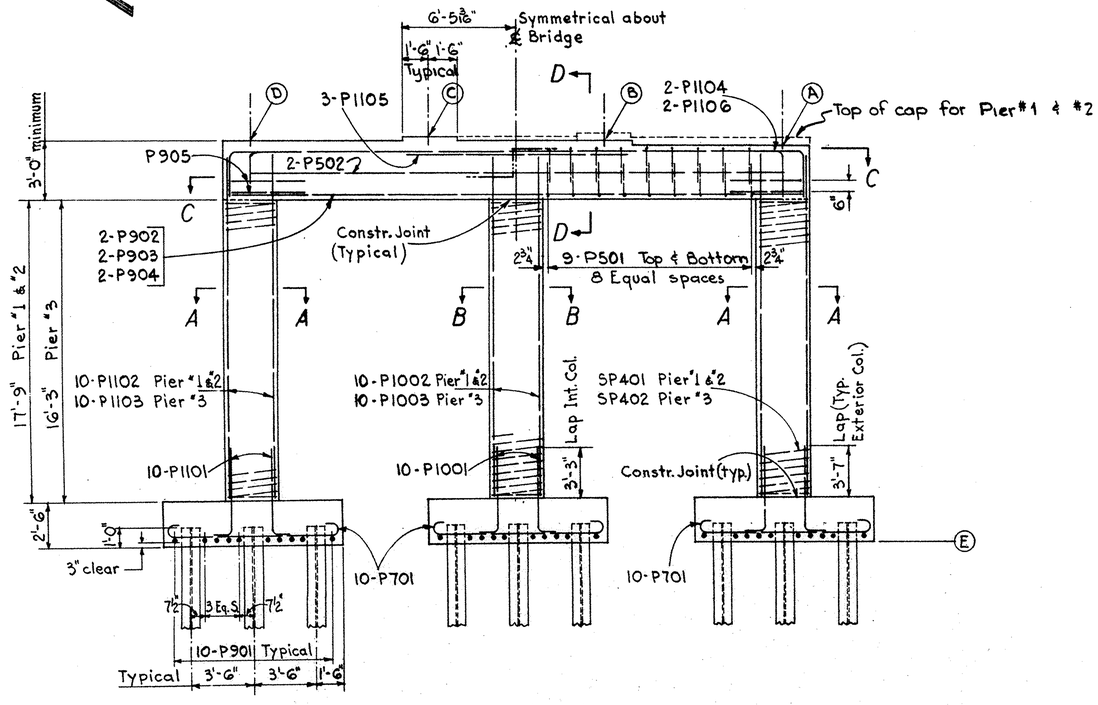
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

234

SUMMIT COUNTY
SUM - 8 - 1.89

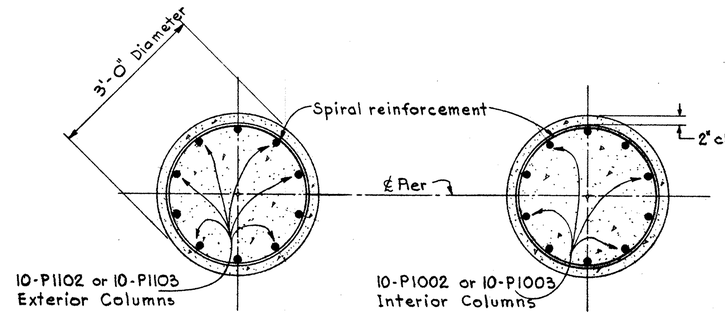


TYPICAL PLAN

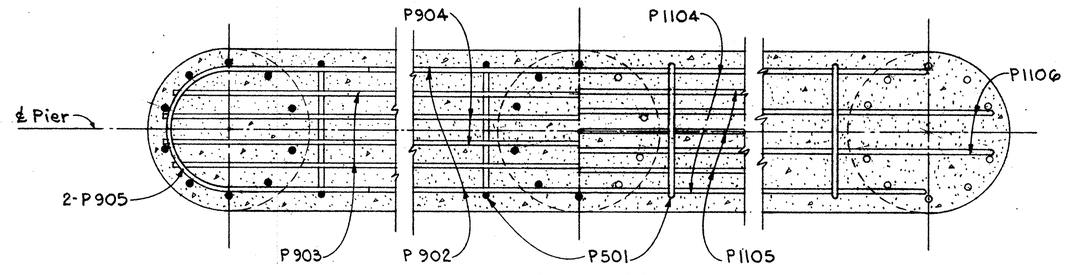


All piles are steel "H" 10 BP 42

Elevation	D	C	B	A	E
Pier 1	1201.88	1202.12	1202.22	1202.20	1178.63
Pier 2	1203.08	1203.23	1203.24	1203.13	1179.83
Pier 3	1202.76	1202.82	1202.75	1202.55	1180.80



SECTION A-A SECTION B-B SECTION D-D



SECTION C-C

NOTES:

- Pier Footing Concrete shall be Class "E".
- Pier Columns & Caps Concrete shall be Class "C".
- Special care shall be taken in placing reinf. steel in the pier cap No. 2 so that it will not interfere with the bolster anchor bolts.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

PIER DETAILS

BRIDGE NO. SUM - 8 - 0285
UNDER WISE ROAD
Sta. 150 + 67.85

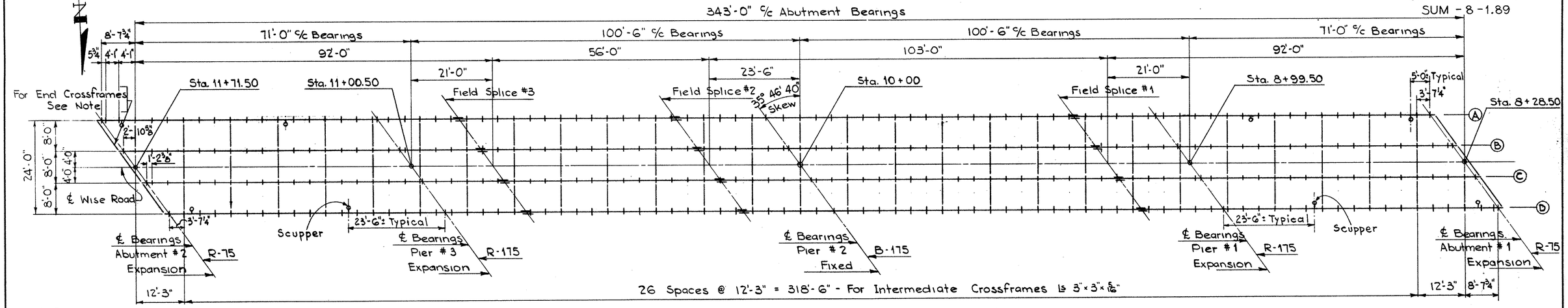
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
E.A.M.	E.A.M.		S.J.F.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY REORDER A-59931-2

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

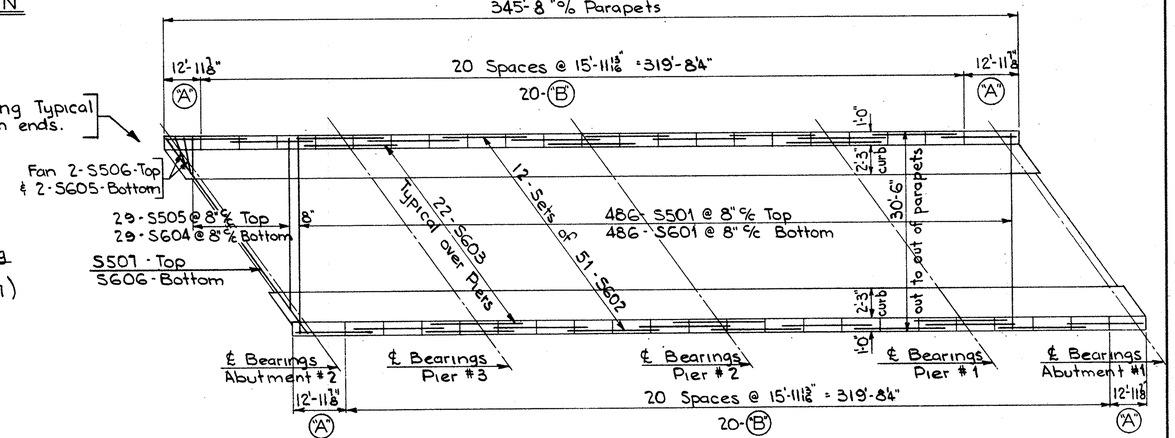
235

SUMMIT COUNTY
SUM - 8 - 1.89

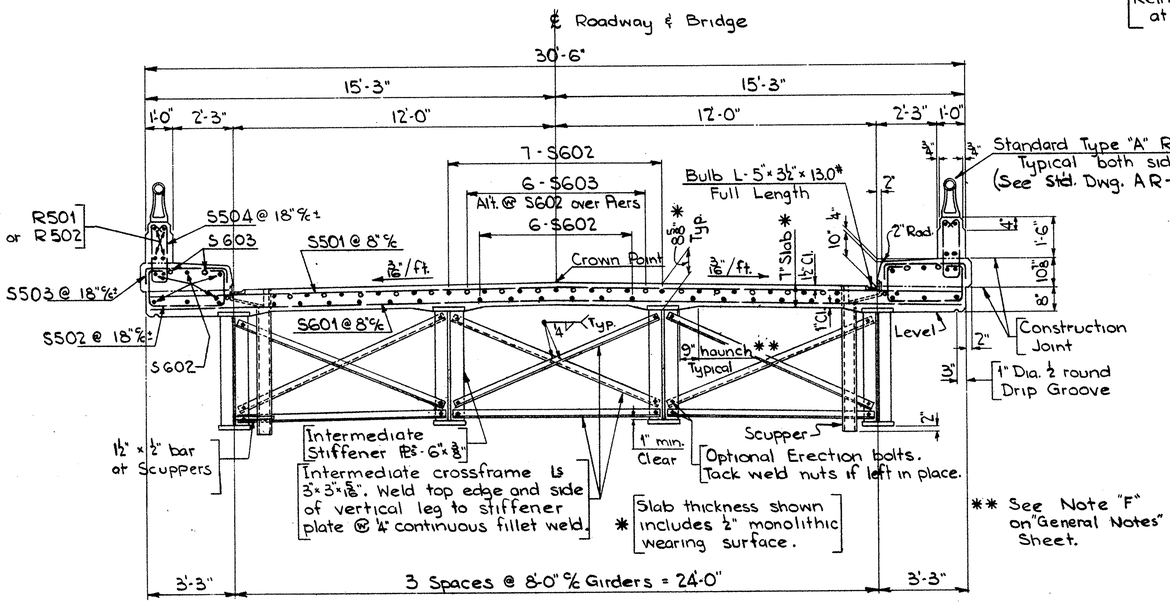


NOTE:
End Crossframe ls- 4×4×⅝. See Sheet No. 2 of 6 Standard Drawing No. CSB-2-56 (Revisied 2-2-59) Section "B-B" for beam spacing of 8'-0" to 12'-0" in connection with Section "C-C" for Monolithic wearing surface.

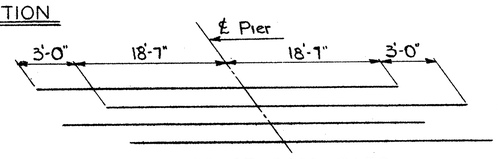
FRAMING PLAN



DECK REINFORCING PLAN



TYPICAL CROSS℄ SECTION



STAGGER OF S603 BARS

"A" = 9-S502 & 9-S503 & 9-S504 and 4-R501
"B" = 11-S502 & 11-S503 & 11-S504 and 4-R502

CURB REINFORCING GROUPS

DEFLECTION and CAMBER

LOCATION	OUTSIDE BEAMS						INSIDE BEAMS					
	End Span			Middle Span			End Span			Middle Span		
POSITION	¼-L	½-L	¾-L	¼-L	½-L	¾-L	¼-L	½-L	¾-L	¼-L	½-L	¾-L
Deflection due to weight of steel	1/16"	1/16"	0"	1/16"	3/8"	1/16"	1/16"	1/16"	0"	1/16"	3/8"	1/16"
Deflection due to remaining dead load	5/16"	5/16"	1/8"	3/8"	11/16"	7/16"	1/4"	1/4"	0"	5/16"	7/16"	5/16"
Convexity required for vertical curve	1/16"	3/8"	1/16"	3/8"	7/16"	3/8"	1/16"	3/8"	1/16"	3/8"	7/16"	3/8"
Sum of Deflection and Convexity	3/16"	1/2"	3/16"	7/16"	1"	1/2"	3/8"	7/16"	1/16"	1/2"	3/8"	1/2"
Required Camber	0"	0"	0"	1/2"	1"	1/2"	0"	0"	0"	1/2"	1"	1/2"

- See Std. Drw'g. CSB-2-56, Sheet 3 of 6, for scuppers, bulb angle supports and curb plate details.
- See Std. Drw'g. RB-1-55 for bearing details.
- See Sheet No. 232 for modified end finish details.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

SUPERSTRUCTURE
BRIDGE NO. SUM-8-0285
UNDER WISE ROAD
Sta. 150+67.85

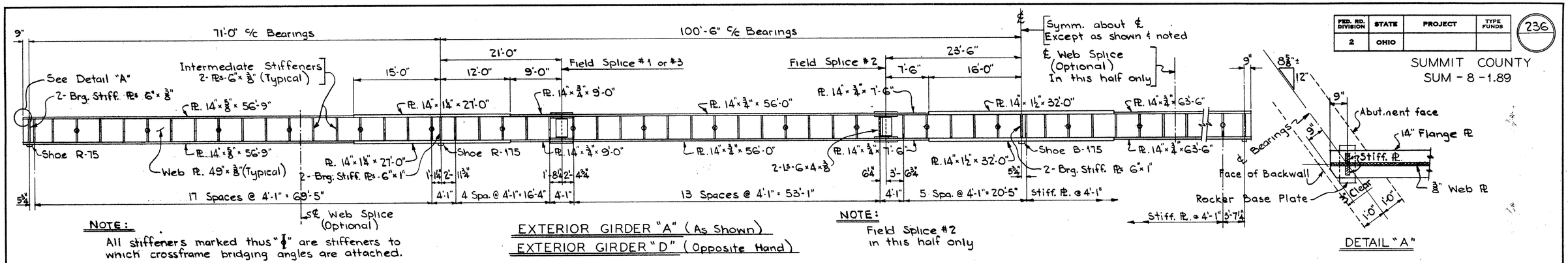
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
E.A.M.	FWM		S.J.F.	L.G.H. 12/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

236

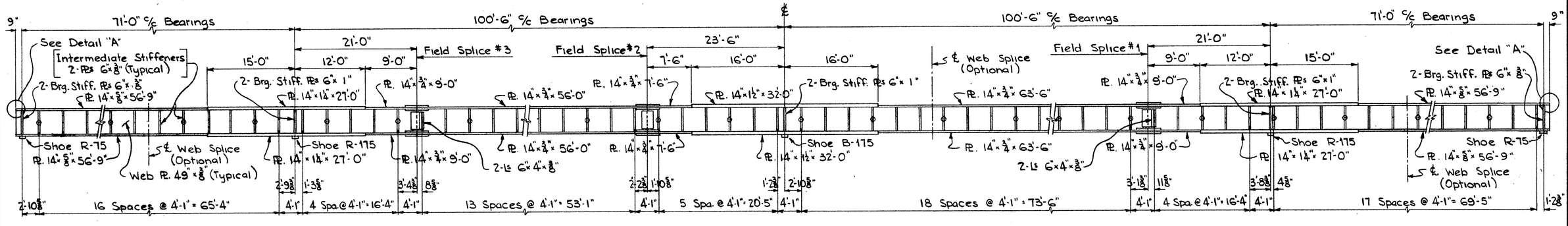
SUMMIT COUNTY
SUM - 8 - 1.89



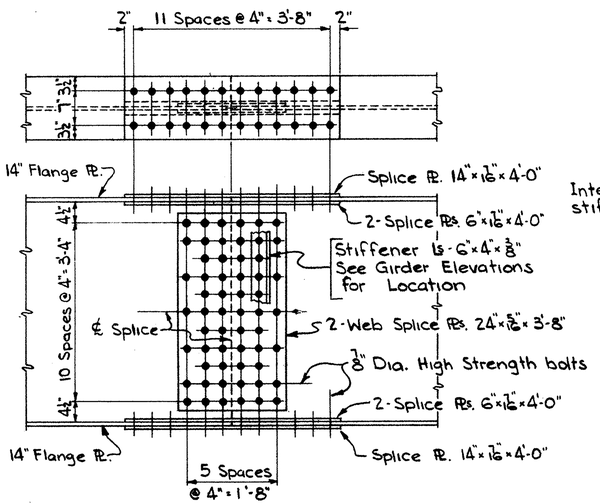
NOTE:
All stiffeners marked thus "‖" are stiffeners to which crossframe bridging angles are attached.

EXTERIOR GIRDER "A" (As Shown)
EXTERIOR GIRDER "D" (Opposite Hand)

NOTE:
Field Splice #2 in this half only



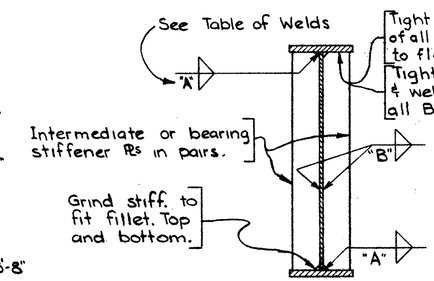
INTERIOR GIRDER B (As Shown)
INTERIOR GIRDER C (Opposite Hand)



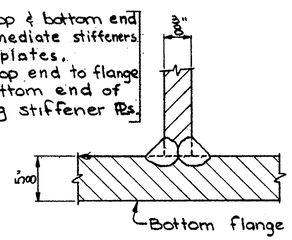
TYPICAL FIELD SPLICE

Mark	Plate thickness		Leg size of fillet weld
A	⅝"	Stiff. Flange	¼"
	¾"		¼"
	1¼"		5/16"
	1½"		⅜"
B	⅜"		¼"
	1"		5/16"

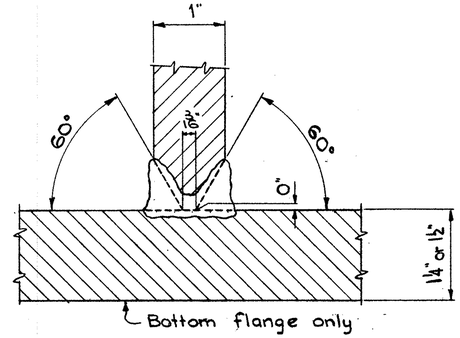
TABLE of WELD SIZES



TYPICAL CROSS SECTION

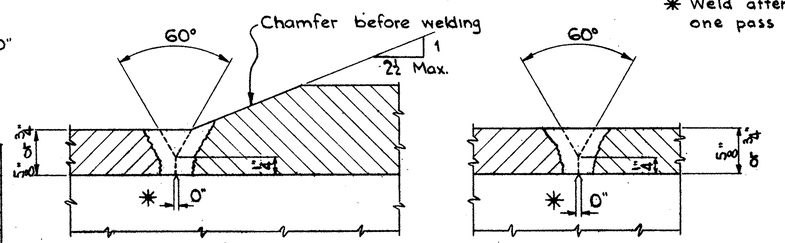


BEARING STIFFENER BUTT WELD
(@ Abutments only)



BEARING STIFFENER BUTT WELD
(@ Piers only)

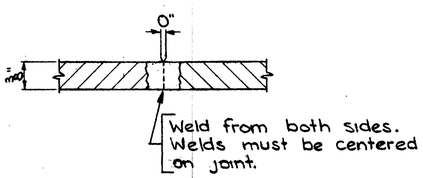
NOTES:
- All web plates are 49"x ⅜".
- All flange plates are 14" wide. See Girder Elevations for thickness required.
- If additional shop splices are necessary, their locations and details shall be submitted to the Director for approval.



* Weld after placing at least one pass on other side.

UNEQUAL FLANGE PLATES
EQUAL FLANGE PLATES

FLANGE SPLICES



WEB SPLICE

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

GIRDER DETAILS
BRIDGE NO. SUM-8-0285
UNDER WISE ROAD
Sta. 150+67.85

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
E.A.M.	FWM		G.J.F.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

237

SUMMIT COUNTY
SUM - 8 - 1.89

SUPERSTRUCTURE

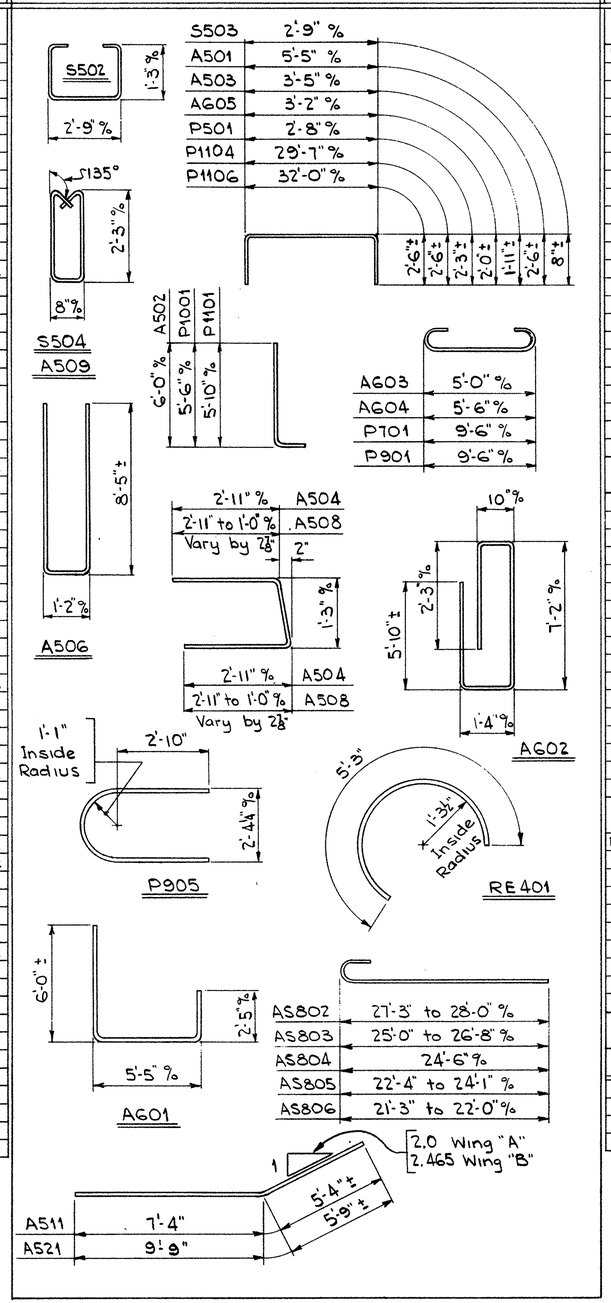
Mark	No.	Length	Weight	Shp.
S601	486	30'-2"	22,021	Str.
S602	612	30'-6"	28,036	Str.
S603	66	40'-2"	3,982	Str.
S604	2S of 29	29'-8" to 4'-0" ⓐ	1,466	Str.
S605	4	4'-6"	27	Str.
S606	2	37'-2"	112	Str.
S501	486	30'-2"	15,291	Str.
S502	476	6'-0"	2,979	B
S503	476	3'-10"	1,903	B
S504	476	5'-9"	2,855	B
S505	2S of 29	29'-8" to 4'-0" ⓐ	1,018	Str.
S506	4	4'-6"	19	Str.
S507	2	37'-2"	78	Str.
R501	16	12'-6"	*	Str.
R502	160	15'-7"	*	Str.

ABUTMENTS

Mark	No.	Length	Weight	Shp.
A801	14	38'-3"	1,430	Str.
A802	12	12'-8"	406	Str.
A803	12	14'-2"	454	Str.
AG01	56	13'-6"	1,136	B
AG02	66	16'-10"	1,669	B
AG03	16	6'-4"	152	B
AG04	16	6'-10"	164	B
AG05	44	6'-10"	452	B
A501	56	10'-2"	594	B
A502	56	6'-6"	380	B
A503	56	7'-0"	409	B
A504	6	6'-10"	43	B
A505	32	36'-10"	1,229	Str.
A506	36	17'-9"	666	B
A507	72	6'-4"	476	Str.
A508	4S of 9	6'-10" to 3'-0" ⓑ	185	B
A509	44	5'-9"	264	B
A510	12	9'-8"	121	Str.
A511	4	12'-8"	53	B
A512	18	13'-11"	261	Str.
A513	6	13'-9"	86	Str.
A514	32	3'-6"	117	Str.
A515	8	4'-0"	33	Str.
A516	8	5'-1"	42	Str.
A517	8	5'-7"	47	Str.
A518	24	8'-0"	200	Str.
A519	32	4'-0"	134	Str.
A520	12	11'-4"	142	Str.
A521	4	15'-6"	65	B
A522	18	17'-3"	324	Str.
A523	6	17'-1"	107	Str.
A524	4	4'-6"	19	Str.
R503	8	17'-0"	*	Str.
R504	8	13'-8"	*	Str.

ⓐ = Vary each bar by 1"
ⓑ = " " " by 5½"
ⓒ = " " " by 2'-3"
ⓓ = " " " by 3"
ⓔ = " " " by 4"
ⓕ = " " " by 1'-9"
ⓖ = " " " by 6"
ⓗ = " " " by 3'-0"

BENDING DIAGRAMS



PIERS

Mark	No.	Length	Weight	Shp.
P1101	60	7'-0"	2,231	B
P1102	40	20'-6"	4,357	Str.
P1103	20	19'-0"	2,019	Str.
P1104	6	33'-11"	1,081	B
P1105	9	12'-0"	574	Str.
P1106	6	36'-4"	1,158	B
P1001	30	6'-7"	850	B
P1002	20	20'-6"	1,764	Str.
P1003	10	19'-0"	818	Str.
P901	90	12'-0"	3,672	B
P902	6	29'-7"	603	Str.
P903	6	31'-8"	646	Str.
P904	6	32'-0"	653	Str.
P905	12	9'-2"	374	B
P701	90	11'-2"	2,054	B
P501	108	6'-11"	779	B
P502	6	29'-7"	185	Str.

APPROACH SLABS **

Mark	No.	Length	Weight	Shp.
AS801	8	16'-9" to 23'-6" ⓒ	—	Str.
AS802	8	28'-4" to 29'-1" ⓓ	—	B
AS803	12	26'-1" to 27'-9" ⓔ	—	B
AS804	60	25'-7"	—	B
AS805	12	23'-5" to 25'-2" ⓔ	—	B
AS806	8	22'-4" to 23'-1" ⓓ	—	B
AS807	8	3'-0" to 8'-3" ⓕ	—	Str.
AS501	12	29'-0"	—	Str.
AS502	8	29'-6" to 31'-0" ⓖ	—	Str.
AS503	8	32'-0" to 33'-6" ⓖ	—	Str.
AS504	6	27'-0" to 33'-0" ⓗ	—	Str.
AS505	2	25'-6"	—	Str.
AS506	6	9'-0"	—	Str.

REPLACEMENT BARS

RE1101	1	7'-7"	—	Str.
RE1001	1	7'-3"	—	Str.
RE901	1	6'-10"	—	Str.
RE801	1	6'-6"	—	Str.
RE701	1	6'-3"	—	Str.
RE601	3	5'-11"	—	Str.
RE501	2	5'-7"	—	Str.
RE401	1	5'-3"	—	B

SPIRAL REINFORCING LIST

Mark	No.	Core Dia.	Length	No. Turns	Pitch	Weight
SP401	6	32" %	17'-9"	50	4½"	1,944
SP402	3	32" %	16'-3"	46	4½"	894

* Included with "Item S-14" for payment.
** Approach Slab reinforcement shall be included with "Item I-7" for payment. (A Highway Item.)
"2 S of 29" means 2 series of 29 bars each.
"4 S of 9" means 4 series of 9 bars each.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

REINFORCING STEEL LIST

BRIDGE NO. SUM-8-0285
UNDER WISE ROAD
Sta. 150 + 67.85

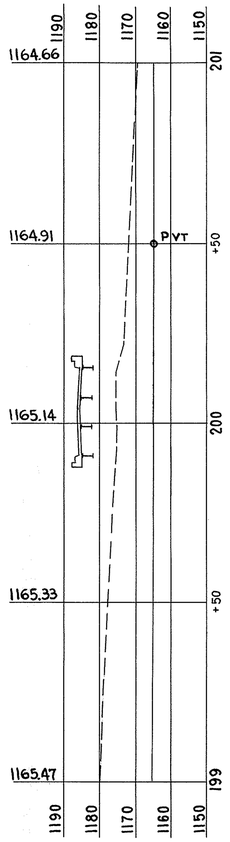
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E.A.M.	FWM		S.J.F.	10/26/61 K.G.H.	

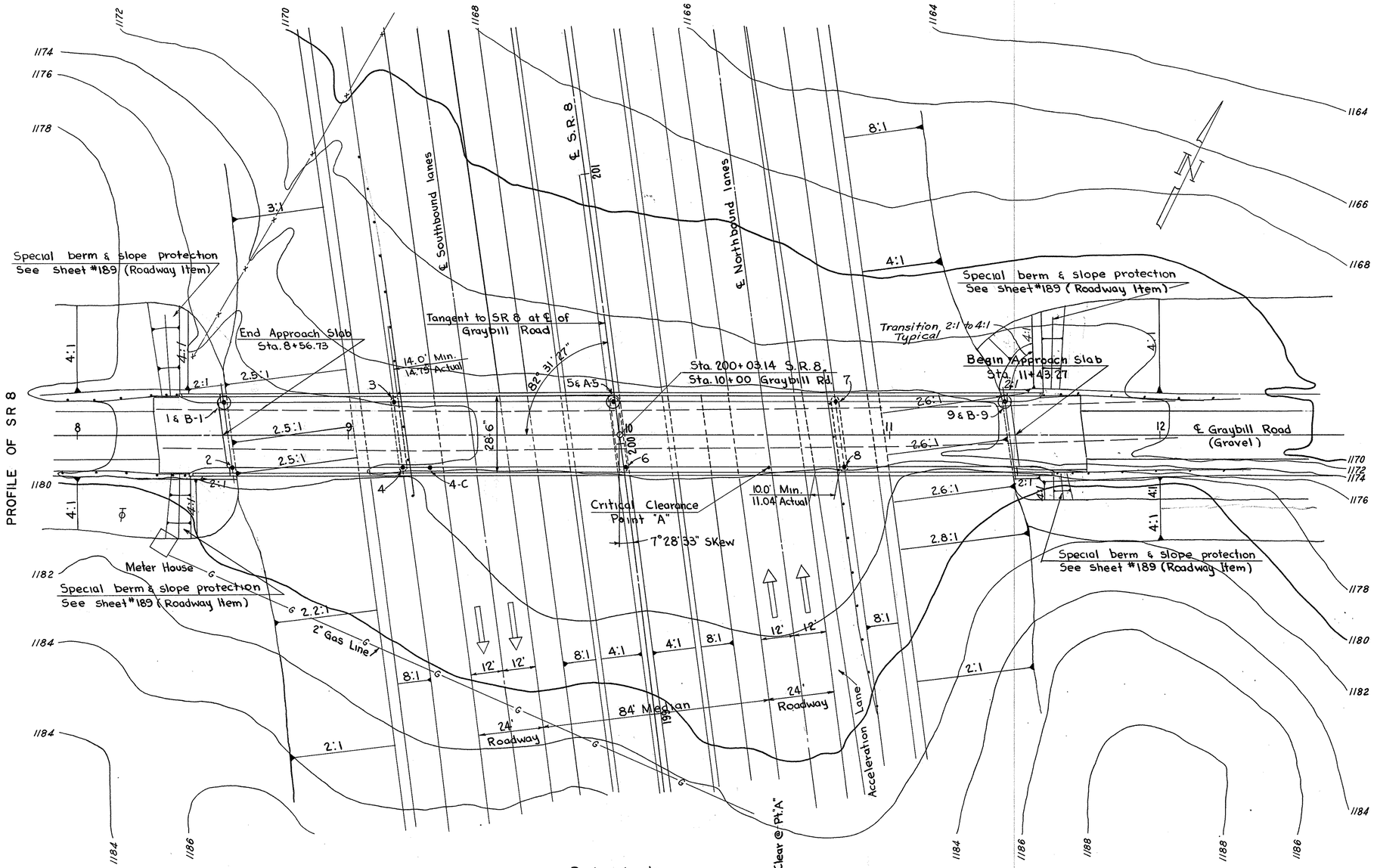
BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

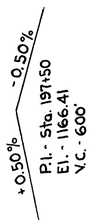
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

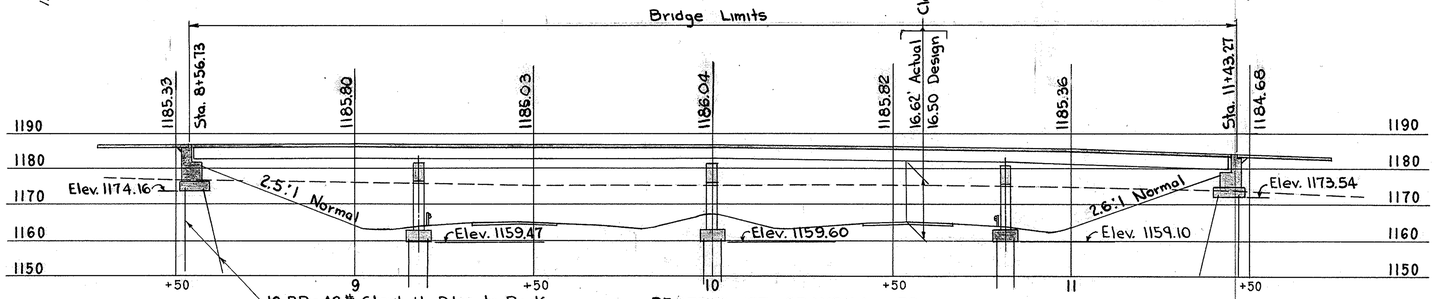
238

SUMMIT COUNTY
SUM - 8 - 1.89



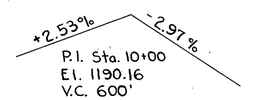






The estimated average pay lengths
Abutments - 43 ft.
Piers - 30 ft.

PROFILE OF GRAYBILL RD.



LEGEND
- ⊕ : Auger Boring
- ⊕ : Drive Sample - Core Boring
- ● : Drive Rod Penetration Resistance Soundings
- A : Indicates Auger Boring
- B : Indicates Drive Sample - Core Boring

Curve Data - SR 8
- P.I. = Sta. 207+80.99
- Δ = 8° 53' Lt.
- D = 0° 20'
- R = 17,188.73 ft.
- T = 1,335.18 ft.
- L = 2,665.00 ft.
- E = 51.78 ft.
- P.C. = Sta. 194+45.81
- P.T. = Sta. 221+10.81

PROPOSED STRUCTURE	
Type :	Continuous steel beams with reinforced concrete deck and substructure
Spans :	58 - 83 - 83 - 58
Roadway :	24'-0" f f of 2'-3" safety curbs
Load Frequency :	C F 30 (57)
Skew :	7° 28' 33" Right Forward
Wearing Surface :	½" Monolithic concrete
Approach Slab :	Special 25' long
Alignment :	Tangent

1980 A.D.T. = 80

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

SITE PLAN
BRIDGE NO. SUM - 8 - 0379
S R 8 UNDER
GRAYBILL ROAD

Sta. 200 + 03.14

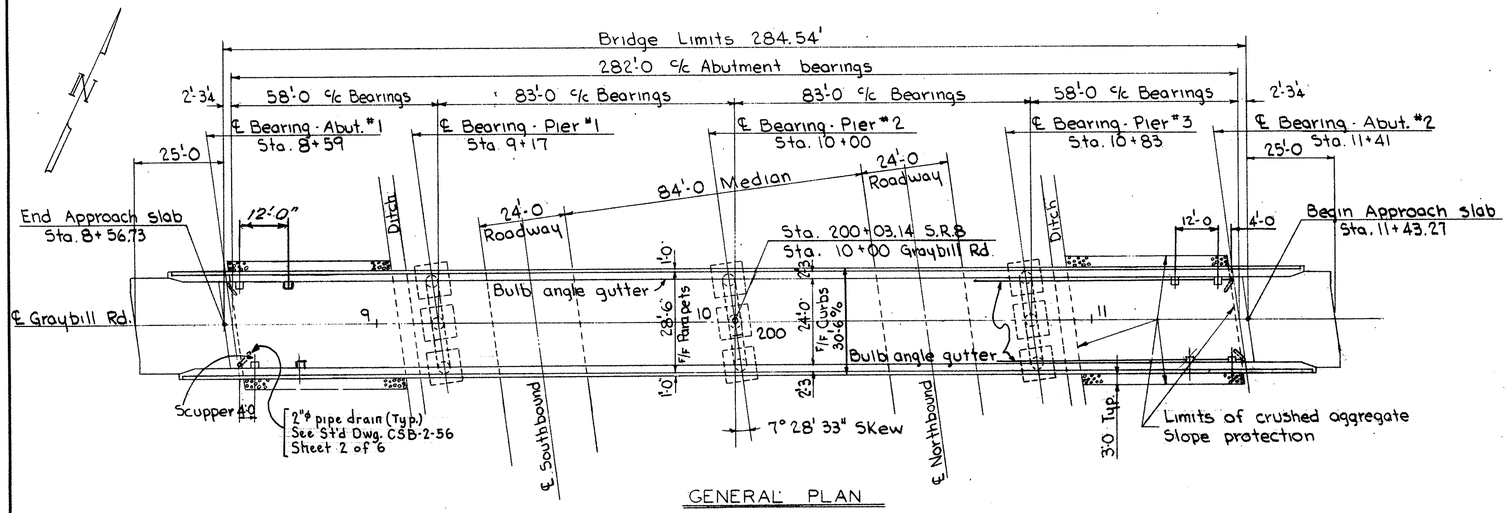
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
M.B. Jr.	A.A.	A.A.	A.A.	J.D.Y.	L.C.H. 10/26/61

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY REORDER A-39921-1

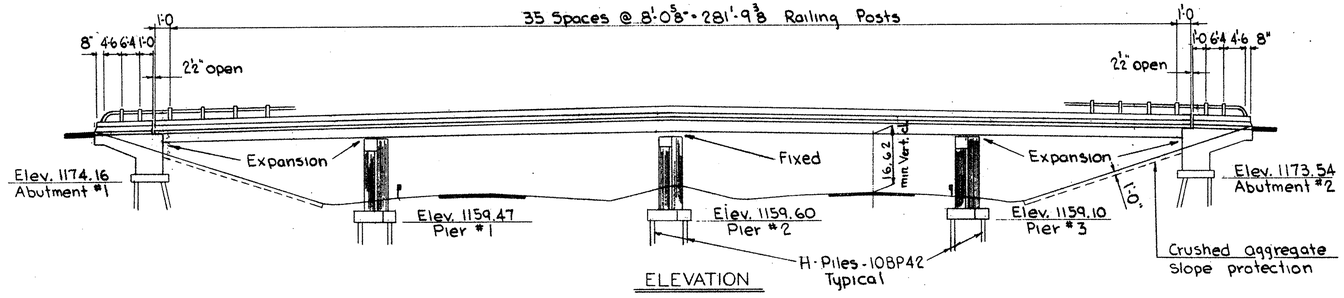
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

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SUMMIT COUNTY
SUM - 8 - 1.89



GENERAL PLAN

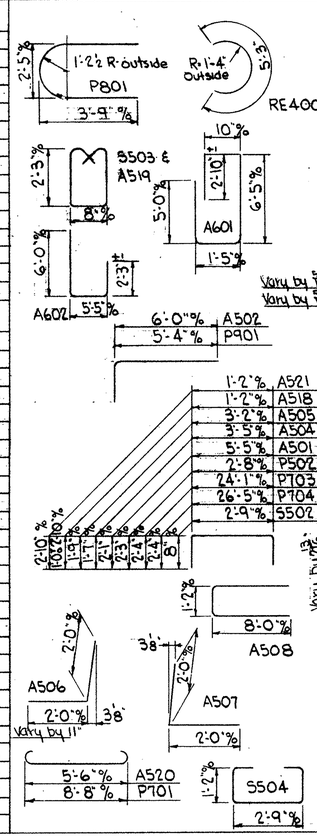


ELEVATION

REINFORCING STEEL LIST

Mark	No.	Lenght	Weight	Shp.
PIERS				
P901	90	6'-4"	1938	B
P902	90	18'-5"	5636	S
P801	12	8'-9"	280	B
P701	192	10'-4"	4055	B
P702	9	10'-8"	196	S
P703	6	28'-5"	349	B
P704	6	30'-9"	377	B
P705	9	26'-5"	486	S
P706	6	25'-11"	318	S
P707	6	24'-1"	295	S
P501	6	24'-1"	151	S
P502	84	6'-11"	606	B
ABUTMENTS				
A801	14	32'-1"	1,199	S
A601	50	15'-11"	1,195	B
A602	38	13'-4"	761	B
A501	38	9'-4"	370	B
A502	38	6'-6"	258	B
A503	32	30'-1"	1004	S
A504	38	6'-4"	251	B
A505	64	6'-5"	428	B
A506	8	3'-11"	33	B
A507	8	3'-11"	33	B
A508	28	16'-11"	494	B
A509	12	9'-10"	123	S
A510	24	8'-4"	209	S
A511	8	6'-7"	55	S
A512	48	12'-4"	617	S
A513	40	3'-6"	146	S
A514	8	4'-4"	36	S
A515	56	5'-1"	297	S
A516	32	3'-6"	117	S
A517	16	11'-2"	186	S
A518	4 6 6	3'-0 5 6 7	120	B
A519	36	5'-9"	216	B
A520	28	6'-8"	195	B
A521	12	6'-7"	82	B
R507	16	12'-2"	*	S

Bending Diagram



Mark	No.	Lenght	Weight	Shp.
SUPERSTRUCTURE				
R501	16	12'-9"	*	S
R502	128	15'-9"	*	S
S601	425	30'-2"	19,257	S
S602	408	37'-7"	23,031	S
S603	60	33'-0"	2,914	S
S501	425	30'-2"	13,372	S
S502	424	3'-10"	1,695	B
S503	424	5'-9"	2,543	B
S504	424	5'-10"	2,580	B
APPROACH SLAB				
A5801	54	25'-7"		B
A5802	16	25'-7" & 26'-0"		B
A5803	16	25'-2" & 25'-7"		B
A5804	8	26'-1"		B
A5805	8	15'-6"		S
A5806	8	25'-0"		B
A5807	8	14'-0"		S
A5809	4	8'-0"		S
A5501	14	23'-10"		S
A5502	6	24'-8" & 25'-10"		S
A5503	20	27'-0"		S
A5504	2	21'-0"		S
A5505	4	6'-9"		S
REPLACEMENT BARS				
RE900	1	6'-10"		S
RE800	1	6'-6"		S
RE700	1	6'-3"		S
RE600	3	5'-11"		S
RE500	2	5'-7"		S
RE400	1	5'-3"		B

24'-6"	A5801
24'-6" & 24'-11"	A5802
24'-1" & 24'-6"	A5803
25'-0"	A5804
23'-9"	A5806

* = Included with railing for payment

ESTIMATED QUANTITIES

	Item	Total	Unit	Description	S'str.	Abuts.	Piers	Gen.		
	E-2	341	cu.yd.	Unclassified Excavation		167	174			
	S-1	262	cu.yd.	Class "C" Concrete, Superstructure	262					
	S-1	64	cu.yd.	Class "C" Concrete, Piers, Caps, & Cols.			64			
	S-1	125	cu.yd.	Class "E" Concrete, Abutments		125				
	S-1	74	cu.yd.	Class "E" Concrete, Pier Footings			74			
	S-4	91,183	lbs.	Reinforcing Steel	65,452	8,425	17,306			
	S-7	208,500	lbs.	Structural Steel	208,500					
	S-8	208,500	lbs.	Field Painting of Structural Steel	208,500					
	S-14	618	lin.ft.	Railing (Aluminum Rail and Supports Concrete Parapet)	568	50				
	S-16	lump sum	lump sum	First Test Pile				lump sum		
	S-18	2,480	lin. ft.	Steel Piles, 10BP42		860	1,620			
	S-29	8	each	Scuppers	8					
	S-29	26	cu.yd.	Pourous Backfill		26				
	I-10	392	sq.yd.	Crushed Aggregate - Slope protection				392		
**	Special	262	each	Water-reducing set-retarding admixture	262					

** See Proposal Note

Spiral Reinforcing List						
Mark	No.	Core ϕ Dia.	Length	Pitch	No. Turns	Weight
SP401	9	32"	15'-9"	4½	45	2619

Note:

Approach slab reinforcing steel shall be included with item I-7 for payment. (A highway item)

General Notes 1, 2, 3, 4, 5, 6, 7, 8 & 9 on sheet #229 apply to this structure.

Detail Notes A, B, C, D, E, F, G and H on sheet #229 apply to this structure.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

GENERAL PLAN & ELEVATION
ESTIMATED QUANTITIES - STEEL LIST
BRIDGE NO. SUM-8-0379
UNDER GRAYBILL ROAD
Sta. 200+03.14

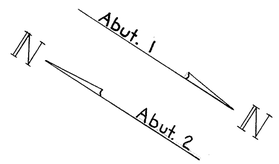
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A.A.	S.G.		R.L.M.	L.G.H. 10/26/61	

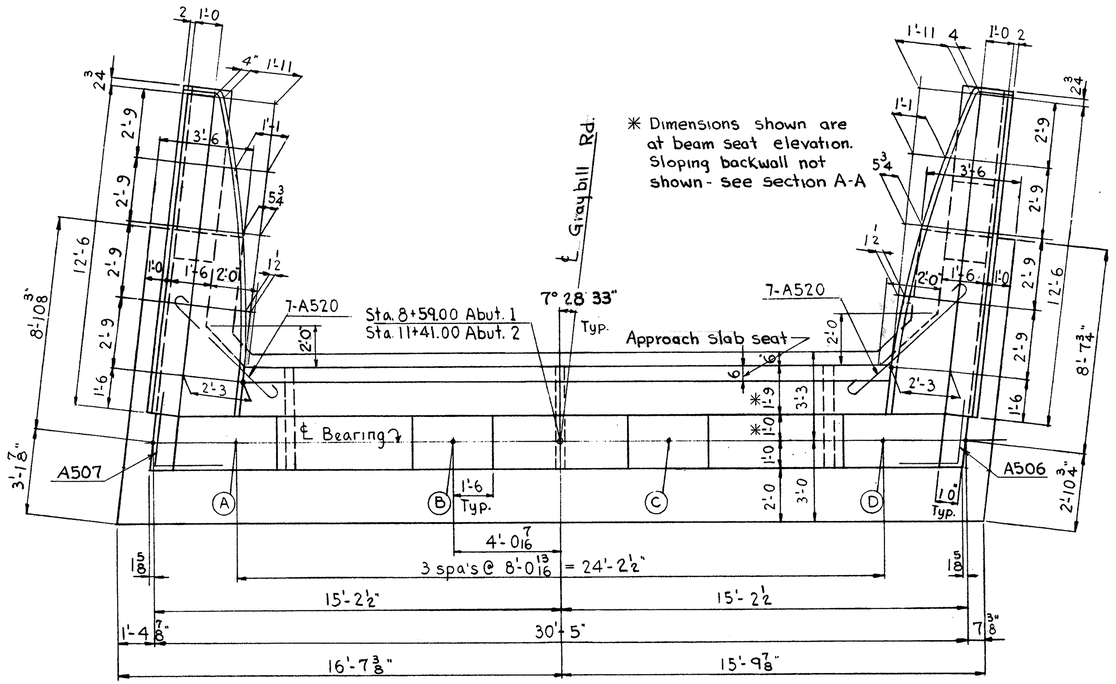
BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

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SUM - 8 - 1.89

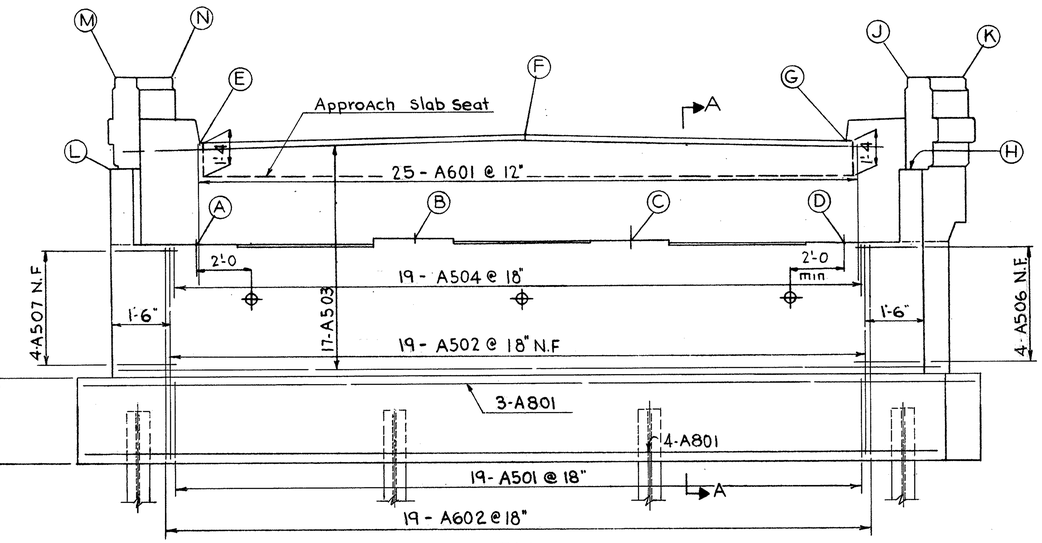




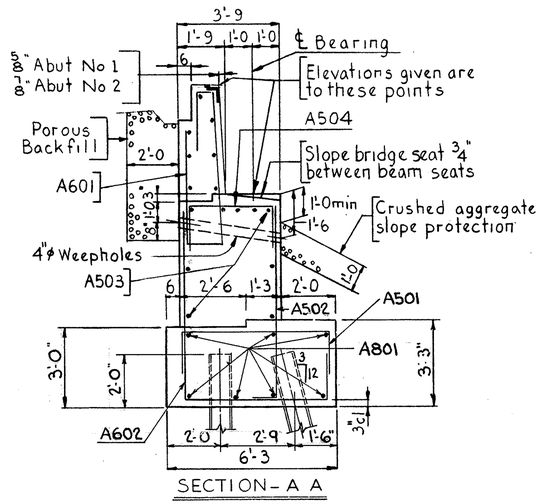
PLAN ABUTMENTS 1 & 2

ELEVATIONS		
	ABUT-1	ABUT-2
A	1180.88	1180.27
B	1180.99	1180.38
C	1180.98	1180.36
D	1180.85	1180.22
E	1185.25	1184.63
F	1185.42	1184.80
G	1185.22	1184.59
H	1184.40	1183.77
J	1187.57	1186.94
K	1187.43	1186.74
L	1184.43	1183.82
M	1187.61	1186.99
N	1187.47	1186.80

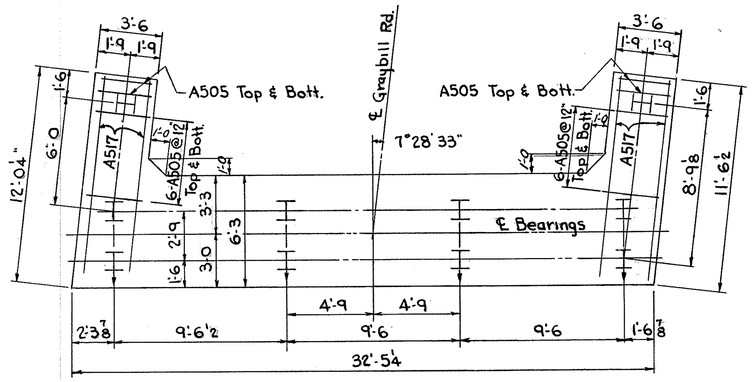
N.F = Near Face



ELEVATION



SECTION - A A



FOOTING PLAN
all piles steel 10 BP 42

Batter piles in direction shown

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENT DETAILS
BRIDGE NO. SUM-8-0379
S.R. 8 UNDER GRAYBILL ROAD

Sta. 200+03.14

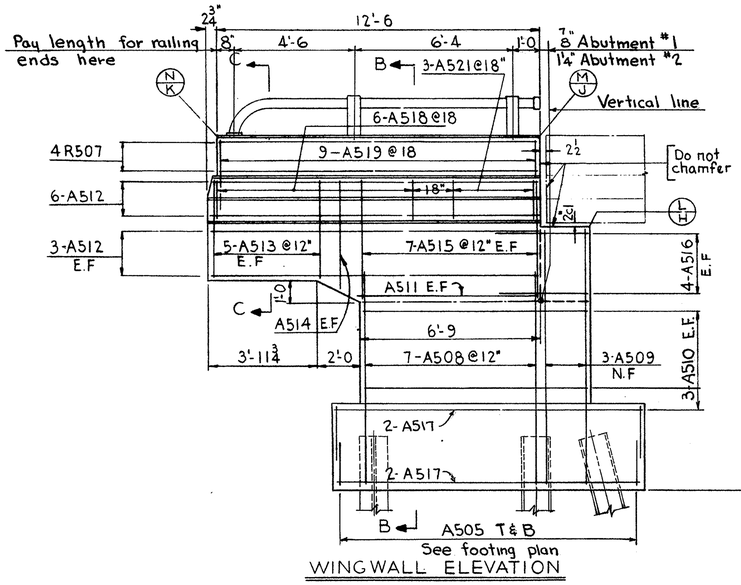
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A.A.	bo		R.L.M.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

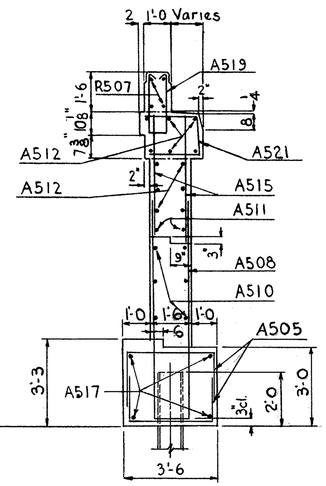
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

241

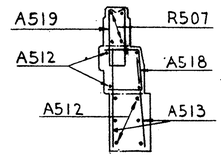
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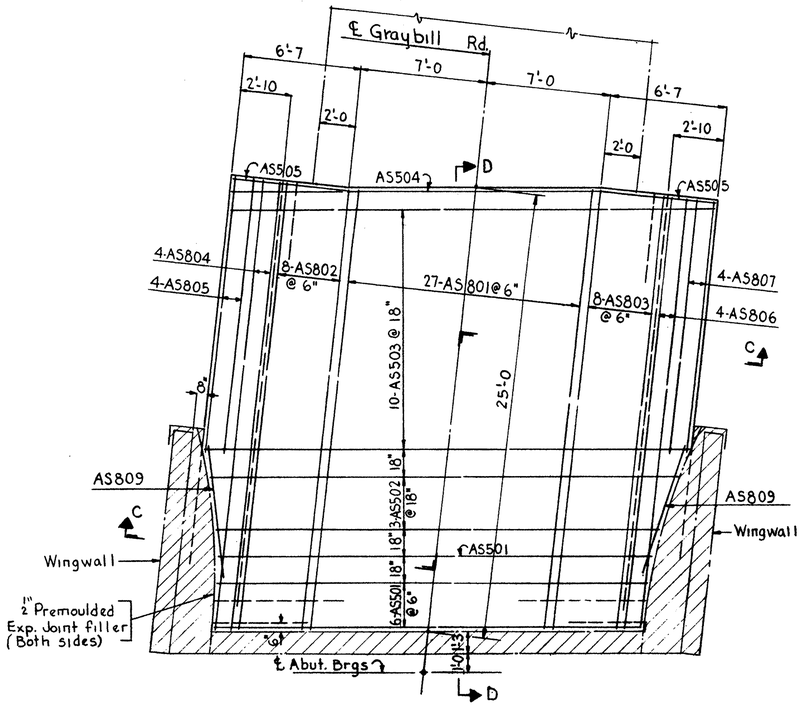
WINGWALL ELEVATION



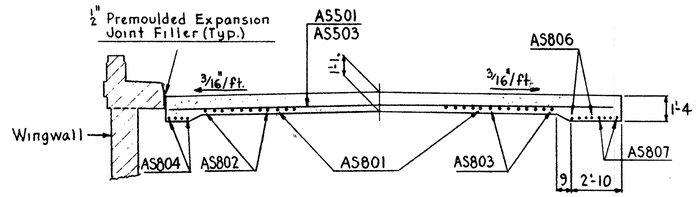
SECTION-B B



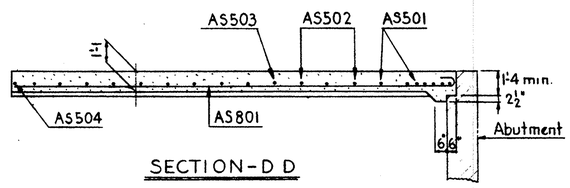
SECTION-C C



APPROACH SLAB DETAILS



SECTION C C



SECTION-D D

N.F. = Near Face
E.F. = Each Face

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENT DETAILS
BRIDGE NO SUM-8-0379
S.R.8 UNDER GRAYBILL ROAD

Sta. 200+03.14

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
A.A.	bo		R.L.M.	L.G.H. 10/26/61	

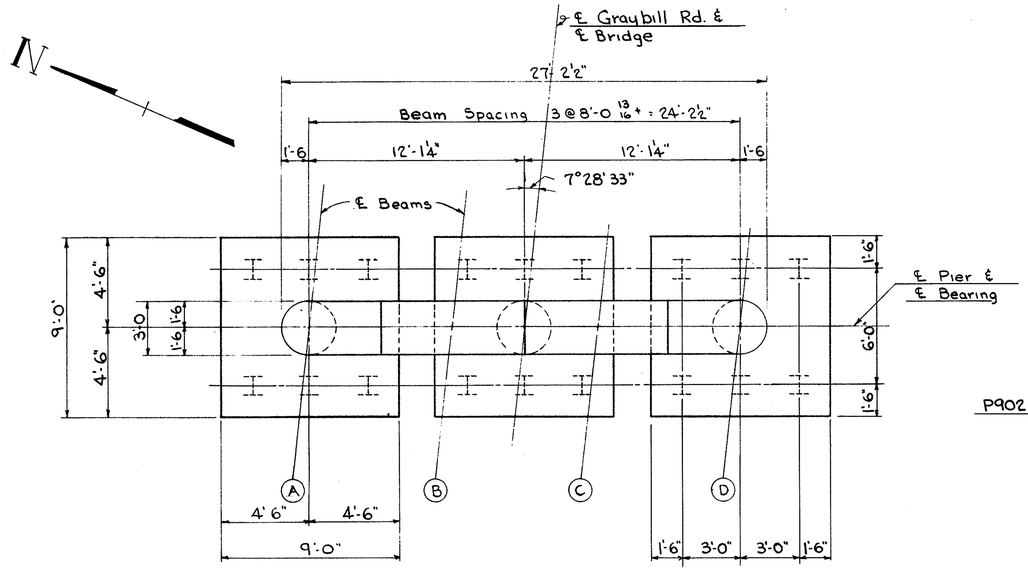
BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

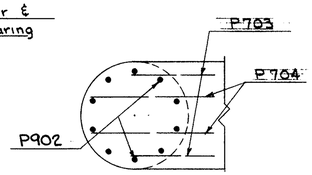
242

SUM - 8 - 1.89

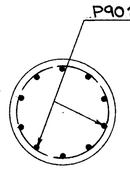
PIER ELEVATIONS						
PIER NO	A	B	C	D	E	F
1	1180.97	1181.10	1181.10	1180.99	1177.97	1159.47
2	1181.10	1181.23	1181.22	1181.10	1178.10	1159.60
3	1180.63	1180.74	1180.73	1180.60	1177.60	1159.10



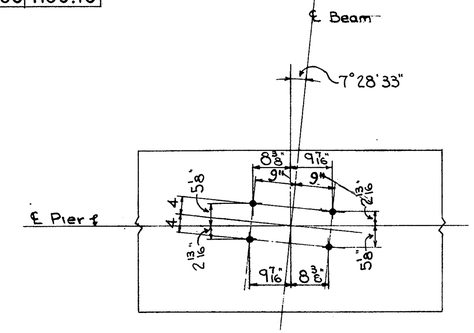
PLAN - PIERS NO. 1, 2, & 3



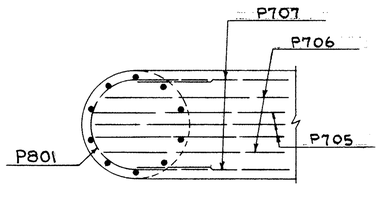
SECTION A-A



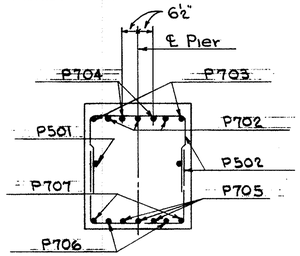
SECTION C-C



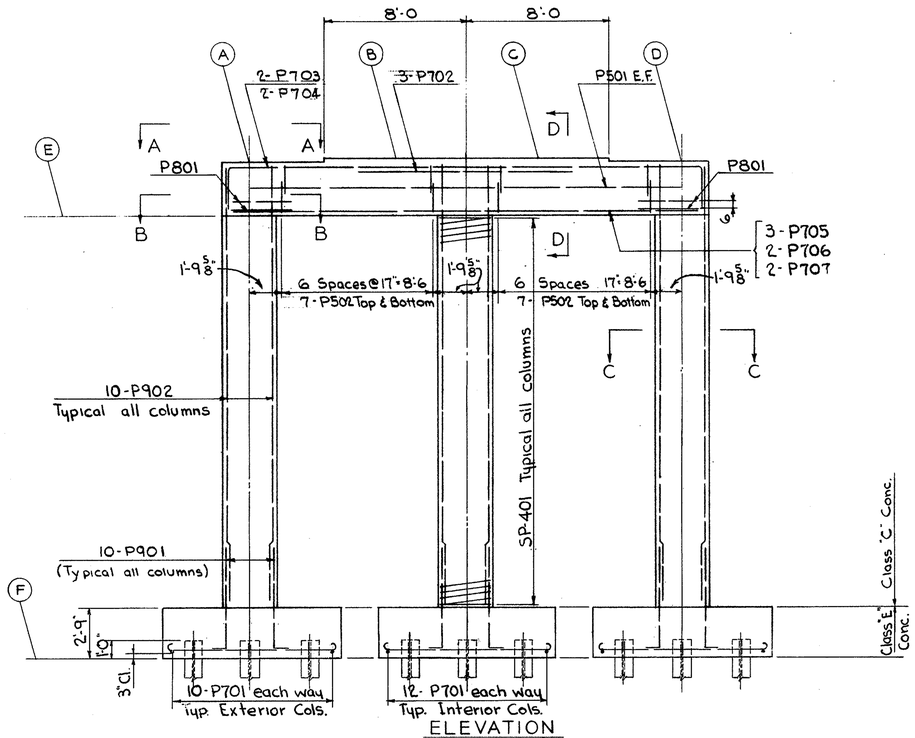
ANCHOR BOLT LOCATION PLAN
(FOR #2 PIER ONLY)



SECTION B-B



SECTION D-D



ELEVATION

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

PIERS
BRIDGE NO. SUM-8-0379
S.R.8 UNDER GRAYBILL RD.
Sta. 200+03.14

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
A.A.	SG		R.L.M.	L.G.H. 10/26/61	

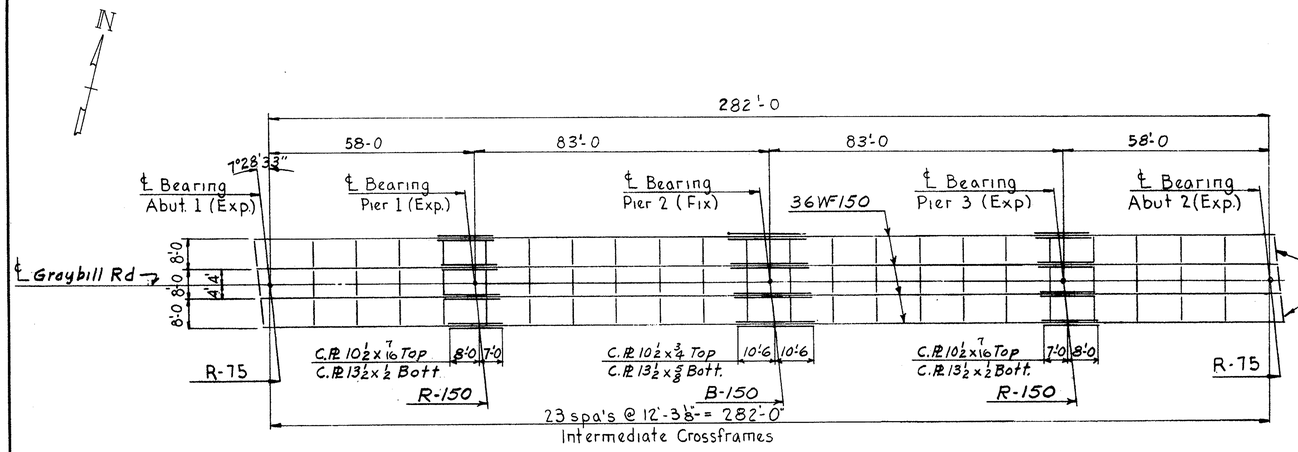
BEAVER VALLEY ENGINEERING SUPPLIES COMPANY REORDER A-39881-2

A = 10-S502, 10-S503, 10-S504, 4-R501
B = 12-S502, 12-S503, 12-S504, 4-R502
S502, S503 and S504 bars spaced 1'-5 ± 9c between deflection joints

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

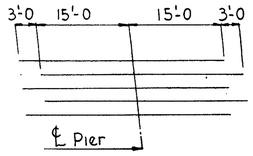
243

SUM-8-1.89

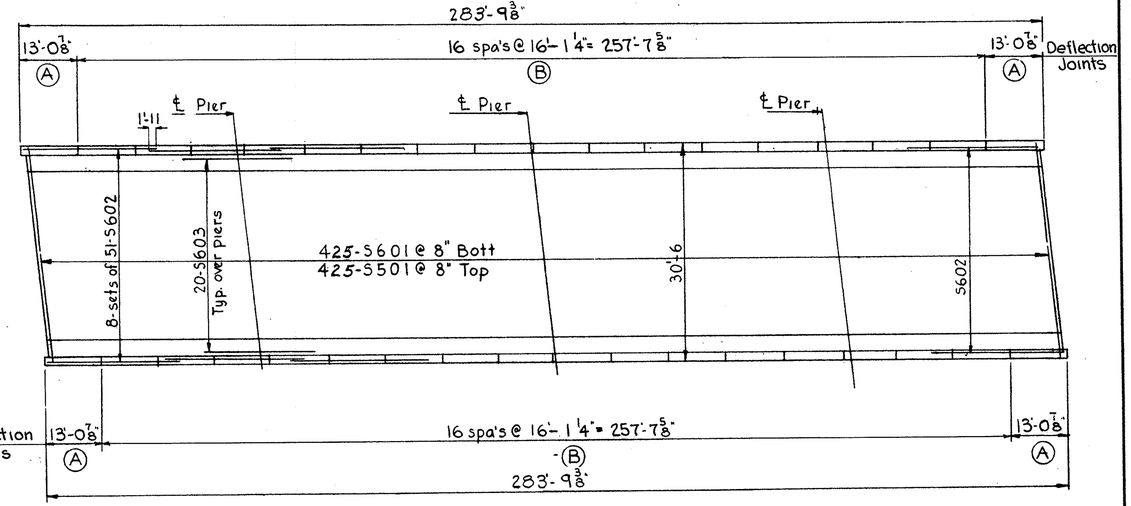


FRAMING PLAN

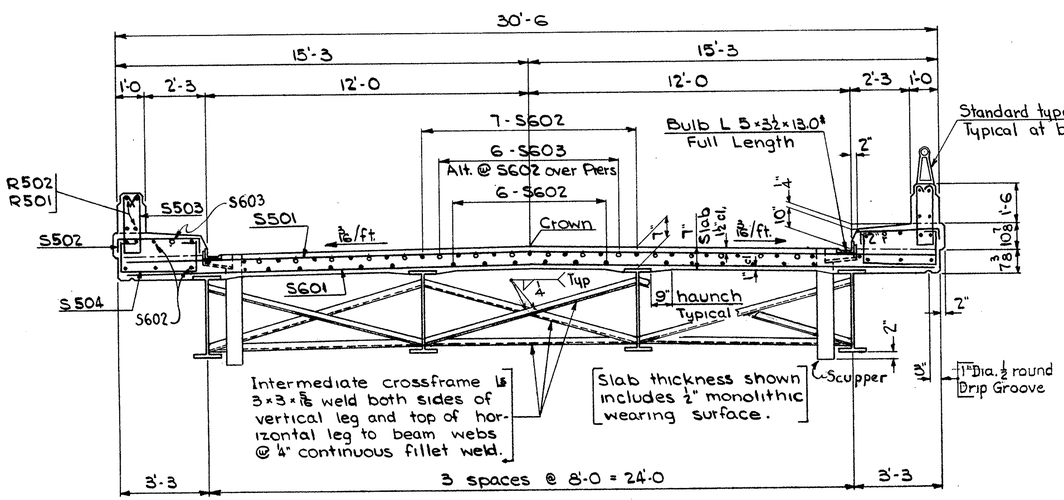
End Crossframes - See Section B B 8'-0 to 12'-0 and Section C C monolithic wearing surface Std Dwg. CSB-2-56 sheet 2 of 6 Revised 2-2-59.



STAGGER OF S603 BARS OVER PIERS



DECK REINFORCING PLAN



DEFLECTION & CAMBER				
	Outside Beams		Inside Beams	
	End Spans	Middle Spans	End Spans	Middle Spans
Deflection due to weight of steel.	1/16	1/8	1/16	1/8
Deflection due to remaining dead load	3/16	3/4	3/16	9/16
Convexity required for Vertical curve	7/16	15/16	7/16	15/16
Sum of Deflection and Convexity	11/16	1 13/16	11/16	1 5/8
Required Camber	0	1 13/16	0	1 5/8

Refer to Standard drawing RB-1-55 Rev. 2-2-59 for bearing details and Standard Drawing C S B-2-56 sheet 3 of 6 for bulb angle gutter supports, scuppers, curb pcs. and beam splice details.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

SUPERSTRUCTURE
BRIDGE NO. SUM-8-0379
SR8 UNDER GRAYBILL ROAD
Sta. 200+03.14

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
A.A.	bo		R.L.M.	L.G.H. 10/24/61	

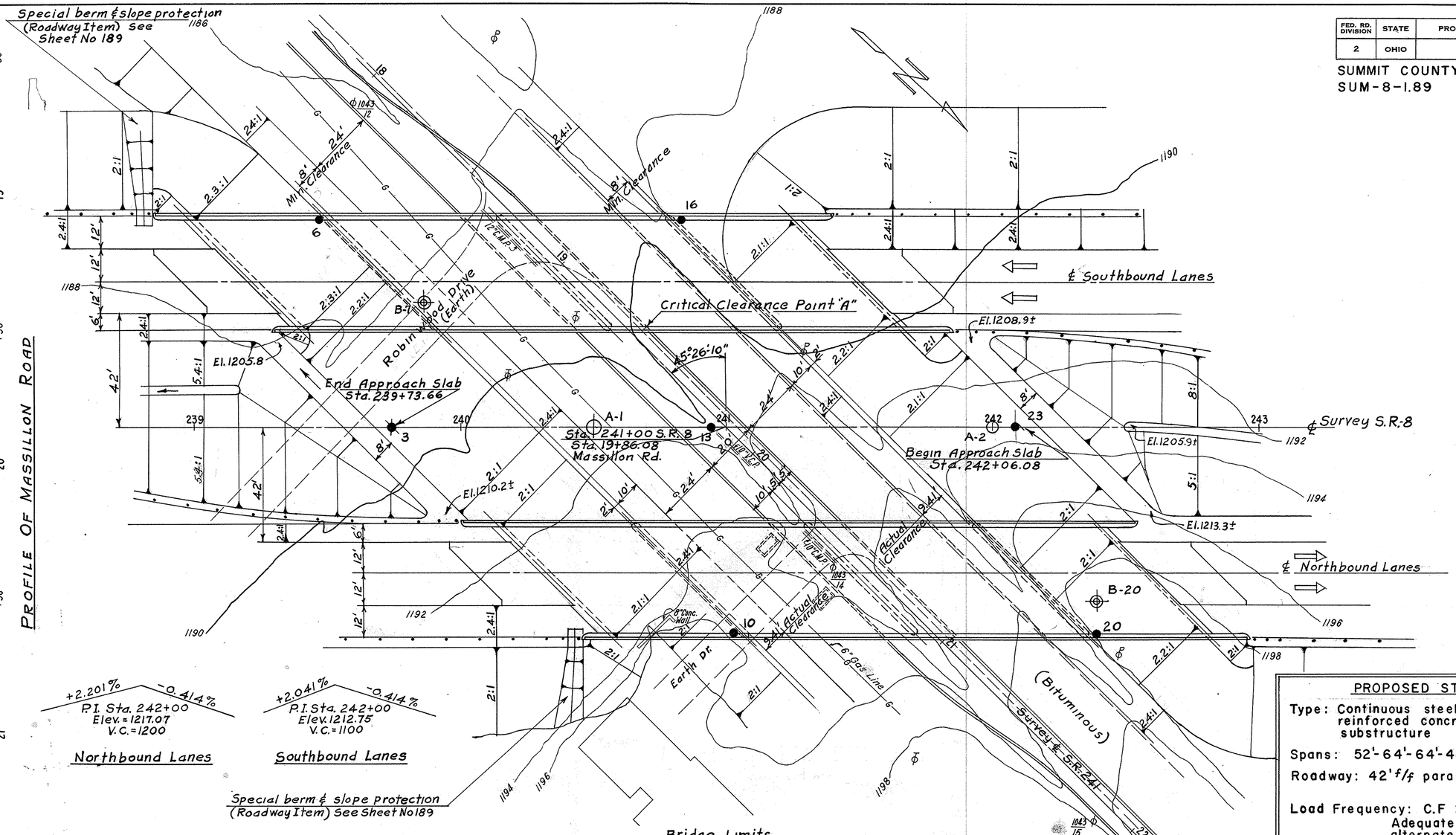
BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

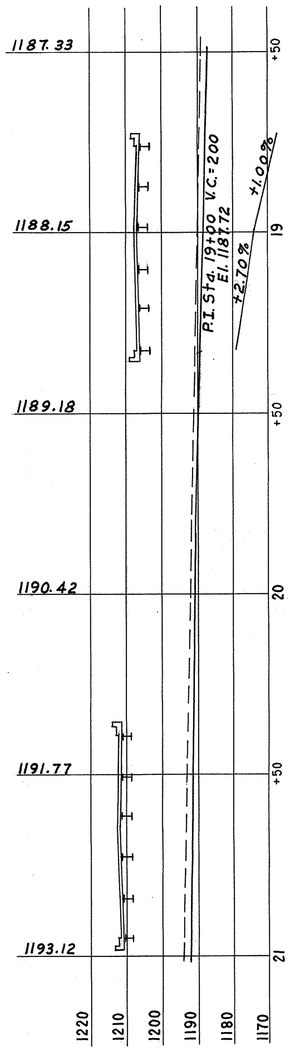
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

244

SUMMIT COUNTY
SUM-8-1.89

Special berm & slope protection (Roadway Item) See Sheet No 189





PROFILE OF MASSILLON ROAD

+2.201% −0.414%
P.I. Sta. 242+00
Elev. = 1217.07
V.C. = 1200

Northbound Lanes

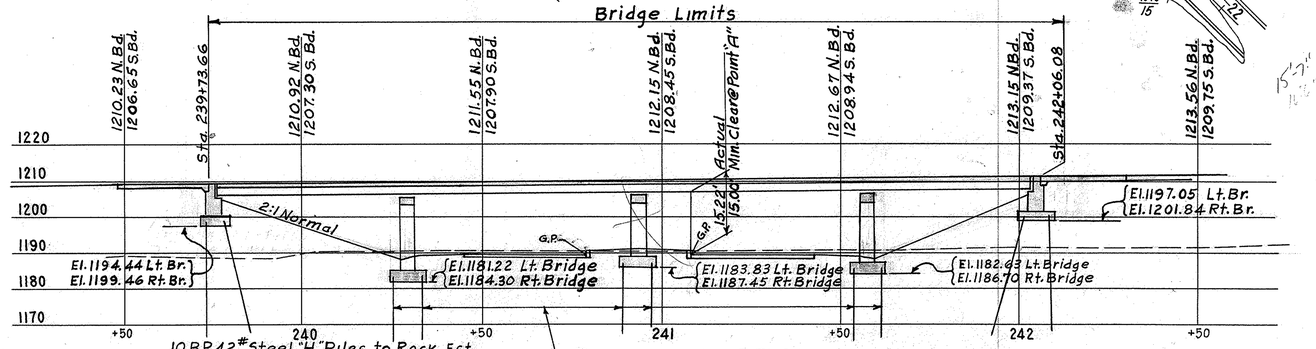
+2.041% −0.414%
P.I. Sta. 242+00
Elev. 1212.75
V.C. = 1100

Southbound Lanes

Special berm & slope protection (Roadway Item) See Sheet No 189

LEGEND

- ⊕ = Auger Boring
- ⊕ = Drive Sample - Core Boring
- ● = Drive Rod Penetration Resistance Soundings
- A = Indicates Auger Boring
- B = Indicates Drive Sample - Core Boring



10 BP 42# Steel "H" Piles to Rock. Est.
Avg. Pay Length. Rear Abutments 55'
Piers 40' Left to 42' Right. Forward Abutment 50'

PROFILE OF S.R.8

PROPOSED STRUCTURES

Type: Continuous steel beam with reinforced concrete deck and substructure

Spans: 52'-64'-64'-46' c/c Brgs.

Roadway: 42' f/f parapets

Load Frequency: C.F 2000 (57)
Adequate for A.A.S.H.O. alternate loading

Skew: 45°-26'-10" Rt. Forward

Wearing Surface 1" Monolithic Concrete

Approach Slab: AS-1-54 (25' Long)

Alignment: Tangent

15.7' NB.
14.7' SB.

Skew = 45.4361°

1980 A.D.T. = 15,000 S.F.N. 7702280L 7702310R

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

SITE PLAN
SUM-77-0455
BRIDGE NO. SUM-8-0456L&R
OVER MASSILLON ROAD
(STATE ROUTE 241)
Sta. 239+73.66 TO Sta. 242+06.08

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
M.B. Jr.		J.D.Y.	J.D.Y.	D.W.P.	L.G.H. 10/20/61

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY REORDER A-39921-1

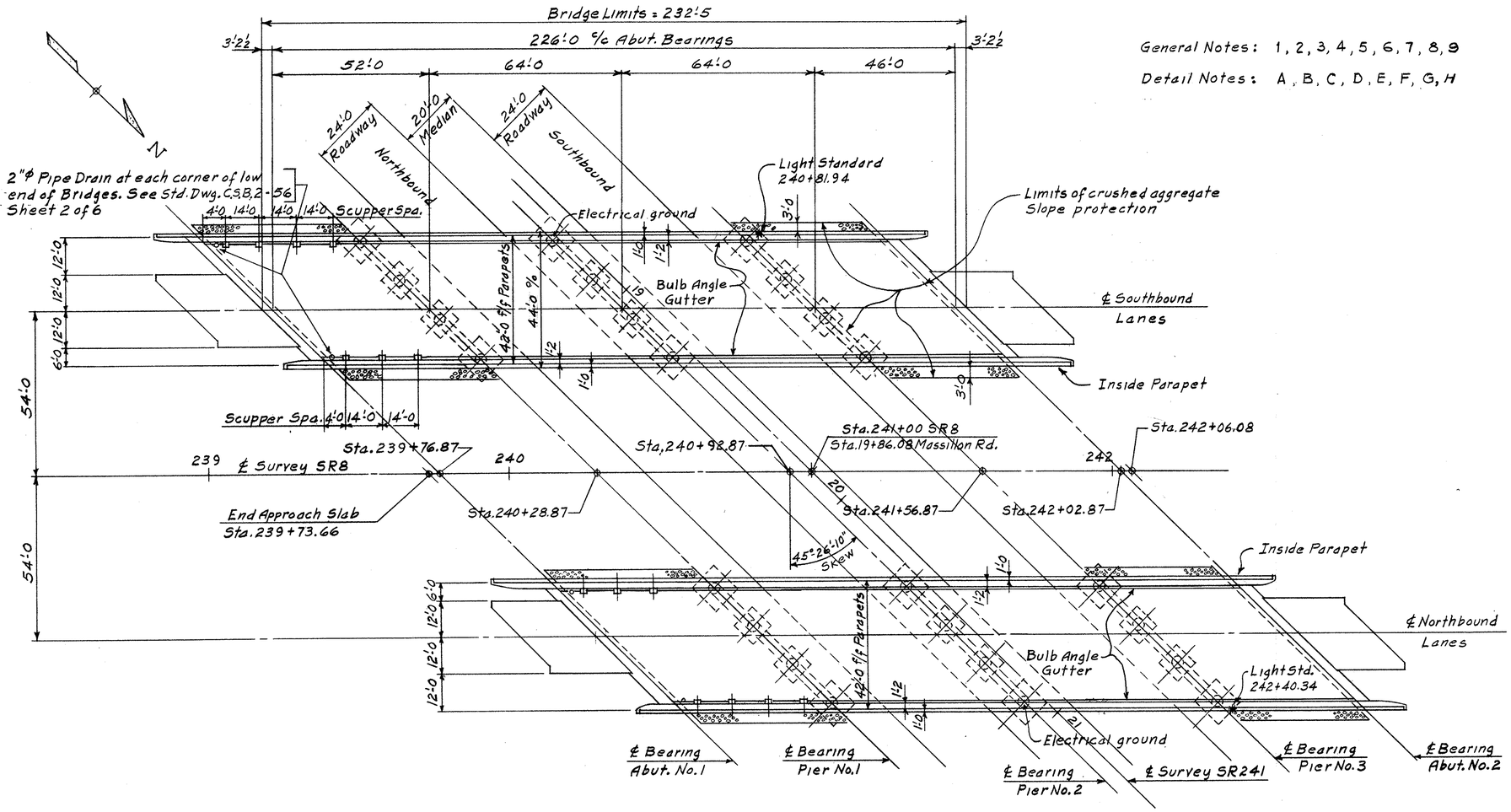
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

245

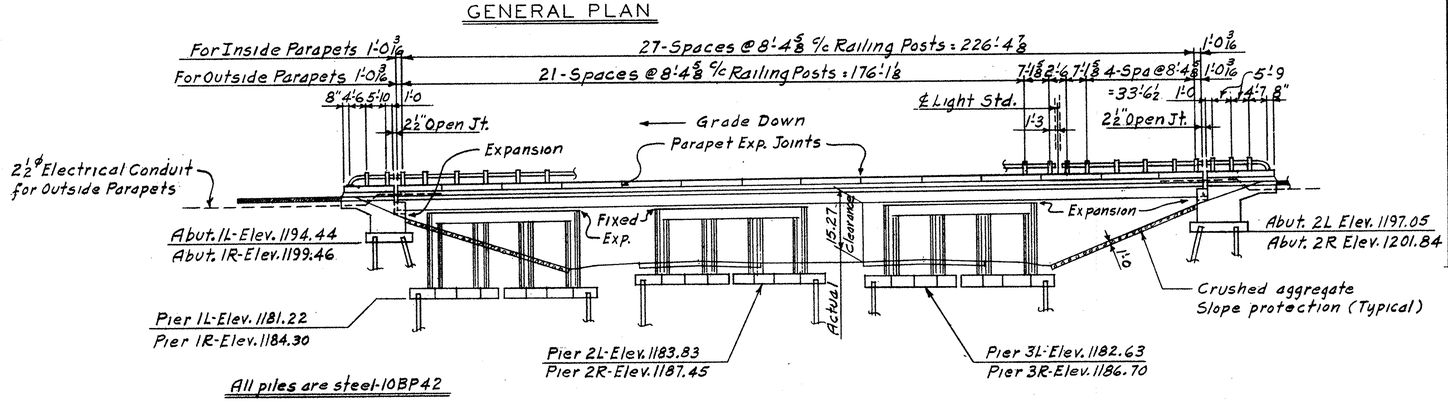
SUMMIT COUNTY - SUM - 8 - 1.89

General Notes: 1, 2, 3, 4, 5, 6, 7, 8, 9

Detail Notes: A, B, C, D, E, F, G, H



GENERAL PLAN



ELEVATION

ESTIMATED QUANTITIES

Item	Total	Unit	Description	LEFT BRIDGE Superstr.	Abuts.	Piers	General	RIGHT BRIDGE Superstr.	Abuts.	Piers	General
E-2	Lump sum	Lump sum	Cofferdams, cribs and sheeting				Lump sum				Lump sum
E-2	1400	cu. yds.	Unclassified excavation		300	470			300	470	
S-1	660	cu. yds.	Class "C" concrete, superstructure	330				330			
S-1	224	cu. yds.	Class "C" concrete, pier caps and columns			114				114	
S-1	420	cu. yds.	Class "E" concrete, abutments		210				210		
S-1	234	cu. yds.	Class "E" concrete, pier footings			117				117	
S-4	281,520	lbs.	Reinforcing steel	92,264	15,953	63,320		92,264	15,953	63,320	
S-7	540,000	lbs.	Structural steel	270,000		33,361		270,000		33,361	
S-8	540,000	lbs.	Field painting of structural steel	270,000				270,000			
S-14	1028	lin. ft.	Railing (aluminum rail & supports, concrete parapet)	457	57			457	57		
S-16	Lump sum	lumpsum	First test pile				Lump sum				*
S-18	8,140	lin. ft.	Steel piles 10BP42		1360	2640			1370	2770	
S-29	104	cu. yds.	Porous backfill		52				52		
S-29	14	each	Scuppers	7				7			
F-10	1,120	sq. yds.	Crushed aggregate, slope protection				560				560
Special	660	each	Water-reducing, set-retarding admixture	330				330			
S-25	Lump sum	lumpsum	Electric lighting system (As per plan)	Lump Sum			Lump Sum	Lump Sum			Lump Sum
S-25	518	lin. ft.	2½ϕ Electrical conduit (Asbestos cement)	229	30		1	229	30		1
E-127	2	Each	Deflectors, Type "A" Bracket mounted, as per plan				⊗				⊗

279,120 *

* See Proposal Note
** First Test Pile

⊗ See Roadway Plans, Sheet 191 for details.

Payment will be made for only one first test pile. It may be driven for either the Right or Left Bridge.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

GENERAL PLAN - ELEVATION & ESTIMATED QUANTITIES
BRIDGE NO. SUM-8-0456L&R
OVER MASSILLON ROAD
Sta. 239+73.66 TO Sta. 242+06.08

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
D.W.P.	TP		A.A.	L.G.H. 10/26/61	3-14-62

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

246

SUMMIT COUNTY
SUM - 8 - 1.89

ELEVATIONS

	ABUT. IL	ABUT. 2R		ABUT. IL	ABUT. 2R
A	1201.88	1208.88	K	1205.44	1212.44
B	1201.89	1209.06	L	1208.77	1215.77
C	1201.89	1209.25	M	1208.60	1215.87
D	1201.69	1209.22	N	1204.76	1212.65
E	1201.45	1209.16	P	1208.06	1216.00
F	1201.20	1209.09	R	1207.79	1216.13
G	1205.72	1213.64	S	1205.05	1212.22
H	1206.42	1213.83	T	1204.69	1212.41
J	1206.40	1213.43			

N FOR IL

N FOR 2R

WINGWALL "A"

WINGWALL "B"

℄ Survey SR8

℄ Roadway

Approach slab seat

7-A605

7-A604

Top

45°-26'-10" Typical

1'-6 1'-6 Typical

5-Spaces @ 11'-3⅜ = 56'-4⅞ (Beam Spacing)

26'-10⅛

35'-4 1/16"

27'-6⅛

33'-9⅜

61'-3¼

Elevations given are to these points

Slope beam seat 3" between beam seats

Slope surface parallel to grade

Crushed aggregate slope protection

Porous Backfill

4" ℄ Weepholes @ 10'-0 ± ⅝

A501 A502 A503 A504 A601 A602 A801

PLAN ABUTMENTS NO. IL & 2R

Approach slab seat

57-A602 @ 1'-0 ⅝

17-A504

Top of slope approximately parallel to beam seat

44-A503 Lap with A601 and A502

3-A801

4-A801

7-A601, 7-A501, 7-A502 Typical between piling @ 1'-5 ± ⅝

6-Spaces @ 9'-6 ± ⅝ 10 BP 42 Steel "H" Piles = 57'-0

44-A602-far face · 44-A502-near face 44-A501 (in footing)

Elev. 1194.44-Abut-1L
Elev. 1201.84-Abut-2R

ELEVATION

SECTION-AA FOR ABUTMENT-IL

Slope Surface parallel to grade

Elevations given are to these points ℄ Bearings

Slope beam seat 3" between beam seats

SECT.-AA FOR ABUT. 2R

PARTS NOT SHOWN SAME AS ABUT. IL

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENTS NO. IL & 2R
BRIDGE NO. SUM-8-0456L&R
OVER MASSILLON ROAD
Sta. 239+73.66 TO Sta. 242+06.08

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	TP		SJF	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY REORDER A-39921-2

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

247

SUMMIT COUNTY - SUM - 8 - 1.89

ELEVATIONS

	ABUT. IR	ABUT. 2L		ABUT. IR	ABUT. 2L
A	1206.50	1204.46	K	1210.47	1207.55
B	1206.73	1204.51	L	1213.81	1210.89
C	1206.95	1204.56	M	1213.66	1211.00
D	1206.96	1204.39	N	1210.06	1208.02
E	1206.94	1204.19	P	1213.36	1211.38
F	1206.91	1203.99	R	1213.13	1211.53
G	1211.02	1209.02	S	1210.11	1207.50
H	1211.51	1209.12	T	1209.81	1207.73
J	1211.44	1208.55			

FOR IR

FOR 2L

WINGWALL "A"

WINGWALL "B"

T-A605

T-A604

Approach slab seat

℄ Roadway

Top

Typical

5-Spaces @ 11'-3⅜" = 56'-4⅞" (Beam Spacing)

61'-3¼

PLAN ABUTMENTS NO. IR & 2L

57-A602 @ 1'-0 c/c

17-A504

44-A503 Lap with A601 and A502

3-A801

4-A801

7-A601, 7-A501, 7-A502 Typical between piling @ 1'-5± c/c

6-Spaces @ 9'-6± c/c 10 BP 42 Steel "H" Piles = 57'-0

44-A602-Far face

44-A502-near face

4-A501 (in footing)

Elev. 1199.46 - Abut. - IR
Elev. 1197.05 - Abut. 2L

ELEVATION

Slope surface parallel to grade

Elevations given are to these points

Slope bridge seat ¾" between beam seats

Crushed aggregate Slope protection

℄ Survey S.R.8

Porous Backfill

4" ϕ Weepholes @ 10'-0 ± c/c

A504 A503 A601 A501 A801 A602 A502

SECTION - A A
FOR ABUTMENT-IR

SECT.-AA FOR ABUT. 2L
PARTS NOT SHOWN SAME AS ABUT.IR

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENTS NO. IR & 2L
BRIDGE NO. SUM-8-0456L&R
OVER MASSILLON ROAD
Sta. 239+73.66 TO Sta. 242+06.08

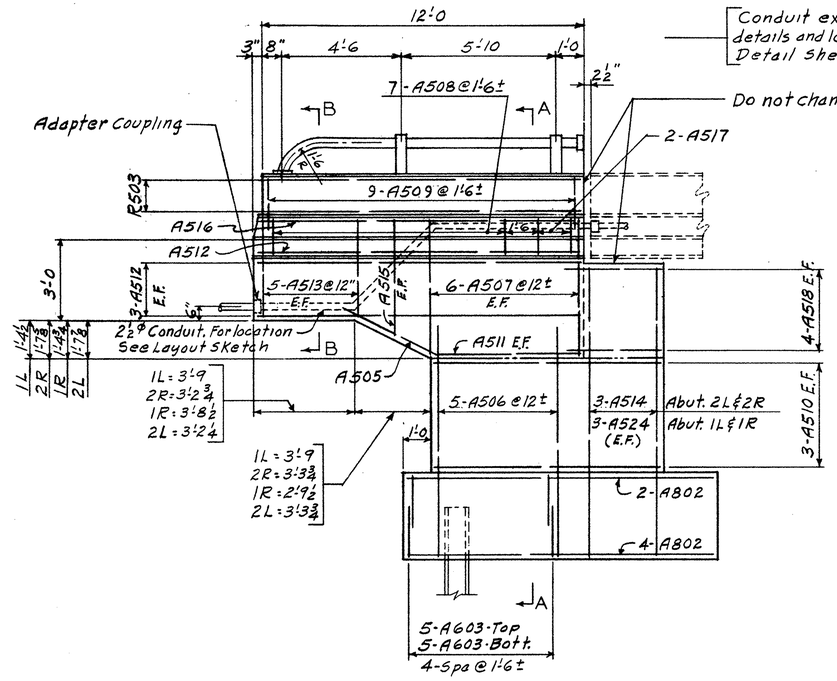
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	TP		SJF	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

248

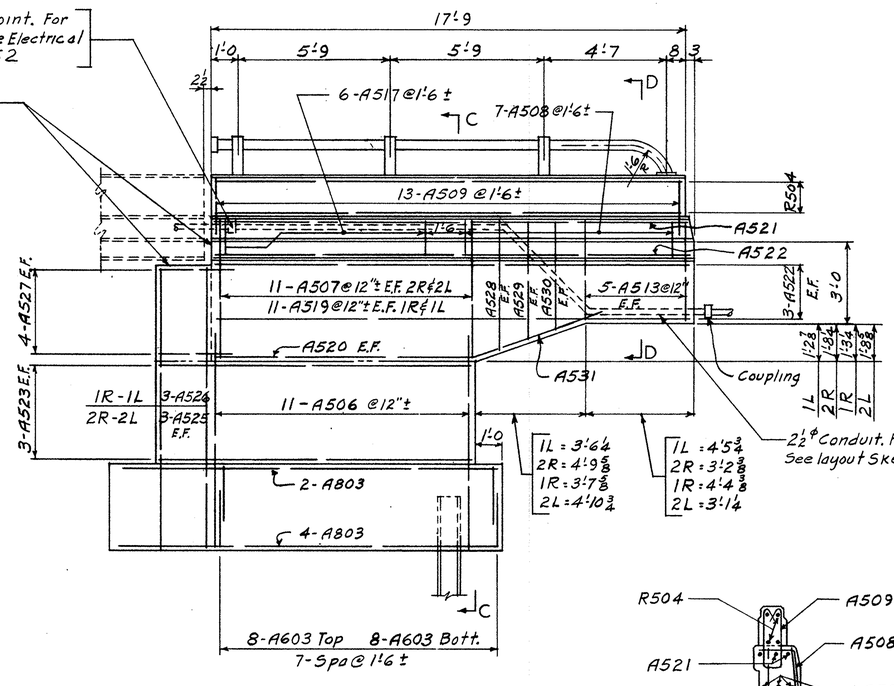
SUMMIT COUNTY
SUM - 8 -1.89



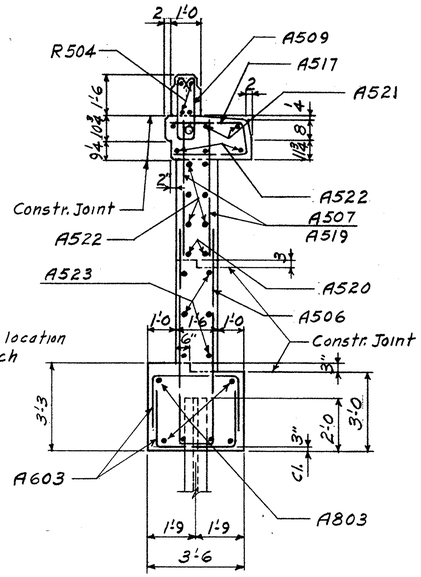
WINGWALL "A" ELEVATION

Conduit expansion joint. For details and location see Electrical Detail Sheet No. 252

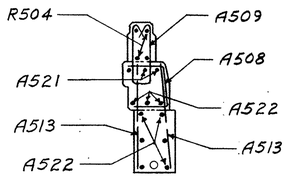
Do not chamfer



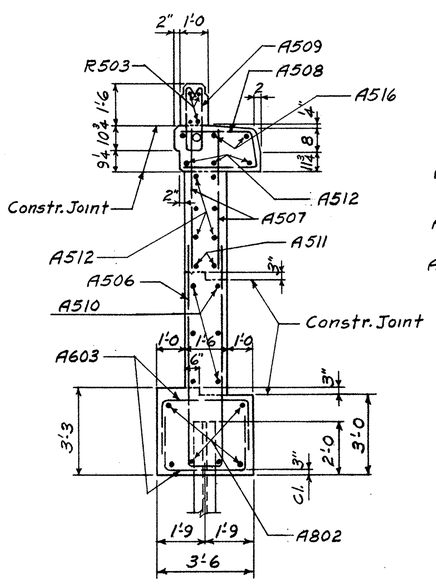
WINGWALL "B" ELEVATION



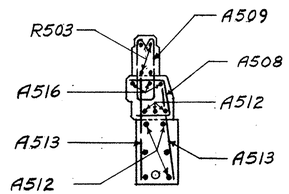
SECTION - CC



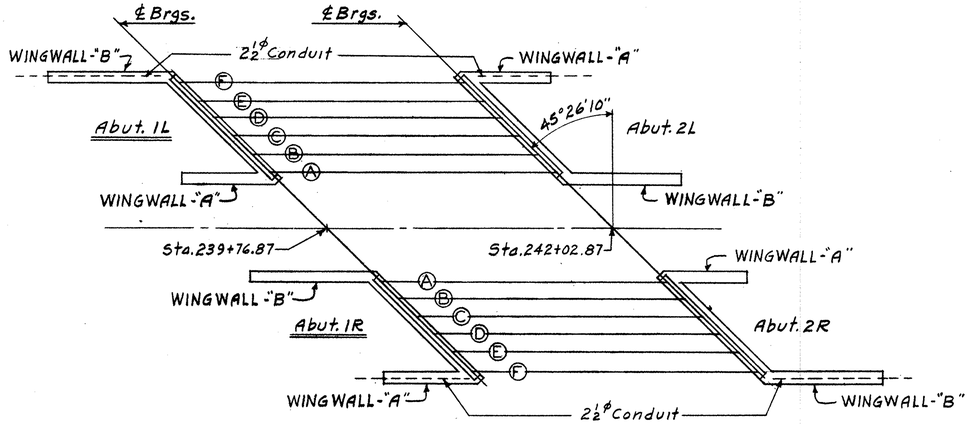
SECTION - DD



SECTION - AA



SECTION - BB



LAYOUT SKETCH

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENT DETAILS
BRIDGE NO. SUM-8-0456L&R
OVER MASSILLON ROAD
Sta. 239+73.66 TO Sta. 242+06.08

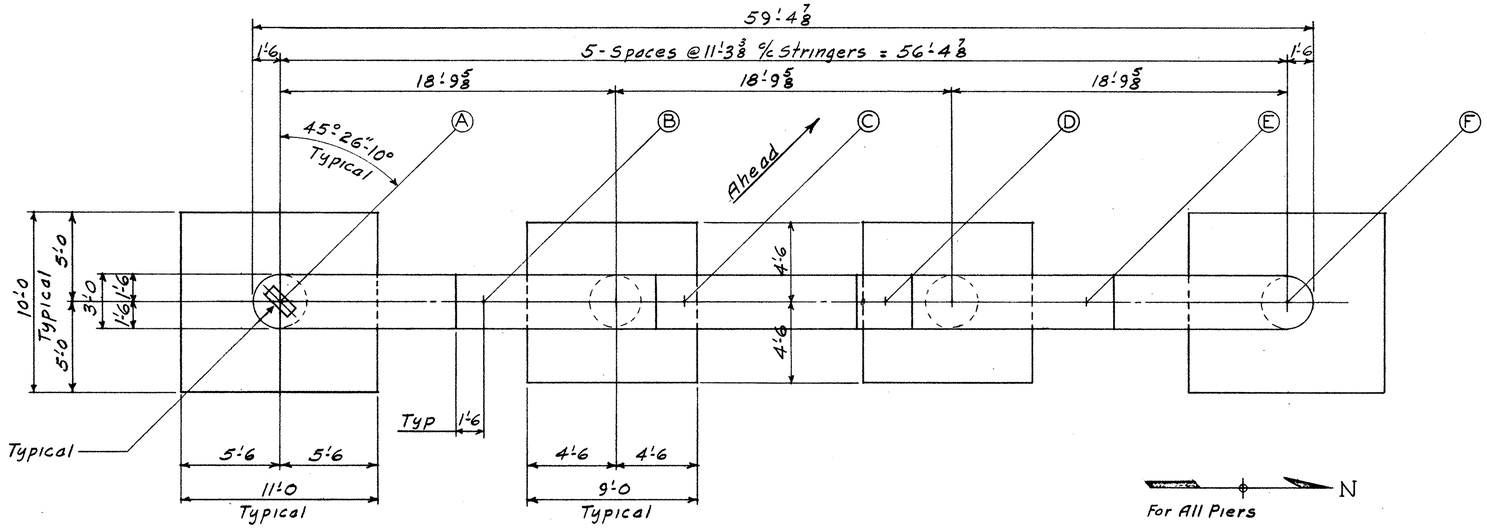
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	TP		A.A.	L.G.H. 10/20/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

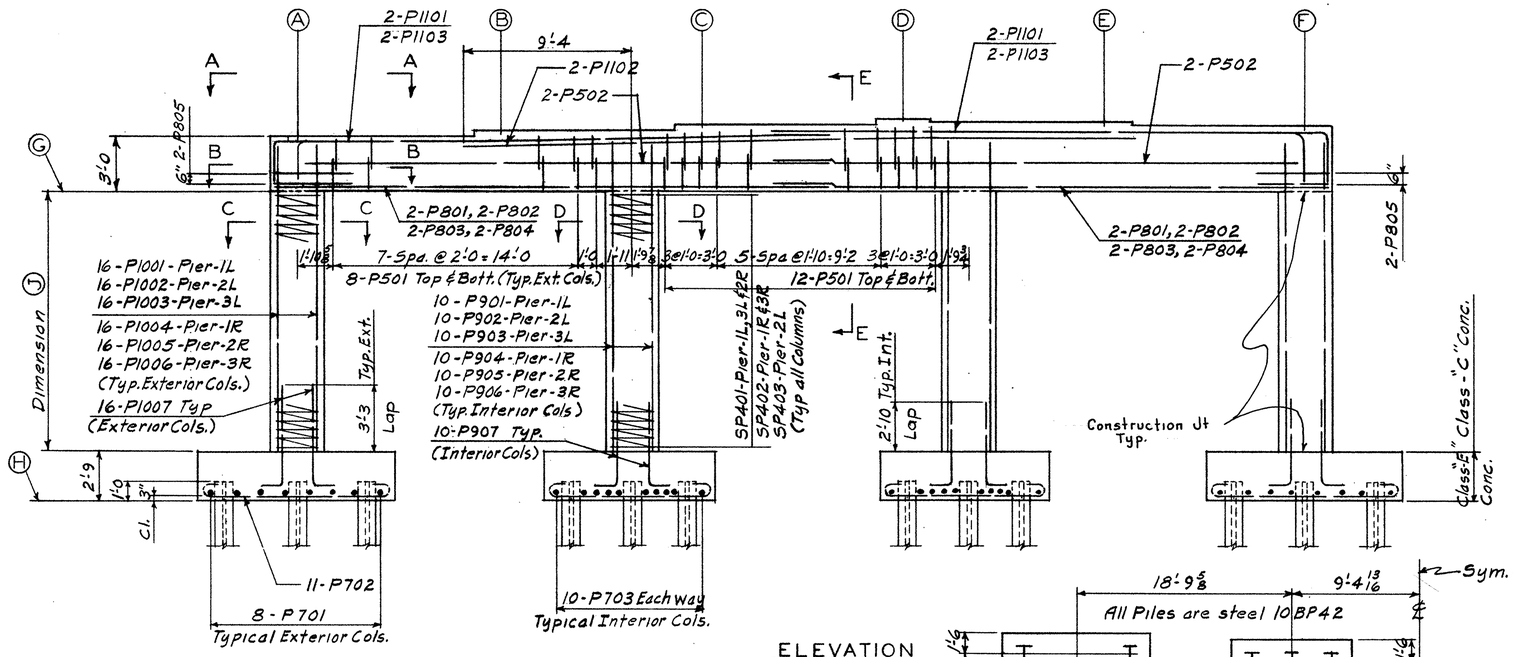
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

249

SUMMIT COUNTY
SUM - 8 -1.89



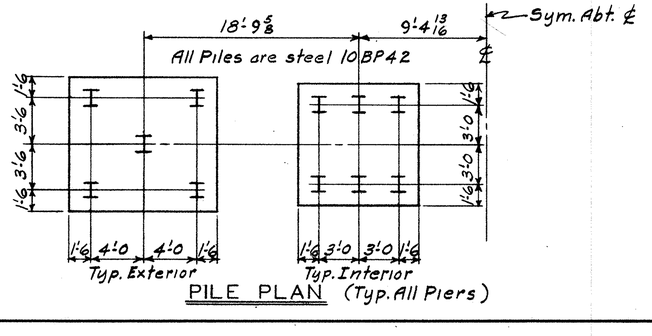
PLAN - ALL PIERS



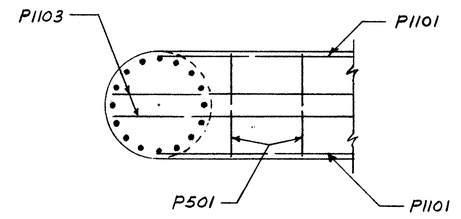
ELEVATION

PIER ELEVATIONS									DIMENSION
PIER NO	A	B	C	D	E	F	G	H	J
1L	1201.45	1201.68	1201.91	1202.11	1202.09	1202.07	1198.45	1181.22	14'-5 3/4
2L	1202.28	1202.50	1202.72	1202.91	1202.88	1202.85	1199.28	1183.83	12'-8 3/8
3L	1203.16	1203.37	1203.58	1203.76	1203.72	1203.67	1200.16	1182.63	14'-9 3/8
1R	1206.65	1206.86	1207.08	1207.08	1207.05	1207.01	1203.65	1184.30	16'-7 1/4
2R	1207.36	1207.57	1207.77	1207.76	1207.71	1207.67	1204.36	1187.45	14'-1 7/8
3R	1208.13	1208.33	1208.52	1208.49	1208.44	1208.38	1205.13	1186.70	15'-8 5/8

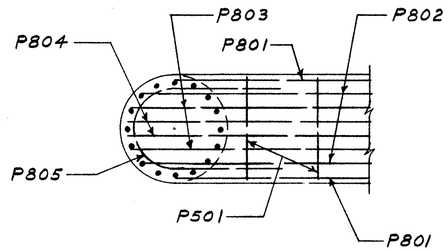
BEAVER VALLEY ENGINEERING SUPPLIES COMPANY



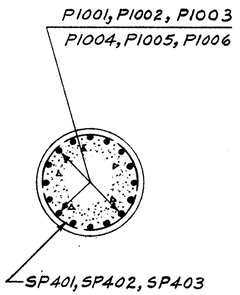
PILE PLAN (Typ. All Piers)



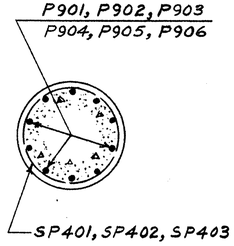
PLAN - AA



SECTION - BB

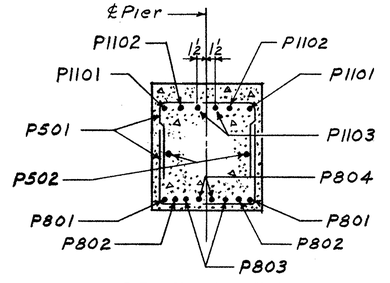


SECTION - CC



SECTION - DD

NOTES
Special care shall be taken in placing Reinforcing Steel in No. 2 Pier cap so that it will not interfere with the Bolster Anchor Bolts



SECTION - EE

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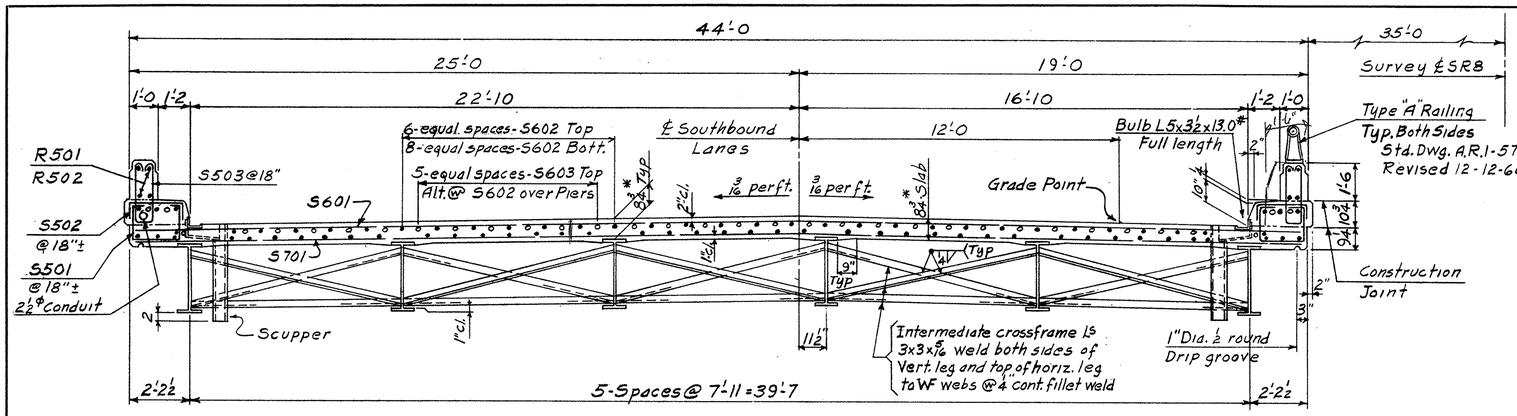
PIERS
BRIDGE NO. SUM-8-0456L&R
OVER MASSILLON ROAD
Sta. 239+73.66 TO Sta. 242+06.08

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
A.A.	TP		DWP	K. G. H. 10/26/61	

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

250

SUMMIT COUNTY
SUM - 8 -1.89



TYPICAL SECTION SOUTHBOUND LANES
NORTHBOUND LANES OPP. HAND

* Note: Slab thickness shown includes 1" monolithic wearing surface

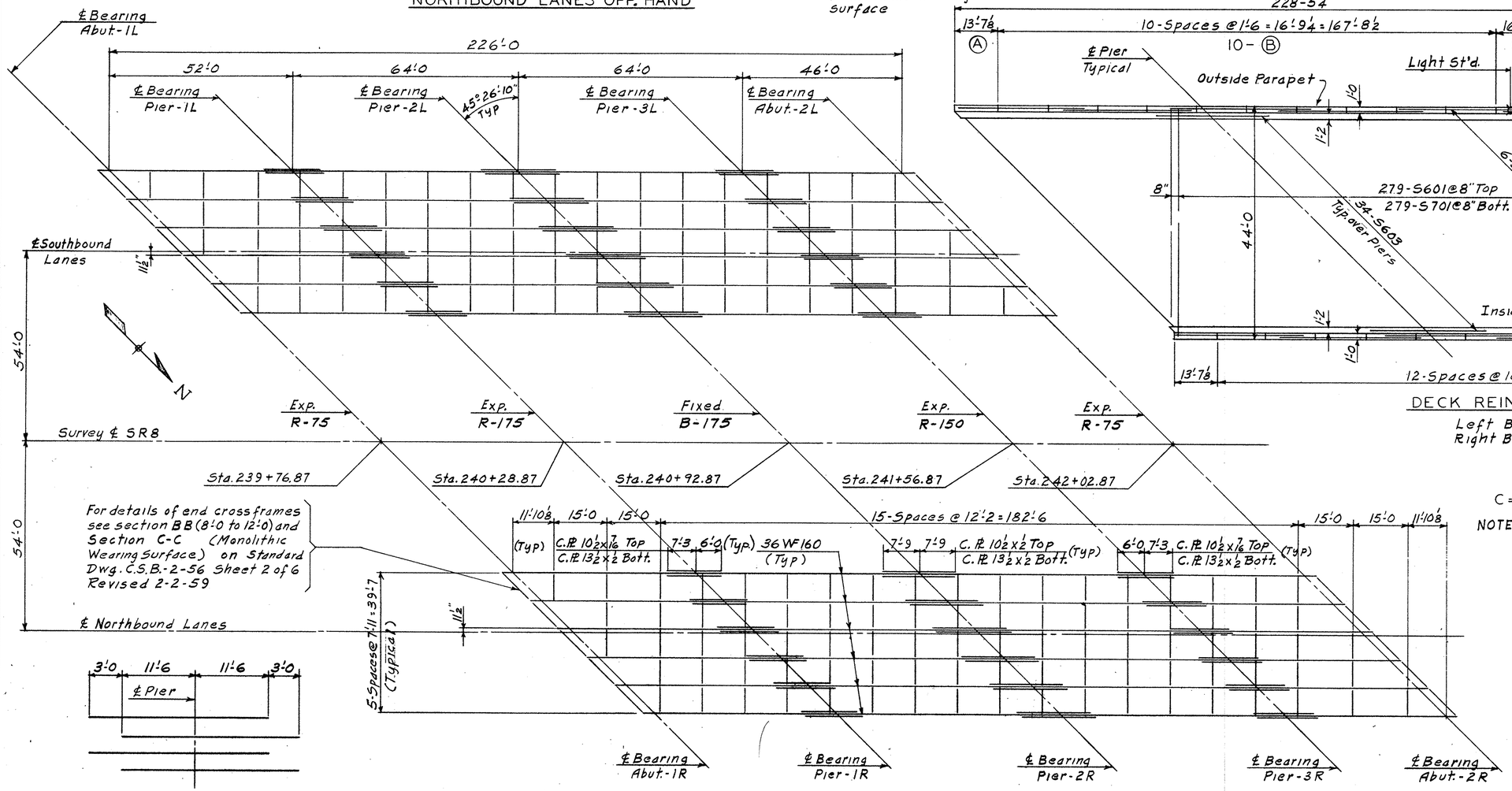
LOCATION	Outside Beams				Inside Beams			
	Span #1	Span #2	Span #3	Span #4	Span #1	Span #2	Span #3	Span #4
Deflection due to weight of steel	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16
Deflection due to remaining dead load	3/16	1/4	1/4	1/8	3/16	1/4	1/4	1/8
Convexity required for vertical curve	–	–	–	–	–	–	–	–
Total	1/4	5/16	5/16	3/16	1/4	5/16	5/16	3/16
Required Camber	–	–	–	–	–	–	–	–

DECK REINFORCING PLAN

Left Bridge - As Shown
Right Bridge - Opposite Hand

A = 10 - S501, 10 - S502, 10 - S503, 4 - R501
B = 12 - S501, 12 - S502, 12 - S503, 4 - R502
C = 12 - S501, 11 - S502, 17 - S503, 4 - R502, 1 - R505

NOTES: Refer to parapet and electrical detail sheet for reinforcing at light standard. (Sheet 252)
- Refer to Std. Dwg. C.S.B.-2-56 Sheet 3 of 6 for details of scuppers, bulb angle gutter supports, curb plate details and beam splice details.
- Refer to Std. Dwg. RB-1-55 Rev. 2-2-59 for bearing details



FRAMING PLAN

STAGGER OF 603 BARS

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

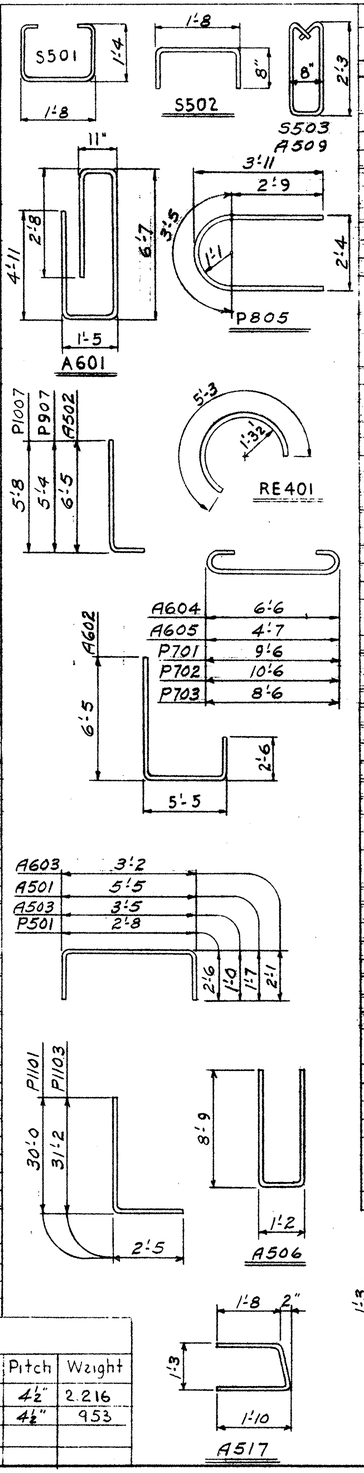
SUPERSTRUCTURE
BRIDGE NO. SUM-8-0456L&R
OVER MASSILLON ROAD
Sta. 239+73.66 TO Sta. 242+06.08

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	TP		A.A.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY REORDER A-39931-2

REINFORCING STEEL LIST LEFT BRIDGE

Mark	No.	Length	Weight	Shp
SUPERSTRUCTURE				
S701	279	43'-8	24.903	Str.
□S702	25@59	3'-10 to 4'-11	6.724	Str.
S703	4	32'-2	263	Str.
S601	279	43'-8	18.300	Str.
S602	468	39'-5	27.708	Str.
S603	102	26'-0	3.983	Str.
△S604	25@59	3'-10 to 4'-11	5.516	Str.
S605	4	32'-0	193	Str.
S501	328	5'-1	1.739	Bt.
S502	327	2'-9	938	Bt.
S503	333	5'-9	1.991	Bt.
R501	16	13'-3	*	Str.
R502	96	16'-5	*	Str.
R503	8	11'-8	*	Str.
R504	8	17'-5	*	Str.
R505	1	14'-4	*	Str.
ABUTMENTS				
A801	28	31'-8	2.368	Str.
A802	12	11'-4	363	Str.
A803	12	14'-6	465	Str.
A601	114	15'-11	2.726	Bt.
A602	88	14'-1	1.861	Bt.
A603	52	7'-0	547	Bt.
A604	14	7'-10	165	Bt.
A605	14	5'-11	124	Bt.
A501	88	8'-4	765	Bt.
A502	88	6'-11	635	Bt.
A503	88	5'-2	475	Bt.
A504	68	31'-6	2.234	Str.
A505	4	4'-0	17	Str.
A506	32	18'-5	615	Bt.
A507	46	5'-1	244	Str.
◊A508	28	2'-10 to 4'-6	107	Bt.
A509	44	5'-9	264	Bt.
A510	12	8'-4	104	Str.
A511	4	5'-5	83	Str.
A512	18	11'-11	224	Str.
A513	40	3'-5	143	Str.
A514	12	10'-0	125	Str.
A515	4	4'-1	17	Str.
A516	6	11'-8	73	Str.
A517	12	4'-6	56	Bt.
A518	16	4'-3	71	Str.
A519	22	4'-11	113	Str.
A520	4	9'-9	41	Str.
A521	6	17'-5	110	Str.
A522	18	17'-8	335	Str.
A523	12	11'-9	141	Str.
A524	12	10'-6	131	Str.
A525	6	10'-6	66	Str.
A526	6	10'-0	63	Str.
A527	16	3'-7	60	Str.
A528	4	4'-8	19	Str.
A529	4	4'-3	18	Str.
A530	4	3'-10	16	Str.
A531	4	5'-6	23	Str.



Mark	No.	Length	Weight	Shp
PIERS				
P1101	12	32'-1	2.045	Bt.
P1102	6	37'-6	1.195	Str.
P1103	12	33'-3	2.120	Bt.
P1001	32	17'-4	2.384	Str.
P1002	32	15'-6	2.134	Str.
P1003	32	17'-7	2.420	Str.
P1007	96	6'-9	2.788	Bt.
P901	20	17'-4	1.179	Str.
P902	20	15'-6	1.054	Str.
P903	20	17'-7	1.196	Str.
P907	60	18'-6 (6'-4")	3.770 (1292)	Bt
P801	12	29'-6	945	Str.
P802	12	30'-5	976	Str.
P803	12	30'-8	983	Str.
P804	12	30'-10	988	Str.
P805	12	8'-11	286	Bt.
P701	48	11'-2	1.096	Bt.
P702	66	12'-2	1.641	Bt.
P703	120	10'-0 (10'-2")	2.453 (2494)	Bt.
P501	168	7'-5	1.300	Bt.
P502	12	29'-0	363	Str.

Mark	No.	Length	Weight
REPLACEMENT BARS			
RE 1101	1	7'-6	— Str.
RE 1001	1	7'-2	— Str.
RE 901	1	6'-10	— Str.
RE 801	1	6'-6	— Str.
RE 701	2	6'-2	— Str.
RE 601	3	5'-10	— Str.
RE 501	6	5'-7	— Str.
RE 401	1	5'-3	— Bt.

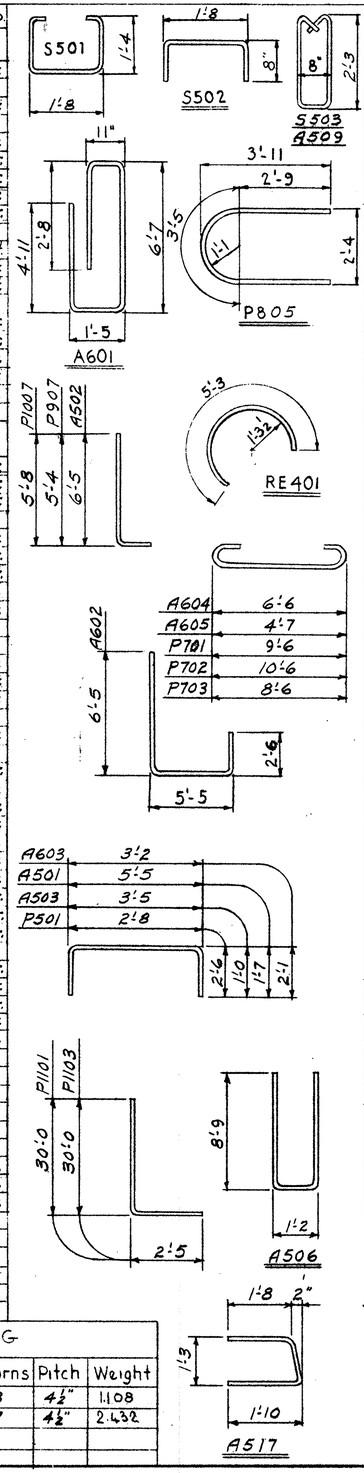
□ Vary by 7/8
◊ Vary by 3/8
* Included with Railing for Payment

Mark	No.	Core Dia.	Length	No. Turns	Pitch	Weight
SPIRAL REINFORCING						
SP401	8	32"	14'-9	43	4½"	2.216
SP403	4	32"	12'-8	37	4½"	953

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

REINFORCING STEEL LIST RIGHT BRIDGE

Mark	No.	Length	Weight	Shp
SUPERSTRUCTURE				
S701	279	43'-8	24.903	Str.
□S702	25@59	3'-10 to 4'-11	6.724	Str.
S703	4	32'-2	263	Str.
S601	279	43'-8	18.300	Str.
S602	468	39'-5	27.708	Str.
S603	102	26'-0	3.983	Str.
□S604	25@59	3'-10 to 4'-11	5.516	Str.
S605	4	32'-0	193	Str.
S501	328	5'-1	1.739	Bt.
S502	327	2'-9	938	Bt.
S503	333	5'-9	1.991	Bt.
R501	16	13'-3	*	Str.
R502	96	16'-5	*	Str.
R503	8	11'-8	*	Str.
R504	8	17'-5	*	Str.
R505	1	14'-4	*	Str.
ABUTMENTS				
A801	28	31'-8	2.368	Str.
A802	12	11'-4	363	Str.
A803	12	14'-6	465	Str.
A601	114	15'-11	2.726	Bt.
A602	88	14'-1	1.861	Bt.
A603	52	7'-0	547	Bt.
A604	14	7'-10	165	Bt.
A605	14	5'-11	124	Bt.
A501	88	8'-4	765	Bt.
A502	88	6'-11	635	Bt.
A503	88	5'-2	475	Bt.
A504	68	31'-6	2.234	Str.
A505	4	4'-0	17	Str.
A506	32	18'-5	615	Bt.
A507	46	5'-1	244	Str.
◊A508	28	2'-10 to 4'-6	107	Bt.
A509	44	5'-9	264	Bt.
A510	12	8'-4	104	Str.
A511	4	5'-5	23	Str.
A512	18	11'-11	224	Str.
A513	40	3'-5	143	Str.
A514	12	10'-0	125	Str.
A515	4	4'-1	17	Str.
A516	6	11'-8	73	Str.
A517	12	4'-6	56	Bt
A518	16	4'-3	71	Str.
A519	22	4'-11	113	Str.
A520	4	9'-9	41	Str.
A521	6	17'-5	110	Str.
A522	18	17'-8	335	Str.
A523	12	11'-9	141	Str.
A524	12	10'-6	131	Str.
A525	6	10'-6	66	Str.
A526	6	10'-0	63	Str.
A527	16	3'-7	60	Str.
A528	4	4'-8	19	Str.
A529	4	4'-3	18	Str.
A530	4	3'-10	16	Str.
A531	4	5'-6	23	Str.



Mark	No.	Length	Weight	Shp
PIERS				
P1101	12	32'-1	2.045	Bt.
P1102	6	37'-6	1.195	Str.
P1103	12	33'-3	2.120	Bt.
P1004	32	19'-5	2.672	Str.
P1005	32	17'-0	2.341	Str.
P1006	32	18'-6	2.541	Str.
P1007	96	6'-9	2.788	Bt.
P904	20	19'-5	1.321	Str.
P905	20	17'-0	1.156	Str.
P906	20	18'-6	1.258	Str.
P907	60	6'-4	1.292	Bt.
P801	12	29'-6	945	Str.
P802	12	30'-5	916	Str.
P803	12	30'-8	983	Str.
P804	12	30'-10	988	Str.
P805	12	8'-11	286	Bt.
P701	48	11'-2	1.096	Bt.
P702	66	12'-2	1.641	Bt.
P703	120	10'-0 (10'-2")	2.453 (2494)	Bt.
P501	168	7'-5	1.300	Bt.
P502	12	29'-0	363	Str.

Mark	No.	Length	Weight
REPLACEMENT BARS			
RE 1101	1	7'-6	— Str.
RE 1001	1	7'-2	— Str.
RE 901	1	6'-10	— Str.
RE 801	1	6'-6	— Str.
RE 701	2	6'-2	— Str.
RE 601	3	5'-10	— Str.
RE 501	6	5'-7	— Str.
RE 401	1	5'-3	— Bt.

Mark	No.	Core Dia.	Length	No. Turns	Pitch	Weight
SPIRAL REINFORCING						
SP401	4	32"	14'-9	43	4½"	1.108
SP402	8	32"	16'-7	47	4½"	2.432

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

251

SUMMIT COUNTY
SUM - 8 - 1.89

□ Vary by 7/8
◊ Vary by 3/8
* Included with Railing for Payment

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ROCHESTER, PENNSYLVANIA

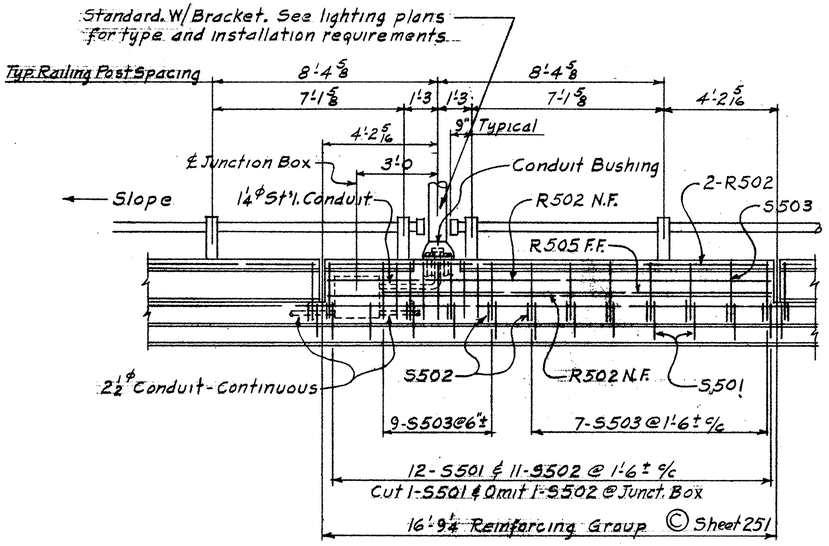
REINFORCING STEEL LIST
BRIDGE NO. SUM-8-0456L&R
OVER MASSILLON ROAD
Sta. 239+73.66 TO Sta. 242+06.08

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	TP		A.A	L.C.H. 10/26/61	3-14-62

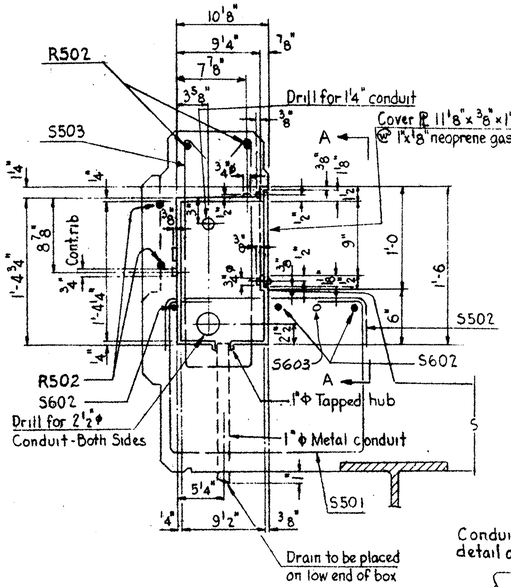
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

252

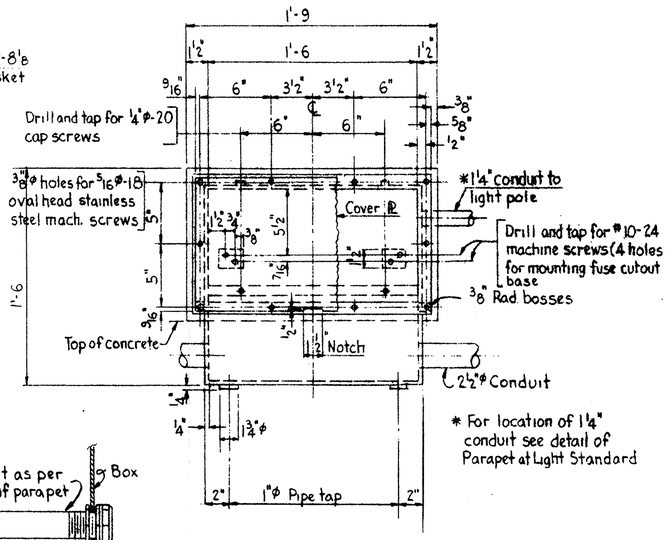
SUMMIT COUNTY
SUM - 8 -1.89



DETAIL OF PARAPET AT LIGHT STANDARD - RIGHT BRIDGE AS SHOWN
" " " " " " - LEFT BRIDGE OPP. HAND

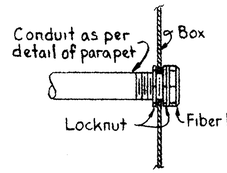


JUNCTION BOX DETAIL

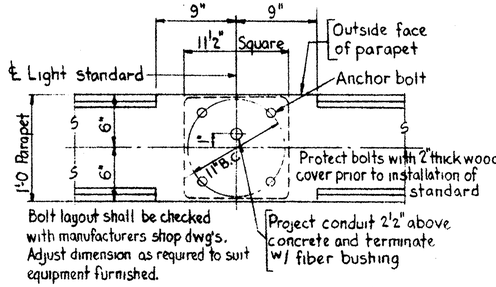


* For location of 1¼" conduit see detail of Parapet at Light Standard

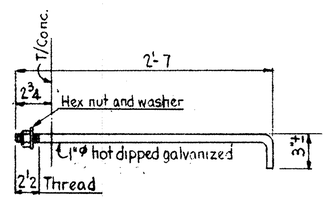
VIEW A-A



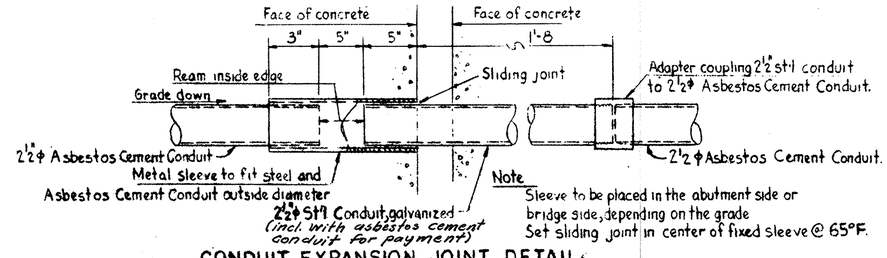
CONDUIT TERMINATION DETAIL
IN JUNCTION BOXES



ANCHOR BOLT LAYOUT



LIGHT STANDARD
ANCHOR BOLT
4 PER STANDARD



CONDUIT EXPANSION JOINT DETAIL

JUNCTION BOX

- Junction boxes shall be made of cast iron and covers shall be cast iron
- Boxes shall be hot dipped galvanized both inside and outside after fabrication. All exposed surfaces of boxes shall be painted aluminum See spec's S-8.04 and S-8.05.
- Tapped hole for drain, not used, shall be plugged
- Junction box shall be set parallel to grade of adjoining curb.
- Cement neoprene gasket to cover with Goodyear (or equal) cement. Gasket shall be continuous around entire face of cover with bolt holes.

ELECTRICAL NOTES

- *Electrical Grounds: A stranded No. 0 gage bare copper wire shall be embedded in the left outside column at pier No. 2L and in the right outside column at pier No. 2R. The lower end of the wire at pier No. 2L & 2R shall be brazed to the steel piles. The upper ends shall extend sufficiently above the top of the concrete to provide for a suitable splice and extension for connection to the superstructure. The connection to the superstructure shall be a No. 6 gage, bare, stranded, tinned copper wire brazed or bolted to the outside beam flange and to the No. 0 copper wire in the pier shaft. At the base of the lamp standards there shall be a tinned No. 6 gage copper wire brazed to one anchor bolt and the end brazed or bolted to the outside beam flange.*

ITEM S-25

- *Electrical Lighting System as per plan shall include the junction box, anchor bolts for the light standards, 14ϕ steel conduit, standard and brackets, electrical grounds, lamps, luminaries, wiring, ballast, painting of standard and bracket, and leaf covers for the standard anchor bolts.*
- *For material and painting specifications see General Notes — Lighting*

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

PARAPET AND ELECTRICAL DETAILS

BRIDGE NO. SUM-8-0456L&R
OVER MASSILLON ROAD
STA. 239+73.66 TO STA. 242+06.08

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
M.B.Jr	TP		A.A.	L.G.H. 10-26-61	

REAVIS VALLEY ENGINEERING SUPPLIES COMPANY

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM - 8 - 1.89

N

LEGEND
- Core Boring
- Auger Boring
- Drive Rod

PROFILE OF SR 8

N.B. 1131.08
S.B. 1136.55
N.B. 1131.92
S.B. 1137.63
N.B. 1132.94
S.B. 1138.86
N.B. 1134.12
S.B. 1140.24
N.B. 1135.47
S.B. 1141.73
N.B. 1136.98
S.B. 1143.23
N.B. 1138.64
S.B. 1144.73

294 +50 293 +50 292 +50 291

1180 1170 1160 1150 1140 1130

S.B. → N.B. ←

End approach slab
Sta. 8+01.83

14.00' Min. clear
14.15' Actual clear

Transition

Special berm & slope protection
See Sheet #189 (Roadway Item)

Begin approach slab
Sta. 11+98.17

Sta. 10+00 Turkey Foot Lake Road
Sta. 292+49.66 SR 8

℄ Turkey Foot Lake Road

A-1 · 4 & B-4 · 7 & A-3 · A-2 · B-10

Critical Clearance Point "B"
Critical Clearance Point "A"

44° 46' 05" Skew

Special berm and slope protection - See Sheet #189 (Roadway Item)

Pond

℄ Northbound Lanes
℄ Southbound Lanes
Survey ℄ SR 8

24' Roadway
15' 12' 12' 15'
8:1 24:1 4:1 Variable 3:1 3.45:1 3.4:1

Bridge Limits 396.34

Sta.	8+01.83						11+98.17
	1163.64	1163.28	1162.77	1162.10	1161.26	1160.26	1159.09	1157.75	1156.25

16.50' Actual Clear Point "B"
All piling 10 BP42 to rock
Design Clear Point "A"
16.50' Actual Clear
16.50'

Elev. 1149.70 — 2:1 Normal
Elev. 1131.08
Elev. 1134.10
Elev. 1131.20
3.4:1 Normal
Elev. 1142.88

Estimated Average Pay Length 55' — Esimated Average Pay Length 35' (All Piers) — Estimated Average Pay Length 35'

PROFILE OF TURKEY FOOT LAKE ROAD

-3.474% -0.593%
P.I. 293+25
Elev. 1130.83
V.C. = 440'
Northbound

-3.00% -0.603%
P.I. 294+35
Elev. 1134.68
V.C. = 400'
Southbound

-0.680% -4.000%
P.I. 10+75
Elev. 1161.77
V.C. 500'
Turkey Foot Lake Road

PROPOSED STRUCTURE
Type : Continuous welded plate girders reinforced concrete deck and substructure
Spans : 80'-115'-115'-80'
Roadway : 30'-0" f/f of 2'-3" safety curbs
Load Frequency : CF400 (57)
Skew : 44° 46' 05" Right forward
Wearing Surface : 1" Monolithic concrete
Approach Slabs : Special 25' long
Alignment : Tangent

S.F.N. 771131
1980 A.D.T. = 4000

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

SITE PLAN
BRIDGE NO SUM-8-0554
SR 8 UNDER
TURKEY FOOT LAKE ROAD
(STATE ROUTE 619) ~~651~~
Sta. 292 + 49.66

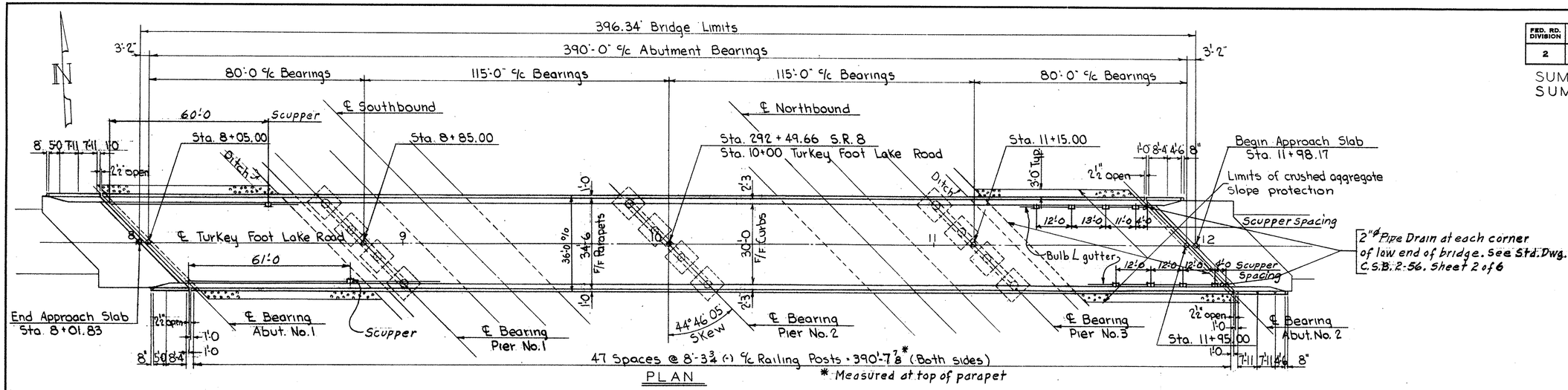
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
M.B.J.	R.L.M.	R.L.M.	R.L.M.	J.D.Y.	J.G.H. 10/26/61

BEAVER VALLEY ENGINEERING SUPPLIES CO.

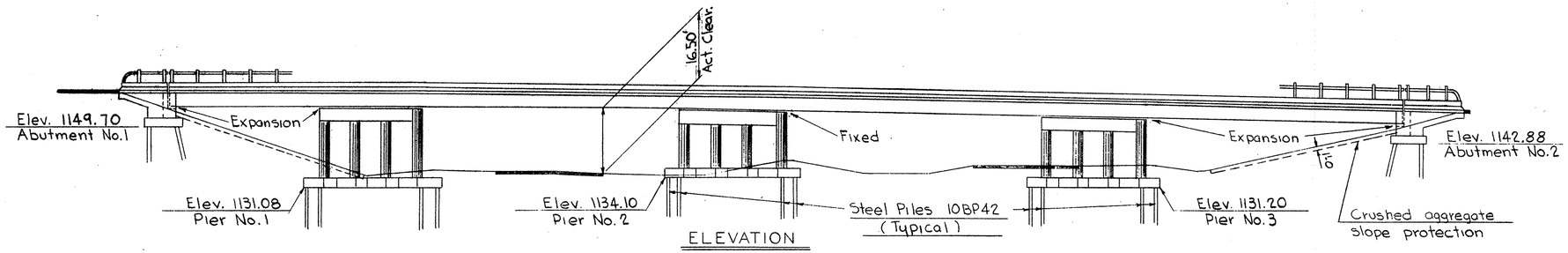
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

254

SUMMIT COUNTY
SUM - 8 - 1.89



PLAN



ELEVATION

ESTIMATED QUANTITIES									
Item	Total	Unit	Description	S'str.	Abuts.	Piers	Gen.		
E-2	600	cu. yd.	Unclassified excavation		310	290			
S-1	465	cu. yd.	Class "C" concrete, superstructure	465					
S-1	100	cu. yd.	Class "C" concrete, piers, caps, & cols.			100			
S-1	210	cu. yd.	Class "E" concrete, abutments		210				
S-1	99	cu. yd.	Class "E" concrete, pier footings			99			
S-4	163,171	lbs.	Reinforcing steel	118,241	16396	28534			
S-7	453,000	lbs.	Structural steel	453,000					
S-8	453,000	lbs.	Field Painting of structural steel	453,000					
S-14	859	lin. ft.	Railing (Aluminum rail and supports concrete parapet)	785	74				
S-16	Lump Sum	lump sum	First test pile				Lump Sum		
S-18	4,010	lin. ft.	Steel piles, 10BP42		1350	2660			
S-29	10	each	Scuppers	10					
S-29	47	cu. yd.	Pourous backfill		47				
I-10	600	sq. yd.	Crushed aggregate slope protection				600		
** Special	465	each	Water-reducing set-retarding admixture	465					

** See Proposal note

507705

General Notes:
Notes No. 1, 2, 3, 4, 5, 6, 7 and 8 on Sheet 229 apply to this structure.
Detail Notes A, B, C, E, F, G and H on Sheet 229 apply to this structure

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

GENERAL PLAN & ELEVATION
BRIDGE NO. SUM - 8 - 0554
SR 8 UNDER
TURKEY FOOT LAKE ROAD
Sta. 292+49.66

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	DG		A.A.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

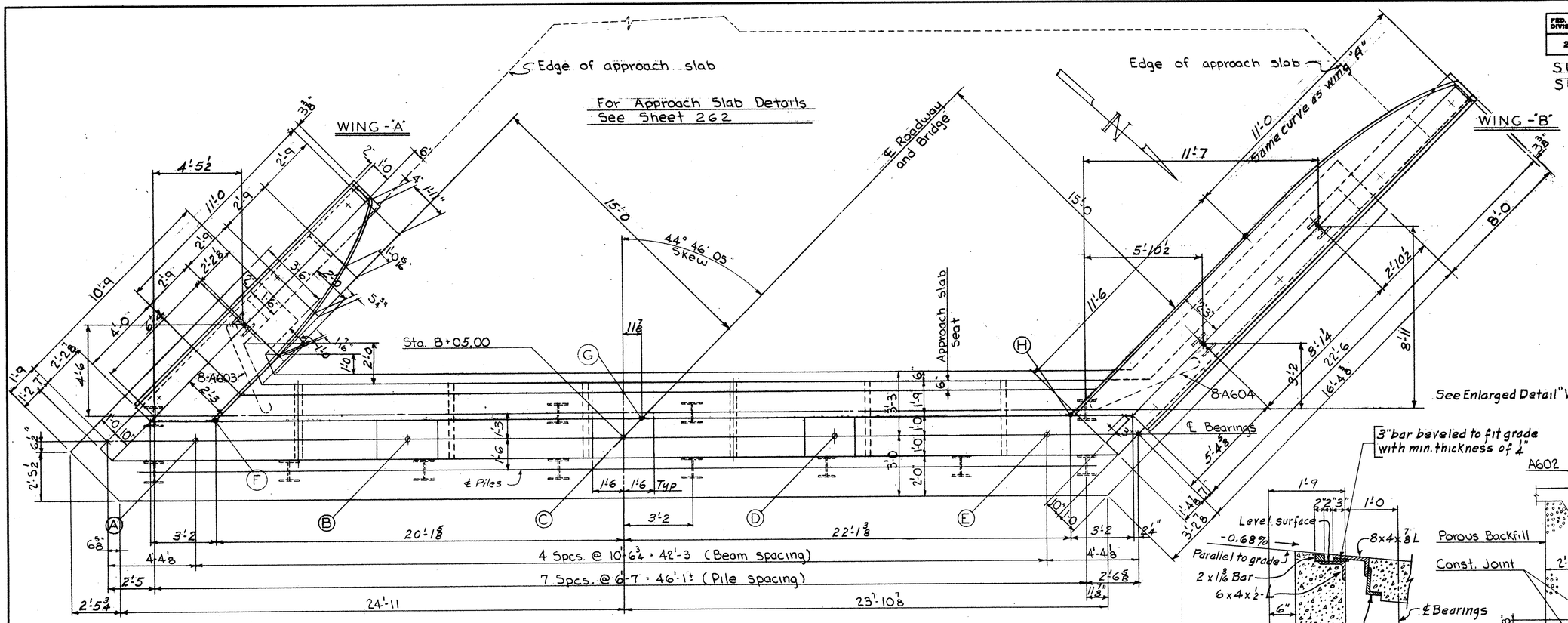
3/8 Scale

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

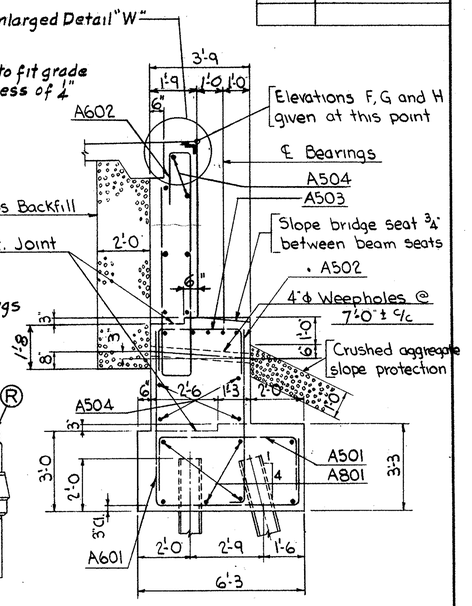
255

SUMMIT COUNTY
SUM-8-1.89

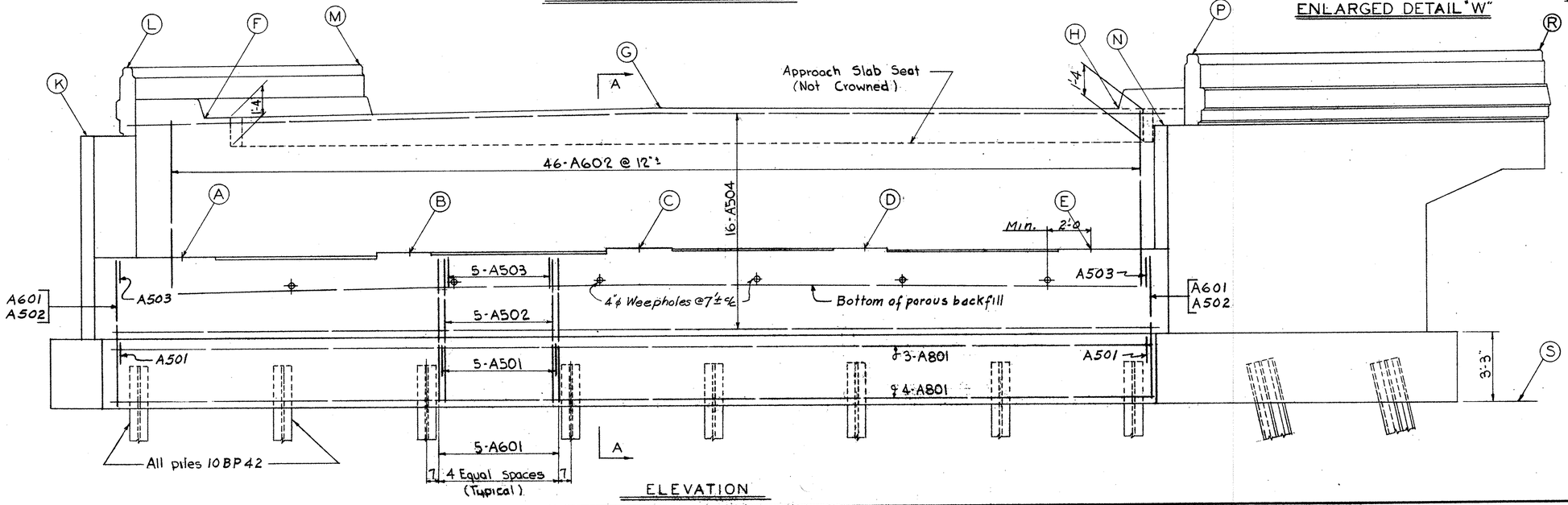
POINT	ELEVATIONS
A	1156.74
B	1156.91
C	1157.07
D	1157.01
E	1156.94
F	1163.28
G	1163.62
H	1163.48
K	1162.25
L	1165.62
M	1165.69
N	1162.47
P	1165.87
R	1165.99
S	1149.70



ENLARGED DETAIL "W"



SECTION "A-A"



ELEVATION

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENT NO. 1
BRIDGE NO. SUM-8-0554
SR 8 UNDER
TURKEY FOOT LAKE ROAD
Sta. 292+49.66

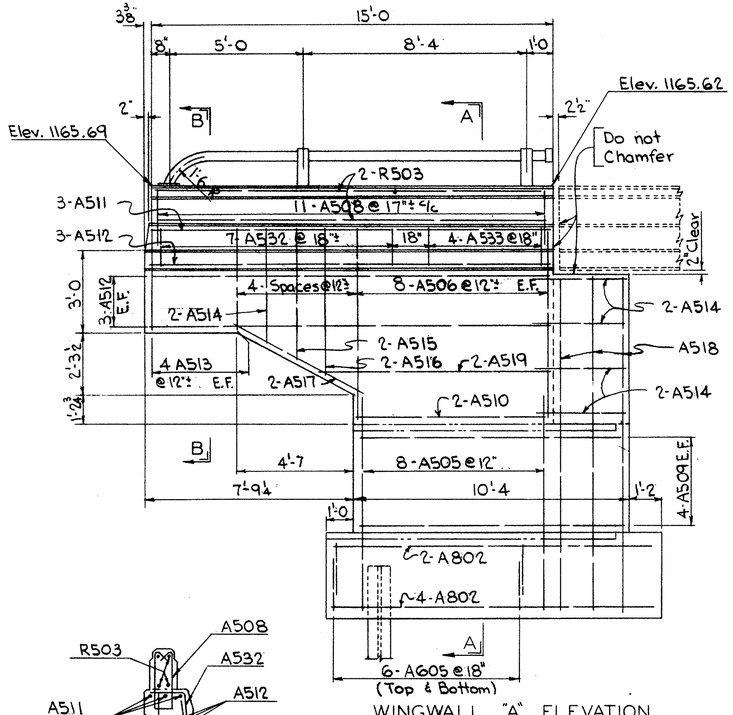
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
D.W.P.	DG		A.A.	10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

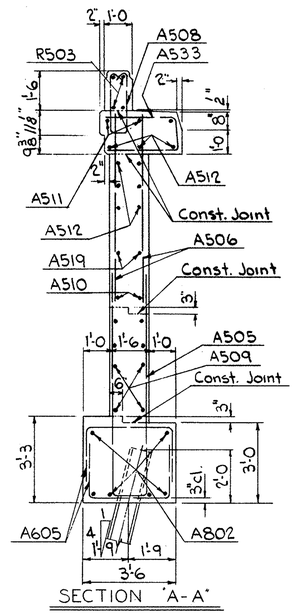
256

SUMMIT COUNTY
SUM-8-1.89

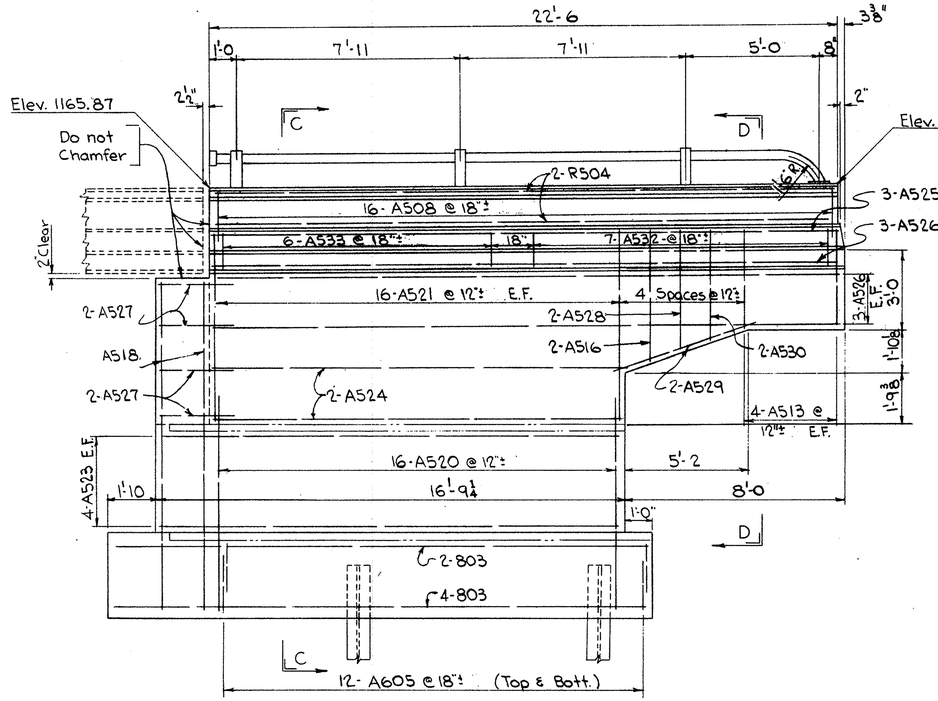


WINGWALL "A" ELEVATION

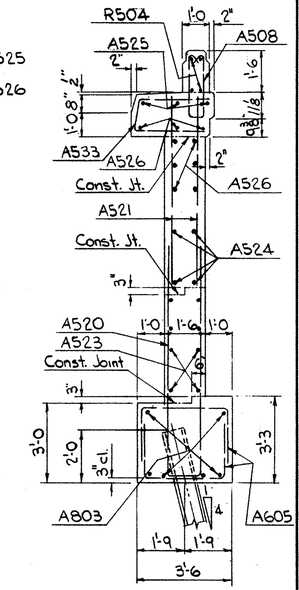
SECTION B-B



SECTION "A-A"

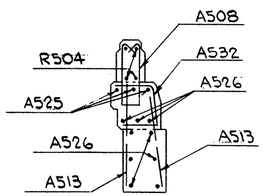


WINGWALL "B" ELEVATION



SECTION "C-C"

Note:
Place bars to miss piles



SECTION D-D

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENT #1 DETAILS
BRIDGE NO. SUM-8-0554
SR 8 UNDER
TURKEY FOOT LAKE ROAD
Sta. 292 + 49.66

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	AG		A.A.	L.G.H. 10/26/61	

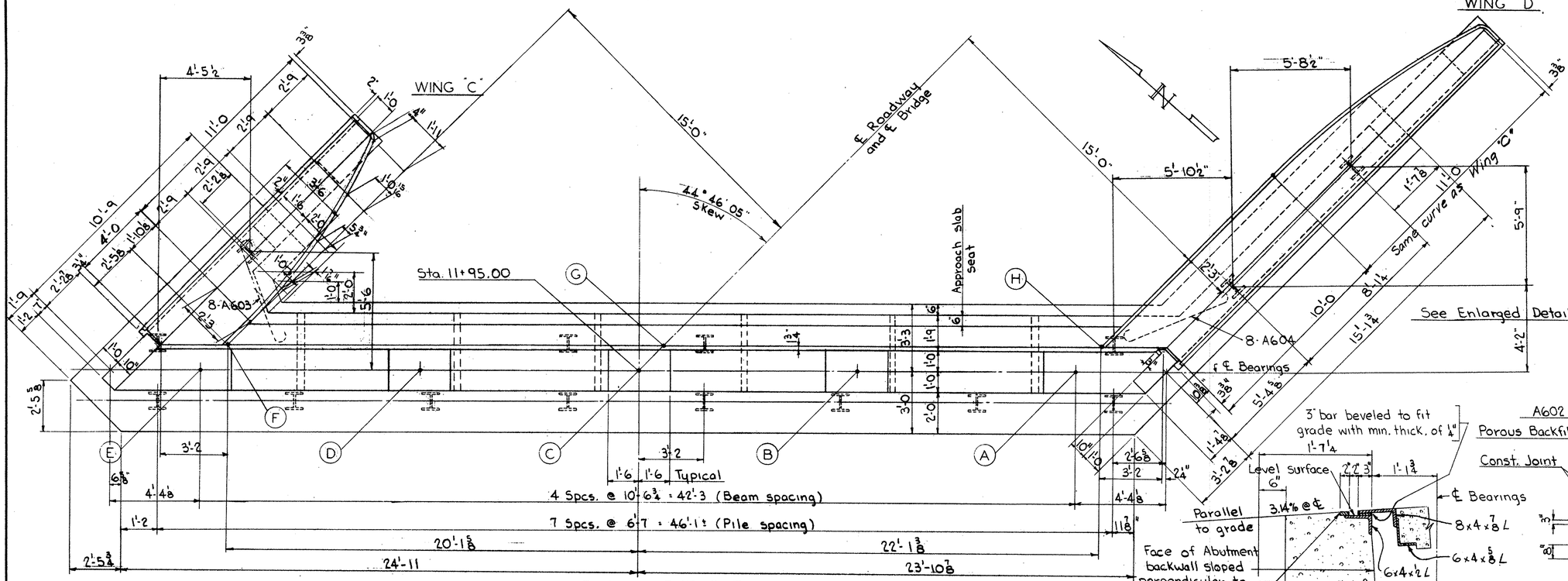
BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

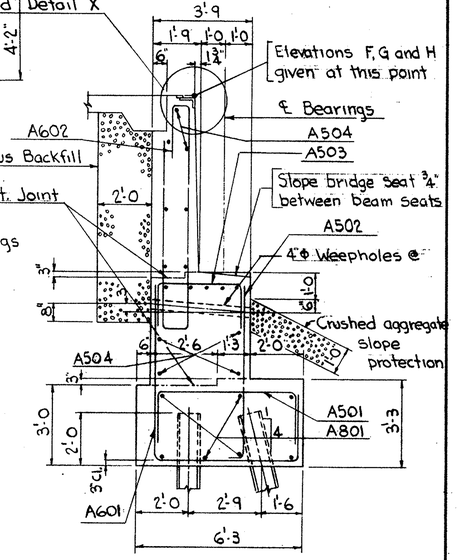
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

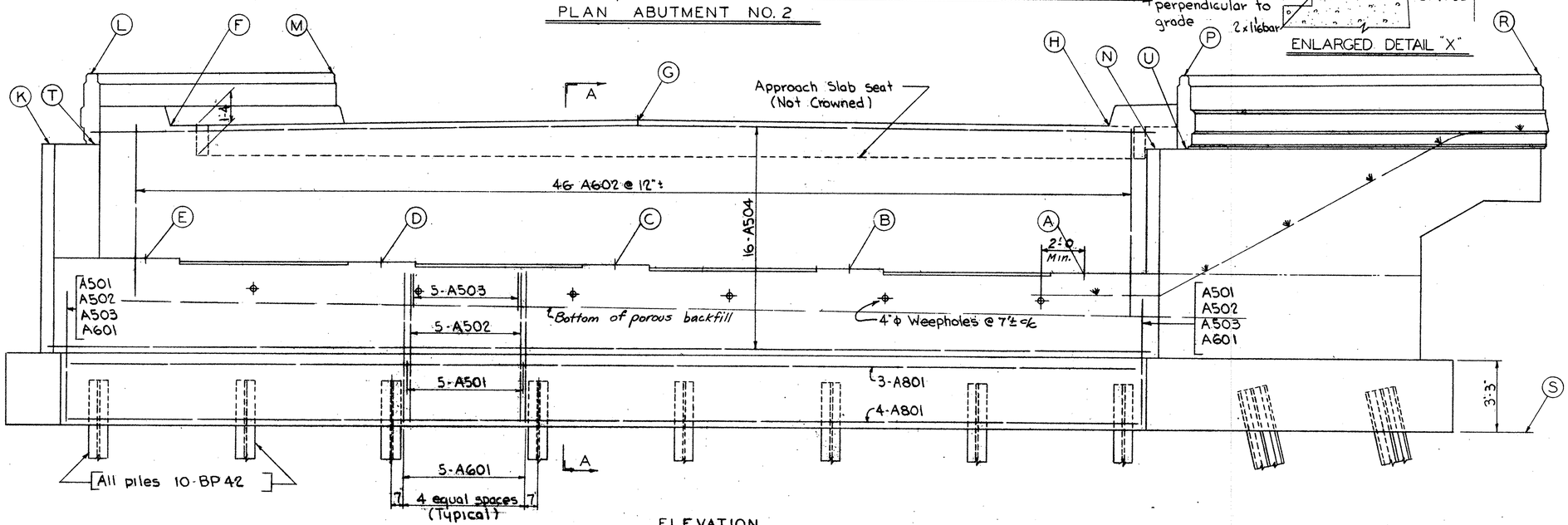
257

SUMMIT COUNTY
SUM - 8 - 1.89

ELEVATIONS	
A	1149.17
B	1149.53
C	1149.88
D	1149.99
E	1150.10
F	1156.58
G	1156.36
H	1155.65
K	1155.74
L	1159.01
M	1158.51
N	1154.64
P	1158.00
R	1157.20
S	1147.88
T	1155.66
U	1154.57







MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENT NO. 2
BRIDGE NO. SUM-8-0554
SR 8 UNDER
TURKEY FOOT LAKE ROAD
Sta. 292 + 49.66

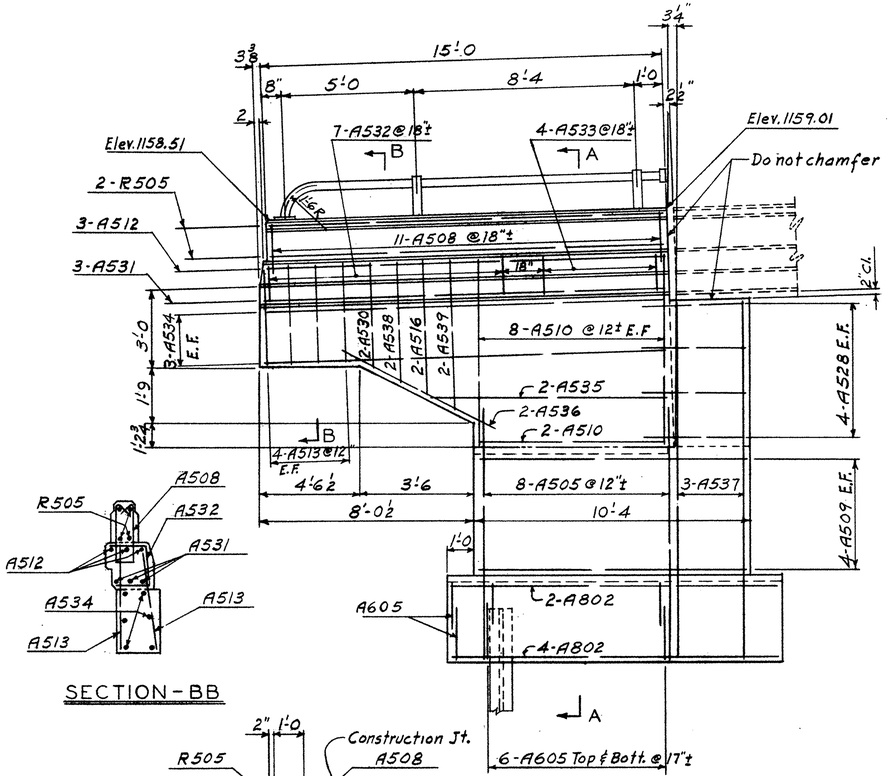
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
D.W.P.			A.A.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

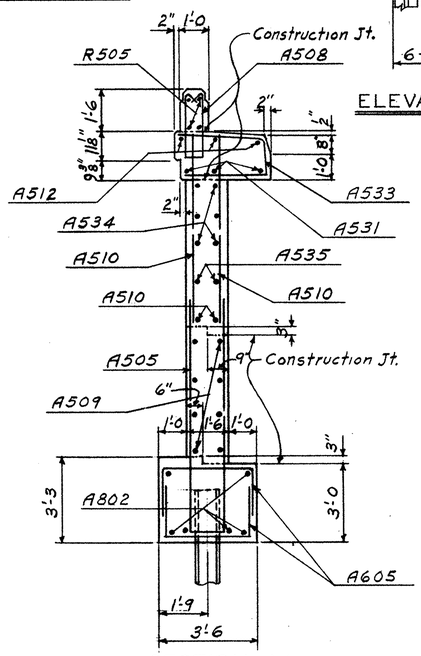
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

258

SUMMIT COUNTY
SUM-8-1.89

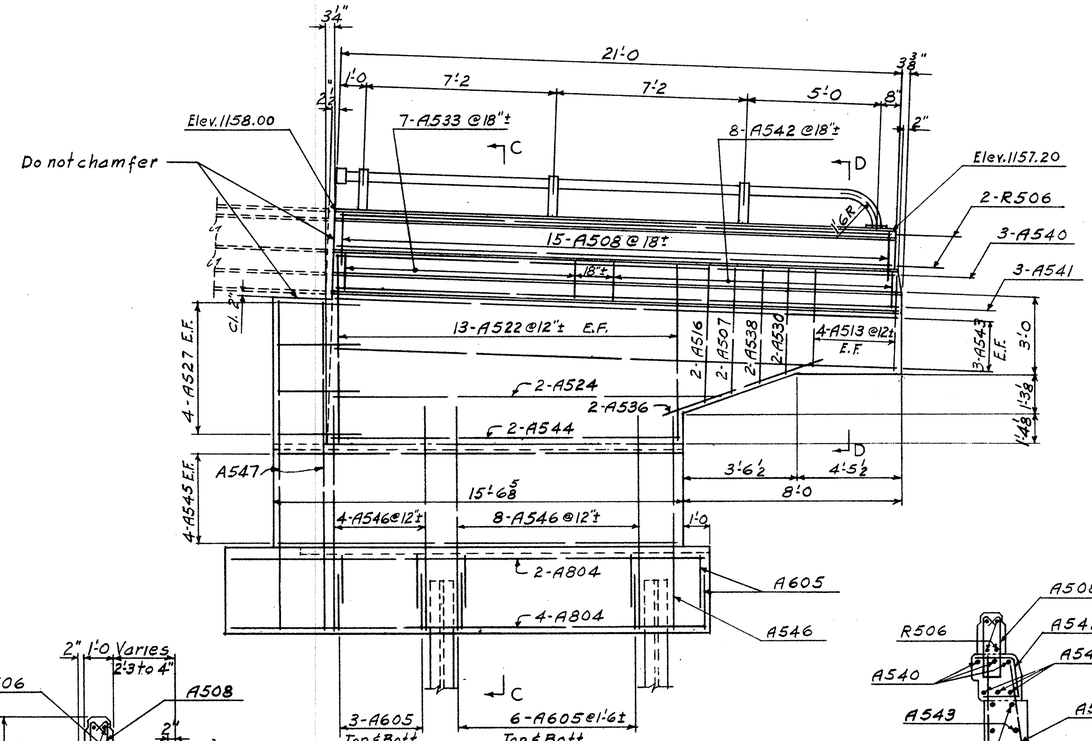


SECTION-BB

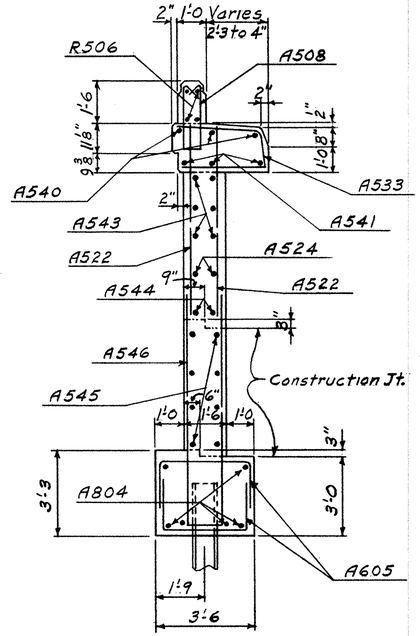


SECTION-AA

ELEVATION-WINGWALL "C"



ELEVATION-WINGWALL-D



SECTION-CC

SECTION-DD

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENT #2 DETAILS
BRIDGE NO. SUM-8-0554
SR8 UNDER
TURKEY FOOT LAKE ROAD
Sta. 292+49.66

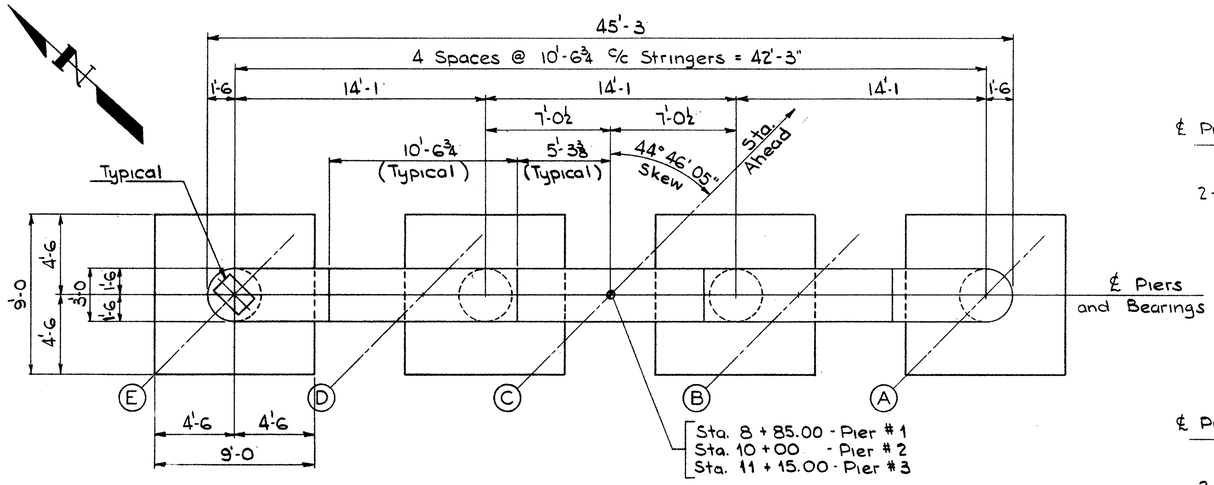
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DWP	TP		A.A.	LGH 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

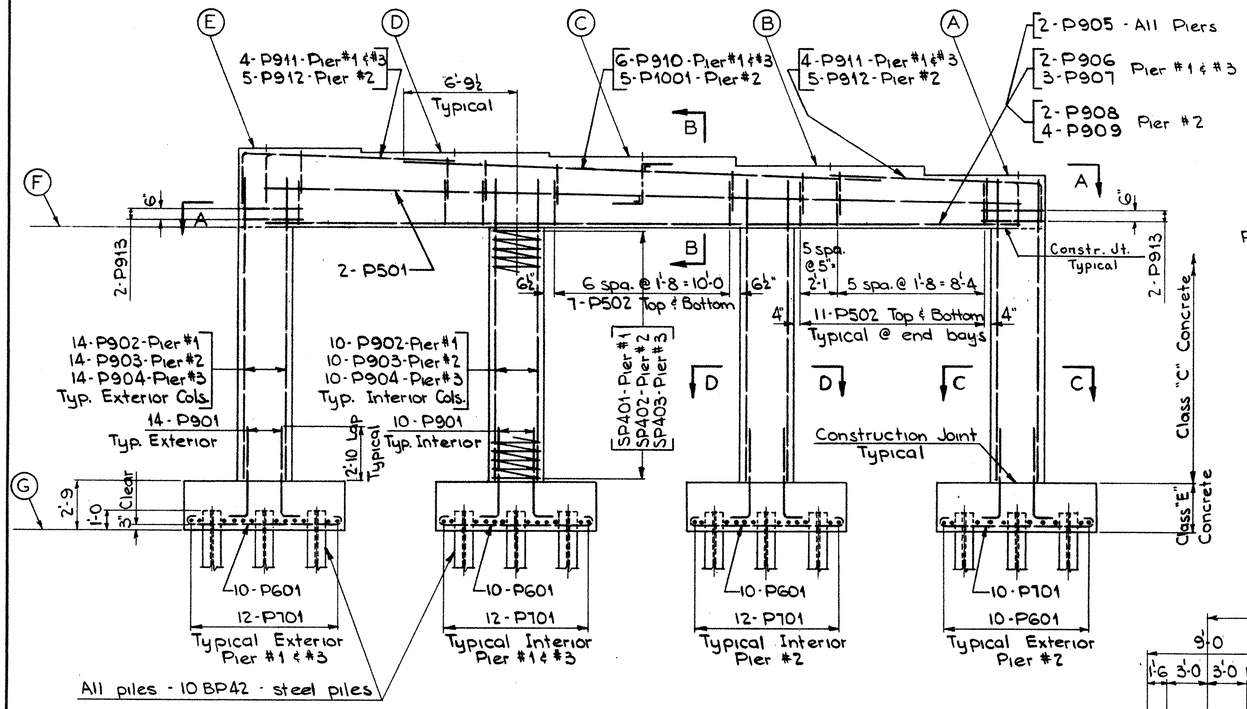
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

259

SUMMIT COUNTY
SUM-8-1.89

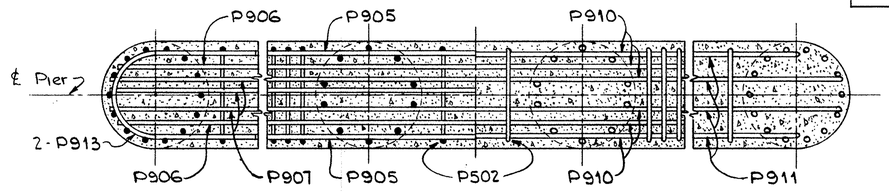


PLAN - PIER NO.1 - NO.2 - NO.3

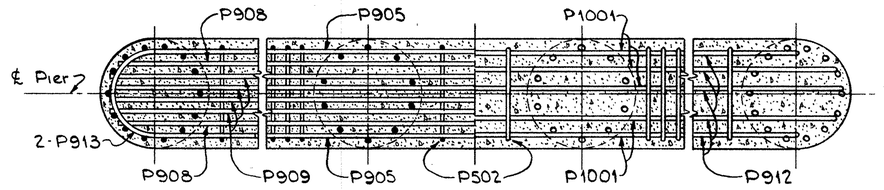


ELEVATION

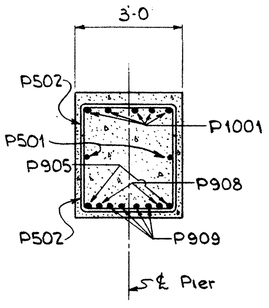
PIER ELEVATIONS							
PIER NO.	A	B	C	D	E	F	G
1	1155.43	1155.63	1155.83	1155.79	1155.75	1152.43	1131.08
2	1153.55	1153.81	1154.07	1154.09	1154.10	1150.55	1134.10
3	1150.96	1151.28	1151.59	1151.67	1151.74	1147.96	1131.20



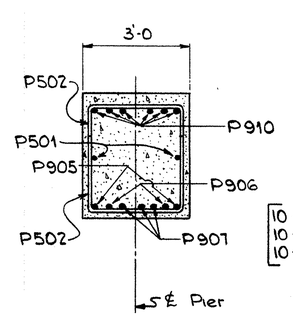
SECTION "A-A" PIER NO.1 & NO. 3



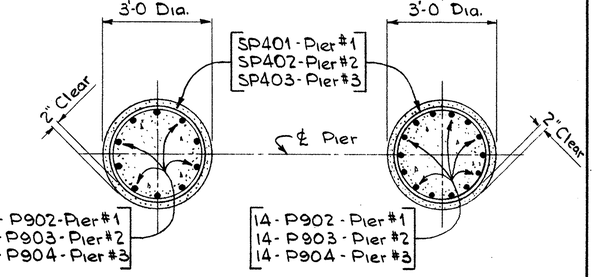
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SECTION "B-B" PIER NO. 2



SECTION "B-B" PIER NO.1 & NO. 3

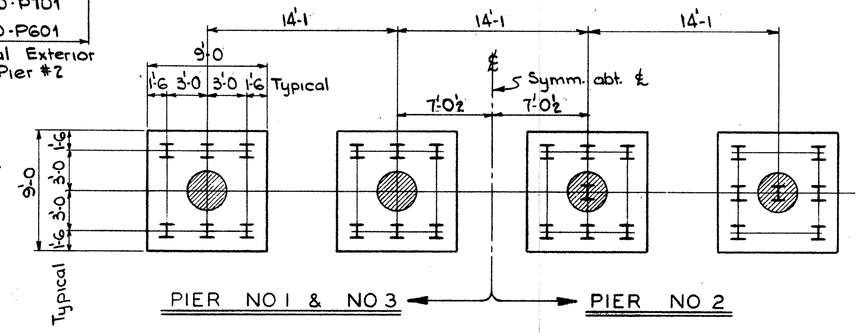


SECTION "D-D" INTERIOR COLUMNS

SECTION "C-C" EXTERIOR COLUMNS

NOTES:

Special care shall be taken in placing reinforcing steel in the pier cap No. 2 so that it will not interfere with the bolster anchor bolts.



PILE PLAN

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

PIER DETAILS
BRIDGE NO. SUM-8-0554
SR 8 UNDER
TURKEY FOOT LAKE ROAD
Sta. 292 + 49.66

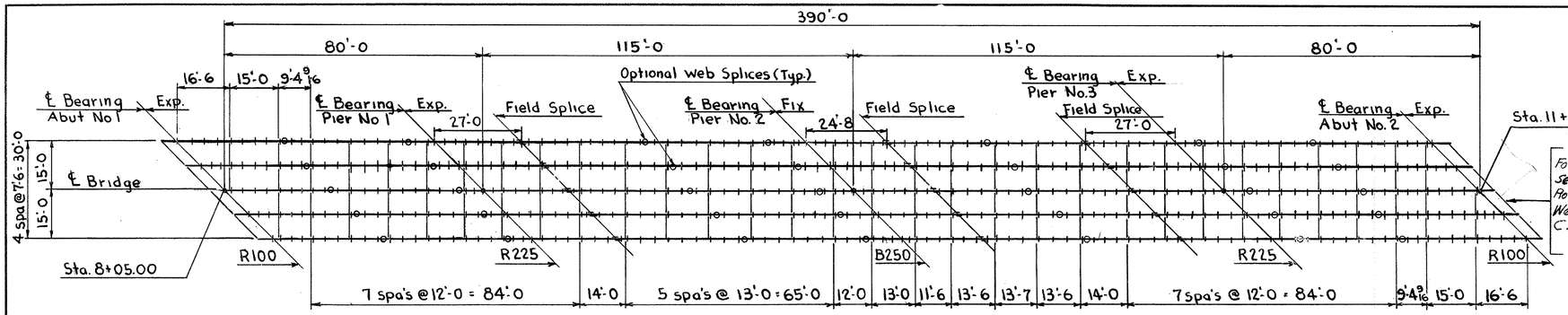
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
A.A.	FWM		D.W.P.	L.G.H. 10/26/01	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

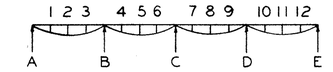
260

SUMMIT COUNTY
SUM – 8 – 1.89

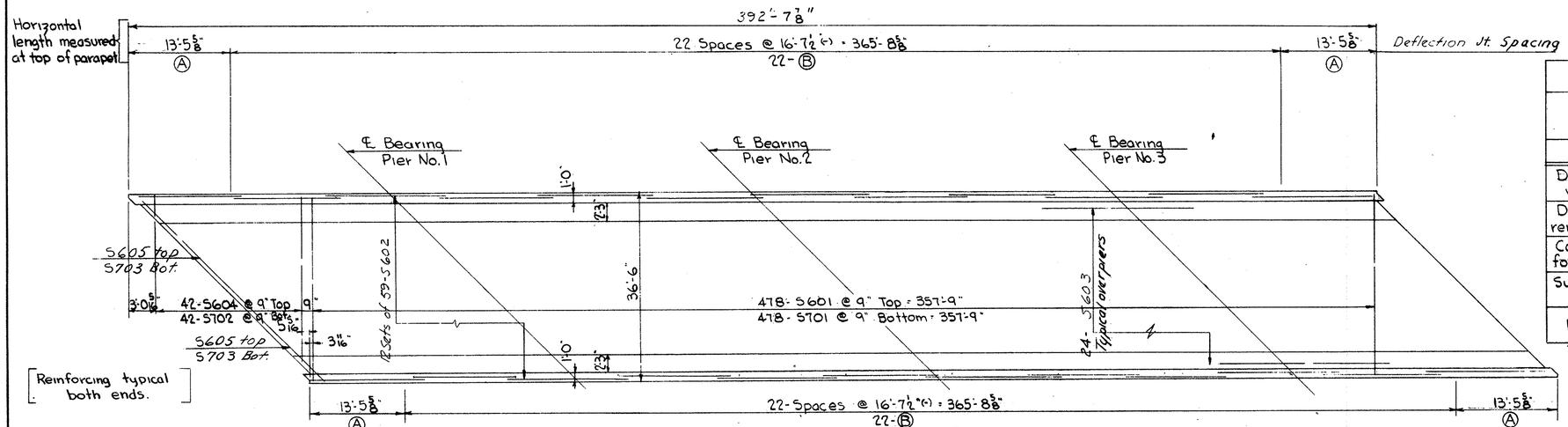


For details of end crossframes see Section B-8(8'-0" to 12'-0") and Roadway End Dam (Monolithic Wearing Surface) on Std Dwg. C.S.B-2-56 sheet 2 of 6

FRAMING PLAN

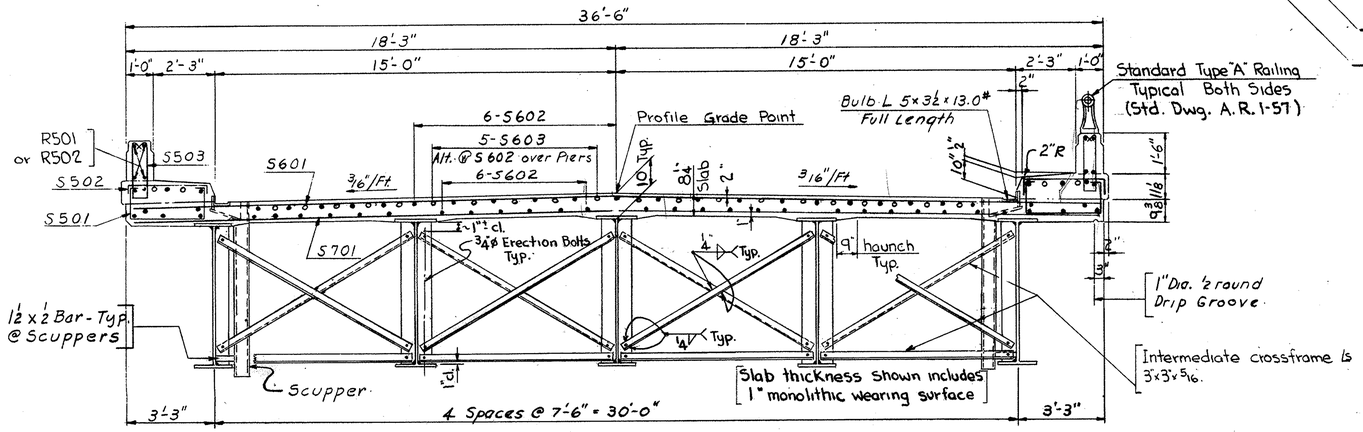


CAMBER DIAGRAM
ORDINATES AT QUARTER POINTS

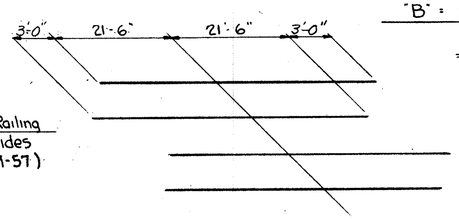


DECK REINFORCING PLAN

DEFLECTION AND CAMBER																							
LOCATION	INSIDE BEAMS SEE CAMBER DIAGRAM												OUTSIDE BEAMS SEE CAMBER DIAGRAM										
POSITION	1	2	3	4 & 9	5 & 8	6 & 7	10	11	12				1	2	3	4 & 9	5 & 8	6 & 7	10	11	12		
Deflection due to weight of steel	1/16"	1/16"	1/16"	1/8"	1/4"	1/8"	1/16"	1/16"	1/16"				1/16"	1/16"	1/16"	1/8"	1/4"	1/8"	1/16"	1/16"	1/16"		
Deflection due to remaining dead load	1/4"	5/16"	1/8"	1/2"	13/16"	7/16"	1/8"	5/16"	1/4"				5/16"	3/8"	1/8"	11/16"	1"	9/16"	1/8"	3/8"	5/16"		
Convexity required for vertical curve	7/16"	9/16"	7/16"	1"	1 5/16"	15/16"	1/2"	5/8"	1/2"				7/16"	9/16"	7/16"	1"	1 5/16"	1"	1/2"	11/16"	1/2"		
Sum of Deflection and Convexity	3/4"	15/16"	5/8"	1 5/8"	2 3/8"	1 1/2"	11/16"	1"	13/16"				13/16"	1"	5/8"	1 13/16"	2 9/16"	1 11/16"	11/16"	1 1/8"	7/8"		
Required Camber	1"	1"	0"	1 3/8"	2 3/8"	1 1/2"	0"	1"	1"				1"	1"	0"	1 3/4"	2 5/8"	1 3/4"	0"	1 1/8"	1"		



TYPICAL CROSS SECTION



STAGGER OF S 603 BARS

"A" = 10-S501 & 10-S502 & 10-S503 and 4-R501
"B" = 12-S501 & 12-S502 & 12-S503 and 4-R502

CURB REINFORCING GROUPS

Note:

- Refer to Std. Dwg. CSB-2-56, sheet 3 of 6 for details of scuppers, bulb angle gutter supports, and curb plates.
- Refer to Std. Dwg. RB-1-55 for bearing details.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

SUPERSTRUCTURE
BRIDGE NO. SUM-8-0554
SR 8 UNDER
TURKEY FOOT LAKE ROAD
Sta. 292 + 49.66

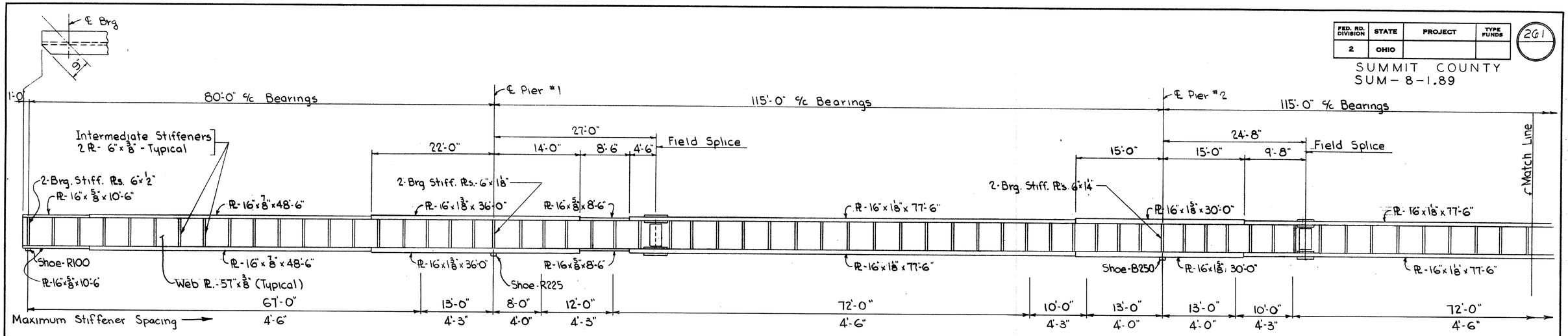
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	S.J.F. & S.G.		A.A.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY REORDER A-39931-2

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

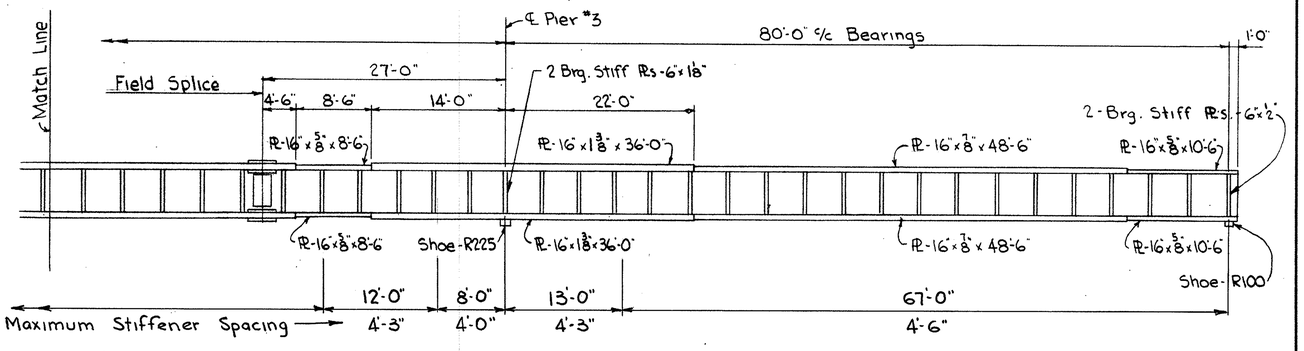
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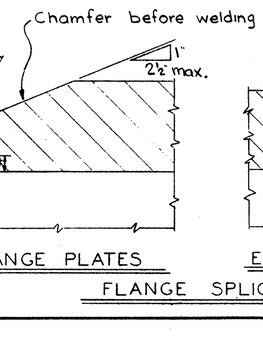


TYPICAL GIRDER ELEVATION

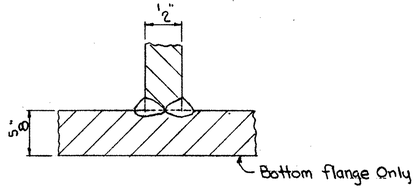
See Sheet 260 for location of optional web splices.



TYPICAL FIELD SPLICE

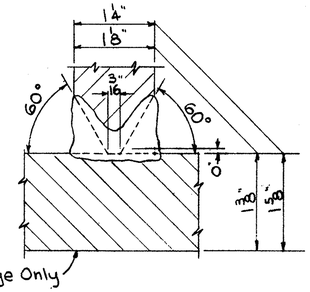


TYPICAL CROSS SECTION



BEARING STIFFENER BUTT WELD

* = Weld after placing at least one pass on other side



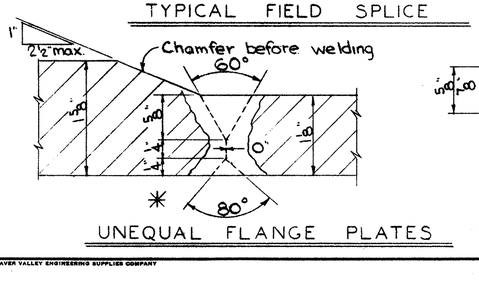
BEARING STIFFENER BUTT WELD

MARK	PL. THICKNESS	LEG SIZE OF FILLET WELD
A	5/8"	1/4"
	7/8" or 1/8"	5/16"
	1 3/8" or 1 5/8"	3/8"

TABLE OF WELD SIZES

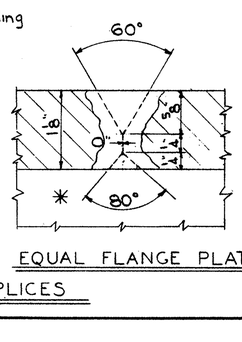
Notes:

- Welded Plate Girders: If additional shop splices are necessary, their locations and detail shall be submitted to the Director for approval.



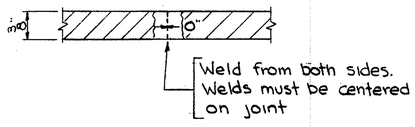
UNEQUAL FLANGE PLATES

UNEQUAL FLANGE PLATES



EQUAL FLANGE PLATES

FLANGE SPLICES



WEB SPLICE

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

GIRDER DETAILS
BRIDGE NO SUM-8-0554
SR 8 UNDER
TURKEY FOOT LAKE ROAD
Sta. 292+49.66

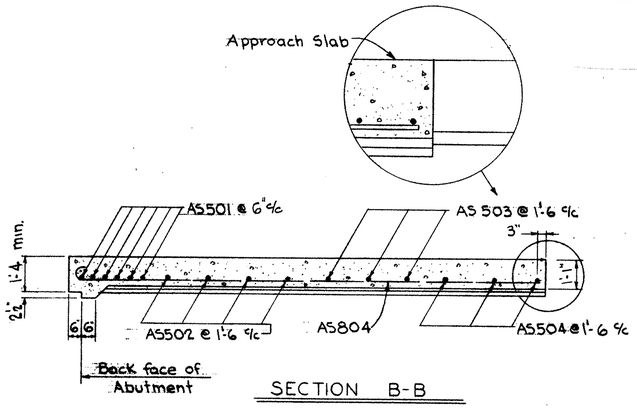
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	DG		A.A.	L.G.H. 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

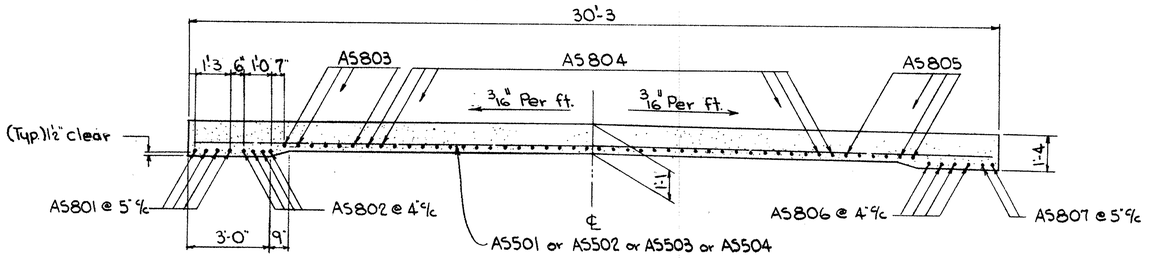
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

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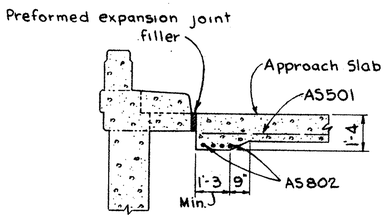
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SECTION B-B



SECTION A-A



SECTION C-C

PLAN APPROACH SLAB
TYPICAL

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

APPROACH SLABS
BRIDGE NO. SUM 8-0554
SR 8 UNDER
TURKEY FOOT LAKE ROAD
Sta. 292 + 49.66

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	[illegible]		A.A.	L.G.H. 10/26/61	

REINFORCING STEEL LIST

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

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SUPERSTRUCTURE

Mark	No.	Length	Weight	Sh'p.	
S701	478	36'-2"	35336	S	
S702	25 & 42	3'-4" & 34'-4"	3234	S	Vary by 9 1/16" →
S703	4	26'-6"	217	S	
S601	478	36'-2"	25966	S	
S602	708	34'-5"	36599	S	
S603	72	46'-0"	4975	S	
S604	25 & 42	3'-4" & 34'-4"	2376	S	Vary by 9 1/16" →
S605	4	26'-4"	158	S	
S501	568	6'-1"	3604	B	
S502	568	3'-11"	2320	B	
S503	568	5'-10"	3456	B	
R501	16	13'-1"	*	S	
R502	176	16'-3"	*	S	
R503	4	14'-5"	*	S	For Abutments →
R504	4	22'-2"	*	S	
R505	4	14'-8"	*	S	
R506	4	20'-8"	*	S	

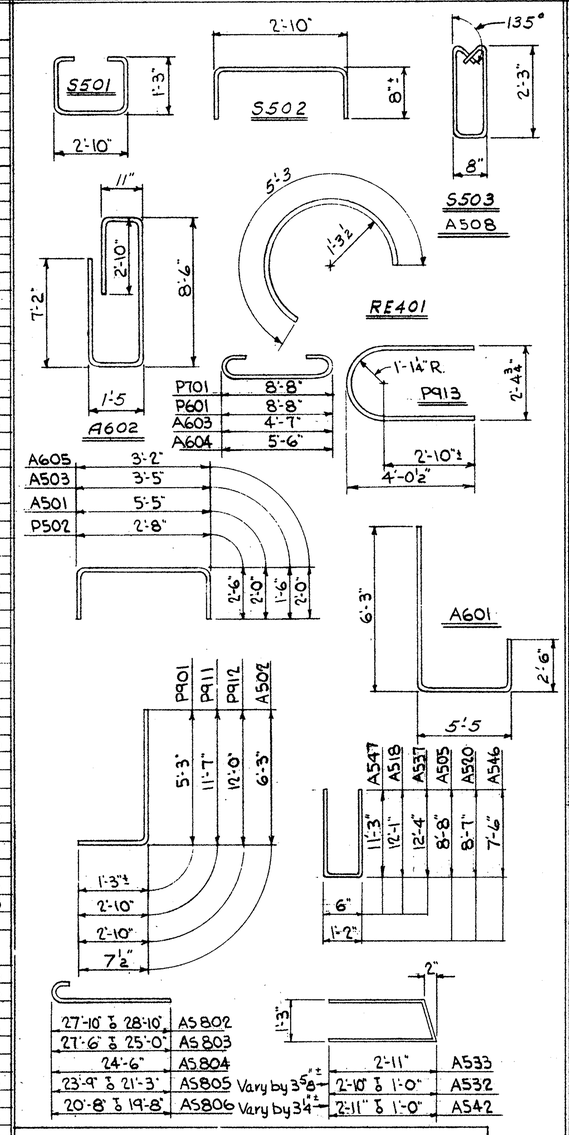
PIERS

P1001	5	27'-8"	595	S
P901	144	6'-3"	3060	B
P902	48	21'-6"	3509	S
P903	48	16'-7"	2706	S
P904	48	16'-11"	2761	S
P905	6	42'-3"	862	S
P906	4	44'-3"	602	S
P907	6	44'-9"	913	S
P908	2	44'-0"	299	S
P909	4	44'-7"	606	S
P910	12	27'-8"	1129	S
P911	16	14'-5"	784	B
P912	10	14'-10"	504	B
P913	12	9'-2"	374	B
P701	140	10'-4"	2957	B
P601	120	10'-0"	1802	B
P501	6	42'-3"	264	S
P502	174	7'-5"	1346	B

ABUTMENTS

A801	14	48'-6"	2309	S
A802	12	12'-0"	490	S
A803	6	19'-0"	388	S
A804	6	18'-0	367	S
A601	74	13'-10"	1538	B
A602	92	19'-6"	2695	B
A603	16	5'-11"	142	B
A604	16	6'-10"	164	B
A605	70	6'-10"	718	B
A501	74	9'-2"	707	B
A502	74	6'-9"	521	B
A503	74	6'-2"	476	B
A504	32	48'-0"	1602	S

BENDING DIAGRAMS



SPIRAL REINFORCING LIST

Mark	No.	Core Dia.	Length	No. Turns	Pitch	Weight
SP401	4	32	18'-8"	53	4½	1372
SP402	4	32	13'-9"	40	4½	1032
SP403	4	32	14'-1"	41	4½	1057

ABUTMENTS

A505	16	18'-3"	305	B	
A506	16	7'-0"	117	S	
A507	2	4'-5"	9	S	
A508	53	5'-9"	318	B	
A509	16	10'-0"	167	S	
A510	20	7'-1"	148	S	
A511	3	14'-6"	45	S	
A512	12	14'-9"	185	S	
A513	28	3'-7"	105	S	
A514	9	4'-1"	38	S	
A515	2	4'-7"	10	S	
A516	6	5'-0"	31	S	
A517	2	6'-0"	13	S	
A518	5	24'-5"	127	B	
A519	2	8'-0"	17	S	
A520	16	18'-2"	303	B	
A521	32	7'-3"	242	S	
A522	25 & 13	6'-6" & 7'-0"	183	S	Vary by ½"±
A523	8	16'-5"	137	S	
A524	6	14'-3"	89	S	
A525	3	22'-2"	69	S	
A526	9	22'-5"	210	S	
A527	16	3'-4"	54	S	
A528	10	4'-3"	44	S	
A529	2	5'-9"	12	S	
A530	6	3'-10"	24	S	
A531	3	14'-10	46	S	
A532	35 & 7	6'-6" & 2'-10"	102	B	Vary by 7 3/8"±
A533	21	6'-8"	146	B	
A534	6	14'-11"	93	S	
A535	2	8'-10"	18	S	
A536	4	6'-6"	27	S	
A537	3	24'-11"	78	B	
A538	4	4'-2"	17	S	
A539	2	5'-7"	12	S	
A540	3	20'-9"	65	S	
A541	3	20'-11"	65	S	
A542	15 & 8	6'-8" & 2'-10"	40	B	Vary by 6 1/4"±
A543	6	21'-0"	131	S	
A544	2	13'-0"	27	S	
A545	8	15'-0"	125	S	
A546	13	17'-7"	238	B	
A547	2	22'-9"	47	B	

APPROACH SLAB

AS801	2Sof4	18'-6" & 23'-6"	——	S	Vary by 1'-8"
AS802	2Sof4	28'-11" & 29'-11"	——	B	Vary by 4"
AS803	2Sof6	28'-7 & 26'-1"	——	B	Vary by 6"
AS804	84	25'-7"	——	B	
AS805	2Sof6	24'-10" & 22'-4"	——	B	Vary by 6"
AS806	2Sof4	21'-9" & 20'-9"	——	B	Vary by 4"
AS807	4	4'-0"	——	S	
AS501	12	41'-4"	——	S	
AS502	2Sof4	41'-9" & 43'-6"	——	S	Vary by 7"
AS503	2Sof3	44'-4" & 45'-3"	——	S	Vary by 5½"
AS504	2Sof3	43'-0" & 37'-0"	——	S	Vary by 3'-0"
AS505	6	9'-0"	——	S	

REPLACEMENT BARS

RE1001	1	7'-2"	——	S
RE901	1	6'-10"	——	S
RE701	3	6'-2"	——	S
RE601	4	5'-10"	——	S
RE501	1	5'-7"	——	S
RE401	1	5'-3"	——	B

25 of 42 means 2 series of 42 bars each

* Included with Item 5-14 for payment

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

REINFORCING STEEL LIST
BRIDGE NO SUM-8-0554
SR 8 UNDER
TURKEY FOOT LAKE ROAD
Sta. 292 + 49.66

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DWP	DG		A.A.	LGA 10/26/61	

BEAVER VALLEY ENGINEERING SUPPLIES COMPANY

TYPICAL SECTIONS

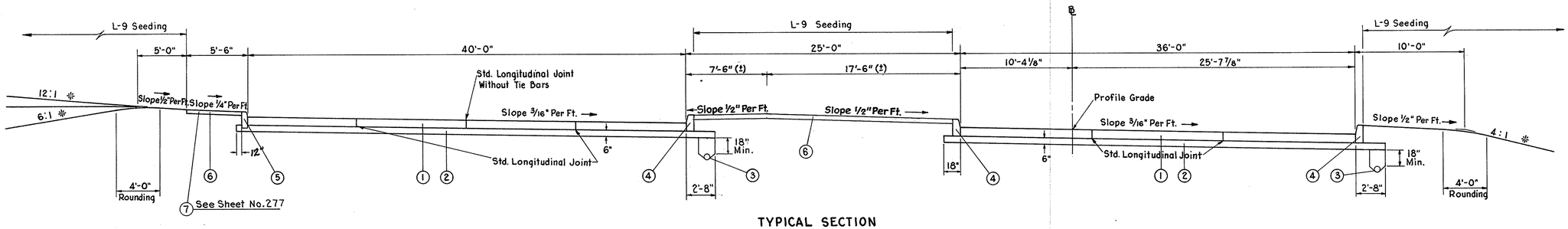
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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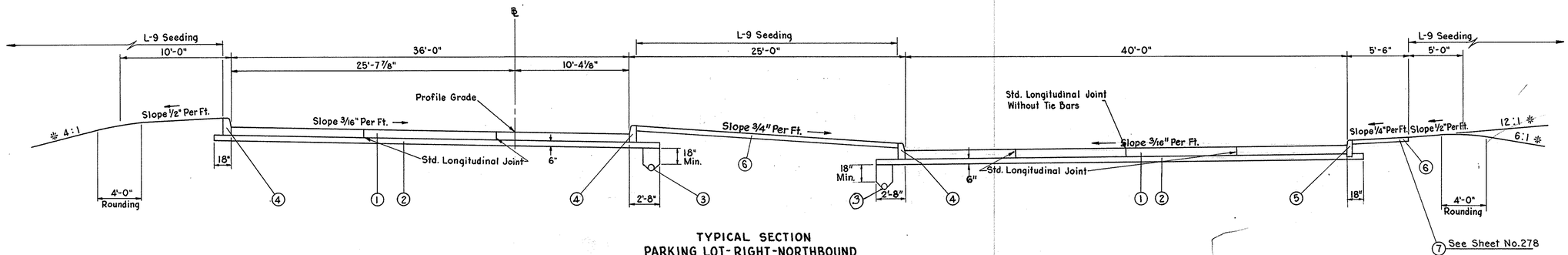
SUMMIT COUNTY
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LEGEND

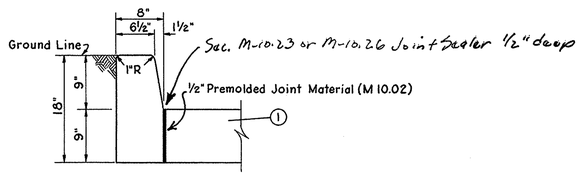
① T-71 9" Reinforced Portland Cement Concrete Pav't.
② I-22 Subbase, A or B Grading, As Per Plan
③ I-1 6" Pipe Underdrains, Class I-3
④ I-12 Special Portland Cement Concrete Curb, Modified, As Per Plan
⑤ I-12 Portland Cement Concrete Curb, Type 6 (See note below)
⑥ I-13 4" Portland Cement Concrete Sidewalk
⑦ I-13 7" Portland Cement Concrete Sidewalk



TYPICAL SECTION
PARKING LOT-LEFT-SOUTHBOUND
Scale: 1"=5'-0"



TYPICAL SECTION
PARKING LOT-RIGHT-NORTHBOUND
Scale: 1"=5'-0"



SPECIAL PORTLAND CEMENT CONCRETE CURB DETAIL (MODIFIED)
Scale: 1"=1'-0"

STD. TYPE 6 CONCRETE CURB, AS PER PLAN
Where Type 6 curb is placed adjacent to Type T-70 or T-71 pavement, premolded joint material and joint sealer, as shown at the left for the special concrete curb, shall be placed in the joint between the curb and pavement.

NOTE: For Typical Sections of Ramps R, S, T & U
See Sheet No. 5

* All Typicals or Otherwise As Shown On Cross Sections

ROADSIDE REST - TYPICAL SECTIONS

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2	OHIO		

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REST AREAS - GENERAL NOTES

REST AREA FENCE, AS PER PLAN
For details, see Std. Construction Drawing R.R.A. No.1

REST AREA TREE PROTECTION

Areas other than the parking lots, shall not be used for storage of materials, parking of equipment, or vehicles or for the location of construction buildings of any kind during construction. Equipment shall not be operated over tree root areas when the ground is soft thereby avoiding deep rutting, soil compaction and destruction of root systems. Trees that are to be saved will be marked. All others shall be removed. Trees marked to be saved that are damaged beyond repair by destruction of more than 50% of root areas or 30% of the circumference of of bark areas on individual trees shall be removed and replaced at the Contractor's expense. Replacements shall be in quantity sufficient to compensate for shaded areas lost and shall be completed as per L-16 with the Contractor furnishing and planting trees of the size and variety directed by the Engineer.

In lieu of "boxing" for tree protection as required by G-7, E-1 and Standard Drawing L-1, snow fence may be used to prohibit access to tree root areas of individual trees and tree groups. The root areas are equal in size to the spread of the tree branches.

ITEM SPECIAL

Picnic tables with concrete slab, and charcoal grill and serving table shall include all excavation and backfill, furnishing, hauling, and placing all materials and all labor, equipment, tools and incidentals necessary to complete the items as detailed on the plan or as shown on the pertinent Standard Construction Drawings and General Notes.

They shall be placed at locations shown on the plans or as directed by the Engineer.

WELLS
Wells have been drilled by others and casing is in place and capped.

TOPSOIL FOR "L" ITEMS

This shall be obtained from stockpiles provided by L-1, L-12 and Items L-13: - Areas indicated on the plans for these items shall be prepared as planting beds, excavated to a depth of 12 inches and backfilled with a mixture of 1/3 topsoil, 1/3 sand and 1/3 peat moss. This mixture shall be used for L-14 and L-16 Items also.

ITEM E-9 REMOVAL OF TREES AND STUMPS IN REST AREAS

Trees, stumps and clumps of brush that are not marked to be saved are to be removed. Approximately 50% of the trees existing in the area as shown on the plans will be removed.

The State will not be responsible for any variation found during construction. Within the rest areas only those trees indicated by the Engineer shall be removed. Care shall be exercised by the Contractor in performance of this work so that no damage is done to trees indicated by Engineer to be saved.

Clearing and grubbing shall be done in accordance with Section E-1.03 except in areas where trees or stumps are to be removed within the tree root areas of trees that are to remain. In such areas removal shall be by cutting to a minimum depth of 8 inches below finish grade with a stump chipper or similar equipment.

The lump sum bid for Item E-9, Removal of Trees and Stumps in Rest Areas, shall constitute full payment for this item.

(Trees and stumps included in main line quantities)

ITEM L-17 PRUNING EXISTING TREES

All trees within the Rest Areas that are indicated to be saved by the Engineer shall be pruned in accordance with Item L-17 and in addition to L-17 requirements, low limbs shall be removed to obtain seven (7) foot clearance above the ground as directed. The number

ITEM L-17 PRUNING EXISTING TREES - *Continued*

and size of trees to be pruned may be estimated from information shown relative to existing trees and the percentage to be removed.

The State will not be responsible for any variation found during construction.

The lump sum bid for Item L-17, Pruning Existing Trees shall constitute full payment for this item and no additional compensation will be allowed.

ITEM L-9 SEEDING AND PROTECTING REST AREAS

The seed bed shall be prepared to provide a smooth surface for a good lawn. Fine grading is to eliminate humps or depressions that would interfere with mowing with a 24 inch mower. All stone and debris larger than 1 inch in diameter shall be removed from the surface and the areas shall be loosened to a depth of 2 inches before seeding.

Top soil salvaged as per L-1 shall be used in finish grading over tree root areas to avoid damage by grading or tillage equipment. It shall be used as directed to fill depressions to obtain extra smooth fine grading and to provide a minimum depth of 3 inches of topsoil for the Rest Area lawns. Where it is not necessary to change grades, topsoil placement will not be required. Placing topsoil will be paid for under Item L-3.

The seed mixture shall be as follows:

35%	Illahee Fescue
45%	Kentucky Bluegrass
20%	Red Top

ITEM L-6 ROADSIDE CLEANUP - MODIFIED

This Item is estimated for performance on all earth areas outside the excavated or filled areas within the Rest Areas as directed. Tree pruning and removal of trees and stumps will be done under other items. In addition to the specified requirements of L-6 the following work shall be performed.

Areas outside the tree root areas shall be plowed, filled and graded to obtain drainage away from all structures and to prevent ponding at any point. All rough uneven areas including fence rows shall be graded to eliminate humps or depressions that would interfere with a 24 inch mower.

Fence shall be removed from trees and the tree trunks repaired. Boulders shall be removed and disposed of or buried to a minimum depth of 2 feet. Stone piles shall be removed and disposed of or buried to a minimum depth of 2 feet.

The lump sum bid for Item L-6, Roadside Cleanup - Modified, shall constitute full payment for this item and no additional compensation will be allowed.

ITEM L-3 PLACING STOCKPILED TOPSOIL

The topsoil shall be placed to a depth of 3 inches on all areas where grading is required in Rest Areas as shown on the cross-sections and by the contour on the plans.

It shall be placed at variable depths necessary to obtain smooth grades over the tree root areas and areas where trees, stumps, boulders, and stone piles are removed. Maximum depth over tree root areas shall be 3 inches. Fertilizer for this item is included in L-9 quantities.

PRESSURE WATER SYSTEM

Method of measurement: The "Item Special, Pressure Water System" and all appurtenances as detailed and specified on the plans shall be considered as one unit. The number of units to be paid for shall be the number of each unit, listed and estimated separately, complete and accepted.

PRESSURE WATER SYSTEM - *Continued*

Basis of Payment: The work included in this Item shall be paid for at the contract unit price bid for each "Item Special, Pressure Water System" completed and accepted, which price and payment shall constitute full compensation for furnishing, preparing, placing and installing all materials, and for all materials, and all labor, equipment, tools and incidentals necessary to complete this item as shown and specified on the plans.

. . . . . .

AEROBIC SEWAGE TREATMENT PLANT

GENERAL: Furnish and install one pre-fabricated concrete waste treatment plant, complete and ready for operation, in accordance with plans and specifications stated herein and acceptable to the Ohio Department of Health. The waste treatment plant shall be of the activated sludge type, specifically known as aerobic digestion, capable of treating 7,000 gallons per day of domestic sewage of 210 parts per million, five day B.O.D. from composite samples of average daily flow. The complete plant shall consist of an aeration chamber, and final settling compartment.

GENERAL (CONTINUED)

The Contractor shall provide the excavation to the elevation as indicated on the plans. He shall pour slab of Class "C" reinforced concrete with keys as indicated, run influent and effluent pipe and make necessary backfill after the plant has been erected.

PLANT CONSTRUCTION AND ERECTION

Under this section, the Contractor's agent or manufacturer shall supply and completely install on the concrete pad, poured by the Contractor, a pre-fabricated concrete tank consisting of a single tank divided into two sections. The aeration tank shall be of sufficient size and capacity to provide a 24 hour period of aeration. The bottom of the tank shall be filleted around the tank to prevent sludge accumulation. For this aeration tank he shall install and supply a yoeman's cavitator of ample size to provide minimum of 350 cubic feet of air for each pound of B.O.D. applied. Where required the aeration tank walls shall be vertically extended in which case cavitator unit may be mounted to side walls. Its rated capacity shall be based on its hourly rate of B.O.D. application and tank size to maintain cleansing velocity. The cavitation shall have a time clock to vary air supply with the demand. The motor drive unit shall consist of a one and one half (1½) H.P., 1750 R.P.M., 110/220 volts, single phase, 60 cycle motor suited for ourdoor operation, with a V-belt drive, magnetic starter, with H.O.A. selector switch Nema IV enclosure: the time clock also a Nema IV enclosure.

FINAL SETTLING

This section of the tank shall be of ample size to provide four hours of retention based on the same rates governing the aeration tank and shall have proper baffling.

The total settling volume shall include the volume of the upper 1/3 of the sludge hopper.

The settled sludge shall be returned to the aeration tank by an air lift assembly, consisting of an air lift pump activated by a rotary air compressor with a 1/2 H.P, 1750 R.P.M., 110 volts, single phase, 60 cycle, open motor and shall be equipped with an electric time clock.

AEROBIC SEWAGE TREATMENT PLANT - *Continued*

AUTOMATIC SCUM REMOVER

Froth or scum formed on the final settling tank shall be returned to the cavitator draft tube by means of a fabricated steel skimming funnel located at or near the effluent baffle.

SCREEN

All raw waste tributary to the plant will pass through a minimum clean bar screen with dry deck, located on the inside of the aeration tank at the point of effluent entry.

PRE-FABRICATED TANK

A concrete tank, as described above shall consist of concrete slabs with a minimum thickness of 6 inches and shall be adequately reinforced to with-stand the ground pressure on the outside when empty or the water pressure from the inside in the event that there is no external ground pressure. The supplier of this tank shall completely install all equipment and piping within the plant, as listed above. Note the entrance and exit angles required for influent and effluent pipe shown on the plan.

He shall, also, provide a grating to cover the aeration and final settling tank: This grating to be hinged where necessary to provide for proper maintenance to plant.

ELECTRICAL WORK

The Contractor shall provide an instrument panel on which is to be mounted the time clocks and starters, as listed above. He also, shall complete the service to the disposal plant and shall make the necessary electrical connections. Service to sewage disposal plant shall be direct burial cable, using number 10 wire.

METHOD OF MEASUREMENT

The Aerobic Sewage Treatment Plant and all appurtenances as detailed and specified on the plans shall be considered as one unit. The number of units to be paid for shall be the number of each unit, listed and estimated separately, complete and accepted, including the 6" V.S.P. Sec. M-6.8(b) inlet and outfall lines as shown on Sheet 272 and noted below.

BASIS OF PAYMENT

The work included in this item shall be paid for at the contract unit price bid for each Item Special, Aerobic Sewage Treatment Plant completed and accepted, which price and payment shall constitute full compensation for all excavation and backfill, and for furnishing, hauling, and placing all materials, and for all labor, equipment, tools and incidentals necessary to complete this item.

6" V.S.P. WITH BITUMINOUS JOINTS

Bituminous joints for sewers (Sanitary) as called for in these plans shall be bituminous compression type such as slip seal or an approved equal. Construction shall otherwise conform to Item I-1 using Class 1 Backfill.

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REST AREAS ROADSIDE TOILETS AND STORAGE UNIT
GENERAL NOTES

GENERAL

The buildings are to be constructed at the locations and elevations shown on the plans. Excavating and backfilling shall be as specified under E-1. Aggregate for subgrade under floors shall be as specified under B-19.

CONCRETE WORK

1. Extent of Work

A) This Contractor shall furnish all equipment, material, labor and services necessary to form, place, finish and cure all plain and reinforced concrete required for the completion of the building, as shown on the plans and as hereinafter specified. Drives are not included in this work.

2. General

A) All concrete construction, except where otherwise specified hereinafter, shall be Class "C" Item S-1.

B) Concrete may be either ready-mixed or job-mixed. All ready-mixed concrete shall be in strict accordance with specifications for Class "C" concrete except as hereinafter modified and specified.

C) No concrete shall be placed before conduits, sleeves, inserts, etc. are in place to the satisfaction of the Engineer or before forms, reinforcing and affected work of other trades have been approved by the Engineer.

3. Materials

A) Materials shall be in accordance with Item S-1 concrete for structures.

B) Fabricated steel reinforcement shall meet the requirements of Type "A" Mesh, Sec. M-7.15.

4. Reinforcement

A) Floor slabs shall be reinforced throughout with Type "B" Bar Mats or Type "A" Mesh, Sec. M-7.15. Adjacent sheets shall be lapped at least 6", sides and ends, with lapped edges securely wired or clipped together on not over 48" centers. Fabric shall be brought into position in approximately the center of the slab thickness, as concrete is placed.

B) Footings shall be reinforced throughout and continous with 2 # 5 Bars placed 4" up from bottom and 3" in from each side.

C) Oil, scale, rust, dirt, or other coatings that would destroy or reduce the bond shall be removed.

5. Construction Joints

A) All floor slab sections shall be completed in one pour.

B) If an emergency joint must be made, it shall be keyed and dowelled to the satisfaction of the Engineer. Imediately prior to resuming pouring, the joint surface of concrete in place shall be cleaned of all soil and laitance, thoroughly wetted, and slushed with a coat of neat-cement grout.

6. Floor Slabs, Platforms, etc.

A) Concrete floor slabs and exterior apron and platform shall be of thickness shown on drawings and reinforced as specified or noted on drawings.

CONCRETE WORK - *Continued*

B) Interior slabs shall be placed on porous fill as provided for under the "General" heading. Fill shall be thoroughly soaked with water and re-compacted and re-shaped as may be required, imediately before concrete is poured.

7. Finishing Concrete

A) Floor shall be finished integrally by screeding, floating, and steel troweling. The fresh concrete shall be screeded and floated with wood floats or mechanical floating machines to true and even surfaces at the required finish levels and until only enough mortar for troweling is brought to the surface. Troweling shall not begin until all water and water sheen have disappeared from the surface. Water rising to the surface shall be removed in a manner approved by the Engineer. No sand-cement dust coat shall be used. The finished surfaces shall be smooth, even, and free from blemishes of any kind. Finish the top of door sills with floor.

B) Exterior apron and platform shall be finished smooth and even with wood floats and without the use of sand-cement dust coat.

8. Patching

A) All necessary patching of concrete shall be done after other work is in place. Point carefully around all piping, etc.

9. Vapor Barrier

A) Provide a 1" thick sand cushion and continous moisture-vapor barrier under floor slab.

B) Moisture-vapor barrier to be 6 Mil. (.006") thick pure polyethylene plastic film, as made by Meadows, Sisicraft, Visking, Wasco, or equal; or a polyethylene-faced laminate equal to "Moistop" by American Sisalcraft Corporation. Use widest practicable width, lap at least 6" at joints, and seal.

10. Perimeter Insulation

A) Prior to final shaping and compaction of earth subgrades inside the building, install vertical and horizontal perimeter insulation continously around the exterior walls, as indicated on the drawings and herein specified.

B) Material to be 1" thick "Styrofoam" 22 or "Scorbord", rigid plastic insulation insulating board, by Dow Chemical Company, Midland, Michigan.

11. Color Hardener

A) In men and women toilet rooms, into the surface of all concrete floor shall be incorporated "Colorcron" hardener, by Master Builders Company, Cleveland, Ohio. (Color to be selected), using 35 lbs. per 100 sq. ft., in strict accordance with the directions of the manufacturer. Other acceptable manufacturers: "Colorundum" by A.C. Horn Company, and "Harcol" redi-mixed non-metallic hardner by L. Sonneborn and Sons, Inc., Hydromat by the Upco Company, Cleveland 3, Ohio.

12. Well Pit, Manhole Cover and Frame

A) Provide and install cast iron manhole cover and frame over well pit. (See drawing *Sheet 293*)

B) Manhole frame and cover to be Type-R-1737, light duty, round, lock-type, 1'-10 1/4" diam., wt. 115 lbs. by Neenah Foundry Company, Neenah, Wisconsin, or similar type by Flockhart Foundry Company or approved equal.

CONCRETE WORK - *Continued*

C) Well pit shall be constructed as shown on the plan and 6" transite or plastic conduit placed underground as shown, to permit placing pipe to connect the well with the pump and storage tank.

ROOFING AND SHEET METAL WORK

1. Extent of Work

A) Install build-up roofing, sheet metal work, flashings, (including vent pipe flashing) gravel stops and skylight gravity roof vent units.

2. Built-Up Roofing and Flashings

A) Install gravel-surfaced "20 year bond" type roof, either:
(1.) Barrett's Type AA "Specification" Roof; Carey's "Specification No. 3-B"; Koppers "Specification No. 17" Roof

(2.) Johns-Manville's 4 Ply Aquadam (Spec. No. 801) Roof, or Carey's 3-A, and gravel surfaced.
or,

(3.) Owens-Corning Fiberglass Corp's., "Spec. 320 IGD" fiberglass reinforced asphalt roof, build-up of asphalt filled fiberglass mats and asphalt; gravel surfaced.

B) Gravel stops and other mopped-in metal flashing shall be installed after all roofing plies are in place, and shall have roof leg coated with bituminous paint before being placed. Apply at least 2-ply membrane flashings over same before applying the final flood coat of bituminous.

3. Gravel Stop

A) Gravel stop to be extruded Aluminum, Type-F, 3/32" thickness, by Alcoa No. 42058, 5" face or similar design by Reynolds or Kaiser or approved equal.

4. Skylight Ventilators

A) Plastic domed skylight ventilators to be Standard, Rite-Light Skydomes No. GRV-4242 as manufactured by the By-Products Company, Landover, Md. or Wasolite, Wasco. Products, Inc., Cambridge, Mass. or Vanco Domelite, E. Van Noorden Company, Boston, Mass.

B) Skylight ventilators to be factory assembled units, each consisting of an acrylic plastic dome, extruded aluminum frame and curb frame with condensation and weepage gutters. Domes to be "white translucent" plastic.

ALUMINUM WINDOWS

1. Extent of Work

A) Furnish and install all aluminum windows required to complete the building in accordance with the [illegible] drawings, and as hereinafter specified.

B) No glazing or caulking of windows is required under this branch of work.

C) Furnish four copies of shop drawings for approval, prior to shipping.

2. Aluminum Windows

A) Windows shall be of sizes shown on the drawings, and of "commercial projected" construction, outside glazed.

B) Windows furnished shall be those of William Bayley Company, Ludman, Mesker

ALUMINUM WINDOWS - *Continued*

Brothers, or Truscon Steel Company and shall meet Specification PV-2 of the Aluminum Window Mfrs. Association.

C) Windows shall be properly cleaned after fabrication.

D) Hardware shall be solid cast white bronze and in accordance with the manufacturer's standard practice.

E) All bolts, clamps, anchors etc., required for installation, shall be furnished.

F) Windows shall be caustic etched and spray laquered in the shop.

3. Erection

A) Windows shall be set plumb and true in openings and shall be substantially anchored and grouted.

B) Proper provision shall be made for caulking, by others, at window-to masonry joints, sills shall be bedded-in solidly.

C) All ventilators shall be adjusted so as to operate smoothly.

CARPENTRY AND MISCELLANEOUS

1. Extent of Work

A) Furnish all labor, materials, equipment and incidentals necessary to complete all rough and finished carpentry requirements of the building and all miscellaneous items of work specified hereinafter, all as shown on the plans and/or herein specified.

B) Include miscellaneous work as follows:
1. Glass and Glazing
2. Caulking
3. Finish Hardware

C) Furnish all bolts, anchors, inserts, etc., required to be built into *other work* for securing wood parts, and supervise their installation.

D) Collect and dispose of all debris accumulating from all branches of work in connection with the building.

2. Rough Carpentry

A) All lumber, siding, trim, throughout: except otherwise noted, shall be S4S Std. K.D. No. 1 common or better, Southern Yellow Pine of size indicated on drawings. All lumber to be pentachlorophenol treated - see par. (C).

B) All doors to be flush panel, solidcore, birch, select of sizes indicated on door schedule and with metal "Airolite" louvers and aluminum screening by Airolite Corporation or approved equal.

C) Pentachlorophenol treated lumber shall be used throughout the entire job and shall be treated to 6 lbs. retention in accordance with the requirement for pentachlorophenol treatment, Sec.-M-8.3 of the State of Ohio, Department of Highways "Construction and Material Specifications." The treating solution shall meet the requirements of Sec. M-10.28.

3. Wall Panelling

A) For men and women's toilets only, provide and install walls and ceilings of 48" x 96" x 5/32" deluxe hi-gloss panels of "Marlite" (Marsh Wall Products, Inc.) applied to 5/8" exterior plywood sheathing by Marsh Mastic Application (Marsh Wall Products, Inc.) and finished at ceiling and base with Marsh M-45A Drive-On Aluminum Molding: at corner wall intersections with Marsh Molding M-50 A, and at baseboard with Marsh M-12 Base.
Wall panels to be applied vertically with Marsh M-65A Molding as indicated on the drawings. Entire "Marlite" installation to be executed in accordance with the manufacturer's specifications - (Marsh Wall Products, Inc., Dover, Ohio.)
Marlite color: to be selected.
Above wall paneling to be as specified or approved equal.

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REST AREAS ROADSIDE TOILETS AND STORAGE UNIT
GENERAL NOTES

CARPENTRY AND MISCELLANEOUS - *Continued*

4. Insulation

A.) Provide and install 4" fireproof mineral wool encased blanket in entire ceiling of building and 2" fireproof mineral wool encased blanket on all walls and partitions of the building. Acceptable manufacturers: Celotex Corp., Chicago, Illinois; Armstrong and Johns - Manville, or approved equal.

5. Insulation Vents

A.) Where indicated on the plans, provide and install aluminum 2½ inch diameter miniature louvered ventilators with aluminum screens, by Leigh Building Products Division, Coopersville, Michigan, or approved equal.

6. Toilet Partitions

A.) Provide and install all overhead-braced metal toilet partitions complete with hardware. Partitions to be galvanized and bonderized panels at least 1" thick with a baked-on enamel finish, color to be selected. Acceptable Manufacturers: Mills Company, Cleveland, Ohio; Henry Weis Manufacturing Co., Elkhart, Indiana; Fiat Metal Mfg. Co., Chicago, Ill.; or Sanymetal Products Co., Inc., Cleveland, Ohio.

7. Toilet Room Accessories

A.) Furnish and install four (4) 16" x 24" chrome-edged mirrors as indicated on drawings - Parker Company, Miami Carey or Hallmack or approved equal.

8. Glazing

A.) Glaze all windows, furnishing glazing clips for windows.

B.) Toilet room windows shall have 1/8 inch hammered glass. Glass shall be either "L.O.F." or "Blue Ridge" or "Mississippi Glass Co." or "J. Merrill Richards", Boston, Mass.

C.) All glazing shall be done with approved glazing compound as manufactured by Dicks-Pontius, Kuhls, Percora, Pittsburgh or Tremco.

D.) Glass in metal windows shall be bedded, clipped and face glazed.

E.) Leave all glass unbroken and clean at completion of structure.

9. Caulking

A.) Caulk around metal windows and exterior door frames in a thorough manner, using the first quality, gun-grade compound of Tremco, Percora, Kuhl's or equal. Follow gun with hand pressure tool wherever necessary for first class job.

B.) Remove all stains resulting from caulking, at once, from sills, frames, etc.

10. Finish Hardware

A.) Provide and install door hardware as follows:

1. Doors (A), Each door shall have:
   1 - ½ PRS. Butts BBK 179P, 4 - ½ x 4 - ½ inches
   1 - Cylinder Lockset SCF2001
   1 - Hold-open arm GJ76
   1 - 10" Kickplate
   1 - Doorstop FB13X
2. Door (B)
   1 - ½ PRS. Butts, BB179P, 4½ x 4½ inches
   1 - Cylinder Lockset SCF 2001
   1 - Hold-open arm GJ76
   1 - 10" Kickplate

CARPENTRY AND MISCELLANEOUS - *Continued*

10. Finish Hardware - *Continued*

B.) Butt references are from Stanley Catalogue; Locksets are from Lockwood; Door stops, Glynn-Johnson. Similar and equal items as manufactured by Russell and Erwin, Corbin, Sargent, Yale and Towne, McKinney or Hager will be acceptable.

C.) All lock cylinders shall be keyed alike, and masterkeyed. Furnish 2 keys for each lock.

D.) Finish for Locksets shall be aluminum U.S. 28.

E.) Install finish hardware neatly and accurately and so that it operates easily, quietly and properly.

F.) Locks, trim, etc., shall be fitted prior to start of painter's work, but shall not be permanently installed until painter's work is completed.

ELECTRICAL

1. Notes

A.) The Contractor shall carefully read the specifications of all branches of work pertaining to the building so that he may be fully informed as to the work to be done.

B.) The submission of a bid for this work signifies that the Contractor has examined the drawings and specifications for all branches of work for the project and has visited the site and is acquainted with all conditions which may in any way whatsoever effect the execution of the work.

C.) Where a material or method is described by performance data only, any product or method meeting such requirements may be used. Where more than one brand name is specified, the first name is the product whose dimensions and performance characteristics were used in the design. The other named products may be used but with the understanding that if changes to the building are required because of dimensions or characteristics of that product, any additional cost shall be a part of the bid.

D.) In case any conflict develops between drawings and specifications, same shall be referred by the Contractor to the Engineer for decision as to method and/or material.

2. Extent of Work

A.) The Contractor shall furnish all labor, materials and equipment and install complete all electric work as hereinafter specified and as shown on the plans for the two Rest Areas.

B.) All work shall be done in strict accordance with the latest edition of the National Electrical Code and special regulations of the State Fire Marshall and the State Department of Workshops and Factories.

C.) All material shall be new and conform with the standards of the Underwriter's Laboratories, Inc. Wherever such standards have been established and shall fulfill the normal requirements for satisfactory workmanship.

ELECTRICAL - *Continued*

3. Inspection

A.) All work shall be inspected by the Electrical Inspection Bureau, Inc., or an approved electrical inspection agency which guarantees its work.

B.) Upon completion of the work the Contractor shall furnish to the Engineer, a certificate of inspection and approval from said bureau or agency before final payment on contract will be allowed.

C.) Fee for inspection shall be *paid by the* Contractor.

4. Service

A.) Service will be single phase, 60 cycles, 110/220 volts A.C., 3 to 2 wire distribution for lights and small motors and 220 volts for heating units.

5. Service Entrance

A.) Service shall start from a Power Company pole located at rest area fence and be run under ground in conduit to a 100 Amp. switch on panelboard in building and be connected to same.

B.) Conduit shall start 20 feet up on pole. Provisions shall be on pole to mount meter as per Power Company's instructions. Conduit, when underground, shall be encased in concrete with 3 inches all around conduit. The Contractor shall excavate trench for conduit and properly backfill over same.

C.) The Contractor shall visit the site to determine location of starting pole.

D.) Size of service feeder shall be 3 No.1 RHW wires and size of conduit shall be 1½ inches. Conduit shall be heavy wall galvanized or sherardized conduit. Top of conduit on pole shall be provided with a proper type pot head. Power Company will make connection to their service but the Contractor shall have his wires long enough for said connections.

6. Panelboard

A.) Panelboard shall be designed for 3 to 2 wire distribution, have neutral bar across the top, a 100 Amp. 3P. circuit breaker in mains.

B.) Board shall contain 10-15 Amp. single pole circuit breakers and 4 double pole, 220 volts, 30 Amp. breakers, one for heating units, well pump motor, and sewage treatment plant motors.

C.) Cabinet shall be single door type and panel of Square D, General Electric, or Bulldog make.

D.) Cabinet shall be of surface type, constructed of code guage steel and galvanized or painted with an approved protective paint or lacquer. Cabinet shall be provided with wiring gutters at top, bottom and sides. Front shall have code guage metal trim and door.

E.) Door shall be provided with cylinder type lock and three keys shall be delivered to the Engineer.

7. Heating Units and Controls.

A.) The Contractor shall provide and install where shown, 3 electric heating units for each toilet room.

B. Each unit shall have a rating of 2 KW and be type H as made by Chromalox, or No. 690-32 as made by Indeeco for 230 volts, single phase, 60 cycles, A.C.

ELECTRICAL - *Continued*

7. Heating Units and Controls - *Continued*

C.) The group of three in each toilet room shall be controlled by a proper type thermostat and contactor both located where shown. Thermostats and contactors shall be made by manufacturers of heating units supplied.

8. Photoelectric Control Switch

A.) The lights in both toilet rooms, vestibules, and exterior lobby shall be on one circuit and controlled by photoelectric control switch.

B.) Control switch shall be a G.E. catalogue No. C4206006, or approved equal.

C.) Switch shall be mounted on roof at point directed.

9. Wire and Wiring

A.) Wire shall be rubber covered grade RHW non-metallic sheath cable of Type NMC and bear underwriters label.

B.) All wiring shall be run concealed.

C.) Wire shall not be spliced anywhere except in outlet boxes. All splice joints shall be carefully made, cleaned, soldered and taped with Scotch No33 Electrical tape.

D.) No wire less than # 12 AWG shall be used.

E.) No joists or beams shall be notched to run wires. Holes shall be bored for same.

F.) Runs of cables between outlet boxes shall be properly supported or strapped in place.

G.) Cable shall enter boxes through a knockout and shall be clamped to the box if not supported within 8" of box.

10. Outlet Boxes and Fittings

A.) All light and switch outlet boxes shall be of heavy pressed galvanized steel of a standard make and of size, shape, usage, and connections.

B.) Outlets for light fixtures shall be 4" square or octagonal.

C.) Where two or more switches are shown at one point, gang outlet Boxes shall be used.

11. Switches

A.) All switches shall be flush type tumble switches, General Electric No. 2842 or approved equal as made by Arrow-Hart & Hegman, Pass & Seymour, Bryant or Hubbell.

12. Plates

A.) All switch plates shall be .06" thick metal, nickel plated, or stainless steel.

B.) At points where two or more switches are located, gang outlet boxes shall be used.

13. Grounding

A.) System shall be grounded in accordance with requirements of National Electrical code.

14. Fixture Schedule

A.) The Contractor shall furnish and install complete, including lamps, all lighting fixtures for the building. The style of fixture by a letter and number respectively.

B.) Style "A" shall be an art metal # 15 - 1115 C.H.
Style "B" shall be an art metal # 10 - 1110 C.H.
Style "C" shall be an art metal # 10 - 1110 A.A.
Style "D" shall be a porcelain outlet box receptacle

C.) Similar fixture as made by Prescolite or Virden will be acceptable subject to Engineer's approval.

15. Sewage Treatment Plant

A.) The Contractor shall furnish and install all necessary electrical devices and wiring required for service to the sewage treatment plant as herein described in specification for sewage treatment plant.

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REST AREAS ROADSIDE TOILETS AND STORAGE UNIT
GENERAL NOTES

PLUMBING

1. Notes

A) The Contractor shall carefully read the specifications of all branches of work pertaining to the building so that he may be fully informed as to the work to be done.

B) The submission of a bid for this work signifies that the Contractor has examined the drawings and specifications for all branches of work for the project and has visited the site and is acquainted with all conditions which may in any way whatsoever effect the execution of the work.

C) Where a material or method is described by performance data only, any product or method meeting such requirements may be used. Where more than one brand name is specified, the first named is the product whose dimensions and performance characteristics were used in the design. The other named products may be used but with the understanding that if changes to the building are required because of dimensions or characteristics of that product, any additional cost shall be a part of the bid.

D) In the case any conflict develops between drawings and specifications same shall be referred by this Contractor to the Engineer for a decision as to method and for material.

2. Extent of Work

A) The Contractor shall furnish all labor, material and equipment and install complete all work as hereinafter specified, including all 6" cast iron sewer pipe to a minimum distance of 100' from water well as shown on the plans.

3. Inspection

A) All work shall be installed in strict accordance with the Ohio State Plumbing Code and have State Plumbing Inspection.

B) The Contractor shall take out a permit with the Division of State Plumbing Inspection before starting any work. Fee for same shall be a part of this Contract and included in the unit price bid.

C) When work is completed, Contractor shall furnish to the Engineer, a certificate of approval from the State Department of Health before final payment will be allowed.

4. Roughing In

A) All plumbing fixtures shall be located and roughed in as shown by plans and plumbing diagrams.

B) Cleanouts shall be provided where shown and called for by State Plumbing Code and be installed in such a manner as to be easily accessible for rodding.

C) All waste and vent lines above floor shall be standard weight galvanized steel pipe. Fittings for waste lines shall be black cast iron drainage type. Fittings for vent lines shall be galvanized malleable iron.

PLUMBING - *Continued*

D) All exposed work shall be run in a neat manner acceptable to the Engineer.

5. Building Drain

A) The building drain shall be of extra heavy cast iron soil pipe and fittings and run as shown on the plans, as to location, size and connections, to a minimum distance of 100 feet from the well as shown on the plans.

B) All joints shall first be caulked with oakum and then well caulked with lead not less than 1" deep.

C) Lines shall have a fall of not less than 1/8" per foot.

6. Excavation and Backfill

A) Trenches necessary for laying of drains, or any other lines under this Contract, shall be excavated and backfilled by the *Contractor*.

B) Any excavation within five feet of the edge of any footing and below the elevation of bottom of same, shall be backfilled with Class "E" concrete to level of bottom of footing.

C) All trenches shall be backfilled by tamping in thin layers of clean dirt and puddling.

D) No trench shall be backfilled until the line in same has been inspected and approved by the proper inspector.

E) The surface of backfilled trench shall be restored to a condition as good as the original surface.

7. Water Piping

A) Main shall start from the storage tank of water system which will be furnished *under another item* and be run as shown on plans as to sizes. Locations and valving.

B) Each branch shall be provided with an all brass gate valve, 125 lbs. Class.

C) Pipe shall be galvanized steel, fittings galvanized malleable iron.

D) Two brass hose faucet drains shall be provided and installed where shown and lines shall be run so as to drain at these points.

8. Cutting and Patching

A) The cutting of new concrete, masonry or any other work shall be avoided by the use of sleeves installed as the work progresses.

B) In case it is necessary to cut into work *already installed, repairing or patching made necessary by such cutting shall meet the requirements of the Engineer and be included for payment in the unit price bid.*

9 Floor Drains

A) Shall be Zurn Fig. 2N-215V or approved equal as made by Josam, Wade, Boosey or Asco.

B) Cast iron 1/2" "S" traps shall be used with each floor drain.

PLUMBING - *Continued*

10. Water Closets

A) Shall be complete as American Standard F-2495-8 except seat shall be White Olsonite No. 1000 or approved equal as made by Church or Stasco.

B) Equal closets as made by Crane, Kohler or Eljer will be acceptable subject to Engineer's approval.

11. Urinals

A) In men's toilet room shall be complete as American Standard F-6240-1 or approved equal as made by Crane, Kohler or Eljer.

B) The one in women's toilet room shall be complete as American Standard F-5830-1 or approved equal as made by Crane, Kohler or Eljer.

12. Lavatories

A) Shall be 20"x18" and complete as per American Standard P-3867-40 except cold water faucet shall be R 2213 or Chicago Naiad, shall be no hot water faucet but a R 2560, faucet hole cover for same, supply pipe R 2607 and trap R 7003-45.

B) Equal lavatories as made by Crane, Kohler or Eljer will be acceptable subject to Engineer's approval.

13. Drinking Fountain

A) Shall be a Crane 6-590 or approved equal as made by American Standard, Kohler or Eljer equipped with Modern Kelly Push Button Automatic Freeze Proof Water and Drain Assembly and Cabinet.

14. Supports for Water Closets and Urinal

A) Water closets shall be supported by Zurn Z-1205 Series Fixtures Supports.

B) Women's urinals shall be supported by similar type support.

C) Equal supports made by Josan and Crane will be acceptable.

15. Cleaning and Painting

A) After all piping has been approved, all shall be cleaned and left in first class condition for painting.

METHOD OF MEASUREMENT

The Item Special, "Roadside Toilets and Storage Unit" and all appurtenances as detailed and specified on the plans shall be considered as one unit. The number of units to be paid for shall be the number of each unit, listed and estimated seperately, complete and accepted.

BASIS OF PAYMENT

The work included in this item shall be paid for at the Contract Unit Price Bid for each "Item Special, Roadside Toilets and Storage Unit" completed and accepted, which price and payment shall constitute full compensation for furnishing, preparing, placing and installing all materials, and for all labor, equipment, tools and incidentals necessary to complete this item as shown and specified on the plans.

PLUMBING - Continued

16. Well Pit Drain

A) The 2" pipe for draining the well pits as indicated on Sheet 293 shall meet the requirements of Sec. M-6.9 galvanized in conformance with the requirements of Sec. M-7.4(d). Location of these drains is shown on Sheet 272. Construction shall otherwise conform to Item I-1 using Class 1 backfill.

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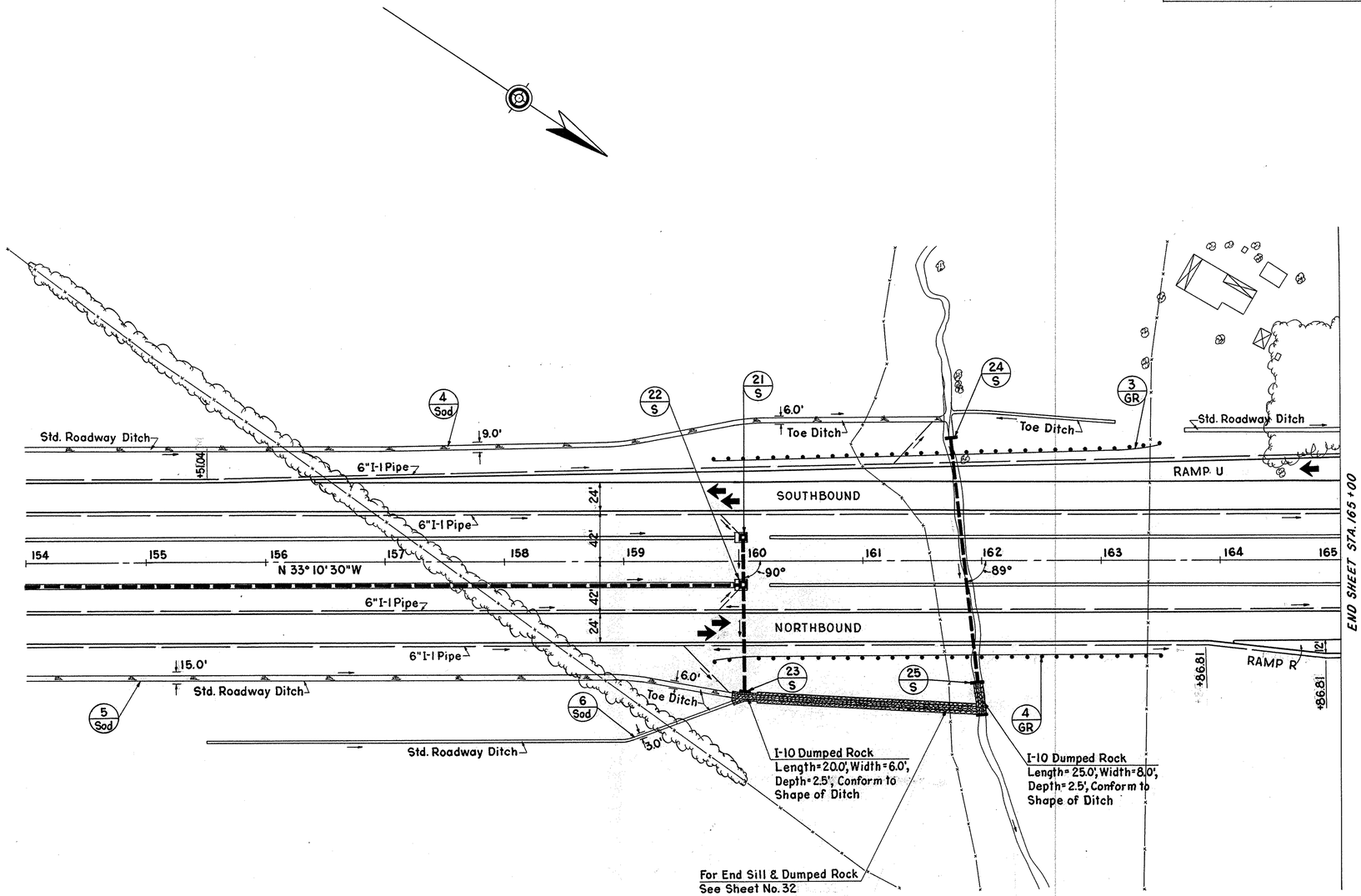
ITEM	TYPE CODE 7221					100% STATE PARTICIPATION						GRAND TOTAL			DESCRIPTION
	18	19	265	272/288	TOTAL	265	288	272	18	19	TOTAL	ITEM	QUANT.	UNIT	
															ROADWAY
E-1		21,652			21,652							E-1	21,652	Cu.Yds.	Roadway Excavation, Method "B", As Per Plan
E-1	24,214				24,214							E-1	24,214	Sq.Yds.	Compacted Subgrade
E-9			Lump		Lump							E-9	Lump	Lump	Removal of Trees And Stumps, As Per Plan
E-11		209			209							E-11	209	M.Gals.	Water
I-13										5,420	5,420	I-13	5,420	Sq. Ft.	4" Concrete Sidewalk
I-13										1,588	1,588	I-13	1,588	Sq. Ft.	7" Concrete Sidewalk
I-15				762.5	762.5							I-15	762.5	Lin.Ft.	Guard Rail, Steel Beam Std. Type (Deep)
L-3		4,623			4,623							L-3	4,623	Cu.Yds.	Placing Stockpiled Topsoil, Average Depth 3"
L-6			Lump		Lump							L-6	Lump	Lump	Roadside Clean-up (Modified) As Per Plan
L-9		39,056			39,056							L-9	39,056	Sq.Yds.	Seeding And Protecting, As Per Plan Rest Area
L-9		4			4							L-9	4	Tons	Commercial Fertilizer (12-12-12)
L-9		18			18							L-9	18	Tons	Agricultural Liming Material, As Per Plan
L-12				240	240							L-12	240	Each	Pachysandra Terminalis-Japanese Spurge 2 Yr. From 3" Pots
L-13				12	12							L-13	12	Each	Aronia Arbutifolia (Red Chokeberry) 2' to 3' B & B 12"
L-13				680	680							L-13	680	Each	Cornus Racemosa (Gray Dogwood) 2' to 3' B & B 12"
L-14				24	24		4				4	L-14	28	Each	Liquidamber Styraciflua (Sweet Gum) 1¾" to 2" B & B 24"
L-14							10				10	L-14	10	Each	Acer Rubrum (Red Maple) 1¾" to 2" B & B 24"
L-14							2				2	L-14	2	Each	Aesculus Glabra (Ohio Buckeye) 1¾" to 2" B & B 24"
L-14							6				6	L-14	6	Each	Quercus Palustris (Pin Oak) 1¾" to 2" B & B 24"
L-16							15				15	L-16	15	Each	Quercus Palustris (Pin Oak) 6" to 7" B & B 66" Furnished, Moved & Reset
L-17					Lump							L-17	Lump	Lump	Pruning Existing Trees, As Per Plan
SS-18										192	192	SS-18	192	Lin.Ft.	Fence, Type C
SS-18										2	2	SS-18	2	Each	Gates - Width 4'
SS-18		3,000			3,000							SS-18	3,000	Lin.Ft.	Rest Area Fence
Special											2	Special	2	Each	Pressure Water System
Special							20				20	Special	20	Each	Picnic Tables with Concrete Slab
Special							10				10	Special	10	Each	Charcoal Grill And Serving Table
Special											2	Special	2	Each	Roadside Toilet And Storage Unit
Special											2	Special	2	Each	Aerobic Sewage Treatment Plant
															PAVEMENT
T-71	18,880				18,880							T-71	18,880	Sq.Yds.	9" Reinforced Portland Cement Concrete Pavement
I-22	4,182				4,182							I-22	4,182	Cu.Yds.	Subbase, A or B Grading, As Per Plan
I-12	208				208							I-12	208	Lin.Ft.	Concrete Curb, Standard Type 2-A
I-12	972				972							I-12	972	Lin.Ft.	Concrete Curb, Standard Type 6
I-12	3,061				3,061							I-12	3,061	Lin.Ft.	Special Portland Cement Concrete Curb, Modified, As Per Plan
I-12	1,185				1,185							I-12	1,185	Lin.Ft.	Special Portland Cement Concrete Curb, As Per Plan
T-31	1,334				1,334							T-31	1,334	Gals.	Bituminous Surface Treatment, Bituminous Material, As Per Plan
T-31	43				43							T-31	43	Cu.Yds.	Bituminous Surface Treatment, No. 6 Aggregate
B-21	838				838							B-21	838	Cu.Yds.	Waterproofed Aggregate Base Course, As Per Plan
B-112	419				419							B-112	419	Cu.Yds.	Porous Base Course
I-21	480				480							I-21	480	Sq.Yds.	4" Median Pavement, Standard Type 1
I-125										0.878	0.878	I-125	0.878	Miles	4" Edge Lines
I-125										0.063	0.063	I-125	0.063	Miles	4" Lane Lines
I-125										0.213	0.213	I-125	0.213	Miles	8" Channelizing Lines, As Per Plan
I-125										Lump	Lump	I-125	Lump	Lump	Diagonal Stripes, As Per Plan
I-125										Lump	Lump	I-125	Lump	Lump	Curb And Island Marking
I-127		53			53							I-127	53	Each	Delineators, Standard Type C-2 Post Mounted
I-127		2			2							I-127	2	Each	Delineators, Standard Type C-3 Post Mounted

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

B.M. No. 39 Elev. 1152.61
Spike in 24" Elm
300' Lt. Sta. 162+00



For Plan & Profile of Main Line
See Sheet No. 27 & 32

Scale : 1" = 50'

ROADSIDE REST PLAN - STA. 154+00 TO STA. 165+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

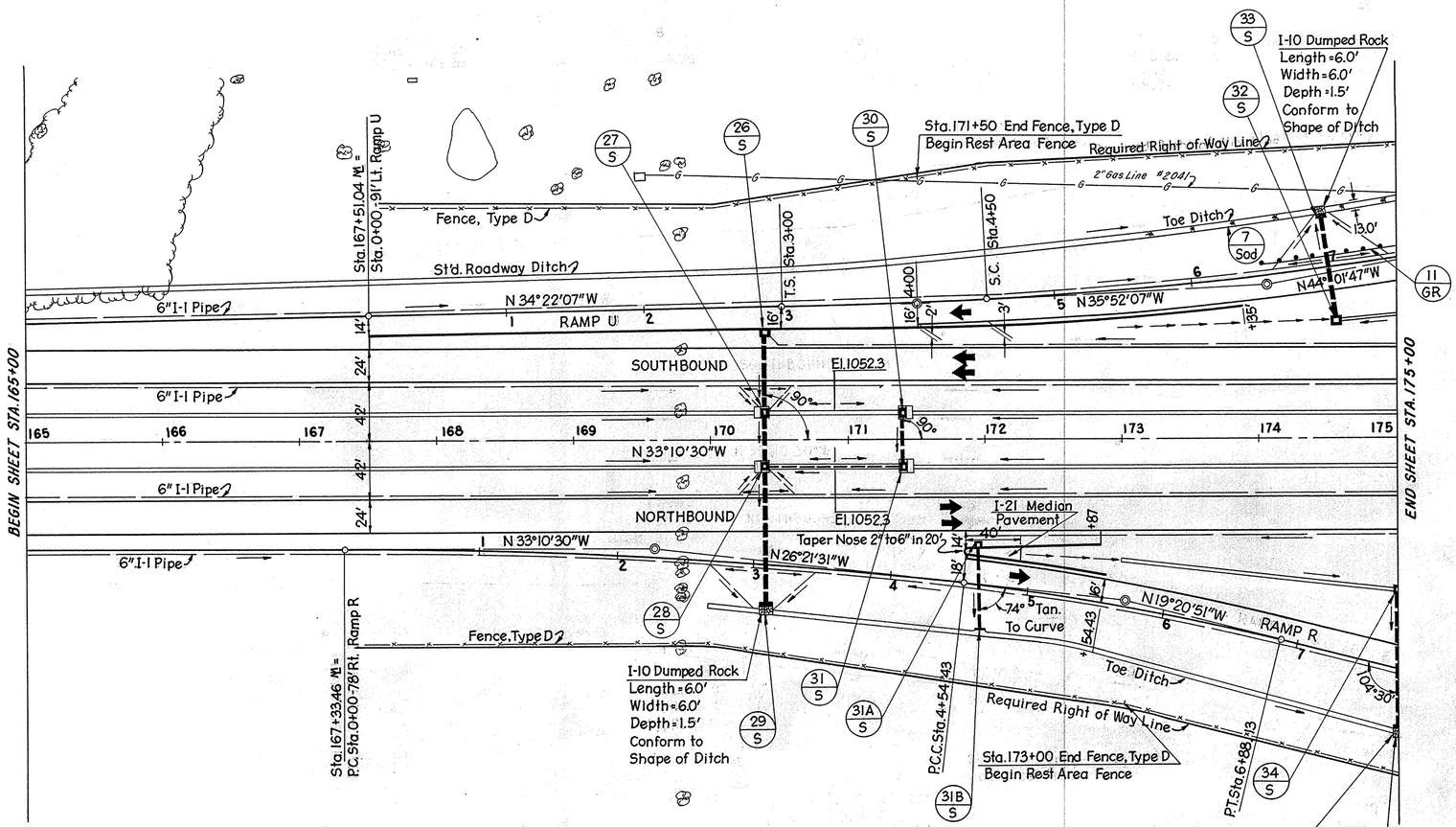
271

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 40 Elev. 1155.37
Spike in 24" Beech
320' Lt. Sta. 175+50 on Fence Line

RAMP U
P.I. Sta. 4+00.00
θs = 1°30'00" Lt.
Dc = 2°00'00"
Rc = 2864.79'
L.T. = 100.00'
S.T. = 50.00'
Ls = 150.00'

RAMP U
P.I. Sta. 6+54.37
Δ = 8°09'40" Lt.
D = 2°00'00"
T = 204.37'
L = 408.06'
R = 2864.79'



RAMP R
P.I. Sta. 2+27.48
Δ = 6°48'59" Rt.
D = 1°30'00"
T = 227.48'
L = 454.43'
R = 3819.72'

RAMP R
P.I. Sta. 5+71.43
Δ = 7°00'40" Rt.
D = 3°00'00"
T = 117.00'
L = 233.70'
R = 1909.86'

For Profile of Ramp R
See Sheet No. 276
For Profile of Ramp U
See Sheet No. 275
For Cross Sections of Ramp R
See Sheets No. 284 & 285
For Cross Sections of Ramp U
See Sheets No. 280 & 281
For Drainage Quantities
See Sheet No. 36
For Main Line Plan & Profile
See Sheets No. 32 & 33

Scale: 1"=50'

ROADSIDE REST PLAN - STA. 165+00 TO STA. 175+00

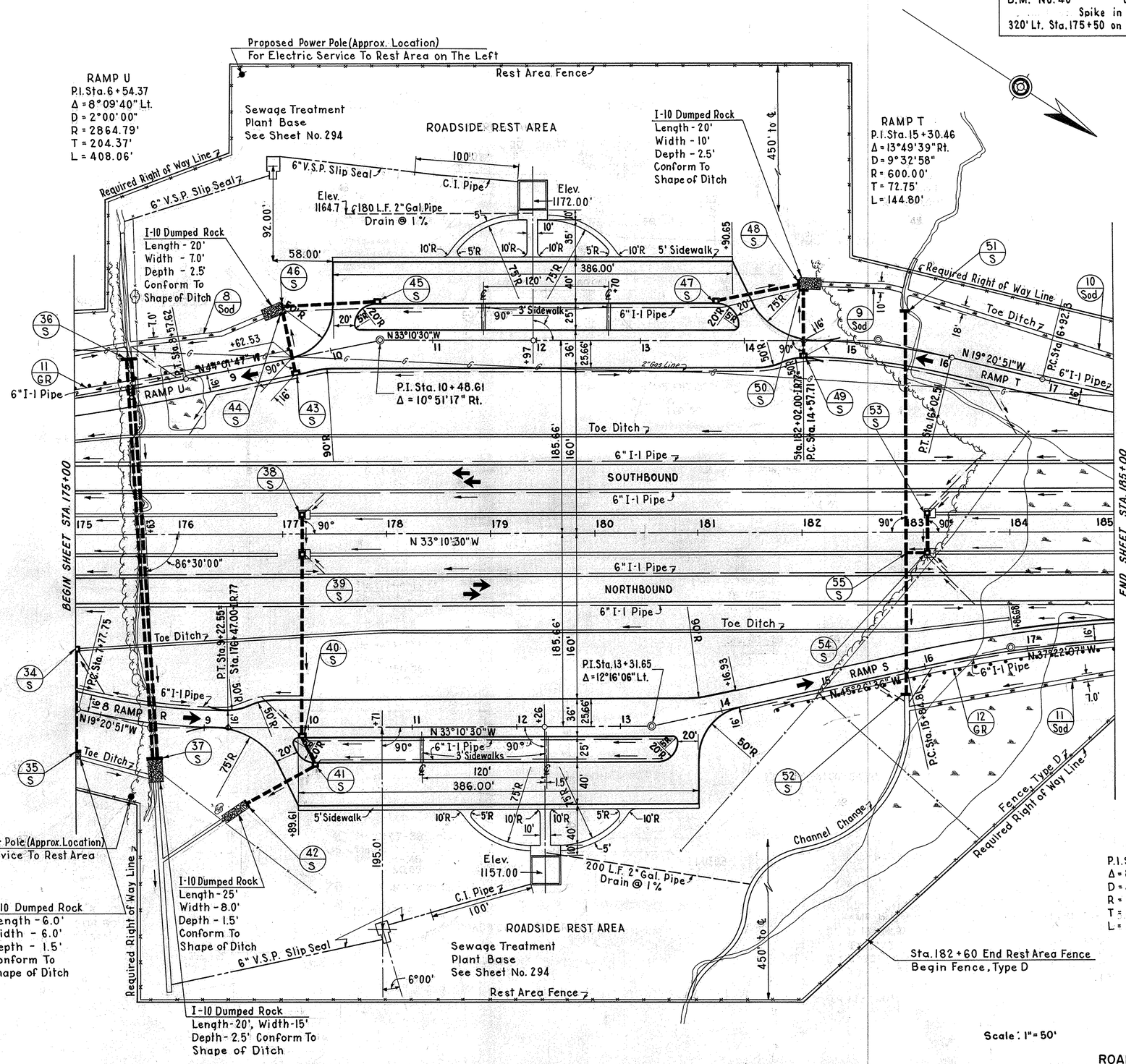
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

B.M. No. 40 Elev. 1155.37
Spike in 24" Beech
320' Lt. Sta. 175+50 on Fence Line

ITEM I-15 GUARD RAIL LIN. FT.				
Ref. No.	Station To Station	Side	Steel Beam (Deep) Standard Type	Steel Beam (Deep) Standard Type With Steel Posts
11 GR	Ramp U 6+50 to 9+62.5	Lt.	362.5	
12 GR	Ramp S 14+50 to 18+50	Rt.	400.0	
Total			762.5	



For Profile of Ramp T & S.B. Parking Area
See Sheet No. 275
For Profile of Ramp S & N.B. Parking Area
See Sheet No. 276
For Cross Sections of Ramp T & S.B. Parking Area
See Sheets No. 281, 282 & 283
For Cross Sections of Ramp S & N.B. Parking Area
See Sheets No. 285, 286 & 287
For Drainage Quantities
See Sheet No. 36
For Main Line Plan & Profile
See Sheets No. 33 & 34

ROADSIDE REST PLAN - STA. 175+00 TO STA. 185+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

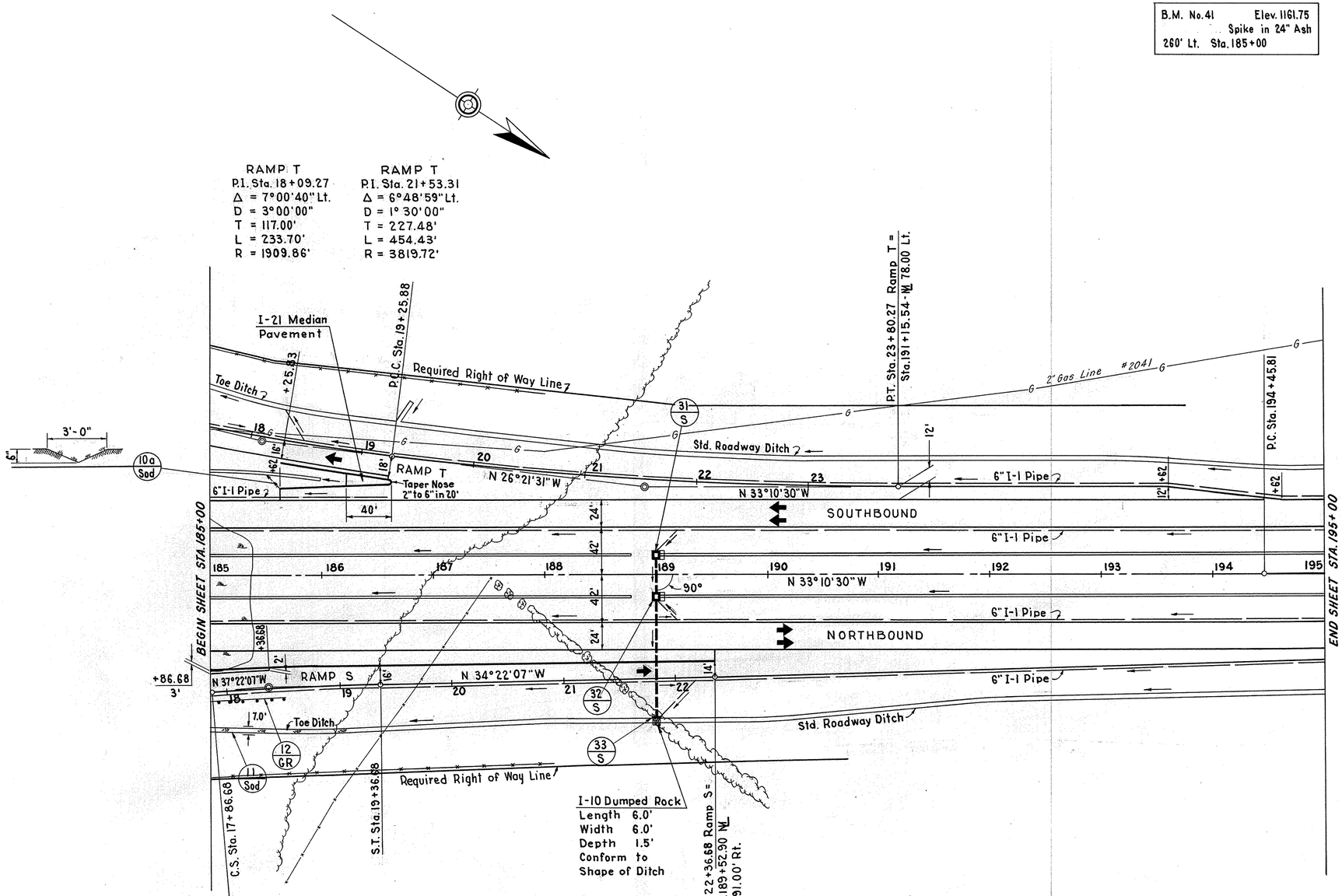
273

SUMMIT COUNTY
SUM-8-1.89

B.M. No. 41 Elev. 1161.75
Spike in 24" Ash
260' Lt. Sta. 185+00

RAMP T
P.I. Sta. 18+09.27
Δ = 7°00'40" Lt.
D = 3°00'00"
T = 117.00'
L = 233.70'
R = 1909.86'

RAMP T
P.I. Sta. 21+53.31
Δ = 6°48'59" Lt.
D = 1°30'00"
T = 227.48'
L = 454.43'
R = 3819.72'



RAMP S
P.I. Sta. 18+36.69
θs = 3°00'00"
Dc = 4°00'00"
Rc = 1432.40'
L.T. = 100.01'
S.T. = 50.01'
Ls = 150.00'

For Drainage Quantities
See Sheet No. 36
For Main Line Plan & Profile
See Sheet No. 34 & 35

Scale : 1"=50'

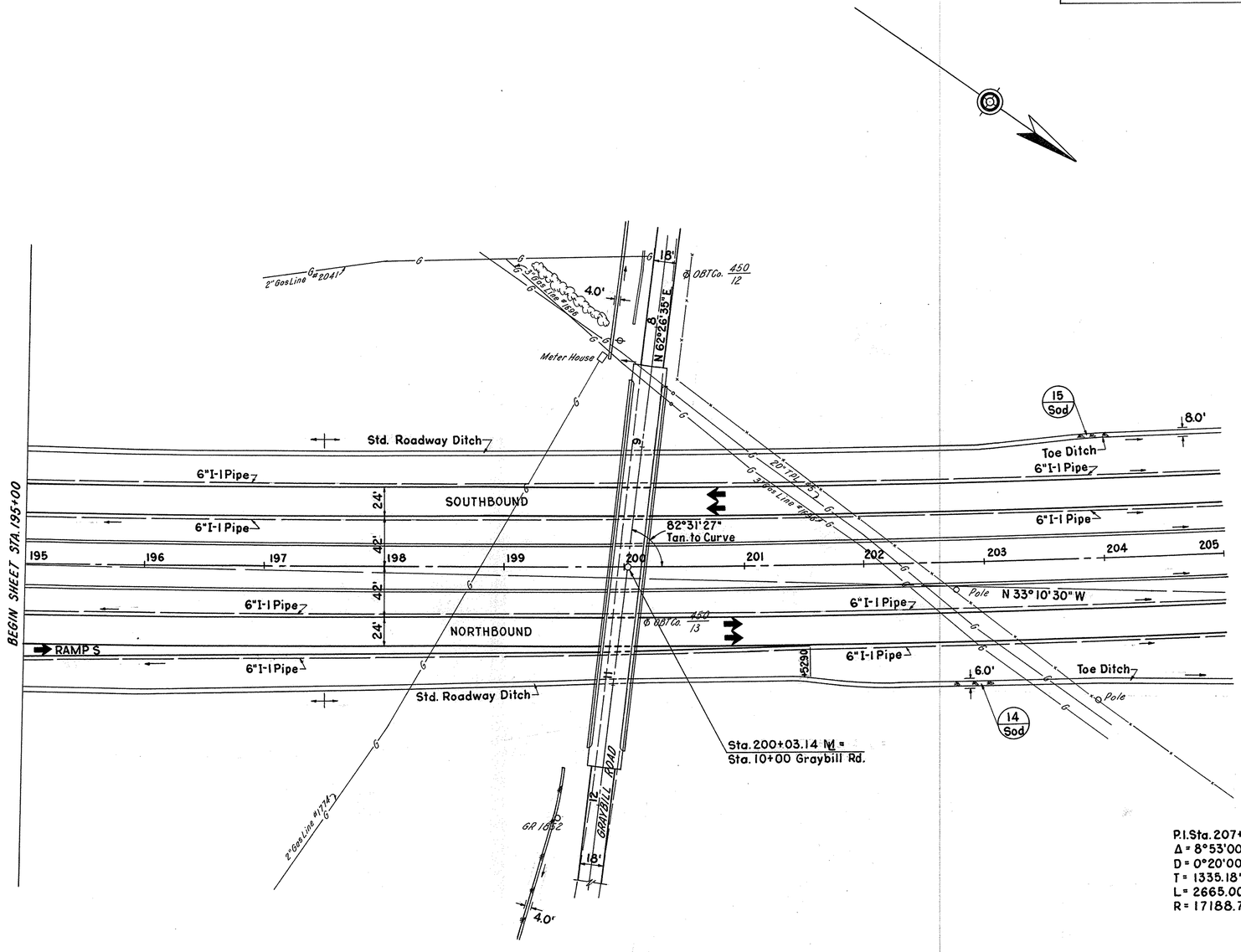
ROADSIDE REST PLAN-STA. 185+00 TO STA. 195+00

B.M. No. 42	Elev. 1167.21
	Spike in Tele. Pole #450/14
330' Rt. Sta. 199+00 North Side Graybill Road	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89



P.I. Sta. 207+80.99
Δ = 8°53'00" Lt.
D = 0°20'00"
T = 1335.18'
L = 2665.00'
R = 17188.73'

For Main Line Plan & Profile
See Sheet No. 35 & 37

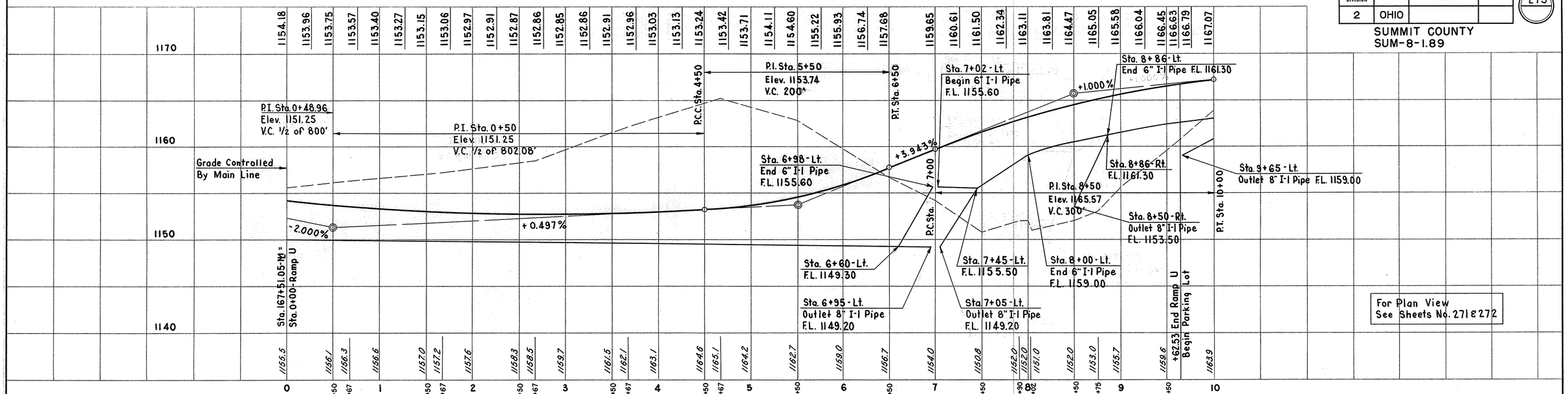
Scale : 1"=50'

ROADSIDE REST PLAN-STA.195+00 TO STA.205+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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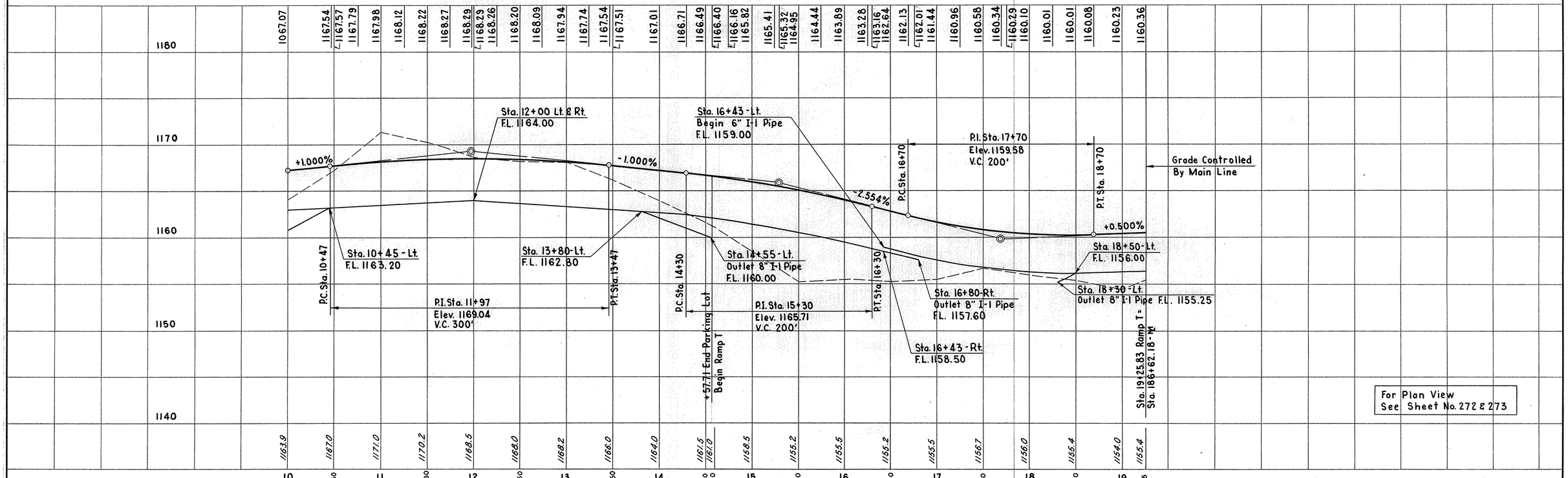
SUMMIT COUNTY
SUM-8-1.89



PROFILE - RAMP U

For Plan View
See Sheets No. 271 & 272

Scale : Hor. 1"=50'
Vert. 1"=5'



PROFILE - RAMP T

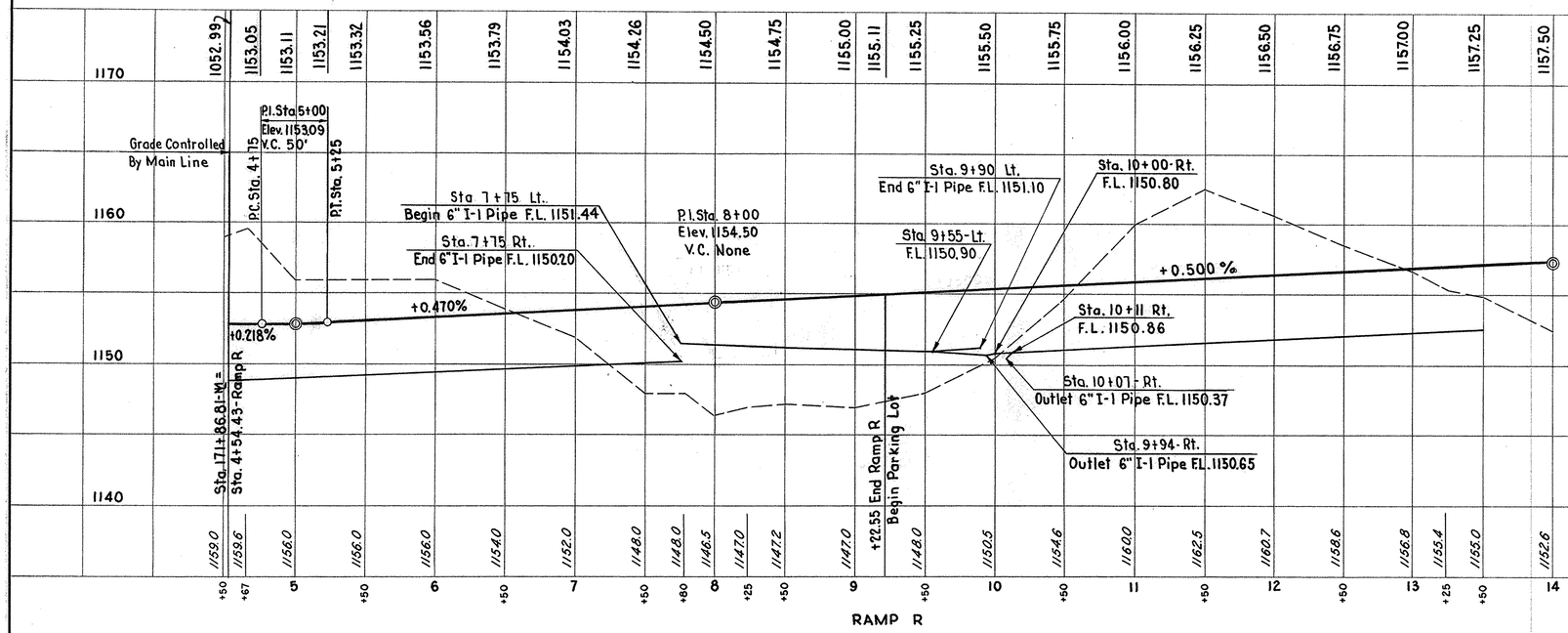
For Plan View
See Sheet No. 272 & 273

ROADSIDE REST PROFILE - RAMP T & U

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

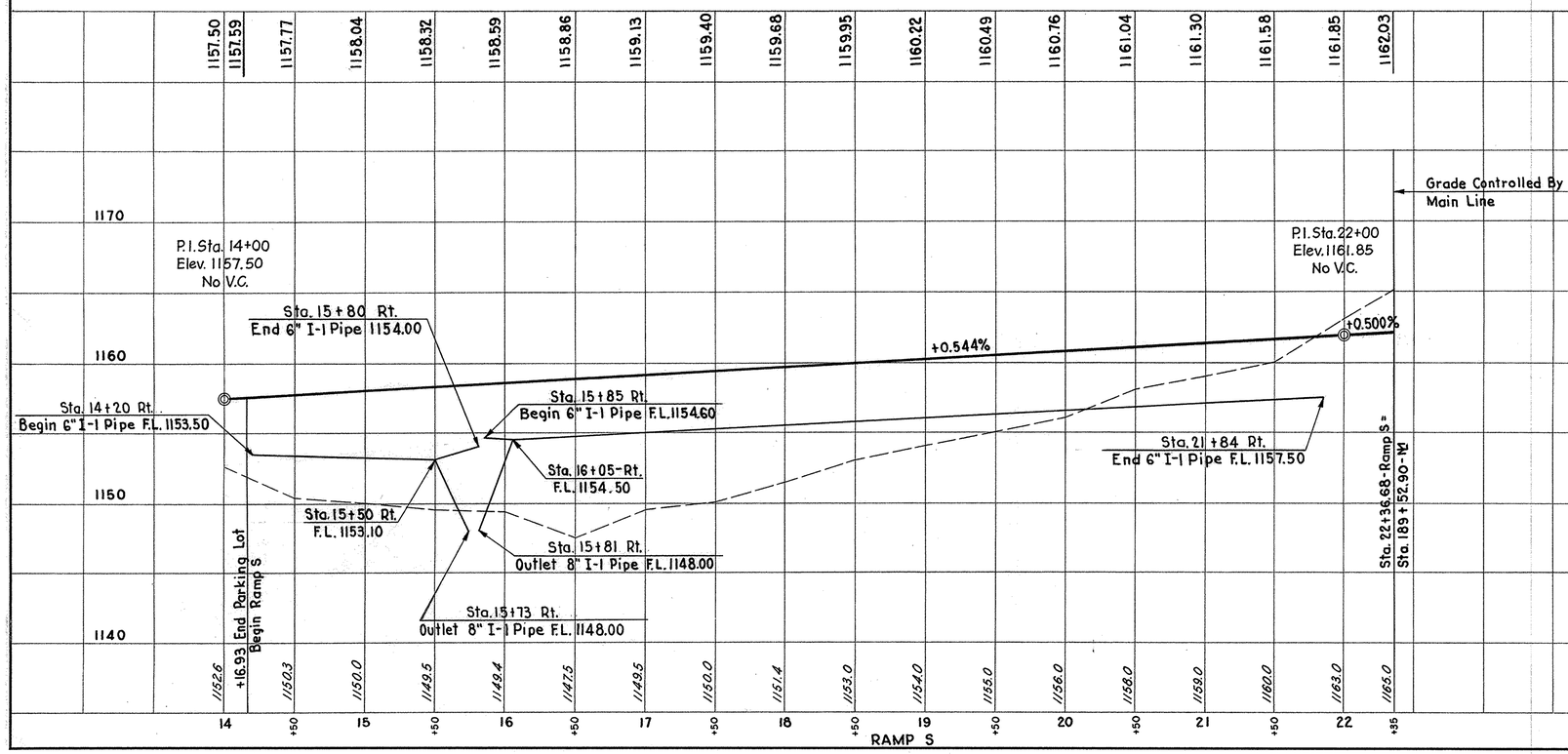
276

SUMMIT COUNTY
SUM-8-1.89



For Plan View
See Sheets No. 271 & 272

Scale : Hor. 1"=50'
Vert. 1"=5'



For Plan View
See Sheets No. 272 & 273

ROADSIDE REST PROFILE - RAMP R & S

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

SEWAGE TREATMENT PLANT
Elev. 1165.0

ROADSIDE TOILET & STORAGE UNIT
FLOOR ELEV. 1172.00'

Well Location
179+43 - 303' Left

El. 1171.50
El. 1171.00
El. 1171.50

10' R
75' R
5' R
10' R
10' R
75' R
5' R
10' R

10'
7" Concrete Walk
4" Concrete Walk
5'

Taper Curb From 9" to 6" in 15'
Standard Type 6 Curb
1170.02
5' Sidewalk
Taper Curb From 9" to 6" in 15'

Modified Special Concrete Curb See Sheet No. For Details

1168.50 1168.75 1168.97 1169.16 1169.30 1169.40 1169.45 1169.47 1169.44 1169.38 1169.27 1169.12 1168.92 1168.69 1168.44 1168.28

1168.30 1167.67 1168.12 1168.34 1168.53 1168.67 1168.77 1168.82 1168.84 1168.81 1168.75 1168.64 1168.49 1168.29 1168.06 1167.81

10' 10' 10' 10' 10' 10' 10' 10' 10' 40' 120' +70

Mod. Spec. Concrete Curb
3' Sidewalk
3' Sidewalk
25'

P.I. Sta. 10+48.61
Δ = 10°51'17" Rt.

20' 20' R 5' R 1167.55 1167.31 1167.73 1167.95 1168.14 1168.38 1168.38 1168.43 1168.45 1168.42 1168.36 1168.35 1168.10 1167.90 1167.67 1167.42 1167.16 1167.04 1167.22 20' 20' R 5' R

50' R 75' R 50' R +89

Taper Curb From 2" to 9" in 35'

1166.55 1166.40 8' 16' RAMP T 15

1166.23 1166.15 8'

50' R

Taper Curb From 2" to 9" in 35'

+77

P.C. Sta. 14+57.71

1168.99 1167.17 1167.39 1167.58 1167.72 1167.82 1167.87 1167.89 1167.86 1167.80 1167.69 1167.54 1167.34 1167.11 1166.86 1166.61

Modified Special Concrete Curb

Base Line

11 12 13 14

+97

36' 12' 12' 12'

RAMP U 9

1166.70 8' 1166.45 1166.54 1166.61 1166.38

Taper Curb From 2" to 9" in 35'

R 90.

+90.65

Modified Spec. Conc. Curb

DITCH

NOTE: All Elevations on 0+25 Stations Unless Otherwise Indicated.

LEGEND

Original Ground Contour
Proposed Contour
(A) Standard Longitudinal Joint
(B) Standard Key Joint - Without Tie Bars
(C) Expansion Joint - Without Dowels
(D) Standard Expansion Joint

SOUTHBOUND

Scale: 1" = 20"

177 178 179 Construction Center Line 180 I.R. 77 181 182

ROADSIDE REST AREA - SOUTHBOUND
PAVEMENT JOINTS & ELEVATIONS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

176 177 178 Construction Center Line 179 I.R. 77 180 181

NORTHBOUND

NOTE: All Elevations on 0+25 Stations Unless Otherwise Indicated.

LEGEND
Original Ground Contour
Proposed Contour
(A) Standard Longitudinal Joint
(B) Standard Key Joint - Without Tie Bars
(C) Expansion Joint - Without Dowels
(D) Standard Expansion Joint

P.T. Sta. 9+22.55
Taper Curb From 2" to 9" in 35'
RAMP R
Modified Special Concrete Curb
Base Line
3' Sidewalk
Modified Special Concrete Curb
3' Sidewalk
P.I. Sta. 13+31.65
Δ 12°16'06" Lt.
Taper Curb From 2" to 9" in 35'
RAMP S
Modified Special Concrete Curb
See Sheet No. For Details
5' Sidewalk
Taper Curb From 9" to 6" in 15'
Standard Type 6 Curb
4" Concrete Walk
Taper Curb From 9" to 6" in 15'
7" Concrete Wall
Well Location
179+50-308' Rt.
El. 1156.50
Roadside Toilet and Storage Unit Floor Elev. 1157.00
El. 1156.50
El. 1150.25
El. 1151.0 Invert
SEWAGE TREATMENT PLANT

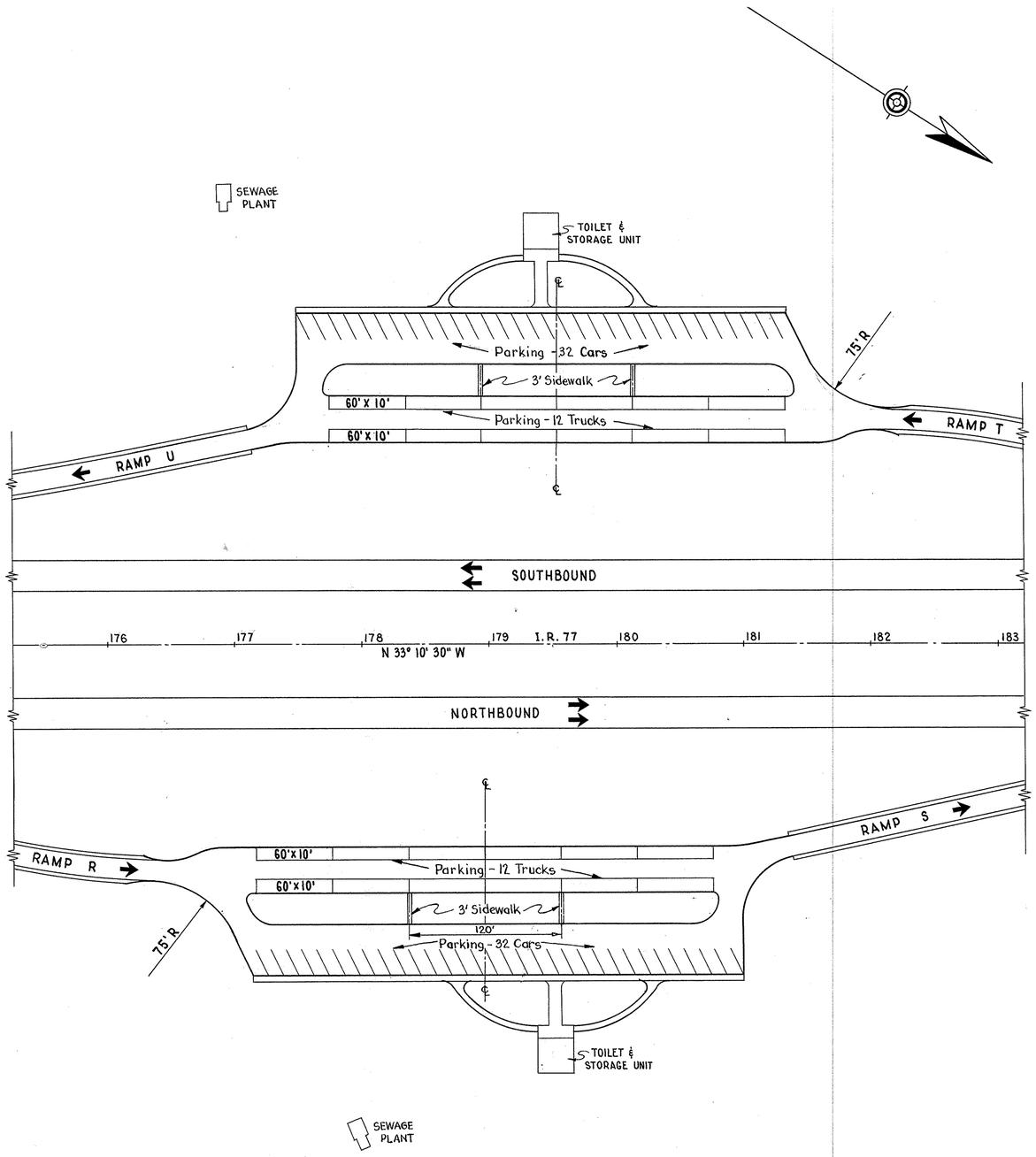
Scale: 1" = 20'

ROADSIDE REST AREA - NORTHBOUND
PAVEMENT JOINTS & ELEVATIONS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89



Scale: 1" = 50'

ROADSIDE REST AREA
PARKING AREA DETAIL

FED. RD DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM - 8 - 1.89

SECTIONS END WIDTH	SECTIONS SQ. FEET		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
91		Sta. 9+15 Ah.				
240		Sta. 9+15 Bk.				
	400					
240		L A				
		F.L. 1154.32				
		G-1165.88 Sta. 9+00 1155.7				
		F.L. 1153.88				
		Match Line See Mainline				
		Sta. 8+12 Begin L-10 Sodding Width 7.0'				
	2078		14	594		
					89	2319
		L A				
134		F.L. 1148.83				
		G-1163.11 Sta. 8+00 1152.0				
		F.L. 1153.41				
		Match Line See Mainline				
		Sta. 8+00-Lt. End L-10 Sodding Width 13.0'				
	1350		34	658		
					289	1682
		L A				
109		F.L. 1149.20				
		G-1159.65 Sta. 7+00 1154.0				
		F.L. 1152.94				
		Match Line See Mainline				
	1194		122	250		
					1248	463
		L A				
106		F.L. 1149.57				
		G-1155.93 Sta. 6+00 1159.0				
		F.L. 1153.24				
		Match Line See Mainline				
		Sta. 5+70-Lt. Begin L-10 Sodding Width 13.0'				
	627		552	0		
					1574	0
107		Sta. 5+47 Begin Project Seeding				
		Begin Earthwork Sta. 5+47	1052	0		
		Begin Ramp U Sections Sta. 5+47 See M Sta. 173+00				

180 160 140 120 100 80 60 40 20 0 20

CROSS SECTIONS RAMP U STA. 6+00 TO STA. 9+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM - 8 - 1.89

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
		522	32		
				2093	152
		608	50		
				1404	1119
		150	554		
				169	651
91	End Project Seeding Sta. 9+62.53	94	384		
481				125	1132
		14	594		
91	Sta. 9+15				

L A
264.34'

Bldg.

G-1168.29
Sta 12 +00
1168.5

F.L. 1155.29

Match Line
See Mainline

L A
264.34'

G-1167.98
Sta 11 +00
1171.0

F.L. 1152.82

Match Line
See Mainline

L A
280'

G-1167.07
Sta 10 +00
1163.9

F.L. 1154.34

Match Line
See Mainline

F.L. 1158.00

G-1166.70
Sta. 9 +62.53
1160.5

End Ramp U
Begin Parking Lot

F.L. 1154.17

Match Line
See Mainline

Sta. 9+00

Note: Rest Area Seeding From Sta. 9+15± to Sta. 15+10±
By Planimeter See Plan Sheet No. 283.

180 160 140 120 100 80 60 40 20 ℄ 20 40

CROSS SECTIONS PARKING LOT (LEFT)
& RAMP U STA. 9+62.53 TO STA. 12+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

SEEDING		END AREA		VOLUME	
END WIDTH	SQ YDS	CUT	FILL	CUT	FILL
138		56	448		
	691			117	603
156		94	322		
				464	685
		340	318		
				1974	682
		726	50		
				2311	152
		Sta. 12+00 522	32		

Sta. 15+55 - Lt.
End L-10 Sodding
Width = 10' End
Width = 18' Begin

F.L. 1156.00

G-1165.82
Sta 15 +00
1158 .5

F.L. 1156.69

Match Line
Rt. 79'

LA

264.34'

Begin Project Seeding
Sta. 14+57.71

Seeding Limit

F.L. 1160.00

Sta. 14+57.71
Begin L-10 Sodding
Width = 10'

G-1166.40
Sta. 14 +57.71
1161 .2

F.L. 1156.49

Match Line
Rt. 93.66'

LA

264.34'

G-1167.01
Sta 14 +00
1164 .0

F.L. 1156.22

Match Line
Rt. 91.56'

LA

264.34'

Note: Rest Area Seeding From Sta. 9+15± to Sta. 15+10±
By Planimeter See Plan Sheet No. 288.

G-1167.94
Sta 13 +00
1168 .2

F.L. 1155.75

Match Line
Rt. 91.66'

180 160 140 120 100 80 60 40 20 ℄ 20 40

CROSS SECTIONS PARKING LOT (LEFT)
& RAMP T STA. 13+00 TO STA. 15+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

283

SUMMIT COUNTY
SUM-8-1.89

SEEDING			END AREA		VOLUME	
END WIDTH	SQ. YDS.		CUT	FILL	CUT	FILL
71		End Project Seeding Sta. 18+70				
	568	End Ramp T See M Sections Sta. 18+70 Sta. 186+00				
		End Earthwork Sta. 18+70	4	230		
					23	547
75		L|A				
	978	F.L. 1155.00				
		G-1160.10 Sta 18+00 1156.0				
		F.L. 1158.10	14	192		
		Match Line Rt 32'				
		Sta. 17+55 - Lt. End L-10 Sodding Width = 18'				
					82	1126
101		L|A				
	1256	F.L. 1154.57				
		G-1161.44 Sta 17+00 1155.5				
		F.L. 1157.63	30	416		
		Match Line Rt 53'				
					182	2082
125		L|A				
	1461	F.L. 1154.04				
		G-1163.89 Sta 16+00 1155.5				
		F.L. 1157.16	68	708		
		Match Line Rt 76'				
					230	2141
138		Sta. 15+00				
			Sta. 15+00	56	448	

180 160 140 120 100 80 60 40 20 ℄ 20

CROSS SECTIONS RAMP T STA. 16+00 TO STA. 19+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM.- 8 - 1.89

SEEDING		END AREA		VOLUME	
END WIDTH	SQ YDS	CUT	FILL	CUT	FILL
		L/A			
377					
		267'			
		0	728		
	2739			0	2400
116		L/A			
		0	568		
1200				282	1207
		L/A			
100		152	84		
	1039			926	156
		348	0		
87				594	0
		L/A			
385		434	0		
82					

F.L. 1152.42
Match Line L1.82'
G-1155.00
Sta. 9 +00
1147.0

F.L. 1151.38
Match Line L1.65'
G-1154.50
Sta. 8 +00
1146.5

F.L. 1151.62
Match Line L1.47'
G-1154.03
Sta. 7 +00
1152.0
F.L. 1146.33

Match Line L1.36'
G-1153.56
Sta. 6 +00
1156.0
F.L. 1146.65

86.5' to M

Begin Project Seeding
Sta. 5+59

Begin Earthwork
Sta. 5+59

100 80 60 40 20 ℄ 20 40 60 80 100 120

CROSS SECTIONS RAMP R STA. 6+00 TO STA. 9+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM. - 8 - 1.89

SEEDING

STA.	END WIDTH	SQ. YDS.
376		
943		
377		

	END AREA		VOLUME	
STA.	CUT	FILL	CUT	FILL
966	0			
	LA			
			3085	96
	M			
700	52			
	LA			
			1296	1982
	M			
	0	1018		
			0	2516
	LA			
	0	736		
			0	611
Sta. 9+00	0	728		

Match Line-91.66' Lt.
F.L. 1154.96
G-1156.50
Sta 12 +00
1160.7

M 200' Rt.
Sta. 11+00

Match Line-91.66' Lt.
F.L. 1154.46
G-1156.00
Sta. 11 +00
1160.0

Existing

M 200' Rt
Sta. 10+00

Match Line-87' Lt.
F.L. 1153.50
G-1155.50
Sta 10 +00
1150.5

M

Match Line-87' Lt.
F.L. 1152.62
Sta. 9+22.55
End Project Seeding
G-1155.11
Sta. 9 +22.55
1147.3

LA
264.34'

Sta. 9+00

NOTE:
Rest Area Seeding From Sta. 9+22.55 to Sta. 17+85± by Planimeter
See Sheet No. 288

End Ramp R Begin Parking Lot

100 80 60 40 20 0 20 40 60 80 100 120 140

CROSS SECTIONS PARKING LOT (RIGHT) & RAMP R STA. 9+22.55 TO STA. 12+00

FED. RD. DIVISION	STATE	PROJECT	
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SUMMIT COUNTY
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SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
100	988	8	584	28	1588
114		10	448	6	280
		10	444	530	959
		276	74	2300	137
		966	0		

Match Line ~ 57' Lt.
← ½" Per Ft.
2:1
Seeding Limits
G-1158.04
Sta. 15+00
1150.0
LA 243'
FL= 1144.20

Sta. 14+16.93
Begin Project Seeding
Match Line ~ 75' Lt.
← ½" Per Ft.
Seeding Limit
4:1
G-1157.59
Sta. 14+16.93
1151.8
LA 290'
FL= 1142.86

End Parking Lot ~ Begin Ramp "S"

Sta. 13+58
Match Line ~
FL= 1155.88
← ½" Per Ft.
G-1157.50
Sta. 14+00
1152.6
LA 288'
FL= 1142.75

Match Line ~ 91.66'
FL= 1155.46
← ½" Per Ft.
G-1157.00
Sta. 13+00
1156.8
LA 264.34'

Sta. 12+00

CROSS SECTIONS PARKING LOT(RIGHT)
& RAMP S STA. 13+00 TO STA. 15+00

100 80 60 40 20 0 20 40 60 80 100 120 140

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SEEDING	
END WIDTH	SQ. YDS.
82	
89	
85	
1028	
100	
1111	
100	

END AREA		VOLUME	
CUT	FILL	CUT	FILL
102	236		
		179	1121
12	476		
		30	1911
4	556		
		22	2111
8	584		

End Project Seeding

Sta. 15+00

End Ramp "S" Sections Sta. 17+85
See M.L. Sta. 185+00

End Earthwork
Sta. 17+85

Sta. 15+00

Match Line ~ 29.5' Lt.

FL = 1158.90

Sta. 185+75 ~ M.L. Rt.
End L-10 Sodding
Width = 7.0'

Seeding Limit

LA

G-1159.13
Sta. 17 +00
1149.5

FL = 1148.00

Match Line ~ 37' Lt.

FL = 1157.10

Seeding Limits

LA

G-1158.59
Sta. 16 +00
1149.4

FL = 1147.14

Sta. 183+00 ~ M.L. Rt.
Begin L-10 Sodding
Width = 7.0'

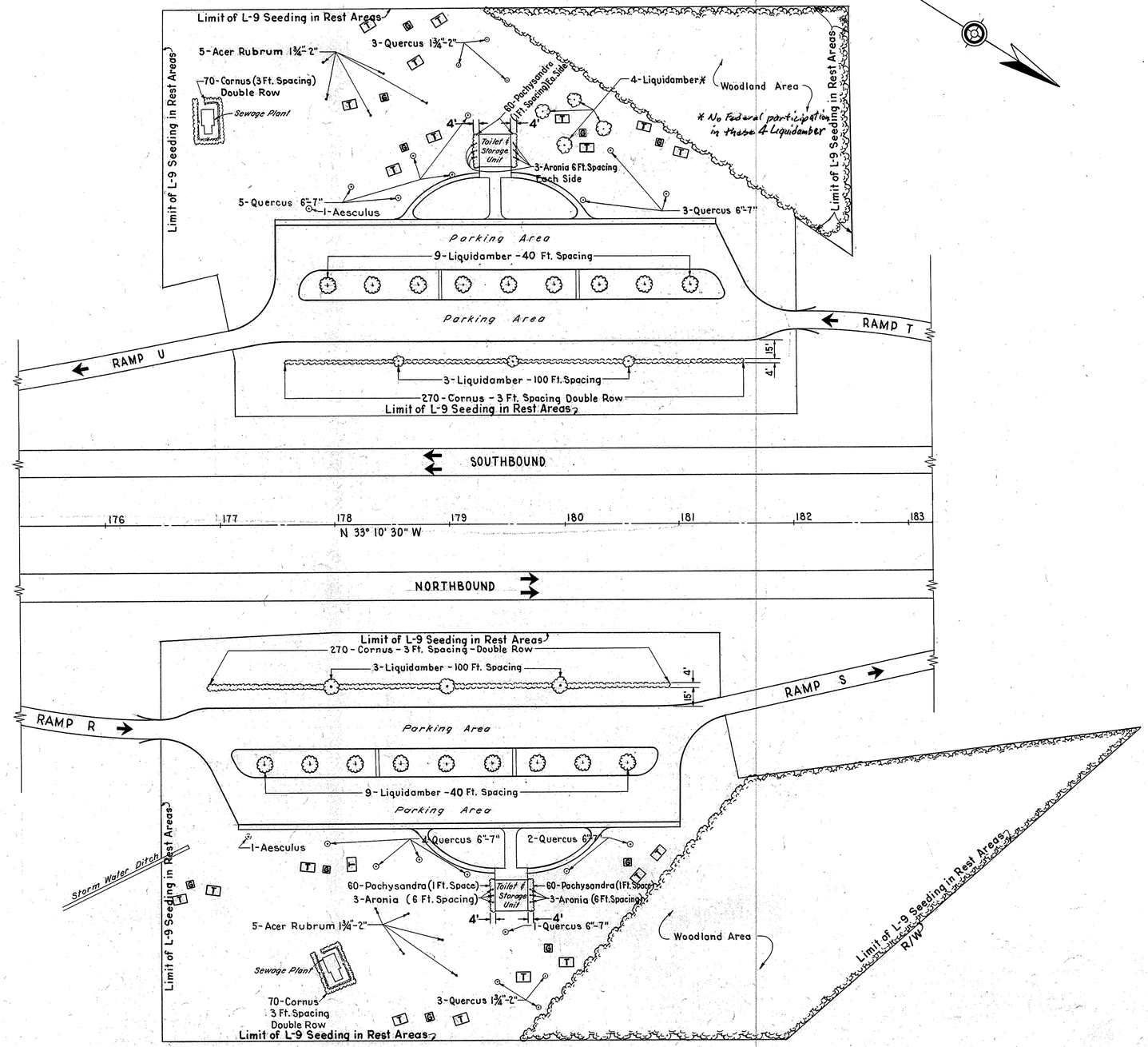
100 80 60 40 20 0 20 40 60 80 100 120

CROSS SECTIONS RAMP S STA 16+00 TO STA. 17+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89



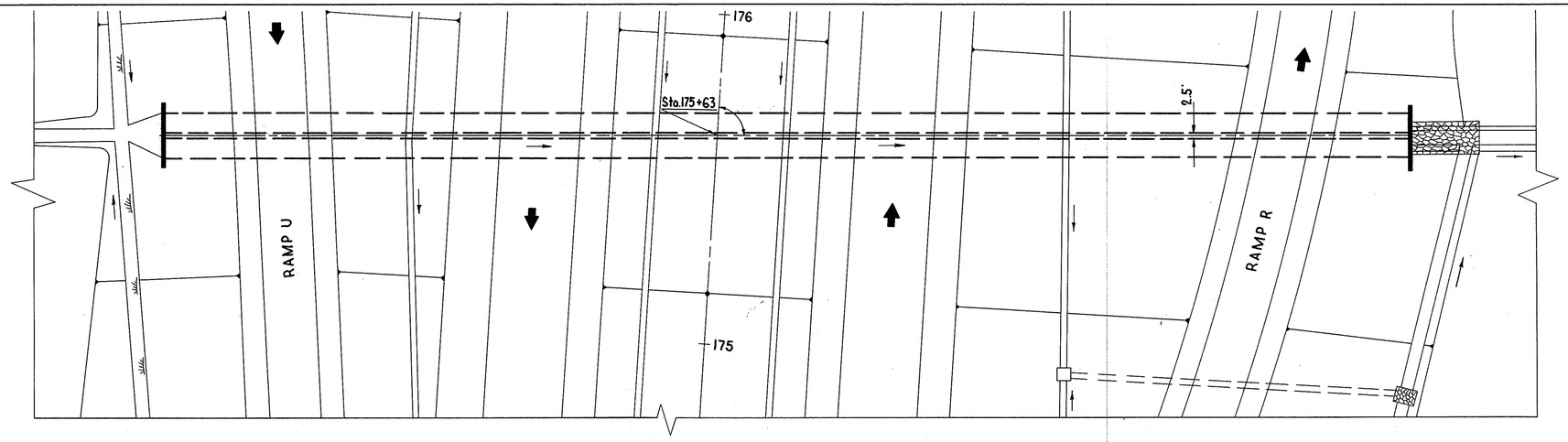
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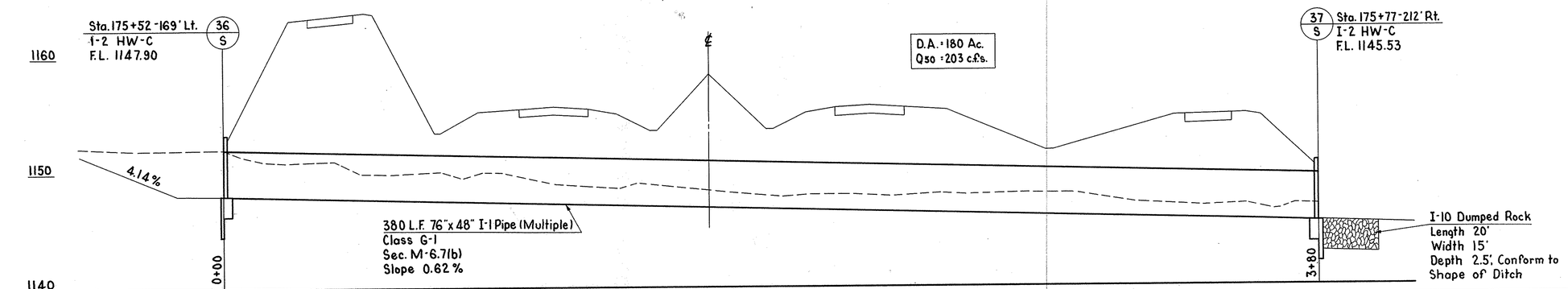
ROADSIDE REST AREA
PLANTING PLAN

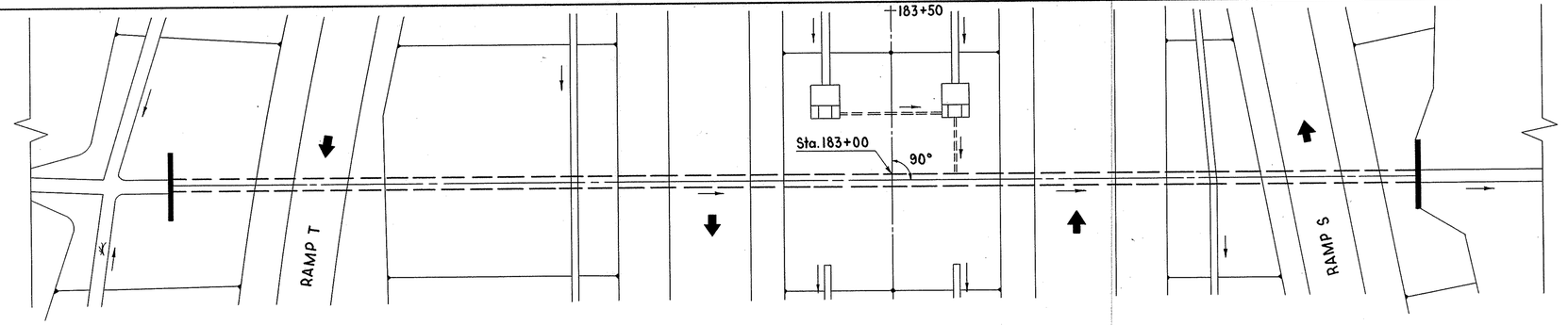
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

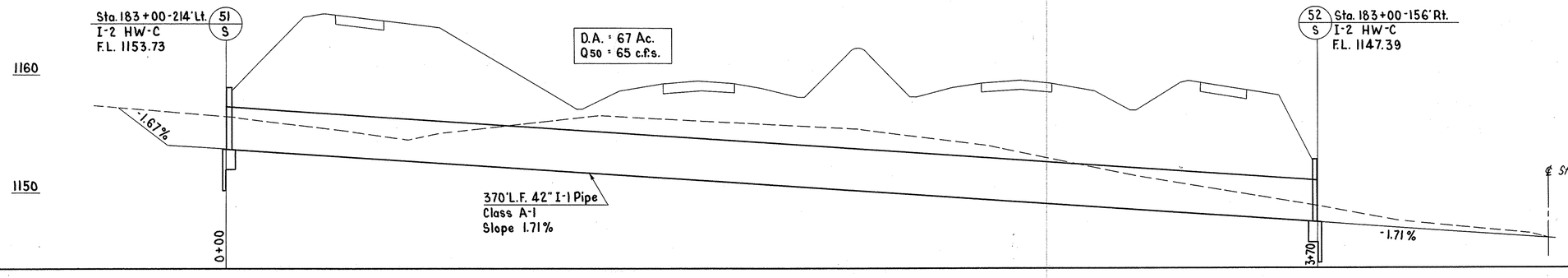
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SUMMIT COUNTY
SUM - 8 - 1.89







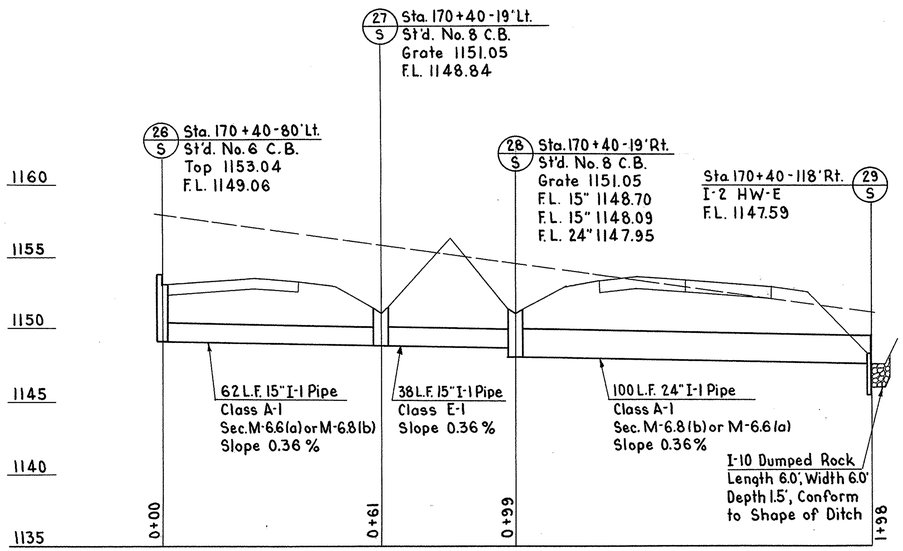


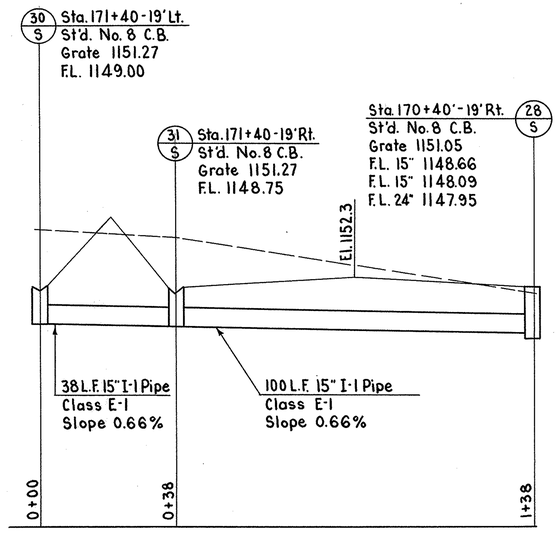
CULVERT DETAILS
REST AREA

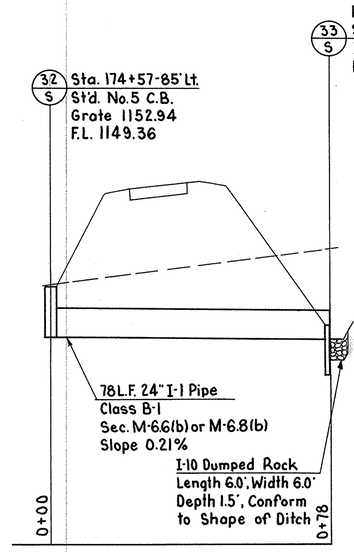
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

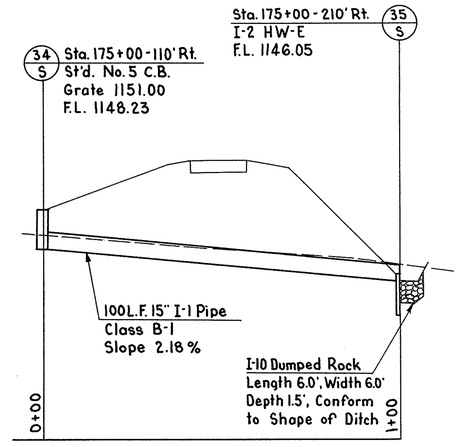
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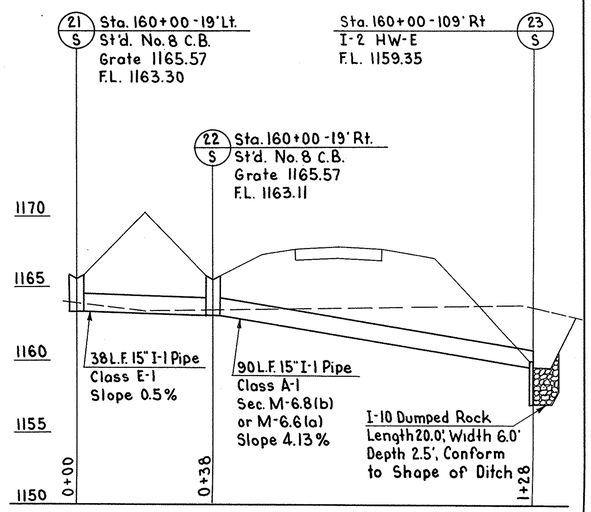
SUMMIT COUNTY
SUM-8-1.89

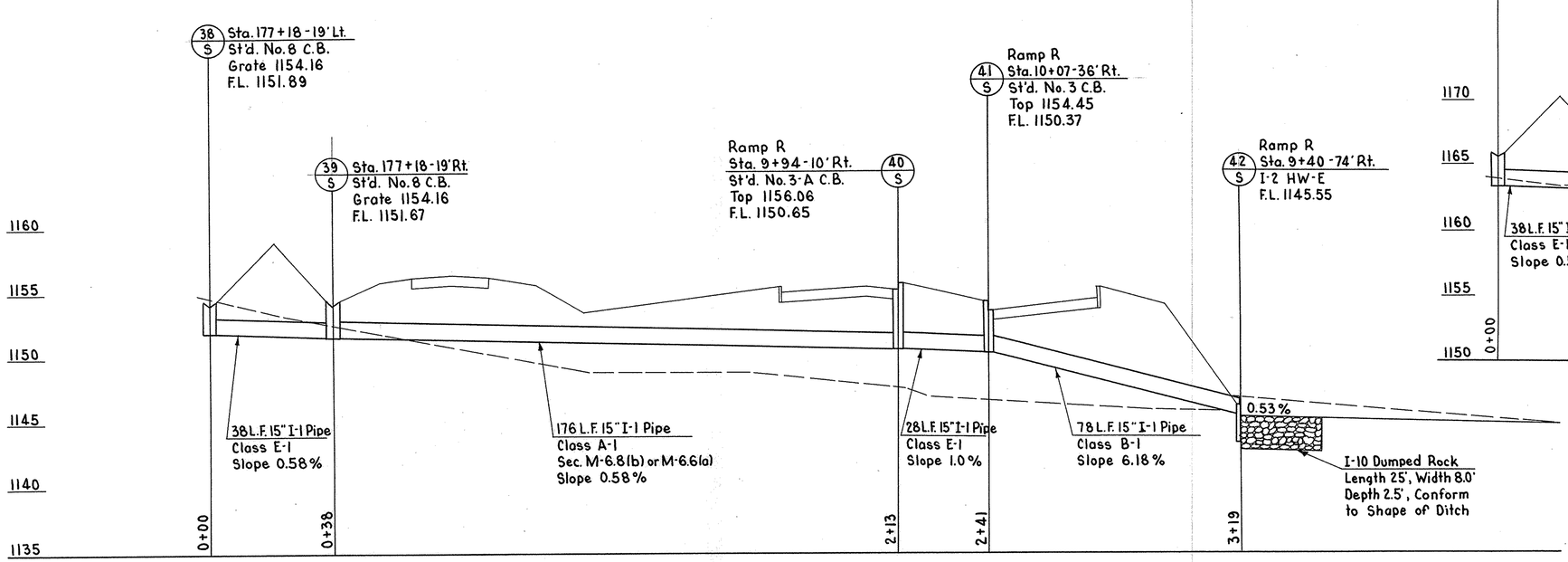












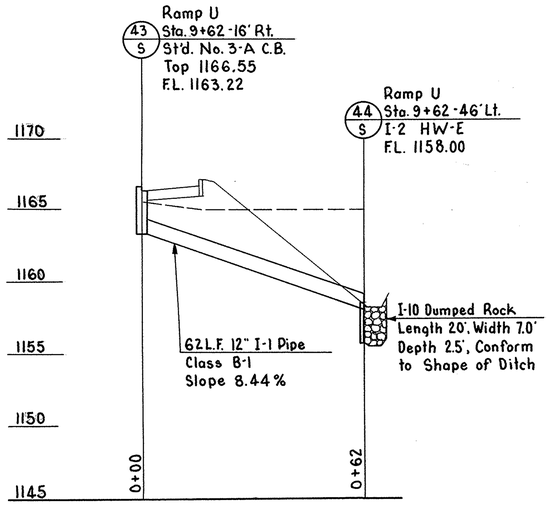
Scale: Hor. 1"=20'
Vert. 1"=5'

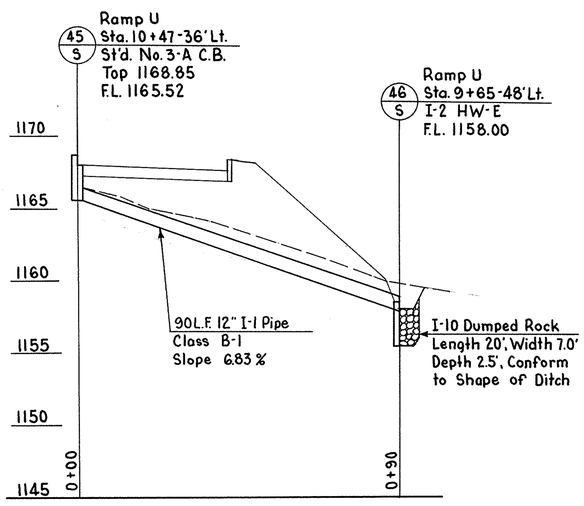
REST AREA
STORM SEWER PROFILES

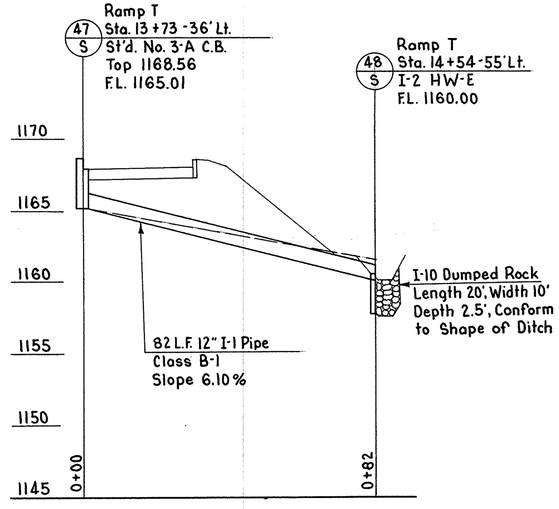
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

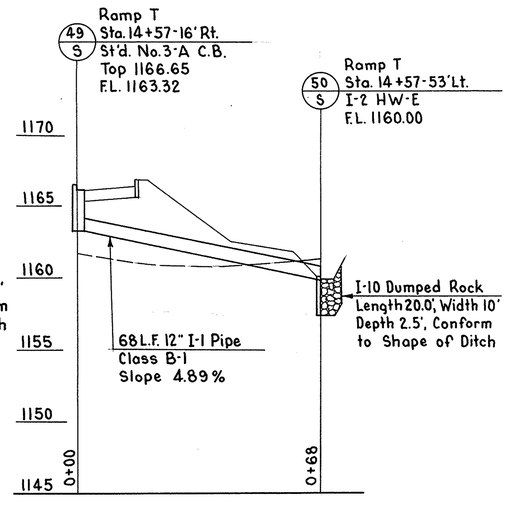
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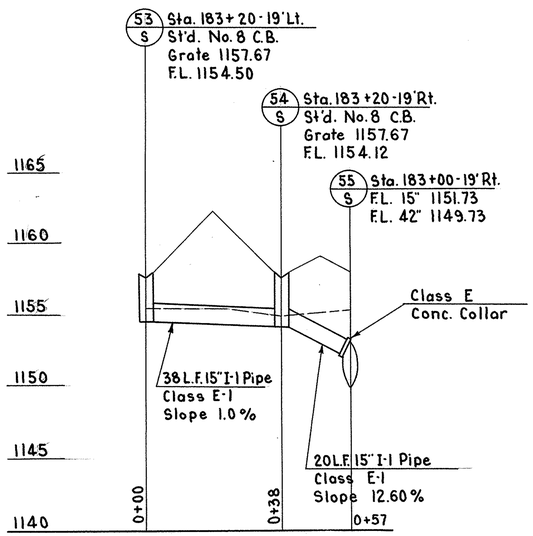
SUMMIT COUNTY
SUM-8-1.89

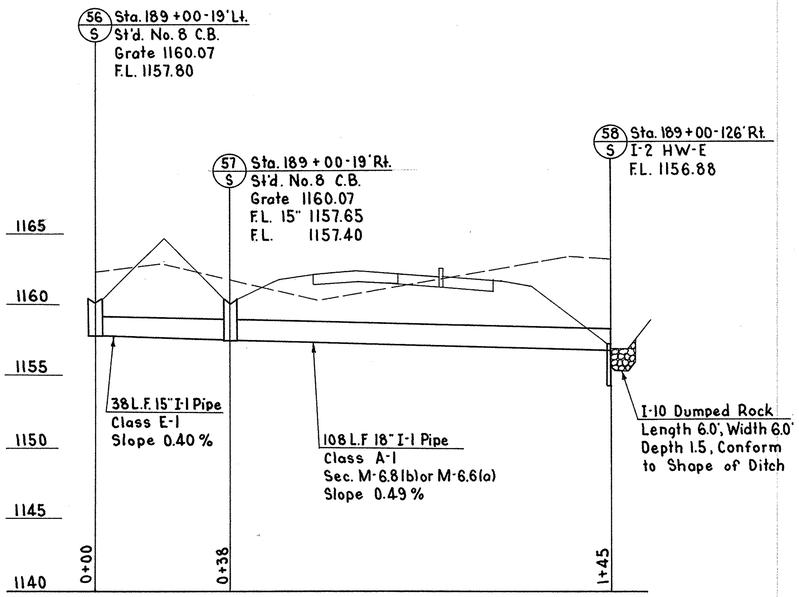


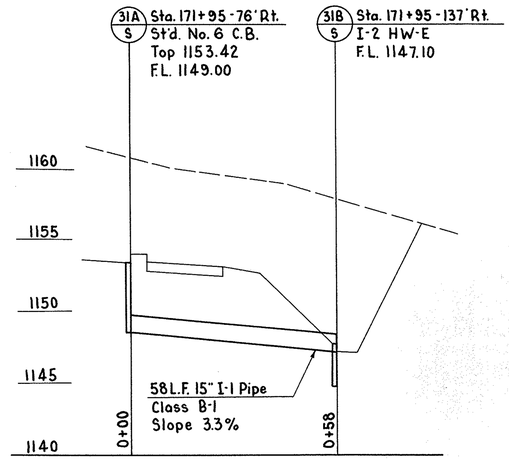












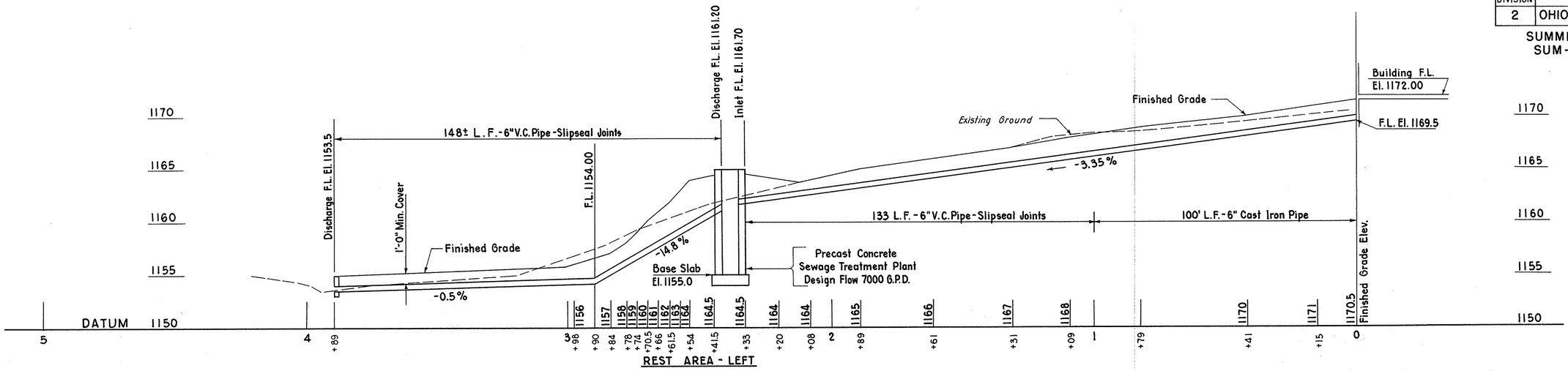
Scale: Hor. 1"=20'
Vert. 1"=5'

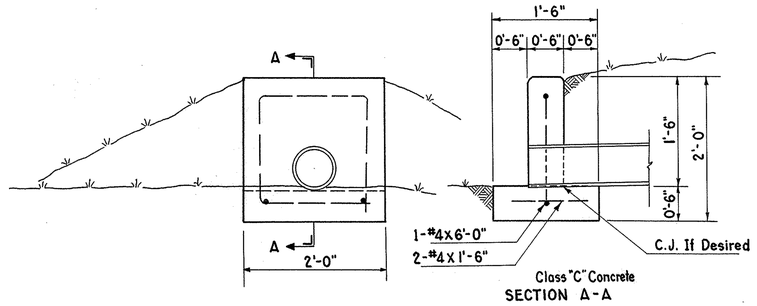
REST AREA
STORM SEWER PROFILES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

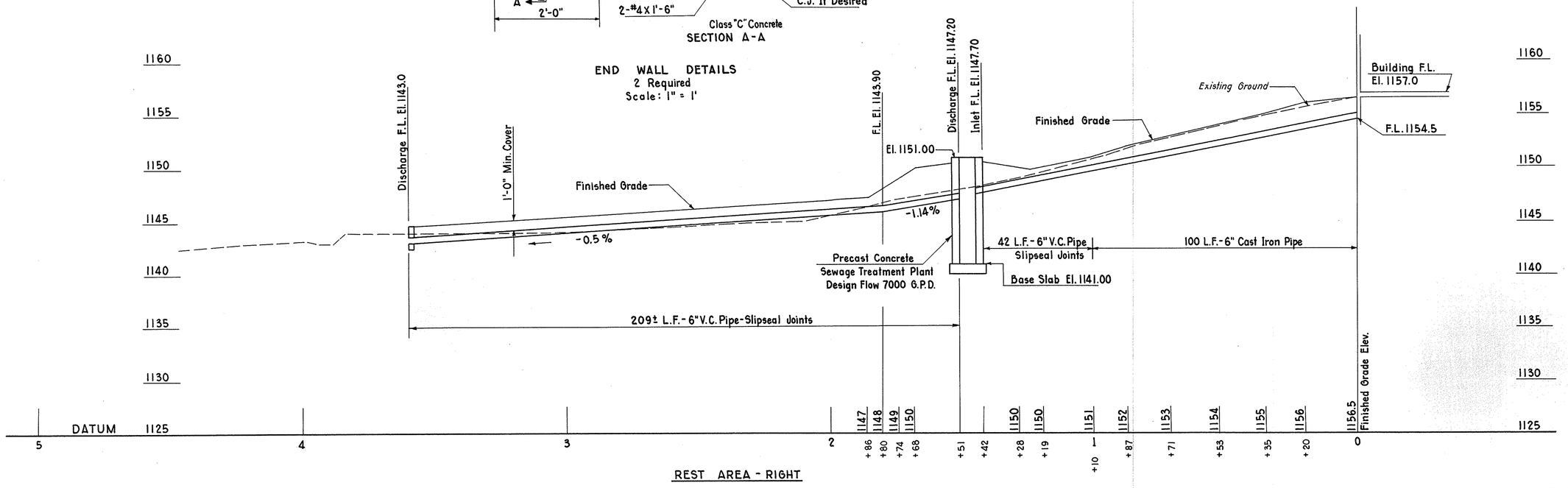




SECTION A-A

END WALL DETAILS
2 Required
Scale: 1" = 1'

NOTE: For Plan View
See Sheet No. 272



Scale: Hor. 1" = 20'
Vert. 1" = 5'

REST AREA
SANITARY DISPOSAL SYSTEM

SUMMIT COUNTY
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BILL OF MATERIALS

PAYMENT INCLUDED IN UNIT PRICE BID FOR "ITEM SPECIAL PRESSURE WATER SYSTEM".

1 MEYERS MODEL HC 100 JET PUMP COMPLETE OR EQUAL.
1 MEYERS EJECTOR PACKAGE #C 4C10 OR EQUAL.
1 MEYERS MODEL V120E VERTICAL "FIRE-CURED" EPOXY-COATED PRESSURE TANK OR EQUAL.
1 SANITARY WELL SEAL WITH WELL VENT. GALVANIZED PIPE AND FITTINGS FROM PUMP TO PRESSURE TANK.
PLASTIC OR GALVANIZED PIPE FROM PUMP TO EJECTOR. 4" CONCRETE PAD FOR PUMP AND PRESSURE TANK.

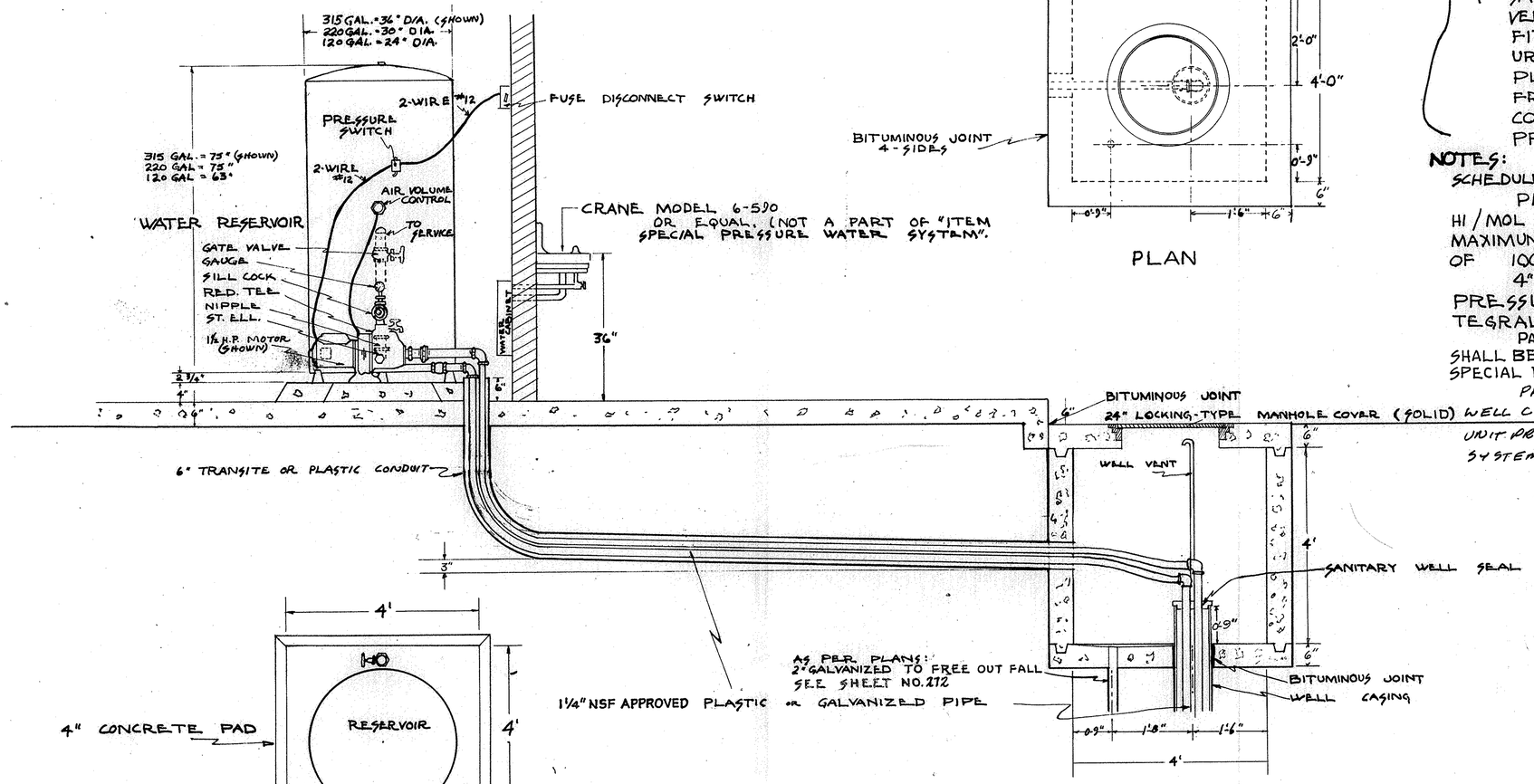
NOTES: GALVANIZED PIPE SHALL BE SCHEDULE 40 GRADE A-53.

PLASTIC PIPE SHALL BE CARLON HI/MOL OR EQUAL. PIPE SHALL HAVE A MAXIMUM CONTINUOUS WORKING PRESSURE OF 100 POUNDS AT 73°F TEMPERATURE.

4" CONCRETE PAD FOR PUMP AND PRESSURE TANK MAY BE POURED INTEGRAL WITH CONCRETE FLOORS.

PAYMENT FOR THE WELL PIT AND MANHOLE COVER SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL ROADSIDE TOILET AND STORAGE UNIT.

PAYMENT FOR CUTTING OR EXTENDING EXISTING WELL CASING IN PLACE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL "PRESSURE WATER SYSTEM"



SECTION

PLAN

PLAN

SCALE: ¾" = 1'-0"

BUREAU OF LOCATION & DESIGN
OHIO DEPARTMENT OF HIGHWAYS

ROADSIDE REST AREA WATER SYSTEM

DATE 6-15-60

STANDARD CONSTRUCTION DRAWING

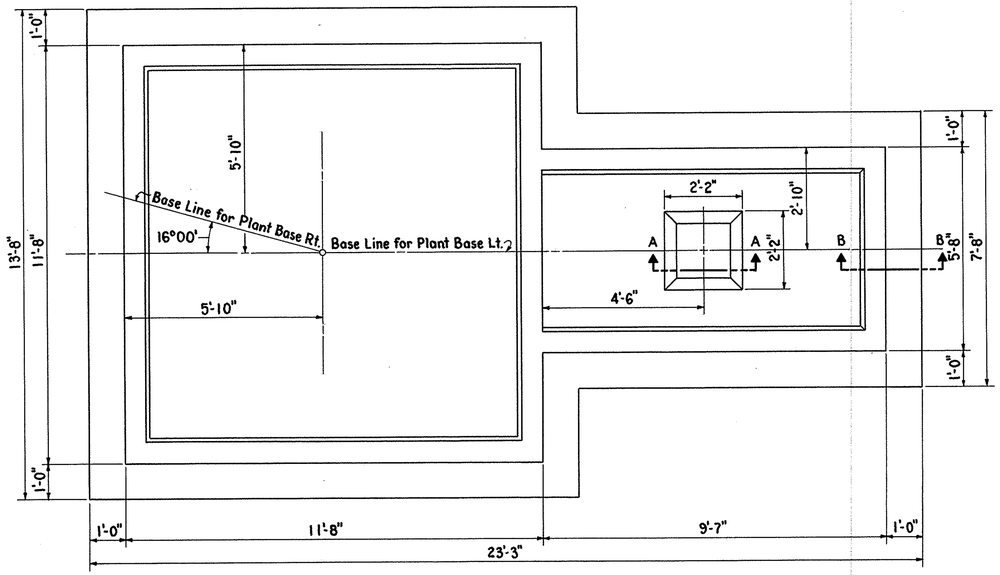
APPROVED

ENGR., L. & D.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

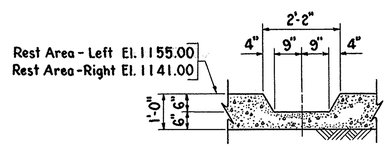
294

SUMMIT COUNTY
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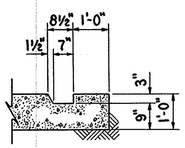


Type "B" Bar Mat or
Type "A" Mash Reinforcement

Concrete Class E



SECTION A-A



SECTION B-B

SEWAGE TREATMENT PLANT BASE

Scale: ½"=1'-0"
For 7000 Gallon Capacity Prefabricated
"Aerobic Sewage Treatment Plant"

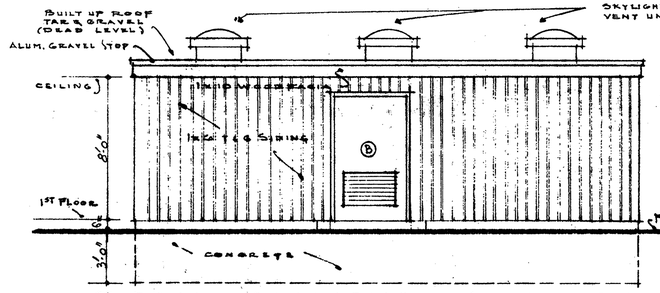
ROADSIDE REST AREA
SEWAGE TREATMENT PLANT BASE

SUMMIT COUNTY
SUM.-8-1.89

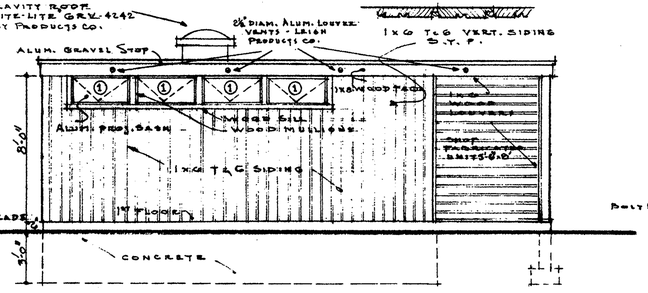
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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NOTE: ALL LUMBER, SIDING, ETC. TO BE PRESSURE TREATED - SEE SPECS.

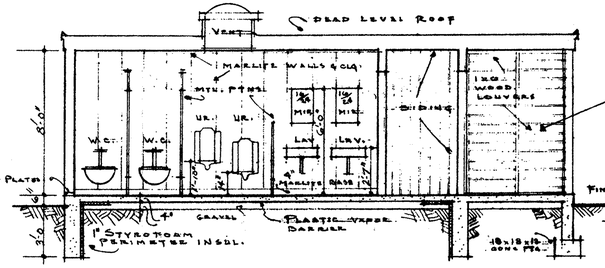


REAR ELEVATION - SCALE 1/4" = 1'-0"

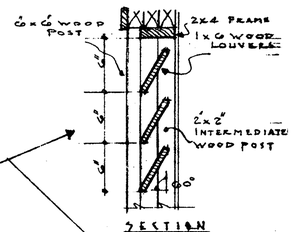


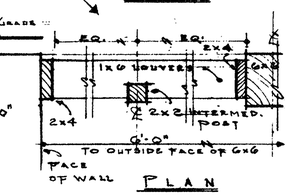
LEFT SIDE ELEVATION - SCALE 1/4" = 1'-0"

(RIGHT SIDE ELEVATION SAME OPPOSITE HAND)

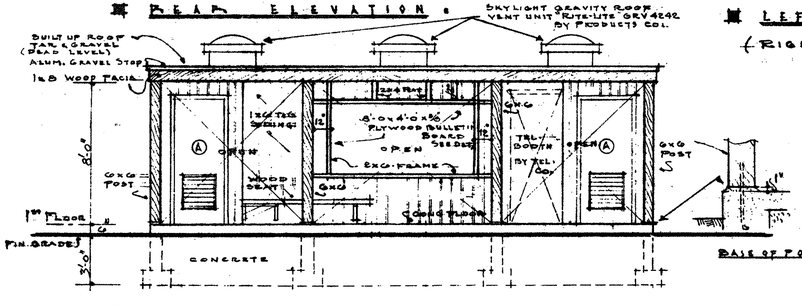


SECTION A-A - SCALE 1/4" = 1'-0"

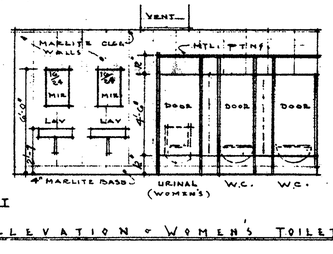




DETAILS OF LOUVERS
SCALE 1½" = 1'-0"
(SHOP FABRICATED UNIT)
5'-6" x 8'-0"

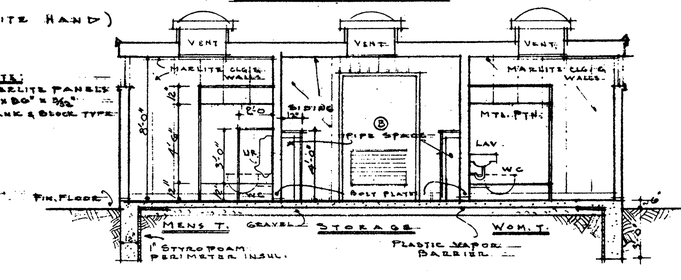


FRONT ELEVATION - SCALE - 1/4" = 1'-0"



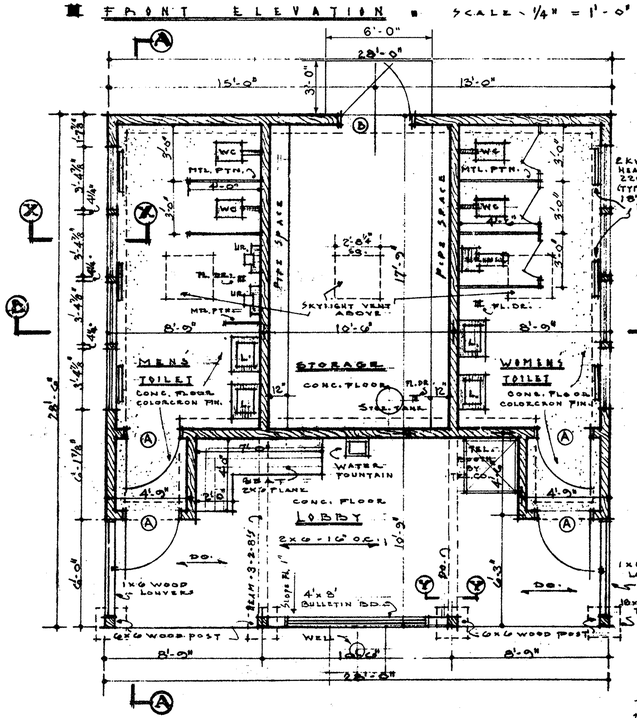
ELEVATION - WOMEN'S TOILET

NOTE: MARLITE PANELS 48" x 80" = 96" PLANK & BLOCK TYPE

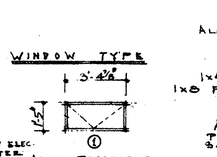


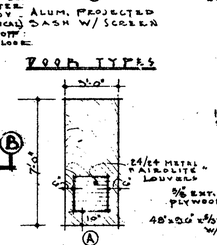
SECTION - B-B - SCALE 1/4" = 1'-0"

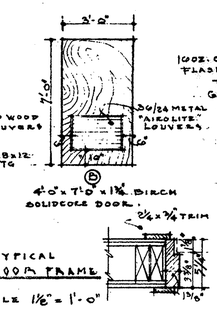
NOTE: Where Trade Names of Materials Are Given, An Approved Equal Product May Be Used.

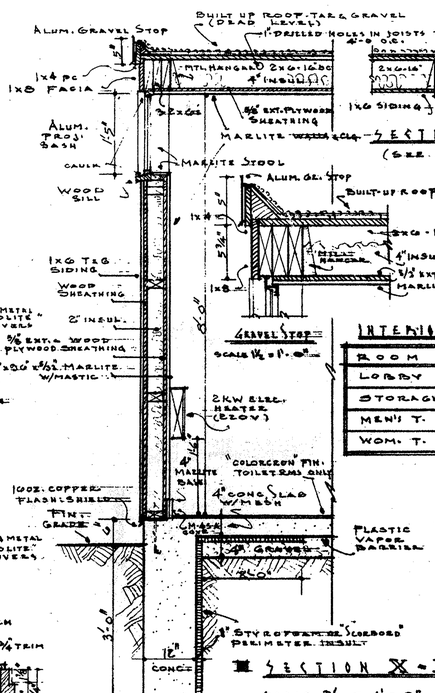


PLAN - SCALE - 1/4" = 1'-0"

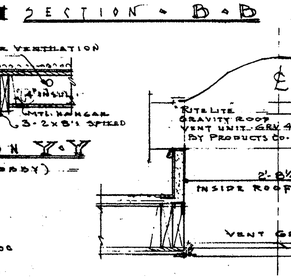




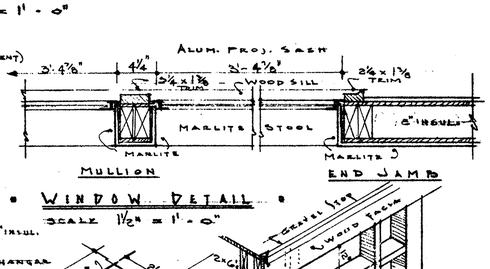


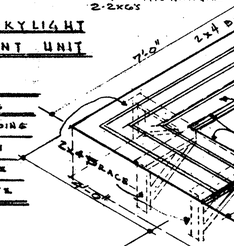


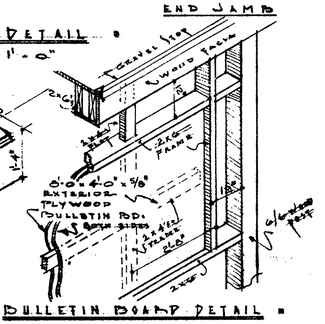
SECTION X-X - SCALE 3/4" = 1'-0"



SECTION THRU SKYLIGHT GRAVITY ROOF VENT UNIT
SCALE 1" = 1'-0"

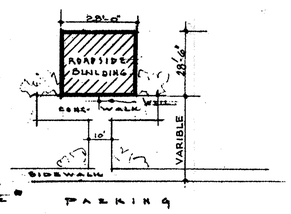




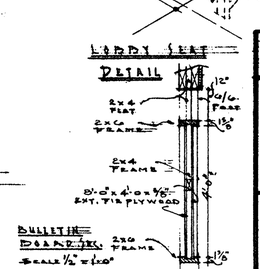


INTERIOR FINISH

ROOM	FLOOR	WALLS	CEILING
LOBBY	CONCRETE	WOOD SIDING	WOOD SIDING
STORAGE	CONCRETE	"	"
MEN'S T.	"COLORCRON" FIN.	MARLITE	MARLITE
WOM. T.	"	MARLITE	MARLITE



SITE PLAN - SCALE 1" = 30'-0"



BUREAU OF LOCATION AND DESIGN
OHIO DEPARTMENT OF HIGHWAYS

ROADSIDE TOILET AND STORAGE UNIT

DATE

STANDARD CONSTRUCTION DRAWING

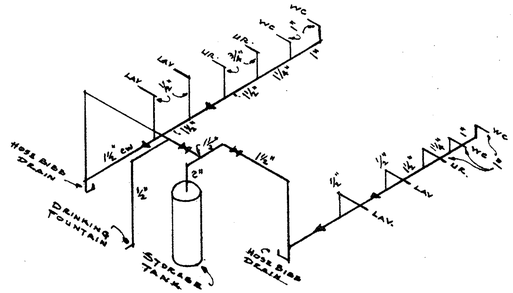
APPROVED

ENGR. L. & D.

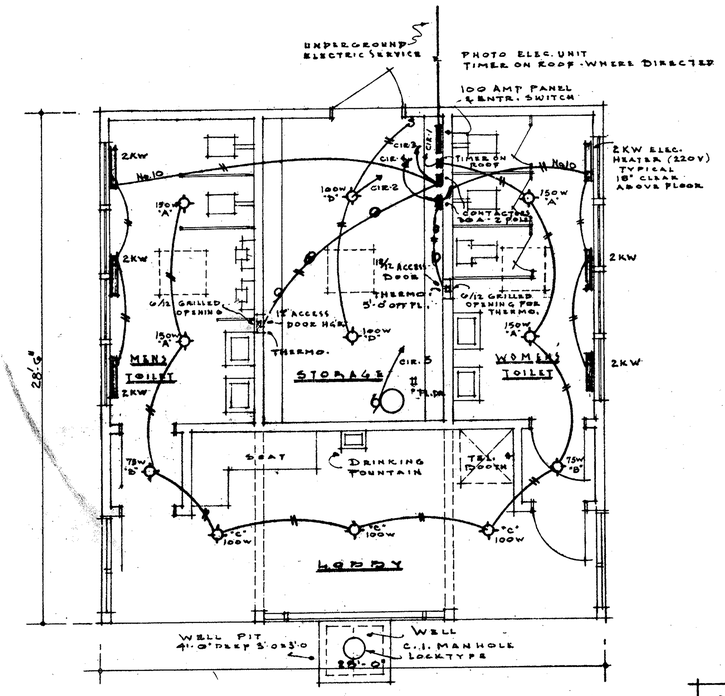
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

296

SUMMIT COUNTY
SUM.-8-1.89

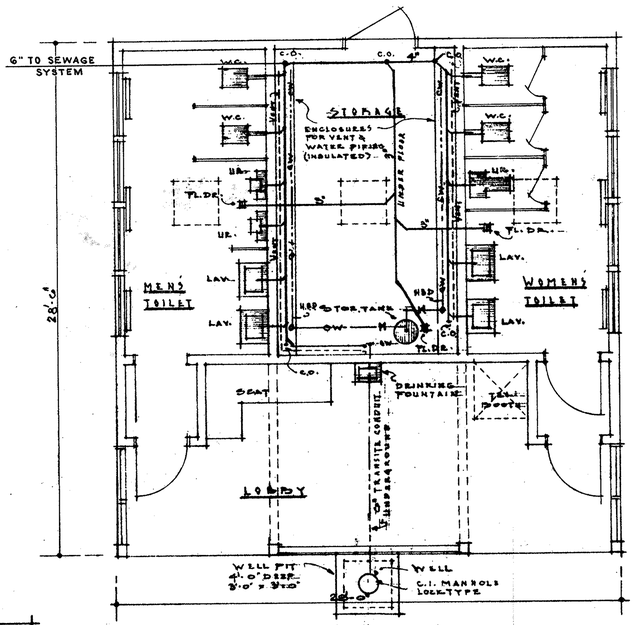


COLD WATER PIPING DIAGRAM
NO SCALE

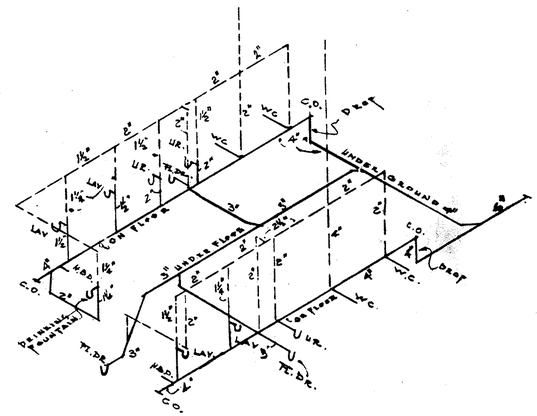


HEATING & ELECTRIC PLAN

SCALE - 1/4" = 1'-0"



PLUMBING PLAN



PLUMBING DIAGRAM
NO SCALE

BUREAU OF LOCATION AND DESIGN
OHIO DEPARTMENT OF HIGHWAYS

ROADSIDE TOILET AND STORAGE UNIT

DATE

STANDARD CONSTRUCTION DRAWING

APPROVED _____ ENGR. L & D.

8-SUM — 1.89

LOCATION PLAN

CANTON TO AKRON EXPRESSWAY
INTERSTATE 77 SUM-8-1.89
SUMMIT COUNTY, OHIO

GREEN TWP. R-9, T-12 Sec's. 25, 26, 23, 14, 15, 10, 9 & 4
SPRINGFIELD TWP. R-9, T-1, TRACT 1

This Improvement has been declared a Limited Access Highway from Canton, Ohio to Akron, Ohio by action of the Director of Highways and recorded in Volume Page of the Directors Journal persuant to law.

TWN OK Pitt 10-23-61

Received OCT 23 1961 19
Recorded OCT 24 1961 19
Book 61 Page 9-10
at 2:23 P.M.
Summit County Recorder
$8.70

2569

I 77 - 4(12) 105

LIMITED ACCESS HIGHWAY

I hereby certify that this plat is a true delineation of a survey made for the Ohio Department of Highways in 1961 by Michael Baker, Jr.
Michael Baker, Jr. Date May 29, 1961
Registered Land Surveyor, S-3424

STATE OF OHIO · MICHAEL BAKER, JR. · S3424 · REGISTERED SURVEYOR

1/2 R/W

NOTE:
THIS PLAT SUPERSEDES CENTERLINE PLAT RECORDED IN PLAT VOL-61 PGS-11 & 12 SUMMIT COUNTY RECORD OF PLATS AND IS RE-RECORDED FOR THE PURPOSE OF CORRECTING THE CENTERLINE DATA.

CERTIFICATE OF APPROVAL
Approved Lloyd L. Campbell
Date 7-3-61 Division Deputy Director

RECEIVED 19
RE-RECORDED 19
BOOK PAGE
SUMMIT COUNTY RECORDER

Scale in Feet 400 0 400 800

NOTE: True Bearings Established from Observation on Polaris.

BEGIN PROJECT Sta. 100+00

END PROJECT SUM.-8-1.89 Sta. 355+00

SEE INSERT

Sta. 84+96.80 — 1552.77' — Road C.R. 153 — SE¼ Sec. 26, SW¼ Sec. 25, NE¼ Sec. 26, NW¼ Sec. 25

125°36'15"

SW¼ Sec. 25, SE¼ Sec. 25 — 1085.66' — Greensburg — NW¼ Sec. 25, NE¼ Sec. 25

℄ INTERSTATE 77 — N 33°10'30" W — N 42°03'30" W — N 42°03'30" W

54°13'20" — 35°48'31" — 45°13'55" — 44°33'50" — 95°37'27" — 91°50'35" — 87°46'40" — 92°09'50" — 59°21' — 44°36'05"

Sta. 157+47.3

Sta. 150+65.96-M = Sta. 10+01.10 - Wise Rd. County Highway Sta. 53+23.56

Sta. 200+00-Graybill Road

Sta. 241+14.49-M = Sta. 19+96.25-Massillon Road

Sta. 292+49.66 M = Sta. 10+00 Turkefoot Lake Rd.

Sta. 316+00 Bk. = Sta. 317+00 Ahead

Sta. 360+67.42 Rt. 169.35

Sta. 358+46.53

Sta. 361+35.85

Wise Road T.R. 250 — W. to ℄ Max Rd. 1462'

Graybill Road T.R. 248 — W. to Massillon Rd. 2970'

Turkefoot Lake Road S.R. 619 — 1633.3' (by Deed)

Fence Line — Pickle Road — Arlington St. & W. Line Sec. 4 — Arlington St. & Twp. Line — Chenoweth Rd. — Coventry Twp. — Springfield Twp. — Green Twp. — Graybill Road — Massillon Rd. — Boettler Rd. — Robinwood Rd. — Greensburg — Wise Road — Pickle Road — Chenoweth Rd. — Graybill Road — Massillon Rd. — Robinwood Rd. — Boettler Rd. — Greensburg

P.C. Sta. 194+45.61 (by Deed) — 1241.46' — 556.36' — 172.90' — 181.98' — 200.76 — 795.37' — 983.46' — 1089.27'

P.I. Sta. 207+80.99
Δ = 8°53'00" Lt.
D = 0°20'00"
R = 17,188.73'
T = 1335.18'
L = 2665.00'
E = 51.78'

P.O.C. Sta. 200+09.87 = County Highway ℄ Sta. 29+26.27 Def. Angle Rt. 96°14'54" from Tan. to Curve

P.T. Sta. 221+10.81 Bk. = Sta. 221+11.75 Ah.

P.C. Sta. 345+29.85 — P.C. Sta. 345+29.85

P.I. Sta. 360+76.55
Δ = 43°12'00" Rt.
D = 1°28'00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

P.O.C. Sta. 200+03.14-M = Sta. 10+00-Graybill Road

Future Arlington St. Reloc. CH 15 — Future Ramp B — Future Ramp C-C — JARVIS ROAD RELOC.

RAMP J — RAMP K — RAMP L — RAMP M — RAMP R — RAMP S — RAMP T — RAMP U — RAMP A — RAMP C — REST AREA — REST AREA

Match Line — Match Line

NW¼ Sec. 25, SW¼ Sec. 24 — NE¼ Sec. 26, SE¼ Sec. 23 — SW¼ Sec. 23, NW¼ Sec. 23 — SE¼ Sec. 23, SW¼ Sec. 23 — NW¼ Sec. 23, SW¼ Sec. 14 — NE¼ Sec. 22, SE¼ Sec. 15 — NW¼ Sec. 15, SW¼ Sec. 10 — NE¼ Sec. 15, SE¼ Sec. 10 — NW¼ Sec. 15, SW¼ Sec. 10 — NE¼ Sec. 16, SE¼ Sec. 9 — SW¼ Sec. 10, NW¼ Sec. 10 — SE¼ Sec. 9, NE¼ Sec. 9 — SW¼ Sec. 9, NW¼ Sec. 9 — NW¼ Sec. 9, SW¼ Sec. 4 — NE¼ Sec. 9, SE¼ Sec. 4 — NE¼ Sec. 8, SE¼ Sec. 5 — SW¼ Sec. 14, NW¼ Sec. 14 — SE¼ Sec. 15, NE¼ Sec. 15

⊙ MONUMENT ASSEMBLY WILL BE SET DURING CONSTRUCTION ON CENTERLINE STATION SHOWN BELOW

Station	Location
105 + 00	℄
132 + 00	℄
157 + 47.30	℄
194 + 45.81	℄
Eq. 221 + 10.81 / 221 + 11.75	℄
246 + 00	℄
271 + 00	℄
291 + 00	℄
Eq. 316+00 / 317+00	℄
345 + 29.85	℄

263751
RECEIVED FOR RECORD JUNE 1 1961 At 12:10 o'clock P.M. Recorded JUNE 1 1961 Vol. 61 Page 40-41 Summit County, Ohio Recorder $8.70

TRANSFER NOT NECESSARY — TRANSFER NOT NECESSARY OCT 23 1961 C. I. Bower, County Auditor

Revised Dec. 19, 1961

INSERT No Scale

NOTES:
1. Upper 6" to be formed.
2. Concrete to be Class "C."
3. Monuments to be placed by Contractor.

CENTERLINE REFERENCE MONUMENT DETAIL (Not to Scale)

8" Min. — ½" Brass Rod 6" Long — 2" Below Ground Line — 36" — 6" — 8" Min.

S½ Sec. 4 T12N GREEN TWP. R9W
T1N SPRINGFIELD TWP. R10W
SOUTH BOUNDARY CONNECTICUT WESTERN RESERVE
T1N COVENTRY TWP. R11W
TRACT No. 1 — TRACT No. 13

RECEIVED R/W OCT 15 1961 State Highway Dept. Div. No. 4

R/W LOCATION PLAN

I-77

(*) Indicates that a parcel has been added at the end of summary

SUMMARY OF ADDITIONAL R/W REQUIRED

WISE Rd-N-To ARLINGTON ST

RECEIVED R/W SEP 19 1967 Akron Metropolitan Park Dist. Akron, Ohio

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

298

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

2/19 R/W

I.R. 77 SUM-8-1.89 SUMMIT COUNTY, OHIO TOTAL NO. OF OWNERS 99

PARCEL NO.	OWNER	DEED RECORD BOOK	DEED RECORD PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
100 LA	The Board of County Commissioners, Summit Co. Ohio	3700	84	59.81	8.20		47.19	(L) 4.42	4	
*101 LA	Agatha J. Ariss a.k.a. Agatha Ariss	3586	131	107.09	15.10		(L) 14.43	65.56	4 & 5	
102 LA	Joe Shewchik & Anna Shewchik	1993	640	107.48	10.49		87.11	8.04	5 & 6	
102	" " " " "				0.50				6	
102 A	" " " " "				0.40				6	
102 T	" " " " "				1.33				5 & 6	
103 LA	Steven A. Yarcheck & Mary Anne Yarcheck	3570	212	0.52	0.28			0.24	6	
103	a.k.a. Mary A. Yarcheck	3109	671	2.00	0.16		1.16		6	
103 WA	" " " " " " "								6	
*104 LA	Clayton Kepler	2094	231	110.00	28.38		56.83	24.03	7 & 8	
104	" "				0.36				6	
104 X	" "				0.01				8	
104 ALA	Blonna Brumbaugh	1774 1003	458 649	50.00	0.34		49.66		8	
105 LA	William Wise & Flossie Wise	1184	381	122.00	4.45		0.42	114.49	6 & 7	
105	" " " " " " " "	30	3	(Transcript)	1.71				(6	
105 A	" " " " " " " "				0.17				6 & 7	
*106 LA	Board of Education of Green Local School District	3891	396	17.73	1.11			16.62	8	
*107 LA	Walter E. Towner & Dorothy E. Towner	3406	237	109.00	14.15		13.58	79.38	8, 9 & 10	
107	" " " " " " "				1.03				9	
107 A	" " " " " " "				0.05				9	
107 WA-1	" " " " " " "								9	Also 107 WA-2
108	Clark C. Hoehn & Helen M. Hoehn	2462	528	13.48	0.21		12.98		9	
108 A	" " " " " " "				0.06				9	
108 WA	" " " " " " "								9	
109	Carl G. Wasson & Mary E. Wasson	3888	277	5.99	0.12		5.80		9	
110	Carl E. Brenneman & Neva E. Brenneman	2325	280	10.40	0.01		10.37		9	
111 LA	Clara Franks, Paul G. Franks, Russell Franks &	3903	150	161.26	13.62		72.26	74.64	9 & 10	
111	Marjorie R. Williams	3251	331		0.44				9	
111 X	" " " " " "	1904	121		0.43				10	
111A X	" " " " " "				0.47				10	
112 LA	John Heller & Marie Heller	929	538	15.00	1.58		13.37		10	
112	" " " " "				0.005				11	
113 LA	Lula W. Thorn	3506	552	4.48	1.33			(L) 3.16	10	
114 LA	E.C. Thorn	3506	548	1.61	0.97			(L) 0.64	10	
115 LA	William J. Thorn & Lula W. Thorn	3821	644	3.28	1.37		1.75		10, 11 & 12	
115	" " " " " " "				0.08				11	
115 WA	" " " " " " "								11	
116 LA	Ustes C. Thorn & Mary L. Thorn	2724	575	3.00	0.58		2.24		10	
116	" " " " " " "				0.08				11	
116 WA	" " " " " " "								11	
117 LA	William J. Thorn	2332	397	3.00	0.14		2.81		10	
117	" " "				0.02				11	
117 WA	" " "								11	
118	Lula Thorn	3405	288	0.459	0.03		0.36		11	
120 LA	Joseph R. Flaker & Mildred A. Flaker	3507	363	1.50	0.46		0.89		11 & 12	
120	" " " " " " "				0.09	Yes			11	
120 WA	" " " " " " "								11	
121 LA	Richard T. Methax & Verna Maxine Methax	4008	388	2.99	0.98	Yes		(L) 2.01	11 & 12	
*121A	David M. Stalnaker & Mable Stalnaker	3315	654	0.25	0.02		0.08		11	Also 121A-WA
122 LA	Victor M. Corder	3679	632	0.32	0.32				11 & 12	
123 LA	Charles L. Vickers	3501	21	0.72	0.29		0.43		11	
123 WA	" " "								11	

PARCEL NO.	OWNER	DEED RECORD BOOK	DEED RECORD PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
124 LA	Frank Wolverton	3110	423	5.00	1.97		0.26	(L) 2.50	11 & 12	
124	" " " " " "				0.15				11	
125	Everett P. Elliott	3818	617	0.72	0.15	Yes	0.47		11	
126 LA	Lloyd Grable & Dawn Grable	3383	80	38.36	2.81				11 & 12	Lots 7, 8, 9, 10 & 11
126A LA	" " " " "				0.13				12	Lot 15
126	" " " " "				0.26				12	Lots 1 & 2
126B LA	" " " " "				0.59				12	Lot 5
126C LA	" " " " "				0.07				12	Lot 2
127 LA	Stephen G. Lichtenberger & Barbara L. Lichtenberger	3699	516	Lot-13	0.43	Yes		0.08	12	
127 WA	" " " " " " "								12	
131 LA	Denzil C. Tatterson & Julia E. Tatterson	3419	169	0.70	0.63	Yes			12	
133 LA	Lucien P. Lamb & Janice L. Lamb	3700	274	Lot 26 103x232					12	Not Touched
134 LA	Peter P. Krajeck & Carmen V. Krajeck	3497	190	Lot-4	0.51	Yes		0.12	12	
135 LA	Harold L. Polen & Kathleen W. Polen	3419	171	Lot-3	0.39	Yes		0.24	12	
137	Eddie Robinson & Lilly Robinson	3393	158	0.68	0.15			0.46	12	
137 WA	" " " " "								12	
138	Dan W. Hoover & Martha A. Hoover	3061 3383	315 110	0.96 0.68	0.24			1.23	12	
139	Paul Pergl & Mary Pergl	3682	545	3.80	0.06			3.62	12	
*140 LA	Alta Stipe, Hazel L. Stipe, Martha A. Hoover & Harold R. Stipe	3892	316	45.053	13.42		20.29	8.94	11, 12 & 13	
140	" " "				0.34				12 & 13	
140 T	" " "				0.19				12	
*141	E.R. Bolin & Ethel Bolin	850	135	10.00	0.072		7.48		11	Also 141 WA
*142	Cleda McCutcheon & Marie McCutcheon	2210	407	1.00	0.02		0.93		11	Also 142 WA
143	Robert K. Burns	2058	551	2.50	0.02		2.37		11	
143 WA	" " "								11	
144	Kermit Harold Burns	1858	335	2.50					11	(P.R.O. Only)
142A	Clayton A. Motz & Evelyn M. Motz	3316	194	1.00	0.02		0.98		11	Also 142 WA
148 LA	Willard R. LaVoie & Vivian V. LaVoie	2648	664	89.75	1.50		88.14		13	
148	" " " " " " "				0.09				11	
150 LA	Ida L. Lyons, Lola H. Carr, E. Gladys Bowers & Dale F. Carr	3782	295	136.75	14.51				13 & 14	
150 X	" " " "	1538	1		0.04				14	
153 LA	Harold Forringer & Gladys Forringer	3782	526	14.79	2.54	Yes	12.25		14	
154 LA	Mary Hamrick	3785 3785	231 235	0.69 0.55	0.74	Yes		0.44	14	
156 LA	Vincent A. Olenick & Marie R. Olenick	2094	325	8.12	1.28		5.78	1.06	14	
165	Harry Strosaker & Mabel V. Strosaker	2530	438	3.01	0.04			2.87	15	
168 LA	Floyd M. Thomas & Florence Mabel Thomas	2450	666	2.00	1.33	Yes		0.67	14	
168	" " " " " " "								15	(P.R.O. 0.08 Ac.)
169 LA	Roy Beal & Margaret M. Beal	2327	48	3.61	1.98	Yes	1.23	0.21	14 & 15	
169	" " " " "				0.06				15	
170 LA	Robert G. Hoffman & Margaret E. Hoffman	2252	221	45.84	1.33		44.35		15	
170 WA	" " " " " " "								15	
173	Arnold V. Hall & Ruth N. Hall	2554	39	3.01	0.15			2.80	15	
*140A-LA	ALTA STIPE	3892 2073 4013	316 226 275		0.67				13	
174 LA	Dana York	1564	331	3.01	0.23	Yes		2.65	15	
174	" "				0.02				15	
174 T	" "				0.01				15	
175 LA	Ida M. Sowers	1316	583	3.01	0.76	Yes		2.15	15 & 16	
176 LA	Harry C. White & Jane C. White	2766	84	3.22	1.32	Yes		1.78	15 & 16	
*177 LA	Howard N. Marlow & Sue J. Marlow a.k.a.	3107 1899	201 31	1.57 2.00	0.24		2.88		15	
177	Sue Marlow				0.35				15	

REVISED PAR. 104-LA, 107-LA, 107-LA-A, 109-LA, 121-LA & 121-WA TO 11-22-61
Changed Name & Area 121-LA
Revised to Delete 121-WA

Revised Area Rel. 141 11-22-61
General Revisions 10-23-61

10-20-61 10-18-61

Deleted Parcel 173T
Parcel 105 Revised Area

Name Change Rel. 40-dd 3-23-70
Rel. 140A-LA ADDED-10-30-69

I-77

SUMMARY OF ADDITIONAL R/W REQUIRED

RECEIVED R/W OCT 18 1961 State Highway Dept. Div. No. 4

FED. ROAD DIVISION	STATE	PROJECT	
2	OHIO		

299

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

3/19 R/W

I.R. 77 SUM-8-1.89 SUMMIT COUNTY, OHIO TOTAL NO. OF OWNERS 99

PARCEL NO.	OWNER	DEED BOOK	DEED PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
178	Woodrow Jenkins	3181	198	2.00	0.18		1.73		15	
178 WA	" "	3164	557						15	
179	M. M. Carter	3818	360	1.029	0.04		.989		15	
180	WILLIAM G. Ray & Mary Ruth Ray	3496	450	0.5871			0.5471		15	(P.R.O. 0.04 Ac.)
184 LA	Okey L. Hardman & Snow Hardman	2052	273	3.99	2.12	Yes		1.40	16	
184	" " " " " "				0.34	Yes			15&16	
185 LA	Harry F. Suttle	2992	140	0.42	0.04		0.34		16	
185	" " " " " " "	3817	276	0.03	0.02				15	
185 T	" " " " " " "				0.02				15	
187 LA	William A. Burke & Corda D. Burke a.k.a.	2256 3312	461 526	3.00 2.00	2.94		1.62	(L)0.32	16	
187	Corda L. Burke				0.01				15	
188 LA	Ivor Leon Foss & Donna J. Foss	3311	498	2.00	0.12		1.88		16	
189 LA	Inez E. Pittman	2390	109	2.00	0.44		1.56		16	
190 LA	Melvin O. King & Helen King	3580	184	3.00	0.23		1.78		16	Deed area incorrect on Vol. 3580, Page 184 Former deed states 3.0077 acres.
193-LA 193-X	ROBERT D. FARRISS, WILLIAM D. FARRISS, BETTY L. GROSS, MARY IMOGENE BETTLER & HELEN R. HALSEY	4014	618	232.99	17.52 0.06	Yes	116.95	98.52	16 & 17	
194 LA	Charles S. Cromis & Agusta L. Cromis	2048	136	20.25	2.98		11.25	6.02	17	
195 LA	Garrett E. Blake	3297	450	20.70	3.62		7.57	9.51	17	
196 LA	James C. Young & Gerthia A. Young	3116	687	12.089	0.43			11.619	17	
196	" " " " " " "				0.04				17	
197 LA	James Edward Donovan	2048	460	2.50	0.67		1.83		17	
198 LA	Donald J. Reed & Alta O. Reed	2772	304	2.50	0.95		1.40		18	
198	" " " " " " "				0.08				18	
199 LA	Virgina Lee Brosch	1962	149	2.50	1.12		0.52		17	
199	" " " " " " "	3917	125		0.07				18	
199 A	" " " " " " "				0.10				18	
200 LA	DeWitt C. Morris & Ova M. Morris	1644	64	2.50	1.15		0.95	0.23	17&18	
200	" " " " " " "				0.10				18	
200 WA	" " " " " " "								18	
201	Arthur B. Coston & Patricia J. Coston	3306 1501	407 341	7.17				7.14	17	(P.R.O. 0.03 Ac.)
202 LA	Phyllis D. Blondheim	3051	617	1.25	0.84	Yes		0.41	17&18	
202 WA	" " "								17	
203 LA	Walter C. Ferrell & Ruth Ferrell	2651	124	0.92	0.34			0.58	17&18	
204 LA	Edmond H. Cromer & Hilda J. Cromer	3816	548	0.59	0.44	Yes	0.15		17&18	
205 LA	Glenn Benedum & Daisy Benedum	3406	19	1.25	0.34	Yes	0.74		18	
205	" " " " "				0.10				18	
205 WA	" " " " "								18	Drive
206 LA	GLADYS M. FERRELL & ESTATE OF WILLIAM J. FERRELL	2245	189	2.50	0.39	Yes	2.04		18	
206	" " " " " " "				0.04				18	
206 WA	" " " " " " "								18	Drive
207 LA	Ray A. Boyles & Minerva A. Boyles	2252	362	1.50	0.54	Yes		0.88	18	
207	" " " " " " "								18	(P.R.O. 0.06 Ac.)
208 LA	James E. D. Moore & Hazel E. Moore	2170	488	0.51	0.46	Yes			18	(Total Take)
209 LA	Albert P. Oborne & Ruth L. Oborne	2773	573	2.40	2.04	Yes			18	(Total Take)
210	James F. Docy & Elizabeth R. Docy	3789	645	0.32	0.06		0.22		18	
210 WA	" " " " " " "								18	Drive
211 LA	Doshie Sheaves	2381	514	5.42	2.74	Yes			18	
212 LA	Daniel Morris & Mildred E. Morris	2101	431	2.50	1.40	Yes		1.10	18	
213 LA	George Steiner & Susana Steiner	3387	639	2.50	1.42	Yes		1.08	18	
214 LA	Rudolph H. Holzschuh & Irene Holzschuh	2108	246	2.53	1.45	Yes		1.08	18	
215 LA	Violet R. Foutty	3101	680	2.50	1.41	Yes		1.09	18	
216 LA	Loyal R. Bussey & Anna M. Bussey	3371 1740	526 130	1.03 6.62	1.30			3.53	18	

PARCEL NO.	OWNER	DEED BOOK	DEED PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
217 LA	Robert A. Bussey & Carole Sue Bussey	3511	411	1.76	1.52	Yes		0.24	18	
218 LA	Loyal R. Bussey & Anna M. Bussey Reg. Land	68	21134	0.29	0.26				18	(Total Take)
219 LA	Harry Fischman & Ardith M. Fischman Reg. Land	106	32637	7.499	0.10			7.399	18	
219	" " " " " "				0.08				18&19	
219 WA	" " " " " "								18&19	
220	James P. Wilson & Helen Wilson Reg. Land	106	32492	5.08	0.14			4.63	19	
220 A	" " " " " "				0.19				19	
220 WA	" " " " " "								19	
221	MARY H. TREXLER	REG. LAND 112	34377	6.00	0.19			5.81	19	
222	Earl Sherman	3414 2989	678 323	5.72	1.22			4.44	19	
223	Richard P. Maxwell & Susan C. Maxwell	3510	218	1.00	0.11			0.82	19	
223 WA	" " " " " " "								19	Drive
224	Erwin Huber & Lois F. Huber	2725 2725	271 269	13.77	0.37			13.21	19	
224 WA	" " " " " "								19	Also 224 A WA
225	Albert R. Ruttig & Florence Ruttig	2726	404	4.51	0.06			4.37	19	
225 WA	" " " " " "								19	Drive
226	Aron Morgovan & Mildred Morgovan	2044	60	10.00	0.16			9.66	19	
226 WA	" " " " "								19	Drive
227	Margaret AnnaMae Raber	2059	481	5.00	0.06			4.85	19	
228	Aron Morgovan & Mildred Morgovan	1961	308	5.00	0.01			4.95	19	
101-Y	Agatha J. Ariss & Agatha Ariss				0.43				4&5	Channel
140AX	Alta Stipe, Hazel L. Stipe, Martha A. Hoover & Harold R. Stipe				0.06				11	
177 WA	Howard N. Marlow & Sue J. Marlow a.ka. Sue Marlow								15	
140AT	Alta Stipe, Hazel L. Stipe, Martha A. Hoover & Harold R. Stipe				0.03				13	
142 T	Cleda McCutcheon & Marie McCutcheon				0.01				11	
211	DOSHIE SHEAVES	2381	514	5.42	0.15				18	
121-A-LA	David M. Stalnaker & Mable Stalnaker				0.15				11&12	
141-S	E.R. Bolin & Ethel Bolin				0.038				11	
196A	JAMES EDWARD YOUNG & STELLA RUBY YOUNG	3953	418	0.621	0.02			0.601	17	
125 WA	EVERETT P. ELLIOTT								11	
177-SA	Howard N. Marlow & Sue J. Marlow a.ka. Sue Marlow								15	Septic Agreement
104-W.L.	CLAYTON KEPLER				30.45					Includes Par. 104-L.A.
104-W.S.	CLAYTON KEPLER				8.77				7,8 & 8-A	70.78 Acres Remain of 110.00 Acres.
104A-W.L.	BLONNA BRUMBAUGH				1.21					Includes Par. 104A-L.A.
104A-W.S.	BLONNA BRUMBAUGH				0.60				8&8-A	48.19 Acres Remain of 50.00 Acres.
106-W.L.	BD. OF EDUCATION., GREEN LOCAL SCHOOL DISTRICT				2.05					Includes Par. 106 L.A.
106-W.S.	BD. OF EDUCATION., GREEN LOCAL SCHOOL DISTRICT				2.23				8&8-A	13.45 Acres Remain of 17.73 Acres.
107-W.L.	WALTER E. & DOROTHY E. TOWNER				14.72					Includes Par. 107 L.A.
107-W.S.	WALTER E & DOROTHY E TOWNER				0.31				8,9,10 & 8-A	93.97 Acres Remain of 109.00 Acres.
106A-W.L.	ELIZABETH STEHLER				0.16					New Parcels
106A-W.S.	ELIZABETH STEHLER				0.27				8-A	14.11 Acres Remain of 14.54 Acres

3.14 Sum See R/W Plan For Full Details

ADDED PARCELS NUMBER 104-W.L., 104-W.S., 104A-W.L., 104A-W.S., 106-W.L., 106-W.S., 106A-W.L., 106A-W.S., 107-W.L. & 107-W.S. 9-1-67

12-23-63 Added Pcl. 177-SA
2-25-62 Added Pcl. 141-S
3-8-62 Added Pcl. 101-Y
REVISED AREA & RESIDUE

2-24-62 Added Pcl. 125 WA
11-22-61 Added Pcl. 196A
11-22-61 REVISED AREA & RESIDUE

11-30-61 ADDED PCL. 198-S
Added Pcl. 140-AX
Added Pcl. 121-A-LA

REVISED NAME PCL-193-LA
REVISED AREA & RESIDUE PCL-193-LA
REVISED DEED PCL-198-LA
REVISED NAME PCL-221 11-10-61
General Revisions 10-23-61

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

300

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

4 / 19

R/W

END AQUISITION LT. SUM-8-14.00 STA. 98+27.5
BEGIN AQUISITION LT. SUM-8-1.89 STA. 98+27.5

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 25
T-12 R-9

BOARD OF COUNTY COMMISIONERS OF SUMMIT COUNTY, OHIO
100 LA Cont. 8.20 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
NE. 1/4 SEC. 26
T-12 R-9

98+27.5 / 148.00'
109+64.7 / 150.00'
111+65.0 ℄
35°15'
111+50 / 150.00'
102+50 / 148.00'

Open Field
Limit of Construction
Fence, Type "D"
Wooded Area
Tree Line
Marsh
Wheat Field
Barley Field
Fence
N.E. 1/4 Sec. 26
N.W. 1/4 Sec. 25
N 33° 10' 30" W
98 99 100 101 102 103 104 105 106 107 108 109 110 111
STA. 112+00
MATCH LINE

BEGIN PROJECT SUM 8-1.89
END PROJECT SUM 8-0.00

100 LA Cont. 8.20 Ac.
101 LA 15.10 Ac.

PAUL A. WILLIAMS
&
GRACE M. WILLIAMS

END AQUISITION RT. SUM-8-14.00 STA. 102+50
BEGIN AQUISITION RT. SUM-8-1.89 STA. 102+50

WISE'S MAYFAIR ALLOTMENT

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 25
T-12 R-9

Tower No. 327

AGATHA J. ARISS
a.ka. AGATHA ARISS

LEGEND FOR R/W FENCE ASSEMBLY
- Proposed Right of Way Fence Type "C"
- Proposed Right of Way Fence Type "A" & "D"
- C.P.A. Corner Post Assembly
- E.P.A. End Post Assembly
- I.A.P.A. Intermediate Anchor Post Assembly

Sheet Completed Date: 3-20-61
Revised Date: 5-10-61
General Date: 10-16-61
Added Parcel 101X Date: 10-23-61
General Date: 6-28-62
Deleted 101-X
Added 101-Y

RECEIVED R/W OCT 18 1961 State Highway Dept. Dist. No. 4

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 26
T-12 R-9

113+60.5 / 150.00'
118+98.7 / 150.00'
120+24 / 150.00'
122+69 / 150.00'
117+94.8 ℄
54°45'
118+14.5 / 148.00' I.A.P.A.
119+64.5 / 102.00' I.A.P.A.
120+59 / 148.00' I.A.P.A.
119+60 / 115.00'
116+89.5 / 150.00'
118+15 / 150.00'
118+76.06 / 135.26
118+01.17 / 150'
113+87.0 / 150.00'
120+58.5 / 150.00'

Dead Trees
Live Wire Ground Line Wire
Ohio Edison Co. Easement Line
1204.00 1203.94 1243.37 Wire Elev. 1204.01 1204.21 1244.73 Wire Elev. 1204.21 1243.04 Wire Elev. 1203.94 1204.01 1204.01 1204.21
Road
Fence
Tree Line
Dead Trees
Earth
Ground Line Wire
Corn Field
Limit of Construction
Fence, Type "D"
Tower
125'
150'
75'
Open Field
Wooded Area
Marsh
Open Cultivated
Earth Road
60' Elm
36' Oaks
N.E. 1/4 Sec. 26
N.W. 1/4 Sec. 25
N.E. 1/4 Sec. 26
S.E. 1/4 Sec. 23
STA. 128+00
END SHEET
MATCH LINE

BOARD OF COUNTY COMMISSIONERS OF SUMMIT COUNTY, OHIO
100 LA Cont. 8.20 Ac.

101 LA Cont. 15.10 Ac.
AGATHA J. ARISS a.k.a. AGATHA ARISS

101 (Y) 0.43 Ac. CHANNEL

OHIO EDISON CO.
345 KV Power Line
Str No. 1
Tower #326

MATCH LINE
SEE SHEET 5 of 19

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 25
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 26
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 23
T-12 R-9

ITEM SS-18
TOTAL LIN. FT. R/W FENCE
TYPE "A"
TYPE "C"
TYPE "D"

STA. 98+00 TO STA. 128+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

301

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

5/19 R/W

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. ¼ SEC. 23
T-12 R-9

BEGIN SHEET STA. 128+00

END SHEET STA. 144+00

Open Field

AGATHA J. ARISS a.k.a. AGATHA ARISS

Marsh

Tree Line

Wooded Area

Tree Line

Trees & Brush

Open Cultivated

Open Cultivated

Limit of Construction

Open Field

Fence, Type "D"

Limit of Construction

Open Cultivated

Open Field

Fence, Type "D"

Tree Line

JOE SHEWCHIK & ANNA SHEWCHIK

(102 LA) T.B.A. 10.49 Ac.
P.R.O. 0.26 Ac.
Cont. 10.75 Ac.

(102 T) Cont. 1.33 Ac.

132+53 150.00'

136+79.5 150.00'

141+81 181.50'

142+07 225.00'

142+38 150.00'

142+50 200.00'

20" Cherry
18" Cherry
24" Cherry
30" Cherry
6" Cherry

O.B.T. Co. # 92722

Open Cultivated 1.33 Ac. T

Driveway

30" Quad Poplar

129 130 131 132 133 134 135 136 137 138 139 140 141 142 143

N 33°10'30"W

Marsh

(102 LA)

(101 LA)

LA

DWG

AGATHA J. ARISS a.k.a. AGATHA ARISS

(101 LA) Cont. 15.10 Ac.

N.E. ¼ Sec. 26
S.E. ¼ Sec. 23
N.W. ¼ Sec. 25
S.W. ¼ Sec. 24

MATCH LINE
SEE SHEET 4 of 19
(RIGHT of STA. 118+00)

(101 Y) 0.43 Ac. CHANNEL

SUMMIT COUNTY
GREEN TOWNSHIP
T-12 R-9

116+72.53 410'

117+26.23 436.77'

JOE SHEWCHIK & ANNA SHEWCHIK

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 4

Sheet Completed
Date: 3-20-61
Revised
Date: 5-10-61
General
Date: 10-16-61
Revised Access Rd. on
Parcel 102T
Date: 10-23-61
General

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. ¼ SEC. 23
T-12 R-9

STA. 128+00 TO STA. 144+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

302

6/19 R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 23
T-12 R-9

MATCH LINE INSERT

MATCH LINE SHEET NO. 7

END SHEET STA. 152

BEGIN SHEET STA. 144+00

WISE ROAD C.H. 250

N.W. 1/4 Sec. 23 — S.W. 1/4 Sec. 23

N.E. 1/4 Sec. 23 — S.E. 1/4 Sec. 23

S.W. 1/4 Sec. 23 — S.E. 1/4 Sec. 23

Open Field

Wooded Area

Marsh

Tree Line

Fence

Fence, Type "D"

Limit of Construction

Existg. R/W Line

Reloc. Drive Rt.

10' Gravel Drive

25' Reserved for Roadway

1½-Sty.-Wood & Stone Dwg.

6" Twin Elm

O.B.T.Co. Pole 24/27

O.B.T.Co. Pole 24/28

O.B.T.Co. Pole 24/30

O.B.T.Co. 24/31

O.B.T.Co. 14/32

O.B.T.Co. 24/33

O.E.Co. G.R. 2990

O.E.Co. G.R. 3448

O.E.Co. G.R. 3449

O.E.Co. G.R. 2371

O.E.Co. G.R. 2370

O.E.Co. G.R. 2361

O.B.T.Co. #92920

O.B.T.Co. #92721

O.B.T.Co. #92722

54°13'20" 151

N 33°10'30" W 148

150

149

147

146

145

154+61 / 455.00'

154+47.5 / 528.50'

154+50 / 626.00'

154+23 / 545.50'

153+84.5 / 650.00'

153+73.5 / 633.50'

154+20 / 588.50'

153+99 / 563.50'

153+53.5 / 283.50'

153+23 / 304.50'

152+99 / 364.50'

152+75.5 / 340.00'

152+68 / 148.00' C.P.A.

152+68 / 150.00'

152+40.5 / 322.50'

151+82 / 131.00' E.P.A.

151+82.5 / 293.00'

151+75 / 150.00'

151+44 / 131.00' E.P.A.

151+38.5 / 150.00'

150+81.5 / 282.00'

150+68 / 150.00'

150+68 / 148.00' I.A.P.A.

149+98 / 218.50'

149+94 / 131.00' E.P.A.

Sta. 150+67.85 M = Sta. 10+00 Wise Road

150+16.5 / 148.00' C.P.A.

150+16.5 / 150.00'

149+59 / 150.00'

149+21 / 150.00'

149+96 / 150.00'

149+55 / 131.00' E.P.A.

148+75 / 200.00'

148+66 / 150.00'

148+66 / 148.00' I.A.P.A.

147+57 / 80.50'

147+05.5 / 150.00'

147+56 / 514.50'

147+49.5 / 313.00'

146+83 / 585.00'

146+75.5 / 22.00'

146+68 / 451.00'

146+58 / 568.00'

146+34.5 / 550.50'

145+82 / 150.00'

156+84 / 761.00'

156+63.5 / 776.00'

156+38 / 794.00'

156+14.5 / 811.00'

156+03 / 819.00'

---

104 X — Cont. 0.01 Ac.

104 LA — Cont. 28.38 Ac.

104 — T.B.A. 0.36 Ac. P.R.O. 0.40 Ac. Cont. 0.76 Ac.

CLAYTON KEPLER

---

103 — T.B.A. 0.16 Ac. P.R.O. 0.23 Ac. Cont. 0.39 Ac.

103 WA

103 LA — Cont. 0.28 Ac.

STEVEN A. YARCHECK & MARY ANNE YARCHECK a.k.a. MARY A. YARCHECK

---

102 — T.B.A. 0.50 Ac. P.R.O. 0.33 Ac. Cont. 0.83 Ac.

102A — T.B.A. 0.40 Ac. P.R.O. 0.35 Ac. Cont. 0.75 Ac.

102 T — Cont. 1.33 Ac.

102 LA — T.B.A. 10.49 Ac. P.R.O. 0.26 Ac. Cont. 10.75 Ac.

JOE SHEWCHIK & ANNA SHEWCHIK

---

105 LA — T.B.A. 4.45 Ac. P.R.O. 0.26 Ac. Cont. 4.71 Ac.

105 — T.B.A. 0.20 Ac. P.R.O. 0.36 Ac. Cont. 0.57 Ac.

105A — T.B.A. 0.17 Ac. P.R.O. 0.14 Ac. Cont. 0.31 Ac.

WILLIAM WISE & FLOSSIE WISE

RECEIVED R/W OCT 18 1961 State Highway Dept. Div. No. 4

Sheet Completed Date: 3-20-61

Revised Date: 5-10-61
General
Date: 9-6-61
Added Access Rd. on Parcel 105
Date: 10-16-61
Revised Parcel 102T, Revised Reloc. Drive Rt. on Parcel 102T, Changed Acreage on Parcel 102T
Date: 10-18-61
Changed R/W Line & Acreage on Pcl. 105

General Revisions 10-23-61

STA. 144+00 TO STA. 152+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

303

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

7/19 R/W

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

CLAYTON KEPLER

Match Line Sheet No. 6

L-A

N. 33°-10'-30" W. 360.00'

Fence, Type "D"

Open Field

152+68
148.00'
C.P.A.

155+40
150.00'

Limit of Construction ?

159+00
150.00'

161+00
170.00'

N. 38°-53'-08" W. 201.00'

161+00
168.00'
I.A.P.A.

159+00
148.00'
I.A.P.A.

12" Elm
12" Elm
12" Elm
30" Elm

20" Elm

RAMP U

BEGIN SHEET STA. 152+00

MATCH LINE STA. 163+00

Tree Line

35°48'

157+50
℄

153 154 155 156 157 158 159 160 161 162

N 33°10'30"W

WILLIAM WISE & FLOSSIE WISE

105
T.B.A. 0.20 Ac.
P.R.O. 0.36 Ac.
Cont. 0.56 Ac.

105 LA
T.B.A. 4.45 Ac.
P.R.O. 0.26 Ac.
Cont. 4.71 Ac.

105A
T.B.A. 0.17 Ac.
P.R.O. 0.14 Ac.
Cont. 0.31 Ac.

CLAYTON KEPLER

104 LA
Cont. 28.38 Ac.

104
T.B.A. 0.36 Ac.
P.R.O. 0.40 Ac.
Cont. 0.76 Ac.

104 X
Cont. 0.01 Ac.

Open Field

Tree Line Fence

S. 02°-21'-46" W. 516.14'

Limit of Construction ?

Open Field

159+60
150.00'

Open Field

Fence, Type "D"

L-A

160+30
200.00'

WILLIAM WISE
&
FLOSSIE WISE

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 23
T-12 R-9

N.W. 1/4 Sec. 23
N.E. 1/4 Sec. 23

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

Pump House
Gas Well

Water Pump
10" Pine
Old Garage
2-Sty. Fr. Dwg.
1-Sty. Fr. Dwg.
15" Locust
16" Elm
24" Elm
24" Catalpa
2-24" Twin Elms
Shed
Out House
Wooded Area

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

N. 33°-10'-30" W. 900.00'

Fence, Type "D"

L-A

20" Apple
18" Apple
Oil Pond
4" Apple
Relief Valve
12" Apple
15" Apple
8" Elm
2" Gas Line
Pump House
10" Apple
10" Elm

170+00
170.00'

172+00
200.00'

N. 41°-42'-40" W. 202.24'

2041

L-A

170+00
168.00'
I.A.P.A.

Sta. 171+50 End Fence, Type "D"
Begin Rest Area Fence

204.0'
175.5'
258.0'
265.5'

Limit of Construction ?

104 LA

CLAYTON KEPLER

Tree Line

Open Field

RAMP U

6" Elm
12" Elm

164 165 166 167 168 169 170 171

N 33° 10' 30" W

4" Elm

Open Field

RAMP R

4" Elm
4" Elm
4" Elm

Limit of Construction ?

CLAYTON KEPLER

Fence

1040.00'
S. 33°-10'-30" E.

Fence, Type "D"

L-A

170+00
148.00'
I.A.P.A.

4" Elm

262.91'
S. 24°-38'-39" E.

L-A

170+00
150.00'

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

MATCH LINE STA. 163+00

SHEET END STA. 172+00

RECEIVED R/W
OCT 12 1961
State Highway Dept.
Div. No. 4

Sheet Completed
Date: April 18, 1961

Revised
Date: May 10, 1961
General
Date: 9-6-61
Added Access Rd.
on Parcel 105.
Added Park Fence
Offset.
Date: 10-23-61
General
Date: 9-1-67
Parcel 104 L.A.
Revised for Metes
& Bounds

STA. 152+00 TO STA. 172+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

304

8 / 19 R/W

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

Electrical Service for Rest Area to start from Pole at this approx. location as per Division conversation with Ohio Edison Co.

BEGIN SHEET STA. 172+00

END SHEET STA. 188+00

BLONNA BRUMBAUGH

CLAYTON KEPLER

REST AREA

WALTER E. TOWNER & DOROTHY E. TOWNER

BOARD OF EDUCATION OF GREEN LOCAL SCHOOL DISTRICT

Open Field

Open Field (Plowed)

Marsh

Tree Line

Fence

Rest Area Fence

Limit of Construction

Gate

Fence, Type "C"

Fence, Type "D"

Wooded Area

RAMP R

RAMP S

RAMP T

RAMP U

N 33°10'30" W

N.W. 1/4 Sec. 23
S.W. 1/4 Sec. 14

53°50'

104 LA Cont. 28.38 Ac.

104 X Cont. 0.01 Ac.

104 ~~T.B.A. 0.36 Ac.~~
~~P.R.O. 0.40 Ac.~~
~~Cont. 0.76 Ac.~~

104A LA Cont. 0.34 Ac.

106 LA Cont. 1.11 Ac.

107 LA
T.B.A. 14.15 Ac.
P.R.O. 0.29 Ac.
Cont. 14.44 Ac.

107
T.B.A. 1.03 Ac.
P.R.O. 0.51 Ac.
Cont. 1.54 Ac.

107A
T.B.A. 0.05 Ac.
P.R.O. 0.02 Ac.
Cont. 0.07 Ac.

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Dist. No. 4

R/W Plan Prior to 9-1-67

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 14
T-12 R-9

Sheet Completed
Date: April 18, 1961
Revised
Date: May 10, 1961
General
Date: 10-16-61
Changed Name on Parcel 106 LA, Reloc'd. Sewage Treatment Plants on Parcel 104 LA
Date: 10-23-61
General
Date: 9-1-67
Sheet Redrawn for addn'l. R/W at Roadside Park, see Sheet 8-A

STA. 172+00 TO STA. 188+00 — RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

305

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

9/19 R/W

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 14
T-12 R-9

Wooded Area

189+00
150.00'

N. 26° 27'-54" W.
342.35'

Tree Line

545.81'
N. 33°-10'-30" W.

WALTER E. TOWNER
&
DOROTHY E. TOWNER

2" Gas Line G #2041

Arc. = 603.38'
L.C. = 603.35'
R = 17,038.73'
N. 34°-11'-22" W

P.I. Sta. 207 + 80.99
Δ = 8° 53' 00" Lt.
D = 0° 20'
R = 17188.734'
T = 1335.18'
L = 2665.00'
E = 51.78'

189+00
148.00'
I.A.P.A.

Fence, Type "D"

Open Field

Limit of Construction

195+00
147.80'

P.C. Sta. 194 + 45.81

194+45.81
150.00'

RAMP T

STA. 188+00

STA. 198+00

189 190 191 192 193 194 195 196 197

N 33° 10' 30" W

107 LA

BEGIN SHEET

MATCH LINE

5 Trees 12" Elm

RAMP "S"

Open Field

14" Elm

194+45.81
168.00'
I.A.P.A.

188+00
170.00'

Limit of Construction

645.81'
S. 33°-10'-30" E

Fence, Type "D"

L.C. = S. 33°-58'-25" E.
483.91'

R=17,358.73'

194+45.81
170.00'

WALTER E. TOWNER
&
DOROTHY E. TOWNER

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 14
T-12 R-9

2" Gas Line G #1174

Sheet Completed
Date: April 18, 1961
Revised
Date: May 10, 1961
General
Date: 10-23-61
General
Date: 9-1-67
Par. 107 L.A.
Revised for
Metes & Bounds

P.I. Sta. 207 + 80.99
Δ = 8° 53' 00" Lt.
D = 0° 20'
R = 17188.734'
T = 1335.18'
L = 2665.00'
E = 51.78'

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 15
T-12 R-9

N. 02° 42'-57" E.
481.39'

END SHEET

STA. 202 + 00

CLARA FRANKS, PAUL C. FRANKS, RUSSELL FRANKS & MARJORIE R. WILLIAMS — (111 LA) Cont. 13.62 Ac. T.B.A. 0.44 Ac. (111) P.R.O. 0.30 Ac. Cont. 0.74 Ac.

Open Field

200+92
150.00'

200+54.5
150.00'

20" TPL #351

3" Gas Line G #696

Fence

200+43
150.00'

200+36.5
142.00'
E.P.A.

Markers

LA

201

N 33° 10' 30" W

R=17,338.73'
Arc.= 330.83'

201+00
150.00'

201+00
148.00'

200+45
154.00'
I.A.P.A.

Sta. 200+05.14 M = Sta. 10+00 Graybill Rd.

200+45
156.00'

200+00
142.00'
E.P.A.

177.76'

Fence, Type "D"

95° 51' 05"

O.B.T.Co. 450/13

199+84
163.50'

200+01.5
161.00'

Limit of Construction

199+80
330.00'

199+61.5
324.00'

199+80
502.50'

O.B.T.Co. 450/12

6" Twin Wild Cherry

Existg. R/W Line 2

199+82
652.00'

199+39
561.00'

199+09
595.50'

WA

107 WA-2

199+04
611.50'

197+87.5
704.50'

198+25
723.00'

R/W

C.H. 248

S. 48° 30' 20" E.

199+70
142.00
E.P.A.

199+61
166.00'

199+25
168.00'
I.A.P.A.

199+25
170.00'

199+18
220.00'

199+41.5
324.00'

107

198+53.5
419.00'

198+99
591.50'

198+81.5
584.00'

198+63.5
576.00'

198+34.5
478.00'

198+10
555.00'

197+80.5
700.00'

198+06.5
714.50'

198+03
402.00'

197+83
461.00'

O.B.T.Co. 450/15

Existg. R/W Line 1

Limit of Construction

WALTER E. TOWNER
&
DOROTHY E. TOWNER

Open Field

107 LA — T.B.A. 14.15 Ac. P.R.O. 0.29 Ac. Cont. 14.44 Ac.

107 — T.B.A. 1.03 Ac. P.R.O 0.51 Ac. Cont. 1.54 Ac.

107A — T.B.A. 0.05 Ac. P.R.O. 0.02 Ac. Cont. 0.07 Ac.

RECEIVED R/W OCT 18 1961 State Highway Dept. Dist. No. 4

110 — T.B.A. 0.01 Ac. P.R.O. 0.02 Ac. Cont. 0.03 Ac.

201+76
821.00'

201+02
794.00'

201+90.5
807.50'

201+44
767.50'

201+20
701.50'

201+23.5
614.50'

200+59.5
414.50'

204+36.5
780.00'

R/W

201+02.5
711.00'

201+28
787.00'

Fence

200+59.5
576.50'

No Mark

111 Limit of Constr. Fence

199+92.5
380.50'

200+26.0
172.30'

200+44.5
158.00'

Existg. R/W Line

O.B.T.Co. 450/12

A. 17 GRAYBILL ROAD

200+80.5
582.30'

2' Ditch

200+12.5
521.00'

200+39.5
426.50'

2' Stone Wall

199+86.5
335.00'

200+07
186.50'

Limit of Constr.

Fence

R/W

200+23
150.00'

200+04
142.00'
E.P.A.

200+02
150.00'

199+63
150.00'

199+70.5
214.00'

199+37
341.00'

199+44
386.50'

200+02
449.00'

200+36.5
594.00'

200+96.5
764.50'

200+79.5
718.50'

CARL E. BRENNEMAN & NEVA E. BRENNEMAN

CLARK C. HOEHN & HELEN M. HOEHN

108A — T.B.A. 0.06 Ac. P.R.O. 0.11 Ac. Cont. 0.17 Ac.

109

CLARK C. HOEHN & HELEN M. HOEHN

CARL G. WASSON & MARY E. WASSON

108 — T.B.A. 0.21 Ac. P.R.O 0.11 Ac. Cont. 0.32 Ac.

108 WA

Earth Drive

Stream

1½ Sty. Shingle Dwg.

Patio

Gar.

S.E. ¼ Sec. 15
S.W. ¼ Sec. 14

20" Pine #1853

3" Gas Line G #2041

N 13° 7' W

2" Gas Line G #1774

R=17,038.73'

Fence, Type "D"

107A

LA

199

RAMP "S"

MATCH LINE STA. 198 + 00

STA.188+00 TO STA.202+00 – RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

306

10/19

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

R/W

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.1/4 SEC.15
T-12 R-9

P.I. Sta. 207+80.99
Δ = 8°53'00" Lt.
D = 0°20'00"
R = 17188.73'
T = 1335.18'
L = 2665.00'
E = 51.78'

R = 17,038.73'

BEGIN SHEET STA. 202+00

MATCH LINE STA. 215+00

Match Line

Sta. 211+38.50
150.00'

Sta. 212+12
150.00'

Cont. 0.43 Ac.

Fence, Type "A"

Limit of Construction

Open Field

208+00
142.00'
I.A.P.A.

Fence

Tree Line

36" Oak

24" Wild Cherry

Wooded Area

202+46.0 ℄

491.39

N. 02° 42' 57" E.

36°16'

N 33° 10' 30" W

N 42° 03' 30" W

Pole

20 7/8 P.L. #52

6" Gas Line

6" #16861

204+31
150.00'

210+00
148.00'
I.A.P.A.

215+00
148.00'
I.A.P.A.

Limit of Construction

333.83'

S. 35° 54' 26" E.

Fence, Type "A"

R = 17,338.73'

Sta. 212+00
150.00'

Sta. 211+36
150.00'

Cont. 0.47 Ac.

CLARA FRANKS,
PAUL C. FRANKS,
RUSSELL FRANKS &
MARJORIE R. WILLIAMS

Cont. 13.62 Ac.

107 LA
T.B.A. 14.15 Ac.
P.R.O. 0.29 Ac.
Cont. 14.44 Ac.

111 LA

111 X

107
T.B.A 1.03 Ac.
P.R.O. 0.51 Ac.
Cont. 1.54 Ac.

WALTER E. TOWNER & DOROTHY E. TOWNER

107A
T.B.A. 0.05 Ac.
P.R.O. 0.02 Ac.
Cont. 0.07 Ac.

Open Field

SUMMIT COUNTY
GREEN TOWNSHIP
S.W.1/4 SEC. 14
T-12 R-9

S.E.1/4 Sec. 15
S.W.1/4 Sec. 14

Match Line Left

Sta. 213+99
410.50'

Sta. 214+14
389.00'

Sta. 212+11.50
304.50'

Sta. 212+69
271.00'

Match Line Right

Sta. 211+92.50
421.00'

Sta. 211+52
460.00'

Sheet Completed
Date: 4-28-61
Revised
Date: 5-10-61
General
Date: 10-16-61
Revised Structure
on Parcels 111X, 111A
X & 111LA.
Date: 10-23-61
General
Date: 9-1-67
Par 107-L.A. Revised
for Metes & Bounds.

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.1/4 SEC.15
T-12 R-9

P.I. Sta. 207+80.99
Δ = 8°53'00" Lt.
D = 0°20'00"
R = 17188.73'
T = 1335.18'
L = 2665.00'
E = 51.78'

JOHN HELLER & MARIE HELLER

112 LA
Cont. 1.58 Ac.
T.B.A. 0.005 Ac.
112 P.R.O. 0.04 Ac.
Cont. 0.045 Ac.

Meter House

#17752

Sta. 210+44
266.00'

Sta. 210+52.50
350.00'

Match Line

Sta. 211+09.50
263.00'

Sta. 211+16.50
337.00'

Match Line

219+02.0
150.00'

R = 17,038.73

Open Field

Limit of Construction

217+00
142.00'
I.A.P.A.

Fence

Tree Line

#17747

6" Gas Line

221+10.81 Bk. = 221+11.75 Ah.
148.00'
I.A.P.A.

P.T. Sta. 221+10.81 Bk. = 221+11.75 Ah.

221+10.81 Bk. = 221+11.75 Ah.
150.00'

220+70.5
150.00'

112 LA

111 LA

217+59.5 ℄

45°18'

N 42° 03' 30" W

Wooded Area

Limit of Construction

215+00
148.00'
I.A.P.A.

221+10.81 Bk. = 221+11.75 Ah.
148.00'
I.A.P.A.

221+10.81 Bk. = 221+11.75 Ah.
150.00'

Fence, Type "A"

R = 17,338.73'

S.E.1/4 Sec. 15
N.E.1/4 Sec. 15

216+19.8
150.00'

CLARA FRANKS
PAUL C. FRANKS
RUSSELL FRANKS &
MARJORIE R. WILLIAMS

111 LA Cont. 13.62 Ac.
T.B.A. 0.44 Ac.
111 P.R.O. 0.30 Ac.
Cont. 0.74 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
N.E.1/4 SEC.15
T-12 R-9

WILLIAM J. THORN

117 LA Cont. 0.14 Ac.
117 T.B.A. 0.02 Ac.
P.R.O. 0.03 Ac.
Cont. 0.05 Ac.

USTES C. THORN & MARY L. THORN

116 LA Cont. 0.58 Ac.
116 T.B.A. 0.08 Ac.
P.R.O. 0.10 Ac.
Cont. 0.18 Ac.

40' Private Drive

2" Gas Line

6" Gas Line

226+30
150.00'

227+64.5
150.00'

228+21
150.00'

229+89.5
150.00'

227+93
150.00'

226+99
82.50'

226+12.5
166.50'

227+27
541.00'

227+13
68.00'

225+97.5
150.00'

45°17'00"

ROAD

10" Apples
12" Apple
8" Pear
6" Apple
8" Apple
12" Apple
18" Apple
4" Elm

225+25.5
150.00'
LULA W. THORN

225+76
71.50'

228+12
29.50'

Sta. 226+42.55 ℄ =
Sta. 10+00 Thorn Rd.
E.C. THORN

WILLIAM J. THORN &
LULA W. THORN

229+35
150.00'

113 LA

224+99
150.00'

223+39.5
112.50'

224+70.5
150.00'

223+77
150.00'

225+90
85.50'

114 LA Cont. 0.97 Ac.

115 LA Cont. 1.37 Ac.
115 T.B.A. 0.08 Ac.
P.R.O. 0.09 Ac.
Cont. 0.17 Ac.

226+55.5
150.00'

Limit of Construction

229+70
181.00'

LULA W. THORN

113 LA Cont. 1.33 Ac.

Wooded Area

DAVID M. STALNAKER &
MABLE STALNAKER

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 4

END SHEET STA. 230+00

STA. 202+00 TO STA. 230+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

307

11/19 R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.1/4 SEC.15
T-12 R-9

KERMIT HAROLD BURNS
144 P.R.O. 0.04 Ac.

ROBERT K. BURNS
143 T.B.A. 0.02 Ac.
P.R.O. 0.11 Ac.
Cont. 0.13 Ac.

CLEDA McCUTCHEON & MARIE McCUTCHEON
142 T.B.A. 0.02 Ac.
P.R.O. 0.05 Ac.
Cont. 0.07 Ac.
142 T Cont. 0.01 Ac.

CLAYTON A. MOTZ & EVELYN N. MOTZ

142A T.B.A. 0.02 Ac.
P.R.O. 0.05 Ac.
Cont. 0.07 Ac.

E.R. BOLIN & ETHEL BOLIN
141 T.B.A. 0.072 Ac.
P.R.O. 0.248 Ac.
Cont. 0.320
141 S Cont. 0.038

JOHN HELLER & MARIE HELLER
112 T.B.A. 0.005 Ac.
P.R.O. 0.04 Ac.
Cont. 0.045 Ac.
112 LA Cont. 1.58 Ac.

LULA THORN
118 T.B.A. 0.03 Ac.
P.R.O. 0.07 Ac.
Cont. 0.10 Ac.

WILLIAM J. THORN
117 LA Cont. 0.14 Ac.
117 T.B.A. 0.02 Ac.
P.R.O. 0.03 Ac.
Cont. 0.05 Ac.

USTES C. THORN & MARIE L. THORN
116 LA Cont. 0.58 Ac.
116 T.B.A. 0.08 Ac.
P.R.O. 0.10 Ac.
Cont. 0.18 Ac.

WILLIAM J. THORN
LULA W. THORN
115 LA Cont. 1.37 Ac.
115 T.B.A. 0.98 Ac.
P.R.O. 0.09 Ac.
Cont. 0.17 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC.15
T-12 R-9

JOSEPH R. FLAKER & MILDRED A. FLAKER
120 LA Cont. 0.46 Ac.
120 T.B.A. 0.09 Ac.
P.R.O. 0.06 Ac.
Cont. 0.15 Ac.

CHARLES L. VICKERS
123 LA Cont. 0.29 Ac.

EVERETT P. ELLIOTT
125 T.B.A. 0.15 Ac.
P.R.O. 0.10 Ac.
Cont. 0.25 Ac.

VICTOR M. CORDER
122 LA Cont. 0.32 Ac.

RICHARD T. NIETHAY & VERNA MAXINE NIETHAY
121 LA Cont. 0.38 Ac.

DAVID M. STALNAKER & MABLE STALNAKER
121 A T.B.A. 0.02 Ac.
P.R.O. 0.01 Ac.
Cont. 0.03 Ac.

DAVID M. STALNAKER & MABLE STALNAKER
121 A LA Cont. 0.15 Ac

FRANK WOLVERTON
124 T.B.A. 1.97 Ac.
P.R.O. 0.03 Ac.
Cont. 2.00 Ac.
124 T.B.A. 0.15 Ac.
P.R.O. 0.09 Ac.
Cont. 0.24 Ac.

LLOYD GRABLE & DAWN GRABLE
126 LA T.B.A. 2.81 Ac.
P.R.O. 0.81 Ac.
Cont. 3.62 Ac.
126 T.B.A. 0.26 Ac.
P.R.O. 0.10 Ac.
Cont. 0.36 Ac.
126 C LA T.B.A. 0.01 Ac.
P.R.O. 0.04 Ac.
Cont. 0.11 Ac.
126 A LA T.B.A. 0.13 Ac.
126 B LA T.B.A. 0.59 Ac.
P.R.O. 0.01 Ac.
Cont. 0.60 Ac.

WILLARD R. LaVOIE & VIVIAN V. LaVOIE
148 T.B.A. 0.09 Ac.
P.R.O. 0.02 Ac.
Cont. 0.11 Ac.
148 LA Cont. 1.65 Ac.

ALTA STIPE, HAZEL L. STIPE, MARTHA A. HOOVER & HAROLD R. STIPE
140 LA T.B.A. 13.42 Ac.
P.R.O. 0.58 Ac.
Cont. 14.00 Ac.
140 T.B.A. 0.34 Ac.
P.R.O. 0.43 Ac.
Cont. 0.77 Ac.
140 T Cont. 0.19 Ac.
140 AX Cont. 0.06 Ac.

ROBINWOOD ESTATES
A Subdivision in the N.E. 1/4 Sec. 15
Township 12 (Green) Range 9
Summit County, Ohio
Plat 50 Pages 29 & 30

BEGIN SHEET STA. 230+00

END SHEET STA. 245+00

MATCH LINE

N 42°03'30" W

Sta. 16+53.44 Massillon Rd.
Sta. 0+00 Sandy Knoll Dr.

Sta. 15+82.24 Massillon Rd.
Sta. 18+97.66 Robinwood Dr.

Sta. 241+00.00 = Sta. 19+86.08 Massillon Rd.

RECEIVED R/W OCT 18 1961 State Highway Dept. Div. No. 4

Sheet Completed
Date: 4-28-61
Revised
Date: 5-10-61
General
Date: 9-13-61
Parcel 124-Changed Name
Parcel 140-Changed Name
Added Parcel 142 A & 142 B WA
Changed Parcel 126 LA to 126 A LA, 126 B LA & 126 C LA
Date: 10-16-61
Added Parcel 140 AT. Changed Offsets from Sta. 242+50 to 242+70.

REVISED Location of 120-WA + ADDED 125-WA 9-25-62

Added Pcl. 141-S & Revised Area for Pcl. 141 11-22-61
Added Pcl. 121-A-LA & Revised Name & Area of Pcl. 121-LA 11-22-61
Changed Pcl Nos. 121 & 121-WA To 121-A, 121-AWA 11-22-61

SHEET NO. 12

General Revisions 10-23-61
Parcel 141 Revised Station Offsets 10-20-61

STA. 230+00 TO STA. 245+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

308

12/19

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

R/W

ROBINWOOD ESTATES
A Subdivision in the N.E. 1/4 Sec. 15
Township 12 (Green) Range 9
Summit County, Ohio
Plat 50 Pages 29 & 30

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 15
T-12 R-9

BEGIN SHEET STA. 230+00

MATCH LINE SHEET NO. 11

END SHEET STA. 245+00

MASSILLON ROAD SH 241

ROBINWOOD DRIVE

RABER TERRACE 50'

RAMP L

RAMP M

Limit of Construction

Fence, Type "D"

Fence, Type "O"

Tree Line

Existg. R/W Line

Lot #1 LLOYD GRABLE & DAWN GRABLE

Lot #2 LLOYD GRABLE & DAWN GRABLE

Lot #5 LLOYD GRABLE & DAWN GRABLE

Lot #6 LLOYD GRABLE & DAWN GRABLE

Lot #7 LLOYD GRABLE & DAWN GRABLE

Lot #8 LLOYD GRABLE & DAWN GRABLE

Lot #9 LLOYD GRABLE & DAWN GRABLE

Lot #10 LLOYD GRABLE & DAWN GRABLE

Lot #11 LLOYD GRABLE & DAWN GRABLE

Lot #12 LLOYD GRABLE & DAWN GRABLE

Lot #17

Lot #19

Lot #26

Lot #28

Lot #30

Lot #32

Lot #34

Lot #36

Lot #38

120 LA — Cont. 0.46 Ac.
T.B.A. 0.09 Ac.
P.R.O. 0.06 Ac.

120 — Cont. 0.15 Ac.
WILLIAM J. THORN & LULA W. THORN
JOSEPH R. FLAKER & MILDRED A. FLAKER

115 LA — Cont. 1.37 Ac.

115 — T.B.A. 0.08 Ac.
P.R.O. 0.09 Ac.
Cont. 0.17 Ac.
RICHARD E. METHAY & VERNA MAXINE METHAY

121 LA — Cont. 0.98 Ac.

122 LA — Cont. 0.32 Ac.
VICTOR M. CORDER

121 A LA — Cont. 0.15 Ac.
DAVID M. STALNAKER & MABLE STALNAKER

124 LA — T.B.A. 1.97 Ac.
P.R.O. 0.03 Ac.
Cont. 2.00 Ac.
Wooded Area
FRANK WOLVERTON

124 — T.B.A. 0.15 Ac.
P.R.O. 0.09 Ac.
Cont. 0.24 Ac.

127 LA — T.B.A. 0.43 Ac.
P.R.O. 0.01 Ac.
Cont. 0.44 Ac.
STEPHEN G. LICHTENBERGER & BARBARA L. LICHTENBERGER

126 LA — LLOYD GRABLE & DAWN GRABLE Cleared Area

126A LA — LLOYD GRABLE & DAWN GRABLE

127 WA — Robinwood Rd.

126 — DENZIL C. TATTERSON & JULIA E. TATTERSON
T.B.A. 0.63 Ac.
P.R.O. 0.07 Ac.
Cont. 0.70 Ac.

126B LA — LLOYD GRABLE & DAWN GRABLE

PETER P. KRAJECK & CARMEN V. KRAJECK
T.B.A. 0.51 Ac.
P.R.O. 0.07 Ac.
Cont. 0.58 Ac.

135 LA — HAROLD L. POLEN & KATHLEEN W. POLEN
T.B.A. 0.39 Ac.
P.R.O. 0.07 Ac.
Cont. 0.46 Ac.

126C LA — LLOYD GRABLE & DAWN GRABLE
T.B.A. 0.07 Ac.
P.R.O. 0.04 Ac.
Cont. 0.11 Ac.

126 — T.B.A. 0.26 Ac.
P.R.O. 0.10 Ac.
Cont. 0.36 Ac.

126 LA — T.B.A. 2.81 Ac.
P.R.O. 0.81 Ac.
Cont. 3.62 Ac.

126A LA — T.B.A. 0.13 Ac.

126B LA — T.B.A. 0.59 Ac.
P.R.O. 0.01 Ac.
Cont. 0.60 Ac.

140 LA — T.B.A. 13.42 Ac.
P.R.O. 0.58 Ac.
Cont. 14.00 Ac.
ALTA STIPE, HAZEL L. STIPE, MARTHA A. HOOVER & HAROLD R. STIPE

140 — T.B.A. 0.34 Ac.
P.R.O. 0.43 Ac.
Cont. 0.77 Ac.

140 T — Cont. 0.19 Ac.

140 — T.B.A. 13.42 Ac.
P.R.O. 0.58 Ac.
Cont. 14.50 Ac.

140 — T.B.A. 0.34 Ac.
P.R.O. 0.43 Ac.
Cont. 0.77 Ac.

140 T — Cont. 0.19 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 10
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 15
T-12 R-9

138 — T.B.A. 0.24 Ac.
P.R.O. 0.17 Ac.
Cont. 0.41 Ac.
DAN W. HOOVER & MARTHA A. HOOVER

137 WA — T.B.A. 0.15 Ac.
P.R.O. 0.07 Ac.
Cont. 0.22 Ac.
EDDIE ROBINSON & LILLY ROBINSON

139 — T.B.A. 0.06 Ac.
P.R.O. 0.12 Ac.
Cont. 0.18 Ac.
PAUL PERGL & MARY PERGL

JANICE L. LAMB

JOHN MADJAR & SUSAN MADJAR

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 15
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
SEC. 15
T-12 R-9

Sheet Completed
Date: 4-28-61

Revised
Date: 5-10-61
General
Date: 6-20-61
General
Date: 9-13-61
Parcel 124-Changed Name,
Parcel 140-Changed Name
Changed Parcel 126 LA to 126 A LA, 126 B LA & 126 C LA
Date: 10-16-61
Revised Raber Rd. Approach

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 4

Added Pcl. 121-A-LA & Revised Name & Area Pcl 121-LA 11-22-61
Changed Pcl Nos 121 & 121-WA TO 121-A, 121-A-WA 11-22-61
General Revisions 10-23-61

STA. 230+00 TO STA. 245+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

309

13/19 R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

140 LA T.B.A. 13.42 Ac.
P.R.O. 0.58 Ac.
Cont. 14.00 Ac.

140 T.B.A. 0.34 Ac.
P.R.O. 0.43 Ac.
Cont. 0.77 Ac.

140 T Cont. 0.19 Ac.

140 A T Cont. 0.03 Ac.

ALTA STIPE,
HAZEL L. STIPE
MARTHA A. HOOVER &
HAROLD R. STIPE

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.1/4 SEC.15
T-12 R-9

WILLARD R. LaVOIE &
VIVIAN V. LaVOIE

148 LA Cont. 1.50 Ac.

148 T.B.A. 0.09 Ac.
P.R.O. 0.02 Ac.
Cont. 0.11 Ac.

BEGIN SHEET

STA. 245+00

246 247 248 249 250 251 252 253 254 255 256 257 258 259

STA. 260+00

END SHEET

248+20
150.00'

248+20
148.00' I.A.P.A.

256+48.5
150.00'

259+57.5
150.00'

LA

Cultivated Field
Corn

Cultivated Field
Wheat

Limit of Construction?

Fence, Type "D"

Fence

36" Oak

140 LA

148 LA

150 LA

Wooded Area

RAMP K

Light Brush & Small Trees

Morsh

255+00 ℄

255+13
13.00'

N 87°11'30"W 1835'

N 42°03'30"W

40"

RAMP L

Cultivated Field
Wheat

Light Brush

55" Oak

24" Poplar

36" Poplar

Wooded Area

45°08'

N 87°11'30"W 233.50

N 32°06'E
232.7'

Tree Line

140 A LA

256+67
139.50'

256+77.5
148.00'
I.A.P.A.

Cultivated Field

6" Wild Cherry

15" Apple

Tree Line

248+09
188.00' I.A.P.A.

Limit of Construction?

Fill for Drainage

Fence, Type "D"?

15" Maples

24" Oak

36" Oak

LA

S 44°38'44"E 343.35'

Cleared

IDA L. LYONS, FOLA H. CARR
E. GLADYS BOWERS &
DALE F. CARR

246+50
255.50' I.A.P.A.

18" Apple

15" Pear

6" Plum

5" Plum

6" Wild Cherry

Corn Shed

18" Walnut

246+50
257.50'

248+09
190.00'

251+50
174.00'

140 A T

252+30
170.00'

252+00
200.00'

253+34.5
165.50'

140 A LA T.B.A. 0.67 Ac

256+77.5
150.00'

150 LA Cont. 14.51 Ac.

245+45
312.00'
E.P.A.

4" Evergreens

6" Pear

2-Sty. Fr. Dwg.

Plum

5" Walnut

2-15" Walnuts

2-Sty. Fr. Shingle Dwg.

Lilacs

2-Sty. Fr. Shed

8" Apple

10" Apple

Shed

10" Apple

Fr. Shed

245+45
314.00'

10" Apple

Wood Post

Dip Pear

10" Cherry

10" Maple

Wood Post

Shrub

6" Cherry

30" Cherry

G.A. #389

Fr. Fr. Garage

Fr. Fr. Shed

Under Blast

Overhang

Frame Barn

Stone Pile Along Silo

Existing R/W Line

Fenced

Cleared Pasture

MASSILLON ROAD
Bituminous

104.3
19

Existing R/W Line

104.3
19

N.W.1/4 Sec.15

N.E.1/4 Sec.15

SUMMIT COUNTY
GREEN TOWNSHIP
N.E.1/4 SEC.15
T-12 R-9

For Massillon Rd. Area
See Sheet No. 12

89°59'60"
N 86°37'20"W
3022.40

ALTA STIPE, HAZEL L. STIPE,
MARTHA A. HOOVER & HAROLD R. STIPE
(OWNERS OF RECORD FOR ACQUISITION OF PCLS
140-LA, 140A-T)

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.1/4 SEC.15
T-12 R-9

N.W.1/4 Sec.15
S.W.1/4 Sec.10

Alta Stipe

JOHN MADJAR &
SUSAN MADJAR

SUMMIT COUNTY
GREEN TOWNSHIP
S.W.1/4 SEC.10
T-12 R-9

RECEIVED R/W
OCT 19 1969
State Highway Dept.
Dist. No. 4

Sheet Completed
Date: 6/20/61

Revised
Date: 10-23-61
General
Pcl. 140A-LA
ADDED, 10-30-69
Revised Name
Pcl. 140-A-LA 3/23/70

STA. 245+00 TO STA. 260+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

14 / 19 R/W

BEGIN SHEET STA. 260+00

MATCH LINE STA. 274+00

WILLARD R. LaVOIE & VIVIAN V. LaVOIE

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

262+00 150.00'
263+00 160.00'
262+00 148.00' I.A.P.A.
263+00 158.00' I.A.P.A.
272+00 160.00'
273+00 150.00'
272+00 158.00' I.A.P.A.
273+00 148.00' I.A.P.A.

LA — Fence, Type "D" — Limit of Construction

Wooded Area

IDA L. LYONS, FOLA H. CARR
E. GLADYS BOWERS &
DALE E. CARR

150 LA Cont. 14.51 Ac.

Rt. of Way (Cleared)

36" Poplor, 30", 36" Poplor, 40" Poplor, 40" Poplor, 32" Poplor, 15" Twin Oak, 30" Beech, 26", 32" Oak, 24" Poplar, 28" Poplar, 2-15" Twin Oaks, 24" Poplar, 30" Poplar, 28" Poplar, 32" Poplar, 38" Poplar, 20" Wild Cherry, 32" Oak, 3-40" Elms, 32" Poplar, 18" Poplar, 40" Poplar, 28" Poplar, 20" Poplor, 30" Elm, 18" Poplar, 2-20" Oaks, 30" Poplar, 30" Oak, 24" Poplar, Spring, 24"

261 262 263 264 265 266 267 268 269 270 271 272 273

N 42°05'30" W

264+00 148.00' I.A.P.A.
264+00 150.00'
267+00 158.00' I.A.P.A.
267+00 160.00'
274+00 158.00' I.A.P.A.
274+00 160.00'

Wooded Area — Limit of Construction — Wooded Area — Fence, Type "D" — LA

6" Sinclair Pipe Line Co.'s Oil and Gas Pipe Line

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

S.E. 1/4 Sec. 9
S.W. 1/4 Sec. 10

277+20 150.00'

153 LA Cont. 2.54 Ac.

HAROLD FORRINGER & GLAYDS FORRINGER

Fr. Privy 4½' Dia.

4" Maple, 6" Cherry, 24" Oak, 12" Ditch, Shrub, 4" Maple, 2" Willow, Log Foot Bridge, G.R. #3558, Block Wall Conc., Well House, Fr. Shed, Light, 8" V.C.P. Wafer Tap, Auto & Trailer Fr. Dwg., Cinder Block Fdn., Light, Earth Drive, G.R. #3376, Septic Tank, 2-10" C.M.P., Ave. 4" Trees, 12" V.C.P., 28" Stump, Trees, 2" Maple, 4" Clump, 10" Elm, 3" Pipe, 12" Pipe, Saplings, 4" Trees, Dead Pole, Steel Fence Post, Brush, Ditch, 12" Ash, 14" Ash, 24" Ash, 30" Oak, 8" C.P., 24" Maple, 24" Oak, 30" Oak, 40" Oak, 24" Oak, 30" Oak, 38" Poplar, 30" Poplar, 36" Elm, 30" Oak, 30" Elm, 24" Beech

Tree Line, 44°32'

275 276 277 278 279 280 281 282 283 284 285 286 287

N 42°03'30" W

278+73 ℄

280+10 150.00'
280+24 150.00'
280+76 201.00'
279+90 150.00'
280+10 232.00'
279+90 232.00'
281+27 150.00'
282+98 150.00'
282+98 148.00' C.P.A.
283+28 121.00'
283+59.5 150.00'
283+28 119.00' C.P.A.
284+81.5 141.00'
284+91 150.00'
284+73 150.00'
285+50.5 148.00' I.A.P.A.
286+70.5 150.00'

Cleared — Limit of Construction — Wooded Area — Fence, Type "D" — LA

Cont. 0.04 Ac.
150 X

Cinder Road

Recreation Area

JACOB LUCKEY

Swale, House Trailer, Wooded Area, Gravel Parking

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

3' Ave. Width, .2' Ave. Depth

ROBERT G. HOFFMAN & MARGARET E. HOFFMAN

Scattered 1"-4" Trees, Posture, Fence, Tree Line, 6" Maple, 12" Maple, 6" Pear

283+85 144.00'
283.79.5 150.00'
281.87.5 150.00'
284+71 230.00'
285+00 148.00' I.A.P.A.

169 LA T.B.A. 1.98 Ac. P.R.O. 0.01 Ac. Cont. 1.99 Ac.
169 T.B.A. 0.06 Ac. P.R.O. 0.12 Ac. Cont. 0.18 Ac.

Heavy Brush & Trees

ROY BEAL & MARGARET M. BEAL

15' Ave. Width, 1' Ave. Depth

ROBERT G. HOFFMAN & MARGARET E. HOFFMAN

Fence, Spring

VINCENT A. OLENICK & MARIE R. OLENICK

283+00 148.00' I.A.P.A.
283+85 142.50' I.A.P.A.
283+07 31.50'

156 LA Cont. 1.28 Ac.

168 LA Cont. 1.33 Ac.

168 T.B.A. 0.08 Ac. P.R.O. 0.08 Ac. Cont. 0.08 Ac.

Clump of 6-1" Dogwood, Open Field, 6" Twin Elm, 3" Apple, 4" Apple, 2" Plum, 4" Plum, 6-2" Plum, 4" Dogwood, 6" Apple, 8" Apple, 6" Plum, 2" Apricot, 4" Apple, 10" Apple, 2-4" Plums, 3" Cherry, 2" Scott Pine, 4" Maple, 6" Non Shrubs, 3-12" Apples, 1-Sty Stucco Dwg. & Storage, 1-Sty Stucco Dwg. & Shrubs, 1-Sty Stucco Dwg., Fr. Garage, 10' Gravel Dr., Fr. Storage Bldg., 4'x5' Privy, Fr. Dwg., Tree Line

FLOYD M. THOMAS & FLORENCE MABEL THOMAS

MARY HAMRICK

Cont. 0.74 Ac.

Limit of Construction

JACK WHITE & PATRICIA WHITE

RECEIVED R/W
OCT 18 1961
State Highway Dept. Div. No. 4

Sheet Completed Date: 6/20/61

Revised Date: 10-16-61
Added Parcel 150X
Date: 10-23-61
General

STA. 260+00 TO STA. 288+00 — RIGHT OF WAY PLAN

SHEET END STA. 288+00

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

311

15
19

R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

HARRY W. STROSAKER
EMBLE V STROSAKER

165 T.B.A. 0.04 Ac.
P.R.O. 0.10 Ac.
Cont. 0.14 Ac.

INEZ E. PITTMAN

IVOR LEON FOSS
DONNA J. FOSS

WILLIAM A. BURKE & CORDA D. BURKE a.ka. CORDA L. BURKE

HARRY F. SUTTLE

SUMMIT COUNTY
GREEN TOWNSHIP
N.E.¼ SEC. 9
T-12 R-9

IDA M. SOWERS

ARNOLD V. HALL & RUTH N. HALL

DANA YORK

CHRISTIAN E. RHONEMUS
SHERMAN S. DALBEY

ROBERT E. FULKS & RAMONA J. FULKS

WILLIAM G. RAY
MARY RUTH RAY

M.M. CARTER
T.B.A. 0.04 Ac.
P.R.O. 0.12 Ac.
Cont. 0.16 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.¼ SEC. 9
T-12 R-9

WOODROW JENKINS

HOWARD N. MARLOW & SUE J. MARLOW a.Ka. SUE MARLOW

Septic Agreement

ROBERT G. HOFFMAN & MARGARET E. HOFFMAN

ROY BEAL & MARGARET M. BEAL

Sta. 252+49.66 NL = Sta. 10+00 Turkeyfoot Lake Rd.

N 42°03'30" W

45°13'55"

Sta. 294+00 BEGIN SHEET

Sta. 288+00 END SHEET

MATCH LINE STA. 15+00

Fence, Type "D"

Limited Access R/W

Existg. R/W Lines

Tree Line

Brush & Trees

Open Field

Heavy Brush

Woods

Fr. Shed

Fr. Storage Bldg.

Fr. Storage Shed Wooded Area

Fr. Storage Wooded Blk.

Large Stone

Drive R/W

Gravel Drive

Bit. Pav't.

Pav't.

Septic Tank

Conc. Blk. Basement

Pond 6' River Depth

Spillway

Scale House

Trailer

Wash House

Cinder Blk. Pump House

Flagstone Walk

Limestone Dr.

Mobile Home

Shed

Barn

Silo

Pasture

Fr. Gar.

Conc. Apron

Conc. Ret. Wall

Brick Pillar

Steel Post

Wood Post

Iron Pipe

Conc. Mon.

Shrub Hedge

Rose Bushes

Lilac

Weeping Willow

Grape Arbor

Existg. R/W Line

Existg. R/W Line of Pickle Road

Sta. 19+66.60 - Turkey Foot Lake Road
Sta. 0+00.00 - Pickle Road

TURKEYFOOT LAKE ROAD

N.E.¼ Sec. 9
S.E.¼ Sec. 9
N.W.¼ Sec. 10
S.W.¼ Sec. 10

88°26'10"

FLOYD M. THOMAS & FLORENCE MABEL THOMAS

VINCENT A. OLENICK & MARIE R. OLENICK

BIRD E. MONTGOMERY

EDITH L. MORRISON

WILLIAM PAUL HIGGINS Jr. & DELCIE HIGGINS

IDA L. LYONS, FOLA H. CARR, E. GLADYS BOWERS & DALE F. CARR

JACK WHITE & PATRICIA WHITE

HAROLD H. KITTLE & IRENE KITTLE

WILLIAM L. MASON & NELLIE VIOLA MASON

DUNCAN

E. GIGGER

SUMMIT COUNTY
GREEN TOWNSHIP
N.E.¼ SEC.9
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.¼ SEC.10
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.¼ SEC.9
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.W.¼ SEC.10
T-12 R-9

PICKLE ROAD

N.E.¼-Sec.9 N.W.¼ Sec.10

S.E.¼ Sec.10 S.W.¼ Sec.10

FLOYD M. THOMAS & MABEL THOMAS
168 LA Cont. 1.33 Ac.
168 T.B.A. — P.R.O. 0.08 Ac. Cont. 0.08 Ac.

MARGARET M. BEAL & ROY BEAL
169 LA T.B.A. 1.98 Ac. P.R.O. 0.01 Ac. Cont. 1.99 Ac.
169 T.B.A. 0.06 Ac. P.R.O. 0.12 Ac. Cont. 0.18 Ac.
169 WA Channel Cleanout

ARNOLD V. HALL & RUTH N. HALL
173 T.B.A. 0.15 Ac. P.R.O. 0.10 Ac. Cont. 0.25 Ac.

DANA YORK
174 LA T.B.A. 0.23 Ac. P.R.O. 0.10 Ac. Cont. 0.34 Ac.
174 Cont. 0.02 Ac.
174 T Cont. 0.01 Ac.

IDA M. SOWERS
175 LA T.B.A. 0.76 Ac. P.R.O. 0.10 Ac. Cont. 0.86 Ac.

HOWARD N. MARLOW & SUE J. MARLOW a.ka. SUE MARLOW
177 LA T.B.A. 0.24 Ac. P.R.O. 0.03 Ac. Cont. 0.27 Ac.
177 T.B.A. 0.35 Ac. P.R.O. 0.06 Ac. Cont. 0.41 Ac.

HARRY C. WHITE & JANE C. WHITE
176 LA T.B.A. 1.32 Ac. P.R.O. 0.11 Ac. Cont. 1.43 Ac.

OKEY L. HARDMAN & SNOW HARDMAN
184 LA Cont. 2.12 Ac.
184 T.B.A. 0.34 Ac. P.R.O. 0.10 Ac. Cont. 0.44 Ac.

HARRY F. SUTTLE
185 LA Cont. 0.04 Ac.
185 T.B.A. 0.02 Ac. P.R.O. 0.05 Ac. Cont. 0.07 Ac.
185 T Cont. 0.02 Ac.

WILLIAM A. BURKE & CORDA D. BURKE a.ka. CORDA L. BURKE
187 LA Cont. 2.94 Ac.
187 T.B.A. 0.01 Ac. P.R.O. 0.11 Ac. Cont. 0.12 Ac.

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Dist. No. 4

Sheet Completed
Date: 6/20/61
Revised
Date: 10-16-61
Revised R/W on Parcel 179
Removed Parcels 177T, 178T & 179T & 173T
Added Parcels 178WA & 177WA
Date: 10-23-61
General
Added 169-WA 9-5-62
Added Pcl 177-SA Per loc. dated 12-23-63 12-23-63

STA. 288+00 TO STA. 294+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

312

16 / 19

R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.¼ SEC.9
T-12 R-9

HARRY E. SUTTLE

185 LA — Cont. 0.04 Ac.

185 T — T.B.A. 0.02 Ac.
P.R.O. 0.05 Ac.
Cont. 0.08

185 T — Cont. 0.02 Ac.

STA. 294+00 BEGIN SHEET

STA. 306+00 MATCH LINE

STA. 322+00 END SHEET

N 42°03'30" W

WOODROW JENKINS — 6.0" Spruce — 22" Oak — 178

HOWARD N. MARLOW & SUE J. MARLOW a.k.a. SUE MARLOW — 177

SUE MARLOW — 178 — T.B.A. 0.36 Ac. — P.R.O. 0.10 Ac. — Cont. 0.46 Ac.

IDA M. SOWERS — 175 LA — T.B.A. 0.76 Ac. — P.R.O. 0.10 Ac. — Cont. 0.86 Ac.

DANA YORK — 176 LA — T.B.A. 1.32 Ac. — P.R.O. 0.11 Ac. — Cont. 1.43 Ac.

HARRY C. WHITE & JANE C. WHITE — 184 LA — Cont. 2.12 Ac.

OKEY L. HARDMAN & SNOW HARDMAN — 184 — T.B.A. 0.34 Ac. — P.R.O. 0.10 Ac. — Cont. 0.44 Ac.

WILLIAM A. & CORDA D. BURKE a.k.a. CORDA L. BURKE — 187 LA — Cont. 2.94 Ac.

187 — T.B.A. 0.01 Ac. — P.R.O. 0.11 Ac. — Cont. 0.12 Ac.

IVOR LEON FOSS & DONNA J. FOSS — Small Trees & Light Brush — Cont. 0.12 Ac. — 188 LA

HARRY F. SUTTLE — 185 LA — I.A.P.A. — Chicken House — Open Field — Limit of Construction

INEZ E. PITTMAN — 189 LA — Cont. 0.44 Ac. — Open Field — Tree Line

MELVIN O. KING & HELEN KING — Fence Type "D" — Limit of Construction — Wooded Area — 190 LA — Cont. 0.23 Ac.

RALPH A. FINCANNON JR. & DORIS COLLEEN FINCANNON — 48" Walnut

ROBERT D. FARRISS, WILLIAM D. FARRISS, BETTY L. GROSS, MARY IMOGENE BETTLER & HELEN R. HALSEY — 193 LA — Cont. 17.52 Ac. — Open Field — Tree Line — Wooded Area & Light Brush — Fence Type "D"

SUMMIT COUNTY GREEN TOWNSHIP N.E.¼ SEC.9 T-12 R-9

Fence Type "D" — Open Field — Limit of Construction — Wooded Area & Light Brush

Sta. 316+00 Bk. = Sta. 317+00 Ahd.

SUMMIT COUNTY GREEN TOWNSHIP N.W.¼ SEC.9 T-12 R-9 — 193 LA — Cont. 17.52 Ac.

193 X — Cont. 0.06 Ac.

193 LA — 17.52 AC. — ROBERT D. FARRISS, WILLIAM D. FARRISS, BETTY L. GROSS, MARY IMOGENE BETTLER & HELEN R. HALSEY

Open Cultivated — Limit of Construction — Fence Type "D" — End Fence — Tree Line — Fence — Open Field — Wooded Area & Light Brush

Conc. Slab — Frame Barn — Conc. Apron — 24" T.C.P. Under Barn — Fence — 10' Gravel Road — Swale — Open Posture — Wooded Area

RECEIVED R/W OCT 18 1961 State Highway Dept. Dist. No. 4

Sheet Completed
Date: 6/20/61
Revised
Date: 10-16-61
Added Parcel 193X
Date: 10-23-61
General
REVISE NAME PCL-193-LA 2-24-62

STA. 294+00 TO STA. 322+00 — RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

313

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

17
19
R/W

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC.9
T-12 R-9

ROBERT D. FARRISS, WILLIAM D. FARRISS, BETTY L. GROSS, MARY IMOGENE BETTLER & HELEN R. HALSEY

193 LA Cont. 17.52 Ac.

Open Cultivated

Open Pasture

12" C.M.P.

10' Gravel Road

Fence

Swale

Spring

Fence, Type "D"

18" Ash

12" Elm

30" Elm

Marsh

Limit of Construction

Conc. Slab

24" T.C.P. Under Born

Frame Barn

BEGIN SHEET STA. 322+00

323 324 325 326 327 328 329 330 331

N 42°03'30"W

331+24.5 ℄

45°45'

STA. 332+00 MATCH LINE

12" Cherry
3-12" Willows

20" Elm

12" Oak

Tree Line

Wooded Area
CHARLES S. CROMIS &
AUGUSTA L. CROMIS

194 LA Cont. 2.98 Ac.

24" Ash

24" Hickory
329+78
150.00'

14" Ash

Clearing & Grubbing
332+00
150.00'

N.W. 1/4 Sec. 9
S.W. 1/4 Sec. 4
6 Row Brush - 1 To 6' Trees

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC.4
T-12 R-9

ROBERT D. FARRISS, WILLIAM D. FARRISS, BETTY L. GROSS, MARY IMOGENE BETTLER & HELEN R. HALSEY

JAMES EDWARD YOUNG & STELLA RUBY YOUNG
196A T.B.A. 0.02 AC. P.R.O. 0.03 AC. CONT. 0.05 AC.

JAMES C. YOUNG & GERTHIA A. YOUNG
196 LA T.B.A. 0.43 Ac. P.R.O. 0.18 Ac. Cont. 0.61 Ac.
196 T.B.A. 0.04 Ac. P.R.O. 0.09 Ac. Cont. 0.13 Ac.

DONALD J. REED & ALTA O. REED
198 LA Cont. 0.95 Ac.
198 T.B.A. 0.08 Ac. P.R.O. 0.07 Ac. Cont. 0.15 Ac.

PRINGLE A. BROSCH & VIRGINIA LEE BROSCH
199 LA Cont. 1.12 Ac.
199A T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.
199 Cont. 0.07 Ac.

DEWITT C. MORRIS & ORA M. MORRIS
200 LA Cont. 1.15 Ac.
200 T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.

ARTHUR B. COSTON & PATRICIA J. COSTON
201 P.R.O. 0.03 Ac.

PHYLLIS D. BLONDHEIM
202 LA Cont. 0.84 Ac.

WALTER C. FERRELL & RUTH FERRELL
203 LA Cont. 0.34 Ac.

EDMOND H. CROMER & HILDA J. CROMER
204 LA Cont. 0.44 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC.9
T-12 R-9

332+70
150.00'

194 LA Cont. 2.98 Ac.
CHARLES S. CROMIS & AUGUSTA L. CROMIS

336+98.5
150.00'

195 LA Cont. 3.62 Ac.
GARRETT E. BLAKE

Cultivated Field

340+00
150.00'

342+16.5
175.00'

343+73
193.00'

345+29.5
211.00'

346+53
202.00'

JAMES EDWARD DONOVAN

DONALD J. REED & ALTA O. REED

VIRGINIA LEE BROSCH

DEWITT C. MORRIS & ORA M. MORRIS

Fence, Type "D"

Limit of Construction

Tree Line

Wooded Area

Meadow

Swamp

Drains & Springs

Triple 6" Crabapple

Spring

Fence

Rye

10" Apple

8" Pear

8" Apple

6" Plum

6" Apple

6" Pear

12" Apple

Orchard

340+00
148.00'
I.A.P.A.

345+29.5
209.00'
I.A.P.A.

340+54.5
08.00'

340+26.5
20.50'

341+26.5
61.50'

N 42°03'30"W

CHENOWETH

Cont. 0.67 Ac.

12" Wild Cherry

30" Elm

Marsh

333 334 335 336 337 338 339 340 341 342 343 344 345 346

STA. 332+00 MATCH LINE

END SHEET STA. 347+00

JAMES C. YOUNG & GERTHIA A. YOUNG

341+98.5
131.00'

342+25
136.00'
I.A.P.A.

342+25
140.00'

343+09
155.00'

344+35
179.50'

345+55.5
193.00'
I.A.P.A.

345+55.5
195.00'

346+99
193.50'

PHYLLIS D. BLONDHEIM

EDMOND H. CROMER & HILDA J. CROMER

3" Apple

346+94
50.50'

P.C. Sta. 345+29.85

Limit of Construction

Kitchen Garden

30" Cherries

341+55.5
145.50'

530

10" 341+77
166.00'

Flower Garden

18" Plum

Shrubs

6" Plum

6" Maple

Shrub

4" Plum

20" Apple

4" Peach

8" Plum

6" Peach

Spring

Fence

Meadow

Swamp

Spring

338+80.5
169.50'
I.A.P.A.

338+80.5
171.50'

341+93.5
234.00'

342+08.5
14.00'

342+70
200.50'

344+30.5
175.00'

343+13
243.00'

344+86
240.00'

342+62
248.50'

342+85.5
271.50'

345+39.5
192.00'

RAY A. BOYLES & MINERVA A. BOYLES

WALTER C. FERRELL & RUTH FERRELL

ARTHUR B. COSTON & PATRICIA J. COSTON

Kitchen Garden

Guy Pole
C.B.T.Co. #530

Dwg

Conc.

12" Spruce

Fence

Fence

Fence

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

314 | 18 | 19 | R/W

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 4
T-12 R-9

P.I. Sta. 360+76.55
Δ = 43° 12' 00" Rt.
D = 1° 28' 00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

N 1° 08' 30" E

N 42° 03' 30" W

SUMMIT COUNTY
SPRINGFIELD TWP
S.W. 1/4 SEC. 4
T-12 R-9

SUMMIT COUNTY
SPRINGFIELD TWP
S.W. 1/4 SEC. 4
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 4
T-12 R-9

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 4

DONALD J. REED & ALTA O. REED
(198) Cont. 0.95 Ac.
(198 LA) T.B.A. 0.08 Ac. P.R.O. 0.07 Ac. Cont. 0.15 Ac.

PHYLLIS D. BLONDHEIM
(202 LA) Cont. 0.84 Ac.

WALTER C. FERRELL & RUTH FERRELL
(203 LA) Cont. 0.34 Ac.

GLENN BENEDUM & DAISY BENEDUM
(205 LA) Cont. 0.34 Ac.
(205) T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.

GLADYS M. FERRELL & ESTATE OF WILLIAM J. FERRELL
(206 LA) Cont. 0.39 Ac.
(206) T.B.A. 0.04 Ac. P.R.O. 0.03 Ac. Cont. 0.07 Ac.

JAMES F. DOCY & ELIZABETH P. DOCY
(210) T.B.A. 0.06 Ac. P.R.O. 0.04 Ac. Cont. 0.10 Ac.

VIRGINIA LEE BROSCH
(199 LA) Cont. 1.12 Ac.
(199 A) T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.
(199) Cont. 0.07 Ac.

DEWITT C. MORRIS & OVA M. MORRIS
(200 LA) Cont. 1.15 Ac.
(200) T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.

GLENN BENEDUM & DAISY BENEDUM
(205 LA) Cont. 0.44 Ac.

EDMOND H. CORNER & WILDA J. CORNER
(206 LA) T.B.A. 0.46 Ac. P.R.O. 0.05 Ac. Cont. 0.51 Ac.

ALBERT P. OBORNE & RUTH L. OBORNE
(209 LA) T.D.A. 2.04 Ac. P.R.O. 0.36 Ac. Cont. 2.40 Ac.

GLADYS M. FERRELL & ESTATE OF WILLIAM J. FERRELL
(206 WA) T.B.A. 0.46 Ac. P.R.O. 0.05 Ac. Cont. 0.51 Ac.

DOSHIE SHEAVES
(211 LA) T.B.A. 2.74 Ac. P.R.O. 0.43 Ac. Cont. 3.17 Ac.
(211) T.B.A. 0.15 Ac. P.R.O. 0.06 Ac. Cont. 0.21 Ac.

DANIEL MORRIS & MILDRED E. MORRIS
(212 LA) T.B.A. 1.40 Ac. P.R.O. 0.07 Ac. Cont. 1.47 Ac.

GEORGE STEINER & SUSANNA STEINER
(213 LA) T.B.A. 1.42 Ac. P.R.O. 0.07 Ac. Cont. 1.49 Ac.

RUDOLPH H. HOLZSCHUH & IRENE HOLZSCHUH
(214 LA) T.B.A. 1.45 Ac. P.R.O. 0.07 Ac. Cont. 1.52 Ac.

VIOLET R. FOUTTY
(215 LA) T.B.A. 1.41 Ac. P.R.O. 0.07 Ac. Cont. 1.48 Ac.

LOYAL R. BUSSEY & ANNA M. BUSSEY
(216 LA) T.B.A. 1.30 Ac. P.R.O. 0.07 Ac. Cont. 1.37 Ac.

ROBERT A. BUSSEY & CAROLE SUE BUSSEY
(217 LA) T.B.A. 1.52 Ac. P.R.O. 0.11 Ac. Cont. 1.63 Ac.

LOYAL R. BUSSEY & DUSSEY & ANNA M. BUSSEY
(218 LA) T.B.A. 0.26 Ac. P.R.O. 0.03 Ac. Cont. 0.29 Ac.

HARRY FISCHMANN & ARDITH M. FISCHMANN
(219 LA) T.B.A. 0.10 Ac. P.R.O. 0.02 Ac. Cont. 0.12 Ac.
(219) T.B.A. 0.08 Ac. P.R.O. 0.06 Ac. Cont. 0.14 Ac.

MINERVA A. BOYLES
(207 LA) T.B.A. 0.54 Ac. P.R.O. 0.02 Ac. Cont. 0.56 Ac.
(207) P.R.O. 0.06 Ac.

RAY A. BOYLES

Sheet Completed
Date: 7-14-61

Revised
Date: 8-9-61
Added Parcels 200 WA, 205 WA, 206 WA, and 210 WA.
Changed Parcels 125 thru 133 to 211 thru 219.
Added Sta. 361+18; distance 207.50'.
Added Sta. 359+70.5; distance 423.50 (I.A.P.A.)
Deleted "L" in name of Daniel Morris.

Revised
Date: 10-16-61
Revised LA from Parcels 212 LA thru 219 LA

General Revisions 10-23-61

REVISED NAME PCL. 208-LA & 206 12-28-61

STA. 347+00 TO STA. 362+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

315

SUMMIT COUNTY
SUM-8-1.89

19
19
R/W

LOYAL R. BUSSEY & ANNA M. BUSSEY

North Line - Sec. 4 GREEN TWP. & SPRINGFIELD TWP. South Line-Track #1

HARRY FISCHMANN & ARDITH M. FISCHMANN

(219 LA) T.B.A. 0.08 Ac. P.R.O. 0.02 Ac. Cont. 0.10 Ac.

(219) T.B.A. 0.08 Ac. P.R.O. 0.06 Ac. Cont. 0.14 Ac.

MARY H. TREXLER

(221) Cont. 0.19 Ac.

JAMES P. WILSON & HELEN WILSON

(220) T.B.A. 0.14 Ac. P.R.O. 0.12 Ac. Cont. 0.26 Ac.

(220A) Cont. 0.19 Ac.

P.I. Sta. 12+39.57
Δ = 91°48'45"
R = 100.00'
T = 103.21'
L = 160.24

EARL SHERMAN

(222) T.B.A. 1.22 Ac. P.R.O. 0.07 Ac. Cont. 1.29 Ac.

RICHARD P. MAXWELL & SUSAN C. MAXWELL

(223) T.B.A. 0.11 Ac. P.R.O. 0.07 Ac. Cont. 0.18 Ac.

ERWIN HUBER & LOIS F. HUBER

(224) T.B.A. 0.37 Ac. P.R.O. 0.19 Ac. Cont. 0.56 Ac.

ALBERT R. RUTTIG & FLORENCE RUTTIG

(225) T.B.A. 0.06 Ac. P.R.O. 0.08 Ac. Cont. 0.14 Ac.

ARON MORGOVAN & MILDRED MORGOVAN

(226) T.B.A. 0.16 Ac. P.R.O. 0.18 Ac. Cont. 0.34 Ac.

ARON MORGOVAN & MILDRED MORGOVAN

(227) T.B.A. 0.06 Ac. P.R.O. 0.09 Ac. Cont. 0.15 Ac.

ARON MORGOVAN & MILDRED MORGOVAN

(228) T.B.A. 0.01 Ac. P.R.O. 0.04 Ac. Cont. 0.05 Ac.

MARGARET ANNAMAE RABER

SPRINGFIELD TWP. & COVENTRY TWP.

ARLINGTON ST.

CHENOWETH ROAD ACCESS

STA. 362+00

I.R. 77
P.I. Sta. 360+76.55
Δ = 43°12'00" Rt.
D = 1°28'00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

Match Line - Insert

Sta. 13+39.57

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 6

Sheet Completed Date: 7-14-61

Revised Date: 8-9-61
Change Parcels 134 thru 140 to 220 thru 226.
Revised Offset Sta. and distance at 366+17.
Added Acreages

REVISED PCL-221-NAME 11-10-61

REVISED R/W LINE PCL-225 ALSO AREA 3-6-62

CHENOWETH ROAD ACCESS-RIGHT OF WAY PLAN

This Improvement has been declared a Limited Access Highway from Canton, Ohio to Akron, Ohio by action of the Director of Highways and recorded in Volume Page of the Directors Journal persuant to law.

NW 4/11
SK
11-2-61

LOCATION PLAN

CANTON TO AKRON EXPRESSWAY
INTERSTATE 77 SUM-8-1.89
SUMMIT COUNTY, OHIO

GREEN TWP. R-9, T-12 Sec's. 25, 26, 23, 14, 15, 10, 9 & 4
SPRINGFIELD TWP. R-9, T-1, TRACT 1

569

Received 19
Recorded 19
Book 64 Page 970
at 2:23 P.M.
Summit County Recorder
$8.70

177-4(12) 105

297 | 1/2

LIMITED ACCESS HIGHWAY

I hereby certify that this plat is a true delineation of a survey made for the Ohio Department of Highways in 1961 by Michael Baker, Jr.
Michael Baker, Jr. Date May 29, 1961
Registered Land Surveyor, 6-3424

R/W

STATE OF OHIO — MICHAEL BAKER JR. — SURVEYOR — REGISTERED

CERTIFICATE OF APPROVAL
Approved Lowell L. Campbell
Date 7-3-61 Division Deputy Director

Scale in Feet
400 0 400 800

NOTE: True Bearings Established from Observation on Polaris.

BEGIN PROJECT Sta. 100+00

100 | 105+00 | 132+00 | N 33°10'30" W | ℄ INTERSTATE 77 | 150 | 54°13'20" | Sta. 157+47.30

NW¼ Sec. 25 SW¼ Sec. 24 | NE¼ Sec. 26 SE¼ Sec. 23 | SE¼ Sec. 23 SW¼ Sec. 23 | NW¼ Sec. 23 NW¼ Sec. 23 | Wise Road T.R. 290

15

Sta. 150+67.85 - ℳ = Sta. 10+00 - Wise Rd.

RAMP U | REST AREA | RAMP T
RAMP R | REST AREA | RAMP S

NE¼ Sec. 22 SE¼ Sec. 15 | NW¼ Sec. 23 SW¼ Sec. 14

1241.46' (by Deed)

PC Sta. 194+45.81

Graybill Road T.R. 246

5

59°21' (by Deed)

I.P.

172.90' | 181.98'

556.36'

95°37'05"

Sta. 200+03.14 - ℳ = Sta. 10+00 - Graybill Road

P.I. Sta. 207+80.99
Δ = 8°53'00" Lt.
D = 0°20'00"
R = 17,188.73'
T = 1335.18'
L = 2665.00'
E = 51.78'

PT Sta. 221+10.81 Bk. = Sta. 221+11.75 Ah.

N 42°03'30" W

Match Line

SE¼ Sec. 15 NE¼ Sec. 15 | SW¼ Sec. 14 NW¼ Sec. 14

NE¼ Sec. 16 SE¼ Sec. 9 | NW¼ Sec. 15 SW¼ Sec. 10 | SW¼ Sec. 9 NW¼ Sec. 9 | SE¼ Sec. 9 NE¼ Sec. 9 | NE¼ Sec. 8 SE¼ Sec. 5 | NW¼ Sec. 9 SW¼ Sec. 4 | NE¼ Sec. 9 SE¼ Sec. 4

S.R. 241 Massillon Road

15

Sta. 241+00 - ℳ = Sta. 19+86.08 - Massillon Road

246+00 | RAMP J | RAMP K | 250

271+00 | ℄ INTERSTATE 77 | N 42° 03' 30" W

291+00 | 1+26.0 30.0' I.P. | Sta. 292+49.66 ℳ = Sta. 10+00 Turkeyfoot Lake Rd | 8+42.2 30.0' I.P. | Turkeyfoot Lake Road S.R. 619 | 1693.3 (by Deed) | 5

Sta. 316+00 Bk. = Sta. 317+00 Ah.

300

RAMP A | RAMP C | 350

P.I. Sta. 360+76.55
Δ = 43°12'00" Rt.
D = 1°28'00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

Future Arlington St. Relocation CH15 | Future Ramp B | SEE INSERT | JARVIS ROAD RELOC.

END PROJECT SUM-8-1.89 Sta. 355+00

Future RAMP C-C

P.C. Sta. 345+29.85

21+23.77 19.28' I.P. | 44°33'50" | RAMP M | RAMP L | 25 (by Deed) 980.40' | 26+38.75 19.28' I.P.

15

NW¼ Sec. 15 SW¼ Sec. 10 | NE¼ Sec. 15 SE¼ Sec. 10 | NW¼ Sec. 15 SW¼ Sec. 10

SW¼ Sec. 10 NW¼ Sec. 10 | SE¼ Sec. 9 NE¼ Sec. 9

866.5' (by Deed)

45°13'55"

15

Arlington St. & W. Line Sec. 4

GREEN TWP.

44°36'05" | 1069.27' | 316.65' | Sta. 3801+61.42 Rt. 189.35

92°09'50" | 200.76' | 86.78' | 91°50'35" | COVENTRY TWP.

P.C. Sta. 345+29.85 | Sta. 358+46.53 | 982.46' | Sta. 361+35.89 | 795.31' | 80.00' T.P.

CHENOWETH RD. | 87°46'40" | TWP. LINE | SPRINGFIELD TWP. | Arlington St. & Twp. Line

INSERT
No Scale

NOTES:
1. Upper 6" to be formed.
2. Concrete to be Class "C."
3. Monuments to be placed by Contractor.

8" Min. | ½" Brass Rod 6" Long | 2" Below Ground Line | 6" | 36" | 8" Min.

CENTERLINE REFERENCE MONUMENT DETAIL
(Not to Scale)

SW¼ Sec. 4 T12N GREEN TWP. R9W
T1N SPRINGFIELD TWP. R10W
SOUTH BOUNDARY CONNECTICUT WESTERN RESERVE
TRACT No. 1
T1N COVENTRY TWP. R11W
TRACT No. 13

R/W LOCATION PLAN

◎ MONUMENT ASSEMBLY WILL BE SET DURING CONSTRUCTION ON CENTERLINE STATION SHOWN BELOW

Station	Location
105 + 00	℄
132 + 00	℄
157 + 47.30	℄
194 + 45.81	℄
Eq. 221 + 10.81 = 221 + 11.75	℄
246 + 00	℄
271 + 00	℄
291 + 00	℄
Eq. 316 + 00 = 317 + 00	℄
345 + 29.85	℄

(*) Indicates that a parcel has been added at the end of summary

SUMMARY OF ADDITIONAL R/W REQUIRED

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

298

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

2/19 R/W

I.R. 77 SUM-8-1.89 SUMMIT COUNTY, OHIO TOTAL NO. OF OWNERS 222

PARCEL NO.	OWNER	DEED RECORD BOOK	DEED RECORD PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
100 LA	The Board of County Commissioners, Summit Co. Ohio	3700	84	59.81	8.20		47.19	(L) 4.42	4	
101 LA	Agatha J. Ariss aka Agatha Ariss	3586	131	107.09	15.10		(L) 14.43	65.56	4 & 5	
102 LA	Joe Shewchik & Anna Shewchik	1993	640	107.48	10.49		87.11	8.04	5 & 6	
102	" " " " "				0.50				6	
102 A	" " " " "				0.40				6	
102 T	" " " " "				1.33				5 & 6	
103 LA	Steven A. Yarcheck & Mary Anne Yarcheck	3570	212	0.52	0.28			0.24	6	
103	a.ka. Mary A. Yarcheck	3109	671	2.00	0.16		1.16		6	
103 WA	" " " " " " "								6	
104 LA	Clayton Kepler	2094	231	110.00	28.38		56.83	24.03	7 & 8	
104	" "				0.36				6	
104 X	" "				0.01				8	
104 ALA	Blonna Brumbaugh	1774 1003	458 649	50.00	0.34		49.66		8	
105 LA	William Wise & Flossie Wise	1184	381	122.00	4.45		0.42	114.49	6 & 7	
105	" " " " " " " " "	30	3	(Transcript)	1.71				6	
105 A	" " " " " " " " "				0.17				6 & 7	
106 LA	Board of Education of Green Local School District	3891	396	17.73	1.11			16.62	8	
107 LA	Walter E. Towner & Dorothy E. Towner	3406	237	109.00	14.15		13.58	79.38	8, 9 & 10	
107	" " " " " " "				1.03				9	
107 A	" " " " " " "				0.05				9	
107 WA-1	" " " " " " "								9	Also 107 WA-2
108	Clark C. Hoehn & Helen M. Hoehn	2462	528	13.48	0.21		12.98		9	
108 A	" " " " " " "				0.06				9	
108 WA	" " " " " " "								9	
109	Carl G. Wasson & Mary E. Wasson	3888	277	5.99	0.12		5.80		9	
110	Carl E. Brenneman & Neva E. Brenneman	2325	280	10.40	0.01		10.37		9	
111 LA	Clara Franks, Paul G. Franks, Russell Franks &	3903	150	161.26	13.62		72.26	74.64	9 & 10	
111	Marjorie R. Williams	3251	331		0.44				9	
111 X	" " " " " "	1904	121		0.43				10	
111A X	" " " " " "				0.47				10	
112 LA	John Heller & Marie Heller	929	538	15.00	1.58		13.37		10	
112	" " " " "				0.005				11	
113 LA	Lula W. Thorn	3506	552	4.48	1.33			(L) 3.16	10	
114 LA	E.C. Thorn	3506	548	1.61	0.97			(L) 0.64	10	
115 LA	William J. Thorn & Lula W. Thorn	3821	644	3.28	1.37		1.75		10, 11 & 12	
115	" " " " " " "				0.08				11	
115 WA	" " " " " " "								11	
116 LA	Ustes C. Thorn & Mary L. Thorn	2724	575	3.00	0.58		2.24		10	
116	" " " " " " "				0.08				11	
116 WA	" " " " " " "								11	
117 LA	William J. Thorn	2332	397	3.00	0.14		2.81		10	
117	" " "				0.02				11	
117 WA	" " "								11	
118	Lula Thorn	3405	288	0.459	0.03		0.36		11	
120 LA	Joseph R. Flaker & Mildred A. Flaker	3507	363	1.50	0.46		0.89		11 & 12	
120	" " " " " " "				0.09	Yes			11	
120 WA	" " " " " " "								11	
121 LA	David M. Stalnaker & Mable Stalnaker	3315	654	5.00	1.10	Yes	0.08	(L) 2.01	11 & 12	
121	" " " " " "				0.02				11	Also 121 WA
122 LA	Victor M. Cordef	3679	632	0.32	0.32				11 & 12	
123 LA	Charles L. Vickers	3501	21	0.72	0.29		0.43		11	
123 WA	" " "								11	

PARCEL NO.	OWNER	DEED RECORD BOOK	DEED RECORD PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
124 LA	Frank Wolverton	3110	423	5.00	1.97		0.26	(L) 2.50	11 & 12	
124	" " " " " " "				0.15				11	
125	Everett P. Elliott	3818	617	0.72	0.15	Yes	0.47		11	
126 LA	Lloyd Grable & Dawn Grable	3383	80	38.36	2.81				11 & 12	Lots 7, 8, 9, 10 & 11
126A LA	" " " " "				0.13				12	Lot 15
126	" " " " "				0.26				12	Lots 1 & 2
126B LA	" " " " "				0.59				12	Lot 5
126C LA	" " " " "				0.07				12	Lot 2
127 LA	Stephen G. Lichtenberger & Barbara L. Lichtenberger	3699	516	Lot-13	0.43	Yes		0.08	12	
127 WA	" " " " " " " " "								12	
131 LA	Denzil C. Tatterson & Julia E. Tatterson	3419	169	0.70	0.63	Yes			12	
133 LA	Lucien P. Lamb & Janice L. Lamb	3700	274	Lot 26 103x232					12	Not Touched
134 LA	Peter P. Krajeck & Carmen V. Krajeck	3497	190	Lot-4	0.51	Yes		0.12	12	
135 LA	Harold L. Polen & Kathleen W. Polen	3419	171	Lot-3	0.39	Yes		0.24	12	
137	Eddie Robinson & Lilly Robinson	3393	158	0.68	0.15			0.46	12	
137 WA	" " " " "								12	
138	Dan W. Hoover & Martha A. Hoover	3061 3383	315 110	0.96 0.68	0.24			1.23	12	
139	Paul Pergl & Mary Pergl	3682	545	3.80	0.06			3.62	12	
*140 LA	Alta Stipe, Hazel L. Stipe, Martha A. Hoover & Harold R. Stipe	3892	316	45.053	13.42		20.29	8.94	11, 12 & 13	
140	" " "				0.34				12 & 13	
140 T	" " "				0.19				12	
141	E.R. Bolin & Ethel Bolin	850	135	10.00	0.11		7.48		11	Also 141 WA
*142	Cleda McCutcheon & Marie McCutcheon	2210	407	1.00	0.02		0.93		11	Also 142 WA
143	Robert K. Burns	2058	551	2.50	0.02		2.37		11	
143 WA	" " "								11	
144	Kermit Harold Burns	1858	335	2.50					11	(P.R.O. Only)
142A	Clayton A. Motz & Evelyn M. Motz	3316	194	1.00	0.02		0.98		11	Also 142 WA
148 LA	Willard R. LaVoie & Vivian V. LaVoie	2648	664	89.75	1.50		88.14		13	
148	" " " " " " "				0.09				11	
150 LA	Ida L. Lyons, Fola H. Carr, E. Gladys Bowers & Dale F. Carr	3782	295	136.75	14.51				13 & 14	
150 X	" " " "	1538	1		0.04				14	
153 LA	Harold Forringer & Gladys Forringer	3782	526	14.79	2.54	Yes	12.25		14	
154 LA	Mary Hamrick	3785 3785	231 235	0.64 0.52	0.74	Yes		0.44	14	
156 LA	Vincent A. Olenick & Marie R. Olenick	2094	325	8.12	1.28		5.78	1.06	14	
165	Harry Strosaker & Mabel V. Strosaker	2530	438	3.01	0.04			2.87	15	
168 LA	Floyd M. Thomas & Florence Mabel Thomas	2450	666	2.00	1.33	Yes		0.67	14	
168	" " " " " " "								15	(P.R.O. 0.08 Ac.)
169 LA	Roy Beal & Margaret M. Beal	2327	48	3.61	1.98	Yes	1.23	0.21	14 & 15	
169	" " " " " "				0.06				15	
170 LA	Robert G. Hoffman & Margaret E. Hoffman	2252	221	45.84	1.33		44.35		15	
170 WA	" " " " " " "								15	
173	Arnold V. Hall & Ruth N. Hall	2554	39	3.01	0.15			2.80	15	
174 LA	Dana York	1564	331	3.01	0.23	Yes		2.65	15	
174	" "				0.02				15	
174 T	" "				0.01				15	
175 LA	Ida M. Sowers	1316	583	3.01	0.76	Yes		2.15	15 & 16	
176 LA	Harry C. White & Jane C. White	2766	84	3.22	1.32	Yes		1.78	15 & 16	
*177 LA	Howard N. Marlow & Sue J. Marlow a.k.a	3107 1899	201 31	1.57 2.00	0.24		2.88		15	
177	Sue Marlow				0.35				15	

General Revisions 10-23-61

10-20-61 10-18-61

Deleted Parcel 173 T
Parcel 105 Revised Area

SUMMARY OF ADDITIONAL R/W REQUIRED

FED. ROAD DIVISION	STATE	PROJECT	
2	OHIO		

299

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

3/19 R/W

I.R. 77 SUM-8-1.89 SUMMIT COUNTY, OHIO TOTAL NO. OF OWNERS 222

PARCEL NO.	OWNER	DEED RECORD BOOK	DEED RECORD PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
178	Woodrow Jenkins	3181	198	2.00	0.18		1.73		15	
178 WA	" "	3164	557						15	
179	M. M. Carter	3818	360	1.029	0.04		.989		15	
180	WILLIAM G Ray & Mary Ruth Ray	3496	450	0.5871			0.5471		15	(P.R.O. 0.04 Ac.)
184 LA	Okey L. Hardman & Snow Hardman	2052	273	3.99	2.12	Yes		1.40	16	
184	" " " " " "				0.34	Yes			15&16	
185 LA	Harry F. Suttle	2992	140	0.42	0.04		0.34		16	
185	" " " " " " "	3817	276	0.03	0.02				15	
185 T	" " " " " " "				0.02				15	
187 LA	William A. Burke & Corda D. Burke a.k.a	2256 3312	461 526	3.00 2.00	2.94		1.62	(L)0.32	16	
187	Corda L. Burke				0.01				15	
188 LA	Ivor Leon Foss & Donna J. Foss	3311	498	2.00	0.12		1.88		16	
189 LA	Inez E. Pittman	2390	109	2.00	0.44		1.56		16	
190 LA	Melvin O. King & Helen King	3580	184	3.00	0.23		1.78		16	Deed area incorrect on Vol. 3580, Page 184 Former deed states 3.0077 acres.
*193 LA	The Farrissdale Corporation	3902	155	232.99	17.52	Yes	116.95	98.52	16&17	
194 LA	Charles S. Cromis & Agusta L. Cromis	2048	136	20.25	2.98		11.25	6.02	17	
195 LA	Garrett E. Blake	3297	450	20.70	3.62		7.57	9.51	17	
196 LA	James C. Young & Gerthia A. Young	3116	687	12.71	0.43			11.94	17	
196	" " " " " " "				0.04				17	
197 LA	James Edward Donovan	2048	460	2.50	0.67		1.83		17	
198 LA	Donald J. Reed & Alta O. Reed	2772	304	2.50	0.95		1.40		18	
198	" " " " " " "				0.08				18	
199 LA	Virgina Lee Brosch	1962	149	2.50	1.12		0.52		17	
199	" " " " " " "	3917	125		0.07				18	
199 A	" " " " " " "				0.10				18	
200 LA	DeWitt C. Morris & Ova M. Morris	1644	64	2.50	1.15		0.95	0.23	17&18	
200	" " " " " " "				0.10				18	
200 WA	" " " " " " "								18	
201	Arthur B. Coston & Patricia J. Coston	3306 1501	407 391	7.17				7.14	17	(P.R.O. 0.03 Ac.)
202 LA	Phyllis D. Blondheim	3051	617	1.25	0.84	Yes		0.41	17&18	
202 WA	" " "								17	
203 LA	Walter C. Ferrell & Ruth Ferrell	2651	124	0.92	0.34			0.58	17&18	
204 LA	Edmond H. Cromer & Hilda J. Cromer	3816	548	0.59	0.44	Yes	0.15		17&18	
205 LA	Glenn Benedum & Daisy Benedum	3406	19	1.25	0.34	Yes	0.74		18	
205	" " " " " "				0.10				18	
205 WA	" " " " "								18	Drive
206 LA	William J. Ferrell & Gladys M. Ferrell	2245	189	2.50	0.39	Yes	2.04		18	
206	" " " " " " "				0.04				18	
206 WA	" " " " " " "								18	Drive
207 LA	Ray A. Boyles & Minerva A. Boyles	2252	362	1.50	0.54	Yes		0.88	18	
207	" " " " " " "								18	(P.R.O. 0.06 Ac.)
208 LA	James E.D. Moore & Hazel E. Moore	2170	488	0.51	0.46	Yes			18	(Total Take)
209 LA	Albert P. Oborne & Ruth L. Oborne	2773	573	2.40	2.04	Yes			18	(Total Take)
210	James F. Docy & Elizabeth R. Docy	3789	645	0.32	0.06		0.22		18	
210 WA	" " " " " " "								18	Drive
211 LA	Doshie Sheaves	2381	514	5.42	2.74	Yes			18	
212 LA	Daniel Morris & Mildred E. Morris	2101	431	2.50	1.40	Yes		1.10	18	
213 LA	George Steiner & Susana Steiner	3387	639	2.50	1.42	Yes		1.08	18	
214 LA	Rudolph H. Holzschuh & Irene Holzschuh	2108	246	2.53	1.45	Yes		1.08	18	
215 LA	Violet R. Foutty	3101	680	2.50	1.41	Yes		1.09	18	
216 LA	Loyal R. Bussey & Anna M. Bussey	3371 1790	526 130	1.03 6.62	1.30			3.53	18	

PARCEL NO.	OWNER	DEED RECORD BOOK	DEED RECORD PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
217 LA	Robert A. Bussey & Carole Sue Bussey	3511	411	1.76	1.52	Yes		0.24	18	
218 LA	Loyal R. Bussey & Anna M. Bussey Reg Land	68	21134	0.29	0.26				18	(Total Take)
219 LA	Harry Fischman & Ardith M. Fischman Reg Land	106	32637	7.499	0.10			7.399	18	
219	" " " " " "				0.08				18&19	
219 WA	" " " " " "								18&19	
220	James P. Wilson & Helen Wilson Reg Land	106	32492	5.08	0.14			4.63	19	
220 A	" " " " " "				0.19				19	
220 WA	" " " " " "								19	
221	Pauline Leona Trexler Reg Title	108	33269	6.19	0.19			6.00	19	
222	Earl Sherman	3414 2989	678 323	5.72	1.22			4.44	19	
223	Richard P. Maxwell & Susan C. Maxwell	3510	218	1.00	0.11			0.82	19	
223 WA	" " " " " "								19	Drive
224	Erwin Huber & Lois F. Huber	2725 2725	277 269	13.77	0.37			13.21	19	
224 WA	" " " " " "								19	Also 224 A WA
225	Albert R. Ruttig & Florence Ruttig	2726	404	4.51	0.07			4.36	19	
225 WA	" " " " " "								19	Drive
226	Aron Morgovan & Mildred Morgovan	2044	60	10.00	0.16			9.66	19	
226 WA	" " " " "								19	Drive
227	Margaret AnnaMae Raber	2059	481	5.00	0.06			4.85	19	
228	Aron Morgovan & Mildred Morgovan	1961	308	5.00	0.01			4.95	19	
101 X	John S. Ariss & Agatha Ariss				0.06				4	
193 X	The Farrissdale Corporation				0.06				16	
140AX	Alta Stipe, Hazel L. Stipe, Martha A. Hoover & Harold R. Stipe				0.06				11	
177 WA	Howard N. Marlow & Sue J Marlow a.k.a. Sue Marlow								15	
140A T	Alta Stipe, Hazel L Stipe, Martha A. Hoover & Harold R Stipe				0.03				13	
142 T	Cleda McCutcheon & Marie McCutcheon				0.01				11	

General Revisions 10-23-61

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

300

4 / 19

R/W

SUMMIT COUNTY SUM-8-1.89

LIMITED ACCESS

END AQUISITION LT. SUM-8-14.00 STA. 98+27.5 | BEGIN AQUISITION LT. SUM-8-1.89 STA. 98+27.5

SUMMIT COUNTY GREEN TOWNSHIP N.W. 1/4 SEC. 25 T-12 R-9

BOARD OF COUNTY COMMISIONERS OF SUMMIT COUNTY, OHIO

100 LA Cont. 8.20 Ac.

SUMMIT COUNTY GREEN TOWNSHIP NE. 1/4 SEC. 26 T-12 R-9

109+64.7 / 150.00'

Wooded Area

Fence, Type "D"

Open Field

Limit of Construction

98+27.5 / 148.00'

Tree Line

N.E. 1/4 Sec. 26 / N.W. 1/4 Sec. 25

100-109 Lt

Marsh

100 LA Cont. 8.20 Ac.

Open Field

Wheat Field

111+65.0 ℄

35°15'

98 99 100 101 102 103 104 105 106 107 108 109 110 111

N 33° 10' 30" W

STA. 112+00 MATCH LINE

BEGIN PROJECT SUM 8-1.89
END PROJECT SUM 8-0.00

Fence

100-111 Rt

Barley Field

Limit of Construction

102+50 / 148.00'

Open Field

Limit of Construction

Fence, Type "D"

101 LA 15.10 Ac.

PAUL A. WILLIAMS & GRACE M. WILLIAMS

SUMMIT COUNTY GREEN TOWNSHIP N.W. 1/4 SEC. 25 T-12 R-9

END AQUISITION RT. SUM-8-14.00 STA. 102+50 | BEGIN AQUISITION RT. SUM-8-1.89 STA. 102+50

WISE'S MAYFAIR ALLOTMENT

Tower No. 327

Tree Line

111+50 / 150.00'

Wooded Area

AGATHA J. ARISS a.k.a. AGATHA ARISS

LEGEND FOR R/W FENCE ASSEMBLY

- Proposed Right of Way Fence Type "C"
- Proposed Right of Way Fence Type "A" & "D"
- C.P.A. Corner Post Assembly
- E.P.A. End Post Assembly
- I.A.P.A. Intermediate Anchor Post Assembly

Sheet Completed Date: 3-20-61
Revised Date: 5-10-61 General
Date: 10-16-61 Added Parcel 101X
Date: 10-23-61 General

SUMMIT COUNTY GREEN TOWNSHIP N.E. 1/4 SEC. 26 T-12 R-9

Wooded Area

113+60.5 / 150.00'

Fence, Type "D"

BOARD OF COUNTY COMMISSIONERS OF SUMMIT COUNTY, OHIO

100 LA Cont. 8.20 Ac.

118+98.7 / 150.00'

N.E. 1/4 Sec. 26 / S.E. 1/4 Sec. 23

Dead Trees

Marsh

Live Wires / Ground Wires

Tree Line

118-128

SUMMIT COUNTY GREEN TOWNSHIP S.E. 1/4 SEC. 23 T-12 R-9

Wooded Area

120+24 / 150.00'

Marsh

Fence

122+69 / 150.00'

Fence, Type "D"

AGATHA J. ARISS a.k.a. AGATHA ARISS

Open Cultivated

Tree Line

101 LA Cont. 15.10 Ac.

Limit of Construction

Road

12 13.37 Wire Elev.

12 03.94

12 04.01

12 04.21

12 13.64 Wire Elev.

117+94.8 ℄

54°45'

113 114 115 116 117 118 119 120 121 122 123 124 125 126 127

N 33° 10' 30" W

STA. 112+00 MATCH LINE

STA. 128+00 END SHEET

Dead Trees

Tree Line

125'

Ground Wires

Live Wires

Earth Road

60' Elm

36' Oaks

Corn Field

101 LA Cont. 15.10 Ac.

AGATHA J. ARISS aka. AGATHA ARISS

118+14.5 / 148.00' I.A.P.A.

119+64.5 / 102.00' I.A.P.A.

120+59 / 148.00' I.A.P.A.

Tower

125'

119+60 / 115.00'

114+82 / 150.00'

115+18 / 150.00'

Fence, Type "D"

Corn Field

Open Field

113+87.0 / 150.00'

116+89.5 / 150.00'

118+15 / 150.00'

120+58.5 / 150.00'

101 X Cont. 0.06 Ac.

SUMMIT COUNTY GREEN TOWNSHIP N.E. 1/4 SEC. 26 T-12 R-9

Wooded Area

SUMMIT COUNTY GREEN TOWNSHIP N.W. 1/4 SEC. 25 T-12 R-9

114+82 / 225.00'

115+18 / 225.00'

N.E. 1/4 Sec. 26 / N.W. 1/4 Sec. 25

Fence

OHIO EDISON CO. Easement Line

OHIO EDISON CO. 345 KV Power Line Star No. 1 Tower #326

75'

SUMMIT COUNTY GREEN TOWNSHIP S.E. 1/4 SEC. 23 T-12 R-9

ITEM SS-18
TOTAL LIN. FT. R/W FENCE
TYPE "A"
TYPE "C"
TYPE "D"

STA. 98+00 TO STA. 128+00 - RIGHT OF WAY PLAN

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. ¼ SEC. 23
T - 12 R - 9

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

301

5/19 R/W

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

Dwg.

JOE SHEWCHIK & ANNA SHEWCHIK

102 LA — T.B.A. 10.49 Ac.
P.R.O. 0.26 Ac.
Cont. 10.75 Ac.

102 T — Cont. 1.33 Ac.

Open Field

AGATHA J. ARISS a.k.a. AGATHA ARISS

Marsh

Tree Line

Wooded Area

132+53
150.00'

LA

Fence, Type "D"

Trees & Brush

Open Cultivated

20" Cherry
18" Cherry
24" Cherry
30" Cherry
6" Cherry

142+07
225.00'

142+50
200.00'

O.B.T.Co. #92722

102 T — Open Cultivated 1.33 Ac.

T

141+81
181.50'

142+38
150.00'

Old Akron Drive

30" Quad Poplar

STA. 128+00

STA. 144+00

BEGIN SHEET

END SHEET

129 130 131 132 133 134 135 136 137 138 139 140 141 142 143

N 33°10'30"W

102 LA

Marsh

Open Cultivated

Open Field

101 LA

Fence, Type "D"

136+79.5
150.00'

Tree Line

AGATHA J. ARISS
a.k.a
AGATHA ARISS

101 LA — Cont. 15.10 Ac.

JOE SHEWCHIK & ANNA SHEWCHIK

Sheet Completed
Date: 3-20-61

Revised
Date: 5-10-61
General
Date: 10-16-61
Revised Access Rd. on Parcel 102T
Date: 10-23-61
General

OK

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. ¼ SEC. 23
T - 12 R - 9

STA. 128+00 TO STA. 144+00 - RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

302

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

6/19 R/W

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 23
T-12 R-9

MATCH LINE SHEET NO. 7

MATCH LINE INSERT

END SHEET STA. 152

BEGIN SHEET STA. 144+00

WISE ROAD C.H. 250

WILLIAM WISE & FLOSSIE WISE

CLAYTON KEPLER

JOE SHEWCHIK & ANNA SHEWCHIK

STEVEN A. YARCHECK & MARY ANNE YARCHECK a.k.a. MARY A. YARCHECK

Open Field

Limit of Construction

Existg. R/W Line

Fence

Tree Line

Wooded Area

Marsh

Reloc. Drive Rt.

Fence, Type "D"

Fence, Type "D" 2

10' Gravel Drive

1½-Sty.-Wood & Stone Dwg.

6" Twin Elm

6" Conc. Pipe

O.B.T.Co. Pole 24/26

O.B.T.Co. Pole 24/27

O.B.T.Co. Pole 24/28

O.B.T.Co. Pole 24/25

O.B.T.Co. Pole 24/31

O.B.T.Co. Pole 24/32

O.B.T.Co. Pole 24/33

O.B.T.Co. #92920

O.B.T.Co. #92721

O.B.T.Co. #92722

O.E.Co. G.R. 2998

O.E.Co. G.R. 3448

O.E.Co. G.R. 3449

O.E.Co. G.R. 2961

O.E.Co. G.R. 2370

O.E.Co. G.R. 2371

104 X — Cont. 0.01 Ac.

104 LA — Cont. 28.38 Ac.

104 — T.B.A. 0.36 Ac.
P.R.O. 0.40 Ac.
Cont. 0.76 Ac.

105 LA — T.B.A. 4.45 Ac.
P.R.O. 0.26 Ac.
Cont. 4.71 Ac.

105 — T.B.A. 0.20 Ac.
P.R.O. 0.36 Ac.
Cont. 0.57 Ac.

105A — T.B.A. 0.17 Ac.
P.R.O. 0.14 Ac.
Cont. 0.31 Ac.

103 WA — T.B.A. 0.16 Ac.
P.R.O. 0.23 Ac.
Cont. 0.39 Ac.

103 LA — Cont. 0.28 Ac.

102 — T.B.A. 0.50 Ac.
P.R.O. 0.33 Ac.
Cont. 0.83 Ac.

102A — T.B.A. 0.40 Ac.
P.R.O. 0.35 Ac.
Cont. 0.75 Ac.

102 T — Cont. 1.29 Ac.

102 LA — T.B.A. 10.49 Ac.
P.R.O. 0.26 Ac.
Cont. 10.75 Ac.

Sheet Completed Date: 3-20-61
Revised Date: 5-10-61 General Date: 9-6-61 Added Access Rd. on Parcel 105 Date: 10-16-61 Revised Parcel 102T, Revised Reloc. Drive Rt on Parcel 102T, Changed Acreage on Parcel 102T Date: 10-18-61 Changed R/w Line & Acreage on Pel. 105

General Revisions 10-23-61

STA. 144+00 TO STA. 152+00 - RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

303

7/19 R/W

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

CLAYTON KEPLER

Match Line Sheet No.

LA

Open Field

Fence, Type "D"

152+68
148.00'
C.P.A.

155+40
150.00'

159+00
150.00'

159+00
148.00'
I.A.P.A.

161+00
170.00'

161+00
168.00'
I.A.P.A.

12" Elm

12" Elm
12" Elm
30" Elm

20" Elm

BEGIN SHEET STA. 152+00

MATCH LINE STA. 163+00

Tree Line

35°48'

157+50
℄

153 154 155 156 157 158 159 160 161 162

N 33°10'30"W

WILLIAM WISE & FLOSSIE WISE

105
T.B.A. 0.20 Ac.
P.R.O. 0.36 Ac.
Cont. 0.56 Ac.

105 LA
T.B.A. 4.45 Ac.
P.R.O. 0.26 Ac.
Cont. 4.71 Ac.

105A
T.B.A. 0.17 Ac.
P.R.O. 0.14 Ac.
Cont. 0.31 Ac.

CLAYTON KEPLER

104 LA
Cont. 28.38 Ac.

104
T.B.A. 0.36 Ac.
P.R.O. 0.40 Ac.
Cont. 0.76 Ac.

104 X
Cont. 0.01 Ac.

Open Field

Fence

Limit of Construction ?

Open Field

Fence, Type "D"

159+60
150.00'

Open Field

LA

160+30
200.00'

WILLIAM WISE
&
FLOSSIE WISE

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 23
T-12 R-9

N.W. 1/4 Sec. 23
N.E. 1/4 Sec. 23

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

Pump House ◇ Gas Well

Water Pump
10" Pine
Old Garage
2-Sty. Fr. Dwg.
1-Sty. Fr. Dwg.
15" Locust
16" Elm
24" Elm
24" Catalpa
2-24" Twin Elms
1-Sty. Fr. Out House
Shed
Wooded Area

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

20" Apple
18" Apple
Oil Pond
4" Apple
Relief Valve ◇
12" Apple
15" Apple
8" Elm
Pump House
2" Gas Line
4" 204#
10" Apple

170+00
170.00'

172+00
200.00'

LA

G

Fence, Type "D"

170+00
168.00'
I.A.P.A.

Sta. 171+50 End Fence, Type "D"
Begin Rest Area Fence

10" Elm

204.0'
175.5'
265.5'
258.0'

104 LA

CLAYTON KEPLER

Tree Line

Open Field

8" Elm

12" Elm

164 165 166 167 168 169 170 171

N 33° 10' 30" W

MATCH LINE STA. 163+00

END SHEET STA. 172+00

4" Elm
4" Elm
4" Elm
4" Elm

Open Field

Fence

CLAYTON KEPLER

Fence, Type "D"

170+00
148.00'
I.A.P.A.

4" Elm

LA

170+00
150.00'

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

OK

Sheet Completed
Date: April 18, 1961
Revised
Date: May 10, 1961
General
Date: 9-6-61
Added Access Rd.
on Parcel 105.
Added Park Fence
Offset.
Date: 10-23-61
General

STA. 152+00 TO STA. 172+00 — RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

304

8/19 R/W

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

Electrical Service for Rest Area to start from Pole at this approx. location as per Division conversation with Ohio Edison Co.

BLONNA BRUMBAUGH

176+50 450.00'
179+63 450.50' L.A.
181+33.5 450.50'
182+50 450.00'
Rest Area Fence
8"Ash 8"Ash 12"Ash 12"Elm 16"Ash 15"Ash
Cont. 0.34 Ac.
104A L.A.
181+48 448.00' C.P.A.
180+78.5 367.00'
L.A.
176+50 365.00'
176+52 448.00' C.P.A.
176+82 367.50' C.P.A.
177+02 367.50' C.P.A.
Gate
Fence, Type "C"
Limit of Construction
CLAYTON KEPLER
175+30 320.00'
L.A.
176+82 337.50' C.P.A.
176+52 363.00' C.P.A.
177+02 337.50' C.P.A.
175+32 318.00' C.P.A.
Rest Area Fence
25" Elm
REST AREA
181+48 263.00' C.P.A.
182+95 270.00'
104 X
185+03 204.00'
185+60 190.00'
182+50 265.00'
182+95 254.50'
183+20 270.00'
183+20 248.00'
Rest Area Fence
L.A.
Wooded Area
Fence, Type "D"
175+32 213.00' E.P.A.
175+30 215.00'
2" Gas Line
185+60 188.00' E.P.A.
CLAYTON KEPLER
Open Field
104 L.A. Cont. 28.38 Ac.
104 X Cont. 0.01 Ac.
T.B.A. 0.36 Ac.
104 P.R.O. 0.40 Ac.
Cont. 0.76 Ac.
Marsh
Tree Line
WALTER E. TOWNER & DOROTHY E. TOWNER
RAMP U
STA. 172+00
STA. 188+00
Fence
173 174 175 176 177 178 179 180 181 182 183 184 185 186 187
N 33°10'30" W
53°50'
183+55.0 ℄
107 L.A.
T.B.A. 14.15 Ac.
P.R.O. 0.29 Ac.
Cont. 14.44 Ac.
107 T.B.A. 1.03 Ac. P.R.O. 0.51 Ac. Cont. 1.54 Ac.
107A T.B.A. 0.05 Ac. P.R.O. 0.02 Ac. Cont. 0.07 Ac.
3-12" Elms Shrubs
Tree Line
Fence
BEGIN SHEET
END SHEET
Open Field (Plowed)
RAMP T
Tree Line
3' Creek
173+00 193.00' I.A.P.A.
173+00 195.00'
Fence, Type "D"
L.A.
175+55 255.00'
175+62 258.00' E.P.A.
Electrical service for Rest Area to start from Pole at this approx. location as per Division conversation with Ohio Edison Co.
6" Elm
Fence
12" Elm
175+60 260.00'
REST AREA
Open Field (Plowed)
182+41 158.00'
185+00 178.00' E.P.A.
Limit of Construction
188+00 170.00'
Fence, Type "D"
L.A.
Open Field
185+00 180.00'
WALTER E. TOWNER & DOROTHY E. TOWNER
Fence
183+85 283.50'
106 L.A.
Rest Area Fence
N.W. 1/4 Sec. 23
S.W. 1/4 Sec. 14
CLAYTON KEPLER
177+83 373.00' C.P.A.
Gate
Fence, Type "C"
178+02 368.00' C.P.A.
177+90 402.00' C.P.A.
178+10 397.00' C.P.A.
Rest Area Fence
Limit of Construction
175+60 450.00'
175+62 448.00' C.P.A.
180+28 450.00'
181+98 448.00' C.P.A.
BOARD OF EDUCATION OF GREEN LOCAL SCHOOL DISTRICT
106 L.A. Cont. 1.11 Ac.
182+00 450.00'
L.A.

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 14
T-12 R-9

Sheet Completed
Date: April 18, 1961
Revised
Date: May 10, 1961
General
Date: 10-16-61
Changed Name on Parcel 106 LA, Reloc'd. Sewage Treatment Plants on Parcel 104 LA
Date: 10-23-61
General

STA. 172+00 TO STA. 188+00 - RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

305

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

9/19 R/W

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 14
T-12 R-9

WALTER E. TOWNER & DOROTHY E. TOWNER

2" Gas Line G #2041

Wooded Area

Tree Line

189+00
150.00'

189+00
148.00'
I.A.P.A.

LA

R = 17,038.73'

Fence, Type "D"

Open Field

P.C. Sta. 194 + 45.81

195+00
147.80'

194+45.81
150.00'

P.I. Sta. 207 + 80.99
Δ = 8°53'00" Lt.
D = 0° 20'
R = 17188.734'
T = 1335.18'
L = 2665.00'
E = 51.78'

STA. 188+00 SHEET

189 190 191 192 193 194 195 196 197

N 33° 10' 30" W

STA. 198+00 MATCH LINE

107 LA

BEGIN SHEET

Shrubs

12" Elm

14" Elm

RAMP "S"

Open Field

194+45.81
168.00'
I.A.P.A.

188+00
170.00'

Limit of Construction

Fence, Type "D"

LA

R=17,358.73'

194+45.81
170.00'

WALTER E. TOWNER & DOROTHY E. TOWNER

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 14
T-12 R-9

2" Gas Line G #1774

Sheet Completed
Date: April 18, 1961
Revised
Date: May 10, 1961
General
Date: 10-23-61
General

P.I. Sta. 207 + 80.99
Δ = 8°53'00" Lt.
D = 0° 20'
R = 17188.734'
T = 1335.18'
L = 2665.00'
E = 51.78'

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 15
T-12 R-9

CLARA FRANKS, PAUL C. FRANKS, RUSSELL FRANKS & MARJORIE R. WILLIAMS — (111 LA) Cont. 13.62 Ac.; T.B.A. 0.44 Ac.; P.R.O. 0.30 Ac.; Cont. 0.74 Ac.

END SHEET STA. 202 + 00

201+76
821.00'

201+02
794.00'

201+90.5
807.50'

201+44
767.50'

201+20
701.50'

201+23.5
614.50'

200+59.5
414.50'

204+36.5
780.00'

201+02.5
711.00'

200+59.5
576.50'

200+80.5
582.30'

Existg. R/W Line

Limit of Construction

Fence

No Work

(111)

(110)

T.B.A. 0.01 Ac.
P.R.O. 0.02 Ac.
Cont. 0.03 Ac.

201+28
787.00'

CARL E. BRENNEMAN & NEVA E. BRENNEMAN

Fence, Type "D"

2" Ditch

200+96.5
764.50'

200+79.5
718.50'

200+12.5
521.00'

200+39.5
426.50'

200+36.5
594.00'

T.B.A. 0.06 Ac.
P.R.O. 0.11 Ac.
Cont. 0.17 Ac.

(108A)

CLARK C. HOEHN & HELEN M. HOEHN

T.B.A. 0.12 Ac.
P.R.O. 0.07 Ac.
Cont. 0.19 Ac.

CARL G. WASSON & MARY E. WASSON

(109)

200+02
449.00'

(108 WA)

199+44
386.50'

Earth Drive

199+86.5
335.00'

199+37
341.00'

(108)

T.B.A. 0.21 Ac.
P.R.O. 0.11 Ac.
Cont. 0.32 Ac.

Shrubs

Patio

Gar.

1½ Sty. Shingle Dwg.

CLARK C. HOEHN & HELEN M. HOEHN

S.E. 1/4 Sec. 15
S.W. 1/4 Sec. 14
20' Public Access Rd.
N 13° 37' E

2" Gas Line G #2041

200+92
150.00'

200+54.5
150.00'

200+43
150.00'

200+36.5
142.00'
E.P.A.

200+26.0
172.30'

200+44.5
158.00'

199+92.5
380.50'

200+07
186.50'

200+23
150.00'

200+04
142.00'
E.P.A.

200+02
150.00'

199+63
150.00'

199+70.5
214.00'

(107A)

R=17,038.73'

Fence, Type "D"

2" Gas Line G #1696

10" TPL #57

3" Gas Line #1696

Markers

Existg. R/W Line

At GRAYBILL ROAD

2" Stone Wall

F. Water House

Shrubs

Open Field

(111 LA)

(107 LA)

201+00
150.00'

201+00
148.00'

200+45
154.00'
T.A.P.A.

Sta. 200+03.14 M = Sta. 10+00 Graybill Rd.

200+45
156.00'

200+00
142.00'
E.P.A.

200+01.5
161.00'

199+84
163.50'

95° 37' 05"

199+70
142.00'
E.P.A.

199+61
166.00'

199+25
168.00'
I.A.P.A.

199+25
170.00'

R=17,358.73'

Fence, Type "D"

WALTER E. TOWNER & DOROTHY E. TOWNER

Open Field

201

200

199

N 33° 10' 30" W

MATCH LINE STA. 198 + 00

(107 LA) T.B.A. 14.15 Ac.; P.R.O. 0.29 Ac.; Cont. 14.44 Ac.

(107) T.B.A. 1.03 Ac.; P.R.O. 0.51 Ac.; Cont. 1.54 Ac.

(107A) T.B.A. 0.05 Ac.; P.R.O. 0.02 Ac.; Cont. 0.07 Ac.

WALTER E. TOWNER & DOROTHY E. TOWNER

200+09
595.50'

199+82
652.00'

199+39
561.00'

(107 WA2)

WA

199+04
611.50'

197+87.5
704.50'

198+25
723.00'

199+80
330.00'

199+80
502.50'

199+61.5
324.00'

O.B.T.Co. 450/14

6" Twin Wild Cherry

Existg. R/W Line

C.H. 248

G.R. 1852

199+18
220.00'

199+41.5
324.00'

(107)

198+53.5
419.00'

198+99
591.50'

198+81.5
584.00'

198+63.5
576.00'

O.B.T.Co. 450/15

Existg. R/W Line

198+34.5
478.00'

198+10
555.00'

197+80.5
700.00'

O.B.T.Co. 450/15

198+06.5
714.50'

(107 WA-1)

198+03
402.00'

197+83
461.00'

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 14
T-12 R-9

STA. 188+00 TO STA. 202+00 — RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

306

10/19 R/W

SUMMIT COUNTY SUM-8-1.89

LIMITED ACCESS

Sheet Completed Date: 4-28-61

Revised Date: 5-10-61 General

Date: 10-16-61 Revised Structure on Parcels 111X, 111A X & 111LA.

Date: 10-23-61 General

BEGIN SHEET STA. 202+00

MATCH LINE STA. 215+00

END SHEET STA. 230+00

MATCH LINE STA. 215+00

SUMMIT COUNTY GREEN TOWNSHIP S.E. 1/4 SEC. 15 T-12 R-9

P.I. Sta. 207+80.99
Δ = 8°53'00" Lt.
D = 0°20'00"
R = 17188.73'
T = 1335.18'
L = 2665.00'
E = 51.78'

R = 17,038.73'

R = 17,338.73'

Match Line

Match Line Left

Match Line Right

Limit of Construction

Open Field

Wooded Area

Fence, Type "A"

Fence

Tree Line

Pole

24" Wild Cherry

36" Oak

Meter House

6" Gas Line #17175

6" Gas Line #17741

6" Gas Line #16962

20" Pipe Line

202+46.0 ℄

204+31 150.00'

208+00 142.00' I.A.P.A.

210+00 148.00' I.A.P.A.

211+38.50 150.00'

212+12 150.00'

215+00 148.00' I.A.P.A.

217+00 142.00' I.A.P.A.

217+59.5 ℄

219+02.0 150.00'

220+70.5 150.00'

221+10.81 Bk. = 221+11.75 Ah. 150.00'

221+10.81 Bk. = 221+11.75 Ah. 148.00' I.A.P.A.

221+10.81 Bk. = 221+11.75 Ah. 148.00'

P.T. Sta. 221+10.81 Bk. = Sta. 221+11.75 Ah.

215+00 148.00' I.A.P.A.

216+19.8 150.00'

211+36 150.00'

212+00 150.00'

213+99 410.50'

214+14 389.00'

212+11.50 304.50'

212+69 271.00'

211+92.50 421.00'

211+52 460.00'

210+44 266.00'

210+52.50 350.00'

211+09.50 263.00'

211+16.50 337.00'

225+97.5 150.00'

226+12.5 166.50'

226+30 150.00'

226+99 82.50'

227+13 68.00'

227+27 54.00'

227+64.5 150.00'

227+93 150.00'

228+21 150.00'

228+12 29.50'

225+25.5 150.00'

225+76 71.50'

224+99 150.00'

223+39.5 112.50'

224+70.5 150.00'

223+77 150.00'

225+90 85.50'

226+55.5 150.00'

229+35 150.00'

229+70 181.00'

229+89.5 150.00'

202-213

202-210

223-225

215-230

WALTER E. TOWNER & DOROTHY E. TOWNER
(107) T.B.A. 1.03 Ac. P.R.O. 0.51 Ac. Cont. 1.54 Ac.
(107A) T.B.A. 0.05 Ac. P.R.O. 0.02 Ac. Cont. 0.07 Ac.

SUMMIT COUNTY GREEN TOWNSHIP S.W. 1/4 SEC. 14 T-12 R-9

(107 LA) T.B.A. 14.15 Ac. P.R.O. 0.29 Ac. Cont. 14.44 Ac.

(111 LA) Cont. 13.62 Ac.

CLARA FRANKS, PAUL C. FRANKS, RUSSELL FRANKS & MARJORIE R. WILLIAMS

(111 X) Cont. 0.43 Ac.

(111A X) Cont. 0.47 Ac.

(111) T.B.A. 0.44 Ac. P.R.O. 0.30 Ac. Cont. 0.74 Ac.

(112 LA) Cont. 1.58 Ac. T.B.A. 0.005 Ac.
(112) P.R.O. 0.04 Ac. Cont. 0.045 Ac.

JOHN HELLER & MARIE HELLER

(113 LA) Cont. 1.33 Ac.

LULA W. THORN

(114 LA) Cont. 0.97 Ac.

E.C. THORN

(115 LA) Cont. 1.37 Ac.
(115) T.B.A. 0.08 Ac. P.R.O. 0.09 Ac. Cont. 0.17 Ac.

WILLIAM J. THORN & LULA W. THORN

(116 LA) Cont. 0.58 Ac.
(116) T.B.A. 0.08 Ac. P.R.O. 0.10 Ac. Cont. 0.18 Ac.

USTES C. THORN & MARY L. THORN

(117 LA) Cont. 0.14 Ac.
(117) T.B.A. 0.02 Ac. P.R.O. 0.03 Ac. Cont. 0.05 Ac.

WILLIAM J. THORN

40' Private Drive

2' Gas Line

DAVID M. STALNAKER & MABLE STALNAKER.

SUMMIT COUNTY GREEN TOWNSHIP N.E. 1/4 SEC. 15 T-12 R-9

S.E. 1/4 Sec. 15 N.E. 1/4 Sec. 15

S.E. 1/4 Sec. 15 S.W. 1/4 Sec. 14

45°18'

36°16'

N 33°10'30" W

N 42°03'30" W

N 42°03'30" W

STA.202+00 TO STA.230+00 - RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

307

11/19

R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.1/4 SEC.15
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.E.1/4 SEC.15
T-12 R-9

KERMIT HAROLD BURNS
144 P.R.O. 0.04 Ac.

ROBERT K. BURNS
143 T.B.A. 0.02 Ac.
P.R.O. 0.11 Ac.
Cont. 0.13 Ac.

CLEDA McCUTCHEON & MARIE McCUTCHEON
142 T.B.A. 0.02 Ac.
P.R.O. 0.05 Ac.
Cont. 0.01 Ac.
142 T Cont. 0.01 Ac

CLAYTON A. MOTZ & EVELYN M. MOTZ

JOHN HELLER & MARIE HELLER
112 T.B.A. 0.005 Ac.
P.R.O. 0.04 Ac.
Cont. 0.045 Ac.
112 LA Cont. 1.58 Ac.

LULA THORN
118 T.B.A. 0.03 Ac.
P.R.O. 0.07 Ac.
Cont. 0.10 Ac.

142A T.B.A. 0.02 Ac.
P.R.O. 0.05 Ac.
Cont. 0.07 Ac.

E.R. BOLIN & ETHEL BOLIN
141 T.B.A. 0.11 Ac.
P.R.O. 0.36 Ac.
Cont. 0.47 Ac.

WILLIAM V. THORN
117 Cont. 0.14 Ac.
117 LA T.B.A. 0.02 Ac.
117 P.R.O. 0.03 Ac.
Cont. 0.05 Ac.

USTES C. THORN & MARIE L. THORN
116 LA Cont. 0.58 Ac.
116 T.B.A. 0.08 Ac.
P.R.O. 0.10 Ac.
Cont. 0.18 Ac.

WILLIAM J. THORN
LULA W. THORN
115 Cont. 1.37 Ac.
115 T.B.A. 0.08 Ac.
P.R.O. 0.09 Ac.
Cont. 0.17 Ac.

JOSEPH R. FLAKER & MILDRED A. FLAKER
120 LA Cont. 0.46 Ac.
120 T.B.A. 0.09 Ac.
P.R.O. 0.06 Ac.
Cont. 0.15 Ac.

CHARLES L. VICKERS
123 LA Cont. 0.29 Ac.

DAVID M. STALNAKER & MABLE STALNAKER
121 LA Cont. 1.80 Ac.

VICTOR M. CORDER
122 LA Cont. 0.32 Ac.

EVERETT P. ELLIOTT
125 T.B.A. 0.02 Ac.
P.R.O. 0.01 Ac.
Cont. 0.03 Ac.

FRANK WOLVERTON
124 T.B.A. 1.97 Ac.
P.R.O. 0.03 Ac.
Cont. 2.00 Ac.
124 T.B.A. 0.15 Ac.
P.R.O. 0.09 Ac.
Cont. 0.24 Ac.

LLOYD GRABLE & DAWN GRABLE
126 LA T.B.A. 2.81 Ac.
P.R.O. 0.81 Ac.
Cont. 3.62 Ac.
126 T.B.A. 0.26 Ac.
P.R.O. 0.10 Ac.
Cont. 0.36 Ac.
126C LA T.B.A. 0.07 Ac.
P.R.O. 0.04 Ac.
Cont. 0.11 Ac.
126A LA T.B.A. 0.13 Ac.
126B LA T.B.A. 0.59 Ac.
P.R.O. 0.01 Ac.
Cont. 0.60 Ac.

WILLARD R. LaVOIE & VIVIAN V. LaVOIE
148 T.B.A. 0.09 Ac.
P.R.O. 0.02 Ac.
Cont. 0.11 Ac.
148 LA Cont. 1.65 Ac.

ROBINWOOD ESTATES
A Subdivision in the N.E. 1/4 Sec. 15
Township 12 (Green) Range 9
Summit County, Ohio
Plat 50 Pages 29 & 30

EVERETT P. ELLIOTT
125 T.B.A. 0.15 Ac.
P.R.O. 0.10 Ac.
Cont. 0.25 Ac.

140 LA T.B.A. 13.42 Ac.
P.R.O. 0.58 Ac.
Cont. 14.00 Ac.
140 T.B.A. 0.34 Ac.
P.R.O. 0.43 Ac.
Cont. 0.77 Ac.
140 T Cont. 0.19 Ac.
140B Cont. 0.06 Ac.

Sheet Completed Date: 4-28-61
Revised Date: 5-10-61
General Date: 9-13-61
Parcel 124-Changed Name
Parcel 140-Changed Name
Added Parcel 142 A & 142 B WA
Changed Parcel 126 LA to 126 A LA, 126 B LA & 126 C LA
Date: 10-16-61
Added Parcel 140 AT. Changed Offsets from Sta. 242+50 to 242+70.

BEGIN SHEET STA 230+00

END SHEET STA. 245+00

MATCH LINE

SHEET NO. 12

General Revisions 10-23-61
Parcel 141 Revised Station Offsets 10-20-61

STA. 230+00 TO STA. 245+00 - RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

308

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

12/19 R/W

ROBINWOOD ESTATES
A Subdivision in the N.E. 1/4 Sec. 15
Township 12 (Green) Range 9
Summit County, Ohio
Plat 50 Pages 29 & 30

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 15
T-12 R-9

BEGIN SHEET STA. 230+00

MATCH LINE SHEET NO. 237

END SHEET STA. 245+00

MATCH LINE STA. 26+00

WILLIAM J. THORN & LULA W. THORN
JOSEPH R. FLAKER & MILDRED A. FLAKER
VICTOR M. CORDER
DAVID M. STALNAKER & MABLE STALNAKER
FRANK WOLVERTON
STEPHEN G. LICHTENBERGER & BARBARA L. LICHTENBERGER
LLOYD GRABLE & DAWN GRABLE
ROBINWOOD DRIVE
DENZIL C. TATTERSON & JULIA E. TATTERSON
MASSILLON ROAD
ALTA STIPE, HAZEL L. STIPE, MARTHA A. HOOVER & HAROLD R. STIPE
JANICE L. LAMB
HAROLD L. POLEN & KATHLEEN W. POLEN
JOHN MADJAR & SUSAN MADJAR
RABER ROAD
RABER TERRACE
PAUL PERGL & MARY PERGL
DAN W. HOOVER & MARTHA A. HOOVER
EDDIE A. ROBINSON & LILLY ROBINSON

120 LA — Cont. 0.46 Ac.
120 — T.B.A. 0.09 Ac., P.R.O. 0.06 Ac., Cont. 0.15 Ac.
115 LA — Cont. 1.37 Ac.
115 — T.B.A. 0.08 Ac., P.R.O. 0.09 Ac., Cont. 0.17 Ac.
121 LA — Cont. 1.10 Ac.
121 — T.B.A. 0.02 Ac., P.R.O. 0.01 Ac., Cont. 0.03 Ac.
122 LA — Cont. 0.32 Ac.
124 LA — T.B.A. 1.97 Ac., P.R.O. 0.03 Ac., Cont. 2.00 Ac.
124 — T.B.A. 0.15 Ac., P.R.O. 0.09 Ac., Cont. 0.24 Ac.
126 LA — T.B.A. 0.43 Ac., P.R.O. 0.01 Ac., Cont. 0.44 Ac.
126A LA — T.B.A. 0.07 Ac., P.R.O. 0.04 Ac., Cont. 0.11 Ac.
126B LA — T.B.A. 0.26 Ac., P.R.O. 0.10 Ac., Cont. 0.36 Ac.
126C LA — T.B.A. 2.81 Ac., P.R.O. 0.81 Ac., Cont. 3.62 Ac.
126A LA — T.B.A. 0.13 Ac.
126B LA — T.B.A. 0.59 Ac., P.R.O. 0.01 Ac., Cont. 0.60 Ac.
131 LA — T.B.A. 0.63 Ac., P.R.O. 0.07 Ac., Cont. 0.70 Ac.
134 LA — T.B.A. 0.51 Ac., P.R.O. 0.07 Ac., Cont. 0.58 Ac.
135 LA — T.B.A. 0.39 Ac., P.R.O. 0.07 Ac., Cont. 0.46 Ac.
137 — T.B.A. 0.15 Ac., P.R.O. 0.07 Ac., Cont. 0.22 Ac.
138 — T.B.A. 0.24 Ac., P.R.O. 0.17 Ac., Cont. 0.41 Ac.
139 — T.B.A. 0.06 Ac., P.R.O. 0.12 Ac., Cont. 0.18 Ac.
140 LA — T.B.A. 13.92 Ac., P.R.O. 0.58 Ac., Cont. 14.50 Ac.
140 — T.B.A. 0.34 Ac., P.R.O. 0.43 Ac., Cont. 0.77 Ac.
140 T — T.B.A. 13.42 Ac., P.R.O. 0.58 Ac., Cont. 14.00 Ac.
140 T — T.B.A. 0.34 Ac., P.R.O. 0.43 Ac., Cont. 0.77 Ac.
140 T — Cont. 0.19 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 15
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 10
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 15
T-12 R-9

Sheet Completed
Date: 4-28-61
Revised
Date: 5-10-61 General
Date: 6-20-61 General
Date: 9-13-61
Parcel 124-Changed Name
Parcel 140-Changed Name
Changed Parcel 126 LA to 126 A LA, 126 B LA & 126 C LA
Date: 10-16-61
Revised Raber Rd. Approach

General Revisions 10-23-61

STA. 230+00 TO STA. 245+00 - RIGHT OF WAY PLAN

011

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

309

13/19 R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

140 LA — T.B.A. 13.42 Ac.; P.R.O. 0.58 Ac.; Cont. 14.00 Ac.

140 — T.B.A. 0.34 Ac.; P.R.O. 0.43 Ac.; Cont. 0.77 Ac.

140 T — Cont. 0.19 Ac.

140 A T — Cont. 0.03 Ac.

ALTA STIPE,
HAZEL L. STIPE,
MARTHA A. HOOVER &
HAROLD R. STIPE

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.1/4 SEC.15
T-12 R-9

WILLARD R. LaVOIE &
VIVIAN V. LaVOIE

148 LA — Cont. 1.50 Ac.

148 — T.B.A. 0.09 Ac.; P.R.O. 0.02 Ac.; Cont. 0.11 Ac.

BEGIN SHEET

STA. 245 + 00

245+45 312.00' E.P.A.

248+20 150.00'

248+20 148.00' I.A.P.A.

246+50 255.50' I.A.P.A.

248+09 188.00' I.A.P.A.

248+09 190.00'

246+50 257.50'

251+50 174.00'

252+00 200.00'

252+30 170.00'

253+34.5 165.50'

255+00 ℄

255+13 13.00'

256+48.5 150.00'

256+67 139.50'

256+77.5 148.00' I.A.P.A.

256+77.5 150.00'

259+57.5 150.00'

STA. 260 + 00

END SHEET

LA

Cultivated Field
Corn

Cultivated Field
Wheat

Small Trees

Light Brush

Fence, Type "D"

Fence

36" Oak

Limit of Construction

Wooded Area

Morsh

N 42°03'30"W

45°08'

55" Oak

40"

24" Poplar

36" Poplar

Tree Line

Cleared

15" Maples

24" Oak

36" Oak

Cultivated Field

6" Wild Cherry

15" Apple

15" Pear

6" Plum

5" Plum

18" Apple

6" Wild Cherry

Corn Shed

18" Walnut

Plum

5" Walnut

3-4" Quince

4" Evergreens

8" Pear

2-15" Walnuts

2-Sty. Fr. Shingle Dwg.

2-Sty. Brick Dwg.

10" Apple

Wood Post

Lilacs

2-Sty. Fr. Shed

Br.

8" Apple

10" Apple

Pear

10" Cherry

10" Maple

Wood Post

Fr. Shed

Shed

Shrub

18" Cherry

30" Cherry

G.R. #389

Fr. Shed

Cattle Feeding Shed

Timber Block

Frame Barn

Overhang

Fence

Stone Foundation Abandoned Slip

Cleared Pasture

Existg. R/W Line

MASSILLON ROAD
Bituminous

N.W.1/4 Sec.15
N.E.1/4 Sec.15

104.3/18

SUMMIT COUNTY
GREEN TOWNSHIP
N.E.1/4 SEC.15
T-12 R-9

For Massillon Rd. Area
See Sheet No. 1

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.1/4 SEC.15
T-12 R-9

ALTA STIPE, HAZEL L. STIPE,
MARTHA A HOOVER & HAROLD R. STIPE

N.W.1/4 Sec.15
S.W.1/4 Sec.10

SUMMIT COUNTY
GREEN TOWNSHIP
S.W.1/4 SEC.10
T-12 R-9

JOHN MADJAR &
SUSAN MADJAR

IDA L. LYONS, FOLA H. CARR
E. GLADYS BOWERS &
DALE F. CARR

150 LA — Cont. 14.51 Ac.

OK

Sheet Completed
Date: 6/20/61

Revised
Date: 10-23-61
General

STA. 245+00 TO STA. 260+00 — RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

310

14
19

R/W

BEGIN SHEET STA. 260+00

MATCH LINE STA. 274+00

WILLARD R LaVOIE &
VIVIAN V LaVOIE

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

262+00
150.00'

263+00
160.00'

262+00
148.00'
I.A.P.A.

263+00
158.00'
I.A.P.A.

LA

Limit of Construction

Fence, Type "D"

Wooded Area

IDA L. LYONS, FOLA H. CARR
E. GLADYS BOWERS &
DALE F. CARR

150 LA Cont. 14.51 Ac.

272+00
160.00'

273+00
150.00'

272+00
158.00'
I.A.P.A.

273+00
148.00' I.A.P.A.

Wooded Area

Rt of Way (Cleared)

None

36" Poplor
30"
36" Poplor
40" Poplor
40" Poplor
32" Poplor
30" Beech
15" Twin Oak
24"
Spring
20" Poplor
30" Elm
18" Poplor
2-20" Oaks
24" Poplor
2-15" Twin Oaks
24" Poplor
30" Poplor
28" Poplor
32" Poplor
38" Poplor
28" Poplor
26"
32" Oak
24" Poplor
20" Wild Cherry
28" Poplor
32" Oak
3-40" Elms
18" Poplor
30" Poplor
32" Poplor
40" Poplor
30" Oak
28" Poplor

261 262 263 264 265 266 267 268 269 270 271 272 273

N 42°03'30" W

150 LA

264+00
148.00'
I.A.P.A.

267+00
158.00'
I.A.P.A.

Limit of Construction

Wooded Area

Fence, Type "D"

LA

264+00
150.00'

267+00
160.00'

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

Wooded Area

274+00
158.00'
I.A.P.A.

274+00
160.00'

6" Sinclair Pipe Line Co.
8" Flood Conservancy

MATCH LINE STA. 274+00

BEGIN SHEET STA. 274+00

S.E. 1/4 Sec. 9
S.W. 1/4 Sec. 10

277+20
150.00'

153 LA Cont. 2.54 Ac.

HAROLD FORRINGER &
GLAYDS FORRINGER

Fr. Privy 4½' Dia.

4" Maple

Fence, Type "D"

Wooded Area

Cleared

Limit of Construction

IDA L. LYONS, FOLA H. CARR,
E. GLADYS BOWERS &
DALE F. CARR

150 LA Cont. 14.51 Ac.

24" Oak

Tree Line

44°-32'

278+73
℄

275 276 277 278 279 280 281 282

N 42°03'30" W

28" Oak
38" Poplor
30" Poplor
24" Oak
24" Beech
36" Elm
30" Oak
30" Elm

Septic Tank

2-10' C.M.P.

Ave. 4" Trees

274+00
158.00'
I.A.P.A.

275+00
148.00'
I.A.P.A.

274+00
160.00'

275+00
150.00'

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

3' Ave. Width
2' Ave. Depth

Wooded Area

Fence, Type "D"

LA

Cont. 0.04 Ac.

150 X

279+90
150.00'

280+10
150.00'

280+24
150.00'

280+76
201.00'

279+90
232.00'

280+10
232.00'

12" Ditch

Cinder Road

Cleared

Limit of Construction

30" Oak

24" Oak

Recreation Area

Swale

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 9
T-12 R-9
281.87.5
150.00'

283.79.5
150.00'

ROBERT G. HOFFMAN &
MARGARET E. HOFFMAN

Scattered 1"-4" Trees & Pasture

Fence

283+85
144.00'

Tree Line

6" Maple
12" Maple

284+71
230.00'

169 LA T.B.A. 1.98 Ac.
P.R.O. 0.01 Ac.
Cont. 1.99 Ac.

169 T.B.A. 0.06 Ac.
P.R.O. 0.12 Ac.
Cont. 0.18 Ac.

Heavy Brush & Trees

285+49
150.00'

285+00
148.00'
I.A.P.A.

ROY BEAL &
MARGARET M. BEAL

15' Ave Width
1' Ave Depth

LA

6" Pear

Fr. Dwg.

Auto Painter

Fr. Shed

Well House

Light

6" V.C.P. Water Tap

Shrub

Log Foot Bridge & B.R. #3558

Block Wall Conc.

2" Willow

4" Maple

Under Block Fdn.

Light

B.R. #3374

Earth Drive

VINCENT A. OLENICK &
MARIE R. OLENICK

283+00
148.00'
I.A.P.A.

156 LA Cont. 1.28 Ac.

283+85
142.50'
I.A.P.A.

168 LA Cont. 1.33 Ac.

Clump of 6-1" Dogwood

Open field

4" Plum

6" Twin Elm

Lawn

Drive

283+07
31.50'

Wooded Area

3" Apple
4" Apple
2" Plum
4" Plum

168 T.B.A.
P.R.O. 0.08 Ac.
Cont. 0.08 Ac.

6" Apple
8" Apple
6" Apple
8" Apple
2" Plum
2" Apricot
6" Plum

Tree Line

283 284 285 286 287

6" Dogwood
6" Plum
4" Apple
4" Apple

283+28
119.00'
C.P.A.

28" Slump

12" V.C.P.

Trees

1" Maple

10" Elm

Clump

MARY HAMRICK
B.R. #3373

Cont. 0.74 Ac.

154 LA

Dead Pole

Steel Fence Post

Drive

282+98
148.00' C.P.A.

Cleared Area

12" Ash
4" Ash

24" Oak
1-Sty Fr. Dwg.

24" Maple

284+81.5
141.00'

2" Pine Seedlings

30" Oak

FLOYD M. THOMAS &
FLORENCE MABEL THOMAS

168 LA

10" Apple

284+91
150.00'

285+50.5
148.00'
I.A.P.A.

286+70.5
150.00'

2-4" Plums

LA

Fr. Storage Bldg.

6" Pine Shrubs

3" Cherry

2" Scott Pine

4" Maple

Wooded Area

JACK WHITE &
PATRICIA WHITE

Fr. Garage

10' Gravel Dr.

Conc.

3-12" Apples

Storage Trailers Box

Gravel Parking

281+27
150.00'

282+98
150.00'

283+28
121.00'

15"-12" C.M.P.

JACOB LUCKEY

House Trailer

Wooded Area

283+59.5
150.00'

284+73
150.00'

4'x5' Privy

1-Sty Stucco Dwg.

1-Sty Stucco Dwg & Storage

Guy Anchor

B.R. #2704

8" Cinder Drive

Swale

1-Sty Stucco Dwg.

Fr. Shed

Fr. Dwg.

Trees

Fence

ROBERT G. HOFFMAN &
MARGARET E. HOFFMAN

277 - 288

280 - 288

Sheet Completed
Date: 6/20/61
Revised
Date: 10-16-61
Added Parcel 150X
Date: 10-23-61
General

STA. 260+00 TO STA. 288+00 — RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

311

15
19
R/W

165 SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

HARRY W. STROSAKER
EMBLE V. STROSAKER
165 T.B.A. 0.04 Ac.
P.R.O. 0.10 Ac.
Cont. 0.14 Ac.

INEZ E. PITTMAN
IVOR LEON FOSS
DONNA J. FOSS
WILLIAM A. BURKE & CORDA D. BURKE a.ka. CORDA L. BURKE
HARRY F. SUTTLE
SUMMIT COUNTY GREEN TOWNSHIP N.E.¼ SEC.9 T-12 R-9
IDA M. SOWERS
ARNOLD V. HALL & RUTH N. HALL
DANA YORK
SUMMIT COUNTY GREEN TOWNSHIP N.W.¼ SEC.10 T-12 R-9
SUMMIT COUNTY GREEN TOWNSHIP S.E.¼ SEC.9 T-12 R-9
SUMMIT COUNTY GREEN TOWNSHIP S.W.¼ SEC.10 T-12 R-9
CHRISTIAN E. RHONEMUS & SHERMAN S. DALBEY
ROBERT E. FULKS & RAMONA J. FULKS
WILLIAM G. RAY & MARY RUTH RAY
M.M. CARTER
HOWARD N. MARLOW & SUE J. MARLOW a.ka. SUE MARLOW
ROBERT G. HOFFMAN & MARGARET E. HOFFMAN
ROY BEAL & MARGARET M. BEAL
WOODROW JENKINS
HAROLD H. KITTLE & IRENE KITTLE
WILLIAM A. MASON & NELLIE VIOLA MASON
DUNCAN
E. GIGGER
EDITH L. MORRISON
VINCENT A. OLENICK & MARIE R. OLENICK
FLOYD M. THOMAS & FLORENCE MABEL THOMAS
BIRD E. MONTGOMERY
WILLIAM PAUL HIGGINS Jr. & DELCIE HIGGINS
JACK WHITE & PATRICIA WHITE
IDA L. LYONS, FOLA H. CARR, E. GLADYS BOWERS & DALE F. CARR

N.E.¼ Sec. 9 S.E.¼ Sec. 9 N.W.¼ Sec. 10 S.W.¼ Sec. 10
TURKEYFOOT LAKE ROAD
PICKLE ROAD
MATCH LINE STA. 15+00
STA. 294+00 SHEET END
STA. 288+00 BEGIN SHEET
N 42°03'30" W
45°13'55"
Sta. 252+49.66 NL = Sta. 10+00 Turkeyfoot Lake Rd.
Sta. 19+66.60 - Turkey Foot Lake Road
Sta. 0+00.00 - Pickle Road

FLOYD M. THOMAS & MABEL THOMAS
168 LA Cont. 1.33 Ac.
168 T.B.A. — P.R.O. 0.08 Ac. Cont. 0.08 Ac.

MARGARET M. BEAL & ROY BEAL
169 LA T.B.A. 1.98 Ac. P.R.O. 0.01 Ac. Cont. 1.99 Ac.
169 T.B.A. 0.06 Ac. P.R.O. 0.12 Ac. Cont. 0.18 Ac.

ARNOLD V. HALL & RUTH N. HALL
173 T.B.A. 0.15 Ac. P.R.O. 0.10 Ac. Cont. 0.25 Ac.

DANA YORK
174 LA T.B.A. 0.23 Ac. P.R.O. 0.10 Ac. Cont. 0.34 Ac.
174 Cont. 0.02 Ac.
174 T Cont. 0.01 Ac.

IDA M. SOWERS
175 LA T.B.A. 0.76 Ac. P.R.O. 0.10 Ac. Cont. 0.86 Ac.

HOWARD N. MARLOW & SUE J. MARLOW a.ka. SUE MARLOW
177 LA T.B.A. 0.24 Ac. P.R.O. 0.03 Ac. Cont. 0.27 Ac.
177 T.B.A. 0.35 Ac. P.R.O. 0.06 Ac. Cont. 0.41 Ac.

HARRY C. WHITE & JANE C. WHITE
176 LA T.B.A. 1.32 Ac. P.R.O. 0.11 Ac. Cont. 1.43 Ac.

OKEY L. HARDMAN & SNOW HARDMAN
184 LA Cont. 2.12 Ac.
184 T.B.A. 0.34 Ac. P.R.O. 0.10 Ac. Cont. 0.44 Ac.

HARRY F. SUTTLE
185 LA Cont. 0.04 Ac.
185 T.B.A. 0.02 Ac. P.R.O. 0.05 Ac. Cont. 0.07 Ac.
185 T Cont. 0.02 Ac.

WILLIAM A. BURKE & CORDA D. BURKE a.ka. CORDA L. BURKE
187 LA Cont. 2.94 Ac.
187 T.B.A. 0.01 Ac. P.R.O. 0.11 Ac. Cont. 0.12 Ac.

Sheet Completed Date: 6/20/61
Revised Date: 10-16-61 Revised R/W on Parcel 179 Removed Parcels 177T, 178T & 179T & 173T Added Parcels 178WA & 177 WA Date: 10-23-61 General

OK

STA. 288+00 TO STA. 294+00 - RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

312

16 / 19 R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.¼ SEC.9
T-12 R-9

WOODROW JENKINS & 6.0" 22 Spruce — 178 — 177 — HOWARD N. MARLOW & SUE J. MARLOW a.ka. SUE MARLOW

Office 66 — Fill Dirt — Turkeyfoot Rd. — Old Turkeyfoot Rd. — Old Canal Bed — Canal Bed — Rock Lined Ditch — Ditch — Fill Dirt — Spring — Shrubs — Fr. Shed — Fr. Garage — Fr. Barn — Fr. Tool Shed — Fr. Corn Crib — Fr. Hog Pen — Fr. Chicken House — Fr. Milk House — Fr. Wash House — Fr. Privy — Fr. Garage — Fr. Shed — Fr. Barn — Fr. Tool Shed — Fr. Corn Crib — Fr. Hog Pen — Fr. Chicken House — Fr. Milk House — Fr. Wash House — Fr. Privy — Fr. Garage

184 — 185 — 14" Maple — 4" Walnut — 24" Maple — 30" Willow — 4" Apple — 6" Plum — 6" Twin Peach — 6" Cherry — 3" Peach — 2" Apple — 24" Cherry — 3" Plum — 12" Cherry — 12" Apple — 6" Pear — 2" Peach — 8" Plum — 6" Spruce — 2" Cherry — 6" Pear — Shrubs — 30" Parodise Shrub — 1½ Sty. Fr. Dwg. — 1 Sty. Fr. Dwg. — 8" Willow — 6" Cherry — Dogwood Shrubs — Fr. Coal — 3½ x 3½ Brick Fireplace — Frame Barn — 24" Walnut — 6" Walnut — 12" Apple — 10" Apple — 8" Apple — 4" Peach — 8" Peach — 6" Apple — 6" Mulberry — 4" Apple — Fr. Shed — 1" Stream — Fr. Shed — Fr. Shed — Fr. Shed

296+36 — 231.50' — 296+57 — 211.00' — 297+64 — 150.00' — 297+79 — 66.00' — 297+93 — 150.00' — 296+47 — 199.50' — 296+08 — 239.00' — 294+90 — 148.00' — 296+86.5 — 150.00' — 297+01 — 150.00' — 297+34 — 120.00' — 297+25.5 — 111.50' — 294+62 — 171.50' — 294+40 — 192.50' — 294+13.50 — 140.00' — E.P.A. — I.A.P.A. Drive

IVOR LEON FOSS & DONNA J. FOSS — Small Trees & Light Brush — 302+53.5 — 302+18.5 — 150.00' — 302+88 — 150.00' — 300+76 — 150.00' — Cont. 0.12 Ac. — 188 LA — 301+47 — 79.00' — Open Field — Tree Line

MELVIN O. KING & HELEN KING — 48" Walnut — 304+29 — 150.00' — Wooded Area — Fence Type "D" — INEZ E. PITTMAN — 189 LA — Cont. 0.44 Ac. — 190 LA — Cont. 0.23 Ac. — 305+29.5 — 50.00' — 304+59 — 21.00' — Fence — Tree Line

RALPH A. FINCANNON JR. & DORIS COLLEEN FINCANNON

HARRY F. SUTTLE — Chicken House — Fence — Fr. Shed — Open Field — Marsh — Tree Line

WILLIAM A. & CORDA D. BURKE a.ka. CORDA L. BURKE — Wooded Area — Fence — Open Field — Wooded Area & Light Brush

STA. 294+00 — 295 — 296 — 297 — 298 — 299 — 300 — 301 — 302 — 303 — 304 — 305 — STA. 306+00

BEGIN SHEET — MATCH LINE

N 42° 03' 30" W

187 LA — Cont. 2.94 Ac.

187 LA — T.B.A. 0.01 Ac. — P.R.O. 0.11 Ac. — Cont. 0.12 Ac.

193 LA

184 LA — OKEY L. HARDMAN & SNOW HARDMAN — 2" Ditch (grass) — Open Field — Fence Type "D" — Wooded Area & Light Brush

HARRY C. WHITE & JANE C. WHITE — 176 LA — T.B.A. 1.32 Ac. — P.R.O. 0.11 Ac. — Cont. 1.43 Ac. — 297+82 — 150.00' — 184 LA — Cont. 2.12 Ac. — 300+93 — 150.00'

THE FARRISSDALE CORPORATION — Open Field — Tree Line — 303+30.5 — 150.00' — 193 LA — Cont. 17.52 Ac.

IDA M. SOWERS — 175 LA — T.B.A. 0.76 Ac. — P.R.O. 0.10 Ac. — Cont. 0.86 Ac. — DANA YORK

SUMMIT COUNTY — GREEN TOWNSHIP — N.E.¼ SEC.9 — T-12 R-9 — 184 — T.B.A. 0.34 Ac. — P.R.O. 0.10 Ac. — Cont. 0.44 Ac.

294-301
294-303
HARRY E SUTTLE

185 LA — Cont. 0.04 Ac.

185 — T.B.A. 0.02 Ac. — P.R.O. 0.05 Ac. — Cont. 0.08

185 T — Cont. 0.02 Ac.

RALPH A. FINCANNON JR. & DORIS COLLEEN FINCANNON — 190 LA — 306+29.5 — 150.00' — MELVIN O. KING & HELEN KING — Wooded Area — Fence Type "D" — Open Cultivated

312+07.5 — 215.00' — 312+47.5 — 192.00' — 193 X — Cont. 0.06 Ac. — Wooded Area — 311+72 — 150.00' — 312+24.5 — 150.00' — End Fence — 193 LA

N.W.¼ Sec.9 — N.E.¼ Sec.9 — 315+18.5 — 150.00' — THE FARRISSDALE CORPORATION — SUMMIT COUNTY — GREEN TOWNSHIP — N.W.¼ SEC.9 — T-12 R-9 — 193 LA — Cont. 17.52 Ac.

STA. 306+00 — 307 — 308 — 309 — 310 — 311 — 312 — 313 — 314 — 315 — 316 — 317 — 318 — 319 — 320 — 321 — STA. 322+00

MATCH LINE — END SHEET

N 42° 03' 30" W — 317+78 — 43°15'

313-322
310-322

Open Cultivated — Open Field — Fence Type "D" — Sta. 316+00 Bk. = Sta. 317+00 Ahd. — Tree Line — Fence — Wooded Area & Light Brush — THE FARRISSDALE CORPORATION — SUMMIT COUNTY — GREEN TOWNSHIP — N.E.¼ SEC.9 — T-12 R-9 — 319+37.5 — 150.00' — Open Pasture — Swale — 10' Gravel Road — Fence — 24" T.C.P. Under Born Approx. — Conc. Slab — Frame Barn — Conc. Slab — Wooded Area

Sheet Completed
Date: 6/20/61
Revised
Date: 10-16-61
Added Parcel 193X
Date: 10-23-61
General

STA. 294+00 TO STA. 322+00 — RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

313

17 / 19 R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 9
T-12 R-9

THE FARRISSDALE CORPORATION
193 LA Cont. 17.52 Ac.

Open Cultivated

Open Posture

12" C.M.P.

Road

10' Gravel

Fence

Swale

Spring

1' Spring

Fence, Type "D"

18" Ash

193 LA

Spring

Fence

Marsh

12" Elm

30" Elm

Conc. Slab

24" T.C.P. Under Barn

Frome Barn

BEGIN SHEET STA. 322+00

323 324 325 326 327 328 329 330 331

N 42°03'30"W

331+24.5 ℄

45°45'

STA. 332+00 MATCH LINE

12" Cherry
3-12" Willows

Spring

20" Elm

12" Oak

Tree Line

Wooded Area

CHARLES S. CROMIS & AUGUSTA L. CROMIS

194 LA Cont. 2.98 Ac.

24" Ash

24" Hickory

329+76
150.00'

Fence, Type "D"

Open Posture

LA

14" Ash

Clearing & Grubbing

332+00
150.00'

N.W. 1/4 Sec. 9
S.W. 1/4 Sec. 4

6 Row Brush - 1 to 6' Trees

Tree Line

Fence

THE FARRISSDALE CORPORATION

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 4
T-12 R-9

JAMES C. YOUNG & GERTHIA A. YOUNG
196 LA T.B.A. 0.43 Ac.
P.R.O. 0.18 Ac.
Cont. 0.61 Ac.
196 T.B.A. 0.04 Ac.
P.R.O. 0.12 Ac.
Cont. 0.16 Ac.

DONALD J. REED & ALTA O. REED
198 LA Cont. 0.95 Ac.
198 T.B.A. 0.08 Ac.
P.R.O. 0.07 Ac.
Cont. 0.15 Ac.

PRINGLE A. BROSCH & VIRGINIA LEE BROSCH
199 LA Cont. 1.12 Ac.
199A T.B.A. 0.10 Ac.
P.R.O. 0.07 Ac.
Cont. 0.17 Ac.
199 Cont. 0.07 Ac.

DEWITT C. MORRIS & ORA M. MORRIS
200 LA Cont. 1.15 Ac.
200 T.B.A. 0.10 Ac.
P.R.O. 0.07 Ac.
Cont. 0.17 Ac.

ARTHUR B. COSTON & PATRICIA J. COSTON
201 P.R.O. 0.03 Ac.

PHYLLIS D. BLONDHEIM
202 LA Cont. 0.84 Ac.

WALTER C. FERRELL & RUTH FERRELL
203 LA Cont. 0.34 Ac.

EDMOND H. CROMER & HILDA J. CROMER
204 LA Cont. 0.44 Ac.

THE FARRISSDALE CORPORATION

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 9
T-12 R-9

332+70
150.00'

Fence

CHARLES S. CROMIS & AUGUSTA L. CROMIS
194 LA Cont. 2.98 Ac.

336+98.5
150.00'

Fence

Cultivated Field
340+00
150.00'

GARRETT E. BLAKE
195 LA Cont. 3.62 Ac.

342+16.5
175.00'

JAMES EDWARD DONOVAN

343+73
193.00'

DONALD J. REED & ALTA O. REED

345+29.5
211.00'

346+53
202.00'

Fence, Type "D"

340+00
148.00'
I.A.P.A.

Tree Line

Wooded Area

VIRGINIA LEE BROSCH

345+29.5
209.00'
I.A.P.A.

6" Apple
Rye
10" Apple
6" Plum
6" Apple
6" Pear
8" Apple
6" Plum

193 LA

N.W. 1/4 Sec. 9
S.W. 1/4 Sec. 4

194 LA

Spring

195 LA

197 LA Cont. 0.67 Ac.

198 LA

199 LA

DEWITT C. MORRIS & ORA M. MORRIS
200 LA

I.P.

12" Apple Orchard

202 LA

Fence

Meadow

Tree Line

12" Wild Cherry

338 339 340 341 342 343 344 345 346

340+54.5
08.00'

340+26.5
20.50'

341+26.5
61.50'

N 42°03'30"W

Morsh

12" Wild Cherry

196 LA

CHENOWETH

341+98.5
131.00'

342+25
138.00'
I.A.P.A.

342+25
140.00'

343+09
155.00'

344+35
179.50'

3" Apple

346+94
50.50'

PHYLLIS D. BLONDHEIM
204 LA

345+55.5
193.00'
I.A.P.A.

345+55.5
195.00'

346+99
195.50'

203 LA

30" Elm

Wooded Area

Swamp

Swamp

Swamp

Drains

Springs

Triple 6 Crabapple

338+80.5
169.50'
I.A.P.A.

Fence, Type "D"

Spring

Kitchen Garden

341+55.5
145.50'

Rye

341+77
166.00'

I.P.

342+08.5
141.00'

199

342+70
200.50'

Kitchen Garden

Guy Pole
O.B.T.Co #530

344+30.5
175.00'

343+13
243.00'

ARTHUR B. COSTON & PATRICIA J. COSTON

Dog Kennel
Conc.

12" Spruce

WALTER C. FERRELL & RUTH FERRELL

RAY A. BOYLES & MINERVA A. BOYLES

345+39.5
192.00'

Fence

P.C. Sta. 345 + 29.85

END SHEET STA. 347+00

332+00
150.00'

334+00
156.00'

338+80.5
171.50'

4" Plum
4" Peach
8" Plum
Fence
8" Peach
Spring

30" Cherries
20" Apple
8" Plum
Shrub
6" Maple

Flower Garden
6" Plum
Shrubs
6" Maple

Rocky Bluff Dog

8" Grove
Meadow

Dr.

CHENOWETH

341+93.5
234.00'

342+43
231.00'

342+62
248.50'

342+85.5
271.50'

344+86
240.00'

40' I.P.

RW

196

201

202 WA

WA

Fence

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 4
T-12 R-9

P.I. Sta. 360 + 76.55
Δ = 43°12'00" Rt.
D = 1°28'00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

EDMOND H. CROMER & HILDA J. CROMER

Sheet Completed
Date: 6/20/61
Revised
Date: 7/14/61
Added Ac. & Plusses & Offsets
Date: 10-23-61
Genenal

OK

STA. 322+00 TO STA. 347+00 - RIGHT OF WAY PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

314

18 / 19

R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 4
T-12 R-9

P.I. Sta. 360 + 76.55
Δ = 43° 12' 00" Rt.
D = 1° 28' 00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

N 1° 08' 30" E

N 42° 03' 30" W

BEGIN SHEET STA. 347 + 00

END SHEET STA. 362 + 00

North Line Sec. 4 GREEN TWP. COVENTRY TWP. Tract #3 S.B.F. South Line

RAMP C

Sheet Completed
Date: 7-14-61

Revised
Date: 8-9-61
Added Parcels 200 WA, 205 WA, 206 WA, and 210 WA.
Changed Parcels 125 thru 133 to 211 thru 219.
Added Sta. 361+18, distance 207.50'.
Added Sta. 359+70.5, distance 423.50 (I.A.P.A.)
Deleted "L" in name of Daniel Morris.

Revised
Date: 10-16-61
Revised LA from Parcels 212 LA thru 219 LA

General Revisions 10-23-61

STA. 347+00 TO STA. 362+00 - RIGHT OF WAY PLAN

DONALD J. REED & ALTA O. REED
198 LA Cont. 0.95 Ac.
198 T.B.A. 0.08 Ac. P.R.O. 0.07 Ac. Cont. 0.15 Ac.

PHYLLIS D. BLONDHEIM
202 LA Cont. 0.84 Ac.

WALTER C. FERRELL & RUTH FERRELL
203 LA Cont. 0.34 Ac.

GLENN BENEDUM & DAISY BENEDUM
205 LA Cont. 0.34 Ac.
205 T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.

WILLIAM J. FERRELL & GLADYS M. FERRELL
206 LA Cont. 0.39 Ac.
206 T.B.A. 0.04 Ac. P.R.O. 0.03 Ac. Cont. 0.07 Ac.

JAMES F. DOCY & ELIZABETH P. DOCY
210 LA T.B.A. 0.06 Ac. P.R.O. 0.04 Ac. Cont. 0.10 Ac.

VIRGINIA LEE BROSCH
199 LA Cont. 1.12 Ac.
199 A T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.
199 Cont. 0.07 Ac.

DEWITT C. MORRIS & OVA M. MORRIS
200 LA Cont. 1.15 Ac.
200 T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.

ALBERT P. OBORNE & RUTH L. OBORNE
209 LA T.B.A. 2.04 Ac. P.R.O. 0.36 Ac. Cont. 2.40 Ac.

DOSHIE SHEAVES
211 LA T.B.A. 2.74 Ac. P.R.O. 0.43 Ac. Cont. 3.17 Ac.
211 T.B.A. 0.15 Ac. P.R.O. 0.06 Ac. Cont. 0.21 Ac.

DANIEL MORRIS & MILDRED E. MORRIS
212 LA T.B.A. 1.40 Ac. P.R.O. 0.07 Ac. Cont. 1.47 Ac.

GEORGE STEINER & SUSANNA STEINER
213 LA T.B.A. 1.42 Ac. P.R.O. 0.07 Ac. Cont. 1.49 Ac.

RUDOLPH H. HOLZSCHUH & IRENE HOLZSCHUH
214 LA T.B.A. 1.45 Ac. P.R.O. 0.07 Ac. Cont. 1.52 Ac.

VIOLET R. FOUTTY
215 LA T.B.A. 1.41 Ac. P.R.O. 0.07 Ac. Cont. 1.48 Ac.

LOYAL R. BUSSEY & ANNA M. BUSSEY
216 LA T.B.A. 1.30 Ac. P.R.O. 0.07 Ac. Cont. 1.37 Ac.

ROBERT A. BUSSEY & CAROLE SUE BUSSEY
217 LA T.B.A. 1.52 Ac. P.R.O. 0.11 Ac. Cont. 1.63 Ac.

LOYAL R. BUSSEY & ANNA M. BUSSEY
218 LA T.B.A. 0.26 Ac. P.R.O. 0.03 Ac. Cont. 0.29 Ac.

HARRY FISCHMANN & ARDITH M. FISCHMANN
219 LA T.B.A. 0.10 Ac. P.R.O. 0.02 Ac. Cont. 0.12 Ac.
219 T.B.A. 0.08 Ac. P.R.O. 0.06 Ac. Cont. 0.14 Ac.

MINERVA A. BOYLES
207 LA T.B.A. 0.54 Ac. P.R.O. 0.02 Ac. Cont. 0.56 Ac.
207 P.R.O. 0.06 Ac.

RAY A. BOYLES

JAMES E. D. MOORE & HAZEL E. MOORE
T.B.A. 0.46 Ac. P.R.O. 0.05 Ac. Cont. 0.51 Ac.

EDMOND H. CROMER & HILDA J. CROMER

WALTER C. FERRELL & RUTH FERRELL

WILLIAM J. FERRELL & GLADYS M. FERRELL

GLENN BENEDUM & DAISY BENEDUM

PHYLLIS D. BLONDHEIM

DONALD J. REED & ALTA O. REED

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 4
T-12 R-9

8-SUM — 1.89

LOCATION PLAN

CANTON TO AKRON EXPRESSWAY
INTERSTATE 77 SUM-8-1.89
SUMMIT COUNTY, OHIO

GREEN TWP. R-9, T-12 Sec's. 25, 26, 23, 14, 15, 10, 9 & 4
SPRINGFIELD TWP. R-9, T-1, TRACT 1

This Improvement has been declared a Limited Access Highway from Canton, Ohio to Akron, Ohio by action of the Director of Highways and recorded in Volume Page of the Directors Journal persuant to law.

TWN OK Pitt 10-23-61

Received OCT 23 1961 19
Recorded OCT 24 1961 19
Book 61 Page 9-10
at 2:23 P.M.
Summit County Recorder
$8.70

2569

I 77 - 4(12) 105

LIMITED ACCESS HIGHWAY

I hereby certify that this plat is a true delineation of a survey made for the Ohio Department of Highways in 1961 by Michael Baker, Jr.
Michael Baker, Jr. Date May 29, 1961
Registered Land Surveyor, S-3424

STATE OF OHIO · MICHAEL BAKER, JR. · S3424 · REGISTERED SURVEYOR

1/2 R/W

NOTE:
THIS PLAT SUPERSEDES CENTERLINE PLAT RECORDED IN PLAT VOL-61 PGS-11 & 12 SUMMIT COUNTY RECORD OF PLATS AND IS RE-RECORDED FOR THE PURPOSE OF CORRECTING THE CENTERLINE DATA.

CERTIFICATE OF APPROVAL
Approved Lloyd L. Campbell
Date 7-3-61 Division Deputy Director

RECEIVED 19
RE-RECORDED 19
BOOK PAGE
SUMMIT COUNTY RECORDER

Scale in Feet 400 0 400 800

NOTE: True Bearings Established from Observation on Polaris.

BEGIN PROJECT Sta. 100+00

END PROJECT SUM.-8-1.89 Sta. 355+00

SEE INSERT

Sta. 84+96.80 — 1552.77' — Road C.R. 153 — SE¼ Sec. 26, SW¼ Sec. 25, NE¼ Sec. 26, NW¼ Sec. 25

125°36'15"

SW¼ Sec. 25, SE¼ Sec. 25 — 1085.66' — Greensburg — NW¼ Sec. 25, NE¼ Sec. 25

℄ INTERSTATE 77 — N 33°10'30" W — N 42°03'30" W — N 42°03'30" W

54°13'20" — 35°48'31" — 45°13'55" — 44°33'50" — 95°37'27" — 91°50'35" — 87°46'40" — 92°09'50" — 59°21' — 44°36'05"

Sta. 157+47.3

Sta. 150+65.96-M = Sta. 10+01.10 - Wise Rd. County Highway Sta. 53+23.56

Sta. 200+00-Graybill Road

Sta. 241+14.49-M = Sta. 19+96.25-Massillon Road

Sta. 292+49.66 M = Sta. 10+00 Turkefoot Lake Rd.

Sta. 316+00 Bk. = Sta. 317+00 Ahead

Sta. 360+67.42 Rt. 169.35

Sta. 358+46.53

Sta. 361+35.85

Wise Road T.R. 250 — W. to ℄ Max Rd. 1462'

Graybill Road T.R. 248 — W. to Massillon Rd. 2970'

Turkefoot Lake Road S.R. 619 — 1633.3' (by Deed)

Fence Line — Pickle Road — Arlington St. & W. Line Sec. 4 — Arlington St. & Twp. Line — Chenoweth Rd. — Coventry Twp. — Springfield Twp. — Green Twp. — Graybill Road — Massillon Rd. — Boettler Rd. — Robinwood Rd. — Greensburg — Wise Road — Pickle Road — Chenoweth Rd. — Graybill Road — Massillon Rd. — Robinwood Rd. — Boettler Rd. — Greensburg

P.C. Sta. 194+45.61 (by Deed) — 1241.46' — 556.36' — 172.90' — 181.98' — 200.76 — 795.37' — 983.46' — 1089.27'

P.I. Sta. 207+80.99
Δ = 8°53'00" Lt.
D = 0°20'00"
R = 17,188.73'
T = 1335.18'
L = 2665.00'
E = 51.78'

P.O.C. Sta. 200+09.87 = County Highway ℄ Sta. 29+26.27 Def. Angle Rt. 96°14'54" from Tan. to Curve

P.T. Sta. 221+10.81 Bk. = Sta. 221+11.75 Ah.

P.C. Sta. 345+29.85 — P.C. Sta. 345+29.85

P.I. Sta. 360+76.55
Δ = 43°12'00" Rt.
D = 1°28'00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

P.O.C. Sta. 200+03.14-M = Sta. 10+00-Graybill Road

Future Arlington St. Reloc. CH 15 — Future Ramp B — Future Ramp C-C — JARVIS ROAD RELOC.

RAMP J — RAMP K — RAMP L — RAMP M — RAMP R — RAMP S — RAMP T — RAMP U — RAMP A — RAMP C — REST AREA — REST AREA

Match Line — Match Line

NW¼ Sec. 25, SW¼ Sec. 24 — NE¼ Sec. 26, SE¼ Sec. 23 — SW¼ Sec. 23, NW¼ Sec. 23 — SE¼ Sec. 23, SW¼ Sec. 23 — NW¼ Sec. 23, SW¼ Sec. 14 — NE¼ Sec. 22, SE¼ Sec. 15 — NW¼ Sec. 15, SW¼ Sec. 10 — NE¼ Sec. 15, SE¼ Sec. 10 — NW¼ Sec. 15, SW¼ Sec. 10 — NE¼ Sec. 16, SE¼ Sec. 9 — SW¼ Sec. 10, NW¼ Sec. 10 — SE¼ Sec. 9, NE¼ Sec. 9 — SW¼ Sec. 9, NW¼ Sec. 9 — NW¼ Sec. 9, SW¼ Sec. 4 — NE¼ Sec. 9, SE¼ Sec. 4 — NE¼ Sec. 8, SE¼ Sec. 5 — SW¼ Sec. 14, NW¼ Sec. 14 — SE¼ Sec. 15, NE¼ Sec. 15

⊙ MONUMENT ASSEMBLY WILL BE SET DURING CONSTRUCTION ON CENTERLINE STATION SHOWN BELOW

Station	Location
105 + 00	℄
132 + 00	℄
157 + 47.30	℄
194 + 45.81	℄
Eq. 221 + 10.81 / 221 + 11.75	℄
246 + 00	℄
271 + 00	℄
291 + 00	℄
Eq. 316+00 / 317+00	℄
345 + 29.85	℄

263751
RECEIVED FOR RECORD JUNE 1 1961 At 12:10 o'clock P.M. Recorded JUNE 1 1961 Vol. 61 Page 40-41 Summit County, Ohio Recorder $8.70

TRANSFER NOT NECESSARY — TRANSFER NOT NECESSARY OCT 23 1961 C. I. Bower, County Auditor

Revised Dec. 19, 1961

INSERT No Scale

NOTES:
1. Upper 6" to be formed.
2. Concrete to be Class "C."
3. Monuments to be placed by Contractor.

CENTERLINE REFERENCE MONUMENT DETAIL (Not to Scale)

8" Min. — ½" Brass Rod 6" Long — 2" Below Ground Line — 36" — 6" — 8" Min.

S½ Sec. 4 T12N GREEN TWP. R9W
T1N SPRINGFIELD TWP. R10W
SOUTH BOUNDARY CONNECTICUT WESTERN RESERVE
T1N COVENTRY TWP. R11W
TRACT No. 1 — TRACT No. 13

RECEIVED R/W OCT 15 1961 State Highway Dept. Div. No. 4

R/W LOCATION PLAN

I-77

(*) Indicates that a parcel has been added at the end of summary

SUMMARY OF ADDITIONAL R/W REQUIRED

WISE Rd-N-To ARLINGTON ST

RECEIVED R/W SEP 19 1967 Akron Metropolitan Park Dist. Akron, Ohio

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

298

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

2/19 R/W

I.R. 77 SUM-8-1.89 SUMMIT COUNTY, OHIO TOTAL NO. OF OWNERS 99

PARCEL NO.	OWNER	DEED RECORD BOOK	DEED RECORD PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
100 LA	The Board of County Commissioners, Summit Co. Ohio	3700	84	59.81	8.20		47.19	(L) 4.42	4	
*101 LA	Agatha J. Ariss a.k.a. Agatha Ariss	3586	131	107.09	15.10		(L) 14.43	65.56	4 & 5	
102 LA	Joe Shewchik & Anna Shewchik	1993	640	107.48	10.49		87.11	8.04	5 & 6	
102	" " " " "				0.50				6	
102 A	" " " " "				0.40				6	
102 T	" " " " "				1.33				5 & 6	
103 LA	Steven A. Yarcheck & Mary Anne Yarcheck	3570	212	0.52	0.28			0.24	6	
103	a.k.a. Mary A. Yarcheck	3109	671	2.00	0.16		1.16		6	
103 WA	" " " " " " "								6	
*104 LA	Clayton Kepler	2094	231	110.00	28.38		56.83	24.03	7 & 8	
104	" "				0.36				6	
104 X	" "				0.01				8	
104 ALA	Blonna Brumbaugh	1774 1003	458 649	50.00	0.34		49.66		8	
105 LA	William Wise & Flossie Wise	1184	381	122.00	4.45		0.42	114.49	6 & 7	
105	" " " " " " " "	30	3	(Transcript)	1.71				(6	
105 A	" " " " " " " "				0.17				6 & 7	
*106 LA	Board of Education of Green Local School District	3891	396	17.73	1.11			16.62	8	
*107 LA	Walter E. Towner & Dorothy E. Towner	3406	237	109.00	14.15		13.58	79.38	8, 9 & 10	
107	" " " " " " "				1.03				9	
107 A	" " " " " " "				0.05				9	
107 WA-1	" " " " " " "								9	Also 107 WA-2
108	Clark C. Hoehn & Helen M. Hoehn	2462	528	13.48	0.21		12.98		9	
108 A	" " " " " " "				0.06				9	
108 WA	" " " " " " "								9	
109	Carl G. Wasson & Mary E. Wasson	3888	277	5.99	0.12		5.80		9	
110	Carl E. Brenneman & Neva E. Brenneman	2325	280	10.40	0.01		10.37		9	
111 LA	Clara Franks, Paul G. Franks, Russell Franks &	3903	150	161.26	13.62		72.26	74.64	9 & 10	
111	Marjorie R. Williams	3251	331		0.44				9	
111 X	" " " " " "	1904	121		0.43				10	
111A X	" " " " " "				0.47				10	
112 LA	John Heller & Marie Heller	929	538	15.00	1.58		13.37		10	
112	" " " " "				0.005				11	
113 LA	Lula W. Thorn	3506	552	4.48	1.33			(L) 3.16	10	
114 LA	E.C. Thorn	3506	548	1.61	0.97			(L) 0.64	10	
115 LA	William J. Thorn & Lula W. Thorn	3821	644	3.28	1.37		1.75		10, 11 & 12	
115	" " " " " " "				0.08				11	
115 WA	" " " " " " "								11	
116 LA	Ustes C. Thorn & Mary L. Thorn	2724	575	3.00	0.58		2.24		10	
116	" " " " " " "				0.08				11	
116 WA	" " " " " " "								11	
117 LA	William J. Thorn	2332	397	3.00	0.14		2.81		10	
117	" " "				0.02				11	
117 WA	" " "								11	
118	Lula Thorn	3405	288	0.459	0.03		0.36		11	
120 LA	Joseph R. Flaker & Mildred A. Flaker	3507	363	1.50	0.46		0.89		11 & 12	
120	" " " " " " "				0.09	Yes			11	
120 WA	" " " " " " "								11	
121 LA	Richard T. Methax & Verna Maxine Methax	4008	388	2.99	0.98	Yes		(L) 2.01	11 & 12	
*121A	David M. Stalnaker & Mable Stalnaker	3315	654	0.25	0.02		0.08		11	Also 121A-WA
122 LA	Victor M. Corder	3679	632	0.32	0.32				11 & 12	
123 LA	Charles L. Vickers	3501	21	0.72	0.29		0.43		11	
123 WA	" " "								11	

PARCEL NO.	OWNER	DEED RECORD BOOK	DEED RECORD PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
124 LA	Frank Wolverton	3110	423	5.00	1.97		0.26	(L) 2.50	11 & 12	
124	" " " " " "				0.15				11	
125	Everett P. Elliott	3818	617	0.72	0.15	Yes	0.47		11	
126 LA	Lloyd Grable & Dawn Grable	3383	80	38.36	2.81				11 & 12	Lots 7, 8, 9, 10 & 11
126A LA	" " " " "				0.13				12	Lot 15
126	" " " " "				0.26				12	Lots 1 & 2
126B LA	" " " " "				0.59				12	Lot 5
126C LA	" " " " "				0.07				12	Lot 2
127 LA	Stephen G. Lichtenberger & Barbara L. Lichtenberger	3699	516	Lot-13	0.43	Yes		0.08	12	
127 WA	" " " " " " "								12	
131 LA	Denzil C. Tatterson & Julia E. Tatterson	3419	169	0.70	0.63	Yes			12	
133 LA	Lucien P. Lamb & Janice L. Lamb	3700	274	Lot 26 103x232					12	Not Touched
134 LA	Peter P. Krajeck & Carmen V. Krajeck	3497	190	Lot-4	0.51	Yes		0.12	12	
135 LA	Harold L. Polen & Kathleen W. Polen	3419	171	Lot-3	0.39	Yes		0.24	12	
137	Eddie Robinson & Lilly Robinson	3393	158	0.68	0.15			0.46	12	
137 WA	" " " " "								12	
138	Dan W. Hoover & Martha A. Hoover	3061 3383	315 110	0.96 0.68	0.24			1.23	12	
139	Paul Pergl & Mary Pergl	3682	545	3.80	0.06			3.62	12	
*140 LA	Alta Stipe, Hazel L. Stipe, Martha A. Hoover & Harold R. Stipe	3892	316	45.053	13.42		20.29	8.94	11, 12 & 13	
140	" " "				0.34				12 & 13	
140 T	" " "				0.19				12	
*141	E.R. Bolin & Ethel Bolin	850	135	10.00	0.072		7.48		11	Also 141 WA
*142	Cleda McCutcheon & Marie McCutcheon	2210	407	1.00	0.02		0.93		11	Also 142 WA
143	Robert K. Burns	2058	551	2.50	0.02		2.37		11	
143 WA	" " "								11	
144	Kermit Harold Burns	1858	335	2.50					11	(P.R.O. Only)
142A	Clayton A. Motz & Evelyn M. Motz	3316	194	1.00	0.02		0.98		11	Also 142 WA
148 LA	Willard R. LaVoie & Vivian V. LaVoie	2648	664	89.75	1.50		88.14		13	
148	" " " " " " "				0.09				11	
150 LA	Ida L. Lyons, Lola H. Carr, E. Gladys Bowers & Dale F. Carr	3782	295	136.75	14.51				13 & 14	
150 X	" " " "	1538	1		0.04				14	
153 LA	Harold Forringer & Gladys Forringer	3782	526	14.79	2.54	Yes	12.25		14	
154 LA	Mary Hamrick	3785 3785	231 235	0.69 0.55	0.74	Yes		0.44	14	
156 LA	Vincent A. Olenick & Marie R. Olenick	2094	325	8.12	1.28		5.78	1.06	14	
165	Harry Strosaker & Mabel V. Strosaker	2530	438	3.01	0.04			2.87	15	
168 LA	Floyd M. Thomas & Florence Mabel Thomas	2450	666	2.00	1.33	Yes		0.67	14	
168	" " " " " " "								15	(P.R.O. 0.08 Ac.)
169 LA	Roy Beal & Margaret M. Beal	2327	48	3.61	1.98	Yes	1.23	0.21	14 & 15	
169	" " " " "				0.06				15	
170 LA	Robert G. Hoffman & Margaret E. Hoffman	2252	221	45.84	1.33		44.35		15	
170 WA	" " " " " " "								15	
173	Arnold V. Hall & Ruth N. Hall	2554	39	3.01	0.15			2.80	15	
*140A-LA	ALTA STIPE	3892 2073 4013	316 226 275		0.67				13	
174 LA	Dana York	1564	331	3.01	0.23	Yes		2.65	15	
174	" "				0.02				15	
174 T	" "				0.01				15	
175 LA	Ida M. Sowers	1316	583	3.01	0.76	Yes		2.15	15 & 16	
176 LA	Harry C. White & Jane C. White	2766	84	3.22	1.32	Yes		1.78	15 & 16	
*177 LA	Howard N. Marlow & Sue J. Marlow a.k.a.	3107 1899	201 31	1.57 2.00	0.24		2.88		15	
177	Sue Marlow				0.35				15	

REVISED PAR. 104-LA, 107-LA, 107-LA-A, 109-LA, 121-LA & 121-WA TO 11-22-61
Changed Name & Area 121-LA
Revised to Delete 121-WA

Revised Area Rel. 141 11-22-61
General Revisions 10-23-61

10-20-61 10-18-61

Deleted Parcel 173T
Parcel 105 Revised Area

Name Change Rel. 40-dd 3-23-70
Rel. 140A-LA ADDED-10-30-69

I-77

SUMMARY OF ADDITIONAL R/W REQUIRED

RECEIVED R/W OCT 18 1961 State Highway Dept. Div. No. 4

FED. ROAD DIVISION	STATE	PROJECT	
2	OHIO		

299

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

3/19 R/W

I.R. 77 SUM-8-1.89 SUMMIT COUNTY, OHIO TOTAL NO. OF OWNERS 99

PARCEL NO.	OWNER	DEED BOOK	DEED PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
178	Woodrow Jenkins	3181	198	2.00	0.18		1.73		15	
178 WA	" "	3164	557						15	
179	M. M. Carter	3818	360	1.029	0.04		.989		15	
180	WILLIAM G. Ray & Mary Ruth Ray	3496	450	0.5871			0.5471		15	(P.R.O. 0.04 Ac.)
184 LA	Okey L. Hardman & Snow Hardman	2052	273	3.99	2.12	Yes		1.40	16	
184	" " " " " "				0.34	Yes			15&16	
185 LA	Harry F. Suttle	2992	140	0.42	0.04		0.34		16	
185	" " " " " " "	3817	276	0.03	0.02				15	
185 T	" " " " " " "				0.02				15	
187 LA	William A. Burke & Corda D. Burke a.k.a.	2256 3312	461 526	3.00 2.00	2.94		1.62	(L)0.32	16	
187	Corda L. Burke				0.01				15	
188 LA	Ivor Leon Foss & Donna J. Foss	3311	498	2.00	0.12		1.88		16	
189 LA	Inez E. Pittman	2390	109	2.00	0.44		1.56		16	
190 LA	Melvin O. King & Helen King	3580	184	3.00	0.23		1.78		16	Deed area incorrect on Vol. 3580, Page 184 Former deed states 3.0077 acres.
193-LA 193-X	ROBERT D. FARRISS, WILLIAM D. FARRISS, BETTY L. GROSS, MARY IMOGENE BETTLER & HELEN R. HALSEY	4014	618	232.99	17.52 0.06	Yes	116.95	98.52	16&17	
194 LA	Charles S. Cromis & Agusta L. Cromis	2048	136	20.25	2.98		11.25	6.02	17	
195 LA	Garrett E. Blake	3297	450	20.70	3.62		7.57	9.51	17	
196 LA	James C. Young & Gerthia A. Young	3116	687	12.089	0.43			11.619	17	
196	" " " " " " "				0.04				17	
197 LA	James Edward Donovan	2048	460	2.50	0.67		1.83		17	
198 LA	Donald J. Reed & Alta O. Reed	2772	304	2.50	0.95		1.40		18	
198	" " " " " " "				0.08				18	
199 LA	Virgina Lee Brosch	1962	149	2.50	1.12		0.52		17	
199	" " " " " " "	3917	125		0.07				18	
199 A	" " " " " " "				0.10				18	
200 LA	DeWitt C. Morris & Ova M. Morris	1644	64	2.50	1.15		0.95	0.23	17&18	
200	" " " " " " "				0.10				18	
200 WA	" " " " " " "								18	
201	Arthur B. Coston & Patricia J. Coston	3306 1501	407 341	7.17				7.14	17	(P.R.O. 0.03 Ac.)
202 LA	Phyllis D. Blondheim	3051	617	1.25	0.84	Yes		0.41	17&18	
202 WA	" " "								17	
203 LA	Walter C. Ferrell & Ruth Ferrell	2651	124	0.92	0.34			0.58	17&18	
204 LA	Edmond H. Cromer & Hilda J. Cromer	3816	548	0.59	0.44	Yes	0.15		17&18	
205 LA	Glenn Benedum & Daisy Benedum	3406	19	1.25	0.34	Yes	0.74		18	
205	" " " " " "				0.10				18	
205 WA	" " " " " "								18	Drive
206 LA	GLADYS M. FERRELL & ESTATE OF WILLIAM J. FERRELL	2245	189	2.50	0.39	Yes	2.04		18	
206	" " " " " " "				0.04				18	
206 WA	" " " " " " "								18	Drive
207 LA	Ray A. Boyles & Minerva A. Boyles	2252	362	1.50	0.54	Yes		0.88	18	
207	" " " " " " "								18	(P.R.O. 0.06 Ac.)
208 LA	James E. D. Moore & Hazel E. Moore	2170	488	0.51	0.46	Yes			18	(Total Take)
209 LA	Albert P. Oborne & Ruth L. Oborne	2773	573	2.40	2.04	Yes			18	(Total Take)
210	James F. Docy & Elizabeth R. Docy	3789	645	0.32	0.06		0.22		18	
210 WA	" " " " " " "								18	Drive
211 LA	Doshie Sheaves	2381	514	5.42	2.74	Yes			18	
212 LA	Daniel Morris & Mildred E. Morris	2101	431	2.50	1.40	Yes		1.10	18	
213 LA	George Steiner & Susana Steiner	3387	639	2.50	1.42	Yes		1.08	18	
214 LA	Rudolph H. Holzschuh & Irene Holzschuh	2108	246	2.53	1.45	Yes		1.08	18	
215 LA	Violet R. Foutty	3101	680	2.50	1.41	Yes		1.09	18	
216 LA	Loyal R. Bussey & Anna M. Bussey	3371 1740	526 130	1.03 6.62	1.30			3.53	18	

PARCEL NO.	OWNER	DEED BOOK	DEED PAGE	DEED AREA	TO BE ACQUIRED LAND	TO BE ACQUIRED BLDGS.	RESIDUE LEFT	RESIDUE RIGHT	SHEET NO.	REMARKS
217 LA	Robert A. Bussey & Carole Sue Bussey	3511	411	1.76	1.52	Yes		0.24	18	
218 LA	Loyal R. Bussey & Anna M. Bussey Reg. Land	68	21134	0.29	0.26				18	(Total Take)
219 LA	Harry Fischman & Ardith M. Fischman Reg. Land	106	32637	7.499	0.10			7.399	18	
219	" " " " " "				0.08				18&19	
219 WA	" " " " " "								18&19	
220	James P. Wilson & Helen Wilson Reg. Land	106	32492	5.08	0.14			4.63	19	
220 A	" " " " " "				0.19				19	
220 WA	" " " " " "								19	
221	MARY H. TREXLER	REG. LAND 112	34377	6.00	0.19			5.81	19	
222	Earl Sherman	3414 2989	678 323	5.72	1.22			4.44	19	
223	Richard P. Maxwell & Susan C. Maxwell	3510	218	1.00	0.11			0.82	19	
223 WA	" " " " " " "								19	Drive
224	Erwin Huber & Lois F. Huber	2725 2725	271 269	13.77	0.37			13.21	19	
224 WA	" " " " " "								19	Also 224 A WA
225	Albert R. Ruttig & Florence Ruttig	2726	404	4.51	0.06			4.37	19	
225 WA	" " " " " "								19	Drive
226	Aron Morgovan & Mildred Morgovan	2044	60	10.00	0.16			9.66	19	
226 WA	" " " " "								19	Drive
227	Margaret AnnaMae Raber	2059	481	5.00	0.06			4.85	19	
228	Aron Morgovan & Mildred Morgovan	1961	308	5.00	0.01			4.95	19	
101-Y	Agatha J. Ariss & Agatha Ariss				0.43				4&5	Channel
140AX	Alta Stipe, Hazel L. Stipe, Martha A. Hoover & Harold R. Stipe				0.06				11	
177 WA	Howard N. Marlow & Sue J. Marlow a.k.a. Sue Marlow								15	
140AT	Alta Stipe, Hazel L. Stipe, Martha A. Hoover & Harold R. Stipe				0.03				13	
142 T	Cleda McCutcheon & Marie McCutcheon				0.01				11	
211	DOSHIE SHEAVES	2381	514	5.42	0.15				18	
121-A-LA	David M. Stalnaker & Mable Stalnaker				0.15				11&12	
141-S	E.R. Bolin & Ethel Bolin				0.038				11	
196A	JAMES EDWARD YOUNG & STELLA RUBY YOUNG	3953	418	0.621	0.02			0.601	17	
125 WA	EVERETT P. ELLIOTT								11	
177-SA	Howard N. Marlow & Sue J. Marlow a.k.a. Sue Marlow								15	Septic Agreement
104-W.L.	CLAYTON KEPLER				30.45					Includes Par. 104-L.A.
104-W.S.	CLAYTON KEPLER				8.77				7,8 & 8-A	70.78 Acres Remain of 110.00 Acres.
104A-W.L.	BLONNA BRUMBAUGH				1.21					Includes Par. 104A-L.A.
104A-W.S.	BLONNA BRUMBAUGH				0.60				8&8-A	48.19 Acres Remain of 50.00 Acres.
106-W.L.	BD. OF EDUCATION., GREEN LOCAL SCHOOL DISTRICT				2.05					Includes Par. 106 L.A.
106-W.S.	BD. OF EDUCATION., GREEN LOCAL SCHOOL DISTRICT				2.23				8&8-A	13.45 Acres Remain of 17.73 Acres.
107-W.L.	WALTER E. & DOROTHY E. TOWNER				14.72					Includes Par. 107 L.A.
107-W.S.	WALTER E & DOROTHY E TOWNER				0.31				8,9,10 & 8-A	93.97 Acres Remain of 109.00 Acres.
106A-W.L.	ELIZABETH STEHLER				0.16					New Parcels
106A-W.S.	ELIZABETH STEHLER				0.27				8-A	14.11 Acres Remain of 14.54 Acres

3.14 Sum 77 — See R/W Plan For Full Details

ADDED PARCELS NUMBER 104-W.L., 104-W.S., 104A-W.L., 104A-W.S., 106-W.L., 106-W.S., 106A-W.L., 106A-W.S., 107-W.L. & 107-W.S. 9-1-67

12-23-63 Added Pcl. 177-SA
2-25-62 Added Pcl. 141-S
3-8-82 Added Pcl. 101-Y
REVISED AREA & RESIDUE

Added Pcl. 177-SA 2-24-82
Added Pcl. 141-S 2-22-62
REVISED AREA & RESIDUE 11-22-61

AL-39 ADDED PCL-198-S Added Pcl. 121-A-LA

REVISED NAME PCL-193-LA AREA & RESIDUE PCL-198-LA 11-10-61
REVISED DEED PCL-208
REVISED NAME PCL-221
General Revisions 10-23-61

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

300

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

4 / 19

R/W

END AQUISITION LT. SUM-8-14.00 STA. 98+27.5
BEGIN AQUISITION LT. SUM-8-1.89 STA. 98+27.5

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 25
T-12 R-9

BOARD OF COUNTY COMMISIONERS OF SUMMIT COUNTY, OHIO
100 LA Cont. 8.20 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
NE. 1/4 SEC. 26
T-12 R-9

98+27.5 / 148.00'
109+64.7 / 150.00'
111+65.0 ℄
35°15'
111+50 / 150.00'
102+50 / 148.00'

Open Field
Limit of Construction
Fence, Type "D"
Wooded Area
Tree Line
Marsh
Wheat Field
Barley Field
Fence
N.E. 1/4 Sec. 26
N.W. 1/4 Sec. 25
N 33° 10' 30" W
98 99 100 101 102 103 104 105 106 107 108 109 110 111
STA. 112+00
MATCH LINE

BEGIN PROJECT SUM 8-1.89
END PROJECT SUM 8-0.00

100 LA Cont. 8.20 Ac.
101 LA 15.10 Ac.

PAUL A. WILLIAMS
&
GRACE M. WILLIAMS

END AQUISITION RT. SUM-8-14.00 STA. 102+50
BEGIN AQUISITION RT. SUM-8-1.89 STA. 102+50

WISE'S MAYFAIR ALLOTMENT

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 25
T-12 R-9

Tower No. 327

AGATHA J. ARISS
a.ka. AGATHA ARISS

LEGEND FOR R/W FENCE ASSEMBLY
- Proposed Right of Way Fence Type "C"
- Proposed Right of Way Fence Type "A" & "D"
- C.P.A. Corner Post Assembly
- E.P.A. End Post Assembly
- I.A.P.A. Intermediate Anchor Post Assembly

Sheet Completed Date: 3-20-61
Revised Date: 5-10-61
General Date: 10-16-61
Added Parcel 101X Date: 10-23-61
General Date: 6-28-62
Deleted 101-X
Added 101-Y

RECEIVED R/W OCT 18 1961 State Highway Dept. Dist. No. 4

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 26
T-12 R-9

113+60.5 / 150.00'
118+98.7 / 150.00'
120+24 / 150.00'
122+69 / 150.00'
117+94.8 ℄
54°45'
118+14.5 / 148.00' I.A.P.A.
119+64.5 / 102.00' I.A.P.A.
120+59 / 148.00' I.A.P.A.
119+60 / 115.00'
116+89.5 / 150.00'
118+15 / 150.00'
118+76.06 / 135.26
118+01.17 / 150'
113+87.0 / 150.00'
120+58.5 / 150.00'

Dead Trees
Live Wire Ground Line Wire
Ohio Edison Co. Easement Line
1204.00 1203.94 1243.37 Wire Elev. 1204.01 1204.21 1244.73 Wire Elev. 1204.21 1243.04 Wire Elev. 1203.94 1204.01 1204.01 1204.21
Road
Fence
Tree Line
Dead Trees
Earth
Ground Line Wire
Corn Field
Limit of Construction
Fence, Type "D"
Tower
125'
150'
75'
Open Field
Wooded Area
Marsh
Open Cultivated
Earth Road
60' Elm
36' Oaks
N.E. 1/4 Sec. 26
N.W. 1/4 Sec. 25
N.E. 1/4 Sec. 26
S.E. 1/4 Sec. 23
STA. 128+00
END SHEET
MATCH LINE

BOARD OF COUNTY COMMISSIONERS OF SUMMIT COUNTY, OHIO
100 LA Cont. 8.20 Ac.

101 LA Cont. 15.10 Ac.
AGATHA J. ARISS a.k.a. AGATHA ARISS

101 (Y) 0.43 Ac. CHANNEL

OHIO EDISON CO.
345 KV Power Line
Str No. 1
Tower #326

MATCH LINE
SEE SHEET 5 of 19

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 25
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 26
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 23
T-12 R-9

ITEM SS-18
TOTAL LIN. FT. R/W FENCE
TYPE "A"
TYPE "C"
TYPE "D"

STA. 98+00 TO STA. 128+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

301

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

5/19 R/W

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. ¼ SEC. 23
T-12 R-9

BEGIN SHEET STA. 128+00

END SHEET STA. 144+00

Open Field

AGATHA J. ARISS a.k.a. AGATHA ARISS

Marsh

Tree Line

Wooded Area

Tree Line

Trees & Brush

Open Cultivated

Open Cultivated

Limit of Construction

Open Field

Fence, Type "D"

Limit of Construction

Open Cultivated

Open Field

Fence, Type "D"

Tree Line

JOE SHEWCHIK & ANNA SHEWCHIK

(102 LA) T.B.A. 10.49 Ac.
P.R.O. 0.26 Ac.
Cont. 10.75 Ac.

(102 T) Cont. 1.33 Ac.

132+53 150.00'

136+79.5 150.00'

141+81 181.50'

142+07 225.00'

142+38 150.00'

142+50 200.00'

20" Cherry
18" Cherry
24" Cherry
30" Cherry
6" Cherry

O.B.T. Co. # 92722

Open Cultivated 1.33 Ac. T

Driveway

30" Quad Poplar

129 130 131 132 133 134 135 136 137 138 139 140 141 142 143

N 33°10'30"W

Marsh

(102 LA)

(101 LA)

LA

DWG

AGATHA J. ARISS a.k.a. AGATHA ARISS

(101 LA) Cont. 15.10 Ac.

N.E. ¼ Sec. 26
S.E. ¼ Sec. 23
N.W. ¼ Sec. 25
S.W. ¼ Sec. 24

MATCH LINE
SEE SHEET 4 of 19
(RIGHT of STA. 118+00)

(101 Y) 0.43 Ac. CHANNEL

SUMMIT COUNTY
GREEN TOWNSHIP
T-12 R-9

116+72.53 410'

117+26.23 436.77'

JOE SHEWCHIK & ANNA SHEWCHIK

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 4

Sheet Completed
Date: 3-20-61
Revised
Date: 5-10-61
General
Date: 10-16-61
Revised Access Rd. on
Parcel 102T
Date: 10-23-61
General

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. ¼ SEC. 23
T-12 R-9

STA. 128+00 TO STA. 144+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

302

6/19 R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 23
T-12 R-9

MATCH LINE INSERT

MATCH LINE SHEET NO. 7

END SHEET STA. 152

BEGIN SHEET STA. 144+00

WISE ROAD C.H. 250

N.W. 1/4 Sec. 23 — S.W. 1/4 Sec. 23

N.E. 1/4 Sec. 23 — S.E. 1/4 Sec. 23

S.W. 1/4 Sec. 23 — S.E. 1/4 Sec. 23

Open Field

Wooded Area

Marsh

Tree Line

Fence

Fence, Type "D"

Limit of Construction

Existg. R/W Line

Reloc. Drive Rt.

10' Gravel Drive

25' Reserved for Roadway

1½-Sty.-Wood & Stone Dwg.

6" Twin Elm

O.B.T.Co. Pole 24/27

O.B.T.Co. Pole 24/28

O.B.T.Co. Pole 24/30

O.B.T.Co. 24/31

O.B.T.Co. 14/32

O.B.T.Co. 24/33

O.E.Co. G.R. 2990

O.E.Co. G.R. 3448

O.E.Co. G.R. 3449

O.E.Co. G.R. 2371

O.E.Co. G.R. 2370

O.E.Co. G.R. 2361

O.B.T.Co. #92920

O.B.T.Co. #92721

O.B.T.Co. #92722

54°13'20" 151

N 33°10'30" W 148

150

149

147

146

145

154+61 / 455.00'

154+47.5 / 528.50'

154+50 / 626.00'

154+23 / 545.50'

153+84.5 / 650.00'

153+73.5 / 633.50'

154+20 / 588.50'

153+99 / 563.50'

153+53.5 / 283.50'

153+23 / 304.50'

152+99 / 364.50'

152+75.5 / 340.00'

152+68 / 148.00' C.P.A.

152+68 / 150.00'

152+40.5 / 322.50'

151+82 / 131.00' E.P.A.

151+82.5 / 293.00'

151+75 / 150.00'

151+44 / 131.00' E.P.A.

151+38.5 / 150.00'

150+81.5 / 282.00'

150+68 / 150.00'

150+68 / 148.00' I.A.P.A.

149+98 / 218.50'

149+94 / 131.00' E.P.A.

Sta. 150+67.85 M = Sta. 10+00 Wise Road

150+16.5 / 148.00' C.P.A.

150+16.5 / 150.00'

149+59 / 150.00'

149+21 / 150.00'

149+96 / 150.00'

149+55 / 131.00' E.P.A.

148+75 / 200.00'

148+66 / 150.00'

148+66 / 148.00' I.A.P.A.

147+57 / 80.50'

147+05.5 / 150.00'

147+56 / 514.50'

147+49.5 / 313.00'

146+83 / 585.00'

146+75.5 / 22.00'

146+68 / 451.00'

146+58 / 568.00'

146+34.5 / 550.50'

145+82 / 150.00'

156+84 / 761.00'

156+63.5 / 776.00'

156+38 / 794.00'

156+14.5 / 811.00'

156+03 / 819.00'

---

104 X — Cont. 0.01 Ac.

104 LA — Cont. 28.38 Ac.

104 — T.B.A. 0.36 Ac. P.R.O. 0.40 Ac. Cont. 0.76 Ac.

CLAYTON KEPLER

---

103 — T.B.A. 0.16 Ac. P.R.O. 0.23 Ac. Cont. 0.39 Ac.

103 WA

103 LA — Cont. 0.28 Ac.

STEVEN A. YARCHECK & MARY ANNE YARCHECK a.k.a. MARY A. YARCHECK

---

102 — T.B.A. 0.50 Ac. P.R.O. 0.33 Ac. Cont. 0.83 Ac.

102A — T.B.A. 0.40 Ac. P.R.O. 0.35 Ac. Cont. 0.75 Ac.

102 T — Cont. 1.33 Ac.

102 LA — T.B.A. 10.49 Ac. P.R.O. 0.26 Ac. Cont. 10.75 Ac.

JOE SHEWCHIK & ANNA SHEWCHIK

---

105 LA — T.B.A. 4.45 Ac. P.R.O. 0.26 Ac. Cont. 4.71 Ac.

105 — T.B.A. 0.20 Ac. P.R.O. 0.36 Ac. Cont. 0.57 Ac.

105A — T.B.A. 0.17 Ac. P.R.O. 0.14 Ac. Cont. 0.31 Ac.

WILLIAM WISE & FLOSSIE WISE

RECEIVED R/W OCT 18 1961 State Highway Dept. Div. No. 4

Sheet Completed Date: 3-20-61

Revised Date: 5-10-61
General
Date: 9-6-61
Added Access Rd. on Parcel 105
Date: 10-16-61
Revised Parcel 102T, Revised Reloc. Drive Rt. on Parcel 102T, Changed Acreage on Parcel 102T
Date: 10-18-61
Changed R/W Line & Acreage on Pcl. 105

General Revisions 10-23-61

STA. 144+00 TO STA. 152+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

303

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

7/19 R/W

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 23
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

CLAYTON KEPLER

Match Line Sheet No. 6

L-A

N. 33°-10'-30" W. 360.00'

Fence, Type "D"

Open Field

152+68
148.00'
C.P.A.

155+40
150.00'

Limit of Construction ?

159+00
150.00'

161+00
170.00'

N. 38°-53'-08" W. 201.00'

161+00
168.00'
I.A.P.A.

159+00
148.00'
I.A.P.A.

12" Elm
12" Elm
12" Elm
30" Elm

20" Elm

RAMP U

BEGIN SHEET STA. 152+00

MATCH LINE STA. 163+00

Tree Line

35°48'

157+50
℄

153 154 155 156 157 158 159 160 161 162

N 33°10'30"W

WILLIAM WISE & FLOSSIE WISE

105
T.B.A. 0.20 Ac.
P.R.O. 0.36 Ac.
Cont. 0.56 Ac.

105 LA
T.B.A. 4.45 Ac.
P.R.O. 0.26 Ac.
Cont. 4.71 Ac.

105A
T.B.A. 0.17 Ac.
P.R.O. 0.14 Ac.
Cont. 0.31 Ac.

CLAYTON KEPLER

104 LA
Cont. 28.38 Ac.

104
T.B.A. 0.36 Ac.
P.R.O. 0.40 Ac.
Cont. 0.76 Ac.

104 X
Cont. 0.01 Ac.

Open Field

Tree Line Fence

S. 02°-21'-46" W. 516.14'

Limit of Construction ?

Open Field

159+60
150.00'

Open Field

Fence, Type "D"

L-A

160+30
200.00'

WILLIAM WISE
&
FLOSSIE WISE

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC. 23
T-12 R-9

N.W. 1/4 Sec. 23
N.E. 1/4 Sec. 23

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

Pump House
Gas Well

Water Pump
10" Pine
Old Garage
2-Sty. Fr. Dwg.
1-Sty. Fr. Dwg.
15" Locust
16" Elm
24" Elm
24" Catalpa
2-24" Twin Elms
Shed
Out House
Wooded Area

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

N. 33°-10'-30" W. 900.00'

Fence, Type "D"

L-A

20" Apple
18" Apple
Oil Pond
4" Apple
Relief Valve
12" Apple
15" Apple
8" Elm
2" Gas Line
Pump House
10" Apple
10" Elm

170+00
170.00'

172+00
200.00'

N. 41°-42'-40" W. 202.24'

2041

L-A

170+00
168.00'
I.A.P.A.

Sta. 171+50 End Fence, Type "D"
Begin Rest Area Fence

204.0'
175.5'
258.0'
265.5'

Limit of Construction ?

104 LA

CLAYTON KEPLER

Tree Line

Open Field

RAMP U

6" Elm
12" Elm

164 165 166 167 168 169 170 171

N 33° 10' 30" W

4" Elm

Open Field

RAMP R

4" Elm
4" Elm
4" Elm

Limit of Construction ?

CLAYTON KEPLER

Fence

1040.00'
S. 33°-10'-30" E.

Fence, Type "D"

L-A

170+00
148.00'
I.A.P.A.

4" Elm

262.91'
S. 24°-38'-39" E.

L-A

170+00
150.00'

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

MATCH LINE STA. 163+00

SHEET END STA. 172+00

RECEIVED R/W
OCT 12 1961
State Highway Dept.
Div. No. 4

Sheet Completed
Date: April 18, 1961

Revised
Date: May 10, 1961
General
Date: 9-6-61
Added Access Rd.
on Parcel 105.
Added Park Fence
Offset.
Date: 10-23-61
General
Date: 9-1-67
Parcel 104 L.A.
Revised for Metes
& Bounds

STA. 152+00 TO STA. 172+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

304

8 / 19 R/W

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 23
T-12 R-9

Electrical Service for Rest Area to start from Pole at this approx. location as per Division conversation with Ohio Edison Co.

BEGIN SHEET STA. 172+00

END SHEET STA. 188+00

BLONNA BRUMBAUGH

CLAYTON KEPLER

REST AREA

WALTER E. TOWNER & DOROTHY E. TOWNER

BOARD OF EDUCATION OF GREEN LOCAL SCHOOL DISTRICT

Open Field

Open Field (Plowed)

Marsh

Tree Line

Fence

Rest Area Fence

Limit of Construction

Gate

Fence, Type "C"

Fence, Type "D"

Wooded Area

RAMP R

RAMP S

RAMP T

RAMP U

N 33°10'30" W

N.W. 1/4 Sec. 23
S.W. 1/4 Sec. 14

53°50'

104 LA Cont. 28.38 Ac.

104 X Cont. 0.01 Ac.

104 ~~T.B.A. 0.36 Ac.~~
~~P.R.O. 0.40 Ac.~~
~~Cont. 0.76 Ac.~~

104A LA Cont. 0.34 Ac.

106 LA Cont. 1.11 Ac.

107 LA
T.B.A. 14.15 Ac.
P.R.O. 0.29 Ac.
Cont. 14.44 Ac.

107
T.B.A. 1.03 Ac.
P.R.O. 0.51 Ac.
Cont. 1.54 Ac.

107A
T.B.A. 0.05 Ac.
P.R.O. 0.02 Ac.
Cont. 0.07 Ac.

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Dist. No. 4

R/W Plan Prior to 9-1-67

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 14
T-12 R-9

Sheet Completed
Date: April 18, 1961
Revised
Date: May 10, 1961
General
Date: 10-16-61
Changed Name on Parcel 106 LA, Reloc'd. Sewage Treatment Plants on Parcel 104 LA
Date: 10-23-61
General
Date: 9-1-67
Sheet Redrawn for addn'l. R/W at Roadside Park, see Sheet 8-A

STA. 172+00 TO STA. 188+00 — RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

305

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

9/19 R/W

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 14
T-12 R-9

Wooded Area

189+00
150.00'

N. 26° 27'-54" W.
342.35'

Tree Line

545.81'
N. 33°-10'-30" W.

WALTER E. TOWNER
&
DOROTHY E. TOWNER

2" Gas Line G #2041

Arc. = 603.38'
L.C. = 603.35'
R = 17,038.73'
N. 34°-11'-22" W

P.I. Sta. 207 + 80.99
Δ = 8° 53' 00" Lt.
D = 0° 20'
R = 17188.734'
T = 1335.18'
L = 2665.00'
E = 51.78'

189+00
148.00'
I.A.P.A.

Fence, Type "D"

Open Field

Limit of Construction

195+00
147.80'

P.C. Sta. 194 + 45.81

194+45.81
150.00'

RAMP T

STA. 188+00

STA. 198+00

189 190 191 192 193 194 195 196 197

N 33° 10' 30" W

107 LA

BEGIN SHEET

MATCH LINE

5 Trees 12" Elm

RAMP "S"

Open Field

14" Elm

194+45.81
168.00'
I.A.P.A.

188+00
170.00'

Limit of Construction

645.81'
S. 33°-10'-30" E

Fence, Type "D"

L.C. = S. 33°-58'-25" E.
483.91'

R=17,358.73'

194+45.81
170.00'

WALTER E. TOWNER
&
DOROTHY E. TOWNER

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 14
T-12 R-9

2" Gas Line G #1174

Sheet Completed
Date: April 18, 1961
Revised
Date: May 10, 1961
General
Date: 10-23-61
General
Date: 9-1-67
Par. 107 L.A.
Revised for
Metes & Bounds

P.I. Sta. 207 + 80.99
Δ = 8° 53' 00" Lt.
D = 0° 20'
R = 17188.734'
T = 1335.18'
L = 2665.00'
E = 51.78'

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 15
T-12 R-9

N. 02° 42'-57" E.
481.39'

END SHEET

STA. 202 + 00

CLARA FRANKS, PAUL C. FRANKS, RUSSELL FRANKS & MARJORIE R. WILLIAMS — (111 LA) Cont. 13.62 Ac. T.B.A. 0.44 Ac. (111) P.R.O. 0.30 Ac. Cont. 0.74 Ac.

Open Field

200+92
150.00'

200+54.5
150.00'

20" TPL #351

3" Gas Line G #696

Fence

200+43
150.00'

200+36.5
142.00'
E.P.A.

Markers

LA

201

N 33° 10' 30" W

R=17,338.73'
Arc.= 330.83'

201+00
150.00'

201+00
148.00'

200+45
154.00'
I.A.P.A.

Sta. 200+05.14 M = Sta. 10+00 Graybill Rd.

200+45
156.00'

200+00
142.00'
E.P.A.

177.76'

Fence, Type "D"

95° 51' 05"

O.B.T.Co. 450/13

199+84
163.50'

200+01.5
161.00'

Limit of Construction

199+80
330.00'

199+61.5
324.00'

199+80
502.50'

O.B.T.Co. 450/12

6" Twin Wild Cherry

Existg. R/W Line 2

199+82
652.00'

199+39
561.00'

199+09
595.50'

WA

107 WA-2

199+04
611.50'

197+87.5
704.50'

198+25
723.00'

R/W

C.H. 248

S. 48° 30' 20" E.

199+70
142.00
E.P.A.

199+61
166.00'

199+25
168.00'
I.A.P.A.

199+25
170.00'

199+18
220.00'

199+41.5
324.00'

107

198+53.5
419.00'

198+99
591.50'

198+81.5
584.00'

198+63.5
576.00'

198+34.5
478.00'

198+10
555.00'

197+80.5
700.00'

198+06.5
714.50'

198+03
402.00'

197+83
461.00'

O.B.T.Co. 450/15

Existg. R/W Line 1

Limit of Construction

WALTER E. TOWNER
&
DOROTHY E. TOWNER

Open Field

107 LA — T.B.A. 14.15 Ac. P.R.O. 0.29 Ac. Cont. 14.44 Ac.

107 — T.B.A. 1.03 Ac. P.R.O 0.51 Ac. Cont. 1.54 Ac.

107A — T.B.A. 0.05 Ac. P.R.O. 0.02 Ac. Cont. 0.07 Ac.

RECEIVED R/W OCT 18 1961 State Highway Dept. Dist. No. 4

110 — T.B.A. 0.01 Ac. P.R.O. 0.02 Ac. Cont. 0.03 Ac.

201+76
821.00'

201+02
794.00'

201+90.5
807.50'

201+44
767.50'

201+20
701.50'

201+23.5
614.50'

200+59.5
414.50'

204+36.5
780.00'

R/W

201+02.5
711.00'

201+28
787.00'

Fence

200+59.5
576.50'

No Mark

111 Limit of Constr. Fence

199+92.5
380.50'

200+26.0
172.30'

200+44.5
158.00'

Existg. R/W Line

O.B.T.Co. 450/12

A. 17 GRAYBILL ROAD

200+80.5
582.30'

2' Ditch

200+12.5
521.00'

200+39.5
426.50'

2' Stone Wall

199+86.5
335.00'

200+07
186.50'

Limit of Constr.

Fence

R/W

200+23
150.00'

200+04
142.00'
E.P.A.

200+02
150.00'

199+63
150.00'

199+70.5
214.00'

199+37
341.00'

199+44
386.50'

200+02
449.00'

200+36.5
594.00'

200+96.5
764.50'

200+79.5
718.50'

CARL E. BRENNEMAN & NEVA E. BRENNEMAN

CLARK C. HOEHN & HELEN M. HOEHN

108A — T.B.A. 0.06 Ac. P.R.O. 0.11 Ac. Cont. 0.17 Ac.

109

CLARK C. HOEHN & HELEN M. HOEHN

CARL G. WASSON & MARY E. WASSON

108 — T.B.A. 0.21 Ac. P.R.O 0.11 Ac. Cont. 0.32 Ac.

108 WA

Earth Drive

Stream

1½ Sty. Shingle Dwg.

Patio

Gar.

S.E. ¼ Sec. 15
S.W. ¼ Sec. 14

20" Pine #1853

3" Gas Line G #2041

N 13° 7' W

2" Gas Line G #1774

R=17,038.73'

Fence, Type "D"

107A

LA

199

RAMP "S"

MATCH LINE STA. 198 + 00

STA.188+00 TO STA.202+00 – RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

306

10/19

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

R/W

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.1/4 SEC.15
T-12 R-9

P.I. Sta. 207+80.99
Δ = 8°53'00" Lt.
D = 0°20'00"
R = 17188.73'
T = 1335.18'
L = 2665.00'
E = 51.78'

R = 17,038.73'

BEGIN SHEET STA. 202+00

MATCH LINE STA. 215+00

Match Line

Sta. 211+38.50
150.00'

Sta. 212+12
150.00'

Cont. 0.43 Ac.

Fence, Type "A"

Limit of Construction

Open Field

208+00
142.00'
I.A.P.A.

Fence

Tree Line

36" Oak

24" Wild Cherry

Wooded Area

202+46.0 ℄

491.39

N. 02° 42' 57" E.

36°16'

N 33° 10' 30" W

N 42° 03' 30" W

Pole

20 7/8 P.L. #52

6" Gas Line

6" #16861

204+31
150.00'

210+00
148.00'
I.A.P.A.

215+00
148.00'
I.A.P.A.

Limit of Construction

333.83'

S. 35° 54' 26" E.

Fence, Type "A"

R = 17,338.73'

Sta. 212+00
150.00'

Sta. 211+36
150.00'

Cont. 0.47 Ac.

CLARA FRANKS,
PAUL C. FRANKS,
RUSSELL FRANKS &
MARJORIE R. WILLIAMS

Cont. 13.62 Ac.

107 LA
T.B.A. 14.15 Ac.
P.R.O. 0.29 Ac.
Cont. 14.44 Ac.

111 LA

111 X

107
T.B.A 1.03 Ac.
P.R.O. 0.51 Ac.
Cont. 1.54 Ac.

WALTER E. TOWNER & DOROTHY E. TOWNER

107A
T.B.A. 0.05 Ac.
P.R.O. 0.02 Ac.
Cont. 0.07 Ac.

Open Field

SUMMIT COUNTY
GREEN TOWNSHIP
S.W.1/4 SEC. 14
T-12 R-9

S.E.1/4 Sec. 15
S.W.1/4 Sec. 14

Match Line Left

Sta. 213+99
410.50'

Sta. 214+14
389.00'

Sta. 212+11.50
304.50'

Sta. 212+69
271.00'

Match Line Right

Sta. 211+92.50
421.00'

Sta. 211+52
460.00'

Sheet Completed
Date: 4-28-61
Revised
Date: 5-10-61
General
Date: 10-16-61
Revised Structure
on Parcels 111X, 111A
X & 111LA.
Date: 10-23-61
General
Date: 9-1-67
Par 107-L.A. Revised
for Metes & Bounds.

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.1/4 SEC.15
T-12 R-9

P.I. Sta. 207+80.99
Δ = 8°53'00" Lt.
D = 0°20'00"
R = 17188.73'
T = 1335.18'
L = 2665.00'
E = 51.78'

JOHN HELLER & MARIE HELLER

112 LA
Cont. 1.58 Ac.
T.B.A. 0.005 Ac.
112 P.R.O. 0.04 Ac.
Cont. 0.045 Ac.

Meter House

#17752

Sta. 210+44
266.00'

Sta. 210+52.50
350.00'

Match Line

Sta. 211+09.50
263.00'

Sta. 211+16.50
337.00'

Match Line

219+02.0
150.00'

R = 17,038.73

Open Field

Limit of Construction

217+00
142.00'
I.A.P.A.

Fence

Tree Line

#17747

6" Gas Line

221+10.81 Bk. = 221+11.75 Ah.
148.00'
I.A.P.A.

P.T. Sta. 221+10.81 Bk. = 221+11.75 Ah.

221+10.81 Bk. = 221+11.75 Ah.
150.00'

220+70.5
150.00'

112 LA

111 LA

217+59.5 ℄

45°18'

N 42° 03' 30" W

Wooded Area

Limit of Construction

215+00
148.00'
I.A.P.A.

221+10.81 Bk. = 221+11.75 Ah.
148.00'
I.A.P.A.

221+10.81 Bk. = 221+11.75 Ah.
150.00'

Fence, Type "A"

R = 17,338.73'

S.E.1/4 Sec. 15
N.E.1/4 Sec. 15

216+19.8
150.00'

CLARA FRANKS
PAUL C. FRANKS
RUSSELL FRANKS &
MARJORIE R. WILLIAMS

111 LA Cont. 13.62 Ac.
T.B.A. 0.44 Ac.
111 P.R.O. 0.30 Ac.
Cont. 0.74 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
N.E.1/4 SEC.15
T-12 R-9

WILLIAM J. THORN

117 LA Cont. 0.14 Ac.
117 T.B.A. 0.02 Ac.
P.R.O. 0.03 Ac.
Cont. 0.05 Ac.

USTES C. THORN & MARY L. THORN

116 LA Cont. 0.58 Ac.
116 T.B.A. 0.08 Ac.
P.R.O. 0.10 Ac.
Cont. 0.18 Ac.

40' Private Drive

2" Gas Line

6" Gas Line

226+30
150.00'

227+64.5
150.00'

228+21
150.00'

229+89.5
150.00'

227+93
150.00'

226+99
82.50'

226+12.5
166.50'

227+27
541.00'

227+13
68.00'

225+97.5
150.00'

45°17'00"

ROAD

10" Apples
12" Apple
8" Pear
6" Apple
8" Apple
12" Apple
18" Apple
4" Elm

225+25.5
150.00'
LULA W. THORN

225+76
71.50'

228+12
29.50'

Sta. 226+42.55 ℄ =
Sta. 10+00 Thorn Rd.
E.C. THORN

WILLIAM J. THORN &
LULA W. THORN

229+35
150.00'

113 LA

224+99
150.00'

223+39.5
112.50'

224+70.5
150.00'

223+77
150.00'

225+90
85.50'

114 LA Cont. 0.97 Ac.

115 LA Cont. 1.37 Ac.
115 T.B.A. 0.08 Ac.
P.R.O. 0.09 Ac.
Cont. 0.17 Ac.

226+55.5
150.00'

Limit of Construction

229+70
181.00'

LULA W. THORN

113 LA Cont. 1.33 Ac.

Wooded Area

DAVID M. STALNAKER &
MABLE STALNAKER

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 4

END SHEET STA. 230+00

STA. 202+00 TO STA. 230+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

307

11/19 R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.1/4 SEC.15
T-12 R-9

KERMIT HAROLD BURNS
144 P.R.O. 0.04 Ac.

ROBERT K. BURNS
143 T.B.A. 0.02 Ac.
P.R.O. 0.11 Ac.
Cont. 0.13 Ac.

CLEDA McCUTCHEON & MARIE McCUTCHEON
142 T.B.A. 0.02 Ac.
P.R.O. 0.05 Ac.
Cont. 0.07 Ac.
142 T Cont. 0.01 Ac.

CLAYTON A. MOTZ & EVELYN N. MOTZ

142A T.B.A. 0.02 Ac.
P.R.O. 0.05 Ac.
Cont. 0.07 Ac.

E.R. BOLIN & ETHEL BOLIN
141 T.B.A. 0.072 Ac.
P.R.O. 0.248 Ac.
Cont. 0.320
141 S Cont. 0.038

JOHN HELLER & MARIE HELLER
112 T.B.A. 0.005 Ac.
P.R.O. 0.04 Ac.
Cont. 0.045 Ac.
112 LA Cont. 1.58 Ac.

LULA THORN
118 T.B.A. 0.03 Ac.
P.R.O. 0.07 Ac.
Cont. 0.10 Ac.

WILLIAM J. THORN
117 LA Cont. 0.14 Ac.
117 T.B.A. 0.02 Ac.
P.R.O. 0.03 Ac.
Cont. 0.05 Ac.

USTES C. THORN & MARIE L. THORN
116 LA Cont. 0.58 Ac.
116 T.B.A. 0.08 Ac.
P.R.O. 0.10 Ac.
Cont. 0.18 Ac.

WILLIAM J. THORN
LULA W. THORN
115 LA Cont. 1.37 Ac.
115 T.B.A. 0.98 Ac.
P.R.O. 0.09 Ac.
Cont. 0.17 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
N.E. 1/4 SEC.15
T-12 R-9

JOSEPH R. FLAKER & MILDRED A. FLAKER
120 LA Cont. 0.46 Ac.
120 T.B.A. 0.09 Ac.
P.R.O. 0.06 Ac.
Cont. 0.15 Ac.

CHARLES L. VICKERS
123 LA Cont. 0.29 Ac.

EVERETT P. ELLIOTT
125 T.B.A. 0.15 Ac.
P.R.O. 0.10 Ac.
Cont. 0.25 Ac.

VICTOR M. CORDER
122 LA Cont. 0.32 Ac.

RICHARD T. NIETHAY & VERNA MAXINE NIETHAY
121 LA Cont. 0.38 Ac.

DAVID M. STALNAKER & MABLE STALNAKER
121 A T.B.A. 0.02 Ac.
P.R.O. 0.01 Ac.
Cont. 0.03 Ac.

DAVID M. STALNAKER & MABLE STALNAKER
121 A LA Cont. 0.15 Ac

FRANK WOLVERTON
124 T.B.A. 1.97 Ac.
P.R.O. 0.03 Ac.
Cont. 2.00 Ac.
124 T.B.A. 0.15 Ac.
P.R.O. 0.09 Ac.
Cont. 0.24 Ac.

LLOYD GRABLE & DAWN GRABLE
126 LA T.B.A. 2.81 Ac.
P.R.O. 0.81 Ac.
Cont. 3.62 Ac.
126 T.B.A. 0.26 Ac.
P.R.O. 0.10 Ac.
Cont. 0.36 Ac.
126 C LA T.B.A. 0.01 Ac.
P.R.O. 0.04 Ac.
Cont. 0.11 Ac.
126 A LA T.B.A. 0.13 Ac.
126 B LA T.B.A. 0.59 Ac.
P.R.O. 0.01 Ac.
Cont. 0.60 Ac.

WILLARD R. LaVOIE & VIVIAN V. LaVOIE
148 T.B.A. 0.09 Ac.
P.R.O. 0.02 Ac.
Cont. 0.11 Ac.
148 LA Cont. 1.65 Ac.

ALTA STIPE, HAZEL L. STIPE, MARTHA A. HOOVER & HAROLD R. STIPE
140 LA T.B.A. 13.42 Ac.
P.R.O. 0.58 Ac.
Cont. 14.00 Ac.
140 T.B.A. 0.34 Ac.
P.R.O. 0.43 Ac.
Cont. 0.77 Ac.
140 T Cont. 0.19 Ac.
140 AX Cont. 0.06 Ac.

ROBINWOOD ESTATES
A Subdivision in the N.E. 1/4 Sec. 15
Township 12 (Green) Range 9
Summit County, Ohio
Plat 50 Pages 29 & 30

BEGIN SHEET STA. 230+00

END SHEET STA. 245+00

MATCH LINE

N 42°03'30" W

Sta. 16+53.44 Massillon Rd.
Sta. 0+00 Sandy Knoll Dr.

Sta. 15+82.24 Massillon Rd.
Sta. 18+97.66 Robinwood Dr.

Sta. 241+00.00 = Sta. 19+86.08 Massillon Rd.

RECEIVED R/W OCT 18 1961 State Highway Dept. Div. No. 4

Sheet Completed
Date: 4-28-61
Revised
Date: 5-10-61
General
Date: 9-13-61
Parcel 124-Changed Name
Parcel 140-Changed Name
Added Parcel 142 A & 142 B WA
Changed Parcel 126 LA to 126 A LA, 126 B LA & 126 C LA
Date: 10-16-61
Added Parcel 140 AT. Changed Offsets from Sta. 242+50 to 242+70.

REVISED Location of 120-WA + ADDED 125-WA 9-25-62

Added Pcl. 141-S & Revised Area for Pcl. 141 11-22-61
Added Pcl. 121-A-LA & Revised Name & Area of Pcl. 121-LA 11-22-61
Changed Pcl Nos. 121 & 121-WA To 121-A, 121-AWA 11-22-61

SHEET NO. 12

General Revisions 10-23-61
Parcel 141 Revised Station Offsets 10-20-61

STA. 230+00 TO STA. 245+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

308

12/19

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

R/W

ROBINWOOD ESTATES
A Subdivision in the N.E. 1/4 Sec. 15
Township 12 (Green) Range 9
Summit County, Ohio
Plat 50 Pages 29 & 30

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 15
T-12 R-9

BEGIN SHEET STA. 230+00

MATCH LINE SHEET NO. 11

END SHEET STA. 245+00

MASSILLON ROAD SH 241

ROBINWOOD DRIVE

RABER TERRACE 50'

RAMP L

RAMP M

Limit of Construction

Fence, Type "D"

Fence, Type "O"

Tree Line

Lot #1 LLOYD GRABLE & DAWN GRABLE

Lot #2 LLOYD GRABLE & DAWN GRABLE

Lot #5 LLOYD GRABLE & DAWN GRABLE

Lot #6 LLOYD GRABLE & DAWN GRABLE

Lot #7 LLOYD GRABLE & DAWN GRABLE

Lot #8 LLOYD GRABLE & DAWN GRABLE

Lot #9 LLOYD GRABLE & DAWN GRABLE

Lot #10 LLOYD GRABLE & DAWN GRABLE

Lot #11 LLOYD GRABLE & DAWN GRABLE

Lot #12 LLOYD GRABLE & DAWN GRABLE

Lot #17

Lot #19

Lot #26 JANICE L. LAMB

Lot #28

Lot #30

Lot #32

Lot #34

Lot #36

Lot #38

(120 LA) Cont. 0.46 Ac.
T.B.A. 0.09 Ac.
P.R.O. 0.06 Ac.
(120) Cont. 0.15 Ac.
WILLIAM J. THORN & LULA W. THORN
JOSEPH R. FLAKER & MILDRED A. FLAKER

(115 LA) Cont. 1.37 Ac.
(115 LA) T.B.A. 0.08 Ac.
P.R.O. 0.09 Ac.
Cont. 0.17 Ac.
RICHARD L. METHAY & VERNA MAXINE METHAY

(121 LA) Cont. 0.98 Ac.

VICTOR M. CORDER
(122 LA) Cont. 0.32 Ac.

DAVID M. STALNAKER & MABLE STALNAKER
(121 A LA) Cont. 0.15 Ac.

STEPHEN G. LICHTENBERGER & BARBARA L. LICHTENBERGER
(127 LA) T.B.A. 0.43 Ac.
P.R.O. 0.01 Ac.
Cont. 0.44 Ac.

FRANK WOLVERTON
(124 LA) T.B.A. 1.97 Ac.
P.R.O. 0.03 Ac.
Cont. 2.00 Ac.
Wooded Area
(124) T.B.A. 0.15 Ac.
P.R.O. 0.09 Ac.
Cont. 0.24 Ac.

DENZIL C. TATTERSON & JULIA E. TATTERSON
(131 LA) T.B.A. 0.63 Ac.
P.R.O. 0.07 Ac.
Cont. 0.70 Ac.

PETER P. KRAJECK & CARMEN V. KRAJECK
(134 LA) T.B.A. 0.51 Ac.
P.R.O. 0.07 Ac.
Cont. 0.58 Ac.

HAROLD L. POLEN & KATHLEEN W. POLEN
(135 LA) T.B.A. 0.39 Ac.
P.R.O. 0.07 Ac.
Cont. 0.46 Ac.

ALTA STIPE, HAZEL L. STIPE, MARTHA A. HOOVER & HAROLD R. STIPE
(140 LA) T.B.A. 13.42 Ac.
P.R.O. 0.58 Ac.
Cont. 14.00 Ac.
(140) T.B.A. 0.34 Ac.
P.R.O. 0.43 Ac.
Cont. 0.77 Ac.
(140 T) Cont. 0.19 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC. 15
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.E. 1/4 SEC. 10
T-12 R-9

EDDIE ROBINSON & LILLY ROBINSON
(137 WA) T.B.A. 0.15 Ac.
P.R.O. 0.07 Ac.
Cont. 0.22 Ac.
(137) T.B.A. 0.15 Ac.

DAN W. HOOVER & MARTHA A. HOOVER
(138) T.B.A. 0.24 Ac.
P.R.O. 0.17 Ac.
Cont. 0.41 Ac.

PAUL PERGL & MARY PERGL
(139) T.B.A. 0.06 Ac.
P.R.O. 0.12 Ac.
Cont. 0.18 Ac.

JOHN MADJAR & SUSAN MADJAR

LLOYD GRABLE & DAWN GRABLE
(126 C LA) T.B.A. 0.07 Ac.
P.R.O. 0.04 Ac.
Cont. 0.11 Ac.
(126) T.B.A. 0.26 Ac.
P.R.O. 0.10 Ac.
Cont. 0.36 Ac.
(126 LA) T.B.A. 2.81 Ac.
P.R.O. 0.81 Ac.
Cont. 3.62 Ac.
(126 A LA) T.B.A. 0.13 Ac.
(126 B LA) T.B.A. 0.59 Ac.
P.R.O. 0.01 Ac.
Cont. 0.60 Ac.

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 4

Sheet Completed
Date: 4-28-61
Revised
Date: 5-10-61
General
Date: 6-20-61
General
Date: 9-13-61
Parcel 124-Changed Name,
Parcel 140-Changed Name
Changed Parcel 126 LA
to 126 A LA, 126 B LA
& 126 C LA
Date: 10-16-61
Revised Raber Rd.
Approach

Added Pcl. 121-A-LA & Revised Name & Area Pcl. 121-LA 11-22-61
Changed Pcl. Nos. 121 & 121-WA TO 121-A, 121-A-WA 11-22-61
General Revisions 10-23-61

STA. 230+00 TO STA. 245+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

309

13/19 R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

140 LA T.B.A. 13.42 Ac.
P.R.O. 0.58 Ac.
Cont. 14.00 Ac.

140 T.B.A. 0.34 Ac.
P.R.O. 0.43 Ac.
Cont. 0.77 Ac.

140 T Cont. 0.19 Ac.

140 A T Cont. 0.03 Ac.

ALTA STIPE,
HAZEL L. STIPE
MARTHA A. HOOVER &
HAROLD R. STIPE

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.1/4 SEC.15
T-12 R-9

WILLARD R. LaVOIE &
VIVIAN V. LaVOIE

148 LA Cont. 1.50 Ac.

148 T.B.A. 0.09 Ac.
P.R.O. 0.02 Ac.
Cont. 0.11 Ac.

BEGIN SHEET

STA. 245+00

246 247 248 249 250 251 252 253 254 255 256 257 258 259

STA. 260+00

END SHEET

248+20
150.00'

248+20
148.00' I.A.P.A.

256+48.5
150.00'

259+57.5
150.00'

L A

Cultivated Field
Corn

Cultivated Field
Wheat

Limit of Construction?

Fence, Type "D"

Fence

36" Oak

140 LA

148 LA

150 LA

Wooded Area

RAMP K

Light Brush & Small Trees

Morsh

255+00 ℄

255+13
13.00'

N 87°11'30"W 1835'

N 42°03'30"W

40"

RAMP L

Cultivated Field
Wheat

Light Brush

45°08'

55" Oak

N 87°11'30"W 233.50

N 32°06'E
232.7'

24" Poplar

36" Poplar

Wooded Area

Tree Line

140 A LA

256+67
139.50'

256+77.5
148.00'
I.A.P.A.

Cultivated Field

6" Wild Cherry

15" Apple

Tree Line

248+09
188.00' I.A.P.A.

Limit of Construction?

Fill for Drainage

Fence, Type "D"?

15" Maples

24" Oak

36" Oak

S 44°38'44"E 343.35'

Cleared

IDA L. LYONS, FOLA H. CARR
E. GLADYS BOWERS &
DALE F. CARR

246+50
255.50' I.A.P.A.

18" Apple

15" Pear

6" Wild Cherry

Corn Shed

6" Plum

5" Plum

18" Walnut

246+50
257.50'

248+09
190.00'

251+50
174.00'

140 A T

252+30
170.00'

252+00
200.00'

253+34.5
165.50'

140 A LA T.B.A. 0.67 Ac

256+77.5
150.00'

150 LA Cont. 14.51 Ac.

245+45
312.00'
E.P.A.

4" Evergreens

6" Pear

2-Sty. Fr. Dwg.

Plum

5" Walnut

2-15" Walnuts

2-Sty. Fr. Shingle Dwg.

Lilacs

2-Sty. Fr. Shed

8" Apple

10" Apple

Shed

10" Apple

Fr. Shed

245+45
314.00'

10" Apple

Wood Post

Dip Pear

10" Cherry

10" Maple

Wood Post

Shrub

6" Cherry

30" Cherry

G.A. #389

MASSILLON ROAD

Bituminous

Existg. R/W Line

N.W.1/4 Sec.15

N.E.1/4 Sec.15

Under Blast

Overhang

Frame Barn

Stone Pile Along Silo

Existg. R/W Line

Fenced

Cleared Pasture

Tree Line

Fence

Alta Stipe

N.W.1/4 Sec.15
S.W.1/4 Sec.10

89°59' 60"
N 86° 37' 20 W
3022 40

ALTA STIPE, HAZEL L. STIPE,
MARTHA A. HOOVER & HAROLD R. STIPE
(OWNERS OF RECORD FOR ACQUISITION OF PCLS
140-LA, 140A-T)

JOHN MADJAR &
SUSAN MADJAR

SUMMIT COUNTY
GREEN TOWNSHIP
N.E.1/4 SEC.15
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.1/4 SEC.15
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.W.1/4 SEC.10
T-12 R-9

For Massillon Rd. Area
See Sheet No. 12

RECEIVED R/W
OCT 19 1969
State Highway Dept.
Dist. No. 4

Sheet Completed
Date: 6/20/61

Revised
Date: 10-23-61
General
Pcl. 140A-LA
ADDED, 10-30-69
REVISED NAME
Pcl. 140-A-LA 3/23/70

STA. 245+00 TO STA. 260+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

310

SUMMIT COUNTY
SUM-8-1.89

LIMITED ACCESS

14 / 19 R/W

BEGIN SHEET STA. 260+00

MATCH LINE STA. 274+00

WILLARD R. LaVOIE & VIVIAN V. LaVOIE

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

262+00 150.00'
263+00 160.00'
262+00 148.00' I.A.P.A.
263+00 158.00' I.A.P.A.
272+00 160.00'
273+00 150.00'
272+00 158.00' I.A.P.A.
273+00 148.00' I.A.P.A.

LA — Fence, Type "D" — Limit of Construction

Wooded Area

IDA L. LYONS, FOLA H. CARR
E. GLADYS BOWERS &
DALE E. CARR

150 LA Cont. 14.51 Ac.

Rt. of Way (Cleared)

36" Poplor, 30", 36" Poplor, 40" Poplor, 40" Poplor, 32" Poplor, 15" Twin Oak, 30" Beech, 26", 32" Oak, 24" Poplar, 28" Poplar, 2-15" Twin Oaks, 24" Poplar, 30" Poplar, 28" Poplar, 32" Poplar, 38" Poplar, 20" Wild Cherry, 32" Oak, 3-40" Elms, 32" Poplar, 18" Poplar, 40" Poplar, 28" Poplar, 20" Poplor, 30" Elm, 18" Poplar, 2-20" Oaks, 30" Poplar, 30" Oak, 24" Poplar, Spring, 24"

261 262 263 264 265 266 267 268 269 270 271 272 273

N 42°05'30" W

264+00 148.00' I.A.P.A.
264+00 150.00'
267+00 158.00' I.A.P.A.
267+00 160.00'
274+00 158.00' I.A.P.A.
274+00 160.00'

Wooded Area — Limit of Construction — Wooded Area — Fence, Type "D" — LA

6" Sinclair Pipe Line Co.'s Oil and Gas Pipe Line

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

S.E. 1/4 Sec. 9
S.W. 1/4 Sec. 10

277+20 150.00'

153 LA Cont. 2.54 Ac.

HAROLD FORRINGER & GLAYDS FORRINGER

Fr. Privy 4½' Dia.

4" Maple, 6" Cherry, 24" Oak, 12" Ditch, Shrub, 4" Maple, 2" Willow, Log Foot Bridge, G.R. #3558, Block Wall Conc., Well House, Fr. Shed, Light, 8" V.C.P. Wafer Tap, Auto & Trailer Fr. Dwg., Cinder Block Fdn., Light, Earth Drive, G.R. #3376, Septic Tank, 2-10" C.M.P., Ave. 4" Trees, 12" V.C.P., 28" Stump, Trees, 2" Maple, 4" Clump, 10" Elm, 3" Pipe, 12" Pipe, Saplings, 4" Trees, Dead Pole, Steel Fence Post, Brush, Ditch, 12" Ash, 14" Ash, 24" Ash, 30" Oak, 8" C.P., 24" Maple, 24" Oak, 30" Oak, 40" Oak, 24" Oak, 30" Oak, 38" Poplar, 30" Poplar, 36" Elm, 30" Oak, 30" Elm, 24" Beech

Tree Line, 44°32'

275 276 277 278 279 280 281 282 283 284 285 286 287

N 42°03'30" W

278+73 ℄

280+10 150.00'
280+24 150.00'
280+76 201.00'
279+90 150.00'
280+10 232.00'
279+90 232.00'
281+27 150.00'
282+98 150.00'
282+98 148.00' C.P.A.
283+28 121.00'
283+59.5 150.00'
283+28 119.00' C.P.A.
284+81.5 141.00'
284+91 150.00'
284+73 150.00'
285+50.5 148.00' I.A.P.A.
286+70.5 150.00'

Cleared — Limit of Construction — Wooded Area — Fence, Type "D" — LA

Cont. 0.04 Ac.
150 X

Cinder Road

Recreation Area

JACOB LUCKEY

Swale, House Trailer, Wooded Area, Gravel Parking

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 10
T-12 R-9

3' Ave. Width, .2' Ave. Depth

ROBERT G. HOFFMAN & MARGARET E. HOFFMAN

Scattered 1"-4" Trees, Posture, Fence, Tree Line, 6" Maple, 12" Maple, 6" Pear

283+85 144.00'
283.79.5 150.00'
281.87.5 150.00'
284+71 230.00'
285+00 148.00' I.A.P.A.

169 LA T.B.A. 1.98 Ac. P.R.O. 0.01 Ac. Cont. 1.99 Ac.
169 T.B.A. 0.06 Ac. P.R.O. 0.12 Ac. Cont. 0.18 Ac.

Heavy Brush & Trees

ROY BEAL & MARGARET M. BEAL

15' Ave. Width, 1' Ave. Depth

ROBERT G. HOFFMAN & MARGARET E. HOFFMAN

Fence, Spring

VINCENT A. OLENICK & MARIE R. OLENICK

283+00 148.00' I.A.P.A.
283+85 142.50' I.A.P.A.
283+07 31.50'

156 LA Cont. 1.28 Ac.

168 LA Cont. 1.33 Ac.

168 T.B.A. 0.08 Ac. P.R.O. 0.08 Ac. Cont. 0.08 Ac.

Clump of 6-1" Dogwood, Open Field, 6" Twin Elm, 3" Apple, 4" Apple, 2" Plum, 4" Plum, 6-2" Plum, 4" Dogwood, 6" Apple, 8" Apple, 6" Plum, 2" Apricot, 4" Apple, 10" Apple, 2-4" Plums, 3" Cherry, 2" Scott Pine, 4" Maple, 6" Non Shrubs, 3-12" Apples, 1-Sty Stucco Dwg. & Storage, 1-Sty Stucco Dwg. & Shrubs, 1-Sty Stucco Dwg., Fr. Garage, 10' Gravel Dr., Fr. Storage Bldg., 4'x5' Privy, Fr. Dwg., Tree Line

FLOYD M. THOMAS & FLORENCE MABEL THOMAS

MARY HAMRICK

Cont. 0.74 Ac.

Limit of Construction

JACK WHITE & PATRICIA WHITE

RECEIVED R/W
OCT 18 1961
State Highway Dept. Div. No. 4

Sheet Completed Date: 6/20/61

Revised Date: 10-16-61
Added Parcel 150X
Date: 10-23-61
General

STA. 260+00 TO STA. 288+00 — RIGHT OF WAY PLAN

SHEET END STA. 288+00

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

311

15
19

R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

HARRY W. STROSAKER
EMBLE V STROSAKER

165 T.B.A. 0.04 Ac.
P.R.O. 0.10 Ac.
Cont. 0.14 Ac.

INEZ E. PITTMAN

IVOR LEON FOSS
DONNA J. FOSS

WILLIAM A. BURKE & CORDA D. BURKE a.ka. CORDA L. BURKE

HARRY F. SUTTLE

SUMMIT COUNTY
GREEN TOWNSHIP
N.E.¼ SEC. 9
T-12 R-9

IDA M. SOWERS

ARNOLD V. HALL & RUTH N. HALL

DANA YORK

CHRISTIAN E. RHONEMUS
SHERMAN S. DALBEY

ROBERT E. FULKS & RAMONA J. FULKS

WILLIAM G. RAY
MARY RUTH RAY

M.M. CARTER
T.B.A. 0.04 Ac.
P.R.O. 0.12 Ac.
Cont. 0.16 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.¼ SEC. 9
T-12 R-9

WOODROW JENKINS

HOWARD N. MARLOW & SUE J. MARLOW a.Ka. SUE MARLOW

Septic Agreement

ROBERT G. HOFFMAN & MARGARET E. HOFFMAN

ROY BEAL & MARGARET M. BEAL

Sta. 252+49.66 NL = Sta. 10+00 Turkeyfoot Lake Rd.

N 42°03'30" W

45°13'55"

Sta. 294+00 BEGIN SHEET

Sta. 288+00 END SHEET

MATCH LINE STA. 15+00

Fence, Type "D"

Limited Access R/W

Existg. R/W Lines

Tree Line

Brush & Trees

Open Field

Heavy Brush

Woods

Fr. Shed

Fr. Storage Bldg.

Fr. Storage Shed Wooded Area

Fr. Storage Wooded Blk.

Large Stone

Drive R/W

Gravel Drive

Bit. Pav't.

Pav't.

Septic Tank

Conc. Blk. Basement

Pond 6' River Depth

Spillway

Scale House

Trailer

Wash House

Cinder Blk. Pump House

Flagstone Walk

Limestone Dr.

Mobile Home

Shed

Barn

Silo

Pasture

Fr. Gar.

Conc. Apron

Conc. Ret. Wall

Brick Pillar

Steel Post

Wood Post

Iron Pipe

Conc. Mon.

Shrub Hedge

Rose Bushes

Lilac

Weeping Willow

Grape Arbor

Existg. R/W Line

Existg. R/W Line of Pickle Road

Sta. 19+66.60 - Turkey Foot Lake Road
Sta. 0+00.00 - Pickle Road

TURKEYFOOT LAKE ROAD

N.E.¼ Sec. 9
S.E.¼ Sec. 9
N.W.¼ Sec. 10
S.W.¼ Sec. 10

88°26'10"

FLOYD M. THOMAS & FLORENCE MABEL THOMAS

VINCENT A. OLENICK & MARIE R. OLENICK

BIRD E. MONTGOMERY

EDITH L. MORRISON

WILLIAM PAUL HIGGINS Jr. & DELCIE HIGGINS

IDA L. LYONS, FOLA H. CARR, E. GLADYS BOWERS & DALE F. CARR

JACK WHITE & PATRICIA WHITE

HAROLD H. KITTLE & IRENE KITTLE

WILLIAM L. MASON & NELLIE VIOLA MASON

DUNCAN

E. GIGGER

SUMMIT COUNTY
GREEN TOWNSHIP
N.E.¼ SEC.9
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
N.W.¼ SEC.10
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.¼ SEC.9
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.W.¼ SEC.10
T-12 R-9

PICKLE ROAD

N.E.¼-Sec.9 N.W.¼ Sec.10

S.E.¼ Sec.10 S.W.¼ Sec.10

FLOYD M. THOMAS & MABEL THOMAS
168 LA Cont. 1.33 Ac.
168 T.B.A. — P.R.O. 0.08 Ac. Cont. 0.08 Ac.

MARGARET M. BEAL & ROY BEAL
169 LA T.B.A. 1.98 Ac. P.R.O. 0.01 Ac. Cont. 1.99 Ac.
169 T.B.A. 0.06 Ac. P.R.O. 0.12 Ac. Cont. 0.18 Ac.
169 WA Channel Cleanout

ARNOLD V. HALL & RUTH N. HALL
173 T.B.A. 0.15 Ac. P.R.O. 0.10 Ac. Cont. 0.25 Ac.

DANA YORK
174 LA T.B.A. 0.23 Ac. P.R.O. 0.10 Ac. Cont. 0.34 Ac.
174 Cont. 0.02 Ac.
174 T Cont. 0.01 Ac.

IDA M. SOWERS
175 LA T.B.A. 0.76 Ac. P.R.O. 0.10 Ac. Cont. 0.86 Ac.

HOWARD N. MARLOW & SUE J. MARLOW a.ka. SUE MARLOW
177 LA T.B.A. 0.24 Ac. P.R.O. 0.03 Ac. Cont. 0.27 Ac.
177 T.B.A. 0.35 Ac. P.R.O. 0.06 Ac. Cont. 0.41 Ac.

HARRY C. WHITE & JANE C. WHITE
176 LA T.B.A. 1.32 Ac. P.R.O. 0.11 Ac. Cont. 1.43 Ac.

OKEY L. HARDMAN & SNOW HARDMAN
184 LA Cont. 2.12 Ac.
184 T.B.A. 0.34 Ac. P.R.O. 0.10 Ac. Cont. 0.44 Ac.

HARRY F. SUTTLE
185 LA Cont. 0.04 Ac.
185 T.B.A. 0.02 Ac. P.R.O. 0.05 Ac. Cont. 0.07 Ac.
185 T Cont. 0.02 Ac.

WILLIAM A. BURKE & CORDA D. BURKE a.ka. CORDA L. BURKE
187 LA Cont. 2.94 Ac.
187 T.B.A. 0.01 Ac. P.R.O. 0.11 Ac. Cont. 0.12 Ac.

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Dist. No. 4

Sheet Completed
Date: 6/20/61
Revised
Date: 10-16-61
Revised R/W on Parcel 179
Removed Parcels 177T, 178T & 179T & 173T
Added Parcels 178WA & 177WA
Date: 10-23-61
General
Added 169-WA 9-5-62
Added Pcl 177-SA Per loc. dated 12-23-63 12-23-63

STA. 288+00 TO STA. 294+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

312

16 / 19

R/W

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

SUMMIT COUNTY
GREEN TOWNSHIP
S.E.¼ SEC.9
T-12 R-9

HARRY E. SUTTLE

185 LA — Cont. 0.04 Ac.

185 T — T.B.A. 0.02 Ac.
P.R.O. 0.05 Ac.
Cont. 0.08

185 T — Cont. 0.02 Ac.

STA. 294+00 BEGIN SHEET

STA. 306+00 MATCH LINE

STA. 322+00 END SHEET

N 42°03'30" W

WOODROW JENKINS — 6.0" Spruce — 22" Oak — 178

HOWARD N. MARLOW & SUE J. MARLOW a.k.a. SUE MARLOW — 177

SUE MARLOW — 178 — T.B.A. 0.36 Ac. — P.R.O. 0.10 Ac. — Cont. 0.46 Ac.

IDA M. SOWERS — 175 LA — T.B.A. 0.76 Ac. — P.R.O. 0.10 Ac. — Cont. 0.86 Ac.

DANA YORK — 176 LA — T.B.A. 1.32 Ac. — P.R.O. 0.11 Ac. — Cont. 1.43 Ac.

HARRY C. WHITE & JANE C. WHITE — 184 LA — Cont. 2.12 Ac.

OKEY L. HARDMAN & SNOW HARDMAN — 184 — T.B.A. 0.34 Ac. — P.R.O. 0.10 Ac. — Cont. 0.44 Ac.

WILLIAM A. & CORDA D. BURKE a.k.a. CORDA L. BURKE — 187 LA — Cont. 2.94 Ac.

187 — T.B.A. 0.01 Ac. — P.R.O. 0.11 Ac. — Cont. 0.12 Ac.

IVOR LEON FOSS & DONNA J. FOSS — Small Trees & Light Brush — Cont. 0.12 Ac. — 188 LA

HARRY F. SUTTLE — 185 LA — I.A.P.A. — Chicken House — Open Field — Limit of Construction

INEZ E. PITTMAN — 189 LA — Cont. 0.44 Ac. — Open Field — Tree Line

MELVIN O. KING & HELEN KING — Fence Type "D" — Limit of Construction — Wooded Area — 190 LA — Cont. 0.23 Ac.

RALPH A. FINCANNON JR. & DORIS COLLEEN FINCANNON — 48" Walnut

ROBERT D. FARRISS, WILLIAM D. FARRISS, BETTY L. GROSS, MARY IMOGENE BETTLER & HELEN R. HALSEY — 193 LA — Cont. 17.52 Ac. — Open Field — Tree Line — Wooded Area & Light Brush — Fence Type "D"

SUMMIT COUNTY GREEN TOWNSHIP N.E.¼ SEC.9 T-12 R-9

Fence Type "D" — Open Field — Limit of Construction — Wooded Area & Light Brush

Sta. 316+00 Bk. = Sta. 317+00 Ahd.

SUMMIT COUNTY GREEN TOWNSHIP N.W.¼ SEC.9 T-12 R-9 — 193 LA — Cont. 17.52 Ac.

193 X — Cont. 0.06 Ac.

193 LA — 17.52 AC. — ROBERT D. FARRISS, WILLIAM D. FARRISS, BETTY L. GROSS, MARY IMOGENE BETTLER & HELEN R. HALSEY

Open Cultivated — Limit of Construction — Fence Type "D" — End Fence — Tree Line — Fence — Open Field — Wooded Area & Light Brush

Conc. Slab — Frame Barn — Conc. Apron — 24" T.C.P. Under Barn — Fence — 10' Gravel Road — Swale — Open Posture — Wooded Area

RECEIVED R/W OCT 18 1961 State Highway Dept. Dist. No. 4

Sheet Completed
Date: 6/20/61
Revised
Date: 10-16-61
Added Parcel 193X
Date: 10-23-61
General
REVISE NAME PCL-193-LA 2-24-62

STA. 294+00 TO STA. 322+00 — RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

313

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

17
19
R/W

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC.9
T-12 R-9

ROBERT D. FARRISS, WILLIAM D. FARRISS, BETTY L. GROSS, MARY IMOGENE BETTLER & HELEN R. HALSEY

193 LA Cont. 17.52 Ac.

Open Cultivated

Open Pasture

12" C.M.P.

10' Gravel Road

Fence

Swale

Spring

Fence, Type "D"

18" Ash

12" Elm

30" Elm

Marsh

Limit of Construction

Conc. Slab

24" T.C.P. Under Born

Frame Barn

BEGIN SHEET STA. 322+00

323 324 325 326 327 328 329 330 331

N 42°03'30"W

331+24.5 ℄

45°45'

STA. 332+00 MATCH LINE

12" Cherry
3-12" Willows

20" Elm

12" Oak

Tree Line

Wooded Area
CHARLES S. CROMIS &
AUGUSTA L. CROMIS

194 LA Cont. 2.98 Ac.

24" Ash

24" Hickory
329+78
150.00'

14" Ash

Clearing & Grubbing
332+00
150.00'

N.W. 1/4 Sec. 9
S.W. 1/4 Sec. 4
6 Row Brush - 1 To 6' Trees

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC.4
T-12 R-9

ROBERT D. FARRISS, WILLIAM D. FARRISS, BETTY L. GROSS, MARY IMOGENE BETTLER & HELEN R. HALSEY

JAMES EDWARD YOUNG & STELLA RUBY YOUNG
196A T.B.A. 0.02 AC. P.R.O. 0.03 AC. CONT. 0.05 AC.

JAMES C. YOUNG & GERTHIA A. YOUNG
196 LA T.B.A. 0.43 Ac. P.R.O. 0.18 Ac. Cont. 0.61 Ac.
196 T.B.A. 0.04 Ac. P.R.O. 0.09 Ac. Cont. 0.13 Ac.

DONALD J. REED & ALTA O. REED
198 LA Cont. 0.95 Ac.
198 T.B.A. 0.08 Ac. P.R.O. 0.07 Ac. Cont. 0.15 Ac.

PRINGLE A. BROSCH & VIRGINIA LEE BROSCH
199 LA Cont. 1.12 Ac.
199A T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.
199 Cont. 0.07 Ac.

DEWITT C. MORRIS & ORA M. MORRIS
200 LA Cont. 1.15 Ac.
200 T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.

ARTHUR B. COSTON & PATRICIA J. COSTON
201 P.R.O. 0.03 Ac.

PHYLLIS D. BLONDHEIM
202 LA Cont. 0.84 Ac.

WALTER C. FERRELL & RUTH FERRELL
203 LA Cont. 0.34 Ac.

EDMOND H. CROMER & HILDA J. CROMER
204 LA Cont. 0.44 Ac.

SUMMIT COUNTY
GREEN TOWNSHIP
N.W. 1/4 SEC.9
T-12 R-9

332+70
150.00'

194 LA Cont. 2.98 Ac.
CHARLES S. CROMIS & AUGUSTA L. CROMIS

336+98.5
150.00'

195 LA Cont. 3.62 Ac.
GARRETT E. BLAKE

Cultivated Field

340+00
150.00'

342+16.5
175.00'

343+73
193.00'

345+29.5
211.00'

346+53
202.00'

JAMES EDWARD DONOVAN

DONALD J. REED & ALTA O. REED

VIRGINIA LEE BROSCH

DEWITT C. MORRIS & ORA M. MORRIS

Fence, Type "D"

Limit of Construction

Tree Line

Wooded Area

Meadow

Swamp

Drains & Springs

Triple 6" Crabapple

Spring

Fence

Rye

10" Apple

8" Pear

8" Apple

6" Plum

6" Apple

6" Pear

12" Apple

Orchard

340+00
148.00'
I.A.P.A.

345+29.5
209.00'
I.A.P.A.

340+54.5
08.00'

340+26.5
20.50'

341+26.5
61.50'

N 42°03'30"W

CHENOWETH

Cont. 0.67 Ac.

12" Wild Cherry

30" Elm

Marsh

333 334 335 336 337 338 339 340 341 342 343 344 345 346

STA. 332+00 MATCH LINE

END SHEET STA. 347+00

JAMES C. YOUNG & GERTHIA A. YOUNG

341+98.5
131.00'

342+25
136.00'
I.A.P.A.

342+25
140.00'

343+09
155.00'

344+35
179.50'

345+55.5
193.00'
I.A.P.A.

345+55.5
195.00'

346+99
193.50'

PHYLLIS D. BLONDHEIM

WALTER C. FERRELL & RUTH FERRELL

EDMOND H. CROMER & HILDA J. CROMER

3" Apple

346+94
50.50'

P.C. Sta. 345+29.85

Limit of Construction

Kitchen Garden

30" Cherries

Flower Garden

18" Plum

Shrubs

Spring

Fence, Type "D"

341+55.5
145.50'

341+77
166.00'

342+08.5
14.00'

342+70
200.50'

344+30.5
175.00'

343+13
243.00'

344+86
240.00'

345+39.5
192.00'

RAY A. BOYLES & MINERVA A. BOYLES

Kitchen Garden

Guy Pole
C.B.T.Co. #530

Dwg

Conc.

12" Spruce

Orchard

Meadow

6" Gravel Dr.

ARTHUR B. COSTON & PATRICIA J. COSTON

338+80.5
169.50'
I.A.P.A.

338+80.5
171.50'

341+93.5
234.00'

342+62
248.50'

342+85.5
271.50'

30" Elm

4" Plum

4" Peach

20" Apple

8" Plum

6" Maple

Shrub

Fence

Spring

RW

WA

ROAD 40'

CHENOWETH

Fence

STA. 322+00 TO STA. 347+00 - RIGHT OF WAY PLAN

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 4

P.I. Sta. 360 + 76.55
Δ = 43°12'00" Rt.
D = 1°28'00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

Sheet Completed
Date: 6/20/61
Revised
Date: 7/14/61
Added Ac. & Plusses & Offsets
Date: 10-23-61
General
REVISED P.R.O. PCL-196
ADDED PCL-196A 1-25-82
REVISED NAME PCL-193-LA 2-24-82

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

SUMMIT COUNTY
SUM-8-1.89
LIMITED ACCESS

314 | 18 | 19 | R/W

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 4
T-12 R-9

P.I. Sta. 360+76.55
Δ = 43° 12' 00" Rt.
D = 1° 28' 00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

N 1° 08' 30" E

N 42° 03' 30" W

SUMMIT COUNTY
SPRINGFIELD TWP
S.W. 1/4 SEC. 4
T-12 R-9

SUMMIT COUNTY
SPRINGFIELD TWP
S.W. 1/4 SEC. 4
T-12 R-9

SUMMIT COUNTY
GREEN TOWNSHIP
S.W. 1/4 SEC. 4
T-12 R-9

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 4

DONALD J. REED & ALTA O. REED
(198) Cont. 0.95 Ac.
(198 LA) T.B.A. 0.08 Ac. P.R.O. 0.07 Ac. Cont. 0.15 Ac.

PHYLLIS D. BLONDHEIM
(202 LA) Cont. 0.84 Ac.

WALTER C. FERRELL & RUTH FERRELL
(203 LA) Cont. 0.34 Ac.

GLENN BENEDUM & DAISY BENEDUM
(205 LA) Cont. 0.34 Ac.
(205) T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.

GLADYS M. FERRELL & ESTATE OF WILLIAM J. FERRELL
(206 LA) Cont. 0.39 Ac.
(206) T.B.A. 0.04 Ac. P.R.O. 0.03 Ac. Cont. 0.07 Ac.

JAMES F. DOCY & ELIZABETH P. DOCY
(210) T.B.A. 0.06 Ac. P.R.O. 0.04 Ac. Cont. 0.10 Ac.

VIRGINIA LEE BROSCH
(199 LA) Cont. 1.12 Ac.
(199 A) T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.
(199) Cont. 0.07 Ac.

DEWITT C. MORRIS & OVA M. MORRIS
(200 LA) Cont. 1.15 Ac.
(200) T.B.A. 0.10 Ac. P.R.O. 0.07 Ac. Cont. 0.17 Ac.

GLENN BENEDUM & DAISY BENEDUM
(205 LA) Cont. 0.44 Ac.

EDMOND H. CORNER & WILDA J. CORNER
(206 LA) T.B.A. 0.46 Ac. P.R.O. 0.05 Ac. Cont. 0.51 Ac.

ALBERT P. OBORNE & RUTH L. OBORNE
(209 LA) T.D.A. 2.04 Ac. P.R.O. 0.36 Ac. Cont. 2.40 Ac.

GLADYS M. FERRELL & ESTATE OF WILLIAM J. FERRELL
(206 WA) T.B.A. 0.46 Ac. P.R.O. 0.05 Ac. Cont. 0.51 Ac.

DOSHIE SHEAVES
(211 LA) T.B.A. 2.74 Ac. P.R.O. 0.43 Ac. Cont. 3.17 Ac.
(211) T.B.A. 0.15 Ac. P.R.O. 0.06 Ac. Cont. 0.21 Ac.

DANIEL MORRIS & MILDRED E. MORRIS
(212 LA) T.B.A. 1.40 Ac. P.R.O. 0.07 Ac. Cont. 1.47 Ac.

GEORGE STEINER & SUSANNA STEINER
(213 LA) T.B.A. 1.42 Ac. P.R.O. 0.07 Ac. Cont. 1.49 Ac.

RUDOLPH H. HOLZSCHUH & IRENE HOLZSCHUH
(214 LA) T.B.A. 1.45 Ac. P.R.O. 0.07 Ac. Cont. 1.52 Ac.

VIOLET R. FOUTTY
(215 LA) T.B.A. 1.41 Ac. P.R.O. 0.07 Ac. Cont. 1.48 Ac.

LOYAL R. BUSSEY & ANNA M. BUSSEY
(216 LA) T.B.A. 1.30 Ac. P.R.O. 0.07 Ac. Cont. 1.37 Ac.

ROBERT A. BUSSEY & CAROLE SUE BUSSEY
(217 LA) T.B.A. 1.52 Ac. P.R.O. 0.11 Ac. Cont. 1.63 Ac.

LOYAL R. BUSSEY & DUSSEY & ANNA M. BUSSEY
(218 LA) T.B.A. 0.26 Ac. P.R.O. 0.03 Ac. Cont. 0.29 Ac.

HARRY FISCHMANN & ARDITH M. FISCHMANN
(219 LA) T.B.A. 0.10 Ac. P.R.O. 0.02 Ac. Cont. 0.12 Ac.
(219) T.B.A. 0.08 Ac. P.R.O. 0.06 Ac. Cont. 0.14 Ac.

MINERVA A. BOYLES
(207 LA) T.B.A. 0.54 Ac. P.R.O. 0.02 Ac. Cont. 0.56 Ac.
(207) P.R.O. 0.06 Ac.

RAY A. BOYLES

Sheet Completed
Date: 7-14-61

Revised
Date: 8-9-61
Added Parcels 200 WA, 205 WA, 206 WA, and 210 WA.
Changed Parcels 125 thru 133 to 211 thru 219.
Added Sta. 361+18; distance 207.50'.
Added Sta. 359+70.5; distance 423.50 (I.A.P.A.)
Deleted "L" in name of Daniel Morris.

Revised
Date: 10-16-61
Revised LA from Parcels 212 LA thru 219 LA

General Revisions 10-23-61

REVISED NAME PCL. 208-LA & 206 12-28-61

STA. 347+00 TO STA. 362+00 - RIGHT OF WAY PLAN

I-77

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

315

SUMMIT COUNTY
SUM-8-1.89

19
19
R/W

LOYAL R. BUSSEY & ANNA M. BUSSEY

North Line - Sec. 4 GREEN TWP. & SPRINGFIELD TWP. South Line-Track #1

HARRY FISCHMANN & ARDITH M. FISCHMANN

(219 LA) T.B.A. 0.08 Ac. P.R.O. 0.02 Ac. Cont. 0.10 Ac.

(219) T.B.A. 0.08 Ac. P.R.O. 0.06 Ac. Cont. 0.14 Ac.

MARY H. TREXLER

(221) Cont. 0.19 Ac.

JAMES P. WILSON & HELEN WILSON

(220) T.B.A. 0.14 Ac. P.R.O. 0.12 Ac. Cont. 0.26 Ac.

(220A) Cont. 0.19 Ac.

P.I. Sta. 12+39.57
Δ = 91°48'45"
R = 100.00'
T = 103.21'
L = 160.24

EARL SHERMAN

(222) T.B.A. 1.22 Ac. P.R.O. 0.07 Ac. Cont. 1.29 Ac.

RICHARD P. MAXWELL & SUSAN C. MAXWELL

(223) T.B.A. 0.11 Ac. P.R.O. 0.07 Ac. Cont. 0.18 Ac.

ERWIN HUBER & LOIS F. HUBER

(224) T.B.A. 0.37 Ac. P.R.O. 0.19 Ac. Cont. 0.56 Ac.

ALBERT R. RUTTIG & FLORENCE RUTTIG

(225) T.B.A. 0.06 Ac. P.R.O. 0.08 Ac. Cont. 0.14 Ac.

ARON MORGOVAN & MILDRED MORGOVAN

(226) T.B.A. 0.16 Ac. P.R.O. 0.18 Ac. Cont. 0.34 Ac.

ARON MORGOVAN & MILDRED MORGOVAN

(227) T.B.A. 0.06 Ac. P.R.O. 0.09 Ac. Cont. 0.15 Ac.

ARON MORGOVAN & MILDRED MORGOVAN

(228) T.B.A. 0.01 Ac. P.R.O. 0.04 Ac. Cont. 0.05 Ac.

MARGARET ANNAMAE RABER

SPRINGFIELD TWP. & COVENTRY TWP.

ARLINGTON ST.

CHENOWETH ROAD ACCESS

STA. 362+00

I.R. 77
P.I. Sta. 360+76.55
Δ = 43°12'00" Rt.
D = 1°28'00"
R = 3906.53'
T = 1546.71'
L = 2945.45'
E = 295.05'

Match Line - Insert

Sta. 13+39.57

RECEIVED R/W
OCT 18 1961
State Highway Dept.
Div. No. 6

Sheet Completed Date: 7-14-61

Revised Date: 8-9-61
Change Parcels 134 thru 140 to 220 thru 226.
Revised Offset Sta. and distance at 366+17.
Added Acreages

REVISED PCL-221-NAME 11-10-61

REVISED R/W LINE PCL-225 ALSO AREA 3-6-62

CHENOWETH ROAD ACCESS-RIGHT OF WAY PLAN

TE.54.A
200.4.60

GENERAL INFORMATION

INTRODUCTION

The project consists of the major relocation of 1.7 miles of SR 8 as well as improvements of intersecting roads (Wise Road, Graybill Road, Massillon Road - SR 241 - and associated ramps, and Turkey Foot Lake Road - SR 619), beginning 1700 feet northwest Creenburg Road, approximately ½ miles northwest of North Canton, and extending northwestward, terminating north of East Liberty, between Essig Road and Arlington Road.

The proposed grades indicate the following:

SR 8 - cut, as much as 30 feet in depth; maximum fill embankment 25 feet in height.

Wise Road - fill embankment, ranging from 0 to 10 feet in height.

Graybill Road - fill embankment, maximum height of 13 feet.

Massillon Road (SR 241) - cut, ranging from 0 to 6 feet in height.

Ramp "J" - cut, less than 2 feet in depth; maximum fill 13 feet in height.

Ramp "K" - slight cut, from 0 to 2 feet in depth; fill, maximum 10 feet in height.

Ramp "L" - cut, up to 5 feet deep; fill, 11 feet in height, maximum.

Ramp "M" - maximum cut of 7 feet in depth; maximum fill embankment of 10 feet.

Turkey Foot Lake Road (SR 619) - slight cut, less than 1 foot in depth; fill embankment, maximum 17 feet in height.

GEOLOGY OF THE PROJECT

The alignment traverses a glaciated, slightly dissected portion of Allegheny Plateau, where glacial drift reportedly ranges from 50 feet to in excess of 100 feet in thickness. Local bedrock consists of shales and sandstones, of Pennsylvanian age.

EXPLORATION

Exploratory borings were made by means of truck mounted mechanical earth auger, hand auger and peat sampler (in areas of difficult access) between August 11 and September 12, 1960.

INVESTIGATIONAL DISCLOSURES

Borings disclose the following:

SR 8 - Materials immediately below grade consist predominantly of silts, in the A-4 classification, with minor amounts of gravels and sands, in the A-3 and A-3a classifications. It is noted that wet subgrade materials, silts and somewhat organic clays, from 2' to 6' in thickness, were encountered from approximately 50 ' to at least 150' left of centerline between stations 101+00 and 106+00. Wet soils, primarily silts, in the A-4 classification, were found at grade to as much as 16 feet below proposed grade at stations 167+50, 75'Lt., 259+50, 273+50, 285+50, and 293+50. Frost susceptible silts were encountered within 3 feet below grade at the following stations: 106+00, 118+00 to 130+00, 136+00, 150+00, 161+00, 170+00, 182+00, 206+55, 216+50 to 225+50, 259+50 to 277+50, 285+50, 288+50, 295+50, and 303+50.

In the embankment foundation areas, materials consist predominantly of silts and silty clays, in the A-4 and A-6 classifications, as well as gravels, sands, elastic silts and elastic clays and peats. Wet soils (sands, gravels, silts, and clays - occasionally organic) as well as some peats were encountered throughout the project at depths ranging from 0 to as much as 17 feet below ground surface. Information regarding two areas of critical foundation conditions follows:

Stations 251+00 to 255+50 - Within this area, slightly to highly compressible soils were encountered. Much of the sands, silts, and silty clays are wet and contaminated with organic materials. Organic elastic clays and peats (fine-textured and sedimentary) found at-surface and ranging from 5 to 15 feet in thickness occur chiefly between stations 252+50, 60'Rt to 255+00, at least 100'Lt.

Stations 305+50 to 307+50 - Wet, somewhat compressible silts and silt clays, occasionally contaminated with organic material are the predominant materials within this area. Organic elastic clays, 3 feet in thickness and ranging from 4 to 10 feet below ground surface were encountered between stations 305+50, 80'Rt and 307+50, 00'Rt.

Wise Road - Materials in the embankment foundation area consist predominantly of sandy silt, in the A-2a classification.

Graybill Road - Embankment foundation materials consist of silts, in the A-4 classification, which are wet at-surface at stations 5+00 and 15+00.

Massillon Road (SR 241) - Immediately below grade, materials consist of gravels, sands, and sandy silt, in the A-2-4, A-3a and A-2a classifications.

Ramp "J" - Materials immediately below grade and in the embankment foundation areas consist of sandy silts, in the A-2a classification. At station 9+50, 1 foot of wet, at-surface silt, is underlain by 1' feet of organic clay.

Ramp "K" - Soils directly beneath grade and in the embankment foundation areas consist of sand and sandy silt, in the A-3a and A-2a classifications.

Ramp "L" - Immediately below grade and in the embankment foundation areas materials consist of sandy silt, in the A-2a classification, generally wet and underlain by wet sands.

Ramp "M" - Materials immediately below grade and in the embankment foundation consist of sandy silt, in the A-2a classification.

Turkey Foot Lake Road (SR 619) - Materials encountered in the embankment foundation area consist of gravels, in the A-1-b and A-2-4 classifications, and sandy silt, in the A-2a classification..

LEGEND FOR PROJECT-AVERAGE RESULTS OF TESTS- 724 SAMPLES TESTED

DESCRIPTION	H. R. B. CLASS	OHIO CLASS	% AGG.	% C. SAND	% F. SAND	% SILT	% CLAY	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
Gravel and/or stone fragments	A-1-a (0)	A-1-a	62	10	12	- 6 -		NP	NP	8	6
Gravel and/or stone fragments with sand	A-1-b (0)	A-1-b	40	21	26	8	5	NP	NP	10	51
FS Fine sand	A-3 (0)	A-3	5	30	62	- 8 -		NP	NP	16	25
Coarse and fine sand	——	A-3a	9	15	55	13	6	NP	NP	17	76
Gravel and/or stone fragments with sand and silt	A-2-4 (0)	A-2-4	38	9	21	19	10	NP	NP	11	66
Gravel or stone fragments with sand, silt, and clay	A-2-6 (0)	A-2-6	59	7	15	12	7	23	12	16	3
Sandy silt	A-4 (2)	A-2a	16	7	25	31	16	NP	NP	15	206
Silt	A-4 (8)	A-4b	0	3	13	61	22	NP	NP	20	122
Silt and clay	A-6 (9)	A-6a	3	5	17	44	31	30	12	25	18
Silty clay	A-6 (10)	A-6b	13	3	16	40	28	37	16	23	7
Plastic clay without organic material unless otherwise noted	A-7-5(20)	A-7-5	0	1	19	45	35	110	62	89	17
Clay	A-7-6(16)	A-7-6	0	3	12	48	35	51	29	30	7
Various other materials			VISUAL CLASSIFICATION								16
Peat			VISUAL CLASSIFICATION								1
FT Fine-Textured peat			VISUAL CLASSIFICATION								11
MS Marly Sedimentary peat			VISUAL CLASSIFICATION								1
S Sedimentary peat			VISUAL CLASSIFICATION								9

Sod and/or Topsoil=Y'=Approximate depth.

Peat material.

Auger boring - plan view.

Auger boring plotted to vertical scale only.

Water content nearly equal to or greater than liquid limit.

Indicates a non-plastic material with high water content.

W Free water.

NOTE: Small vertical figures beside borings indicate loss on ignition, e.g. 15%.

NOTE: Figures beside borings indicate water content in percent, e.g. 15.

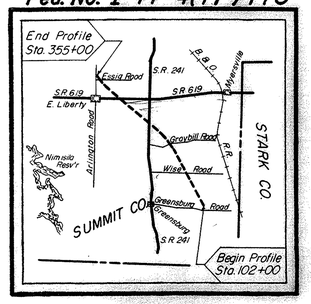
SOIL PROFILE
SUMMIT COUNTY
SUM-8-1.89

1/20

OHIO STATE HIGHWAY TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

NOTE: INFORMATION SHOWN BY THIS SUBGRADE PROFILE WAS OBTAINED SOLELY FOR USE IN ESTABLISHING DESIGN CONTROLS FOR THE PROJECT. THE STATE OF OHIO DOES NOT GUARANTEE THE ACCURACY OF THIS DATA AND IT IS NOT TO BE CONSTRUED AS A PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT.

Fed. No. I-77-4(17)113



LOCATION MAP

Recon - J.S.M., P.L.H., - 3/11/60

Drilling - R.D.R., J.R.F., A.J.R., J.A.G., - 8/11/60 to 9/13/60

Drafting - D.M., L.N.L., D.J.T., - 2/2/61

PROJECT INDEX

Main Line	PROFILE SHEET	PLAN VIEW SHEET
Sta. 77+00 to 109+00	5	5
Sta. 109+00 to 141+00	6	6
Sta. 141+00 to 173+00	7	7
Sta. 173+00 to 205+00	8	8
Sta. 205+00 to 237+00	9	9
Sta. 237+00 to 269+00	10	10
Sta. 269+00 to 301+00	11	11
Sta. 301+00 to 333+00	12	12
Sta. 333+00 to 365+00	13	13
Wise Road		
Sta. 0+00 to 18+00	14	7
Graybill Road		
Sta. 0+00 to 18+00	14	8
Turkey Foot Lake Road		
Sta. 1+00 to 25+00	14	11
Massillon Road		
Sta. 6+00 to 32+00	15	10
Ramp "J"		
Sta. 0+00 to 10+00	15	9&10
Ramp "K"		
Sta. 0+00 to 14+00	15	10
Ramp "L"		
Sta. 0+00 to 10+00	15	10
Ramp "M"		
Sta. 0+00 to 14+00	15	9&10

SOIL PROFILE
SUMMIT COUNTY
SUM-8-1.89
OHIO STATE HIGHWAY
TESTING LABORATORY
O S U CAMPUS COLUMBUS OHIO

2/20

SUMMARY OF SOIL TEST DATA

NOTE: NP shown in Liquid Limit and Plasticity Index columns indicates that the material is non-plastic.
*Denotes samples taken at or near grade.

PROPOSED S.T. &

STATION & OFFSET		DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
102+68	CL	0.4-2.0	0	8	23	53	16	24	6	13	A-4b
		2.0-4.0	34	5	18	25	18	22	6	13	A-4a
		4.0-11.0	26	8	22	25	19	-	-	14	A-4a*
104+73	100'Lt	0.4-3.0	0	2	7	55	36	33	1	35	A-4b
		3.0-8.0	26	6	16	30	22	19	4	15	A-4a
		8.0-12.0	37	6	18	20	19	19	4	14	A-4a
105+18	150'Lt	0.4-3.0	0	2	9	50	39	23	6	26	A-4b
		3.0-4.0	0	2	7	61	30	27	7	25	A-4b
		4.0-7.0	32	10	30	16	12	NP	NP	17	A-2-4
		7.0-11.0	0	7	20	41	32	NP	NP	16	A-4a
		11.0-15.0	44	6	16	21	15	NP	NP	14	A-4a
105+43	71'Lt	2.0-3.0	0	1	2	51	46	44	11	41	A-7-5
		3.0-6.0	0	0	4	35	61	52	21	56	A-7-5
		6.0-8.0	0	2	6	65	27	NP	NP	24	A-4b
		8.0-13.0	43	5	15	25	12	NP	NP	17	A-4a
		13.0-16.0	0	10	30	34	26	NP	NP	12	A-4a
106+68	CL	0.4-2.0	33	5	17	24	21	23	5	13	A-4a
		2.0-5.0	0	6	23	45	26	21	6	16	A-4a*
		5.0-8.0	0	4	22	56	18	NP	NP	18	A-4b*
		8.0-12.0	0	7	28	43	22	NP	NP	13	A-4a
		12.0-14.0	36	11	14	11	8	NP	NP	14	A-1-b
110+68	CL	0.4-3.0	0	6	22	37	35	24	6	13	A-4a
		3.0-8.0	27	6	21	27	19	22	7	15	A-4a*
		8.0-10.0	0	7	18	45	26	NP	NP	14	A-4a
		10.0-12.0	32	6	15	31	16	NP	NP	14	A-4a
114+68	CL	0.4-3.0	0	4	7	50	39	34	8	26	A-4b
		3.0-4.0	0	13	33	28	26	25	7	15	A-4a
		4.0-6.0	0	16	60	10	14	NP	NP	15	A-3a
		6.0-9.0	0	1	9	63	27	NP	NP	21	A-4b
		9.0-12.0	0	0	2	62	36	NP	NP	24	A-4b
118+68	CL	0.4-3.0	0	4	20	41	35	26	6	18	A-4a*
		3.0-4.0	35	3	9	25	28	-	-	17	A-4a*
122+68	CL	0.4-5.0	0	7	20	42	31	28	6	11	A-4a*
		5.0-8.0	0	9	21	50	20	23	5	13	A-4b
		8.0-12.0	34	17	22	19	8	NP	NP	13	A-2-4
127+22	CL	0.4-3.0	0	6	23	46	23	24	7	16	A-4a*
		3.0-8.0	15	7	18	40	20	34	6	17	A-4a
		8.0-12.0	19	9	19	36	17	NP	NP	14	A-4a
130+68	CL	0.4-2.0	14	7	16	37	24	28	8	16	A-4a*
		2.0-7.0	11	10	24	34	21	NP	NP	13	A-4a*
		7.0-10.0	19	8	20	34	19	23	8	14	A-4a
134+68	CL	0.4-2.0	0	3	7	47	43	47	27	24	A-7-6
		2.0-7.0	0	11	26	37	26	24	4	14	A-4a
		7.0-12.0	0	11	20	34	25	20	3	14	A-4a
		12.0-15.0	0	5	19	50	26	NP	NP	12	A-4b
138+68	CL	0.4-3.0	0	6	14	30	20	NP	NP	14	A-4a
		3.0-5.0	0	4	16	45	32	24	6	14	A-4a
		5.0-6.0	14	7	27	33	19	NP	NP	13	A-4a
		6.0-10.0	22	6	24	27	21	NP	NP	17	A-4a
		10.0-12.0	15	13	40	13	19	NP	NP	11	A-3a
142+68	CL	0.4-3.0	0	9	22	40	29	29	10	16	A-4a
		3.0-8.0	17	10	21	36	17	NP	NP	16	A-4a
		8.0-10.0	0	8	20	55	17	NP	NP	14	A-4b
146+68	CL	0.4-4.0	15	9	24	25	27	27	9	11	A-4a
		4.0-9.0	21	8	21	30	20	22	3	15	A-4a*
		9.0-12.0	0	7	23	45	25	NP	NP	15	A-4a*
		12.0-14.0	23	21	16	24	14	NP	NP	17	A-4a
		14.0-16.0	16	40	31	-11-		NP	NP	14	A-1-b
		16.0-18.0	38	9	21	21	11	NP	NP	11	A-2-4
		18.0-20.0	25	12	23	22	13	NP	NP	13	A-2-4
150+18	CL	0.5-4.0	28	21	25	14	12	NP	NP	12	A-2-4
150+18	31'Rt	0.5-5.0	18	11	29	28	14	NP	NP	13	A-4a
		5.0-8.0	34	6	16	25	17	NP	NP	13	A-4a
		8.0-12.0	22	7	17	33	16	NP	NP	11	A-4a
154+68	CL	0.4-3.0	31	11	25	22	11	NP	NP	12	A-2-4
		3.0-8.0	27	8	26	22	17	20	5	14	A-4a
		8.0-11.0	26	13	33	10	18	NP	NP	11	A-2-4
		11.0-14.0	0	7	22	51	20	NP	NP	16	A-4b
		14.0-17.0	18	9	25	30	18	NP	NP	17	A-4a
		17.0-20.0	24	23	29	3	21	NP	NP	14	A-3a
158+68	CL	0.4-4.0	23	6	18	36	17	NP	NP	20	A-4a*
		4.0-8.0	28	3	11	35	23	28	7	16	A-4a*
		8.0-10.0	21	4	10	40	25	NP	NP	14	A-4a
		10.0-13.0	0	1	1	71	27	NP	NP	19	A-4b
161+68	75'Lt	0.4-2.0	19	5	18	16	9	NP	NP	34	A-2-4
		2.0-4.0	23	6	30	26	15	NP	NP	19	A-4a
		4.0-7.0	25	6	16	25	13	NP	NP	11	A-4a

STATION & OFFSET		DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
161+68	CL	0.4-3.0	0	9	27	39	25	NP	NP	16	A-4a
		3.0-6.0	29	8	24	23	16	NP	NP	12	A-4a
161+68	75'Rt	0.4-2.0	0	3	24	47	26	NP	NP	22	A-4a
		2.0-3.0	26	15	36	2	21	NP	NP	19	A-3a
		3.0-4.0	55	5	13	16	9	NP	NP	19	A-2-4
		4.0-9.0	37	6	15	29	13	NP	NP	11	A-4a
		9.0-11.0	43	6	18	21	12	NP	NP	11	A-2-4
164+68	CL	0.4-3.0	0	11	34	30	25	NP	NP	12	A-4a*
		3.0-8.0	34	5	18	27	16	NP	NP	15	A-4a
		8.0-10.0	0	3	75	9	13	NP	NP	19	A-3a
		10.0-13.0	0	7	71	12	7	NP	NP	21	A-3a
		13.0-14.0	43	17	33	- 7 -		NP	NP	15	A-1-b
		14.0-17.0	35	6	19	28	12	NP	NP	13	A-4a
		17.0-20.0	41	6	16	25	12	NP	NP	13	A-4a
167+43	75'Lt	0.4-2.0	28	7	16	28	21	25	11	23	A-6a
		2.0-6.0	20	6	15	21	18	24	9	15	A-4a
		6.0-8.0	46	7	17	19	11	NP	NP	17	A-2-4
		8.0-11.0	31	5	15	30	19	19	5	12	A-4a
		11.0-15.0	0	1	5	55	39	24	5	23	A-4b
167+43	CL	0.4-4.0	0	1	11	54	34	30	8	23	A-4b
		4.0-9.0	23	6	21	32	18	24	7	21	A-4a
		9.0-12.0	32	6	18	31	13	NP	NP	14	A-4a
		12.0-15.0	25	4	18	35	18	NP	NP	11	A-4a
167+43	75'Rt	0.4-4.0	0	6	17	60	17	NP	NP	15	A-4b
		4.0-9.0	38	5	22	25	10	NP	NP	23	A-2-4
		9.0-12.0	39	5	16	27	13	NP	NP	11	A-4a
		12.0-15.0	38	4	12	32	14	NP	NP	13	A-4a
169+68	CL	0.4-3.0	10	6	19	19	16	23	9	18	A-2-4
		3.0-5.0	18	12	45	17	11	NP	NP	18	A-3a
		5.0-7.0	32	6	18	31	13	NP	NP	13	A-4a
		7.0-10.0	0	7	25	45	20	NP	NP	15	A-4a
172+18	CL	0.4-4.0	0	5	16	50	29	24	6	16	A-4b
		4.0-8.0	29	9	23	22	17	NP	NP	13	A-4a
175+43	75'Lt	0.4-2.0	0	1	29	36	34	71	43	58	A-7-5
		2.0-3.0	78	3	8	6	5	24	4	32	A-1-a
		3.0-8.0	44	6	16	22	15	22	4	23	A-4a
		8.0-11.0	50	15	24	- 11 -		NP	NP	10	A-1-b
		11.0-14.0	45	21	27	- 7 -		NP	NP	12	A-1-b
		14.0-16.0	57	7	15	12	9	NP	NP	9	A-1-b
175+43	CL	0.4-2.0	0	6	27	35	32	31	8	28	A-4a
		2.0-4.0	34	5	15	26	20	25	6	25	A-4a
		4.0-10.0	18	6	15	37	24	NP	NP	13	A-4a
		10.0-15.0	44	21	27	- 11 -		NP	NP	13	A-1-b
		15.0-20.0	44	26	26	- 7 -		NP	NP	11	A-1-b
175+43	75'Rt	0.4-2.0	0	7	27	34	32	32	11	23	A-6a
		2.0-6.0	51	8	18	13	10	NP	NP	19	A-1-b
		6.0-11.0	0	7	25	43	25	NP	NP	13	A-4a
		11.0-15.0	45	7	21	18	9	19	1	21	A-2-4
178+68	CL	0.4-4.0	0	4	5	58	33	NP	NP	20	A-4b
		4.0-7.0	0	8	29	44	22	19	5	12	A-4a*
181+68	CL	0.4-4.0	0	1	3	58	38	35	14	26	A-6a
		4.0-5.0	0	1	6	63	30	31	12	27	A-6a
		5.0-10.0	33	9	21	24	13	NP	NP	14	A-4a
		10.0-12.0	40	7	28	13	12	NP	NP	15	A-4a
		12.0-13.0	54	7	15	17	7	NP	NP	15	A-1-b
		13.0-15.0	0	5	15	51	29	NP	NP	15	A-4b
		15.0-20.0	48	7	14	22	9	NP	NP	14	A-2-4
184+68	75'Lt	0.4-3.0	0	1	4	59	36	28	6	18	A-4b
		3.0-5.0	38	15	30	7	9	NP	NP	11	A-1-b
		5.0-8.0	0	10	30	40	20	NP	NP	11	A-4a
		8.0-12.0	34	4	17	28	17	NP	NP	17	A-4a
		12.0-14.0	25	8	18	31	18	NP	NP	12	A-4a
		14.0-15.0	33	11	26	20	10	NP	NP	16	A-2-4
		15.0-20.0	44	17	27	- 12 -		NP	NP	13	A-1-b
184+68	CL	0.4-3.0	37	7	18	19	19	36	16	44	A-6b
		3.0-5.0	35	6	16	28	15	NP	NP	13	A-4a
		5.0-10.0	24	6	18	33	19	NP	NP	13	A-4a
		10.0-15.0	60	3	9	22	7	NP	NP	12	A-2-4
		15.0-20.0	27	9	26	20	10	NP	NP	11	A-4a
191+68	50'Rt	0.4-4.0	33	8	20	21	13	NP	NP	16	A-2-4
		4.0-6.0	0	5	23	50	22	NP	NP	12	A-4b
		6.0-9.0	25	11	24	30	10	NP	NP	11	A-4a
		9.0-13.0	24	16	31	- 16 -		NP	NP	13	A-1-b
		13.0-16.0	14	14	31	- 19 -		NP	NP	13	A-3a
		16.0-20.0	6	10	63	- 21 -		NP	NP	13	A-3a
193+68	CL	0.0-3.0	0	2	11	66	21	NP	NP	15	A-4b*
		3.0-4.0	47	4	17	25	7	NP	NP	11	A-2-4
192+68	CL	1.0-6.0	15	6	15	45	19	22	5	22	A-4a
		6.0-12.0	46	5	15	28	12	16	3	15	A-4a
		12.0-15.0	42	7	16	23	9	NP	NP	12	A-2-4
		15.0-20.0	50	6	16	21	7	NP	NP	13	A-2-4*
		20.0-22.5	25	11	27	28	9	NP	NP	12	A-4a

STATION & OFFSET		DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
196+60	CL	0.7-3.0	18	10	24	31	17	23	5	13	A-4a
		3.0-8.0	0	7	20	51	22	25	6	14	A-4b
		8.0-11.0	19	8	23	37	13	21	6	13	A-4a
		11.0-12.5	17	6	15	43	19	20	5	12	A-4a
		12.5-15.0	22	13	26	28	10	NP	NP	11	A-4a
		15.0-19.0	28	10	22	28	9	NP	NP	12	A-4a
		19.0-23.0	22	9	22	33	14	NP	NP	10	A-4a
200+15	CL	0.4-3.0	0	3	10	59	28	28	9	21	A-4b
		3.0-8.0	39	8	23	16	14	18	4	16	A-2-4
		8.0-11.0	0	2	32	41	5	NP	NP	16	A-4a*
		11.0-16.0	50	5	14	19	10	NP	NP	12	A-2-4*
		16.0-20.0	48	6	16	20	10	NP	NP	10	A-2-4
203+12	CL	0.4-3.0	0	3	14	54	29	30	11	21	A-6a
		3.0-8.0	21	9	30	21	7	NP	NP	18	A-2-4
		8.0-12.0	35	7	20	26	12	21	5	13	A-4a
		12.0-15.0	45	7	20	19	14	19	6	12	A-2-4
206+60	CL	0.4-3.0	0	4	14	47	35	37	20	23	A-6*
		3.0-6.0	45	6	18	21	7	NP	NP	20	A-2-4*
		6.0-10.0	34	8	37	22	9	NP	NP	12	A-2-4
209+55	CL	0.4-3.0	0	7	33	38	21	21	8	14	A-4a*
		3.0-5.0	27	8	26	28	11	NP	NP	13	A-4a
		5.0-8.0	37	9	23	24	7	NP	NP	14	A-2-4
		8.0-10.0	17	9	23	34	17	18	4	10	A-4a
211+55	100'Lt	0.4-2.0	0	8	36	36	16	NP	NP	16	A-4a
		2.0-3.0	31	7	26	20	13	27	11	23	A-2-6
		3.0-8.0	15	12	40	22	11	21	5	16	A-3a
		8.0-11.0	0	7	25	47	21	21	5	15	A-4a
		11.0-16.0	30	10	26	23	13	19	4	14	A-4a
		16.0-20.0	20	7	26	28	16	21	5	11	A-4a
211+55	CL	0.4-3.0	0	10	23	34	33	37	8	31	A-4a
		3.0-7.0	29	9	24	22	16	24	7	21	A-4a
		7.0-12.0	23	7	12	37	22	23	6	13	A-4a
		12.0-16.0	28	8	23	27	14	20	4	12	A-4a
		16.0-20.0	23	8	24	27	17	19	6	11	A-4a
211+55	100'Rt	0.4-3.0	0	10	33	31	27	25	9	23	A-4a
		3.0-5.0	36	10	23	21	11	24	9	25	A-2-4
		5.0-6.0	35	8	18	25	14	18	2	15	A-4a
		6.0-9.0	34	9	16	25	16	19	2	19	A-1-b
		9.0-11.0	34	11	23	22	10	16	4	11	A-2-4
		11.0-15.0	34	11	23	22	10	16	4	11	A-2-4
		15.0-20.0	38	4	11	34	13	NP	NP	12	A-4a
213+55	CL	0.4-3.0	0	2	6	50	34	45	29	26	A-7-6
		3.0-7.0	41	11	22	14	12	23	4	22	A-2-4
		7.0-9.0	45	10	23	14	6	NP	NP	14	A-1-b
		9.0-14.0	28	10	20	26	16	19	4	10	A-4a
		14.0-17.0	14	11	24	27	24	21	7	11	A-4a
		17.0-20.0	12	8	23	31	26	22	5	14	A-4a
213+55	100'Rt	0.4-3.0	0	3	16	45	36	27	11	18	A-6a
		3.0-8.0	21	8	23	27	21	NP	NP	16	A-4a
		8.0-13.0	16	8	26	28	22	NP	NP	12	A-4a
		13.0-16.0	15	8	27	28	22	NP	NP	12	A-4a
		16.0-20.0	9	6	28	34	23	NP	NP	13	A-4a
216+52	CL	0.4-3.0	10	7	28	28	26	22	10	16	A-4a*
		3.0-7.0	7	6	19	45	26	NP	NP	18	A-4a
		7.0-10.0	21	11	23	29	16	NP	NP	16	A-4a
		10.0-12.0	23	12	22	28	15	NP	NP	15	A-4a
		12.0-15.0	18	7	27	32	16	NP	NP	13	A-4a
221+50	CL	0.4-3.0	8	5	25	27	35	32	7	26	A-4a*
		3.0-7.0	24	7	23	29	17	NP	NP	14	A-4a*
		7.0-10.0	11	6	21	42	20	20	3	13	A-4a
225+50	CL	0.4-3.0	8	6	28	34	24	24	8	13	A-4a*
		3.0-8.0	16	7	26	30	21	19	4	15	A-4a*
		8.0-9.0	11	6	27	32	24	20	7	15	A-4a
		9.0-10.0	36	9	19	21	15	23	6	19	A-4a
		10.0-12.0	15	10	27	30	18	18	3	14	A-4a
229+50	CL	0.4-2.0	11	5	22	30	32	24	8	20	A-4a
		2.0-7.0	9	6	18	37	30	21	4	15	A-4a
		7.0-10.0	10	7	24	37	22	20	3	14	A-4a
233+50	CL	0.4-3.0	10	6	26	28	27	25	9	18	A-4a
		3.0-8.0	12	8	28	32	22	NP	NP	12	A-4a
		8.0-13.0	0	7	24	45	24	NP	NP	11	A-4a
		13.0-17.0	0	10	24	41	25	19	4	13	A-4a
		17.0-20.0	0	8	22	39	31	18	4	11	A-4a
236+50	100'Lt	0.0-1.0	0	4	21	50	25	33	9	33	A-4b
		1.0-5.0	0	7	33	28	32	43	15	32	A-7-6
		5.0-8.0	0	3	11	56	30	25	5	18	A-4b
		8.0-12.0	0	3	10	64	23	NP	NP	16	A-4b
237+00	200'Lt	0.4-4.0	9	10	36	34	11	NP	NP	13	A-4a
		4.0-7.0	15	13	43	19	10	NP	NP	13	A-3a
		7.0-12.0	21	6	31	25	17	NP	NP	13	A-4a
		12.0-16.0	20	9	25	27	19	14	5	10	A-4a
		16.0-20.0	36	2	11	30	13	NP	NP	19	A-4a

STATION & OFFSET		DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
237+00	CL	0.4-3.0	9	8	29	32	22	21	5	15	A-4a
		3.0-8.0	13	7	26	31	23	20	6	14	A-4a
		8.0-12.0	16	8	21	35	17	19	4	14	A-4b
		12.0-16.0	12	6	23	44	15	18	4	13	A-4a
		16.0-20.0	9	7	24	45	15	NP	NP	13	A-4a
237+50	163'Rt	0.5-2.0	11	12	41	22	14	18	5	13	A-4a
		2.0-7.0	12	6	23	37	22	21	7	15	A-4a
		7.0-12.0	0	4	24	54	18	23	11	16	A-6a
		12.0-17.0	14	5	16	26	12	17	2	15	A-4a
		17.0-20.0	13	8	23	39	17	NP	NP	13	A-4a
240+50	CL	0.5-3.0	9	11	46	23	11	NP	NP	14	A-3a
		3.0-5.0	21	28	45	2	6	NP	NP	8	A-1-b
		5.0-10.0	4	13	63	11	9	NP	NP	15	A-3a
		10.0-15.0	29	7	25	25	14	18	4	11	A-4a
		15.0-20.0	36	3	14	32	15	18	3	14	A-4a
240+50	250'Rt	0.4-4.0	0	7	28	45	23	23	4	15	A-4a
		4.0-10.0	32	5	18	30	15	21	7	16	A-4a
		10.0-15.0	15	4	18	36	23	20	5	14	A-4a
		15.0-20.0	17	7	12	20	14	23	7	15	A-2-4
242+00	200'Lt	0.4-3.0	6	15	44	25	10	NP	NP	19	A-3a
		3.0-8.0	7	24	47	14	8	NP	NP	21	A-3a
		8.0-12.0	0	2	8	63	26	26	9	16	A-4b
		12.0-17.0	17	9	22	37	15	NP	NP	14	A-4a
		17.0-20.0	24	7	22	32	15	NP	NP	15	A-4a
242+00	CL	0.4-2.0	5	13	46	23	13	NP	NP	16	A-4a
		2.0-6.0	4	17	53	14	12	NP	NP	9	A-3a
		6.0-9.0	0	6	62	16	6	NP	NP	21	A-3a
		9.0-12.0	46	12	18	17	7	NP	NP	11	A-1-b
245+50	100'Lt	0.4-3.0	8	8	32	35	17	NP	NP	11	A-4a
		3.0-8.0	24	33	35	2	6	NP	NP	5	A-1-b
		8.0-10.0	29	37	28	- 6 -		NP	NP	7	A-1-b
		10.0-12.0	22	17	54	- 22 -		NP	NP	20	A-3
		12.0-13.0	14	31	48	- 7 -		NP	NP	10	A-3
245+50	100'Rt	0.4-2.0	0	7	46	23	15	NP	NP	20	A-4a
		2.0-7.0	2	14	66	12	6	NP	NP	21	A-3a
		7.0-12.0	6	7	25	41	21	20	5	12	A-4a
		12.0-17.0	22	17	22	22	12	19	4	11	A-4a
		17.0-20.0	23	8	24	29	16	16	3	12	A-4a
246+50	CL	0.4-3.0	30	23	17	-21-		NP	NP	7	A-1-b
		3.0-8.0	11	21	49	14	6	NP	NP	11	A-3a
		8.0-13.0	9	27	54	-10-		NP	NP	20	A-3
		13.0-17.0	9	27	53	-11-		NP	NP	16	A-3a
		17.0-20.0	12	31	43	-14-		NP	NP	16	A-3a
250+50	100'Lt	0.4-3.0	0	5	35	41	19	NP	NP	18	A-4a
		3.0-8.0	0	1	59	30	10	NP	NP	17	A-4a
		8.0-11.0	0	1	29	57	13	NP	NP	15	A-4b
		11.0-14.0	0	3	13	56	28	NP	NP	14	A-4b
		14.0-17.0	0	1	14	61	34	NP	NP	16	A-4b
		17.0-20.0	0	0	3	62	35	NP	NP	17	A-4b
250+50	12'Rt	0.4-3.0	0	23	64	-13-		NP	NP	18	A-3
		3.0-8.0	20	24	36	-20-		NP	NP	17	A-3a
		8.0-13.0	0	11	74	-15-		NP	NP	19	A-3a
		13.0-16.0	9	5	21	39	26	NP	NP	15	A-4a
		16.0-20.0	20	26	44	-10-		NP	NP	16	A-3
250+50	100'Rt	0.4-2.0	20	7	37	25	11	25	8	23	A

SOIL PROFILE
SUMMIT COUNTY
SUM-8-1.89
OHIO STATE HIGHWAY
TESTING LABORATORY
O S U CAMPUS COLUMBUS, OHIO

3/20

SUMMARY OF SOIL TEST DATA (Cont'd)

NOTE: NP shown in Liquid Limit and Plasticity Index columns indicates that the material is non-plastic.
*Denotes sample taken at or near grade.

STATION & OFFSET		DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS
252+50	CL	0.4-5.0	0	3	8	65	24	216	137	153	A-7-5
		5.0-6.0	Gray Organic Silt					34	16	31	Visual
		6.0-7.0	Gray Silty Sand							19	Visual
252+50	60'Rt	0.6-3.0	Gray-Brown Silty Sedimentary Peat							142	Visual
		3.0-7.0	Gray-Brown Silty Sedimentary Peat							69	Visual
		7.0-9.0	0	5	25	47	23	63	34	24	A-7-6
		9.0-14.8	22	11	42	-25-		NP	NP	13	A-3a
		14.0-15.0	10	17	51	-22-		NP	NP	12	A-3a
		15.0-18.0	43	6	22	18	11	NP	NP	10	A-2-4
		18.0-20.0	0	3	15	61	21	NP	NP	16	A-4b
252+50	100'Rt	0.4-3.0	19	7	37	26	11	NP	NP	25	A-1a
		3.0-8.0	0	22	64	-14-		NP	NP	21	A-3a
		8.0-13.0	0	19	74	- 7-		NP	NP	21	A-3
		13.0-17.0	13	7	46	30	4	NP	NP	15	A-3a
		17.0-20.0	0	8	56	26	10	NP	NP	15	A-1a
253+50	100'Lt	0.4-4.0	0	6	50	33	11	NP	NP	15	A-1a
		4.0-7.0	0	17	38	27	18	19	3	16	A-1a
		7.0-12.0	0	28	62	-10-		NP	NP	21	A-3
		12.0-14.0	0	2	13	64	21	NP	NP	24	A-4b
		14.0-18.0	0	17	56	-27-		NP	NP	16	A-3a
		18.0-20.0	0	2	47	45	6	NP	NP	21	A-1a
253+50	50'Lt	0.6-3.0	0	4	16	51	29	72	28	71	A-7-5
		3.0-4.0	0	5	35	42	18	112	66	103	A-7-5
		4.0-5.0	0	5	59	29	7	71	24	64	A-7-5
		5.0-7.0	10	19	43	19	4	39	NP	45	A-3a
253+50	CL	0.6-3.0	Black Fine Textured Peat							343	Visual
		3.0-8.0	Black Fine Textured Peat							421	Visual
		8.0-10.0	Brown-Gray Silty Sedimentary Peat					229	165	194	Visual
		10.0-14.0	Brown & Gray Silty Sedimentary Peat					166	119	135	Visual
		14.0-15.0	Brown & Gray Silty Sedimentary Peat					125	84	336	Visual
		15.0-16.5	Grayish Black Organic Silt					31	12	50	Visual
		16.5-19.0	Black Silt							23	Visual
		19.0-21.0	Black Silty Sand							16	Visual
253+50	50'Rt	2.0-4.0	Black to Dark Gray Fine Textured Peat							66	Visual
		4.0-6.0	Brown Fine Textured Peat							142	Visual
		6.0-7.0	7	22	50	10	11	NP	NP	29	A-3a
		7.0-12.0	Light to Dark Gray Marly Sedimentary Peat					62	24	65	Visual
		12.0-13.0	0	21	59	1	19	NP	NP	23	A-3a
253+50	100'Rt	0.4-3.0	0	7	53	18	22	NP	NP	20	A-4a
		3.0-8.0	0	20	70	-10-		NP	NP	20	A-3
		8.0-13.0	0	10	80	-10-		NP	NP	21	A-3
		13.0-17.0	14	28	50	- 8-		NP	NP	17	A-3
		17.0-20.0	8	25	54	-13-		NP	NP	16	A-3
254+50	100'Lt	0.4-1.0	Brown Organic Silt							64	Visual
		1.0-4.0	Gray Silty Sand					35	NP	144	Visual
		4.0-5.0	11	35	42	-12-		NP	NP	26	A-3a
254+50	50'Lt	0.3-3.0	Black Fine Textured Peat							423	Visual
		3.0-7.0	Brown Fine Textured Peat							330	Visual
		7.0-10.0	Gray Organic Silt							116	Visual
		10.0-12.0	Grayish Black Silt							38	Visual
		12.0-14.0	Gray Silty Sand							30	Visual
254+50	CL	0.3-1.0	Brown Fibrous Fine Textured Peat							513	Visual
		1.0-4.0	Brown Fibrous Fine Textured Peat							250	Visual
		4.0-9.0	Brown-Gray Sedimentary Peat							177	Visual
		9.0-12.0	Gray Silty Sedimentary Peat							93	Visual
		12.0-13.0	Gray Organic Silty Sand							22	Visual
254+50	50'Rt	0.4-2.0	0	10	38	32	20	24	11	25	A-6a
		2.0-7.0	17	23	50	-10-		NP	NP	15	A-3
		7.0-12.0	15	16	61	- 9-		NP	NP	16	A-3
		12.0-16.0	11	22	50	- 9-		NP	NP	17	A-3
255+50	175'Lt	0.4-1.0	0	4	21	24	51	90	48	53	A-7-5
		1.0-3.0	0	9	43	25	23	20	6	24	A-4a
		3.0-5.0	0	8	50	30	12	NP	NP	12	A-1a
		5.0-6.0	0	5	32	46	15	NP	NP	19	A-1a
255+50	100'Lt	0.0-14.5	Peat								Visual
		14.5-15.5	Gray Silty Sand & Gravel							18	Visual
255+50	50'Lt	0.4-2.0	Black Silty Fine Textured Peat							193	Visual
		2.0-6.0	Brown Fine Textured Peat							232	Visual
		6.0-8.0	0	7	24	44	25	94	48	69	A-7-5
		8.0-9.0	Gray Organic Silt							75	Visual
		9.0-14.0	Gray Silty Sand							23	Visual
255+50	CL	0.4-2.0	0	4	9	50	37	216	140	173	A-7-5
		2.0-4.0	5	24	50	12	9	38	NP	46	A-3a
		4.0-6.0	7	32	43	9	4	23	NP	20	A-3a
256+00	75'Lt	0.5-4.0	Brown to Black Fine-Textured Peat							145	Visual
		4.0-13.0	Brown Sedimentary Peat					81	40	103	Visual
		13.0-16.0	Gray Silty Clay							47	Visual
		16.0-17.0	Gray Silty Sand & Gravel							13	Visual

STATION & OFFSET		DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS
256+50	100'Lt	1.0-1.5	0	4	23	27	46	96	57	74	A-7-5
		1.5-4.0	0	10	36	25	29	22	8	26	A-4a
		4.0-6.5	0	33	63	- 4 -		NP	NP	25	A-3
256+50	CL	1.0-2.0	0	14	38	17	30	31	13	23	A-6a
		2.0-3.0	0	10	28	31	30	20	11	23	A-6a
		3.0-5.5	8	18	64	- 8 -		NP	NP	20	A-3
256+50	100'Rt	0.2-2.0	40	4	34	12	10	NP	NP	6	A-2-4
259+50	CL	0.5-2.0	0	2	10	73	15	NP	NP	19	A-4b
		2.0-8.0	0	1	8	73	17	NP	NP	19	A-4b
		8.0-13.0	0	1	4	81	14	NP	NP	24	A-4b
		13.0-14.0	0	14	75	13	8	NP	NP	24	A-3a*
		14.0-15.0	0	2	16	61	21	NP	NP	22	A-4b*
		15.0-18.0	0	1	9	74	16	NP	NP	19	A-4b*
		18.0-22.0	0	5	65	10	0	NP	NP	22	A-3*
262+50	CL	0.5-2.0	14	21	33	20	12	NP	NP	9	A-3a
		2.0-5.0	9	13	61	10	7	NP	NP	6	A-3a
		5.0-6.0	22	43	29	- 6 -		NP	NP	14	A-1-b
		6.0-10.0	53	30	9	- 8 -		NP	NP	8	A-1-a
		10.0-15.0	13	49	34	- 4 -		NP	NP	8	A-1-b
		15.0-18.0	8	46	46	- 4 -		NP	NP	6	A-1-b
		18.0-21.5	21	39	34	- 6 -		NP	NP	19	A-1-b
		21.5-24.0	29	64	5	- 2 -		NP	NP	17	A-1-b
		24.0-30.0	0	2	77	17	4	NP	NP	22	A-4b*
		30.0-33.0	0	4	77	17	2	NP	NP	16	A-3a*
265+50	CL	0.5-2.0	16	10	38	21	14	NP	NP	9	A-2-4
		2.0-6.0	0	2	25	54	19	NP	NP	15	A-4b
		6.0-10.5	0	1	28	46	23	NP	NP	25	A-4a
		10.5-13.5	0	1	17	64	18	NP	NP	20	A-4b*
		13.5-18.0	0	1	22	61	16	NP	NP	19	A-4b*
		18.0-23.0	0	0	17	69	14	NP	NP	17	A-4b
		23.0-25.0	0	3	14	53	30	NP	NP	14	A-4b
269+50	CL	0.5-1.5	0	6	18	44	32	30	11	19	A-6a
		1.5-3.0	11	5	28	35	21	24	10	15	A-4a*
		3.0-8.5	0	1	16	71	10	NP	NP	22	A-4b*
		8.5-12.0	0	0	22	71	7	NP	NP	17	A-4b
		12.0-15.0	0	0	46	46	14	NP	NP	16	A-4a
273+50	CL	0.5-2.5	0	3	18	54	25	25	7	21	A-4b*
		2.5-5.5	0	2	13	63	22	22	5	21	A-4b
		5.5-9.0	11	6	18	46	17	20	4	14	A-4a
		9.0-10.0	14	2	13	50	21	NP	NP	12	A-4b
277+50	CL	0.4-1.5	0	7	21	51	21	23	5	11	A-4b*
		1.5-2.5	0	6	19	50	25	42	25	12	A-7-6*
		2.5-7.0	0	1	11	70	18	NP	NP	20	A-4b*
		7.0-8.0	0	5	29	45	16	NP	NP	11	A-4a
		8.0-12.0	0	6	15	52	27	17	1	15	A-4b
281+65	CL	0.0-3.0	15	9	33	31	12	20	7	17	A-4a
		3.0-5.5	5	7	39	36	13	NP	NP	17	A-4a
		5.5-7.0	5	8	21	46	20	19	3	18	A-4a
		7.0-10.0	12	5	15	45	23	17	6	16	A-4a
285+50	CL	0.5-1.5	0	4	16	51	29	24	6	20	A-4b
		1.5-3.0	12	6	15	40	27	25	8	22	A-4a
		3.0-6.0	12	7	22	39	20	21	7	16	A-4a*
		6.0-9.0	0	3	11	73	13	NP	NP	20	A-4b*
		9.0-10.0	0	1	1	69	29	23	3	22	A-4b
		10.0-12.0	30	9	20	31	10	NP	NP	13	A-4a
		12.0-14.0	1	3	31	42	12	NP	NP	23	A-4b
		14.0-16.0	28	8	24	27	13	NP	NP	9	A-4a
289+50	CL	0.6-3.0	0	1	7	50	42	29	11	26	A-6a*
		3.0-7.5	32	7	7	38	16	25	8	16	A-4a*
		7.5-9.0	8	6	23	42	20	19	4	16	A-4a
		9.0-10.0	10	5	18	45	22	18	1	11	A-4a
		10.0-11.0	6	16	18	36	16	21	9	9	A-4a
		11.0-12.0	28	8	20	28	16	19	6	13	A-4a
		12.0-15.0	28	5	20	34	13	NP	NP	9	A-4a
292+16	CL	0.4-4.0	0	4	21	47	28	25	10	16	A-4a
		4.0-6.0	0	3	26	53	18	NP	NP	15	A-4b
		6.0-7.0	28	6	20	31	15	21	7	15	A-4a
		7.0-9.0	13	19	37	- 11 -		NP	NP	16	A-3a*
		9.0-11.0	41	21	32	- 6 -		NF	NP	12	A-1-b*
		11.0-19.0	40	19	28	- 12 -		NP	NP	11	A-1-b
		19.0-21.0	33	7	22	26	12	12	3	13	A-4a
295+50	CL	1.0-2.0	0	4	28	50	18	NP	NP	20	A-4b
		2.0-3.0	0	12	34	38	15	NP	NP	17	A-4a*
		3.0-6.0	0	20	43	30	7	NP	NP	8	A-4a*
		6.0-9.0	0	0	14	60	26	NP	NP	15	A-3a
		9.0-14.0	0	1	12	74	13	NP	NP	18	A-4b
		14.0-18.0	33	5	16	32	14	NP	NP	14	A-4a
		18.0-20.0	0	20	32	34	14	NP	NP	9	A-4a
298+50	CL	1.0-5.0	32	19	17	23	9	NP	NP	10	A-2-4*
		5.0-7.0	37	30	16	11	6	19	4	11	A-1-b*
		7.0-10.0	0	1	8	77	14	NP	NP	24	A-4b
		10.0-15.0	0	1	2	67	10	NP	NP	18	A-4b
		15.0-20.0	0	16	56	21	7	NP	NP	11	A-3a
		20.0-25.0	0	14	58	20	8	NP	NP	13	A-3a

STATION & OFFSET		DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS
302+50	CL	1.0-3.0	0	9	33	38	20	NP	NP	12	A-1a
		3.0-8.0	26	15	31	18	10	NP	NP	15	A-2-4
		8.0-11.0	0	5	13	58	32	26	6	20	A-4b
		11.0-16.0	0	3	10	61	26	NP	NP	18	A-4b
		16.0-20.0	30	12	21	24	13	NP	NP	11	A-1a
302+50	100'Rt	0.3-2.0	0	0	10	51	31	24	5	28	A-4b
		2.0-5.5	0	3	28	52	17	22	7	22	A-4b
		5.5-7.0	69	7	12	8	4	NP	NP	17	A-1-a
		7.0-12.0	0	2	10	70	18	NP	NP	22	A-4b
		12.0-13.0	18	14	50	-10-		NP	NP	15	A-3a
		13.0-16.0	0	8	24	49	19	NP	NP	13	A-1a
305+50	00'Lt	0.2-2.0	0	8	27	35	30	NP	NP	14	A-1a
		2.0-4.0	0	8	27	36	29	27	10	17	A-1a
		4.0-6.0	27	8	35	19	11	NP	NP	16	A-2-4
		6.0-9.0	0	1	11	57	31	22	3	20	A-4b
		9.0-14.0	0	1	12	69	18	24	3	24	A-4b
		14.0-20.0	28	9	24	27	12	NP	NP	10	A-1a
305+50	15'Lt	0.2-1.0	0	8	62	21	9	NP	NP	17	A-3a
		1.0-3.0	0	16	59	14	11	NP	NP	17	A-3a
		3.0-8.0	10	17	54	11	8	NP	NP	18	A-3a
		8.0-11.0	0	3	31	45	21	NP	NP	17	A-4a
		11.0-15.0	0	9	26	49	16	NP	NP	15	A-1a
305+50	80'Rt	0.3-3.0	0	1	15	57	27	27	7	24	A-4b
		3.0-7.0	0	0	10	48	42	-	-	38	A-6b
		7.0-10.0	0	1	10	46	43	71	41	51	A-7-5
		10.0-15.0	0	3	12	56	29	23	8	14	A-4b
306+50	100'Rt	0.3-1.0	0	4	42	38	16	NP	NP	22	A-1a
		1.0-11.0	0	7	37	41	15	23	7	22	A-1a
		11.0-7.0	0	7	37	41	15	23	7	22	A-1a
		7.0-10.0	0	15	80	- 5-		NP	NP	19	A-3
306+65	CL	1.0-3.0	35	13	34	13	5	NP	NP	15	A-2-4
		3.0-5.0	0	14	69	10	7	NP	NP	19	A-3a
		5.0-9.0	18	6	14	42	20	NP	NP	17	A-1a
		9.0-12.0	0	2	9	63	26	NP	NP	16	A-4b
360+65	20'Rt	0.3-2.5	0	3	23	47	27	29	6	35	A-1a
		2.5-5.0	0	34	62	- 7-		NP	NP	19	A-3
		5.0-7.0	0	1	21	61	17	NP	NP	23	A-4b
		7.0-10.0	0	8	22	51	19	NP	NP	16	A-4b
306+65	60'Rt	0.3-4.0	0	3	25	23	49	37	21	26	A-6b
		4.0-5.0	0	1	5	48	46	-	-	68	A-4b
		5.0-8.0	0	0	0	56	44	57	30	44	A-7-6
		8.0-11.0	0	5	13	58	24	NP	NP	20	A-4b
307+50	100'Lt	1.0-5.0	0	1	7	65	27	28	9	23	A-4b
		5.0-9.0	0	2	12	62	24	37	16	27	A-6b
		9.0-14.0	0	0	4	71	25	NP	NP	24	A-4b
		14.0-20.0	0	6	29	32	33	NP	NP	12	A-1a
307+50	CL	1.0-5.0	0	1	19	58	22	NP	NP	25	A-4b
		5.0-10.0	0	3	13	56	28	NP	NP	26	A-4b
		10.0-15.0	0	2	11	62	25	NP	NP	16	A-4b
		15.0-20.0	36	11	21	23	9	NP	NP	8	A-2-4
307+50	45'Rt	1.0-5.0	0	1	11	46	42	34	15	34	A-6a
		5.0-8.0	50	11	27	-12-		NP	NP	16	A-1-b
		8.0-10.0	0	3	12	54	31	NP	NP	21	A-4b
307+50	80'Rt	0.3-1.0	0	8	62	17	13	NP	NP	26	A-3a
		1.0-3.5	0	0	5	64	31	32	14	28	A-6a
		3.5-6.0	0	2	15	58	25	77	40	64	A-7-5
		6.0-10.0	0	0	9	76	15	NP	NP	21	A-4b
		10.0-11.0	71	11	12	- 6-		NP	NP	8	A-1-a
		11.0-15.0	0	3	14	56	27	NP	NP	16	A-4b
307+50	115'Rt	0.3-2.5	0	8	44	35	16	NP	NP	21	A-4a
		2.5-5.0	0	0	3	63	14	NP	NP	26	A-4b
		5.0-6.0	0	0	5	77	18	NP	NP	23	A-4b
		6.0-14.0	0	4	14	56	26	NP	NP	16	A-4b
307+65	65'Rt	0.3-4.0	0	0	8	68	24	28	6	24	A-4b
		4.0-6.5	0	0	4	80	16	NP	NP	21	A-4b
		6.5-10.0	0	3	12	57	28	NP	NP	15	A-4b
310+50	CL	0.3-4.0	0	5	23	45	27	26	9	16	A-4a
		4.0-8.0	0	3	13	57	27	23	7	14	A-4a
		8.0-11.0	51	13	18	12	6	NP	NP	13	A-1-b
		11.0-16.0	0	7	34	44	15	NP	NP	16	A-4a
		16.0-20.0	39	7	22	24	8	NP	NP	13	A-2-4
314+50	CL	0.4-4.0	21	6	39	25	9	NP	NP	8	A-2-4
319+25	CL	0.3-3.0	27	6	19	31	17	NP	NP	15	A-4a*
		3.0-6.0	0	9	27	44	20	NP	NP	16	A-4a
		6.0-15.0	0	6	26	54	14	NP	NP	12	A-4b
323+50	CL	0.3-3.0	0	17	36	30	15	NP	NP	11	A-4a*
		3.0-6.0	0	2	24	54	20	18	4	16	A-4a*
		6.0-6.5	30	8	20	31	11	NP	NP	19	A-4a
		6.5-14.0	26	9	22	27	10	NP	NP	10	A-4a
327+50	CL	0.3-4.5	39	1	9	44	10	37	19	22	A-6b
		4.5-8.0	51	12	19	14	4	NP	NP	11	A-1-b
		8.0-13.0	14	8	31	34	13	NP	NP	13	A-4a
		13.0-17.0	0	0	10	72	18	22	3	13	A-4b

STATION & OFFSET		DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS
327+50	100'Rt	0.3-3.0	34	6	22	16	20	28	10	15	A-4a
		3.0-6.0	44	15	28	7	6	NP	NP	18	A-1-b
		6.0-9.0	24	7	27	24	18	NP	NP	15	A-4a
		9.0-12.0	0	8	24	31	37	21	5	16	A-4a
		12.0-15.0	17	2	7	27	17	26	4	14	A-4a
328+25	75'Lt	0.4-2.0	32	11	24	16	17	31	10	17	A-2-4
		2.0-3.0	0	2	7	17	7	NP	NP	16	A-3a
		3.0-8.0	28	6	20	32	14	NP	NP	15	A-4a
		8.0-13.0	0	6	20	54	20	20	3	16	A-4b
		13.0-15.0	57	14	23	12	4	NP	NP	14	A-1-b
330+50	CL	0.3-1.0	0	6	24	51	19	65	19	36	A-7-5
		1.0-3.0	0	14	42	28	16	49	25	32	A-6a
		3.0-5.0	0	10	45	33	12	40	4	18	A-4a
		5.0-7.0	24	28	28	-10-		NP	NP	13	A-1-b
		7.0-12.0	0	7	33	44	16	17	3	14	A-4a
331+50	100'Lt	0.3-4.0	0	3	26	44	27	26	8	17	A-4a
		4.0-9.0	0	12	46	26	16	NP	NP	16	A-4a
		9.0-12.0	43	31	20	- 6-		NP	NP	16	A-1-b
331+50	CL	0.4-2.0	0	1	4	61	34	NP	NP	50	A-4b
		2.0-5.0	0	3	16	55	24	131	76	66	A-7-5
		5.0-9.0	38	30	28	- 3-		NP	NP	15	A-1-b
		9.0-14.0	0	5	30	46	19	NP	NP	15	A-4a
		14.0-20.0	19	20	45	-16-		NP	NP	15	A-3a
331+50	75'Rt	0.0-3.0	0	5	32	49	14	NP	NP	12	A-4a
		3.0-7.0	0	4	15	45	36	45	21	28	A-7-6
		7.0-9.0	0	7	31	45	18	21	4	16	A-4a
		9.0-13.0	0	8	32	44	16	NP	NP	16	A-4a
		13.0-16.0	26	7	20	34	13	NP	NP	15	A-4a
333+50	100'Lt	0.2-3.0	0	3	15	50	23	21	1	16	A-4b
		3.0-6.0	0	3	11	68	15	29	9	19	A-4b
		6.0-10.0	0	4	36	46	14	NP	NP	19	A-4a
		10.0-14.0	35	29	28	- 7-		NP	NP	13	A-1-b
		14.0-20.0	35	5	25	28	7	NP	NP	15	A-2-4
333+50	CL	0.3-3.0	13	12	25	43	7	NP	NP	7	A-1-b
		3.0-7.0	19	21	15	9	6	22	7	11	A-2-4
		7.0-9.0	19	23	16	-12-		NP	NP	17	A-3a
335+50	150'Lt	0.0-2.0	0	9	35	28	27	NP	NP	17	A-4a
		2.0-5.0	0	16	57	19	8	NP	NP	16	A-3a
		5.0-8.0	0	1	60	27	12	NP	NP	20	A-3a
		8.0-10.0	0	8	33	38	21	NP	NP	12	A-4a
		10.0-11.0	59	12	23	- 6-		NP	NP	13	A-1-a
		11.0-18.0	0	2	11	60	27	26	6	21	A-4b
		18.0-24.0	0	6	13	50	31	22	5	14	A-4b
335+50	CL	0.0-1.0	0	5	20	36	39	68	28	40	A-7-5
		1.0-2.0	0	2	19	46	33	69	19	30	A-6b
		2.0-7.0	0	5	32	47	16	NP	NP	21	A-1-b
		7.0-9.0	0	5	37	45	10	NP	NP	21	A-4a
		9.0-15.0	0	8	22	50	20	NP	NP	12	A-4b
		15.0-17.0	33	35	24	-0-		NP	NP	10	A-1-b
		17.0-24.0	0	6	30	46	16	NP	NP	13	A-1a
335+50	100'RT	0.2-1.0	0	14	24	53	19	NP	NP	13	A-4b
		1.0-2.0	49	14	23	10	4	NP	NP	13	A-1-b
		2.0-7.0	0	7	26	50	17	19	4	18	A-4b
		7.0-11.0	30	7	39	16	8	NP	NP	13	A-2-4
337+25	65'RT	0.5-5.0	38	8	20	24	10	NP	NP	14	A-2-4
		5.0-14.0	13	28	46	-13-		NP	NP	15	A-3a
		14.0-19.0	0	3	47	38	12	NP	NP	16	A-4a
		19.0-23.0	46	6	17	20	11	NP	NP	12	A-2-4
337+35

SUMMARY OF SOIL TEST DATA (Cont'd)

NOTE: NP shown in Liquid Limit and Plasticity Index columns indicates that the material is non-plastic.
*Denotes sample taken at or near grade.

STATION	OFFSET	DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS
353+10	CL	0.0-2.0	16	10	35	21	18	21	9	17	A-1a
		2.0-4.0	30	9	31	17	13	25	10	19	A-2-4
		4.0-8.0	12	14	52	9	7	NP	NP	20	A-3a
		8.0-10.0	16	20	54	-10-		NP	NP	21	A-3a
		10.0-12.0	22	18	52	- 8-		NP	NP	16	A-3
		12.0-16.0	53	15	20	8	4	NP	NP	13	A-1-b
		16.0-20.0	50	38	8	- 3-		NP	NP	13	A-1-a
		WISE ROAD									
5+00	10'Lt	0.5-2.0	29	9	18	28	16	21	5	15	A-1a
		2.0-7.0	28	9	18	27	17	22	4	12	A-1a
8+50	10'Lt	0.5-4.0	40	9	20	19	12	NP	NP	12	A-2-4
		4.0-7.0	38	8	21	24	15	NP	NP	13	A-1a
		7.0-12.0	30	6	18	28	18	NP	NP	12	A-1a
		12.0-14.0	0	10	31	36	23	NP	NP	10	A-1a
11+50	10'Lt	0.5-5.0	24	6	18	31	21	24	5	16	A-1a
		5.0-7.0	16	14	35	20	15	NP	NP	17	A-2-4
		7.0-9.0	31	8	20	23	18	NP	NP	14	A-1a
		9.0-15.0	0	9	21	43	27	NP	NP	13	A-1a
		15.0-20.0	36	7	20	23	14	NP	NP	11	A-1a
15+00	10'Lt	0.5-3.0	28	5	16	33	17	22	5	16	A-1a*
		3.0-7.0	39	6	17	29	19	21	4	14	A-1a
		7.0-9.0	0	7	22	43	28	24	2	20	A-1a
		9.0-10.0	0	2	9	51	38	27	7	22	A-1b
		GRAYBILL ROAD									
5+00	10'Rt	0.5-3.0	0	3	5	62	30	NP	NP	27	A-4b*
		3.0-6.0	0	3	12	60	25	30	11	22	A-6a
		6.0-9.0	50	11	23	17	9	NP	NP	16	A-2-4
		9.0-12.0	41	3	16	31	9	NP	NP	20	A-1a
		12.0-14.0	32	7	20	25	16	NP	NP	18	A-1a
8+00	10'Rt	0.5-3.0	0	9	43	31	17	NP	NP	11	A-1a
		3.0-8.0	0	8	34	35	23	NP	NP	13	A-1a
		8.0-9.0	30	6	24	27	13	NP	NP	12	A-1a
		9.0-11.0	24	13	39	16	8	NP	NP	13	A-3a
		11.0-17.0	27	11	42	3	17	NP	NP	13	A-3a
		17.0-20.0	37	7	15	28	13	NP	NP	10	A-1a

STATION	OFFSET	DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS
11+50	10'Rt	0.5-3.0	20	7	25	32	16	NP	NP	10	A-1a
		3.0-8.0	26	7	21	38	18	20	3	13	A-1a
		8.0-10.0	15	8	28	36	13	21	6	14	A-1a
		10.0-15.0	23	6	28	33	15	NP	NP	11	A-1a
		15.0-20.0	20	10	26	24	20	NP	NP	10	A-1a
15+00	10'Lt	0.5-4.0	0	2	10	56	31	NP	NP	22	A-4b
		4.0-7.0	0	2	7	76	15	27	6	23	A-4b
		7.0-10.0	22	8	34	30	6	NP	NP	13	A-1a
		MASSILLON ROAD									
10+37	21'Lt	0.5-4.0	21	6	31	25	17	24	9	19	A-1a*
		4.0-8.0	15	16	53	11	5	NP	NP	21	A-3a
		8.0-13.0	17	5	16	38	22	21	3	15	A-1a
		13.0-16.0	16	6	21	54	9	NP	NP	14	A-2-4
		16.0-18.0	20	1	24	42	13	NP	NP	18	A-1a
		18.0-20.0	37	5	16	33	9	NP	NP	14	A-1a
21+52	21'Lt	0.5-3.0	23	9	37	20	11	NP	NP	19	A-2-4*
		3.0-7.0	29	9	30	22	10	20	5	14	A-2-4*
		7.0-10.0	23	7	23	33	14	19	3	16	A-1a
20+87	21'Rt	0.5-5.0	31	18	40	9	2	NP	NP	7	A-3a
		5.0-9.0	15	22	51	9	3	NP	NP	7	A-3a*
		9.0-13.0	29	9	26	27	9	NP	NP	13	A-1a
		13.0-15.0	24	12	40	13	11	NP	NP	15	A-3a
		15.0-18.0	18	6	21	37	18	20	4	15	A-4a
		TURKEYFOOT LAKE ROAD									
5+00	12'Rt	0.4-5.0	50	9	17	16	8	21	3	13	A-1-b
		5.0-10.0	0	8	41	35	16	NP	NP	14	A-1a
9+00	13'Lt	0.4-4.0	32	16	27	21	4	NP	NP	10	A-2-4
		4.0-7.0	6	6	12	62	20	NP	NP	18	A-4b
		7.0-10.0	15	16	27	9	3	NP	NP	16	A-1-b
		10.0-15.0	15	23	26	- 6-		NP	NP	12	A-1-b
		15.0-19.0	53	21	17	- 6-		NP	NP	12	A-1-a
		19.0-21.0	37	15	37	-11-		NP	NP	14	A-1-b
11+00	14'Lt	0.4-1.5	35	10	31	16	8	NP	NP	9	A-2-4
		1.5-6.5	33	17	35	10	5	NP	NP	14	A-1-b
		6.5-11.5	0	6	17	51	26	NP	NP	14	A-4b
		11.5-15.0	0	1	6	62	31	24	6	18	A-4b
		15.0-18.0	55	6	20	13	6	NP	NP	17	A-1-b
		18.0-23.0	0	5	24	52	19	NP	NP	12	A-4b
15+15	14'Rt	0.4-1.5	0	5	24	48	22	NP	NP	21	A-4a
		1.5-6.0	0	1	25	56	18	NP	NP	22	A-4b
		6.0-9.0	0	6	24	51	19	28	9	14	A-4b
		9.0-10.0	0	9	32	40	19	18	2	13	A-4a

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TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

5/20

NOTE: For cross section of Sta. 105+00, see this sheet.

Weeds | Lawn | Orchard | Weeds | Pasture | Cultivated

Standing water 3/8/60

Weeds | Lawn | Greensburg Road - C.H. 133 | Weeds | Pasture | Cultivated

℄, Proposed S.R. 8

STA-SUM-8-(14.00/10.00) SUM-8-1.89

77 80 85 90 95 100 105 109

1220 1210 1200 1190 1180 1170

Northbound Lane

Southbound Lane

℄ TS=04'
13 13 14
Refusal (Boulders)

108' Lt. TS=04'
35 15 14
Hole squeezed in at elev 1201.7'

71' Lt. TS=20'
41 56 24-0 17 12
Hole caved in at elev. 1200.5'

Trace of organic

℄ TS=04'
13 16 18 13 14

Cross Section Sta. 105+00

(Sta. 105+18) TS=04'
W.S. 28 29 17 16 14

(Sta. 104+73) TS=04'
35 15 14
Hole squeezed in at elev. 1201.7'

(Sta. 105+43) TS=20'
41 56 24-0 17 12
Hole caved in at elev. 1200.5'

Trace of organic

Proposed section

1210 1200 1190

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20

77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109

TE 54-B
900 5-59

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TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

6/20

Wooded — Cultivated — Wooded — Cultivated

℄, Proposed S.R. 8

109 110 115 120 125 130 135 140 141

Cultivated — Wooded — Cultivated

1210
1200
1190
1180

℄ TS=04'
13 15 14 14

℄ TS=04'
26 15 15 21 24

℄ TS=04'
18 17
Refusal
(Boulders)
(Hand auger)

℄ TS=04'
11 13 13

℄ TS=04'
16 17 14

℄ TS=04'
16 13 14

℄ TS=04'
24 14 14 12

℄ TS=04'
14 14 13 17 11
Refusal
(Boulders)

109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141

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7
20

Cultivated
Cultivated
Pasture
Cultivated
℄, Proposed Wise Road
℄, Proposed S.R. 8
℄, Ramp 'U'
℄, Ramp 'R'
Existing Wise Road
Sta. 150+67.85-℄, Proposed S.R. 8 =
Sta. 10+00-℄, Proposed Wise Road
NOTE: For profile of Proposed Wise Road, see sheet 14.
NOTE: For cross sections of Stas. 162+00 and 167+00, see this sheet.
Cultivated
Cultivated
Pasture
Cultivated

141 145 150 155 160 165 170 173
0 5 0 5

Proposed grade - Wise Road

℄ TS=04' 16 16 14
℄ TS=04' 11 15 15 17 14 11 13 W Hole caved in at elev. 1187.0
℄ 3' Rt. 12 13 Refusal (Boulders) 13 13 11 Refusal (Boulders)
℄ TS=04' 11 16 17 14 W
℄ TS=04' 20 16 14 19
℄ Sod & TS=04' 16 12 Refusal (Boulders)
℄ TS=04' 12 15 19 W 21 15 13 13 Hole squeezed in at elev. 1142.9
℄ TS=04' 23 21 14 11
℄ TS=04' 18 18 13 15
℄ TS=04' 16 13 Refusal (Hand auger)

1200 1190 1180 1170 1160 1150 1140 1130

Cross Section Sta. 167+00

(Sta. 167+43) TS=04' 23 15 17 12 23 Hole caved in at elev. 1144.2'
(Sta. 167+43) TS=04' 23 21 14 11
Proposed section
(Sta. 167+43) TS=04' 16 12 23 11 18 Hole caved in at elev. 1140.6'

100 50 ℄ 50 100

Cross Section Sta. 162+00

Proposed section
(Sta. 161+68) Sod & TS=04' 34 22 12 W Refusal (Boulders)
(Sta. 161+68) Sod & TS=04' 16 12 Refusal (Boulders)
(Sta. 161+68) Sod & TS=04' 22 19 11 11 Refusal (Boulders)

140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130

141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173

TE-54.8
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SOIL PROFILE
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OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS. COLUMBUS. OHIO

8/20

Cultivated
Weeds
Wooded
Cultivated
℄, Ramp 'U'
NOTE: For cross section of Sta. 175+00, see this sheet.
NOTE: For cross section of Sta. 185+00, see this sheet.
℄, Ramp 'T'
℄, Proposed S.R. 8
℄, Ramp 'R'
℄, Ramp 'S'
Poorly drained area
Weeds
Wooded
Cultivated
NOTE: For profile of Proposed Graybill Road see sheet 14.
Existing Graybill Road
Sta. 200+03.14 - ℄, Proposed S.R. 8 =
Sta. 10+00 - ℄, Proposed Graybill Road
℄, Proposed Graybill Road
Proposed grade - Graybill Road

TS=04'
Refusal (Hand auger)
Hole caved in at elev. 1134.0'
Hole caved in at elev. 1149.5'
Trace of organic
Hole squeezed in at elev. 1133.5'
TS=08'
Refusal (Boulders) (Hand auger)
TS=10'
Refusal (Hole caved in at elev. 1163.0')
TS=07'
Refusal
TS=04'
Hole caved in at elev. 1162.0'
Sod=04'
Hole caved in at elev. 1152.2'

Cross Section Sta. 185+00
(Sta. 184+68)
Proposed section
Trace of organic
Hole squeezed in at elev. 1133.5'
Hole caved in at elev. 1137.9'

Cross Section Sta. 175+00
(Sta. 175+43)
Trace of organic
Refusal (Boulders) (Hole caved in at elev. 1140.2')
Hole caved in at elev. 1134.0'
Refusal (Boulders) (Hole caved in at elev. 1143.8')

1180 1170 1160 1150 1140 1130 1120

173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205

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TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

9/20

Cultivated | Weeds and brush | Wooded | Weeds and scrubs | Woods | Weeds | Woods and weeds

NOTE: For cross sections of Sta. 212+00 and 214+00, see this sheet.

NOTE: For cross section of Sta. 237+00, see this sheet.

Pond

Ramp "J"

NOTE: For profile of Ramp "J", see sheet 15.

Pond

Ramp "M"

NOTE: For profile of Ramp "M", see sheet 15.

205 210 215 220 ℄, Proposed S.R. 8 225 230 235 237

Third Road

Cultivated | Wooded | Weeds | Woods and weeds

Cross Section Sta. 214+00

(Sta. 213+55) TS=04' Proposed section (Sta. 213+55) TS=04'

Hole caved in at elev. 1148.0'

Cross Section Sta. 212+00

(Sta. 211+55) TS=04' Proposed section (Sta. 211+55) TS=04' (Sta. 211+55) TS=04'

Hole caved in at elev. 1148.6' | Hole caved in at elev. 1146.5' | Hole caved in at elev. 1144.9'

Sod=04' | TS=04' | TS=04' | ℄ 100' Rt. TS=04 TS=04' | TS=04'

Hole caved in at elev. 1146.5' | Hole caved in at elev. 1148.0' | Hole caved in at elev. 1153.6'

TS=04' | TS=04' | TS=04' | TS=04' | TS=04'

Refusal (Boulders) (Hole caved in at elev. 1171.0') | Refusal (Boulders)

Northbound Lane | Southbound Lane

Cross Section Sta. 237+00

Approximate ground line | Proposed section

(Sta. 236+50) TS=04' 42 Organic | TS=04' | (Sta. 237+50) TS=04'

1160 1150 1140 1130 1170 1200 1190 1180 1210

205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237

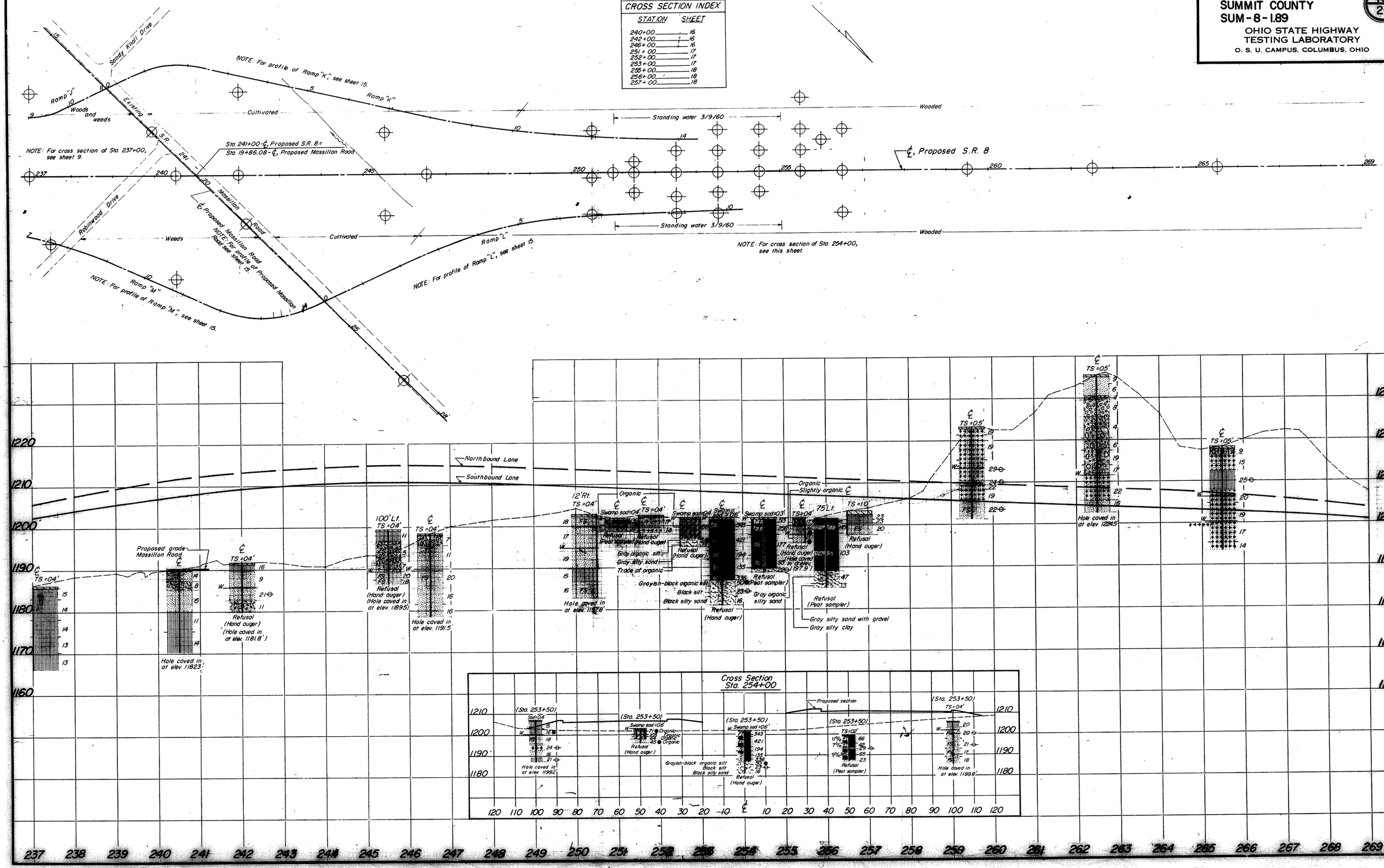
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OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

10
20

CROSS SECTION INDEX	
STATION	SHEET
240+00	16
242+00	16
246+00	16
251+00	17
252+00	17
253+00	17
255+00	18
256+00	18
257+00	18



TE 54.8
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SOIL PROFILE

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O. S. U. CAMPUS, COLUMBUS, OHIO

11
20

Wooded — Lawn — Cultivated — Orchard — Cultivated

℄, Proposed S.R. 8

269 270 275 280 285 290 295 300 301

Spring (Approx. elev. 1199.0')

Sta. 292+49.66 ℄, Proposed S.R. 8 =
Sta. 10+00 ℄, Proposed Turkey Foot Lake Road

Pond

℄ Proposed Turkey Foot Lake Road

NOTE: For profile of Proposed Turkey Foot Lake Road, see sheet 14.

Orchard — Cultivated

Spring

Poorly drained area

Wooded — Lawn — Cultivated — Orchard — Lawn — Orchard — Cultivated

Existing Turkey Foot Lake Road (S.R. 619)

15

Northbound Lane
Southbound Lane

℄ TS =05'
16 18 22 17 16

℄ TS =05'
21 21 14 12

℄ TS =04
12 20 11 15

℄ Sod & TS =08'
17 17 18 16

℄ Sod & TS =05'
20 22 16 W 20 22 13 23 9

Proposed grade – Turkey Foot Lake Road

℄ Sod & TS =06'
26 16 16 9 13 9

℄ TS =04'
16 15 15 W 16 12 11 13
Refusal (Hole caved in at elev. 1145.5')

℄ TS =10'
20 8 W 15 18 14 9
Hole caved in at elev. 1134.8'

℄ TS =10'
20 17 24 18 11 13
Hole caved in at elev. 1127.0'

1200 1190 1180 1170 1160 1150 1140 1130 1120 1110

269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301

TE 54 B
900 5.59

SOIL PROFILE
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OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

12/20

CROSS SECTION INDEX

STATION	SHEET
303+00	18
306+00	19
308+00	19
332+00	19

Wooded — Cultivated — Wooded — Cultivated — Weeds

Standing water 3-9-60

Station Sta. 316+00 Back = Equation Sta. 317+00 Ahead

℄, Proposed S.R. 8

Poorly drained area

Spring (Approx. elev. 1091.0')

Poorly drained area

Springs (Approx. elev. 1090.0')

Spring (Approx. elev. 1086.8')

301 305 310 315 320 325 330 333

Cultivated — Wooded — Cultivated — Weeds — Wooded

NOTE: For cross section of Sta. 307+00, see this sheet.

NOTE: For cross section of Sta. 328+00, see this sheet.

1130 1120 1110 1100 1090 1080 1070 1060

℄ TS =1.0' — Hole caved in at elev. 1110.7'

15' Lt. TS =0.2' — Refusal (Hole caved in at elev. 1108.1')

℄ TS =1.0' — Hole caved in at elev. 1107.9

℄ Sod & TS =1.0'

℄ Sod & TS =0.3'

℄ TS =0.4' — Refusal (Boulders.) (Hand auger)

Sta. 316+00 Back = Equation Station Sta. 317+00 Ahead

℄ Sod & TS =0.3'

℄ Sod =0.3' — W

℄ Sod =0.3' — Refusal (Boulders) (Hole caved in at elev. 1107.1')

75' Lt. Sod & TS =0.4'

℄ Sod =0.3' — Trace of organic — Hole caved in at elev. 1081.2'

℄ Sod & TS =0.4' — Organic — Hole caved in at elev. 1077.1'

Cross Section Sta. 307+00

Proposed section

(Sta. 306+65) TS=1.0' — Hole caved in at elev. 1107.9'

(Sta. 306+65) Sod & TS=1.0' — Slightly organic — Hole caved in at elev. 1107.1'

(Sta. 306+65) Sod & TS=0.3' — 44 Organic

(Sta. 306+50) Sod & TS=0.3'

℄ 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

Cross Section Sta. 328+00

Proposed section

(Sta. 327+50) Sod=0.3' — Refusal (Boulders.) (Hole caved in at elev. 1079.1')

(Sta. 327+50) Sod=0.3' — Refusal (Boulders)

100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333

TE.54 B
800.4 60

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13
20

NOTE: For cross sections of Stas. 334+00, and 337+00, see sheet 20.

Weeds
Wooded
Spring (Approx. elev. 1078.0')
Weeds and grass
℄, Proposed S.R. 8
Orchard
Lawns
Road
Arlington
Road
Poorly drained area
Wooded
Spring
Spring
Weeds and grass
Orchard
Lawns
Essig
Road

NOTE: For cross section of Sta 336+00, see this sheet.

333 335 340 345 350 355 360 365

1100 1090 1080 1070 1060 1050 1040 1030

℄ Sod=03'
7 11 17
Refusal (Boulders) (Hole caved in at elev. 1078.0)

℄ Sod=02'
40 30
2 2
12 10 13
Refusal (Boulders) (Hole caved in at elev. 1064.6')

℄ Sod & TS=03'
19 21 13 14
Refusal (Hole caved in at elev. 1066.7')

℄ Sod & TS=01'
20 22 17 15
Refusal (Boulders)

℄ Sod & TS=08'
16 11 8
Refusal

℄
Sod & TS=05'
7 9 13 6 5 12 7

℄ TS=06'
5 7 15 10 16 18 17 16
Refusal (Hole caved in at elev. 1051.3')

℄ Sod & TS=08'
17 19 20 21 19 13 13
Refusal (Hole caved in at elev. 1043.5')

Cross Section Sta. 336+00

Proposed section

(Sta. 335+50) Sod=02' 17 16 20 12 13 21 14
Refusal (Hole caved in at elev. 1067.4')

(Sta. 335+50) Sod=02' 40 30 21 12 10 13
Refusal (Boulders) (Hole caved in at elev. 1064.6')

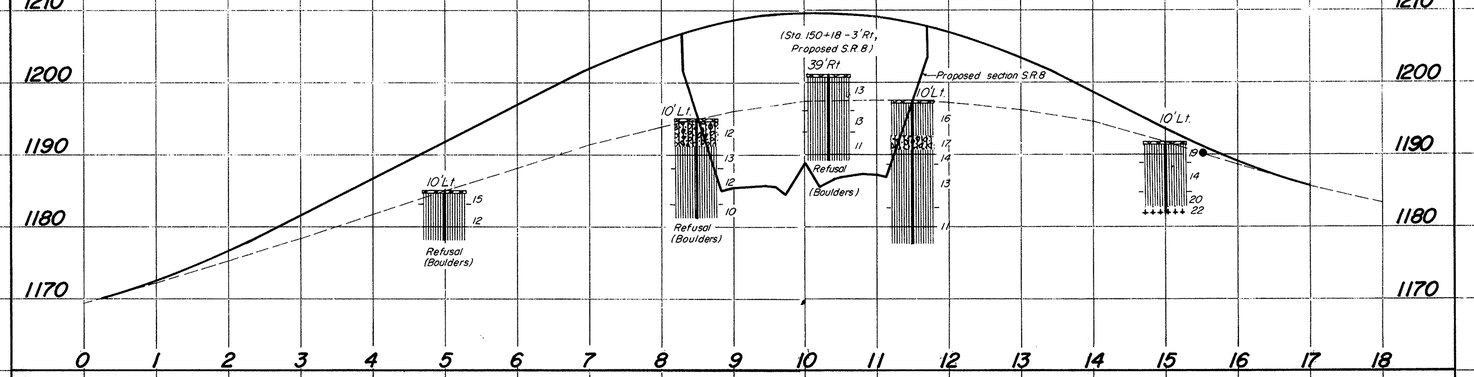
(Sta. 335+50) Sod=02' 13 15 13
Trace of organic
Refusal (Boulders)

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

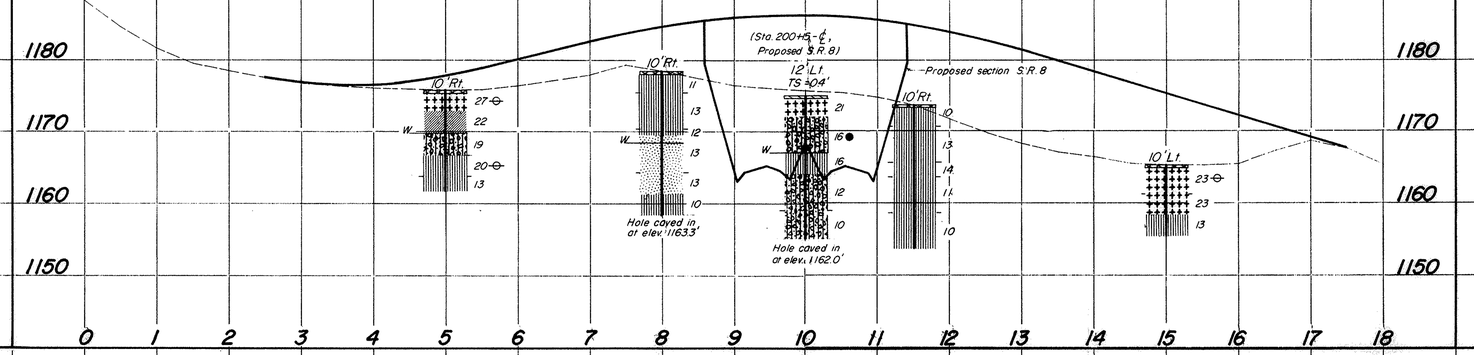
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O. S. U. CAMPUS, COLUMBUS, OHIO

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20

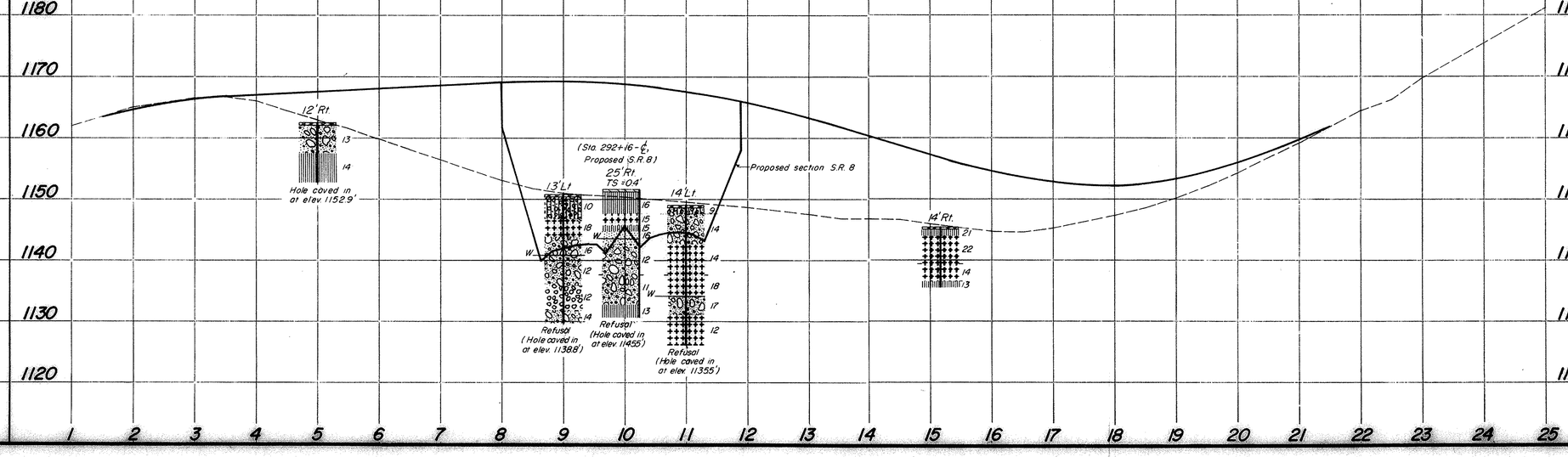
WISE ROAD



GRAYBILL ROAD



TURKEYFOOT LAKE ROAD

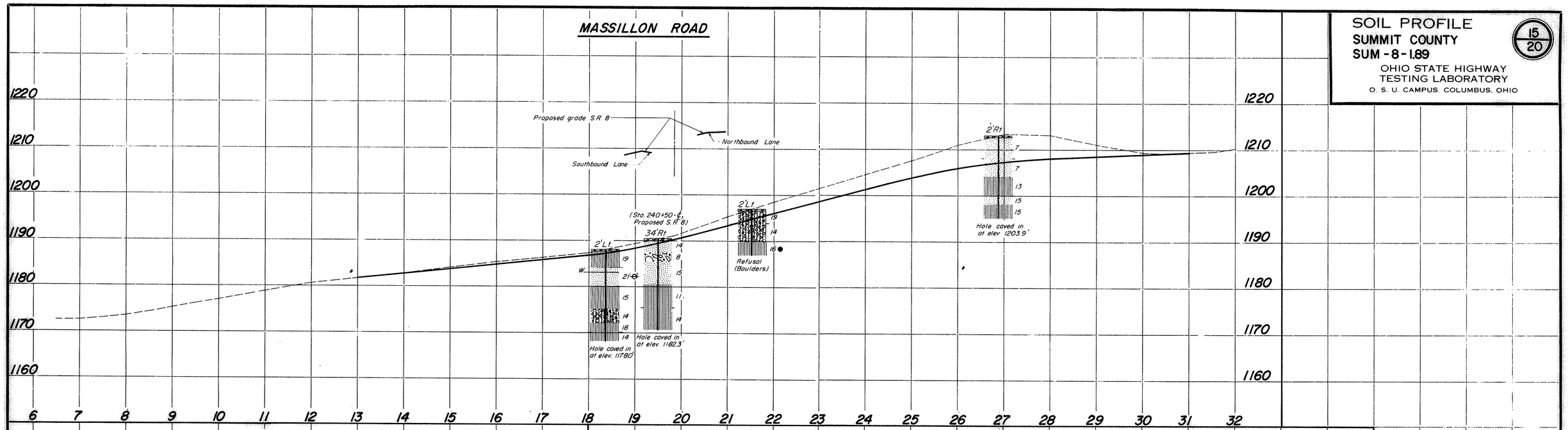


TE-54.8
500 4-60

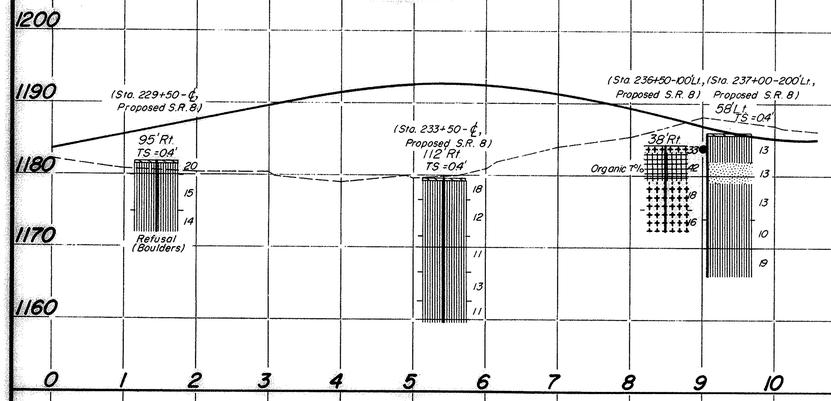
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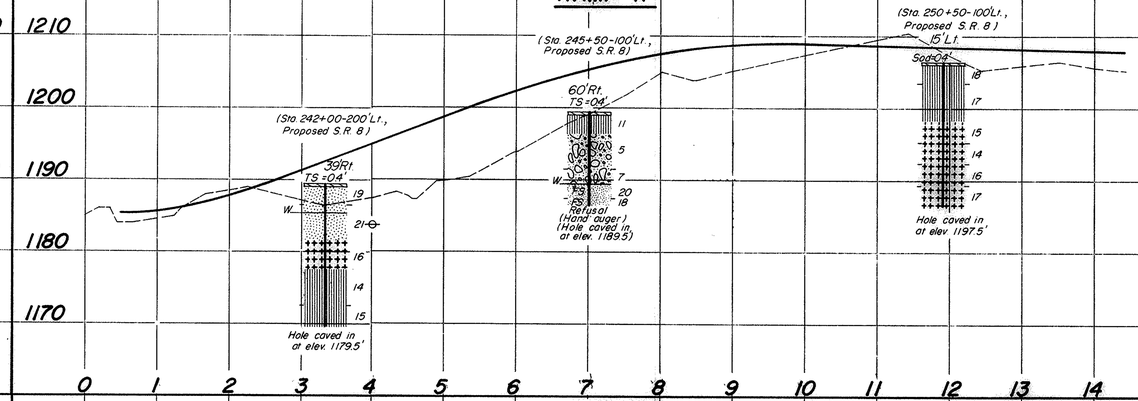
MASSILLON ROAD



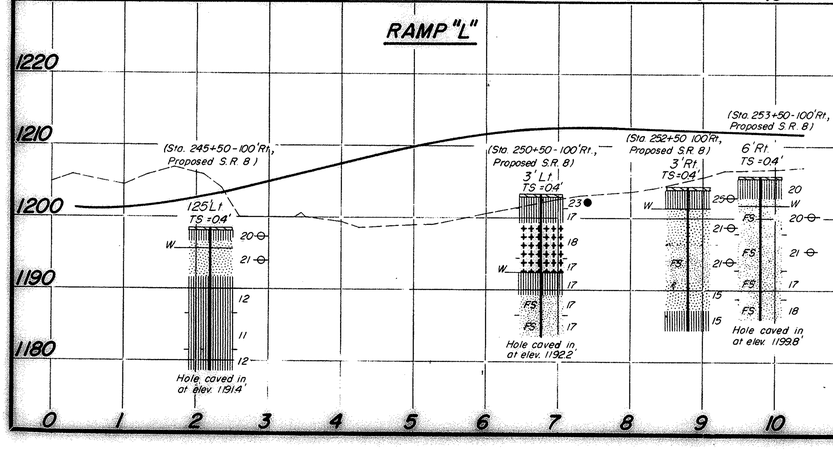
RAMP "J"



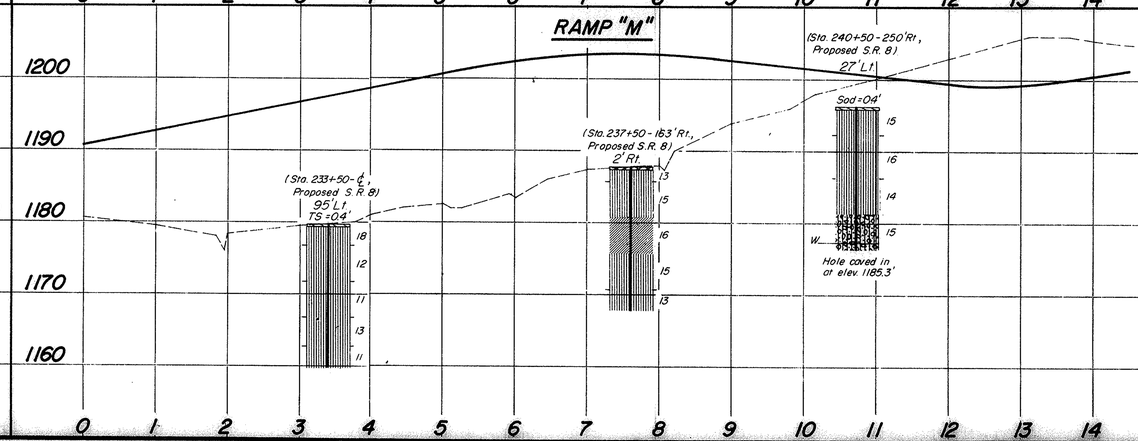
RAMP "K"



RAMP "L"



RAMP "M"



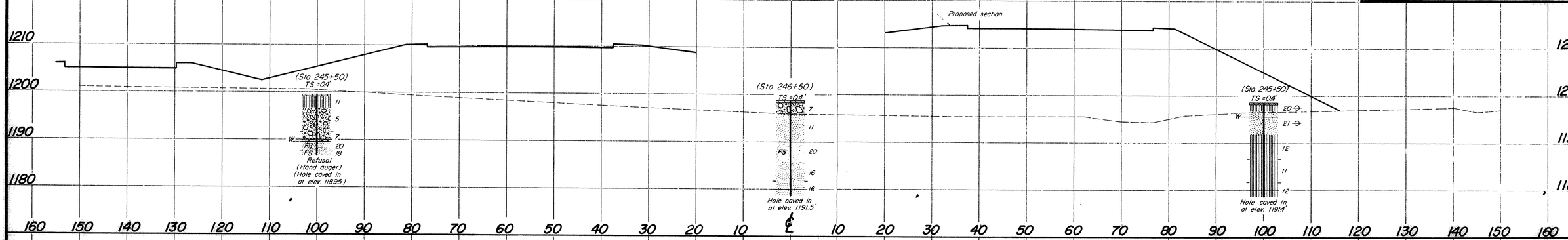
TE 54 B
800 4 60

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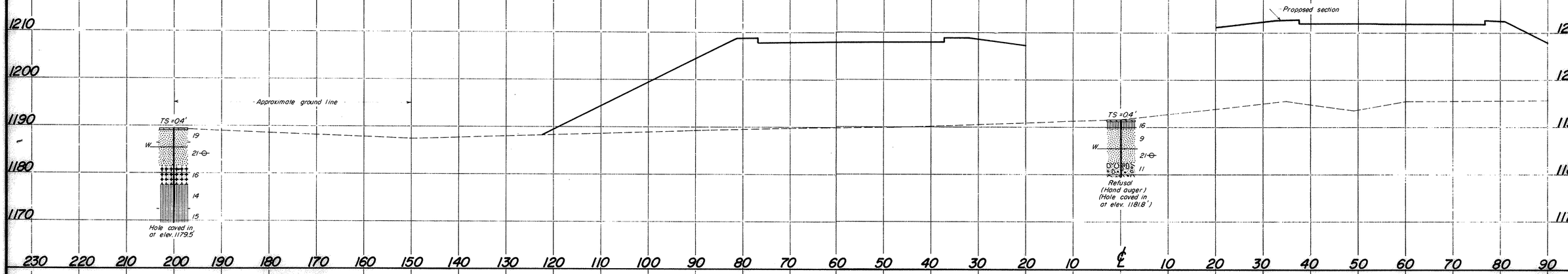
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS. COLUMBUS. OHIO

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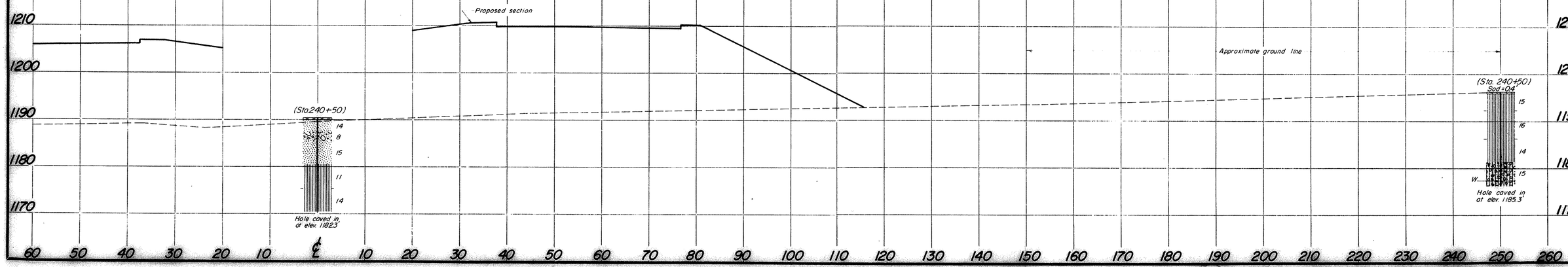
Cross Section Sta. 246+00



Cross Section Sta. 242+00



Cross Section Sta. 240+00

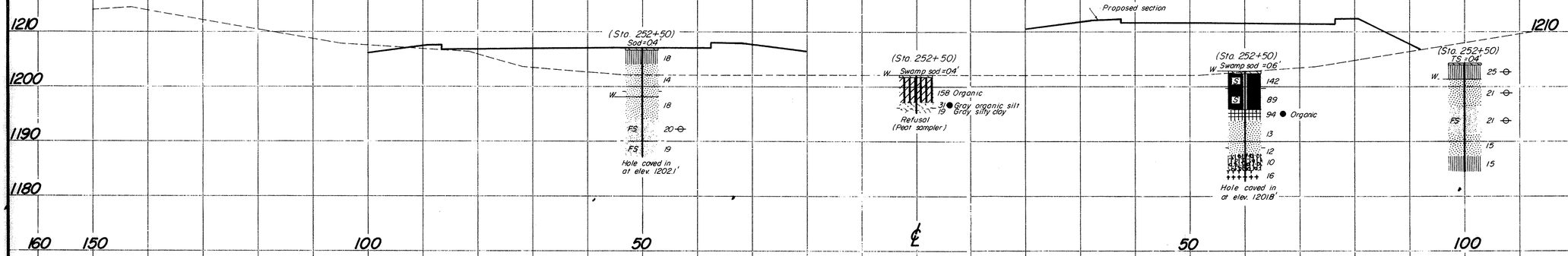


TE.54 B
800 4 60

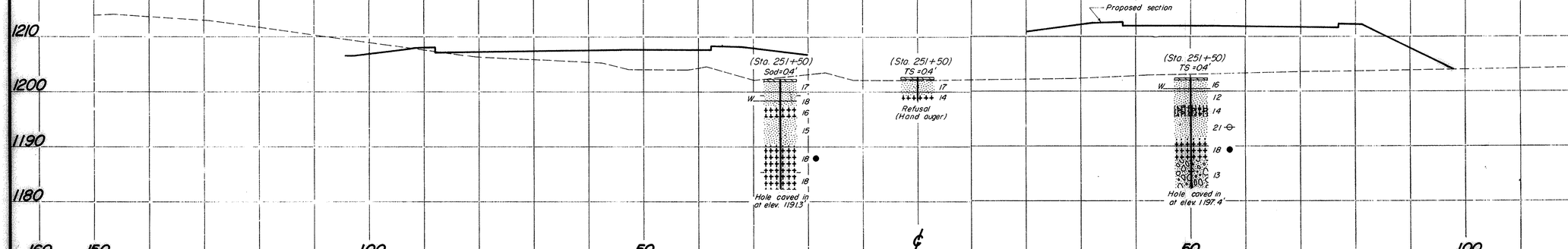
SOIL PROFILE
SUMMIT COUNTY
SUM-8-1.89
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

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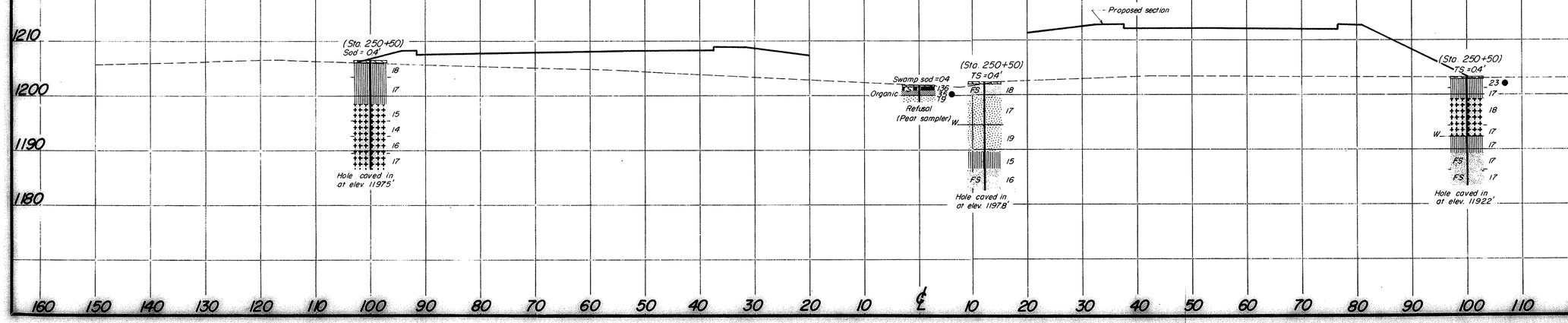
Cross Section Sta. 253+00



Cross Section Sta. 252+00



Cross Section Sta. 251+00



TE.54 B
800.4.60

SOIL PROFILE
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TESTING LABORATORY
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18/20

Cross Section Sta. 303+00

(Sta. 302+50) TS =1.0'
12
15
20
18
11
Hole caved in at elev. 1110.7'

Proposed section

(Sta. 302+50) TS =0.3'
28
22
W 17
22
15
13
Trace of organic
Refusal (Boulders)

(Sta. 256+50) TS =1.0'
17%
W
24
26
25
Refusal (Hand auger)

Cross Section Sta. 257+00

(Sta. 256+50) TS =1.0'
W
23
22
20
Refusal (Hand auger)

Proposed section

(Sta. 256+50) TS =0.2'
6
Refusal (Hand auger)

Cross Section Sta. 256+00

Approximate ground line

(Sta. 255+50) TS =0.4'
53 Organic
24 Trace of organic
12
19
Refusal (Hand auger)

(Sta. 255+50)
W
22%
145
13%
103
Gray silty clay
Silty sand and gravel
47
13
Refusal (Peat sampler)

Gray silty sand and gravel
18
Refusal (Peat sampler)

(Sta. 255+50) Swamp sod=0.4'
W
198
232
89 Organic
75
Gray organic silt
Gray organic silty sand
23
Refusal (Peat sampler)

(Sta. 255+50) TS =0.4'
173 Organic
W
46 Slightly organic
20 Organic
Refusal (Hand auger) (Hole caved in at elev. 1197.9')

Proposed section

Cross Section Sta. 255+00

(Sta. 254+50) Swamp sod=0.4'
Brown organic silt
W
64
44 Slightly organic
26
Gray silty sand
Refusal (Peat sampler)

(Sta. 254+50) W. Swamp sod=0.3'
423
330
118
Gray organic silt
38
Grayish-black silt
30
Gray silty sand
Refusal (Peat sampler)

(Sta. 254+50) W. Swamp sod=0.3'
515
258
177
93
22
Gray organic silty sand
Refusal (Peat sampler)

Proposed section

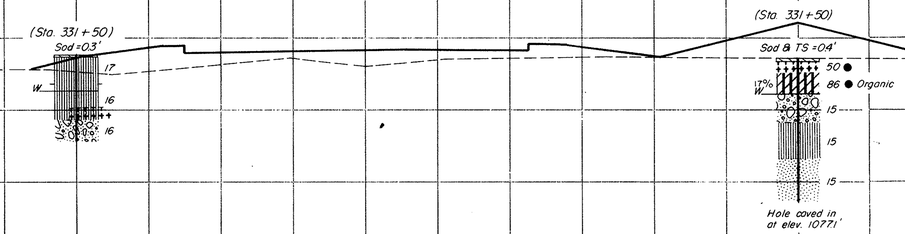
(Sta. 254+50) TS =0.4'
25
W
15
19
17
Refusal (Hole caved in at elev. 1202.2')

TE 54 B
800 4 60

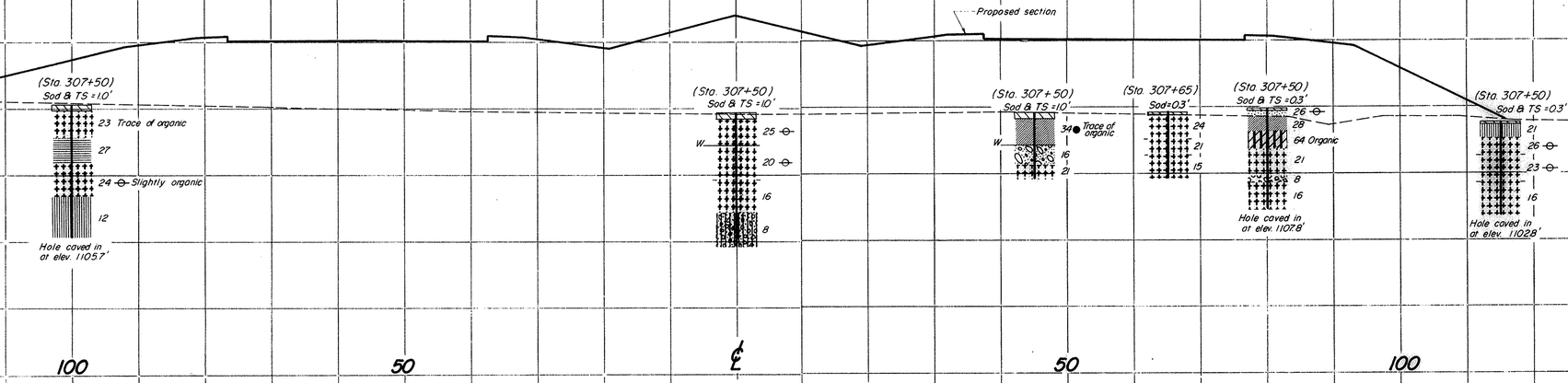
SOIL PROFILE
SUMMIT COUNTY
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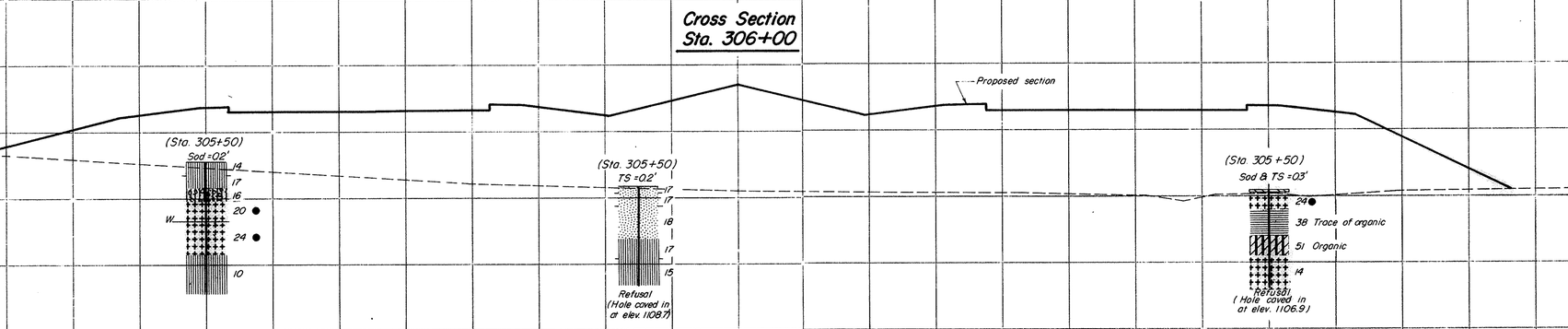
Cross Section Sta. 332+00



Cross Section Sta. 308+00



Cross Section Sta. 306+00



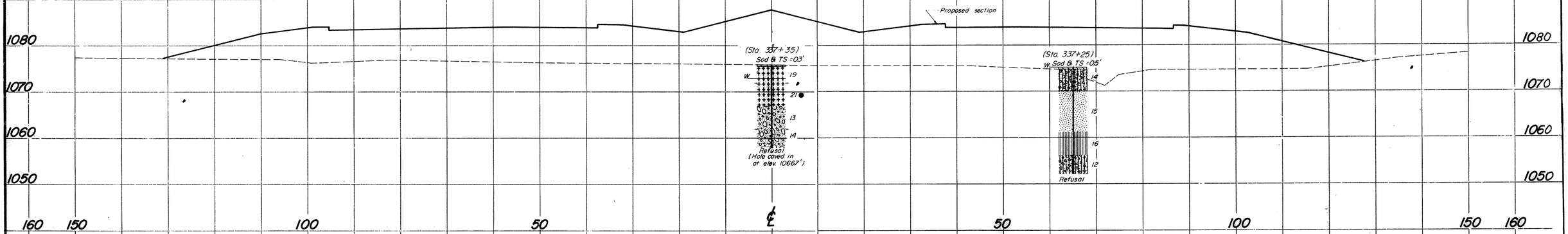
TE 54 B
800 4 60

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Cross Section Sta. 337+00



Cross Section Sta. 334+00

