STATE OF OHIO
DEPARTMENT OF HIGHWAYS

SN-FA-F-556(7)
FG-556(7)
F-16(2)

Note:- Wherever the designation "F-556(7)" appears in these plans it shall be understood to mean "SN-FA-F-556(7)"

NOTE: Right of Way Corrections made in Red Ink on Jan. 7, 1949 and affects the following Sheets - 22, 25, 27, 29, 30, 31, 32, 36, 37, 38, 39, 40, 41, 45, 50, 55, 56, 57, 58, 61, 62, 64, 65, 68, 18, 19

FED. RD. DIVISION	STATE	PROJECT	SHEET PURPOSE
2	OHIO	F-556(7) FG-556(7) F-16(2)	FINAL PLANS

CLARK COUNTY
CLA. 40-(15.18-23.88)

4-15

CLA.40-(15.18-23.88)
CLARK COUNTY

SPRINGFIELD & HARMONY TOWNSHIPS
CITY OF SPRINGFIELD & VILLAGE OF VIENNA
INCLUDING THE RECONSTRUCTION OF THE EXISTING
SEPARATED CROSSING WITH THE D.T. & I. R.R. ON S.H. Nº 1

LIMITATION OF ACCESS:-
THIS IMPROVEMENT HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR OF HIGHWAYS, RECORDED IN VOL. 35, PAGE 212 OF THE DIRECTORS JOURNAL IN ACCORDANCE WITH THE PROVISIONS OF SEC. 1178-21, GENERAL CODE OF OHIO.

Above Note Added 4-27-50 H.W.

Note:- Right of Way in parcel 58 revised 3-30-51 See sheet No 64. C.A.S.

Note:- Right of Way Corrections made on Sheet 65 4-6-51 H.W.

Note:- R/w Parcel 18A shown on Sheet 50 by R.E.C. 3-17-53

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 necessary 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 of the highway to traffic and that provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates.

APPROVED Oliver M Leggitt
DATE: 11-12-48 DIVISION DEPUTY DIRECTOR

APPROVED
DATE: _____ CHIEF ENGINEER, BUREAU OF MAINTENANCE.

APPROVED g V Logue
DATE: 11-19-48 CHIEF ENGINEER, BUREAU OF BRIDGES AND R.R. CROSSINGS

APPROVED George J. Thornuyer
DATE: 11-24-48 CHIEF ENGINEER, BUREAU OF LOCATION AND DESIGN.

APPROVED
DATE: 11-24-48 FIRST ASS'T. DIRECTOR AND CHIEF ENGINEER

APPROVED Earl L. Reed
DATE: 11-24-48 DIRECTOR OF HIGHWAYS.

R/W corrections made on sheets 27, 28, 41, 42, 43, 53 & 59 identifying Parcels 26-T, 108-A, 108-B, 46-C, 46-X, 51-RP & 57-X. 4-14-51 G.W.S.

RECOMMENDED FOR APPROVAL DATE

DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

APPROVED DATE

DIVISION ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

INDEX OF SHEETS

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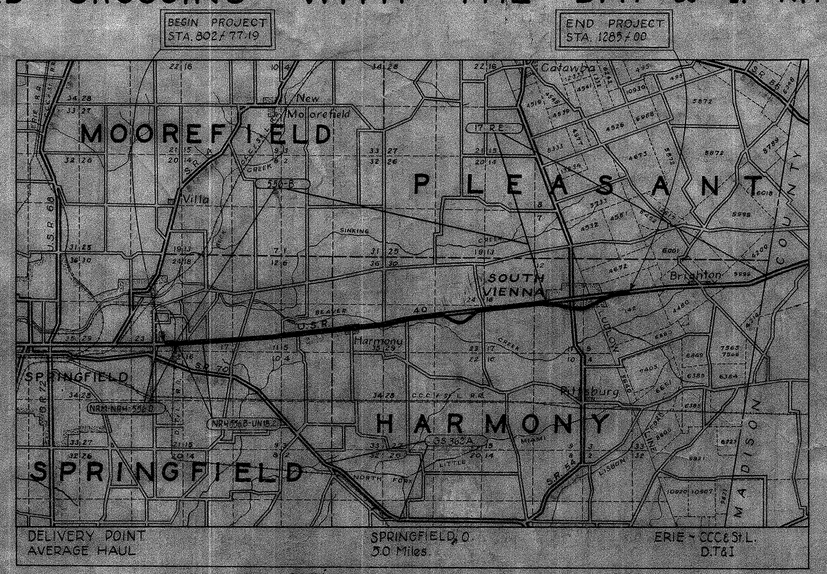
THE FOLLOWING SUPPLEMENTAL SHEETS HAVE BEEN ADDED TO PLAN.

12/12/51	H.W.		
174A	195D	215B	
175A	197A	215C	
176A	197B	215D	
177A	200A	215E	
178A	201A	215F	
179A	201B	227A	
187A	201C		
188A	201D		
189A	212A		
195A	212B		
195B	213A		
195C	215A		

CONVENTIONAL SIGNS

COUNTY LINE
TOWNSHIP LINE
SECTION LINE
CORPORATION LINE
CENTER LINE
POLE LINE — TELEPHONE / TELEGRAPH — POWER — LIGHT
STEAM RAILROAD
HEDGE
DRAIN PIPE (NEW)
DRAIN PIPE (OLD)
GUARD RAIL (NEW)
GUARD RAIL (OLD)
PROPERTY LINE



LOCATION PLAN

SCALE — ½ = 1 MILE
PORTION TO BE IMPROVED
STATE HIGHWAYS
OTHER ROADS

CONSTRUCTION BUREAU
JUN 1 1956
GROUND PHOTOLAB

SCALES

PLAN — 1" = 50'
PROFILE HORIZONTAL — 1" = 50'
PROFILE VERTICAL — 1" = 5'

LINE DATA

Begin F-556(7) and Project Sta. 802+77.19
End F-556(7) Sta. 947+60.00

Gross Length of F-556(7)	=	14,482.81 Lin.Ft.	
Deduct FG-556(7) Sta. 814+42.38 to Sta. 815+29.31	=	86.93 Lin.Ft.	
Net length of F-556(7)	=	14,395.88 Lin.Ft.	or 2.726 Miles.
Net length of FG-556(7) (see above)		86.93 Lin.Ft.	or 0.016 Miles

Begin F-16(2) Sta. 947+60.00
End of F-16(2) & Project Sta. 1285+00.00
No Additions or Deductions

Net length of F-16(2)	=	33,740.00 Lin.Ft.	or 6.390 Miles
Net length of Project	=	48,222.81 Lin.Ft.	or 9.133 Miles
Beginning of Work	Sta. 802+25		
End of Work	Sta. 1293+00		
No Additions or Deductions			
Net Length of Work	=	49,075.00 Lin.Ft.	or 9.294 Miles
Begin Municipal Springfield	Sta. 802+77.19		
End Municipal Springfield	Sta. 815+17.00		
Length Springfield (Pt.)	=	1239.81 Lin.Ft.	
Begin Municipal Vienna	Sta. 1209+00.00		
End Municipal Vienna	Sta. 1262+48.5		
Length Vienna	=	5348.50 Lin.Ft.	
Net Length of Municipal	=	6588.31 Lin.Ft.	or 1.248 Miles
Net Length of Project	48,222.81		
Less Municipal	6588.31 =		
Net Length of Rural	=	41,634.50 Lin.Ft.	or 7.885 Miles.

4-15
15.18-24.31

FILE NUMBER
CLARK COUNTY — CLA. 40-(15.18 - 23.88)
DATE OF LETTING
CONTRACT NUMBER

SUPPLEMENTAL PRINTS OF STANDARD DRAWINGS

S-27 PC 3	2-20-45	I-8 M.H. Nº 1	S-1-47	I-8 M.H. Nº 3A 7-1-47
S-27 PC 1	3-1-39	G-807	2-1-47	T-15 No 0 2-1-47
STC 47	9-18-47	I-1,2,3,4,5	2-20-45	P-J No 2 6-1-46
SA 48	7-30-48	I-12	3-15-46	P-J No 1 2-10-46
I-8 CB No 1-3 & 1-4	12-15-41	I-15 No 1	3-1-47	BT-71-R 2-1-47
I-8 CB 1-2 ACB	12-15-41	I-15 No 2	2-1-47	L-1 10-1-45
I-8 CB No 7	5-1-47	I-15 No 4	2-1-47	L-3 2-1-47
I-8 CB Nº 3-A	12-15-41	I-15 No 5	2-1-47	AS-4-47 2-13-47
I-8 CB Nº 2-2A & B	12-15-41	I-15 No 6	2-1-47	BT-50-70-71E No 1 10-1-47
I-8 CB Nº 1-A	9-2-41	I-15 No 7	2-1-47	P146 7-1-47

SUPPLEMENTAL SPECIFICATIONS

NUMBER	DATE	NUMBER	DATE
S-303	12-20-46		
112 Rev.	11-6-46		
T-110 Rev	8-3-36		
M-110.23	Rev. 1-3-47		

I-8 I Nº 1 5-1-39
L.B. - 45 - 7 - 46 8-1-45

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-566(7) FG-556(1) F-19(2)	POST WAR

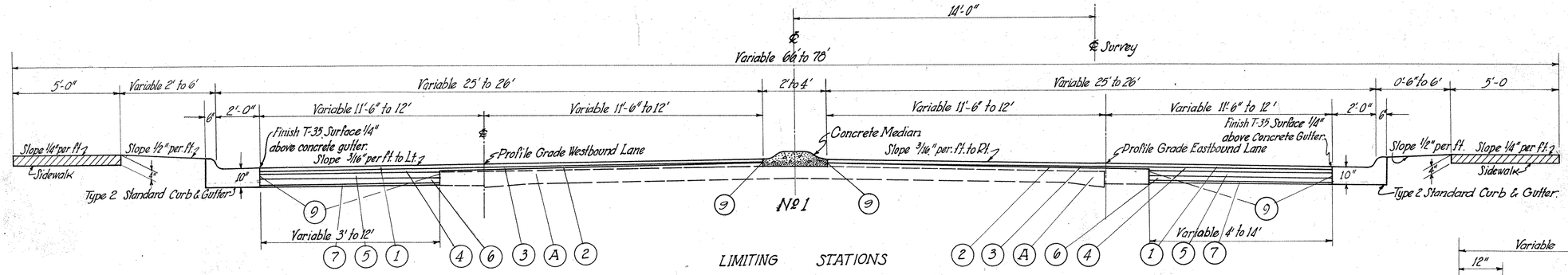
2 / 227

CLARK COUNTY
CLA. 40-(15.18-23.88)

TYPICAL SECTION

TYPE T-35

Scale 3/8"=1'-0"

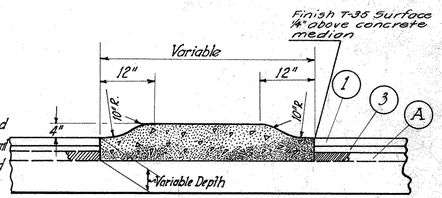


LIMITING STATIONS

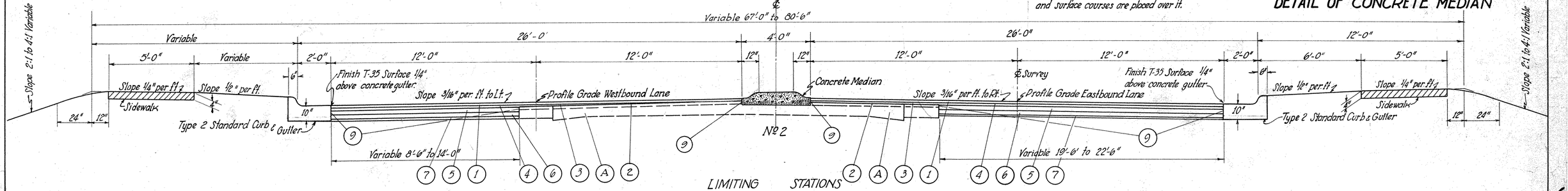
* Sta. 802+77.19 to Sta. 804+98.62 = 221.43 Lin.Ft.

Note:
Pavement removal and replacement to be included in price bid for Portland Cement Concrete Median Pavement, Item I-21

Note:
Existing Asphaltic Concrete Surface to be removed as required and Median placed on Existing Portland Cement Concrete Pavement. After median is placed, existing surface which has been removed adjacent to median as indicated by cross hatched area, shall be replaced with asphaltic Concrete before full width leveling and surface courses are placed over it.

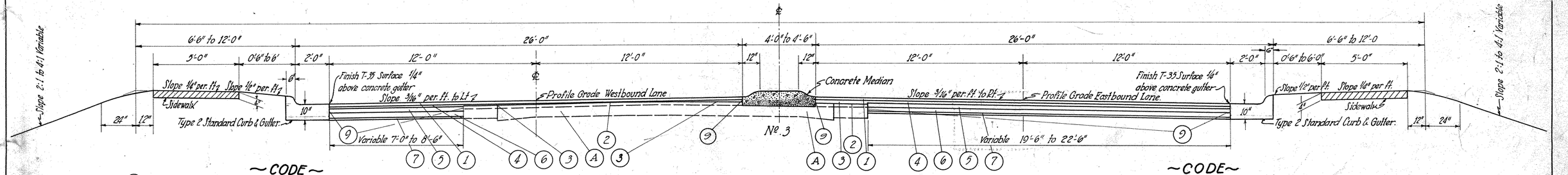


DETAIL OF CONCRETE MEDIAN



LIMITING STATIONS

* Sta. 804+98.62 to Sta. 813+78.55 = 879.93 Lin.Ft.



LIMITING STATIONS

* Sta. 813+78.55 to Sta. 814+42.38 = 63.83 Lin.Ft.

Note: Bridge Limits from Sta. 814+42.38 to Sta. 815+29.31.

* Where the bottom of the first base course in widened areas is above the ground line as shown on the cross sections, the area between the ground line and the first base course shall be built of classified embankment material, Item 33-112.

~CODE~

(1) Item T-35 1½" Asphaltic Concrete Surface Course Type "A."
(2) Item T-30 Bituminous Tack Coat.
* (3) Item B-35 Variable Depth ½" to 3" Asphaltic Concrete Leveling Course.
* (4) Item B-35 1½" Asphaltic Concrete Leveling Course.
(5) Item B-35 3" Asphaltic Concrete Second Base Course.
* Item (3) and (4) may be placed together in one operation.

~CODE~

(6) Item B-35 3" Asphaltic Concrete First Base Course.
(7) Item T-19 1¼" Insulation Course.
(8) Item T-71 Prop. 8" Reinforced Portland Cement Concrete Pavement.
(9) Item E-8 Sealing
(A) Existing Concrete Pavement with 2" Asphaltic Concrete Surface Course and 2' of widening on both sides.

TYPICAL SECTION

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336(7) FA-336(7) F-16(2)	FOST WAR

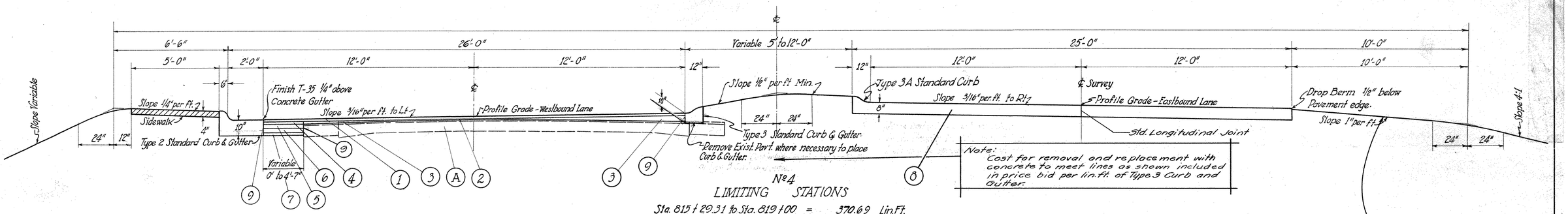
3 / 227

CLARK COUNTY
CLA. 40. ~(15.18 - 23.88)

TYPICAL SECTION

TYPE T-71 & T-35

Scale 3/8" = 1'-0"



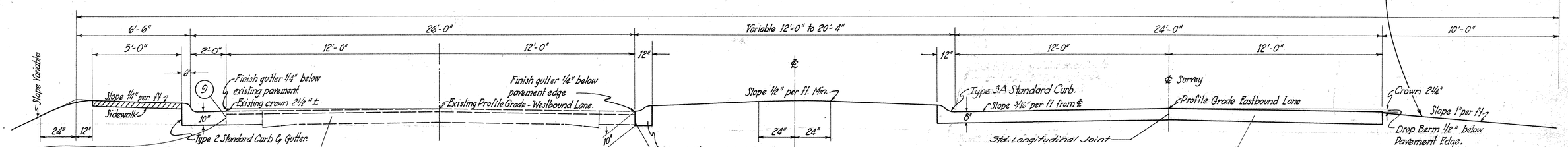
Nº 4

LIMITING STATIONS

Sta. 815 + 20.31 to Sta. 819 + 00 = 370.69 Lin. Ft.

Sidewalk and Curb & Gutter on left extends to Sta. 822+50

NOTE: Berms and Slopes same as for typical sections Nº 6 & 7.



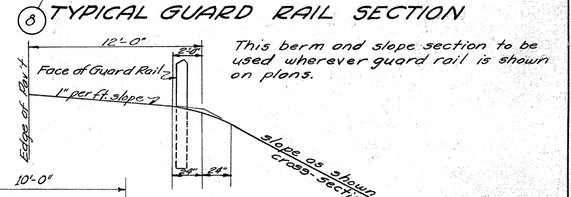
NOTE: Where proposed concrete curb & gutter is placed adjacent to existing Asphaltic Concrete pavement, the existing pavement shall be trimmed to a neat line and seated in accordance with Item E-8 before curb & gutter is placed. After curb & gutter is placed any damage to existing pavement surface shall be neatly repaired with Asphaltic concrete. Cost of this work to be included in price bid for Item E-8 and I-12.

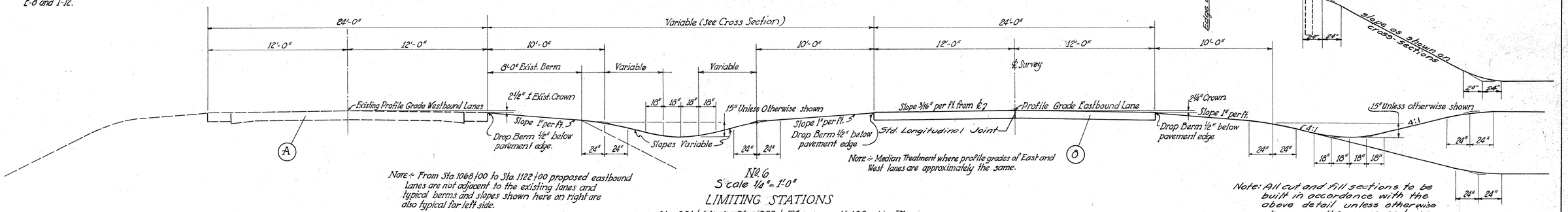
Nº 5

LIMITING STATIONS

Sta. 819 + 00 to Sta. 821 + 44 = 244 Lin. Ft.

TYPICAL GUARD RAIL SECTION





Note: From Sta. 1068+00 to Sta. 1122+00 proposed eastbound lanes are not adjacent to the existing lanes and typical berms and slopes shown here on right are also typical for left side.

Nº 6

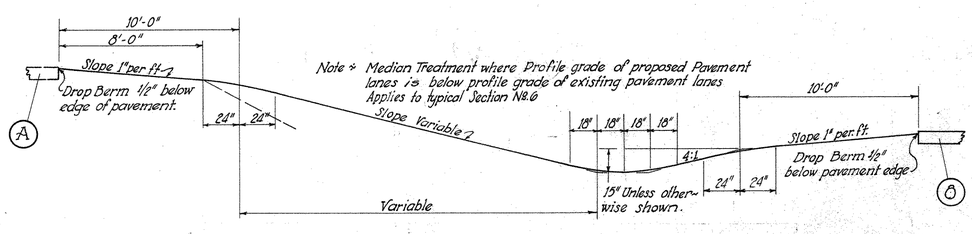
Scale 1/4" = 1'-0"

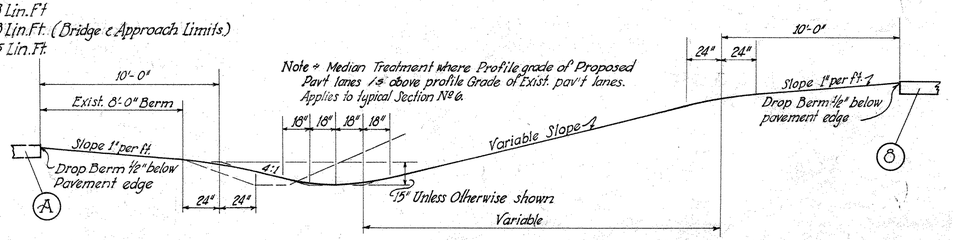
Note: Median Treatment where profile grades of East and West lanes are approximately the same.

Note: All cut and fill sections to be built in accordance with the above detail unless otherwise shown on the cross-sections.

LIMITING STATIONS

Sta. 821+44 to Sta. 982+74	=	16,130 Lin. Ft.
Sta. 1013+51.47 to Sta. 1031+12.65	=	1,761.18 Lin. Ft.
Sta. 1031+12.65 to Sta. 1032+10.65	=	100.33 Lin. Ft. (Bridge & Approach Limits)
Sta. 1032+10.65 to Sta. 1205+20	=	17,339.35 Lin. Ft.





TYPICAL SECTION

TYPICAL SECTION

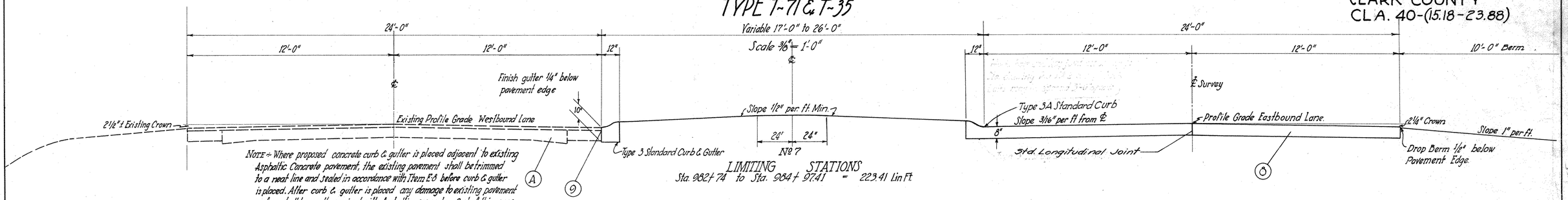
TYPE T-71 & T-35

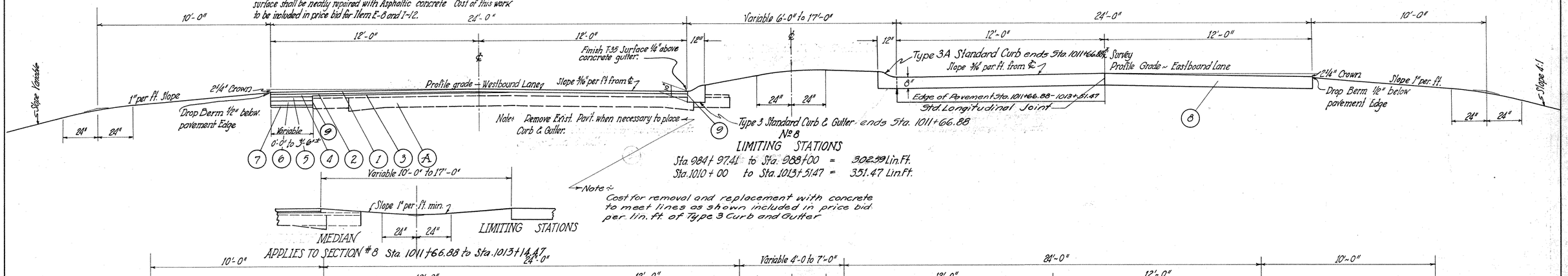
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356(7) FG-526-(7) F-16(6)	POST WAR

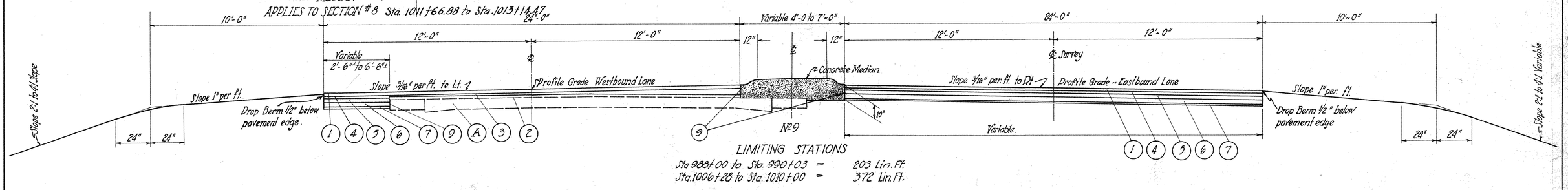
4 / 227

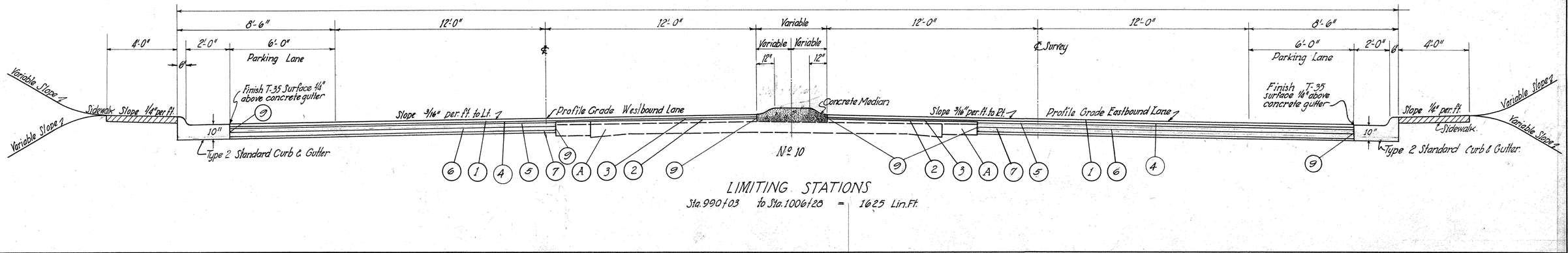
CLARK COUNTY
CL A. 40-(15.18-23.88)

Scale 3/8" = 1'-0"









TYPICAL SECTION

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556(7) FG-556(7) F-16(2)	POST WAR

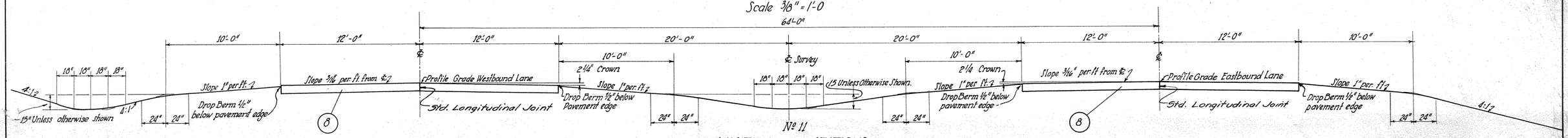
5
227

CLARK COUNTY
CL A. 40-(15.18-23.88)

TYPICAL SECTION

TYPE T-71 & T-35

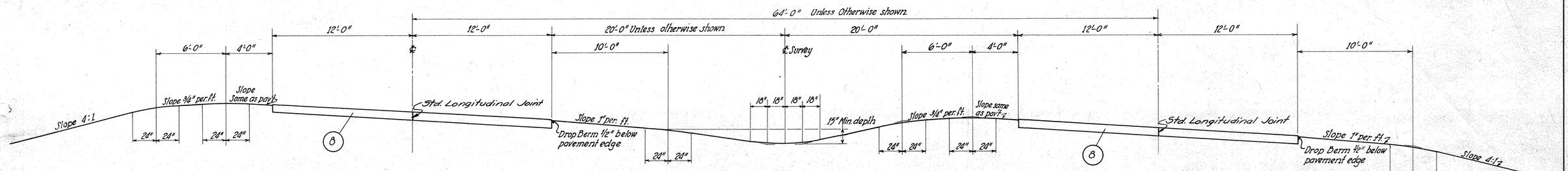
Scale 3/8" = 1'-0



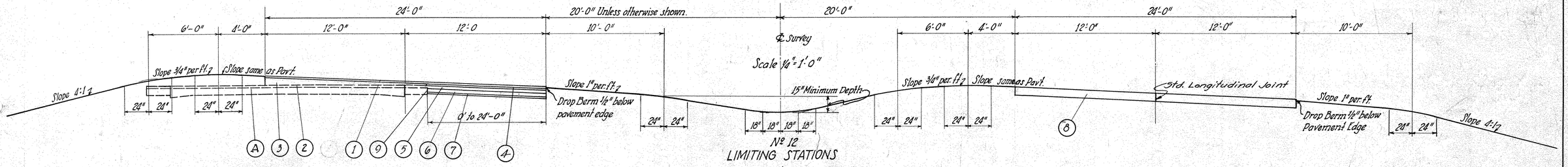
№ 11

LIMITING STATIONS

Sta. 1214+00 to Sta. 1276+45 = 6,245 Lin. Ft.



METHOD OF SUPERELEVATING TYPICAL SECTION № 11



№ 12

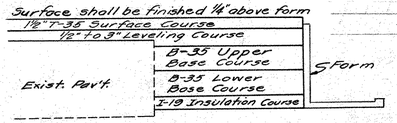
LIMITING STATIONS

Sta. 1276+45 to Sta. 1285+00 = 855 Lin. Ft.
Sta. 1205+50 to Sta. 1214+00 = 850 Lin. Ft.

CLASSIFIED EMBANKMENT MATERIAL SS-112

For location see cross sections

FORM & COURSE DETAIL



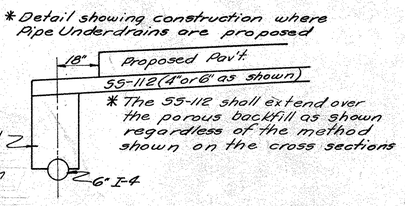
Side forms set and maintain to line and grade established by the Engineer will be required. Subgrade for forms shall be compacted in accordance with Sec. E-108 of the Construction and Material Specification. The forms shall be braced in a manner to prevent lateral and vertical movement.

Permissable Grading modification for SS-112 Classified Embankment

Sieve	Total % Passing
3 inch	100
2-inch	65 to 100
1 inch	50 to 100
No.10	25 to 75
No.50	0 - 20

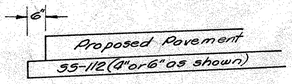
Material meeting the above grading requirements or the requirements shown in the Specifications may be used for SS-112 Classified Embankment.

* Detail showing construction where Pipe Underdrains are proposed

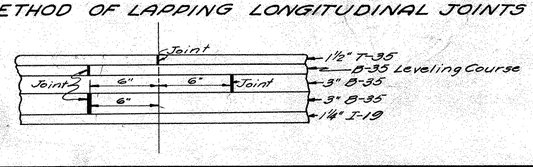


* The SS-112 shall extend over the porous backfill as shown regardless of the method shown on the cross sections

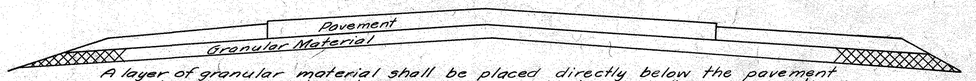
Detail showing construction where Pipe Underdrains are not proposed



METHOD OF LAPPING LONGITUDINAL JOINTS

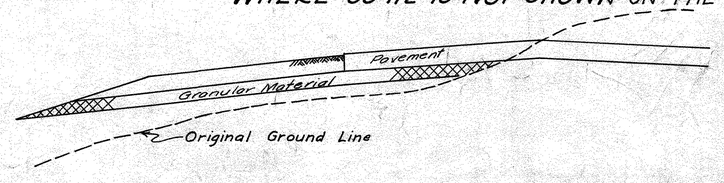


DETAIL SHOWING TREATMENT OF ALL EMBANKMENT FULL WIDTH EMBANKMENT



A layer of granular material shall be placed directly below the pavement for all embankment sections as shown. The layer shall be 6 inches thick under concrete pavement and 9 inches thick under bituminous pavement. (See note on general note sheet) The cost of building the granular material layer is included in the price bid for E-1 Roadway Excavation or E-4 Borrow

PART WIDTH EMBANKMENT WHERE SS-112 IS NOT SHOWN ON THE PLAN.



TYPICAL SECTION

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-556-7 FS-556-7 F-16-2	POST WAR

6
227

CLARK COUNTY
CLA-40-(15.18-23.88)

GENERAL NOTES

GENERAL

UTILITIES :- The Contractor shall notify at least 48 hours before breaking ground, all Public Service Corporations having wires, poles, pipe, conduits, manholes or other structures that may be affected by this operation including all structures which are affected not shown on these plans. Any and all work required for public or private utilities will be done by and at the expense of their respective owners, unless otherwise noted in these plans.

EXISTING UNDERGROUND APPURTENANCES : The location, size and depth of all existing pipe and underground utility appurtenances represents the best information obtainable, but the State of Ohio does not guarantee the correctness thereof. Payment for pipe removed will be made according to listings shown on these plans.

FIELD OFFICE : A field office shall be furnished by the contractor at a convenient place for the exclusive use of the Engineer and his assistants. It shall have a minimum floor area of 150 Sq. Ft. It shall be the Contractor's responsibility to provide ample light and to equip and heat it as per sec. 5-0.01(b) of the Construction and Material Specifications. The Contractor shall have a telephone installed and maintained during construction of this project. Payment for the above shall be included in the Contract Unit Price bid for the various items of the contract.

TRAFFIC : Two-way traffic shall be maintained during as much of the period of construction as possible and at least one-way traffic shall be maintained at all times. One-way traffic will be permitted only for short distances and intervals at the direction of the Engineer. When one-way traffic is permitted the contractor will be required to provide signalmen 24 hours per day at each end of every one-way traffic lane.

The Contractor's plan of conducting the work and scheduling of operations affecting the maintenance of traffic, when and where required, shall be submitted in writing to the Engineer and approved by him well in advance of all operations which affects the normal flow of traffic.

The maintenance of traffic shall be entirely the responsibility of the Contractor and shall be in accordance with the pertinent sections of the construction and material specifications, dated January 1, 1948, payment for all labor, material and incidentals necessary for carrying out these provisions except Item T-110 and Calcium Chloride Item M-10, shall be included in the "lump sum price bid for, Maintaining Traffic, including lights, signs and barricades."

In addition to the above Sec. G-4.05 (Maintenance of Local Traffic) of the Construction and Material Specifications shall be in force during the entire life of the contract.

ESTIMATED

Aggregate for Temporary Roadway
Item T-110 2000 Cu. Yds.
Item M-10 Calcium Chloride 40 Tons

PIPE REMOVALS : Pipe removals shall be as indicated on the plan, or as directed by the Engineer.

Payment shall be based on the estimated quantity shown on the plans. Pipe not specifically listed for removal lying within the limits of proposed excavation of either E-1, E-2 or E-3 is classified and paid for as excavation and shall be removed and disposed of by the Contractor.

SPECIAL DITCHES : For Special Ditch Grades see Cross-Section Sheets.

REMOVAL (Miscellaneous) : The removal and disposal of any existing pavement, sidewalks, walls, curbs, pole stubs, ties, railroad rails, headwalls, pipes, abondoned anchors for guard rail, timber railroad overhead structure, or other masonry lying within or below the limits of an excavation item (and not specifically paid for under a separate item) are classified as excavation and paid for under the excavation item of which they are a part. Additional excavation necessary to perform any of the above operations shall be paid for at the contract unit price bid per Cu. Yd. for Roadway Excavation Item E-1, or Excavation for Structures Item E-2, or Channel Excavation Item E-3.

LENGTH OF PIPE SPECIALS : Pipe specials are assumed to be two feet (2') in length. If actual length of the pipe special used is less than two feet the Contractor will furnish enough extra pipe to make up the difference between the assumed and actual lengths, at the unit price bid for each special. If the actual length of the pipe special used is greater than two feet, the extra length of each pipe special, over and above the assumed length shall be paid for as lineal feet of pipe.

SEEDING AND PROTECTING TYPE "A" : Quantities for Seeding Item L-9 are calculated for the soil areas between lines ten feet (10') outside the work limits as shown on the cross sections or to the Right-of-Way Line if such line is less than ten feet from the work limits. All areas outside these limits, where the vegetative growth has been injuriously disturbed or destroyed by the Contractor, shall be restored and seeded in accordance with the provisions of Item L-9 by the Contractor at his own expense.

L-9 SEEDING AND PROTECTING ROADWAY AREAS : Optional method of holding mulch in place; the method of tying down the mulching material as shown on Standard Drawing L-3 may be replaced over suitable areas, as directed, by the use of a Seaman Pulvi-Mixer machine or equal, to incorporate the mulching material with the soil. Any area not treated with the machine shall have the mulching material secured by the usual method shown on the Standard Drawing.

STANDARD I-8 CATCH BASINS NO. 2-2A (Modified) : All Standard I-8 Catch Basins No. 2-2A shall be modified by omitting the side openings.

MILE POST MARKER REPLACEMENT : Mile posts now located along present route will be removed and reset by Division Maintenance Forces.

CLASSIFIED EMBANKMENT MATERIAL SS-112 : Material meeting the grading requirements of Item SS-112 may be obtained from natural gravel deposits located on each side of Newlove Road approximately one half mile south of U.S.R.40. Average Haul approximately 3 miles.

FINISHING SHOULDERS, SLOPES AND DITCHES : Final earthwork sections shall be finished by rounding breaks in the shoulders, ditches, and backslopes as shown in the typical sections.

SEPTIC TANKS, CESSPOOLS, WELLS ETC. : All septic tanks and cesspools located within the limits of the proposed right-of-way shall be abandoned in the following manner. Lids or top covers shall be removed, sanitary waste removed, and the unit backfilled with suitable earth. Payment shall be in accordance with the unit price bid for abandoning septic tanks and cesspools as per plan. Tops of abandoned wells shall be removed and the well backfilled with suitable earth. Payment shall be included in the price bid for E-1 Excavation or E-4 Borrow. All backfilling shall be in accordance with the Construction and Material Specifications dated January 1, 1948

SALVAGED MATERIAL : All material shown on these plans to be removed and stored shall be stored on the right of way for disposal by State Maintenance Forces

ELEVATION DATUM : All elevations shown are based on U.S.G.S. datum.

COMBINATION CURB AND GUTTER : ITEM I-12 Expansion joint material in concrete curb and gutter shall meet the requirements of Sec. M-10.02 or Sec. M-10.03 of the Construction and Material Specifications.

NO. 14A CATCH BASINS MODIFIED : No. 14A catch basins shall be built with the bottom meeting the flow line elevation of outlet pipe and no sump provided.

SALVAGE OF ORGANIC MATERIALS: Organic materials located between Stations 1015+25 & 1020+00, 1070+65 & 1072+25, 1088+25 & 1090+75 or elsewhere on this project considered as unstable foundation material shall be salvaged for incorporation into the upper 2 inches of the shoulders slopes & ditches as provided for in Item E 1.03 of the Construction & Material Specifications.

REMOVAL OF TREES & STUMPS: The lump sum bid for removal of trees & stumps shall include all trees & stumps, 12" and over, located within the limits of the proposed right of way, which are designated for removal by the Engineer.

GRANULAR MATERIAL: Granular material as defined in sec. E-103 of the Construction & Material Specifications will be encountered in cut sections approximate sta. 973+50-980+50 & sta 1102+00-1105+25 and may be used for the granular layer shown on typical section sheet.

STRUCTURES

PIPE CULVERTS : When bell and spigot pipe is used, any necessary pipe cutoffs will be made at the spigot end of the length of pipe adjacent to the end length. When tongue and groove pipe is used, the length of pipe next to the end length shall be cut and butt joint formed with a collar as shown below. Cost of the joint and collar to be included in the price bid per lineal foot of pipe.

SALVAGE OF EXISTING CATCH BASIN, AND INLET CASTINGS : The castings of all existing catch basins and inlets removed or abandoned under Items E-1, E-2, E-3, E-12 and I-16, shall be removed and stored on the right-of-way for disposal by the State Maintenance Forces.

FERTILIZER, LIMESTONE, SEEDING & SODDING - 10-6-4 Fertilizer & Agricultural ground Limestone to be used on all seeded & sodded areas.
Sod to be used around catch basins & other structures & in ditches at the direction of the Engr.

PAVEMENT

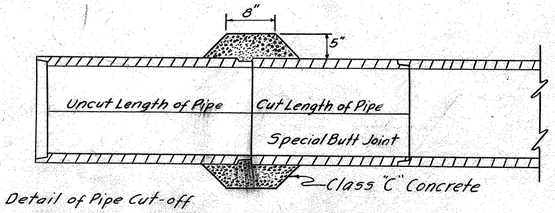
B-11 COMPACTING : The stabilized mixture shall be spread to the specified width and in accordance with Sec. B-11.14 of the Construction and Material Specifications to such loose depth that when compacted the thickness of the layer shall not exceed four (4) inches.

SUPERELEVATION : Superelevated curves shall be built without crown. The crown shall be worked out of the pavement in that portion between the beginning of the transition and the point where the superelevation equals twice the crown.

PROFILE : Profile grade shown is profile of finished pavement.

FORMS : Side forms set and maintained to line and grade established by the Engineer will be required. Subgrade for forms shall be compacted to the density required for subgrade under widenings. The forms shall be braced in a manner to prevent lateral and vertical movement.

SEALING - In addition to the requirements of Sec. E 8.04 Sealing Joints edges of curb and portland cement concrete pavement to be sealed shall be thouroughly cleaned before applying the sealing agent.



Detail of Pipe Cut-off

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-1K-2	POST WAR

7
227

CLARK COUNTY
CLA. 40-(15.18-23.88)

DRIVE AND ROAD APPROACHES

Plan and Profile Sheet No.	Ref. No.	Station	Side	E~8 Sealing Joints Lin Ft.	B~11 6" Stabilized Base Course Sq. Yds.	B~35 2~3" Asph. Conc. Base Courses Sq. Yds.	B~35 1½" Asph. Conc. Level Course Sq. Yds.	B~35 Variable Depth Asph. Conc. Level Course Sq. Yds.	T~30 Bituminous Prime Coat .25 Gal. per Sq. Yd. Sq. Yds.	T~30 Bituminous Tack Coat .10 Gal. per Sq. Yd. Sq. Yds.	T~32 90# Bitum. Road Mix Surf. Course Sq. Yds.	T~35 1½" Asph. Conc. Surf. Course Sq. Yds.	T~71 8" Reinforce Portland Cem. Conc. Pav't. Sq. Yds.	I~12 Type 2 Conc. Curb & Gutter Lin. Ft.	I~17 Side Appr. Mail Box Turnout & Berm Mat 4 Cys Sq. Yds.	I~19 Insulation Course Sq. Yds.	I~12 Type № 3 Conc. Curb & Gutter 24" Batt. Lin. Ft.	E~8 Removal of Exist. Pav't. Sq. Yds.	I~13 Concrete Sidewalk Sq. Ft.	I~1 Pipe for Driveways Lin Ft. 8"	12"	15"	18"	24"	30"	Remarks
22	1~A	802+25 to 802+77.19	Rt&Lt.			40.7	40.7	242.3				283		96		40.7			156.1							Beginning of Project & Tapered Pav't.
22	2~A	802+83	Rt.										23.6													Private Drive
	3~A	803+80	Rt.										37.9													" "
	4~A	804+59	Rt.										37.2													" "
	5~A	805+04	Lt.										39.3													" "
	6~A	805+59	Rt.										46.9													" "
	7~A	806+16	Rt.										46.9													" "
	8~A	808+44.72	Rt&Lt.		694				694		830		754	440												Fostoria Ave. South
	9~A	806+26.6 to 806+52	Rt.																312							Replace Walk in Front of Bldg.
	1~A	812+50	Rt.										32.5		58.6											Private Drive
	TOTAL FOR F-556-7 MUNICIPAL				694	40.7	40.7	242.3	694		830	283	1018.3	536	58.6	40.7			468.1							
24	1~A	821+76.42	Rt.		214				214		206		461	354												4th. Avenue
	2~A	828+36.60	Lt.		184	22	18		184		180	18	545	358		22										Old Columbus Rd.
	3~A	828+36.60	Rt.		305.4				305.4		293.7				139.3											Service Rd. Appr. & Rd.
25	1~A	833+50	Lt.										200.4													Median X-over
	2~A	833+50	Rt.		1493.2				1493.2		1443.4				687.2											X-Over & Service Rd. Rt. 55'
26	1~A	840+00 to 850+00	Rt.		1388.8				1388.8		1333.3				666.6											Service Rd.
* 27	1~A	853+12	Lt.		1818				1818		1774		613	376												Tuttle Rd.
	2~A	853+12	Rt.		511.8				511.8		491.8				237.7											Service Rd. & Appr.
	3~A	859+28	Rt.												78.5											Private Dr. to Field
28	1~A	862+16.48	Lt.			22	284	187				471	327	376		22										To Garden Acres Sub-Div.
	2~A	862+48	Rt.												55.8											Private Dr.
	3~A	862+72.5	Rt.												61.1											" "
	4~A	863+67	Rt.												92.3											" "
	5~A	867+38	Rt.												97.6											" "
29	1~A	870+42.20	Lt.			22	187	322				509	336	361		22										Drive to Garden Acres Sub-Div.
	2~A	872+39	Rt.												77.4											Private Dr.
* 30	1~A	880+83.75	Rt+Lt.		110				110		107		1202	757												Bird Rd.
	2~A	884+88	Rt.												86.9								42			Private Dr.
	3~A	888+47	Rt.												117.4											" "
	4~A	890+00	Rt.										130.9		70.2											Private Dr. & X-Over
31	1~A	892+01	Rt.												127.4					40						Private Drive
	2~A	894+94	Median										130.9													Median X-Over
	3~A	895+00	Rt.												94.1					40						Private Dr.
32	1~A	903+79	Rt.												77.4											Private Dr.
	2~A	905+73	Rt.										489													Drive-in-Theatre Dr.
33	1~A	911+10	Rt.										462.5													Drive-in-Theatre Dr. & X-Over
	2~A	914+70	Rt.												104.1								41			Private Dr.
34	1~A	920+62	Rt.												85.2											Private Dr.
	2~A	924+10	Rt.												83.5					40						" "
	3~A	926+59.70	Lt.		301	22	18		301		293	18	593	353		22										Redmond Rd. & X-Over
35	1~A	934+75	Median										130.9													Median X-Over
	2~A	935+90	Rt.												76.9											Private Drive
36	1~A	945+74.55	Rt.		228	11	9		228		221	9	622	337		11										Titus Rd.
	TOTAL FOR F-556-7 RURAL				6554.2	99	516	509	6554.2		6343.2	1025	6243.6	3272	3116.6	99				120		83				
38	1~A	960+89.5	Rt.		88.2				88.2		85.2		178.2								44					Private Dr. & X-Over
39	1~A	972+74	Median										177.4													Median X-Over
	2~A	974+31	Rt.												85.2					26						Private Dr.
	3~A	975+42	Rt.												109.1					40						" "
	4~A	977+18	Rt.												99.9					38						" "
40	1~A	982+74	Rt.										63.4		117								50			Private Drive & X-Over
	2~A	984+72 to 984+97.41	Pav't.					67.7				67.7														Feathered Pav't.
	3~A	985+61	Lt.												62.5											Private Dr.
		Sub-Total			88.2			67.7	88.2		85.2	67.7	419		473.7					26	78	44	50			

DRIVE & ROAD APPROACHES

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FS-336-7 F-16-2	POST WAR

8
2.27

DRIVE AND ROAD APPROACHES (Continued)

CLARK COUNTY
CLA.40-(5.18-23.88)

Plan and Profile Sheet No.	Ref. No.	Station	Side	E-8 Sealing Joints Lin. Ft.	B-11 8" Stabilized Base Course Sq. Yds.	B-35 2-3" Asph. Conc. Base Courses Sq. Yds.	B-35 1 1/2" Asph. Conc. Level. Course Sq. Yds.	B-35 Var. Depth Asph. Conc. Level. Course Sq. Yds.	T-30 Bituminous Prime Coat .25 G per S.Y. Sq. Yds.	T-30 Bituminous Tack Coat .10 G per S.Y. Sq. Yds.		T-32 90# Bitum. Road Mix Surf. Course Sq. Yds.	T-35 1 1/2" Asph. Conc. Surf. Course Course Sq. Yds.	T-71 8" Reinf. Portland Cem. Conc. Pavt Sq. Yds.	I-12 Type "2 Cone Curb & Gutter Lin. Ft.	I-17 Side Appr. Mail B. Turnout & Berm M. & Os. Sq. Yds.	I-19 Insulation Course Sq. Yds.	I-12 Type No. 3 Conc. Curb & Gutter 24" Base Lin. Ft.	E-8 Removal of Exist. Pavt. Sq. Yds.	I-13 Concrete Sidewalks Sq. Ft.	I-1 Pipe for Driveways Lin. Ft. 8"	12"	15"	18"	24"	30"		Remarks.
	SUB-TOTAL (SHEET)				88.2			67.7	88.2			85.2	67.7	419		473.7					26	78	44		50			
40	4-A	386+12	Lt.													40													Private Drive
	5-A	388+02 to 390+03	Rt. & Lt.			204	204						204																Tapered Edges of Pav't.
	6-A	388+92	Lt.													44.4													Private Drive
	7-A	389+93	Lt.													28.8													" "
41	1-A	391+91	Rt.											10.9		27.8													Private Drive
	2-A	393+43	Rt.											38.1		12													" " & Median
	3-A	393+55	Lt.											10.9		30.5													Private Drive
	4-A	395+60	Lt.											10.9		41.6													" "
	5-A	396+28	Rt.											10.9		32.8													" "
	6-A	396+35	Lt.											2.2		42.9													" "
	7-A	396+52	Lt.											2.2		36.8													" "
	8-A	396+90	Rt.											10.9		17.4													" "
	9-A	397+76	Lt.											10.9		31.6													" "
*	10-A	397+79.12	Rt.		81.9				81.9			80		188	76														Center St. & Median
	11-A	399+00	Lt.											10.9		26.6													Private Drive
	12-A	399+37.5	Rt.											10.9		16.7													" "
	13-A	399+93.5	Lt.											10.9		90.3													" "
42	1-A	1001+01	Rt.											12.6		18.6													Private Drive
	2-A	1000+16	Lt.											10.9		83.3													" "
	3-A	1001+45	Lt.											10.9		29.4													" "
	4-A	1001+82	Rt.											10.9		29													" "
	5-A	1002+86	Lt.											10.9		41.6													" "
	6-A	1004+00	Lt.											10.9		29													" "
	7-A	1005+25 to 1006+25	Lt.													188.9													Filling Sta. Drives
	8-A	1006+28 to 1008+28	Rt. & Lt.			200	200						200																Tapered Edges of Pav't.
43	1-A	1013+51.47 to 1013+75	Pavt.					62.7					62.7																Feathered Pav't.
44	1-A	1028+11.5	Rt.											18.7		134.6													Private Drive & Median X-Over
45	1-A	1036+23.4	Lt.		198	22	18		198			196	18	476	382		22													Bowmon Rd. & Median X-Over
46	1-A	1068+65	Rt.											16.6		107.4													Private Drive & Median X-Over
*	48 1-A	1063+17.2	Rt.		83				83			80		73.5	41.9														Newlove Rd. & Median X-Over
	2-A	1063+46	Rt.													69													Private Drive
49	1-A	1070+56	Median											23.3															Median X-Over
50	1-A	1084+55	Lt.													264.4													Private Drive
	2-A	1087+70	Rt. & Lt.													164.9								33			40		Lane Crossing
53	1-A	1112+86	Rt.													125.2								59					Private Drive
	2-A	1112+86	Lt.													752.6													" "
	3-A	1113+50	Lt.													150.1													Prop. Park Entrance - West End
	4-A	1117+00	Lt.													130.7													Prop. Park Entrance - East End
	5-A	1117+10	Lt.													388.8													X-Over & Prop. Park Entrance
55	1-A	1137+26	Median											18.5.1															Median X-Over
	2-A	1139+79	Rt.													107.6													Private Drive
56	1-A	1141+73	Rt.													161.5								55					Private Drive
	2-A	1143+90.2	Rt. & Lt.		1066	22	18		1066			1039	18	1076	603	286	22						26	34					Buena Vista Rd. & X-Over
	3-A	1146+91	Rt.													110.7								43					Private Drive
57	1-A	1155+95.55	Rt.											185.1		139.1													Private Drive & X-Over
58	1-A	1160+80	Rt.													80.7													Private Drive
	2-A	1163+10.3	Rt.													85.2													" "
	3-A	1166+58	Rt.													81.3								32					" "
	4-A	1167+86	Median											183.6															Median X-Over
59	1-A	1170+43	Rt.													87.4													Private Drive
	2-A	1174+24	Rt.													106.4													" "
	3-A	1177+02	Rt.													53.3													" "
	4-A	1177+89	Median											179.7															Median X-Over
60	1-A	1186+77	Median											178.2															Median X-Over
	Sub-Total				1517.1	448	440	130.4	1517.1			1480.2	570.4	4,613.5	1,480	4960.8	44						52	334	44		50	40		

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-256-7 F-256-7 F-16-2	POST WAR

9
22.7

DRIVE AND ROAD APPROACHES (Continued)

CLARK COUNTY
CLA.40-15.18-23.88)

Plan and Profile Sheet No.	Ref. No.	Station	Side	E-8 Sealing Joints Lin. Ft.	B-11 8" Stabilized Base Course Sq. Yds.	B-35 2-3" Asph. Conc. Base Courses Sq. Yds.	B-35 1½" Asph. Conc. Level Course Sq. Yds.	B-35 Variable Depth Asph. Conc. Level Course Sq. Yds.	T-30 Bituminous Prime Coat .25 Gal. per Sq. Yd. Sq. Yds.	T-30 Bituminous Tack Coat .10 Gal. per Sq. Yd. Sq. Yds.	T-32 90" Bitum. Road Mix Surf. Course Sq. Yds.		T-35 1½" Asph. Conc. Surf. Course Sq. Yds.	T-71 8" Reinforced Portland Cem. Conc. Pav't. Sq. Yds.	I-12 Type 2 Conc. Curb & Gutter Lin. Ft.	I-17 Side Appr. Mail Box Turnouts & Berm Mat. 6" Course Sq. Yds.	I-19 Insulation Course Sq. Yds.	I-12 Type No. 3 Conc. Curb & Gutter 24" Base Lin. Ft.	E-8 Removal of Exist. Pav't. Sq. Yds.	I-13 Concrete Sidewalks Sq. Ft.	I-1 Pipe for Drive-Ways Lin. Ft. 8"	12"	15"	18"	24"	30"	Remarks.
	SUB-TOTAL (Sheet)				1517.1	448	440	130.4	1517.1		1480.2		570.4	4613.5	1480	4960.8	44				52	334	44		50	40	
61	1-A	1191+34	Rt.													74											Private Drive
	2-A	1196+82.4	Median											254.8													Cemetary X-Over Median
	3-A	1198+41	Rt.													86.3						38					Private Drive
62	1-A	1207+33.4 to 1209+00	Lt.					25		25			25														Tapering Pav't.
	Sub-Total For F-16-2 Rural				1517.1	448	440	155.4	1517.1	25	1480.2		595.4	4,868.2	1,480	5121.1	44				52	372	44		50	40	
62	1-A	1209+00 to 1210+00	Lt.					45		45			45														Tapering Pav't.
63	1-A	1210+00 to 1216+73	Lt.	424.5				867.8		467.8			467.8	13.3	385			424.5	383.3								Curb for Narrowing Exist Pav't.
	2-A	1213+55	Rt.													116.3						38					Private Drive
	3-A	1219+96	Rt.													99.6						30					" "
64	1-A	1220+78	Lt.											643.5	238.5												X-Over Median & Drive Connection
	2-A	1224+89	Rt.													91.3						36					Private Drive
	3-A	1228+33.2	Rt.													74						32					" "
* 65	1-A	1237+02.7	Rt & Lt.		1607				1607		1527			1154	925	186				1775							S.R. #54 Intersection
	TOTAL F-16-2 MUNICIPAL			424.5	1607			512.8	1607	512.8	1597		512.8	1810.8	1508.5	507		424.5	383.3	1775		136					
68	1-A	1267+48 to 1270+00	Lt.															277	156.5								Curb for Narrowing Exist Pav't.
	2-A	1268+00	Lt.											960.4	238.5												Median X-Over & Drive Connection
69	1-A	1270+00 to 1270+43	Lt.															43	9								Curb for Narrowing Exist. Pav't.
	2-A	1271+23	Rt.													110.7											Private Drive
	3-A	1272+92 to 1280+00	Lt.	352		157.8	157.8	596		596			753.8				157.8	352									Curb for Narrowing Exist Pav't.
	4-A	1277+96	Median											130.9													X-Over Median
70	1-A	1280+00 to 1282+86.77	Pav't.					95.3		95.3			95.3														Private Drive
	2-A	1284+86	Rt.													72.5										50	Appr. Slab.
	3-A	1285+00 to 1290+00	Rt.											1222.2													Private Drive
71	1-A	1291+23	Rt.													78.5										46	Private Drive
	2-A	1290+00 to 1292+50	Rt.											257.5													Appr. Slab.
	Sub-Total For F-16-2 Rural			352		157.8	157.8	691.3		691.3			849.1	2571	238.5	261.7	157.8	672	165.5							96	
	TOTAL F-16-2 RURAL			352	1517.1	605.8	597.8	846.7	1517.1	716.3	1480.2		1444.5	7,439.2	1,718.5	5382.8	201.8	672	165.5		52	372	44		146	40	

* Note: These quantities are estimated and details are not shown in these plans. Details will be furnished during Construction and payment will be made on basis of final field measurements.

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

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CLARK COUNTY
CLK. 40 - (15.18~23.88)

ROADWAY DRAINAGE AND STORM SEWERS

| Plan & Profile Sheet No. | Ref No. | Station From | Station To | Side | E-2 Excavation for Structures Cu. Yds. | S-1 Concrete for Structures Cu. Yds. Class C | Class E | S-4 Reinforcing Steel Lbs. | I-2 Pipe Storm Sewers Lin. Ft. 12" | 15" | 18" | 24" | I-2 Pipe Storm Sewers Under Pavement Lin. Ft. 8" | 12" | 15" | 18" | 24" | 30" | I-2 Pipe Storm Sewers Sec. M-6.4 (d) Lin. Ft. 12" | 15" | 18" | 24" | I-3 Pipe for Roadway Drainage Lin. Ft. 6" | 12" | 15" | 18" | I-3 Pipe Outlets for Roadway Drainage Lin. Ft. 12" | 8" | I-3 Pipe for Roadway Drainage Under Drives Lin. Ft. 12" | 15" | I-5 Pipe Specials Each 8°x 45° Curves | 12"x 45° Curves | 12"x 22½° Curve | 18"x 45° Curve | 10"x 12" TEE | 12"x 12" WYE | 8"x 30° Curve | I-8 Manholes Adjusted to Grade Each | I-8 Standard Catch Basins Each No 12A | No 22A | I-8 Std Catch Basin No. 3A Each | I-8 Std Catch Basins No. 14A Modified* Each | I-8 Std Combination Inlet Manhole No. 3A Each | I-8 Std Manhole No 1 Each | I-8 Std Side Ditch Inlet No 1 Each | I-14 Paved Gutter Special as per Plan Lin. Ft. Type A | Type B | I-16 Catch Basins and Inlets Abandoned Each | I-10 Rip Rap Type A Grouted Sq. Yd. | Special Expansion Anchor Bolts. Each | I-8 Std Side Ditch Catch Basin No 7. |
|---|---|---|---

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

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CLARK COUNTY
CLA-40-(15.18~23.88)

ROADWAY DRAINAGE AND STORM SEWERS

Plan & Profile Sheet No.	Ref No.	Station From	Station To	Side	E-2 Excavation for Structures Cu. Yds.	S-1 Concrete for Structures Cu. Yds. Class "S"	S-1 Concrete for Structures Cu. Yds. Class "B"	S-4 Reinforcing Steel Lbs.	J-2 Pipe Storm Sewers Lin. Ft. 12"	15"	18"	24"	J-2 Pipe Storm Sewers Under Pavement Lin. Ft. 8"	12"	15"	18"	24"	30"	J-2 Pipe Storm Sewers Sec. M-6.4 (d) Lin. Ft. 12"	15"	18"	24"	J-3 Pipe for Roadway Drainage Lin. Ft. 6"	12"	15"	18"	J-3 Pipe Outlets for Roadway Drainage Lin. Ft. 12"	J-3 Pipe for Roadway Drainage Under Drives Lin. Ft. 12"	15"	J-5 Pipe Specials Each 8"-45° Curves	12"-45° Curves	12"x 30° Curves	18"x 45° Curves	18"x 12" TEE	12"x 12" WYE	8"x30° Curve	I-8 Manholes Adjusted to grade Each	J-8 Standard Catch Basins Each No.1A	No.2A	I-8 Std Catch Basin No. 3A Each	I-8 Std Catch Basins No. 4A Modified* Each	I-8 Std Combination Inlet Manhole No. 3A Each	I-8 Std Manhole No.1 Each	I-8 Std Side Ditch Inlet No.1 Each	I-14 Paved Gutter Special as per Plan Lin. Ft. Type "A"	Type "B"	I-16 Catch Basins and Inlets Abandoned Each	I-10 Rip Rap Type A Grouted Sq. Yd.	Special Expansion Anchor Bolts Each	I-8 Std Side Ditch Catch Basins No 7
F-556-7	Rural (Brought Forward)				33	0.2	11.3	4	97		18	2	32	300	168	130	72					10	478			10		66				2	1	1			1	4		2	2		1	2	50		6	12	4	
30	1-D	880+00	881+30	Rt.	1		0.4								130																																	
30	2-D	880+75		Lt.	1	0.1	0.4	2					62																																				
30	3-D	889+82	890+00	Lt.	1		0.4												18																														
31	1-D	890+00	890+18	Lt.	1		0.4												18																														
31	2-D	894+74	895+14	Lt.	2		0.8												40																														
32	1-D	905+38	905+96	Rt.	2		0.8						58																																				
33	1-D	910+00		Rt & Lt.	2		0.8													55																													
33	2-D	910+78	911+46	Rt.	2		0.8							68																																		
34	1-D	925+80		Rt & Lt.	2		0.8							59																																		
35	1-D	933+80		Rt & Lt.	2		0.8							59																																		
36	1-D	945+05		Rt & Lt.	2		0.8							58																																		
36	2-D	945+32	946+07	Rt.	2		0.8								75																																	
Total F-556-7 Sec. Rural					53	0.3	19.3	6	97		18	2	132	545	373	130	72	76	55			10	478			10		66				2	1	1			1	4		2	2		1	3	50		6	12	4	
F-16-2 Sec. Rural																																																
38	1-D	960+63	961+17	Lt.	2		0.8													54																														
40	1-D	980+00		Rt & Lt.	2		0.8													56																														
40	2-D	982+00		Rt & Lt.	1		0.4							58																																			
40	3-D	984+74		Rt & Lt.	1		0.4																																										
41	1-D	990+065		Lt.																																													
41	2-D	990+15		Rt.																																													
41	3-D	993+04	993+83	Rt & Lt.									134																																			
41	4-D	994+925		Rt.																				10																									
41	5-D	997+43	998+18	Rt & Lt.									128																																			
42	1-D	1001+21		Rt.																																													
42	2-D	1002+74		Rt.									14																																			
43	1-D	1012+36	1013+00	Lt.					63																																							
43	2-D	1018+00		Rt & Lt.	2		0.8												59																													
45	1-D	1030+00	1031+28	Lt.					120		6																																				
45	2-D	1031+95	1032+04	Lt.							8																																				
45	3-D	1036+293		Lt.	2		0.8							80																																		
46	1-D	1040+00		Rt & Lt.	2		0.8								70																																		
46	2-D	1048+43	1048+87	Lt.	2		0.8						44																																				
48	1-D	1066+00		Rt & Lt.	2		0.8							75																																		
49	1-D	1070+40	1071+06	Lt.	2		0.8						66																																				
50	1-D	1080+30	1081+32	Rt & Lt.	1		0.3						150																																			
50	2-D	1085+00		Rt & Lt.	6		2.0											63																														
Sub. Total Sheet No. 2 ÷					25		9.5		183		14		154	336	213	70		63	59	110			10			10						1	1		1			4	2	6	2		3				8			1	

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FS-336-7 F-16-6	POST WAR

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ROADWAY DRAINAGE AND STORM SEWERS

CLARK COUNTY
CLA.-40-(15.18~23.88)

Plan & Profile Sheet No.	Ref No.	Station From	Station To	Side	E-2 Excavation for Structures Cu. Yds.	S-1 Concrete for Structures Cu. Yds. Class C	S-1 Concrete for Structures Class E	S-4 Reinforcing Steel Lbs.	I-2 Pipe Storm Sewers Lin. Ft. 12"	15"	18"	24"	I-2 Pipe Storm Sewers Under Pavement Lin. Ft. 8"	12"	15"	18"	24"	30"	I-2 Pipe Storm Sewers Sec. M-6.4 (d) Lin. Ft. 12"	15"	18"	24"	I-3 Pipe for Roadway Drainage Lin. Ft. 6"	12"	15"	18"	I-3 Pipe Outlets for Roadway Drainage Lin. Ft. 12"	I-3 Pipe for Roadway Drainage Under Drives Lin. Ft. 12"	15"	I-5 Pipe Specials Each 8'-45° Curves	10'-45° Curves	10'x30° Curve	10'x45° Curve	10'x12" TEE	10'x12"x12" WYE	10'x30° Curve	I-8 Manholes Adjusted to Grade Each	I-8 Standard Catch Basins Each No 12A	No 22A	I-8 Std Catch Basin No. 3A Each	I-8 Std Catch Basins No. MA Modified* Each	I-8 Std Combination Inlet-Manhole No. 3A Each	I-8 Std. Manhole No 1 Each	I-8 Std. Side Ditch Inlet No. 1 Each	I-14 Paved Gutter Special as per Plan Lin. Ft. Type 2A	Type 2B	I-16 Catch Basins and Inlets Abandoned Each	I-10 Rip Rap Type A Grouted Sq. Yd.	Special Expansion Anchor Bolts Each	I-8 Std. Side Ditch Catch Basins No 7
F-16 - 2		Rural -	Brought Forward		25		9.5		183		14		154	50	213	70		63	59	110			10																																
52	1-D	1105+21		Rt & Lt.	2		0.8														61																																
52	2-D	1106+89	1109+93	Rt.																			304						1																						
53	1-D			Lt.																																															
53	2-D	1118+40		Rt & Lt.	2		0.8								108																																					
55	1-D	1136+96	1137+53	Lt.	2		0.8							57																																					
56	1-D	1143+902		Lt.									54																										1												
56																																																		
57	1-D	1155+77	1156+15	Lt.	2		0.8													38																															
58	1-D	1167+18	1167+76	Lt.	2		0.8								58																																				
60	1-D	1186+51	1187+06	Lt.	2		0.8							55																																					
61	1-D	1197+00		Rt & Lt.	2		0.8									88																																				
Sub Total F-16-2		Rural			39		15.1		183		14		208	108	379	158		63	59	148	61		304	10					1		1	1		1	1		4	3	6	2		3				8	15		1
F-16-2 South Vienna																																																		
64	1-D	1220+36	1221+11	Lt.	2		0.8								75																																				
65	1-D	1236+81		Rt & Lt.										50																																				
	2-D	1237+41		Rt & Lt.					83		153			127				398																																
66	1-D	1243+00		Rt & Lt.	4		1.0															130																													
Total F-16-2 South Vienna					6		1.8		83		153			177	75			398				130																													
F-16-2 Rural																																																		
68	1-D	1263+00		Lt.	2		0.8														56																														
68	2-D	1263+00		Rt.	2		0.8														57																														
68	3-D	1267+00		Rt.	2		0.8													62																														
68	4-D	1268+13	Approach	Lt.	2		0.8													98																														
69	1-D	1278+00		℄	2		0.8													40																														
70	1-D	1289+00		Rt & Lt.	2		0.8													47																														
Sub-Total Brought Forward					32		15.1		183		14		208	108	379	158		63	59	148	61		304	10					1		1	1		1	1		4	3	6	2		3				8	15		1
Total F-16-2 Rural					45		19.9		183		14		208	108	379	158		63	59	395	174		304	10					1		1	1		1	1		4	3	6	2		3				8	15		1

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 F.G-556-7 F-16-2	POST WAR

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CLARK COUNTY
CLA-40-(15.18-23.88)

PIPE UNDERDRAIN

Plan & Profile Sheet Nº	Ref. Nº	STATION FROM	STATION TO	Side	I-4 Pipe Underdrains LIN. FT. 6"	I-4 Pipe Outlets for Underdrains LIN. FT. 6"	I-5 Pipe Special EACH 6"×45°	I-5 Pipe Special EACH 6" WYE
F-556-7 RURAL								
24	1-U	822+74	830+00	Rt.	724	10	1	
24	2-U	822+92	830+00	Lt.	700	10	1	
25	1-U	830+00	839+90	Rt.	990			
25	2-U	830+00	839+90	Lt.	990			
TOTAL F-556-7 RURAL					3040	20	2	
F-16-2 RURAL								
38	1-U	962+00	970+00	Rt.	798	10	1	
38	2-U	962+00	970+00	Lt.	804	10	1	
39	1-U	970+00	980+00	Rt.	1000			
39	2-U	970+00	980+00	Lt	1000			
40	1-U	980+00	987+00	Rt.	750	10		1
40	2-U	980+00	987+00	Lt.	736		1	
52	1-U	1105+23	1110+00	Rt.	476	10		1
52	2-U	1105+45	1110+00	Lt.	466		1	
53	1-U	1110+00	1113+00	Rt.	300			
53	2-U	1110+00	1113+00	Lt.	300			
54	1-U	1122+30	1130+00	Rt.	768	10	1	
54	2-U	1122+48	1130+00	Lt	762	10	1	
55	1-U	1130+00	1132+00	Rt.	200			
55	2-U	1130+00	1132+00	Lt.	200			
55	3-U	1134+00	1140+00	Rt.	587	10		1
55	4-U	1134+19.5	1140+00	Lt.	589		1	
56	1-U	1140+00	1140+50	Rt.	50			
56	2-U	1140+00	1140+50	Lt.	50			
58	1-U	1169+50	1170+00	Rt.	50			
58	2-U	1169+50	1170+00	Lt.	50			
59	1-U	1170+00	1172+09.5	Rt.	208	10		1
59	2-U	1170+00	1171+77	Lt.	186		1	
62	1-U	1208+50	1209+00	Rt.	50	10	1	
TOTAL F-16-2 RURAL					10380	90	9	4
F-16-2 MUNICIPAL								
62	1-U	1209+00	1210+00	Rt.	154.5			1
62	2-U	1209+36	1210+00	Rt	72			1
62	3-U	1209+63	1210+00	Lt.	50		1	
63	1-U	1210+00	1219+00	Rt.	900			
63	2-U	1210+00	1219+00	Rt.	900			
63	3-U	1210+00	1219+00	Lt.	900			
63	4-U	1214+23	1219+00	Lt.	488		1	
64	1-U	1228+03	1230+00	Rt.	392	10		1
64	2-U	1226+30	1230+00	Rt.	378			1
64	3-U	1228+37	1230+00	Lt.	358			1
64	4-U	1226+94	1230+00	Lt.	316		1	
65	1-U	1230+00	1236+00	Rt.	600			
65	2-U	1230+00	1236+00	Rt.	600			
65	3-U	1230+00	1236+00	Lt.	600			
65	4-U	1230+00	1236+00	Lt.	600			
TOTAL F-16-2 MUNICIPAL					7304	10	3	5

I-15 GUARD RAIL

Plan & Profile Sheet Nº	Ref. Nº	STATION From	STATION To	Side	Guard Rail To Be Removed & Stored: 1 Cable 1 Plank Lin.Ft.	Post Only Lin.Ft.	Wire Mesh Lin.Ft.	New Steel Beam Type Deep Lin. Ft.
F-556-7 RURAL								
25	1-G	838+53	840+00	Lt.	147			
26	1-G	848+00	850+00	Lt.	200			
26	2-G	847+24		Lt.				60
26	3-G	840+00	847+65	Lt.	765			
27	1-G	850+00	854+67	Lt.	467			
33	1-G	917+17	918+13	Lt.	96			
34	1-G	926+78	927+12	Lt.			56	
34	2-G	927+12	927+75	Lt.	63			
36	1-G	945+84		Lt.		40		
36	2-G	945+84		Rt.		32		
TOTAL F-556-7 RURAL					1738	72	56	60
F-16-2 RURAL								
40	1-G	989+66.6	989+79.1	Rt.				12.5
40	2-G	989+66.8	989+79.1	Lt.				12.5
44	1-G	1029+26.5	1030+00	Lt.	73.5			
45	1-G	1030+00	1031+27.5	Lt.	127.5			
45	2-G	1030+26.2	1031+26.2	Lt.				100
45	3-G	1030+26.2	1031+26.2	Lt.				100
45	4-G	1030+30.4	1031+30.4	Rt.				100
45	5-G	1030+30.4	1031+30.4	Lt.				100
45	6-G	1031+92.9	1032+92.9	Rt.				100
45	7-G	1031+92.9	1032+92.9	Lt.				100
45	8-G	1031+97.2	1032+97.2	Lt.				100
45	9-G	1031+97.2	1032+97.2	Rt.				100
45	10-G	1031+98	1010+00	Lt.	802			
45	11-G	1035+30	1035+87	Lt.	57			
45	12-G	1036+93	1137+66	Lt.	71			
46	1-G	1040+00	1041+08	Lt.	108			
47	1-G	1050+53	1057+08	Lt.	653			
56	1-G	1148+94	1150+00	Lt.	106			
57	1-G	1150+00	1151+26	Lt.	126			
57	2-G	1153+41	1153+65	Lt.	24			
59	1-G	1170+75	1173+00	Lt.	225			
59	2-G	1175+36	1176+36	Lt.	100			
60	1-G	1181+16	1182+89	Lt.	173			
61	1-G	1191+49	1196+01.5	Lt.				452.5
61	2-G	1192+40	1198+63	Lt.	593			
61	3-G	1191+76	1197+35	Lt.	559			
61	4-G	1197+28.5	1198+66	Lt.				137.5
61	5-G	1191+62.5	1193+00	Rt.				137.5
TOTAL F-16-2 RURAL					3798			1552.5

ROADWAY EARTHWORK

STATION FROM	STATION TO	Excavation Cu. Yds.	Embankment Cu. Yds.	Emb. ↑20 % Cu. Yds.
F-556-7 MUNICIPAL				
802+	810+00	814	1433	1720
810+00	814+82.38	3080	1373	1648
Estimated for Drives			50	60
TOTAL		3894	2856	3428
3894 − 3428 = 466 Cu.Yds. Waste				
F-556-7 RURAL				
815+29.31	820+00	9052	754	905
820+00	830+00	16006	2376	2851
830+00	840+00	9615	5228	6274
840+00	850+00	5693	23447	28136
850+00	860+00	6249	12332	14796
860+00	870+00	3285	1490	1788
870+00	880+00	3452	662	794
880+00	890+00	2330	4684	5621
890+00	900+00	4231	2454	2945
900+00	910+00	3616	1578	1894
910+00	920+00	4998	3190	3828
920+00	930+00	7140	1445	1734
930+00	940+00	2343	1701	2041
940+00	947+60	4049	127	152
Estimated for Drives		200	300	360
TOTAL		87488	61158	74109
* 84,488 − 74,109 = 10,339 Cu. Yds. of Waste				

* NOTE :- Deduct 3000 Cu.Yds. (estimated) from Excavation for Earth removed from Sta 818+00 to Sta. 821+00 since cross sections were taken. 87,488 Cu.Yds. − 3000 Cu.Yds. = 84,488 Cu.Yds. Estimated Excavation.

F-16-2 RURAL				
947+60	950+00	2483	18	22
950+00	960+00	3013	4620	5544
960+00	970+00	3695	2741	3289
970+00	980+00	9374	1558	1870
980+00	990+00	3807	950	1140
990+00	1000+00	695	1633	1960
1000+00	1010+00	1234	1308	1570
1010+00	1020+00	1495	6809	7931
1020+00	1030+00	1519	7642	9170
1030+00	1040+00	1373	10420	12504
1040+00	1050+00	1902	7448	8933
1050+00	1060+00	4412	11938	14330
1060+00	1070+00	475	8830	10597
1070+00	1080+00	1515	17235	20682
1080+00	1090+00	930	6217	7460
1090+00	1100+00	1637	10360	12672
1100+00	1110+00	18284	2136	2563
1110+00	1120+00	4210	3116	3739
1120+00	1130+00	3627	5462	6554
1130+00	1140+00	7515	1873	2248
1140+00	1150+00	2258	9247	11096
1150+00	1160+00	707	16727	20072
1160+00	1170+00	6216	667	800
1170+00	1180+00	2392	5637	6764
1180+00	1190+00	7944	2382	2858
1190+00	1200+00	4078	11904	14285
1200+00	1209+10	769	4705	5646
1262+48.5	1270+00	2068	2855	3426
1270+00	1280+00	8532	2236	2683
1280+00	1290+00	5410	2045	2454
1290+00	1293+00	316	134	161
Estimated for Drives		400	600	720
TOTAL		117,405	171,473	205,768

205,768 − 117,405 = 88,363 Cu.Yds. Borrow

466 + 10,379 + 50,373 = 61,218 Cu.Yds. Waste

27,145 Cu.Yds. − 5778 (Organic Excavation) = 21,367 Cu.Yds. Borrow
117,405 + 5778 = 123,183 Cu.Yds. Total Excavation 27,145 Cu.Yds. Total Excavation Net Borrow

F-16-2 MUNICIPAL				
1209+00	1210+00	113	439	527
1210+00	1220+00	12,685	1319	1583
1220+00	1230+00	6382	7760	9312
1230+00	1240+00	24,364	664	797
1240+00	1250+00	12,016	1530	1836
1250+00	1260+00	8268	402	482
1260+00	1262+48.5	1699	665	798
Estimated for Drive		10	20	24
TOTAL		65,732	12,799	15,359

65,732 − 15,359 = 50,373 Cu.Yds. Waste

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-736-7 F-16-2	POST WAR

14
227

CLARK COUNTY
CLA-40-15.18-23.88)

STRUCTURES 20 FOOT SPAN AND UNDER

Sheet No	Station	E-2 Excavation for Structures	E-3 Channel Excavation	E-12 Pipe Removed and Stored		E-12 Pipe Removed & Disposed of:		S-1 Concrete for Structures	S-1 Concrete for Structures	S-4 Reinforcing Steel	S-22 Removal of Portions Of Exist. Struct.	S-23 Dowel Holes Each			S-24 Removal of Existing Structure	S-27 Pipe for Roadway Culverts Lineal Feet									S-28 Sec. Plate Pipe Arch lineal Feet	I-3 Pipe for Roadway Drainage Lineal Feet				I-5 Pipe Special Each		I-8 Catch Basins Each				I-10 Rip Rap Grouted Type "A"	I-16 Catch Basins and Inlets Abandoned	Special 3/4" Expansion Anchor Bolts as per plan
				Lineal Feet		Lineal Feet		Class "C"	Class E																													
		Cu. Yds.	Cu. Yds.	15" Under	Over 15"	15" Under	Over 15"	Cu. Yds.	Cu. Yds.	Lbs.	Lump	1'6"x1'0"	1'6"x1'9"	1'6"x1'8"	Lump	12"	15"	24"	30"	33"	36"	42"	60"	8"	7'3"x5'-4"	6"	8"	12"	15"	12"x24"	6'1"x5'1"	1-3	1-4	No.7	1-2A	Sq. Yds.	Each	Each
F-556-7 Rural																																					
	854+24	19																					73			6	6							2			
	871+43	73	14				20	0.3	1.9	6	Lump										75							9		1				1			4
	887+45	58					38		1.5	28		6								82											1						
	917+61.7	95					47	0.4	1.4	6									95											1					1	4
	929+30	30					27	0.2	1.4	5	Lump								71											1						4
Total F-556-7 Rural		281	14				132	0.9	6.2	45		6							166	82		75		73		6	4	9		1		3		1	2		1	12
F-16-2 Rural																																					
	957+69.5	60			61			0.2	1.3	5	Lump								97											1						4
	989+72.85	108							37.5	2874	Lump	8	44																								
	1012+36.5	97	150		24.5		25.5	25.3		2983	Lump	18																								
	1055+21.4	15						0.2	0.5	4							18	70																1		4
	1074+50	204	396					12.2		189													160														
*	1083+25	135				250		0.1		5					Lump	18	190									30				1					2			4
*	1150+45	100					44		1.8													134										1			1		
	1153+50	4	81				47		1.0													121										1			1		
*	1172+19.28	24					27	0.2	0.5	5	Lump							106																		4
	1175+68.9	52	10		18		8	0.3	1.5	5	Lump									91																4
	1182+05.55	80					26	0.2	1.3	5								15	76											1						4
*	1192+28.7	250	115			24		187.0		24,929	Lump		40	7														10	20					2	35		
*	1196+82.4 Lt.	217							9.6						Lump										Top 143' Bottom 154'		20								7		
**		120						65																													
Total F-16-2 Rural		1466	752		83.5	274	177.5	290.7	55.6	31,004		26	84	7		18	208	191	173		91	255	160		Top 143' Bottom 154'		30	20	10	20		1	3	3		5	42	3	24
F-16-2 Municipal																																					
	1221+73	48	45				48		3.4													153												1	1			
Total F-16-2 Municipal		48	45				48		3.4													153												1	1			
TOTALS		1795	811		83.5	274	357.5	291.6	65.2	31,049		32	84	7		18	208	191	339	82	91	483	160	73	Top 143' Bottom 154'		36	24	19	20		1	1	6	4	1	7	42	4	36

** These quantities are to be used for retaining walls and steps if required, on right approximately from Sta 928+80 to Sta. 930+30 and from Sta. 1000+00 to Sta. 1003+00. Steps if required shall be constructed in accordance with Item I-13, but payment shall be made per Cu. Yd. of S-1 Concrete used and per Cu. Yd. of E-2 excavation actually performed.

* These quantities are estimated but details are not shown in these plans. Details will be furnished during construction of the project and final payment will be made on the basis of field measurments of quantities used.

* Sta. 1192+28.7 - Proposed 10'x9'x101' Concrete large box culvert extension on Rt, reinforced concrete paving in bottom of existing 10' concrete slab top culvert and 20'x30' reinforced concrete open box approximately 4'-3" deep connected to existing culvert on Lt.

PAVEMENT CALCULATIONS

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556(7) F-556(8) F-16 (2)	POST WAR

15 / 227

CLARK COUNTY
CLA. 40 (15.18 - 23.88)

ITEM T-71 REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8" THICK

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.
F-556-7 Springfield (MUNICIPAL)					
From Drive & Approach Table = 1,018.3 Sq. Yds.					
Total F-556-7 Springfield	1,018.3				
F-556-7 Rural					
From Typical Section No.4					
370.69 x 25 ÷ 9 = 1,029.7 Sq. Yds.					
From Typical Section No.5					
244 x 25 ÷ 9 = 677.8 Sq. Yds.					
From Typical Section No.6					
12,616 x 24 ÷ 9 = 33,642.7 Sq. Yds.					
=					
From Drive & Approach Table = 6243.6 Sq. Yds.					
TOTAL F 556-7 RURAL		41,593.8			
F. 16-2 Rural					
From Typical Section No.6					
21,614.53 x 24 ÷ 9 = 57,638.7 Sq. Yds.					
From Typical Section No. 7					
223.41 x 25 ÷ 9 = 620.6 Sq. Yds.					
From Typical Section No. 8					
654.06 x 25 ÷ 9 = 1816.8 Sq. Yds.					
From Typical Section No. 11					
1,396.5 x 48 ÷ 9 = 7448.0 Sq. Yds.					
From Typical Section No. 12					
1205 x 24 ÷ 9 = 3213.3 Sq. Yds.					
From Drive & Approach Table 7059.2 Sq. Yds.					
Total = 79,176.6 Sq. Yds.					
Deduction Sta. 1011+66.88 to Sta. 1013+51.47 −20.5 Sq. Yds.					
TOTAL F.16-2 RURAL			78,156.1		
F.16-2 SOUTH VIENNA (MUNICIPAL).					
From Typical Section No.11					
4,848.5 x 48 ÷ 9 = 25858.7 Sq. Yds.					
From Typical Section No.12					
500 x 24 ÷ 9 = 1,333.3 Sq. Yds.					
Acceleration & Deceleration Lanes					
1992 x 12 ÷ 9 2,656.0 Sq. Yds.					
From Drive & Approach Table 1,810.8 Sq. Yds.					
TOTAL F. 16-2 SOUTH VIENNA (MUNICIPAL)				31,658.8	152,427.0

ITEM B-35 TWO 3" THICK ASPHALTIC CONCRETE BASE COURSES

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.
F.556-7 Springfield (MUNICIPAL)					
From Typical Section No. 1.					
221.43 x 14.5 ÷ 9 = 356.7 Sq. Yds.					
From Typical Section No.2					
879.93 x 28 ÷ 9 = 2737.6 Sq. Yds.					
From Typical Section No.3					
63.83 x 29 ÷ 9 = 205.7 Sq. Yds.					
From Drive & Approach Table 20.7 Sq. Yds.					
Total 3320.7 Sq. Yds.					
TOTAL F. 556-7 Springfield (MUNICIPAL) 3320.7 x 6 ÷ 36 =	556.8				
F. 556-7 Rural					
From Typical Section No. 4					
370.69 x 0.6 ÷ 9 = 24.7 Sq. Yds.					
From Drive & Approach Table = 99.0 Sq. Yds.					
Total 123.7 Sq. Yds.					
TOTAL F. 556-7 Rural 123.7 x 6 ÷ 36 =		20.6			
F.16-2 RURAL					
From Typical Section No.8					
654.06 x 0.8 ÷ 9 = 58.1 Sq. Yds.					
From Typical Section No.9					
575.0 x 4.0 ÷ 9 = 255.6 Sq. Yds.					
From Typical Section No.10					
1625.0 x 40 ÷ 9 = 7,222.2 Sq. Yds.					
From Typical Section No.12					
1205 x 12.5 ÷ 9 = 1673.6 Sq. Yds.					
From Drive and Approach Table 605.8 Sq. Yds.					
15.5 Total 9815.3 Sq. Yds.					
TOTAL F.16-2 Rural 9815.3 x 6 ÷ 36 =			1637.4		
F. 16-2 SOUTH VIENNA (MUNICIPAL)					
From Typical Section No. 12					
500.0 x 13.3 ÷ 9 = 738.9 Sq. Yds.					
TOTAL F 16-2 SOUTH VIENNA (MUNICIPAL) 738.9 x 6 ÷ 36				123.2	2,338.0

B-35 ASPHALTIC CONCRETE LEVELING COURSE

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.
F.556-7 Springfield (MUNICIPAL)					
Item B-35, 1½" Asphaltic Concrete Leveling Course.					
From B-35 Base Course Calculations 3340.7 Sq. Yds.					
TOTAL 1½" thick 3340.7 x 1.5 ÷ 36 = 139.2 Cu. Yds.					
Item B-35, Variable thickness ½" to 3" Asphaltic Conc. Leveling Course					
From T-30, Bituminous Tack Coat Calculations 2889.6 Sq. Yds.					
TOTAL 1¾" Average Thickness = 2889.6 x 1.75 ÷ 36 = 140.5 Cu. Yds.					
TOTAL F. 556-7 Springfield (Municipal) =	279.7				
F.556-7 Rural					
Item B-35, 1½" Asphaltic Concrete Leveling Course					
From B-35, Base Course Calculations 123.7 Sq. Yds.					
TOTAL 1½" Thick = 123.7 x 1.5 ÷ 36 = 5.1 Cu. Yds.					
Item B-35, Variable thickness ½" to 3" Asphaltic Concrete Leveling Course					
From T-30, Bituminous Tack Coat Calculations 963.8 Sq. Yds.					
TOTAL 1¾" Average Thickness 963.8 x 1.75 ÷ 36 = 46.9 Cu. Yds.					
TOTAL F. 556-7 Rural		52.0			
F.16-2 Rural					
Item B-35, 1½" Asphaltic Concrete Leveling Course					
From B-35 Base Course Calculations 9824.3 Sq. Yds.					
TOTAL 1½" Thick = 9824.3 x 1.5 ÷ 36 = 409.3 Cu. Yds.					
Item B-35 Variable thickness ½" to 3" Asphaltic Conc. Leveling Course					
From T-30, Bituminous Tack Coat Calculations 10,624.1 Sq. Yds.					
TOTAL 2¾" Average Thickness 10624.1 x 2.75 ÷ 36 = 811.6 Cu. Yds.					
TOTAL F. 16-2 Rural =			1220.9		
F. 16-2 SOUTH VIENNA (MUNICIPAL)					
Item B-35, 1½" Asphaltic Concrete Leveling Course					
From B-35, Base Course Calculations 738.9 Sq. Yds.					
TOTAL 1½" Thick 738.9 x 1.5 ÷ 36 = 30.8 Cu. Yds.					
Item B-35 Variable thickness ½" to 3" Asphaltic Conc. Leveling Course					
From T-30 Bituminous Tack Coat Calculations 1107.2 Sq. Yds.					
TOTAL 2¾ Average thickness = 1107.2 x 2.75 ÷ 36 = 84.6 Cu. Yds.					
TOTAL F. 16-2 SOUTH VIENNA (MUNICIPAL)				115.4	1668.0

ITEM T-35, 1½" ASPHALTIC CONCRETE SURFACE COURSE TYPE "A"

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.
F.556-7 Springfield (MUNICIPAL)					
From Typical Section No. 1.					
221.43 x 47 ÷ 9 = 1156.4 Sq. Yds.					
From Typical Section No. 2.					
879.93 x 48 ÷ 9 = 4693.0 Sq. Yds.					
From Typical Section No. 3					
63.83 x 48 ÷ 9 = 340.4 Sq. Yds.					
From Drive & Approach Table 283.0 Sq. Yds.					
Total 6472.8 Sq. Yds.					
TOTAL F. 556-7 Springfield 6472.8 x 1.5 ÷ 36 =	269.7				
F. 556-7 Rural					
From Typical Section No 4					
370.69 x 24 ÷ 9 = 988.5 Sq. Yds.					
From Drive & Approach Table 1025.0 Sq. Yds.					
Total 2013.5 Sq. Yds.					
TOTAL F. 556-7 Rural 2013.5 x 1.5 ÷ 36 =		83.9			
F. 16-2 Rural					
From Typical Section No. 8					
654.06 x 24 ÷ 9 = 2013.0 Sq. Yds.					
From Typical Section No 9					
575.0 x 48 ÷ 9 = 3066.0 Sq. Yds.					
From Typical Section No 10					
1625.0 x 60 ÷ 9 = 10,833.3 Sq. Yds.					
From Typical Section No. 12					
1205.0 x 24 ÷ 9 = 3213.3 Sq. Yds.					
From Drive & Approach Table 1444.5 Sq. Yds.					
Total = 20,570.6 Sq. Yds.					
Total F. 16-2 Rural 20,570.6 x 1.5 ÷ 36 + 5.5 Cu. Yds. (Approx. Slabs) =			862.6		
F. 16-2 SOUTH VIENNA (MUNICIPAL)					
From Typical Section No. 12					
500 x 24 ÷ 9 = 1333.3 Sq. Yds.					
From Drive & Approach Table 512.8 Sq. Yds.					
Total 1846.1 Sq. Yds.					
TOTAL F. 16-2 SOUTH VIENNA 1846.1 x 1.5 ÷ 36 =				76.9	1293.1

ITEM T-30 BITUMINOUS TACK COAT 0.1 GAL. per Sq.Yd. Sec. M.5.5, MS-1

	F.556-7 Springfield (MUNICIPAL)	F.556-7 RURAL	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	Gals	Gals.	Gals.	Gals.	Gals.
F-556-7 Springfield (MUNICIPAL)					
From Typical Section No1.					
221.43 x 32.5 ÷ 9 = 799.5 Sq. Yds.					
From Typical Section No 2					
879.93 x 20.0 ÷ 9 = 1955.4 Sq. Yds.					
From Typical Section No 3					
63.83 x 19.0 ÷ 9 = 134.7 Sq. Yds.					
Total 2889.6 Sq. Yds.					
Total F. 556-7 Springfield 2889.6 x 0.1 =	289				
F. 556-7 Rural					
From Typical Section No. 4					
370.69 x 23.4 ÷ 9 = 963.8 Sq. Yds.					
Total 963.8 Sq. Yds.					
Total F. 556-7 Rural 963.8 x 0.1 =		96			
F. 16-2 Rural					
From Typical Section No 8					
654.06 x 23.2 ÷ 9 = 1945.9 Sq. Yds.					
From Typical Section No 9					
575.0 x 44.0 ÷ 9 = 2811.1 Sq. Yds.					
From Typical Section No 10					
1625 x 20.0 ÷ 9 = 3611.1 Sq. Yds.					
From Typical Section No 12					
1205.0 x 11.5 ÷ 9 = 1539.7 Sq. Yds.					
From Drive & Approach Table & Br. Appr. Slabs. 716.3 Sq. Yds.					
Total 10,624.1 Sq. Yds.					
TOTAL F. 16-2 Rural 10,624.1 x 0.1 =			1062		
F. 16-2 SOUTH VIENNA (MUNICIPAL)					
From Typical Section No. 12					
500 x 10.7 ÷ 9 = 594.4 Sq. Yds.					
From Drive & And Approach Table 512.8 Sq. Yds.					
Total 1107.2 Sq. Yds.					
Total F. 16-2 SOUTH VIENNA 1107.2 x 0.1 =				111	1558

ITEM: T-30 BITUMINOUS PRIME COAT 0.25 Gals. per Sq. Yd. SEC. M-5.7 RT-2 or 3

	F.556-7 Springfield (MUNICIPAL)	F.556-7 RURAL	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	Gals	Gals.	Gals.	Gals.	Gals.
F. 556-7 Springfield (MUNICIPAL)					
From Drive & Approach Table 694.0 Sq. Yds.					
TOTAL F. 556-7 Springfield (MUNICIPAL) = 694.0 x 0.25 =	174				
F. 556-7 Rural					
From Drive & Approach Table 6954.2 Sq. Yds.					
TOTAL F. 556-7 Rural 6954.2 x 0.25 =		1739			
F. 16-2 Rural					
From Drive & Approach Table 1517.1 Sq. Yds.					
TOTAL F. 16-2 Rural 1517.1 x 0.25			379		
F. 16-2 SOUTH VIENNA (MUNICIPAL)					
From Drive & Approach Table 1607.0 Sq. Yds.					
TOTAL F. 16-2 SOUTH VIENNA (MUNICIPAL) 1607.0 x 0.25 =				402	2594

ITEM, F-21, PORTLAND CEMENT CONCRETE MEDIAN PAVEMENT

	F.556-7 Springfield (MUNICIPAL)	F.556-7 RURAL	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	SQ. YDS.	SQ. YDS.	SQ. YDS.	SQ. YDS.	SQ. YDS.
F. 556-7 Springfield (MUNICIPAL)					
From Typical Section No1. 221.43 Lin. Ft.					
221.43 x 3.0 ÷ 9 = 73.8 Sq. Yds.					
From Typical Section No 2. 879.93 Lin. Ft.					
Deduct for Intersection 113.15 Lin. Ft.					
Net Length 766.78 Lin. Ft.					
766.78 x 4 ÷ 9 = 340.8 Sq. Yds.					
From Typical Section No 3 63.83 Lin. Ft.					
63.83 x 4.85 ÷ 9 = 30.1 Sq. Yds.					
TOTAL F. 556-7 Springfield (MUNICIPAL) = 444.7 Sq. Yds.	444.7				
F. 16-2 Rural					
From Typical Section No 9 575.0 Lin. Ft.					
575.0 x 4.7 ÷ 9 = 300.3 Sq. Yds.					
From Typical Section No 10 1625.0 Lin. Ft.					
Deduct for Intersections 120.0 Lin. Ft.					
Net Length 1505.0 Lin. Ft.					
1505.0 x 4 ÷ 9 = 668.9 Sq. Yds.					
TOTAL F. 16-2 Rural = 969.2 Sq. Yds.			969.2		1413.9

PAVEMENT CALCULATIONS

PAVEMENT CALCULATIONS

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556(7) F-556(7)R F-16(2)	POST WAR

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CLARK COUNTY
CLA.40 (15.18 - 23.88)

Checked 11/18/48 A.D.B.

ITEM E-8 SEALING ONLY

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So. Vienna Municipal	PROJECT TOTAL
	LIN. FT.	LIN. FT	LIN. FT.	LIN. FT	LIN. FT.
F. 556-7 Springfield (MUNICIPAL)					
From Typical Section No.1 221.43 x 6 = 1328.6 Lin.Ft.					
From Typical Section No.2 879.93 x 6 = 5279.6 =					
Deduct for Intersection = 533.1					
Net Quantity for Typical Sec. No.2. = 4746.5 Lin.Ft.					
From Typical Section No. 3 63.83 x 6 = 383.0 Lin.Ft.					
TOTAL F. 556-7 Springfield (MUNICIPAL)	6,458.1				
F. 556-7 Rural					
From Sta. 817+29.31 to Sta. 820+65.40 533 x 2 = 1066.0 Lin.Ft.					
From Sta. 820+65.4 to Sta. 822+50 = 184.6 Lin.Ft.					
Total F. 556-7 Rural =		1,250.6			
F. 16-2 Rural					
From Typical Section No. 7 223.4					
Deduct for Cross Over 36.0					
Net Length 187.4 Lin.Ft.					
From Typical Section No 8 654.06 x 2 = 1308.1					
Deduction 184.6					
Net Length 1123.5 Lin.Ft.					
From Typical Section No. 9 575.0 x 3 = 1725.0 Lin.Ft.					
From Typical Section No.10 1625.0 x 6 9750.0 Lin.Ft.					
From Typical Section No. 12 1205.0 Lin.Ft.					
From Drive & Approach Table 352.0 Lin.Ft.					
TOTAL F.16-2 Rural			14,142.9		
F. 16-2 South Vienna (MUNICIPAL)					
From Typical Section No.12 500.0 Lin.Ft.					
From Drive & Approach Table 424.5 Lin.Ft.					
TOTAL F.16-2 South VIENNA (MUNICIPAL) =				924.5	22,776.1

ITEM I-12 STANDARD CONCRETE CURB AND GUTTER TYPE 2

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So. Vienna Municipal	PROJECT TOTAL
	LIN. FT.	LIN. FT	LIN. FT.	LIN. FT	LIN. FT.
F. 556-7 Springfield (MUNICIPAL)					
From Typical Section No. 1 221.43 x 2 = 442.9 Lin.Ft.					
From Typical Section No. 2 879.93 x 2 1759.9					
Deduct for Approaches 306.7					
Net Length = 1453.2 Lin.Ft.					
From Typical Section No 3 63.83 x 2 127.7 Lin.Ft.					
From Drive & Approach Table 536.0 Lin.Ft.					
TOTAL F. 556-7 Springfield (MUNICIPAL) = use	2560.3				
F. 556-7 Rural					
From Typical Section No 4 370.7					
Deduct for Bridge 6.7					
Net Length 364.0 Lin.Ft.					
From Typical Section No. 5 244.0 Lin.Ft.					
From Typical Section No 6 106.0 Lin.Ft.					
From Drive & Approach Table 3272.0 Lin.Ft.					
TOTAL F.556-7 Rural		3986.0			
F.16-2 Rural					
From Typical Section No.10 1625.0 x 2 = 3250.0					
Deduct for Approaches = — 71.0					
Net Length = = 3179.0 Lin.Ft.					
From Drive & Approach Table 1718.5 Lin.Ft.					
TOTAL F.16-2 Rural use			4897.		
F. 16-2 South Vienna (MUNICIPAL)					
From Drive & Approach Table 1508.5 Lin.Ft.					
TOTAL F.16-2 South VIENNA (MUNICIPAL) use				1509.	12,952

ITEM I-12 CONCRETE CURB & GUTTER TYPE 3 - 12" BASE

	F.556-7 Springfield (MUNICIPAL)	F.556-7 RURAL	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	Lin. Ft.	Lin.Ft.	LIN.Ft.	LIN.Ft.	LIN. FT
F. 556-7 Rural					
From Typical Section No.4 370.7					
Deduct for Bridge 1.7					
Net Length = 369.0 Lin.Ft.					
From Typical Section No.5 244.0					
Deduct for Approach 78.6					
Net Length = 165.4 Lin.Ft.					
TOTAL F.556-7 Rural use		535			
F.16-2 Rural					
From Typical Section No.7 223.4					
Add for Cross-Over 6.0					
Net Length 229.4 Lin.Ft.					
From Typical Section No 8 654.1					
Deduction 172.1					
Net Length = 482.1 Lin.Ft.					
TOTAL F.16-2 Rural use			712		1247

ITEM I-12 STANDARD CONCRETE CURB TYPE 3A

	F.556-7 Springfield (MUNICIPAL)	F.556-7 RURAL	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	Lin. Ft.	Lin.Ft.	LIN.Ft.	LIN.Ft.	LIN. FT
F. 556-7 Rural					
From Typical Section No.4 370.7					
Deduct for Bridge 1.0					
Net Length 369.7 Lin.Ft.					
From Typical Section No. 5 244.0					
Deduct for Approach 78.6					
Net Length = 165.4 Lin.Ft.					
TOTAL F.556-7 Rural use		535.			
F.16-2 Rural					
From Typical Section No. 7 223.4					
Deduct for Cross-Over 36.0					
Net Length 187.4 Lin.Ft.					
From Typical Section No 8 654.1					
Deduction 184.6					
Net Length 469.5 Lin.Ft.					
TOTAL F.16-2 Rural use			657.		1192

ITEM I-12 CONCRETE CURB & GUTTER TYPE SPECIAL AS PER PLAN

	F.556-7 Springfield (MUNICIPAL)	F.556-7 RURAL	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	Lin. Ft.	Lin.Ft.	LIN.Ft.	LIN.Ft.	LIN. FT
F. 556-7 Rural					
Sta. 814+27.67 to Sta. 815+60.67		33.0			33.0

ITEM I-13 CONCRETE SIDEWALKS 4" THICK

	F.556-7 Springfield (MUNICIPAL)	F.556-7 RURAL	F.16-2 Rural	F.16-2 So. Vienna (MUNICIPAL)	PROJECT TOTAL
	Sq. Ft.	Sq.Ft	Sq.Ft.	Sq.Ft.	Sq.Ft.
F. 556-7 Springfield (MUNICIPAL)					
From Typical Section No 1, 2 & 3 1170.19 x 2 2340.4 =					
Deduct for Drives & Approaches 437.0					
Net Length 1903.4 Lin.Ft.					
1903.4 x 5 = 9517.0 Sq.Ft.					
From Drive & Approach Table 468.1 Sq.Ft.					
Total F.556-7 Springfield (MUNICIPAL) use	9985.				
F. 556-7 Rural					
From Typical Section No 4 370.7					
Deduct for Bridge 6.7					
Net Length 364.0 Lin.Ft.					
From Typical Section No 5 244.0 Lin.Ft.					
From Typical Section No 6 106.0 Lin.Ft.					
TOTAL 714.0 Lin.Ft.					
TOTAL F.556-7 Rural 714.0 x 5 =		3570.0			
F.16-2 Rural					
From Typical Section No. 10					
1625 x 2 3250.0					
Deduct for Drives, Approaches, etc. 818.5					
Net Length 2431.5 Lin.Ft.					
2431.5 x 4 = 9726.0 Sq.Ft.					
Sq.Ft.					
TOTAL F.16-2 Rural =			9726.0		
F.16-2 South VIENNA (MUNICIPAL)					
From Drive & Approach Table 1775.0 Sq.Ft.					
TOTAL F.16-2 South VIENNA (MUNICIPAL)				1775.0	25,056

ITEM: I-19 INSULATION COURSE 1¼" THICK

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So. VIENNA (MUNICIPAL)	PROJECT TOTAL
	Sq.Yds.	Sq.Yds.	Sq.Yds	Sq.Yds.	Sq.Yds.
F. 556-7 Springfield (MUNICIPAL)					
From B-35 Base Course Calculations 3,340.7 Sq.Yds.					
TOTAL F. 556-7 Springfield (MUNICIPAL) use	3,341				
F. 556-7 Rural					
From B-35 Base Course Calculations 123.7 Sq.Yds.					
TOTAL F. 556-7 Rural use		124			
F. 16-2 Rural					
From B-35 Base Course Calculations 9,817.3 Sq.Yds.					
TOTAL F.16-2 Rural use			9,815		
F. 16-2 South Vienna (Municipal)					
From B-35 Base Course Calculations 738.9 Sq.Yds.					
TOTAL F. 16-2 South VIENNA (MUNICIPAL) use				739	14,019

ITEM: I-17; SIDE APPROACH, MAIL BOX TURNOUTS AND BERM MATERIAL 4" THICK

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So. VIENNA (MUNICIPAL)	PROJECT TOTAL
	Cu.Yds.	Cu.Yds.	Cu.Yds.	Cu.Yds.	Cu.Yds.
F. 556-7 Springfield (MUNICIPAL)					
From Drive & Approach Table 58.6 Sq.Yds.					
58.6 x 4 x 1.20 ÷ 36 = 7.8 Cu.Yds					
TOTAL F. 556-7 Springfield (MUNICIPAL)	8				
F. 556-7 Rural					
From Drive & Approach Table 3116.6 Sq.Yds.					
3116.6 x 4 x 1.20 ÷ 36 = 415.5 Cu.Yds.					
Estimated for Mailbox Turnout 100.0 Cu.Yds.		516			
F. 16-2 Rural					
From Drive & Approach Table 5,382.8 Sq.Yds.					
5,382.8 x 4 x 1.20 ÷ 36 = 717.7 Cu.Yds.					
Estimated for Mailbox Turnout = 200 Cu.Yds.					
TOTAL F.16-2 Rural			918		
F. 16-2 South VIENNA (MUNICIPAL)					
From Drive & Approach Table 507 Sq.Yds.					
507.0 x 4 x 1.20 ÷ 36 = 67.6 Cu.Yds.					
Estimated for Mailbox Turnouts-10.0 Cu.Yds.					
TOTAL F.16-2 South VIENNA (MUNICIPAL)				78	1520

ITEM B-11 SPREADING, SHAPING & COMPACTING 8" THICK

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So. VIENNA (MUNICIPAL)	PROJECT TOTAL
	Sq.Yds	Sq.Yds.	Sq.Yds.	Sq.Yds	Sq.Yds
F. 556-7 Springfield (MUNICIPAL)					
From Drive & Approach Table 694.0 Sq.Yds.					
TOTAL F. 556-7 Springfield (MUNICIPAL)	694				
F. 556-7 Rural					
From Drive & Approach Table 6,554.2 Sq.Yds.					
TOTAL 556-7 Rural		6554			
F. 16-2 Rural					
From Drive & Approach Table 1517.1 Sq.Yds.					
TOTAL F.16-2 Rural			1517		
F. 16-2 South VIENNA (MUNICIPAL)					
From Drive & Approach Table 1607.0 Sq.Yds.					
TOTAL F.16-2 South VIENNA (MUNICIPAL)				1607	10,372

ITEM B-11 DELIVERED COMPLETED MIXTURE

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So. VIENNA (MUNICIPAL)	PROJECT TOTAL
	Cu.Yds.	Cu.Yds.	Cu.Yds.	Cu.Yds.	Cu.Yds.
F. 556-7 Springfield (MUNICIPAL)					
From Drive & Approach Table 694.0 Sq.Yds.					
TOTAL F.556-7 Spgfld (MUNICIPAL) = 694.0 x 8 x 1.30 ÷ 36 =	200				
F. 556-7 Rural					
From Drive & Approach Table 6,554.2 Sq.Yds.					
TOTAL F. 556-7 Rural = 6,554.2 x 8 x 1.30 ÷ 36 =		1893			
F. 16-2 Rural					
From Drive & Approach Table 1,517.1 Sq.Yds.					
TOTAL F. 16-2 Rural = 1,517.1 x 8 x 1.30 ÷ 36 =			438		
F. 16-2 South VIENNA (MUNICIPAL)					
From Drive & Approach Table 1,607.0 Sq.Yds.					
TOTAL F.16-2 South VIENNA (MUNICIPAL) = 1,607.0 x 8 x 1.30 ÷ 36 =				464	2995

PAVEMENT CALCULATIONS

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-556-7 F4-556-7 F-16-2	POST WAR

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CLARK COUNTY
CLA.40 (15.18 - 23.88)

ITEM B-11 DELIVERED & APPLIED WATER

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (municipal)	PROJECT TOTAL
	M.Gal	M.GAL	M.GAL	M.GAL	M.GAL
F. 556-7 Springfield (MUNICIPAL) From B-11 Delivered Completed Mixture Calculations. 200 Cu.Yds.					
TOTAL F.556-7 Springfield (MUNICIPAL) = (200 x 3780 x .05) / (8.33 x 1000) =	4.5				
F.556-7 Rural From B-11 Delivered Completed Mixture Calculations. 189.3 Cu.Yds.					
TOTAL F.556-7 Rural = (189.3 x 3780 x .05) / (8.33 x 1000) =		42.9			
F.16-2 Rural From B-11 Delivered Completed Mixture Calculations 438 Cu.Yds.					
TOTAL F.16-2 Rural = (438.0 x 3780 x .05) / (8.33 x 1000)			9.9		
F.16-2 South Vienna (MUNICIPAL) From B-11 Delivered Completed Mixture Calculations 464 Cu.Yds.					
TOTAL F.16-2 South Vienna (MUNICIPAL) = (464.0 x 3780 x 0.5) / (8.33 x 1000) =				10.5	67.8

ITEM T-32 No 46 AGGREGATE FOR ROADMIX 90# TREATMENT (Method A, B or C.).

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (municipal)	PROJECT TOTAL
	Cu.Yds.	Cu.Yds.	Cu.Yds	Cu.Yds.	Cu.Yds.
F.556-7 Springfield (MUNICIPAL) From Drive & Approach Table 830 Sq.Yds.					
TOTAL F.556-7 Springfield (MUNICIPAL) = 830 x 0.0375 =	31.1				
F.556-7 Rural From Drive & Approach Table 6,343.2 Sq.Yds.					
TOTAL F.556-7 Rural = 6,343.2 x 0.0375 =		237.9			
F.16-2 Rural From Drive & Approach Table 1480.2 Sq.Yds.					
TOTAL F.16-2 Rural 1480.2 x 0.0375 =			55.5		
F.16-2 South Vienna (MUNICIPAL) From Drive & Approach Table 1597.0 Sq.Yds.					
TOTAL F.16-2 So. Vienna (MUNICIPAL) = 1597.0 x 0.0375 =				59.9	384.4

ITEM T-32 No. 9 AGGREGATE FOR CHOKE

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (municipal)	PROJECT TOTAL
	Cu.Yds	Cu.Yds.	Cu.Yds	Cu.Yds.	Cu.Yds.
F.556-7 Springfield (MUNICIPAL) From Drive & Approach Table 830 Sq.Yds.					
TOTAL F.556-7 Springfield (MUNICIPAL) = 830 x 0.00375 =	3.1				
F.556-7 Rural From Drive & Approach Table 6,343.2 Sq.Yds.					
TOTAL F.556-7 Rural = 6343.2 x 0.00375 =		23.8			
F. 16-2 Rural From Drive & Approach Table 1480 Sq.Yds.					
TOTAL F.16-2 Rural = 1480.0 x 0.00375 =			5.6		
F. 16-2 South Vienna (MUNICIPAL) From Drive & Approach Table 1597.0 Sq.Yds.					
TOTAL F.16-2 South Vienna (MUNICIPAL) = 1597.0 x 0.00375 =				6.0	36.5

ITEM T-32 No. 6 AGGREGATE FOR SEAL

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (municipal)	PROJECT TOTAL
	Cu.Yds	Cu.Yds.	Cu.Yds	Cu.Yds.	Cu.Yds.
F.556-7 Springfield (MUNICIPAL) From Drive & Approach Table 830 Sq.Yds					
TOTAL F.556-7 Springfield (MUNICIPAL) = 830 x 0.0075	6.2				
F.556-7 Rural From Drive & Approach Table 6,343.2 Sq.Yds					
TOTAL F.556-7 Rural = 6,343.2 x 0.0075 =		47.6			
F.16-2 Rural From Drive & Approach Table 1480.2 Sq.Yds.					
TOTAL F.16-2 Rural = 1,480.2 x 0.0075 =			11.1		
F.16-2 South Vienna (MUNICIPAL) From Drive & Approach Table 1597.0 Sq.Yds.					
TOTAL F.16-2 So. Vienna (MUNICIPAL) = 1597.0 x 0.0075 =				12.0	76.9

ITEM: T-32 BITUMINOUS MATERIAL (Sec.— M. 5.7, RT-7, 8 or 9) FOR ROAD MIX

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (MUNICIPAL)	PROJECT TOTAL
	Gals.	Gals.	Gals.	Gals	Gals.
F.556-7 Springfield (MUNICIPAL) From Drive & Approach Table 830 Sq.Yds.					
TOTAL F.556-7 Springfield (MUNICIPAL) = 830.0 x 0.70 =	581				
F.556-7 Rural From Drive & Approach Table 6,343.2 Sq.Yds.					
TOTAL F.556-7 Rural = 6,343.2 x 0.70 =		4440			
F.16-2 Rural From Drive & Approach Table 1,480.2 Sq.Yds.					
TOTAL F.16-2 Rural = 1480.2 x 0.70 =			1036		
F.16-2 South Vienna (MUNICIPAL) From Drive & Approach Table 1,597.0 Sq.Yds.					
TOTAL F.16-2 South Vienna (MUNICIPAL) = 1597.0 x 0.70 =				1118	7175

ITEM T-7 REINFORCED CONCRETE APPROACH SLABS, STD. TYPE AS-4-47

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (MUNICIPAL)	PROJECT TOTAL
	Sq. Yds.	Sq. Yds.	Sq. Yds	Sq. Yds.	Sq. Yds.
F16-2 Bridge Sta. 1031+61.65					
TOTAL F.16-2 = 2 x 24 x 15 ÷ 9 = 2½" (2 Courses) Asphaltic Concrete Surface Course = 80 x 2½ ÷ 36 = 5.5 Cu. Yds. included under Item T-32 above.			80		

ITEM L-9 SEEDING & PROTECTING TYPE "A"

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (MUNICIPAL)	PROJECT TOTAL
	9000	144,000	323,000	72,000	548,000

Item L-9 Commercial Fertilizer (10-6-4)

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (MUNICIPAL)	PROJECT TOTAL
	TONS	TONS	TONS	TONS	TONS
F.556-7 (MUNICIPAL) 9000 x 9/1000 x 20 ÷ 2000	0.81				
F.556-7 (Rural) (144,000 + 5000) x 9/1000 x 20 ÷ 2000		13.41			
F.16-2 (Rural) (323,000 + 10,000) x 9/1000 x 20 ÷ 2000			29.97		
F.16-2 (MUNICIPAL) (72000 + 2000) x 9/1000 ÷ 2000				6.66	
Total Item L-9 Commercial Fertilizer					50.85

ITEM L-9 AGRICULTURAL GROUND LIMESTONE

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (MUNICIPAL)	PROJECT TOTAL
	TONS	TONS	TONS	TONS	TONS
F.556-7 (MUNICIPAL) 9000 x 9/1000 x 100 ÷ 2000 =	4.05				
F.556-7 (Rural) (144,000 + 5000) x 9/1000 x 100 ÷ 2000 =		67.05			
F.16-2 (Rural) (323,000 + 10,000) x 9/1000 x 100 ÷ 2000 =			149.85		
F.16-2 (MUNICIPAL) (72,000 + 2000) x 9/1000 x 100 ÷ 2000 =				33.30	
Total Item L-9 Agricultural Ground Limestone					250.25

ITEM L-10 SODDING

Quantities are estimated for prevention of erosion in roadway ditches and around drainage structures. Location will be determined during construction, any quantities not needed shall be non-performed

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (MUNICIPAL)	PROJECT TOTAL
	—	Sq. Yds.	Sq. Yds.	Sq. Yds.	
ESTIMATED QUANTITIES		5000	10000	2000	17000

ITEM E-11 WATER

	F.556-7 Springfield (MUNICIPAL)	F.556-7 Rural	F.16-2 Rural	F.16-2 So.Vienna (MUNICIPAL)	PROJECT TOTAL
	M.Gals	M.Gals	M.Gals	M.Gals	M.Gals.
F.556-7 (MUNICIPAL) 2856 x 5 ÷ 1000 =	14.3				
F.556-7 (Rural) 61758 x 5 ÷ 1000 =		308.8			
F.16-2 (Rural) 171,473 x 5 ÷ 1000 =			857.4		
F.16-2 (MUNICIPAL) 12799 x 5 ÷ 1000 =				64.0	
Total Item E-11					1244.5

ITEM - SPECIAL SEPTIC TANKS ABANDONED

F-16-2 - Sta. 975+89 Rt.	2

ITEM T-32 BITUMINOUS MATERIAL (Sec. M-5.7, RT-7, 8, 9 or 10) FOR SEAL COAT.

	F.556-7 Springfield (MUNICIPAL)	F.556-7 RURAL	F.16-2 RURAL	F.16-2 SOUTH VIENNA (MUNICIPAL)	PROJECT TOTAL
	Gals.	Gals.	Gals.	Gals.	Gals.
F.556-7 Springfield (MUNICIPAL) From Drive & Approach Table 830.0 Sq.Yds.					
TOTAL F.556-7 Springfield (MUNICIPAL) = 830.0 x 0.25 =	208				
F.556-7 Rural From Drive & Approach Table 6,343.2 Sq.Yds.					
TOTAL F.556-7 Rural = 6,343.2 x 0.25 =		1586			
F.16-2 Rural From Drive & Approach Table 1480.2 Sq.Yds.					
TOTAL F.16-2 Rural = 1480.2 x 0.25 =			370		
F.16-2 South Vienna (MUNICIPAL) From Drive & Approach Table 1597.0 Sq.Yds.					
TOTAL F.16-2 South Vienna (MUNICIPAL) = 1597.0 x 0.25 =				399	2563

Corrected 11/18/48 A.I.G.

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

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227

CLARK COUNTY
CLA.-40 (15.18 - 23.88)

GENERAL SUMMARY

ITEM	QUANTITY F-55G-7 MUNICIPAL SPRINGFIELD	FG-55G-7 MUNICIPAL SPRINGFIELD	FG-83G-7 RURAL	F-55G-7 RURAL	F-16-2 RURAL	F-16-2 MUNICIPAL VIENNA	TOTAL	UNIT	DESCRIPTION	QUANTITY SEPARATION CODE NO 7221 F-55G-7	7221 F-16-2	G201 F-55G-7	G201 F-16-2
									ROADWAY				
E-1	3894			84,488	123,183	65,732	277,297	Cu.Yds.	Roadway Excavation	~~84,488~~	~~187001 100035~~	3894	~~1914 880~~
E-4					21,367		21,367	Cu.Yds	Borrow		~~17,569 21,367~~		3798
E-8					166	383	549	Sq.Yds.	Removal & Disposal of Existing Pavement		549		
E-9				Lump	Lump	Lump	Lump	Lump	Removal of trees & Stumps	Lump	Lump		
E-11	14			309	857	64	1244	M.Gal.	Water (Estimated)	~~309~~	~~903 920~~	14	~~18~~ 4
E-12				408	236		644	Lin.Ft.	Pipe Removed and Stored 15" and under	408	220		16
E-12	6				126		132	Lin.Ft.	Pipe Removed and Stored over 15"		126	6	
E-12	401	51	24	430	1519	158	2583	Lin.Ft.	Pipe Removed and Disposed of 15" and under	~~454 430~~	1627	~~452 476~~	50
E-12				378	353	907	1638	Lin.Ft.	Pipe Removed and Disposed of over 15"	378	1260		
I-1					52		52	Lin.Ft.	8" Pipe for Driveways		52		
I-1				120	372	136	628	Lin.Ft.	12" Pipe for Driveways	120	508		
I-1					44		44	Lin.Ft.	15" Pipe for Driveways		44		
I-1				83			83	Lin.Ft.	18" Pipe for Driveways	83			
I-1					146		146	Lin.Ft.	24" Pipe for Driveways		146		
I-1					40		40	Lin.Ft.	30" Pipe for Driveways		40		
I-2	345			97	189	83	708	Lin.Ft.	12" Pipe Storm Sewers	97	266	345	
I-2				18	14		32	Lin.Ft.	18" Pipe Storm Sewers	18	14		
I-2				2		153	155	Lin.Ft.	24" Pipe Storm Sewers	2	153		
I-2					208		208	Lin.Ft.	8" Pipe Storm Sewers Under Pavement		208		
I-2	107			152	498	647	1404	Lin.Ft.	12" Pipe Storm Sewers Under Pavement	152	869	107	276
I-2				545	379	75	999	Lin.Ft.	15" Pipe Storm Sewers Under Pavement	545	454		
I-2	6			373	158		537	Lin.Ft.	18" Pipe Storm Sewers Under Pavement	373	158	6	
I-2				130		398	528	Lin.Ft.	24" Pipe Storm Sewers Under Pavement	130	398		
I-2				72	63		135	Lin.Ft.	30" Pipe Storm Sewers Under Pavement	72	63		
I-2				76	59		135	Lin.Ft.	12" Pipe Storm Sewers Sec. M-64 (d)	76	59		
I-2				55	395		450	Lin.Ft.	15" Pipe Storm Sewers Sec. M-64 (d)	55	395		
I-2					174		174	Lin.Ft.	18" Pipe Storm Sewers Sec. M-64 (d)		174		
I-2						130	130	Lin.Ft.	24" Pipe Storm Sewers Sec. M-64 (d)		130		
I-3					334		334	Lin.Ft.	6" Pipe for Roadway Drainage		334		
I-3				4	20		24	Lin.Ft.	8" Pipe for Roadway Drainage	4	20		
I-3				487	20		507	Lin.Ft.	12" Pipe for Roadway Drainage	487	10		10
I-3					20		20	Lin.Ft.	15" Pipe for Roadway Drainage		20		
I-3		12					12	Lin.Ft.	8" Pipe outlets for Roadway Drainage			12	
I-3				10			10	Lin.Ft.	12" Pipe outlets for Roadway Drainage	10			
I-3				66			66	Lin.Ft.	12 Pipe for Roadway Drainage Under Drives	66			
I-4				3040	10380	7304	20,724	Lin.Ft.	6" Pipe Underdrain	3040	17684		
I-4				20	90	10	120	Lin.Ft.	6" Pipe Outlet for Underdrain	20	100		
I-5				1			1	Each	24"×12" Tee Pipe Special for Storm Sewers	1			
I-5					5	5	10	Each	6"×15" Tee Pipe Special for Roadway Drainage		10		
I-5				2	14	8	24	Each	6" Pipe Special for Underdrains	2	22		
I-5	1			2	2		5	Each	12" Pipe Special for Storm Sewers	2		1	2
I-5				1	1		2	Each	18"×45° Curve Pipe Special for Storm Sewers	1	1	+	
I-5				1			1	Each	18"×12" Tee Pipe Special for Roadway Drainage	1			
I-5		2			1		3	Each	8"×30° Curve Pipe Special for Roadway Drainge		1	2	
I-8				6	9	3	18	Each	Catch Basin Std. No. 1-2A	6	12		
I-8					3		3	Each	Catch Basin Std. No. 2-2A Modified		4		4
I-8	7			2	6	5	20	Each	Catch Basin Std. No. 3-A	2	5	7	6
I-8				3	3		6	Each	Catch Basin Std. No. 1-5 As per plan	3	3		

Revisions made in red 84-12-21 no rel

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FQ-556-7 F-16-2	POST WAR

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CLARK COUNTY
CLA.40-15.18-23.88

GENERAL SUMMARY

ITEM	QUANTITY: F-556-7 MUNICIPAL SPRINGFIELD	QUANTITY: FG-556-7 MUNICIPAL SPRINGFIELD	QUANTITY: FG-356-7 RURAL	QUANTITY: F-556-7 RURAL	QUANTITY: F-16-2 RURAL	QUANTITY: F-16-2 MUNICIPAL VIENNA	TOTAL	UNIT	DESCRIPTION	QUANTITY SEPARATION CODE NO. 7221: F-556-7	7221: F-16-2	6201: F-556-7	6201: F-16-2
I-8					3	1	4	Each	Catch Basin I-4 Std. as per plan		4		
F-8				1	1		2	"	Catch Basin #7 Std.	1	1		
I-8				2	2		4	"	Std. Catch Basin 14-A (Modified)	2	2		
I-8	2						2	"	Std. Combination Inlet Manhole No. 3-A			2	
I-8	1			1	3		5	"	Manholes No. 1 Std.	1		1	3
F-8				3			3	"	Side Ditch Inlet No. 1 Std.	3			
I-8	2			1			3	"	Manholes Adjusted to Grade	1		2	
I-10				12	57		69	Sq. Yds.	Rip Rap Type "A" Grouted	12	57		
I-13	9985			3570	2726	1775	25,056	Sq. Ft.	Concrete Sidewalks, 4" Thick	3570	1775	9985	9726
I-14				50			50	Lin. Ft.	Paved Gutter Special as per Plan Type "A"	50			
I-14			~~200~~	200	100	40	640	Lin. Ft.	Paved Gutter Special as per Plan Type "B"	200	340	~~200~~	100
I-15				1866	3798		5,664	Lin. Ft.	Guard Rail Removed & Stored	1866	3798		
I-15				60	1,532.5		1,618.5	Lin. Ft.	Guard Rail, Steel Beam, Type Deep	60	1527.5		25
I-16	9	1		7	11	5	33	Each	Catch Basins & Inlets, Abandoned	7	8 / 5	10	7 / 6
I-17	8			516	318	78	1,520	Cu. Yds.	Side Approaches, Mail Box Turn-outs & Berm Material	516	885	8	111
L-9	9000			144,000	323,000	72,000	548,000	Sq. Yds.	Seeding & Protecting Type "A"	144,000	382,000	9000	13,000
L-9	4.05			67.05	149.85	33.30	254.25	Tons	Agricultural Ground Limestone	67.05	177.35	4.05	5.8
L-9	0.81			13.41	29.97	6.66	50.85	Tons	Commercial Fertilizer (10-6-4 Mix)	13.41	35.43	0.81	1.2
L-10				5,000	10,000	2,000	17,000	Sq. Yds.	Sodding	5000	11000		1000
SS-112	198			2933	3,416	3661	10,208	Cu. Yds.	Classified Embankment Material As per plan	2933	6855	198	222
Special					2		2	Each	Septic Tank Abandoned		2		
									PAVEMENT (ROADWAY ITEMS CONTINUED BELOW)				
B-11	694			6554	1517	1607	10,372	Sq. Yds.	Spreading Shaping and Compacting	6554	3042	694	82
B-11	200			1893	438	464	2,995	Cu. Yds.	Delivered Completed Mixture (Type "B")	1893	878	200	24
B-11	4 / 4			43	10	11 / 10	68	M. Gal.	Delivered and Applied Water	43	20	4	1
B-35	536.8			20.6	1637.1	123.2	2,338	Cu. Yds.	Asphaltic Concrete Base Course, (70-80)	20.6	445.5 / 556.8	556.8 / 650.8	1315.1 / 1603.8
B-35	279.7			52.0	1,220.9	115.4	1,668	Cu. Yds.	Asphaltic Concrete Leveling Course-(70-80)	52.0	127.6	279.7	1208.7
T-30	289			96	1062	111	1558	Gals.	Bituminous Tack Coat, Sec. M-5.5, MS-1	96	331	289	642 / 1193
T-30	174			1639	379	402	2594	Gals.	Bituminous Prime Coat, Sec. M-5.7, RT-2 or 3	1639	761	174	20
T-32	31			238	56	60	385	Cu. Yds.	No. 16 Aggregate for Road Mix.	238	113	31	3
T-32	3			24	6	6	39	Cu. Yds.	No. 2 Aggregate for Choke.	24	11	3	1
T-32	6			48	11	12	77	Cu. Yds.	No. 6 Aggregate for Seal.	48	22	6	1
T-32	581			4440	1036	1118	7,175	Gals.	Bituminous Material, Sec. M-5.7, RT-7, 8, or 9 for Road Mix.	4440	2098	581	56
T-32	208			1586	370	399	2,563	Gals.	Bituminous Material, Sec. M-5.7, RT-7, 8, 9 or 10, for Seal Coat	1586	749	208	20
T-35	270			84	862	77	1,293	Cu. Yds.	Asphaltic Concrete Surface Course, Type "A" (70-80)	84	343 / 520	270	596 / 819
T-71	1,018			41,594	78,156	31,659	152,427	Sq. Yds.	Reinforced Portland Cement Concrete Pav't. 8" Thick.	41,594	109,405	1018	410
I-7					80		80	Sq. Yds.	Reinforced Concrete Approach Slabs.		80		
I-12	2560			3,986.0	4,697	1,309	12,352	Lin. Ft.	Standard Concrete Curb & Gutter, Type E	3986.0	3151 / 1509	2560	3255 / 4057
I-12				535	712		1,247	Lin. Ft.	Standard Concrete Curb & Gutter, Type 3, 12" Base	535	712		
I-12					672.0	425	1,097	Lin. Ft.	Standard Concrete Curb & Gutter, Type 3, 28" Base.		1097		
I-12				535	657		1,192	Lin. Ft.	Standard Concrete Curb Type 3-A.	535	657		
I-12				33.0			33.	Lin. Ft.	Concrete Curb & Gutter, Type Special as per Plan.	33			
F-19	3381			124	2,815	739	16,019	Sq. Yds.	Insulation Course, 1 1/4" Thick.	124	3,076	3381	7,478
I-21	445				969		1,414	Sq. Yds.	Portland Cement Concrete Median Pavement Variable Thickness (4" min. to 12" max)			445	969
									ROADWAY (Continued)				
T-110	200				1,800		2,000	Cu. Yds.	Traffic Compacted Surface Course			200	1800
M-10	4				36		40	Tons	Calcium Chloride.			4	36
E-8	6458			1251	14,143	92.4	22,776	Lin. Ft.	Sealing Only	1251	3,592	6,458	11,475

Revisions made in red on 12-29-48 m.w.j.

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

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CLARK COUNTY
CLA.-40-(5.18-23.88)

GENERAL SUMMARY

ITEM	QUANTITY F-556-7 MUNICIPAL SPRINGFIELD	QUANTITY FG-556-7 MUNICIPAL SPRINGFIELD	QUANTITY FG-556-7 RURAL	QUANTITY F-556-7 RURAL	QUANTITY F-16-2 RURAL	QUANTITY F-16-2 MUNICIPAL VIENNA	TOTAL	UNIT	DESCRIPTION	QUANTITY SEPARATION CODE NO 7221 F-556-7	7221 F-16-2	6201 F-556-7	6201 F-16-2
									STRUCTURES 20' SPAN & UNDER				
E-2				334	1511	54	1899	Cu.Yds.	Excavation for Structures	334	1457		108
E-3				14	752	45	811	Cu.Yds.	Channel Excavation	14	797		
S-1		0.2		1.2	290.7		292.1	Cu.Yds.	Concrete for Structure Class "C"	1.2	290.7	0.2	
S-1				25.5	75.5	5.2	106.2	Cu.Yds.	Concrete for Structure Class "B"	25.5	43.2		37.5
S-4				51	31.004		31.055	Lbs.	Reinforcing Steel	51	28,130		2874
S-22				Lump	Lump		Lump	Lump	Removal of Portions of Existing Structures	Lump	Lump		Lump
S-23				6	26		32	Each	Dowel Holes 1¼"x12"	6	18		8
S-23					84		84	Each	Dowel Holes 1¼"x15"		40		44
S-23					7		7	Each	Dowel Holes 1¼"x18"		7		
S-24					Lump		Lump	Lump	Removal of Existing Structures		Lump		
S-27				73			73	Lin.Ft.	8" Pipe for Roadway Culverts	73			
S-27					18		18	Lin.Ft.	12" Pipe for Roadway Culverts		18		
S-27					208		208	Lin.Ft.	15" Pipe for Roadway Culverts		208		
S-27					191		191	Lin.Ft.	24" Pipe for Roadway Culverts		191		
S-27				166	173		339	Lin.Ft.	30" Pipe for Roadway Culverts	166	173		
S-27				82			82	Lin.Ft.	33" Pipe for Roadway Culverts	82			
S-27					91		91	Lin.Ft.	36" Pipe for Roadway Culverts		91		
S-27				75	255	153	483	Lin.Ft.	42" Pipe for Roadway Culverts	75	408		
S-27					160		160	Lin.Ft.	60" Pipe for Roadway Culverts		160		
I-5				1			1	Ea.	42" x 12" Tee Pipe Special for Roadway Culverts	1			
S-28					154		154	Lin.Ft.	Sectional Corrugated Pipe Arch 7'-9" Span x 5'-4" Rise		154		
Special				16	24		40	Each	Expansion Anchor Bolts as per plan	16	24		
									FOR STRUCTURES OVER 20' SPAN SEE SHEETS No. 218 & 224				
									D.T. & I. RAILROAD FORCE ACCOUNT WORK				
		Lump					Lump	Lump	Telephone and Telegraph Line Work			Lump	
		Lump					Lump	Lump	Engineering, Inspection and Contingencies			Lump	

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

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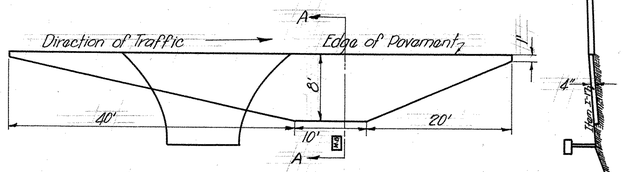
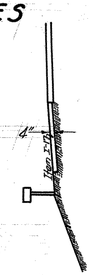
CLARK COUNTY
CLA.-40-(15.18-23.88)

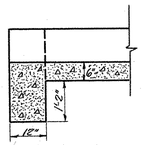
DETAIL OF MAIL BOX APPROACHES



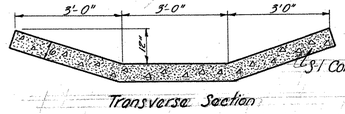


Section A-A

Where feasible drives will be combined with mail box approaches in the manner shown, and the quantities will be adjusted by the Engineer.



Section Thru Ends

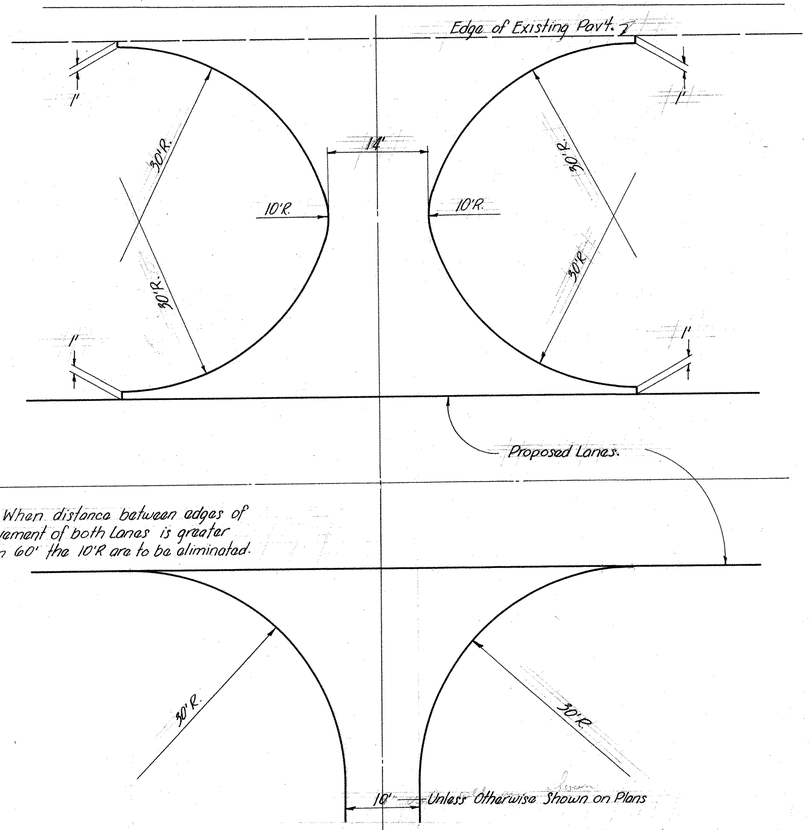


Transverse Section

1:3:1 Concrete Class "E"

Estimated Quantities
Gutter F-556-7 Rural — 200 Lin.Ft.
" F-16-2 Rural — 400 Lin.Ft.
" F-16-2 Municipal 40 Lin.Ft.
Total 640 Lin.Ft.

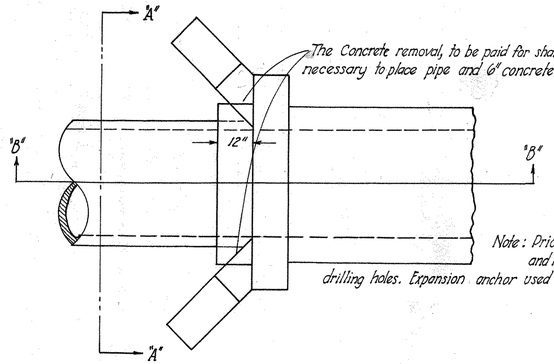
TYPICAL DETAIL OF PAVED GUTTER TYPE "B"
Quantities are Estimated, locations will be Furnished during construction.



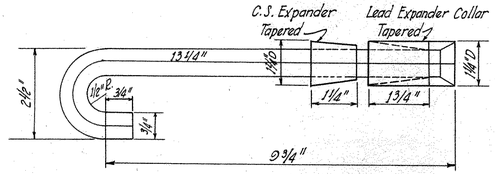
Note: When distance between edges of Pavement of both Lanes is greater than 60' the 10'R are to be eliminated.

TYPICAL DETAIL FOR MEDIAN CROSS-OVER FOR PRIVATE DRIVES

TYPICAL DETAIL FOR COLLAR CONNECTING PIPE TO EXISTING BOX CULVERT

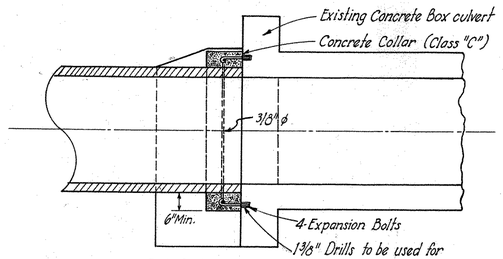


The Concrete removal, to be paid for shall be only that amount necessary to place pipe and 6" concrete collar.

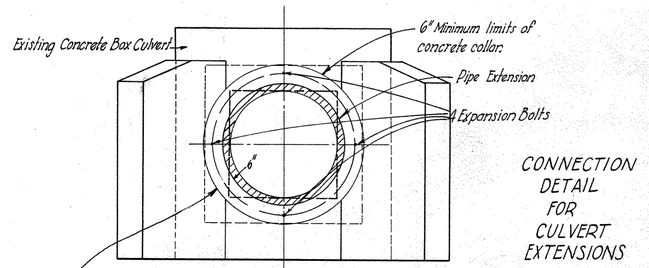


EXPANSION ANCHOR BOLT DETAIL

Note: Price bid for expansion anchor bolts shall include cost of all labor and material required to complete placing of this item, including drilling holes. Expansion anchor used shall be as shown or equal, subject to approval by the Engineer.



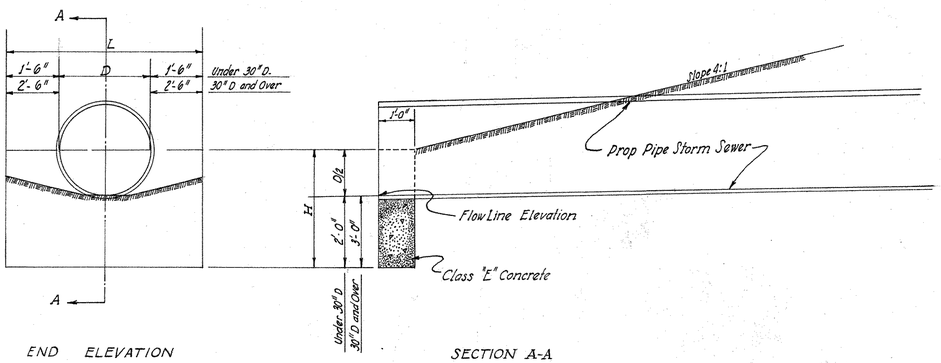
SECTION B-B



CONNECTION DETAIL FOR CULVERT EXTENSIONS

SECTION A-A
(Rotated 90°)

Existing concrete wings to be removed to a minimum of 6" from the outside of proposed pipe extension. Concrete collar shall have a minimum thickness of 6" but outside shape of collar may be varied to facilitate placing Concrete. Basis of Payment shall be a 6" Collar as shown.



END ELEVATION

SECTION A-A

DETAILS OF END WALLS FOR STORM SEWERS.

Dimensions			Quantities for one End Wall	
Diameter of Pipe "D"	H	L	Concrete Class "E" Cu. Yds.	Excavation for Structures Cu. Yds.
12"	2'-6"	4'-0"	0.4	1
15"	2'-7½"	4'-3"	0.4	1
18"	2'-9"	4'-6"	0.4	1
24"	3'-0"	5'-0"	0.5	2
30"	4'-3"	7'-6"	1.0	3
8"	2'-4"	3'-8"	0.3	1

DETAILS OF STRUCTURES

Note: For details not shown on this sheet See large scale sheet.

UTILITY OWNERSHIP

Ohio Edison Co. — Akron, Ohio
Ohio Bell Telephone Co — Dayton, Ohio
Ohio Fuel Gas Co. — Columbus, Ohio
City of Springfield

FED. RD. DIV. NO.	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-556-7 FG-556-7 F-10-2	POST WAR

22
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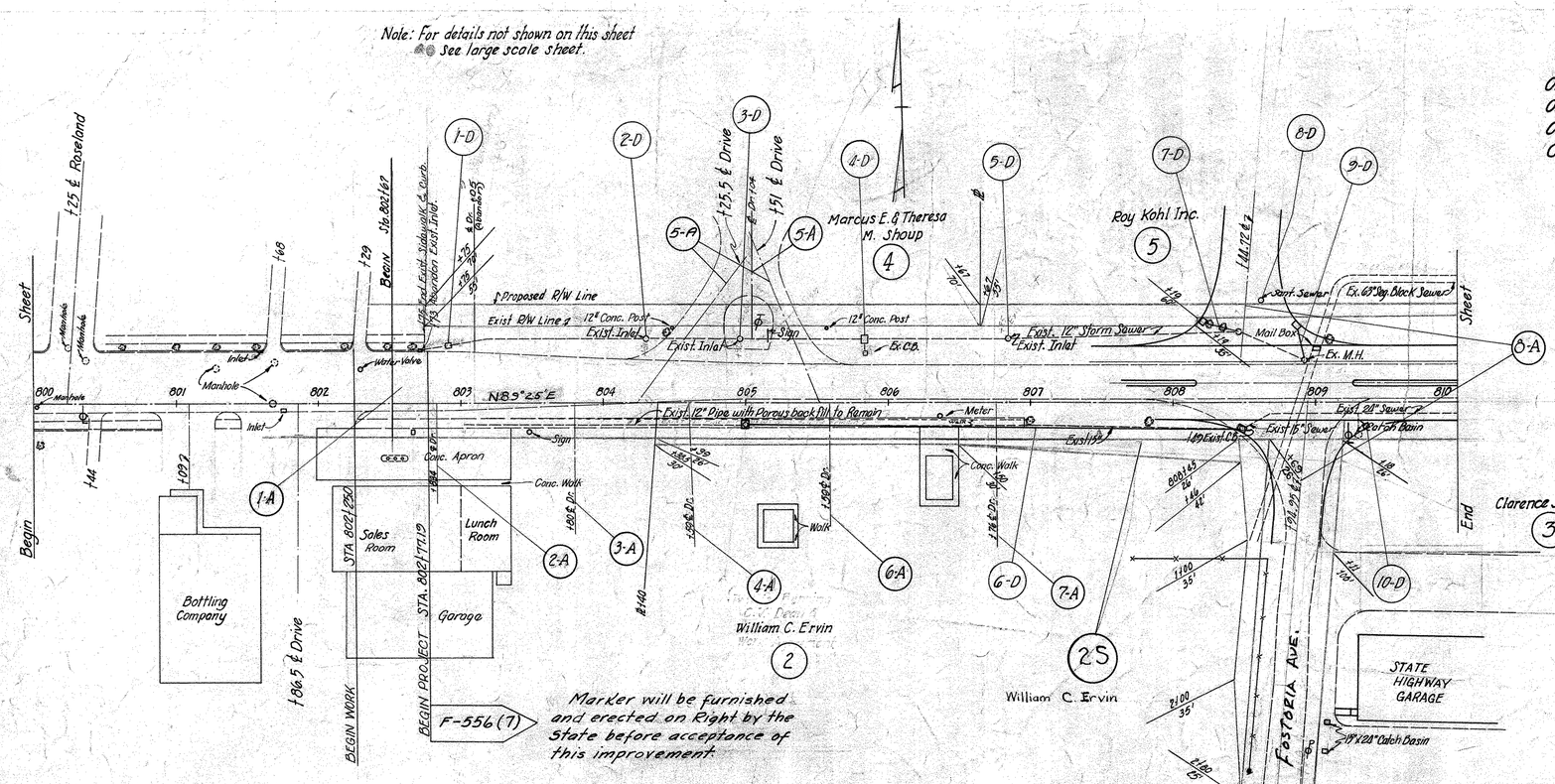
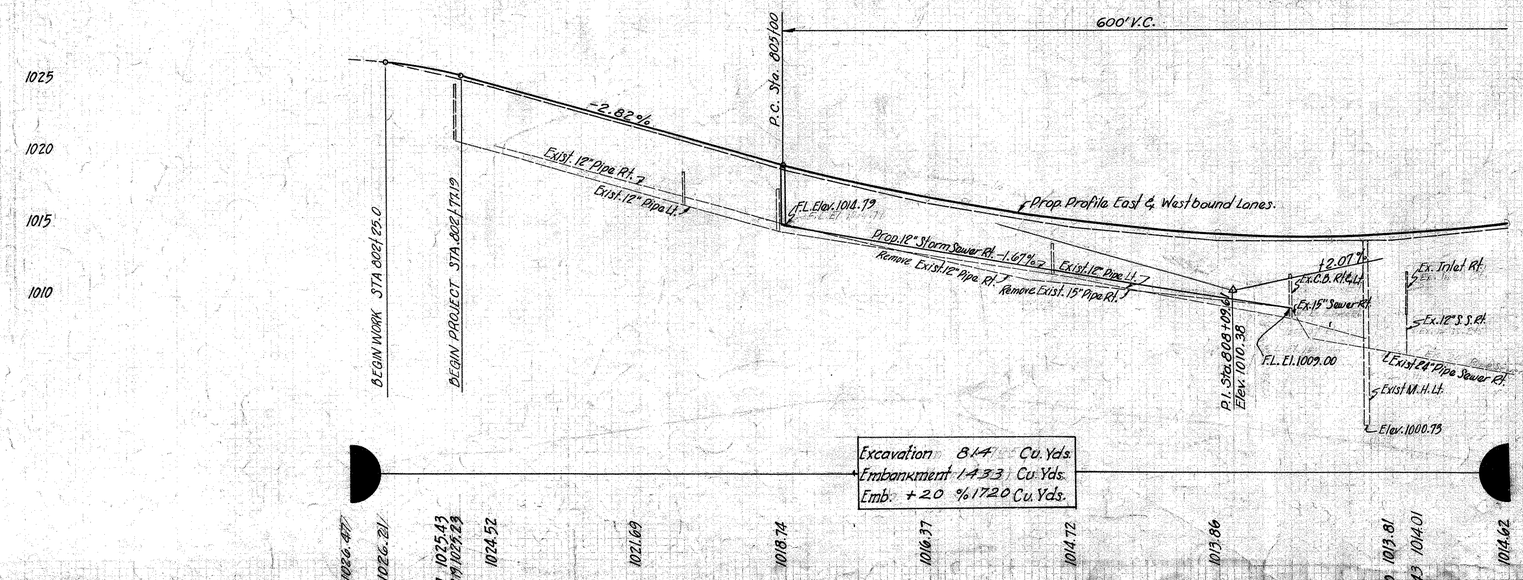
CLARK COUNTY
CLA-40-(15.18-23.88)



Marker will be furnished and erected on Right by the State before acceptance of this improvement.

BENCH MARK
R.R. Spike in 36" Oak, 60 Ft. Left
Sta. 803+55 Elev. 1024.29

All elevations shown are based on U.S.G.S. datum.



Excavation	814	Cu. Yds.
Embankment	1433	Cu. Yds.
Emb. +20 %	1720	Cu. Yds.

PLAN & PROFILE FROM STA. 800+00 TO STA. 810+00

FED. RD DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR.

23
227

CLARK COUNTY
CLA-40-(15.18-23.88)

Curve Data
℄ N. Lane
Δ = 1°46'
R = 12277
D = 0°28'
T = 189.29
C = 378.53
E = 1.46
L = 378.55

Roy Kohl Inc

Note: Markers will be furnished & erected on Left by the State before acceptance of this improvement.

Note: Sta 815+52 of F-556-7 = Sta 20100 of N.R.H. 556-B (1935) = Sta 0+00 beginning of original F.A.P. 556-B (1930)

T.B. HOSPITAL

P.I. Sta. 811+89.22
P.I. Sta. 812+20.92
145 ℄ Drive
P.C. Sta. 814+54.06
Sta. 814+42.35
Sta. 815+29.31
CORPORATION LINE CITY OF SPRINGFIELD
Sta. 815+17.0
P.T. Sta. 818+32.61

Exist. 63" Segment Block Sewer
Exist. 30" Seg. Block Sewer
Present R/W Line
Mail Box
℄ Existing S.R. 40
Exist. 6'x3'2 Semicircular Culvert
Exist. 24" V.S.P. Sewer
Exist. 42" C.I. Sewer
Exist. R/W Line
Abandon Exist. Inlet
Abandon Existing Catch Basin
Ex. Guard Rail
Remove Ex. 6" V.S.P.
Exist. Wood Backwall
Abandoned C.I.L.E R/W Lines
Proposed R/W Line
Begin
P.C. Sta. 810+00
Ex. 6" C.I.P. Abandon Exist. C.B.
Ex. 5'0" C.M.P.
Abandon Exist. Catch Basin
Remove
Exist. 6" V.S.P.
Exist. 15" V.S.P.
120° of 2 Round 18" Tile
Ex. Electric R.R. Cond. Foundations
R.R. R/W Corner Post Marker
P.T. Sta. 813+78.55
P.C. Sta. 814+41.82
Sta. 814+42.35
Sta. 815+29.31
F-556(7)
FG-556(7)
P.I. Sta. 816+48.39
Present R/W Line
Exist. Catch Basin Plugged
Exist. 18" V.S.P.
Abandon Exist. 12" Inlet
Sign
Ex. 12" S.S.
Exist. 18" V.S.P.
℄ Prop. Eastbound Lanes
℄ Prop. Westbound Lanes
N 89° 23' E
S 88° 37' E
Clarence J. Foster
End
Sheet
Sheet

Curve Data
℄ S. Lane
Δ = 2°04'
R = 12249
D = 0°28'
T = 220.92
C = 441.79
E = 1.99
L = 441.82

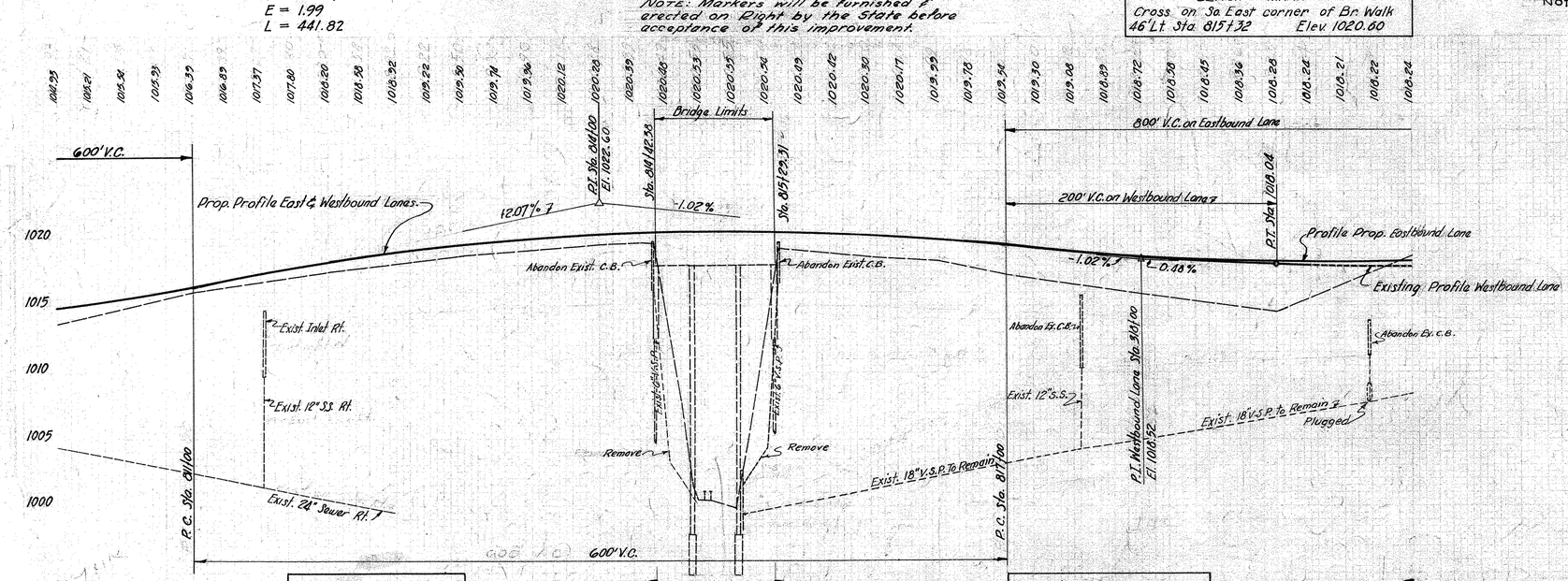
Note: Markers will be furnished & erected on Right by the State before acceptance of this improvement.

Curve Data
℄ N. Lane
Δ = 1°46'
R = 12277
D = 0°28'
T = 189.29
C = 378.53
E = 1.46
L = 378.55

BENCH MARK
Cross on Sa East corner of Br Walk
46' Lt Sta 815+32 Elev 1020.60

Note: For Pavement and Drainage details not shown.
Note: For details not shown on this sheet see large scale sheet.

Note: For bridge data see sheet No. 217



PLAN & PROFILE FROM STA. 810+00 TO STA. 820+00

FED. RD. DIV. NO.	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 P-76-2	POST WAR

24
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CLARK COUNTY
CLA-40-(15.18-23.88)

Note Sta 825+02 of F-356-7 = Sta. 291+50, end of N.R.H 356-B (1935)
Sta. 9+50 of original F.A.P.356-B (1930)

Old Columbus Rd.
NOW OGDEN Rd.

Sec 23, T5, R9
Sec 17, T5, R9

Clark Co. T.B. Hospital

John M. Adams & Ray C. Gallagher.

Edge of Exist. Pav't.

Exist. Catch Basin, no work required.

Exist. 18" V.S.P. to Remain

Prop. 6" Underdrain

Exist. Catch Basin Abandoned & Manhole Erected

Sign

F.L. El. 1034.84

F.L. El. 1033.07

F.L. El. 1027.60

Prop. 24"

Prop. 18"

Exist. 18" V.S.P.

Remove Ex. 18"

Prop. 12"

Prop. 30" Pipe S.S. F.L. El. 1011.00

F.L. El. 1011.50

Existing 24" V.S.P. "24", Remove.

Begin

End

C.J. Foster
3-A
Lot 262

1-D
Lot 261

2-D

James C. Ogle
3-C
Lot 260

Lot 259

C.J. Foster
3-B
Lot 258

Lot 257

Homer & Beulah May
6
Lot 256

5-D

3-A

6-D
Lot 255

Garage

1 Story Residence

Riprap

Old Columbus Rd.

Exist. Pav't.

800' V.C.

P.T. Sta. 825+00
Elev. 1025.52

+3.02%

6" Underdrain Rt. & Lt. +3.02%

Prop. Profile East bound Lane.

-1.02%

+3.02%

P.T. Sta. 821+50
Elev. 1014.95

Abandon 2" El. 1014.00

Exist. 18" V.S.P. to Remain

Prop. 1-B C.B. No. 1-2A. 26' Lt. Sta. 822+50

Inlet El. 1018.50

F.L. El. 1015.30 Rt.

1016.00 ft. 6" Underdrain Rt. & Lt. +2.41%

Connect to 18"6" wye on Lt.

Inlet El. 1023.47

F.L. El. 1020.83

F.L. El. 1020.93

Sta. 825+65, No work Req'd

Inlet El. 1035.50

Prop. 18" Lt.

Prop. 18" Pipe Lt.

Exist. 18" V.S.P. Lt.

F.L. El. 1035.00

F.L. El. 1033.30

F.L. El. 1033.20

F.L. El. 1032.3 ±

Prop. 1-B C.B. No. 1-2A Lt. Sta. 828+05

Excavation 16006 26 Cu. Yds.
Embankment 2376 Cu. Yds.
Emb. + 20 % 2851 Cu. Yds.

BENCH MARK
Cross on S.W. Corner of West Headwall
98 Ft. Lt. Sta. 828+20 Elev. 1037.96

1045
1040
1035
1030
1025
1020
1015

820 821 822 823 824 825 826 827 828 829 830

1018.24 1018.30 1018.37 1018.47 1018.60 1018.76 1018.92 1019.12 1019.37 1019.67 1019.99 1020.37 1020.77 1021.23 1021.72 1022.25 1022.82 1023.41 1024.03 1024.79 1025.52 1027.03 1028.54 1030.05 1031.56 1033.07 1034.58 1036.09 1037.60 1039.11 1040.62

1018.67 1019.62 1016.62 1017.02 1016.82 1016.72 1016.72 1016.01 1016.41 1016.51 1016.81 1026.50 1028.70 1033.00 1037.70 1039.85 1041.65 1043.05 1044.72 1043.32 1044.04

+28 +38 +54 +66 +30 +52 +75 +20 +40 +09 +19

PLAN & PROFILE FROM STA. 820+00 TO STA. 830+00

Sheet

Sheet

Sheet

Sheet

Sec 23, T5, R9
Sec 17, T5, R9

Sheet

Sheet

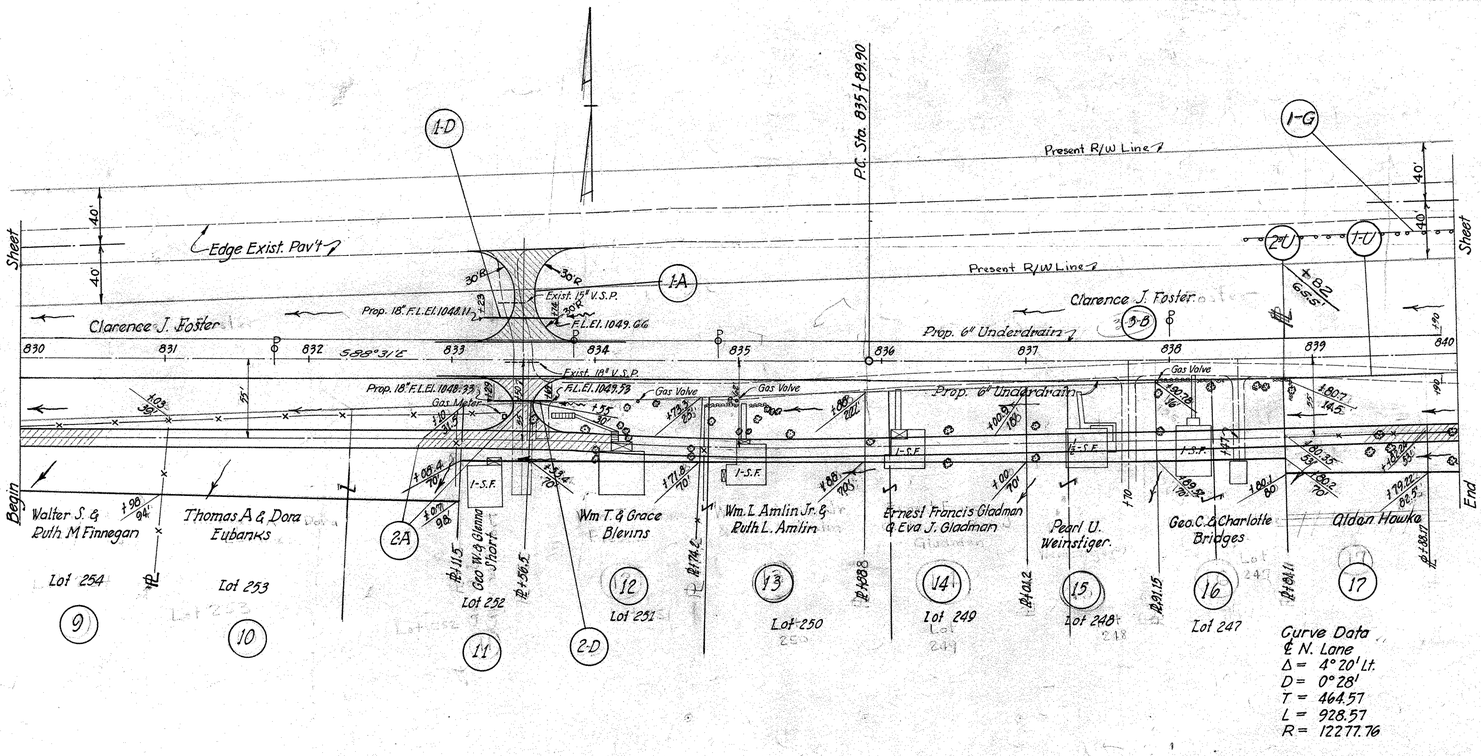
Sheet

Sheet

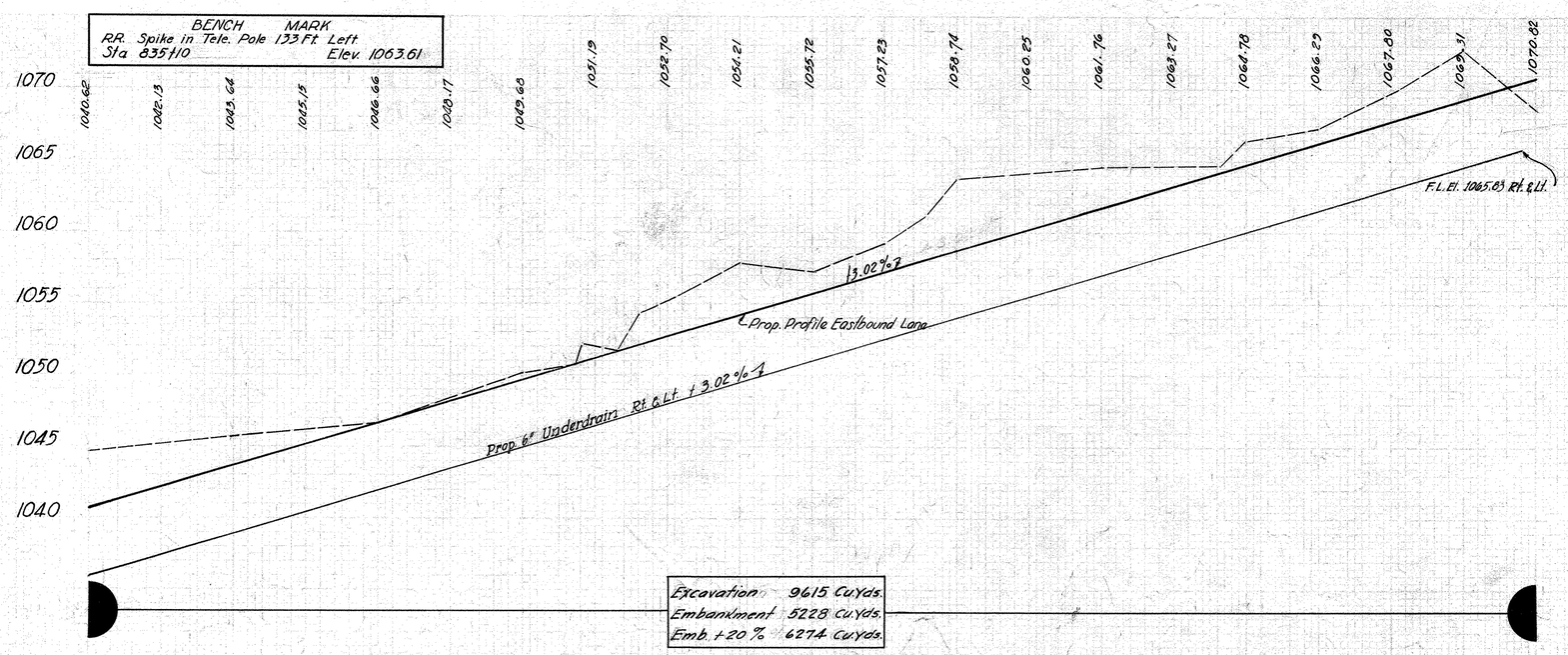
FED. RD. DIV. NO.	STATE	PROJECT	TYPE FUND
2	OHIO	FC-556-7 FC-556-7 F-76-2	POST WAR

25
227

CLARK COUNTY
CLA-40-(15.18-23.88)



BENCH MARK
RR. Spike in Tele. Pole 133 Ft. Left
Sta 835+10 Elev. 1063.61



Excavation	9615 Cu.Yds.
Embankment	5228 Cu.Yds.
Emb. +20 %	6274 Cu.Yds.

PLAN & PROFILE FROM STA. 830+00 TO STA. 840+00

FED. RD. DIV. NO.	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

26
227

CLARK COUNTY
CLA-40-(15.18-23.88)

Curve Data
Δ = 2°39' Rt.
D = 0°16'
T = 496.97
L = 993.75
R = 21485.92

Note:- See detail on right for Tuttle Road Approach

Present R/W Line 7
Edge Exist. Pav't.
Present R/W Line 7
Exist. 2'x2'x4' Conc. Box
P.T. Sta. 845+18.47
Exist. 12" C.M.P.
Timber Bridge to be removed
To remain in place 7
N87°09'E
Exist. 3' Conc. Walk
Begin
End
Street
Street
Tuttle Road
Sign
Utility
Cutter
2 Sty. Fr. Res.
Orchard
Henry P. Hawke
Datum Elev. 1090.00 7
John E. Hawke
Edward W. Hawke
Thomas L. Hawke
Herbert C. Wiegel.
Russell C. Hawke
Weldon D. Hawke
Ella M. Hawke
Mc. Elroy
Curve Data
℄ N. Lane
Δ = 4°20' Lt.
D = 0°28'
T = 464.57
L = 928.57
R = 12277.76
P.I. Sta. 840+54.47
Exist. 2'x2'x5' Concrete Box 7
Concrete Collar
F.L. Elev. 1080.90
Std. I-S Manhole N21, 63' Lt. Sta. 843+78
Prop. 12" Pipe Storm Sewer 7
Prop. 24" Pipe
F.L. El. 1078.00
Begin Prop. 12" Pipe Storm Sewer 31' Lt. Sta. 843+43 F.L. Elev. 1077.49
DETAILS OF DRAINAGE (1-D)
P.C. Sta. 847+60.80
P.T. Sta. 848+00.98
Elev. 1074.98
Slope 7
-0.56% 7
3.02% 7
Leave in Place Exist. 12" C.M.P. 7
Leave Exist. 12" Corr. M. Pipe in place 7
Prop. Profile Eastbound Lane
1600' V.C.
P.C. Sta. 840+00
Elev. 1070.32
BENCH MARK
R.R. Spike in 10" Elm 60 Ft. Right
Sta. 843+90 Elev. 1081.92

Excavation	5693 Cu.Yds
Embankment	+ 23,447 Cu.Yd.
Emb.	+ 20% 28136 Cu.Yd.

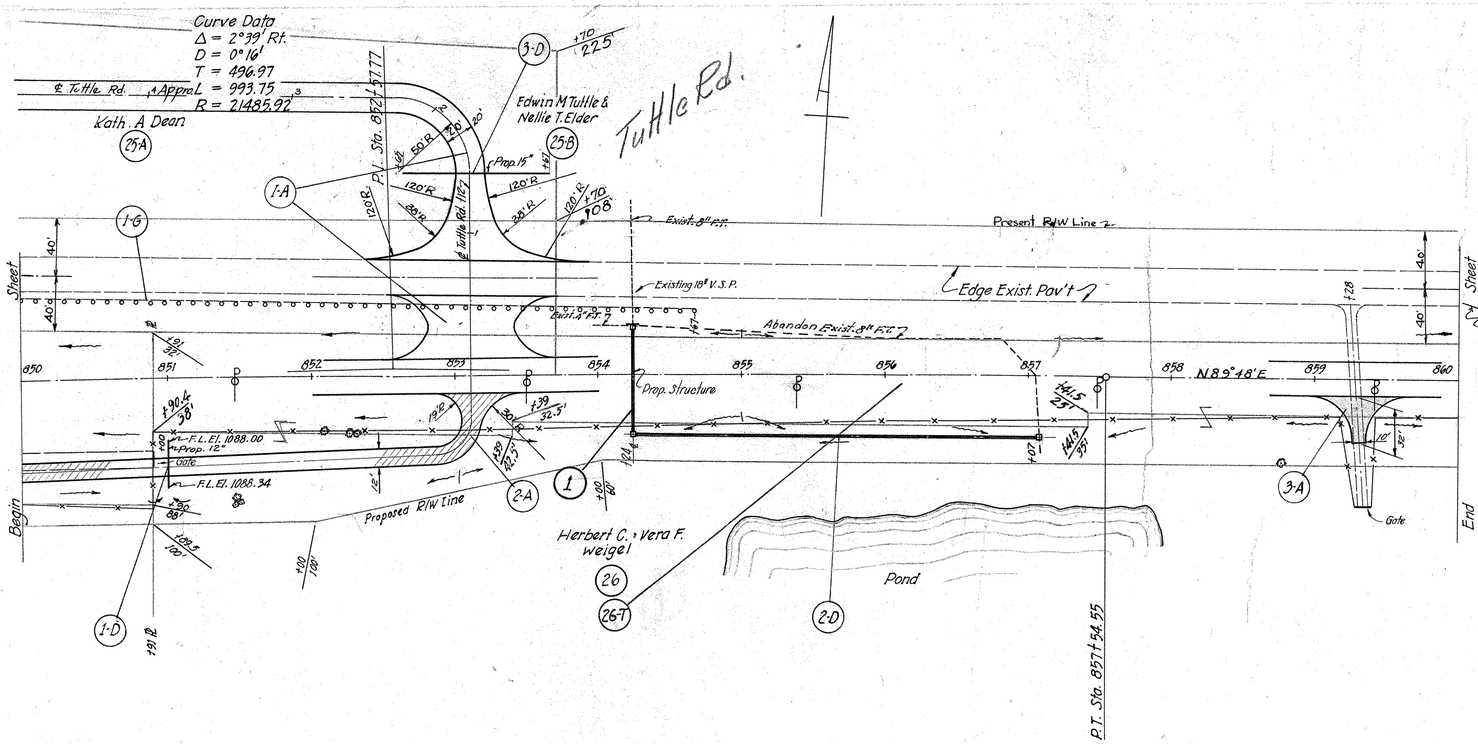
Barn
Motel
P.T. Sta. 848+3
D = 30°
R = 190.99'
25 Sty. Res.
Present R/W Line 7
Edge of Existing Pavt.
℄ of To Tuttle Road Appr.

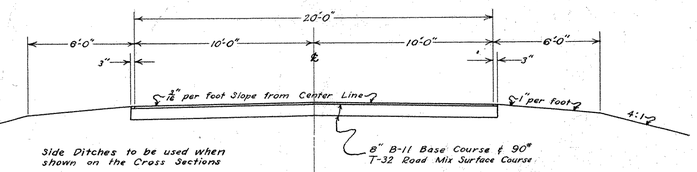
PLAN & PROFILE FROM STA. 840+00 TO STA. 850+00

SHEET	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-554-7 FG-554-7 F-14-2	POST WAR

27
227

CLARK COUNTY
CLA-40-(15.18-23.88)



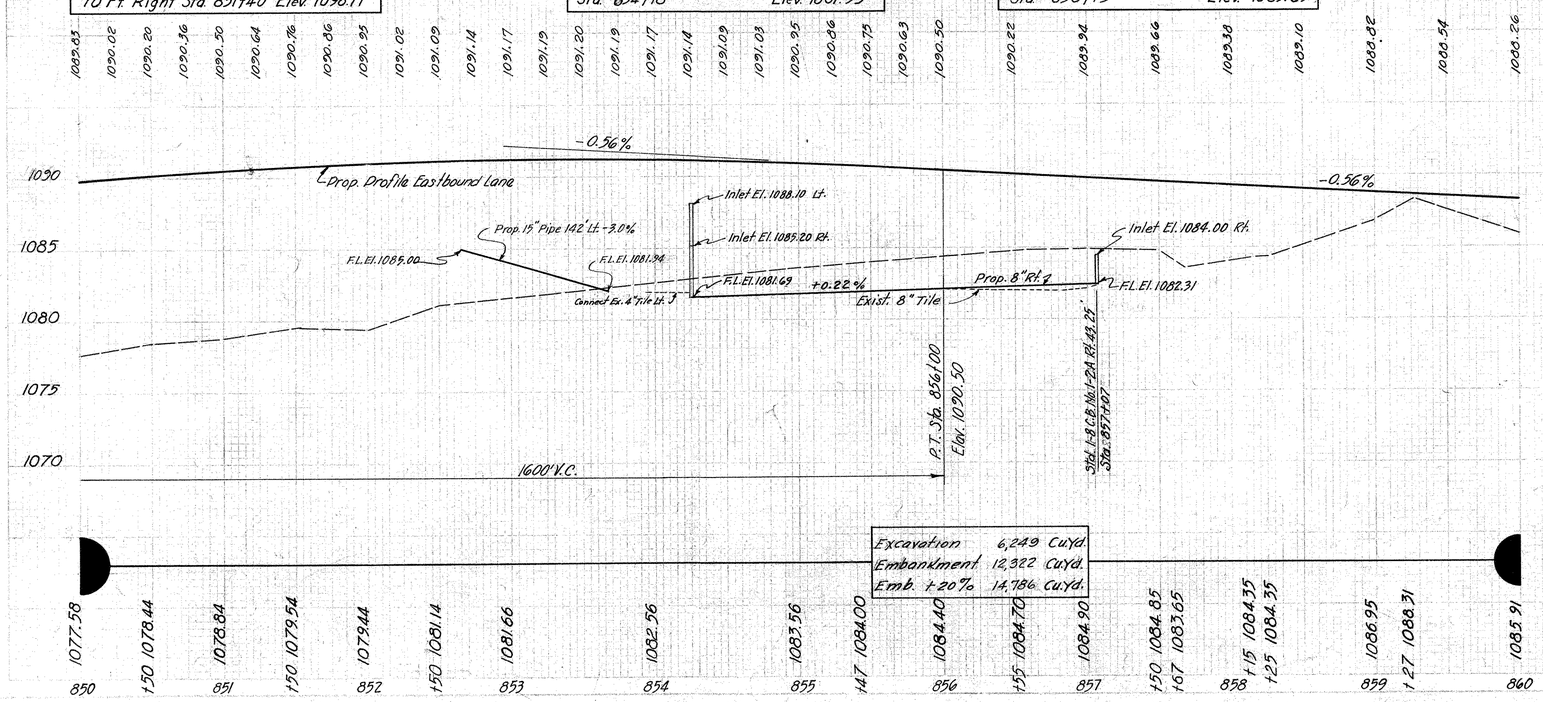


TYPICAL SECTION FOR TUTTLE ROAD
STA. 853+12

BENCH MARK
Spike in Root of Three Pronged Elm
70 Ft. Right Sta. 851+40 Elev. 1096.17

BENCH MARK
South E. Corner of Headwall 30 Ft. Left
Sta. 854+18 Elev. 1087.93

BENCH MARK
R.R. Spike in Tele. Pole 100 Ft. Left
Sta. 858+75 Elev. 1089.89

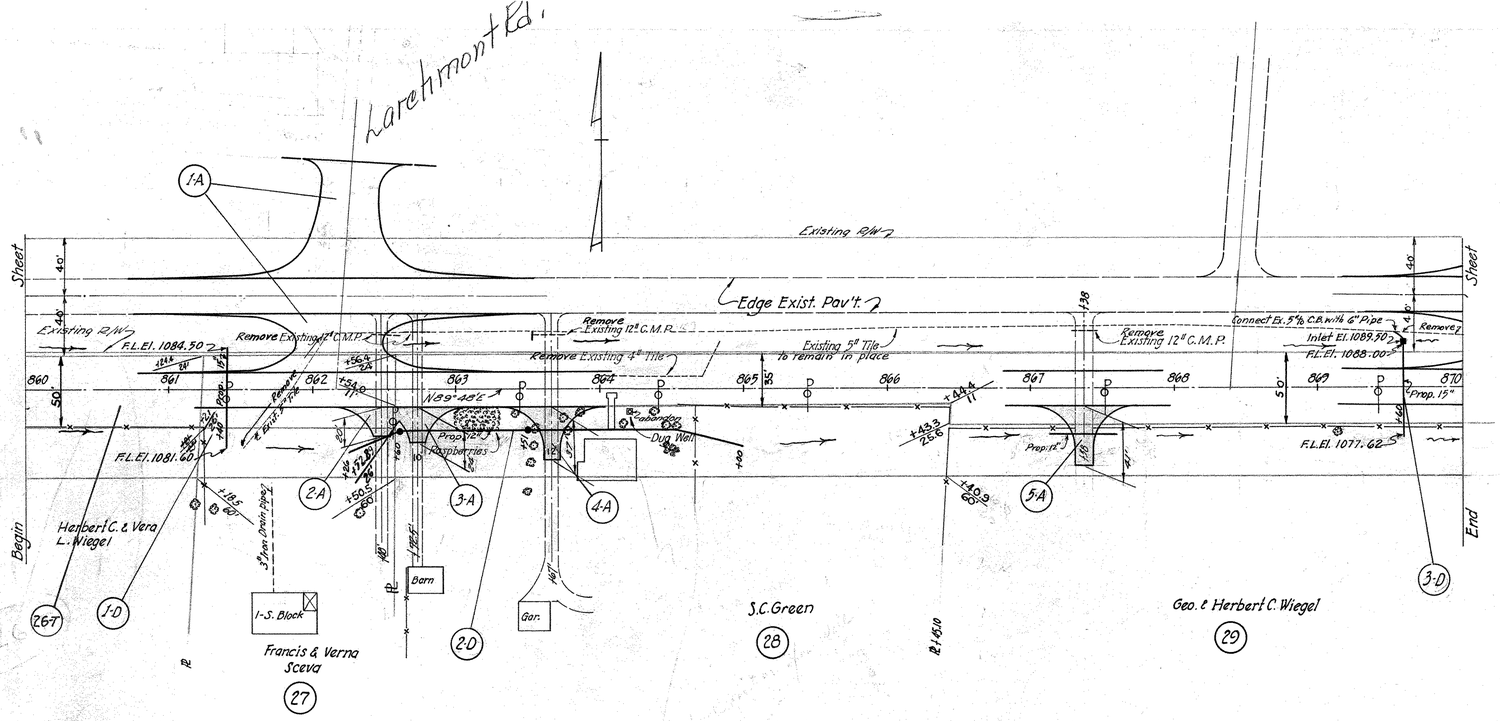


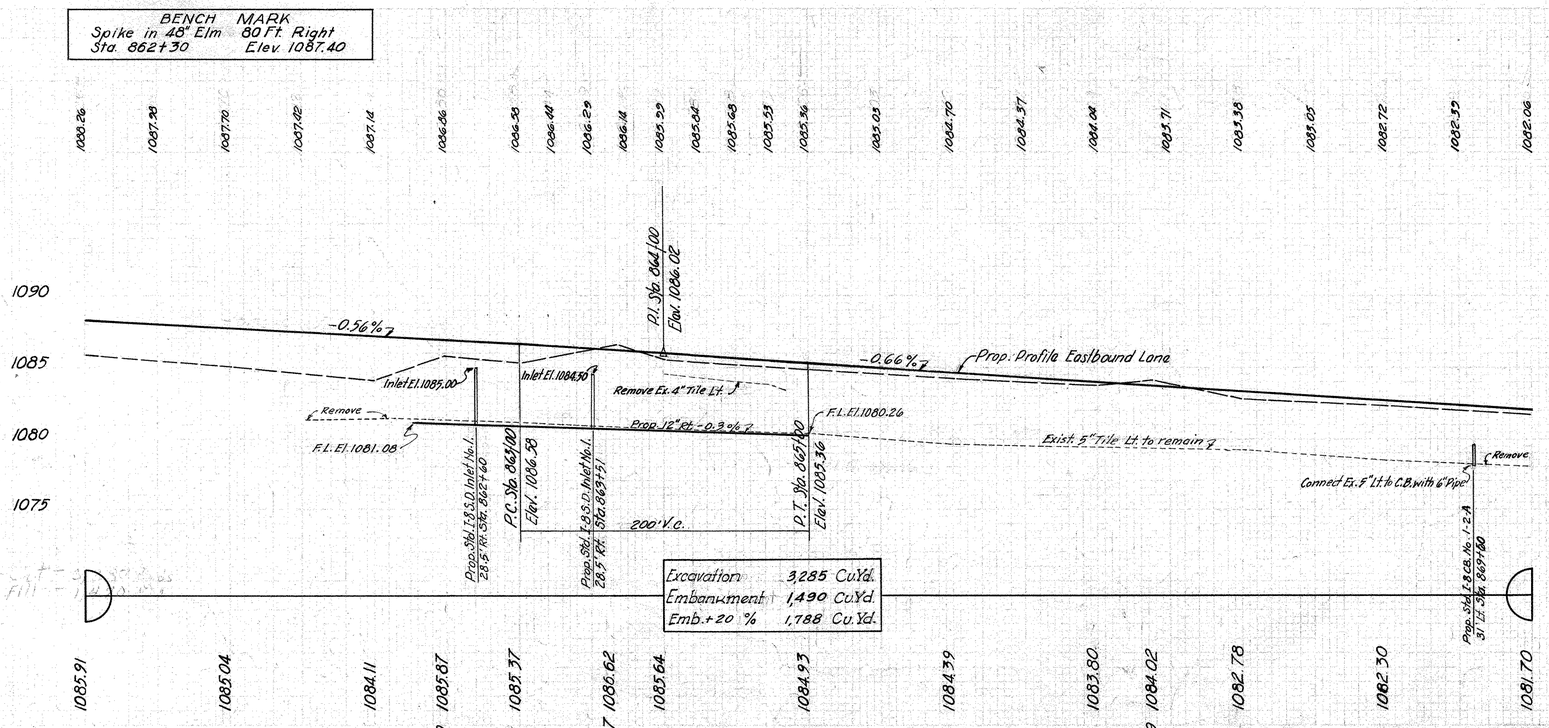
PLAN & PROFILE FROM STA. 850+00 TO STA. 860+00

FED. RD. DIV. NO.	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

28
227

CLARK COUNTY
CLA-40-(15.18-23.88)



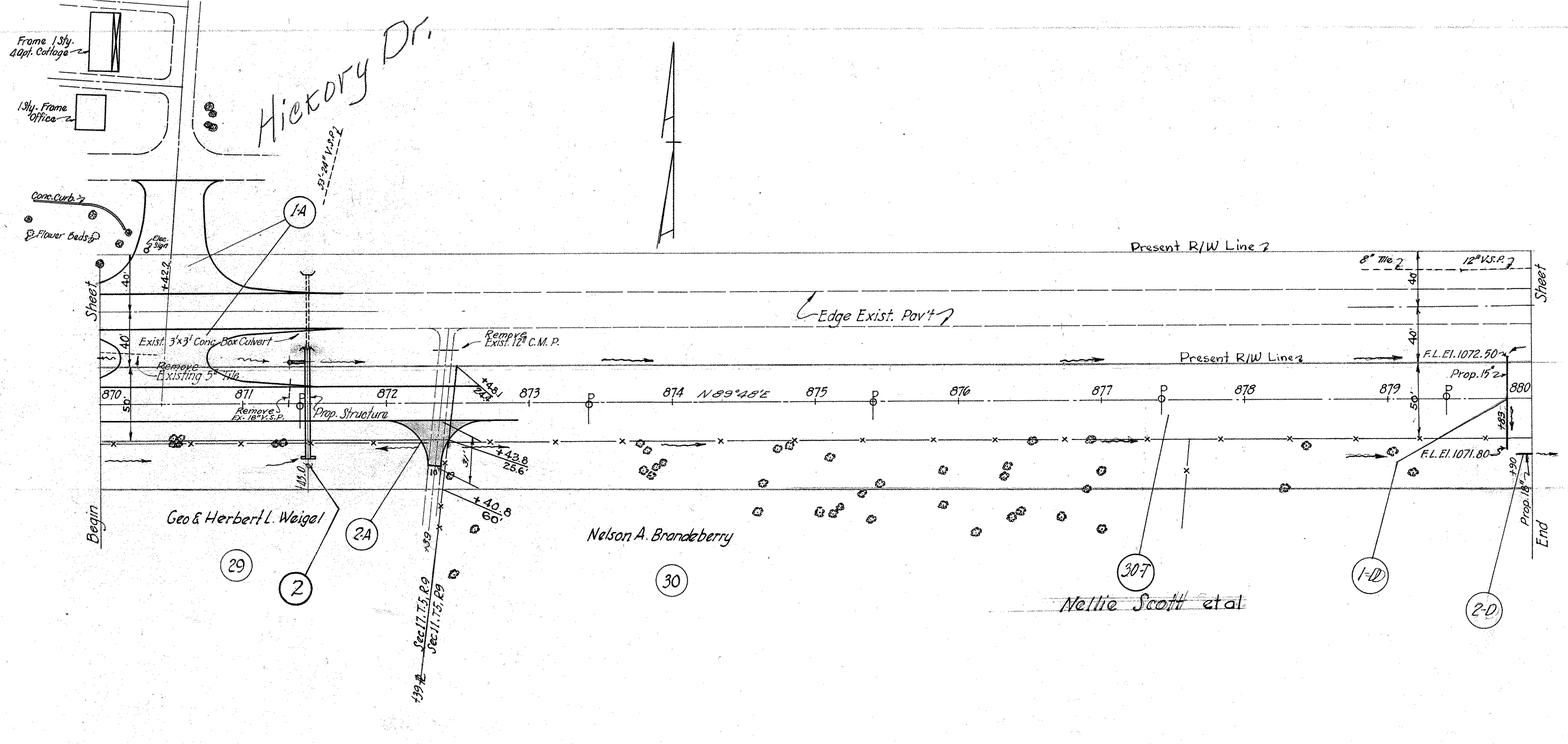


PLAN & PROFILE FROM STA. 860+00 TO STA. 870+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

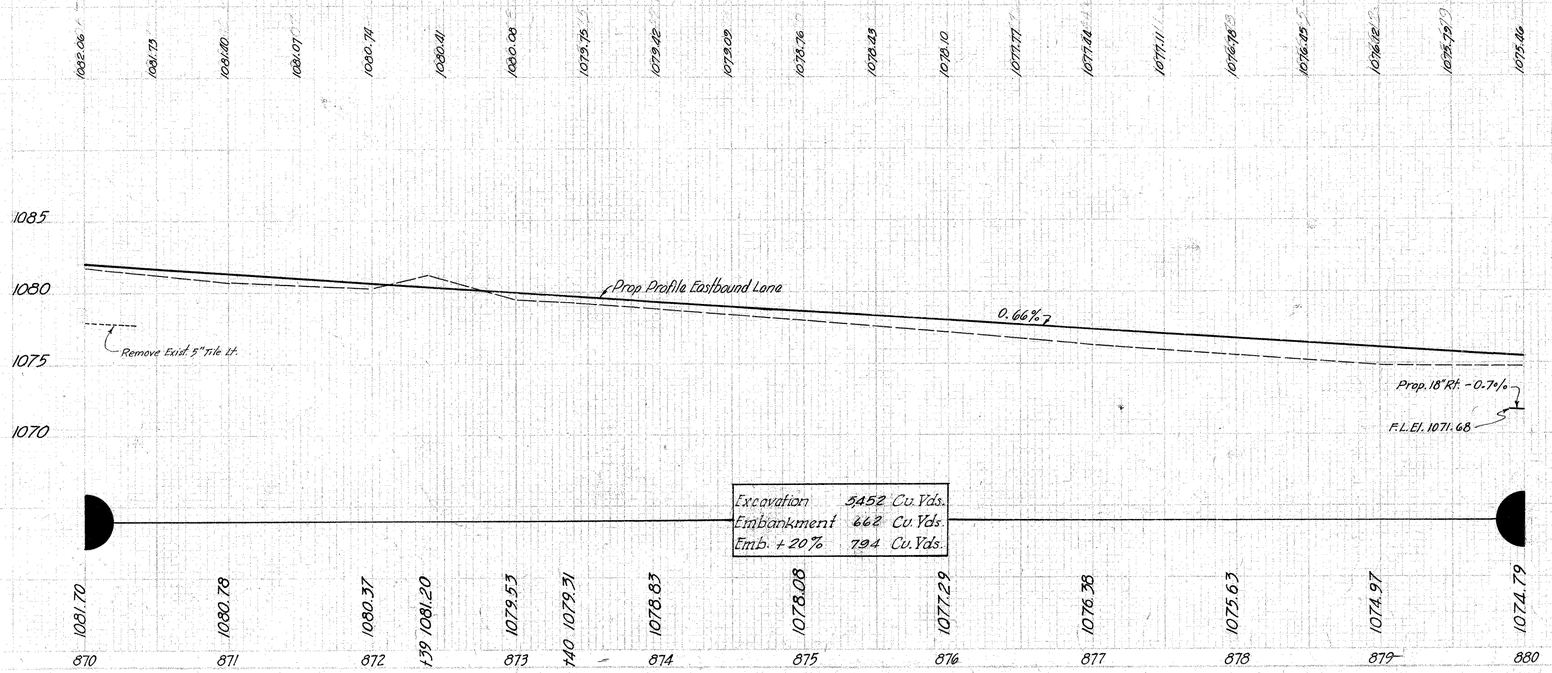
29
227

CLARK COUNTY
CLA-40-(15.18-23.88)



BENCH MARK
South E. Corner of Headwall, 40 Ft. Left
Sta. 871+45 Elev. 1080.66

BENCH MARK
North W. Corner Headwall, 90 Ft. Left
Sta. 877+25 Elev. 1078.08

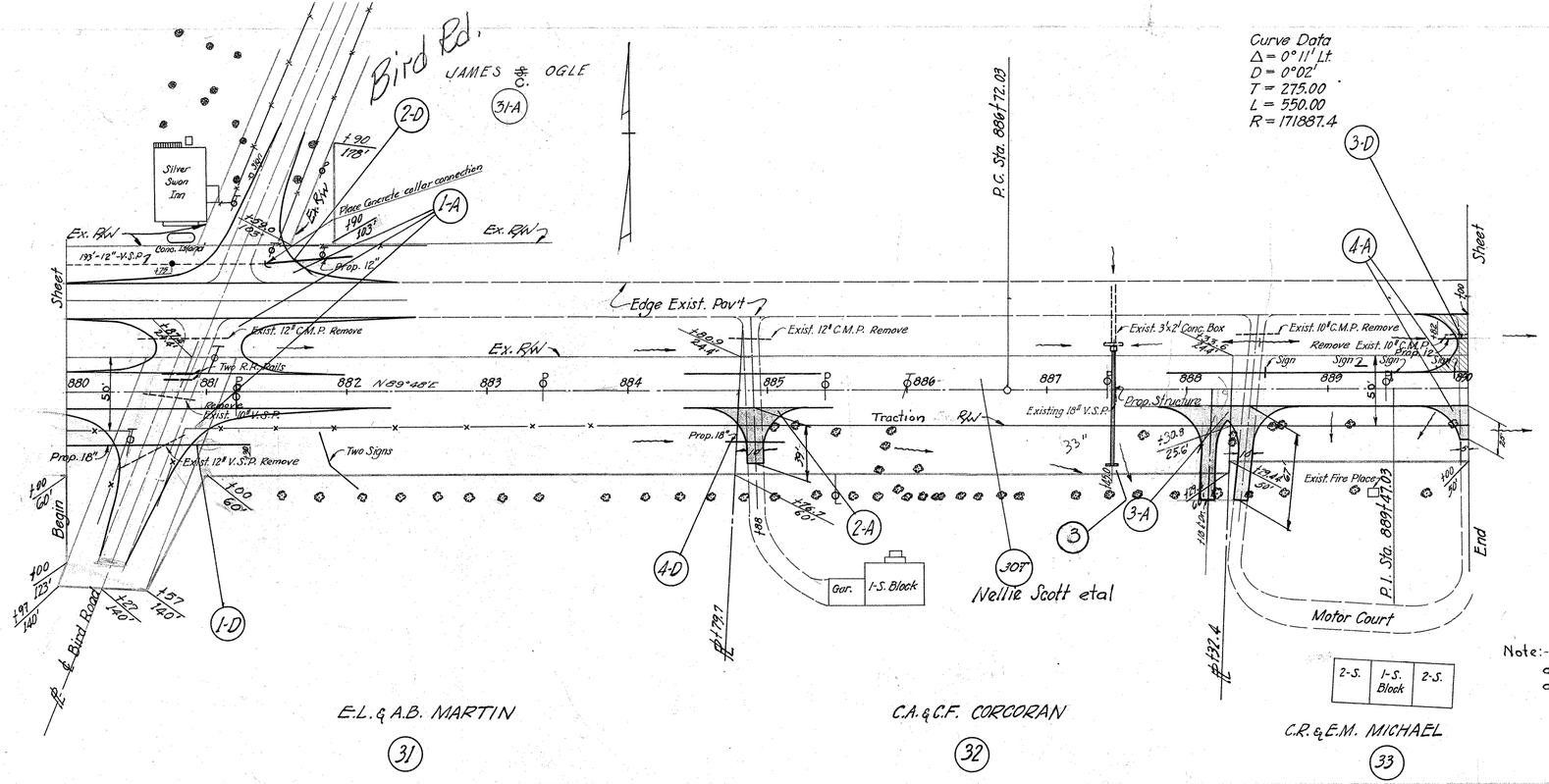


PLAN & PROFILE FROM STA. 870/00 TO STA. 880/00

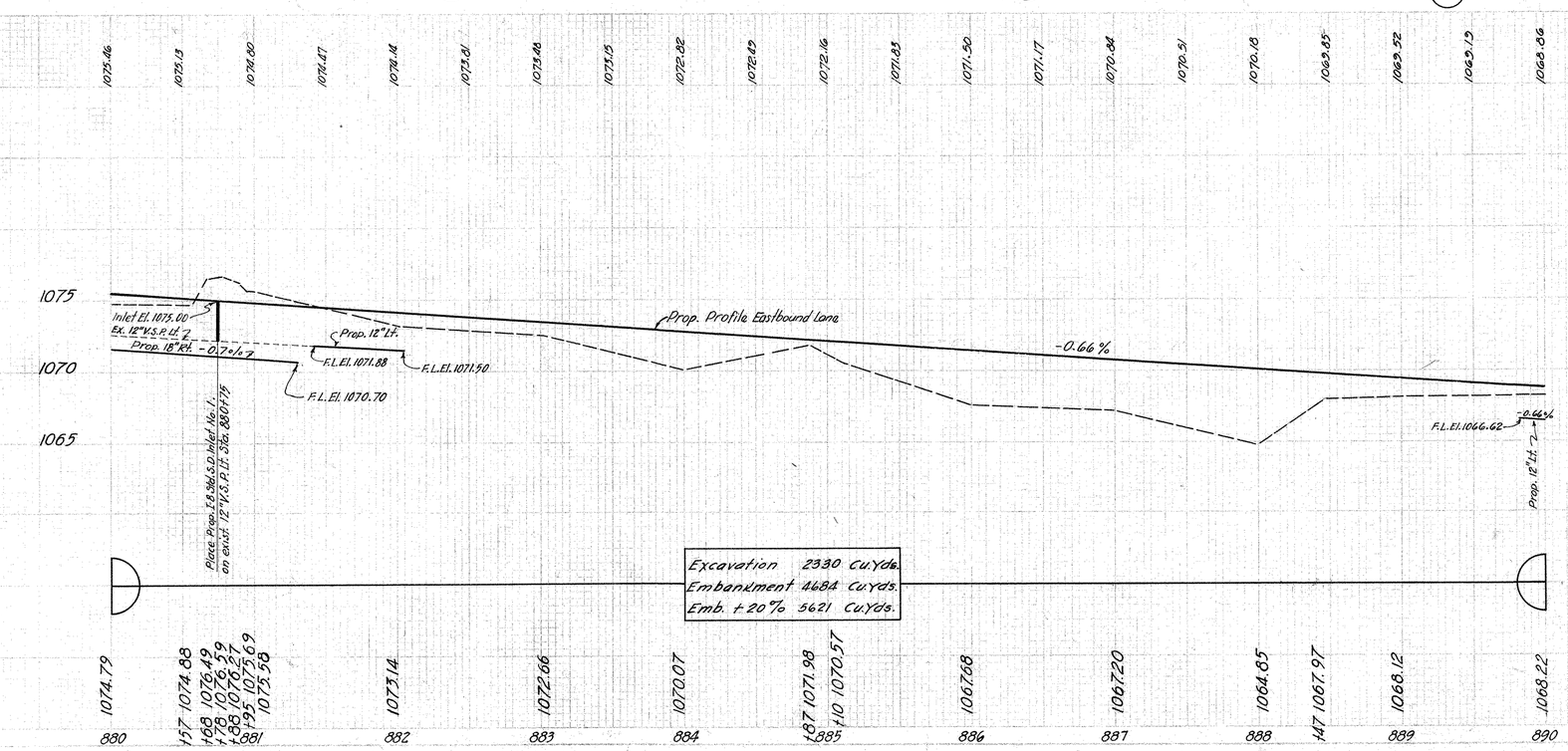
STA. NO.	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-14-2	POST WAR

30
227

CLARK COUNTY
CLA-40-(15.18-23.88)



Note:- A standard drive shall be constructed at Sta 888+18 on right by change order at the time of construction



PLAN & PROFILE FROM STA. 880+00 TO STA. 890+00

FED. AID PROJECT	STATE	PROJECT	TYPE FUND	31
2	OHIO	F-336-7 FG-336-7 F-76-2	POST WAR	227

CLARK COUNTY
CLA-40-15.18-23.88

Curve Data
Δ = 0°11' Lt.
D = 0°02'
T = 275.00
L = 550.00
R = 171887.4

P.T. Sta. 892+22.03

Present R/W Line

Edge Exist. Pav't.

Present R/W Line

Sheet

Sheet

End

Prop. 12"

Mail Box

Exist. 10" C.M.P. Remove

Exist. 12" C.M.P.

Mail Box

Mail Box

Prop. 12"

Exist. 12" C.M.P. Remove

Traction Sw.

Sign

Prop. 12"

Prop. 12"

Begin

N89°37'E

1-D
2-D
2-A
1-A
3-D
3-A
4-D
307

Nellie Scott etal

J.C. & K.L. SNODGRASS
34

Shed

AMANDA BRITCHARD
35

BENCH MARK
R.R. Spike in Tele. Pole 95 Ft. Left
Sta. 897+80 Elev. 1064.41

1068.36 1068.53 1068.20 1067.87 1067.54 1067.21 1066.88 1066.55 1066.22 1065.89 1065.56 1065.23 1064.90 1064.57 1064.24 1063.91 1063.58 1063.25 1062.92 1062.59 1062.26

1070
1065
1060
1055

-0.66%
F.L.El. 1066.38
Prop. 12" th. 2
Prop. Profile Eastbound Lane
-0.66%
-0.66%
F.L.El. 1063.47
Prop. 12" th. 2
F.L.El. 1063.19

Excavation 6351 Cu. Yds.
Embankment 2454 Cu. Yds.
Emb. +20 % 2944.8 Cu. Yds.

1068.22 1068.16 1069.86 1070.03 1069.48 1069.71 1071.19 1067.26 1066.79 1063.12 1061.91 1060.43 1059.86 1058.36

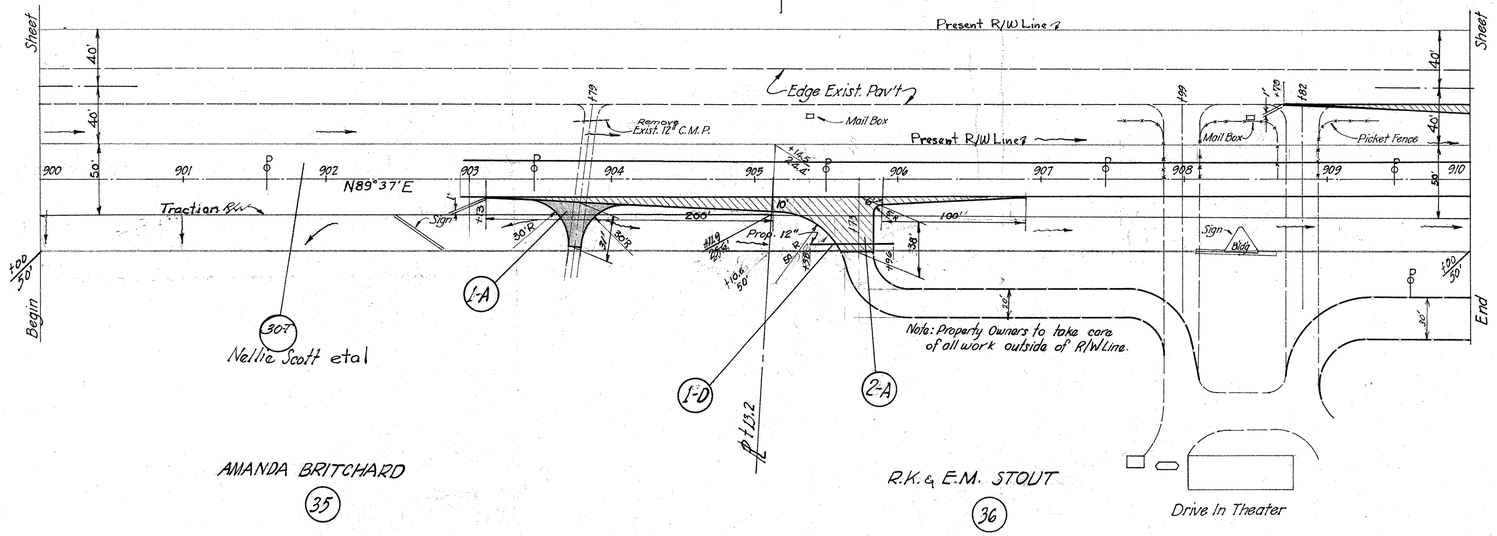
890 +20 891 892 +20 893 894 895 +20 896 897 898 899 900

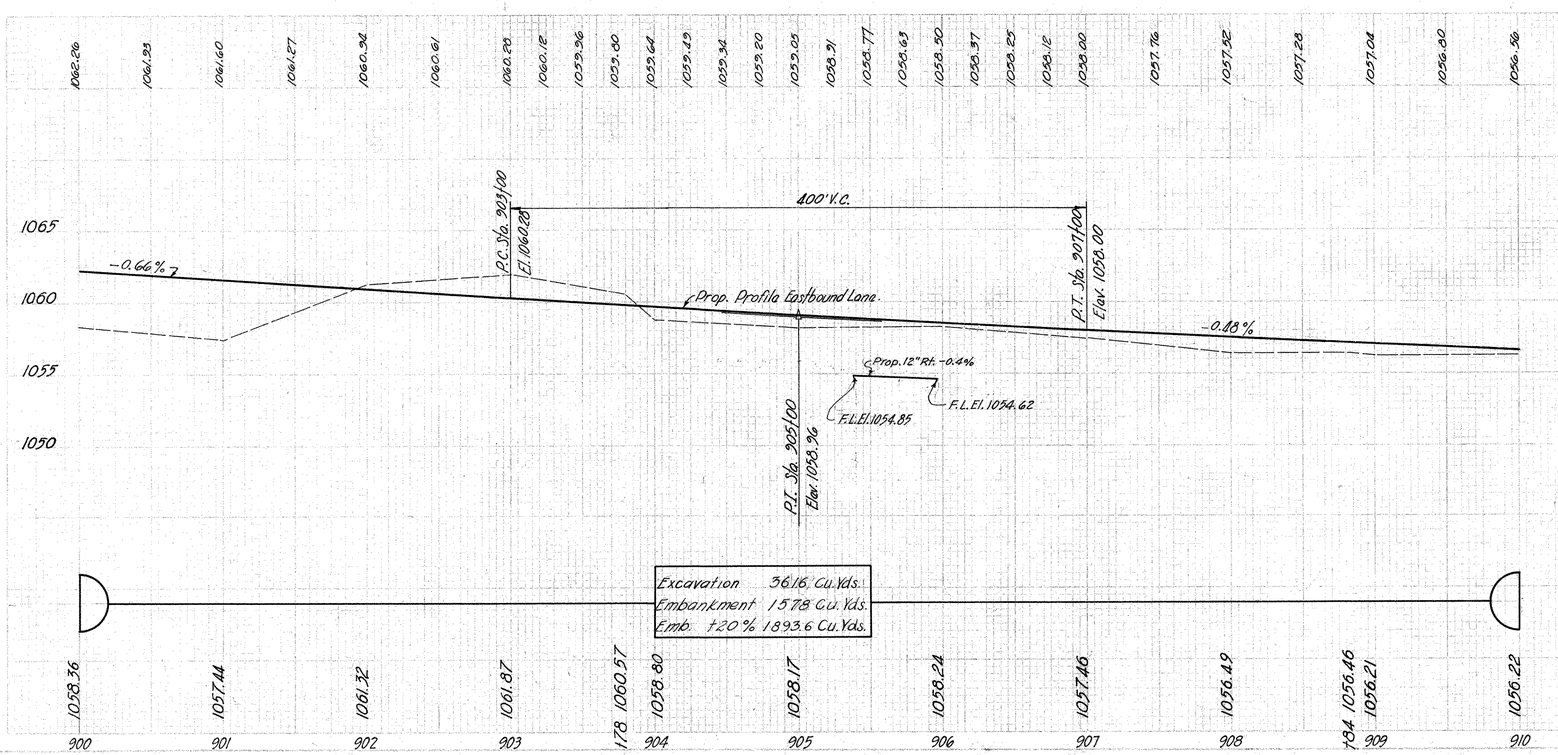
PLAN & PROFILE FROM STA. 890+00 TO STA. 900+00

FED. AID PROJECTS	STATE	NUMBER	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

32
227

CLARK COUNTY
CLA.-40-15.18~23.88



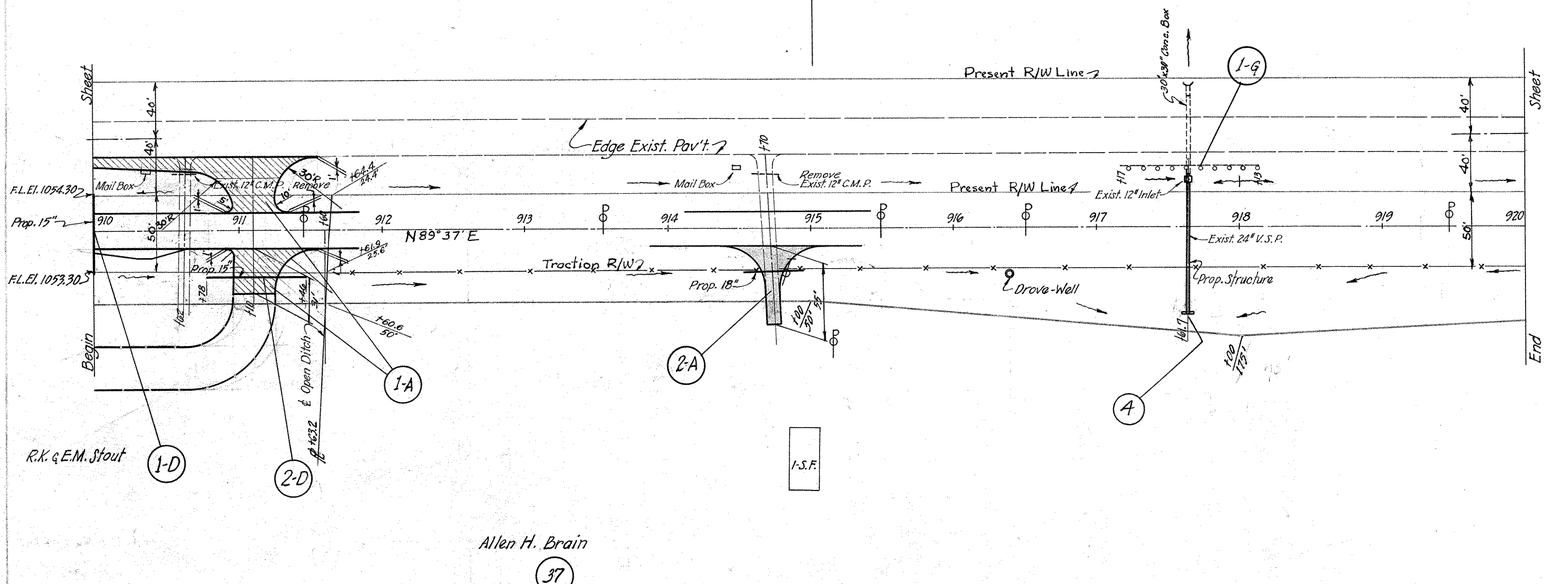


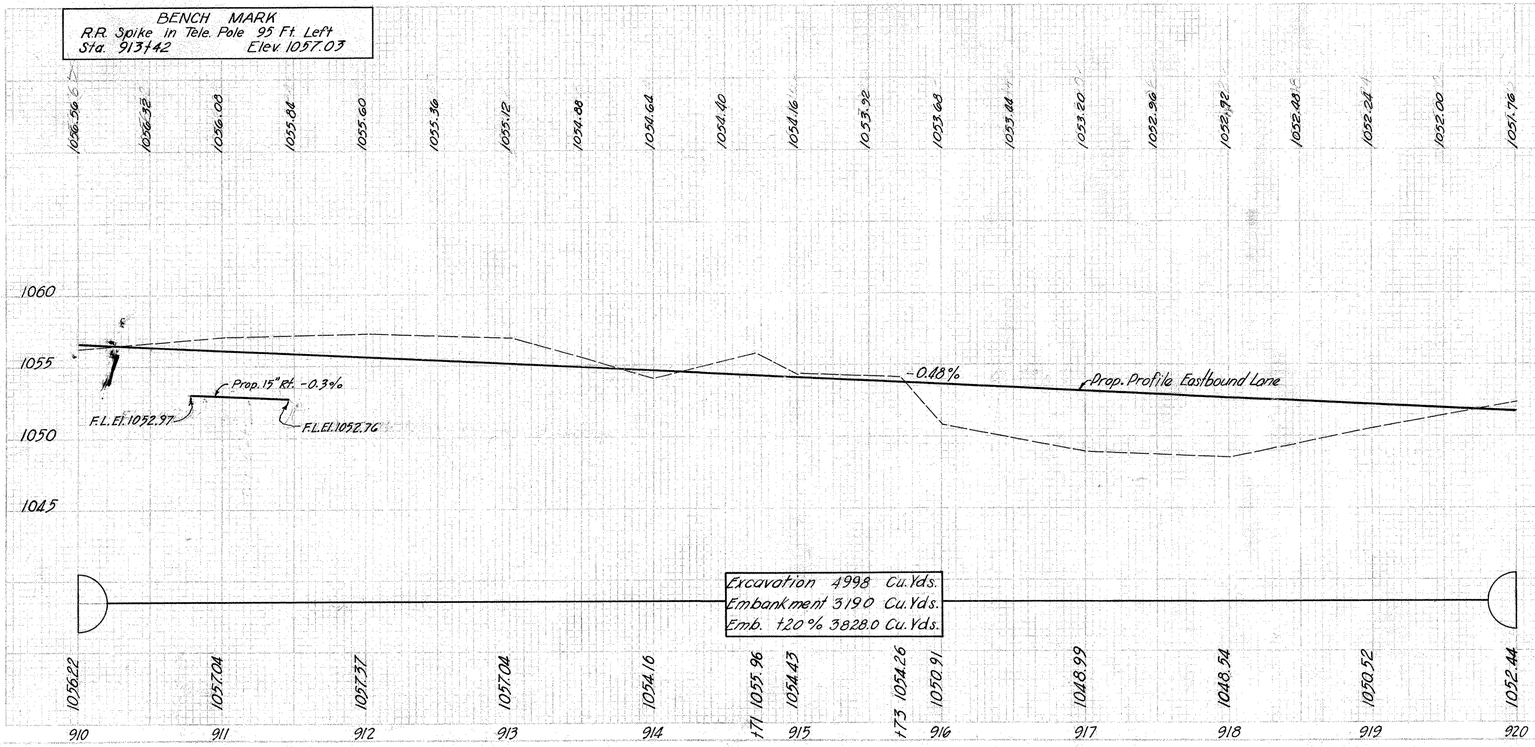
PLAN & PROFILE FROM STA. 900+00 TO STA. 910+00

FED. AID PROJECT	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

33
227

CLARK COUNTY
CLA-40-15.18-23.88



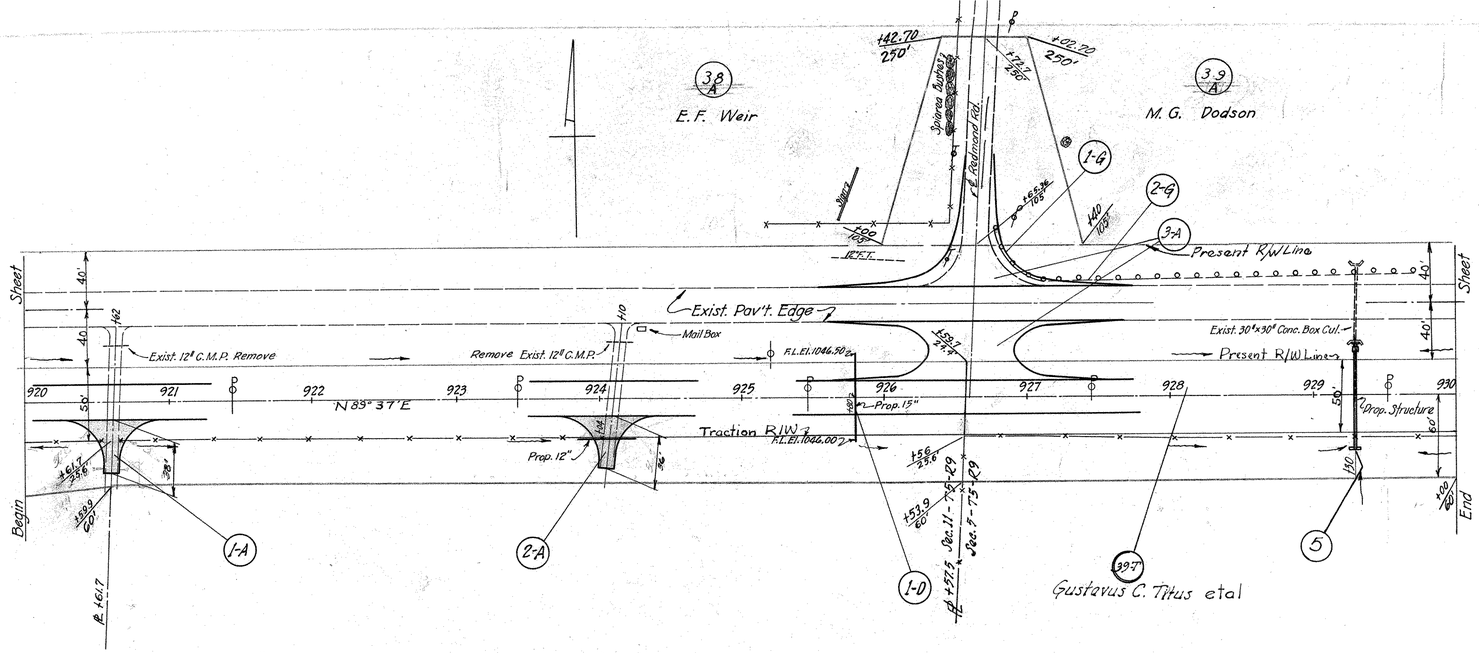


PLAN & PROFILE FROM STA. 910+00 TO STA. 920+00

COUNTY	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-304-5 F-16-8	POST WAR

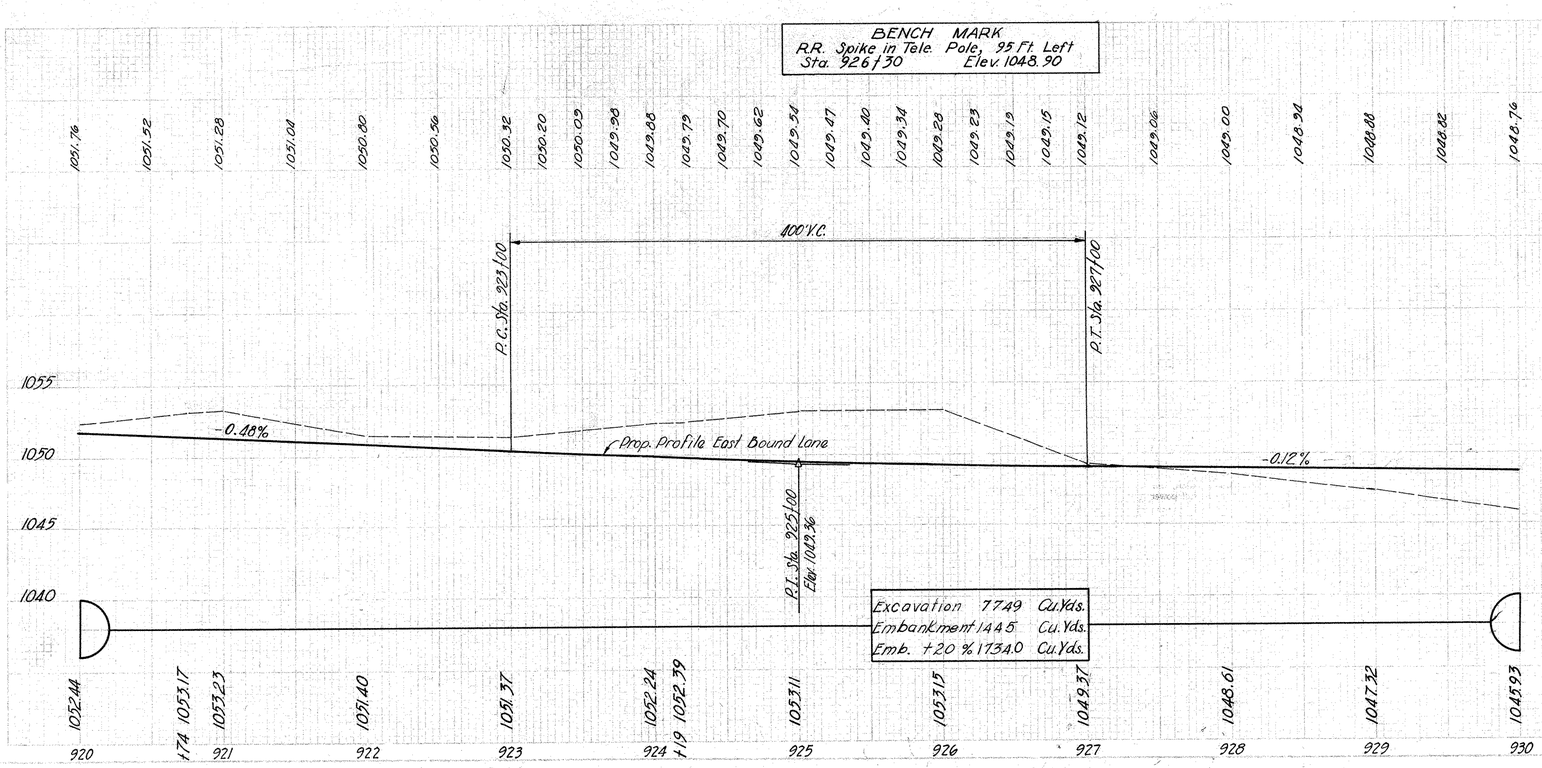
34
227

CLARK COUNTY
CLA-40-15.18-23.88



926+50
914+00

BENCH MARK
R.R. Spike in Tele. Pole, 95 Ft. Left
Sta. 926+30 Elev. 1048.90

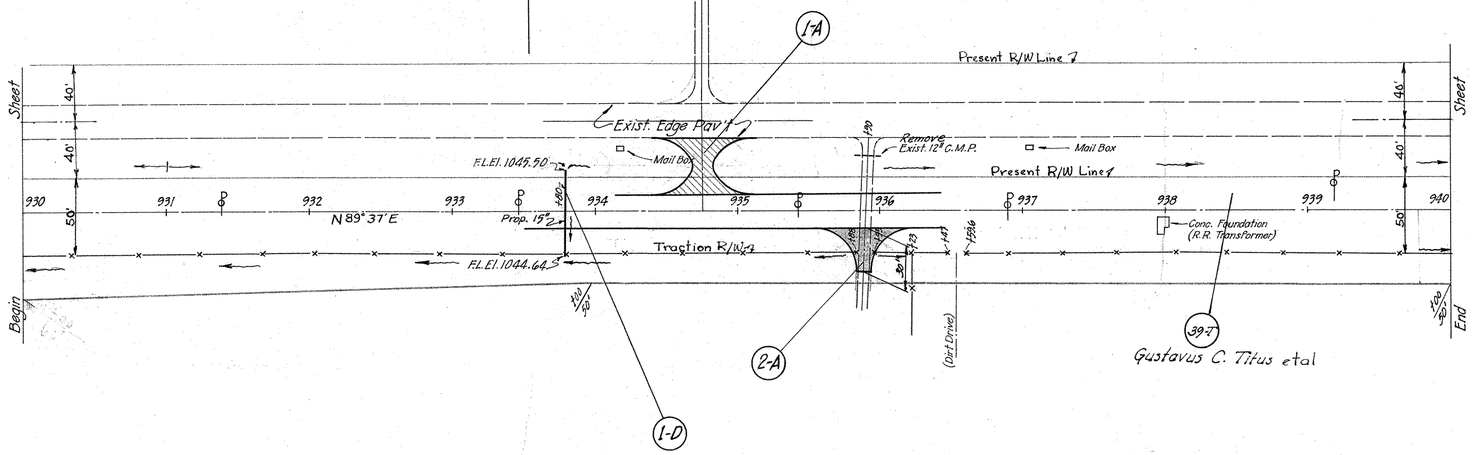


PLAN & PROFILE FROM STA. 920+00 TO STA. 930+00

SEQ. NO. CONTRACT	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FE-396-7 F-16-2	POST WAR

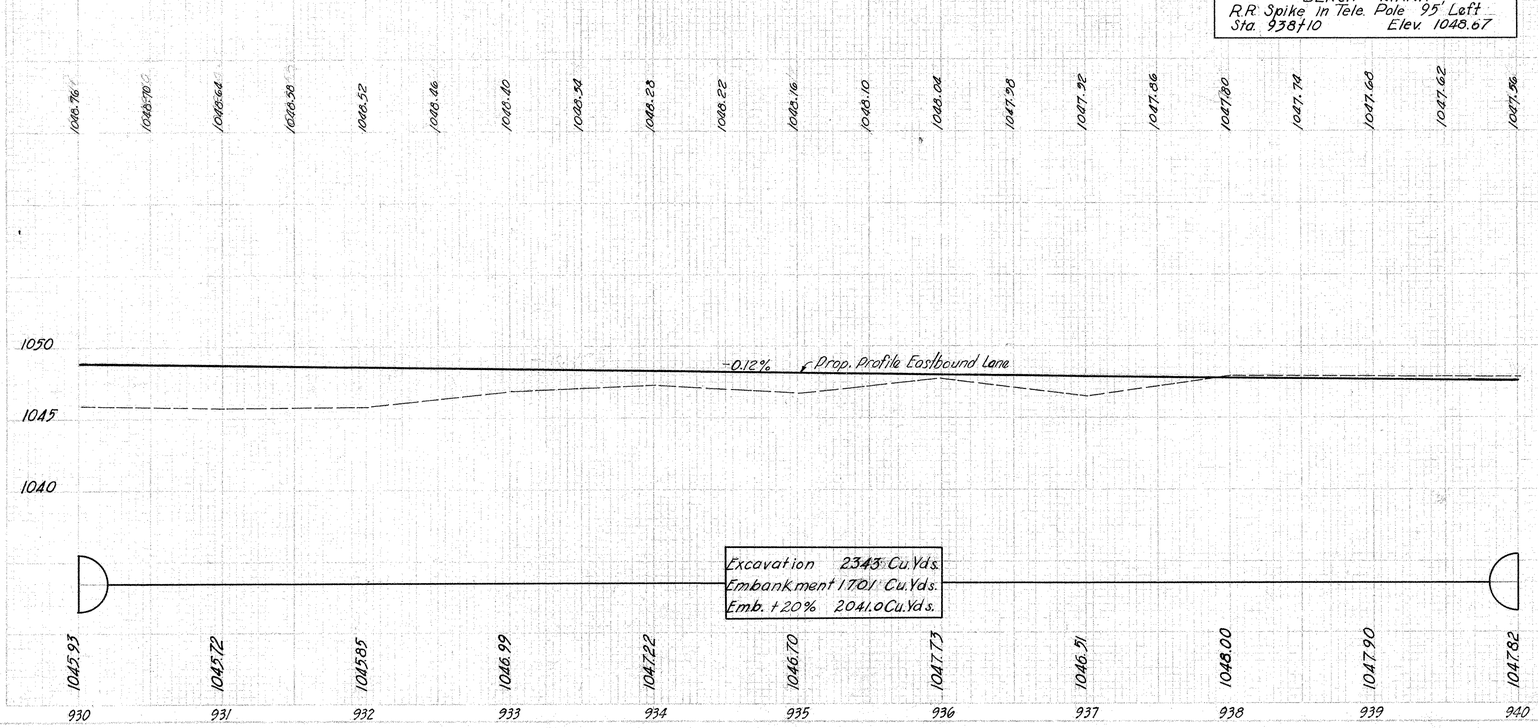
35
227

CLARK COUNTY
CLA-40-15.18 ~23.88



G.C. Titus
39

BENCH MARK
R.R. Spike In Tele. Pole 95' Left
Sta. 938+10 Elev. 1048.67



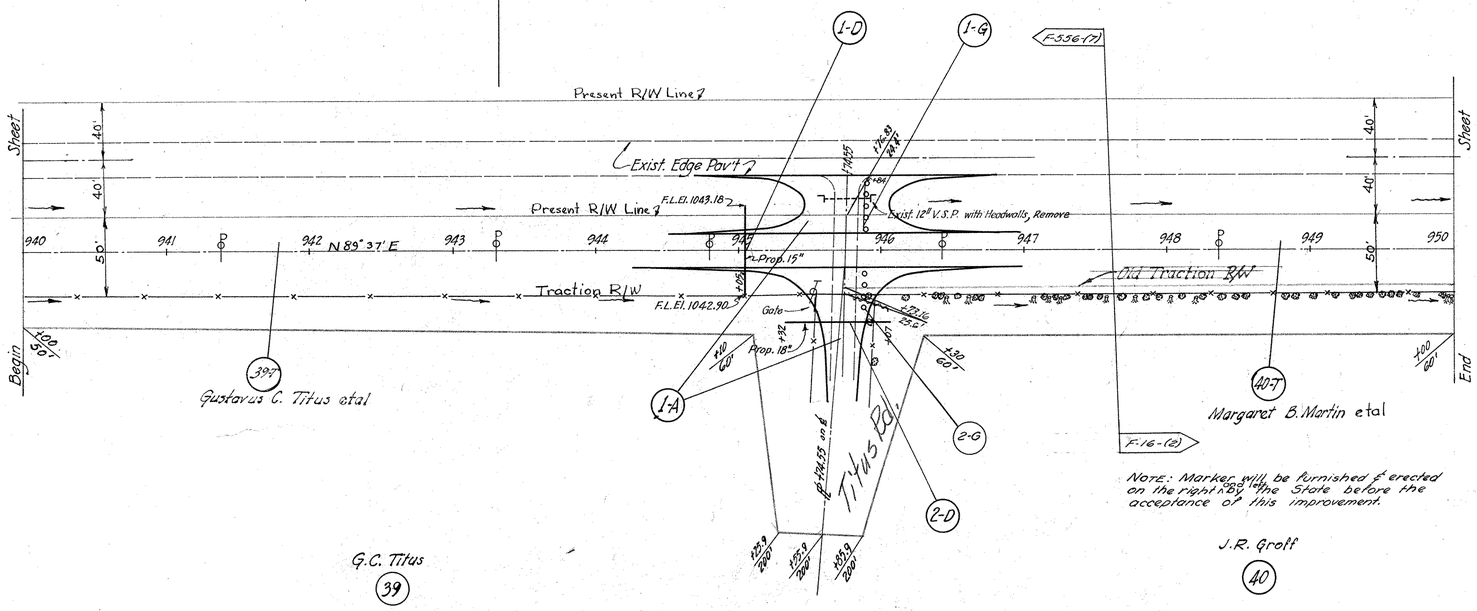
PLAN & PROFILE FROM STA. 930+00 TO STA. 940+00

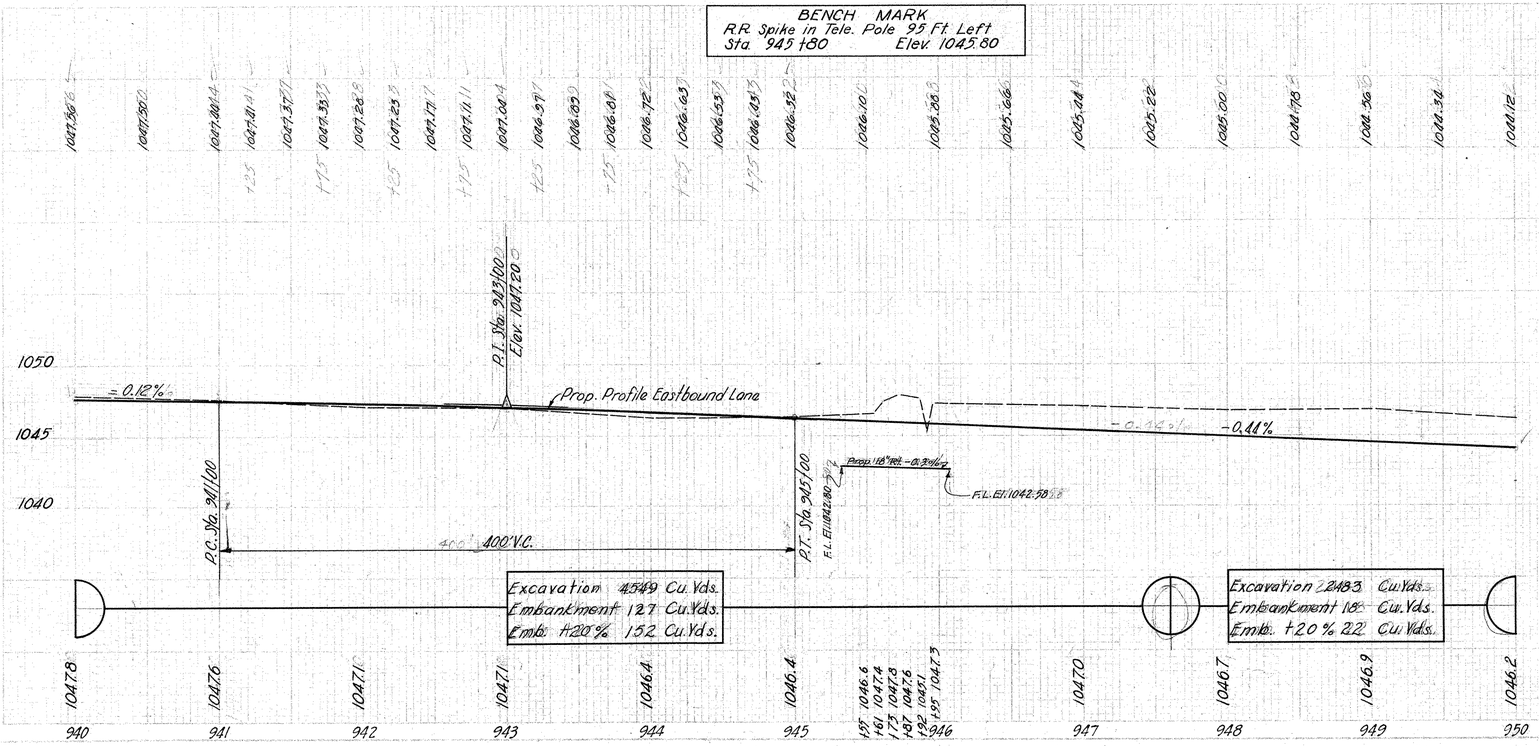
Note: Sta. 947+60 End F-556-7, Begin F-16-2 =
Sta. 132+00 End of original F.A.P. 556-B (1930) =
Beginning of former F.A.P. 16 Reop. 2 (1930)

SHEET NO. OF SHEETS	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FA-556-7 F-16-2	POST WAR

36
227

CLARK COUNTY
CLA.-40-15.18-23.88



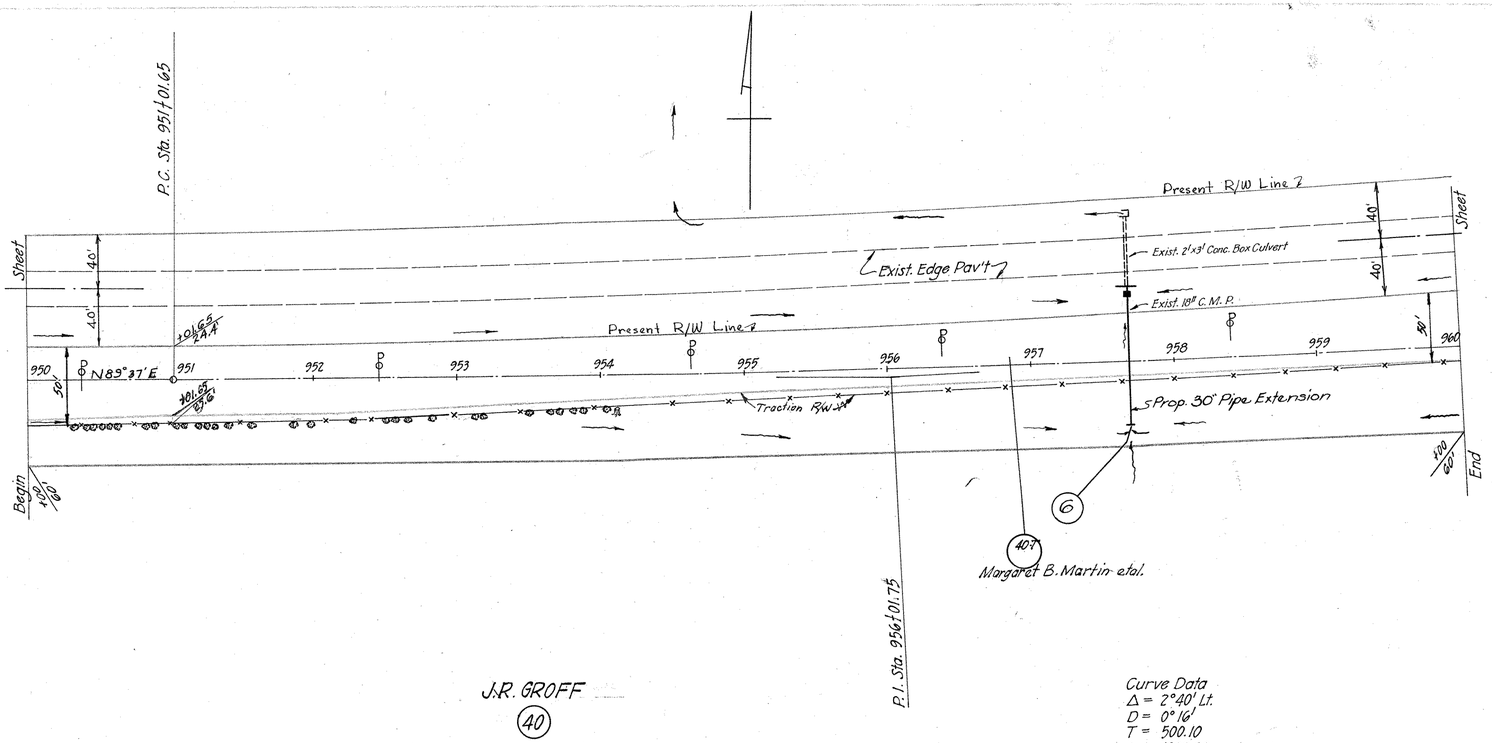


PLAN & PROFILE FROM STA. 940+00 TO STA. 950+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

37
227

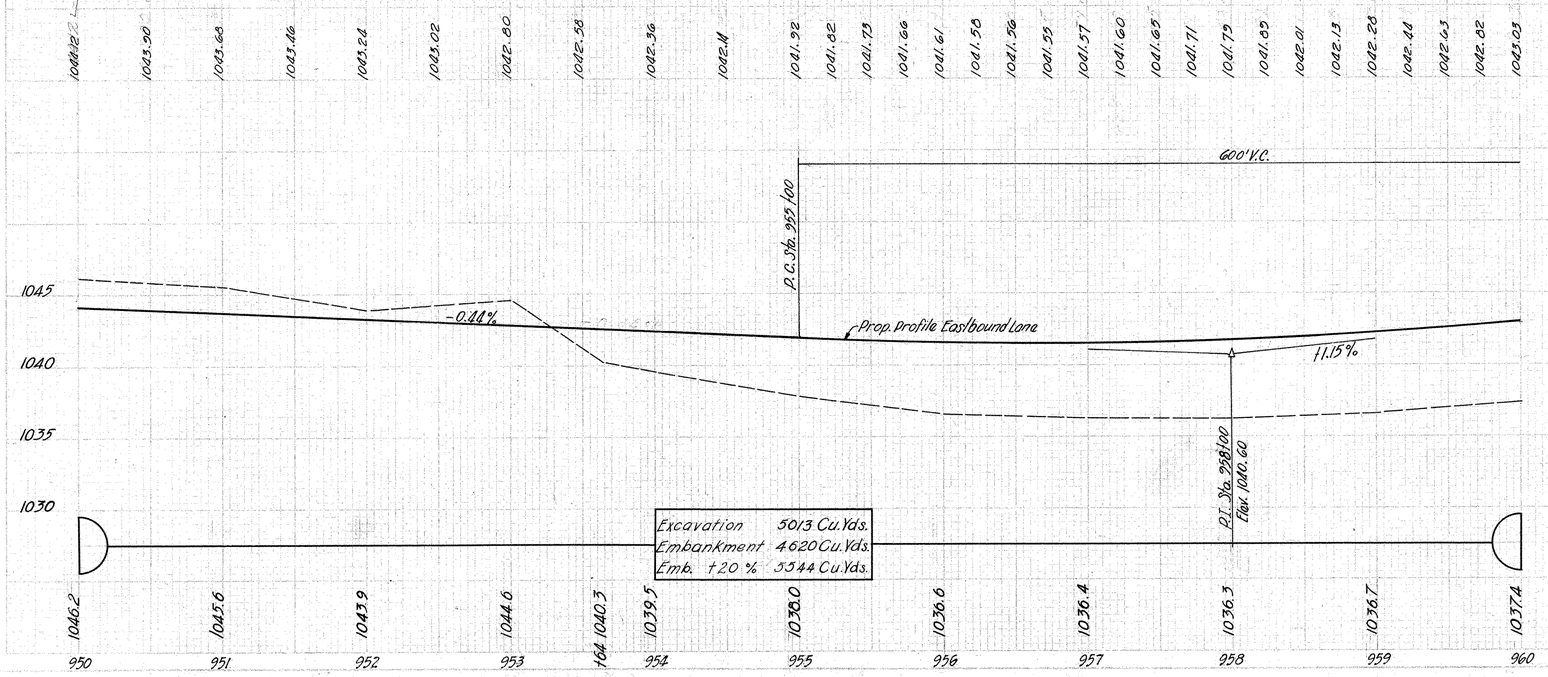
CLARK COUNTY
CLA.-40-15.18-23.88



J.R. GROFF
(40)

Curve Data
Δ = 2°40' Lt.
D = 0°16'
T = 500.10
L = 1000.00
R = 21485.9

BENCH MARK
Cross on N.E. Corner Conc. Headwall
90 Ft. Left Sta. 957+80 Elev. 1036.54



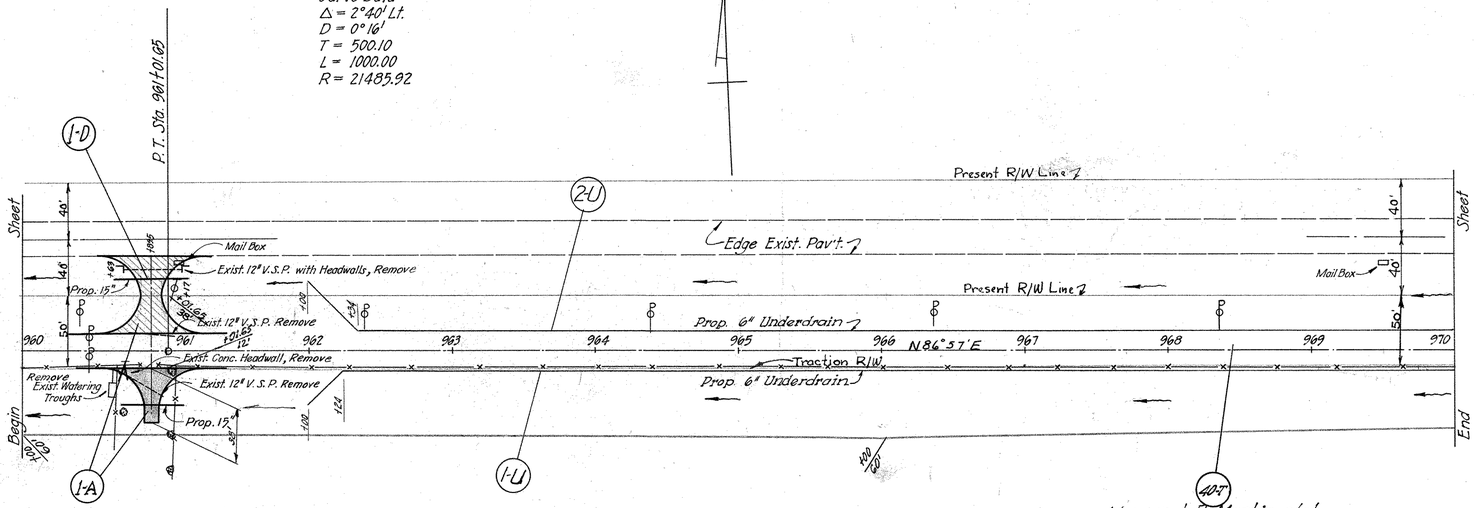
PLAN & PROFILE FROM STA. 950+00 TO STA. 960+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556(7) FG-296(7) F-16(12)	POST WAR

38
227

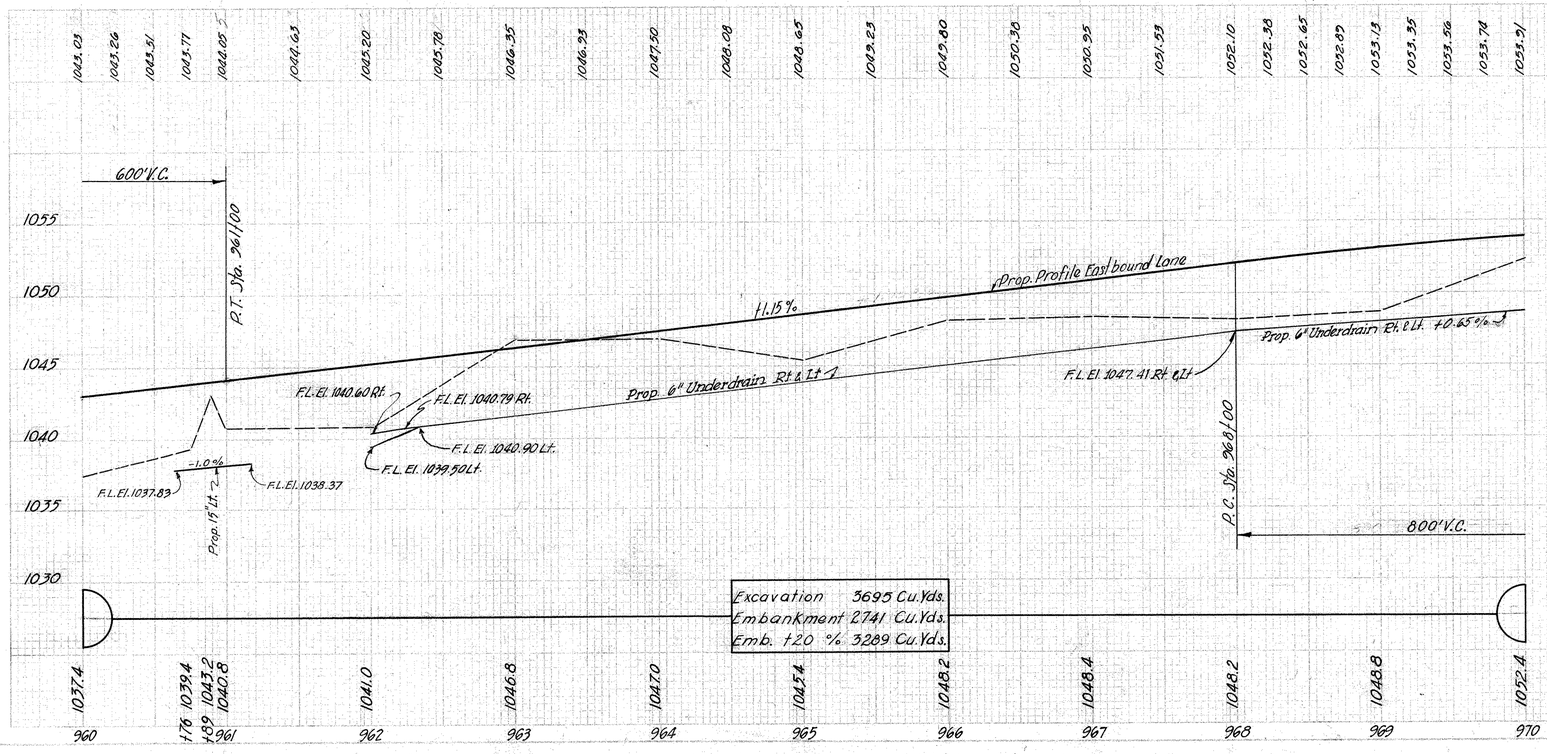
CLARK COUNTY
CLA.-40- 15.18 - 23.88

Curve Data
Δ = 2°40' Lt.
D = 0°16'
T = 500.10
L = 1000.00
R = 21485.92



Margaret B. Martin et al.

J.R. GROFF
40

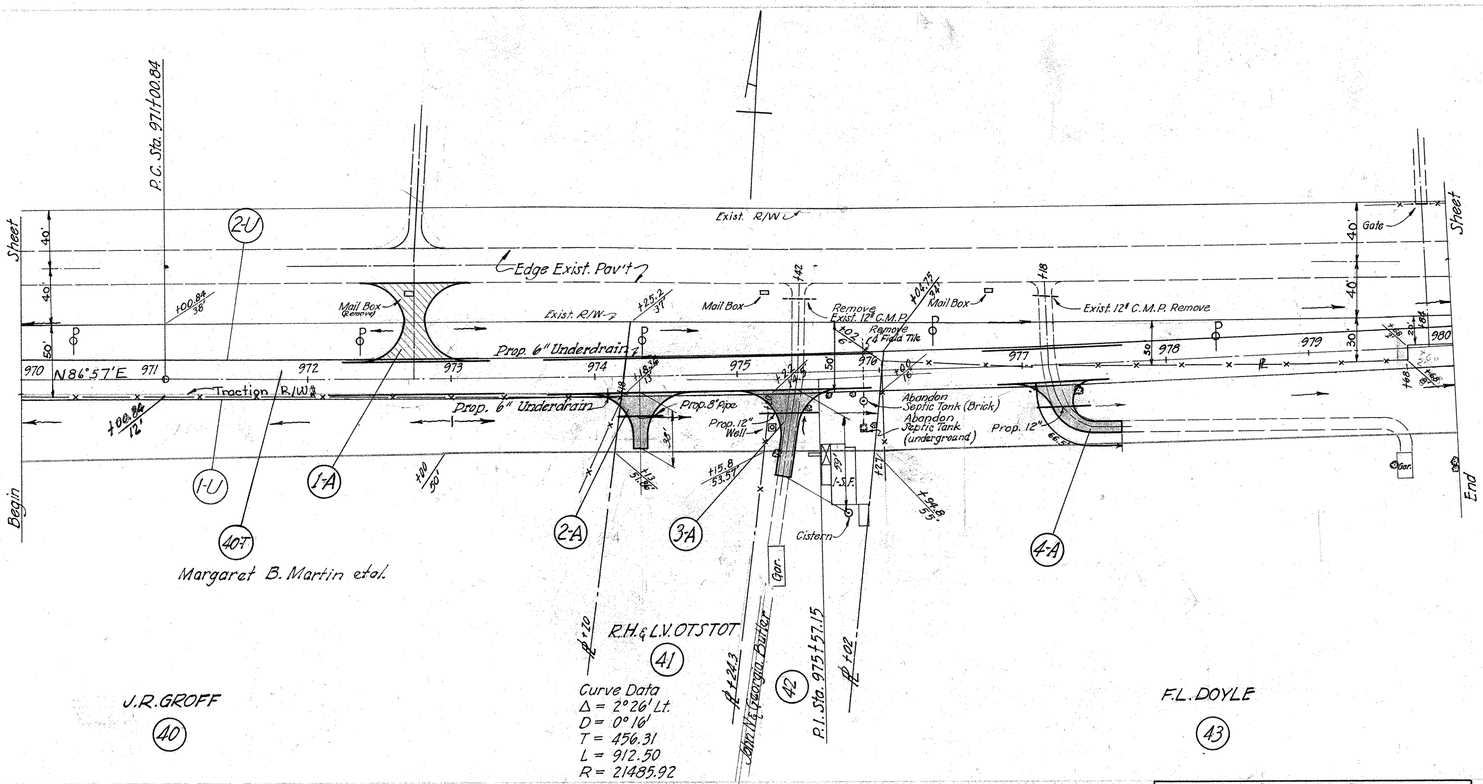


PLAN & PROFILE FROM STA. 960+00 TO STA. 970+00

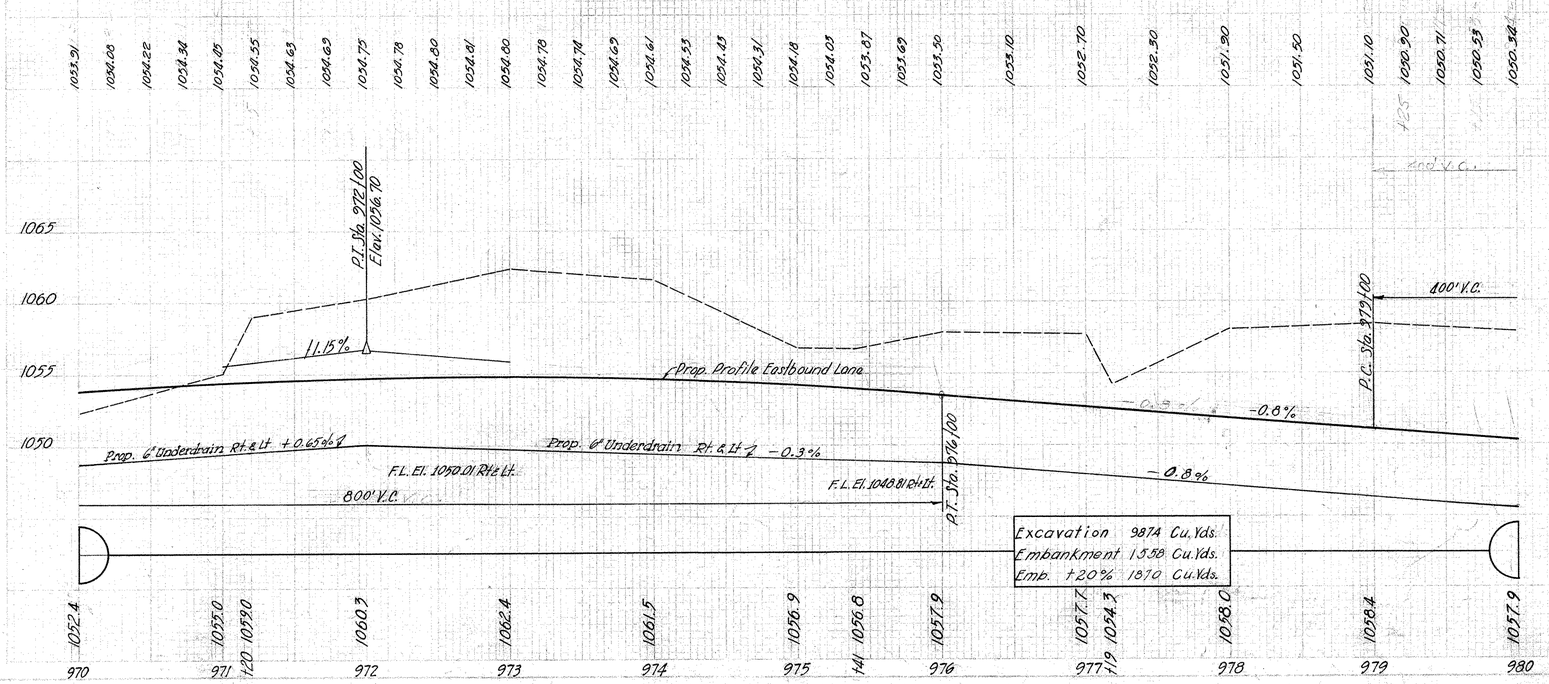
FED. AID DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 NG-556-7 F-76-2	POST WAR

39
227

CLARK COUNTY
CLA-40-(15.18-23.88)



BENCH MARK
RR. Spike in Tele. Pole, 100 Ft. Left
Sta. 978+50 Elev. 1053.18



Excavation	9874 Cu. Yds.
Embankment	1538 Cu. Yds.
Emb. +20%	1870 Cu. Yds.

PLAN & PROFILE FROM STA. 970+00 TO STA. 980+00

DIST. DIVISION	STATE	PROJECT	TYPE FUND	40
2	OHIO	F-356-7 FAP-536-7 FC-76-5	POST WAR	227

CLARK COUNTY
CLA-40-(15.18 - 23.88)

Curve Data
Δ = 2°20' Rt.
D = 0°16'
T = 437.55
L = 875.00
R = 21485.92
E = 4.45

P.T. Sta. 980+13.34

Sheet

Sec. 5-T5-R9
Sec. 35-T6-R9

Garage — Alva Holmes — 1-S.F. — Exist. Concrete Drive

Garage — Grace L. Smith — Gar. — 1-S.F.

John F. Donohoe — 1-S.F.

Martha S. Britton — 1-S.F.

Benj. C. & Martha Britton

Howard C. Butler

Ira Holton

Existing R/W

Edge Exist. Pav't.

Prop. 6" Underdrain

Remove Exist. 15" C.M.P.

Remove Exist. Headwall

Ex. 12" Tile

Prop. 15"

Mail Box — Mail Boxes

Exist. 18" C.M.P. Remove

Exist. 15" Field Tile, Remove

Exist. Well, Abandon

Exist. Brick Posts, Remove

Grape Arbor

Exist. Cistern

Proposed 6" Underdrain

Prop. 24"

Pump House

Thornton R/W

10" Field Tile

192' Drive

Exist. Conc. Wall

F.L. El. 1047.80

F.L. El. 1047.30

N 8° 31' E

Begin

End

Springfield Twp.
Harmony Twp. Sta. 982+38

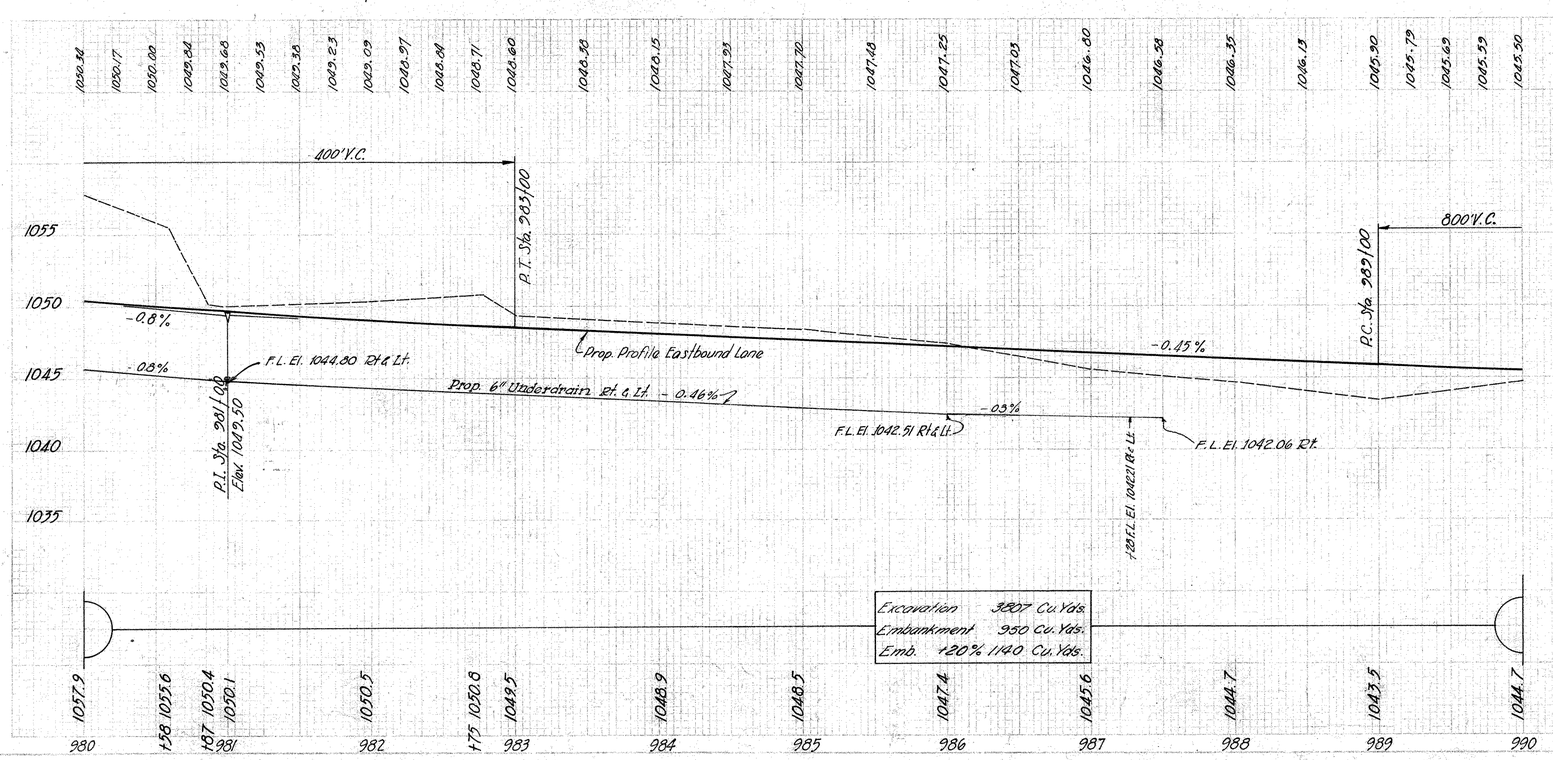
Martha H. Mayer (121)

Gustavus C. Titus et al.

P.C. Sta. 987+23.55

F.L. Doyle (43)

Note:
For details not shown on this sheet see large scale sheet.



PLAN & PROFILE FROM STA. 980+00 TO STA. 990+00

FED. ROAD DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 E-16-2	POST WAR

A1
227

CLARK COUNTY
CLA-40-(15.18 - 23.88)

Curve Data
Δ = 2°20' Rt.
D = 0°16'
T = 437.55
L = 875.00
R = 21485.92
E = 4.45

Ira Holton
Robert & Rhoda Wise
Lloyd D & Mabel A Bragg
Lincoln & Mary Wise
Walter H & Dorothy McDaniel
Thos. W. Rutherford
Everett J & C.B. Brinkman
Jessie County et al
Mary J. Davis
Mark & Dessa Cottrill
Florence Derr
Roy Steinmetz
Gustavus C. Titus
Louis & Ida L. Bunyan
Ewel C. & Tarcia Thompson
Lot 11
Geo. W. & Jessie D. Butler
Lot 10-9
Howard C. Butler
Lot 8
Mark H. & Dessa Cottrill
Lot 7
Odessa Cottrill
Lot 6
Odessa & Marie Cottrill
Lot 5
Reuben & Frances Warren
Lot 4
Abandoned
I-S. Block Station
Begin
End
P.I. Sta. 991+61.1
P.T. Sta. 995+98.55
Edge Exist. Pav't
Exist. R/W
Alley
Sheet
Trestion R/W
Exist. Conc. Sidewalk
Exist. Conc. Wall
Abandon Exist. Catch Basin
Abandon Exist. Curb & Gutter
Exist. Catch Basin
Ret. Wall
Gasoline Tanks
Sign
Well
Garage
Barn
Brick
Res.
N86°51' E

BENCH MARK
R.R. Spike in Tele. Pole, 100 Ft. Left
Sta. 999+06 Elev. 1045.72

1045.30 1045.42 1045.34 1045.26 1045.20 1045.14 1045.09 1045.03 1044.99 1044.96 1044.93 1044.90 1044.89 1044.85 1044.87 1044.88 1044.88 1044.90 1044.92 1044.95 1044.98 1045.01 1045.06 1045.12 1045.17 1045.24 1045.30 1045.36 1045.46 1045.63 1045.80 1045.97 1046.14 1046.31 1046.48

800' V.C.

Prop. Profile Eastbound Lanes & Westbound Lanes
10.34%
-0.45%
Abandon Exist. Inlet Rt.
Exist. 18" Storm Sewer Rt. 7
Exist. 18" Storm Sewer 2
Exist. 15" Storm Sewer 7
F.L. Elev. 1038.97
F.L. Elev. 1040.61
F.L. Elev. 1041.74
F.L. Elev. 1042.73
P.I. Sta. 993+00
Elev. 1044.10
Abandon Ex. Catch Basin

1045
1040
1035

Excavation 695 Cu. Yds.
Embankment 1633 Cu. Yds.
Emb. ↑20% 1960 Cu. Yds.

1044.7 1044.6 1044.5 1044.5 1044.8 1044.5 1044.6 1044.4 1044.6 1044.7 1044.6 1044.6 1044.8 1044.9 1045.0 1045.2 1045.7 1045.7 1045.9 1046.0

990 170 179 991 191 992 993 143 994 152 160 995 110 116 163 996 140 997 172 998 999 1000

PLAN & PROFILE FROM STA. 990+00 TO STA. 1000+00

STATE		PROJECT	TYPE FUND	42
21	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR	227

CLARK COUNTY
CLA-40-(15.18-23.88)

Curve Data
Δ = 2°11 Rt.
D = 0°16'
T = 409.42
L = 818.75
R = 21485.92
E = 3.90

Lot# 4-5 — Mary L. Anderson — Garage — 116S — 2-A — 2-S.F.
Lot# 6 — Wm. C. & Mary A. Jones — 3-A — 117S — Grocery Service station — Ex. R/W
Lot# 7 — Wm. C. & Mary A. Jones — 5-A — Res. 2-S.Fr. — Garage — 2-S.F.
Lot# 99 — Newton R. & Hannah Swan — 118S — Concrete Base
Lot# 10 — Henry Oxtoby — 119S — 6-A — 1-S.F. — Wall — Concrete Base
Lawrence Bowsher — 120S — 7-A — Conc. Block Garage — Gasoline Tanks
8-A
HENRY OXTOBY — 44-A
APPROX. ℄ of CHANNEL — 44-X
P.I. Sta. 1006/99.75
Sheet — 4G-X — 4G-C
Edge Exist. Pav't.
Ex. R/W U.S.R.40
C.&L.E R/W
Gate
End
Begin
Garage — 1-A — Cistern — 2-S. Brick — Exist. Wall — Walk — Wall — Ref. Wall — Exist. Inlet — Abandon Exist. Inlet — 12" V.S.P. — Mail Box
Mail Box — Ref. Wall — 2-S. Brick — 1-S.F. — 4-A — Exist. Inlet — 12" V.S.P. — Catch Basin — Abandon — Mail Box — 2-S. Brick — 2-D
Mail Box — 1-S.F. — 1-D
Exist. Inlet — 12" V.S.P. — Mail Box — Catch Basin — Abandon — Mail Box
Mail Box
Mail Box
N 86° 51' E
1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010
℄ 12" C.M.P. abandoned
℄ 12" C.M.P. Remove
℄ 50.33 P.C.
Sta. 1002 + 50.33
56 14 42
LOUIS W. GRIEB — 44

129 — Ruben & Frances Warren
130 — Martin & Luvina Robertson
131 — Wm. & Gertrude Dever

NOTE: For details not shown on this sheet see large scale sheet

1046.68 1046.63 1046.52 1046.53 1047.76 1047.35 1047.29 1047.42 1047.41 1047.37 1047.28 1047.11 1046.97 1046.84 1046.71 1046.64 1046.60 1046.55 1046.52 1046.45 1046.39 1046.32 1046.26 1046.22 1046.20 1046.13 1046.12

100' V.C. — P.C. Sta. 1006/00 — P.T. Sta. 1007/00
400' V.C. — P.C. Sta. 1009/00

1050
1045
1040
1035

+0.34% — P.I. Sta. 1003/00 Elev. 1047.50 — -0.263 % — Prop. Profile Eastbound Lane — -0.123%

P.C. Sta. 1002/50 — 100' V.C. — P.T. Sta. 1003/50 — P.I. Sta. 1006/50 Elev. 1046.38

Excavation 1034 Cu. Yds.
Embankment 1308 Cu. Yds.
Emb. +20% 1570 Cu. Yds.

1046.0 1046.2 1046.6 1046.8 1046.5 1045.5 1046.4 1046.4 1046.3 1046.1 1044.6 1043.7 1043.6

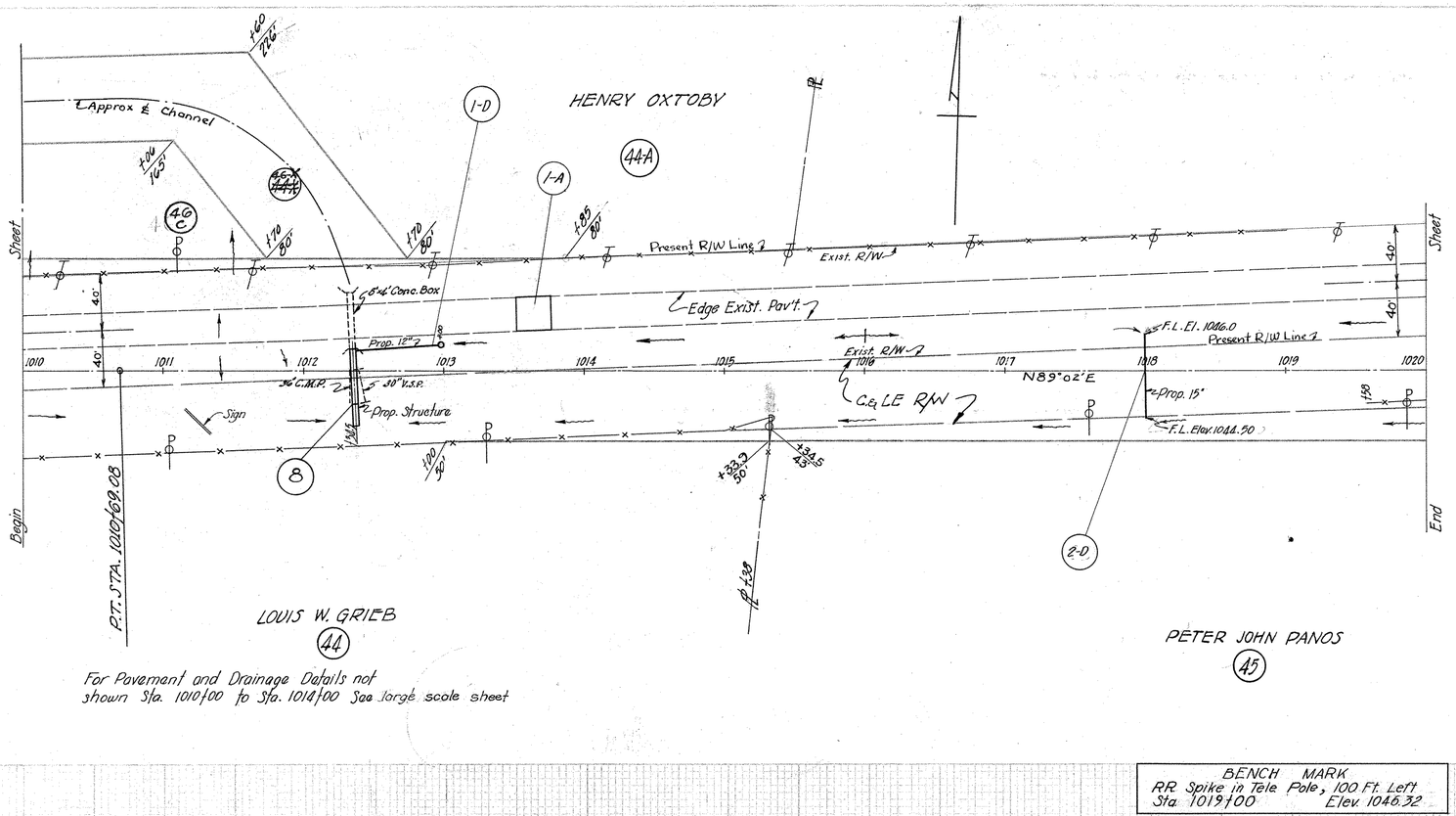
1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010

PLAN & PROFILE FROM STA. 1000+00 TO STA. 1010+00

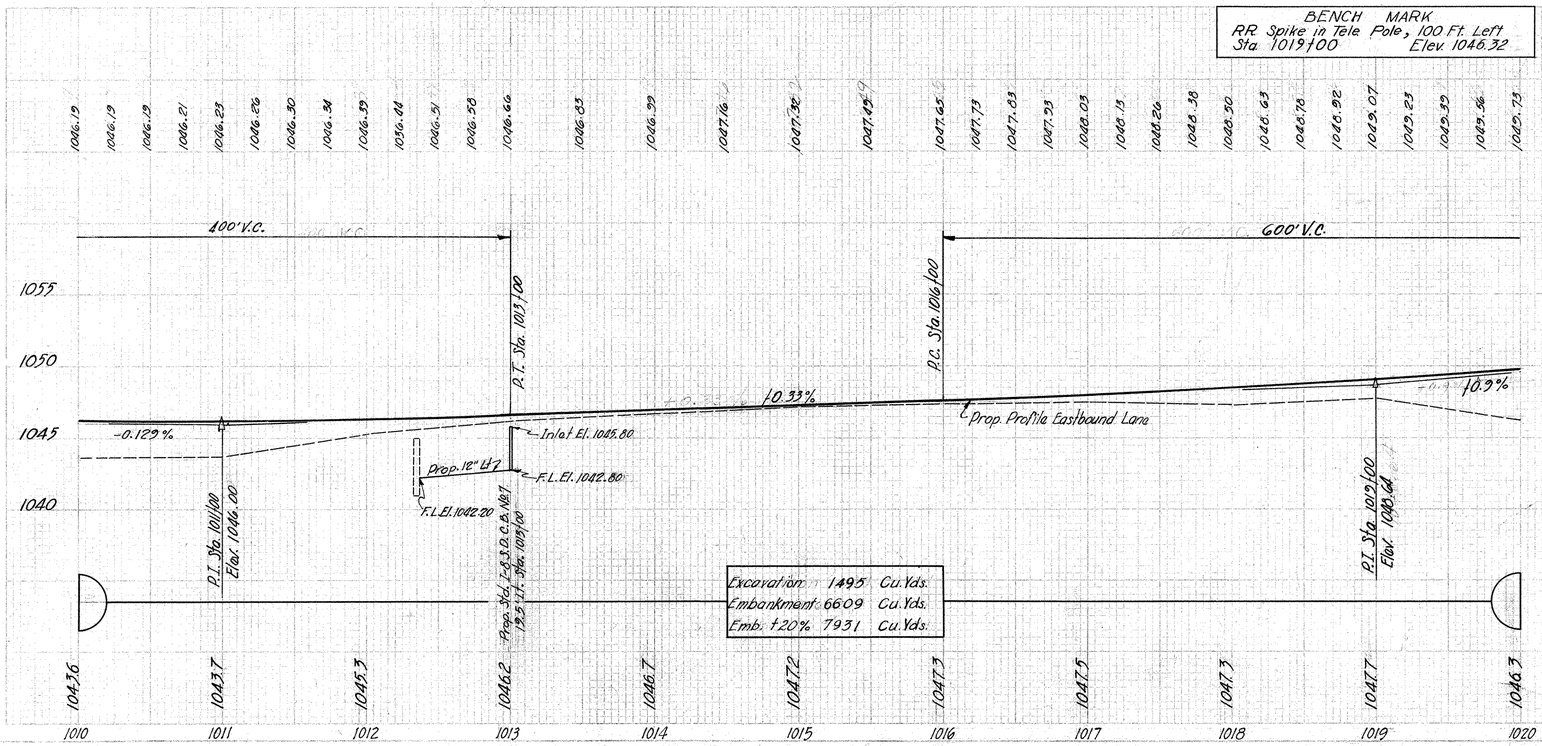
FED. AID DIV. NO.	STATE	PROJECT	TYPE FUND
2	OHIO	F-536-7 FG-536-7 F-16-2	POST WAR

4.3
227

CLARK COUNTY
CLA-40-15.18 - 23.88



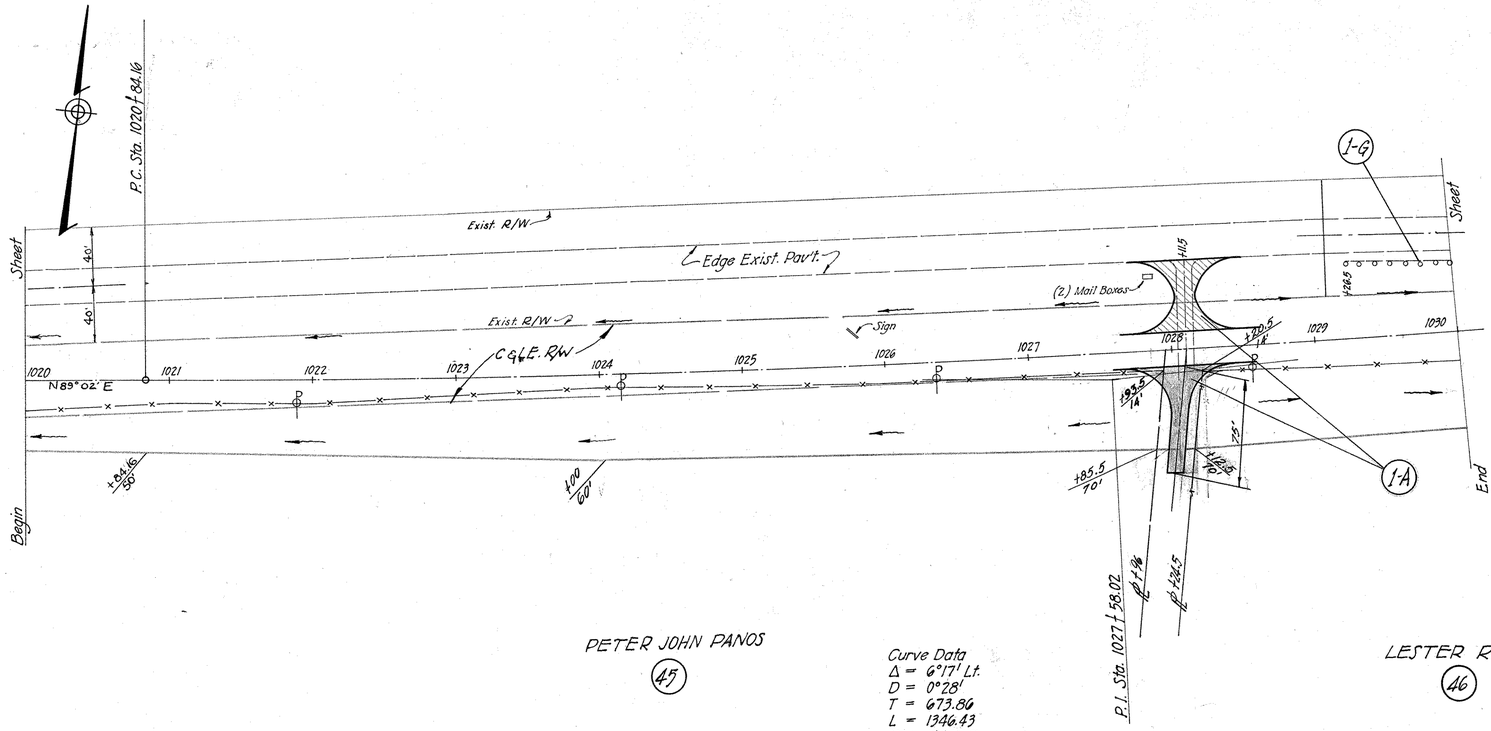
For Pavement and Drainage Details not shown Sta. 1010+00 to Sta. 1014+00 See large scale sheet

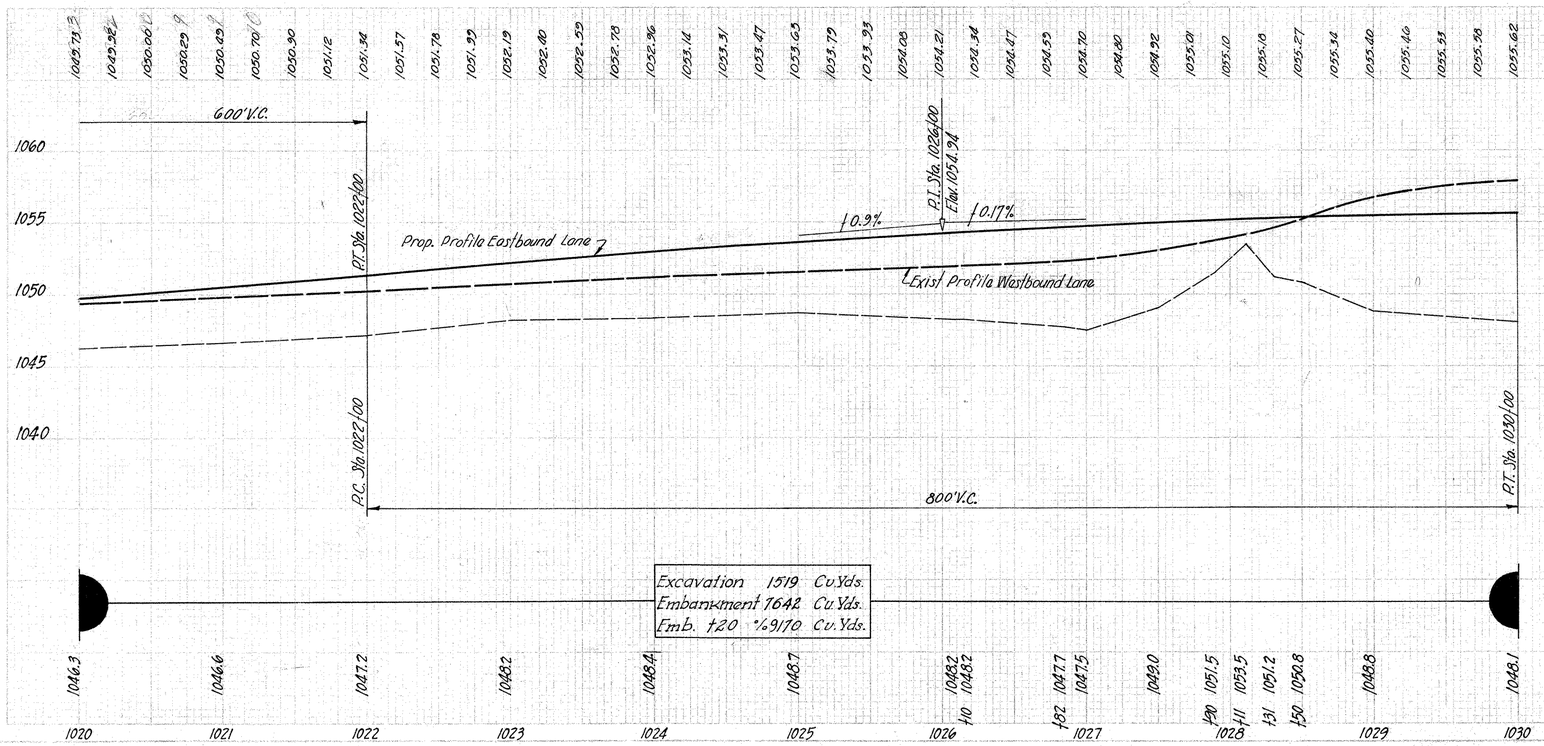


PLAN & PROFILE FROM STA. 1010+00 TO STA. 1020+00

PROJ. NO. DIVISION	STATE	PROJECT	TYPE FUND	44
2	OHIO	F-336-7 FG-336-7 F-1.6-2	POST WAR	227

CLARK COUNTY
CLA.-40-(15.18 - 23.88)





PLAN & PROFILE FROM STA. 1020+00 TO STA. 1030+00

FED. ROAD DIST.	STATE		TYPE FUND	45
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR	227

CLARK COUNTY
CLA.-40-(15.18-23.88)

Curve Data
Δ = 6°17' Lt.
D = 0°28'
T = 673.86
L = 1346.43
R = 12277.7

S.A. BOWMAN et al.

LESTER RUNYAN

Deduct 98 Lin. Ft. Pav't.

Bridge Limits 68 Lin. Ft.

Connect Prop. C.B. to Exist. 18"V.C.P. through Bridge wing using 6 of 18° Pipe and 18"x 36"x 45° C.P. Elbow.

Begin Approach Slab Sta. 1031+27.65

Sta. 1031+95.65

End Approach Slab Sta. 1032+06.65

P.T. Sta. 1034+30.59

Exist. R/W

Edge Exist. Pav't

Remove Exist. 18" V.S.P.

Prop. 12" Pipe

C.B.

Outlet Prop. C.B. through Br. Abut. using 6 of 18" Pipe

Remove Ex. 18" V.S.P.

Prop. 15"

Remove Ex. 18" V.S.P.

Prop. 15" Pipe Lt.

Remove Ex. 15" V.S.P. Lt.

Proposed South Lanes

N 82° 45' E

Prop. 10" Pipe

Sec. 35, T6, R29
Sec. 2, T5, R29

Begin

End

Sheet

Note: For bridge data see sheet No. 223

Beaver Creek

BENCH MARK
N.W. Corner of Bridge Curb, 97 Ft Left
Sta. 1031+30 Elev. 1058.40

Exist. Profile Westbound Lane

+0.17%

Prop. Profile Eastbound Lane

Inlet El. 1053.05 Inlet El. 1051.50

Remove Pipe at Sta.

Prop. 12" Lt. -0.6%

F.L. El. 1050.50

F.L. El. 1049.77

F.L. El. 1049.30

Prop. 1-G C.B. No. 1-2A 30' Lt. Sta. 1030+00

Prop. 1-G C.B. No. 1-2A 36.5' Lt. Sta. 1031+22

Inlet El. 1051.30

High water El. 1050.40

F.L. El. 1049.20

F.L. El. 1046.50

F.L. El. 1045.50

Normal water El. 1045.79

F.L. El. 1045.31

Prop. 1-G C.B. No. 1-2A 38.5' Lt. Sta. 1032+04

Remove Ex. 15" V.S.P. Lt.

Prop. 15" Pipe Lt.

F.L. El. 1050.50

F.L. El. 1050.80

For Bridge Data See Sheet No 223

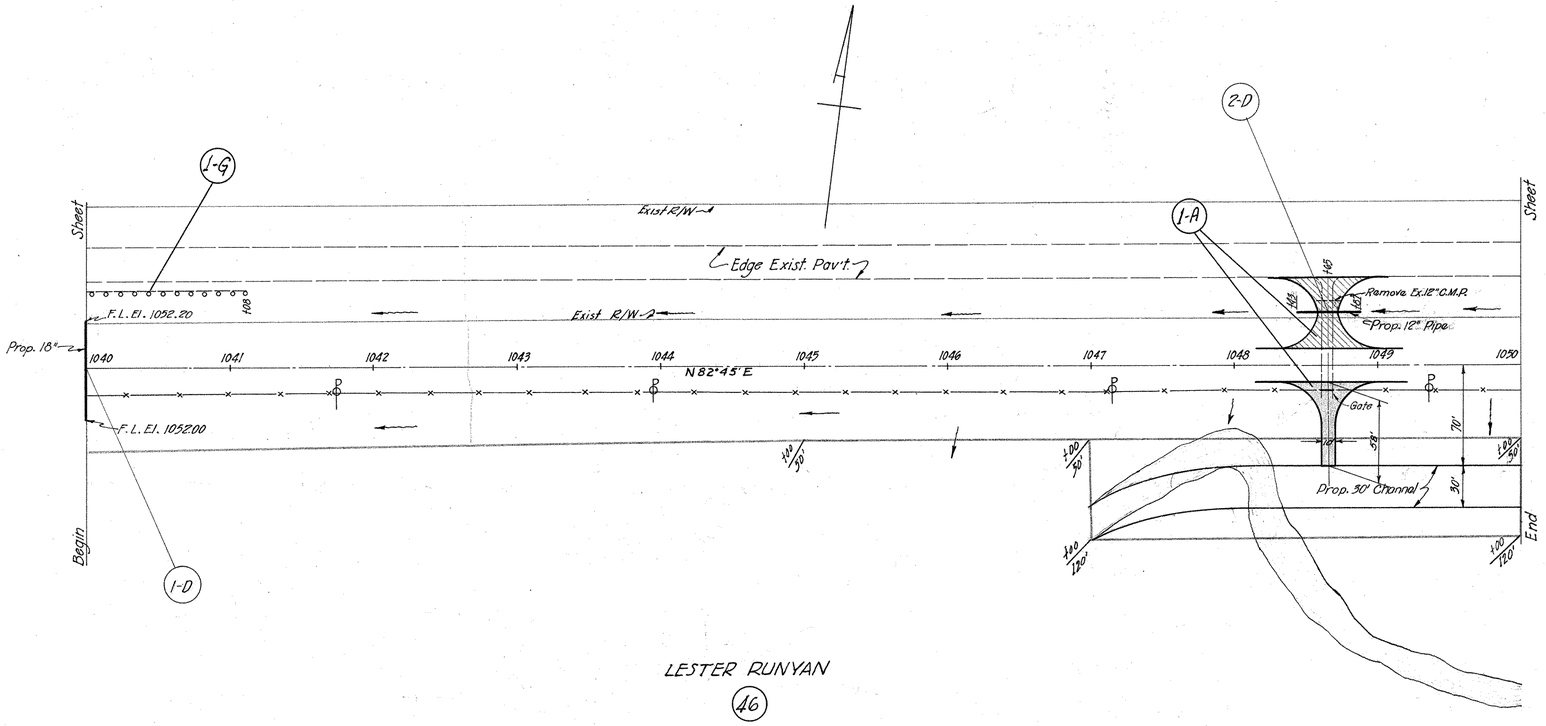
Excavation	1373 Cu.Yds.
Embankment	10420 Cu.Yds.
Emb. +20 %	1250A Cu.Yds.

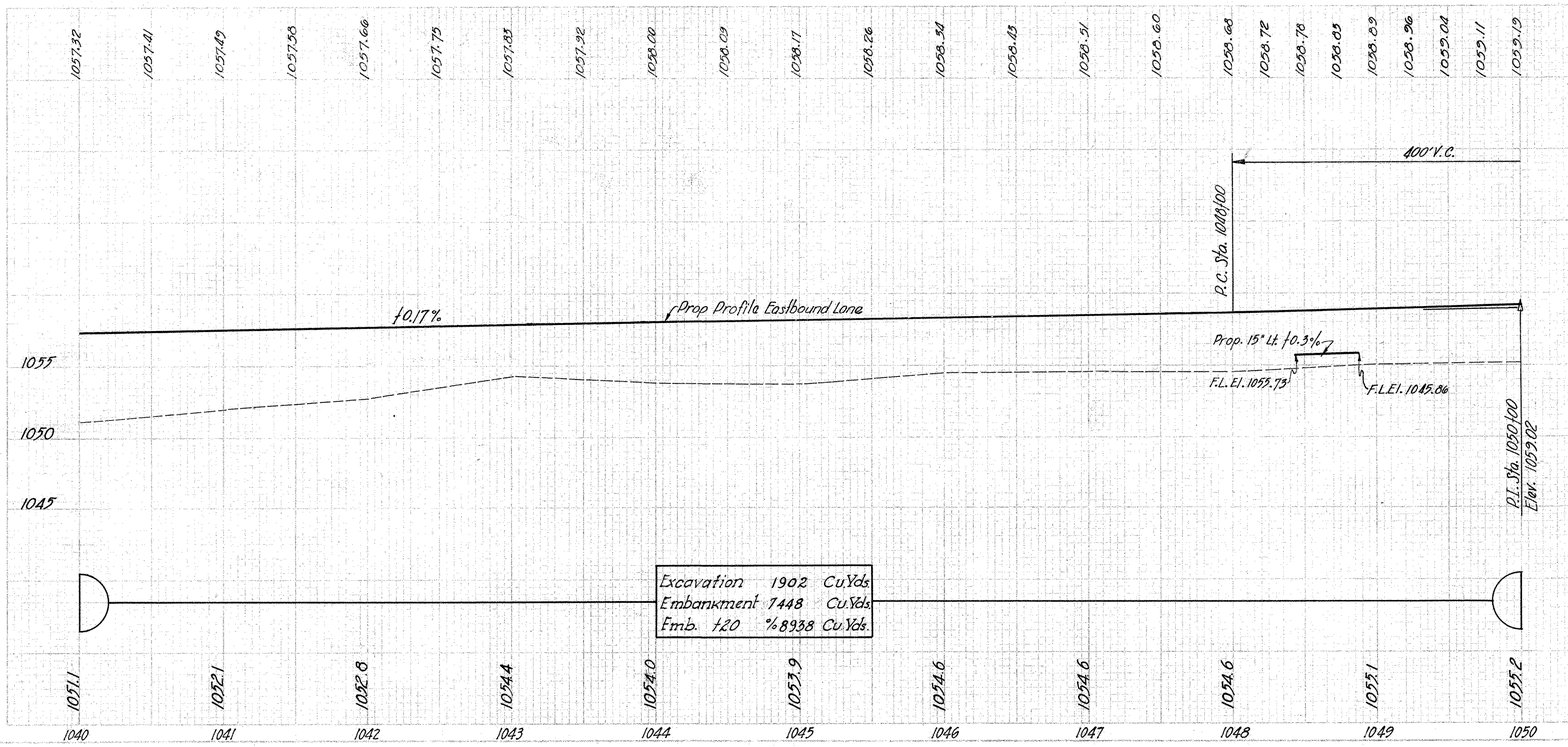
PLAN & PROFILE FROM STA. 1030+00 TO STA. 1040+00

FED. AID DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-338-7 F-16-2	POST WAR

46
227

CLARK COUNTY
CLA.-40-(15.18-23.88)





LESTER RUNYAN

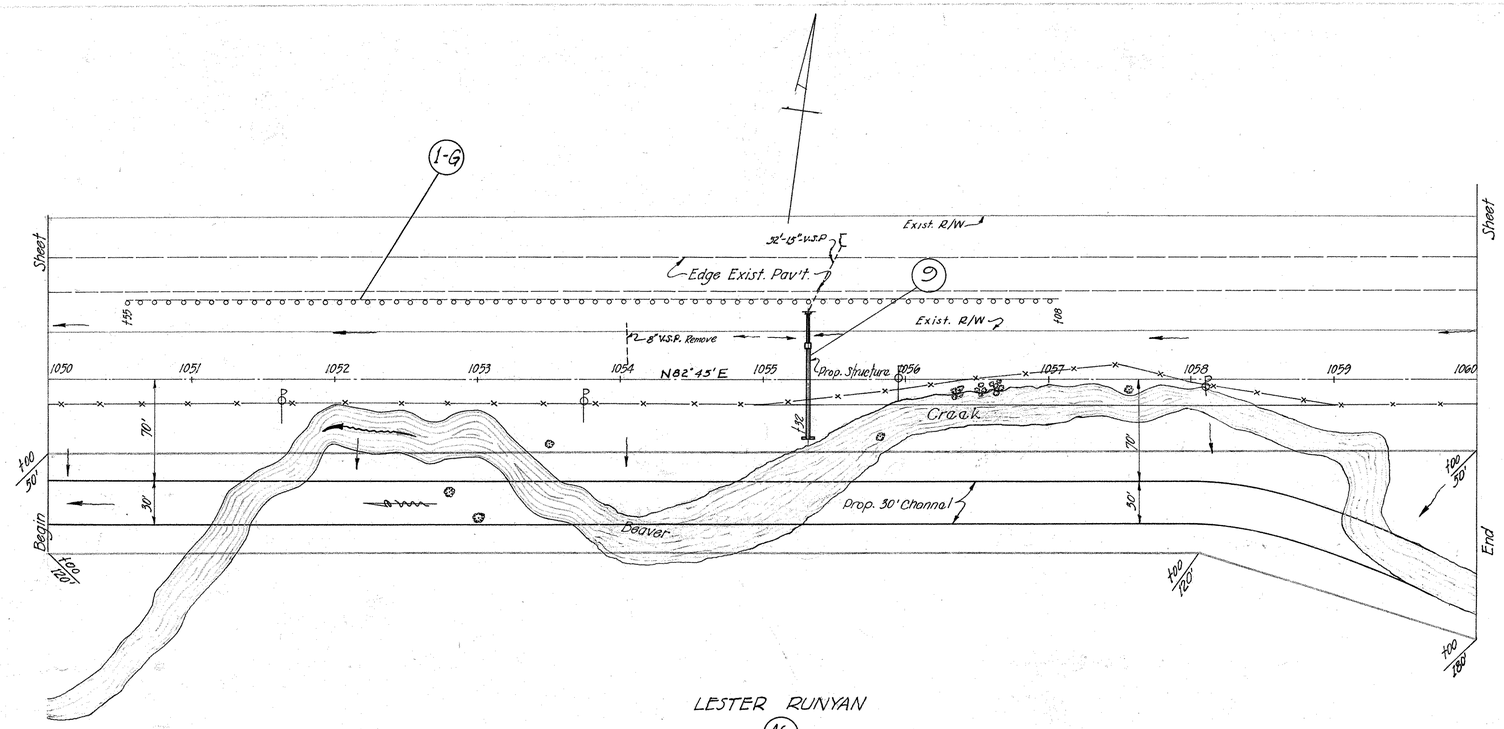
46

PLAN & PROFILE FROM STA. 1040+00 TO STA. 1050+00

FED. AID PROJECT	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

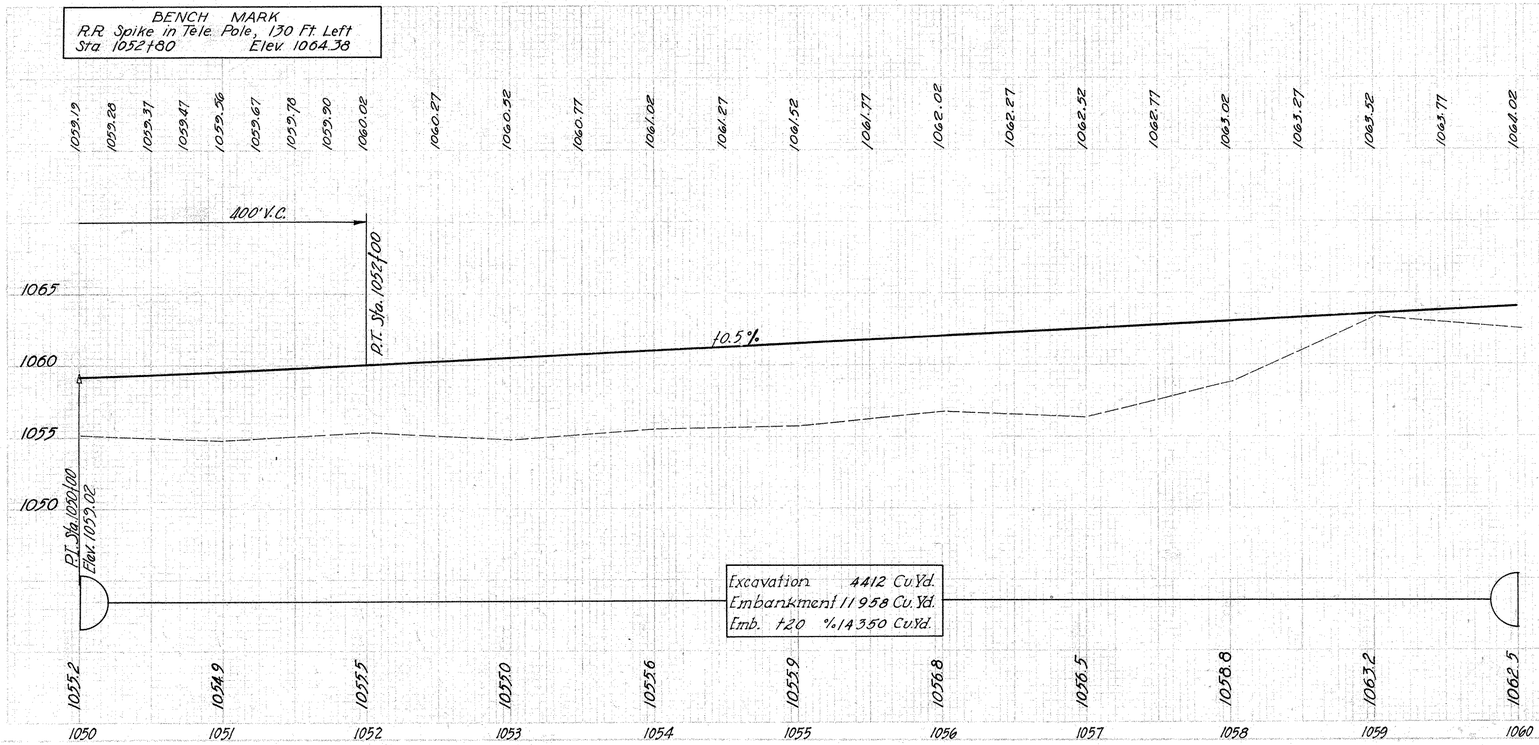
47
227

CLARK COUNTY
CLA-40-(15.18~23.88)



LESTER RUNYAN

(46)



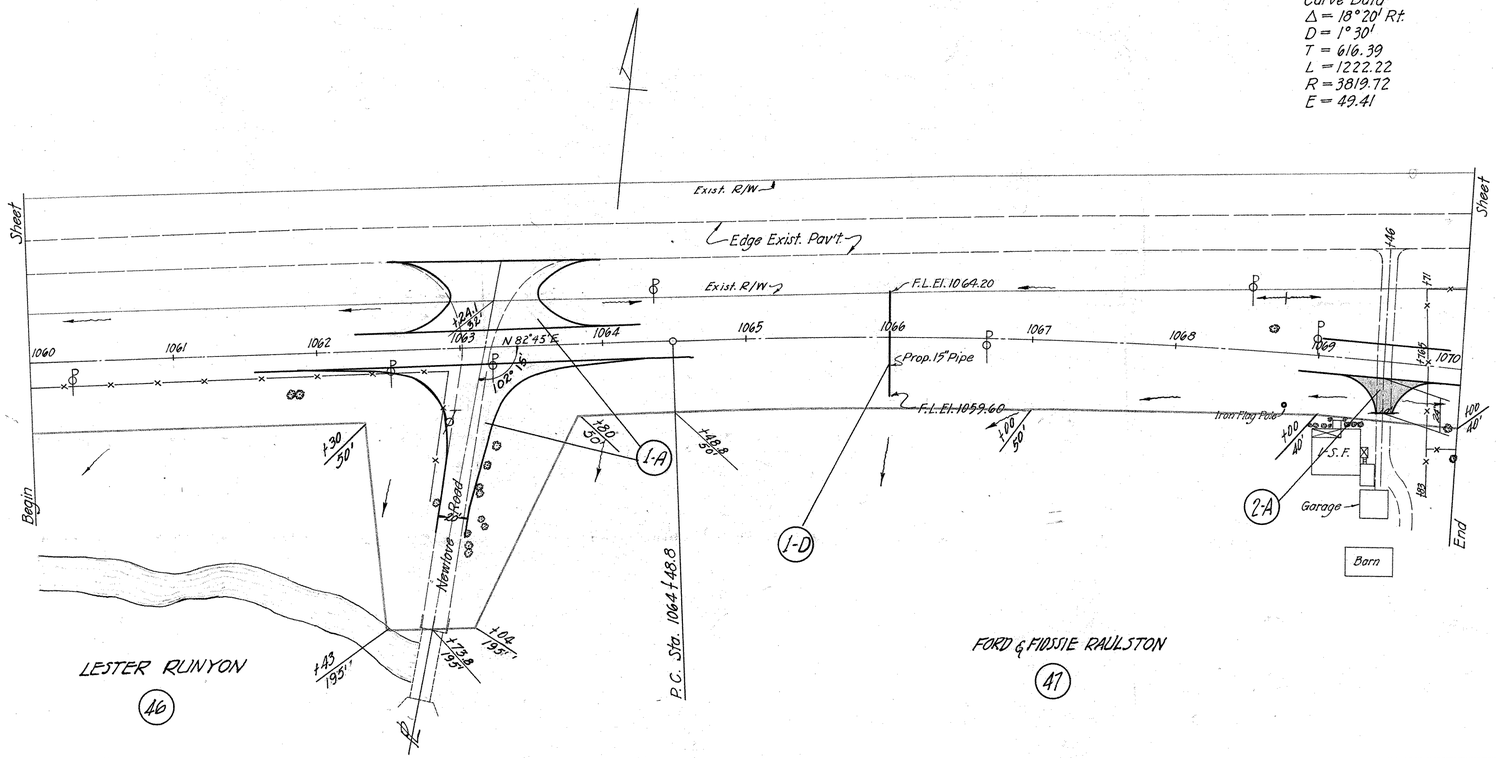
PLAN & PROFILE FROM STA. 1050+00 TO STA. 1060+00

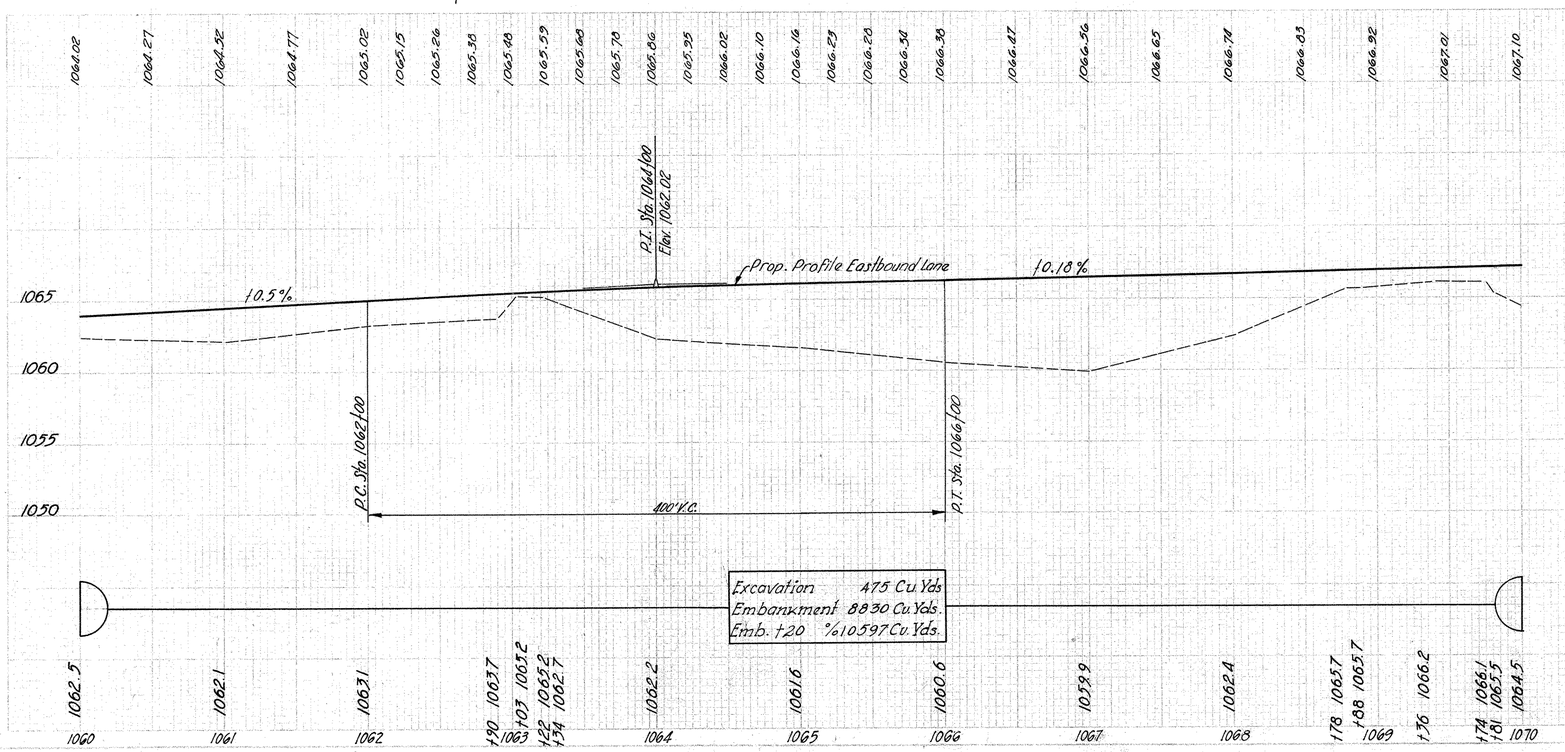
FED. ROAD DIV. NO.	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-336-7 F-16-2	POST WAR

48
227

CLARK COUNTY
CLA-40-(15.18-23.88)

Curve Data
Δ = 18°20' Rt.
D = 1°30'
T = 616.39
L = 1222.22
R = 3819.72
E = 49.41



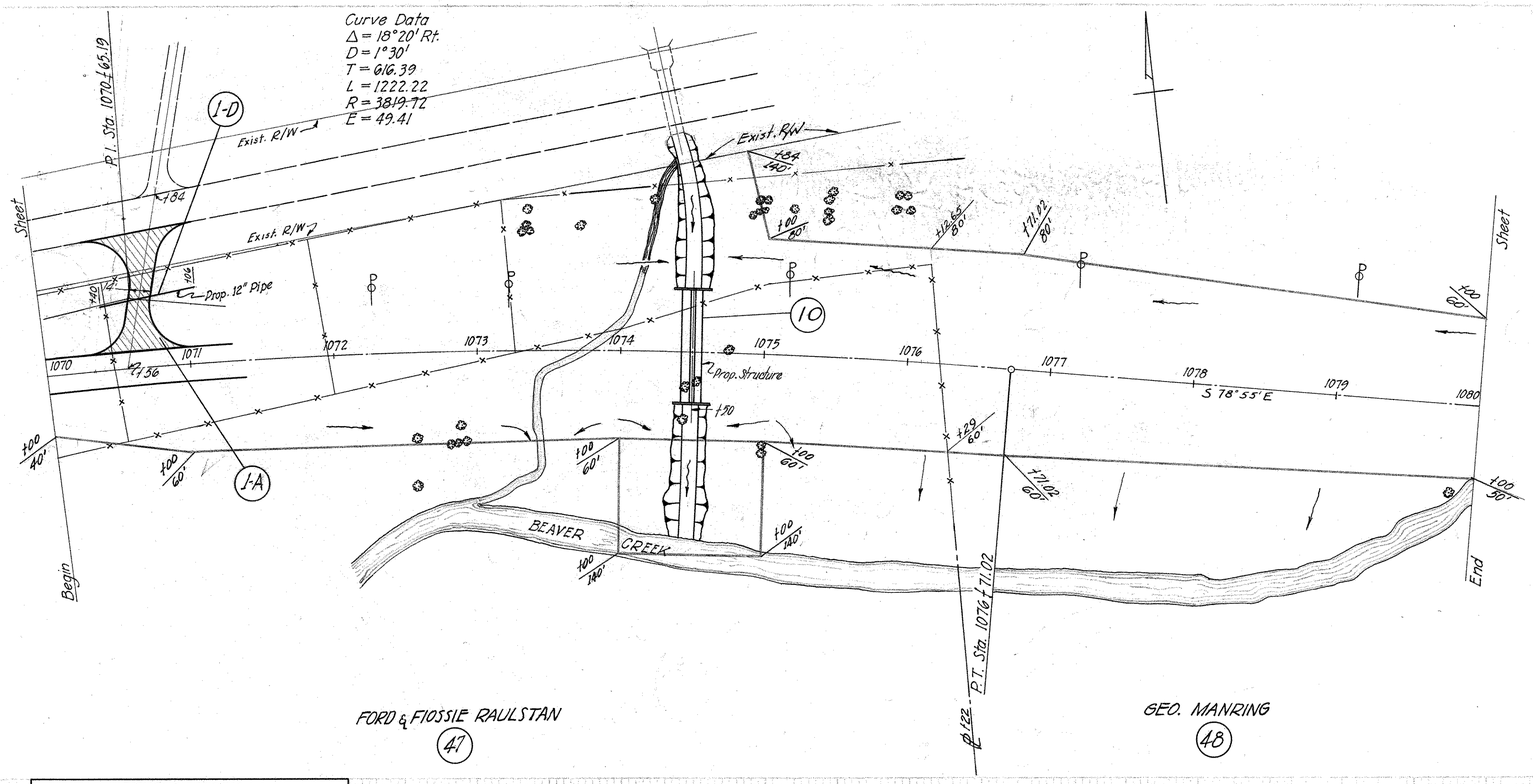


PLAN & PROFILE FROM STA. 1060+00 TO STA. 1070+00

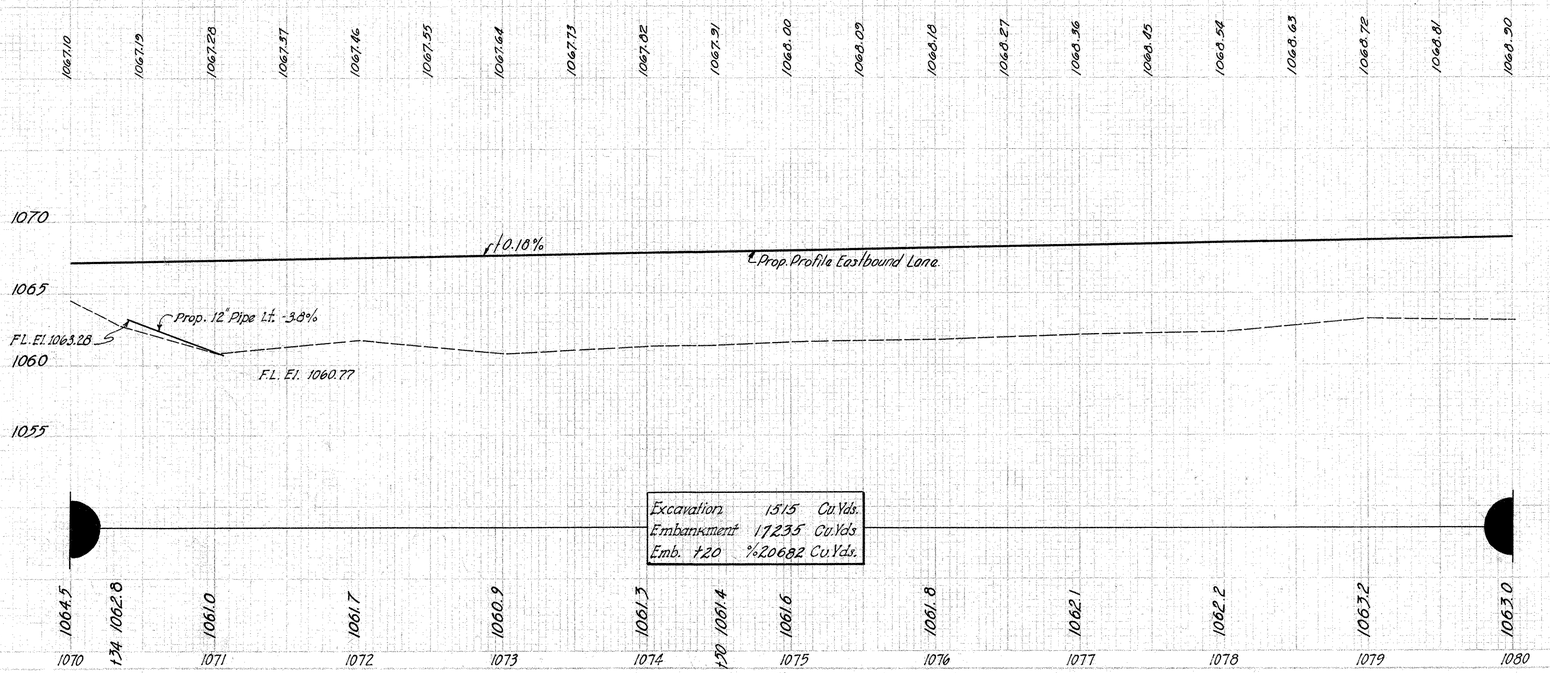
SEC. NO. PROJECT	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-76-2	POST WAR

49
227

CLARK COUNTY
CLA.-40-(15.18-23.88)



BENCH MARK
R.R. Spike in Tele. Pole, 150 Ft. Left
Sta. 1070+40 Elev. 1064.61



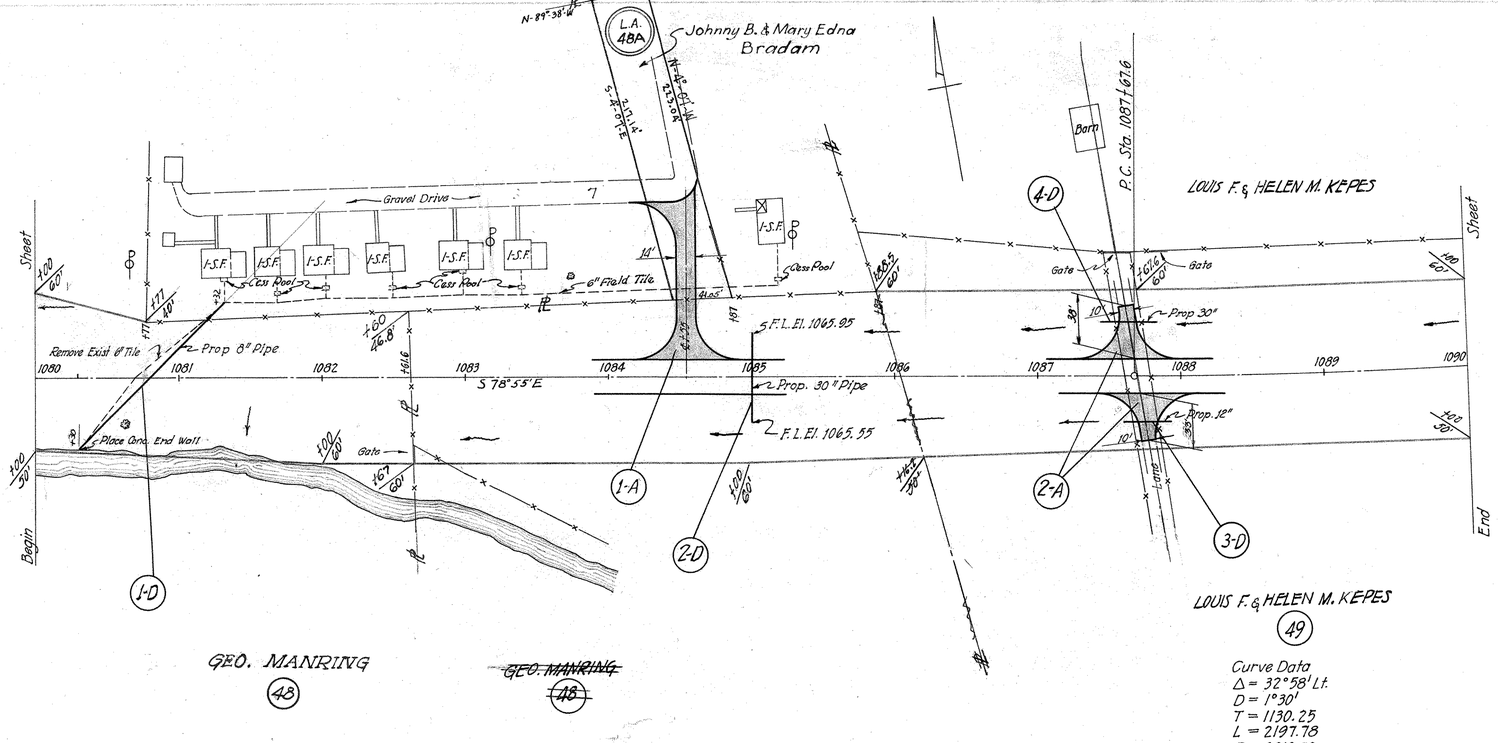
Excavation	1515 Cu.Yds.
Embankment	17235 Cu.Yds.
Emb. +20 %	20682 Cu.Yds.

PLAN & PROFILE FROM STA. 1070+00 TO STA. 1080+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-536-7 FG-538-7 F-16-2	POST WAR

50
227

CLARK COUNTY
CLA.-40-(1.5.18 - 23.88)



Curve Data
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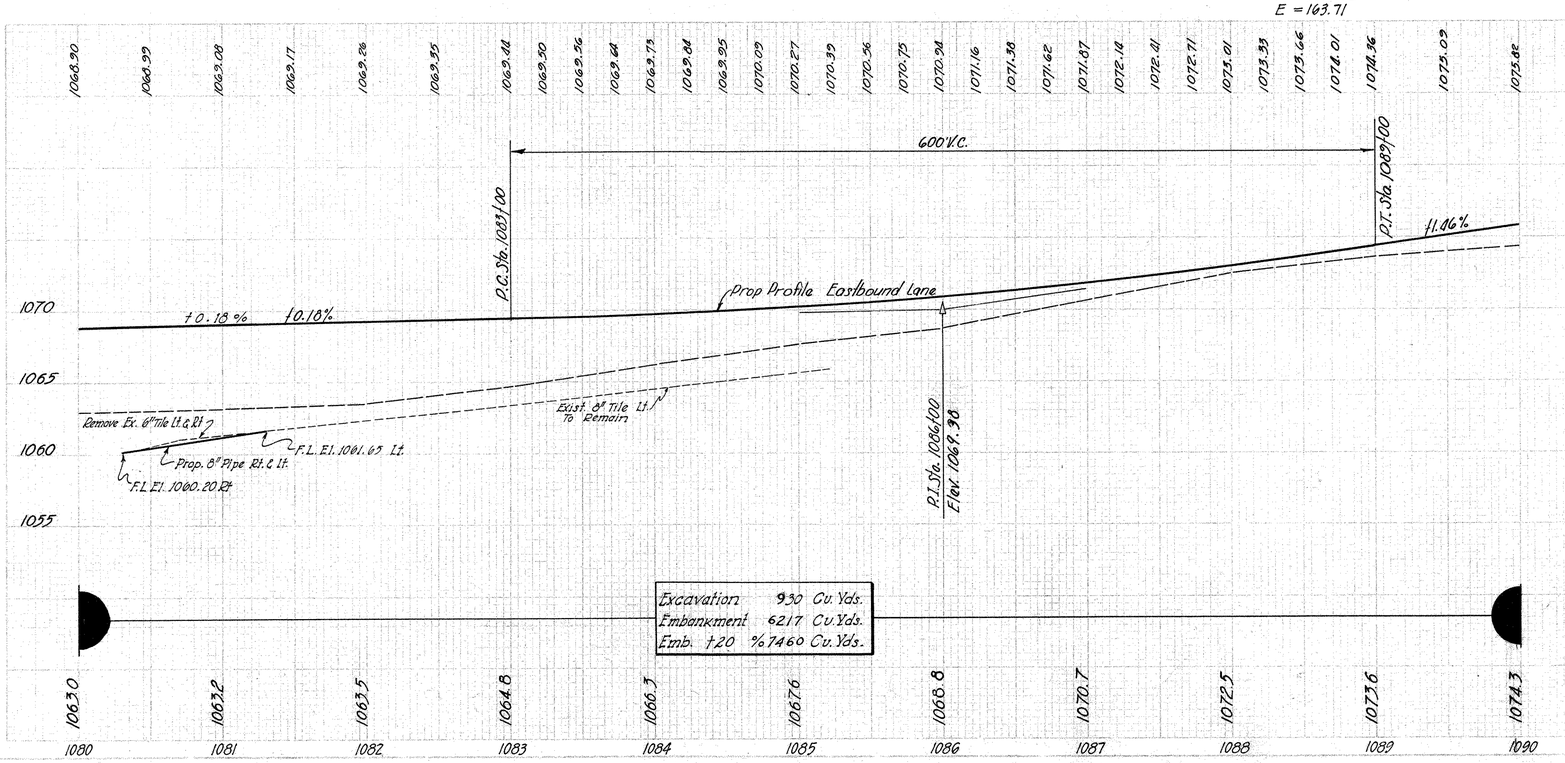
D = 1°30'
T = 1130.25
L = 2197.78
R = 3819.72
E = 163.71

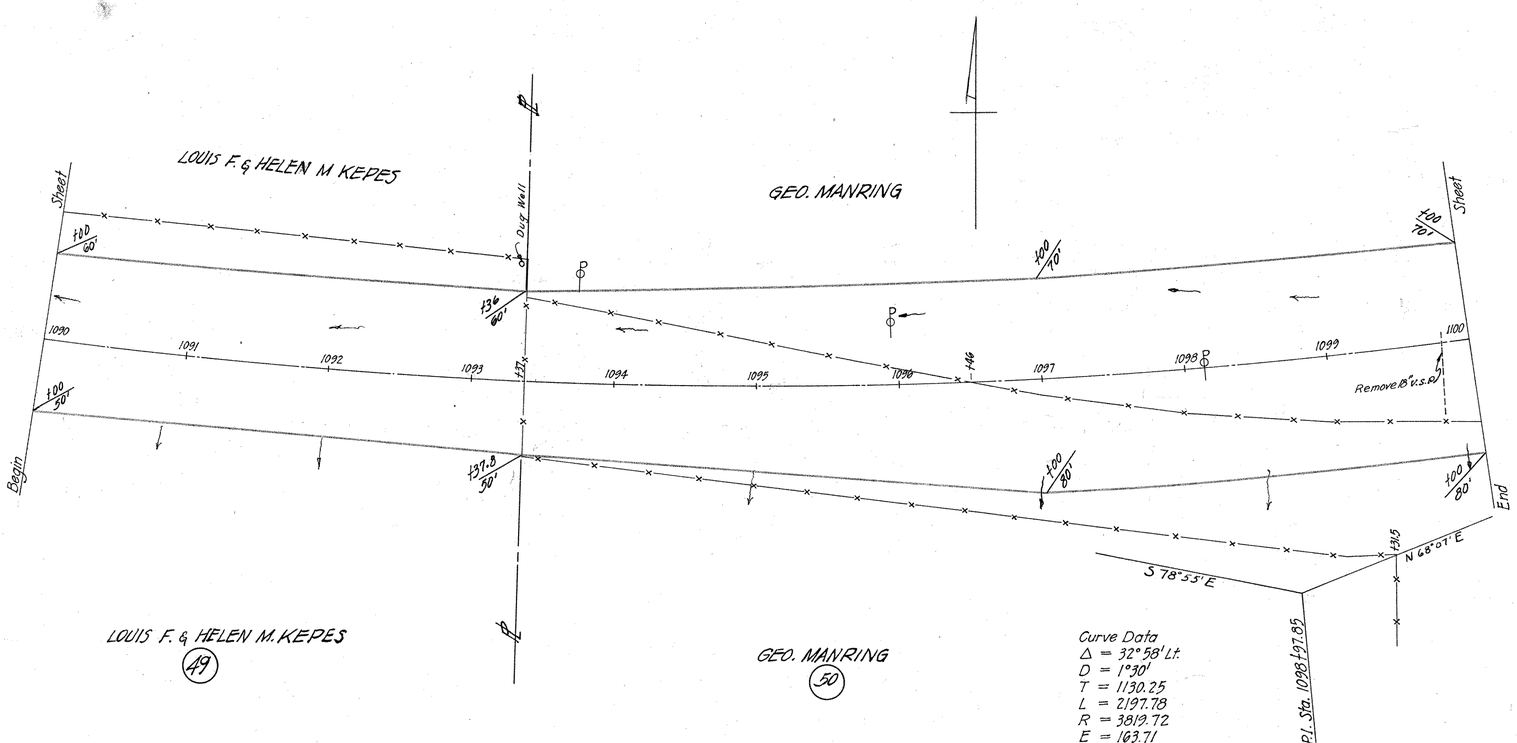


PLAN & PROFILE FROM STA. 1080+00 TO STA. 1090+00

FED. ROAD DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 E-16-2	POST WAR

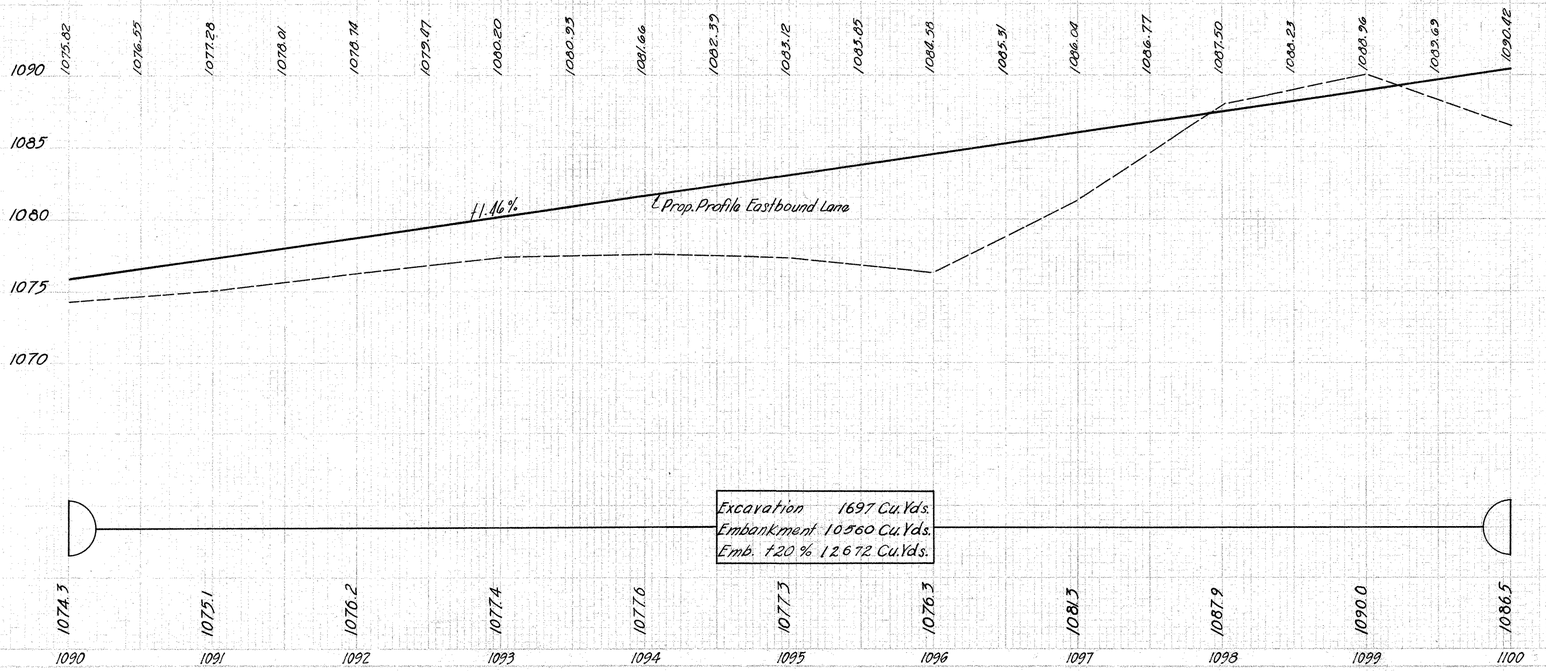
51
227

CLARK COUNTY
CLA.-40-(15.18-23.88)



Curve Data
Δ = 32°58' Lt.
D = 1°30'
T = 1130.25
L = 2197.78
R = 3819.72
E = 163.71

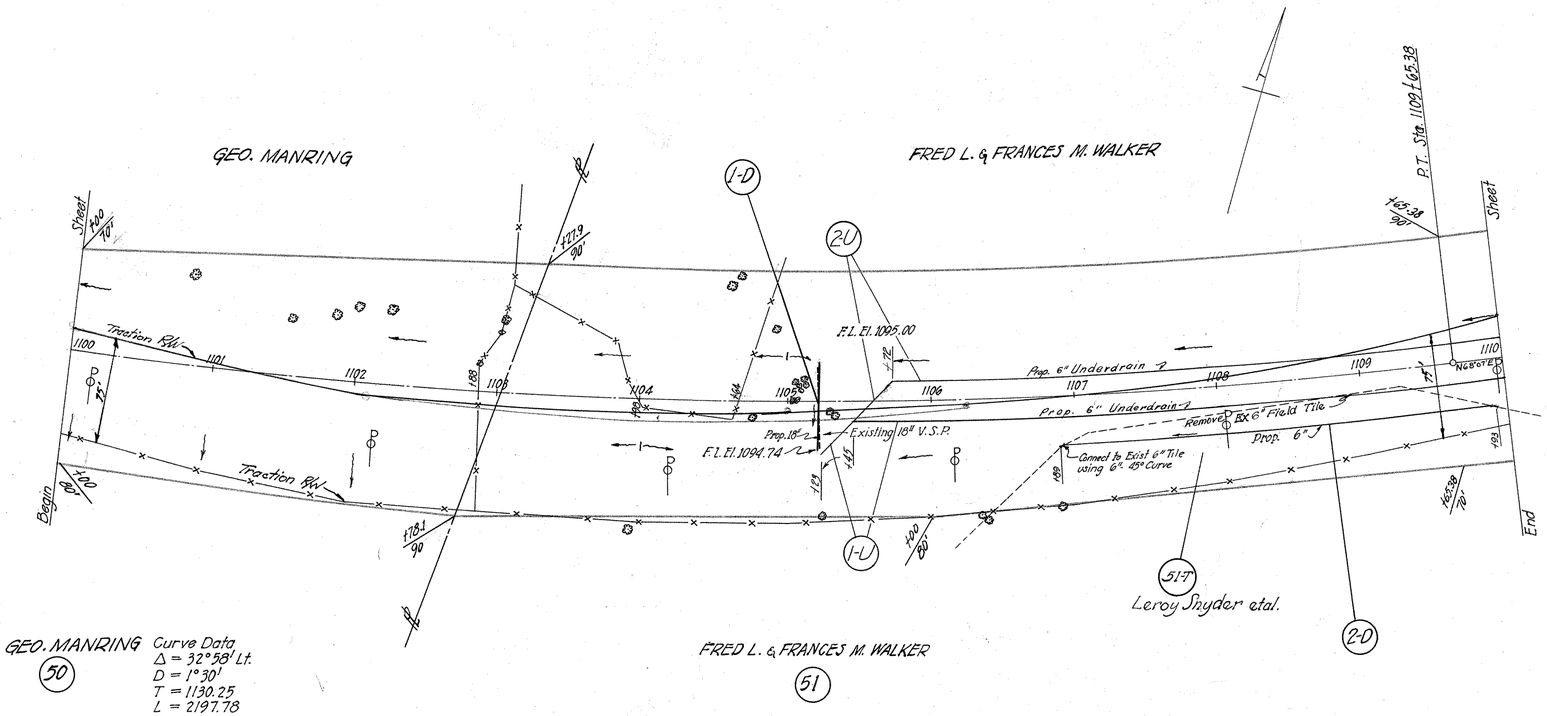
BENCH MARK
R.R. Spike in Power Pole 80 Ft Left
Sta. 1091+50 Elev. 1078.63

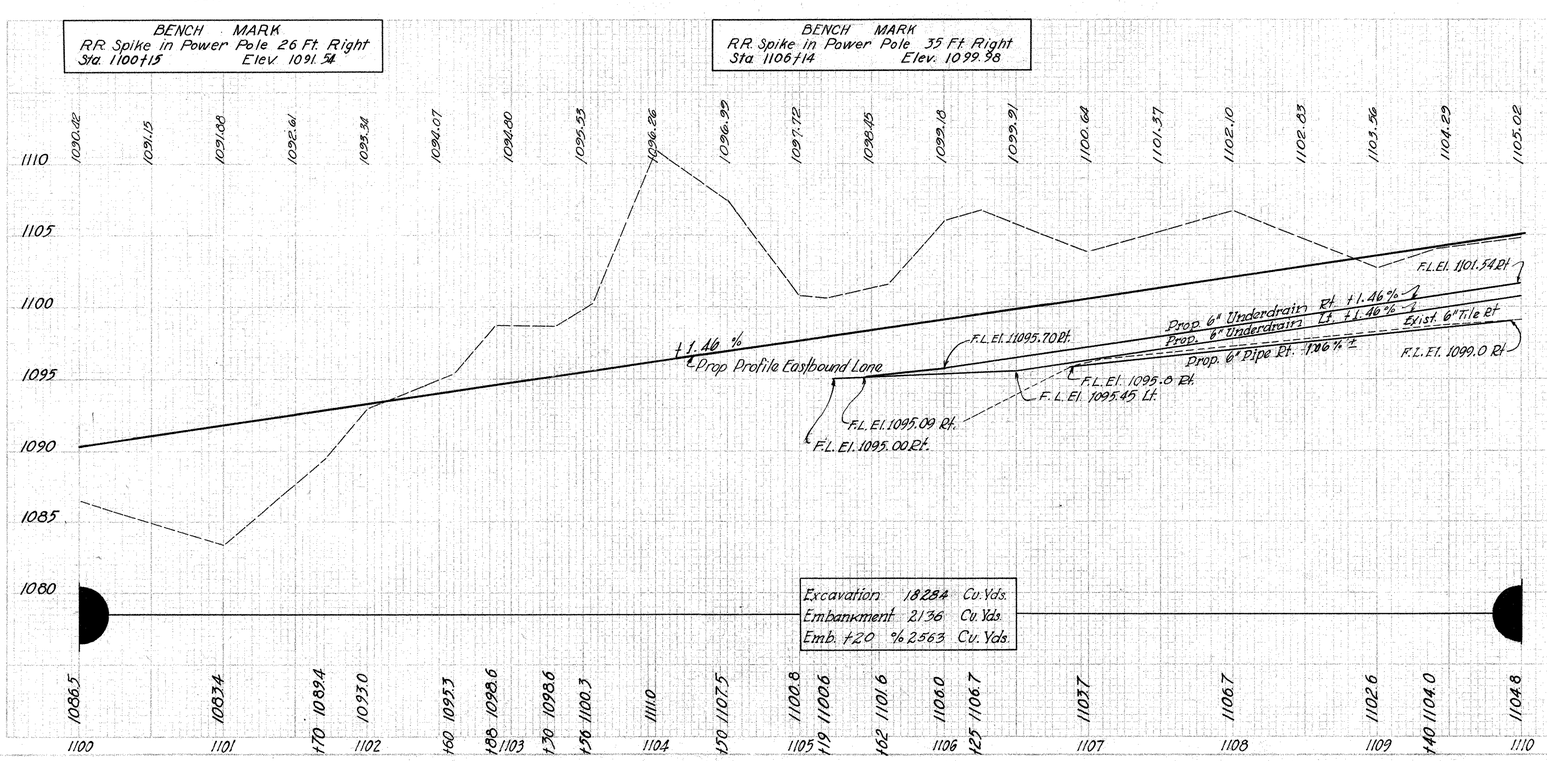


PLAN & PROFILE FROM STA. 1090+00 TO STA. 1100+00

FED. AID DIVISION	STATE	PROJECT	TYPE FUND	52
2	OHIO	F-356-7 FG-356-7 P-76-2	POST WAR	227

CLARK COUNTY
CLA.-40-(15.18-23.88)



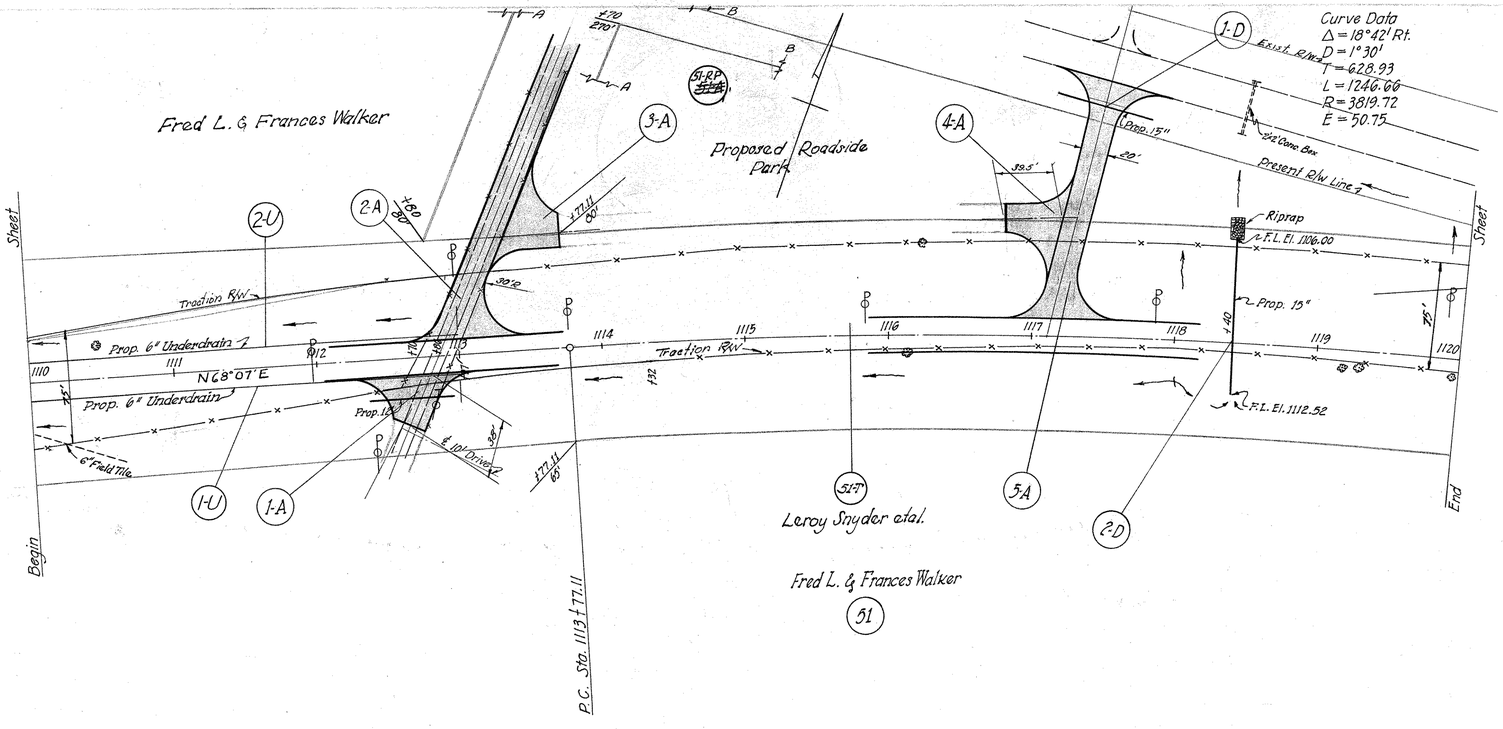


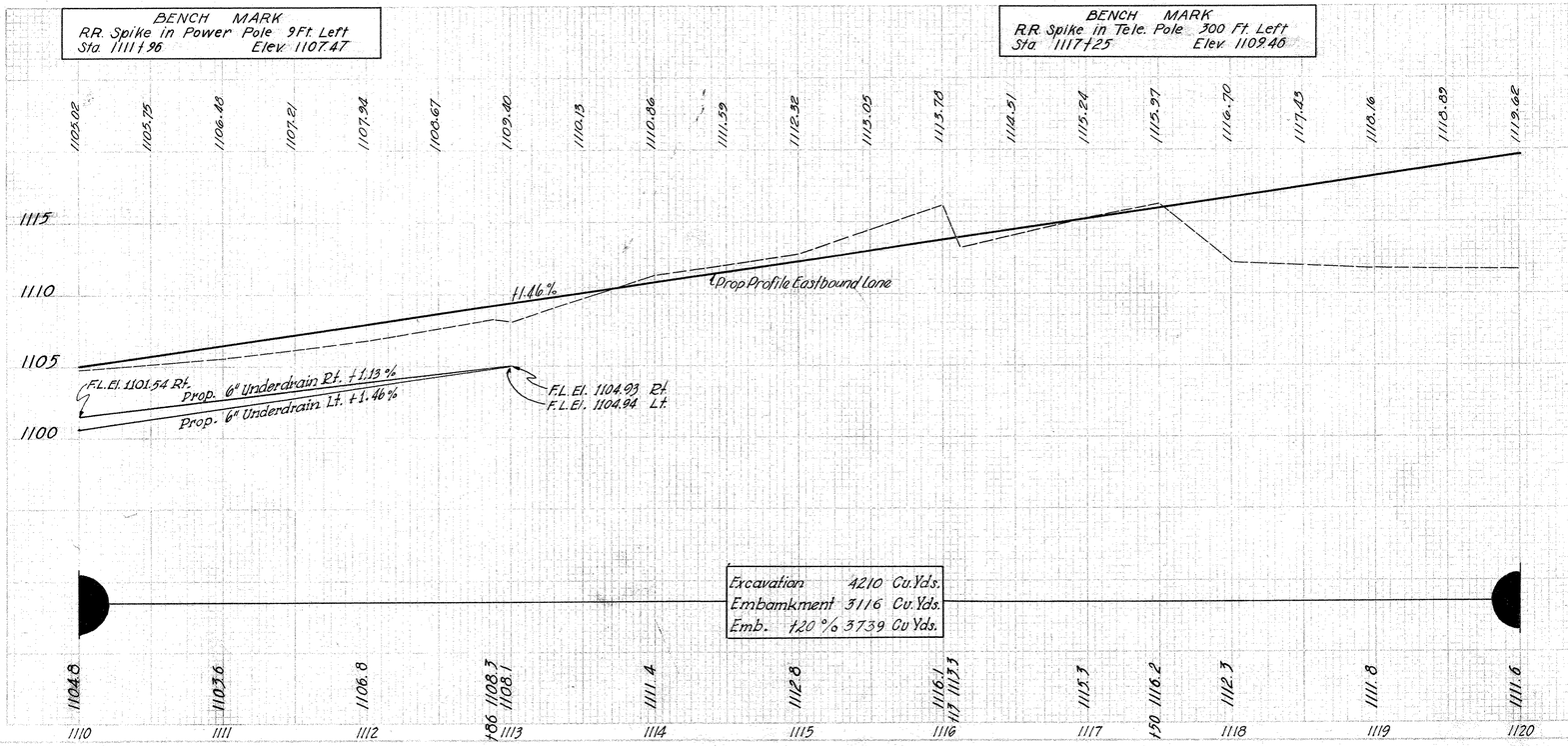
PLAN & PROFILE FROM STA. 1100+00 TO STA. 1110+00

FED. ROAD DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-7	POST WAR

53
227

CLARK COUNTY
CLA.-40-(15.18-23.88)





PLAN & PROFILE FROM STA. 1110+00 TO STA. 1120+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

54
227

CLARK COUNTY
CLA-40 (15.18 - 23.88)

Curve Data
Δ = 18°42' Rt.
D = 1°30'
T = 628.93
L = 1246.66
R = 3819.72
E = 50.75

P.I. Sta. 1120+06.04

N66°07'E

N86°49'E

Present R/W

Edge Exist. Pav't.

Present R/W

Sheet

Sheet

Traction R/W

Traction R/W

Prop. 6" Underdrain

Prop. 6" Underdrain

1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130

+187 +30 +40 +30 +40 +38 +30 +40 +30 +195

2-U

1-U

Begin

End

Fred L. & Frances M. Walker.

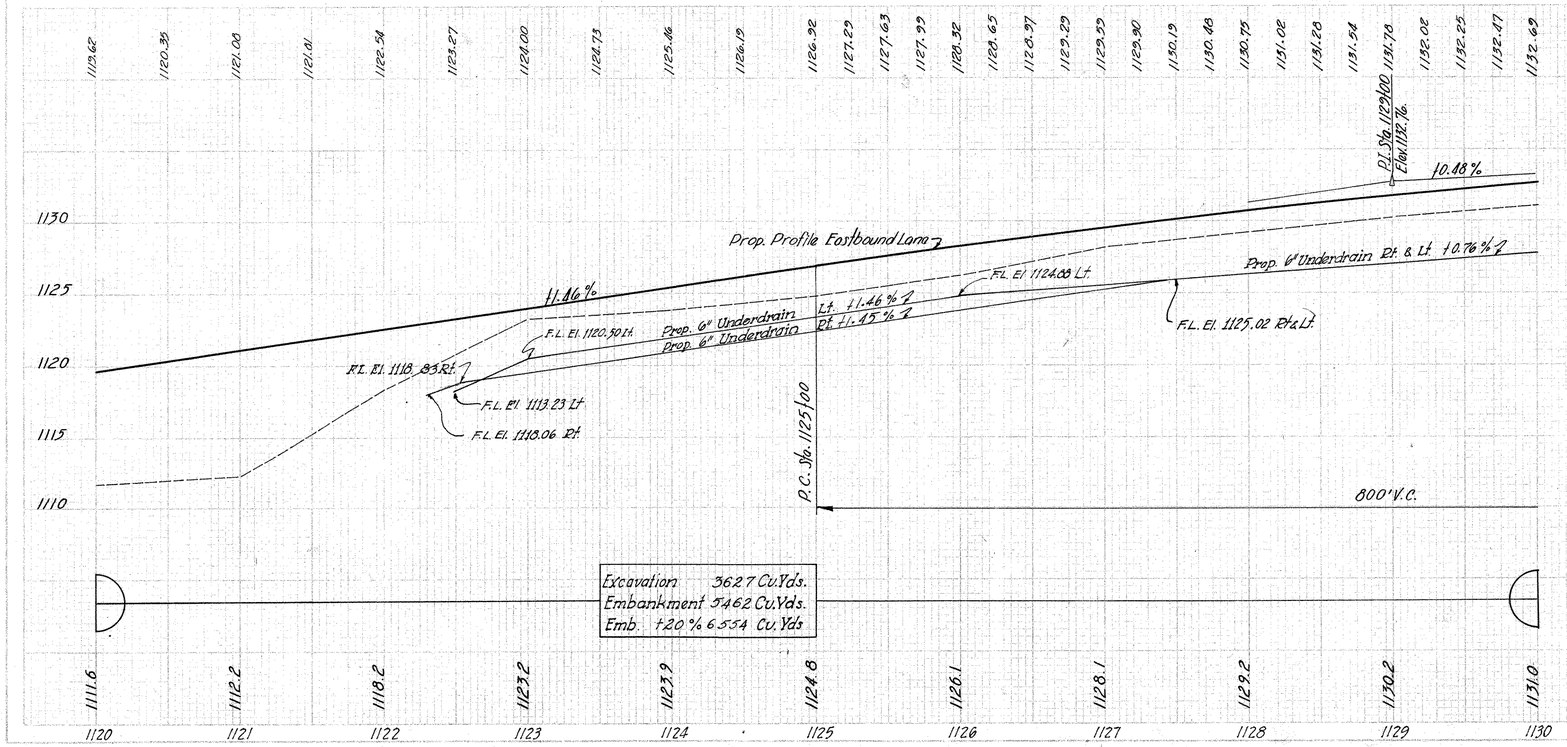
51

51-T

Leroy Snyder et al.

P.T. Sta. 1126+23.77

1128.77 ℄

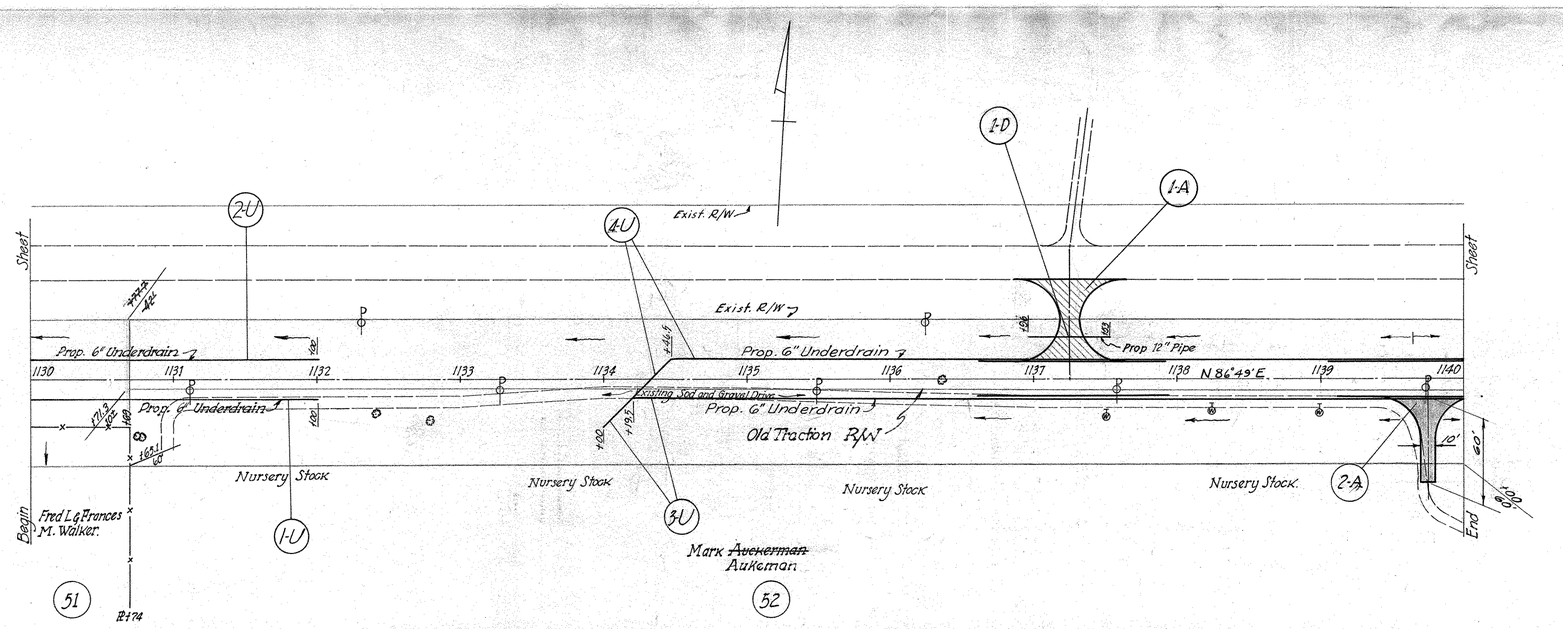


PLAN & PROFILE FROM STA. 1120+00 TO STA. 1130+00

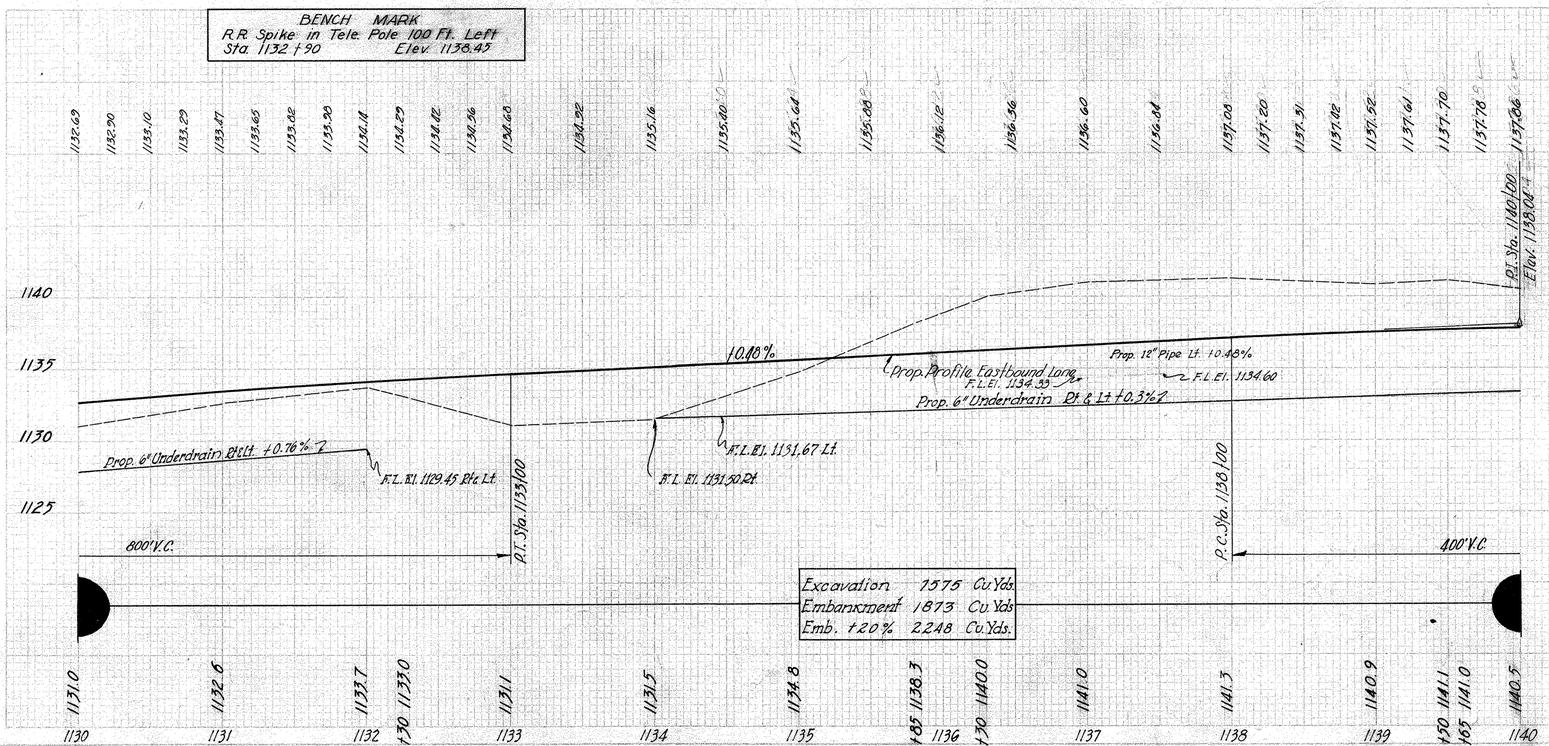
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	C-336-7 PG-336-7 F-16-2	POST WAR

55
227

CLARK COUNTY
CLA-40-(15.18-23.88)



BENCH MARK
R.R. Spike in Tele. Pole 100 Ft. Left
Sta. 1132+90 Elev. 1138.45



PLAN & PROFILE FROM STA. 1130+00 TO STA. 1140+00

FED. NO. PROJECT	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

56
227

CLARK COUNTY
CLA.-40-(15.18 - 23.88)

Harry V. Engle
520
1-D
Prop. C.B. No. 2-2A (Modified) Inlet El. 1139.70
Prop. 8" SS
FL El. 1138.00
6" Field Tile
Ex. 6' Drive Pipe Removed
Gas Tank
Gas Tanks
FL El. 1138.60
Canopy
Curb
Existing 12" V.S.P.
Edge Exist. Pav't
Exist. R/W
P.C. Sta. 1149+23.44
1-G
Sheet
Remove Existing 10" C.M.P. Remove
18.5' Prop. 12"
Ex. 12" V.S.P.
Ex. 6" V.S.P.
Ex. C.B.
Ex. 6" Field Tile
Prop. 6" Underdrain
2-U
1-U
1140
1141
1142
1143
1144
1145
1146
1147
1148
1149
1150
+90.20
N 86°-19'-E
10' Stone Drive
Old Traction R/W
Prop. 12"
18.5' Prop. 15"
Prop. 12"
1-A
11
2-A
3-A
Begin
End
Green House
office
2 S. Fr. Res.
Auckerman
Mark Auckerman
52
Auckerman
Mark Auckerman
52
End 8" Tile
Prop. 12"

Curve Data
Δ = 0°03' Lt.
D = 0°01'
T = 150.00
L = 300.00
R = 343774.80
E = 0.03

BENCH MARK
RR. Spike in Tele. Pole 25 Ft. Left
Sta. 1149+00 Elev. 1134.73

1137.96 1137.93 1138.00 1138.06 1138.12 1138.17 1138.21 1138.25 1138.20 1138.34 1138.40 1138.46 1138.52 1138.58 1138.64 1138.70 1138.76 1138.82 1138.88 1138.94 1139.00 1139.06 1139.12 1139.18 1139.24

P.T. Sta. 1140+00.0
Elev. 1138.04

1140
1135
1130
1125
1120

+0.12%

Prop. Profile Eastbound Lane

Prop. 6" Underdrain Rt. & Lt. +0.3%
F.L. El. 1133.48 Rt. & Lt.
P.T. Sta. 1142+00
400' V.C.

Excavation 2258 Cu.Yd.
Embankment 9247 Cu.Yd.
Emb. +20 %11096 Cu.Yd.

1140.5 1139.1 +73 1138.6 1138.1 +57 1137.3 1132.8 +31 1133.4 +72 1132.41 1136.3 1137.4 1137.5 +78 1136.9 1136.4 +50 1134.4 1133.0 1127.5 1125.7

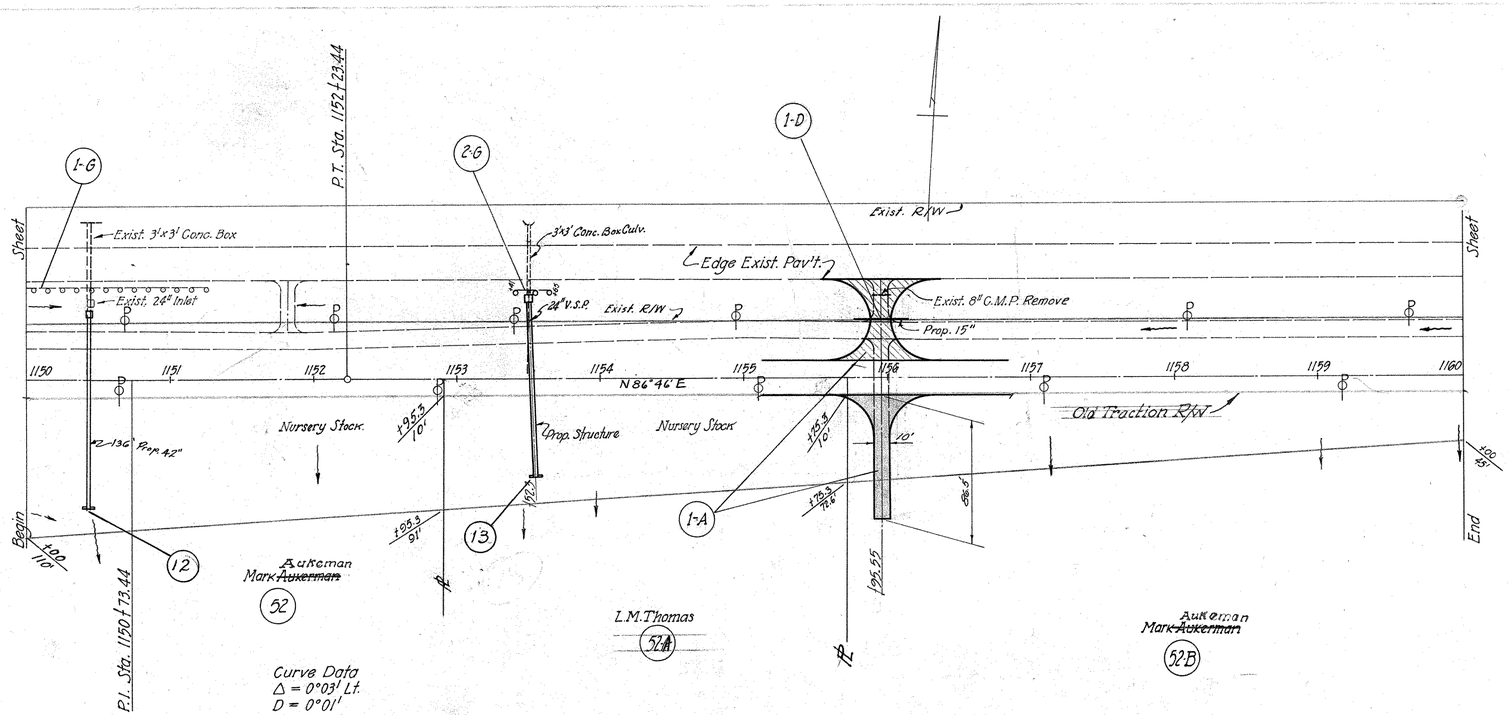
1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150

PLAN & PROFILE FROM STA. 1140+00 TO STA. 1150+00

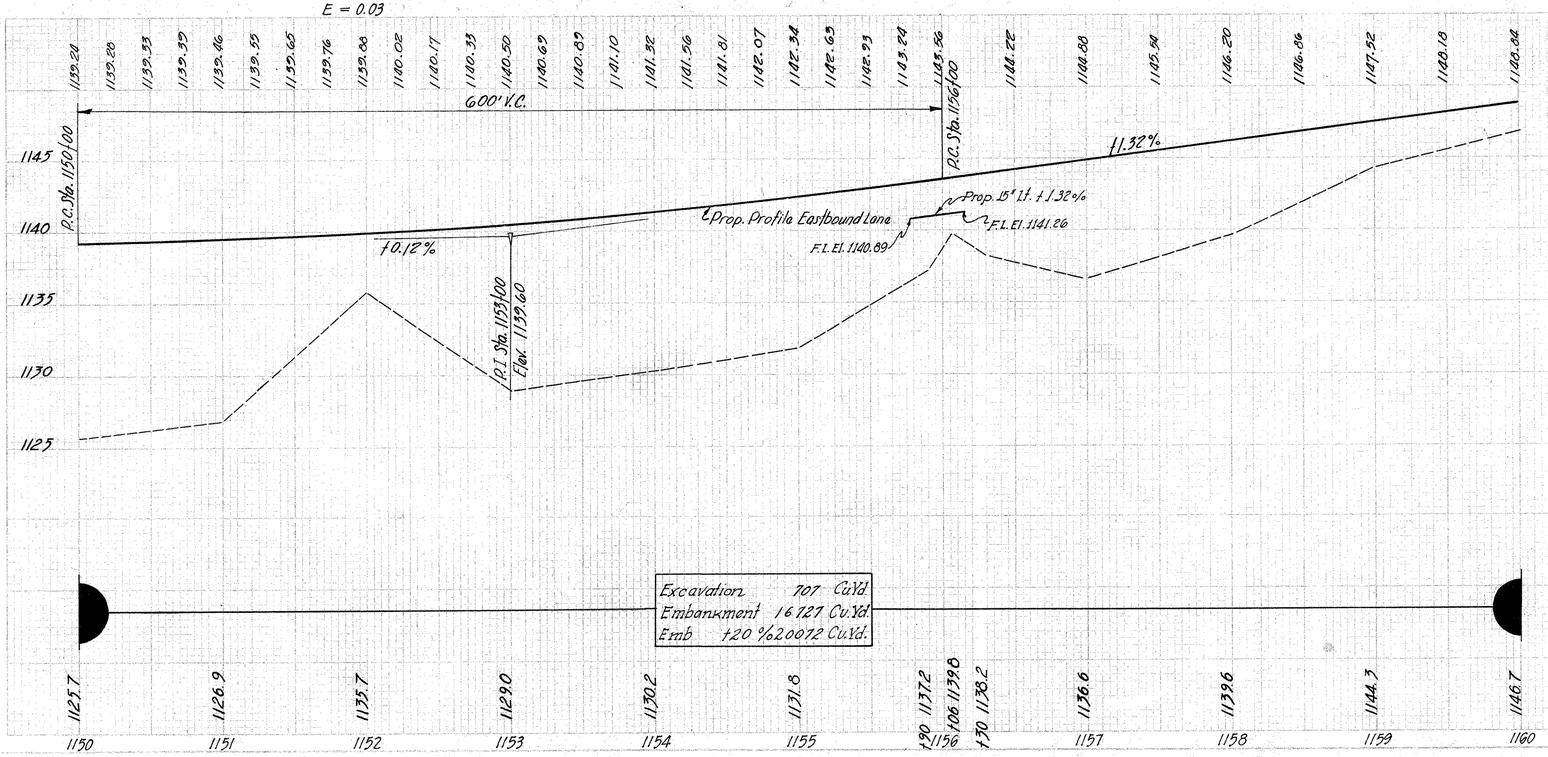
FED. AID PROJECT	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-18-2	POST WAR

57
227

CLARK COUNTY
CLA.-40-(15.18-23.88)



Curve Data
Δ = 0°03' Lt.
D = 0°01'
T = 150.00
L = 300.00
R = 343774.80
E = 0.03



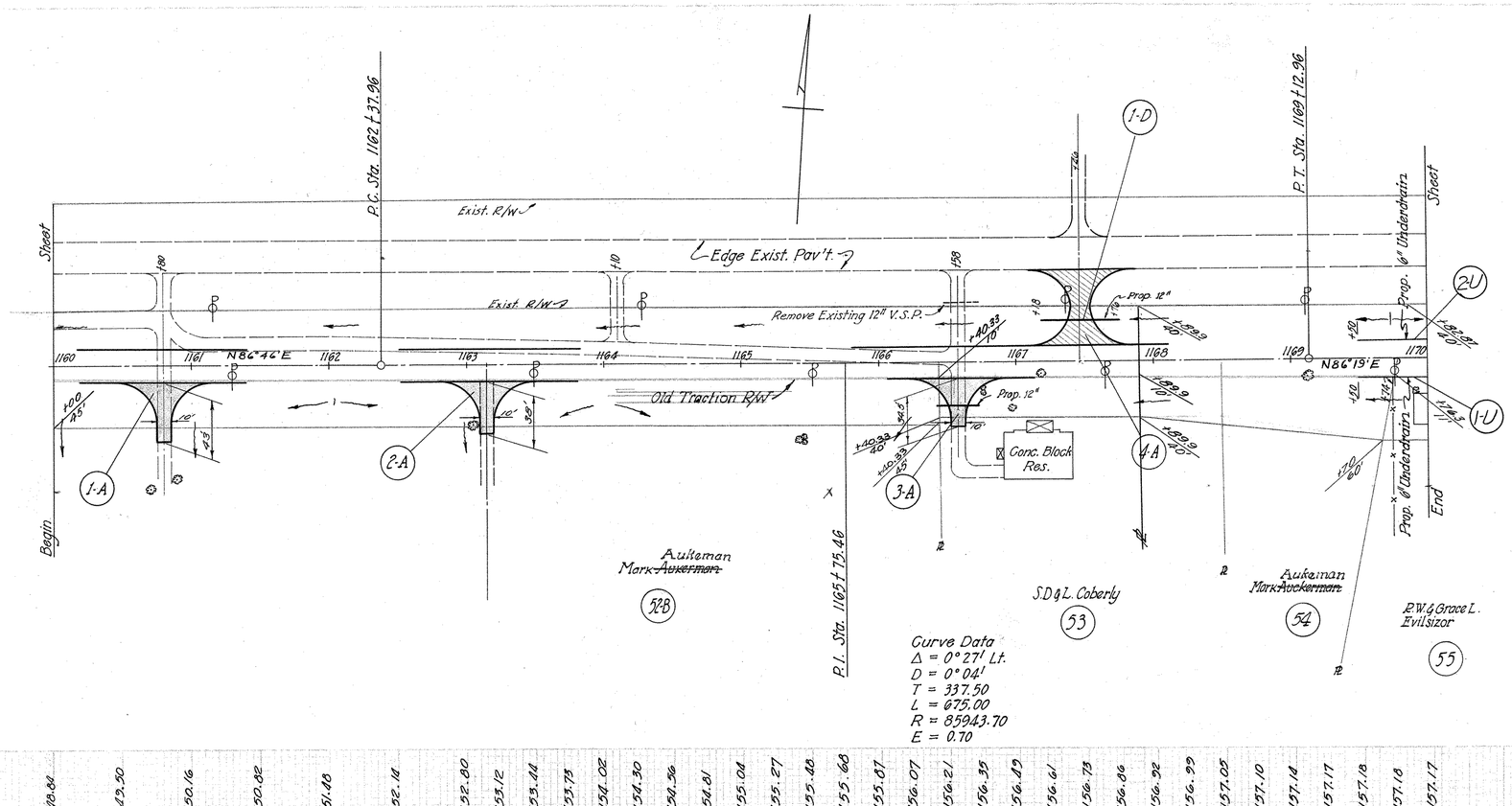
Excavation	707 Cu.Yd.
Embankment	16727 Cu.Yd.
Emb +20 %	20072 Cu.Yd.

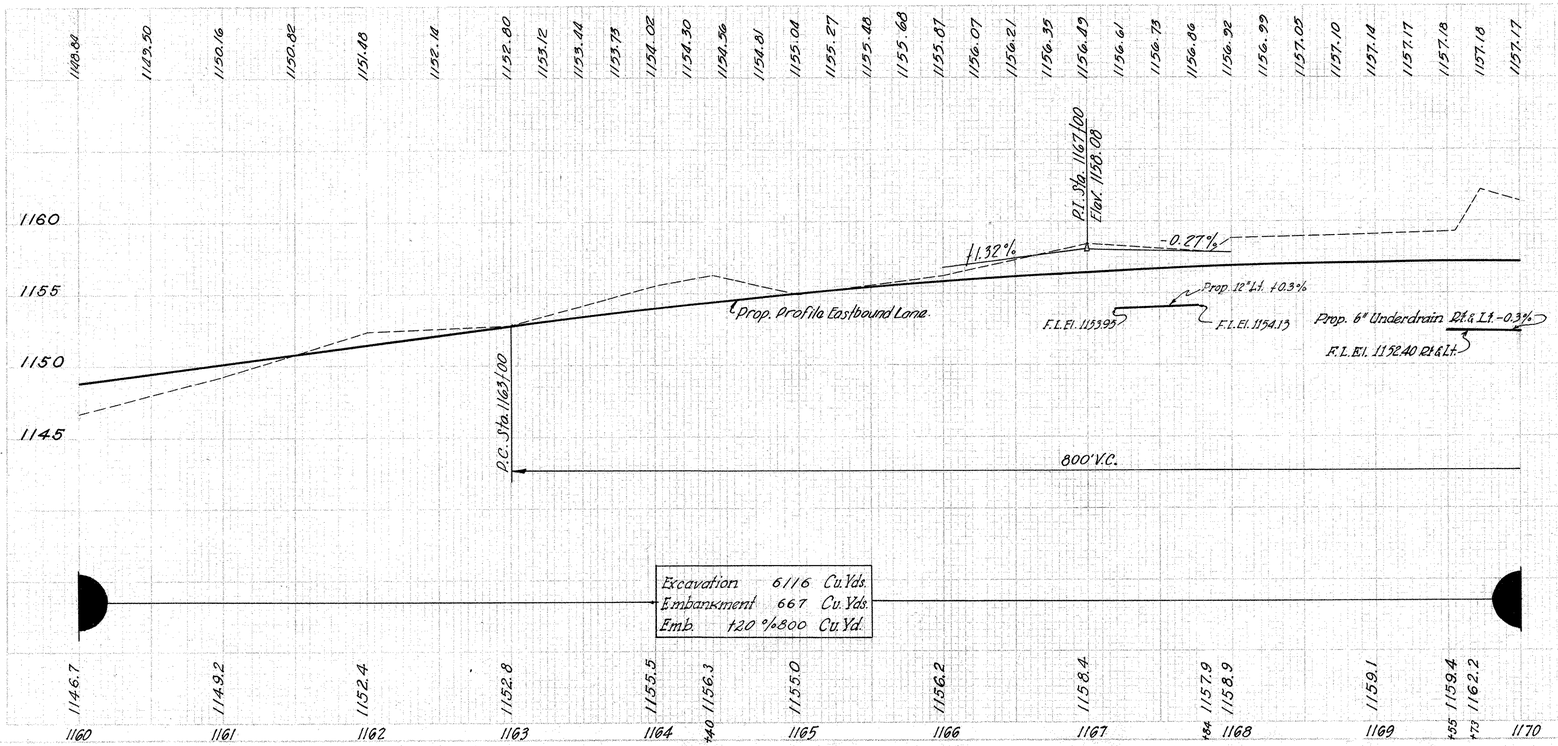
PLAN & PROFILE FROM STA. 1150+00 TO STA. 1160+00

FED. ROAD PROJECT	STATE	PROJECT	TYPE FUND	58
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR	227

CLARK COUNTY
CLA-40-(15.18-23.88)

415



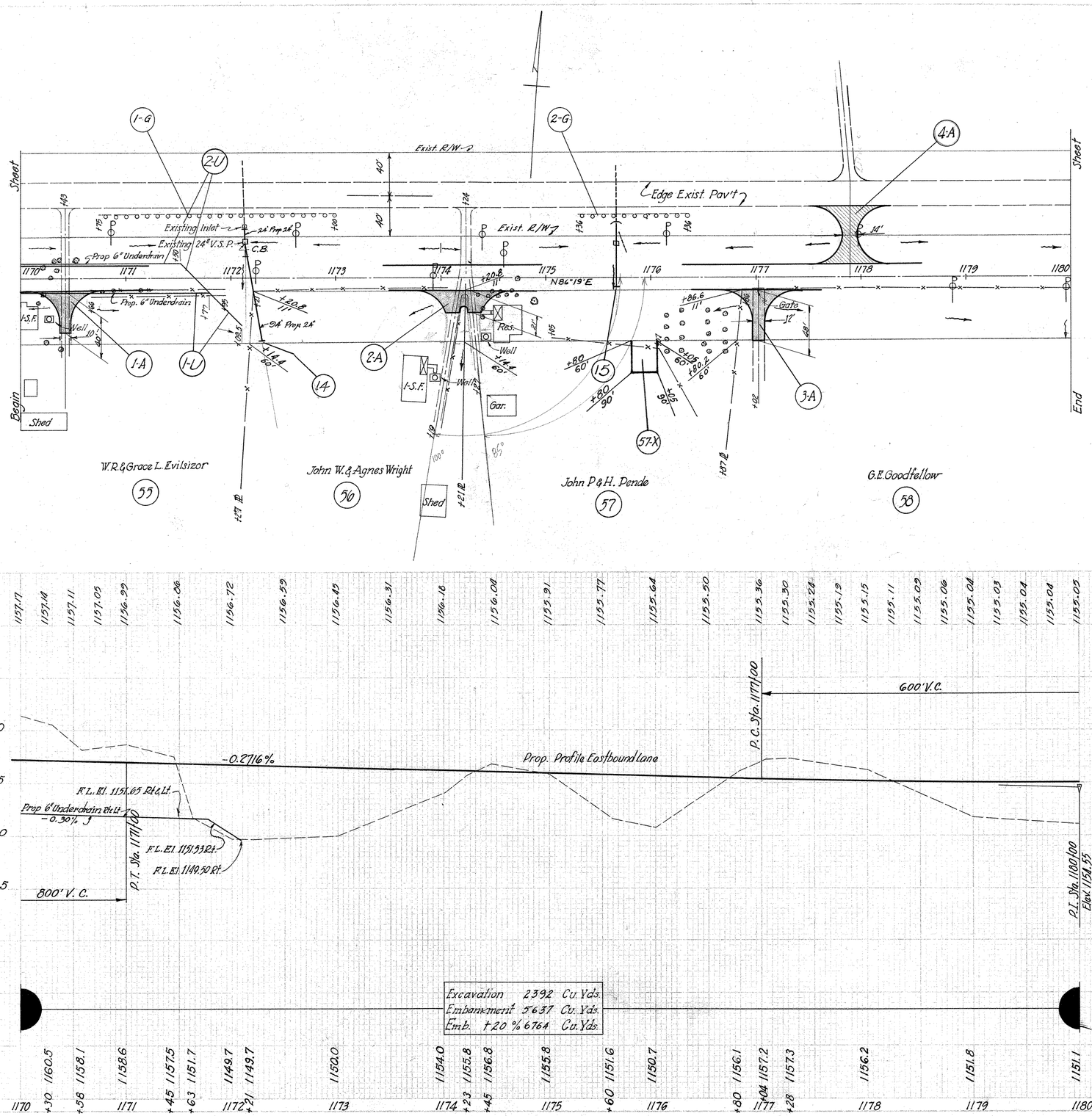


PLAN & PROFILE FROM STA. 1160+00 TO STA. 1170+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-536-7 F0-536-2 F-16-2	POST WAR

59
227

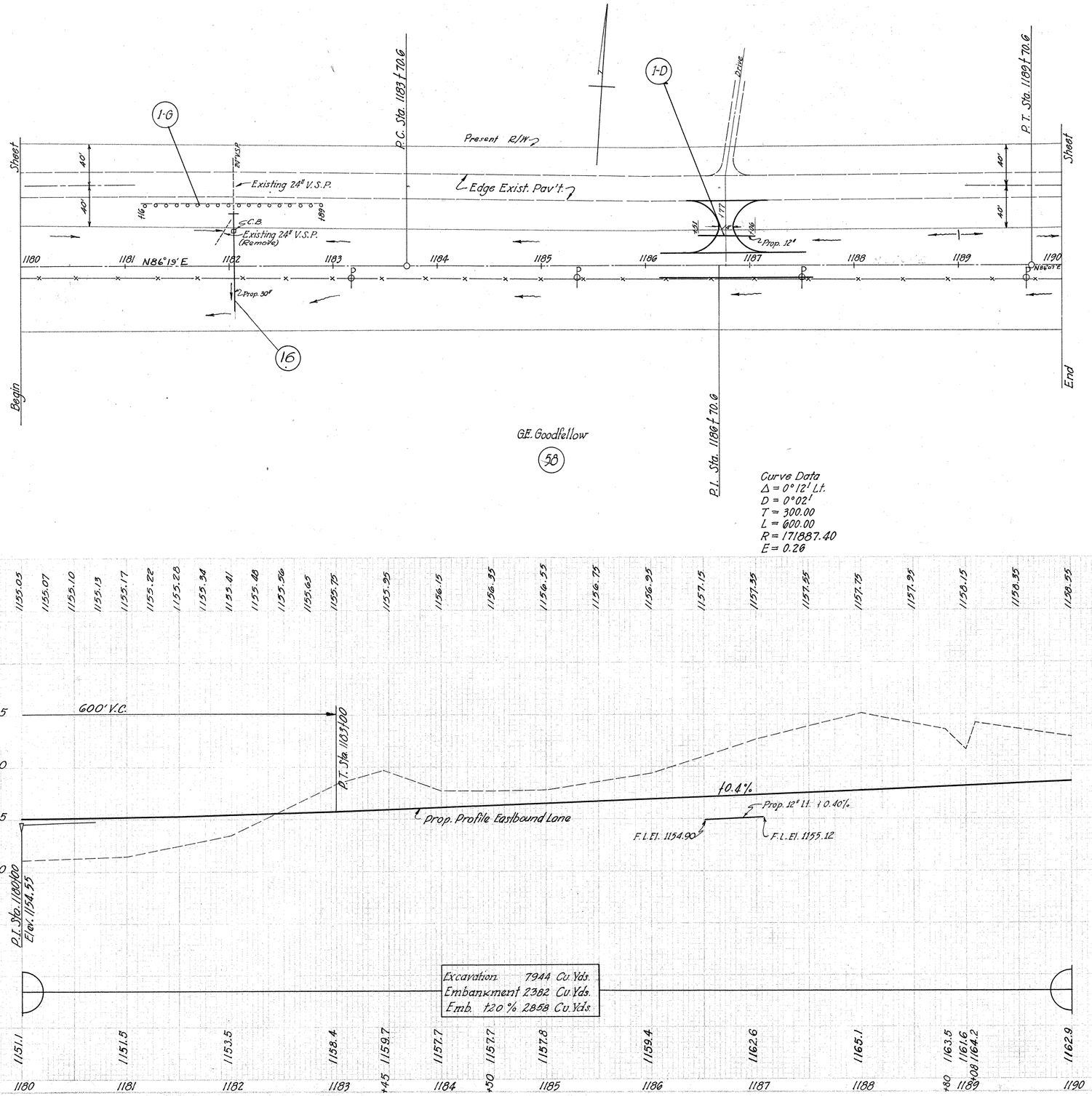
CLARK COUNTY
CLA-40-(15.18-23.88)



PLAN & PROFILE FROM STA. 1170+00 TO STA. 1180+00

FED. AID DIVISION	STATE	PROJECT	TYPE FUND	60
2	OHIO	F-536-7 FG-538-2 F-16-2	POST WAR	227

CLARK COUNTY
CLA-40-(15.18-23.88)



PLAN & PROFILE FROM STA. 1180+00 TO STA. 1190+00

STATE	PROJECT	TYPE FUND
OHIO	FA-336-7 FAP-336-7 F-10-2	POST WAR

61
227

CLARK COUNTY
CLA-40-(15.18-23.88)

HARMONY TWP. TRUSTEES

58-B O. W. Stoll

58-C

58-A G.E. GOODFELLOW

Proposed sectional plate pipe arch 143' on top and 154' on bottom

Proposed 20'×30' Reinf. Concr. open box 4'-9" deep

Gate

Exist. Conc. Headwall

Mail Box

℄ Existing R/W ℄

Exist. R/W ℄

Existing Slab top 10'×9'-5"×43'

Proposed concrete paving in bottom.

℄ Edge Exist. Pav't. ℄

Remove Existing 12" C.M.P.

Remove Existing 15" C.M.P.

Proposed 10'×9'×101' Concr. Box.

1190 1191 1192 1193 1194 N86°07'E 1195 1196 1197 1198 1199 1200

F.L. El. 1157.00

2-Prop. 15"

F.L. El. 1154.30

2-S.B.

Cistern

Wall

Begin

End

Sheet

Sheet

1-A 17 5-G 58-X c.52 Ac. 58 1-G 2-G 18 4-G 2-G 2-A 1-D 3-A 2-D

SEC. 18 T-6 R-9
SEC. 12, T-6, R-9

G.E. GOODFELLOW 58

QUINN & AUDRY SCOTT 59

1130.55 1130.75 1130.95 1131.15 1131.35 1131.55 1131.75 1131.95 1132.15 1132.35 1132.55 1132.75 1132.95 1133.15 1133.35 1133.55 1133.75 1133.95 1134.15 1134.35 1134.55 1134.75 1134.95 1135.15 1135.35 1135.55 1135.75 1135.95 1136.15 1136.35 1136.55

1165
1160
1155
1150
1145

10.4%

Prop. Profile Eastbound Lane

Excavation	3,624	Cu. Yd.
Embankment	11,016	Cu. Yd.
Emb 20 %	13219	Cu. Yd.

1162.9 1164.2 1160.8 1158.7 1158.1 1155.3 1154.7 1145.4 1145.9 1149.4 1148.4 1149.4 1150.3 1150.9 1152.2 1153.7 1153.2 1156.1 1162.8 1162.5 1163.6 1163.1 1161.0 1160.7

1190 +50 1191 +34 +50 +10 +25 +36 +60 1193 1194 1195 +70 1196 +40 1197 1198 +42 +52 1199 +35 +60 1200

Rev. 3-30-51

PLAN & PROFILE FROM STA. 1190+00 TO STA. 1200+00

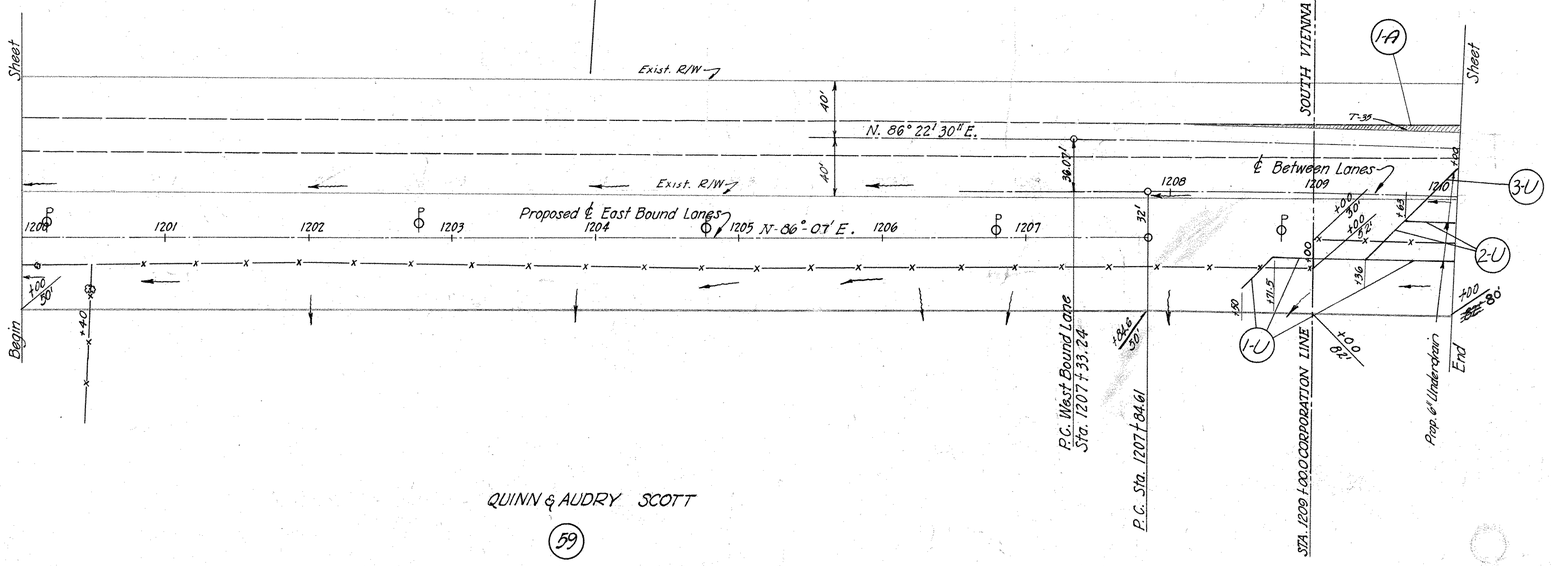
VOL. NO. SUBDIV.	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 F-336-7 F-16-2	POST WAR

62
227

CLARK COUNTY
CLA-40-(13.18-23.88)

Curve Data, Prop. West Bound Lane.
Δ = 5°19'45" Rt.
D = 0°42'34"
T = 375.75
L = 751.17
R = 8073.40
E = 8.74
P.I. Sta. 1211+08.99 West Bound Lane

Curve Data ℄ Between Lanes.
Δ = 11°08'30" Rt.
D = 0°48'
T = 698.56
L = 1392.71
R = 7161.97
E = 33.99
P.I. Sta. 1214+83.17


Sheet
Exist. R/W
40'
N. 86° 22' 30" E.
40'
Exist. R/W
Proposed ℄ East Bound Lanes
1200
1201
1202
1203
1204
1205 N-86°-07' E.
1206
1207
1208
1209
1210
SOUTH VIENNA
Sheet
1-A
3-U
2-U
1-U
℄ Between Lanes
7-39
38.07'
32'
Begin
+00
80'
+40
+84.46
30'
P.C. West Bound Lane
Sta. 1207+33.24
P.C. Sta. 1207+84.61
STA. 1209+00 CORPORATION LINE
Prop. 6" Underdrain
End
+00
80'
+00
+00
+00
+36
+80
111.5
+00
+00
+00

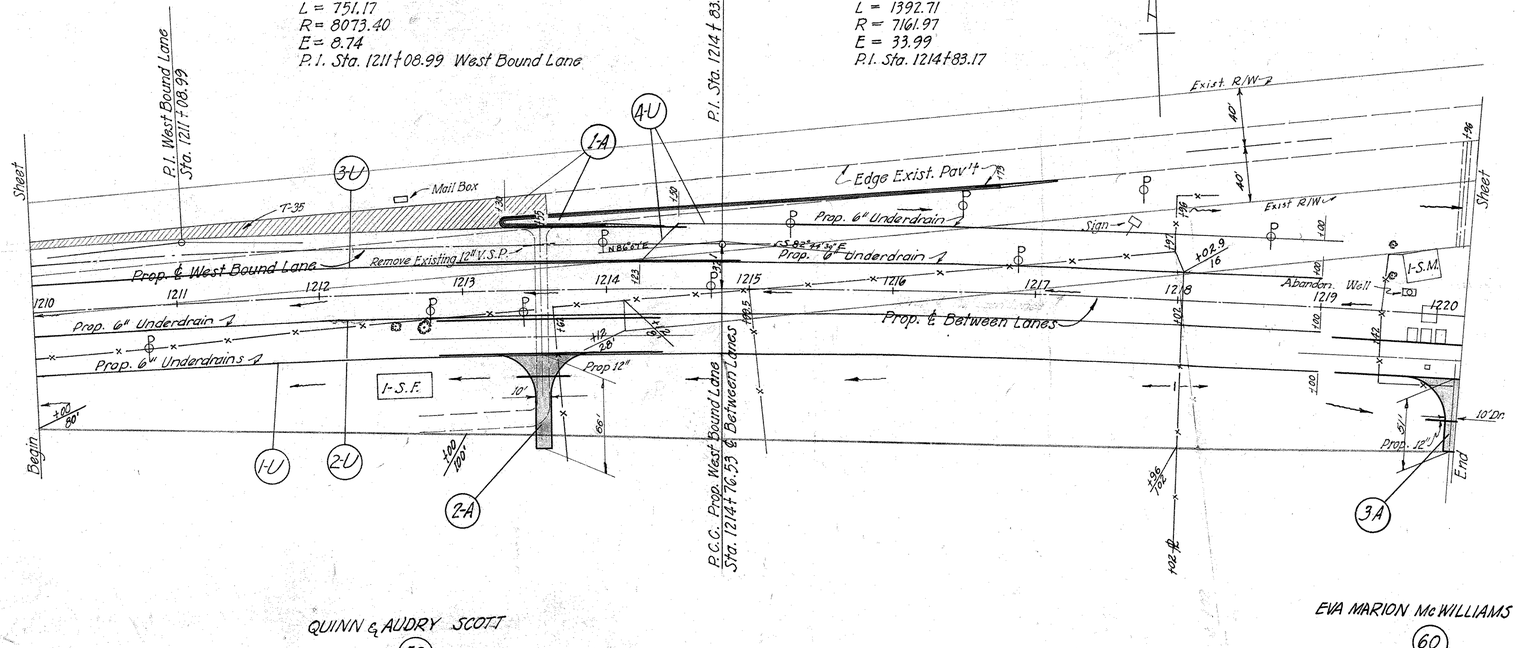
DIST	COUNTY	ROUTE	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

63
227

CLARK COUNTY
CLA-40-(15.18-23.88)

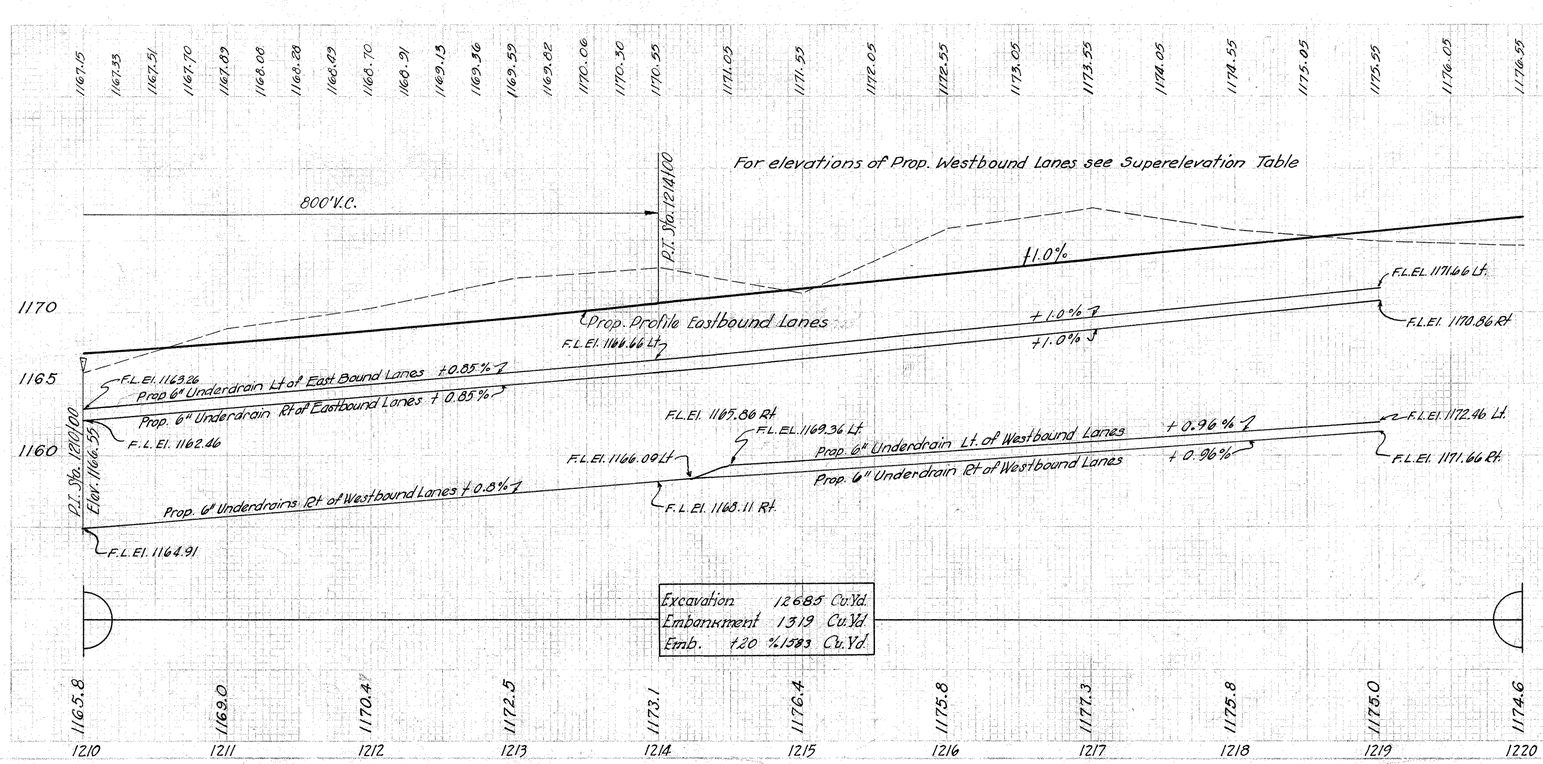
Curve Data, Prop. West Bound Lane
Δ = 5°19'45"
D = 0°42'34"
T = 375.75
L = 751.17
R = 8073.40
E = 8.74
P.I. Sta. 1211+08.99 West Bound Lane

Curve Data, ℄ Between Lanes
Δ = 11°08'30" Rt.
D = 0°48'
T = 698.56
L = 1392.71
R = 7161.97
E = 33.99
P.I. Sta. 1214+83.17



QUINN & AUDRY SCOTT
59

EVA MARION McWILLIAMS
60



PLAN & PROFILE FROM STA. 1210+00 TO STA. 1220+00

DIST.	STATE		TYPE FUND	64
5	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR	2.27

CLARK COUNTY
CLA-40-(15.18-23.88)

Curve Data
Δ = 11°08'30" Rt.
D = 0°48'
T = 698.56
L = 1392.71
R = 7161.97
E = 33.99

EVA MARION McWILLIAMS
60

JOHN M. & CARRIE MILLER
61

Wm. HODGE
62

Agnes Swallow
62A

Existing 12" V.S.P.

1-S.F.

Gar.

Gar. Barn

Abandon 21'LE R/W

Prop. 15"

Exist. R/W

Sheet

Begin Prop 12"

P.T. Sta. 1221+77.32

1223 S. 82° - 44' - 30" E. 1224 ℄ Between Lanes

Gate

Prop. 12"

Prop. 12"

P.C. Sta. 1228+83.42
Begin Acceleration Lane
Δ = 5°-02'-20"
R = 1423.66'
T = 62.615'

P.R.C.

Sheet

Prop. 6" Underdrain

Prop. 6" Underdrain

Prop. 6" Underdrain

Prop. 6" Underdrain

End

Profile shown for Eastbound Lanes only.
For elevations of Westbound Lanes see Superelevation Table

P.I. Sta. 1221+00
El. 1177.55

+1.0%

+0.7%

Prop. Profile East & Westbound Lanes

Prop. 15' Lt. -0.3%

F.L.El. 1172.79 Lt.

F.L.El. 1172.57 Lt.

200 V.C.

Prop. 6" Underdrain Rt. & Lt. of Eastbound Lanes +0.7%

F.L.El. 1176.42 Rt.

F.L.El. 1176.78 Rt. & Lt.

F.L.El. 1179.16 Rt. & Lt.

Prop. 6" Underdrain Rt. & Lt. of Westbound Lanes +0.7%

F.L.El. 1177.04 Rt.

F.L.El. 1177.23 Lt.

F.L.El. 1179.16 Rt. & Lt.

Excavation	6082 Cu. Yds.
Embankment	7760 Cu. Yds.
Emb. +20 %	9312 Cu. Yds.

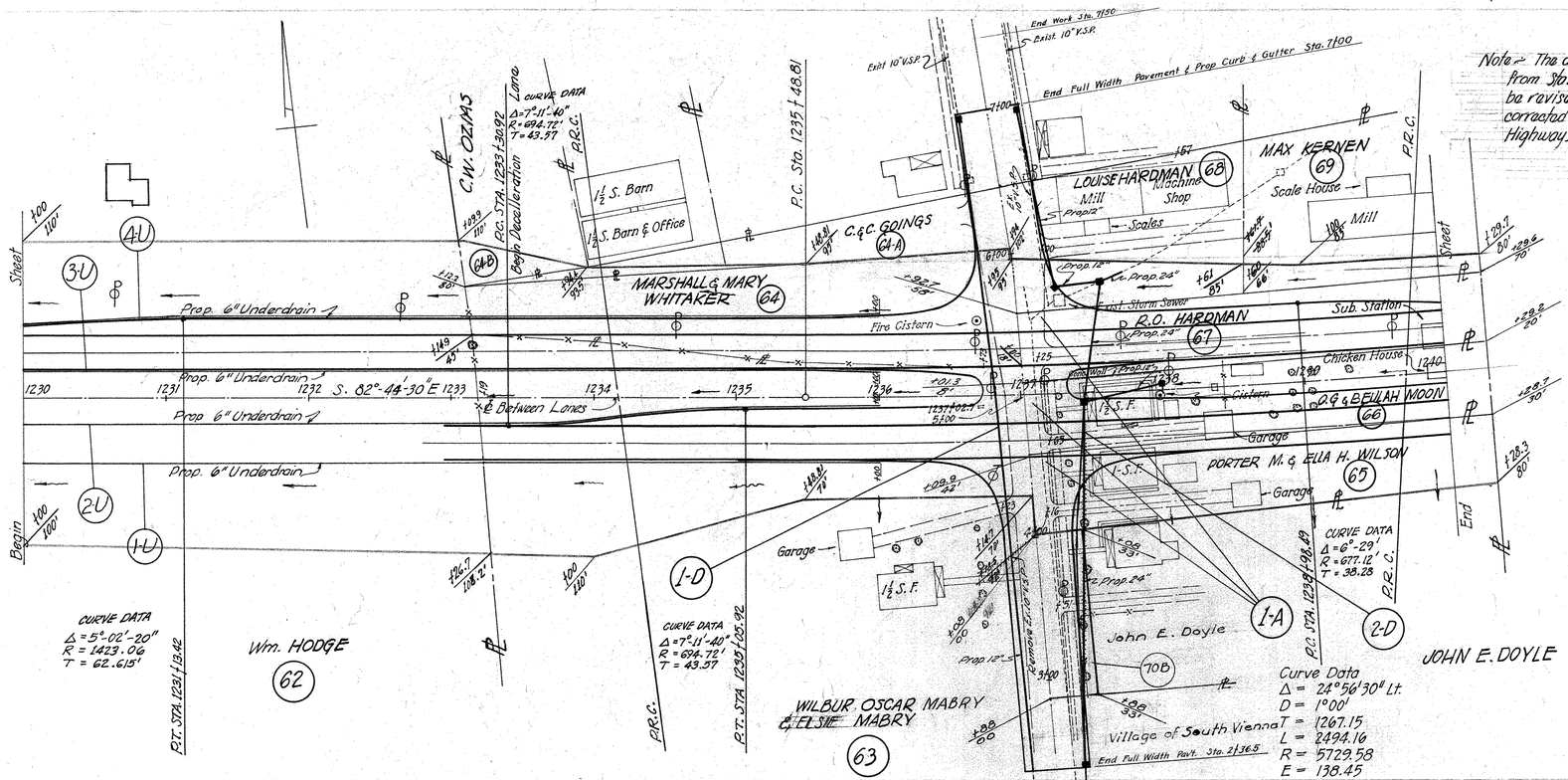
PLAN & PROFILE FROM STA. 1220+00 TO STA. 1230+00

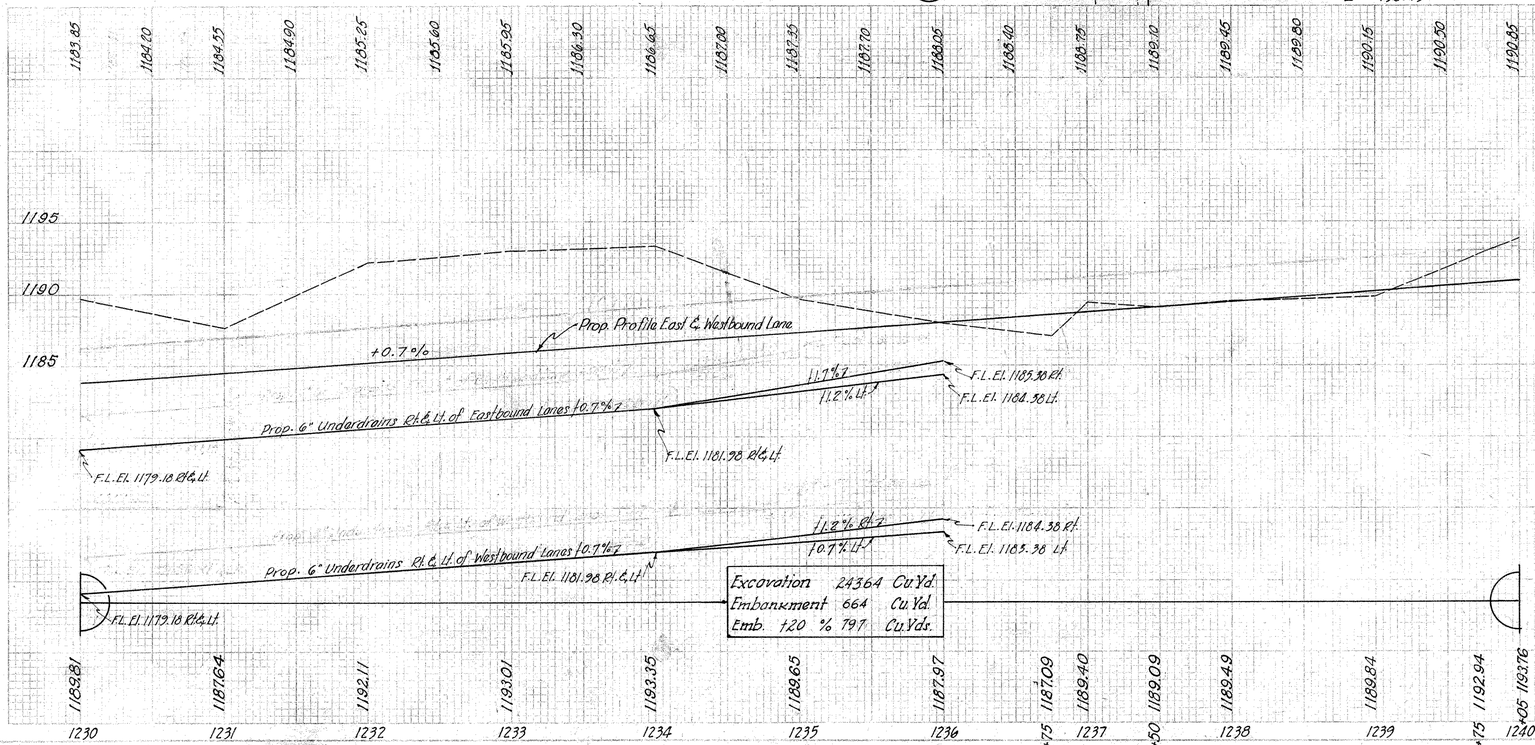
FED. RD. PROJECT NO.	STATE	PROJECT	TYPE FUND
2	OHIO	F-536-7 FG-536-7 F-16-2	POST WAR

65
227

CLARK COUNTY
CLA-40-(15.18-23.88)

Note:- The details of the accelaration and deceleration lanes shown from Sta. 1228+63.42 to Sta. 1245+37.85 are tentative and will be revised at the time of construction to agree with corrected layout to be furnished by the Department of Highways and quantities will be revised accordingly.



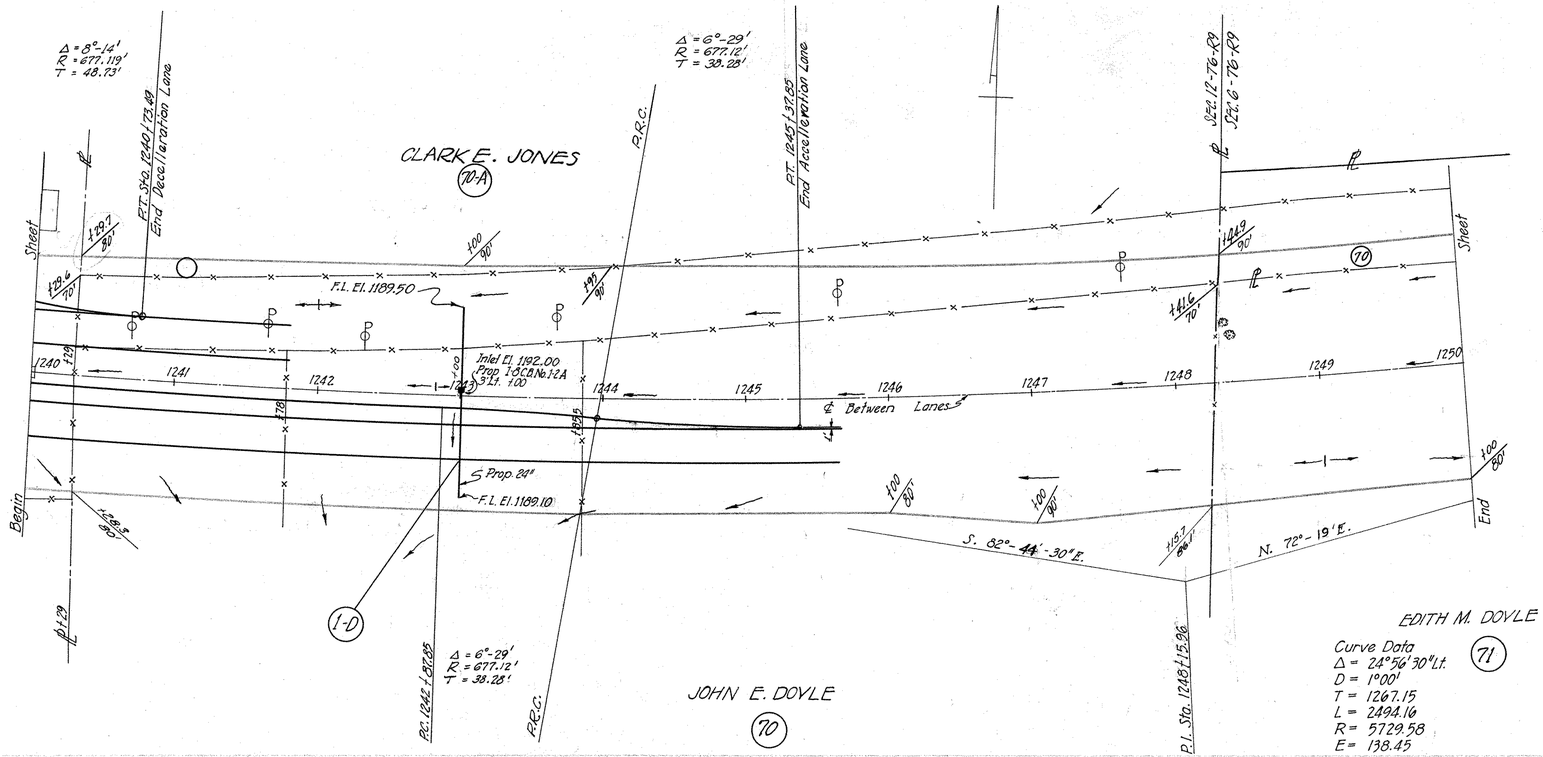


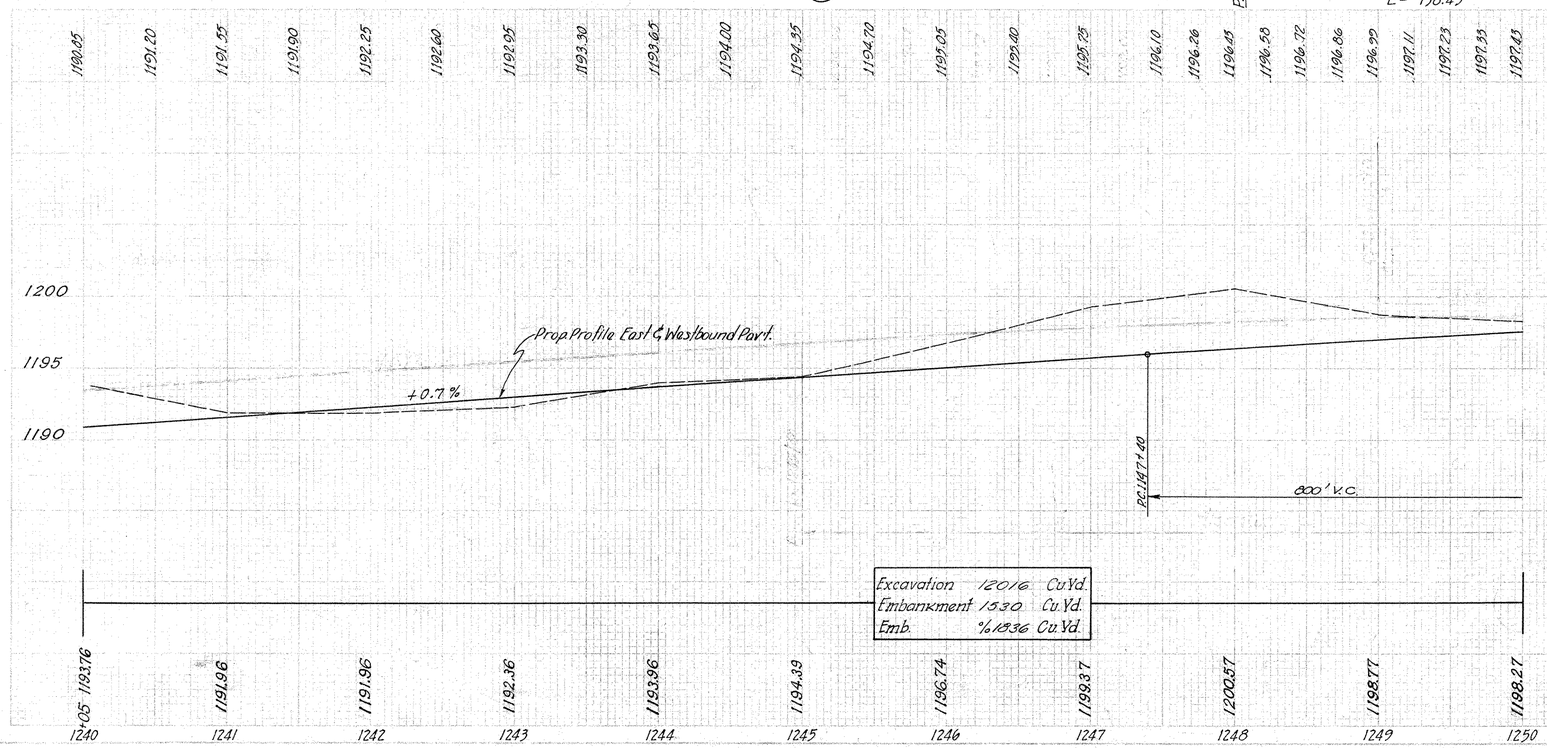
PLAN & PROFILE FROM STA. 1230+00 TO STA. 1240+00

SHEET NO.	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 PB336-7 F-1E-2	POST WAR

66
227

CLARK COUNTY
CLA-40-(15.18 -23.38)



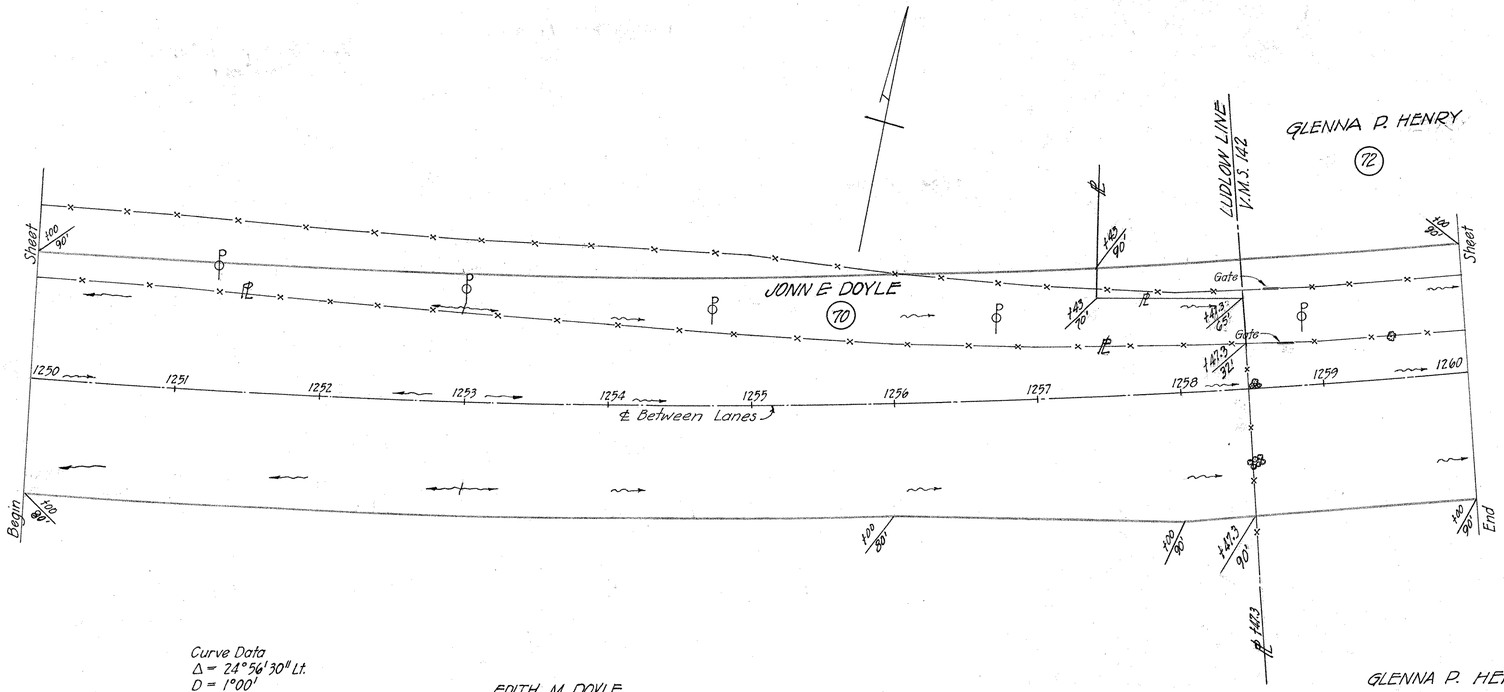


PLAN & PROFILE FROM STA. 1240+00 TO STA. 1250+00

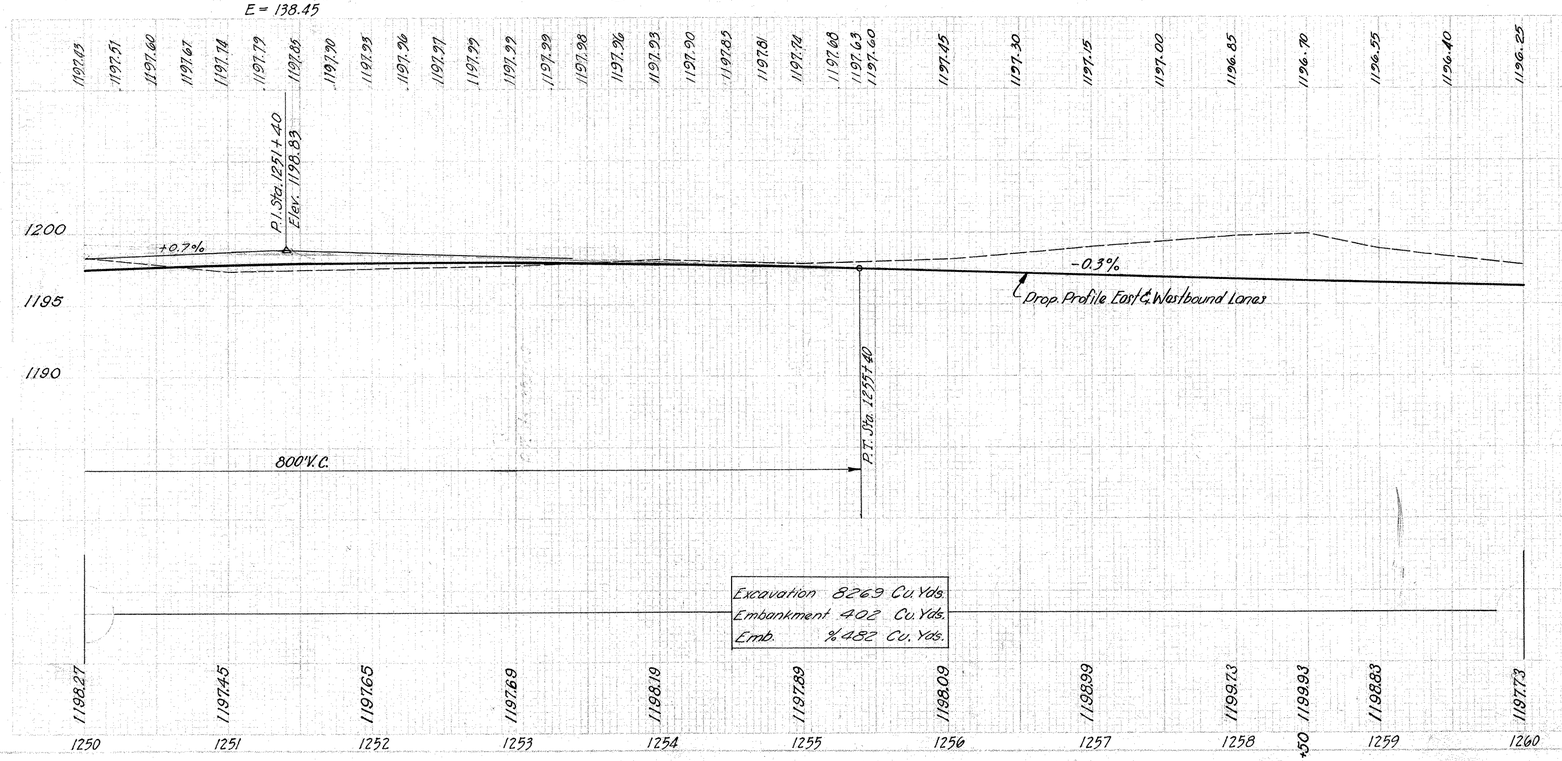
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 RG-556-7 F-16-2	POST WAR

67
227

CLARK COUNTY
CLA-40-(15.18 - 23.38)



Curve Data
Δ = 24°56'30" Lt.
D = 1°00'
T = 1267.15
L = 2494.16
R = 5729.58
E = 138.45



PLAN & PROFILE FROM STA. 1250+00 TO STA. 1260+00

SEC. NO. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

68
227

CLARK COUNTY
CLA-40-(15.18~23.88)

CLARK S. & MARY J. MOREHART
73

Wallace E. & Margaret Striner
72-A

James O. Dillard
75

GLENNA R. HENRY
72

CLIFFORD W. DILLARD
74

Curve Data
Δ = 13°46' Rt.
D = 0°48'
T = 864.60
L = 1720.83
R = 7161.97
E = 51.99

Curve Data
Δ = 24°56'30" Lt.
D = 1°00'
T = 1267.15
L = 2494.16
R = 5729.58
E = 138.45

P.T. Sta. 1260+42.97
Begin
Sheet
End
CORP. LINE VIENNA
P.C. Sta. 1265+65.94
F.L. El. 1190.45 Place in Exist. Side Ditch
Prop. 15"
5' F.L. El. 1190.3
Exist. R/W-2
F.L. El. 1192.50
Prop. 18"
F.L. El. 1192.32
F.L. El. 1192.29
F.L. El. 1192.10
N. 72°-19' E
℄ Datsari Lanes
F.L. El. 1192.00
Prop. 15"
5' F.L. El. 1190.50
1-D
2-D
3-D
4-D
1-A
2-A
S.
1-S.

Type #2 Std. Conc. Curb & Gutter
Edge of Pav'mt.
℄ of Pav'mt.

1200
1195
1190
-0.3%
Prop. Profile East ℄ Westbound lane

Excavation 1,693 Cu. Yds.
Embankment 665 Cu. Yds.
Emb. f 20% 798 Cu. Yds.

Excavation 2,868 Cu. Yds.
Embankment 2,855 Cu. Yds.
Emb. f 20% 3,426 Cu. Yds.

PLAN & PROFILE FROM STA. 1260+00 TO STA. 1270+00

FED. ROAD	STATE	PROJECT	TYPE FUND
2	OHIO	FAS-656-7 FAS-656-7 F-7(6)-2	POST WAR

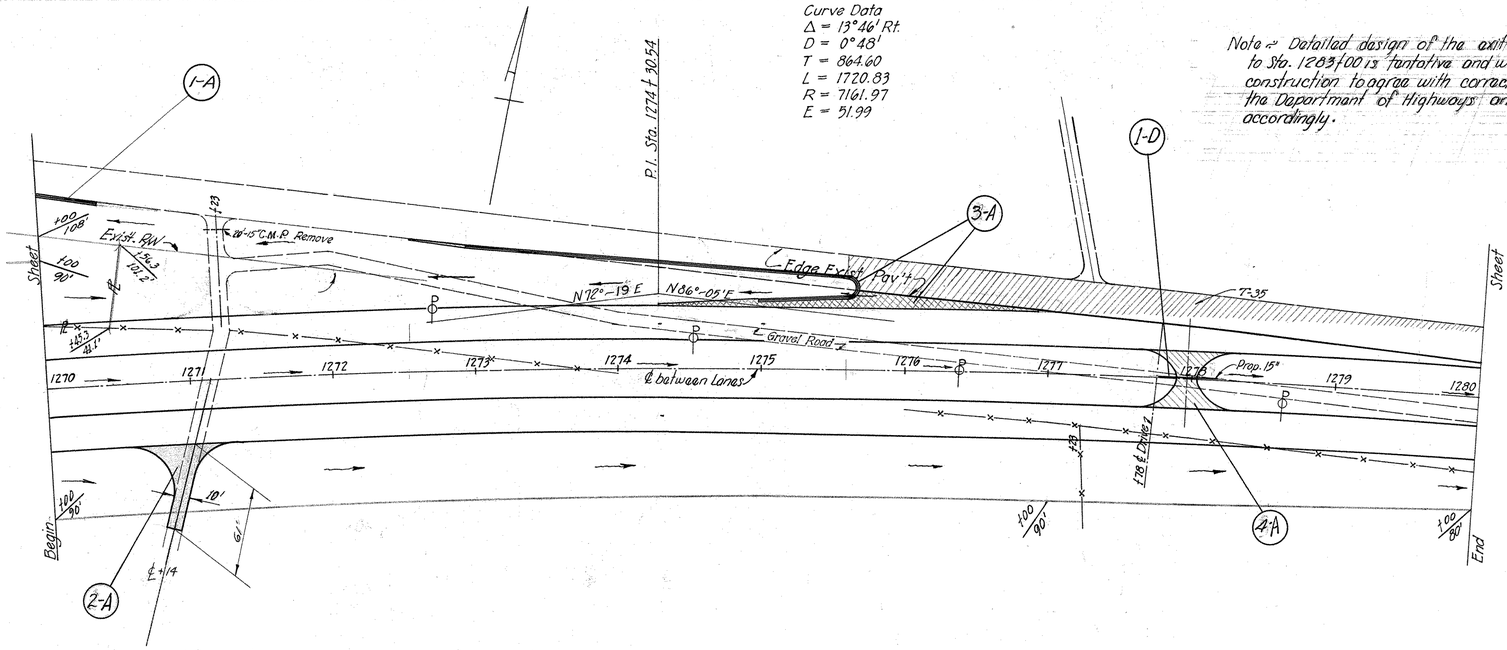
69
227

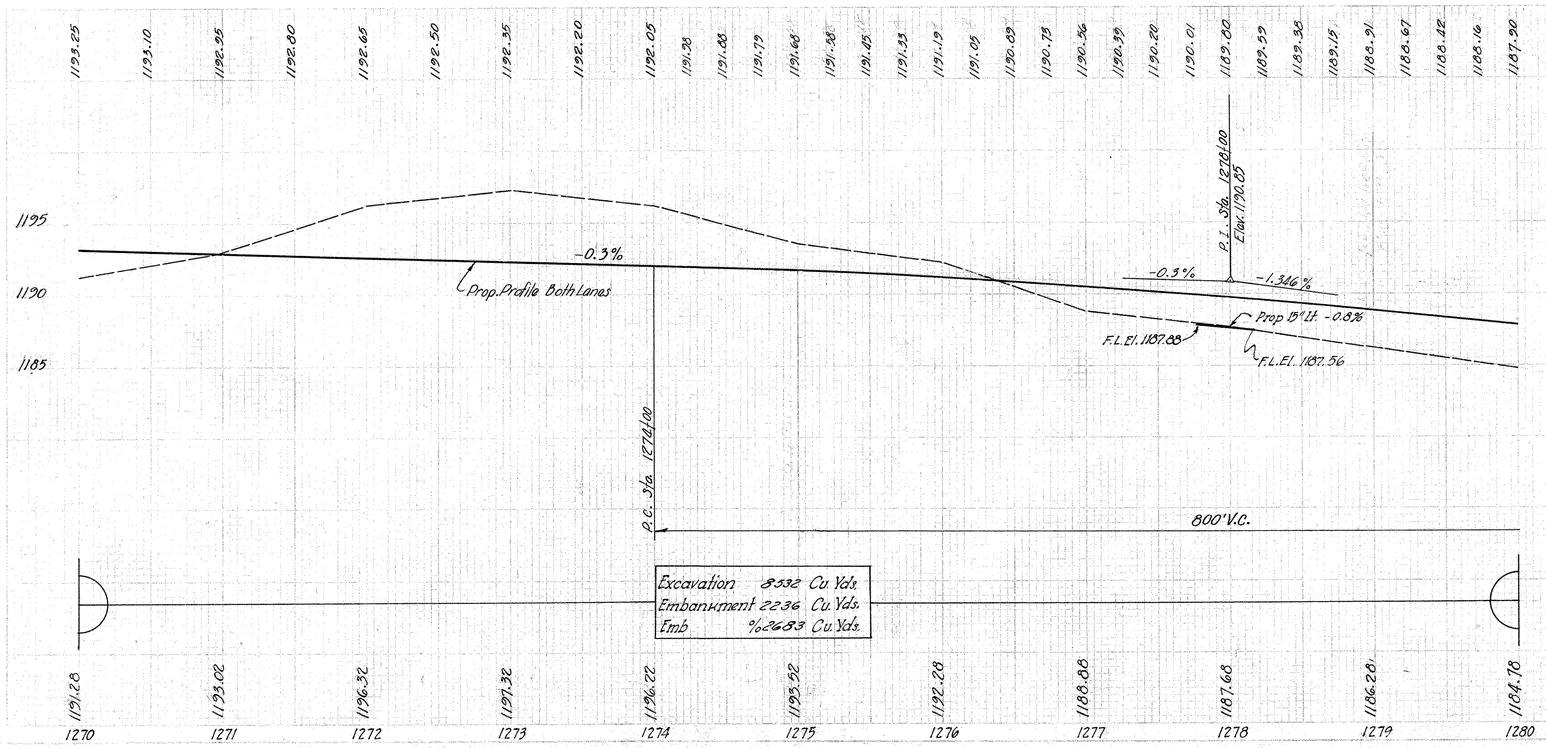
CLARK COUNTY
CLK-40-(15.18-23.88)

Curve Data
Δ = 13°46' Rt.
D = 0°48'
T = 864.60
L = 1720.83
R = 7161.97
E = 51.99

P.I. Sta. 1274+30.54

Note - Detailed design of the exit facility left of Sta. 1272+50 to Sta. 1283+00 is tentative and will be revised at the time of construction to agree with corrected layout to be furnished by the Department of Highways and quantities will be revised accordingly.





CLIFFORD W. DILLARD

74

PLAN & PROFILE FROM STA. 1270+00 TO STA. 1280+00

				TYPE FUND	70
2	OHIO	F-356-7 FS-356-7 F-16-E		POST WAR	227

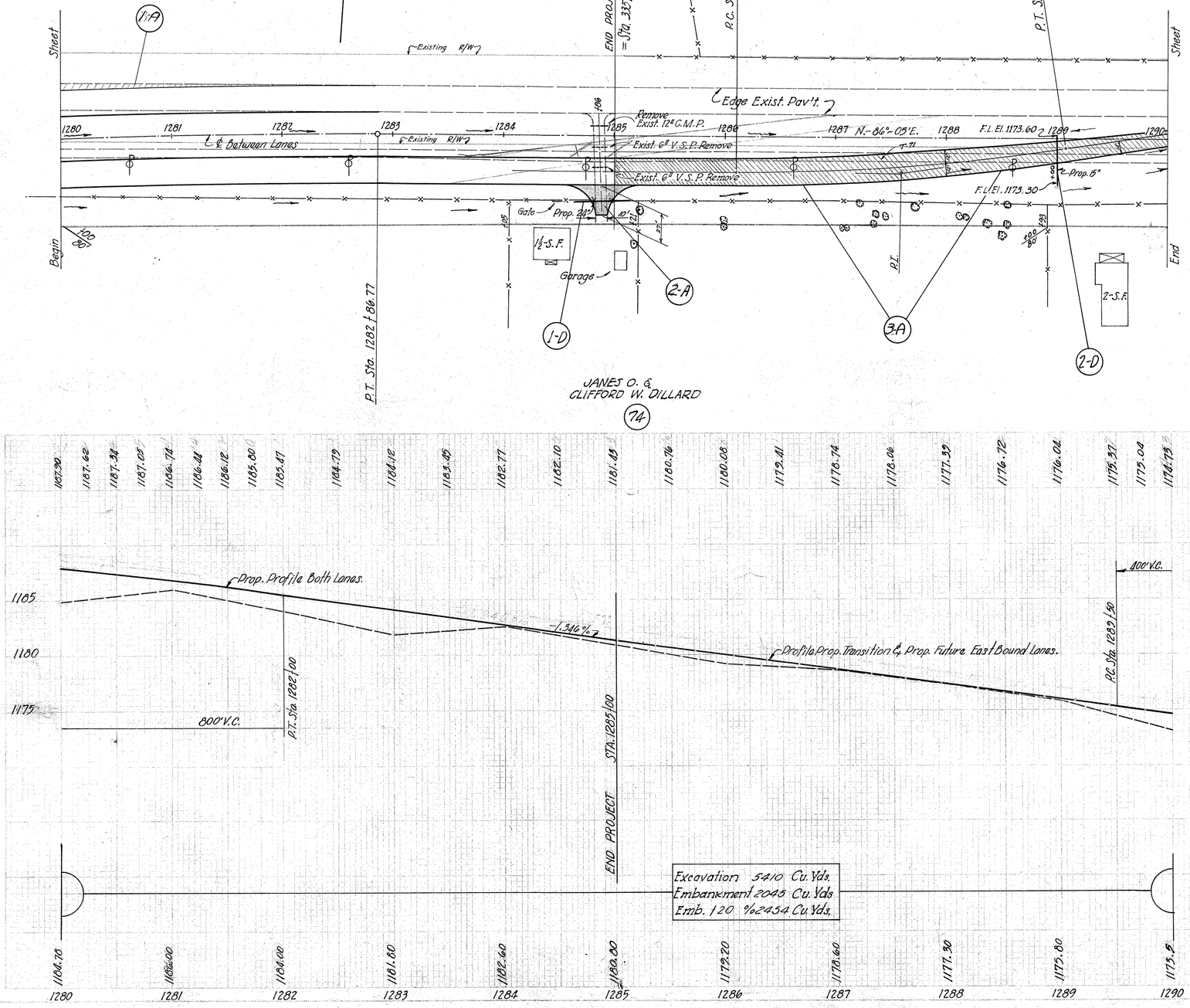
CLARK COUNTY
CLA-40-(15.18 - 23.88)

Curve Data
Δ = 13°46' Rt.
D = 0°48'
T = 864.60
L = 1720.83
R = 7161.97
E = 51.99

F-16-2

Marker will be furnished & erected on the left by the State before acceptance of this improvement.

℄ Prop. Transition
Δ = 9°-00' Lt.
D = 3°-00'
T = 150.31'
E = 5.21'
L = 300'

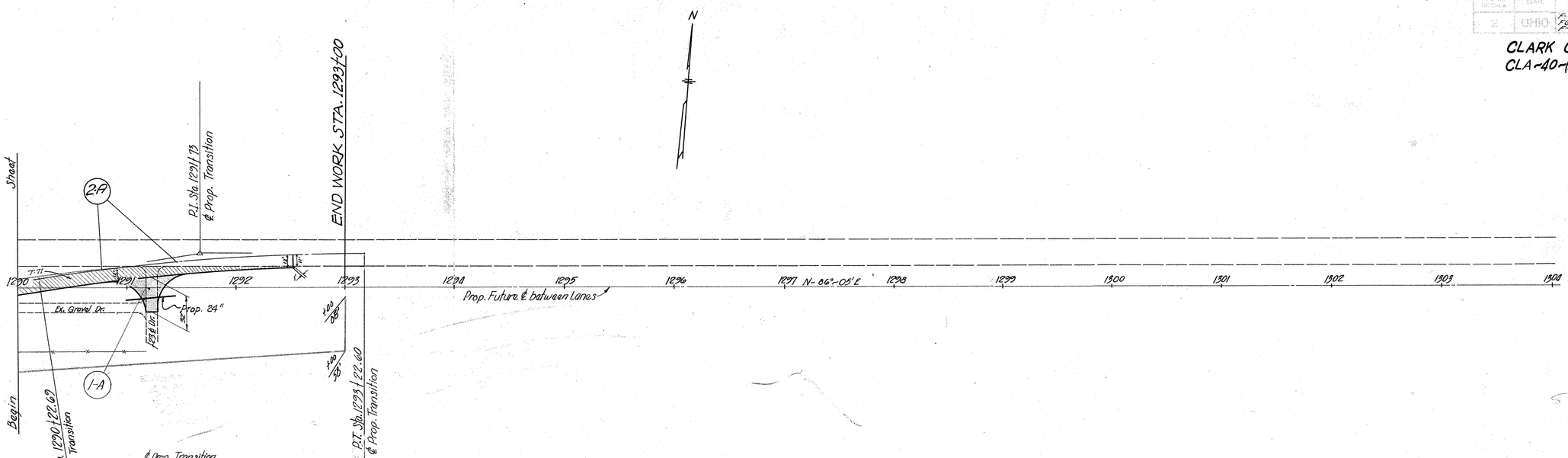


PLAN & PROFILE FROM STA. 1280+00 TO STA. 1290+00

FED. ROAD SECTION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-336-7 FB-336-7 F-16-2	POST WAR

71
227

CLARK COUNTY
CLA-40-(15.18 - 23.88)



℄ Prop. Transition
Δ = 3°-00' Rt.
D = 3°-00'
T = 150.31'
E = 5.21'
L = 300'

JAMES O. &
CLIFFORD W. DILLARD

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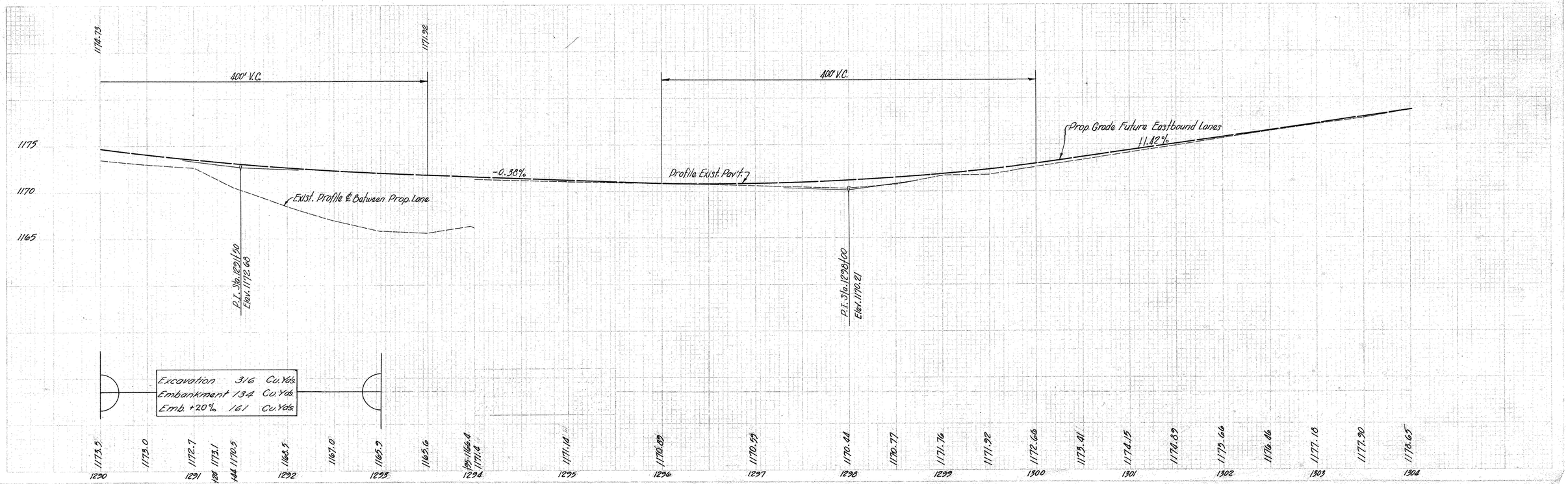
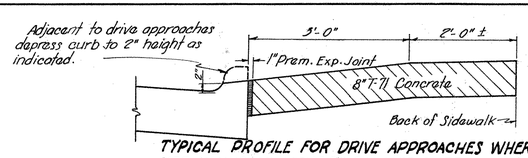


PLAN & PROFILE FROM STA. 1290+00 TO STA. 1304

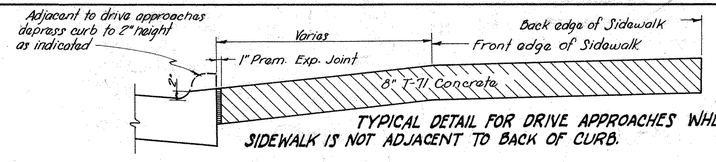
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

72
227

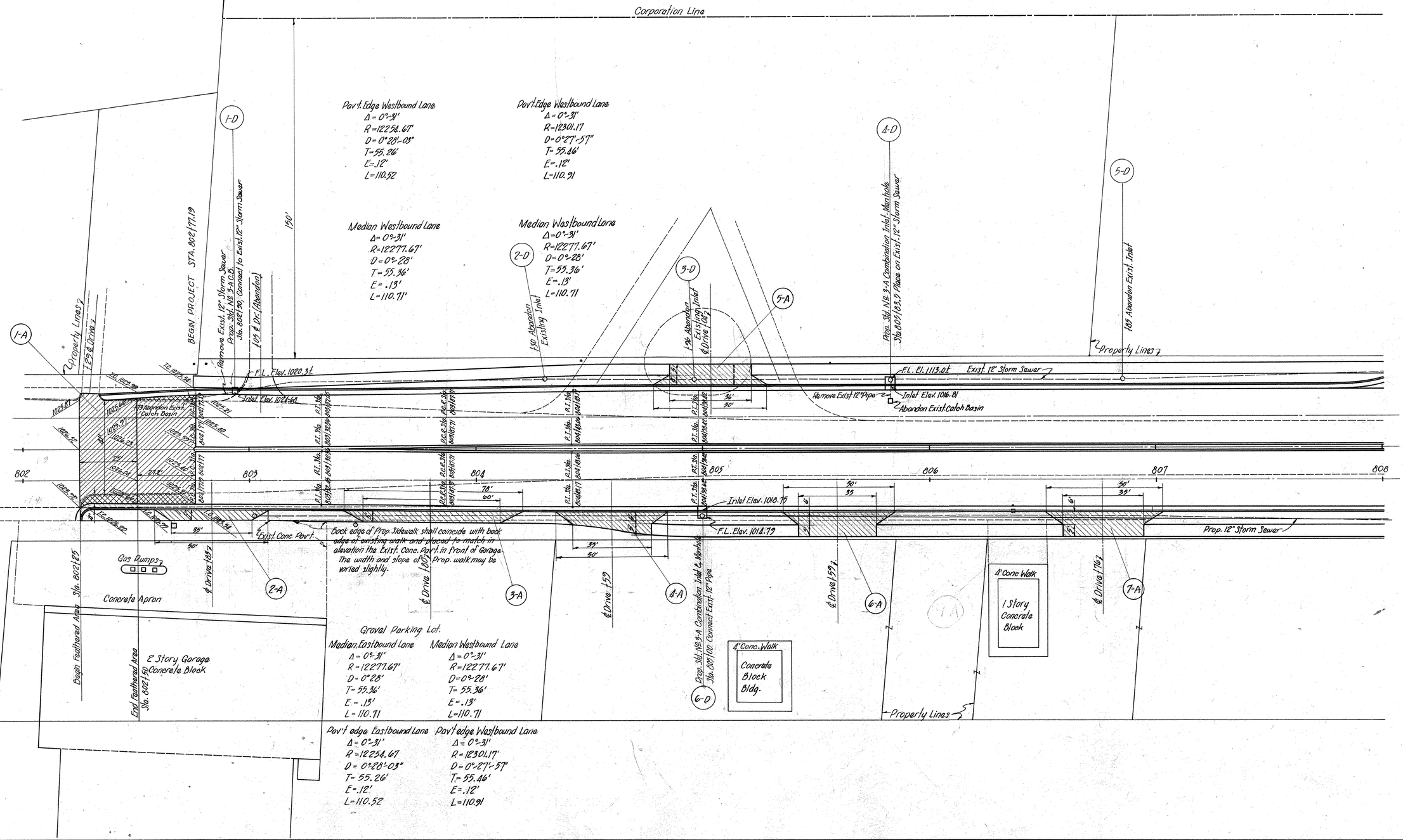
CLARK COUNTY
CLA. 40-(15.18 -23.88)



TYPICAL PROFILE FOR DRIVE APPROACHES WHERE SIDEWALK IS ADJACENT TO BACK OF CURB



TYPICAL DETAIL FOR DRIVE APPROACHES WHERE SIDEWALK IS NOT ADJACENT TO BACK OF CURB.



FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

73
227

CLARK COUNTY
CLA. 40-(15.18 - 23.88)

Corporation Line
Datum Line Elev. 1017.56
℄ Prop. Westbound Lanes
℄ Prop. Eastbound Lanes
Inlet Elev. 1117.01
Std. I-8 C.B. No. 3-A
F.L. Elev. 1113.50
Prop. 12" Pipe Storm Sewer
F.L. El. 1112.00
Elev. 1014.45
Abandon Exist. Inlet
Remove 2' of 12" Pipe S.S.
Std. I-8 C.B. No. 3-A
Place bottom of Prop. C.B. on F.L. Exist. 12" Pipe Storm Sewer Elev. 1004.1±
F.L. Exist. 24" Elev. 1001.1±

SECTION STA. 811+50
Scale 1"=5'

Curve Data
Δ = 1°-46'
R = 12277'
D = 0°-28'
T = 189.29'
C = 378.53'
E = 1.46'
L = 378.55'

Prop. Std. I-8 C.B. No. 3-A Sta. 811+50
P.C. Sta. 810+00 Westbound Lane
P.I. Sta. 811+89.29 Westbound Lane
P.I. Sta. 812+20.92 Eastbound Lane
P.T. Sta. 813+78.55 Westbound Lane

7-D
8-D
9-D
1-D
1-A
8-A
Prop. 15" C.S. Sta. 808+22
Property Lines
Remove Exist. C.B. and replace with Std. I-8 M.H. No. Sta. 808+87
144.72 ℄ Street
16¢ Reset Exist. M.H. Casting to Prop. Pavement
Exist. M.H.
Prop. Std. I-8 C.B. No. 3-A Sta. 808+89
Exist. 63" Segment Block Sewer
Inlet El. 1015.44
Prop. 12" S.S.
F.L. El. 1009.24
F.L. El. 1008.47
Exist. 12" S.S.
F.L. Elev. 1009.86
Prop. 12" S.S.
Inlet Elev. 1015.36
Exist. M.H Sta. 808+92 Reset Casting to meet Prop. Pavement. Connect Prop. 12" Storm Sewer
Exist. 30" Segment Block Sewer
Prop. 12" Pipe Storm Sewer
Exist. 6'6" x 32" Semicircular Culvert
Exist. 42" C.I. Sewer
Inlet Elev. 1017.01
10'
22'
10'
10'
10'
10'
112.09
126.10
808
809
810
811
812
813
814
Inlet El. 1015.73
F.L. El. 1006.91
Ex. 8" S.S.
Prop. 12" S. Sewer
Exist. 15" with Porous Backfill
F.L. Elev. 1002.00
180' Remove Exist. C.B.
Prop. Std. I-8 C.B. No. 3-A Sta. 808+88
Connect To Exist. 10" S. Sewer Casting & 18" Pipe S.S.
Property Lines
6-D
24.96 ℄ Fontoria Ave. 2
Inlet El. 1015.83
F.L. El. 1002.33
Exist. Inlet Abandon
180'
Prop. Std. I-8 C.B. No. 3-A Sta. 809+58 12" Storm Sewer using 6'0" 12" Pipe S.S. and 45° Ell.
10-D
Property Lines
P.C. Sta. 810+00 Eastbound Lane
Exist. 24" V.S.P. Sewer
Exist. 24" V.S.P. Sewer
Connect to Exist 12" Pipe
Prop. Std. I-8 C.B. No. 3-A Inlet Elev. 1017.01
Abandon Exist. Inlet
Prop. Std. I-8 C.B. No. 3-A Sta. 811+50 Connect to Exist. 12" S.S. F.L. Elev. Connect Prop. 12" S.S. F.L. Elev.

Curve Data
Δ = 2°-04'
R = 12249'
D = 0°-28.4'
T = 220.92'
C = 441.79'
E = 1.99
L = 441.82

Plan & Profile Sheet #1
Plan & Profile Sheet #2

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-356-7 FG-036-7 F-16-8	POST WAR

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CLARK COUNTY
CLA. 40-(15.18-23.88)

Curve Data
Δ = 1°-46'
R = 122.77'
D = 0°28'
T = 189.29'
C = 378.53'
E = 1.46'
L = 378.55

Property Line
Exist 6" C.I.P.
P.C. Sta. 808+54.06
Abandon Exist. C.B.
C.T.&I. R.R.
R.R.R. Sta. 808+79.40
Corporation Line
Exist 6" C.I. Pipe
Warp Curb to meet existing Bridge Curb
Abandon Exist. C.B.
Prop. 5' Conc. Sidewalk
Prop. Std. I-8 C.B. No. 3-A
Prop. 12" S.S.
F.L. El. 1004.50
F.L. El. 1013.50
P.T. Sta. 818+37.61
Begin Feathered Area Sta. 813+00
End Feathered Area Sta. 819+25
Inlet El. 1018.30
End Paved Median
Abandon Ex. C.B.
Remove Ex. 6" V.S.P.
Remove Ex. 8" V.S.P.
Prop. Conc. Collar
Exist. 18" V.S.P. to Remain
Abandon Exist. C.B.
Prop. Std. I-8 C.B. No. 14-A
Inlet El. 1117.46
Inlet El. 1117.55
Exist 18" Conc. Pipe
Prop. 12" Pipe S.S.
Exist. 18" V.S.P.
Abandon Exist C.B.
Prop. Std. I-8 C.B. No. 14-A
Inlet El. 1018.04
P.I. Sta. 816+48.39
133.5 Abandon Exist. Inlet
Outlet Exist. 18" Pipe around Prop. Bridge Pier existing
12" & 8" Pipe Outlet for Roadway Drainage, Tee 6"x 6"x 12" Lines and 0.2 Cu. Yds. Concrete Collar for connecting Exist. 18" Pipe to Prop. 8" Pipe
City of Spring Field
Prop. Special Curb & Gutter Type "A"
50'± of Special Paved Gutter Type "A"
132.17
P.C. & N. Line 2
P.T. Sta. 814+41.82
Datum El. 1020.00?
℄ Prop. Eastbound Lanes
℄ Prop. Westbound Lanes
Bridge Limit Sta. 815+23.34
Sta. 815+59.17
12'-0"
Edge Prop. Pavt.
3' 3' 3' 3' 3' 3' 3' 3' 3' 3' 3'
0.04' 0.16' 0.37' 0.66' 1.02' 1.42' 2.01' 2.63' 3.33' 5.14' 0'
R=3.46'
2'-8"
3'-4"
18"
Berm Line
27'-0"
33'-0"
2'-8" to 7'-4" Variable
8"
6"
1½"
Slope 1" per Ft.
Class "C" Concrete
3"± Variable
Special Paved Gutter Type "A"
50'-0"
2'-0"
Slope 4:1
Note: Cost of Cut off wall included in Unit Price Bid per Lin. Ft. for Special Paved Gutter Type "A" for payment
6"
1'-8"
1'-0"
PARTIAL SECTION A-A
CUT OFF WALL
Scale: 1"=2'-0"
Rad. 7½"
6"
3"
3'-0"
SECTION B-B
Scale 1"=2'-0"
SECTION C-C
Scale 1"=2'-0"
SECTION A-A
Scale 1"=5'
DETAILS OF SPECIAL PAVED GUTTER TYPE "A" & SPECIAL CURB & GUTTER

Datum El. 1020.00?
℄ Prop. Westbound Lanes
El. 1117.46
Elev. 1117.55
Elev. 1018.04
Prop. Std. I-8 C.B. No. 14-A Mod.*
Prop. Std. I-8 C.B. No. 3-A
Prop. 12" Pipe S.S.
F.L. El. 1014.00
F.L. El. 1013.50
Abandon Exist. C.B.
Remove Exist. 18" Pipe
Exist 18" Conc. Pipe
Exist. 18" Conc. Pipe
F.L. Elev. 1006.9±
Connect existing 12" Pipe
SECTION ON ℄ EXISTING 18" PIPE LEFT STA. 819+69
Scale 1"=5'

Datum Elev. 1020.00?
Inlet El. 1018.30
℄ Prop. Westbound Lanes
Std. I-8 C.B. No. 3-A
Prop. 12" Pipe Storm Sewer
30° ELL
F.L. El. 1013.60
F.L. Elev. 1004.50
30° ELL
Concrete End Wall for Storm Sewers, see detail
SECTION LEFT OF STA. 218+00
Scale 1"=5'

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-856-7 FG-856-7 F-16-2	POST WAR

75
227

CLARK COUNTY
CLA. 40-15.18 - 23.88)

Begin Feather end Area Sta. 984+72
P.C. 984+92.41 Begin Resurfacing & Widening
2-A
3-A
4-A
WEST BOUND LANE
Δ = 1°-28'
D = 0°-51'-59"
T = 275.37'
L = 550.57'
R = 21513.92
E = 1.76'
Std. I-B C.B. No. 1-2-A
277 Lt. Sta. 982+00
Inlet El. 1047.20
F.L.El. 1045.80
Ex. Lt. Pav't.
Inlet El. 1047.28
Prop. 12"
Inlet Elev. 1047.70
Begin Paved Median
Prop. 15" Pipe Storm Sewer
F.L.El. 1045.20
F.L.El. 1043.80
2-D
1-A
3-D
Datum Elev. 1050.00
℄ Prop. Eastbound Lanes
Inlet El. 1047.28
Inlet El. 1047.70
Prop. 12" Pipe S.S.-7
Prop. 12" Pipe Storm Sewer
F.L. Elev. 1044.30
F.L. Elev. 1044.12
F.L. Elev. 1044.10
F.L. Elev. 1043.80
Std. I-B C.B. No. 14-A Modified
Std. I-B C.B. No. 14-A Modified
P.I. Sta. 983+23.55 East bound Lane
P.I. Sta. 987+72.78 West bound Lane

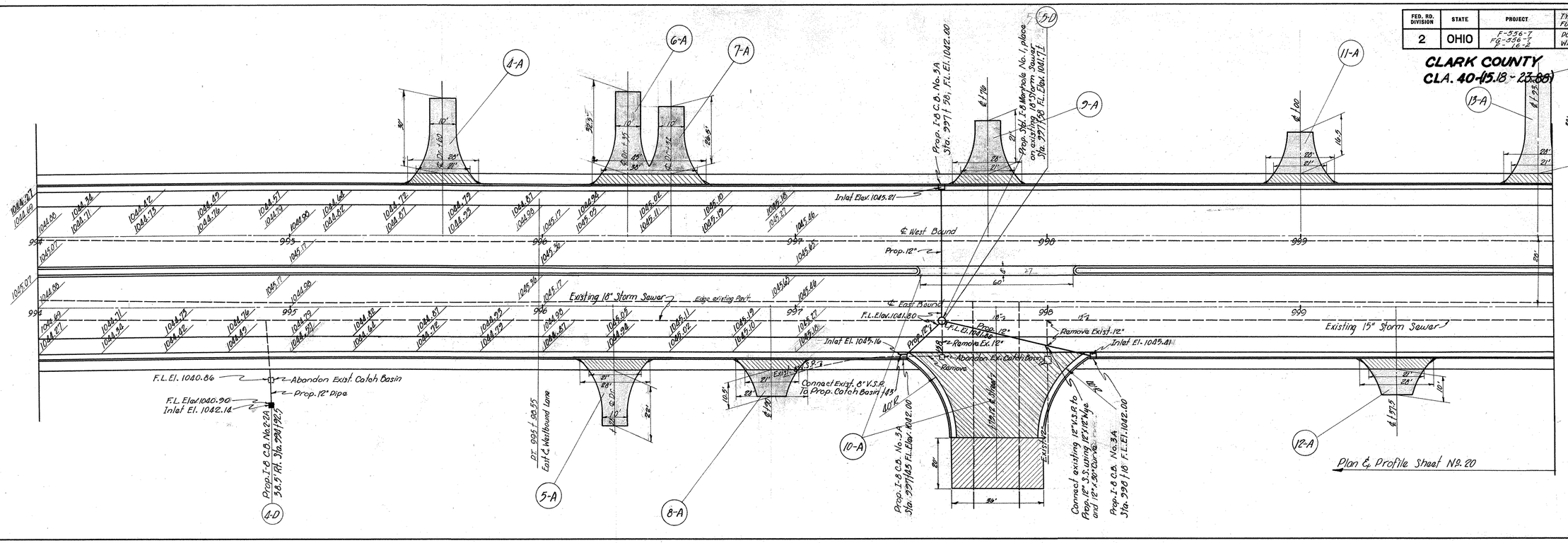
PART SECTION STA. 984+74
Scale 1" = 5'

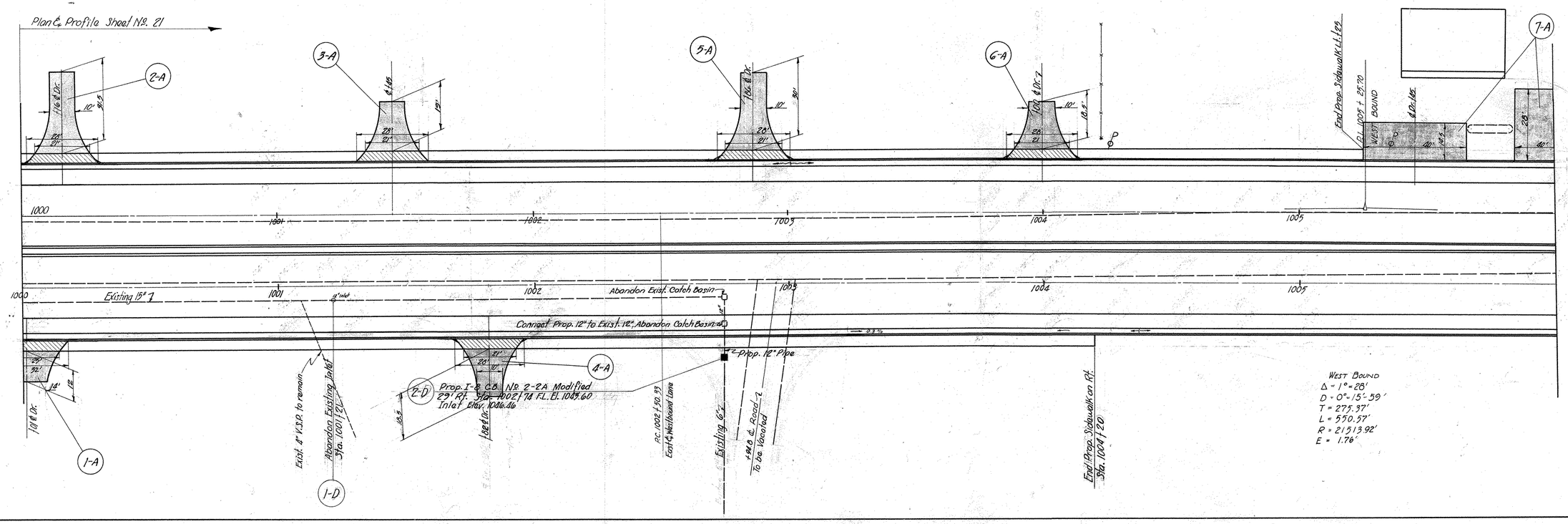
5-A
6-A
7-A
1-D
1+06.5 Prop. Std. No. 1. Manhole place on existing 18" Storm Sewer.
Connect to Through Inlet. Abandon Ex. Inlet.
2-D
Plan & Profile Sheet No. 19
Plan & Profile Sheet No. 20
End Prop. T-70 Pav't. of Eastbound Lanes, Begin T-35 Pav't. Sta. 988+00
P.C. 989+47.39 West Bound
P.I. 991+61.1 Eastbound Lane
West Bound
Δ = 1° 28'
D = 0° 15'-39'
T = 275.37'
L = 550.57'
R = 21513.92
E = 1.76'
EAST BOUND LANE
Δ = 2°-20"
D = 0°-16'
T = 437.55'
L = 875.00'
R = 21485.92'
E = 4.45'
1-A
2-A
3-A
3-D
1+37 Prop. Std. I-B C.B. No. 3A Inlet Elev. 1043.21
Abandon Ex. Inlet
Abandon Ex. Catch Basin
℄ Alley
1+04 Std. I-B C.B. No. 3A Inlet El. 1044.13
1+85 Std. I-B C.B. No. 3A Inlet Elev. 1044.04
1+32.5 Prop. Std. I-B No. 1. Manhole Place on Existing 18" Storm Sewer F.L. Elev. 1040.62
Prop. 12" Pipe
Remove
F.L. El. 1040.90
F.L. El. 1040.70
F.L. El. 1040.10

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-536-7 FG-536-7 F-16-2	DIST WAR

76
227

CLARK COUNTY
CLA. 40-(15.18 - 23.86)

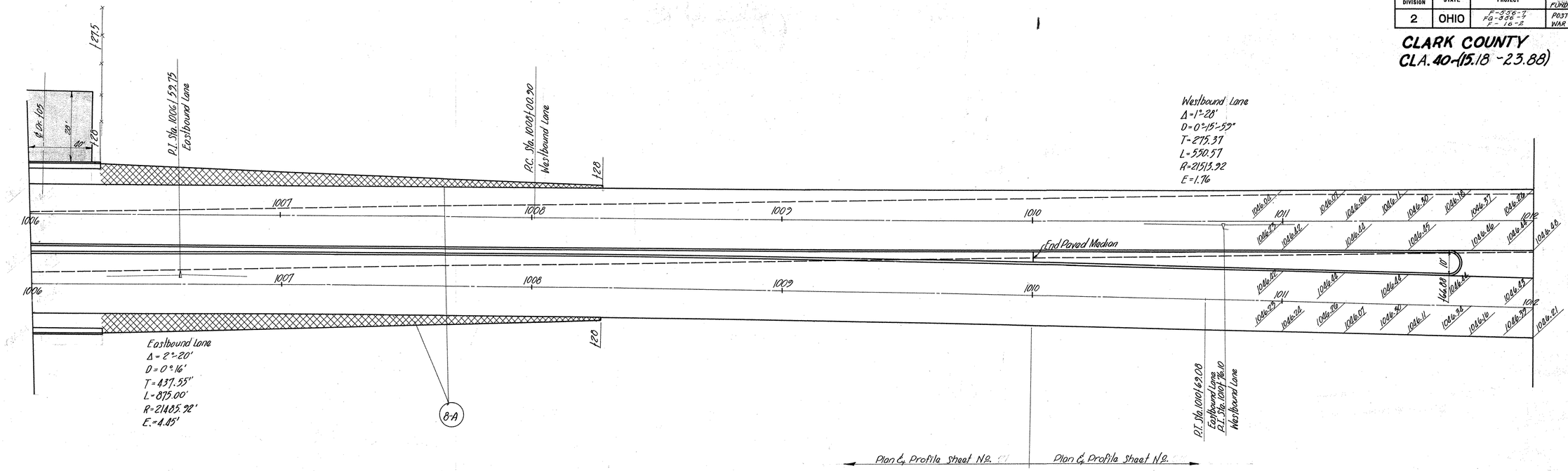


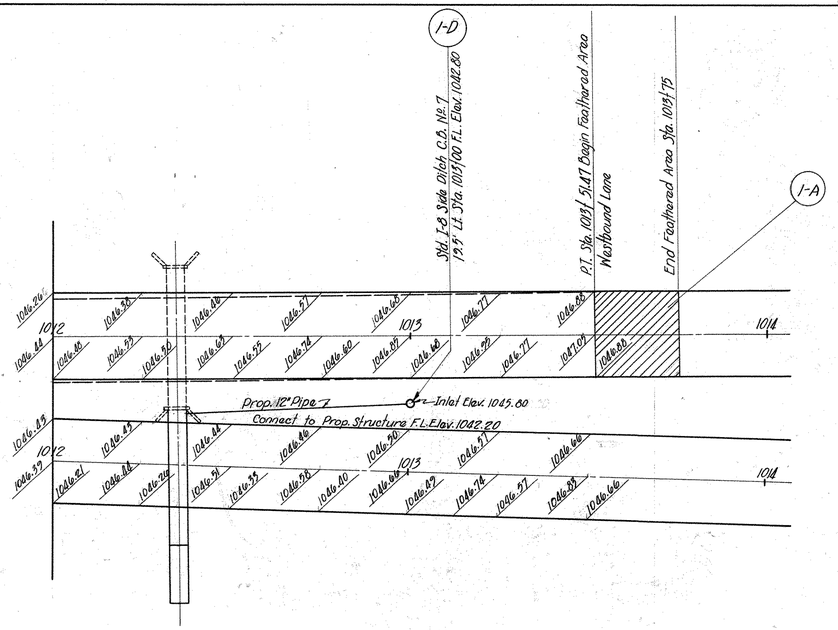


FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-536-7 FG-386-7 F-16-2	POST WAR

77 / 227

CLARK COUNTY
CLA. 40-(15.18 - 23.88)





SUPERELEVATION TABLES

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 F6-556-7 F-76-2	POST WAR

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CLARK COUNTY
CLA -40- (15.18-23.88)

T. S. STA. 1064+48.80 — S.T. STA. 1076+71.02 — D = 1°30' RT.

ELEV. OF LT. EDGE	WIDTH	ADD TO RT. EDGE	℄ STATION	PROFILE GRADE	DEDUCT FROM GRADE	WIDTH	ELEV. OF RT. EDGE
1065.09	12	0	1062+50	1065.26	0.17	12	1065.00
1065.23		0.02	+75	1065.38			1065.21
1065.42		0.11	1063+00	1065.48			1065.31
1065.62		0.20	+25	1065.59			1065.42
1065.82		0.31	+50	1065.68			1065.51
1066.02		0.41	+75	1065.78			1065.61
1066.23		0.54	1064+00	1065.86			1065.69
1066.43		0.65	+25	1065.95			1065.78
1066.63		0.78	+50	1066.02			1065.85
1066.84		0.91	+75	1066.10			1065.93
1067.04		1.05	1065+00	1066.16			1065.99
1067.21		1.15	+25	1066.23			1066.06
1067.29		1.18	+50	1066.28			1066.11
1067.35		1.18	+75	1066.34			1066.17
1067.39			1066+00	1066.36			1066.21
1067.44			+25	1066.43			1066.26
1067.48			+50	1066.47			1066.30
1067.53			+75	1066.52			1066.35
1067.57			1067+00	1066.56			1066.39
1067.62			+25	1066.61			1066.44
1067.66			+50	1066.65			1066.48
1067.71			+75	1066.70			1066.53
1067.75			1068+00	1066.74			1066.57
1067.80			+25	1066.79			1066.62
1067.84			+50	1066.83			1066.66
1067.89			+75	1066.88			1066.71
1067.93			1069+00	1066.92			1066.75
1067.98			+25	1066.97			1066.80
1068.02			+50	1067.01			1066.84
1068.07			+75	1067.06			1066.89
1068.11			1070+00	1067.10			1066.93
1068.16			+25	1067.15			1066.98
1068.20			+50	1067.19			1067.02
1068.25			+75	1067.24			1067.07
1068.29			1071+00	1067.28			1067.11
1068.34			+25	1067.33			1067.16
1068.38			+50	1067.37			1067.20
1068.43			+75	1067.42			1067.25
1068.47			1072+00	1067.46			1067.29
1068.52			+25	1067.51			1067.34
1068.56			+50	1067.55			1067.38
1068.61			+75	1067.60			1067.43
1068.65			1073+00	1067.64			1067.47
1068.70			+25	1067.69			1067.52
1068.74			+50	1067.73			1067.56
1068.79			+75	1067.78			1067.61
1068.83			1074+00	1067.82			1067.65
1068.88			+25	1067.87			1067.70
1068.92			+50	1067.91			1067.74
1068.97			+75	1067.96			1067.79
1069.01			1075+00	1068.00			1067.83
1069.06			+25	1068.05			1067.88
1069.10			+50	1068.09			1067.92
1069.15		1.18	+75	1068.14			1067.97
1069.16		1.15	1076+00	1068.18			1068.01
1069.12		1.06	+25	1068.23			1068.06
1069.04		0.94	+50	1068.27			1068.10
1068.97		0.82	+75	1068.32			1068.15
1068.89		0.70	1077+00	1068.36			1068.19
1068.83		0.59	+25	1068.41			1068.24
1068.75		0.47	+50	1068.45			1068.28
1068.68		0.35	+75	1068.50			1068.33
1068.60		0.23	1078+00	1068.54			1068.37
1068.53		0.11	+25	1068.59			1068.42
1068.49		0.03	+50	1068.63			1068.46
1068.51		0.00	+75	1068.68			1068.51

T.S. STA. 1087+67.6 — S.T. STA. 1109+65.38 — D = 1°30' LT.

ELEV. OF LT. EDGE	WIDTH	DEDUCT FROM GRADE	℄ STATION	PROFILE GRADE	ADD TO LT. EDGE	WIDTH	ELEV. OF RT. EDGE
1070.39	12"	0.17	1085+50	1070.56	0.00	12"	1070.39
1070.58			+75	1070.75	0.03		1070.61
1070.77			1086+00	1070.94	0.18		1070.95
1070.99			+25	1071.16	0.34		1071.33
1071.21			+50	1071.38	0.49		1071.70
1071.45			+75	1071.62	0.62		1072.07
1071.70			1087+00	1071.87	0.75		1072.45
1071.97			+25	1072.14	0.85		1072.82
1072.24			+50	1072.41	0.96		1073.20
1072.54			+75	1072.71	1.03		1073.37
1072.84			1088+00	1073.01	1.11		1073.95
1073.16			+25	1073.33	1.17		1074.33
1073.40			+50	1073.66	1.18		1074.67
1073.84			+75	1074.01			1075.02
1074.19			1089+00	1074.36			1075.37
1074.56			+25	1074.73			1075.74
1074.92			+50	1075.09			1076.10
1075.29			+75	1075.46			1076.47
1075.65			1090+00	1075.82			1076.83
1076.02			+25	1076.19			1077.20
1076.38			+50	1076.55			1077.56
1076.75			+75	1076.92			1077.93
1077.11			1091+00	1077.28			1078.29
1077.48			+25	1077.65			1078.66
1077.84			+50	1078.01			1079.02
1078.21			+75	1078.38			1079.39
1078.57			1092+00	1078.74			1079.75
1078.94			+25	1079.11			1080.12
1079.30			+50	1079.47			1080.48
1079.67			+75	1079.84			1080.85
1080.03			1093+00	1080.20			1081.21
1080.40			+25	1080.57			1081.58
1080.76			+50	1080.93			1081.94
1081.13			+75	1081.30			1082.31
1081.49			1094+00	1081.66			1082.67
1081.86			+25	1082.03			1083.04
1082.22			+50	1082.39			1083.40
1082.59			+75	1082.76			1083.77
1082.95			1095+00	1083.12			1084.13
1083.32			+25	1083.49			1084.50
1083.68			+50	1083.85			1084.86
1084.05			+75	1084.22			1085.23
1084.41			1096+00	1084.58			1085.59
1084.78			+25	1084.95			1085.96
1085.14			+50	1085.31			1086.32
1085.51			+75	1085.68			1086.69
1085.87			1097+00	1086.04			1087.05
1086.24			+25	1086.41			1087.42
1086.60			+50	1086.77			1087.78
1086.97			+75	1087.14			1088.15
1087.33			1098+00	1087.50			1088.51
1087.70			+25	1087.87			1088.88
1088.06			+50	1088.23			1089.24
1088.43			+75	1088.60			1089.61
1088.79			1099+00	1088.96			1089.97
1089.16			+25	1089.33			1090.34
1089.52			+50	1089.69			1090.70
1089.89			+75	1090.06			1091.07
1090.25			1100+00	1090.42			1091.43
1090.62			+25	1090.79			1091.80
1090.98			+50	1091.15			1092.16
1091.35			+75	1091.52			1092.53
1091.71			1101+00	1091.88			1092.89
1092.08			+25	1092.25			1093.26
1092.44			+50	1092.61			1093.62
1092.81			+75	1092.98			1093.99

T.S. STA. 1087+67.6 (Cont'd) — S.T. STA. 1109+65.38 — D = 1°30' LT.

ELEV. OF LT. EDGE	WIDTH	DEDUCT FROM GRADE	℄ STATION	PROFILE GRADE	ADD TO LT. EDGE	WIDTH	ELEV. OF RT. EDGE
1093.17	12	0.17	1102+00	1093.34			1094.35
1093.54			+25	1093.71			1094.72
1093.90			+50	1094.07			1095.08
1094.27			+75	1094.44			1095.45
1094.63			1103+00	1094.80			1095.81
1095.00			+25	1095.17			1096.18
1095.36			+50	1095.53			1096.54
1095.73			+75	1095.90			1096.91
1096.09			1104+00	1096.26			1097.27
1096.46			+25	1096.63			1097.64
1096.82			+50	1096.99			1098.00
1097.19			+75	1097.36			1098.37
1097.55			1105+00	1097.72			1098.73
1097.92			+25	1098.09			1099.10
1098.28			+50	1098.45			1099.46
1098.65			+75	1098.82			1099.83
1099.01			1106+00	1099.18			1100.19
1099.38			+25	1099.55			1100.56
1099.74			+50	1099.91			1100.92
1100.11			+75	1100.28			1101.29
1100.47			1107+00	1100.64			1101.65
1100.84			+25	1101.01			1102.02
1101.20			+50	1101.37			1102.38
1101.57			+75	1101.74			1102.75
1101.93			1108+00	1102.10			1103.11
1102.30			+25	1102.47			1103.48
1102.66			+50	1102.83			1103.84
1103.03			+75	1103.20	1.18		1104.21
1103.39			1109+00	1103.56	1.15		1104.54
1103.76			+25	1103.93	1.06		1104.82
1104.12			+50	1104.29	0.94		1105.06
1104.49			+75	1104.66	0.82		1105.31
1104.85			1110+00	1105.02	0.70		1105.55
1105.22			+25	1105.39	0.59		1105.81
1105.58			+50	1105.75	0.47		1106.05
1105.95			+75	1106.12	0.35		1106.30
1106.31			1111+00	1106.48	0.23		1106.54
1106.68			+25	1106.85	0.11		1106.79
1107.04			+50	1107.21	0.03		1107.07
1107.41			+75	1107.58	0.00		1107.41

T.S. STA. 1113+77.11 — S.T. STA. 1126+23.77 — D = 1°30' RT.

ELEV. OF LT. EDGE	WIDTH	ADD TO RT. EDGE	℄ STATION	PROFILE GRADE	DEDUCT FROM GRADE	WIDTH	ELEV. OF RT. EDGE
1107.41	12	0.00	1111+75	1107.58	0.17	12	1107.41
1107.80		0.03	1112+00	1107.94			1107.77
1108.25		0.11	+25	1108.31			1108.14
1108.73		0.23	+50	1108.67			1108.50
1109.22		0.35	+75	1109.04			1108.87
1109.70		0.47	1113+00	1109.40			1109.23
1110.19		0.59	+25	1109.77			1109.60
1110.66		0.70	+50	1110.13			1110.06
1111.15		0.82	+75	1110.50			1110.33
1111.63		0.94	1114+00	1110.86			1110.69
1112.12		1.06	+25	1111.23			1111.06
1112.57		1.15	+50	1111.59			1111.42
1112.97		1.18	+75	1111.96			1111.79
1113.33		1.18	1115+00	1112.32			1112.15
1113.70			+25	1112.69			1112.52
1114.06			+50	1113.05			1112.88
1114.43			+75	1113.42			1113.25
1114.79			1116+00	1113.78			1113.61
1115.16			+25	1114.15			1113.98
1115.52			+50	1114.51			1114.34
1115.89			+75	1114.88			1114.71
1116.25			1117+00	1115.24			1115.07
1116.62			+25	1115.61			1115.44
1116.98			+50	1115.97			1115.80
1117.35			+75	1116.34			1116.17
1117.71			1118+00	1116.70			1116.53
1118.08			+25	1117.07			1116.90
1118.44			+50	1117.43			1117.26
1118.81			+75	1117.80			1117.63
1119.17			1119+00	1118.16			1117.99
1119.54			+25	1118.53			1118.36
1119.90			+50	1118.89			1118.72
1120.27			+75	1119.26			1119.09
1120.63			1120+00	1119.62			1119.45
1121.00			+25	1119.99			1119.82
1121.36			+50	1120.35			1120.18
1121.73			+75	1120.72			1120.55
1122.09			1121+00	1121.08			1120.91
1122.46			+25	1121.45			1121.28
1122.82			+50	1121.81			1121.64
1123.19			+75	1122.18			1122.01
1123.55			1122+00	1122.54			1122.37
1123.92			+25	1122.91			1122.74
1124.28			+50	1123.27			1123.10
1124.65			+75	1123.64			1123.47
1125.01			1123+00	1124.00			1123.83
1125.38			+25	1124.37			1124.20
1125.74			+50	1124.73			1124.56
1126.11			+75	1125.10			1124.93
1126.47			1124+00	1125.46			1125.29
1126.84			+25	1125.83			1125.66
1127.20			+50	1126.19			1126.02
1127.57			+75	1126.56			1126.39
1127.93			1125+00	1126.92			1126.75
1128.30		1.18	+25	1127.29			1127.12
1128.60		1.14	+50	1127.63			1127.46
1128.84		1.02	+75	1127.99			1127.82
1129.03		0.89	1126+00	1128.32			1128.15
1129.23		0.75	+25	1128.65			1128.48
1129.42		0.62	+50	1128.97			1128.80
1129.62		0.50	+75	1129.29			1129.12
1129.80		0.38	1127+00	1129.59			1129.42
1130.00		0.27	+25	1129.90			1129.73
1130.19		0.17	+50	1130.19			1130.02
1130.38		0.07	+75	1130.48			1130.31
1130.60		0.02	1128+00	1130.75			1130.58
1130.85		0.00	+25	1131.02			1130.89

SUPERELEVATION TABLES (continued)

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

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CLARK COUNTY
CLA. 40-(15.18-23.88)

P.C. Sta. 1207+84.61 — D = 0°-48' Right — P.T. Sta. 1221+77.32

WESTBOUND LANES						EASTBOUND LANES			
Elevation Left Edge	Super-elevation	Elevation Right Edge	Width	Station	Profile Grade	Width	Elevation Left Edge	Super-elevation	Elevation Right Edge
1166.42	0.0	1166.34	24'	1205+50					
1166.56	0.03	1166.53		+75					
1166.82	0.10	1166.72		1206+00	1164.95	24'	1164.78	0.0	1164.78
1167.11	0.20	1166.91		+25	1165.05		1164.92	0.04	1164.88
1167.40	0.29	1167.11		+50	1165.16		1165.10	0.11	1164.99
1167.69	0.39	1167.30		+75	1165.27		1165.32	0.22	1165.10
1167.98	0.49	1167.49		1207+00	1165.39		1165.55	0.33	1165.22
1168.27	0.59	1167.68		+25	1165.51		1165.76	0.42	1165.34
1168.56	0.69	1168.87		+50	1165.63		1166.00	0.54	1165.46
1168.83	0.76	1168.07		+75	1165.76		1166.22	0.63	1165.59
1169.05	0.79	1168.26		1208+00	1165.90		1166.44	0.71	1165.73
1169.24		1168.45		+25	1166.04		1166.64	0.77	1165.87
1169.43		1168.64		+50	1166.18		1166.80	0.79	1166.01
1169.62		1168.83		+75	1166.33		1166.95		1166.16
1169.81		1169.02		1209+00	1166.49		1167.11		1166.32
1170.01		1169.22		+25	1166.65		1167.27		1166.48
1170.20		1169.41		+50	1166.81		1167.43		1166.64
1170.39		1169.60		+75	1166.98		1167.10		1166.81
1170.58		1169.79		1210+00	1167.15		1167.77		1166.98
1170.77		1169.98		+25	1167.33		1167.95		1167.16
1170.96		1170.17		+50	1167.51		1168.13		1167.34
1171.16		1170.37		+75	1167.70		1168.32		1167.53
1171.35		1170.56		1211+00	1167.89		1168.51		1167.72
1171.54		1170.75		+25	1168.08		1168.70		1167.91
1171.73		1170.94		+50	1168.28		1168.90		1168.11
1171.92		1171.13		+75	1168.49		1169.11		1168.32
1172.12		1171.33		1212+00	1168.70		1169.32		1168.53
1172.31		1171.52		+25	1168.91		1169.53		1168.74
1172.50		1171.71		+50	1169.13		1169.75		1168.96
1172.69		1171.90		+75	1169.36		1169.98		1169.19
1172.88		1172.09		1213+00	1169.59		1170.21		1169.42
1173.07		1172.28		+25	1169.82		1170.44		1169.65
1173.27		1172.48		+50	1170.06		1170.68		1169.89
1173.46		1172.67		+75	1170.30		1170.92		1170.13
1173.65		1172.86		1214+00	1170.55		1171.17		1170.38
1173.84		1173.05		+25	1170.80		1171.42		1170.63
1174.03		1173.24		+50	1171.05		1171.67		1170.88
1174.22		1173.43		+75	1171.30		1171.92		1171.13
1174.42		1173.63		1215+00	1171.55		1172.17		1171.38
1174.61		1173.82		+25	1171.80		1172.42		1171.63
1174.80		1174.01		+50	1172.05		1172.67		1171.88
1174.99		1174.20		+75	1172.30		1172.92		1172.13
1175.18		1174.39		1216+00	1172.55		1173.17		1172.38
1175.37		1174.58		+25	1172.80		1173.42		1172.63
1175.57		1174.78		+50	1173.05		1173.67		1172.88
1175.76		1174.97		+75	1173.30		1173.92		1173.13
1175.95		1175.16		1217+00	1173.55		1174.17		1173.38
1176.14		1175.35		+25	1173.80		1174.42		1173.63
1176.33		1175.54		+50	1174.05		1174.67		1173.88
1176.53		1175.74		+75	1174.30		1174.92		1174.13
1176.72		1175.93		1218+00	1174.55		1175.17		1174.38
1176.91		1176.12		+25	1174.80		1175.42		1174.63
1177.10		1176.31		+50	1175.05		1175.67		1174.88
1177.29		1176.50		+75	1175.30		1175.92		1175.13
1177.48		1176.69		1219+00	1175.55		1176.17		1175.38
1177.66		1176.87		+25	1175.80		1176.42		1175.63
1177.83		1177.04		+50	1176.05		1176.67		1175.88
1178.00		1177.21		+75	1176.30		1176.92		1176.13
1178.15		1177.36		1220+00	1176.55		1177.17		1176.38
1178.31		1177.52		+25	1176.80		1177.42		1176.63
1178.46		1177.67		+50	1177.03		1177.65		1176.86
1178.60		1177.81		+75	1177.26		1177.88		1177.09
1178.74	0.79	1177.95		1221+00	1177.48		1178.10	0.79	1177.31
1178.83	0.75	1178.08		+25	1177.68		1178.26	0.75	1177.51
1178.87	0.67	1178.20		+50	1177.88		1178.38	0.67	1177.71
1178.89	0.57	1178.32		+75	1178.07		1178.46	0.56	1177.90
1178.90	0.47	1178.43		1222+00	1178.25		1178.54	0.46	1178.08
1178.91	0.37	1178.54		+25	1178.42		1178.62	0.37	1178.25
1178.92	0.27	1178.65		+50	1178.60		1178.70	0.27	1178.43
1178.93	0.19	1178.74		+75	1178.77		1178.78	0.18	1178.60
1178.94	0.10	1178.84		1223+00	1178.95		1178.86	0.08	1178.78
1179.00	0.03	1178.97		+25	1179.12		1178.97	0.02	1178.95
1179.13	0.0	1179.13	24'	+50	1189.30		1179.13	0.0	1179.13

Note: Grade for Prop. Westbound Lanes is not parallel to Profile Grade but is altered to meet existing pavement Sta. 1205+50 to Sta. 1223+50.

P.C. Sta. 1265+65.94 — D = 0°-48' Right — P.T. Sta. 1282+86.77

WESTBOUND LANES						EASTBOUND LANES			
Elevation Left Edge	Super-elevation	Elevation Right Edge	Width	Station	Profile Grade	Width	Elevation Left Edge	Super-elevation	Elevation Right Edge
1194.88	0.0	1194.88	24'	1264+00	1195.05	24'	1194.88	0.0	1194.88
1194.85	0.02	1194.83		+25	1194.98		1194.83	0.02	1194.81
1194.83	0.10	1194.83		+50	1194.90		1194.83	0.10	1194.73
1195.06	0.20	1194.86		+75	1194.83		1194.86	0.20	1194.66
1195.18	0.30	1194.88		1265+00	1194.75		1194.88	0.30	1194.58
1195.31	0.40	1194.91		+25	1194.68		1194.91	0.40	1194.51
1195.43	0.50	1194.93		+50	1194.60		1194.93	0.50	1194.43
1195.56	0.60	1194.96		+75	1194.53		1194.96	0.60	1194.36
1195.68	0.70	1194.98		1266+00	1194.45		1194.98	0.70	1194.28
1195.75	0.77	1194.98		+25	1194.38		1194.98	0.77	1194.21
1195.71	0.79	1194.92		+50	1194.30		1194.92	0.79	1194.13
1195.64		1194.85		+75	1194.23		1194.85		1194.06
1195.56		1194.77		1267+00	1194.15		1194.77		1193.98
1195.49		1194.70		+25	1194.08		1194.70		1193.91
1195.41		1194.62		+50	1194.00		1194.62		1193.83
1195.34		1194.55		+75	1193.93		1194.55		1193.76
1195.26		1194.47		1268+00	1193.85		1194.47		1193.68
1195.19		1194.40		+25	1193.78		1194.40		1193.61
1195.11		1194.32		+50	1193.70		1194.32		1193.53
1195.04		1194.25		+75	1193.63		1194.25		1193.46
1194.96		1194.17		1269+00	1193.55		1194.17		1193.38
1194.89		1194.10		+25	1193.48		1194.10		1193.31
1194.81		1194.02		+50	1193.40		1194.02		1193.23
1194.74		1193.95		+75	1193.33		1193.95		1193.16
1194.66		1193.87		1270+00	1193.25		1193.87		1193.08
1194.59		1193.80		+25	1193.18		1193.80		1193.01
1194.51		1193.72		+50	1193.10		1193.72		1192.93
1194.44		1193.65		+75	1193.03		1193.65		1192.86
1194.36		1193.57		1271+00	1192.95		1193.57		1192.78
1194.29		1193.50		+25	1192.88		1193.50		1192.71
1194.21		1193.42		+50	1192.80		1193.42		1192.63
1194.14		1193.35		+75	1192.73		1193.35		1192.56
1194.06		1193.27		1272+00	1192.65		1193.27		1192.48
1193.99		1193.20		+25	1192.58		1193.20		1192.41
1193.91		1193.12		+50	1192.50		1193.12		1192.33
1193.84		1193.05		+75	1192.43		1193.05		1192.26
1193.76		1192.97		1273+00	1192.35		1192.97		1192.18
1193.69		1192.90		+25	1192.28		1192.90		1192.11
1193.61		1192.82		+50	1192.20		1192.82		1192.03
1193.54		1192.75		+75	1192.13		1192.75		1191.96
1193.46		1192.67		1274+00	1192.05		1192.67		1191.88
1193.39		1192.60		+25	1191.98		1192.60		1191.81
1193.20		1192.50		+50	1191.88		1192.50		1191.71
1193.20		1192.41		+75	1191.79		1192.41		1191.62
1193.09		1192.30		1275+00	1191.68		1192.30		1191.51
1192.99		1192.20		+25	1191.58		1192.20		1191.41
1192.86		1192.07		+50	1191.45		1192.07		1191.28
1192.74		1191.95		+75	1191.33		1191.95		1191.16
1192.60		1191.81		1276+00	1191.19		1191.81		1191.02
1192.46		1191.67		+25	1191.05		1191.67		1190.88
1192.30		1191.51		+50	1190.89		1191.51		1190.72
1192.14		1191.35		+75	1190.73		1191.35		1190.56
1191.97		1191.18		1277+00	1190.56		1191.18		1190.39
1191.80		1191.01		+25	1190.39		1191.01		1190.22
1191.61		1190.82		+50	1190.20		1190.82		1190.03
1191.42		1190.63		+75	1190.01		1190.63		1189.84
1191.21		1190.42		1278+00	1189.80		1190.42		1189.63
1191.00		1190.21		+25	1189.59		1190.21		1189.42
1190.79		1190.00		+50	1189.38		1190.00		1189.21
1190.56		1189.77		+75	1189.15		1189.77		1188.98
1190.32		1189.53		1279+00	1188.91		1189.53		1188.74
1190.08		1189.29		+25	1188.67		1189.29		1188.50
1189.83		1189.04		+50	1188.42		1189.04		1188.25
1189.57		1188.78		+75	1188.16		1188.78		1187.99
1189.31		1188.52		1280+00	1187.90		1188.52		1187.73
1189.03		1188.24		+25	1187.62		1188.24		1187.45
1188.75		1187.96		+50	1187.34		1187.96		1187.17
1188.66		1187.67		+75	1187.05		1187.67		1186.88
1188.15		1187.36		1281+00	1186.74		1187.36		1186.57
1187.85		1187.06		+25	1186.44		1187.06		1186.27
1187.53		1186.74		+50	1186.12		1186.74		1185.95
1187.21	0.79	1186.42	24'	+75	1185.80	24'	1186.42	0.79	1185.63

P.C. Sta. 1265+65.94 (Continued) — D = 0°-48' Right. — P.T. Sta. 1282+86.77

WESTBOUND LANES						EASTBOUND LANES			
Elevation Left Edge	Super-elevation	Elevation Right Edge	Width	Station	Profile Grade	Width	Elevation Left Edge	Super Elevation	Elevation Right Edge
1186.88	0.79	1186.09		1282+00	1185.47	24'	1186.09	0.79	1185.30
1186.48	0.76	1185.72		+25	1185.13		1185.72	0.76	1184.96
1185.96	0.67	1185.29		+50	1184.79		1185.29	0.67	1184.62
1185.38	0.55	1184.83		+75	1184.45		1184.83	0.55	1184.28
1184.89	0.47	1184.42		1283+00	1184.12		1184.42	0.47	1183.95
1184.37	0.38	1183.99		+25	1183.78		1183.99	0.38	1183.61
1183.82	0.27	1183.55		+50	1183.45		1183.55	0.27	1183.28
1183.30	0.18	1183.12		+75	1183.11		1183.12	0.18	1182.94
1182.78	0.09	1182.69		1284+00	1182.77		1182.69	0.09	1182.60
1182.32	0.03	1182.29		+25	1182.43		1182.29	0.03	1182.26
1181.93	0.00	1181.93	24'	+50	1182.10	24'	1181.93	0.00	1181.93

TEMPORARY CONNECTION OF EASTBOUND LANES
P.C. Sta. 1286+09.69 — D = 3°-00' Left. — P.T. Sta. 1289+09.69

Elevation Left Edge	Width	Crown	Station	Profile Grade	Super-elevation	Width	Elevation Right Edge
1181.26	12'	-0.17	1285+00	1181.43	0.0	12'	1181.26
1180.92			+25	1181.09	0.06		1180.98
1180.59			+50	1180.76	0.24		1180.83
1180.25			+75	1180.42	0.49		1180.74
1179.91			1286+00	1180.08	0.73		1180.64
1179.57			+25	1179.74	0.98		1180.55
1179.24			+50	1179.41	1.16		1180.40
1178.90			+75	1179.07	1.22		1180.12
1178.57	12'	-0.17	1287+00	1178.74	1.22		1179.79
1178.23	11.50	-0.17	+25	1178.40	1.20		1179.43
1177.90	10.67	-0.16	+50	1178.06	1.16		1179.06
1177.57	9.84	-0.15	+75	1177.72	1.12		1178.69
1177.25	9.00	-0.14	1288+00	1177.39	1.07		1178.32
1176.92	8.17	-0.13	+25	1177.05	1.03		1177.95
1176.61	9.34	-0.11	+50	1176.72	0.99		1177.60
1176.28	6.50	-0.10	+75	1176.38	0.83		1177.11
1175.95	5.67	-0.09	1289+00	1176.04	0.67		1176.62
1175.62	4.84	-0.08	+25	1175.70	0.51		1176.13
1175.31	4.01	-0.06	+50	1175.37	0.34		1175.65
1174.99	3.17	-0.05	+75	1175.04	0.17		1175.16
1174.69	2.34	-0.04	1290+00	1174.73	0.05		1174.74
1174.44	1.51	-0.02	+22	1174.46	0.0	12'	1174.44

SUPERELEVATION TABLES (continued)

FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO	F-336-7 FA-336-7 F-12-2	

80
227

CLARK COUNTY
CLA. 40 ~ (15.18-23.88)

P.C. Sta. 1235 + 48.81 — D = 1°-00' Left — P.T. Sta. 1260 + 47.97

WESTBOUND LANES					Station	Profile Grade	EASTBOUND LANES				
Left Edge Acceleration Deceleration Lane	Elevation Left Edge	Super-elevation	Elevation Right Edge	Width of Through Lanes			Left Edge Acceleration or Deceleration Lane	Width of Through Lanes	Elevation Left Edge	Super-elevation	Elevation Right Edge
1186.12	1186.31	0.0	1186.31	24'	1233 + 75	1186.48	1186.29	24'	1186.31	0.0	1186.31
1186.29	1186.48	0.02	1186.50		1234 + 00	1186.65	1186.45		1186.50	0.02	1186.52
1186.47	1186.66	0.10	1186.76		+ 25	1186.83	1186.64		1186.76	0.10	1186.86
1186.64	1186.83	0.20	1187.03		+ 50	1187.00	1186.88		1187.03	0.20	1187.23
1186.82	1187.01	0.30	1187.31		+ 75	1187.18	1187.13		1187.31	0.30	1187.61
1186.98	1187.18	0.40	1187.58		12351 00	1187.35	1187.38		1187.58	0.40	1187.98
1187.11	1187.36	0.50	1187.76		+ 25	1187.53	1187.61		1187.80	0.50	1188.36
1187.23	1187.53	0.60	1188.13		+ 50	1187.70	1187.83		1188.13	0.60	1188.73
1187.36	1187.71	0.70	1188.41		+ 75	1187.88	1188.06		1188.41	0.70	1189.11
1187.46	1187.86	0.77	1188.65		12361 00	1188.05	1188.27		1188.65	0.77	1189.42
	1188.06	0.79	1188.85		+ 25	1188.23			1188.85	0.79	1189.64
	1188.23		1188.72		+ 50	1188.40			1189.02		1189.81
	1188.41		1189.20		+ 75	1188.58			1189.20		1189.99
See Road Approach Details	1188.58		1189.37		1237 + 00	1188.75	See Road Approach Details		1189.37		1190.16
	1188.76		1189.55		+ 25	1188.93			1189.55		1190.34
	1188.93		1189.72		+ 50	1189.10			1189.72		1190.51
	1189.11		1189.90		+ 75	1189.28			1189.90		1190.69
1188.88	1189.28		1190.07		1238 + 00	1189.45	1189.67		1190.07		1190.86
1189.06	1189.46		1190.25		+ 25	1189.63	1190.85		1190.25		1191.04
1189.23	1189.63		1190.42		+ 50	1189.80	1190.02		1190.42		1191.21
1189.41	1189.81		1190.60		+ 75	1189.98	1190.20		1190.60		1191.39
1189.58	1189.98		1190.77		1239 + 00	1190.15	1190.37		1190.77		1191.56
1189.78	1190.16		1190.95		+ 25	1190.33	1190.55		1190.95		1191.74
1190.02	1190.33		1191.12		+ 50	1190.50	1190.72		1191.12		1191.91
1190.28	1190.51		1191.30		+ 75	1190.68	1190.90		1191.30		1192.09
1190.53	1190.68		1191.47		1240 + 00	1190.85	1191.07		1191.47		1192.26
1190.78	1190.86		1191.65		+ 25	1191.03	1191.25		1191.65		1192.44
1190.98	1191.03		1191.82		+ 50	1191.20	1191.42		1191.82		1192.61
1191.19	1191.21		1192.00		+ 75	1191.38	1191.60		1192.00		1192.79
1191.38	1191.38		1192.17		1241 + 00	1191.55	1191.77		1192.17		1192.96
	1191.56		1192.35		+ 25	1191.73	1191.95		1192.35		1193.14
	1191.73		1192.52		+ 50	1191.90	1192.12		1192.52		1193.31
	1191.91		1192.70		+ 75	1192.08	1192.30		1192.70		1193.49
	1192.08		1192.87		1242 + 00	1192.25	1192.47		1192.87		1193.66
	1192.26		1193.05		+ 25	1192.43	1192.65		1193.05		1193.84
	1192.43		1193.22		+ 50	1192.60	1192.82		1193.22		1194.01
	1192.61		1193.40		+ 75	1192.78	1193.00		1193.40		1194.19
	1192.78		1193.57		1243 + 00	1192.95	1193.17		1193.57		1194.36
	1192.96		1193.75		+ 25	1193.13	1193.37		1193.75		1194.54
	1193.13		1193.92		+ 50	1193.30	1193.56		1193.92		1194.71
	1193.31		1194.10		+ 75	1193.48	1193.77		1194.10		1194.89
	1193.48		1194.27		1244 + 00	1193.65	1194.04		1194.27		1195.06
	1193.66		1194.45		+ 25	1193.83	1194.30		1194.45		1195.24
	1193.83		1194.62		+ 50	1194.00	1194.54		1194.62		1195.41
	1194.01		1194.80		+ 75	1194.18	1194.77		1194.80		1195.59
	1194.18		1194.97		1245 + 00	1194.35	1194.96		1194.97		1195.76
	1194.35		1195.14		+ 25	1194.52	1195.14		1195.14		1195.93
1194.63	1194.63		1195.32		+ 50	1194.70			1195.32		1196.11
	1194.70		1195.49		+ 75	1194.87			1195.49		1196.28
	1194.88		1195.67		1246 + 00	1195.05			1195.67		1196.46
	1195.05		1195.84		+ 25	1195.22			1195.84		1196.63
	1195.23		1196.02		+ 50	1195.40			1196.02		1196.81
	1195.40		1196.19		+ 75	1195.57			1196.19		1196.98
	1195.58		1196.37		1247 + 00	1195.75			1196.37		1197.16
	1195.75		1196.54		+ 25	1195.92			1196.54		1197.33
	1195.93		1196.72		+ 50	1196.10			1196.72		1197.51
	1196.09		1196.88		+ 75	1196.26			1196.88		1197.67
	1196.26		1197.05		1248 + 00	1196.43			1197.05		1197.84
	1196.41		1197.20		+ 25	1196.58			1197.20		1197.99
	1196.55		1197.34		+ 50	1196.72			1197.34		1198.13
	1196.69		1197.48		+ 75	1196.86			1197.48		1198.27
	1196.82		1197.61		1249 + 00	1196.99			1197.61		1198.40
	1196.94		1197.73		+ 25	1197.11			1197.73		1198.52
	1197.06		1197.85		+ 50	1197.23			1197.85		1198.64
	1197.16		1197.95		+ 75	1197.33			1197.95		1198.74
	1197.26		1198.05		1250 + 00	1197.43			1198.05		1198.84
	1197.36		1198.13		+ 25	1197.51			1198.13		1198.92
	1197.43		1198.22		+ 50	1197.60			1198.22		1199.01
	1197.50		1198.29		+ 75	1197.67			1198.29		1199.08
	1197.57		1198.36		1251 + 00	1197.74			1198.36		1199.15
	1197.62		1198.41		+ 25	1197.79			1198.41		1199.20
1197.68	1197.68		1198.47		+ 50	1197.85			1198.47		1199.26
	1197.73		1198.52		+ 75	1197.90			1198.52		1199.31
	1197.76		1198.55		1252 + 00	1197.93			1198.55		1199.34
	1197.79		1198.58		+ 25	1197.96			1198.58		1199.37
	1197.80	0.79	1198.59	24'	+ 50	1197.97		24'	1198.59	0.79	1199.38

P.C. Sta. 1235 + 48.81 (Continued) — D = 1°-00' Left — P.T. Sta. 1260 + 47.97

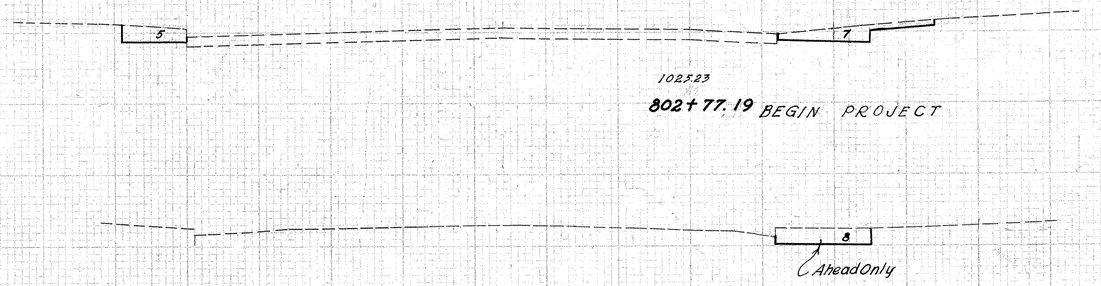
WESTBOUND LANES					Station	Profile Grade	EASTBOUND LANES				
	Elevation Left Edge	Super-elevation	Elevation Right Edge	Width				Width	Elevation Left Edge	Super-elevation	Elevation Right Edge
	1197.82	0.79	1198.61	24'	1252 + 75	1197.99		24'	1198.61	0.79	1199.40
	1197.82		1198.61		1253 + 00	1197.99			1198.61		1199.40
	1197.82		1198.61		+ 25	1197.99			1198.61		1199.40
	1197.81		1198.60		+ 50	1197.98			1198.60		1199.39
	1197.79		1198.58		+ 75	1197.96			1198.58		1199.37
	1197.76		1198.55		1254 + 00	1197.93			1198.55		1199.34
	1197.73		1198.52		+ 25	1197.90			1198.52		1199.31
	1197.68		1198.47		+ 50	1197.85			1198.47		1199.26
	1197.63		1198.42		+ 75	1197.80			1198.42		1199.21
	1197.57		1198.36		1255 + 00	1197.74			1198.36		1199.15
	1197.51		1198.30		+ 25	1197.68			1198.30		1199.09
	1197.45		1198.22		+ 50	1197.60			1198.22		1199.01
	1197.36		1198.15		+ 75	1197.53			1198.15		1198.94
	1197.28		1198.07		1256 + 00	1197.45			1198.07		1198.86
	1197.21		1198.00		+ 25	1197.38			1198.00		1198.79
	1197.13		1197.92		+ 50	1197.30			1197.92		1198.71
	1197.06		1197.85		+ 75	1197.23			1197.85		1198.64
	1196.98		1197.77		1257 + 00	1197.15			1197.77		1198.56
	1196.91		1197.70		+ 25	1197.08			1197.70		1198.49
	1196.83		1197.62		+ 50	1197.00			1197.62		1198.41
	1196.76		1197.55		+ 75	1196.93			1197.55		1198.34
	1196.68		1197.47		1258 + 00	1196.85			1197.47		1198.26
	1196.61		1197.40		+ 25	1196.78			1197.40		1198.19
	1196.53		1197.32		+ 50	1196.70			1197.32		1198.11
	1196.46		1197.25		+ 75	1196.63			1197.25		1198.04
	1196.38		1197.17		1259 + 00	1196.55			1197.17		1197.96
	1196.31		1197.10		+ 25	1196.48			1197.10		1197.89
	1196.23		1197.02		+ 50	1196.40			1197.02		1197.81
	1196.16	0.79	1196.95		+ 75	1196.33			1196.95	0.79	1197.74
	1196.08	0.77	1196.85		1260 + 00	1196.25			1196.85	0.77	1197.62
	1196.01	0.70	1196.71		+ 25	1196.18			1196.71	0.70	1197.41
	1195.93	0.60	1196.53		+ 50	1196.10			1196.53	0.60	1197.13
	1195.86	0.50	1196.36		+ 75	1196.03			1196.36	0.50	1196.86
	1195.78	0.40	1196.18		1261 + 00	1195.95			1196.18	0.40	1196.58
	1195.71	0.30	1196.01		+ 25	1195.88			1196.01	0.30	1196.31
	1195.63	0.20	1195.83		+ 50	1195.80			1195.83	0.20	1196.03
	1195.56	0.10	1195.66		+ 75	1195.73			1195.66	0.10	1195.76
	1195.48	0.02	1195.50		1262 + 00	1195.65			1195.50	0.02	1195.52
	1195.41	0.0	1195.41	24'	+ 25	1195.58		24'	1195.41	0.0	1195.41

This is correct sheet
Corrections were made from
old sheet 11/1/48

FED. ROAD DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

82
227

CLARK COUNTY
CLA. 40 — (15.18 – 23.88)



End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
12	0		
		19	0
8	0		

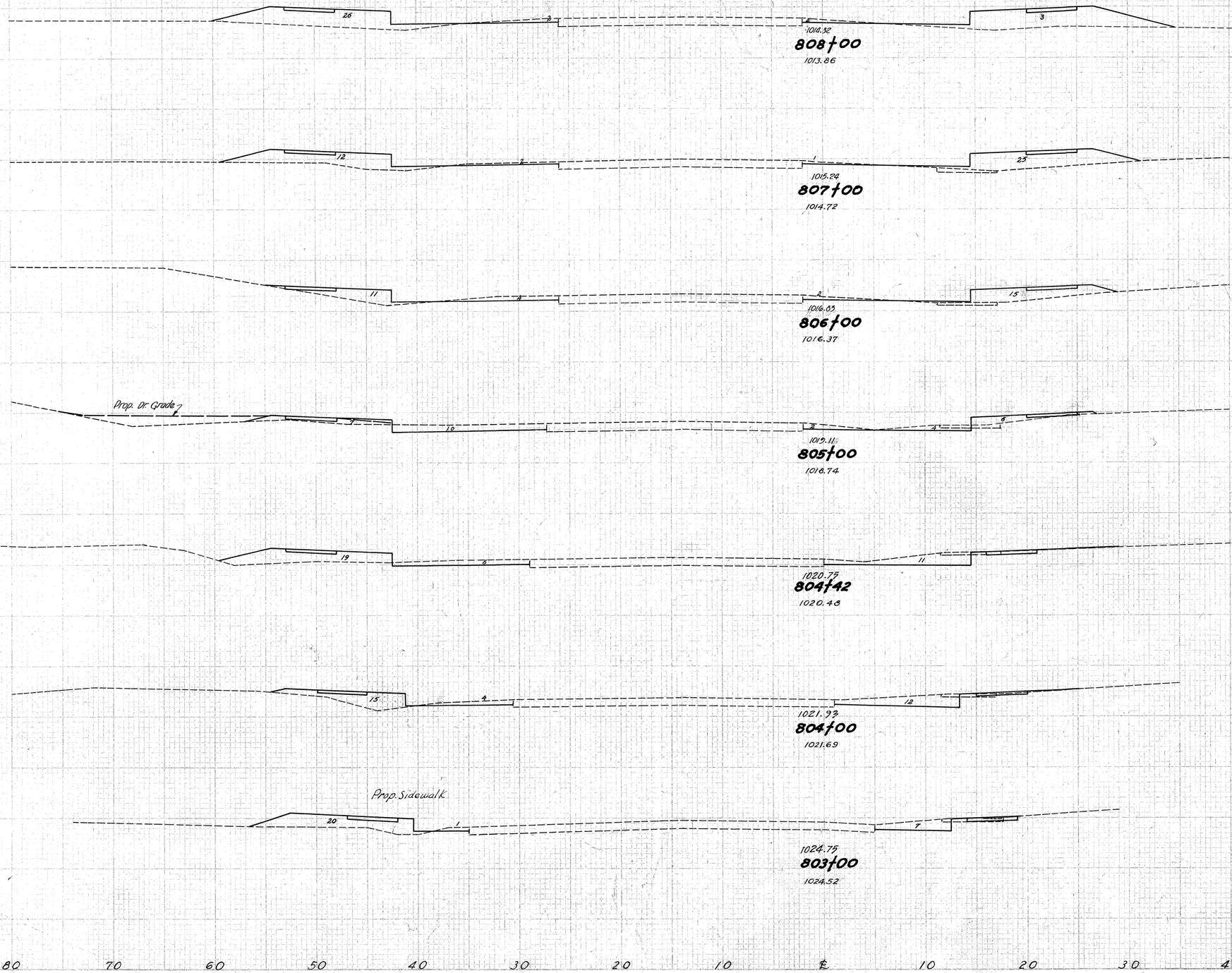
50 40 30 20 10 ℄ 10 20 30 40

CROSS SECTIONS STA. 802+00 TO STA. 802+77.17

FED. AID DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-1 F-16-2	POST WAR

82
227

CLARK COUNTY
CLA: 40 ~ (15.18 ~ 25.88)



Cut	Fill	Cut	Fill
4	57		
		13	191
3	46		
		17	133
6	26		
		35	78
13	16		
		32	38
17	19		
		26	26
16	15		
		44	65
8	20		
		23	0
Sta 802+77.19	12	0	

Excavation @ 1.4 Cu. Yds.
Embankment 1.33 Cu. Yds.
Emb. +20% 1.20 Cu. Yds.

CROSS SECTIONS STA 803 to STA 808+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-1 FG-556-1 F-16-2	POST WAR

83
727

CLARK COUNTY
CLA. 40 — (15.18-23.88)

End Area Cu. Yds			
Cut	Fill	Cut	Fill
		107	80
		443	319
		132	92
		593	335
		188	89
		791	315
		239	81
		1072	257
		340	58
		505	197
		1	75
		89	412
		11	293
		Sta. 808+00	4 57

Excavation 3080 Cu. Yd.
Embankment 1373 Cu. Yd.
Emb. +20% 1648 Cu. Yd.

42 4 2 38 — 10% — 1020.28 — **814+00** — 1019.53

59 3 2 33 — 127 — 1019.50 — **813+00** — 1018.72

48 11 1 41 — 176 — 1018.20 — **812+00** — 1017.49

52 2 4 29 — 233 — 1016.39 — **811+00** — 1016.01

34 4 2 24 — 334 — 1014.23 — **810+00** — 1014.62

Prop. Street Grade — 27 — 1 — 58 — Prop. Street Grade — 1014.29 — **809+20** — 1013.81

Approach L&R Sta. 808+94.95

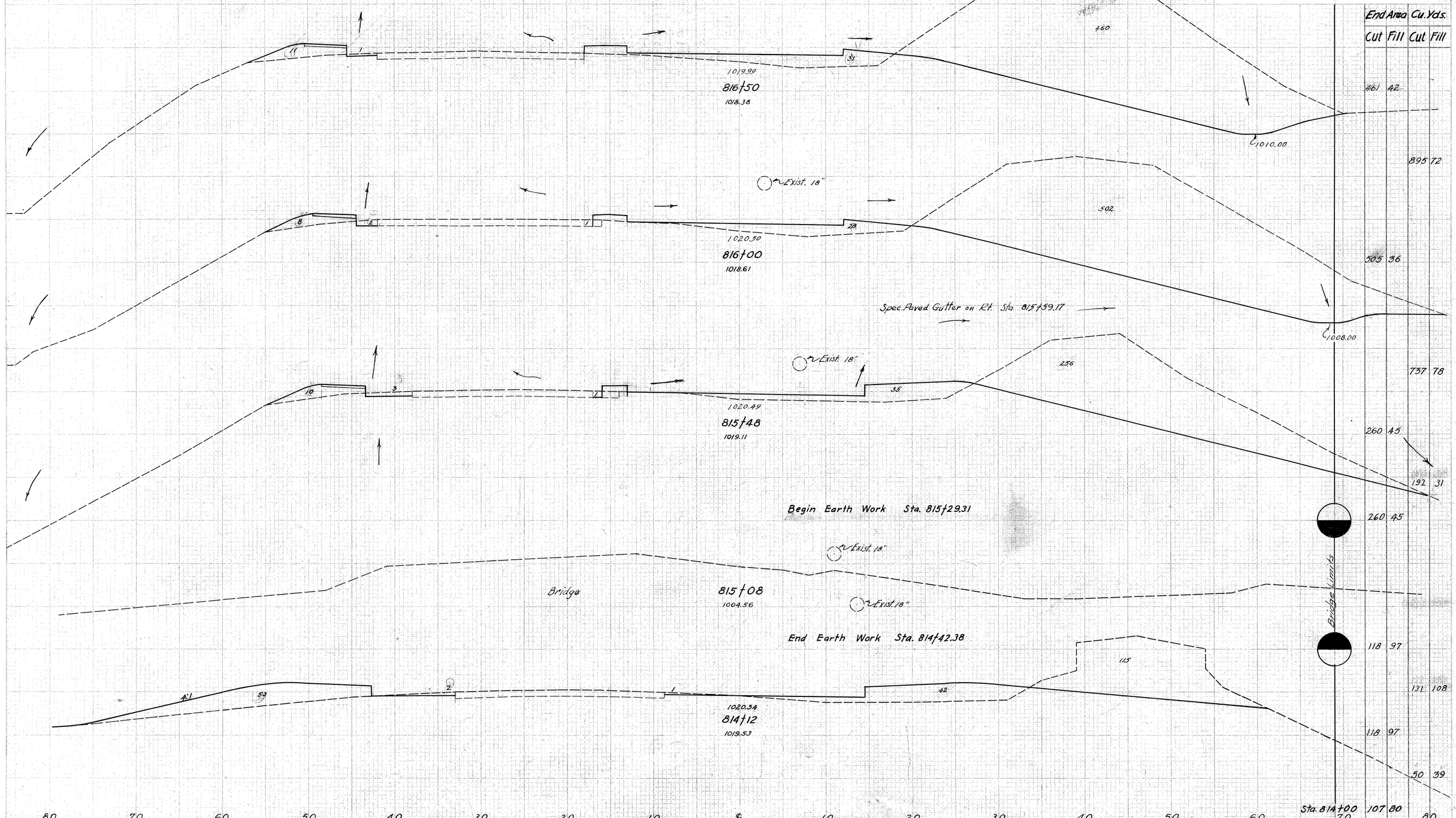
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70

CROSS SECTIONS STA. 809+20 TO STA. 814+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-536-7 FG-536-7 F-16-2	POST WAR

84
227

CLARK COUNTY
CLA. 40 — (15.18-23.88)



CROSS SECTIONS STA 814+12 to STA 816+50

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-386-7 FG-456-7 F-16-2	POST WAR

85
227

CLARK COUNTY
CLA. 40 — (15.18 - 23.88)

End Area Cu. Yds.			
Cut	Fill	Cut	Fill
		2	535
261	59		
		1693	196
653	47		
		2246	161
560	40		
		2080	152
563	42		
		1998	172
516	51		
		904	86
Sta. 816+50	461	42	

Excavation 9032 Cu. Yds.
Embankment 754 Cu. Yds.
Emb. 120 % 905 Cu. Yds.

Approach Right Sta. 821+76.42

10 — 7 — 18 — 1018.60 — 821+00 — 1016.72 — Exist. 18" V.S.P.

259 — 1012.2 — 1.0%

651 — 0.5%

7 — 10 — 1018.24 — 820+00 — 1018.67 — Sta. 819+69 Place Std. No. 3A. C.B. in each Curb line

819+69 Culvert

Exist. 18" V.S.P. — 1.50 Place C.B.

1011.90

558

6 — 34 — 1018.04 — 1018.28 — 819+00 — 1015.52 — Exist. 18" V.S.P.

1011.6

561 — 0.5%

9 — 33 — 1018.66 — Std. No. 3A. C.B. +00 — 1018.72 — 818+00 — 1015.88 — Prop. 12" Storm Sewer?

1011.30

Exist. 18" V.S.P.

11 — 39 — 1019.54 — 817+00 — 1017.28

315 — 0.5%

1011.0

Exist. 18" V.S.P.

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 817+00 TO STA. 821+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

86
227

CLARK COUNTY
CLA. 40 ~ (15.18~23.88)

1028.54
826+00
1039.85
572

1023.84 — 8 — 1023.84
1024.0

1025.52
825+00
1037.70
565

4.0%

1023.47 Inlet Elev.
6
F.L. 1020.93
1020.82 — 8 — 1020.82
1020.0
Exist C.B. and End Exist. 18" Pipe Sta. 825+05
No Work Req.

1022.89
824+00
1033.00
639

2.5%

Exist. 18" V.S.P. To Remain
1018.41 — 8 — 1018.41
1017.5

1020.77
823+00
1028.70
626

2.5%

Connect Prop. 6" Underdrain to existing 18" V.S.P.
Using 18" X 6" Wye Lt. Sta. 822+92
1016.00 — 8 — 1016.00
Prop. 6" Pipe Underdrain Outlet
1015.50
1015.0
Place Std. 1-8 C.B. NO 1-2 A 26 Ft Lt. Sta. 822+50
Connect to Exist. 18" V.S.P. Using 3 Ft. 12" Pipe & 18"X12" Tee
Begin Pipe Underdrain on Lt. Sta. 822+74
on Lt.
End Curb & Sidwalk at Drive to County T.B. Hospital
Prop. Cross-Over Grade - 1.6%
Begin 4" SS-112 Sub-base Sta. 823+00
105
Street Approach

1019.37
822+00
1016.51
Exist. 18" V.S.P. To Remain
Exist. 24" V.S.P.

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	584	1		
			2157	2
	581	0		
			2293	4
			657	2
			2404	13
Ahead	641	5		
Back	631	5		
			1169	204
	0	105		
	483	304		
Sta. 821+00	261	59		

Excavation 16,006 Cu.Yds.
Embankment 2,376 Cu.Yds.
Emb. ±20 % 2,951 Cu.Yds.

CROSS SECTIONS STA. 822+00 to STA. 826+00

FED. NO. SYMBOL	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

87
227

CLARK COUNTY
CLA. 40 — (15.18 - 23.88)

End Area Cu. Yds.			
Cut	Fill	Cut	Fill
97	199		
		467	776
155	220		
		683	780
250	243		
		795	650
315	219		
378	60		
		406	137
349	5		
		1554	17
490	4		
		1989	9
Sta. 826+00	584	1	

1043.64
831+00
1045.74
1038.95
1038.95
1037.50
1040.41
162
4:1
4:1
13
70 80 90 100

1040.62
830+00
1044.64
1035.93
1035.93
1036.00
1038.34
189
3:1
3:1
6
70 80 90 100

1037.87
829+09
1044.72
1035.58
828+33
1043.5
1033.18
1033.18
1034.00
1036.76
231
Sta. 828+36 Prop Cross-Over Grade +4.0%
Sta. 828+36 Prop. Cross Over +0.7%
Approach Left Sta. 828+36

1034.58
828+00
1043.05
1030.88
1030.88
1032.50
212

End Riprap on Rt. Sta. 828+02
1029.89
1029.88
24
1027.50
Riprap
Begin Riprap on Rt. Sta. 827+92

1031.56
827+00
1041.65
1026.87
1026.87
1025.73

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 827+00 TO STA. 831+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 PG-376-7 F-16-7	POST WAR

88
227

CLARK COUNTY
CLA. 40 — (15.18 – 23.88)

End Area Cu. Yds.			
Cut	Fill	Cut	Fill
512	20		
		2011	83
574	25		
		2004	94
508	26		
		749	25
270	0		
		311	163
		80	183
		339	643
103	164		
		370	672
Sta. 831+00		97	199

House
1062.27
1061.43
1058.74
836+00
1063.80
1054.05
1054.05
57
19
428
16
70
80
90
100

House Porch
1059.60
1053.72
835+00
1057.25
1051.03
1051.03
34
11
8
14
454
A:1
69
70

House
1053.26
1052.70
834+00
1055.14
1048.01
1048.01
1
26
65
353
1039.6
79
70
80
90
100

Prop. Cross-Over Grade + 6.9%
Prop. Cross-Over Grade +5.0%
1033.00
1051.13
833+48 Pr. & Rt. & Lt.
1052.24
1046.44
1046.44
Prop. 18" Pipe
Prop. 18" Pipe
237
45
A:1
11
1050.77
70
80
90
100

1049.68
833+00
1050.04
1044.89
1044.89
78
52
4:1
81
House Porch
4:1
5
1048.03

53
93
1046.66
832+00
1046.54
1041.87
1041.87
35
1045.32
64
11
4:1
1042.04
1038.93

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 832+00 to STA. 836+00

FED. NO. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-536-7 FG-536-7 F-16-7	POST WAR

89
227

CLARK COUNTY
CLA. 40 — (15.18-23.88)

End Area Cu. Yds.
Cut Fill Cut Fill

841+00
1073.73
1069.92

840+00
1070.82
1068.62

End 4" SS-112 Sub-Base Sta. 839+90

End Underdrain Lt. Sta. 839+90

End Underdrain Rt. Sta. 839+90

839+00
1067.80
1069.78
1063.11
1063.11

838+00
1064.78
1066.41
1060.09
1060.09

837+00
1061.76
1064.60
1057.01
1057.07

1070.65
1067.77
1065.65
1064.27
1063.27

Excavation 9,618 Cu. Yds.
Embankment 5228 Cu. Yds.
Emb. F.20 % 6274 Cu. Yds.

Porch
House
Porch
House

45 596
215 1995
71 481
400 1391
145 270
550 778
152 150
824 422
293 78
1491 181

Sta. 836+00 512 20

CROSS SECTIONS STA. 837+00 TO STA. 841+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-2 R.-1.C.-2	POST WAR

90
227

CLARK COUNTY
CLA. 40 — (15.18-23.88)

Concrete Collar
Exist 2'x2'x58' Conc. Box
Prop. 24" Pipe F.L. El. 1080.90
Std. J-8 No. 1 Manhole 69' Lt. Sta. 843+78
F.L. El. 1078.00
Prop. 12" Pipe S.S.
Begin 12" Pipe S.S. 31' Lt. Sta. 843+43 F.L. El. 1077.49

1084.91
846+00
1077.27
665
709
1083.12
845+00
1075.64
1078.80
760
1081.11
844+00
1072.04
1076.50
792
1078.87
843+00
1070.44
648
1076.41
842+00
1072.82

249
1090.27
55 70 80 90 100
1086.27
140
1082.27
45
1078.27
34
1074.27
71

12' 80 90
14' 80 90 2

End Area Cu. Yds.

Cut	Fill	Cut	Fill
		250	665
		741	2545
		150	709
		381	2726
		56	763
		198	2880
		51	792
		241	2671
		79	650
		230	2308
		Sta. 841+00 45	596

Excavation 5693 Cu.Yds.
Embankment 23447 Cu.Yds.
Emb. ÷ 20 % 28136 Cu.Yds.

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 842+00 TO STA. 846+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-256-7 F-16-7	POST WAR

91
727

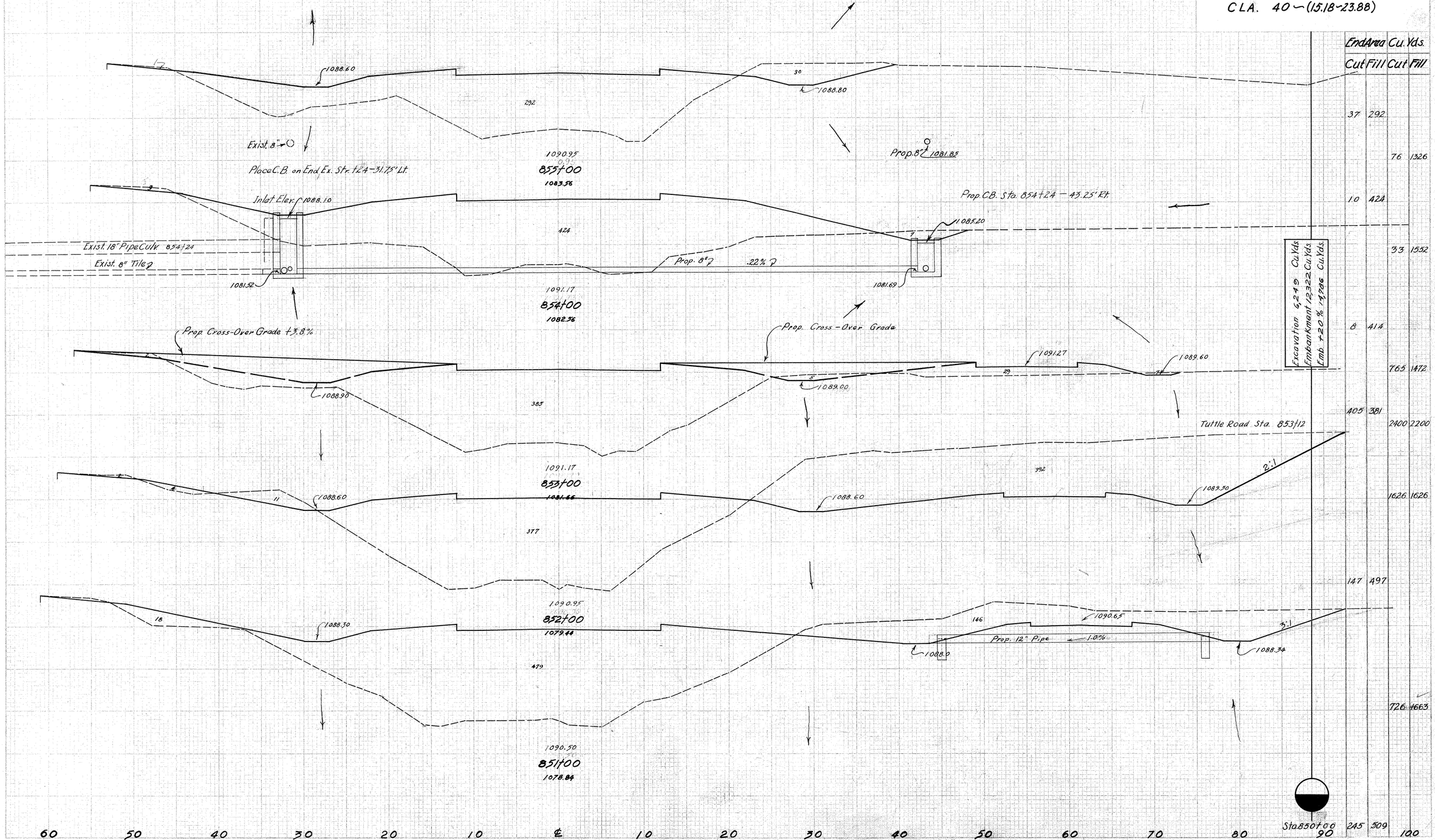
CLARK COUNTY
CLA. 40 — (15.18 - 23.88)

CROSS SECTIONS STA 847+00 to STA 850+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-526-7 FS-526-7 F-142	POST WAR

92
227

CLARK COUNTY
CLA. 40 – (15.18-23.88)



	End Area Cu. Yds.	
	Cut	Fill
37	292	
76	1326	
10	424	
33	1552	
8	414	
	765	1472
405	381	
	2400	2200
	1626	1626
147	497	
	726	1663
245	509	
	100	

Excavation 6,249 Cu. Yds.
Embankment 12,322 Cu. Yds.
Emb. +20% 14,786 Cu. Yds.

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90

CROSS SECTIONS STA. 851+00 TO STA. 855+00

FED. NO. DIST. NO.	STATE	PROJECT	TYPE FUND	93
		F-55(7) FG-55(7) F-16(2)	POST WAR	227

CLARK COUNTY
CLA. 40 — (15.18-23.88)

Prop. 15" Pipe Culv. to Drain Median ±40

1087.70
861+00
1085.04
159
1082.00

1088.26
860+00
1085.91
8
9
50
10
1086.00

Prop. Drive Grade ±6.0%

1088.67
859+27 D.R. Rt.
1088.31
66
23
1086.75

1088.82
859+00
1086.95
2
4
15
28
68
1086.5

1089.30
858+15
1084.35
228
1086.00

Std. I-8 No. 12A C.B. 43.23' Rt.
Sta. 857+07.3 ±
Inlet Elev. 1084.00

1087.70
1089.94
857+00
1084.90
36
216
6
1084.00
1082.31
Exist. 8" ?

1088.00
1088.20
233
11
Exist. 8"

1090.50
856+00
1084.40
Prop. 8"
1082.07

Sta.	End Area Cut	End Area Fill	Cu. Yd. Cut	Cu. Yd. Fill
7	174			
			50	430
20	58			
			147	78
89	0			
			87	16
85	32			
			146	409
8	228			
			5	131
8	242			
			98	880
45	233			
			141	972
Sta. 855+00	37	292		

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90

CROSS SECTIONS STA. 856+00 to STA. 861+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

94
227

CLARK COUNTY
CLA. 40 — (15.18-23.88)

End Area Cu. Yds.			
Cut	Fill	Cut	Fill
102	5		
		430	26
130	9		
		617	20
203	2		
		221	1
158	0		
		249	25
43	20		
		73	27
35	8		
		43	163
12	172		
		68	9
		35	641
Sta. 861+00	7	174	

Excavation 3295 Cu. Yds.
Embankment 1420 Cu. Yds.
Emb. +20% 1788 Cu. Yds.

1084.70
866+00
1084.39
Exist. 5" F.T.

1085.36
865+00
1084.93
Exist. 5" F.T.

F.L. El. 1080.26 End Prop. 12", 40' Rt. Sta. 865+00

HOUSE

1085.99
864+00
1085.64
Exist. 5" F.T.

Prop. 12"
F.L. El. 1080.36
Prop. Drive Grade +10.0%

1086.39
863+67 Dr. Rt.
1086.62

Place 1-8 Std. S.D. Inlet No. 1 28.5' Rt. Sta. 863+51 Inlet Elev. 1084.50

Sta. 862+72 Prop. Dr. Grade +1.0%
Prop. 12" F.L. El. 1080.66

1086.38
863+00
1085.37
Exist. 5" F.T.

Prop. 12"
F.L. El. 1080.86

Place 1-8 Std. S.D. Inlet No. 1 - 28.5' Rt. Sta. 862+60 Inlet Elev. 1085.00

Begin 4" SS - 112 Sub - Base Sta. 862+50

Prop. Drive Grade 0.0%

1086.87
862+49 Dr. Rt.
1085.59
Exist. 5" F.T.

Prop. 12"
1081.01

Approach Left Sta. 862+16.84

Begin 12" Pipe 43' Rt. Sta. 862+26

1087.14
862+00
1084.11
Exist. 5" F.T.
Sta. 862+09

Exist. 5" F.T. 218' Lt. Sta. 861+99
Elev. 1081.36

1081.16
Exist. 5" F.T. 40' Rt. Sta. 861+53
Elev. 1081.33

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 862+00 TO STA. 866+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-9 FA-356-7 F-1C-2	POST WAR

95
227

CLARK COUNTY
CLA 40 — (15.18-23.88)

Structure Sta. 871+43±

End Exist. 5" F.T. 35' Lt. Sta. 870+35
Remove Exist. 5" Tile Sta. 870+00 To 870+35

Cross Over Sta. 870+

Approach Left 870+42.2

Inlet Elev. 1089.50
Exist 5" F.T.
+60 Prop. 15" Pipe
F.L. Elev. 1088.00
Connect Exist. 5" Tile to C. Basin Using 10', 6" Pipe

Exist 5" F.T.

Exist. 5" F.T.

Exist. 5" F.T.

Exist. 5" F.T.

Prop. Drive Grade +2.0%

Prop. 12"

	End Area Cu. Yds.	
	Cut	Fill
Sta. 866+00	102	5
	95	8
	147	0
	105	5
	78	16
	143	23
	29	107
	320	44
	273	9
	182	4
	383	19
	409	72
	319	241
	42	61

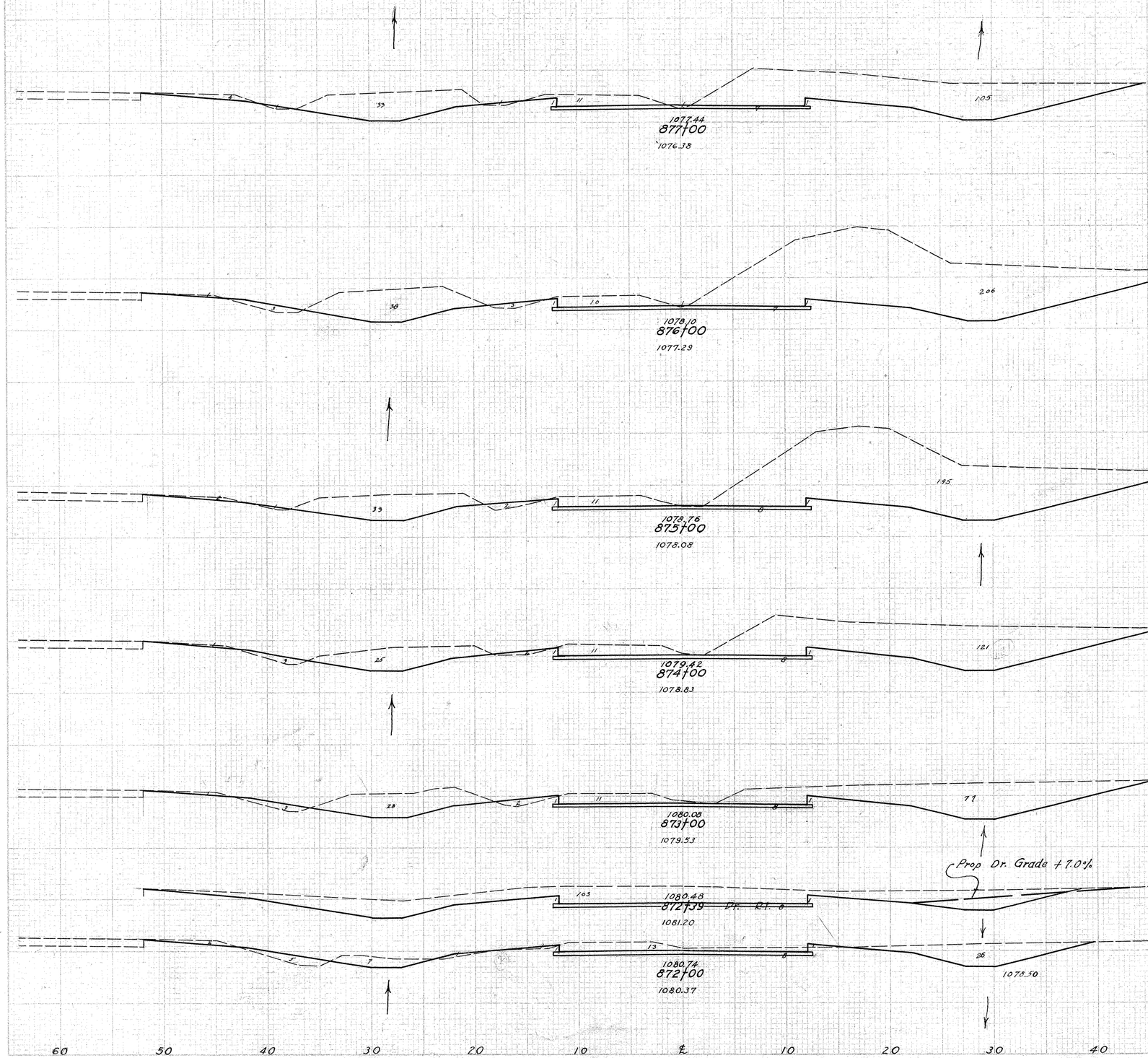
60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA 867+00 To STA 871+00

FED. NO. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-14-2	POST WAR

96
227

CLARK COUNTY
CLA. 40 – (15.18–23.88)



Sta.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
	162	3		
			789	19
	264	7		
			954	19
	251	3		
			776	17
	168	6		
			550	20
	129	5		
			273	5
	113	0		
			123	6
	57	8		
			159	213
Sta. 871+00	29	107		

Excavation 3752 Cu. Yds.
Embankment 1422 Cu. Yds.
Emb. +20 % 284 Cu. Yds.

CROSS SECTIONS STA 872+00 to STA 877+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-2 F-16-2	POST WAR

97
227

CLARK COUNTY
CLA 40 ~ (15.18 ~ 23.88)

End Area Cu. Yds.

Cut	Fill	Cut	Fill
70	74		
		320	156
103	10		
		150	4
265	0		
		100	50
		607	5
		156	4
		591	13
163	3		
		439	24
74	10		
		437	24
Sta. 877+00		162	3

1074.14
882+00
1073.14

1070.00

End Prop 18" Pipe S.S. Rt. Sta. 881+30

1074.80
881+00
1075.58

1070.91 F.L. Prop. 18"

Prop. Cross-Over Grade + 0.4 %

Prop. Approach on Rt. Grade + 2.0 % ±

Bird Road

1074.95
880+78 ℄ Bird Rd.
1076.59

1071.06 F.L. Prop. 18"

1072.50

Prop. 18" Pipe Culv. Sta. 879+83

1075.46
880+00
1074.79

1071.80

1071.61 F.L. Prop 18"

Begin Prop. 18" Pipe S.S. Rt. Sta. 879+90

1076.12
879+00
1074.97

1076.78
878+00
1075.63

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA 878+00 TO STA 882+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

98
727

CLARK COUNTY
CLA 40 ~(15.18-23.88)

Inlet on Structure Sta. 887+40±

1067.70
5.0
1070.84
887+00
1067.20
2.4.0
1062.50

1069.00
1.9.5
1071.50
886+00
1067.68
10.66.00

1070.00
1.7
4.5
1072.23
885+10
1070.57
20
1067.95

Prop. Drive Grade 0.0%
3.7
1.2
5.3
1072.25
884+87 Dr. Rt.
1071.98
1068.06 Prop. 18"

3.9
1.2
9.2
1072.82
884+00
1070.07
2.7
1068.50

End 4"SSH2 Sub-base Sta. 883+00

2.5
6.1
Back Only
1073.48
883+00
1072.66
20
1069.00

	End Area Cu. Yds.	
	Cut	Fill
	9	290
		37 898
	11	195
		55 433
	22	65
		53 29
	102	4
		229 218
	40	131
		159 689
Ahead	46	70
Back	51	70
		215 267
		224 267
Sta. 882+00	70	74

Excavation 2330 Cu. Yds.
Embankment 4694 Cu. Yds.
Emb. +20% 5621 Cu. Yds.

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 883+00 TO STA 887+00

FED. HIGHWAY DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FB-336-2 F-16-2	POST WAR

99
227

CLARK COUNTY
CLA. 40 — (15.18-23.88)

End Area		Cu. Yd.	
Cut	Fill	Cut	Fill
		308	0
		944	6
		202	3
		481	13
Ahead		58	4
Back		50	4
		100	89
		4	44
		23	114
		20	72
		2.5	339
		9	318
		33	1126
Sta. 887+00		9	290

Prop. Dr. Grade + 10.0%

1067.54 298
892+00 Dr. Rt.
1070.03

3:1

Prop 12

1068.20 191
891+00
1068.86

3:1

Prop. Cross-Over Grade. — 0.8%

Prop 12"

Prop. Dr Grade + 1.0%

℄ Ahead Only 1068.86
890+00 Dr. Rt.
1068.28

Begin 4" SS-112 Sub-base Sta. 890+00

1067.00 1069.52
889+00
1068.12

1067.50 1069.87
888+47 Dr. Rt.
1067.97

Prop. Drive Grade — 10.0%

1067.00 278 1068.60
1070.18
888+00
1064.85

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 888+00 TO STA 892+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

100
227

CLARK COUNTY
CLA. 40 — (15.18 - 23.88)

End Area Cu. Yd.	
Cut	Fill
27	133
137	376
47	70
537	130
243	0
1280	6
448	3
1461	111
341	3
1202	6
Sta. 892+00 308	0

Excavation 6,351 Cu. Yds.
Embankment 2,344 Cu. Yds.
Emb. +20 % 2,345 Cu. Yds.

1064.24
897+00
1061.91

1064.90
896+00
1063.12

End 4" SS-112 Sub-base Sta. 895+50

Prop. Drive Grade +10.0%

Add for Drive

1065.56
895+00 Dr. Rt.
1067.26

Prop. 12"

Prop 12"

1066.22
894+00
1071.19

1066.83
893+00
1069.11

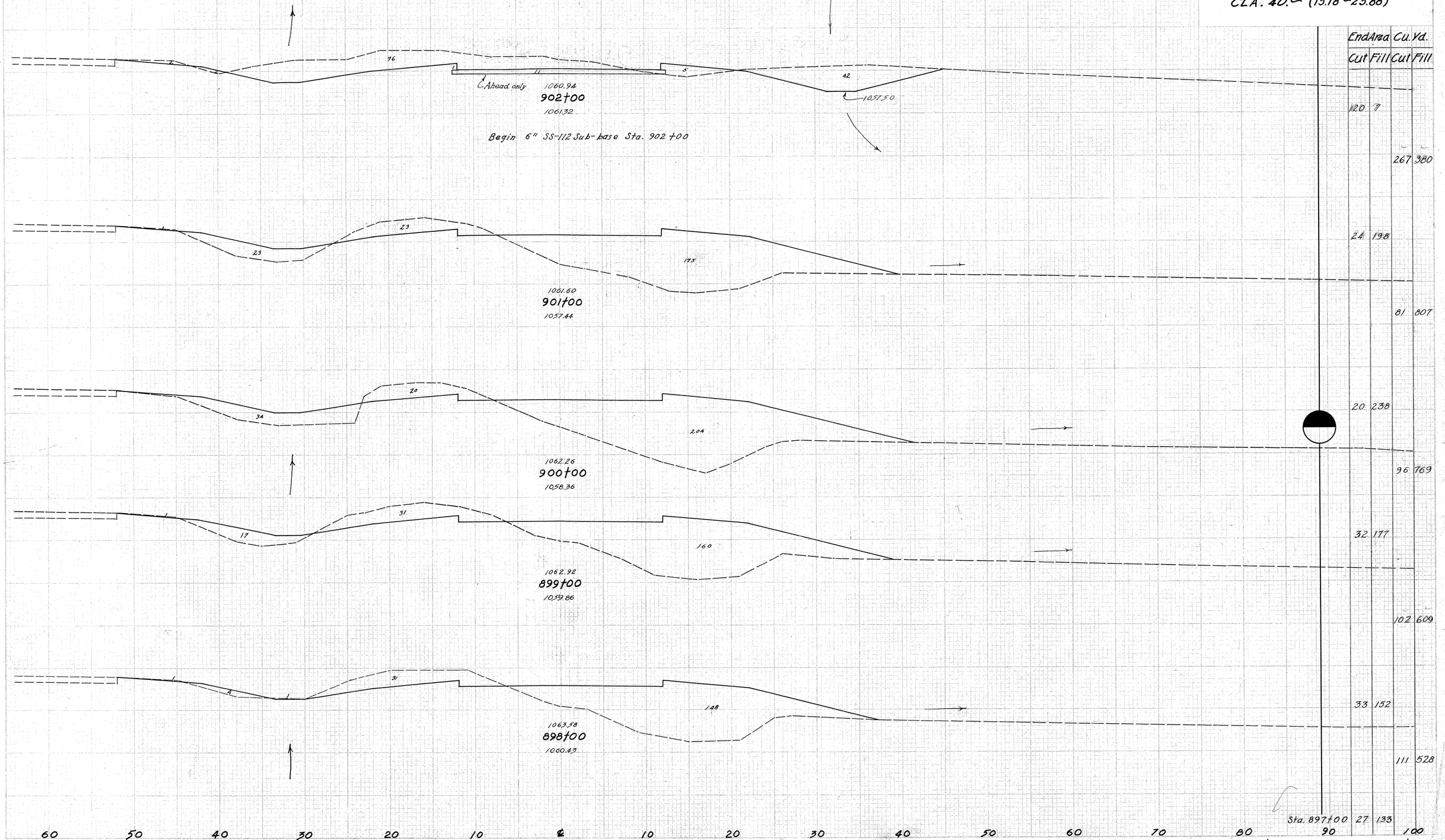
60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 893+00 to STA. 897+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FS-556-7 F-16-2	POST WAR

101
227

CLARK COUNTY
CLA. 40.– (15.18 – 23.88)



CROSS SECTIONS STA. 898+00 TO STA. 902+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-2 FG-356-2 F-16-2	POST WAR

102
227

CLARK COUNTY
CLA. 40 – (15.18 – 23.88)

End Area Cu. Yd.			
Cut	Fill	Cut	Fill
89	6		
		363	22
107	6		
		374	65
95	29		
		356	100
97	26		
		100	11
148	2		
		517	15
210	10		
		611	31
Sta. 902+00	120	7	100

Excavation 3616 Cu. Yds.
Embankment 1578 Cu. Yds.
Emb. +20% 1894 Cu. Yds.

1058.00
907+00
1057.46

1054.20

1058.50
906+00
1058.24

1054.60

End Prop. 12" Pipe S. Sewer Rt. Sta. 905+96

905+73 Prop. Dr. Grade -2.0%

Begin Prop. 12" Pipe S. Sewer Rt. Sta. 905+38

Prop. 12" ∫

1055.00

1059.05
905+00
1058.17

1059.64
904+00
1058.80

Prop. Drive Grade +0.7%

1059.78
903+78 Dr. Rt.
1060.60

1058.50

1060.28
903+00
1061.87

1058.00

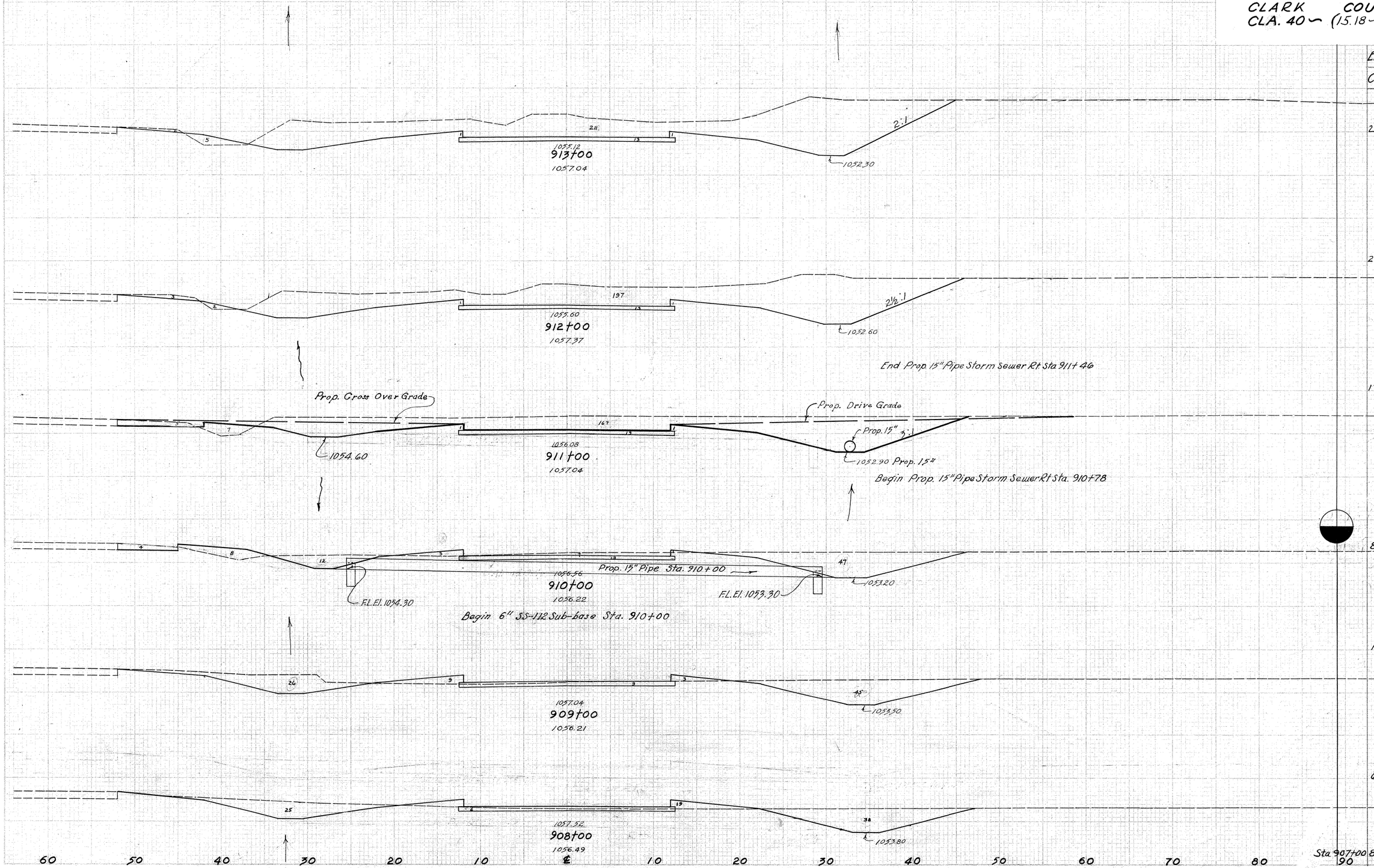
60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90

CROSS SECTIONS STA 903+00 to STA 907+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-14-2	POST WAR

103
227

CLARK COUNTY
CLA. 40 ~ (15.18 – 23.88)



Sta	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
	228	5		
			826	13
	218	2		
			722	19
	172	8		
			474	37
	84	12		
			341	44
	100	12		
			313	57
	69	19		
			293	46
Sta 907+00	89	6		

CROSS SECTIONS STA 908+00 TO STA. 913+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-552-7 F-16-2	POST WAR

104
227

CLARK COUNTY
CLA. 40 — (15.18-23.88)

Ex 2.5' x 2.5' Box Sta 917+61.7

Ex. 24" V.S.P

1052.72
918+00
1048.54

1042.00

1053.20
917+00
1048.99

1043.50

End 6" SS-112 Sub-base Sta. 915+70

1053.68
916+00
1050.91

1049.40

1054.16
915+00
1054.43

1051.70

Prop. Drive Grade +10.0%

1054.30
914+70 Dr. Rt.
1055.96

1051.19 Prop. 18"

1054.64
914+00
1054.16

1052.00

Excavation 4,998 Cu.Yds.
Embankment 3,190 Cu.Yds.
Emb. +20 % 3828 Cu.Yds.

Sta.	End Area Cu. Yds. Cut	Fill	Cut	Fill
			39	348
			130	1228
			31	315
			141	744
			45	87
			428	183
			186	12
			242	6
			265	0
			647	4
			227	3
			873	15
Sta. 913+00			228	5

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 914+00 TO STA. 918+00

FED. RD. DIV.NO.	STATE	PROJECT	TYPE FUND
2	OHIO	FG-356-7 F-16-2	POST WAR

105
227

CLARK COUNTY
CLA. 40 — (15.18 - 23.88)

923+00
1050.32
1051.37
109
4
13
50

922+00
1050.80
1051.40
101
6
13
58

921+00
1051.28
1053.23
203
5
13

920+74
1051.41
1053.17
212
13

920+00
1051.76
1052.44
84
3
9
11
44
℄ 1049.00

Prop. Drive Grade +7.0% (920/62)

Begin 6" SS-1/2 Sub-base Sta. 919+50

919+00
1052.24
1050.52
45
8
65
12
℄ 1048.50

	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	174	4		
			644	19
	174	6		
			741	20
	226	5		
			218	2
	227	0		
			502	19
	139	14		
			365	161
	58	73		
			180	780
Sta 918+00	39	348		

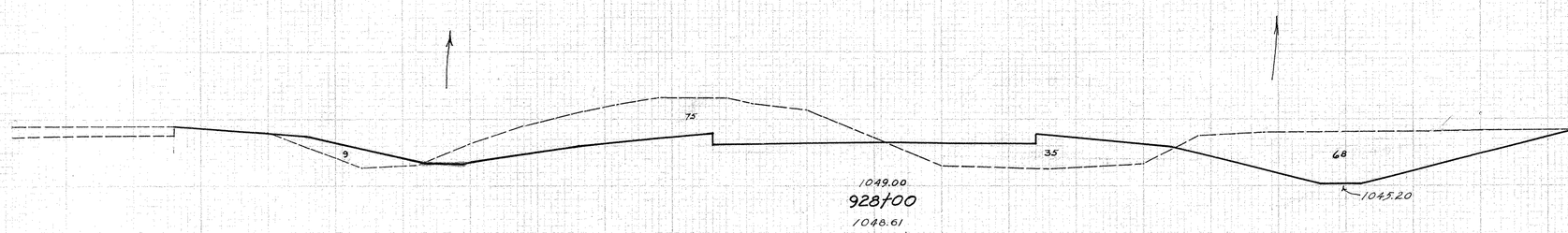
60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 919+00 to STA. 923+00

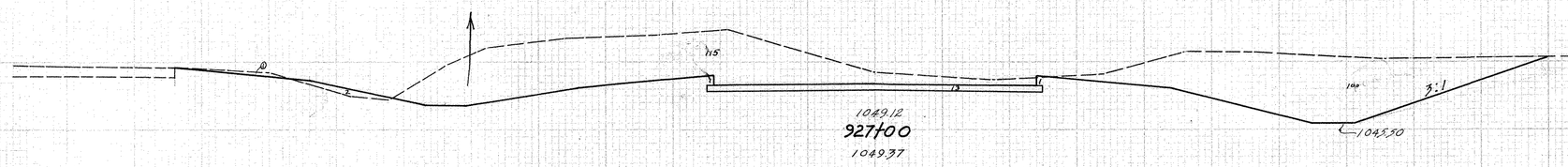
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

106
227

CLARK COUNTY
CLA. 40 — (15.18-23.88)

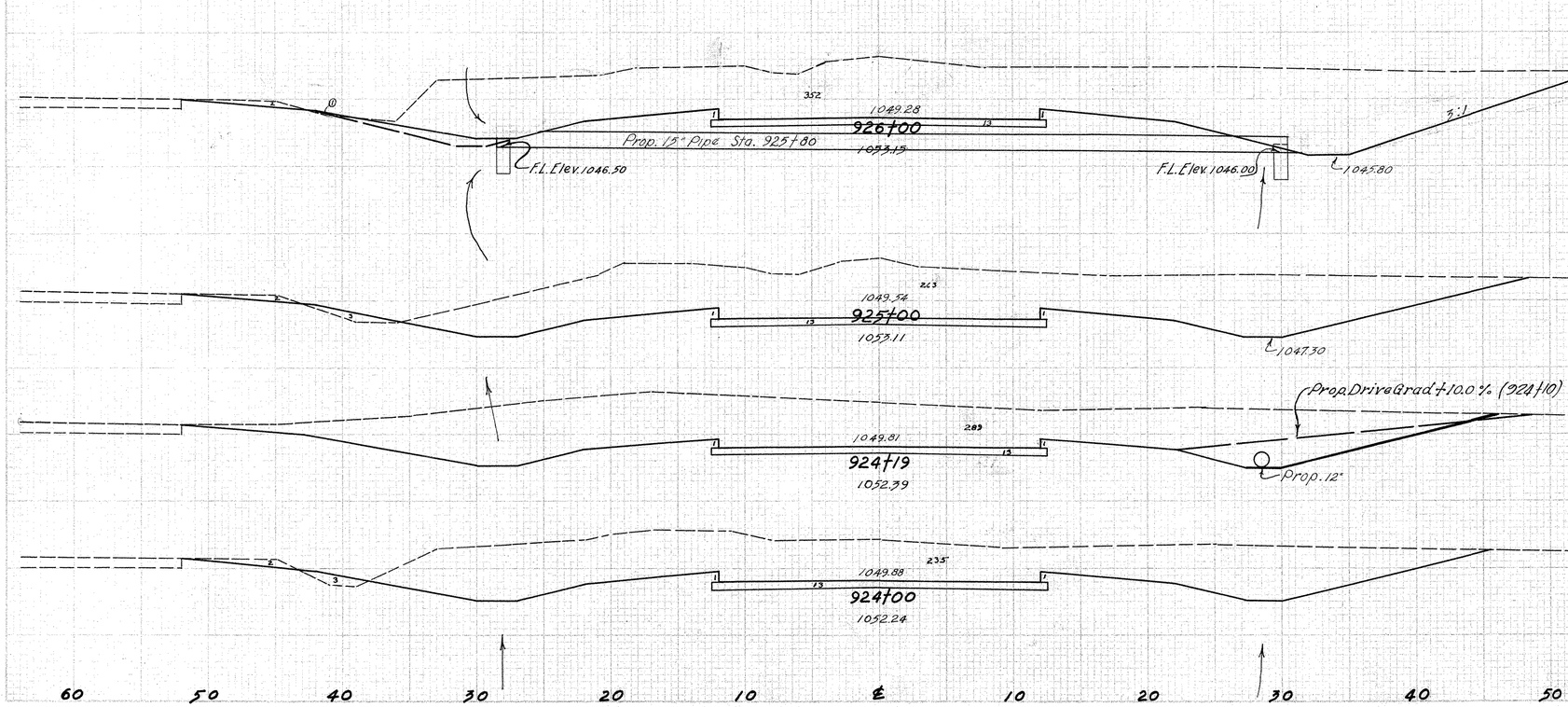


End 6" SS-112 Sub-Base Sta. 927+50



+59 Prop. Cross Over

Approach Left 926+59.7



	End Area Cu. Yds.	
	Cut	Fill
	143	44
	693	85
	231	2
	1111	6
	120	518
	369	1
	1202	7
	280	3
	876	5
	304	0
	136	1
	252	3
	789	13
Sta. 923+00	174	4

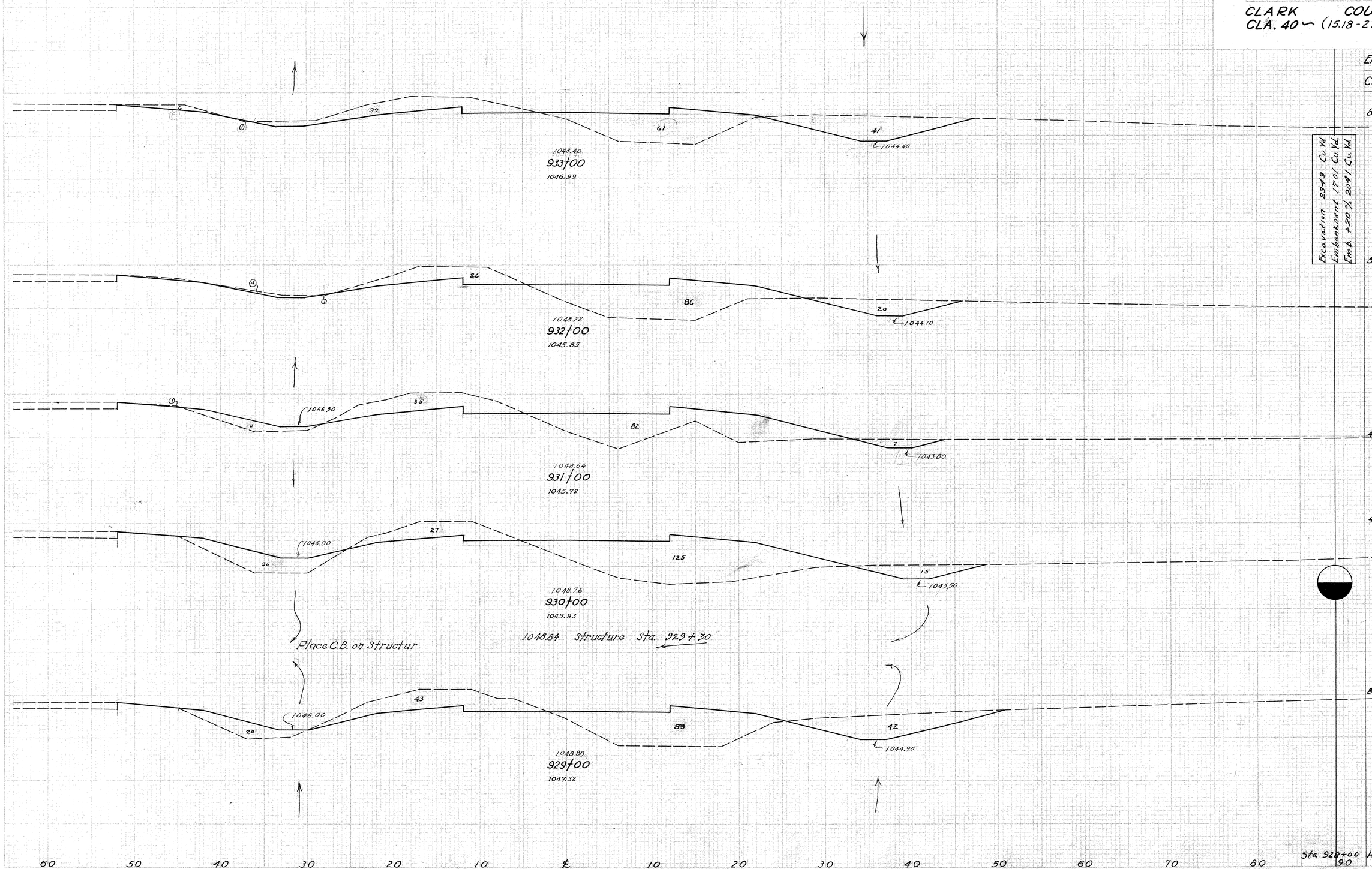
Excavation 7749 Cu. Yd.
Embankment 7445 Cu. Yd.
Emb. + 20 % 1739 Cu. Yd.

CROSS SECTIONS STA. 924+00 TO STA. 928+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

107
227

CLARK COUNTY
CLA. 40 ~ (15.18 - 23.88)



	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	86	62		
			252	276
	50	87		
			172	333
	43	93		
			157	453
	42	155		
			235	478
	85	103		
			422	272
Sta 928+00	143	44		

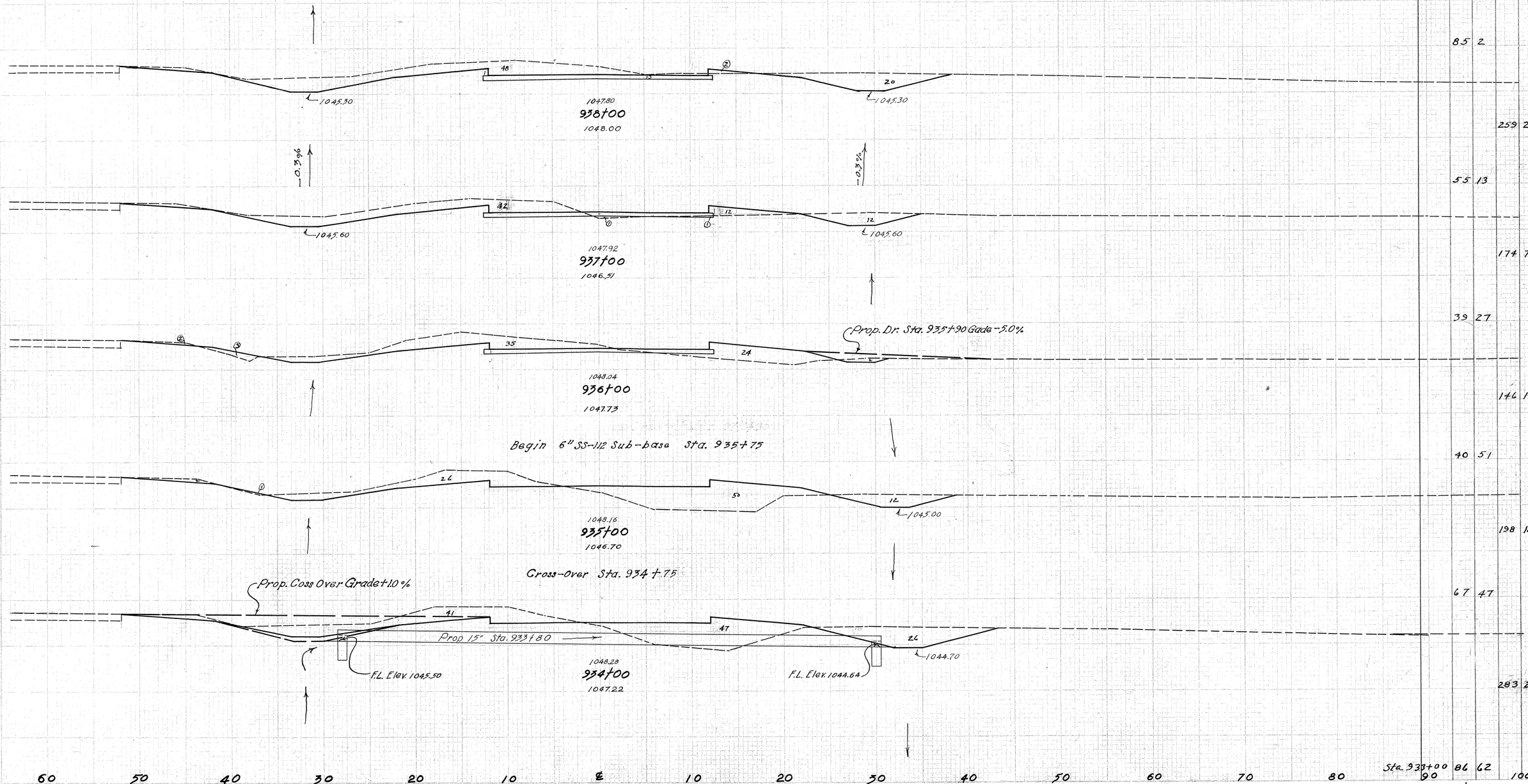
Excavation 2349 Cu. Yd.
Embankment 1701 Cu. Yd.
Emb. + 20 % 2041 Cu. Yd.

CROSS SECTIONS STA. 929+00 to STA. 933+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

108
227

CLARK COUNTY
CLA. 40 — (15.18 - 23.88)



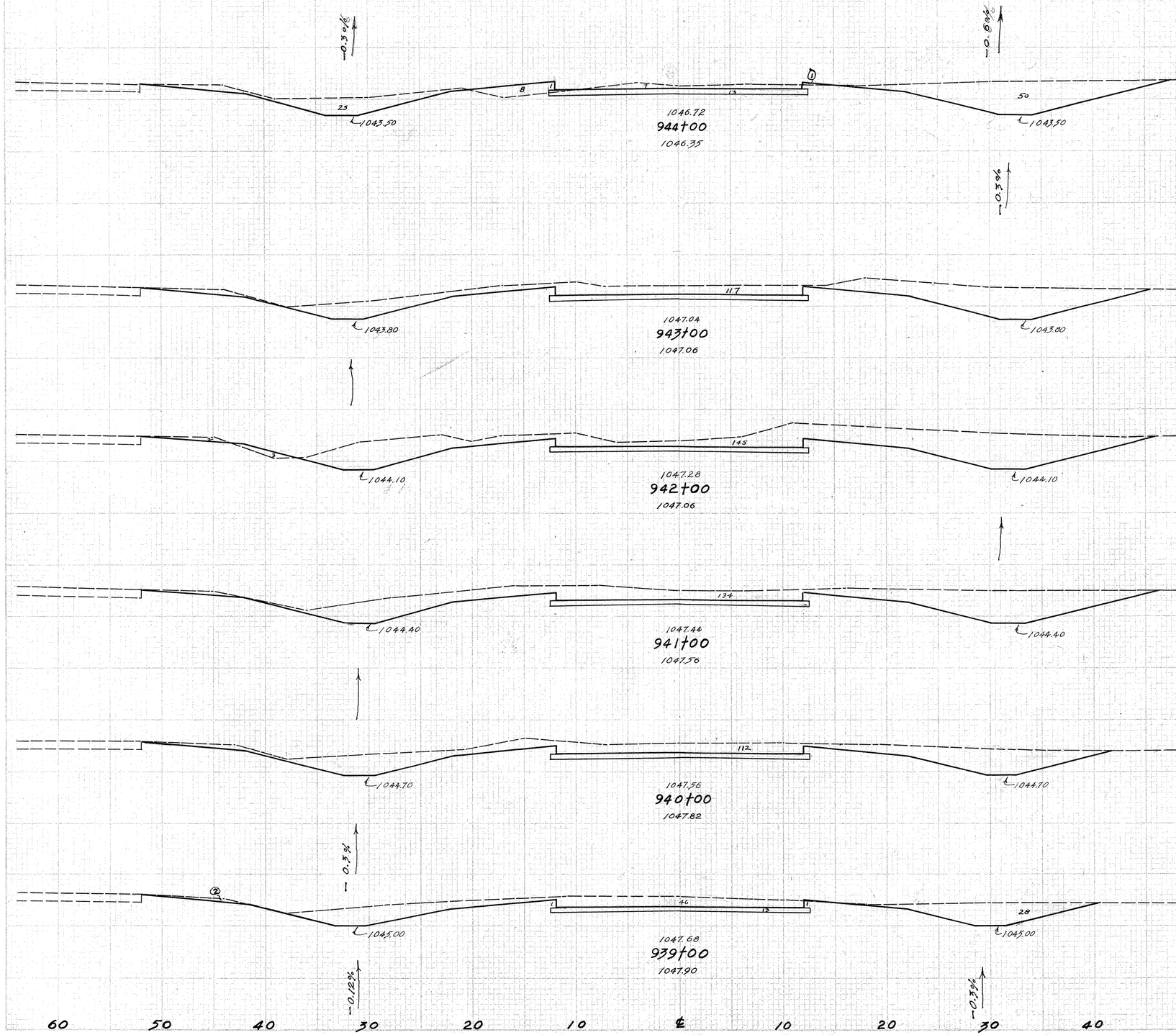
End Area	Cu. Yds.
Cut	Fill
85	2
259	28
55	13
174	74
39	27
146	144
40	51
198	181
67	47
283	282
Sta. 933+00	86 62

CROSS SECTIONS STA. 934+00 TO STA. 938+00

FED. ROAD DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	E-556-7 FG-556-7 F-46-2	POST WAR

109
227

CLARK COUNTY
CLA. 40 ~ (15.18-23.88)



Sta.	End Area Cu. Yds. Cut	Fill	Cut	Fill
95	10			
			393	19
117	0			
			483	6
147	3			
			520	6
134	0			
			456	0
112	0			
			376	
91	0			
			326	4
Sta. 938+00	85	2		

Excavation 1439 Cu Yd
Embankment 127 Cu Yd
Emb. + 20% 152 Cu. Yd.

CROSS SECTIONS STA. 939+00 TO STA. 944+00

FED. AID PROJECT NO.	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FS-556-7 F-16-2	POST WAR

110
227

CLARK COUNTY
CLA. 40 — (15.18 - 23.88)

End Area Cu. Yds.

Cut	Fill	Cut	Fill
		322	2
		1072	7
		257	2
		330	2
		826	6
		496	4
		189	1
		833	6
		239	2
		647	10
		300	50
		129	4
		415	26
		95	10

Excavation 2483 Cu. Yds.
Embankment 1.3 Cu. Yds.
Ends + 20% 22 Cu. Yds.

-0.3%

2:1

322

1044.56
949f00
1046.88

1041.7

1047.70

255

1045.00
948f00
1046.70

1042.3

1042.00

End F-556-7 Rural Begin F-16-2 Rural Sta 947+60

187

1045.44
947f00
1047.03

1043.0

1042.30

237

1045.90
945f95
1047.27

1043.5

1042.61

30' V.C.

+5.0% Prop. Grade Titus Rd.

Titus Road

Prop. Cross-Over Grade - 0.75%

1046.00
945f73 ℄ Titus Rd. Section not used for Quantities
1047.64

25

17

72

1046.32
945f00
1046.41

1043.2

Prop. 15" Sta. 945+05

F.L. Elev. 1043.18

1042.90

1042.90

1042.68 Prop. 18

Sta. 944+00

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 945f00 to STA. 949f00

FED. HWY. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-1(2	POST WAR

111 / 227

CLARK COUNTY
CLA. 40 — (15.18 - 23.88)

End 6" SS-1/2 Sub-base Sta. 953+20

954+00
1042.36
1039.54
61
5
1038.50
68
4
1039.0

953+00
1044.59
105
1042.80
4
1039.10
11
94
3:1
1040.5

952+00
1043.24
1043.88
90
1
3
1039.70
2
117
3:1
1040.8

951+00
1043.68
1045.53
244
2
1040.60
2½:1
1041.1

950+00
1044.12
1046.19
261
1
3
1041.00
2:1
1041.4

-0.3%

Excavation 3013 CuYd
Embankment 4620 CuYd.
Emb. x 20% 3544 CuYd.

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
65	73		
		489	163
199	15		
		754	37
208	5		
		837	17
244	4		
		937	13
262	3		
		1081	9
Sta. 949+00			
322	2		

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 950+00 TO STA. 954+00

FED. AID DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FS-556-7 F-16-2	POST WAR

112
227

CLARK COUNTY
CLA. 40 — (15.18-23.88)

End Area Cu. Yds.	
Cut	Fill
96	273
378	924
108	226
381	783
98	197
348	698
90	180
291	593
67	140
244	394
Sta. 954+00	954+00
65	93

92
15
1036.9
258
4
1035.5
1042.28
959+00
1036.66

92
1
6
1036.5
220
15
1035.0
2 X 3 Conc. Box +67.5
Ex. 18" Corr. M. Pipe +69
1041.79
958+00
1036.28
1034.5 F.L. Prop. Pipe
Place C.B. on Structure
Prop. Structure +67.5

85
1
2
1036.8
195
12
1035.5
1041.57
957+00
1036.41

67
1
5
1037.20
175
22
1035.8
1041.61
956+00
1036.63

67
1
5
1037.7
135
10
1036.1
1041.92
955+00
1037.97

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 955+00 TO STA. 959+00

REG. NO. SYMBOL	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	PRI T WAR

113
227

CLARK COUNTY
CLA. 40 ~ (15.18-23.88)

End 6" SS-112 Sub-base Sta. 964+00

Back only 964+00 1047.00

1042.40 — 24 — 1042.81 1042.81 — 10 — 1042.81 — 75 — 1044.5

Begin 6" SS-112 Sub-base Sta. 962+70

963+00 1046.82

1040.7 — 31 — 1041.66 1041.66 — 13 — 1044.0 — 106

Begin 6" Underdrain Lt. Sta. 962+00

1039.50 — 25 — 1039.2 Outlet for 6" Underdrain

962+00 1040.98

1045.20 — 112 — Outlet for 6" Underdrain 1040.60 — 7 — 1040.5

Begin 6" Underdrain on Rt. Sta. 962+00

End Prop. 15" Pipe Storm Sewer Lt. Sta. 961+17

1038.20 — 74 — 1044.05 — 128 — 1039.5 — 3

961+00

Prop. Cross-Over-Grade = 6.0%

1038.09 Prop. 15" Pipe — 77 — 1043.60 — 960+89 Dr. Rt. 1043.18 — 72 — 1039.11 Prop. 15"

Prop. Drive Grade +1.0%

Begin Prop. 15" Pipe Storm Sewer Lt. Sta. 960+63

1037.3 — 86 — 1043.03 — 264 — 1036.0

960+00 1037.41

	End Area Cu. Yds.			
	Cut	Fill	Cut	Fill
Ahead 101 28				
Back 112 28			4.93	67
	154	8		
			348	335
	34	173		
			217	557
	83	128		
			49	27
	155	2		
			412	441
	95	266		
			354	398
Sta. 959+00	96	273		

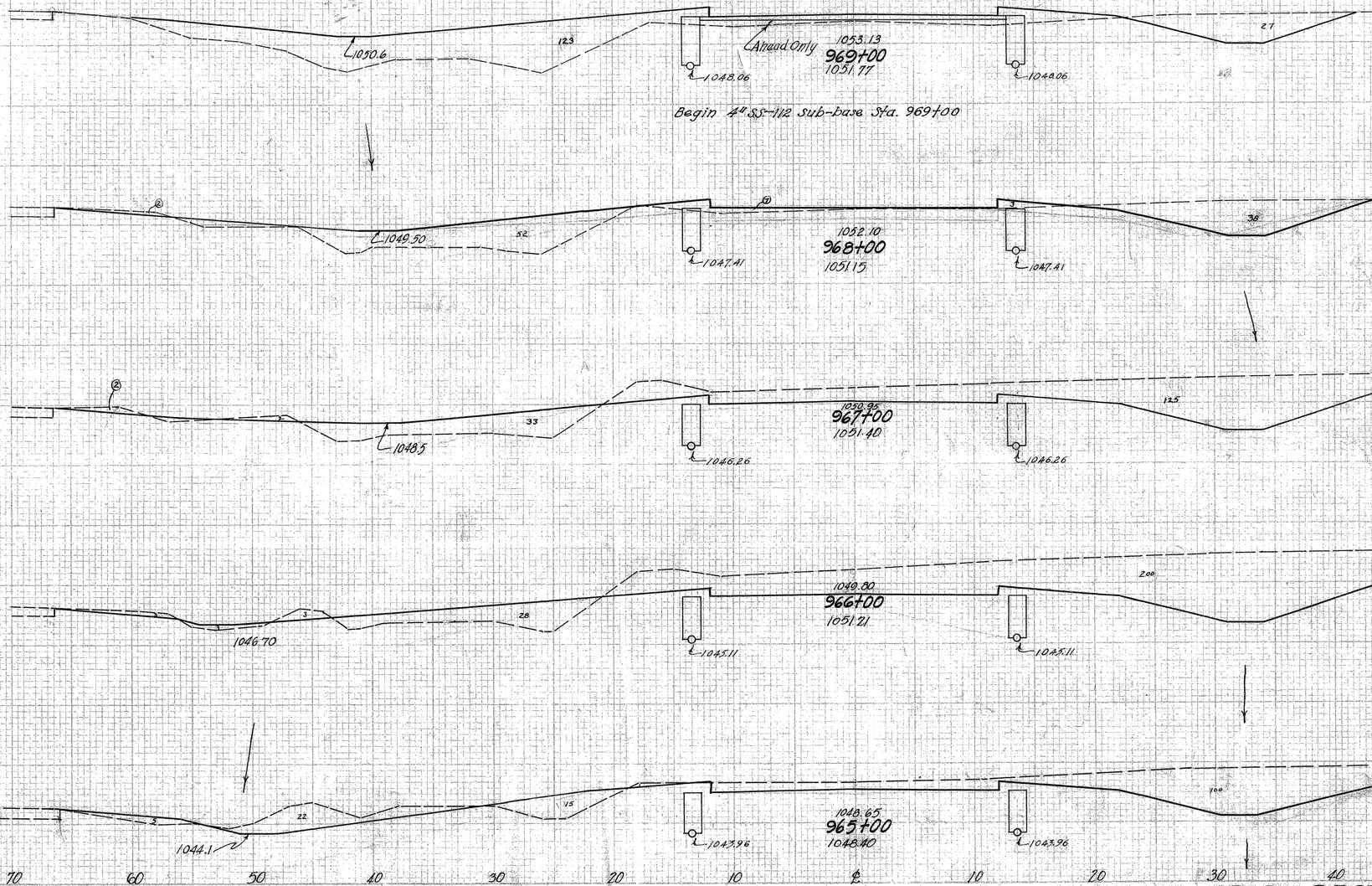
60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90

CROSS SECTIONS STA. 960+00 to STA. 964+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

114
227

CLARK COUNTY
CLA. 40 - 40 - (15.18-23.88)



Ahead	27	134	
Back	27	126	
			124 348
			40 62
			313 178
			132 34
			626 120
			206 31
			603 94
			123 20
			415 89
Sta. 964+00 a			101 28

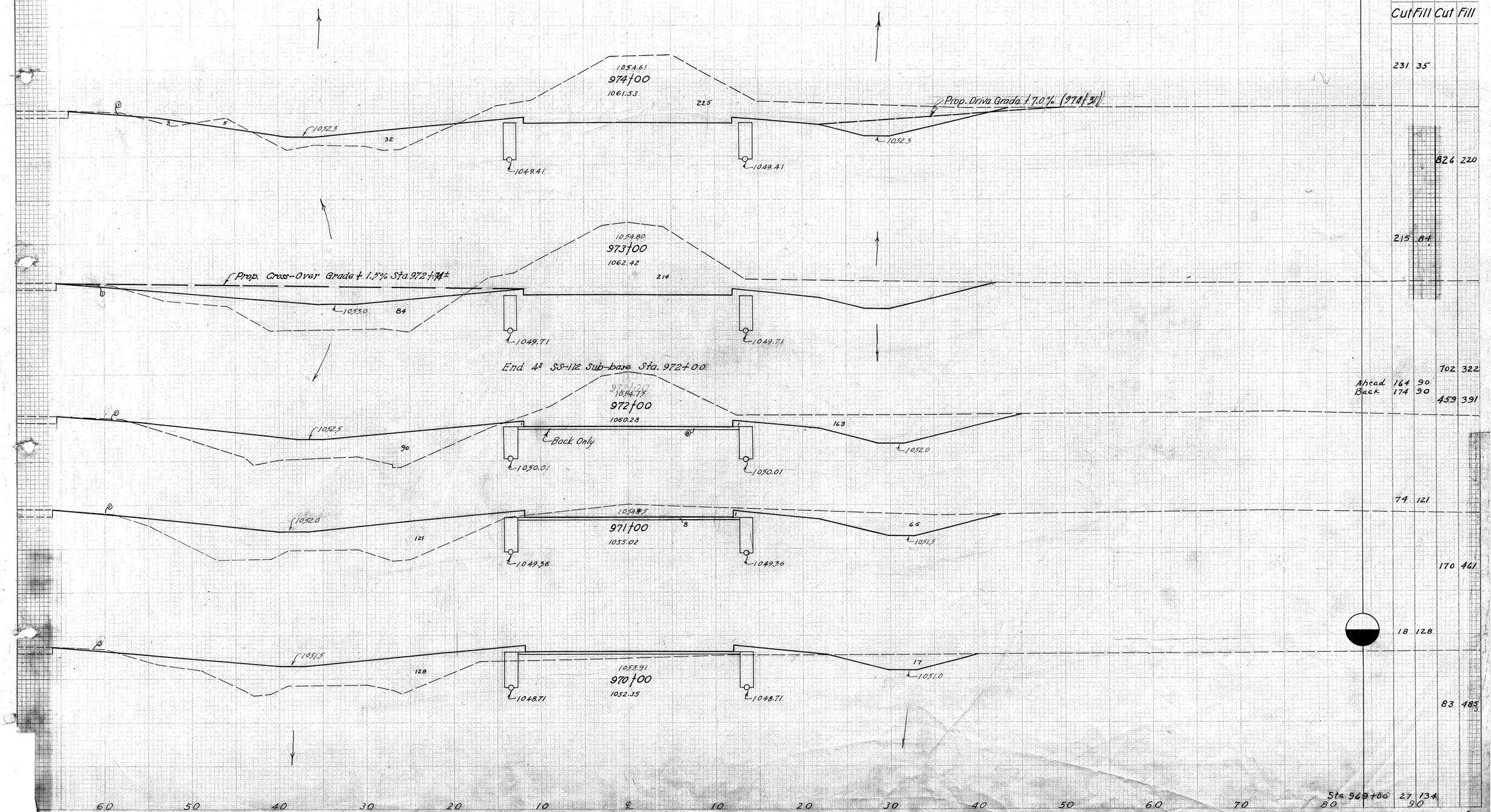
Excavation 3695 Cu. Yd.
Embankment 2741 Cu. Yd.
Emb 20 % 3289 Cu. Yd.

CROSS SECTIONS STA. 965+00 TO STA. 969+

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-55L-7 FG-55L-7 F-12-2	POST WAR

115
227

CLARK COUNTY
CLA. 40 ~ (15.18-23.88)



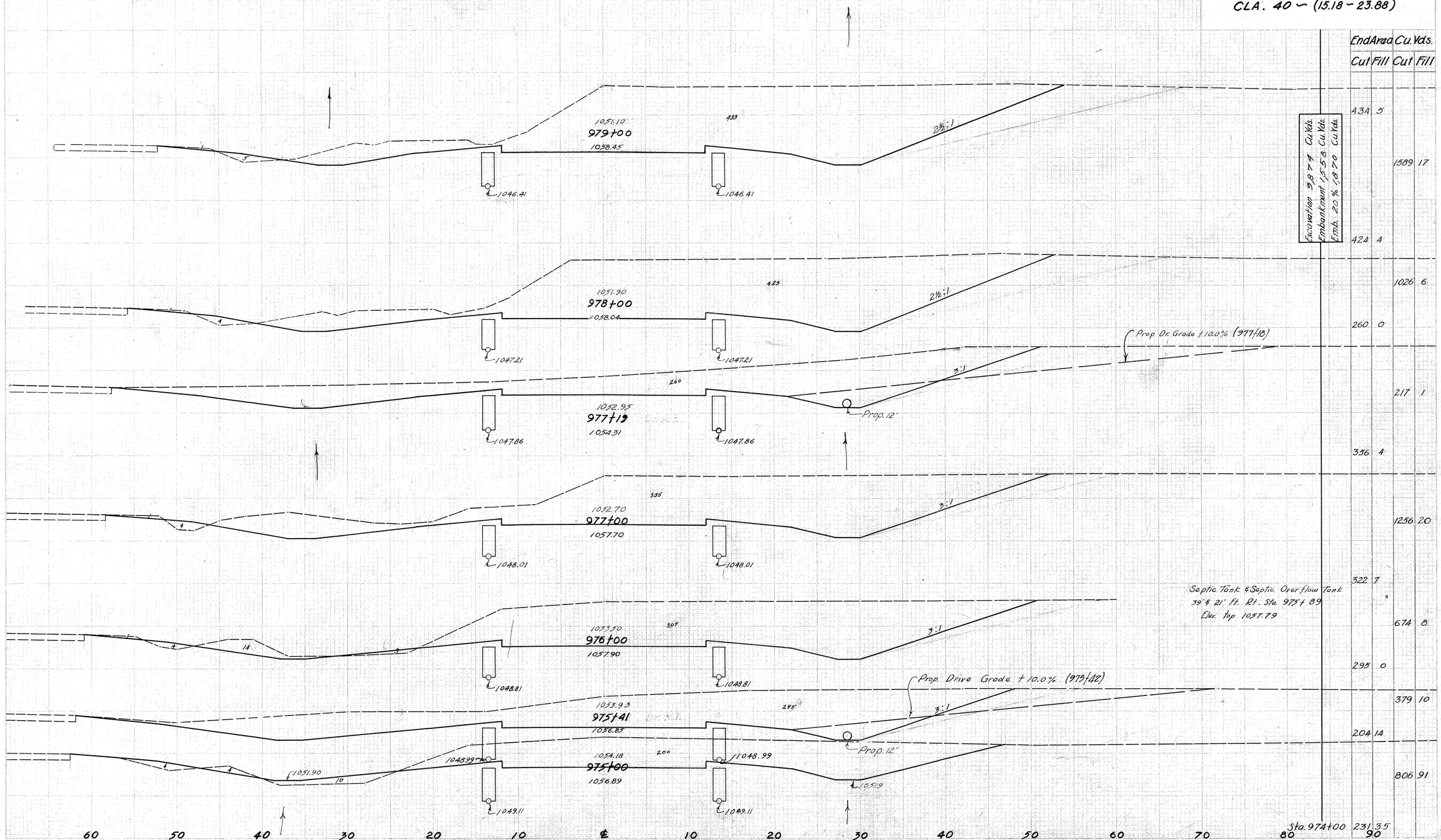
	End Area	Cu. Yds.
	Cut	Fill
	231	35
	826	220
	215	84
	702	322
Ahead	164	90
Back	174	90
	459	391
	74	121
	170	461
	18	128
	83	485
Sta. 969+00	27	134

CROSS SECTIONS STA. 970+00 to STA. 974+00

FED. FOR. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F 16-2	POST WAR

116
227

CLARK COUNTY
CLA. 40 – (15.18 – 23.88)



End Area	Cu. Yds.	
Cut	Fill	Cut Fill
434	5	
		1589 17
424	4	
		1026 6
260	0	
		217 1
336	4	
		1256 20
322	7	
		674 8
295	0	
		379 10
204	14	
		806 91
Sta. 974+00	231	35

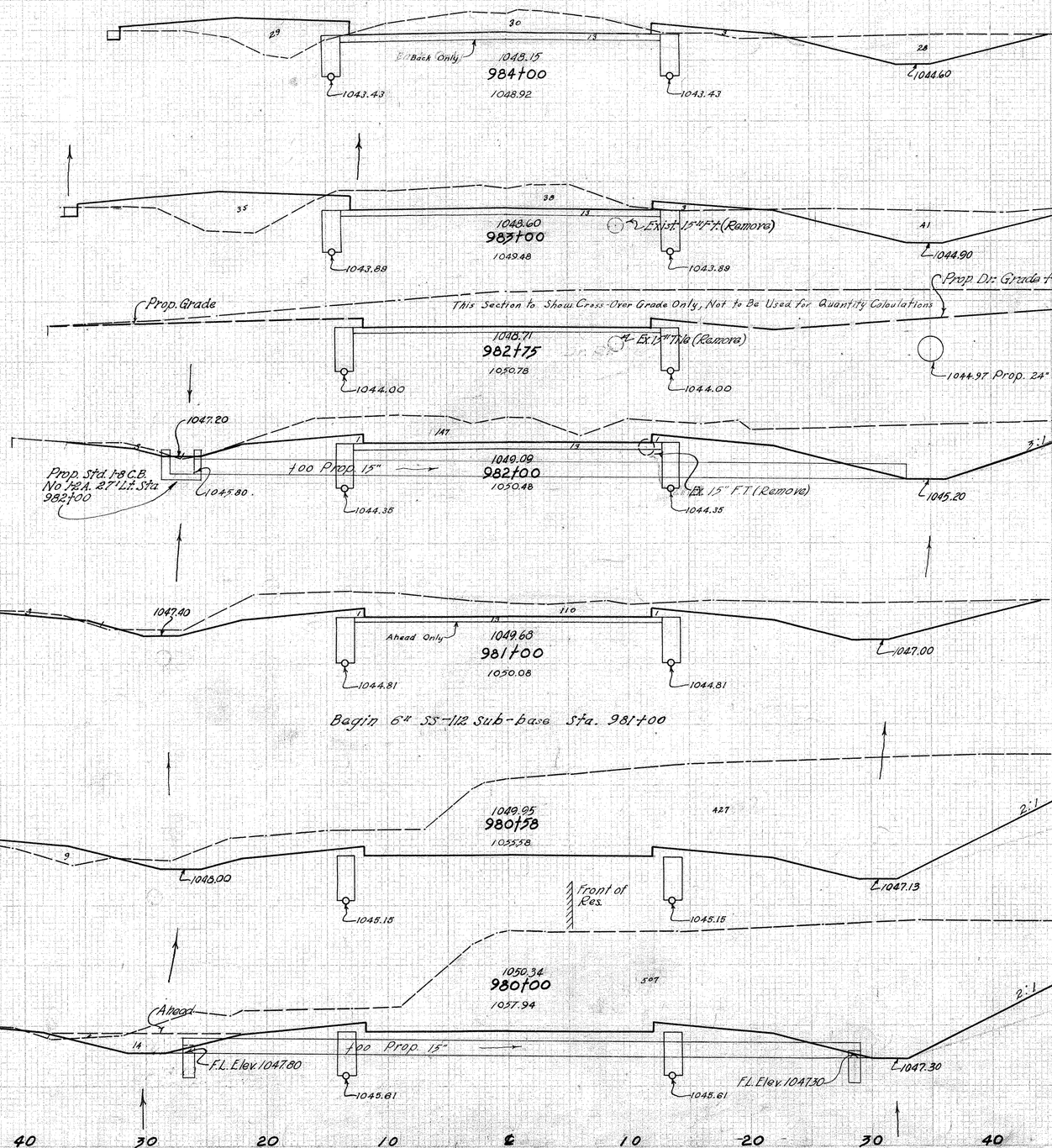
CROSS SECTIONS STA. 975+00 TO STA. 979+00

CVD. NO. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

117
227

CLARK COUNTY
CLA. 40 — (15.18-23.88)

End 6" SS-112 Sub-base Sta. 984+00



	End Area Cu. Yds. Cut	Fill	Cut	Fill
Ahead	58	34		
Back	71	34		
			304	133
	93	38		
			496	72
	175	1		
			561	4
Ahead	128	1		
Back	113	1		
			420	8
			427	9
			1003	13
Ahead	507	3		
Back	522	1		
			1770	11
			Sta. 979+00	434 5

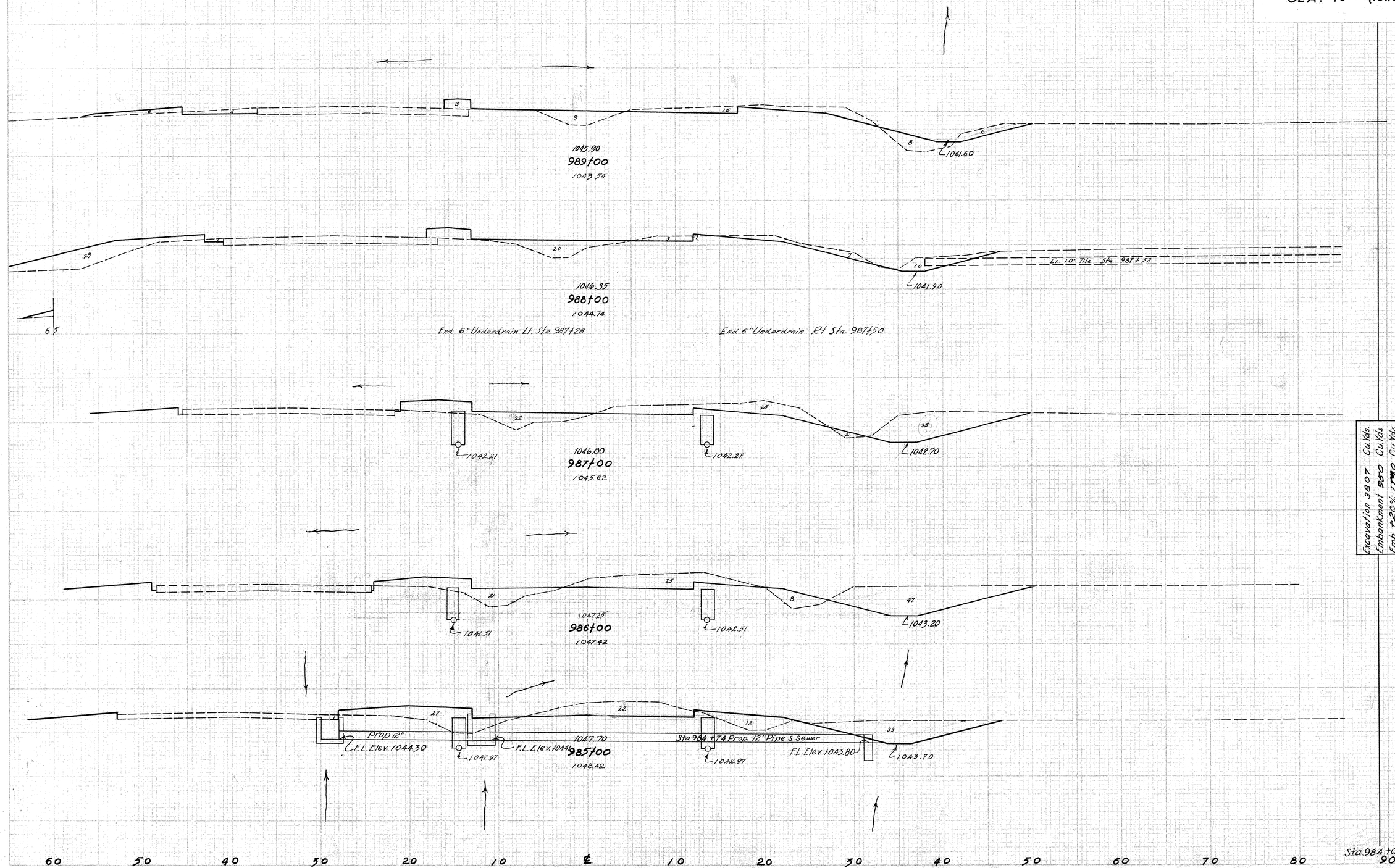
70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 980+00 TO STA. 984+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-332-7 F-16-2	POST WAR

118
227

CLARK COUNTY
CLA. 40 ~ (15.18 - 23.88)



	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	25	26		
			85	141
	21	50		
			150	137
	60	24		
			244	98
	72	29		
			235	126
	55	39		
			209	135
Sta. 984+00	58	34		

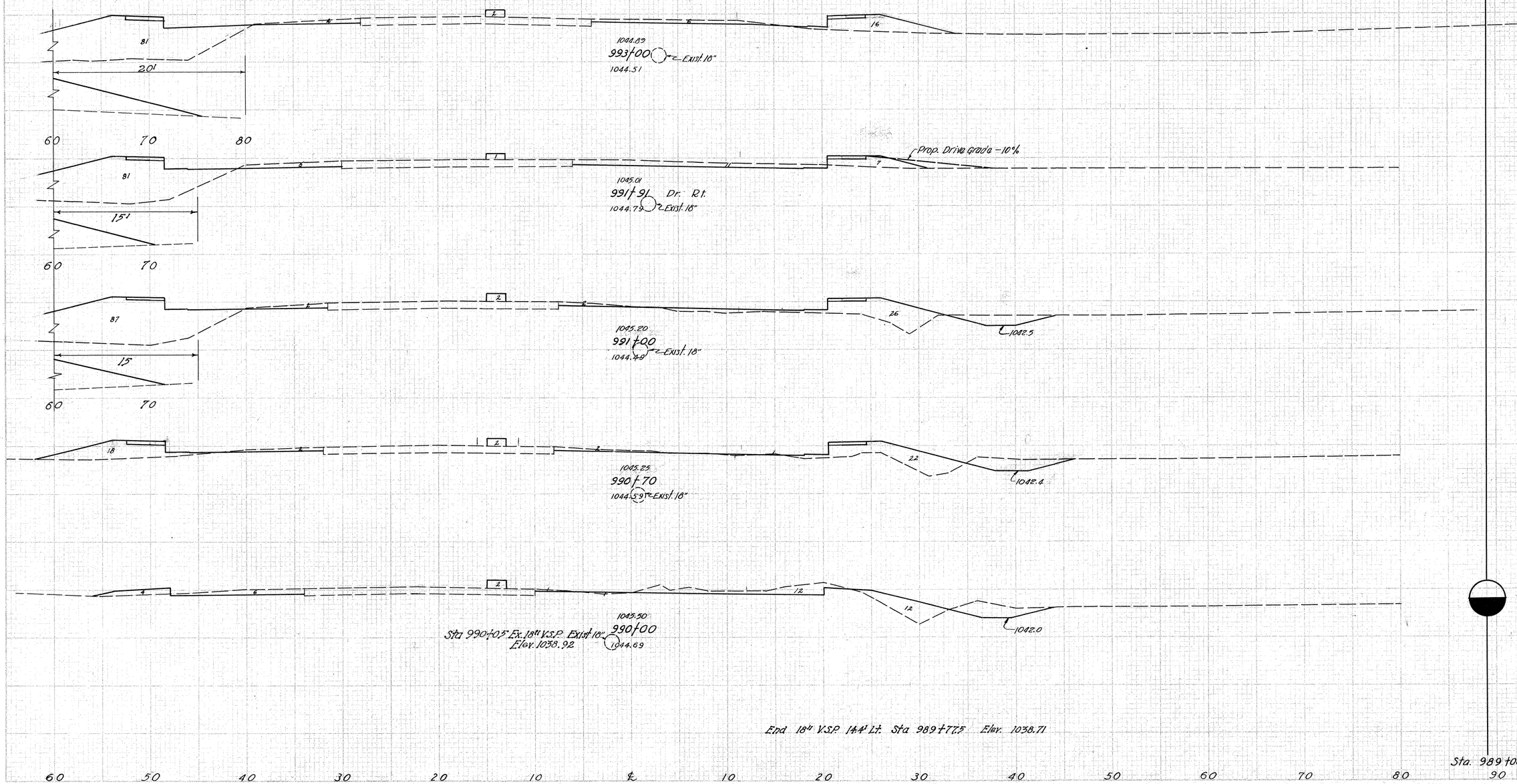
Excavation 3807 Cu. Yds.
Embankment 950 Cu. Yds.
Emb. +20% 1140 Cu. Yds.

CROSS SECTIONS STA. 985+00 TO STA. 989+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-7	POST WAR

119
227

CLARK COUNTY
CLA. 40 – (15.18 – 23.88)



End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
10	99		
		52	379
16	89		
		46	344
11	115		
16	88		
17	43		
60	81		
29	19		
100	83		
Sta. 989+00	25	26	100

CROSS SECTIONS STA. 990+00 to STA. 993+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

120
727

CLARK COUNTY
CLA. 40 – (15.18 – 23.88)

Exist. V.S.P. Changes from 18" to 15" at Sta 998+21

House

1045.80
998+00
104566
℄ Exist. 18"

℄ Abandon Exist. Catch Basin +00

Connect Exist. 12" to Prop. 12" Using 12"x12" Wye & 12"x30° Curve.

Approach Right Sta. 997+79.12

1045.40
997+00
104516
℄ Exist. 18"

1045.17
996+00
1044.86
℄ Exist. 18"

Prop. Drive Grade -15%

1044.98
995+00
1044.61
℄ Exist. 18"

Inlet Elev. 1042.14

Prop. 12"

Prop. Std. I-8CB. No. 22A 38.5' Rt. Sta. 994+92.5

F.L. Elev. 1040.86

F.L. Elev. 1040.90

Abandon existing Catch Basin Rt. Sta. 994+92.5

1044.88
994+00
1044.41
℄ Exist. 18"

	End Area Cu. Yds.	
	Cut	Fill
	29	7
	83	72
	50	10
	16	32
	59	143
	16	45
	54	139
	13	30
	50	78
	14	12
	L 44	L 206

Excavation 695 Cu. Yds.
Embankment 1633 Cu. Yds.
Emb. +20 % 1960 Cu. Yds.

Sta. 993+00 10 99

70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

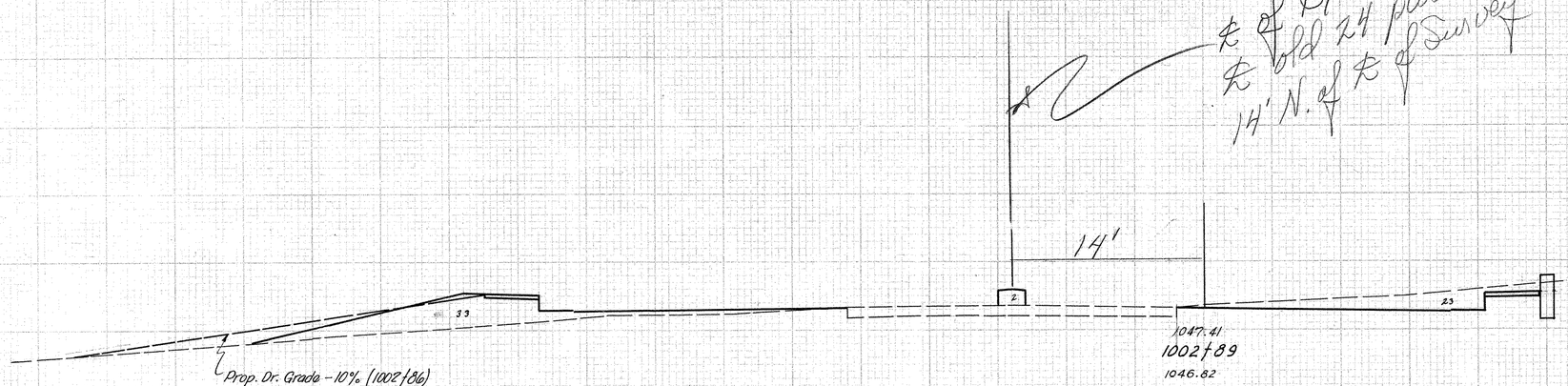
CROSS SECTIONS STA. 994+00 TO STA. 998+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FQ-336-1 F-16-2	POST WAR

121
227

CLARK COUNTY
CLA. 40 – (15.18 – 23.88)

℄ of E/W
℄ Sold 24 past.
14' N. of ℄ of Survey



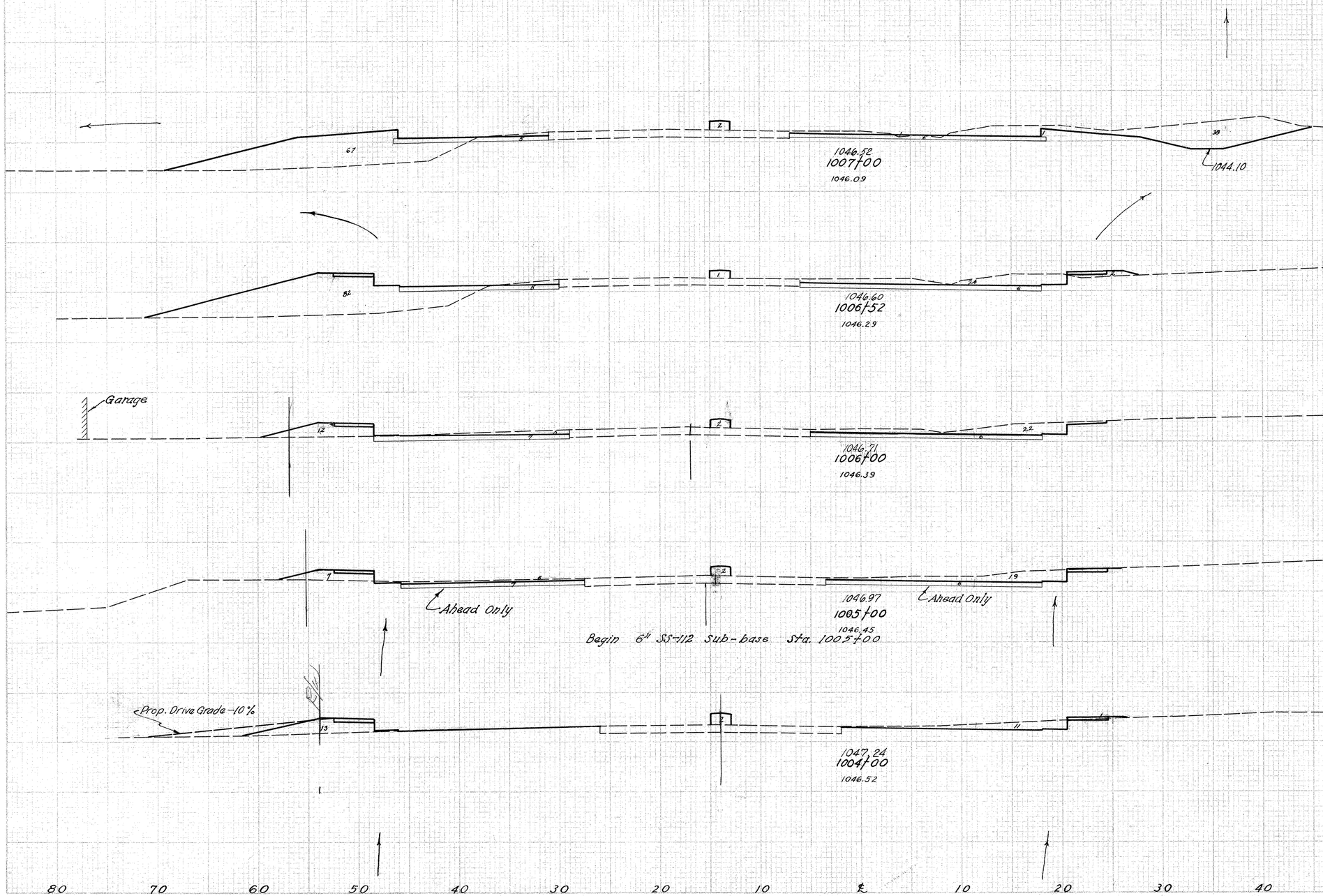
End Area Cu. Yds.			
Cut	Fill	Cut	Fill
23	35		
		66	74
17	10		
		50	70
10	28		
		57	80
21	15		
		83	54
24	14		
		98	39
Sta. 998+00	29	7	

CROSS SECTIONS STA. 999+00 to STA. 1002+80

FED. AID DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	E-536-7 FG-536-7 E-16-2	POST WAR

122
227

CLARK COUNTY
CLA. 40 – (15.18 – 23.88)



End Area Cu. Yds.			
Cut	Fill	Cut	Fill
		50	70
		75	138
		35	85
		72	95
		40	14
		144	43
Ahead		38	9
Back		25	9
		69	44
		12	15
		72	103
Sta. 1002+89		23	35

Excavation 1234 Cu Yds.
Embankment 1308 Cu Yds.
Emb. x 20 % 1570 Cu Yds.

CROSS SECTIONS STA. 1004+00 to STA. 1007+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FD-556-7 F-16-2	POST WAR

123
727

CLARK COUNTY
CLA. 40 ~ (15.18 ~ 23.88)

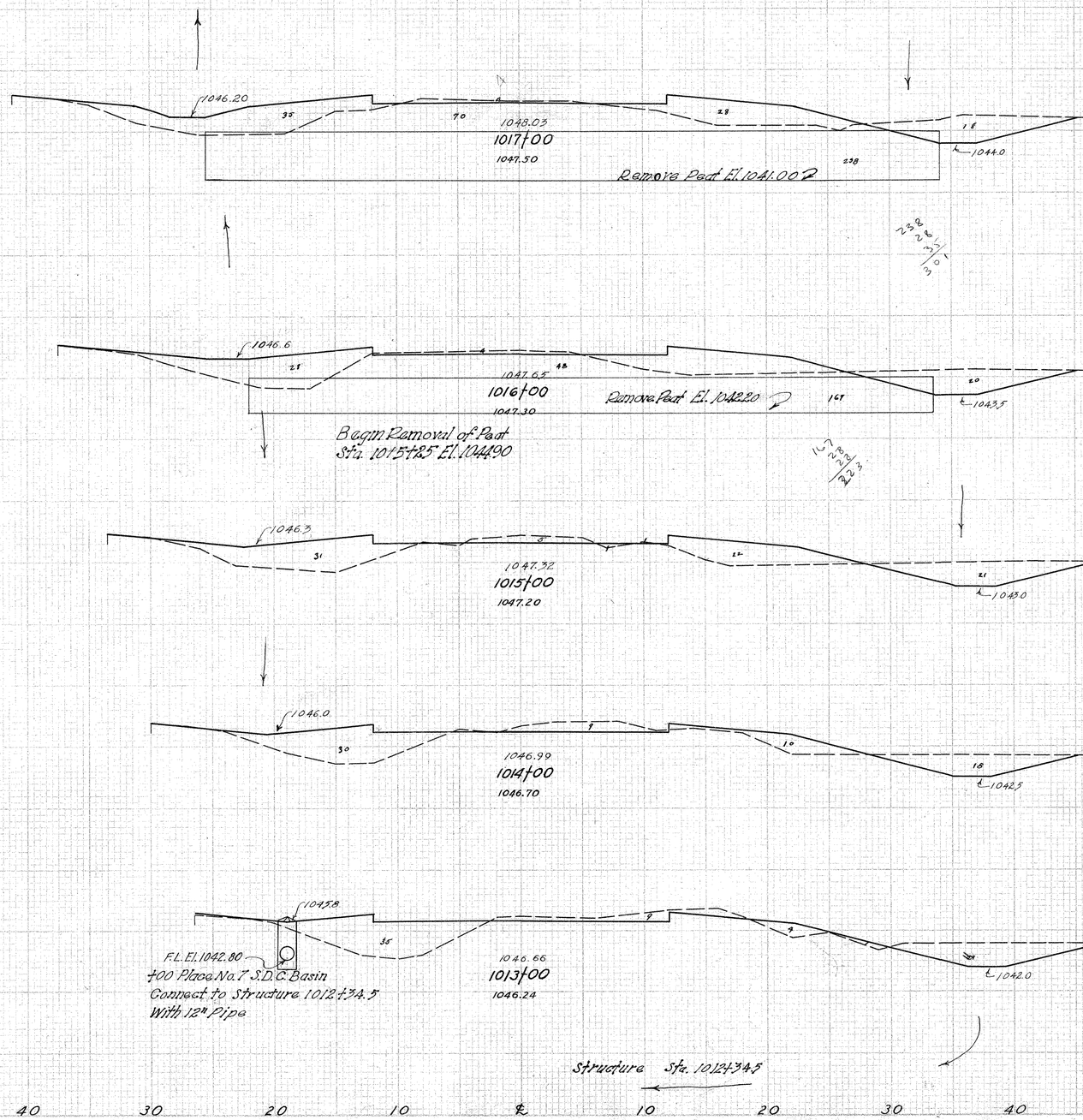
	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	28	30		
			117	130
	35	40		
			115	209
	27	73		
			115	233
	35	53		
			133	198
Nhead	37	54		
Back	48	54		
			181	230
Sta. 1007+00	50	70		

CROSS SECTIONS STA. 1008+00 TO STA. 1012+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

124
227

CLARK COUNTY
CLA. 40 ~ (15.18 ~ 23.88)



	Peat Removal	End Area Cu. Yds.			
	E.A.	C.Y.	Cut	Fill	Cut	Fill
				92	343	
	238					
		750				304	1085
	167			72	243	
	232					
						183	550
			27	54		
						100	174
			27	40		
						106	148
			30	40		
						107	130
			Sta. 1012+00	28	30		

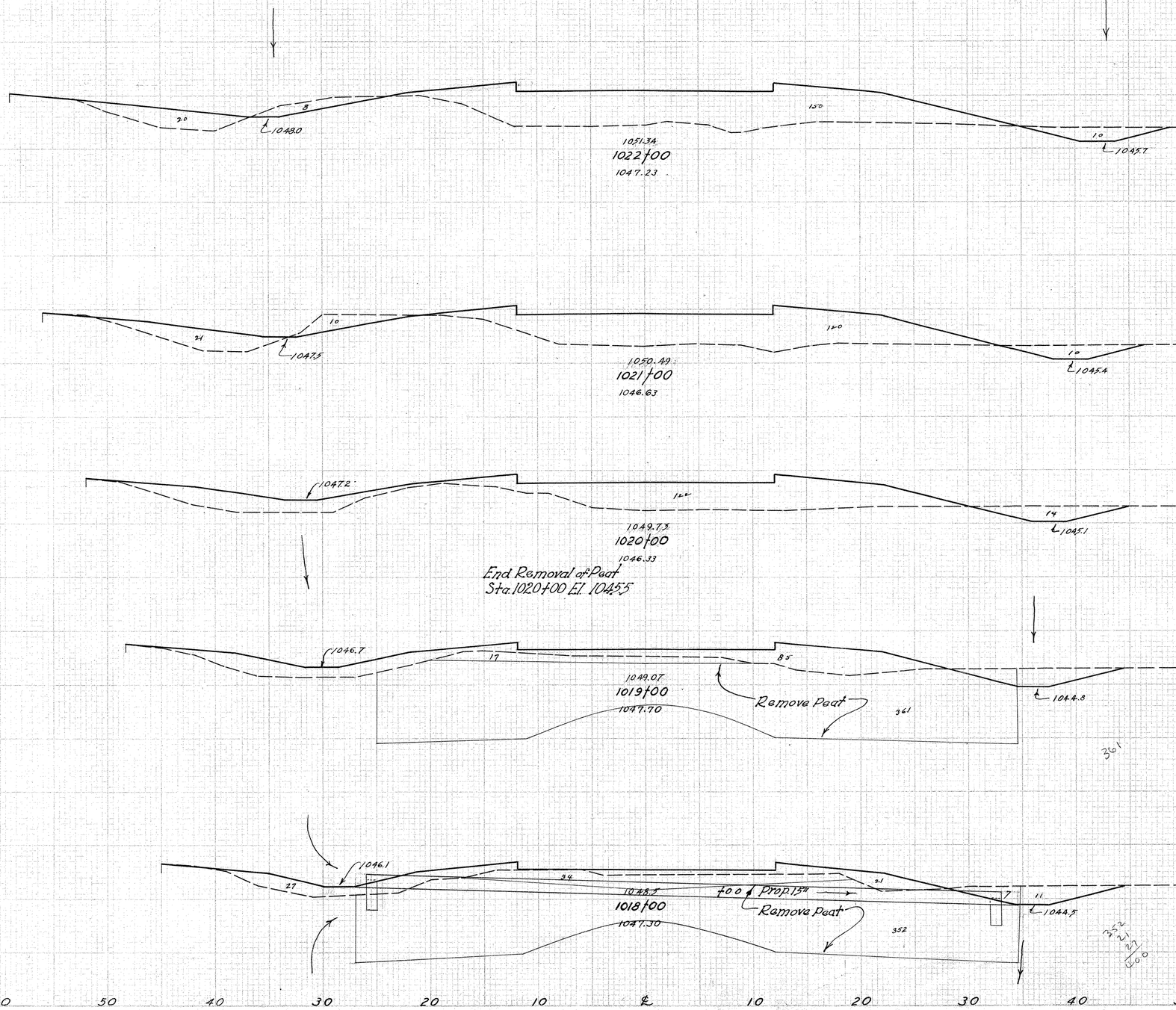
Peat Removal 4112 Cu. Yds.
Excavation 1495 Cu. Yds.
Embankment 2617 Cu. Yds.
Emb. 20 % 793 Cu. Yds.

CROSS SECTIONS STA. 1013+00 to STA. 1017+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

125
227

CLARK COUNTY
CLA. 40-(15.18)-23.88)



Peat Removal E.A.C.Y.	End Area Cu. Yds. Cut	Fill	Cut	Fill
	18	170		
			70	576
	20	141		
			63	487
	14	122		
			78	1083
680				
	28	463		
367				
			133	1661
1344				
	44	434		
359				
1106			252	1439
Sta. 1017+00 238	92	343		

70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90

CROSS SECTIONS STA. 1018+00 to STA. 1022+00

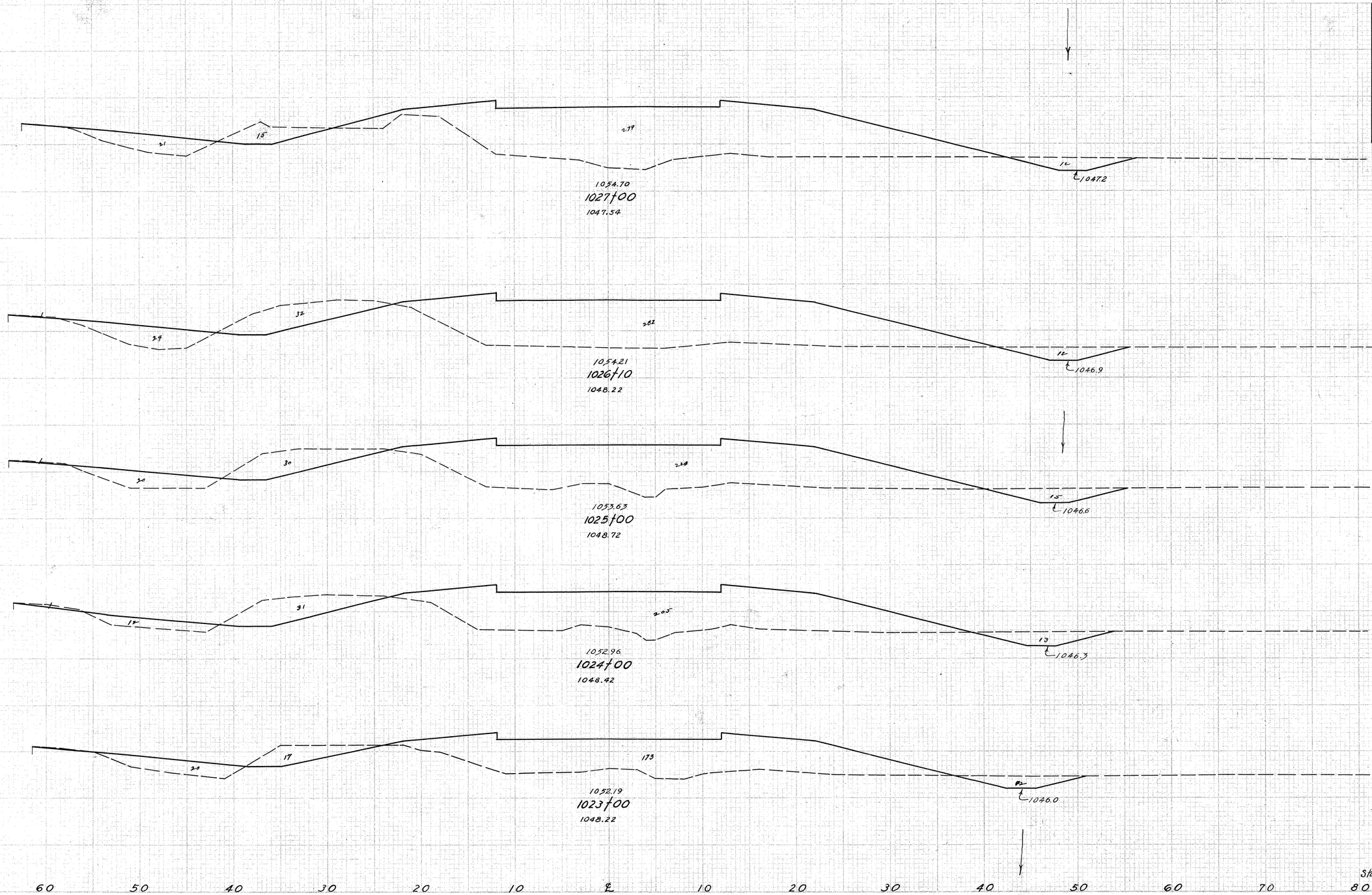
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	E-256-7 FG-256-7 F-16-2	POST WAR

126
227

CLARK COUNTY
CLA. 40 — (15.18-23.88)

Excavation 1519 Cu.Yds.
Embankment 764.2 Cu.Yds.
Emb. 20 % 9170 Cu.Yds.

	End Area Cu. Yds.	
	Cut	Fill
Sta. 1027+00	27	300
	120	960
Sta. 1026+10	45	276
	186	1067
Sta. 1025+00	46	248
	169	861
Sta. 1024+00	45	217
	137	759
Sta. 1023+00	29	193
	87	672
Sta. 1022+00	18	170
	90	

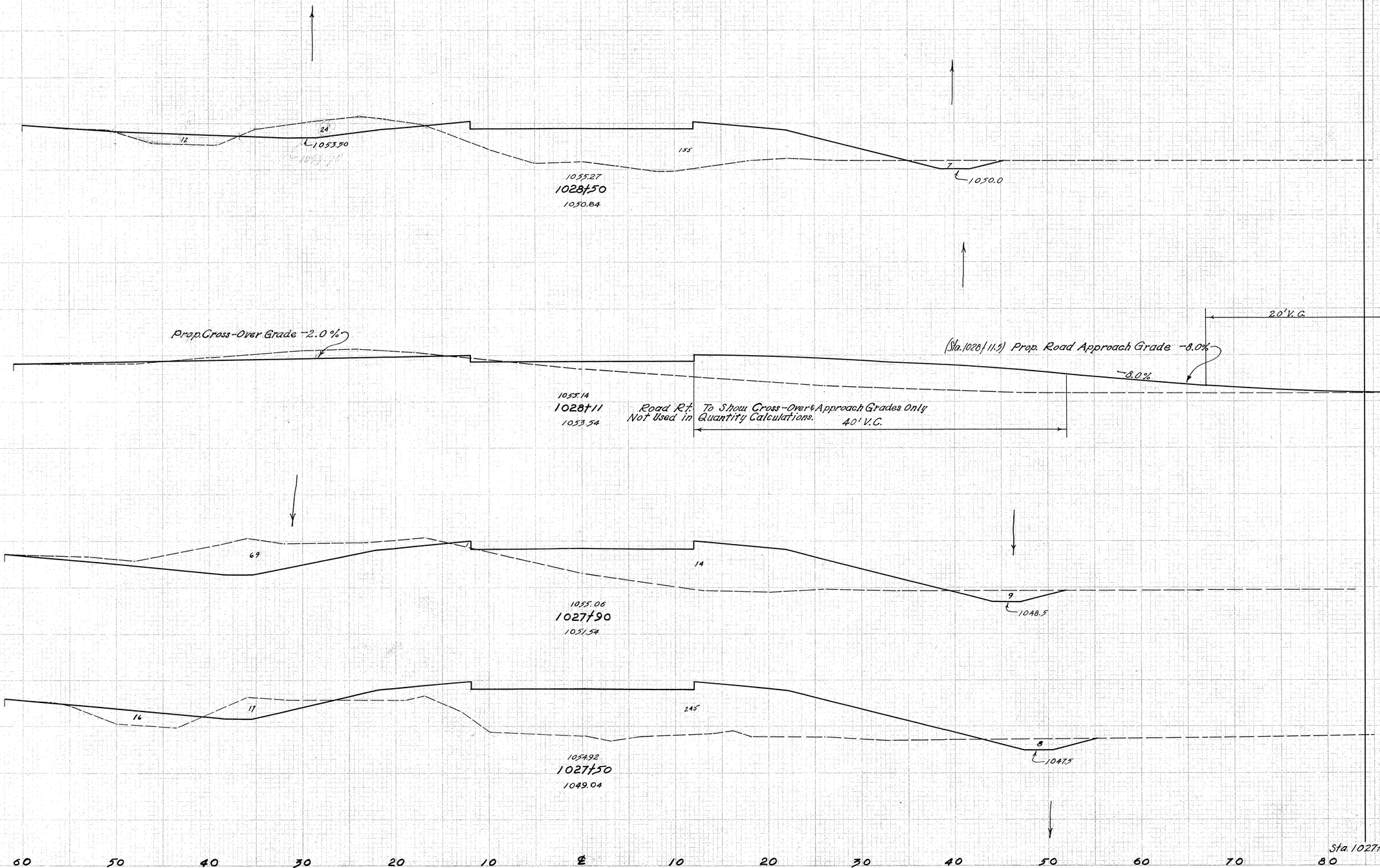


CROSS SECTIONS STA. 1023+00 to STA. 1027+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 HP-556-7 F-16-2	POST WAR

127
227

CLARK COUNTY
CLA. 40 – (15.18-23.88)



CROSS SECTIONS STA. 1027+50 TO STA. 1028+50

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FQ-336-7 F-16-2	POST WAR

128
227

CLARK COUNTY
CLA. 40 - (15.18 - 23.88)

Inlet Elev. 1051.30
46
1053.4
Prop. Std. I-8 C.B. No. 1-2A
38.5' Lt. Sta. 1031+04 Outlet through Prop. Br. Abut. using 8' of 18" Pipe.
F.L. Elev. 1046.50
End 18" V.S.P.
34.0
1041.0
1055.96
1031+95.65 BACK OF BRIDGE ABUT.
1049.30

℄ Bridge Sta. 1031 + 61.65

31
Inlet Elev. 1051.50
Exist. 18" Pipe through Bridge Wing
1049.77
F.L. Elev. 1049.20
F.L. Elev. 1049.30
Prop. Std. I-8 C.B. No. 1-2A
36.5' Lt. Sta. 1031 + 22
Connect to Exist. 18" Pipe through Br. Wing using 6 Lin. Ft. 18" Pipe and 18" x 45° Curve.
24.8
10
1042.86
1055.83
1031+27.65 BACK OF BRIDGE ABUT.
1049.30

36
1053.50
Prop. 12"
1049.90
24.3
8
1043.0
1055.79
1031+00
1049.90

22
42
1053.05
1050.5
Prop. 1-S.C.B. 1-Z.A. Sta. 1030+00
Begin Prop. 12" Pipe Storm Sewer Lt. Sta. 1030+01
18.5
6.7
1049.33
1055.62
1030+00
1048.05

8
18
37
1053.35
17.7
42
1045.85
1055.40
1029+00
1048.76

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1029+00 TO STA. 1032+00

	End Area	Cu. Yds.
Cut	Fill	Cut Fill
46	340	
		115 632
61	248	
		63 252
62	244	
		317 872
		109 227
		343 770
76	189	
		99 330
Sta. 1028+50	31	167

FED. ED. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FS-376-7 F-7 B-2	POST WAR

129
227

CLARK COUNTY
CLA. 40 ~ (15.18~23.88)

End Area Cu. Yds.

Cut	Fill	Cut	Fill
	18		286
		78	1059
		73	511
	24		286
		94	1007
	27		258
		100	950
	27		255
		123	896
	50		229
		186	1108
	46		340
		90	

Excavation 1373 Cu. Yds.
Embankment 10,420 Cu. Yds.
Emb. + 20 % 12,504 Cu. Yds.

1036+32 Cross Over Bowman Road Lt.

+32 Profile of Prop. Cross-Over +1.2%

1037+00
1049.44
1056.81
1054.1 — 35 — 2 — 251 — 11 — 1050.1

1036+00
1049.44
1056.64
1054.1 — 36 — 250 — 17 — 1049.8

1035+00
1053.04
1056.47
1054.1 — 36 — 13 — 222 — 13 — 1049.5

1034+00
1050.33
1056.30
1053.8 — 22 — 18 — 233 — 7 — 1049.0

1033+00
1050.63
1056.13
1053.5 — 30 — 37 — 111 — 18 — 1048.3

70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90

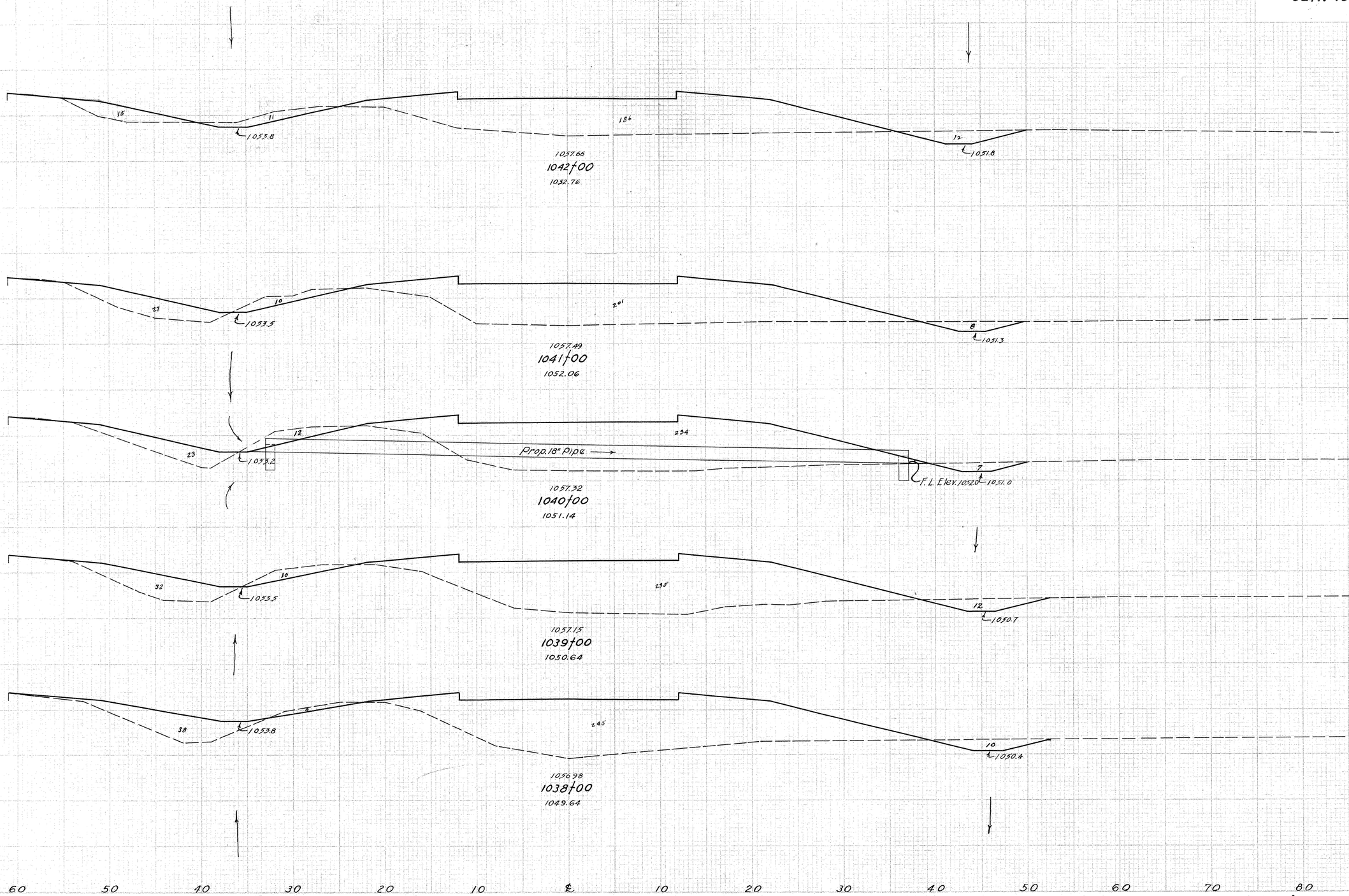
Sta. 1031+95.65

CROSS SECTIONS STA. 1033+00 to STA. 1037+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	E-336-7 FA-206-7 L-16-2	POST WAR

130
227

CLARK COUNTY
CLA. 40 ~ (15.18 - 23.88)



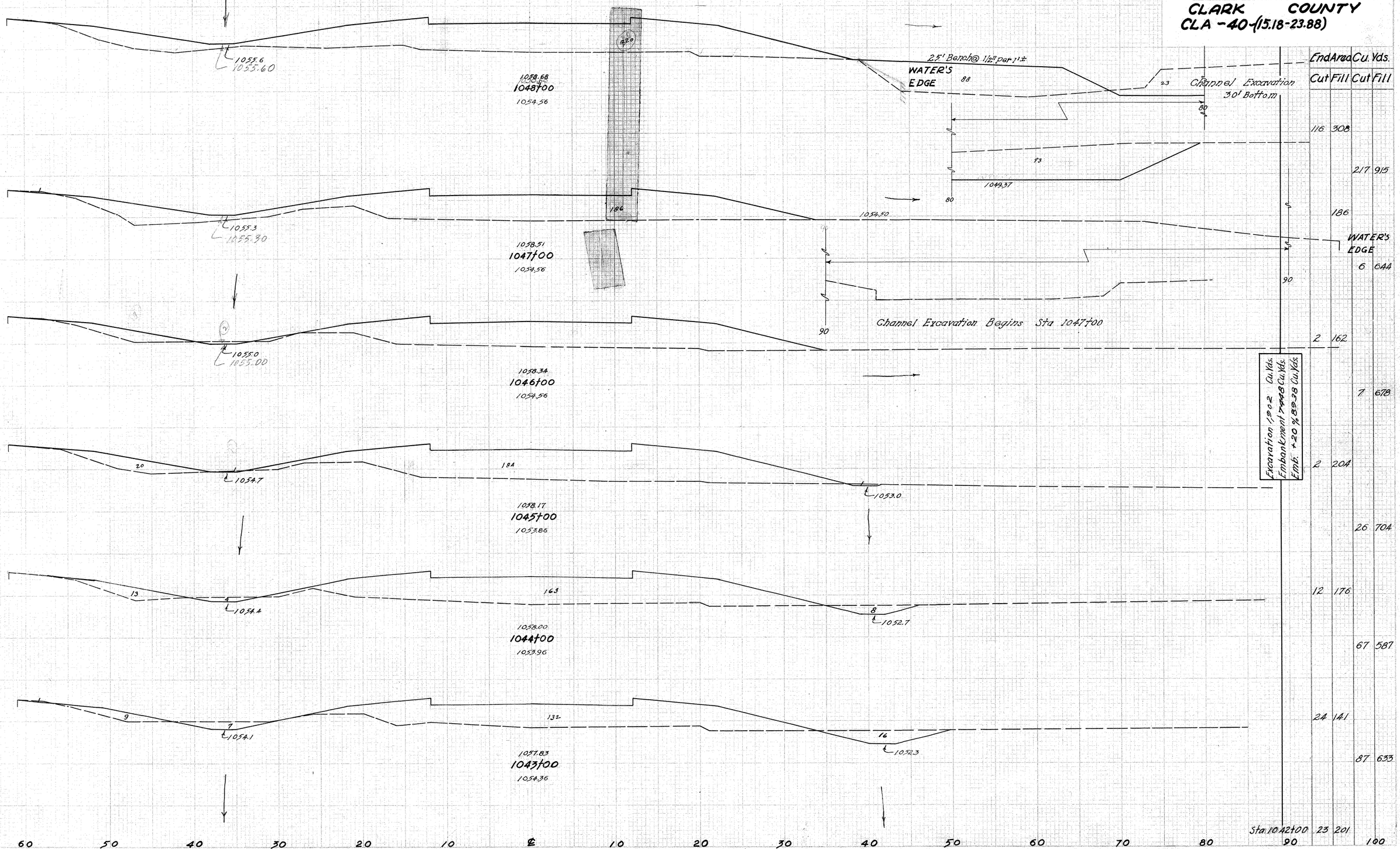
Sta.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
1042+00				
	23	201		
			78	794
	19	228		
			72	898
	20	257		
			78	970
	22	267		
			67	1019
	14	283		
			59	1054
1037+00	18	286		

CROSS SECTIONS STA. 1038+00 to STA. 1042+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-326-7 F-16-2	POST WAR

131
227

CLARK COUNTY
CLA-40-(15.18-23.88)



Excavation 1902 Cu. Yds.
Embankment 7448 Cu. Yds.
Emb. +20% 8938 Cu. Yds.

CROSS SECTIONS STA. 1043+00 TO STA. 1048+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

132
227

CLARK COUNTY

CLA-40- (15.18 - 23.88)

End Area Cu. Yds.	
Cut	Fill
116	354
	335 1309
65	333
	533 1070
	223 225
	830 748
	225 179
	772 678
	192 187
	570 917
Sta. 1048+00	116 308

1057.10
1060.52
1053+00
1054.97
WATER'S EDGE
1051.22
1056.80
1060.02
1052+00
1055.47
WATER'S EDGE
1050.85
1056.50
1059.58
1051+00
1054.87
1050.48
1056.20
1059.19
1050+00
1055.16
1050.11
End Prop. 12" Pipe Storm Sewer Lt. Sta. 1048+87
1048+65 Profile Prop. Cross-Over +0.5%
1055.90 Prop. 12"
Prop. Dr. Grade - 17.0% (Pasture Dr.)
Begin Prop. 12" Pipe Storm Sewer Lt. Sta. 1048+43
1053.89
1049+00
1055.06
1049.74

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 1049+00 TO STA. 1053+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FO-336-7 F-16-2	POST WAR

133
227

CLARK COUNTY
CLA-40-(15.18-23.88)

Excavation 4112 Cu. Yds.
Embankment 11878 Cu. Yds.
Emb. x 20 % 14250 Cu. Yds.

End Area Cu. Yds.	
Cut	Fill
164	353
615	1435
168	422
548	1580
128	431
291	1406
29	328
270	1176
117	307
431	1224
Sta. 1053+00	116 354
	100

1063.02
1058+00
1058.76

1062.52
1057+00
1056.46

1062.02
1056+00
1056.76

Structure 1055+24.1

1061.52
1055+00
1055.87

1061.02
1054+00
1055.57

Fil. Inlet
El. 1059.00

1059.4

Prop. 15"

Prop. 24" Pipe

1058.7

1053.07

1052.70

1052.33

1051.96

1051.59

CROSS SECTIONS STA. 1054+00 TO STA. 1058+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FR-336-7 F-16-7	POST WAR

134
227

CLARK COUNTY
CLA.-40- (15.18 - 23.88)

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
		83	97
		73	327
		15	99
		46	463
		10	151
		52	509
		18	124
		144	793
		60	304
		415	1217
		Sta. 1058+00	164 353

1065.44
1062+90
1063.70

1065.02
1062+00
1063.10

1064.52
1061+00
1062.10

1064.02
1060+00
1062.50

End 6" SS-112 Sub-base Sta. 1059+50

1063.52
1059+00
1063.20

End Channel Excavation Sta. 1059+62

WATER'S EDGE

Begin 6" SS-112 Sub-base Sta. 1058+50

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 1059+00 TO STA. 1062+90

FED. ROAD DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-162	POST WAR

135
227

CLARK COUNTY
CLA. 40 ~ (15.18 ~ 23.88)

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
0	395		
		0	1304
0	309		
		0	1044
0	255		
		169	717
50	300		

1064.20
395
Prop. 15th Sta. 1068+00
F.L. Elev. 1079.60
1066.38
1066+00
1060.64

1064.50
309
1066.16
1065+00
1061.64

1064.80
255
1065.86
1064+00
1062.20

+17.2 Profile Prop. Cross-Over + 7.6%
Prop. Profile New Love Rd. Approach – 4.0%
1065.57
1063+17.2
1063.20
Section Showing Prop. Profile of New Love Rd. Approach
Not used in calculating Quantities.

Sta. 1062+90 83 97

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 1063+00 TO 1066+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FD-336-7 F-16-2	POST WAR

136
227

CLARK COUNTY
CLA. 40 – (15.18-23.88)

Prop. Drive Rf. Grade – 5.0% (1069+46)

16
1064.74
59
1067.05
1069+74
1066.07
3
8" Drive Pipe with
No. 1 Inlet on West End

3
1065.00
69
1066.90
1068+88
1065.67
4

60
60
12'
1065.03
110
1066.88
1068+78
1065.67
20
1064.00

1064.80
385
1066.74
1068+00
1062.44
1062.50

1064.50
476
1066.56
1067+00
1059.94
1059.80

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
19	59			
			37	188
4	59			
			4	31
20	110			
			34	715
4	385			
			7	1594
0	476			
			0	1613
Sta. 1066+00	0	395		

Excavation 175 Cu. Yds.
Embankment 8830 Cu. Yds.
Emb. +20% 10597 Cu. Yds.

CROSS SECTIONS STA. 1067+00 to STA. 1069+74

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-72-2	POST WAR

137
227

CLARK COUNTY
CLA. 40 – (15.18 - 23.88)

546
1059.00
4
4
1060.00
1067.82
1074+00
1061.31

448
28
14
1059.50
1059.40
End Removal of Peat
Sta. 1072+25 El ev. 1059.0
1067.64
1073+00
1060.87

397
15
35
240
1060.00
1059.70
1067.46
1072+00
1061.67
Peat Removal 1057.8

End Prop. 12" Pipe Storm Sewer 65' Lt. Sta. 1071+06
F.L. Elev. 1060.77

383
12
82
7
225
1061.00
1060.00
1067.28
1071+00
Remove Peat 1057.7
Begin Removal of Peat Sta. 1070+65 El. 1059.0 60.97

+56 Prop. Cross-Over Profile –1.0%
Begin Prop 12" Pipe Storm Sewer 43' Lt. Sta. 1070+40
F.L. Elev. 1063.28

1063.28 Prop. 12"
7
1063.00
1067.16
1070+34
1062.77

128
5
1064.70
1064.50
1067.07
1069+81
1065.47

Sta.	Peat Removal E.A.	Peat Removal C.Y.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
				8	546	
					93	1878
				42	448	
			111		176	2074
	240			53	672	
			861		285	2533
				101	696	
	225		132		1148	
			146	7	243	
				12	364	
				5	128	
				3	25	
Sta. 1069+74				19	59	

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 1069+81 TO STA. 1074+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F- 16-L	POST WAR

138
227

CLARK COUNTY
CLA. 40 ~ (15.18-23.88)

End Area Cu. Yds.			
Cut	Fill	Cut	Fill
	27		411
		104	1504
	29		401
		128	1576
	40		450
		202	1685
	69		460
		171	879
	116		489
		115	977
	Sta. 1074+00	8	566

Peat Removal 1118 Cu. Yds.
Excavation 1515 Cu. Yd.
Embankment 12235 Cu. Yd.
Emb. +20 % 2682 Cu. Yd.

1060.40
27
411
1068.54
1078+00
1062.21

1060.10
29
401
1068.36
1077+00
1062.11

1059.80
40
450
1068.18
1076+00
1061.81

1058.60
65
460
1068.00
1075+00
1061.61

1058.00
68
489
1057.92
1057.91
1074+50
1061.41
1057.78
Prop Twin 60" Pipe

1061.00
4

1058.00
47

Structure Sta. 1074+50

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1074+50 TO STA. 1078+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-1 FG-556-7 F-16-2	POST WAR

139
227

CLARK COUNTY
CLA. 40 – (15.18 - 23.88)

HOUSE

Exist 6" Tile

220

1069.41
1083+00
1064.79

10

1063.00

HOUSE

Exist 6" Tile

311

1069.26
1082+00
1063.54

3

1062.5

WATERS EDGE

Connect Prop 8" Pipe Storm Sewer to Existing 6" Tile, 53' Lt. Sta. 1081+32

339

Remove Exist 6" Tile

F.L. Elev. 1060.95 Prop 8" Pipe

1069.08
1081+00
1063.24

WATERS EDGE

Begin Prop. 8" Pipe Storm Sewer Under Pavement
50' Rt. Sta. 1080+30 F.L. Elev. 1060.20

360

7

1061.00

1068.90
1080+00
1063.04

WATERS EDGE

321

5

1060.70

1068.72
1079+00
1063.24

	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	10	220		
				35 983
	9	311		
				17 1204
	0	339		
				13 1294
	7	360		
				30 1261
	9	321		
				67 1356
Sta. 1078+00	27	411		

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1079+00 to STA. 1083+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-1 F-16-2	POST WAR

140
227

CLARK COUNTY
CLA. 40 ~ (15.18-23.88)

+70 Prop. Drive Grade -3.0%

45

1068.50 Prop. 30"

1073.01
1088+00
1072.49

1087+70 Prop. Drive Grade +8.0%

35

4

1071.50 Prop. 12"

35

1067.60

1071.87
1087+00
1070.69

45

4

1070.00

19

1066.80

1070.94
1086+00
1068.79

65

7

1068.50

12

1066.00

Prop. 30" Pipe

F.L. Elev. 1065.95

1070.23
1085+00
1067.62

F.L. Elev. 1065.55

35

27

1065.50

+55 Prop. Drive Grade -5.0%

142

13

1065.00

1069.73
1084+00
1066.28

	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
		19		35
			161	148
		38		45
			113	204
		23		65
			115	296
		39		95
			96	439
		13		142
			43	470
Sta. 1085+00		10	220	

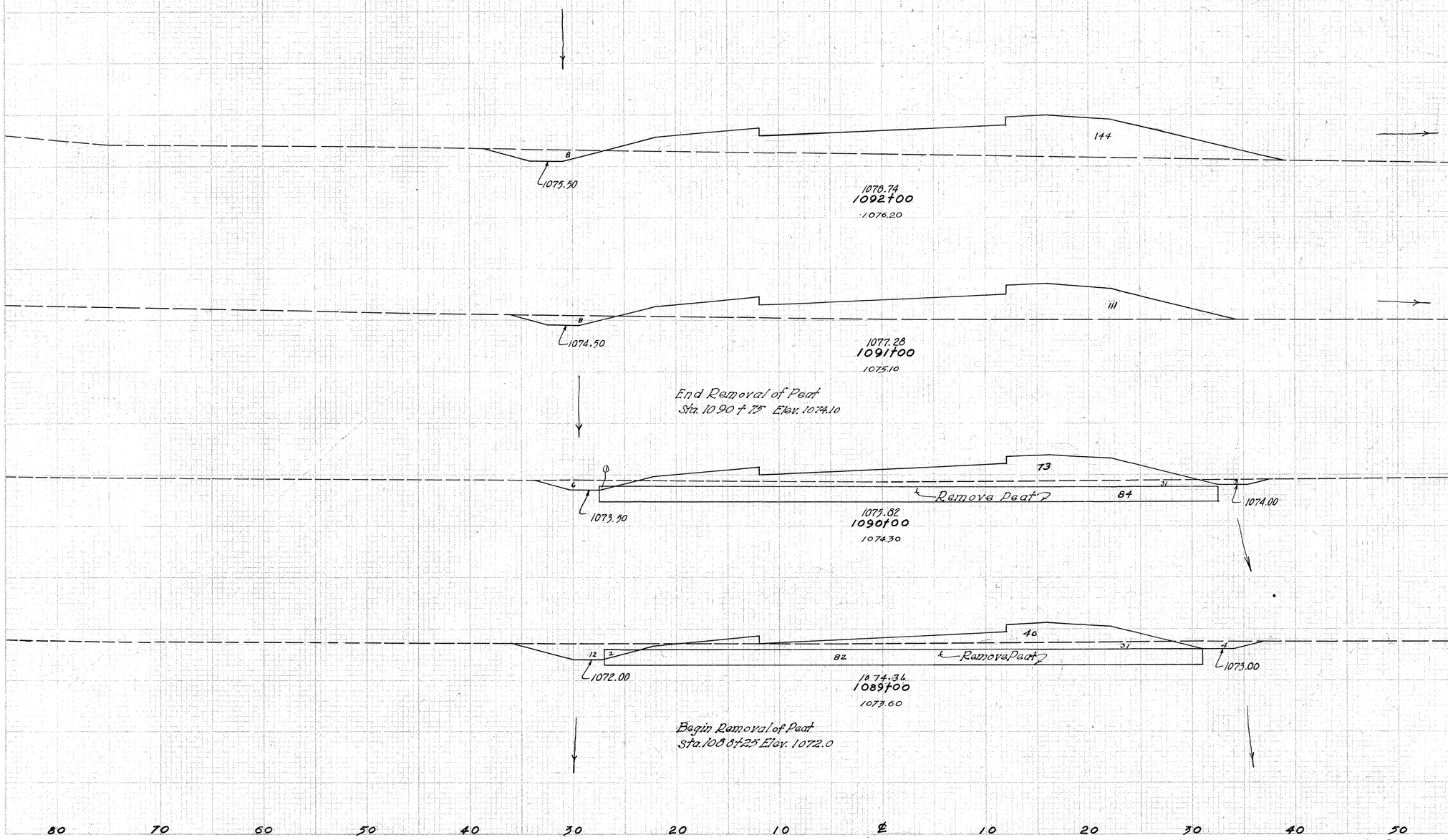
Peat Removal 948 Cu. Yds.
Excavation 930 Cu. Yds.
Embankment 6,217 Cu. Yds.
Emb. +20 % 7460 Cu. Yds.

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1084+00 TO STA. 1088+00

FED. AID DIVISION	STATE	PROJECT	TYPE FUND	141
2	OHIO	F-226-7 FG-226-7 F-16-2	POST WAR	227

CLARK COUNTY
CLA. 40 – (15.18-23.88)



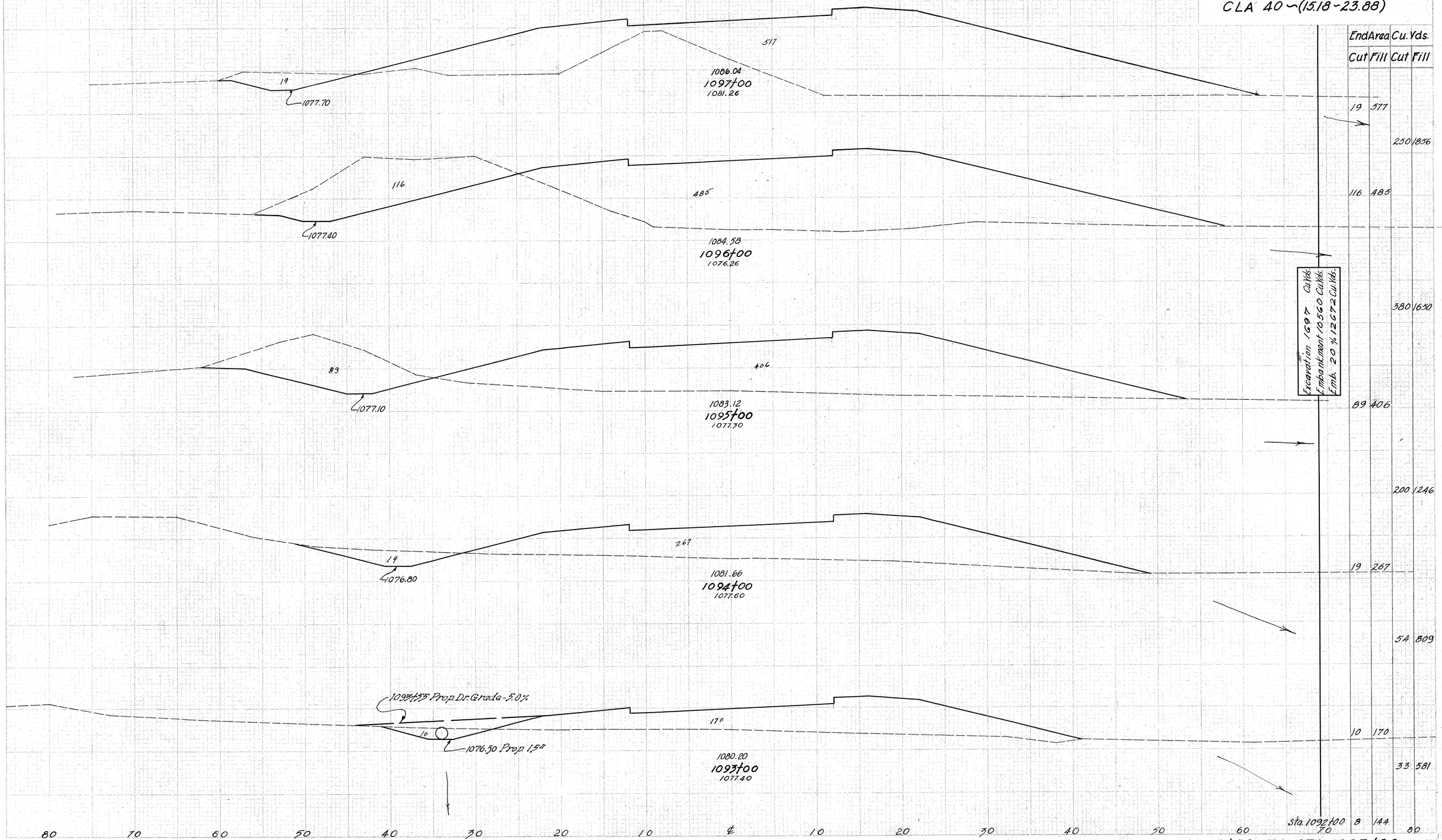
Station	Peat Removal E.A.	Peat Removal C.Y.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
			8	144		
					30	472
			8	111		
			118		87	554
			85		39	188
			313		153	631
			84		47	153
			117			
					178	348
Sta. 1088+00					49	35

CROSS SECTIONS STA. 1089+00 TO STA. 1092+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-536-7 FD-526-7 F-16-7	POST WAR

142
227

CLARK COUNTY
CLA 40 ~(15.18-23.88)



	End Area Cu. Yds.	
	Cut	Fill
19	517	
	250	1856
116	485	
	380	1650
89	406	
	200	1246
19	267	
	54	809
10	170	
	33	581
Sta. 1092+00	8	144

Excavation 1697 Cu Yds.
Embankment 10560 Cu Yds.
Emb. 20% 12672 Cu Yds.

CROSS SECTIONS STA. 1093+00 TO STA. 1097+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND.
2	OHIO	F-336-7 FG-336-7 F-16-7	POST WAR

143
227

CLARK COUNTY
CLA. 40 – (15.18 – 23.88)

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
154	315		
		372	1100
47	279		
		139	798
28	152		
		120	959
37	366		
		104	1635
Sta. 1097+00		19	517

1087.20
315
154
1091.88
1101+00
1085.38

1083.50
5
250
1090.42
1100+00
1086.48
41
25

1083.00
10
76
1088.96
1099+00
1089.98
12
3
71

1078.00
11
78
1087.50
1098+00
1087.86
24
288

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1098+00 TO STA. 1101+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

144
227

CLARK COUNTY
CLA. 40 – (15.18 – 23.88)

Excavation 1928 Cu. Yds.
Embankment 2136 Cu. Yds.
Emb. + 20 % 2563 Cu. Yds.

End Area	Cu. Yds.
Cut	Fill	Cut	Fill
1129	2		
1901	45		
1204	53		
2096	67		
461	0		
1234	25		
296	15		
833	611		
Sta. 1101+00	154	315	

1096.26
1104+00
1110.98
1094
2:1
1151
1095.62
1103+56
1100.31
42
53
1094.62
1102+88
1098.63
461
1093.34
1102+00
1097.03
57
237
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

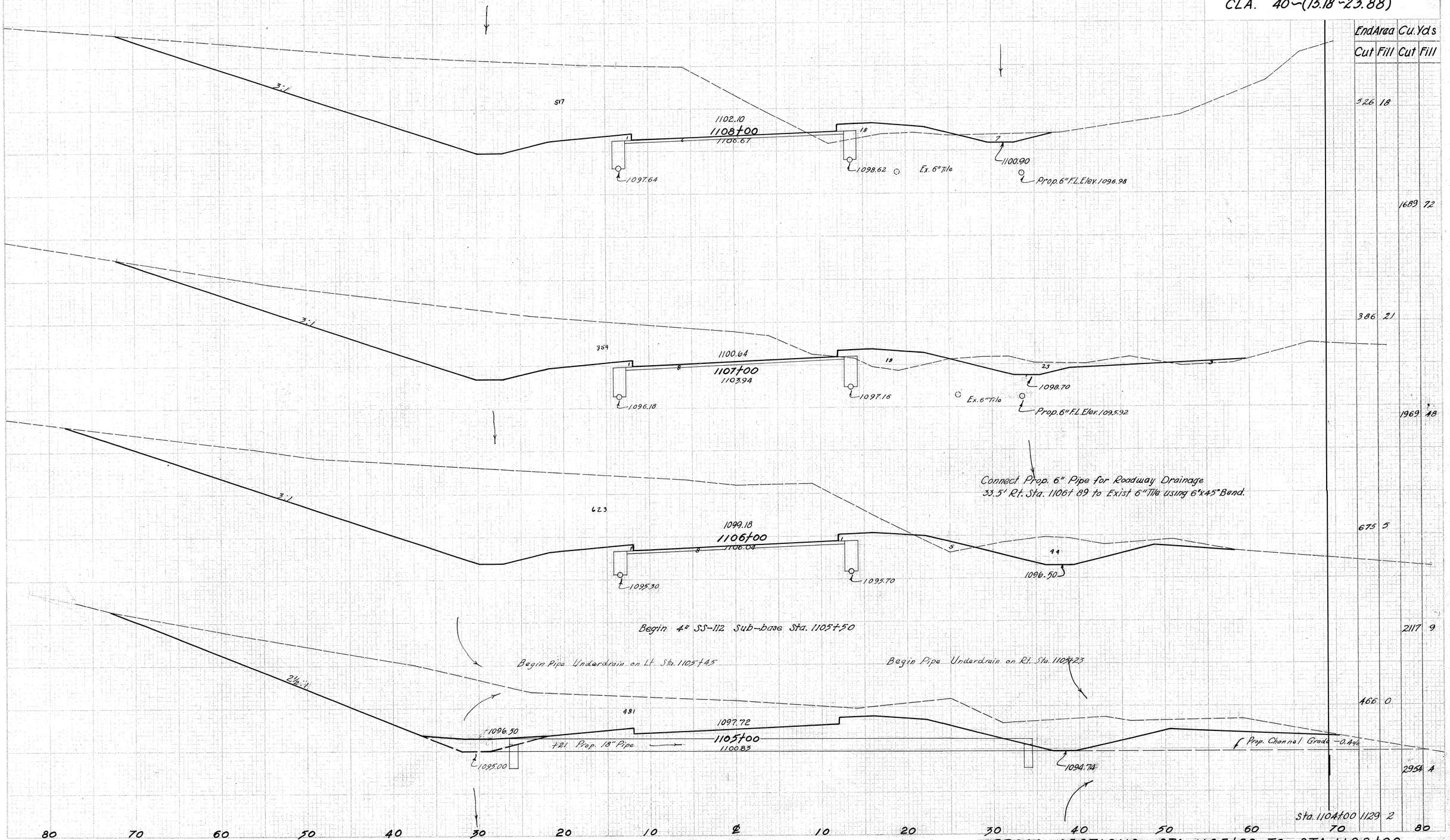
CROSS SECTIONS STA. 1102+00 TO STA. 1104+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FS-336-7 F-162	POST WAR

145
227

CLARK COUNTY
CLA. 40-(15.18-23.88)

End Area		Cu. Yds	
Cut	Fill	Cut	Fill
526	18		
		1689	72
386	21		
		1969	18
		675	5
		2117	9
		466	0
		2954	4



Sta. 1104+00 1129 2

CROSS SECTIONS STA. 1105+00 TO STA. 1108+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FA-336-7 F-10-2	POST WAR

146
227

CLARK COUNTY
CLA. 40 ~ (15.18 ~ 23.88)

	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
	20	34		
			120	106
Ahead	45	23		
Back	41	23		
℄				
			165	83
	210	22		
			685	49
	406	22		
			632	32
	447	22		
			1802	74
Sta 1108+00	526	18		

18
1107.94
1112+00
1106.78
1103.48
34
1103.80

End 4" SS-112 Sub-base and Begin 6" SS-112 Sub-base Sta. 1111+00

33
Back
Ahead
1106.48
1111+00
1105.58
1102.02
18
1102.67

175
1110+00
1104.77
1100.56
17
18
1103.10
1101.54
Ex. 6" Tile

Connect Prop. 6" Pipe for Roadway Drainage
33.5' RA Sta. 1109+93 to Exist. 6" Tile.

330
1104.14
1109+40
1103.97
1099.68
19
1102.44
1100.66
Ex. 6" Tile
Prop 6" F.L. Elev. 1098.42

400
1103.56
1109+00
1102.57
1099.10
22
1102.00
1100.08
Ex. 6" Tile
Prop. 6" F.L. Elev. 1098.00

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

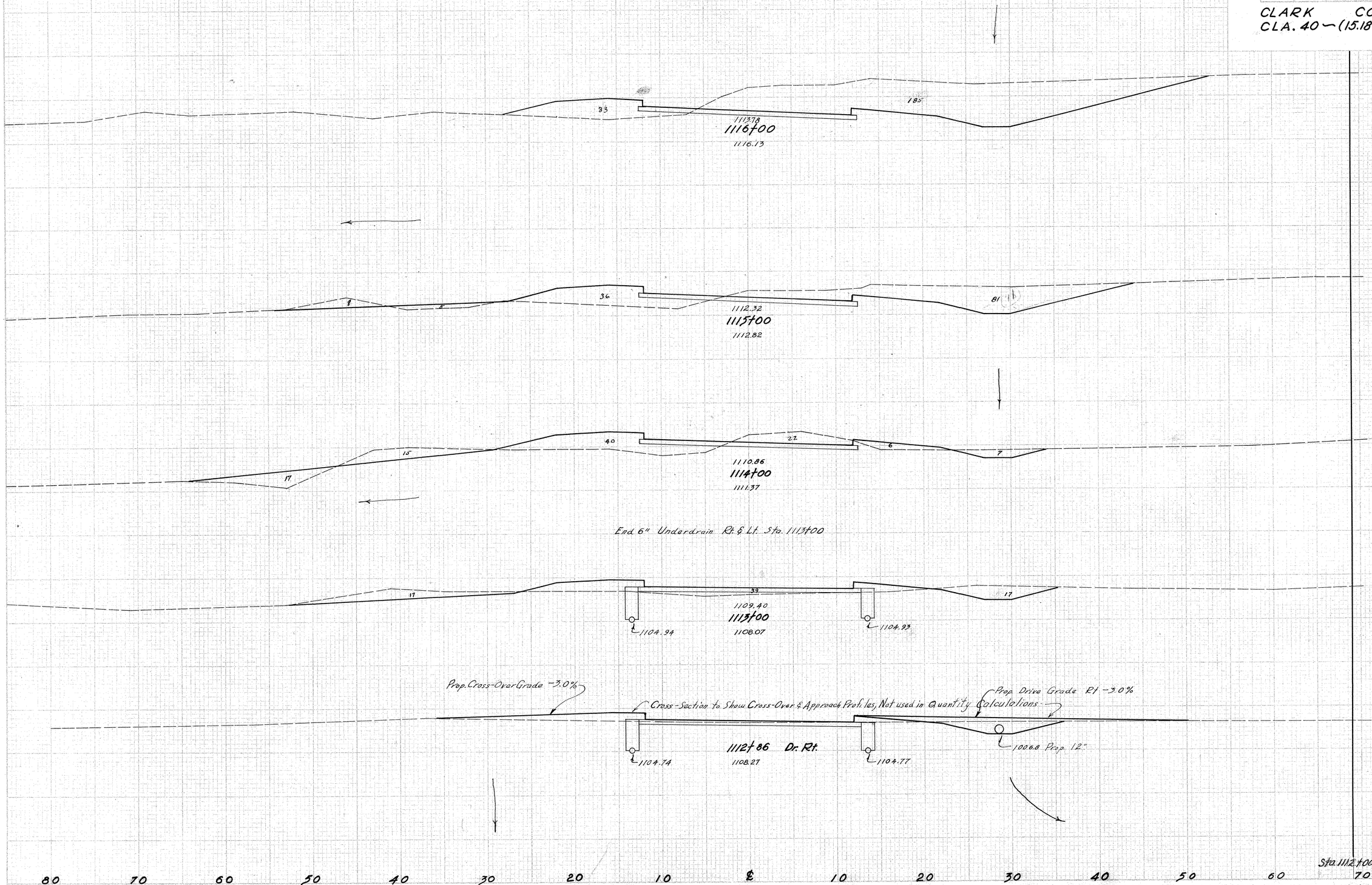
CROSS SECTIONS STA. 1109+00 TO STA. 1112+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

147
227

CLARK COUNTY
CLA. 40 — (15.18 - 23.88)

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
185	33		
		507	137
89	41		
		246	193
44	63		
144	189		
34	39		
		100	135
Sta. 1112+00	20	34	

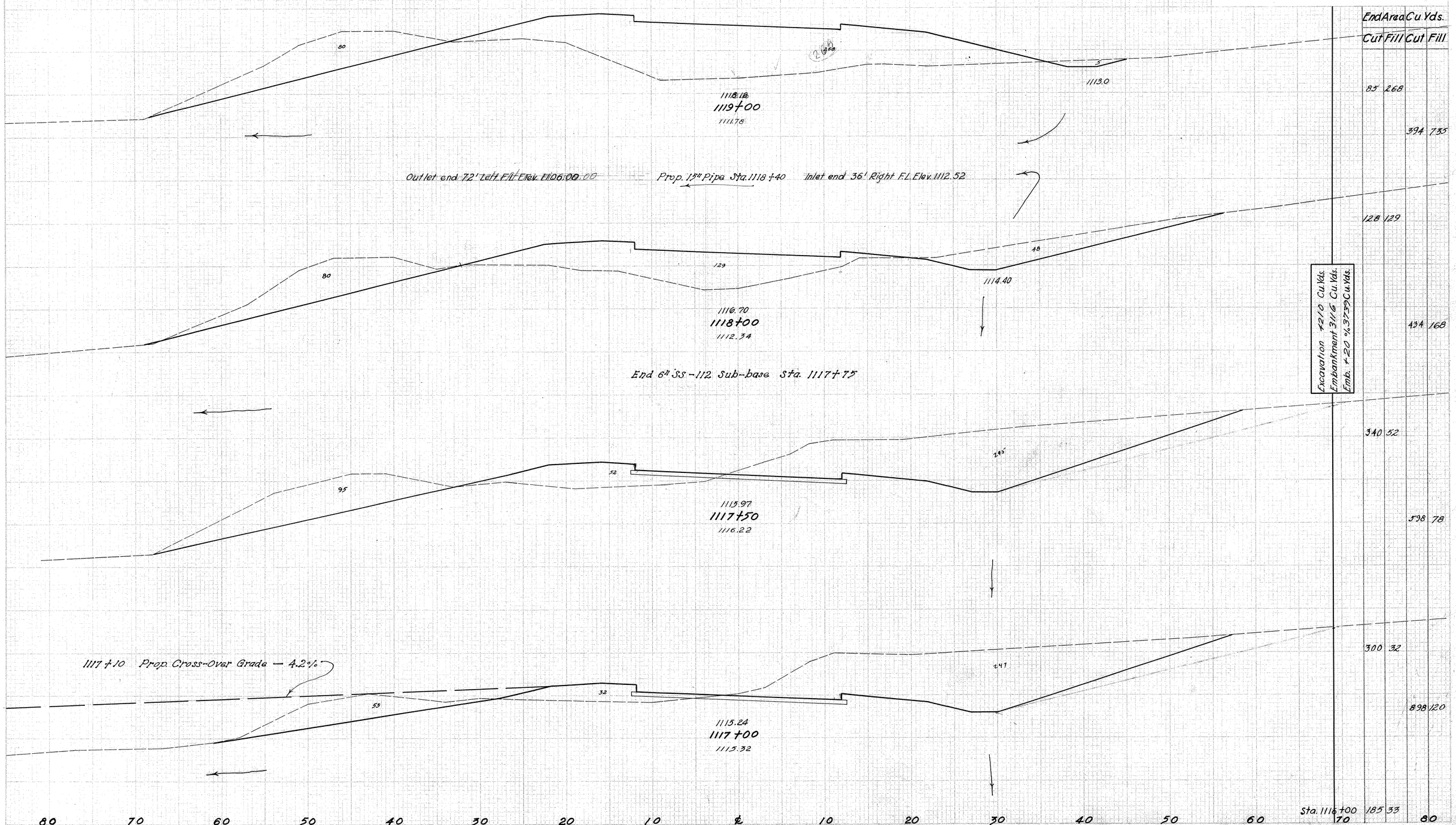


CROSS SECTIONS STA. 1112+86 TO STA. 1116+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 7-16-2	POST WAR

148
227

CLARK COUNTY
CL A. 40 – (15.18 – 23.88)



CROSS SECTIONS STA. 1117+00 TO STA. 1119+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

149
227

CLARK COUNTY
CLA. 40 (15.18~23.88)

End Area Cu. Yds.	
Cut	Fill
115	66
	263 780
27	355
	131 1430
44	417
	228 1448
79	365
	304 1172
Sta. 1119+00	85 268

1115.00
2
3
24
16
1120.50
62
1124.00
1123+00
1123.16
1119.50
70
1121.7
Begin 6" Underdrain on Lt. Sta. 1122+48
Begin 6" Underdrain on Rt. Sta. 1122+30
Begin 4" SS-112 Sub-base sta. 1123+00
1111.60
75
22
280
1122.54
1122+00
1118.25
1116.50
90
80
1121.08
1121+00
1112.17
385
1114.10
1119.62
1120+00
1111.63
364
1113.80

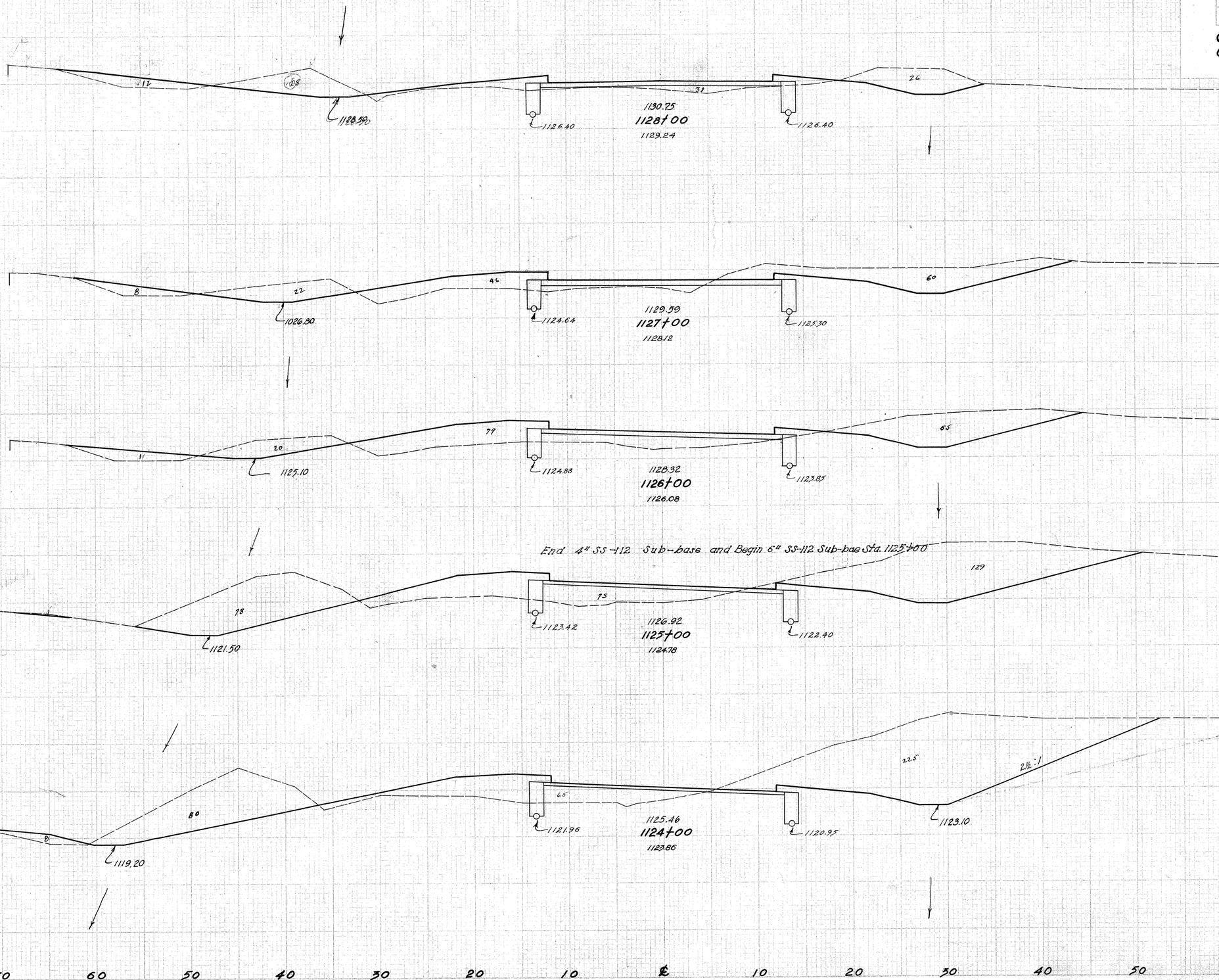
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1120+00 TO STA 1123+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

130
227

CLARK COUNTY
CLA. 40 – (15.18 – 23.88)



	End Area Cu. Yds.	
	Cut	Fill
80		
70		
60	51	50
50		246
40		193
30	82	54
20		291
10		267
℄	75	90
10		322
20		307
30	207	76
40		948
50		276
60	305	73
70		778
80		257

Excavation 3627 Cu. Yds.
Embankment 5462 Cu. Yds.
Emb. 20 % 6554 Cu. Yds.

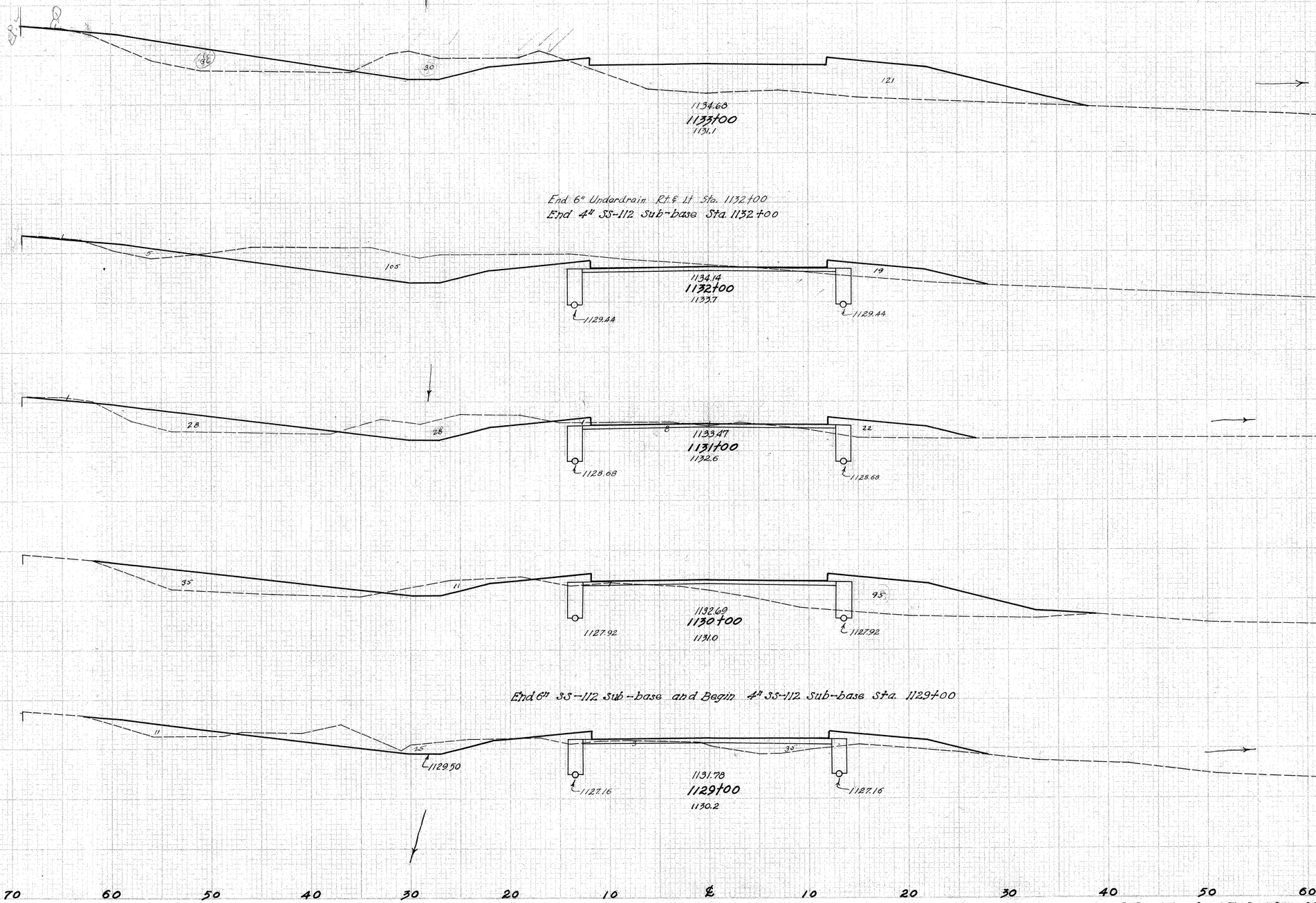
Sta. 1123+00 115 66

CROSS SECTIONS STA. 1124+00 TO STA. 1128+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-256-7 FG-256-7 F-16-2	POST WAR

151
227

CLARK COUNTY
CLA. 40 - (15.18 - 23.88



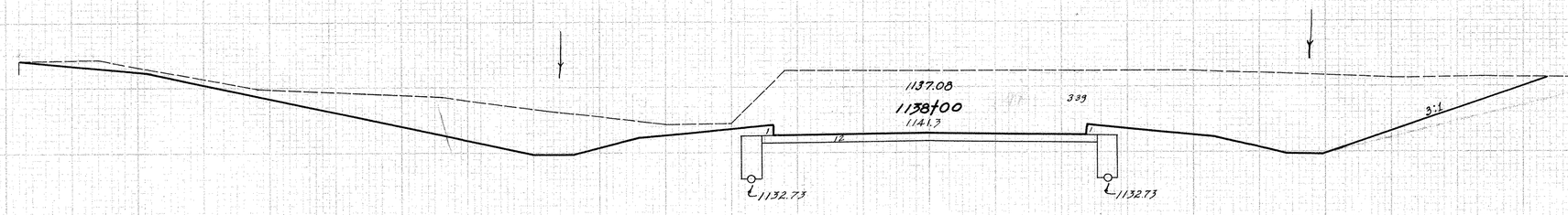
End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
31	137		
		254	335
106	24		
		265	141
37	52		
		91	337
12	130		
		74	326
28	46		
		146	178
Sta. 1128+00	51	50	

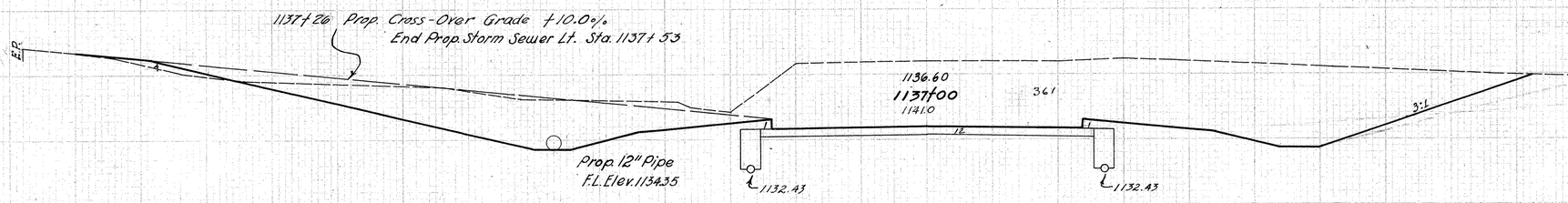
CROSS SECTIONS STA. 1129+00 TO STA. 1133+0

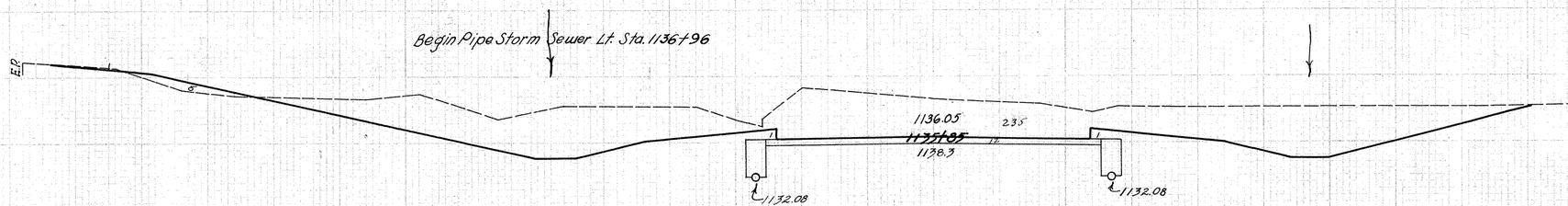
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-1 F-16-2	POST WAR

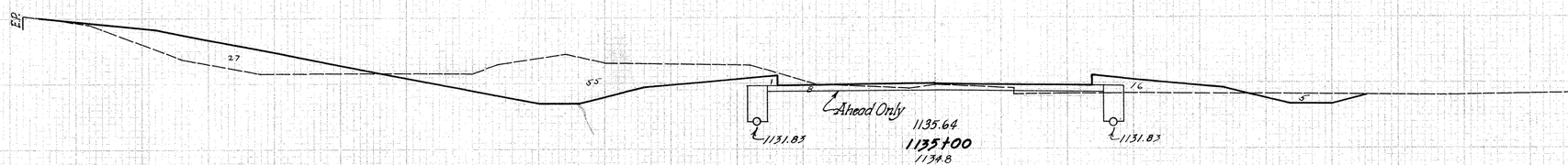
472
227

CLARK COUNTY
CLA. 40 – (15.18 – 23.88)



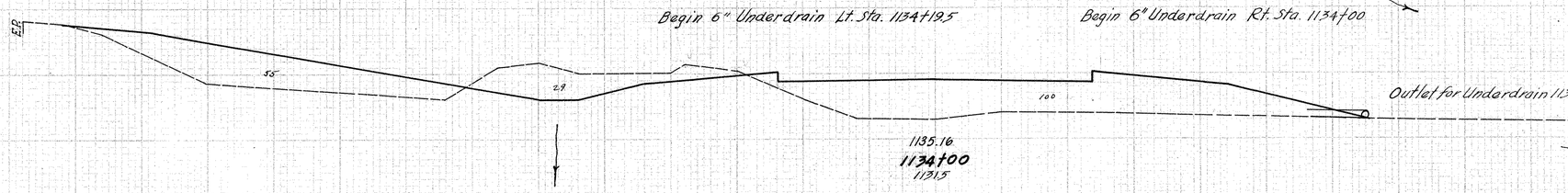






Begin 6" Underdrain Lt. Sta. 1134+19.5

Begin 6" Underdrain Rt. Sta. 1134+00



	End Area Cu. Yds. Cut	Fill	Cut	Fill
	353	0		
			1348	7
	375	4		
			1331	20
	250	5		
			502	76
Ahead	69	43		
Back	60	43		
			165	367
	29	155		
			111	578
Sta. 1133+00	31	157		

Excavation 7375 Cu. Yds.
Embankment 8173 Cu. Yds.
Emb. 20 % 2278 Cu. Yds.

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1134+00 TO STA. 1138+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

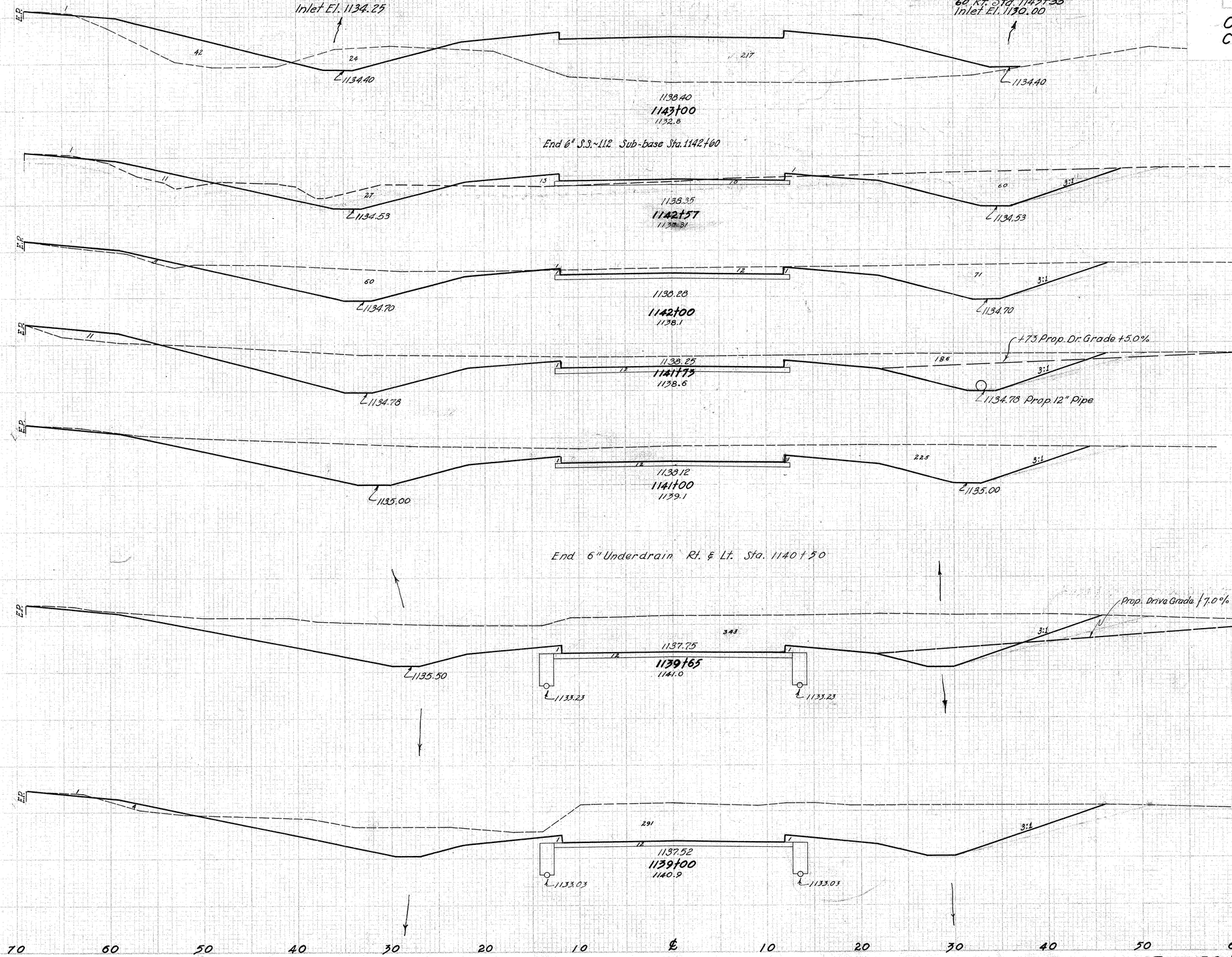
153
227

CLARK COUNTY
CLA. 40 – (15.18-23.88)

Std. I-8 C.B. No. 1-2A
36' Lt. Sta. 1143+20
Inlet El. 1134.25

Structure 1143+25

Std. I-8 C.B. No. 1-2A
on Structure
66' Rt. Sta. 1143+33
Inlet El. 1130.00



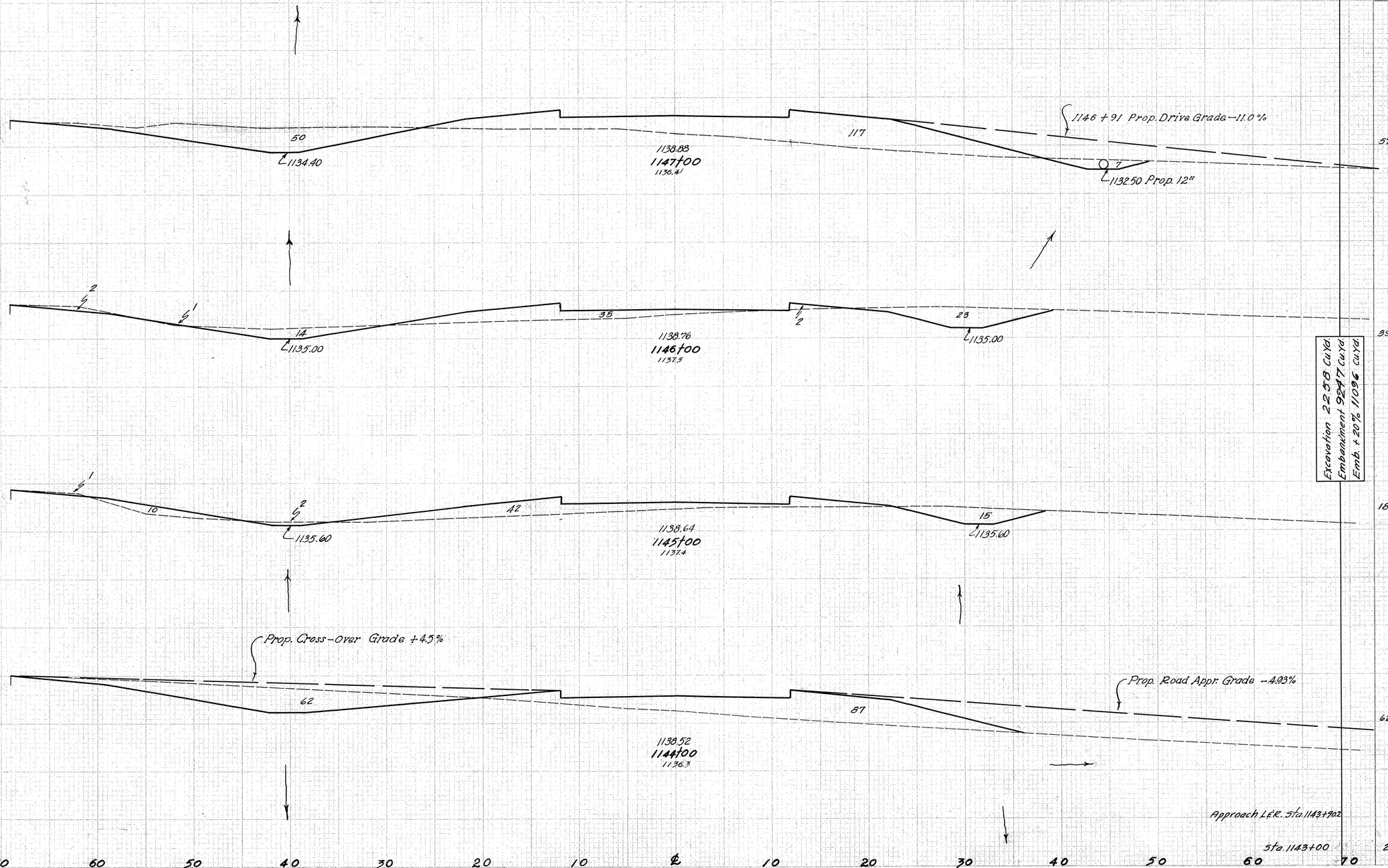
Sta.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
	25	259		
			99	225
	99	24		
				258 32
	145	6		
			173	8
	200	11		
			593	15
	239	0		
			1490	0
	357	0		
			798	5
	306	4		
			1220	7
Sta. 1138+00	353	0		

CROSS SECTIONS STA. 1139+00 TO STA. 1143+00

FED. ROAD DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	FG-556-1 FG-556-1 F-16-2	POST WAR

154
227

CLARK COUNTY
CLA. 40 – (15.18-23.88)



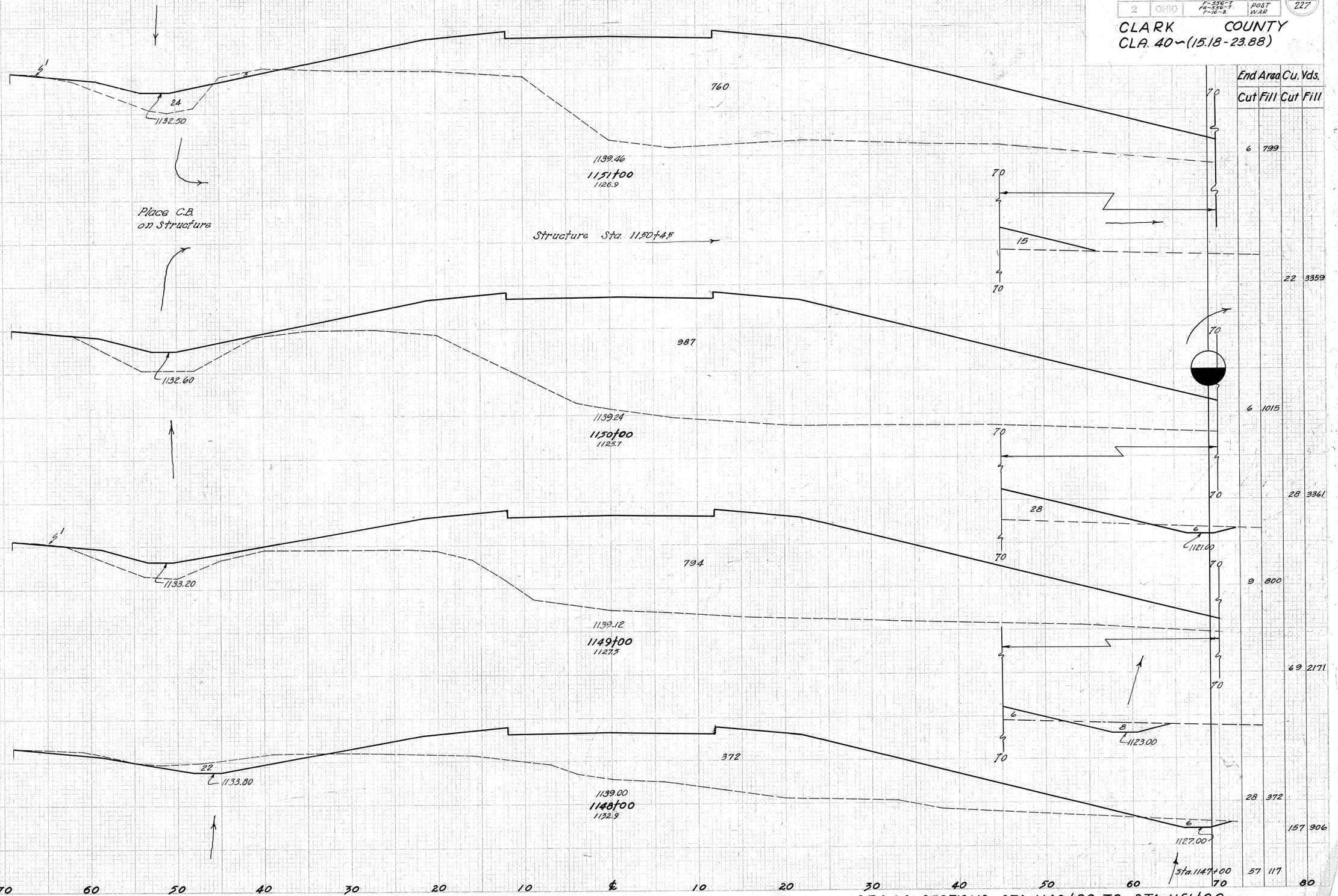
	End Area Cu. Yds.	
	Cut	Fill
	57	117
	178	287
	39	38
	106	167
	18	52
	148	257
	62	87
	161	641
Approach L&R. Sta. 1143+92	288	1179
Sta. 1143+00	25	259

Excavation 2258 Cu Yds
Embankment 9247 Cu Yds
Emb. +20% 11096 Cu Yds

CROSS SECTIONS STA. 1144+00 TO STA. 1147+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND	155 227
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR	

CLARK COUNTY
CLA. 40 ~ (15.18 - 23.88)

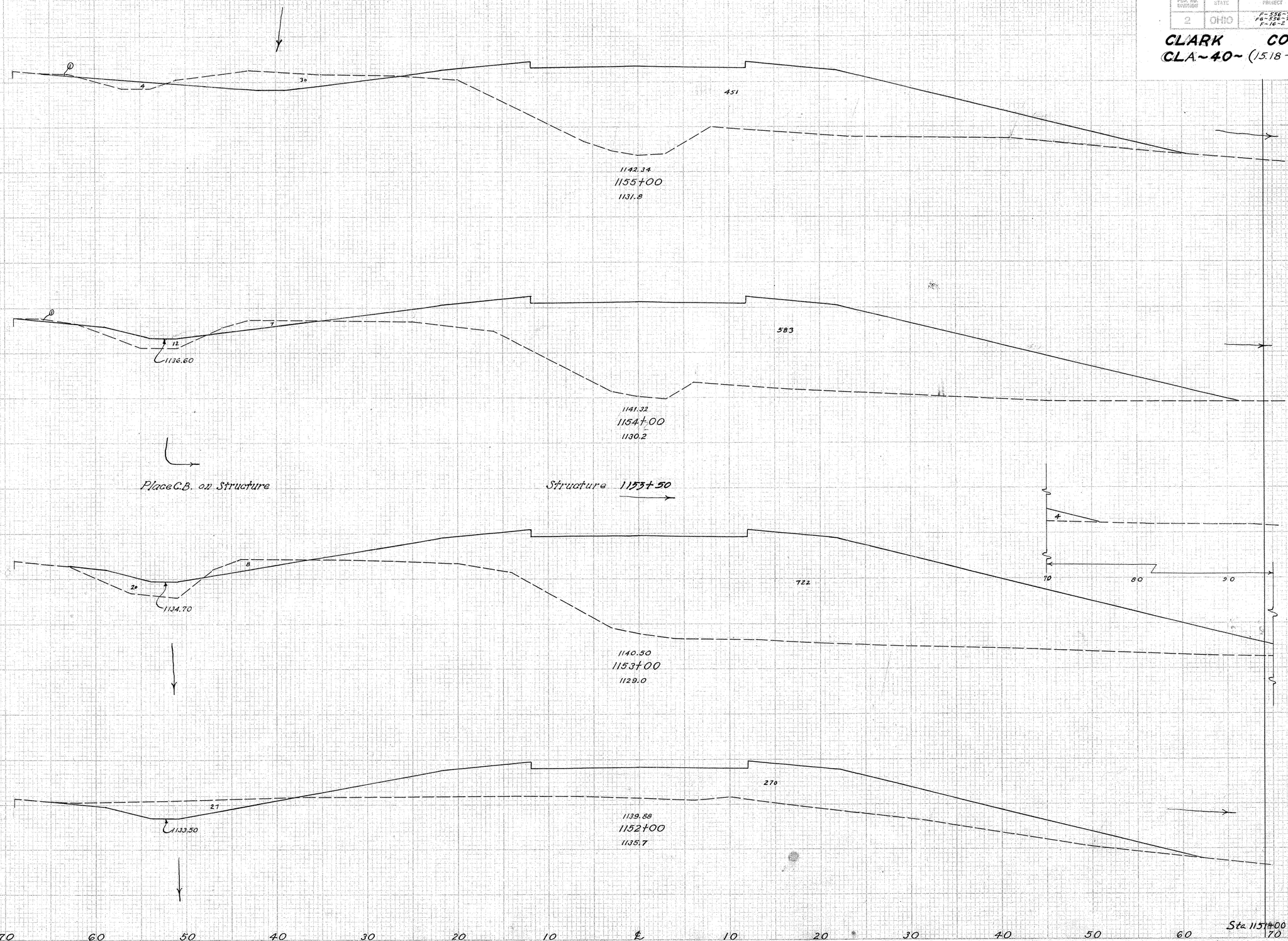


CROSS SECTIONS STA. 1148+00 TO STA. 1151+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-536-7 FA-536-7 F-16-2	POST WAR

156
227

CLARK COUNTY
CLA-40- (15.18 - 23.88)



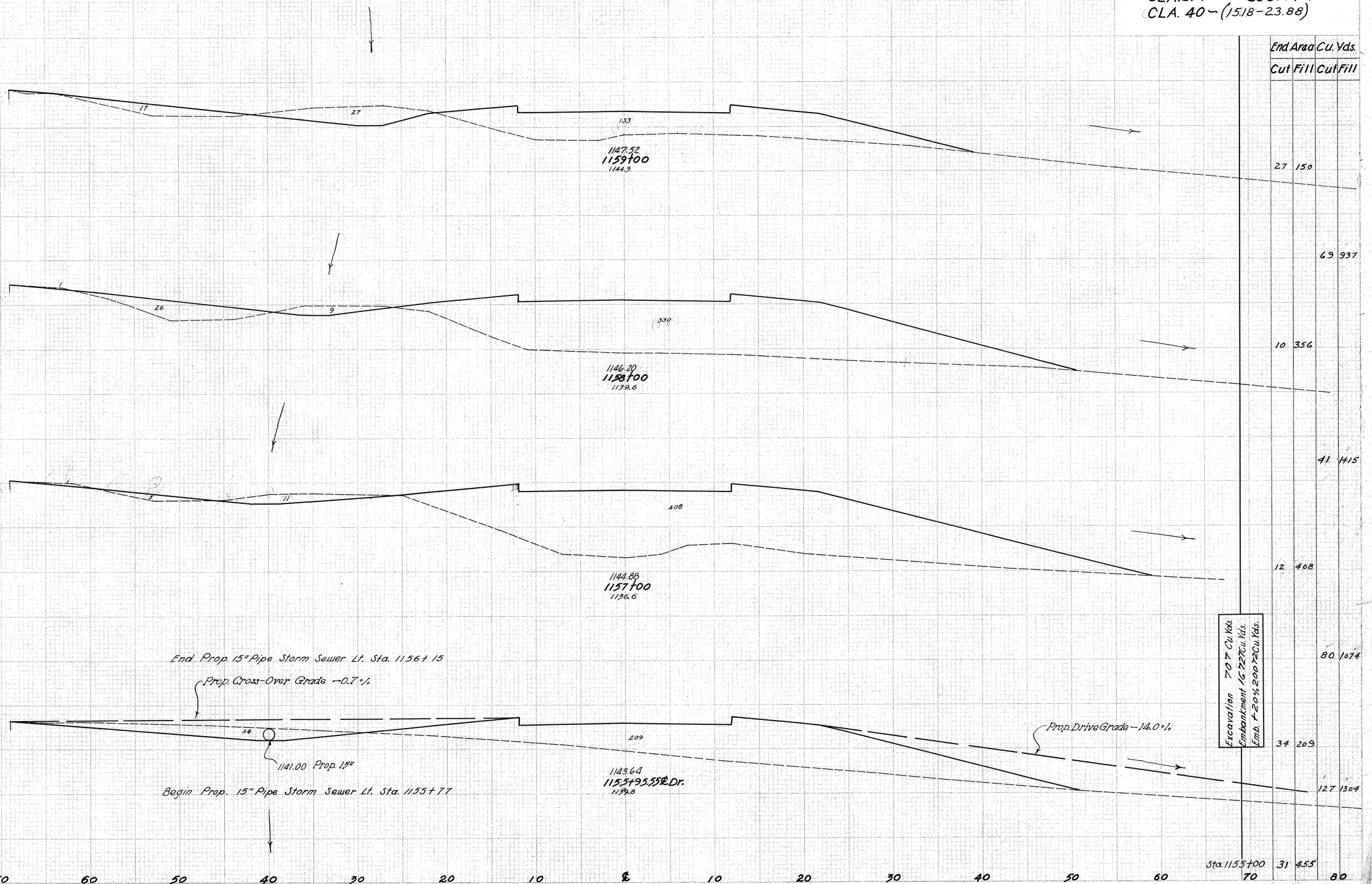
Sta.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
			31	455
			72	1945
			8	595
			37	2476
			12	742
			72	1874
			27	270
			61	1380
Sta. 1151+00			6	799

CROSS SECTIONS STA. 1152+00 to STA. 1155+0

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

137
227

CLARK COUNTY
CLA. 40 - (15.18 - 23.88)



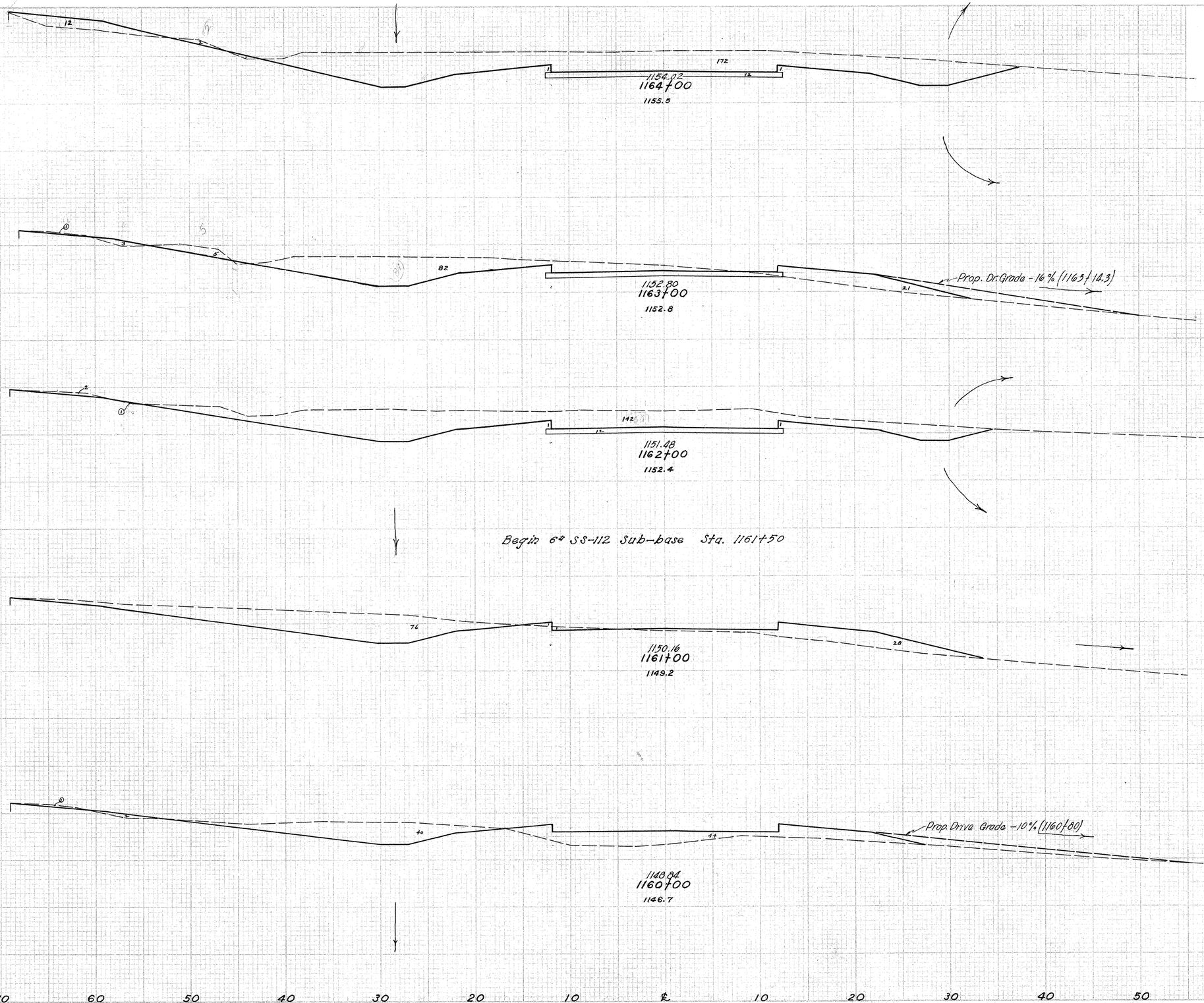
CROSS SECTIONS STA. 1156+06 TO STA. 1159+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

158 227

CLARK COUNTY

CLA. 40 ~ (15.18 - 23.88)



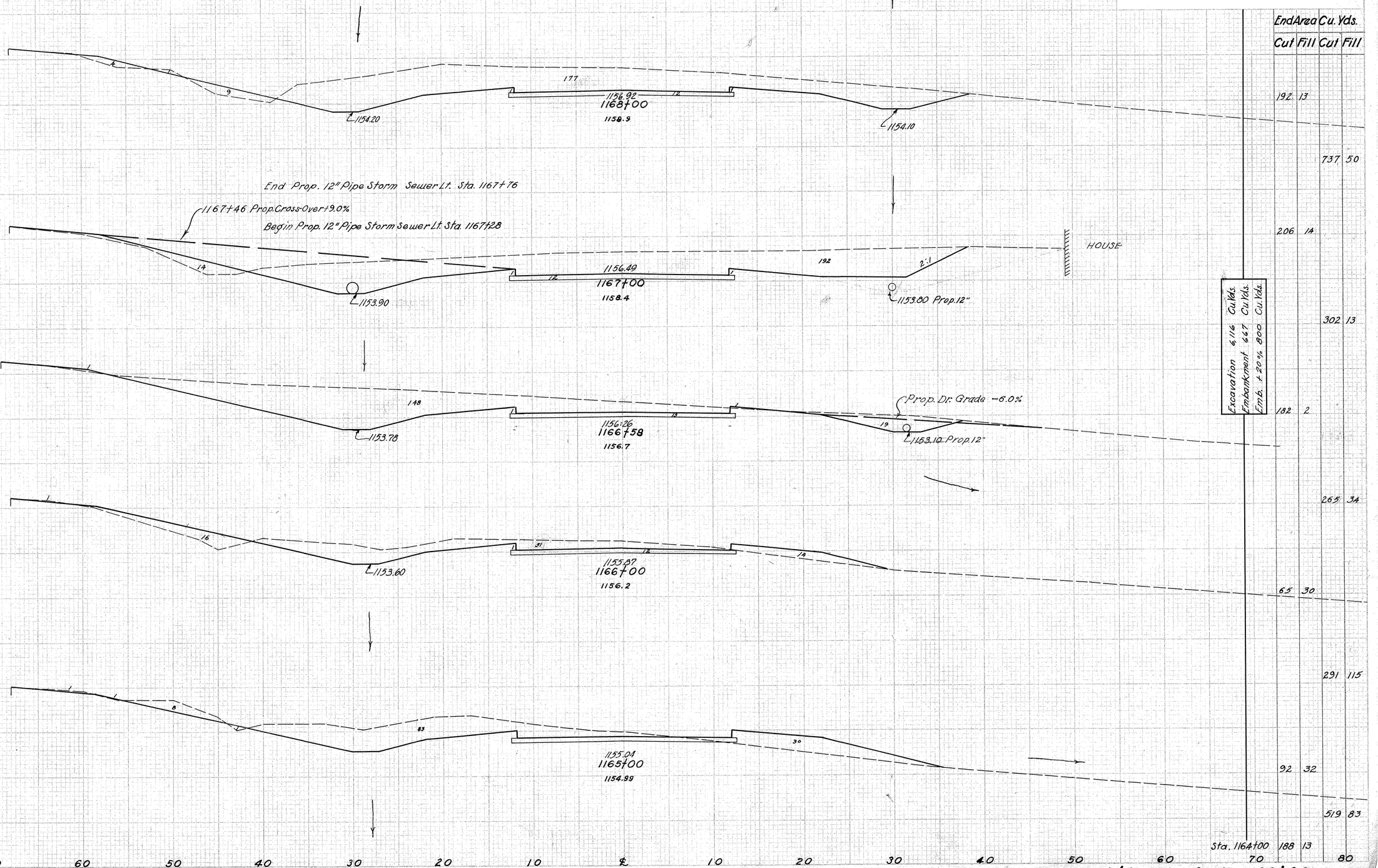
Sta.	End Area Cu. Yds. Cut	Fill	Cut	Fill
	188	13		
			511	70
	88	25		
			459	48
	160	1		
			439	56
			77	29
			219	139
			41	46
			126	363
Sta. 1159+00	27	150		

CROSS SECTIONS STA. 1160+00 to STA. 1164+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-55L-7 FG-33L-7 F-1L-2	POST WAR

159
727

CLARK COUNTY
CLA. 40~(15.18-23.88)



	End Area Cu. Yds.	
	Cut	Fill
	192	13
		737 50
	206	14
		302 13
	182	2
		265 34
	65	30
		291 115
	92	32
		519 83
Sta. 1164+00	188	13

Excavation 6,116 Cu. Yds.
Embankment 667 Cu. Yds.
Emb. ± 20% 800 Cu. Yds.

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

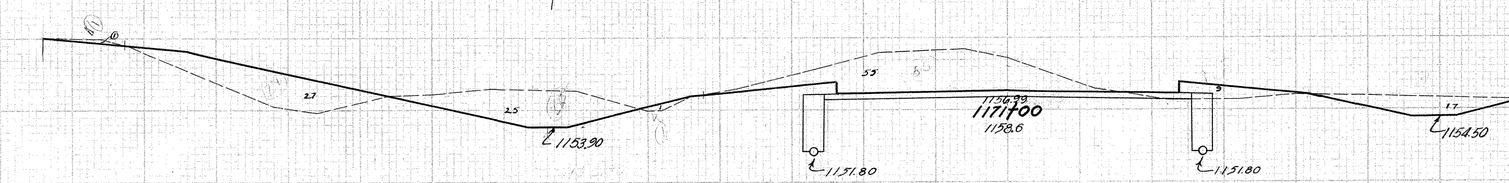
CROSS SECTIONS STA. 1165+00 to STA. 1168+00

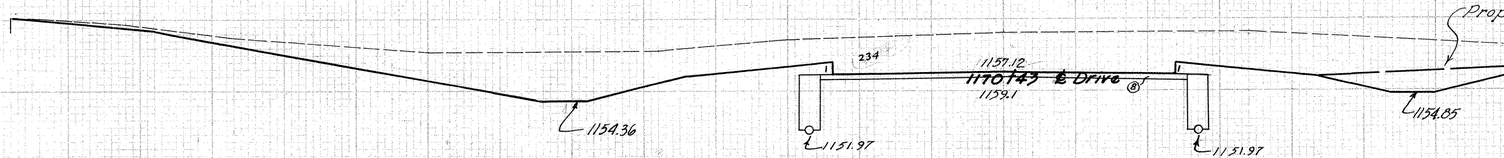
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

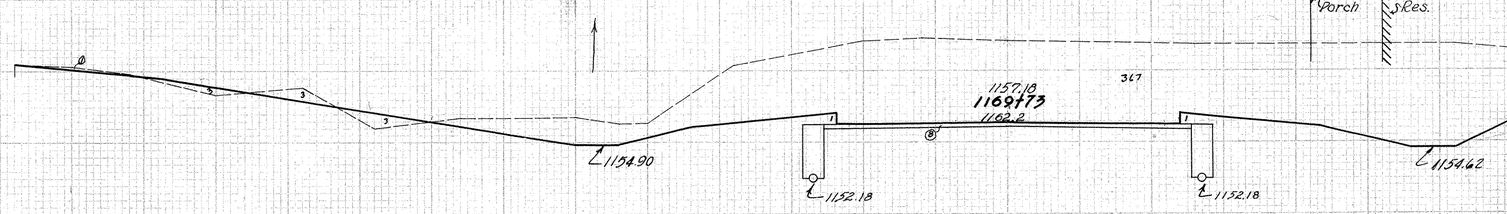
160
227

CLARK COUNTY
CLA.40 – (15.18-23.88)

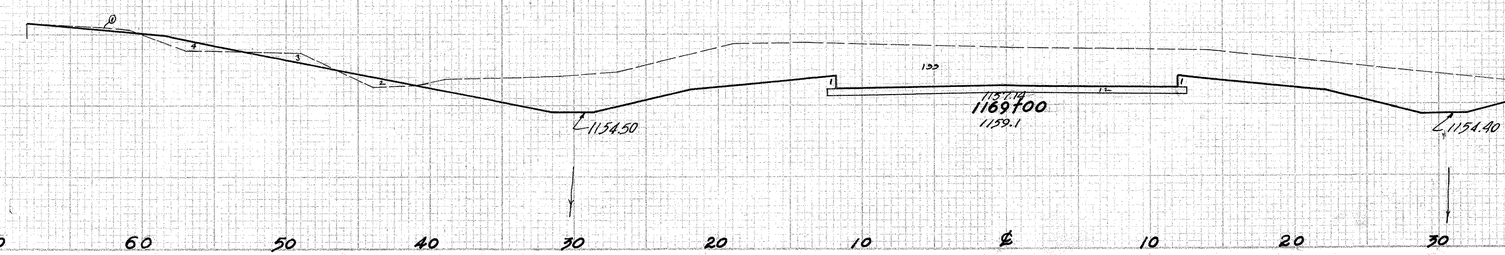
End 4" SS-112 Sub-base Sta. 1171+50







Begin 4" SS-112 Sub-base Sta. 1169+50
Begin 6" Underdrain on Rt. & Lt. Sta. 1169+50
End 6" SS-112 Sub-base Sta. 1169+50



	End Area Cu. Yds.	
	Cut	Fill
	92	37
		355 39
	244	0
		809 8
	381	6
		868 K
	217	6
		757 35
Sta. 1168+00	192	13

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1169+00 TO STA. 1171+00

FED. RTE. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-162	POST WAR

161
227

CLARK COUNTY
CLA.40 — (15.18-23.88)

Place C.B. on Structure

Structure Sta. 1175+68

End 6" SS-112 Sub-base Sta. 1175+20

1155.90
1175+00
1155.8

Excavation 2392 Cu. Yd.
Embankment 5687 Cu. Yd.
Emb. + 20 % 6764 Cu. Yd.

Prop. Drive Grade — 6.0 %

1156.18
1174+23 ℄ Drive
1155.8

Begin 6" SS-112 Sub-base Sta. 1174+10

House

1153.90

1156.18
1174+00
1154.0

1152.50

1153.50

1156.45
1173+00
1150.0

1148.00

Place C.B. on Structure

Structure Sta. 1172+13

1153.10

1156.72
1172+00
1149.7

1150.11

1149.00

End 6" Underdrain on Lt. Sta. 1169+77

	End Area Cu. Yds.	
	Cut	Fill
Cut Fill		
93	8	
249	22	
82	7	
44	34	
22	73	
91	813	
27	36.6	
78	474	
15	430	
198	865	
Sta. 1171+00	92	37

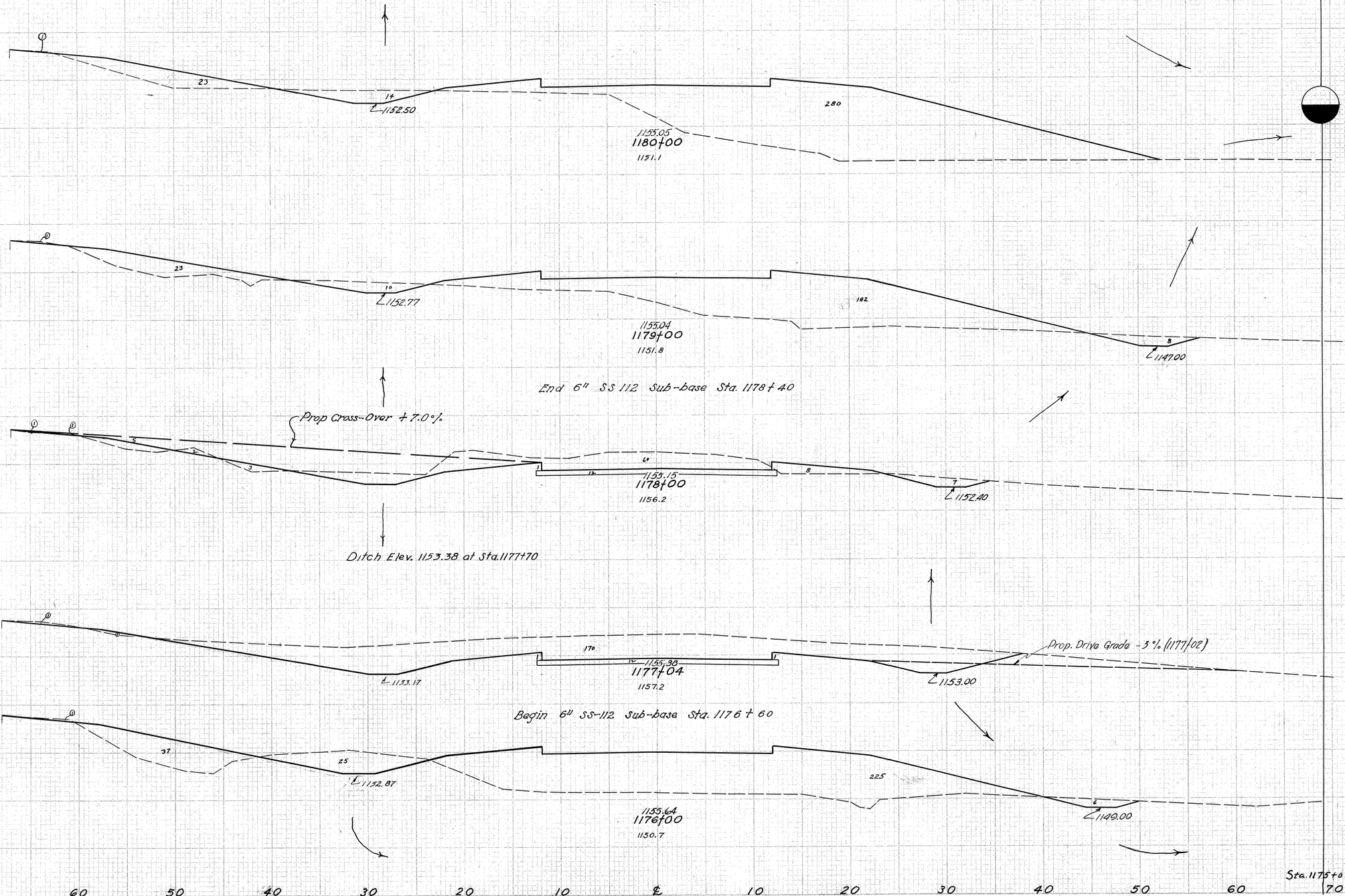
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1172+00 TO STA. 1175+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-535-7 F-16-2	POST WAR

162
227

CLARK COUNTY
CLA. 40~ (15.18 - 23.88)

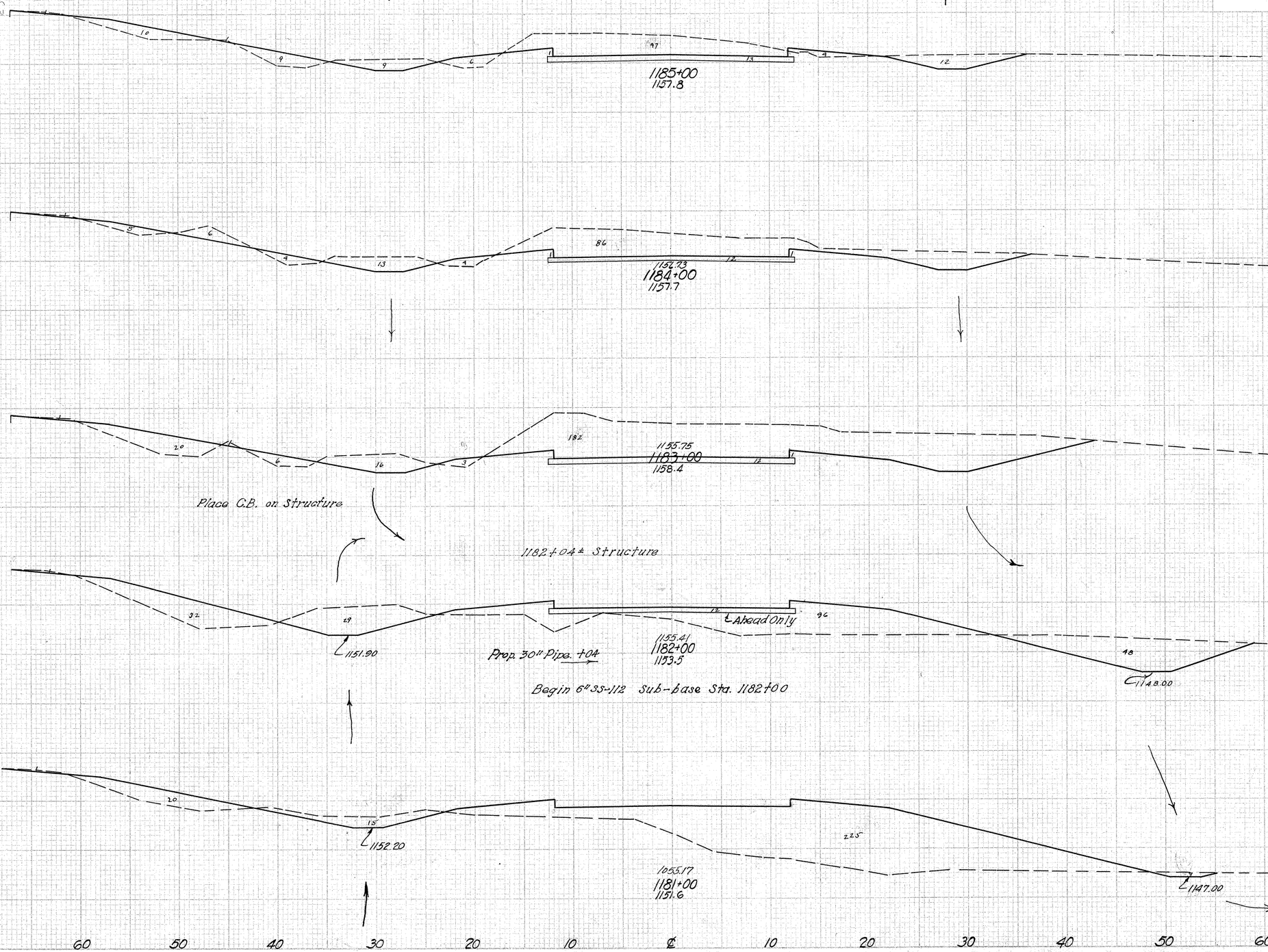


CROSS SECTIONS STA. 1176+00 to STA. 1180+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	S-356-7 FAS-356-7 F-1.6-2	POST WAR

163
227

CLARK COUNTY
CLA.-40- (15.18 – 23.88)



End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
84	29		
		378	78
120	13		
		619	78
214	29		
		563	291
Ahead	90	128	
Back	78	128	
		180	691
19	245		
		63	1015
Sta. 1180+00	15	303	

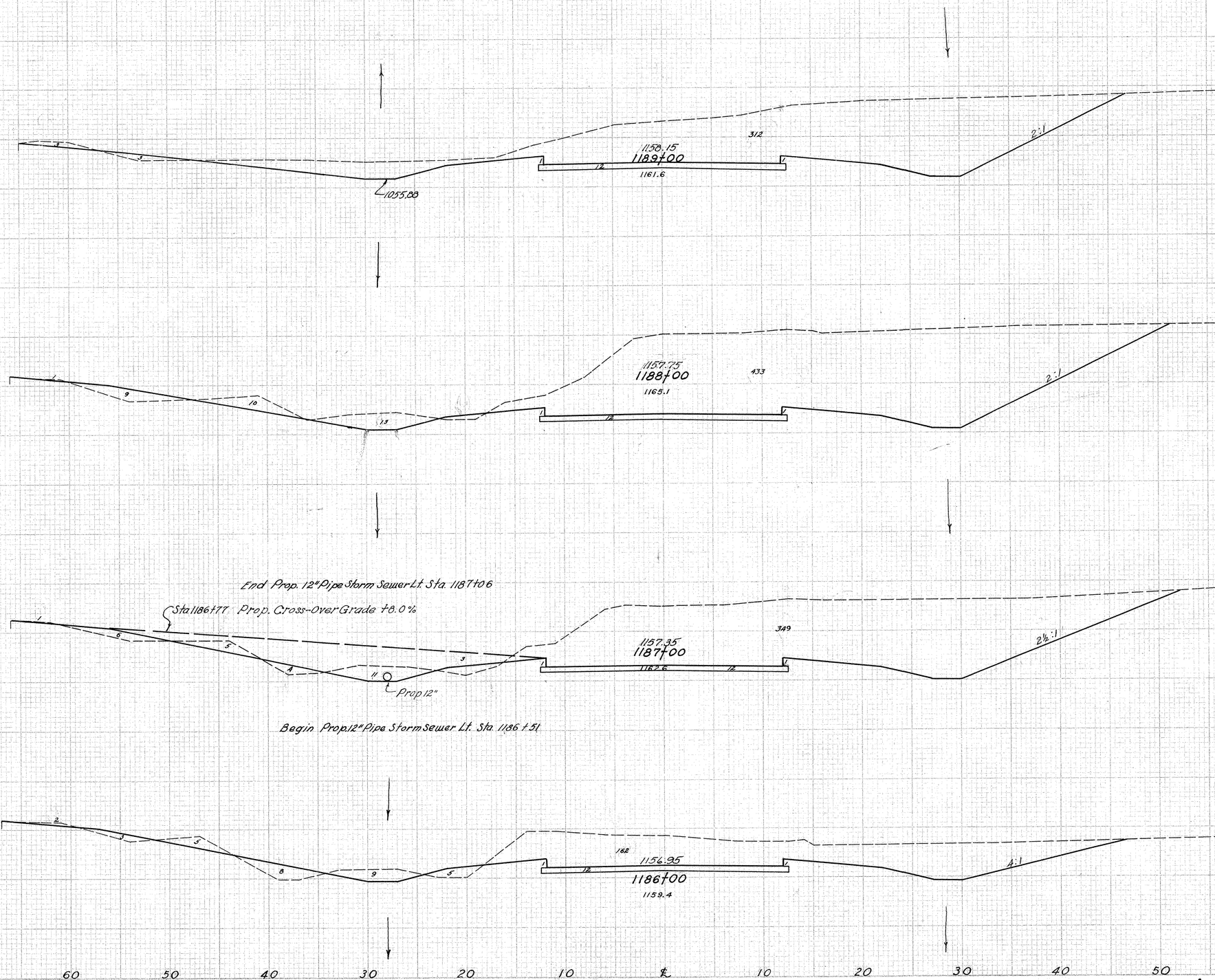
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

X-SECTIONS STA. 1181+00 TO STA. 1185+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

164
2.27

CLARK COUNTY
CLA.-40- (15.18 - 23.88)



Sta.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
	327	3		
			1478	26
	471	11		
			1957	44
	370	13		
			1059	54
	202	16		
			530	83
Sta. 1158+00	84	29		

Excavation 7944 Cu. Yds.
Embankment 2382 Cu. Yds.
Emb. +20% 2858 Cu. Yds.

8.0 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1186+00 to STA. 1189+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-7	POST WAR

165
227

CLARK COUNTY
CLA-40- (15.18-23.88)

1192+28 Prop. Structure

1153.30

1159.35
1192+00
1155.3

End 6" SS-112 Sub-base Sta. 1191+50

Prop. Drive Grade +4.0%

1153.87

1153.09
1191+34 ℄ Dr.
1158.7

1154.16

1158.95
1191+00
1160.8

1158.55
1190+00
1162.9

	End Area Cu. Yds.	
	Cut	Fill
38	247	
218	300	
140	4	
251	21	
259	29	
1391	70	
492	9	
1517	22	
Sta. 1189+00	327	3

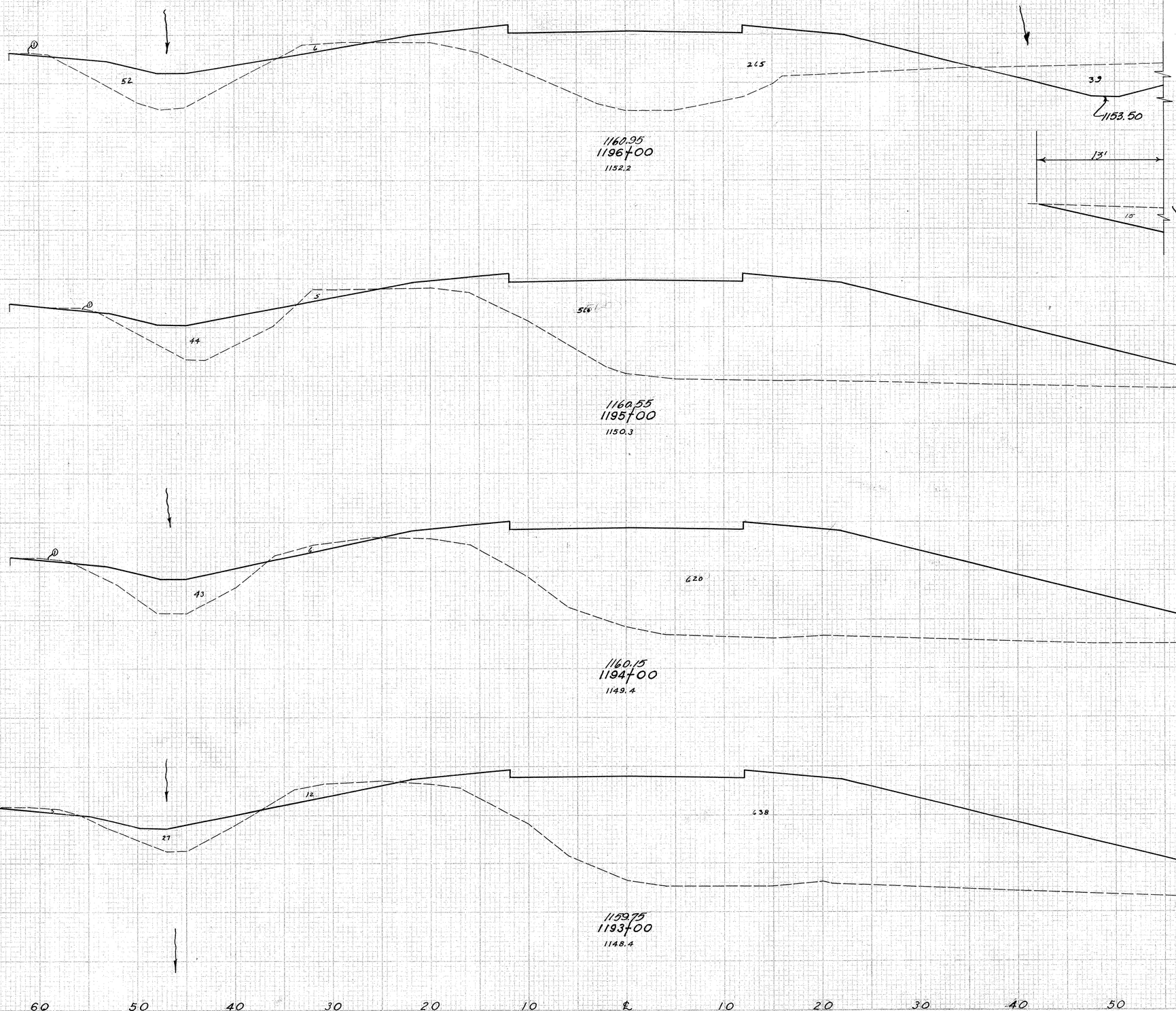
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1190+00 to STA. 1192+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND.
2	OHIO	F-336-7 FG-336-7 F-11-2	POST WAR

166
227

CLARK COUNTY
CLA. 40 ~ (15.18 - 23.88)



End Area Cu. Yds.

Cut	Fill	Cut	Fill
		61	317
		133	1706
		14	604
		54	2376
		15	663
		63	2459
		13	665
		106	1689
Sta. 1192+00		38	247

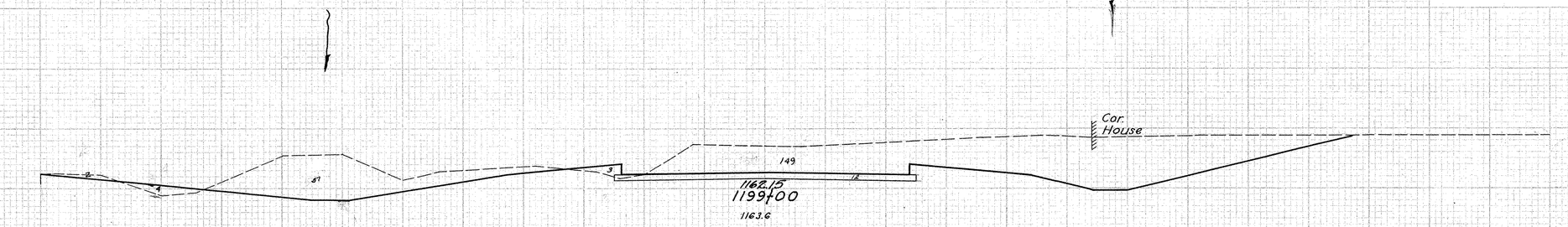
CROSS SECTIONS STA. 1193+00 to STA. 1196+00

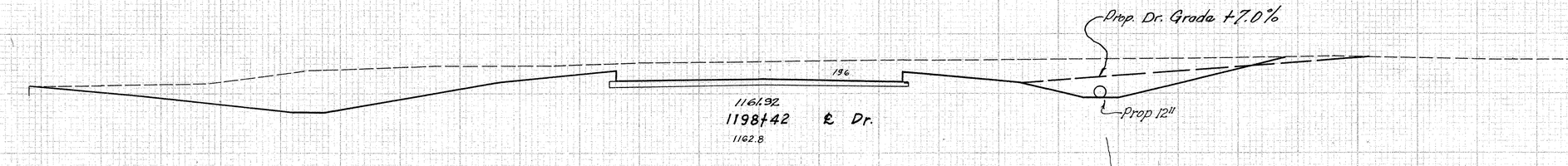
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

162
227

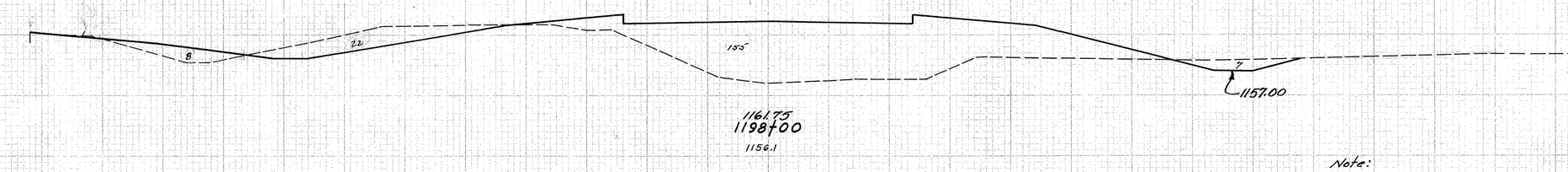
CLARK COUNTY

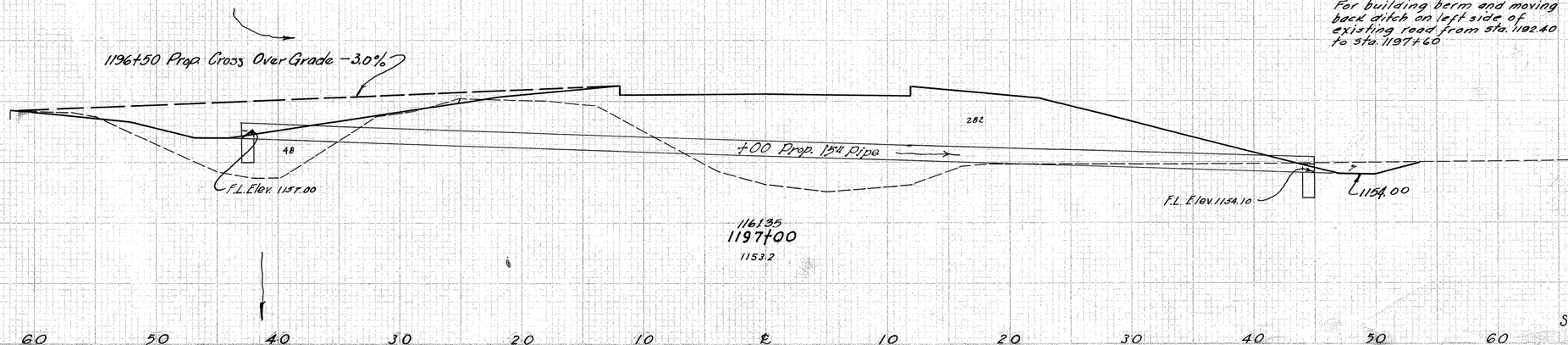
CLA. 40~ (15.18 ~ 23.88)





Begin 6" SS-112 Sub-base Sta. 1198+30





End Area Cu. Yds.			
Cut	Fill	Cut	Fill
		215	7
		441	8
		196	0
		176	127
		30	163
		72	913
		454	1011
		9	330
		130	1198
		Sta. 1196+00	61 317

Excavation 4078 Cu. Yds.
Embankment 11,904 Cu. Yds.
Emb. ÷ 20 % 14285 Cu. Yds.

Note:
For building berm and moving back ditch on left side of existing road from sta. 1192.40 to sta. 1197+60

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

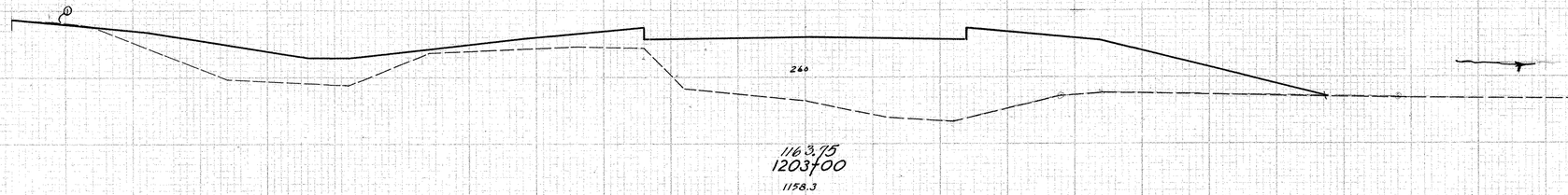
CROSS SECTIONS STA. 1197+00 to STA. 1199+00

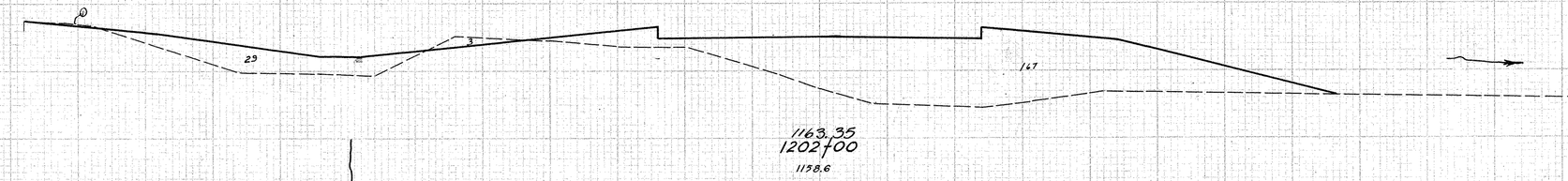
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

168
227

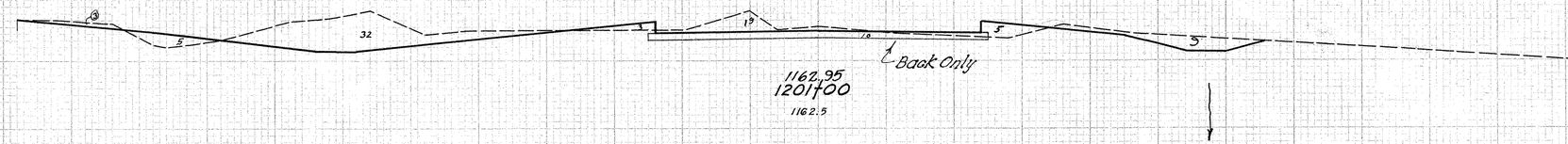
CLARK COUNTY

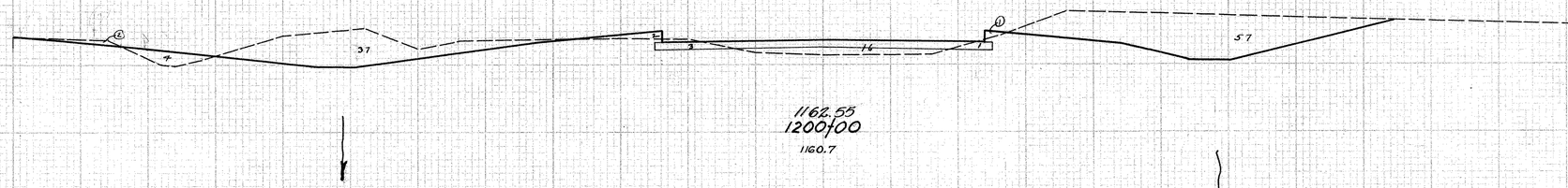
CLA. 40~ (15.18 - 23.88)





End 6" SS -112 Sub-base Sta. 1201+00





	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
1	260			
				9 844
4	196			
			124	387
Ahead	63	13		
Back	73	13		
			320	67
			100	23
			583	56
Sta. 1193+00	215	7		

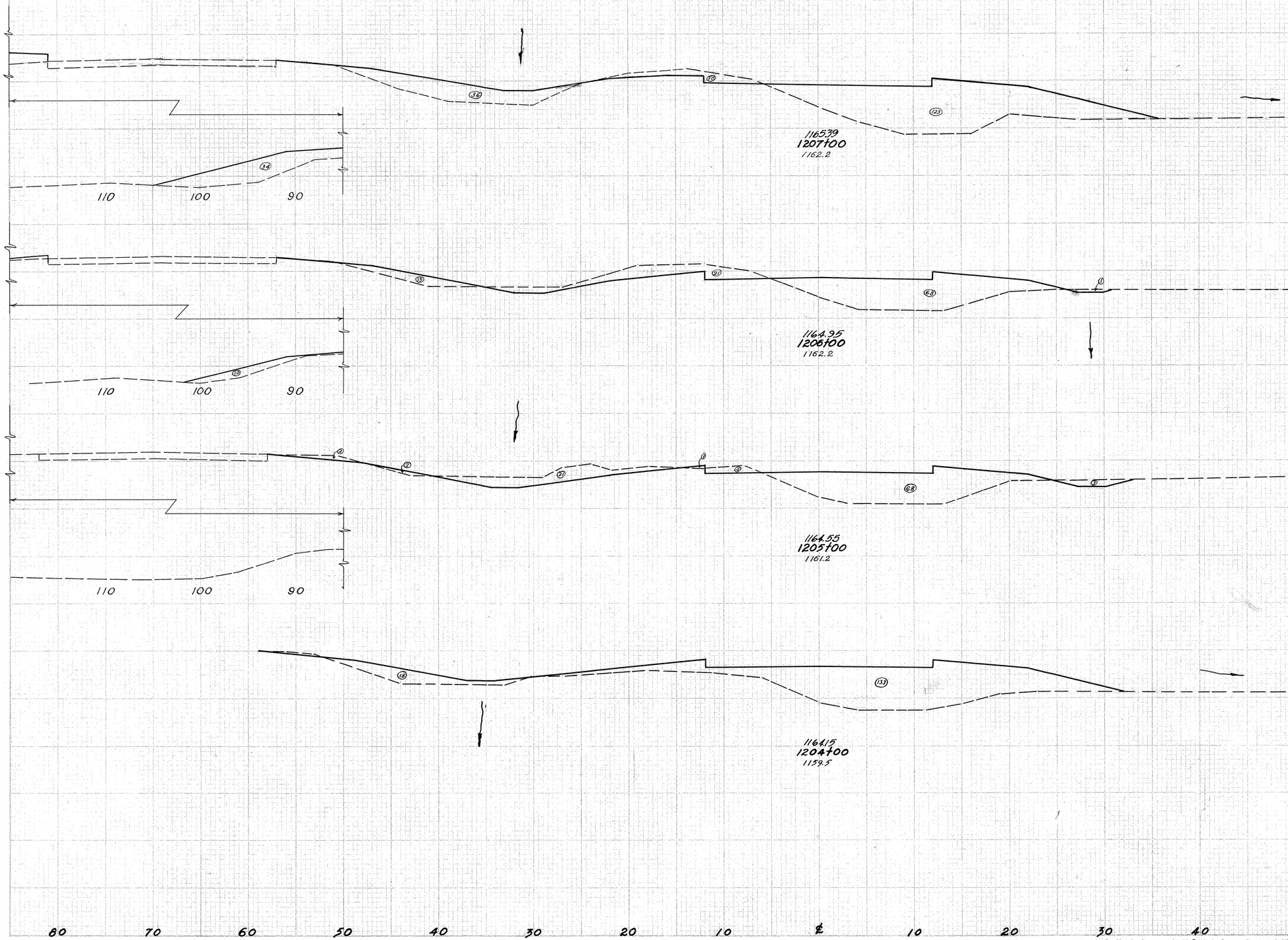
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1200+00 to STA. 1203+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	E-336-7 FG-336-7 P-18-2	POST WAR

169
227

CLARK COUNTY
CLA.-40-(15.18~23.88)



	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
10	193			
			59	530
22	93			
			96	304
30	71			
			57	411
1	151			
			4	761
Sta. 1203+00	1	260		

Excavation 789 Cu. Yd.
Embankment 4705 Cu. Yd.
Emb. + 20% 5646 Cu. Yd.

CROSS SECTIONS STA. 1204+00 TO STA. 1207+00

FED. RD. INVENT.	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7	POST WAR

170
227

CLARK COUNTY
CLA.-40-(15.18-23.88)

End Area Cu. Yds.			
Cut	Fill	Cut	Fill
		136	18
		331	202
		43	91
		113	439
		57	657
		13	209
		43	744
		10	193

	Cu. Yds.	Cu. Yds.	Cu. Yds.
Excavation	119		
Embankment	439		527
Emb. ±20%			

1210+00

BEGIN SECTION MUNICIPAL
END SECTION RURAL STA. 1209+00

Sta. 1207+00

1167.89
1211+00
1169.00
1165.71
1164.11
1167.89
1163.31
1165.60

1167.15
1210+00
1166.00
1164.91
Begin 6" Underdrain Lt Sta 1209+63
1163.26
1167.15
1162.46
1164.00

Begin 4" SS-112 Sub-base Sta. 1210+00

Begin 6" Underdrain Lt. Sta. 1209+63

Begin 6" Underdrain Rt. Sta. 1209+50

1166.49
1209+00
1164.1
1166.49

1165.90
1208+00
1162.9
1165.90

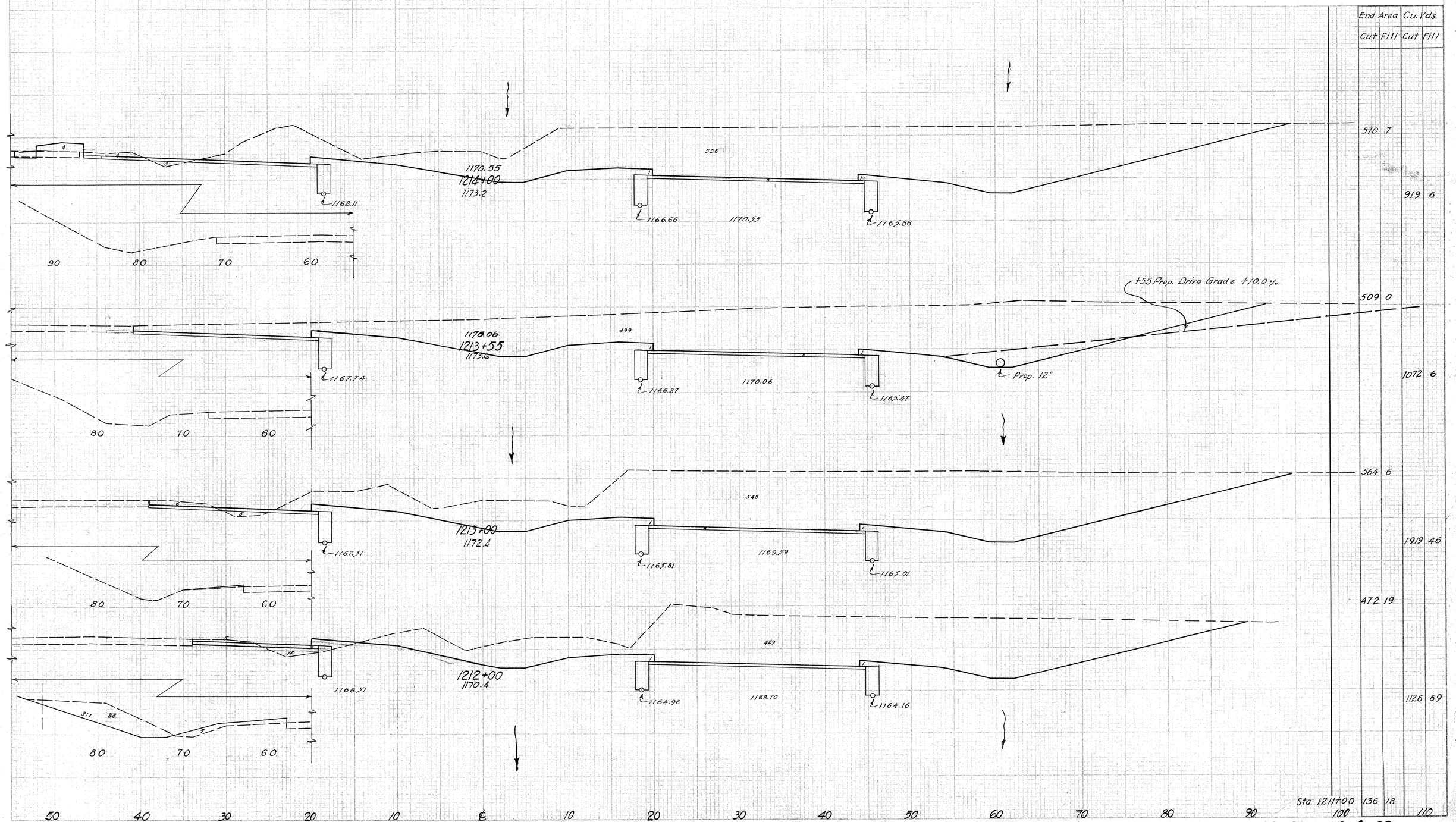
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130

X-SECTIONS STA. 1208+00 TO STA. 1211+00

FED. HWY. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

171
227

CLARK COUNTY
CLA.-40 - (15.18-23.88)

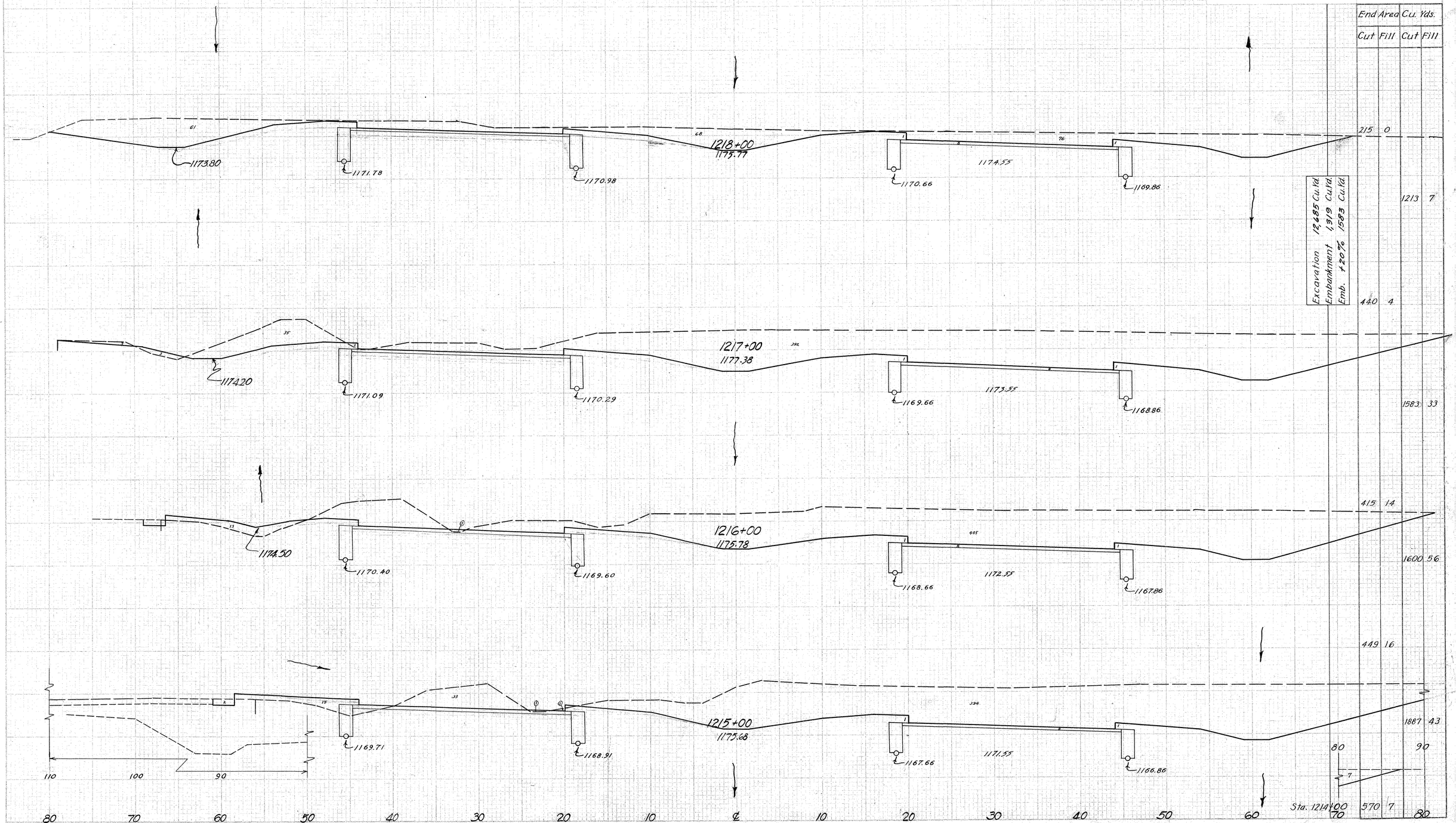


X-SECTIONS STA. 1212+00 TO STA. 1214+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-336-7 F-16-2	POST WAR

172
227

CLARK COUNTY
CLA-40- (15.18-23.88)



End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
		215	0
		1213	7
		440	4
		1583	33
		415	14
		1600	56
		449	16
		1887	43
80		90	
7			
570	7		

Excavation 12,685 Cu.Yd.
Embankment 1319 Cu.Yd.
Emb. ↑20% 1583 Cu.Yd.

X-SECTION STA. 1215+00 TO STA. 1218+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-536-7 FG-536-7 F-16-2	POST WAR

173
727

CLARK COUNTY
CLA-40-(15.18-23.88)

End Area Cu. Yds.

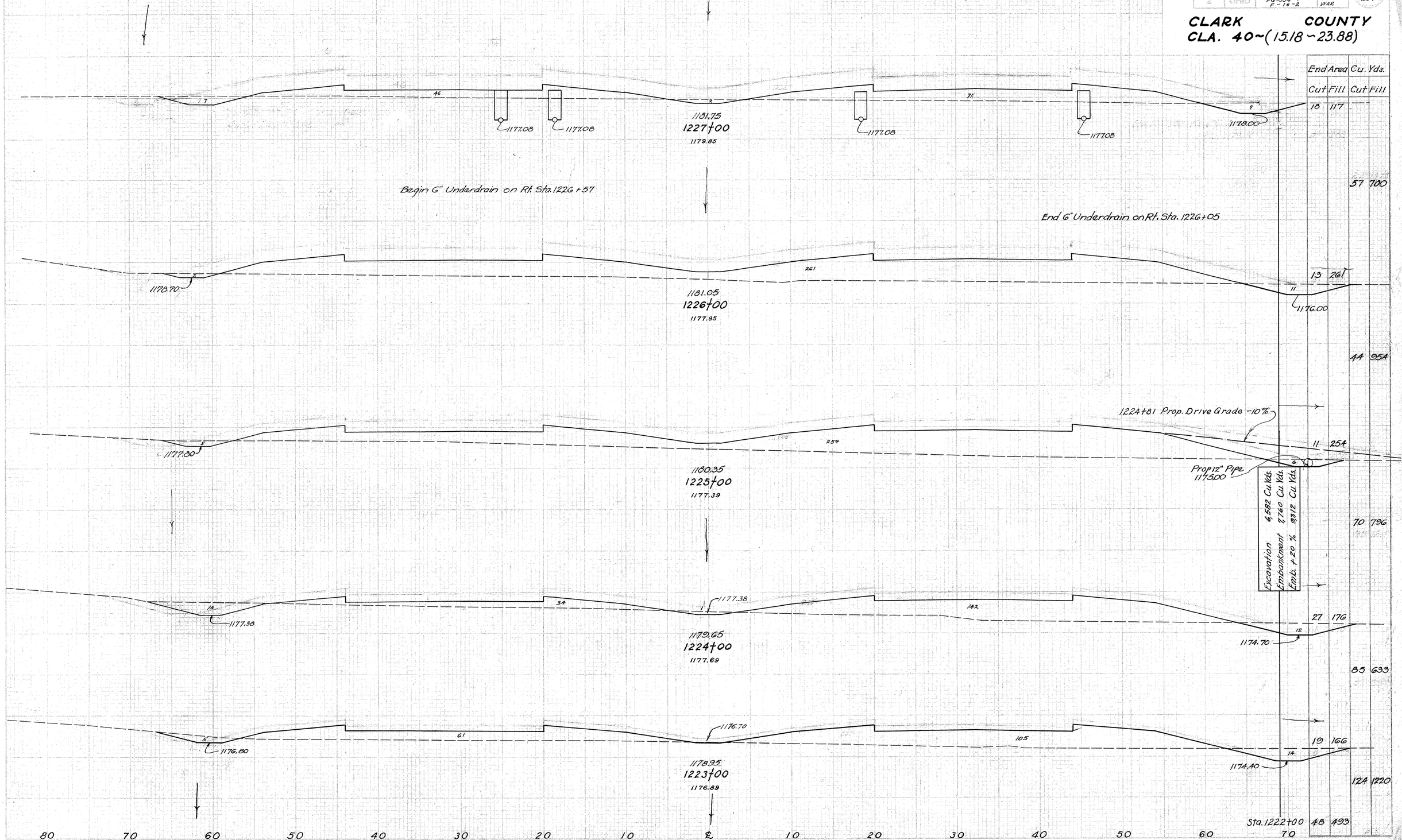
Cut	Fill	Cut	Fill
		48	493
		168	762
		163	464
		399	1148
		215	624
		635	1603
		128	290
		437	694
		108	85
		598	157
		215	0

1175.50
1178.25
1222+00
1173.89
1272.00
Inlet on Structure
El. 1175.50
1176.00
1221+57
1174.1
End Prop. 15" Pipe Storm Sewer 81' Lt. Sta. 1221+11
1172.43
Prop. Approach Grade +0.7%
Prop. Cross-Over Grade 0.0%
1170.53
1176.20
1072.60
1177.48
1221+00
1172.1
1170.70
Begin Prop. 15" Pipe Storm Sewer 81' Lt. Sta. 1220+36
Prop. 15" El. 1172.60
1219+96 Prop. Drive Grade -10.0%
1176.35
1220+00
1174.6
1072.90
End 4" SS-112 Sub-base Sta. 1219+00
End 6" Underdrains Rt. & Lt. Sta. 1219+00
1171.00 Prop. 12"
1173.20
1172.46
1171.66
1219+00
1175.00
1171.66
1170.86
1171.50
Sta. 1218+00

X-SECTIONS STA. 1219+00 TO STA. 1222+00

FED. ROAD DIVISION	STATE	PROJECT	TYPE FUND	174
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR	227

CLARK COUNTY
CLA. 40~(15.18~23.88)



CROSS SECTIONS STA. 1223+00 to STA. 1227+00

+70 +80 -90-

FED. RD. DIVISION	STATE	PROJECT	FEDERAL AID
2	OHIO	F-336-7 Fa-336-7 F-16-2	POST WAR

CLARK COUNTY

CLA. 40~(15.18-23.88)

Sheet 2 of 9 Change Order #3

Federal Project # F-16(2)

State Project # 570-48

End Area Quantities

Cut	Fill	Cum. Cut	Cum. Fill
15	11		

1177.05 1177.05 1177.08 1177.08 1178.00

1131.75
1227+00
1178.83

Begin 6" Underdrain on Rt. Sta. 1226+57

End 6" Underdrain on Rt. Sta. 1226+05

1170.70 1181.05 1226+00 1177.95 10 78

1177.50 1180.35 1225+00 1177.39 Prop 12" Pipe 1175.00

Excavation
Embankment
Earth F.S. 20 %

6,636 C.Y.
6,222 C.Y.
4,100 C.Y.
3,738 C.Y.
937 C.Y.

1224+81 Prop. Drive Grade -10.7%

11 25+

10 79

1177.38 1179.65 1224+00 1177.69 1174.70

28 176

1177.35

1176.80 1178.95 1223+00 1176.29 1176.40

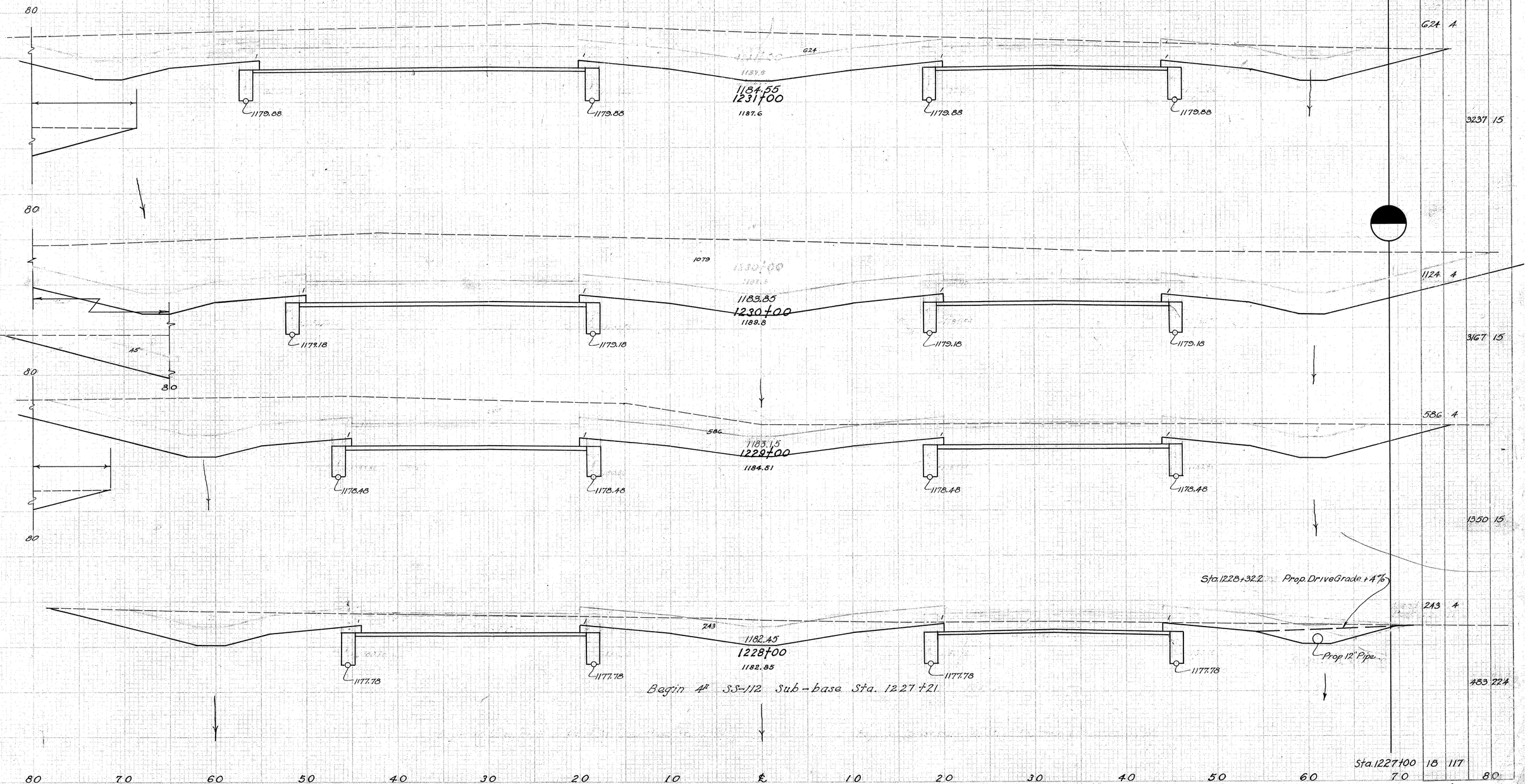
19 102

Sta. 1222+00

CROSS SECTIONS STA. 1223+00 to STA. 1227+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND	175
2	OHIO	F-586-7 FG-336-7 F-16-2	POST WAR	227

CLARK COUNTY
CLA. 40~ (15.18 - 23.88)



End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
G24	4		
		3237	15
1124	4		
		3167	15
586	4		
		1950	15
243	4		
		483	224
Sta. 1227+00		18	117

Begin 4" SS-112 Sub-base Sta. 1227+21

CROSS SECTIONS STA. 1228+00 to STA. 1231+00

175-827

FED. RD. DIV.	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 F-16-2. FG-556-7	Post War

CLARK COUNTY
CLA-40-(15.18-23.88)

Sheet 3 of 9 Change Order #3
Federal Project # F-16(2)
State Project # 570-48

End Areas Cu. Yds.			
Cut	Fill	Cut	Fill
~~624~~ 600	4		
		3050 ~~3231~~	15
1047 ~~1124~~	4		
		3030 ~~3107~~	15
599 ~~586~~	4		
		1541 ~~1330~~	15
243	4		
		483	224
Sta. 1227+00	18	117	

~~624~~ 600
1184.55
1231+00
1187.60
1179.88 1179.88 1179.88 1179.88 1179.88

~~1047~~ 1047
1183.85
1230+00
1189.80
1179.18 1179.17 1179.18 1179.18

~~586~~ 589
1183.15
1229+00
1184.51
1178.48 1178.48 1178.48 1178.48

243
1182.45
1228+00
1182.85
1177.78 1177.78 1177.78 1177.78

Sta. 1228+32.2 Prop. Drive Grade +4.7%
Prop. 12" pipe

Begin 4" SS-112 sub-base Sta. 1227+21

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70

PLATE 3 ... CROSS SECTIONS ... U.S.B.R.E. Stand...
CRUFTON & COLLEDGE ... NEW ...

SURVEY PLOTTED NOTE BOOK NO. / CHECKED / AREAS / AREAS CHECKED

1 Drawn & Changed by, WPS 2-21-48 1

DIST. NO. DIVISION	STATE	PROJECT	TYPE FUND	176
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR	227

CLARK COUNTY
CLA. 40~ (15.18.~23.88)

End Area	Cu. Yds.	
Cut	Fill	Cut	Fill
574 4			
		3300	15
1208 4			
		4628	15
1291 4			
		4702	15
1248 4			
		3467	15
Sta. 1231+00 624 4			

1187.35
1238+00
1189.65
1183.18
1183.68
1182.68
1183.18
5.87
2:1
15 15

1186.65
1234+00
1193.35
1181.98
1181.98
1181.98
1181.98
1144
2:1
17
80

1185.35
1233+00
1193.01
1181.28
1181.28
1181.28
1181.28
1193
6.6
80

1185.25
1232+00
1192.11
1180.58
1180.58
1180.58
1180.58
1161
57
80

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1232+00 to STA. 1235+00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	FS-355-7 (5) 15.18-23.88

CLARK COUNTY
CLA. 40 ~ (15.18 - 23.88)

Sheet 4 of 9 Change Order # 3
Federal Project # FS-1616(5)
State Project # 570-48

Cut Fill Cut Fill

1187.35
1234+00
1189.65
1183.18
1182.68
1183.18
1180.68
1186.65
1234+00
1193.35
1181.98
1181.98
1181.98
1181.98
1183.35
1233+00
1193.01
1181.28
1181.28
1181.28
1181.28
1185.25
1232+00
1192.11
1180.58
1180.58
1180.58
1180.58
5+72 1231+00

80 70 60 50 40 30 20 10 10 20 30 40 50 60 70 80

70 - 80 - 90

CROSS SECTIONS STA. 1232+00 to STA. 1235+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

177
227

CLARK COUNTY
CLA. 40.~ (15.18 - 23.88)

End Area Cu. Yds.			
Cut	Fill	Cut	Fill
		160	17
		680	93
		208	33
		756	72
		1090	220
		200	6
		906	104
		289	50
		1598	100
		Sta. 1235+00	574 4

1130+15
1239+00
1189.84

1189+15
1238+00
1189.49

House

House

Prop Cross Over Grade 0.0%

Approach R&L Sta. 1237+02

1237+00 ℄ Street
1189.4

Excavation 2434 Cu Yd.
Embankment 644 Cu Yd.
Emb. Exc. 797 Cu Yd.

Begin 6" SS-112 Sub-base
End 6" Underdrains and 4" SS-112 Sub-base
for Westbound Lanes Sta. 1236+00

Begin 6" SS-112 Sub-base
End 6" Underdrains and 4" SS-112 Sub-base
for Eastbound Lanes Sta. 1236+00

1236+00
1188.0

1183.38
1184.38
1184.38
1185.38

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1236+00 to STA. 1239+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-15-2	POST WAR

CLARK COUNTY
CLA. 40.~ (15.18 - 23.88)
Sheet 5 of 9 Change Order #3
Federal Project # F-[illegible]
State Project 570-48

Cut Fill Cut Fill

1130+15
1239+00
1189.84

1185+15
1238+00
1189.48

House

House

Approach R.&L. Sta. 1237+02

1237+00 ℄ Street
1189.4

Begin 6" SS-112 Sub-base
End 6" Underdrains and 4" SS-112 Sub-base
for Westbound Lanes Sta. 1236+00

Begin 6" SS-112 Sub-base
End 6" Underdrains and 4" SS-112 Sub-base
for Eastbound Lanes Sta. 1236+00

Excavation 2934 Cum. 24,705
Embankment 447 Cum. 736
Emb. Adj. 397 Cum. 883

1236+00
1188.0

1183.38

1184.38

1184.38

1185.38

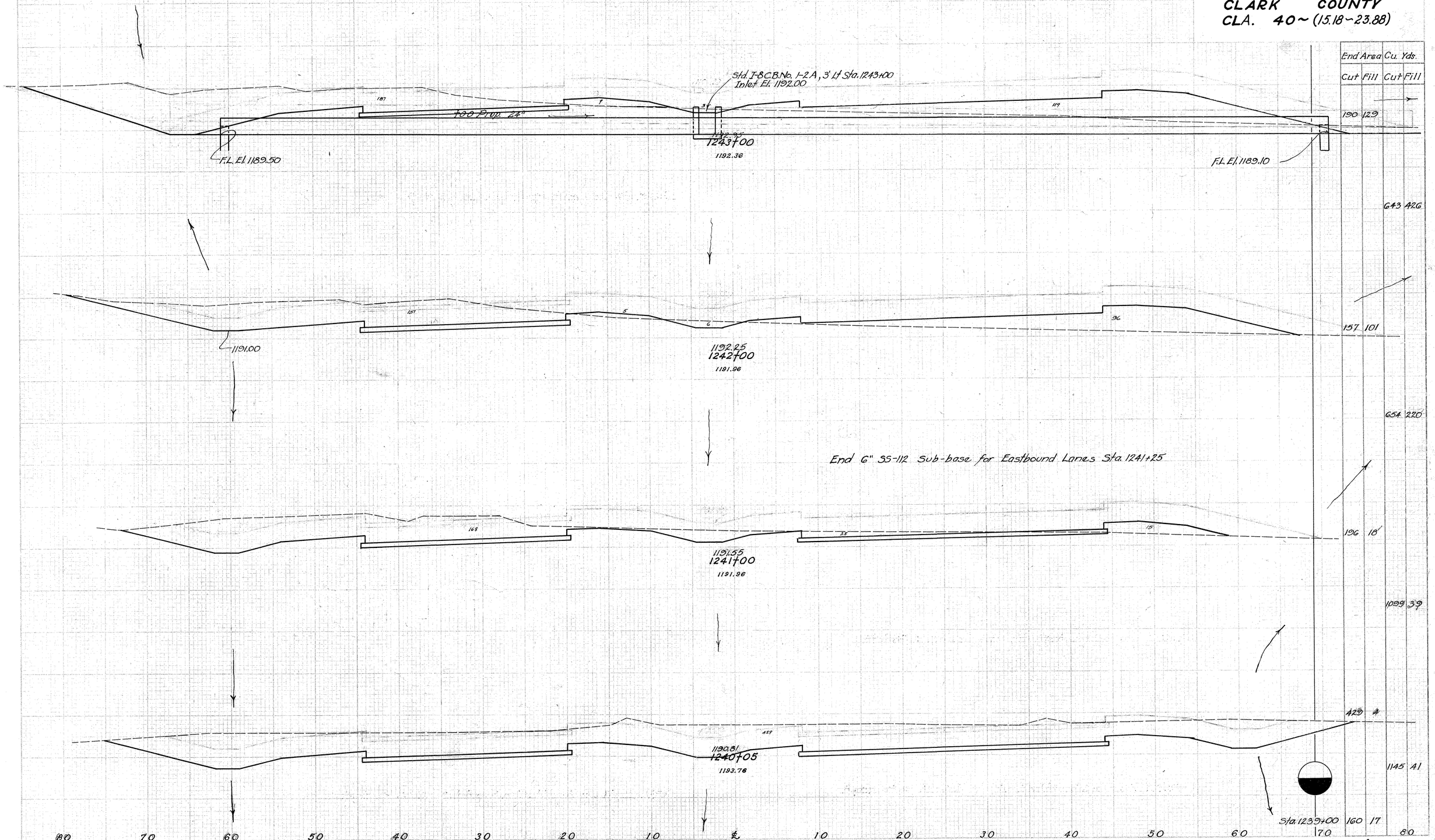
Sta. 1237+00

70 - 80 - 90

CROSS SECTIONS STA. 1236+00 to STA. 1239+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND	178
2	OHIO	F-556-7 FG-328-1 F-16-2	POST WAR	227

CLARK COUNTY
CLA. 40~(15.18~23.88)



CROSS SECTIONS STA. 1240+05 to STA. 1243+00

CLARK COUNTY

ELA. 40 ~ (15.18 - 23.88)

Sheet 6 of 9 Sheets

Skd T-8 C.B.No. 1-2A, 3 Lt Sta 1243+00
Invert El. 1192.00

1243+00
1192.36

Fin. El. 1189.50

Fin. El. 1192.10

1192.25
1242+00
1191.96

1191.00

End 6" SS-12 Sub-base for Eastbound Lanes Sta 1241+25

1191.55
1241+00
1191.96

1190.81
1240+06
1192.78

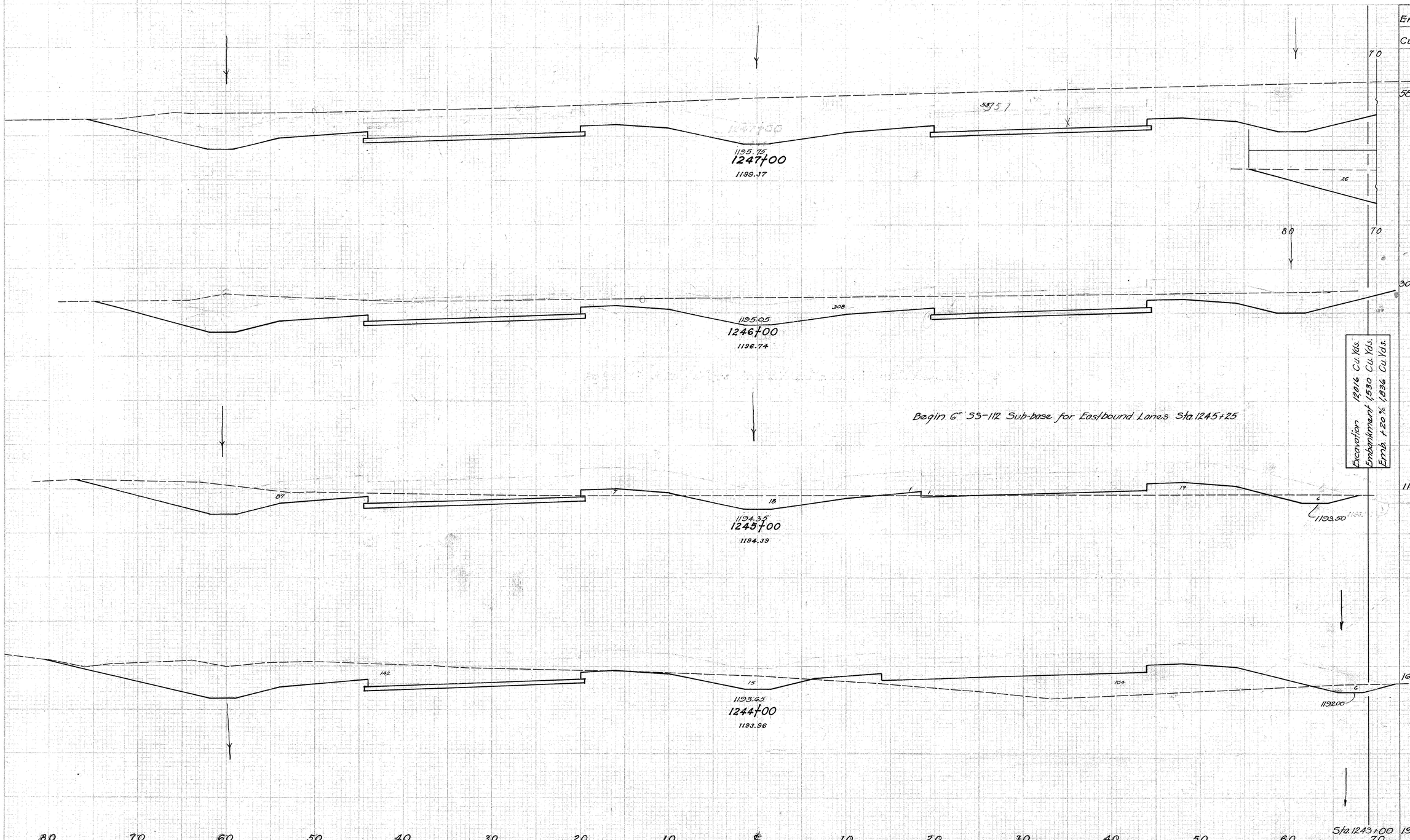
70 - 80 - 90

CROSS SECTIONS STA. 1240+06 to STA. 1243+00

FED. ROAD DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-78-2	POST WAR

179
227

CLARK COUNTY
CLA. 40 ~ (15.18 ~ 23.88)



	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
T O				
	583	A		
				1650 15
80 T O				
	308	A		
				778 59
				112 28
				503 248
				163 106
				654 435
				190 129

Excavation 12,016 Cu. Yds.
Embankment 1,530 Cu. Yds.
Emb. +20% 1,836 Cu. Yds.

CROSS SECTIONS STA. 1244+00 to STA. 1247+00

FED. AID PROJECT	STATE	PROJECT	SHEET NO.
2	OHIO	F-336-7 IR-336-8	179A

CLARK COUNTY

CLA. 40 ~ (15.18 - 23.88)

Sheet 7 of 9 Change Order #3

Federal Project # IR-IC(69)

State Project # 370-48

Begin 6" 33-118 Sub-base for Eastbound Lanes Sta 1245+25

CROSS SECTIONS STA. 1244+00 to STA. 1247+00

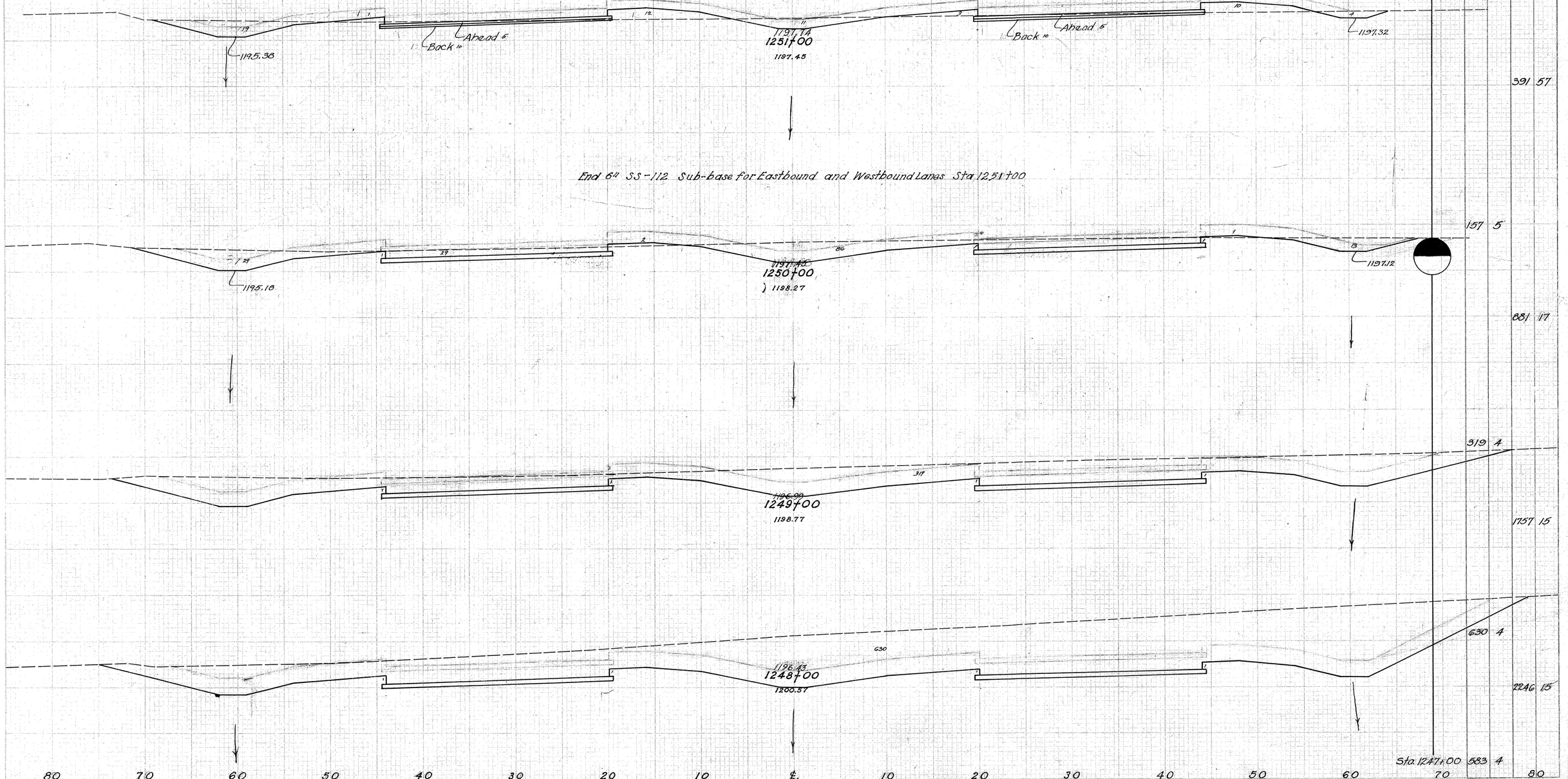
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-18-2	POST WAR

180
227

CLARK COUNTY
CLA. 40 ~ (15.18 ~ 23.88)

Begin 4" SS-112 Sub-base for Eastbound and Westbound Lanes Sta. 1251+00

End 6" SS-112 Sub-base for Eastbound and Westbound Lanes Sta. 1251+00



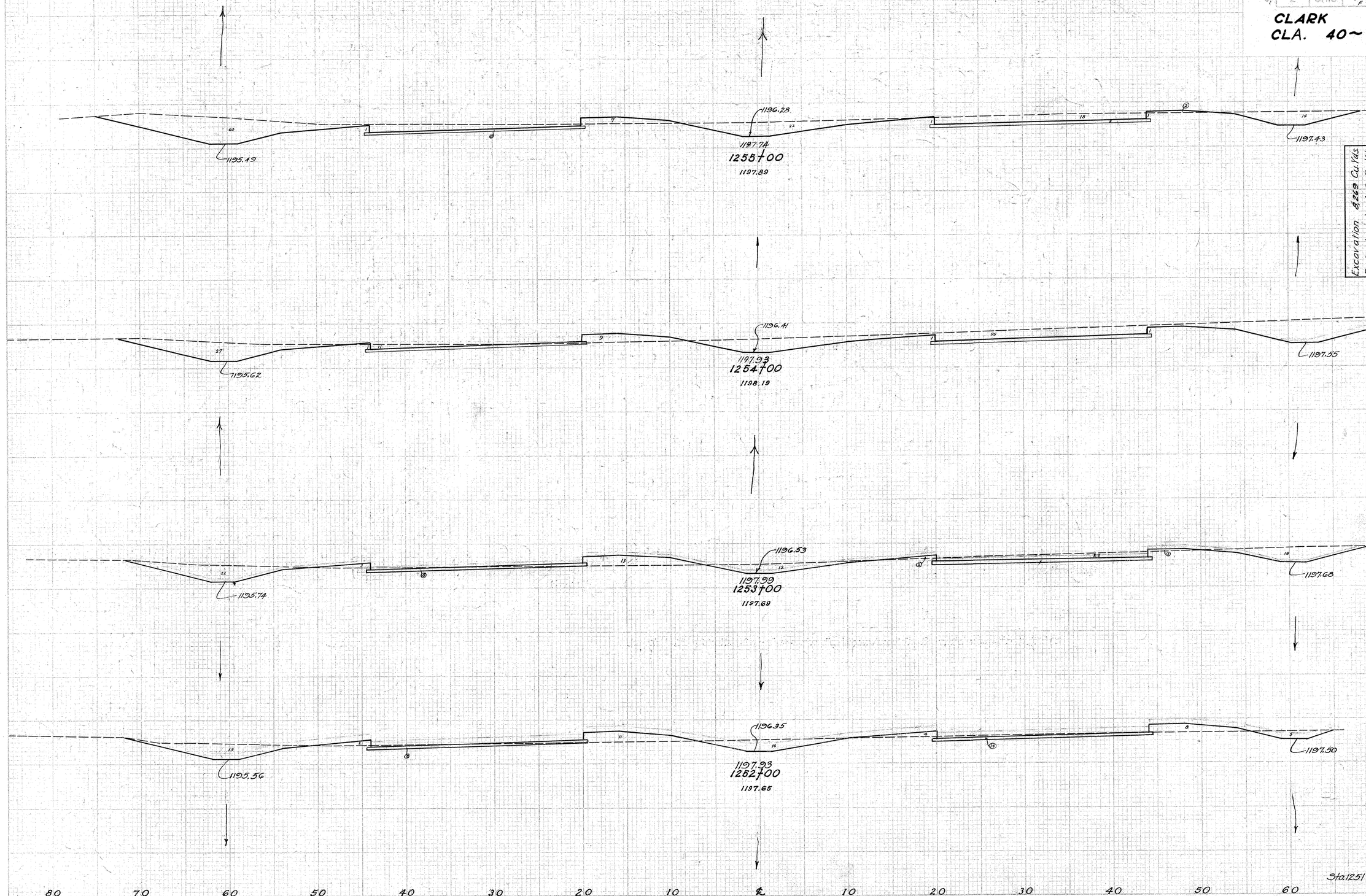
	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
Ahead	44	26		
Back	54	26		
				391 57
			157 5	
				881 17
			319 4	
				1757 15
			630 4	
				2246 15
Sta. 1247+00			583 4	

CROSS SECTIONS STA. 1248+00 to STA. 1251+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

181
227

CLARK COUNTY
CLA. 40 ~ (15.18 ~ 23.88)



Excavation 4249 Cu.Yds.
Embankment 402 Cu.Yds.
Emb. 120% 482 Cu.Yds.

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
136	12		
		498	44
133	12		
		398	61
82	21		
		263	85
60	25		
		193	94
Sta 1251+00		44	26

CROSS SECTIONS STA. 1252+00 to STA. 1255+00

FED. AID PROJECT NO.	STATE	PROJECT
2	OHIO	[illegible]

CLARK COUNTY
CLA. 40 - (10.16 - 2.56)

Sheet 2 of 4 Sheets
Federal Project # F-(10)
State Project # 570-18

End Pvmt. Removal Sta. 1279+50

Remove Pvmt.

1189.50
1279+00
1186.04

Remove Pvmt.

End Prop. 15" Storm Sewer Sta. 1278+18

High Cross Over 0.0% Grade

1187.70
1278+00
1187.73

End Prop. 15" Storm Sewer Sta. 1277+53

Prop. Cross Over 0.0% Grade

Remove Pvmt.

Begin Prop. 15" Pipe Storm Sewer Sta. 1278+18

1188.61 Prop. 15"
1277+35 ℄ of Cross Over & Dr. Lt.

Begin Prop. 15" Pipe Storm Sewer Sta. 1277+16

Remove Pvmt.

1190.89
1277+00
1188.83

Remove Pvmt.

1191.75
1276+00
1192.33

Begin Pvmt. Removal Sta. 1275+30 (Full width)

1192.75

1191.75
1275+00
1193.10

70 - 80 - 90

CROSS SECTIONS STA. 1275+00 to STA. 1270+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

182
227

CLARK COUNTY
CLA. 40~ (15.18~23.88)

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
414	0		
		1796	0
556	0		
		1717	9
371	5		
		996	19
167	5		
		537	33
Sta. 1255+00		123	13

1196.55
1259+00
1198.83

1196.85
1258+00
1198.73

1197.15
1257+00
1198.99

1197.45
1256+00
1198.09

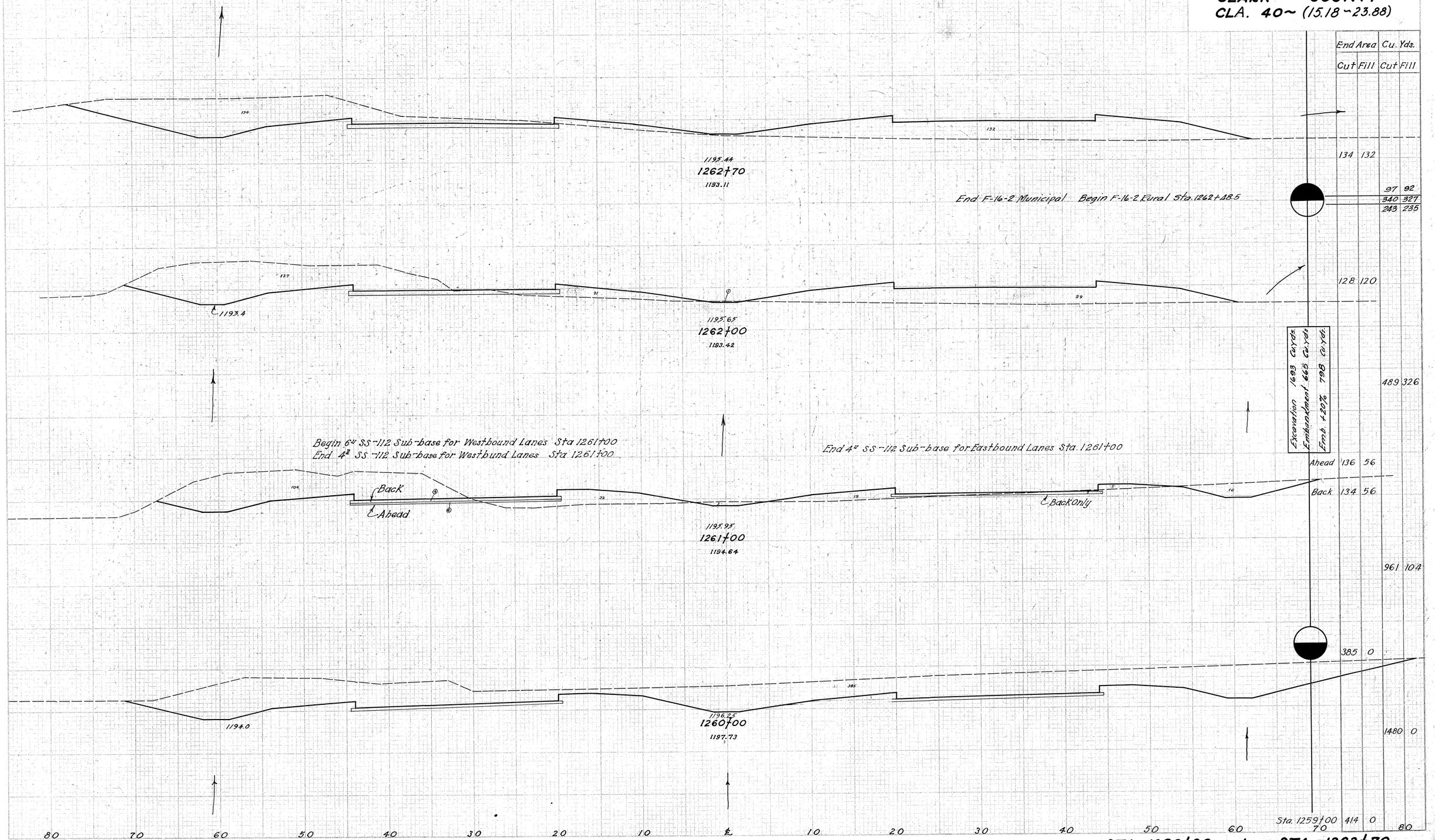
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1256+00 to STA. 1259+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FA-856-7 F-16-2	POST WAR

183
227

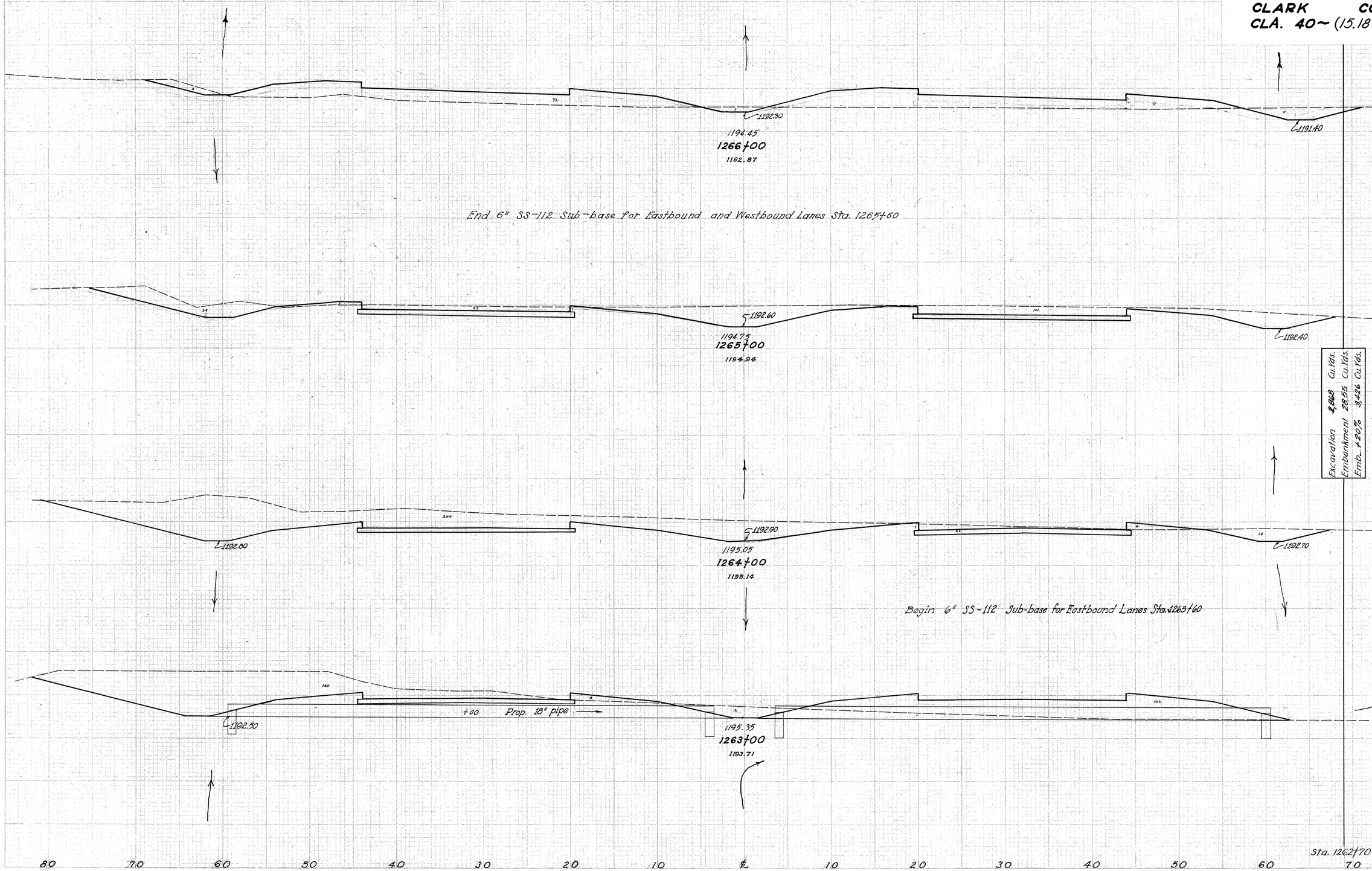
CLARK COUNTY
CLA. 40~ (15.18~23.88)



CROSS SECTIONS STA. 1260+00 to STA. 1262+70

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND	184
2	OHIO	F-556-7 FA-556-7 F-16-2	POST WAR	227

CLARK COUNTY
CLA. 40~ (15.18~23.88)



	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	18	143		
			315	272
			152	4
			722	17
			238	5
			759	206
			172	106
			171	132
Sta. 1262+70			134	132

Excavation 4,868 Cu. Yds.
Embankment 2855 Cu. Yds.
Emb. x 20% 3,426 Cu. Yds.

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1263+00 to STA. 1266+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

185
227

CLARK COUNTY
CLA. 40~(15.18~23.88)

End Area	Cu. Yds.
Cut	Fill

1270+00
1193.35
1191.29

1268+00
1193.85
1193.40

1267+00
1194.15
1192.07

1269+00
1193.55
1193.10

Approach on Left

Cross Over Sta. 1268+00

1189.40

1189.70

1190.00

1193.70

1192.00

Fl. Elev. 1192.00

Sta. 1267+00

Prop. 15" S.S.

Fl. Elev. 1190.50

1190.40

Sta. 1266+00

Cut	Fill
	148 556
	257 359
	93 84
	269 556
52 216	
130 665	
18 143	

80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

CROSS SECTIONS STA. 1267+00 TO STA. 1270+00

PROJ. NO. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F-16-2	POST WAR

136
227

CLARK COUNTY
CLA. 40~ (15.18~23.88)

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
439	5		
		1963	22
621	7		
		2330	13
637	0		
		1373	0
326	0		
		219	6
189	13		
		413	376
34	190		

End 6" SS~112 Sub-base for Eastbound and Westbound Lanes Sta. 1272+00

Back only

Back Only

Prop. Drive Grade +15%

& Field Drive

Begin 6" SS~112 Sub~base for Eastbound and Westbound Lanes Sta. 1270+50

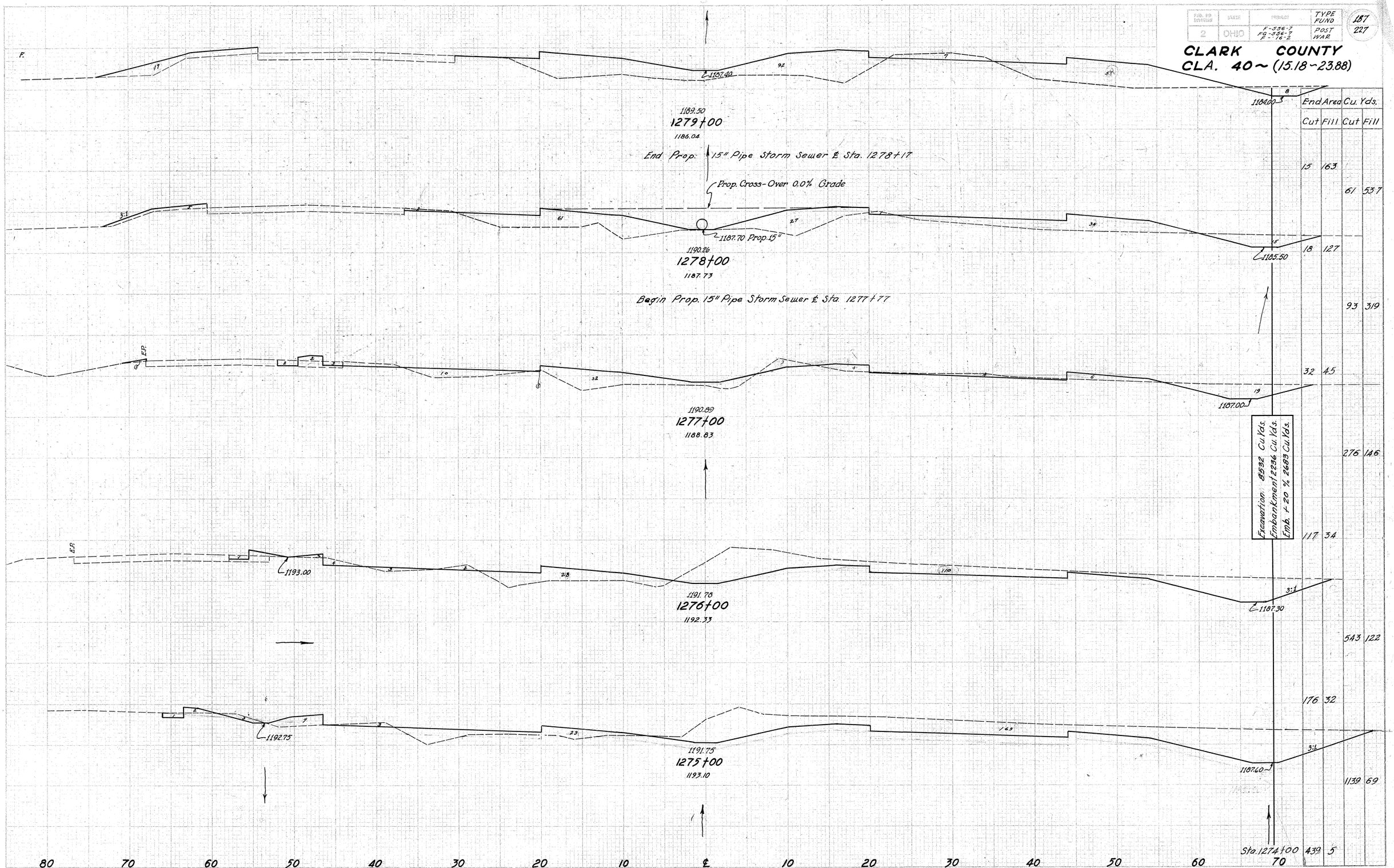
80 70 60 50 40 30 20 10 ℄ 10 20 30 40 60 70 80

CROSS SECTIONS STA. 1271+00 to STA. 1274+00

FED. HIS. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-2 FG-336-7 F-16-2	POST WAR

187
227

CLARK COUNTY
CLA. 40 ~ (15.18 ~ 23.88)



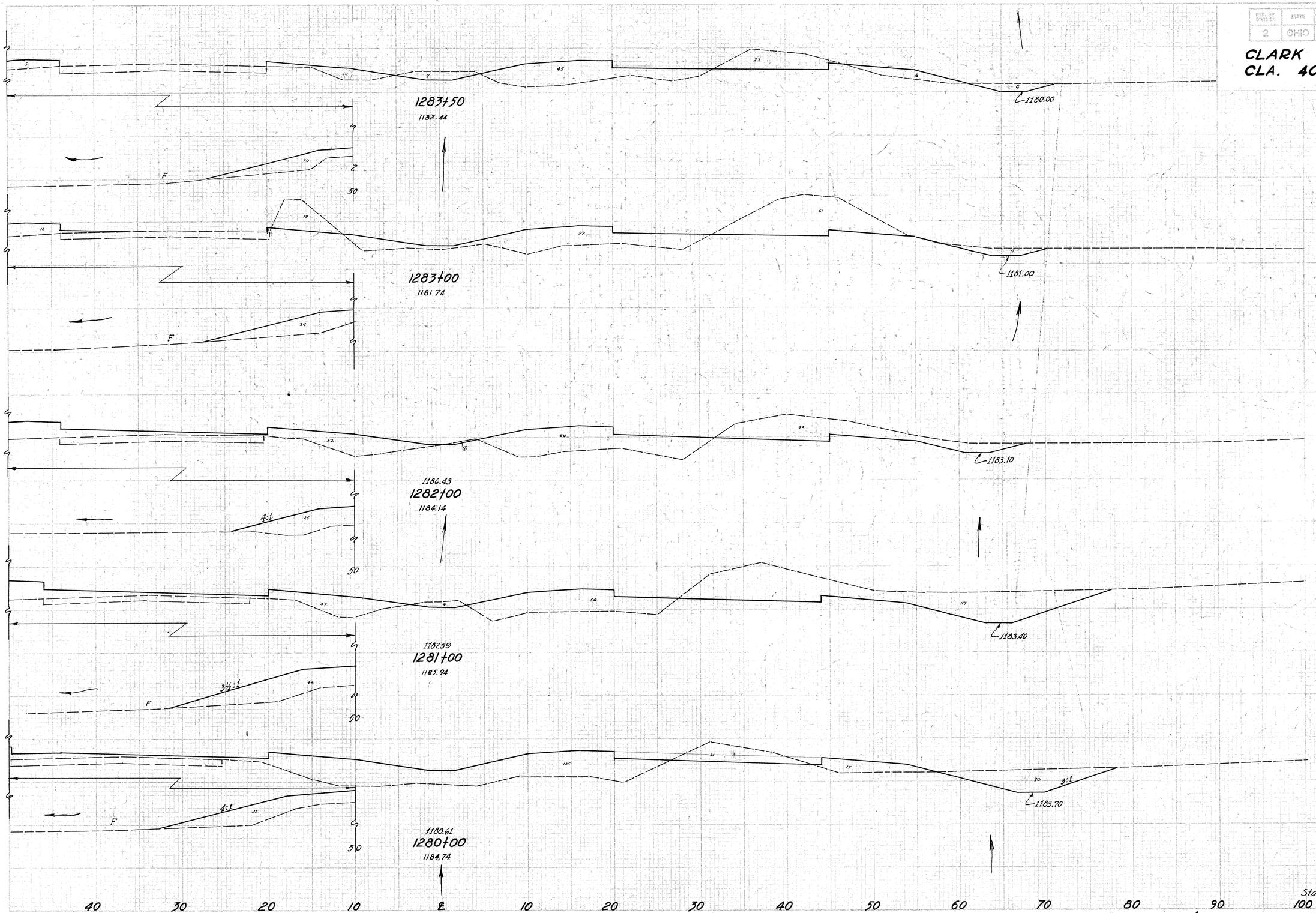
End Area	Cu. Yds.		
Cut	Fill	Cut	Fill
15	163		
		61	537
18	127		
		93	319
32	45		
		276	146
117	34		
		543	122
176	32		
		1139	69
439	5		

CROSS SECTIONS STA. 1275+00 to STA. 1279+00

FED. DIV.	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 F 76-2	POST WAR

188
227

CLARK COUNTY
CLA. 40 ~ (15.18 ~ 23.88)



End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
35	88		
		113	168
87	94		
		259	426
53	136		
		322	509
121	139		
		319	581
51	175		
		122	626
Sta. 1279+00		15	163

CROSS SECTIONS STA. 1280+00 to STA. 1283+00

FED. RD. DIVISION	STATE	PROJECT	TYPE: FED. AID POST WAR
2	OHIO	F-336-7 (G) 576-3 F-16-2	

CLARK COUNTY
CLA. 40 ~ (15.18 ~ 23.88)

Sheet 3 of 4 Change Order #2
Federal Project # F-16 (2)
State Project # 570-18

1283+50
1182.44
℄ 1180.00

1283+00
1181.74
℄ 1181.00

1282+00
1184.14
℄ 1183.00

1186.43
1281+59
1185.94
℄ 1183.00

1280+00
1184.79
℄ 1183.70

1180.61

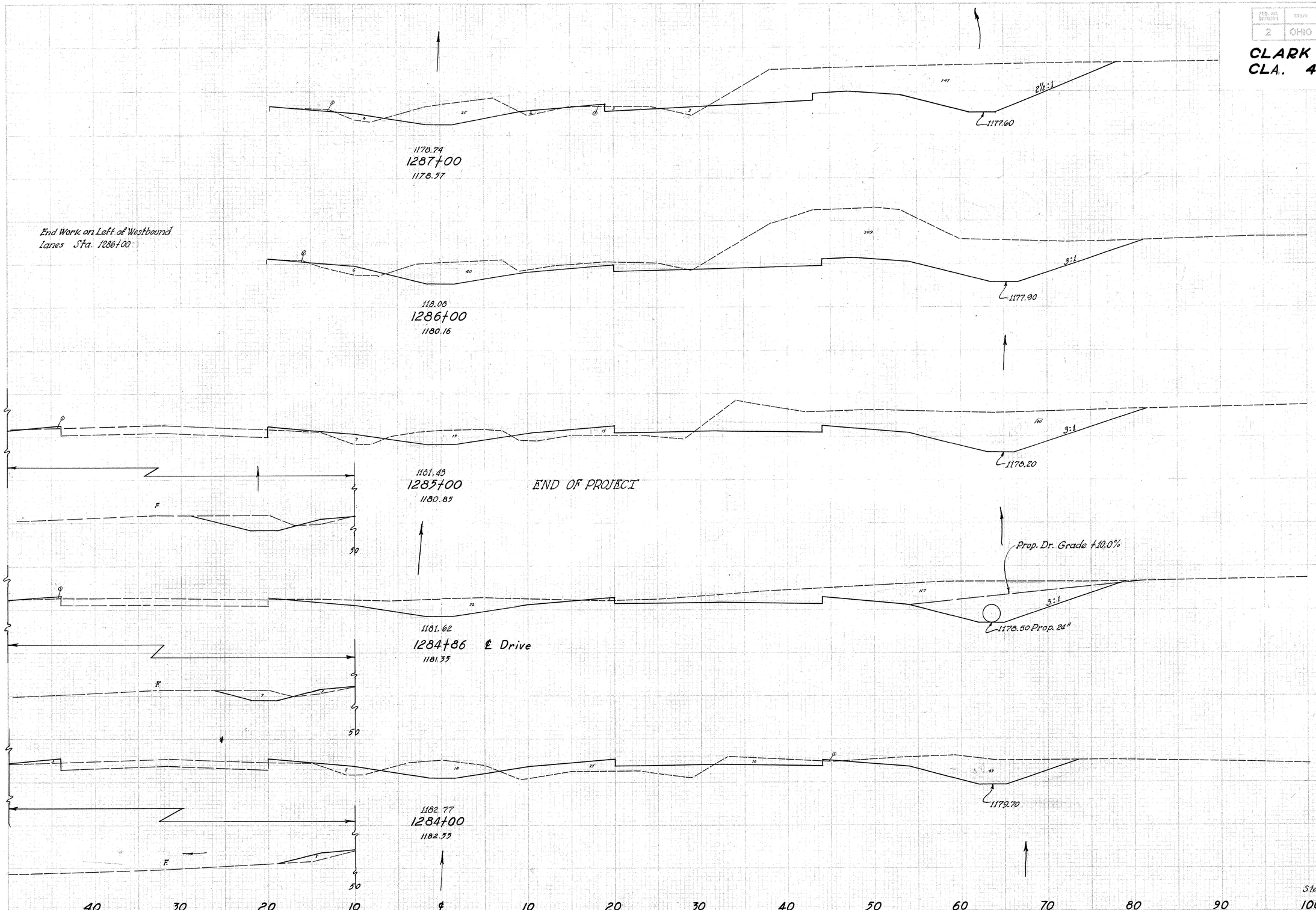
85-95-105

CROSS SECTIONS STA. 1280+00 to STA. 1283+00

FED. NO. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FS-356-7 F-16-2	POST-WAR

189
227

CLARK COUNTY
CLA. 40~ (15.18-2388)



	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	176	10		
			789	30
	250	6		
			787	59
	175	26		
			86	8
	156	5		
			361	70
	71	39		
			48	118
Sta. 1283+50	35	88		

Excavation 5401 Cu.Yds.
Embankment 2045 Cu.Yds.
Emb. +20% 2454 Cu.Yds.

CROSS SECTIONS STA. 1284+00 to STA. 1287+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-1 FG-336-1 F-16-2	POST WAR

195-2

CLARK COUNTY
CLA. 40~ (15.18-2388)

Sheet 4 of 4 Change Order #2
Federal Project # F-16(2)
State Project # 570-48

End Work on Left of Westbound lanes Sta. 1286+00

1178.74
1287+00
1178.57

1177.60

1178.08
1286+00
1180.16

1177.90

1181.43
1285+00
118[illegible].85

END OF PROJECT

1179.20

Prop. Dr. Grade +10.0%

1181.62
1284+86 ℄ Drive
1181.35

1178.50 Prop. 24"

1182.77
1284+00
1182.77

1179.70

	End Area	Cu. Yds.	
	Cut	Fill	Cut Fill
	176	10	
			789 30
	250	6	
			787 59
	175	26	
			86 8
	156	5	
			36 170
	71	39	
			68 118
	Sta. 1283+50	35	68

Excavation 401 Cu.Yds.
Embankment +20% 2019 Cu.Yds.
Emb. +20% ~~2425~~ 2424 Cu.Yds.

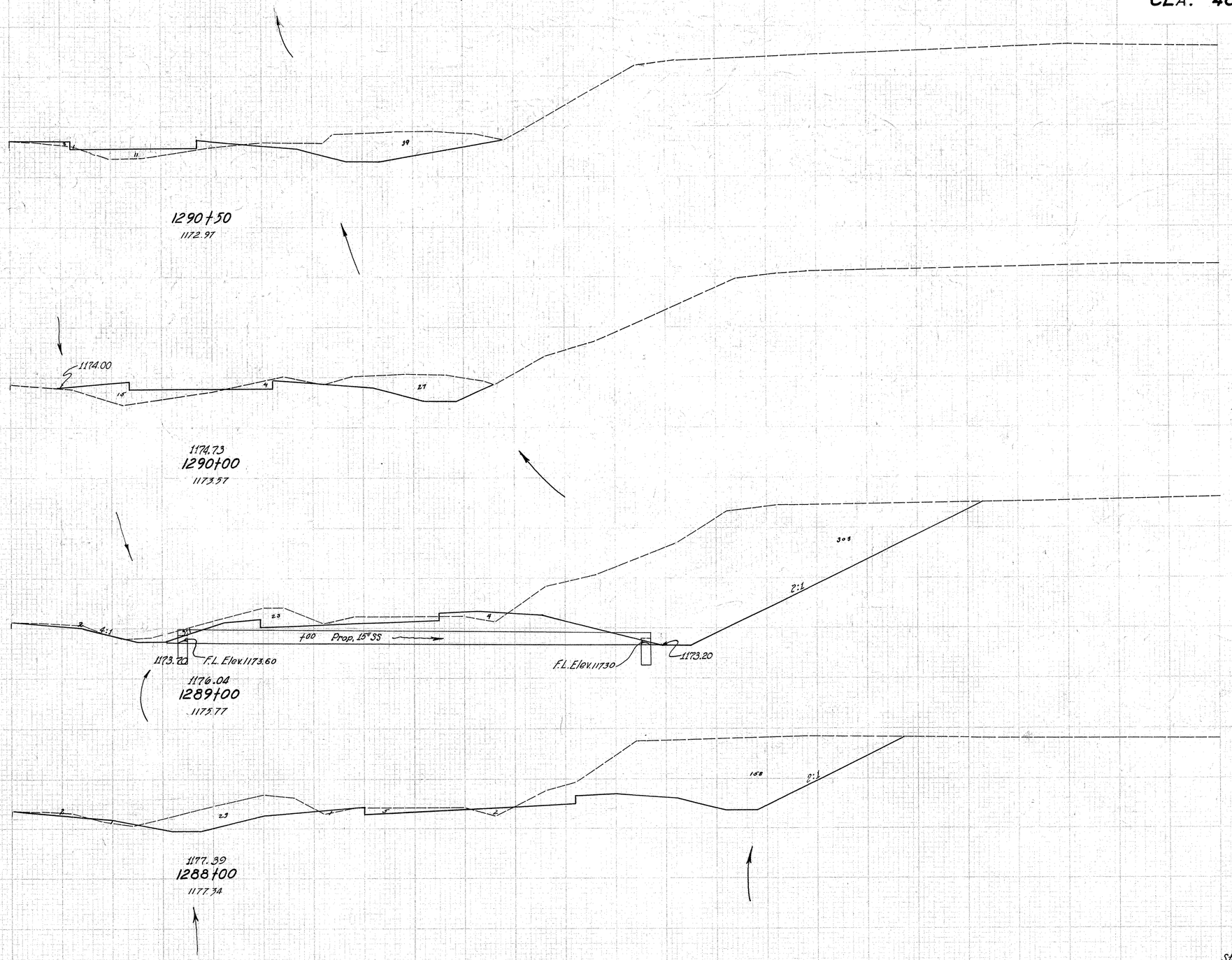
40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

80-90-100

CROSS SECTIONS STA. 1284+00 to STA. 1287+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND	190
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR	227

CLARK COUNTY
CLA. 40~(15.18~23.88)



Sta.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
1290+50				
	40	14		
			65	27
1290+00	31	15		
			665	35
1289+00	32	8		
			967	15
1288+00	19	4		
			685	26
Sta. 1287+00	17	6	176	10

CROSS SECTIONS STA. 1288+00 to STA. 1290+50

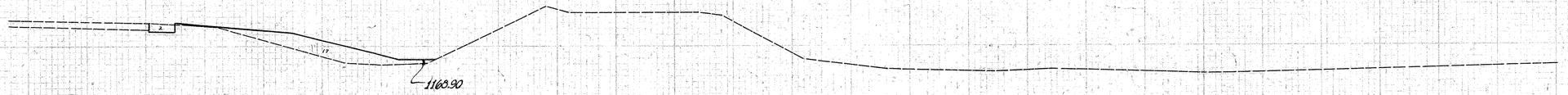
FED. RTE. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FA-556-7 F-16-2	POST WAR

191
227

CLARK COUNTY
CLA. 40~ (15.18 ~23.88)

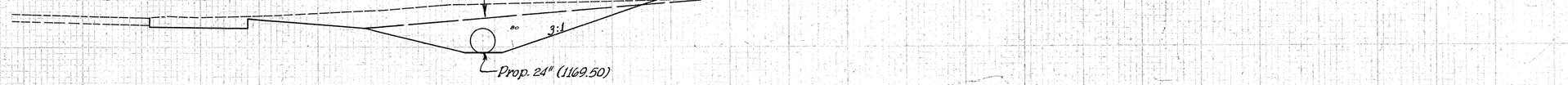
END OF WORK STA. 1293+00

1292+50
1166.97



1292+00
1168.47

Prop. Drive Grade + 8.0%



1291+23 ℄ Drive
1173.07

1291+00
1172.67

End Area Cu. Yds.			
Cut	Fill	Cut	Fill
3	22		
		5	36
2	17		
		116	24
80	0		
		53	5
40	10		
		74	22
Sta. 1290+50		40	14

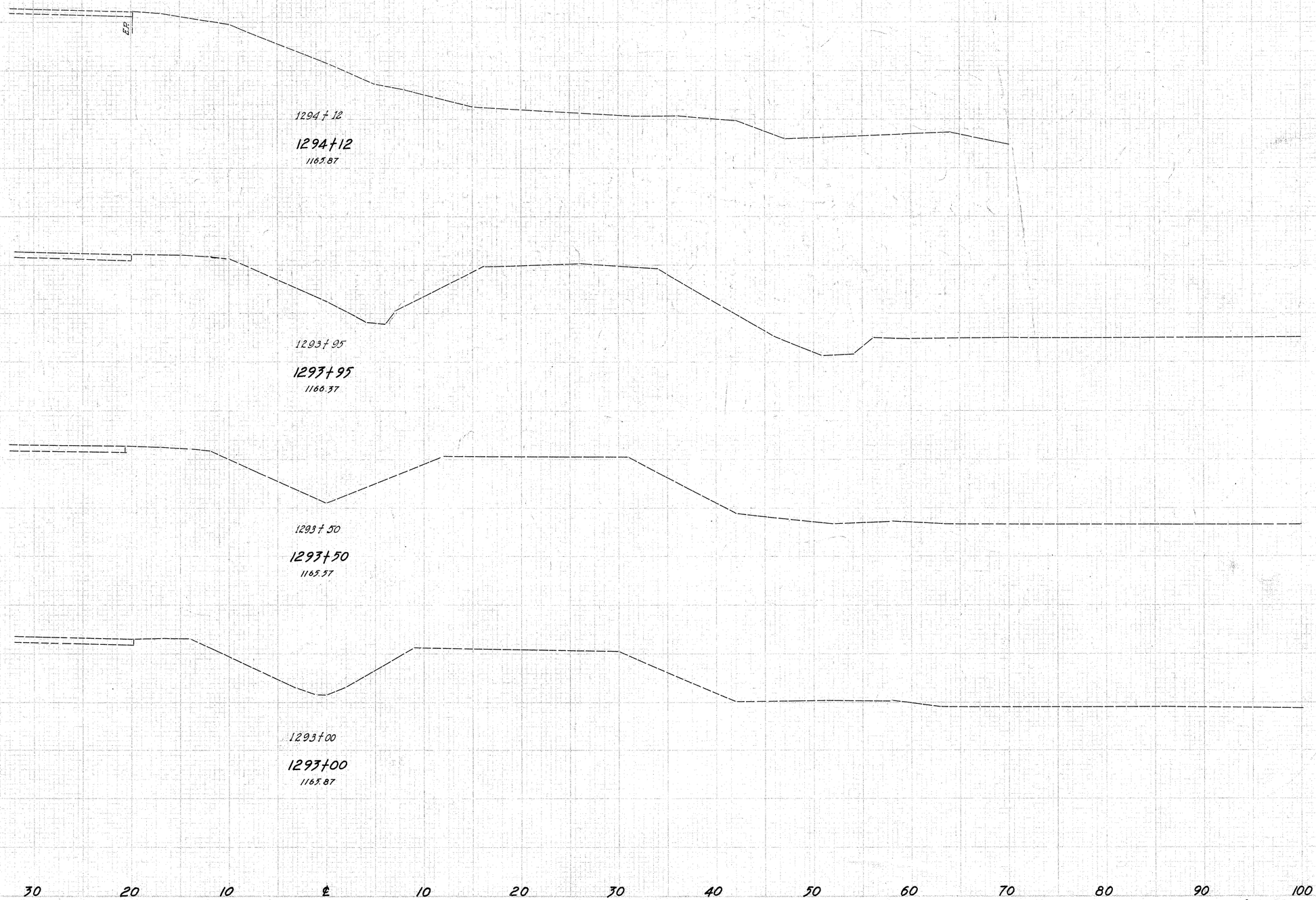
Excavation	316	Cu. Yds.
Embankment	134	Cu. Yds.
Emb. +20%	161	Cu. Yds.

40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100

CROSS SECTIONS STA. 1291+00 to STA. 1292+50

FED. AID PROJECT	STATE	PROJECT	TYPE FUND	192
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR	227

CLARK COUNTY
CLA. 40~ (15.18 ~ 23.88)



End Area		C.u. Yds.	
Cut	Fill	Cut	Fill

CROSS SECTIONS STA. 1293+00 to STA. 1294+12

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7, FG-356-7 F-16-2	POST WAR

193
227

CLARK COUNTY
CLA-40-(15.18-23.88)

Garage

+23 ℄ of Dr.

+93 ℄ of Dr.

Ext. Catch Basin

Ext. Catch Basin

State Highway Garage

Sta. 2+23.2

FOSTORIA AVE. SOUTH

15'

15'

15'

Prop. Berm Line

End Curb

P.C. Sta. 0+67.49
R=120'
Δ=12°40'50"
L=26.44'

P.T. Sta. 0+76.88

P.T. Sta. 809+63.20
R=120'
Δ=59°55'40"
L=79.32'

Sta. 0+50.55
19.93'

Sta. 0+41.16
19.93'

R=38'
Δ=88°27'10"
L=58.67'

R=120'
Δ=12°40'50"
L=26.44'

P.C. Sta. 808+15.31

Prop. Berm Line

Prop. Sidewalk

Sta. 0+00

Sta. 808+41.64

Sta. 808+44.72

809

808

Sta. 808+24.95

Sta. 808+94.99

82°48'

Sta. 0+00

Sta. 809+28.10

Sta. 809+01.66
4.93'

Sta. 808+61.26
4.93'

Sta. 808+61.26

L=26.44'

R=120'
Δ=77°30'20"
L=162.98'

R=38'
Δ=77°30'20"
L=51.39'

R=120'
Δ=12°40'50"
L=26.44'

P.T. Sta. 809+31.50

Sta. 0+66.71
22.93'

Sta. 0+31.83
22.93'

R=38'
Δ=77°30'20"
L=51.39'

R=120'
Δ=12°40'50"
L=26.44'

P.C. Sta. 807+76.61

R=120'
Δ=22°40'50"
L=47.49'

P.C. Sta. 1+08.23

20'

20'

End Curb

NOTE: The B-11 & T-32 Quantities are calculated for full depth of Area shown. Where difference in elevation between pavement surface and prop. pave. grade is less than the prop. depth of the new pave. the new paving material shall be placed over the existing pave. decreasing the depth of the new material and any quantities of material not required to complete the construction shall be non-preformed.

NOTE - Radii measured to face of curb.
Length of Curb measured to back of curb.

ESTIMATED QUANTITIES

ITEM T-32	90# Bituminous Road Mix Surface Course	230	Sq. Yds.
ITEM T-71	8" Reinforced Concrete Pave.	754	Sq. Yds.
ITEM B-11	8" Stabilized Base Course & T-30	694	Sq. Yds
ITEM 1-12	Conc. Curb and Gutter Type 2	440	Lin. Ft.

T-32 90# Bituminous Surface Course on 8" B-11 Base Course & T-30 Prime.

T-32 90# Bituminous Surface Course

T-71 8" Reinforced Conc. Pavt.

Scale 1" = 20'

	Cut	Fill	Cu. Yds.
End Area	0	0	0
Cut Fill	0	30	45
End Area	0	0	0
Cut Fill	7	46	39
End Area	0	14	5
Cut Fill	0	144	0
End Area	0	105	0
Cut Fill	0	0	0

Excavation 89 Cubic
Embankment 412 Cubic
Emb. 1/3% 189 Cu. Yds.

Addition Or Lt.

Sta. 1+00

Sta. 0+41

Sta. 0+32

End Earthwork Sta. 2+80

Begin Approach Earthwork Sta. 0+32

Sta. 2+00
1005.06

Sta. 1+80
1005.52

Sta. 1+00
1006.64

144 1005.73

PT. Sta. 2+00
1005.06

PI. Sta. 1+80
El. 1005.30

PC. Sta. 1+00

Sta. 2+80
1005.06

Sta. 2+00
1005.06

Sta. 1+80
1005.73

Sta. 1+44
1005.73

Sta. 1+00
1006.37

Sta. 0+41
1011.90

Sta. 0+32
1012.31

Sta. 1+00
1006.58

Sta. 1+08
1006.58

PT. Sta. 0+54

PI. Sta. 0+34
El. 1013.66

PC. Sta. 0+14
Edge of Prop. U.S.R.
Elev. 1014.00

Edge of Prop. U.S.R. 40' Slope

Prop. Eastbound Lanes

Prop. Westbound Lanes

Edge of Prop. U.S.R. 40' Pave
Elev. 1013.96

20' V.C.

40' V.C.

Sta. 0+00
1013.66 Lt.
1013.80 Rt.

Sta. 1+00
1014.08

Lt. 1013.48

Rt. 1013.45

1012.51

1013.97

1009.88

144 1005.73

NOTE: The approach Lt. Sta. 808+44.72 is being built for dedicated but unimproved street. It is the intent of Construction the street has been improved, the grade shown for the approach may be adjusted to fit and paving material used to make a proper connection as directed by the Engineer.

APPROACH LT. STA. 808+44.12 RT. STA. 808+94.95

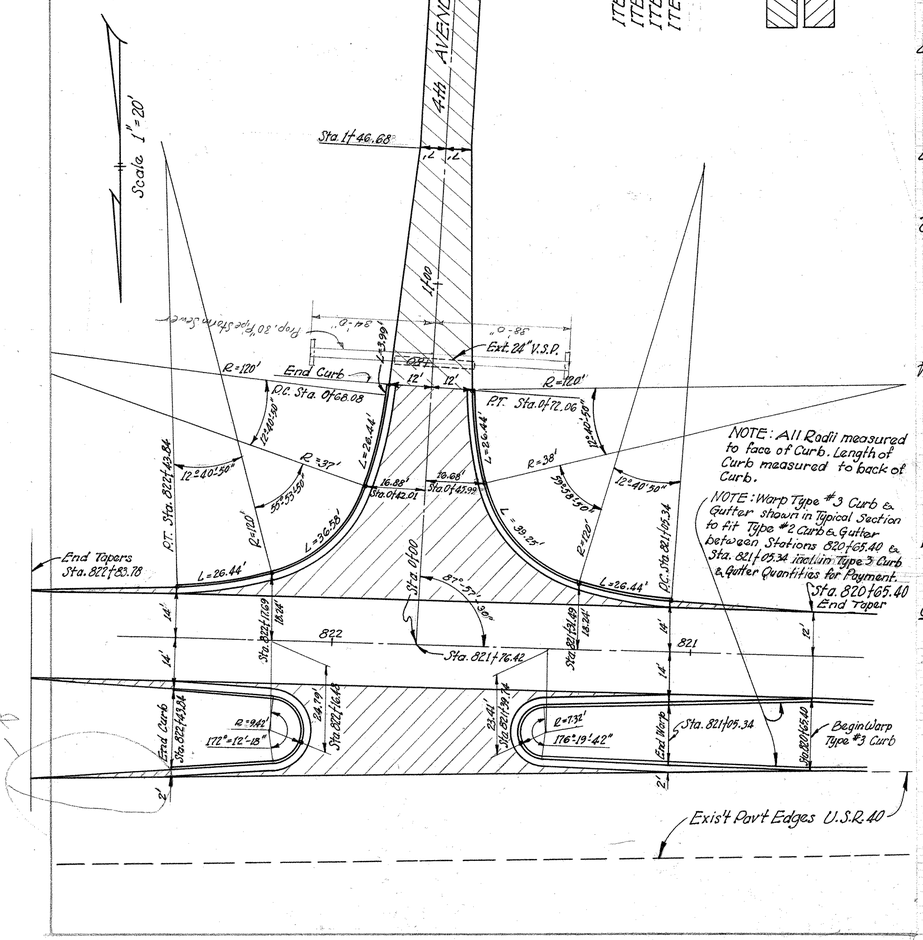
NOTE: The B-11 & T-32 Quantities are calculated for full depth of Area shown. Where differences in elevation between existing pavt. surface and prop. pavt. grade is less than the prop. depth of the new pavt., the new paving material shall be placed over the existing pavt., decreasing the depth of the new material. any quantities of material not required to complete the construction shall be non-proformed.

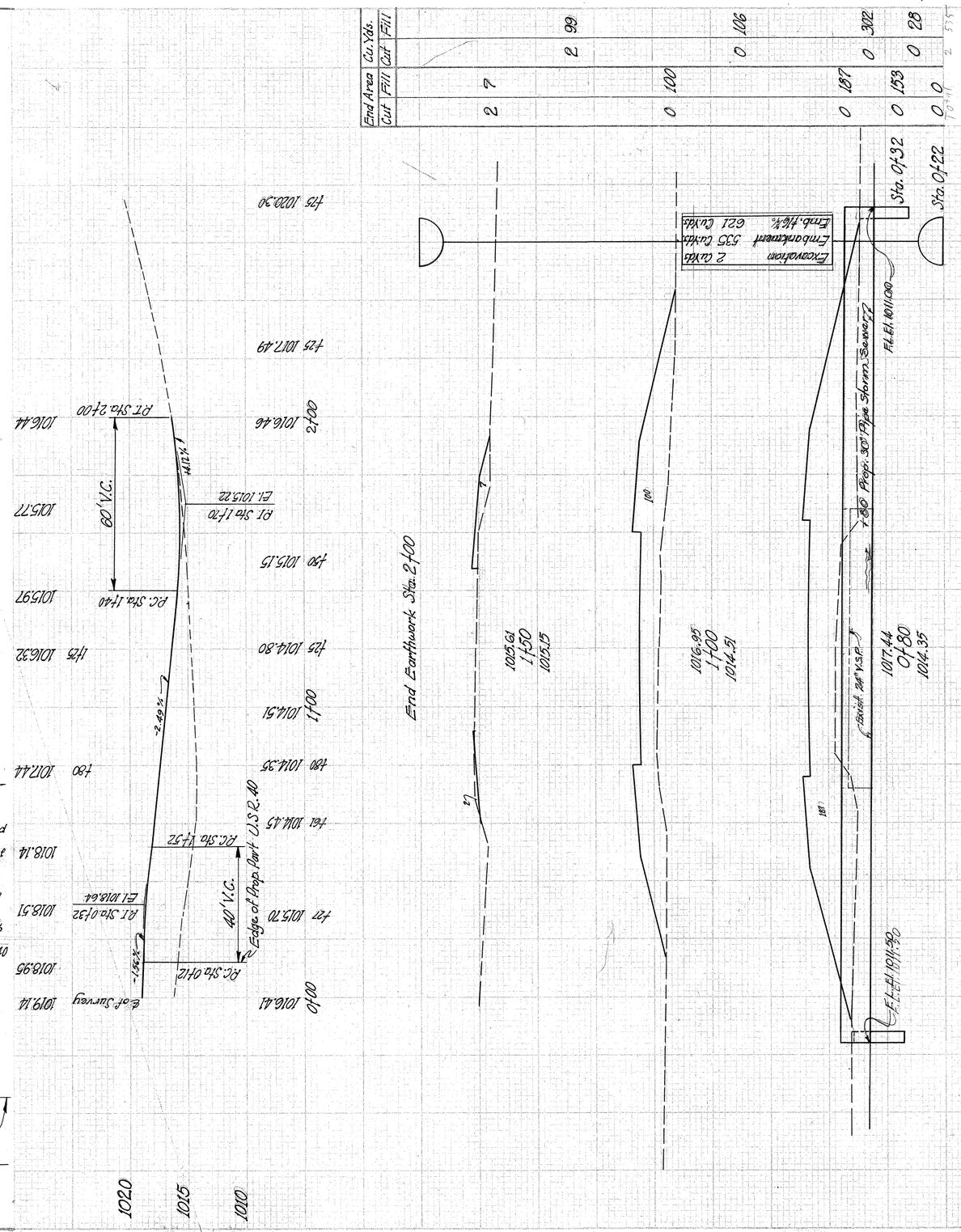
ESTIMATED QUANTITIES

ITEM T-71	8" Reinforced Concrete Pavt.	4635 Sq. Yds.
ITEM T-32	90# Bituminous Road Mix Surface Course	206 Sq. Yds.
ITEM B-11	8" Stabilized Base Course & T-30 Prime	214 Sq. Yds.
ITEM 1-12	Concrete Curb & Gutter Type 2	354 Lin. Ft.

T-32 90# Bituminous Surface Course on 8" B-11 Base Course & T-30 Prime

T-71 8" Reinforced Concrete Pavement





	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	2.7		99	
	0	100	0	106
	0	187	0	302
	0	153	0	28
	0	0	2	57

DIST.	STATE	PROJECT	TYPE FUND
2	OHIO	F-586-7, F-586-7 F-16-2	POST WAR

194
227

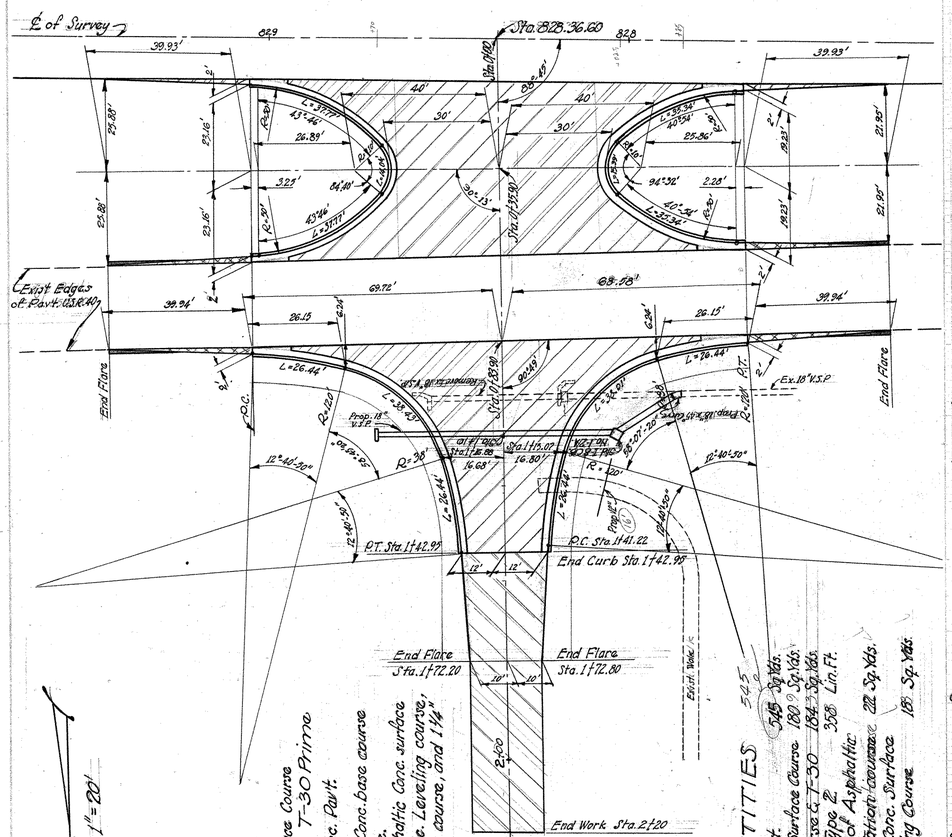
CLARK COUNTY
CLA -40 -(15.18-23.88)

APPROACH RT. STA. 821+76.42

DISTRICT DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7, 16-356-7 F-16-2	POST WAR

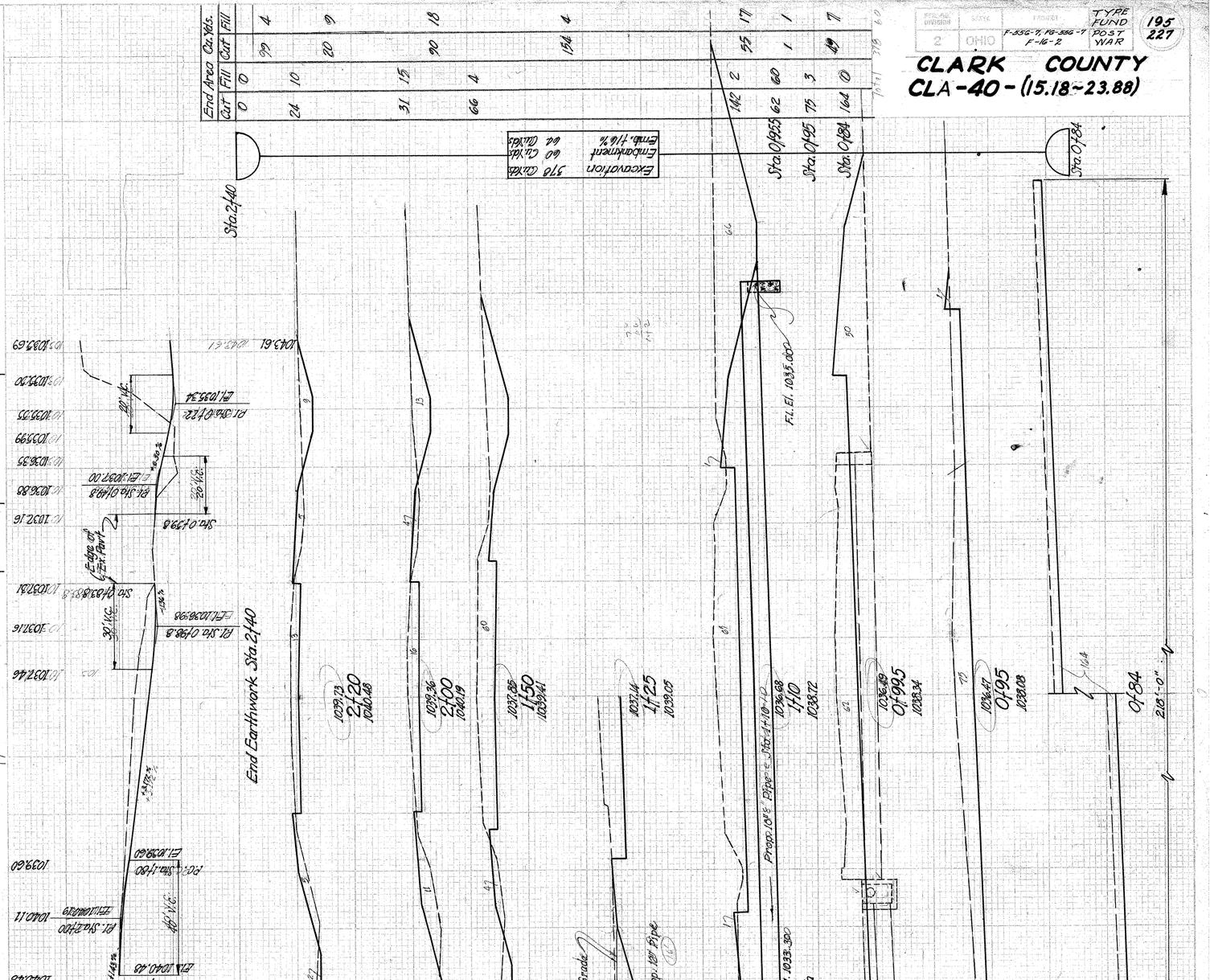
195
227

CLARK COUNTY
CLA-40 - (15.18~23.88)



ESTIMATED QUANTITIES

ITEM T-71	8" Reinforced Conc. Pavt.	545 Sq. Yds.
ITEM T-32	90# Bituminous Road Mix Surface Course	180 Sq. Yds.
ITEM B-11	8" Stabilized Base Course & T-30	184 Sq. Yds.
ITEM 1-12	Conc. Curb and Gutter Type 2	358 Lin. Ft.
ITEMS B-35 & 1-19	2'-3" Courses of Asphaltic Conc. base course, incl. 1¼" insulation course	222 Sq. Yds.
ITEMS T-35 & B-35	-1½" Asphaltic Conc. Surface Course & 1½" Asphaltic Conc. Leveling Course	181 Sq. Yds.



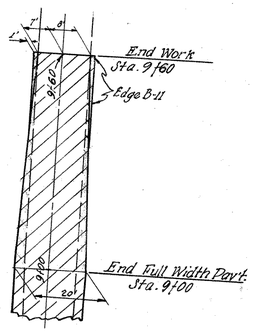
APPROACH LT. STA. 828+36.60

FED. AID DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 F-16-2 PG-556-7	Post WAR

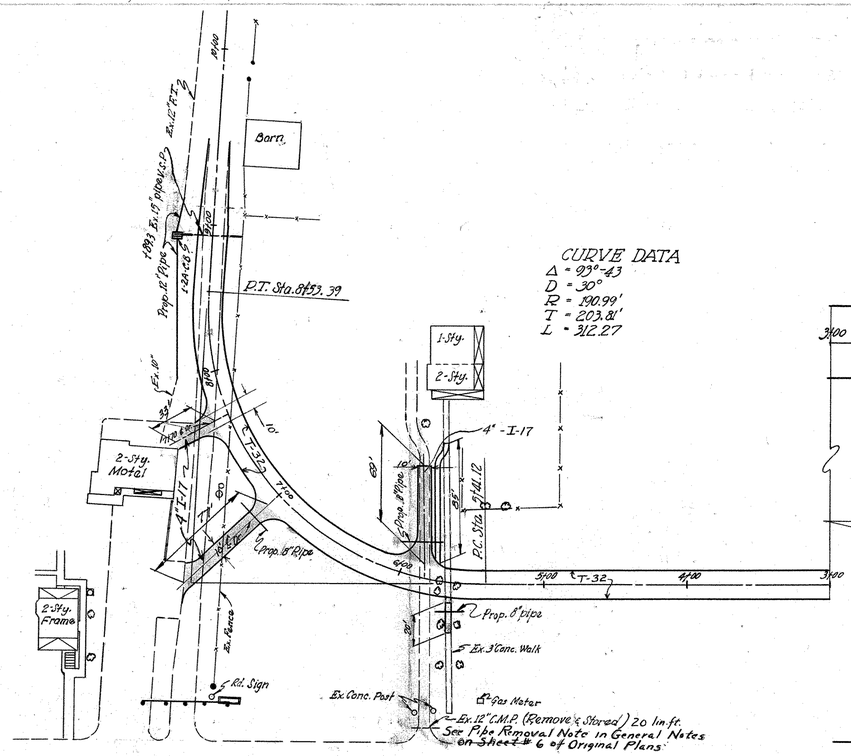
195-A
227

CLARK COUNTY
CLA-40 (15.18 23.88)

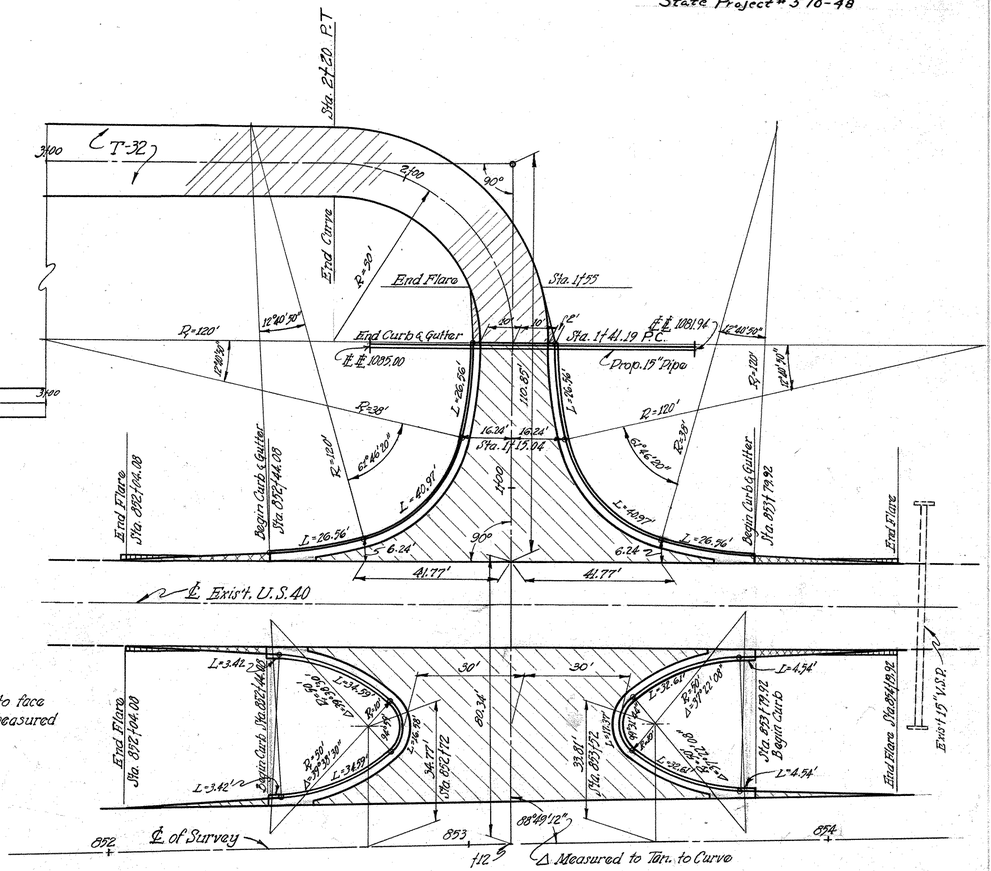
Sheet 1 of 4 Change Order #1
Federal Project # F-556-(7)
State Project # 570-48



DETAIL SHOWING
FLARE AT END OF APPROACH
Scale 1"=20'



CURVE DATA
Δ = 93°-43
D = 30°
R = 190.99'
T = 203.81'
L = 312.27



REVISED ESTIMATED QUANTITIES

ITEM B-11	8" Stabilized base course & T-30 Prime	1853 Sq. Yds.
ITEMS B-35 & I-19	2-3" Asphaltic Conc. Base Course & 1¼" Insulation course.	22 Sq. Yds.
ITEMS B-35 & T-35 & ITEM T-32	1½" Asphaltic Conc. Leveling course & 1½" Asphaltic Conc. Surface course / 90# Bit. Road Mix Surface course.	48 / 1810 Sq. Yds.
ITEM T-71	6" Reinforced Conc. Pavement	616 Sq. Yds.
ITEM I-1	Pipe for Driveways 8"	78 Lin. Ft.
ITEM I-3	Pipe for Roadway Drainage 12"	114 Lin. Ft.
ITEM I-12	Type 2 Curb & Gutter	372 Lin. Ft.
ITEM I-13	Concrete Side Walk	318 Sq. Ft.
ITEM I-17	Side Approach	231 Sq. Yds.

See Sheets 2 and 3 of Change Order #1 for Additional Estimated Quantities

T-32 90# Bituminous Surface Course on B-11 Base course and a T-30 Prime.

T-71 6" Reinforced Conc. Pavement

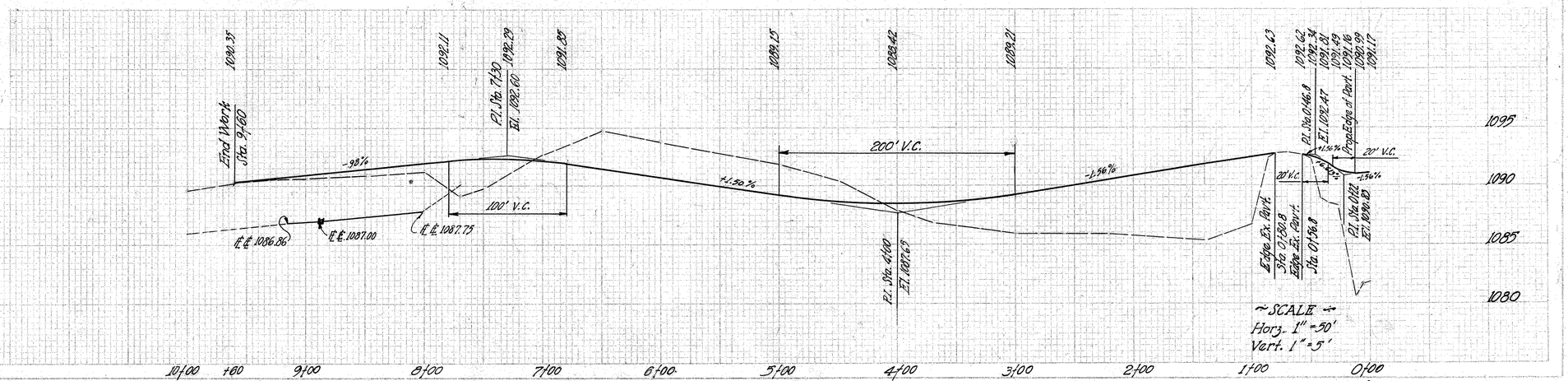
B-35 & I-19 2-3" Asphaltic Conc. Base Course & 1¼" insulation course.

T-35, B-35 & I-19 – 1½" Asphaltic Conc. Surface course, 1¼" Asphaltic Conc. Leveling course, 2-3" Asphaltic Conc. Base Courses and 1¼" insulation course

I-17 Side Approach

NOTE - The B-11 & T-32 Quantities are calculated for full depth of Area shown. Where difference in elevation between existing pavt. surface and prop. Pavt. grade is less than the prop. depth of the new pavt., the new paving material shall be placed over the exish pavt. decreasing the depth of the new material. Any quantities of material not required to complete the construction shall be non-performed.

NOTE - All Radii measured to face of Curb. Length of Curb measured to back of Curb.



SCALE
Horz. 1" = 50'
Vert. 1" = 5'

TUTTLE RD. APPROACH RELOCATED LT. STA. 853+12

End Area	Cu. Yds.
Cut / Fill	Cut / Fill
0 / 232	0
0 / 100	504
0 / 192	345
3 / 29	196
21 / 2	17
103 / 35	3
446 / 0	8
778 / 20	41
328 / 13	13
330 / 13	10
100 / 0	9
100 / 6	

Sta 5+64.5

Sta 5+00

Ahead

Back

Elev. 1081.94

Prop. 15" Pipe Riley Dr. 3-0

Back

Ahead

Ahead

Back

Ahead

Elev. 1085.00

Begin Work

190

182

97

27

7

27

112

18

38

13

409

36

37

1089.15
5+00
1091.78

1088.59
4+80
1090.48

1089.47
4+00
1087.93

1088.49
3+70
1086.83

1089.21
3+00
1085.93

1090.46
2+20
1085.93

1091.60
1+41
1085.33

1092.33
1+00
1086.77

1092.53
0+87
1092.47

REVISED ESTIMATED QUANTITIES

S-1 Concrete for Structures Class "E" 0.8 Cu.yd.
I-2 Pipe Storm Sewers Under Pavement 15" 91 Lin.ft.
E-2 Excavation for Structures 2 cu.yds.

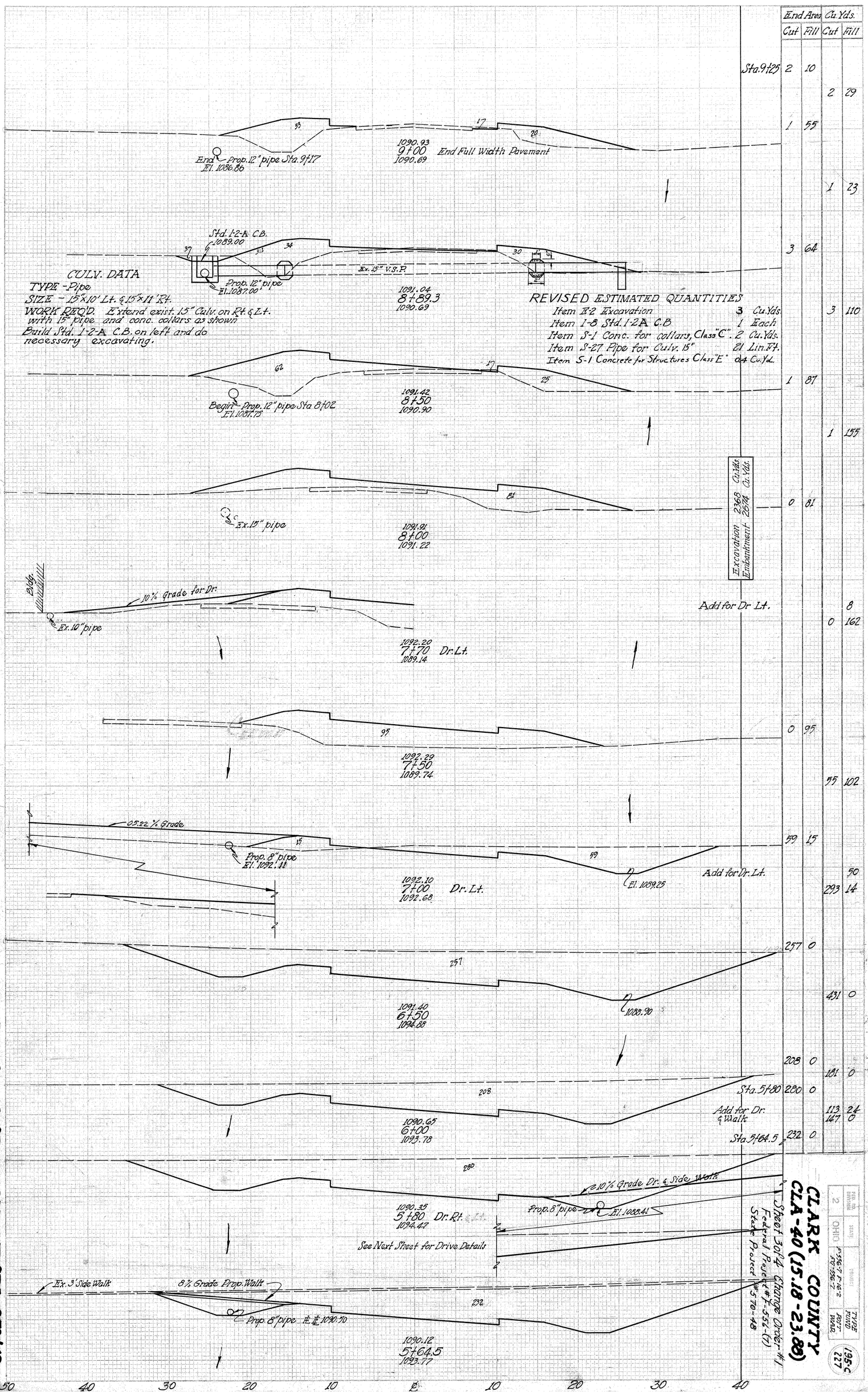
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7, F-16-2, FG-556-7	Post WAR

195-B
227

CLARK COUNTY
CLA-40 (15.18 - 23.88)

Sheet 2 of 4 Change Order #1
Federal Project # F-556(7)
State Project # 570-48

TUTTLE ROAD APPROACH X-SECTIONS LT. STA. 853+12



TUTTLE RD. APPROACH X-SECTIONS LT. STA. 853+12

CLARK COUNTY
CLA-40 (15.18-23.88)
Sheet 3 of 4 Sheets
Federal Project # F-552-(7)
State Project # 5-70-48

FED. NO. DIVISION	STATE	DISTRICT	TYPE FUND
2	OHIO	7	RDWY.

F-356-7 F-16-2
PID-356-7

195C
127

P.C. STA. 5+41.12 — P.T. STA. 8+53.39

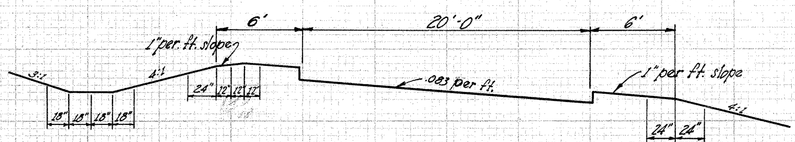
CURVE 30° RT.

Elevation Lt. Edge	Width	Super Elevation	STATION	Center Elevation	Super Elevation	Width	Elevation Rt. Edge
1088.31	10'	.00	3+75	1088.47		10'	1088.31
1088.36		.10	4+00	1088.42			1088.26
1088.54		.24	+25	1088.46			1088.30
1088.87		.44	+50	1088.59			1088.43
1089.34		.67	+75	1088.83			1088.67
1089.99		1.00	5+00	1089.15			1088.99
1090.68		1.32	+25	1089.52			1089.36
1091.27		1.53	+50	1089.90			1089.74
1091.56		1.60	+65	1090.12			1089.96
1091.78		1.66	+75	1090.28			1090.12
1091.85		1.66	+80	1090.35			1090.19
1092.15		1.66	6+00	1090.65			1090.49
1092.53		1.66	+25	1091.03			1090.87
1092.90		1.66	+50	1091.40			1091.24
1093.27		1.66	+75	1091.77			1091.61
1093.60		1.66	7+00	1092.10			1091.94
1093.78		1.66	+25	1092.25			1092.12
1093.79		1.66	+50	1092.29			1092.13
1093.70		1.66	+70	1092.20			1092.04
1093.66		1.66	+75	1092.16			1092.00
1093.41		1.66	8+00	1091.91			1091.75
1093.13		1.62	+25	1091.67			1091.51
1092.67		1.41	+50	1091.42			1091.26
1092.06		1.04	+75	1091.18			1091.02
1091.62		.74	+89.3	1091.04			1090.88
1091.31	10'	.54	9+00	1090.93		10'	1090.77
1090.73		.20	+25	1090.69			1090.53
1090.32		.04	+50	1090.44			1090.28
1090.19		.00	+60	1090.35			1090.19

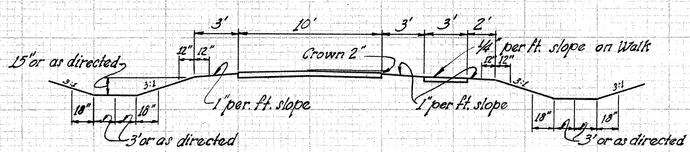
P.C. STA. 1+41.19 — P.T. STA. 2+20

Radius 50'

Elevation Lt. Edge	Width	Super Elevation	STATION	Center Elevation	Super Elevation	Width	Elevation Rt. Edge
1091.52	10'		1+41.19	1091.68	.00	10'	1091.52
1091.39			+50	1091.55	.08		1091.47
1091.00			+75	1091.16	.38		1091.38
1090.61			2+00	1090.77	.40		1091.01
1090.30			+20	1090.46	.28		1090.58
1090.22			+25	1090.38	.18		1090.20
1089.99	10'		+40	1090.15	.10	10'	1089.99

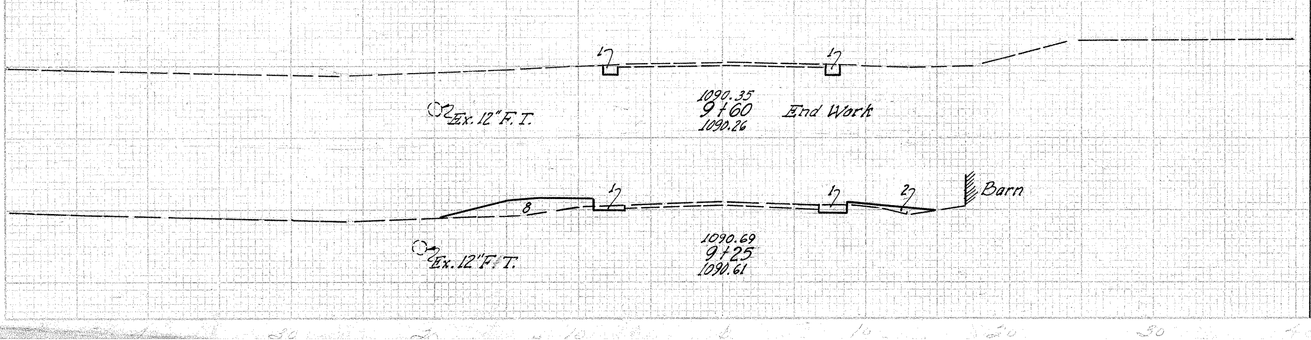


TYPICAL SECTION FOR SUPERELEVATION



TYPICAL DRIVE SECTION
Rt. Sta. 5+80 Showing Side Walk

	End Area Cut	End Area Fill	Cu. Vols. Cut	Cu. Vols. Fill
End Work Sta. 9+60	2	0		
			2	7
Sta. 9+25	2	10		



CLARK COUNTY
CLR-40 (17.18 - 23.88)

Sheet 4 of 4 Change Order #1
Federal Project # F-556-(1)
State Project # 570-48

SHEET NO.	STATE
2	OHIO

PROJECT: F-556-2(F)76-2
19396

TYPE: FOUND ROAD

135.0
227

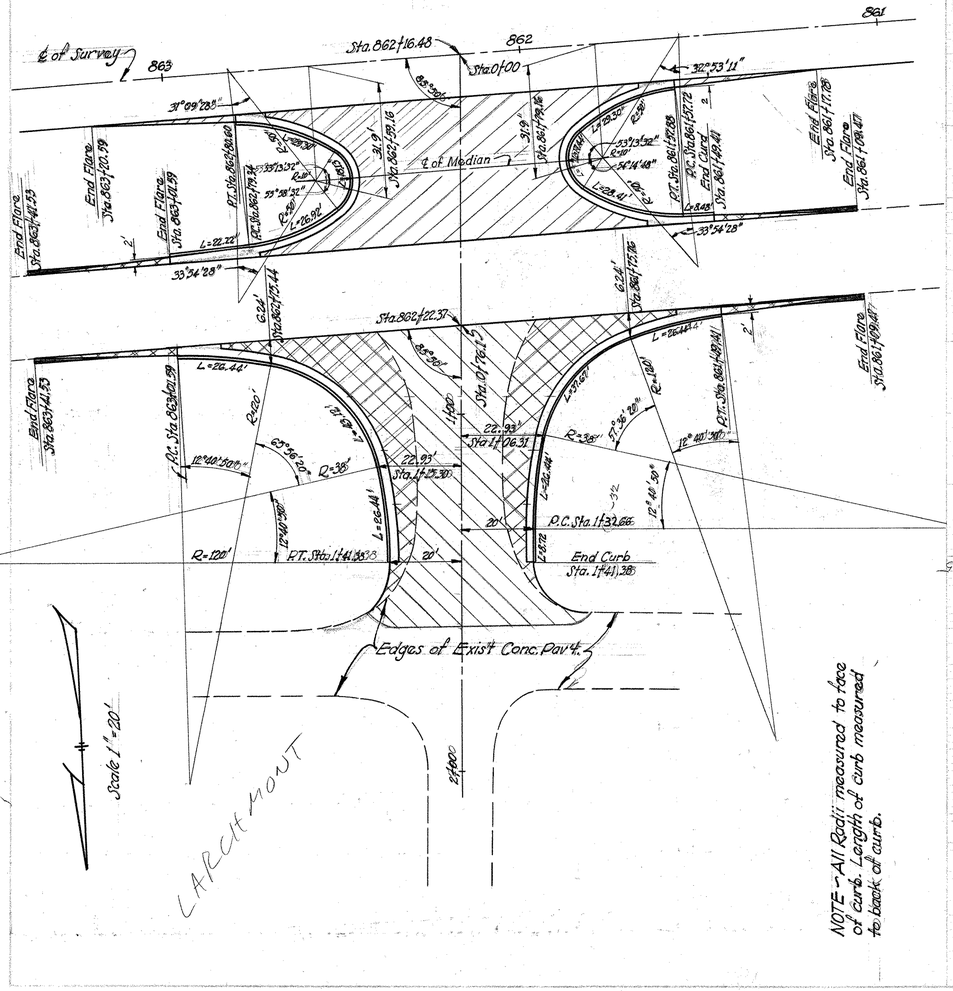
TUTTLE RD. APPROACH X-SECTION LT. STA. 85+12

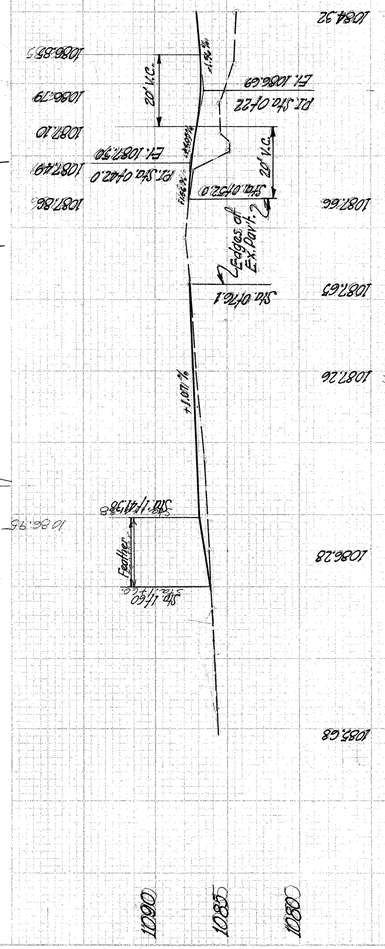
ESTIMATED QUANTITIES

ITEM	T-71	8" Reinforced Conc. Pavt.	327 Sq.Yds.
ITEM	T-35	1½" Asphaltic Conc. Surface Course	471 Sq.Yds.
ITEM	B-35	Asphaltic Conc. Leveling Course (Variable Depth)	187 Sq.Yds.
ITEM	B-35	1½" Asphaltic Conc. Leveling Course	284 Sq.Yds.
ITEM S	B-35 & I-19	2-3" course of Asphaltic Conc. Base course & 1¼" insulation course.	22 Sq.Yds.
ITEM	I-12	Conc. Curb & Gutter Type 2	376 Lin.Ft.

T-71 Reinforced Conc. Pav't.

T-35 & B-35 1½" Asphaltic Conc. Surface Course Type 'A' & Asphaltic Conc. Leveling course of Variable depth.
B-35 & I-19, 2-3" Asphaltic Conc. base course and 1¼" insulation course.
T-35, B-35 & I-19 1½" Asphaltic Conc. Surface course, 1½" Asphaltic conc. leveling course, 2-3" Asphaltic base course & 1¼" insulation course.





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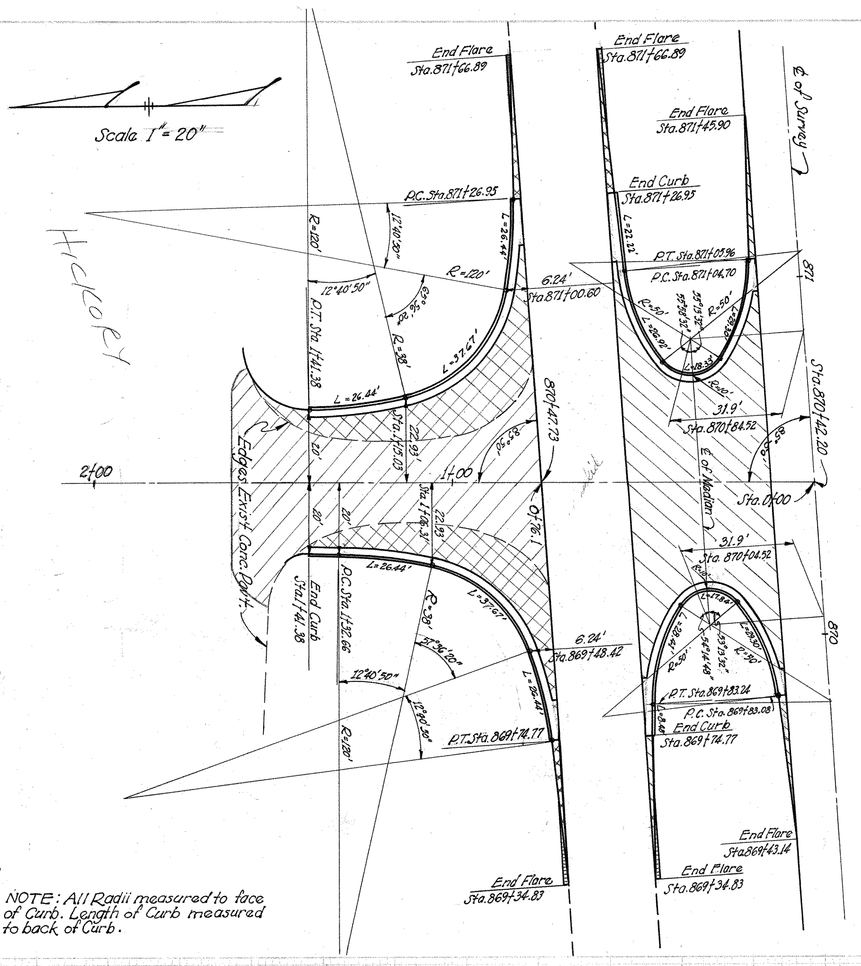


ESTIMATED QUANTITIES

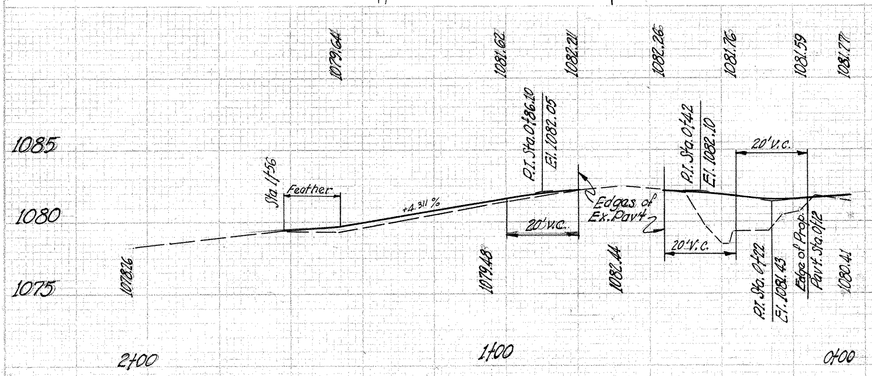
ITEM	T-71	8" Reinforced Conc. Pavt.	336 Sq.Yds.
ITEM	T-35	1½" Asphaltic Conc. Surface Course	509 Sq.Yds.
ITEM	B-35	Asphaltic Conc. Leveling Course (Variable Depth)	322 Sq.Yds.
ITEM	B-35	1½" Asphaltic Conc. Leveling Course	187 Sq.Yds.
ITEMS	B-35 & I-19, -2-3" Courses of Asphaltic Conc. Base course & 1¼" Insulation course		22 Sq.Yds.
ITEM	I-12	Conc. Curb and Gutter Type 2	361 Lin.Ft.

T-71 Reinforced Conc. Pavt.

T-35 & B-35 1½" Asphaltic Conc. Surface Course Type A & Asphaltic Conc. Leveling course of Variable Depth

B-35 & I-19, 2-3" Asphaltic Conc. base course and 1¼" insulation course.

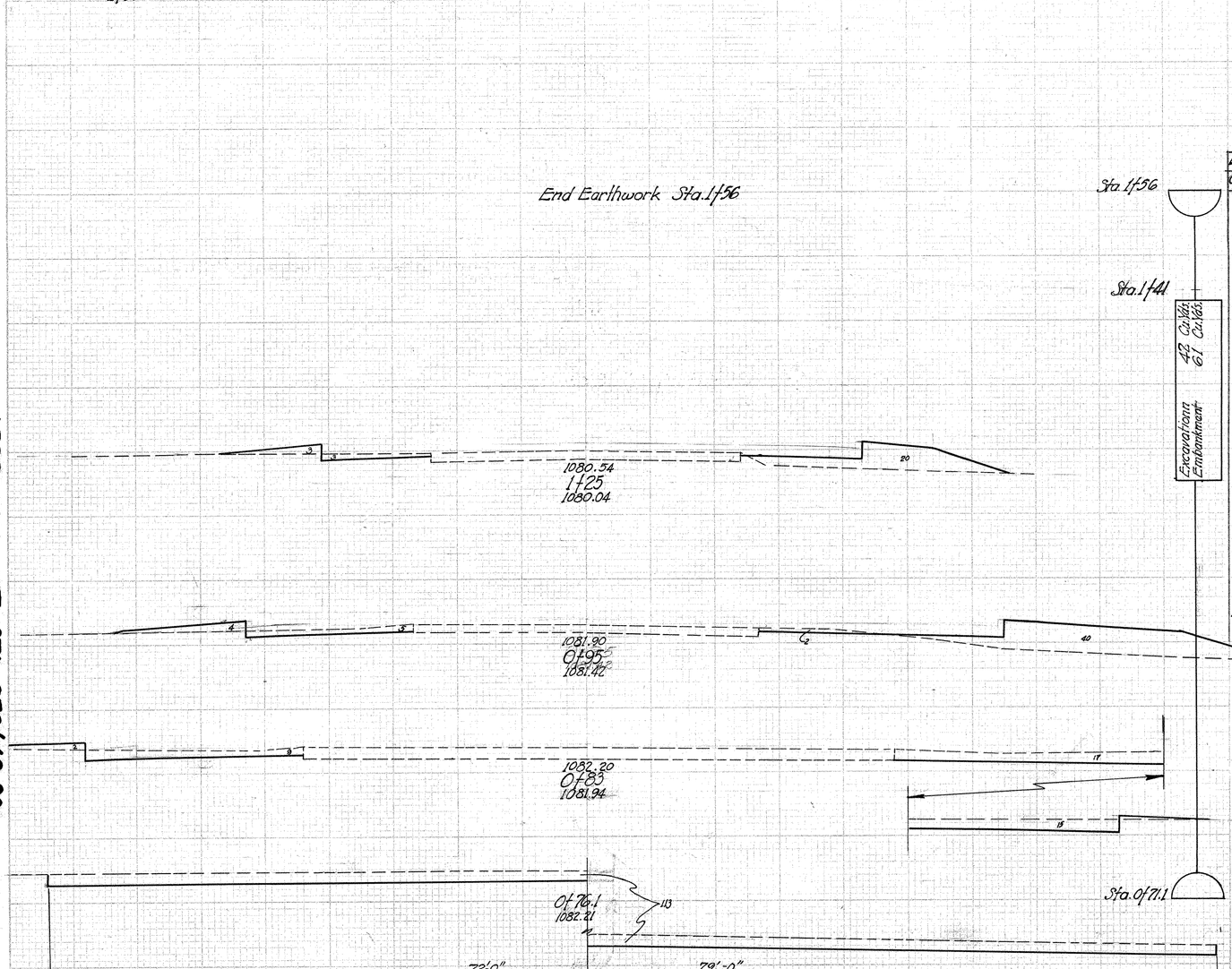
T-35, B-35 & I-19 - 1½" Asphaltic Conc. Surface course, 1½" Asphaltic Conc. Leveling course, 2-3" Asphaltic base course & 1¼" insulation course



End Earthwork Sta. 1+56

	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
Sta. 1+56	0	0		
			1	3
Sta. 1+41	5	10		
			2	10
	3	23		
			6	37
	7	44		
			13	10
	41	2		
			20	1
	113	0		

42 Cu.Yds. Excavation
61 Cu.Yds. Embankment



APPROACH LT. STA. 870+42.20

CLARK COUNTY
CLA-40-(15.18-23.88)

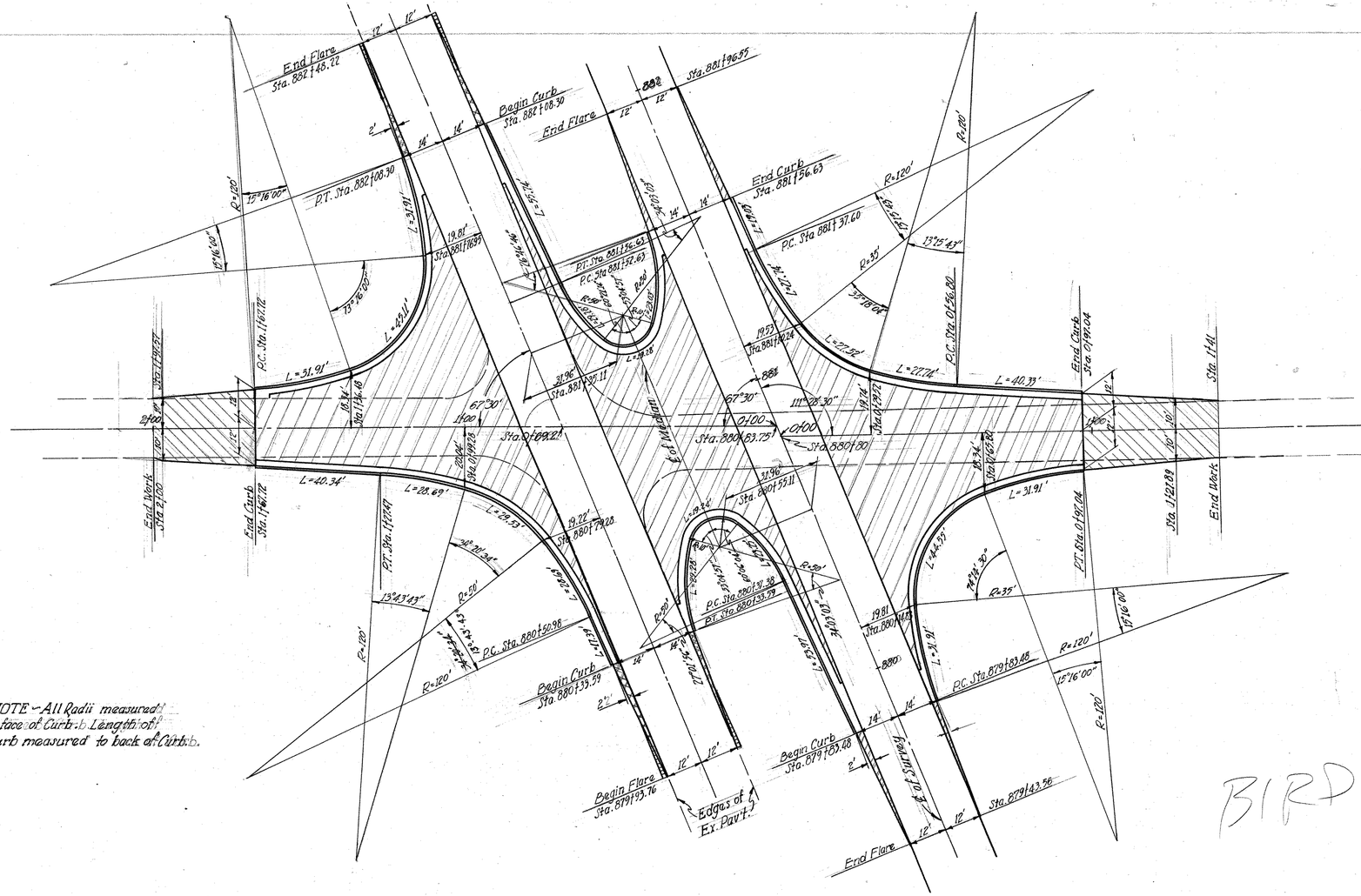
OHIO | SHEET NO. 2 | SHEETS | PROJECT NO. F-556-1-76 PID 5963 | TYPE POST WAR

197
227

FED. AID DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		

197-A
227

CLARK COUNTY
CLA.-40-(15.18 - 23.88)



NOTE - All Radii measured to face of Curb. Length of Curb measured to back of Curb.

T-71 8" Reinforced Concrete Pavement

T-32 90# Bituminous Road Mix Surface Course & T-30 Prime Coat. B-35 & I-19 2-3" Asphaltic Conc. Base Course & 1¼" insulation Course.

T-35, B-35 & I-19 - 1½" Asphaltic Conc. surface course, 1½" Asphaltic Conc. Leveling course, 2-3" Asphaltic Conc. Base courses and 1¼" Insulation course.

ESTIMATED QUANTITIES

ITEM	T-71	8" Reinforced Conc. Pav't.	1202 Sq.Yds.
ITEM	T-32	90# Bit. Road Mix Surface Course	107 Sq.Yds.
ITEMS	B-11 & T-30	8" Stabilized Base Course & Prime Coat	110 Sq.Yds.
ITEM	I-12	Conc. Curb & Gutter Type 2	757 Sq.Yds.
ITEMS	B-35 & I-19	2-3" Courses of Asphaltic Conc. Base course & 1¼" Insulation course.	22 Sq.Yds.
ITEMS	T-35 & B-35	1½" Asphaltic Conc. Surface course & 1½" Asphaltic Conc. Leveling course.	18 Sq.Yds.

BIRD

1 of 2 Sheets

APPROACH RT. STA. 880+80 LT. STA. 880+83.75

End Area	Cu. Yds.
Cut	Fill	Cut	Fill
5	3		
0	57		
27	14		
30	62		
0	0		

Sta. 2100

Excavation Cl. Yds.
Embankment Cl. Yds.

1074.05
2400 End Work
1074.05

1074.59
1450
1075.10

Sta. 1425

1074.79
1425

1074.87
1400 Parallel to ℄ Ex. Pavt.
1075.24

Sta. 1400.62

0+82.19 Begin Work

End Area	Cu. Yds.
Cut	Fill	Cut	Fill
0	0		
21	24		
53	15		
0	0		

Sta. 1441

1441 End Work

1400

Sta. 0+21

1076.36
1400
1076.69

1075.32
0+00
1076.39

0+21 Begin Work

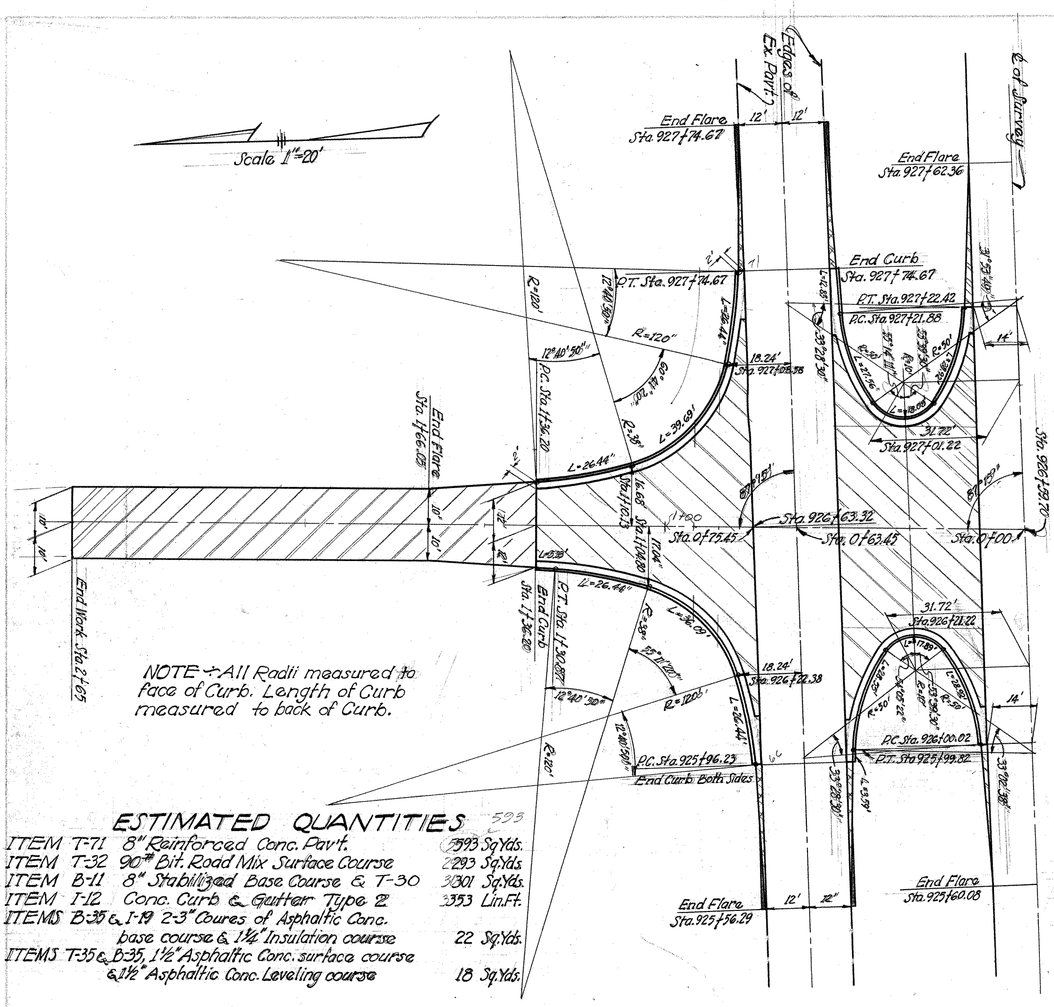
STATE DIV. NO. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		

197-8
227

CLARK COUNTY
CLA-40-(15.18-23.88)

2 of 2 Sheets

APPROACH SECTION RT. STA. 880+80 LT. STA. 880+83.75



ESTIMATED QUANTITIES

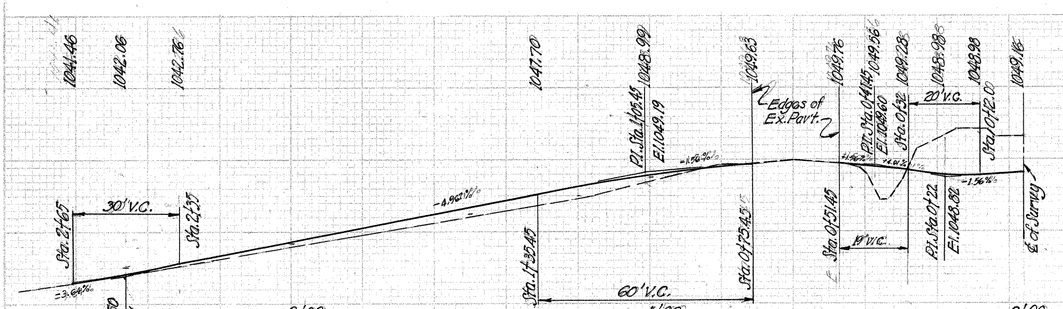
ITEM T-71	8" Reinforced Conc. Pav't.	5393 Sq.Yds.
ITEM T-32	90# Bit. Road Mix Surface Course	2293 Sq.Yds.
ITEM B-11	8" Stabilized Base Course & T-30	3301 Sq.Yds.
ITEM I-12	Conc. Curb & Gutter Type 2	3353 Lin.Ft.
ITEMS B-35 & I-19	2-3" Coures of Asphaltic Conc. base course & 1¼" Insulation course	22 Sq.Yds.
ITEMS T-35 & B-35,	1½" Asphaltic Conc. surface course & 1½" Asphaltic Conc. Leveling course	18 Sq.Yds.

90# T-32 Surface Course on 8" B-11 Base Course & T-30 Prime

T-71 Reinforced Conc. Pav't.

B-35 & I-19 2-3" Asphaltic Conc. base course, & 1¼" insulation course

T-35, B-35 & I-19 Asphaltic Conc. surface course, 1½" Asphaltic Conc. Leveling course, 2-3" Asphaltic Conc. Base course, and 1¼" insulation course.



End Earthwork

	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
Sta. 2+65 End	0	2		
			4	1
+50	18	2		
			26	65
2+00	13	68		
			17	189
1+50	5	136		
			16	224
1+00	13	106		
			6	28
0+92	25	84		
			13	11
0+85	74	0	34	0
Sta. 0+75.45	118	0		
Total			120	519

Excavation 119 Cu.Yds.
Embankment 519 Cu.Yds.

CLARK COUNTY
CLA-40-(15.18-23.88)

APPROACH LT. STA. 926+52.70

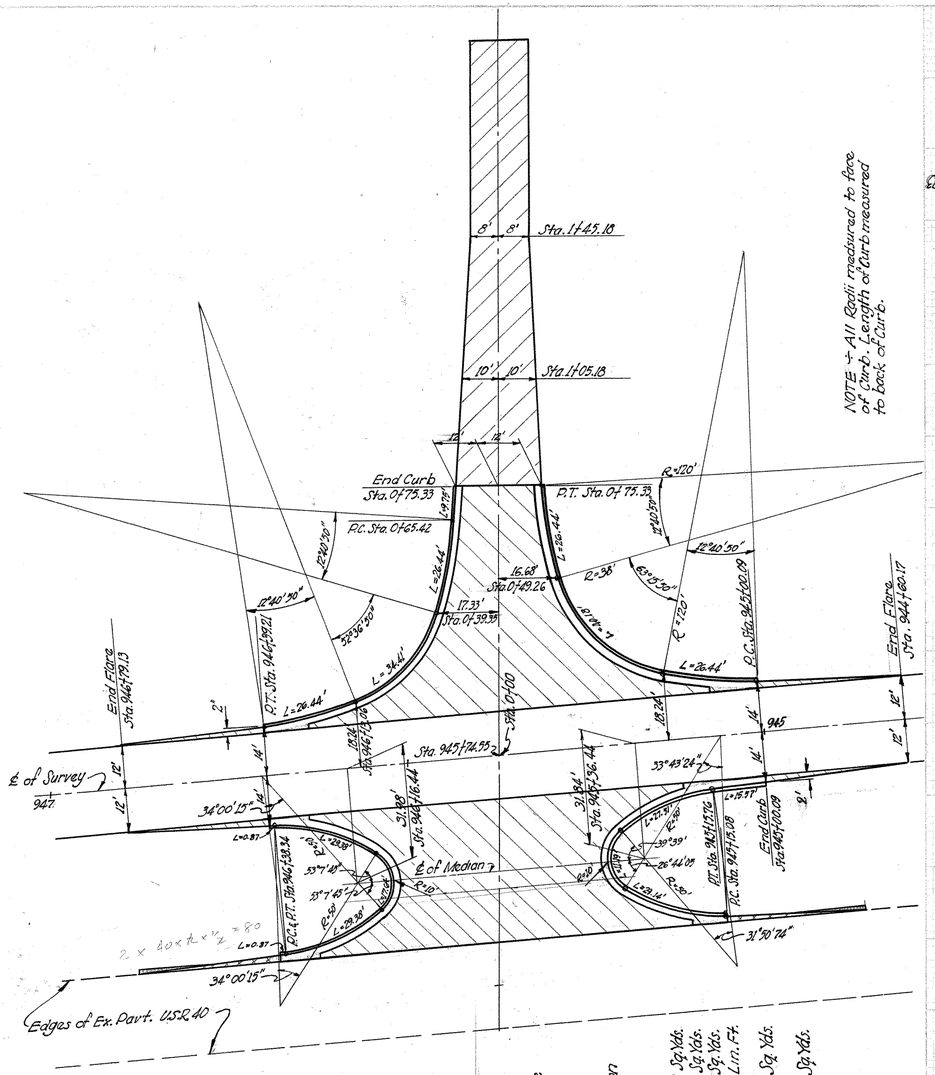
FED. ROAD DIST. NO.	STATE	PROJECT			TOTAL SHEETS
2	OHIO	F-CSC-[illegible]-[illegible]-1			198
		F-40-2	ROAD	WAR	227

40 30 20 10 ℄ 10 20 30 40 50

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356P F-G-356-7 F-J6-2	POST WAR

199
227

CLARK COUNTY
CLA-40-(15.18-23.88)



NOTE - All Radii measured to face of Curb, Length of Curb measured to back of Curb.

T-32 90# Bit. Road Mix Surface Course on B-11 8" Base Course & T-30 Prime

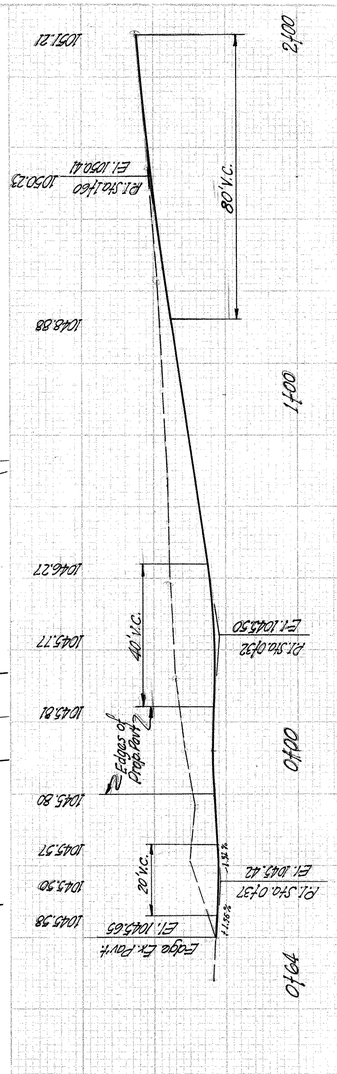
T-71 8" Conc. Base Course

B-35 & I-19 2.5" Asphaltic Conc. base course & 1/4" Insulation course.

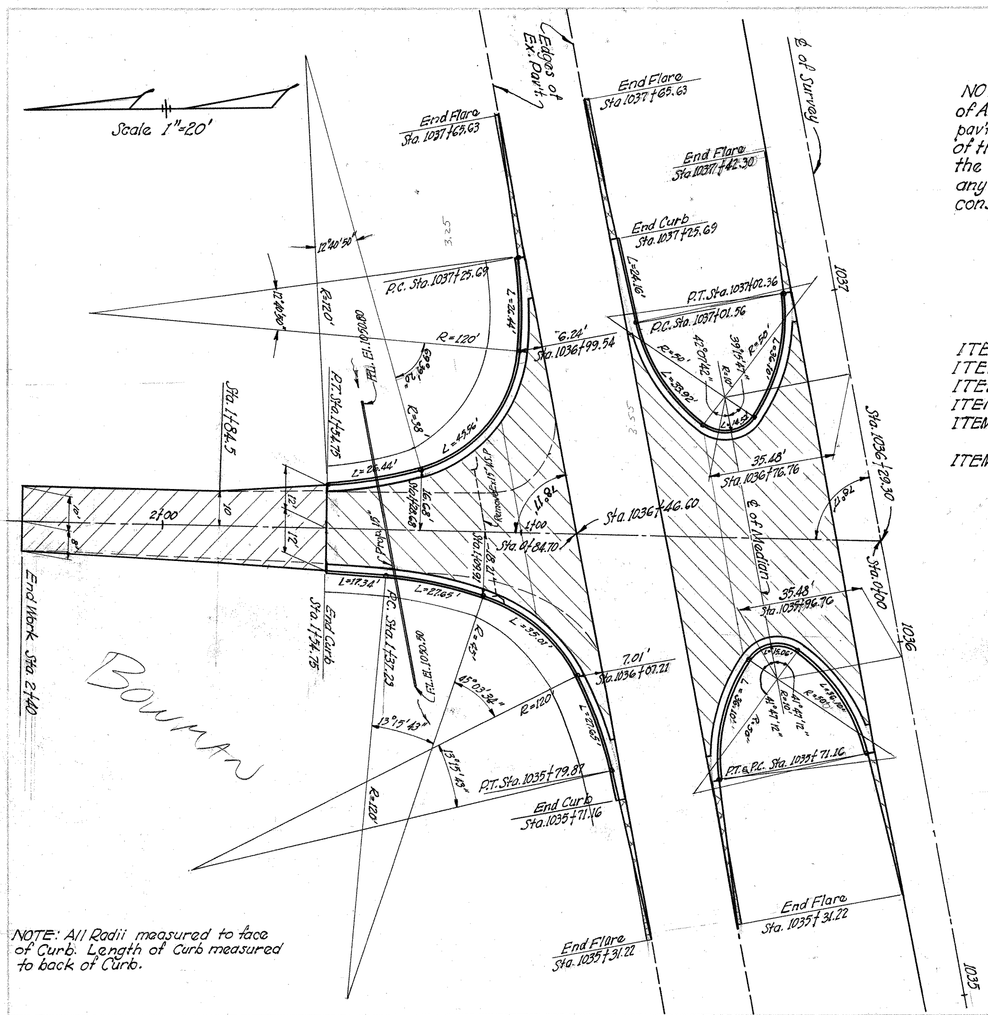
T-35, B-35 & I-19 Asphaltic Conc. surface course, 1/4" Asphaltic Conc. Leveling course, 2-3" Asphaltic Conc. Base course & 1/4" insulation course

ESTIMATED QUANTITIES

ITEM T-71	8" Reinforced Conc. Pav't.	622 Sq. Yds.
ITEM T-32	90# Bituminous Rd. Mix Surface Course	221 Sq. Yds.
ITEM B-11	8" Stabilized Base Course & T-30	228 Sq. Yds.
ITEM I-12	Conc. Curb & Gutter Type 2	337 Lin. Ft.
ITEMS B-35 & I-19	2.5" Courses of Asphaltic Conc. base course & 1/4" Insulation Course	11 Sq. Yds.
ITEMS T-35 & B-35 & I-19	1½" Asphaltic Conc. Surface course & 1/4" Asphaltic Conc. Leveling course	9 Sq. Yds.



APPROACH RT. STA. 945+74.55



NOTE: All Radii measured to face of Curb. Length of Curb measured to back of Curb.

NOTE ÷ B-11 & T-32 Quantities are calculated for full depth of Area shown. Where difference in elevation between existing pav't surface and prop. Pav't. grade is less than the prop. depth of the new pav't, the new paving material shall be placed over the existing pav't. decreasing the depth of the new material & any quantities of material not required to complete the construction shall be non-preformed.

ESTIMATED QUANTITIES

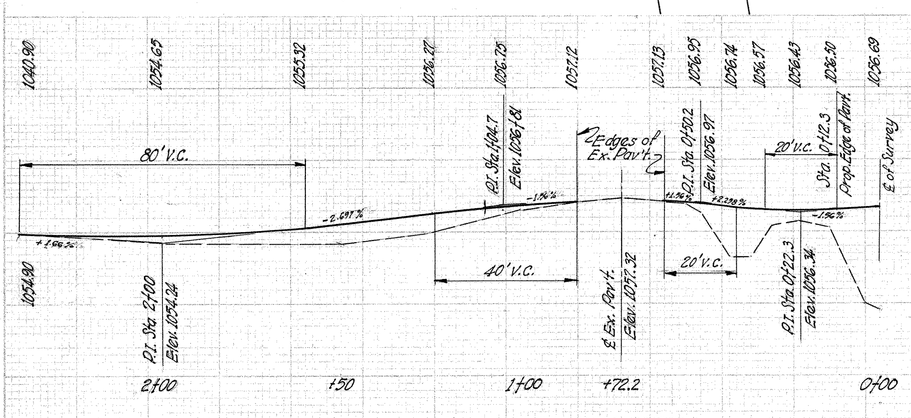
ITEM T-71 8" Reinforced Conc. Pav't.	476	Sq. Yds.
ITEM T-32 90# Bituminous Road Mix Surface Course.	196	Sq Yds
ITEM B-11 8" Stabilized Base Course. & T-30	198	Sq. Yds.
ITEM I-12 Conc. Curb & Gutter Type 2.	382	Lin. Ft.
ITEMS B-35 & I-19 2-3" Courses of Asphaltic Conc. base course & 1¼ Insulation course.	22	Sq. Yds.
ITEMS T-35 & B-35 1½" Asphaltic Conc. Surface course & 1½" Asphaltic Conc. Leveling Course.	18	Sq. Yds.

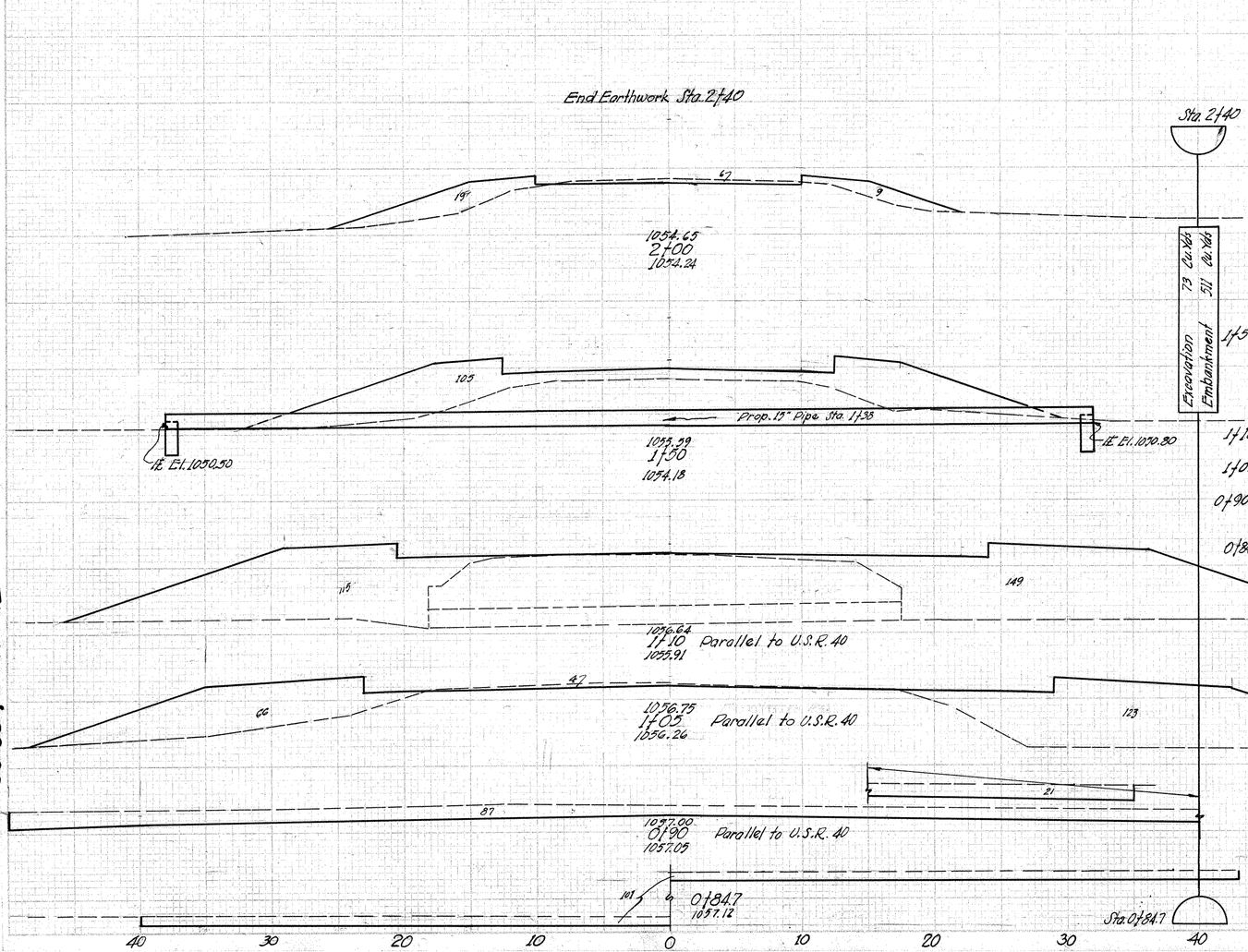
T-32 90# Bituminous Surface Course on 8" B-11 Base Course & T-30 Prime

T-71 8" Reinforced Conc. Pav't.

B-35 & I-19 2-3" Asphaltic Conc. base course & 1¼" Insulation course.

T-35, B-35 & I-19 Asphaltic Conc. surface course, 1½" Asphaltic Conc. Leveling course, 2-3" Asphaltic Conc. base course & 1¼ Insulation course





	End Area		Cu. Yds	
	Cut	Fill	Cut	Fill
Sta. 2+40	0	0		
			16	21
	6	28		
			5	123
1+50	0	105		
			0	273
			Excavation 73 Cu. Yds.	Embankment 511 Cu. Yds.
1+10	0	264	1	42
1+05	4	189	31	52
0+90	108	0	20	0
0+84.7	101	0		

APPROACH LT. STA. 1036+29.30

CLARK CLA-40-(15.18-23.88) COUNTY

2 OHIO

FED. PROJ. NO. FAP-554-7 SP-554-7

STATE PROJ. NO. 200 227

TYPE FUNDS POST WAR

T-32 90# Bit. Road Mix Surface Course and B-11 8" Base Course & T-30 Prime.

T-71 8" Reinforced Conc. Pavt.

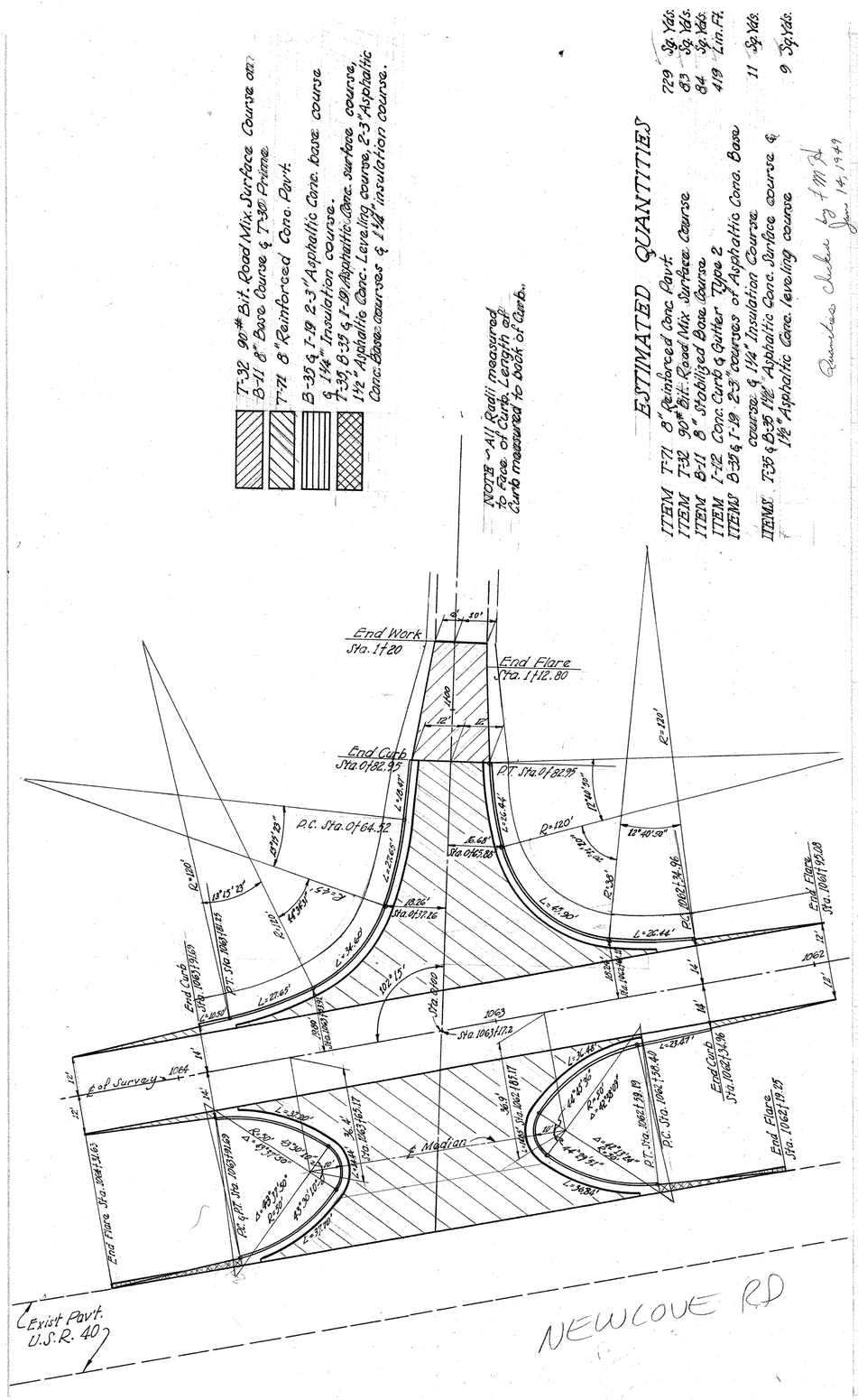
B-35 & I-19 2-3" Asphaltic Conc. base course & 1¼" Insulation course.
T-35, B-35 & I-19 Asphaltic Conc. surface course, 2-3" Asphaltic Conc. Base courses & 1¼" insulation course.

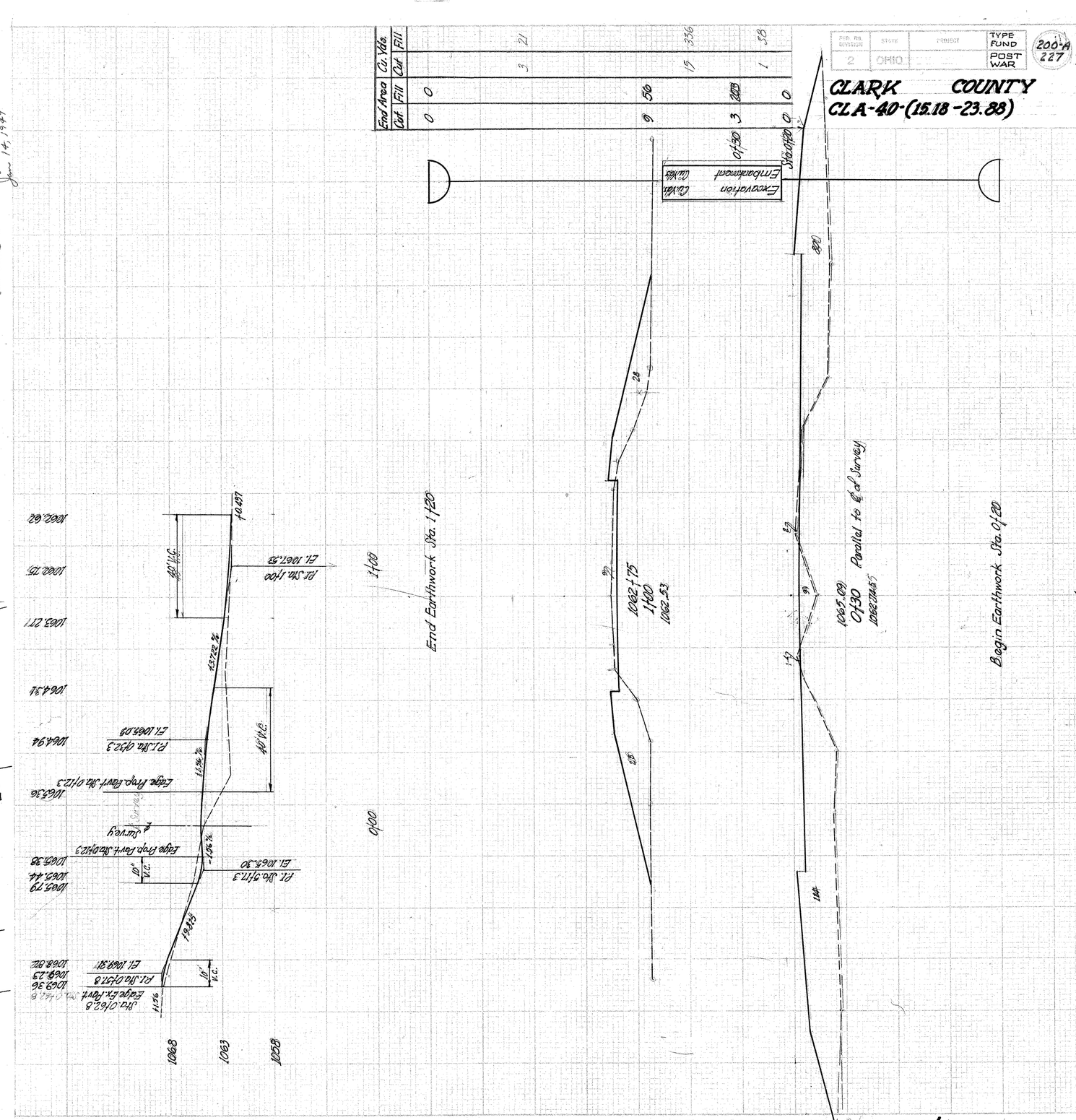
NOTE - All Radii measured to Face of Curb. Length of Curb measured to back of Curb.

ESTIMATED QUANTITIES

ITEM	T-71	8" Reinforced Conc. Pavt.	729 Sq. Yds.
ITEM	T-32	90# Bit. Road Mix Surface Course	83 Sq. Yds.
ITEM	B-11	8" Stabilized Base Course	94 Sq. Yds.
ITEM	I-12	Conc. Curb & Gutter Type 2	419 Lin. Ft.
ITEMS	B-35 & I-19	2-3" courses of Asphaltic Conc. Base course & 1¼" Insulation Course	11 Sq. Yds.
ITEMS	T-35 & B-35 & I-19	1½" Asphaltic Conc. Surface course & 1½" Asphaltic Conc. leveling course	9 Sq. Yds.

Examined by [illegible] Jan 14, 1949





1 Sheet

APPROACH RT. STA. 1063+17.2

PROJECT NO. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

201
227

CLARK COUNTY
CLA-40-(15.18-23.88)

BUENA VISTA

Scale 1"=20'

CURVE DATA
Δ = 6°6'
D = 6°
R = 954.93'
T = 50.88'
L = 101.67'
E = 1.40'

T-32 90# Bituminous Surface Course on B-11 Base Course & T-30 Prime
T-71 8" Reinforced Concrete Pavement
B-35 & I-19 2-3" Asphaltic Conc. Base course & 1¼" Insulation course.
I-17 4" Thick
T-35, B-35 & I-19 - 1½" Asphaltic Conc. Surface course, 1½" Asphaltic Conc. Leveling course, 2-3" Asphaltic Conc. base courses & 1¼" Insulation course.

NOTE - All Radii measured to face of Curb. Length of Curb measured to back of Curb.

ESTIMATED QUANTITIES

ITEM	T-71	8" Reinforced Conc. Pav't.	1076 Sq.Yds.
ITEM	T-32	90# Bituminous Road Mix Surface Course	1039 Sq.Yds.
ITEM	B-11	8" Stabilized Base Course & T-30	1066 Sq.Yds.
ITEM	I-12	Conc. Curb & Gutter Type 2	603 Lin. Ft.
ITEM	I-17	Side Approaches, Mail Box Turnouts & Berm Mat.	286 Sq.Yds.
ITEMS	B-35 & I-19, 2-3" Courses of Asphaltic Conc. base course & 1¼" Insulation course.		22 Sq.Yds.
ITEMS	B-35 & T-35 1½" Asphaltic Conc. Surface course & 1½" Asphaltic Conc. Leveling course.		18 Sq.Yds.
ITEM	I-1	12" Pipe for Driveways	34 Lin.Ft.
ITEM	I-1	8" Pipe for Driveways	26 Lin.Ft.

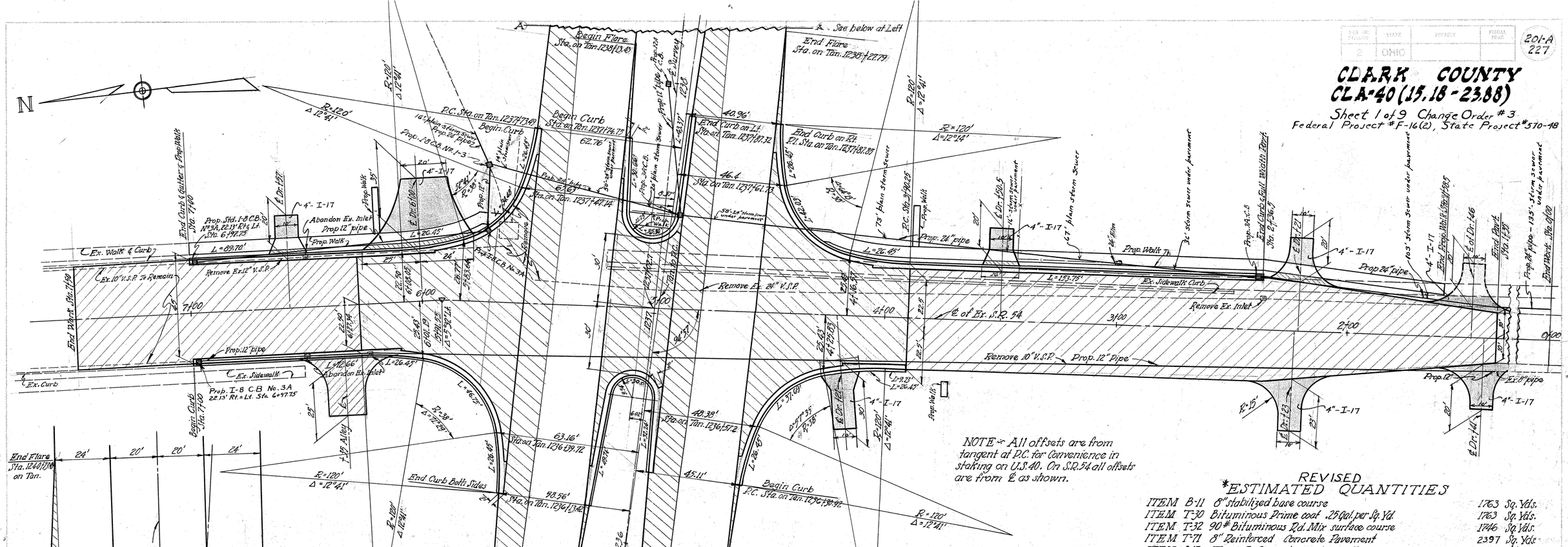
APPROACHES RT. & LT. STA. 1143+90.20

DIST. OR ENGINE	STATE	PROJECT	FISCAL YEAR
2	OHIO		

201-A
227

CLARK COUNTY
CLA-40 (15.18 - 23.88)

Sheet 1 of 9 Change Order # 3
Federal Project # F-16(2), State Project # 570-48


N
A
A - See below at Left
Begin Flare Sta. on Tan. 1238+13.43
End Flare Sta. on Tan. 1238+27.79
P.C. Sta. on Tan. 1237+73.49
Begin Curb Sta. on Tan. 1237+74.75
End Curb on Lt. Sta. on Tan. 1237+09.32
End Curb on Rt. Sta. on Tan. 1237+81.89
P.C. Sta. 1237+46.14
Begin Curb Sta. 7+40
End Curb & Gutter & Prop. Walk Sta. 7+40
End Work Sta. 7+40
Prop. Std. I-8 C.B. No. 3A, 22.13' Rt. & Lt. Sta. 6+97.75
Abandon Ex. Inlet
Prop 12" pipe
Prop. Walk
Ex. Walk & Curb
Ex. 10" V.S.P. To Remain
Remove Ex. 12" V.S.P.
Ex. Curb
Ex. Sidewalk
Prop. I-8 C.B. No. 3A 22.13' Rt. = Lt. Sta. 6+97.75
Abandon Ex. Inlet
Prop. 12" pipe
Begin Curb Sta. 7+00
End Flare Sta. 1240+71.10 on Tan.
24'
20'
20'
24'
℄ of Survey
Tangent to P.C.
Sta. on Tan. 1239+82.84 End Flare
End Curb Both Sides
Sta. on Tan. 1236+79.72
Sta. on Tan. 1236+13.16
Begin Flare Sta. on Tan. 1235+90.96
End Flare Sta. on Tan. 1235+73.48
P.C. Sta. 1235+48.81
Begin Flare Sta. 1234+17.01
End Flare Sta. on Tan. 1234+82.84
End Flare
Begin Flare Sta. 1235+17.36
Remove Ex. 24" V.S.P.
Remove Ex. Inlet
Remove 10" V.S.P.
Prop. 12" Pipe
℄ of Ex. S.R. 54
Ex. Sidewalk Curb
Prop. 24" pipe
Prop. Walk
Prop. 24" pipe - 135' Storm sewer under pavement
End Work Sta. 0+00
Prop. 12"
Ex. 8" pipe
4"-I-17
Prop. I-8 C.B. No. 1-3
Prop. 24" Storm Sewer
Prop. 18" Storm Sewer
Prop. 12" pipe
Prop. 24" pipe
73' plain Storm Sewer
64' plain Storm Sewer
36' Storm Sewer under pavement
103' Storm Sewer under pavement
End Prop. 18" pipe Sta. 1+98.5
End Prop. 24" pipe Sta. 0+46.5
End Curb & Gutter Width Pavt.
End Prop. 24" pipe Sta. 1+36.5
End Prop. 24" pipe Sta. 0+46
End Prop. 24" pipe Sta. 1+19.5
End Prop. 24" pipe Sta. 1+35
End Prop. Pavt. Sta. 11+35
Sta. 2+36.5 End Full Width Pavt. El. 1189.79
C.B. 3A Rt. El. 1185.30
F.L. El. 1181.91 Rt.
C.B. 3A Lt. El. 1189.26
C.B. 12-A F.L. El. 1188.40
C.B. 3A El. 1187.63
C.B. 3A Rt. & Lt. El. 1191.40
F.L. El. 1186.40
F.L. El. 1184.40
F.L. El. 1183.00
F.L. El. 1183.75
El. 1186.70
El. 1187.77
El. 1186.40
El. 1186.28
El. 1189.03
El. 1189.75
El. 1189.66
El. 1190.42
El. 1190.17
El. 1190.19
El. 1189.21
El. 1189.38
El. 1189.55
El. 1189.38
El. 1188.74
El. 1188.07
El. 1187.59
El. 1191.89
El. 1186.80
El. 1186.48
El. 1189.79
El. 1187.52
El. 1187.63
El. 1187.77
El. 1188.07
El. 1188.74
El. 1189.38
El. 1189.55
El. 1189.38
El. 1189.21
El. 1189.66
El. 1190.42
El. 1190.17
El. 1190.19
El. 1189.26
El. 1189.03
El. 1189.75
El. 1186.28
El. 1186.40
El. 1186.70
El. 1187.59

End Area	Cu. Yds.
Cut	Cut
Fill	Fill
0	0
0	0
0	0
0.84	6
	62
113	197
0	3
1	128
61	1
77	0
0	125
58	0
0	3
0	69
0	2

BAR IS ONE INCH ON ORIGINAL DRAWING	STATE	PROJECT	FEDERAL AID PROJECT
2	OHIO		

201.8
227

CLARK COUNTY
CLA-40(15.18-23.88)

Sheet 8 of 9 Change Order #3
Federal Project # F-12(2)
State Project # 570-48

Excavation 440 Cu.Yds.
Embankment 229 Cu.Yds.

Sta. 2+50
Sta. 2+00
Sta. 1+35

Add for Dr. Lt. Sta. 4+21
Add for Dr. Rt. Sta. 3+05
Add for Dr. Lt. Sta. 2+23
Add for Dr. Rt. Sta. 2+21

5+08.25 (Abandon) Dr. Rt.
1189.35

5+00
1189.35

4+89.5 (Abandon) Dr. Rt.
1189.16

4+65.5 Dr. Rt. (Abandon)
1189.00

4+42.5 Walk Rt. (Abandon)
1188.89

End Earthwork & Sta. 4+40

4+21 Dr. Lt.
1188.84

4+00 Dr. Rt. (Abandon)
1188.80

4+00
1188.30

3+85.5 Walk Rt.
1188.27

3+53.5 Walk Lt.
1188.16

3+05 Dr. Rt.
1187.96

3+00
1187.52

2+23 Dr. Lt.
1186.74

2+21 Dr. Rt.
1186.74

2+00
1186.78

1+35
1185.95

X-SECTION APPROACH RT. & LT. STA. 1237+02.7

	End Area	Cut Vol.	Cu. Yds.
Cut	0		
Fill	0		
Cut	0	0	0
Fill	0		
Cut	0	60	60
Fill	11		
Cut	2	20	220
Fill	0		
Cut	5	35	435
Fill	0		
Cut	7	0	650
Fill	0		
Cut	30	185	1850
Fill	0		
Cut	85	215	2150
Fill	0		
Cut	0	0	0
Fill	0		

TOTAL

Total Sheet# 435 220

Total Sheet# 650 0

Excavation 721 Cu.Yds.
Embankment 0 Cu.Yds.

Add for Ditch Sta. 6+57

Add for Alley Lt. 6+95

Exist. Side walk to be replaced back to building.

Add for Drive Right Sta. 6+00

Begin Earth Work Sta. 5+80

8+00
1193.67

7+72 Dr. Rt.
1194.86

End Earth Work Sta. 7+50

7+30 Dr. Rt.
1193.79

7+00
1193.85
7+00
1192.99

6+93
1191.63
6+93
1192.86

6+64
1191.64
6+64
1192.31

6+57 Dr. Rt.
1190.51
6+57
1192.21

6+35 Alley Lt.
1189.83
6+35
191.94

6+18 Dr. Rt.
1189.30
6+18
1191.33

6+00 Walk Rt.
1188.74
6+00
1190.88

Dr. Rt.

5+50
1186.19

5+25
1185.88

5+20
1185.76

5+10
1185.59

FED. AID DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		

201-C
227

CLARK COUNTY
CLA-40 (17.18-23.88)

Sheet 9 of 9 Change Order # 3
Federal Project # F-16(2)
State Project # 570-48

X-SECTION APPROACH RT. & LT. STA. 1237+02.7

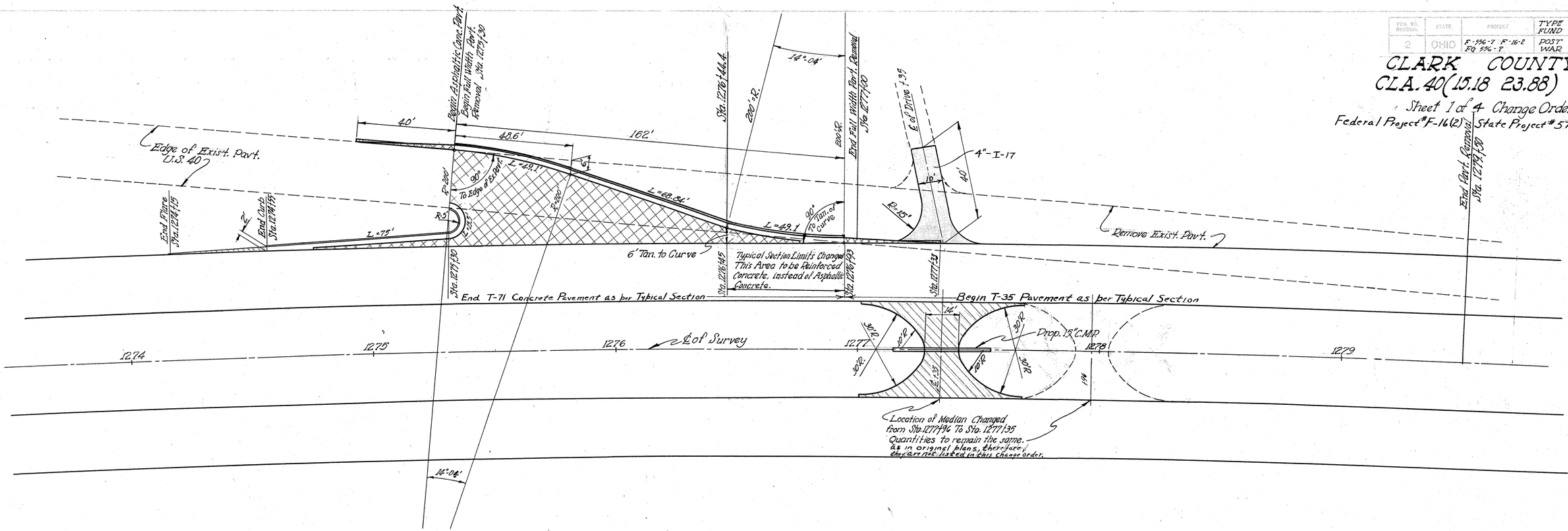
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 F-16-2 FQ 556-7	POST WAR

201-0
227

CLARK COUNTY
CLA. 40 (15.18 23.88)

Sheet 1 of 4 Change Order # 2

Federal Project # F-16(2) State Project # 570-48



REVISED ESTIMATED QUANITIES

ITEM T-71	8" Reinforced Conc. Pavement	133 Sq. Yds.
ITEMS T-35	1½ Asphaltic Conc. Surface course Type "A"	
B-35	1½" Asphaltic Conc. Leveling Course	346 Sq. Yds.
ITEMS I-19 & B-35	1¼" Insulating course, & 2-3" Asphaltic conc. Base courses.	348 Sq. Yds.
ITEM E-8	Sealing	526 Lin. Ft.
ITEM I-12	Conc. Curb & Gutter Type 2	258 Lin. Ft.
ITEM I-17	Side Approach, Mail Box Turnout & Berm Material	55 Sq. Yds.
ITEM E-8	Removal of Exist. Pavement	887 Sq. Yds.

See Sheets 2 and 4 for Change in Earthwork Quanities

Scale 1" = 20'

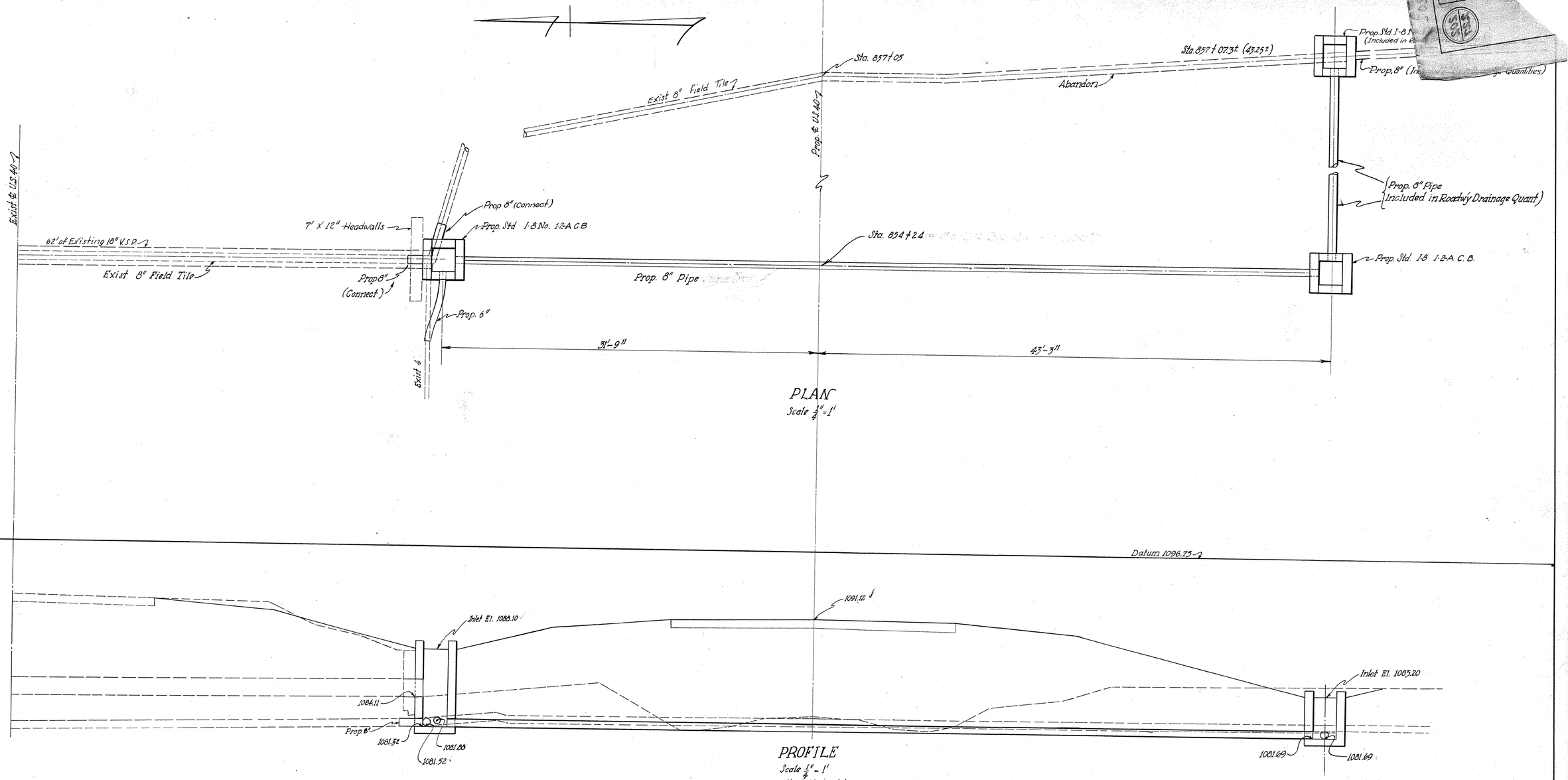
- T-71 8" Reinforced Conc. Pavement
- I-17 Side Approach, Mail Box Turnout & Berm Material
- B-35 & I-19, 2-3" Asphaltic conc. Base courses and 1¼" insulation course.
- T-35, B-35 & I-19, 1½" Asphaltic conc. surface course, 1½" Asphaltic Conc. Leveling course 2-3" Asphaltic Conc Base courses & 1¼" Insulation course.

APPROACH L.T. STA. 1276+15 TO STA. 1279+50

STRUCTURE STA. 854+24
CL ~ 40 ~ 16.1

FED. RD. DIVISION	STATE
2	OHIO

CLARK
CLA.40



PLAN
Scale 1/4" = 1'

PROFILE
Scale 1/4" = 1'
Vertical & Horizontal

CULVERT DATA

Type: Pipe Culvert (Standard Drawings S-27 P.C.3 1-8 Std C.B. No. 1-2 A & B
Size: 8" X 73'
Work Required: Construct Std. 8" X 73' Pipe Culvert with Std 1-8 No. 1-2A Catch Basin on Right and Left as shown. Connect Exist. 4" Tile on Left to Catch Basin using 6 Lin Ft of 6" Pipe for Rdwy Drainage. Also Connect Exist. 8" Tiles using 4 Lin Ft of 8" Pipe for Rdwy Drainage and Exist. 18" V.S.P. by side opening in Catch Basin as drawn. Connect Prop. 8" Pipe on Right (included in Rdwy Quantities) to Prop. Catch Basin.

ESTIMATED QUANTITIES

Item 1-3	6" Pipe for Roadway Drainage	6 Lin. Ft.
Item 1-3	8" Pipe for Roadway Drainage	4 Lin. Ft.
Item 1-8	Standard 1-2 A Catch Basin	2 Each
Item S-27	8" Pipe for Roadway Culvert	73 Lin. Ft.
Item E-2	Excavation for Structure	19 Cu. Yds.

1

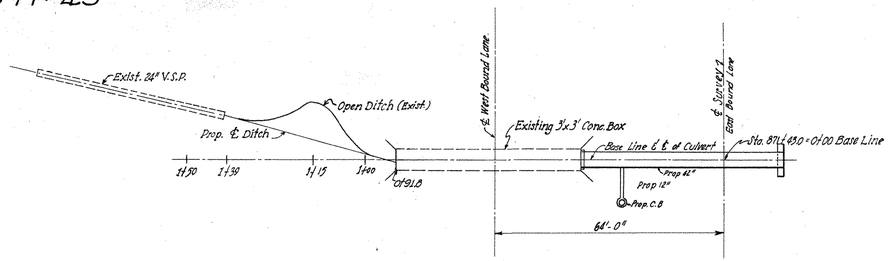
STRUCTURE STA. 854+24

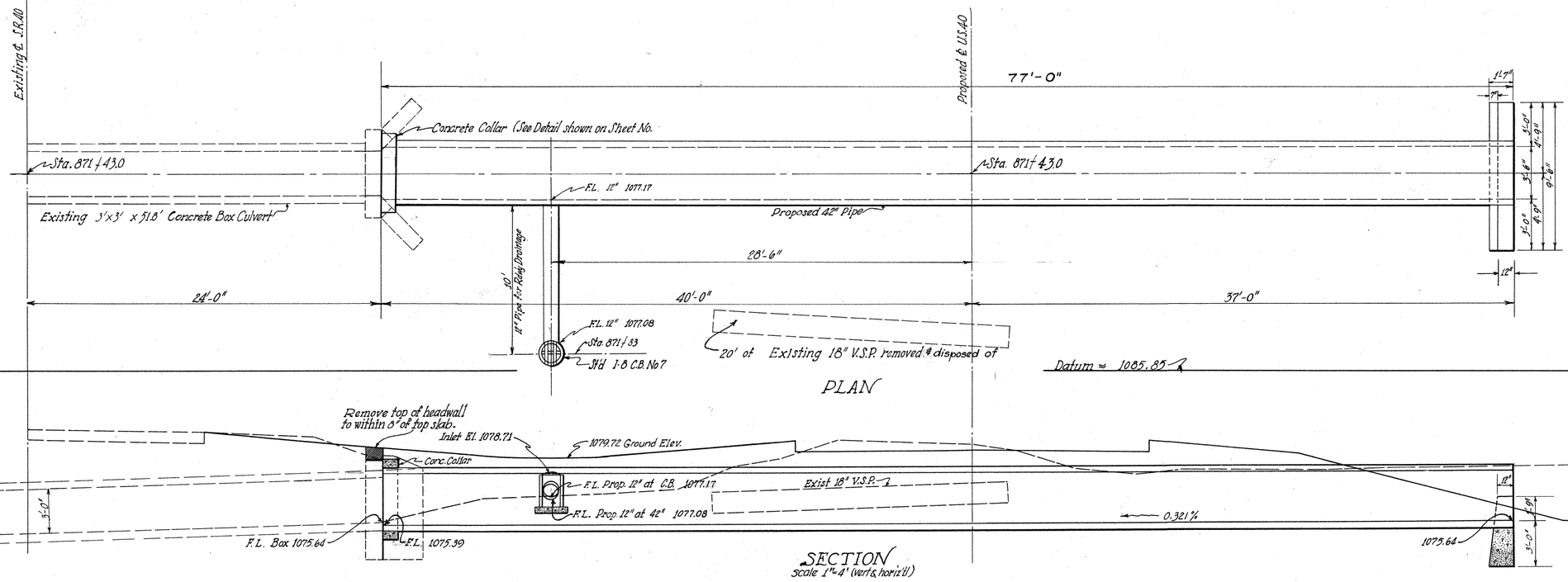
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 F-336-7 F-16-2	POST WAR

203 227

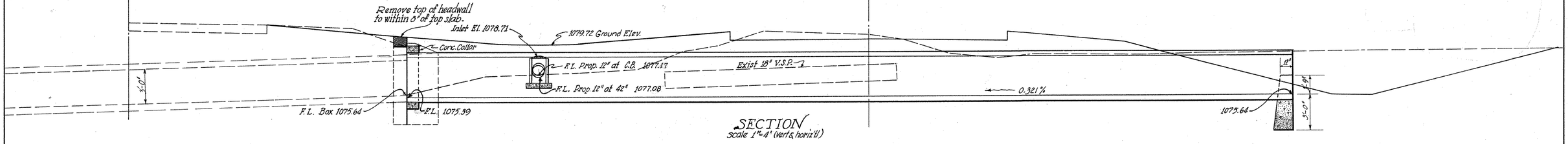
CLARK COUNTY
CLA. 40 (15.18-23.88)

STRUCTURE NO. CL-40-165
STA. 871+43





PLAN



SECTION
Scale 1"=4' (vert & horiz'l)

CULVERT DATA

Type: Pipe (Std. Dwgs. S-27 P.C.3, I-8 C.B. No. 7)
Size: 42" x 75'-0"
Work Required: Remove portion of headwall & wings on Rt. end of existing concrete box.

Extend existing 3'x3' concrete box culvert with 42" pipe culvert connected to box with concrete collar as shown, construct plain concrete headwall on Rt. Construct Std. I-8 C.B. No 7 and connect to 42" pipe with 12" pipe for Roadway Drainage & Pipe Special 12"x42" Tee.

Remove & dispose of 20' of existing 18" V.S.P. excavate new outlet channel on Lt. as shown.

ESTIMATED QUANTITIES

Item E-2 Excavation for Structures	73	Cu.Yds.
Item E-3 Channel Excavation	14	Cu.Yds.
Item E-12 Pipe removed & disposed of (18" V.S.P.)	20	Lin.Ft.
Item S-1, Concrete for Structures (Hdwl) (Class 'E')	1.9	Cu.Yds.
Item S-1, Concrete for Structures (Conc. Collar) (Class 'C')	0.5	Cu.Yds.
Item S-22 Removal of Portions of Existing Structures		Lump
Item Special Expansion Anchor Bolts.	4	Each
Item S-27 42" Pipe for Roadway Culverts	75	Lin.Ft.
Item I-3 12" Pipe for Roadway Drainage	9	Lin.Ft.
Item I-5 Pipe Special 12"x 42" Tee	1	Each
Item I-8 Standard Catch Basin No 7	1	Each
Item S-4 Reinforcing Steel (For Collar)	6	Lbs.

2

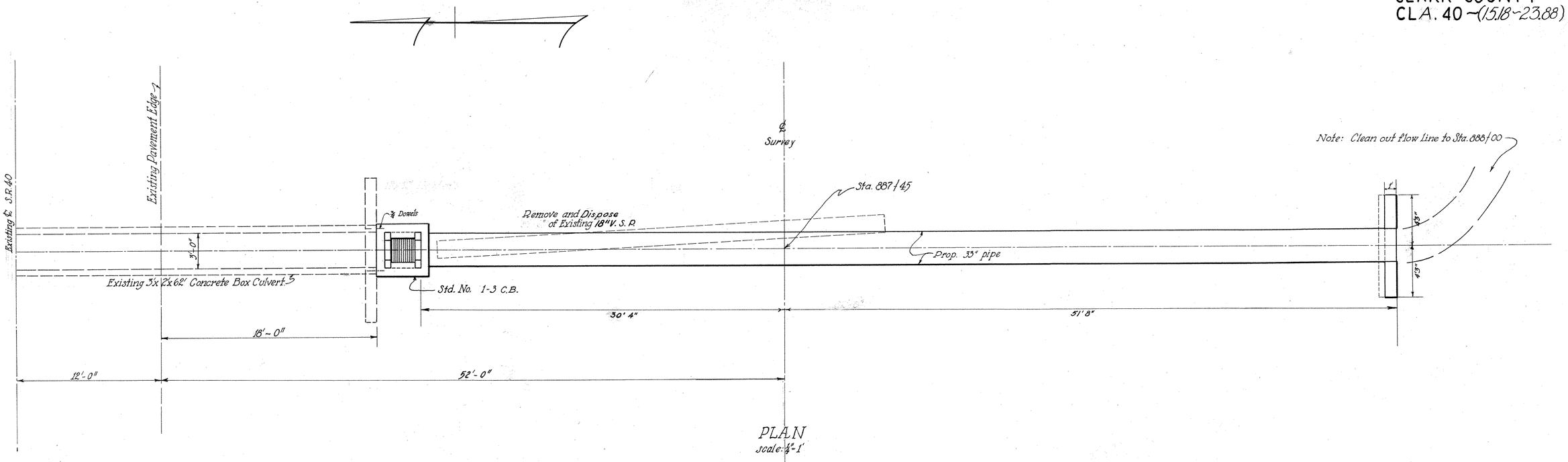
STRUCTURE STA. 871+43

STRUCTURE STA. 887+45
CL-40-168

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-386-7 F-18-2	POST WAR

20A 227

CLARK COUNTY
CLA. 40-(15.18-23.88)



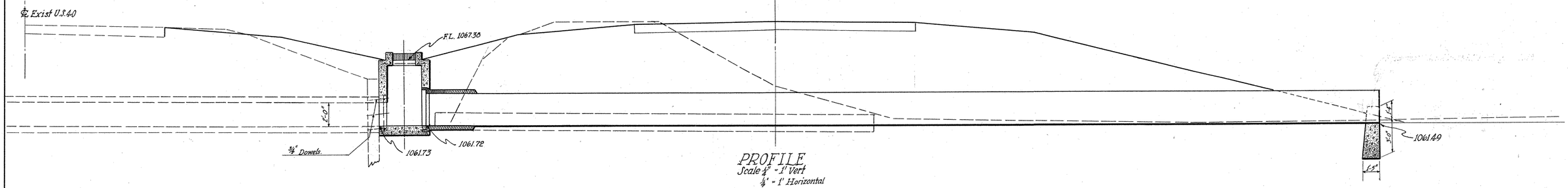
PLAN
Scale: ½"=1'

CULVERT DATA

TYPE: Pipe. Std. Dwgs. S-27 P.C. 3, 1 3C.B. 1-3 & 1-4
SIZE: 33" Dia. x 82'
WORK REQD: Build pipe Culvert with Std I-3 C.B. connected to existing box Culvert on Lt. and concrete end wall on Rt. Do necessary excavating and clean out flow to Sta. 888+00 on Rt.

ESTIMATED QUANTITIES

ITEM	I-2	Excavation for Structure	58 Cu Yds.
ITEM	E-12	Pipe removed & Disposed of 18" V.S.P.	38 Lin. Ft.
ITEM	I-8	Std. No. 1-3 C.B.	1 Each.
ITEM	S-1	Concrete (Class E) for end wall.	1.5 Cu. Yds.
ITEM	S-4	Reinforcing steel (extra) for C.B.	28 Lbs.
ITEM	S-23	Dowel holes 1¼" x 12"	6 Each.
ITEM	S-27	Pipe for Roadway Culvert 33"	82 Lin. Ft.



PROFILE
Scale ½" = 1' Vert
½' = 1' Horizontal

Note: Connect No. 1-3 C.B. to existing 3'x 2' Box Culvert using ¾" dowels, Reinforce opening to C.B. with 2 vertical and 2 horizontal ½" ϕ bars.

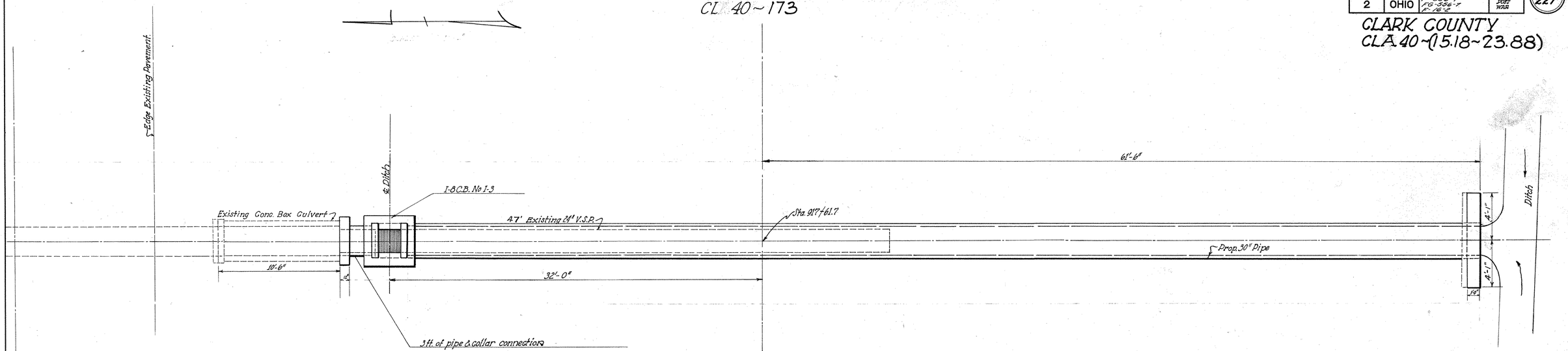
3

STRUCTURE STA. 917+61.7
CL. 40~173

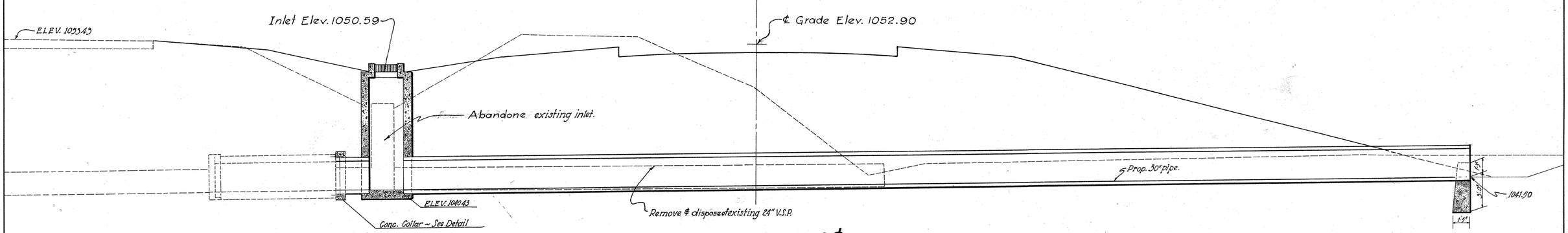
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG 336-7 F-16-5	POST WAR

205/227

CLARK COUNTY
CLA.40~(15.18~23.88)



PLAN



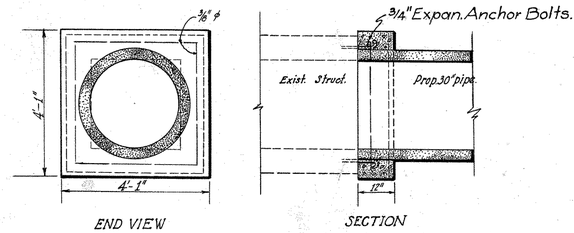
SECTION ON ℄
Scale 1"-4' VERT. & HORIZONTAL

CULVERT DATA

TYPE: Pipe Std. Drawings S-27 PC3, I-8 CB. I3 & I4.
SIZE:- 30"~95'-0"
WORK REQD:- Build pipe culvert with concrete headwall on Rt. and and Std. No. I-3 C.B. on Lt. Connect to existing box culvert as shown. Remove and dispose of existing inlet, Remove and store 47 ft. of existing 24" V.S.P.

ESTIMATED QUANTITIES

Item	E-2	Excavation for structures	95	Cu. Yds.
Item	E.12	Pipe Removed & disposed of 24" V.S.P.	47	Lin. Ft
Item	I-8	Std No. I-3 Catch Basin	1	Each
Item	S-1	Concrete, Class "E" for Headwall	1.4	Cu. Yds.
Item	S-1	Concrete Class "C" for Collar.	0.4	Cu. Yds.
Item	S-4	Reinforcing Steel for collar	6	Lbs.
Item	S-27	Pipe for Roadway Culverts 30"	95	Lin. Ft
Item	Special	-3/4" Expansion Anchor Bolts	4	Each
Item	I-16	Inlet to be abandoned.	1	Each



END VIEW SECTION

Detail of Concrete collar connecting Prop 30" pipe to exist. structure.
Scale 1/2"=1

4

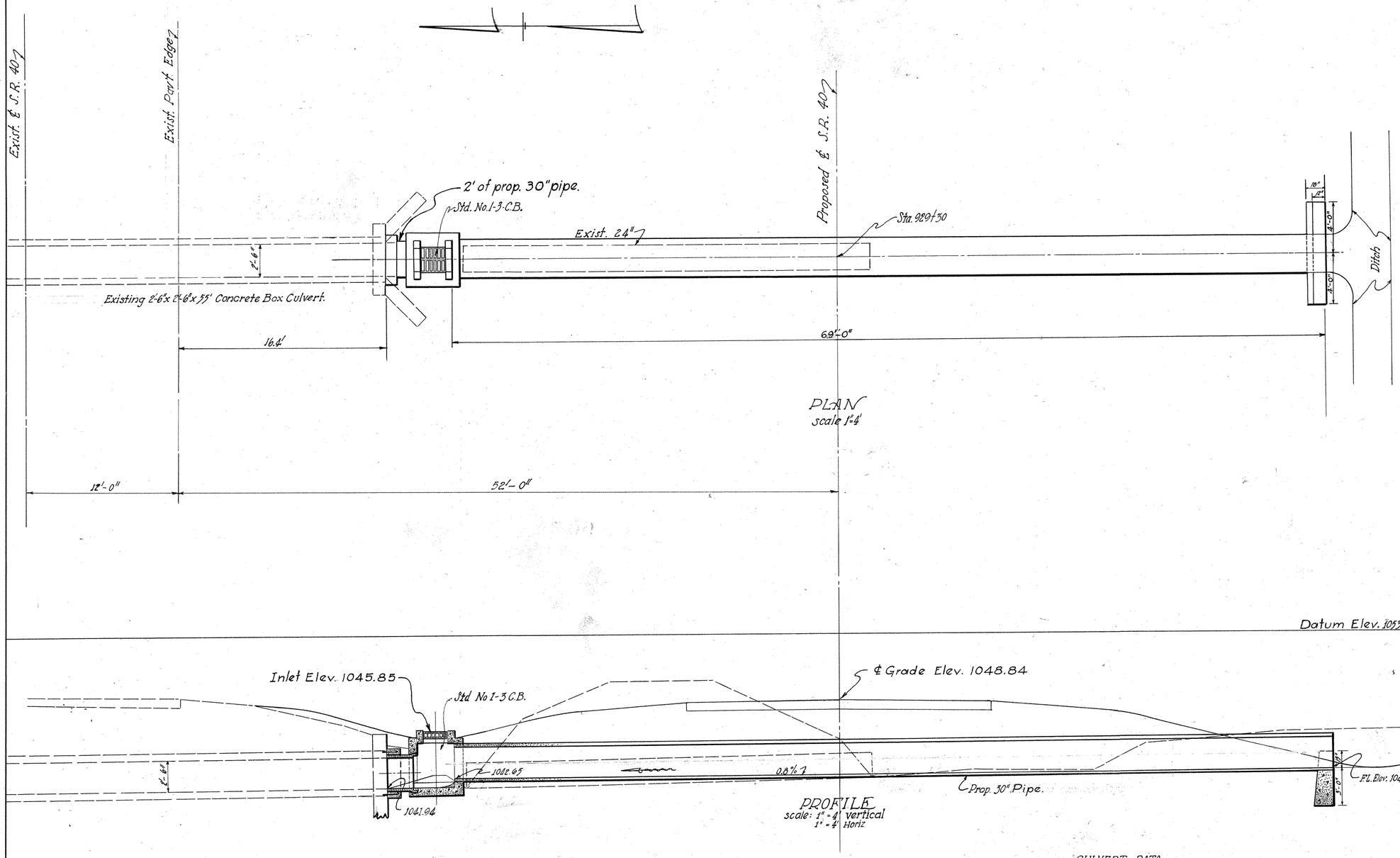
STRUCTURE STA. 917+61.7

STRUCTURE STA. 929+30
CL. ~40~176

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	FG-336-7 FG-336-7 F-16-2	POST WAR

206
227

CLARK COUNTY
CLA.40-(15.18-23.88)



ESTIMATED QUANTITIES

Item E-2	Excavation for Structures	36 Cu. Yds.
Item E-12	24" Pipe Removed & Disposed of	27 Lin. Ft.
Item S-27	30" Pipe for Roadway Culverts	71 Lin. Ft.
Item S-1	Class "C" Concrete (Collar)	0.2 Cu. Yds.
Item I-8	Std. I-3 Catch Basins	1 Each
Item S-4	Reinforcing Steel ⅜" ϕ	5 Lbs.
Item S-22	Removal of Portion of Existing Structure	Lump.
Item Special	¾" Expansion Anchor Bolts	4 Each
Item S-1	Class "E" Concrete (Headwall)	1.4. Cu. Yds.

CULVERT DATA

TYPE ~ Pipe ~ 30" x 71' Std. Dwgs. S 27 P.C. 3, I-8 C.B. I-3 & I-4
SIZE ~ 30" x 71'-0"
WORK REQUIRED ~ Extend present Culvert 74' Rt. with Std I-3 Catch Basin and 30" Pipe. Remove Existing 24" Pipe & Disposed of. Build end wall at Rt. Concrete Collar on Lt end (as per plan)

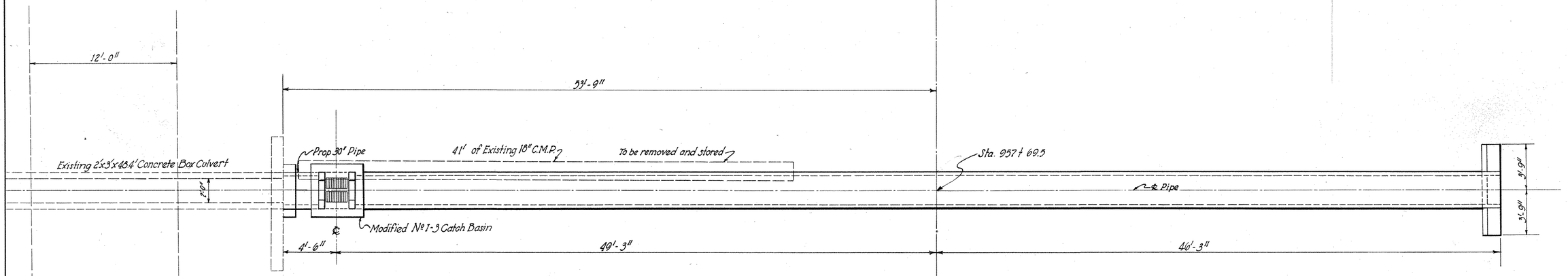
5

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-056-7 F-16-5	POST WAR

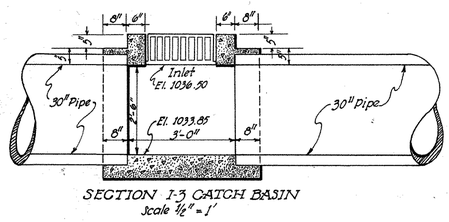
207
227

CLARK COUNTY
CLA. 40 (15.18-23.88)

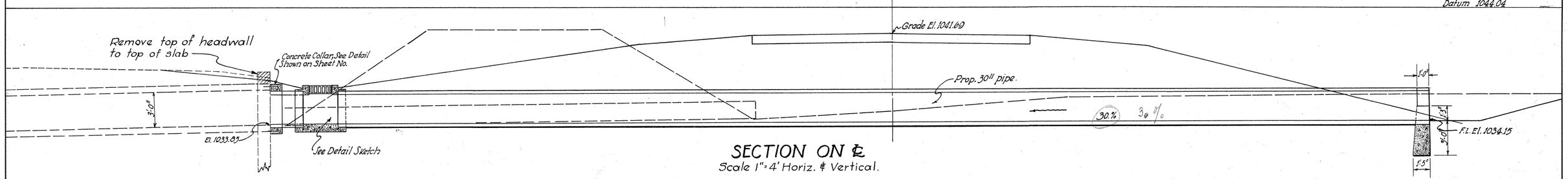
STRUCTURE STA. 957+69.5
CL-40-181



PLAN



SECTION I-3 CATCH BASIN
Scale ½" = 1'



SECTION ON ℄
Scale 1"=4' Horiz. & Vertical.

CULVERT DATA

TYPE: Pipe Std. Dwgs. S-27 P.C. 3; I-8 C.B. I-3 & I-4.
SIZE: 30" x 97'0"
WORK REQUIRED: Construct Modified No I-3. Catch Basin
Lay 3'-0" of 30" Culvert Pipe from headwall to Catch Basin
Lay 94' of 30" Culvert Pipe from Catch Basin. Place Headwall
at right end. Place Concrete Collar around 30" Culvert pipe
at existing headwall.

ESTIMATED QUANTITIES

	Item:	E-2 Excavation for Structures	60 Cu.Yds.
	Item:	E-12 Pipe removed & stored (18" C.M.P.)	41 Lin.Ft.
	Item:	S-1 Concrete Structure (Hdwall) Class "E"	1.3 Cu.Yds
	Item:	S-1 Concrete Structure (Collar) Class "C"	0.2 Cu.Yds.
	Item:	Special Expansion Anchor Bolts.	4 each
	Item:	S 27 30" Pipe for Roadway Culverts	97 Lin.Ft.
	Item:	S-4 Reinforcing Steel for Collar	5 Lbs.
*	Item:	I-8 Modified Catch Basin No. I-3	1 each
	Item:	S-22 Removal of portions of existing structure	Lump.

* Included for payment with Std. No. I-3 Catch Basins.

6

STRUCTURE STA. 957+69.5

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR

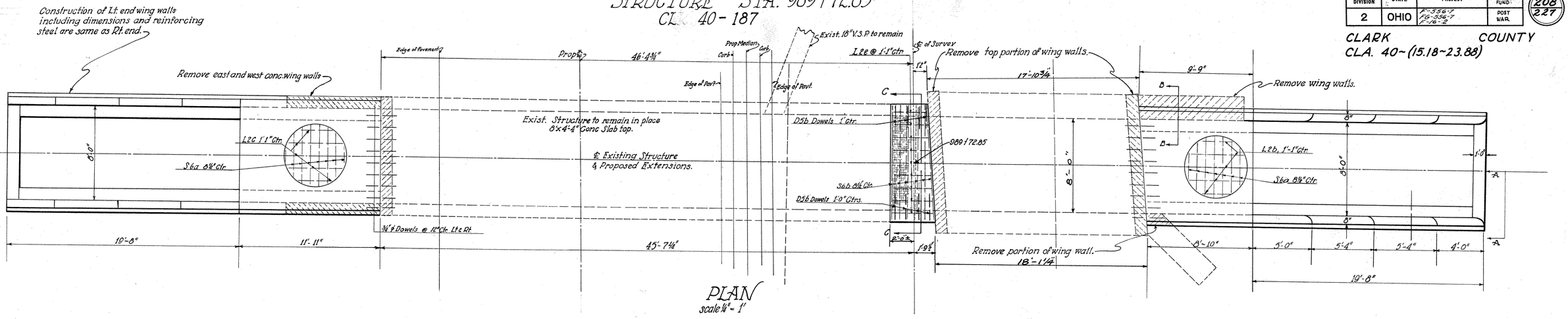
208/227

CLARK COUNTY

CLA. 40-(15.18-23.88)

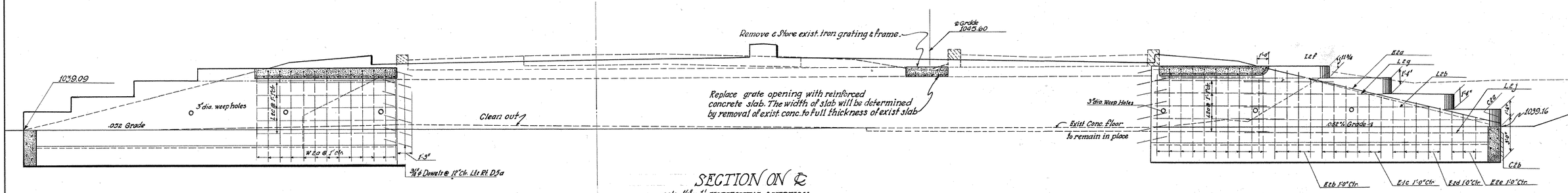
STRUCTURE STA. 989+72.85

CL. 40-187



PLAN

scale ¼" = 1'



SECTION ON ℄

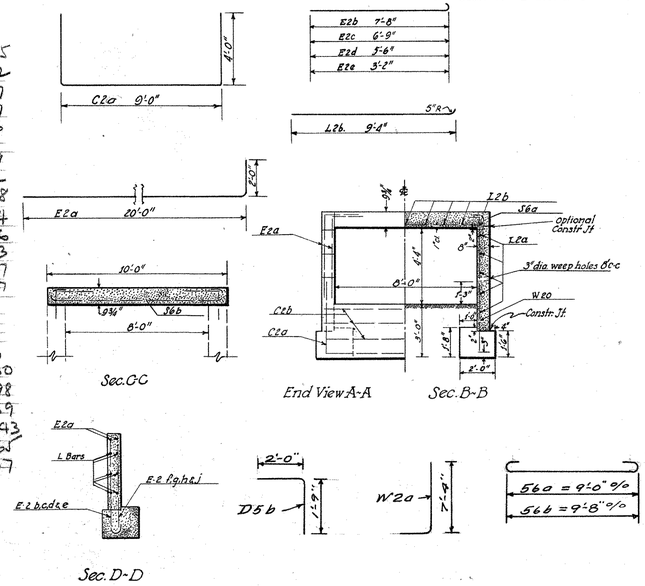
scale ¼" = 1' HORIZONTAL & VERTICAL

STEEL LIST

Mark	Size	Shape	No.	Length	Spacing	Weight	
C2a	½"	Bent	4	13'-0"	Shown	45	45
C2b	½"	Straight	12	9'-0"	10"	72	72
E2a	½"	Bent	8	21'-10"	Shown	117	117
E2b	½"	Bent	16	8'-2"	12"	87	87
E2c	½"	Bent	24	7'-3"	12"	116	116
E2d	½"	Bent	20	6'-0"	12"	80	80
E2e	½"	Bent	12	3'-8"	12"	29	29
E2f	½"	Straight	16	7'-8"	12"	82	82
E2g	½"	Straight	24	6'-9"	12"	108	108
E2h	½"	Straight	20	5'-6"	12"	74	74
E2j	½"	Straight	12	3'-2"	12"	26	26
L2a	½"	Straight	10	9'-5"	13"	63	63
L2b	½"	Bent	9	9'-6"	13"	57	57
L2c	½"	Straight	19	11'-7"	13"	147	147
L2e	½"	Straight	9	3'-6"	13"	21	21
L2f	½"	Straight	8	7'-9"		41	41
L2g	½"	Straight	8	11'-9"		63	63
L2h	½"	Straight	6	16'-9"		90	90
L2j	½"	Straight	16	21'-6"		230	230
S6a	⅞"	Bent	32	10'-8"	8½"	698	698
S6b	⅞"	Bent	6	11'-4"	8½"	139	139
W2a	½"	Bent	46	7'-11"	12"	243	293
D5a	¾"	Dowels	44	2'-6"	12"	165	165
D5b	¾"	Bent	8	3'-11"	12"	47	97

REPLACEMENT BARS

MARK	SIZE	SHAPE	NO.	LENGTH	SPACING	WEIGHT
RE2	½" ϕ	Str.	1	5'-8"		4
RE6	⅞" ϕ	Str.	1	10'-8"		22
RE5	¾" ϕ	Str	2	2'-6"		6
				Total		2874



CULVERT DATA

TYPE: Slab top-Std. Drawing S.T.C.-47
SIZE: 8'x4'-4"x3'-7" on Lt. 8'x4'-4"x2'-11½" on Rt.
WORK REQUIRED: Extend existing 8'x4'-4" Slab top culvert with reinforced conc. slab top culvert extension on Lt. & Rt. Remove portions of existing structure as indicated. Also replace iron grates in existing culvert slab with a conc. slab as shown. Remove and store existing iron grate and frame from existing structure, cost included in Removal of Portions of Existing Structures. Cleanout flowline of Existing structure as shown.

ESTIMATED QUANTITIES

Item: E-2 Excavation for Structures.	108	Cu Yds.
Item: S-1 Concrete Class "E"	37.5	Cu Yds.
Item: S-4 Reinforcing Steel	2874	Lbs.
Item: S-22 Removal of portions of Existing Structures.	Lump	Sum
Item: S-23 1¼"x15" Dowel Holes	44	Each
Item: S-23 1¼"x12" Dowel Holes	8	Each

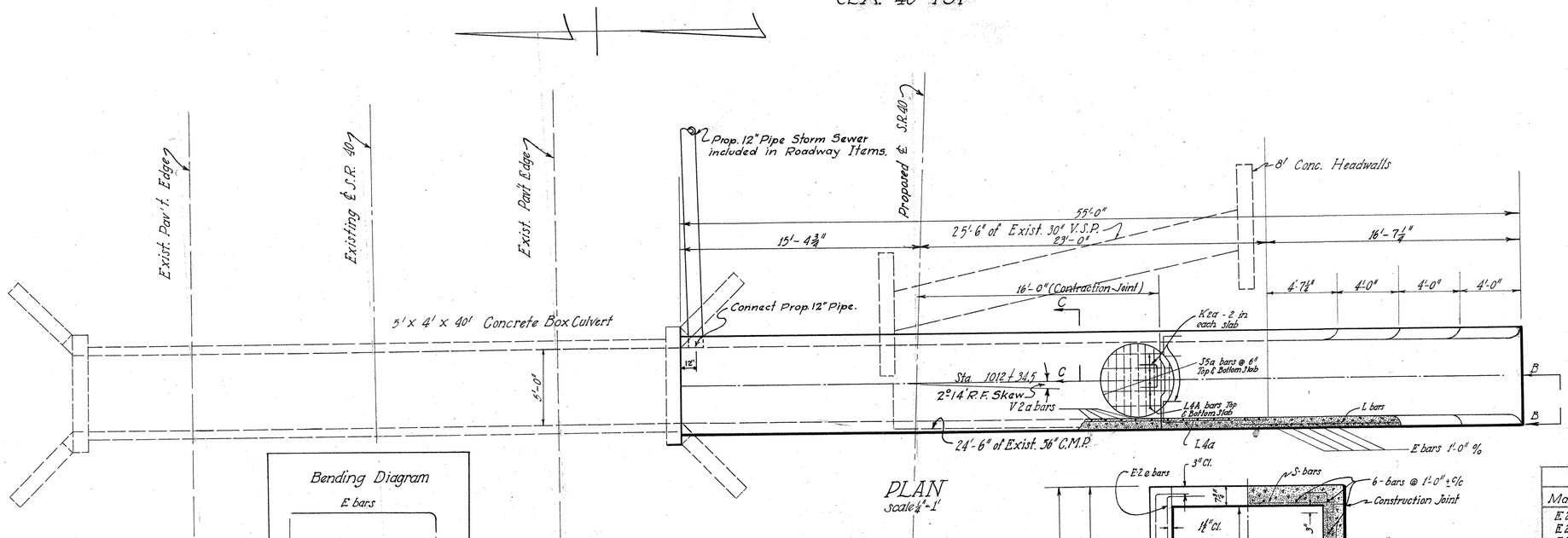
7

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-1 FG-556-1 F-16-2	POST WAR

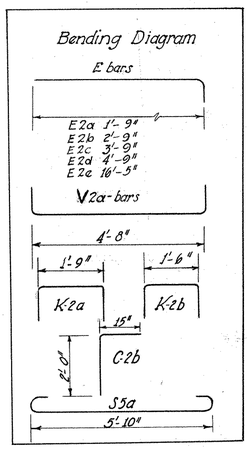
209
227

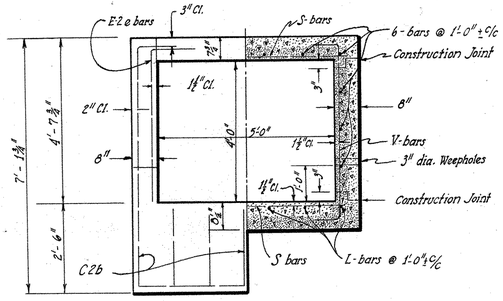
CLARK COUNTY
CLA ~ 40 (15.28-23.88)

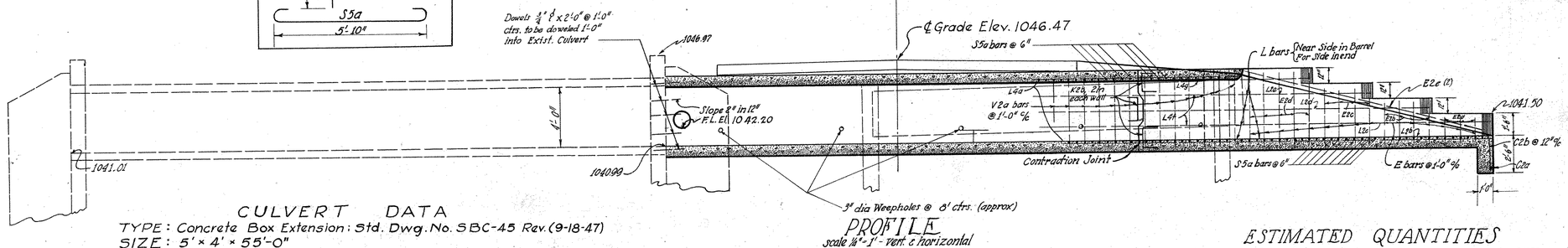
STRUCTURE STA. 1012+34.5
CLA.~40~191



PLAN
scale ¼"-1'







PROFILE
scale ¼"-1' - vert. & horizontal

CULVERT DATA

TYPE: Concrete Box Extension: Std. Dwg. No. SBC-45 Rev. (9-18-47)
SIZE: 5' × 4' × 55'-0"
WORK REQ'D: Remove and dispose of 25'-6" of existing 30" V.S.P.; remove and store 24'-6" of existing 36" C.M.P. Remove portion of wings on Rt. of existing box culvert. Extend existing 5'×4' concrete box culvert with Std. 5'×4' concrete box culvert on Rt. Connect 12" pipe for storm sewer as shown.
* Excavate channel approximately 700 Lin. Ft. from outlet of structure at the direction of the Engineer. 150 Cu. Yds. of channel excavation estimated.

STEEL LIST

Mark	Size	Shape	No.	Length	Spacing	Weight
E2a	⅜" ϕ	Bent	6	2'-4"	12"	9
E2b	⅜" ϕ	Bent	8	3'-4"	12"	13
E2c	⅜" ϕ	Bent	8	4'-4"	12"	23
E2d	⅜" ϕ	Bent	10	5'-4"	12"	36
E2e	⅜" ϕ	Bent	4	17'-0"	as shown	45
V2a	½" ϕ	Bent	78	5'-10"	12"	303
L2a	½" ϕ	Straight	18	31'-0"	12" (approx.)	373
L2b	½" ϕ	Straight	6	23'-0"	12" (approx.)	92
L2c	½" ϕ	Straight	2	22'-6"	12" (approx.)	30
L2d	½" ϕ	Straight	2	18'-8"	12" (approx.)	25
L2e	½" ϕ	Straight	2	14'-8"	12" (approx.)	20
L2f	½" ϕ	Straight	2	10'-8"	12" (approx.)	14
L2g	½" ϕ	Straight	4	6'-3"	12" (approx.)	17
K2a	⅝" ϕ	Bent	12	2'-11"	as shown	23
K2b	⅝" ϕ	Bent	12	2'-8"	as shown	21
C2a	⅝" ϕ	Straight	1	6'-0"	as shown	4
C2b	⅝" ϕ	Bent	7	3'-0"	12" (approx.)	16
S5a	¾" ϕ	Bent	185	6'-10"	6"	1898
Total						2969

ESTIMATED QUANTITIES

	Item E-2 Excavation for Structures	97	Cu.Yds.
*	Item E-3 Channel Excavation	150	Cu. Yds.
	Item S-1 Concrete for Structures Class "C"	25.3	Cu. Yds.
	Item S-4 Reinforcing Steel	2969	Lbs.
	Item S-22 Removal of Portions of Exist. Structures	Lump	Lump
	Item E-12 30" V.S.P. Remove and Disposed of	25.5	Lin. Ft.
	Item E-12 36" C.M.P. Remove and Store	24.5	Lin. Ft.
	Item S-23 Dowel Holes 1¼" x 12"	18	Each

8

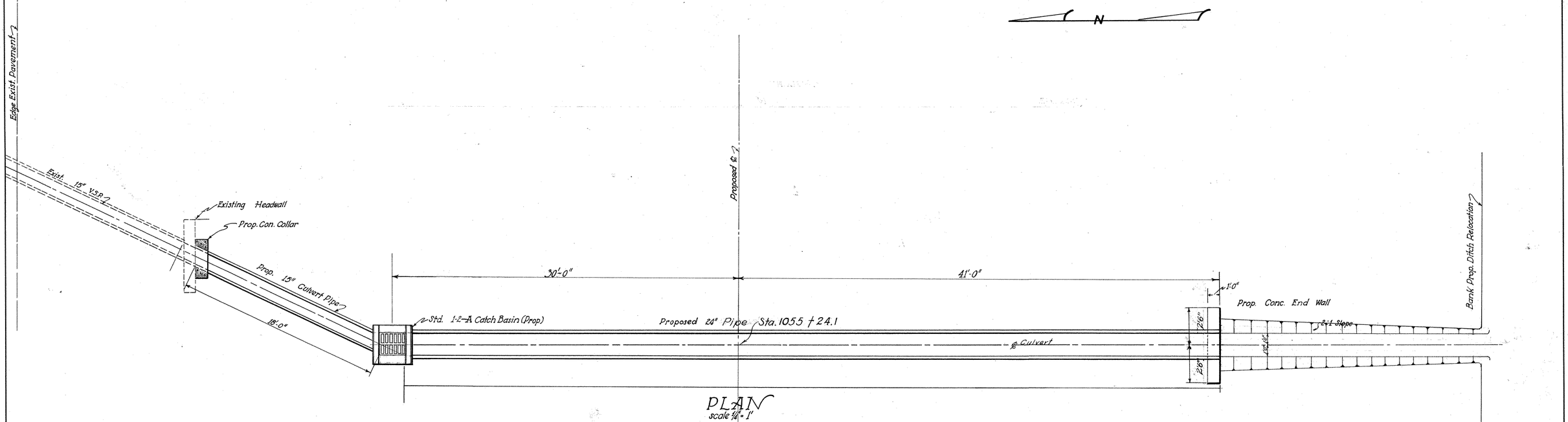
STRUCTURE STA. 1012+34.5

STRUCTURE STA. 1055+24.1
CL ~ 40 ~ 700

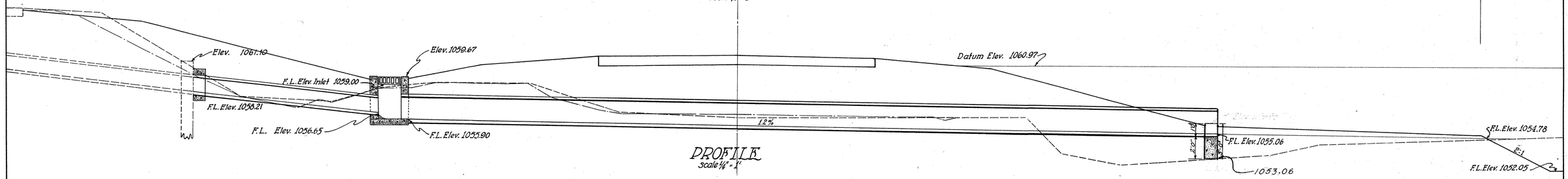
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-356-7 FG-356-7 F-16-2	POST WAR.

210
227

CLARK COUNTY
CLA. 40 (15.18-23.88)



PLAN
scale 1/8" = 1'



PROFILE
Scale 1/8" = 1'

CULVERT DATA

TYPE : PIPE., Std. Dwgs. S-27 P.C. 3; 1-8C.B. 1-2-A & B

SIZE : 24"x 70'-0" & 15" x 18"

WORK REQUIRED: Construct Std. 1-2A Catch Basin. Extend 15" culvert pipe from existing headwall to C.B Lay 24" culvert pipe. Build 7'x4'x1' End Wall on Rt. Conc. Collar on left (per plans)

ESTIMATED QUANTITIES

Item I-8	Std. 1-2-A C.B.	1	Each
Item E-2	Excavation for Structure	15	Cu.Yds.
Item S-1	Concrete (Class "C") Collar	0.2	Cu.Yds.
Item S-1	Concrete (Class "E") headwall	0.5	Cu.Yds.
Item S27	15" Pipe for Roadway Culvert	18	Lin.Ft.
Item S-27	24" Pipe for Roadway Culvert	70	Lin.Ft.
Item S-4	Reinforcing Steel	4	Lbs
Item	Special Expansion Anchor Bolts.	4	Each

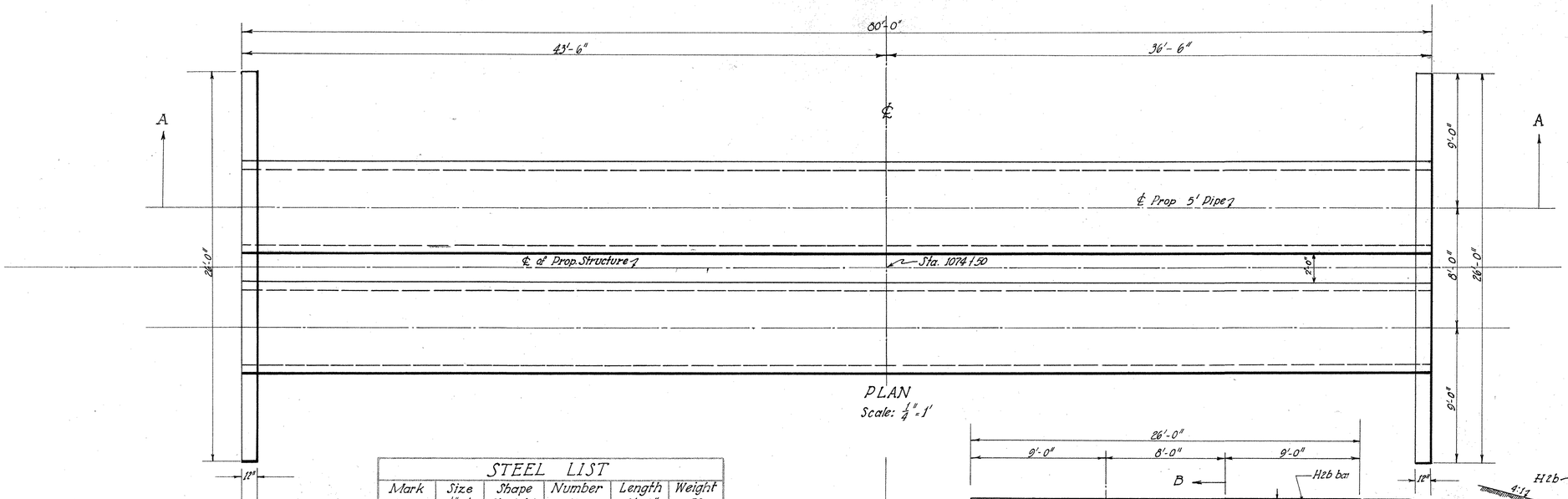
9

FED. RD. DIVISION	STATE	PROJECT	TYPE: FUND
2	OHIO	F-336-7 FG 336-7 F-19-5	POST WAR

211
227

CLARK COUNTY
CLA. 40-(15.18-23.88)

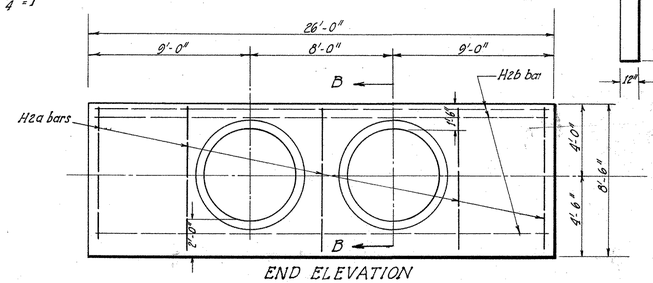
STRUCTURE STA. 1074+50
CL.-40-20.3



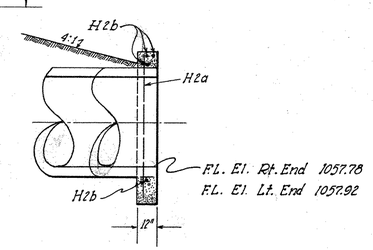
PLAN
Scale: 1/4" = 1'

STEEL LIST

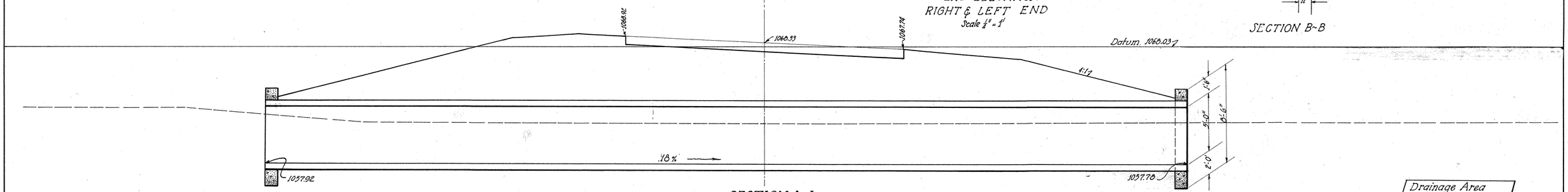
Mark	Size	Shape	Number	Length	Weight
H2a	1/2" ϕ	Straight	10	8'-0"	53
H2b	1/2" ϕ	Straight	8	25'-6"	136
	Total				189



END ELEVATION
RIGHT & LEFT END
Scale 1/4" = 1'



SECTION B-B



SECTION A-A
Scale 1/4" = 1" Vert. & Horizontal

Drainage Area
582.5 Ac.
Waterway Reqd 40'

CULVERT DATA

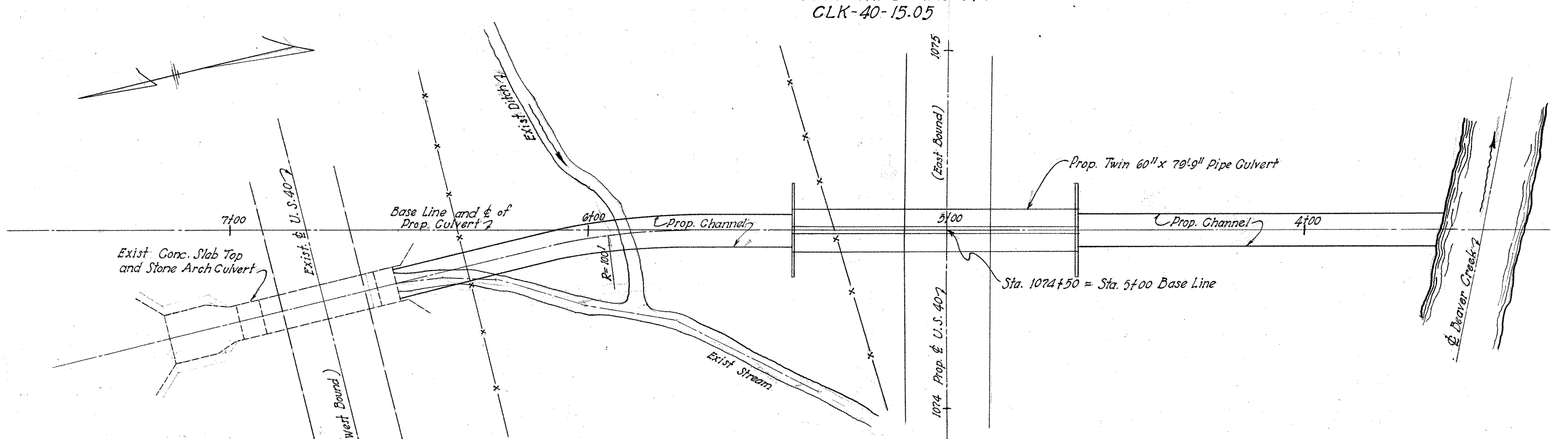
Type: Pipe Culvert (Standard Drawing, S-27, PC 1 & PC 3)
Size: Twin 60" x 80'-0"
Work Required: Construct Standard Twin 60" x 80'-0" Pipe Culvert with Special Reinforced Concrete Headwalls on Right and Left. Excavate for Channel on Right and Left.

ESTIMATED QUANTITIES

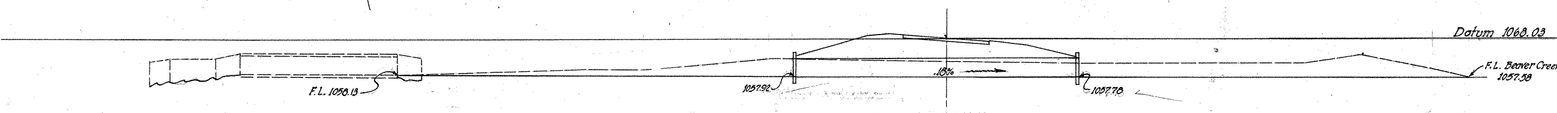
Item E-2 Excavation for Structures	204	Cu. Yds.
Item E-3 Channel Excavation	396	Cu. Yds.
Item S-1 Concrete for Structures (Class "C")	12.2	Cu. Yds.
Item S-4 Reinforcing Steel	189	Lbs.
Item S-27 60" Pipe for Roadway Culvert	160	Lin. Ft.

STRUCTURE STA. 1074+50

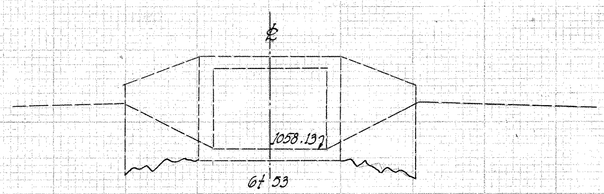
STRUCTURE STA. 1074+50
CLK-40-15.05



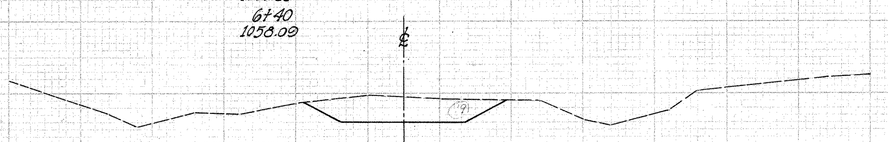
PLAN
Scale: 1" = 20'

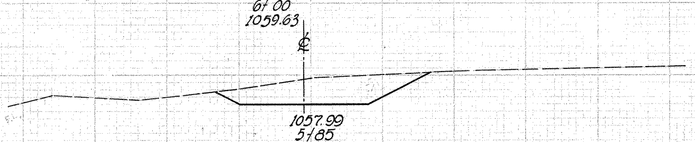


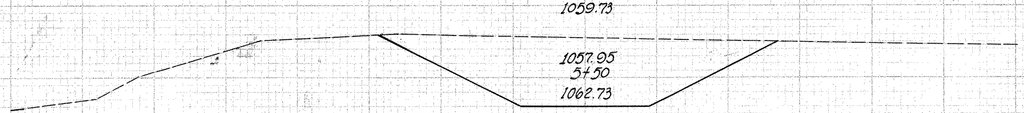
PROFILE
Scale: 1" = 20'

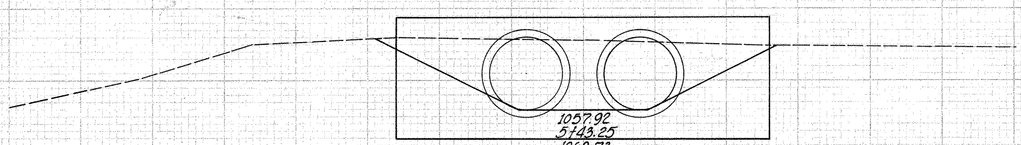


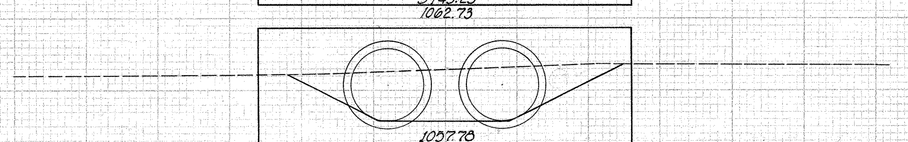
6+53
1058.13
End Channel Excavation Sta. 6+53

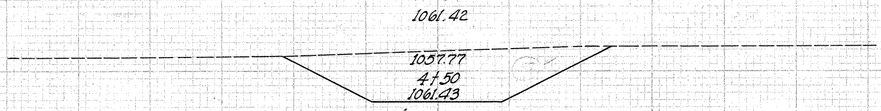


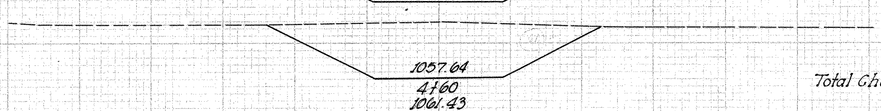


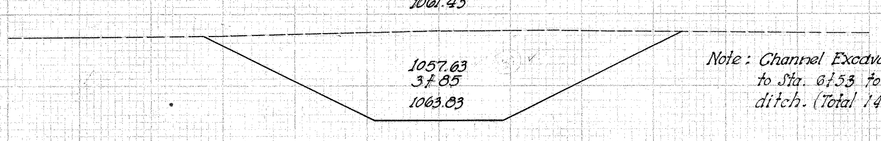


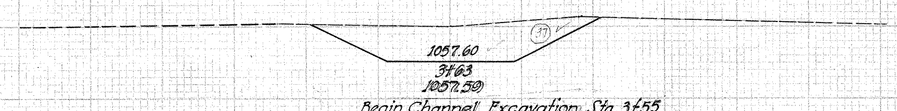












Begin Channel Excavation Sta. 3+55

3+55 ℄ Beaver Creek
1057.58

	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	0	0		
			7	0
	29	0		
			36	0
	19	0		
			11	0
	21	0		
			70	0
	87	0		
			22	0
5+43.25	88	0		
Culvert Limits				
4+63.5	57	0		
			28	0
4+50	57	0		
			110	0
4+00	61	0		
			53	0
3+85	131	0		
			68	0
3+63	37	0	6	0
3+55	0	0		

Total Channel Excavation = 411 C.Y.

Note: Channel Excavation from Sta. 5+43.25 to Sta. 6+53 to be used to fill existing ditch. (Total 146 C.Y.)

CHANNEL SECTIONS STRUCTURE STA. 1074+50

10

CLARK COUNTY
CLA. 40-(15.18-23.88)

DISTRICT	STATE	ROUTE	SECTION
2	OHIO		

TYPE FUND POST WAR

212
227

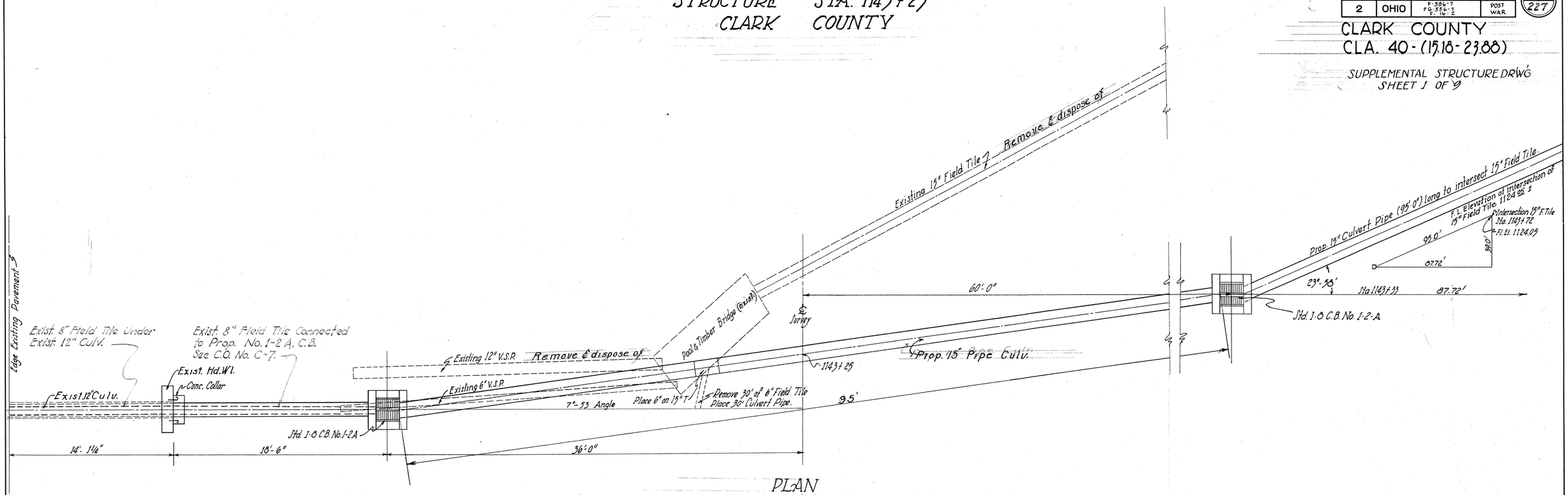
STRUCTURE STA. 1143+25
CLARK COUNTY

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-586-7 FG-556-7 F-16-2	POST WAR

212-A 227

CLARK COUNTY
CLA. 40 - (15.18 - 23.88)

SUPPLEMENTAL STRUCTURE DRWG
SHEET 1 OF 9



CULVERT DATA

TYPE - Pipe Std. Drawings S. 27 P.C. 3 & 1-0 C.B. 1-2A

SIZE - 12" x 18'-0" & 15" x 95'-0"

WORK REQUIRED - Remove and dispose of 27'-0" of existing 12" V.S.P. 29'-0" of existing 6" V.S.P., 6" Field tile and 164'-0" of existing 15" field tile. Remove pond. Place 18'-0" of 12" Culvert pipe, place 192'-0" of 15" Culvert pipe. Place 2-1-0 C.B. 1-2A. Place Concrete collar around 12" culvert pipe at south headwall.

ESTIMATED QUANTITIES

ITEM:	E-2 Excavation for Structures	195 Cu. Yds.
ITEM:	E-12 Pipe removed & disposed of (15" F.T.)	164 Lin. Ft.
ITEM:	S-1 Concrete for Structure (Collar) Class "C"	.1 Cu. Yds.
ITEM:	S-4 Reinforcing Steel (Collar)	5 Lbs.
ITEM:	Special Expansion Anchor bolts.	4 Each.
ITEM:	S. 27 - 12" Pipe for Roadway Culvert	18 Lin. Ft.
ITEM:	S. 27 - 15" Pipe for Roadway Culvert	190 Lin. Ft.
ITEM:	1-0 Standard Catch Basin No. 1-2A	2 Each
ITEM:	E-12 Pipe removed & disposed of 12" V.S.P.	27 Lin. Ft.
ITEM:	" " " " " " 6" V.S.P.	29 Lin. Ft.
ITEM:	" " " " " " 6" F.T.	30 Lin. Ft.
ITEM:	1-5 6" on 15" T	1 Each
ITEM:	1-3 6" Pipe for roadway drainage	30 Lin. Ft.
ITEM:	S. 24 Remove & dispose of Timber Foot Bridge	Lump

1/

STRUCTURE STA 1143+25

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

212-B
227

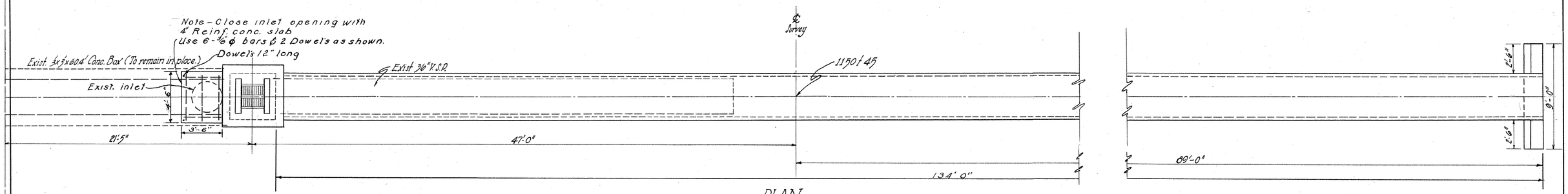
CLARK COUNTY
CLA. 40. (15.18 - 23.88)

SUPPLEMENTAL STRUCTURE DRW'G
SHEET 2 OF 9

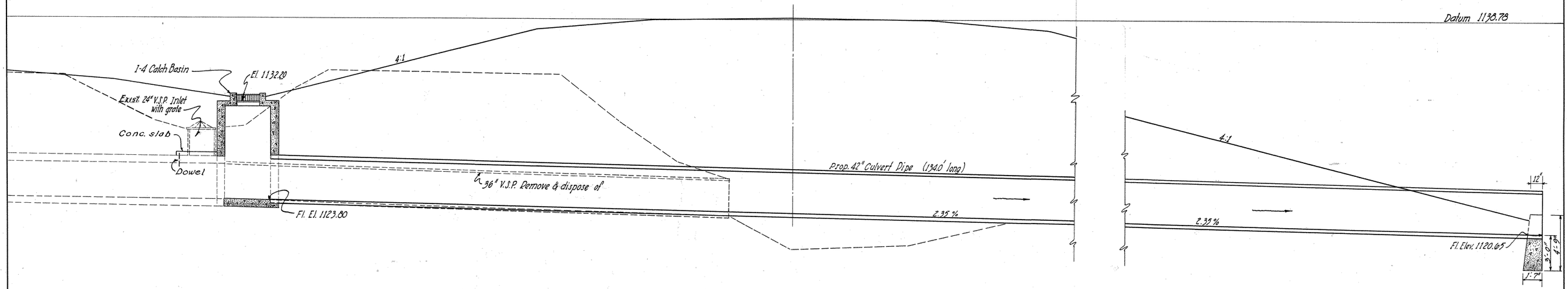
STRUCTURE STA. 1150+45

CLARK COUNTY

Scale 1/4" = 1 Ft.



PLAN



SECTION on ℄

CULVERT DATA

TYPE ÷ Pipe Std. Dwg. S-27 P.C. 3 I-8 C.B. 1-3 & 1-4

SIZE ÷ 42" x 134'-0"

WORK REQUIRED ÷ Remove and dispose of existing 36" V.S.P. remove & dispose of inlet. Place 134'-0" of 42" Culvert pipe. Place end wall on right end of 42" Culvert pipe and No. 1-4 Catch Basin on left end between 42" Culvert pipe and South end of existing 3'x3' Concrete Box Culvert.

ESTIMATED QUANTITIES.

			PLAN ESTIMATED QUANT.	REVISED 12-16-48
Item ÷	E-2	Excavation for Structures	100 Cu.Yds.	
Item ÷	E-12	Pipe removed and disposed of 36" V.S.P.	44 Lin.Ft.	
Item ÷	S-1	Concrete for Structure (End Wall) Class E. & 4" Conc. slab	~~10 Cu.Yds.~~	2.0 Cu Yd's.
Item ÷	S-27	42" Pipe for Roadway Culvert	134 Lin.Ft.	
Item ÷	I-8	Standard Catch Basin No. 1-4	1 Each	
Item ÷	I-16	Abandoned 24" V.S.P. Inlet.	1 Each	
Item	S-4	Reinforcing steel		10 Lb's.
Item	S-23	Dowel holes		4 Each

12

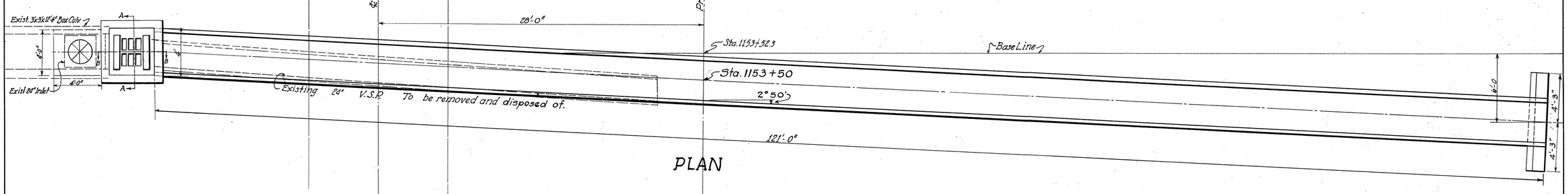
STRUCTURE STA. 1150+45

STRUCTURE STA. 1153+50
CL ~ 40 ~ 218 A

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FA-336-7 F-16-2	POST WAR

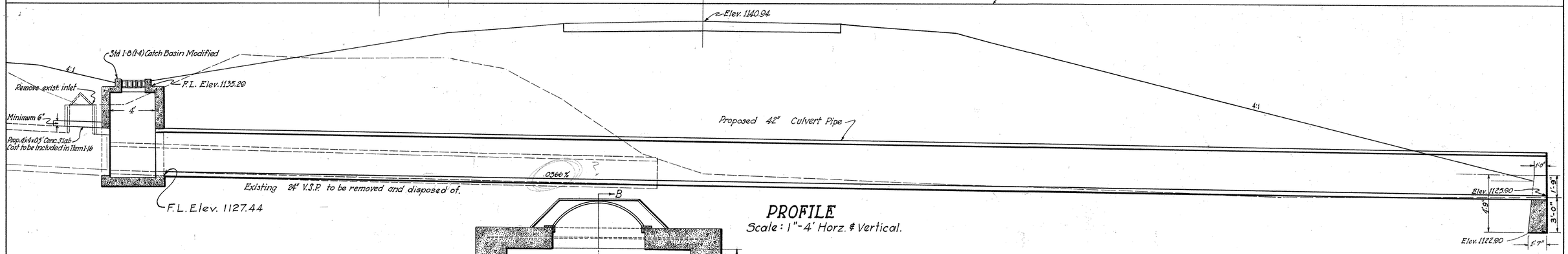
213
227

CLARK COUNTY
CLA-40~(15.18~23.88)

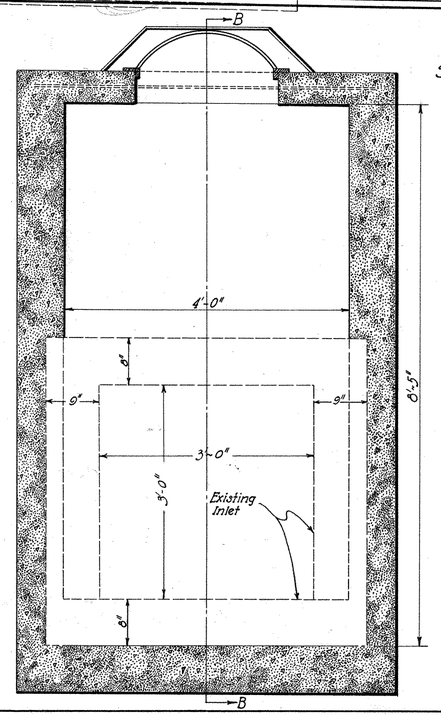


PLAN

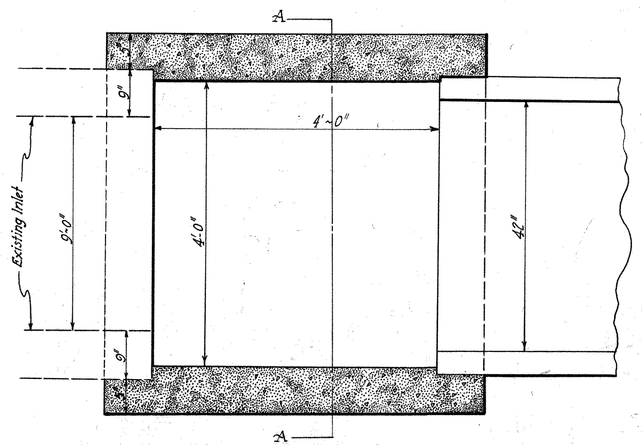
Datum Elev. 1142.42



PROFILE
Scale: 1"-4' Horz. & Vertical.



DETAIL PLAN
Std. I-8. (1-4) C.B. Modified
Scale 1"=1'



CULVERT DATA

TYPE: Standard Dwgs. S-27 P.C.3; I-8 C.B. I-3 & I-4.
SIZE: 42"x124'
WORK REQUIRED: Remove 48' existing 24" V.S.P. Replace with 42" Culvert Pipe. Construct 8'-6"x 1'-0"x 4'-9" Concrete End Wall on South End. Exist. 4" wall in end of 3'x3' Box to be removed. Construct Standard I-8 (1-4) Catch Basin Modified. Remove and dispose of Exist. 24" Inlet. Replace with 4'-0"x 4'-0"x 0'-6" Class "C" Concrete Slab placed on top of Exist. 3'x3' Box Culvert.

ESTIMATED QUANTITIES

Item:	E-2 Excavation for Structures	4 Cu. Yds.
Item:	E-3 Excavation (Channel)	81 Cu. Yds.
Item:	S-1 Concrete (Class "E")	1.6 Cu. Yds.
Item:	S-27 42" Pipe for Roadway Culverts	121 Lin. Ft.
Item:	I-16 Abandoned Inlet	1 Each
* Item:	I-8 Standard I-8 (1-4) Catch Basin Modified	1 Each
Item:	E-12 24" V.S.P. Removed & Disposed of	47 Lin. Ft.

*Included for Payment with Std. No. 1-4 Catch Basins.

13

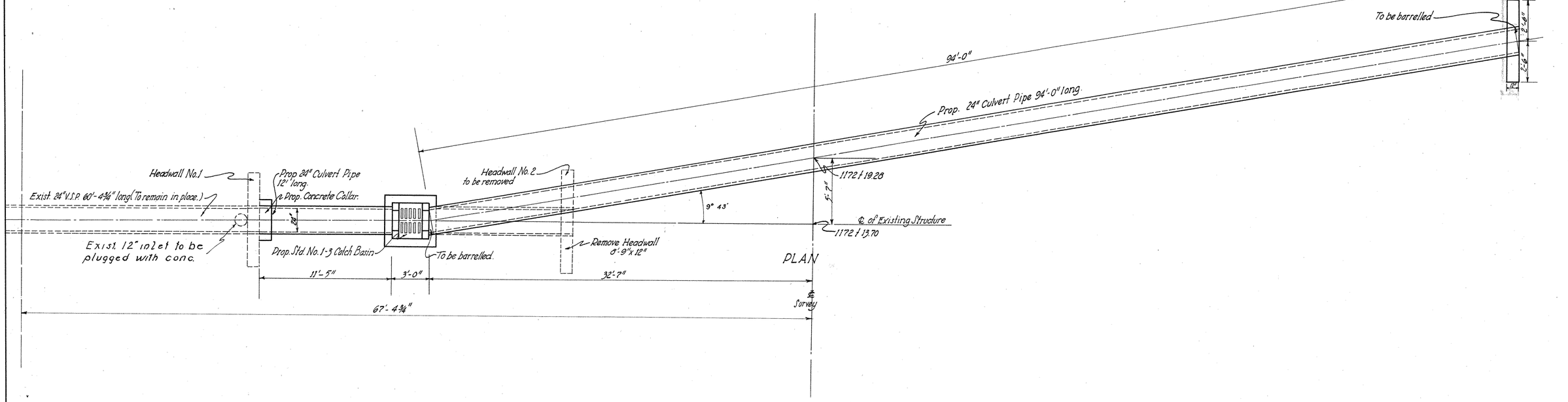
STRUCTURE STA 1153+50

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

213-A
227

CLARK COUNTY
CLA. 40-15.18-23.88
SUPPLEMENTAL STRUCTURE DRWG.
SHEET 3 OF 9

STRUCTURE STA. 1172 + 19.28
CLARK COUNTY
CLK. 40-15.18-12.88
scale 1" = 4'-0"



CULVERT DATA

TYPE: ~ Pipe Std. Drawing S-27-P.C.-3 I-8-C.B. I-3 & I-4

SIZE: ~ 24" x 106'

WORK REQ'D. Remove Headwall No. 2, also remove and dispose of 24" V.S.P. between Headwall No 1 & 2. Construct Std. I-3 Catch Basin. Lay 24" Culvert Pipe from Headwall No. 1 to Catch Basin. Lay 24" Culvert pipe from Catch Basin to new Headwall (5'-0" x 3'-0") on right. Place concrete collar on left.

ESTIMATED QUANTITIES

ITEM:	E-2	Excavation (Structural)	24 Cu. Yds.
ITEM:	S-1	Concrete (Class "C") Collar.	20 Cu. Yds.
ITEM:	S-1	Concrete (Class "E") Headwall	0.5 Cu. Yds.
ITEM:	S-27	24" Culvert Pipe	106 Lin. Ft.
ITEM:	S-4	⅜" ø Reinforcing Collar	5 Lbs. Ft.
ITEM:		Special Expansion Anchor Bolts.	4 Each
ITEM:	E-12	24" V.S.P. (Removed & Disposed of	27' Lin. Ft.
ITEM:	S-22	Removal of Headwall No. 2	Lump.
ITEM:	I-8	Std. I-3 Catch Basin.	1 Each.
ITEM:	I-16	Inlet Abandoned.	1 Each

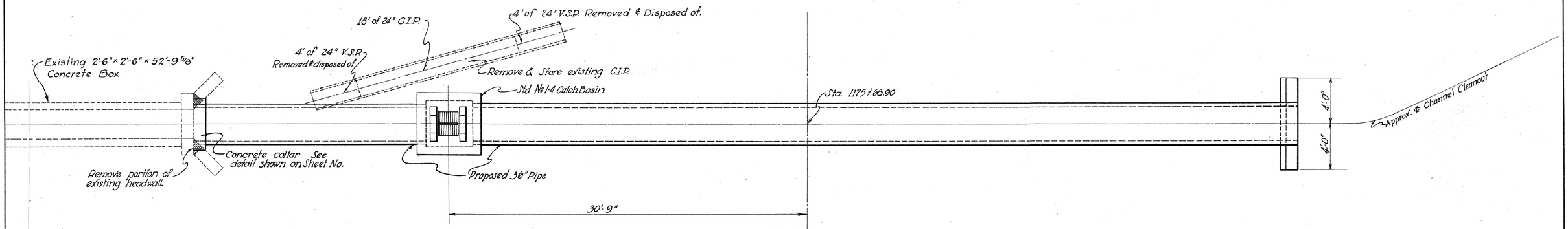
STRUCTURE STA. 1172 + 19.28

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

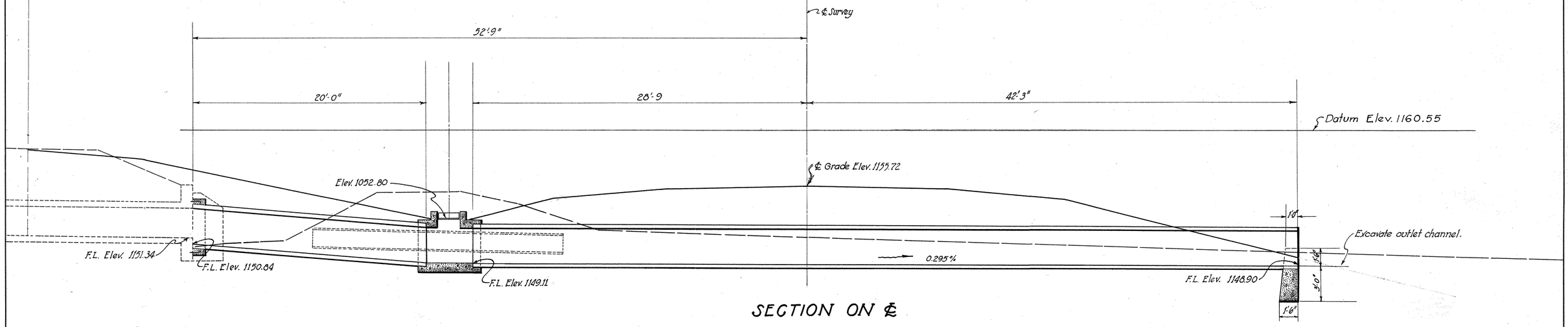
214/227

CLARK COUNTY
CLA.40-(15.18~23.88)

STRUCTURE Nº CL-40-222-A
STA. 1175 + 68.90



PLAN



SECTION ON ℄

Scale 1"=4' Horiz. & Vert.

ESTIMATED QUANTITIES

Item: E-2	Excavation for Structures	52 Cu.Yds.
Item: E-3	Channel Excavation	10 Cu.Yds.
Item: E-12	Pipe Removed & Disposed of (24" V.S.P.)	8 Lin.Ft.
Item: E-12	Pipe Removed & Stored (24" C.I.P.)	18 Lin.Ft.
Item: S-1	Concrete for Structures (Hdwall) Class "E"	1.5 Cu.Yds.
Item: S-1	Concrete for Structures (Collar) Class "C"	0.3 Cu.Yds.
Item: S-22	Removal of Portions of Existing Structures	Lump
Item:	Special Expansion Anchor Bolts	4 Each.
Item: S-27	36" Pipe for Roadway Culverts	91 Lin.Ft.
Item: S-4	Reinforcing Steel (for Collar)	5 Lbs.
Item: I-8	Std. Catch Basin Nº 1-4	1 Each.

CULVERT DATA

Type: Pipe (Std. Dwg's S-27 PC-3; I-8 CB 1-3 & 1-4)

Size: 36" x 91'-0"

Work Req'd: Remove portion of wing wall of existing concrete box culvert as shown.
Construct Std. No. 1-4 Catch Basin
Extend existing 2'6"x 2'6" concrete box culvert with 36" pipe culvert connected to box with concrete collar and to catch basin as shown. Construct plain concrete headwall on Rt.
Remove & dispose of 8' of existing 24" V.S.P. & Store 18' of existing 24" C.I.P.
Outlet channel shall be excavated in such a manner so as to tie in forward with the existing channel at the direction of the Engineer.

15

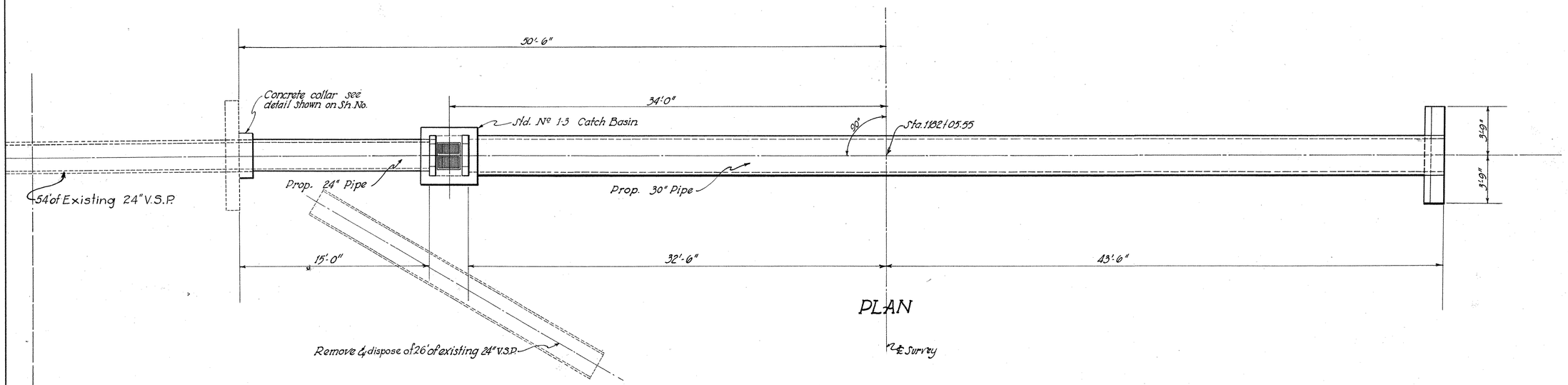
STRUCTURE STA 1175+68.90

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-336-7 FG-336-7 L-16-7	POST WAR

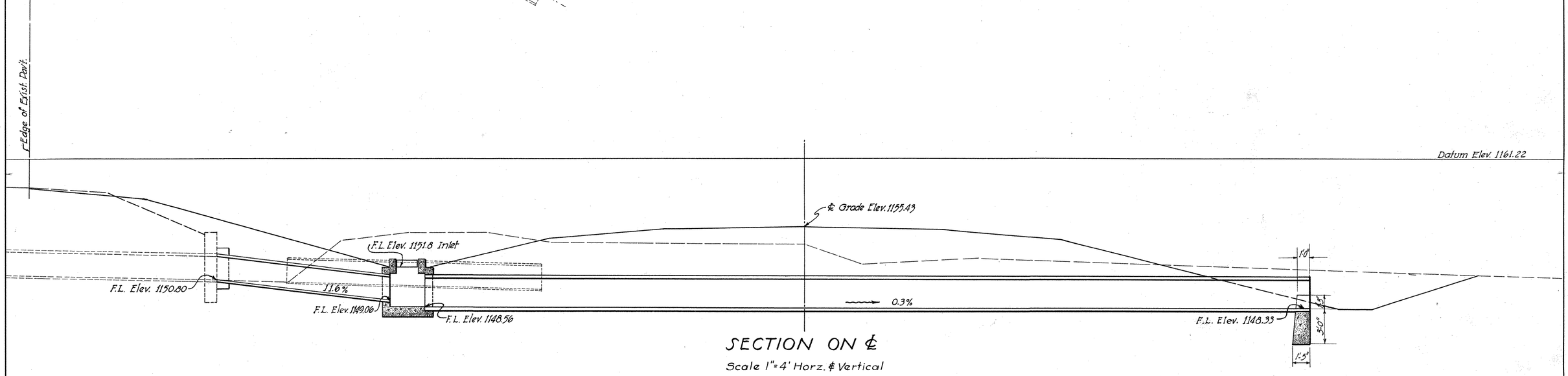
215
227

CLARK COUNTY
CLA. 40 - (15.18 ~ 23.88)

STRUCTURE Nº CL-40-224
STA. 1182 + 05.55



PLAN



SECTION ON ℄

Scale 1"=4' Horz. & Vertical

CULVERT DATA

Type:- Pipe (Std. Dwgs. S-27 P.C.-3 & I-8 C.B. I-3 & I-4

Size: 24" x 15'-0" & 30" x 76'-0"

Work Reqd: Remove & dispose of 26' of existing 24" V.S.P.
Construct Std. No. I-3 catch basin. Extend existing 24" V.S. Pipe culvert with 24" pipe culvert, connected to existing V.S. Pipe culvert & to catch basin.
Place 30" pipe culvert connected to catch basin and construct plain concrete headwall on right.

ESTIMATED QUANTITIES

Item: E-2	Excavation for Structures	80	Cu. Yds.
Item: E-12	Pipe Removed & disposed of 24" V.S.P.	26	Lin. Ft.
Item: S-1	Concrete for Structures (Helwall) Class "E"	1.3	Cu. Yds.
Item: S-1	Concrete for Structures (Collar) Class "C"	0.2	Cu. Yds.
Item: S-4	Reinforcing Steel (Collar)	5	Lbs.
Item: Special	- Expansion Anchor Bolts	4	Each
Item: S-27	24" Pipe for Roadway Culverts	15	Lin. Ft.
Item: S-27	30" Pipe for Roadway Culverts	76	Lin. Ft.
Item: T-8	Std. Catch Basin No. I-3	1	Each

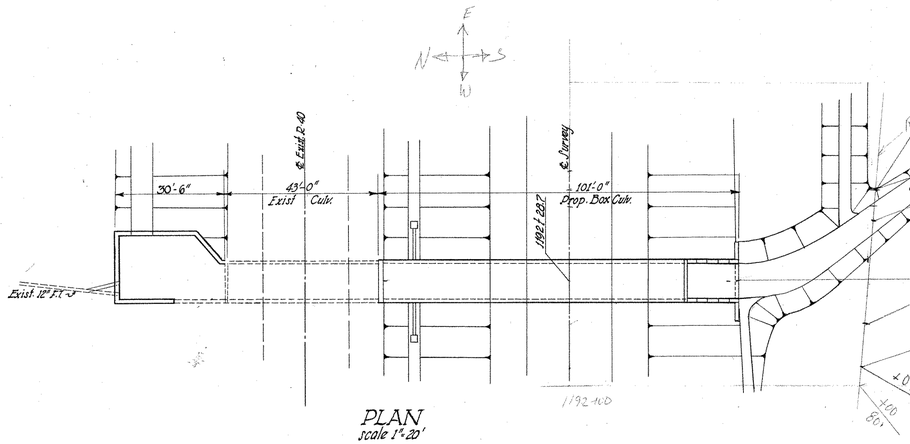
16

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

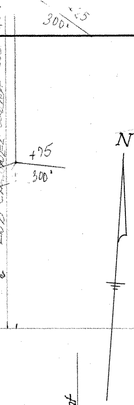
218-A 227

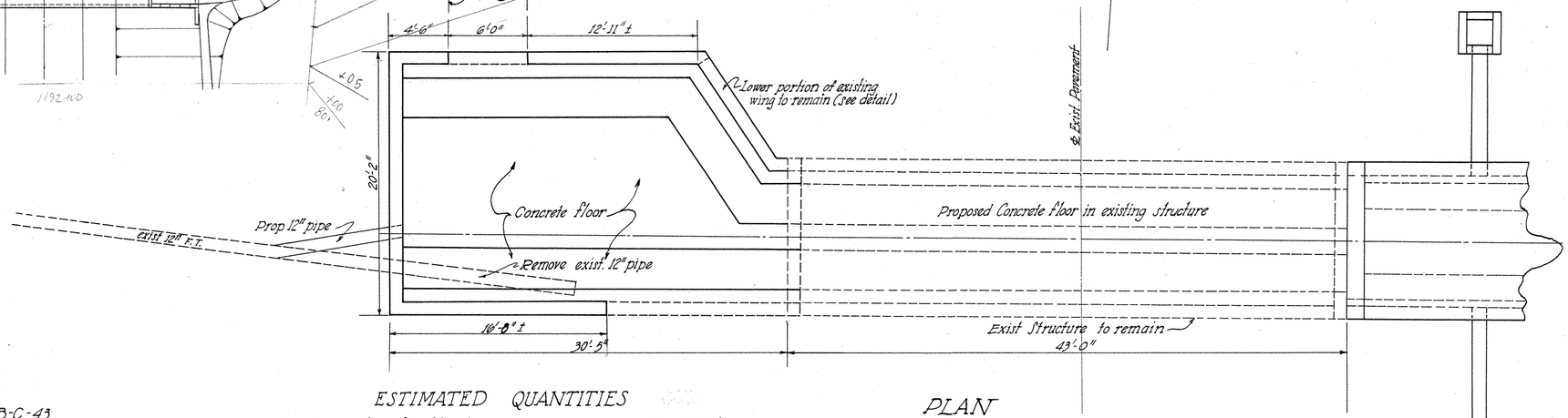
CLARK COUNTY
CLA.-40-(15.18 - 23.88)

SUPPLEMENTAL STRUCTURE DRW'G
SHEET 4 OF 9



PLAN
scale 1"=20'





PLAN
Scale 1"=5'-0"

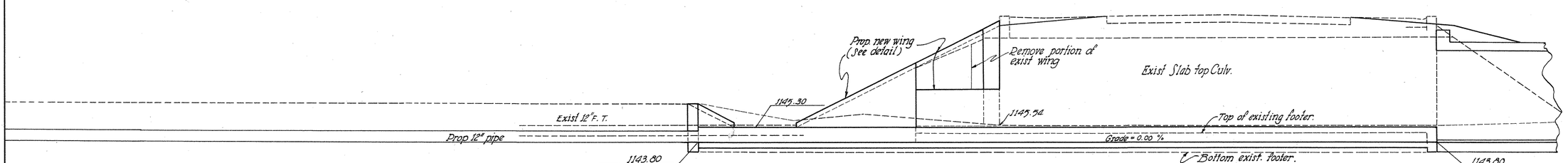
CULVERT DATA

TYPE: - Large Box
SIZE: ~ 10'x9'x100'-11¼"
WORK REQ'D: Build large concrete Box Culv. Std. Drw'g L-B-C-43 on Rt. with 2 Std. 1-2 A.C.B connected to Culv. with 15" pipe as shown.

On Lt. of exist Culv. build a concrete inlet basin as shown on detail drawing, Sheet No. 4 of 5. The concrete floor of the basin to continue through the length of the existing slab top Culvert. Remove portions of the existing Culvert as indicated. Connect existing 12" pipe on Lt. to the concrete basin with 10 lin. ft. of proposed 12" pipe
Also excavate for channel on Rt. of concrete box Culvert and place rip rap Type A Grouted as shown.
Do all necessary excavating for structure and inlet basin and grading for concrete floor thru the existing structure.

ESTIMATED QUANTITIES

Item E-2	Excavation for Structures	250 Cu. Yds.
Item E-3	Channel Excavation	140 Cu Yds.
Item E-12	Pipe Removed & Disposed of 12" V.S.P.	24 Lin Ft.
Item S-1	Concrete for Structures Class "C"	188.3 Cu. Yds.
Item S-4	Reinforcing Steel	24897 Lbs. 24897
Item S-22	Removal of Portions of Existing Structures	Lump Sum
Item I-3	12" Pipe for Roadway Drainage	10 Lin. Ft.
Item I-3	15" Pipe for Roadway Drainage	20 Lin. Ft.
Item I-10	Pip Rap Type "A" Grouted	35 Sq. Yds
Item S-23	Dowel Holes 1¼" x 15"	40 Each
Item I-8	Std. No 1-2 A Catch Basins	2 Each
Item S-23	Dowel Holes 1¼" x 18"	7 Each



SECTION

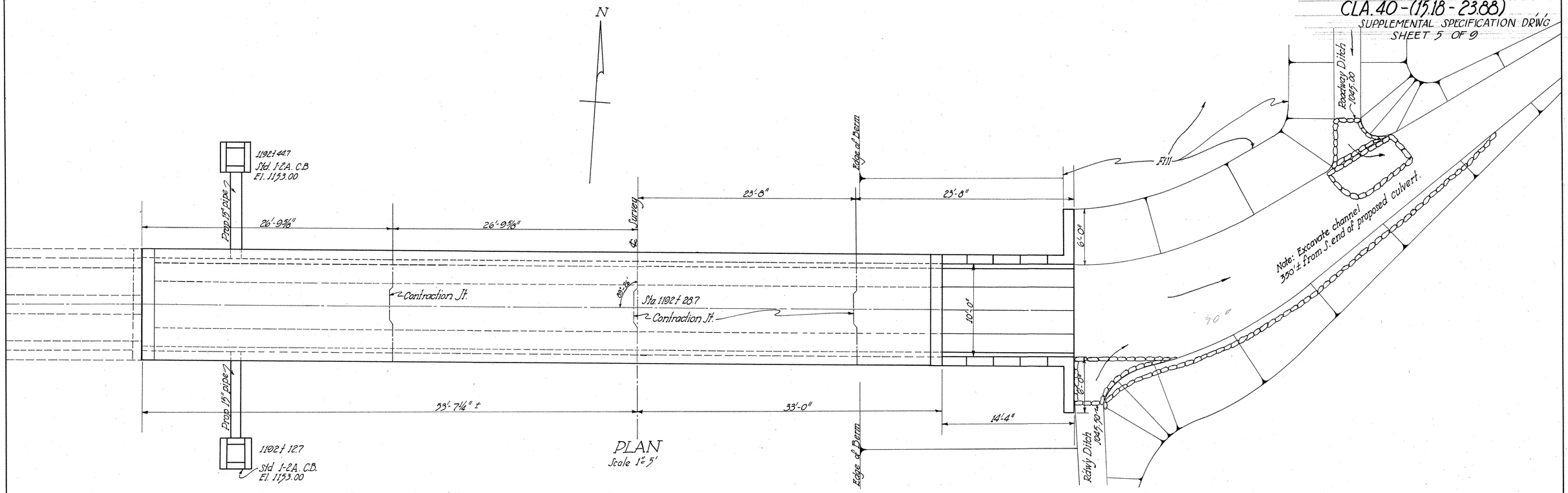
17

STRUCTURE STA. 1192+28.7 Sheet 1 of 5

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 (4) F-556-7 F-14-2	POST WAR

215-2
227

CLARK COUNTY
CLA.40-(15.18-23.88)
SUPPLEMENTAL SPECIFICATION DRWG.
SHEET 5 OF 9



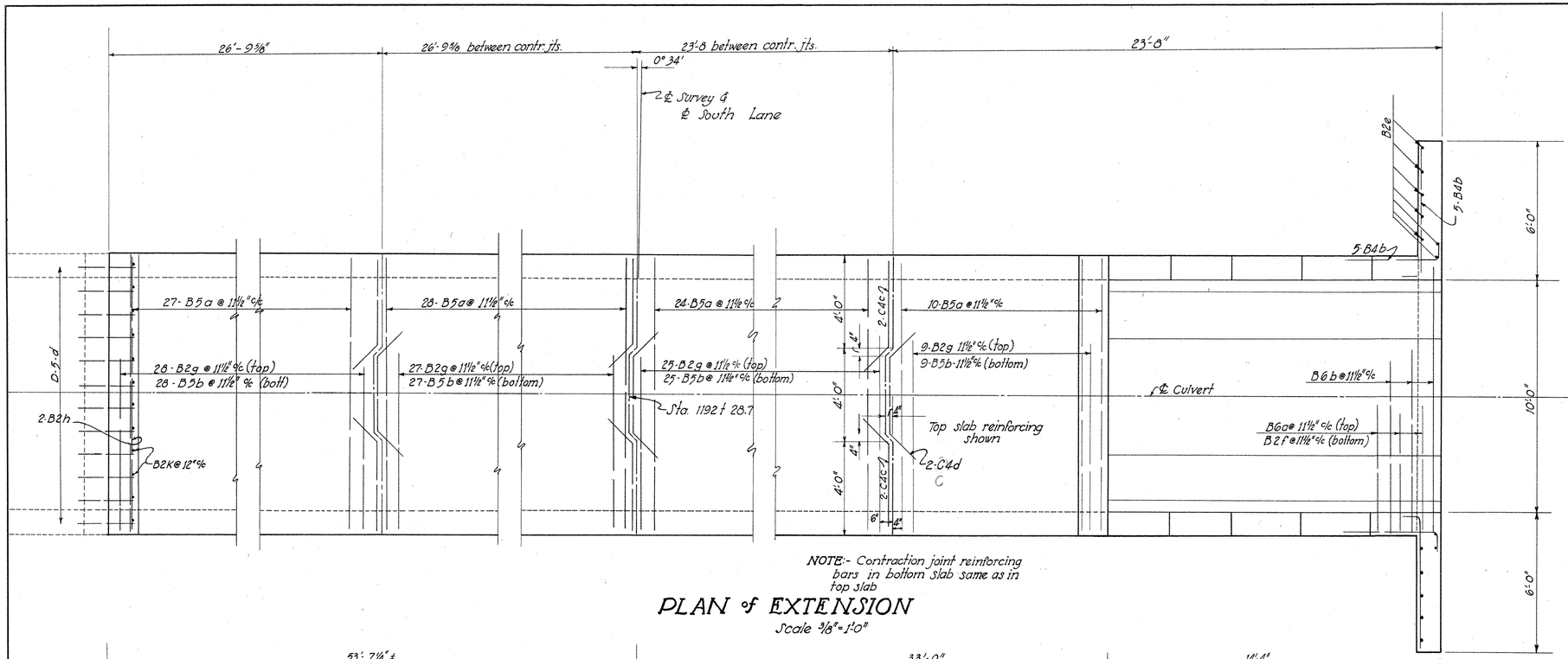
17

STRUCTURE STA. 1192+28.7 Sheet 2 of 5

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-2	POST WAR

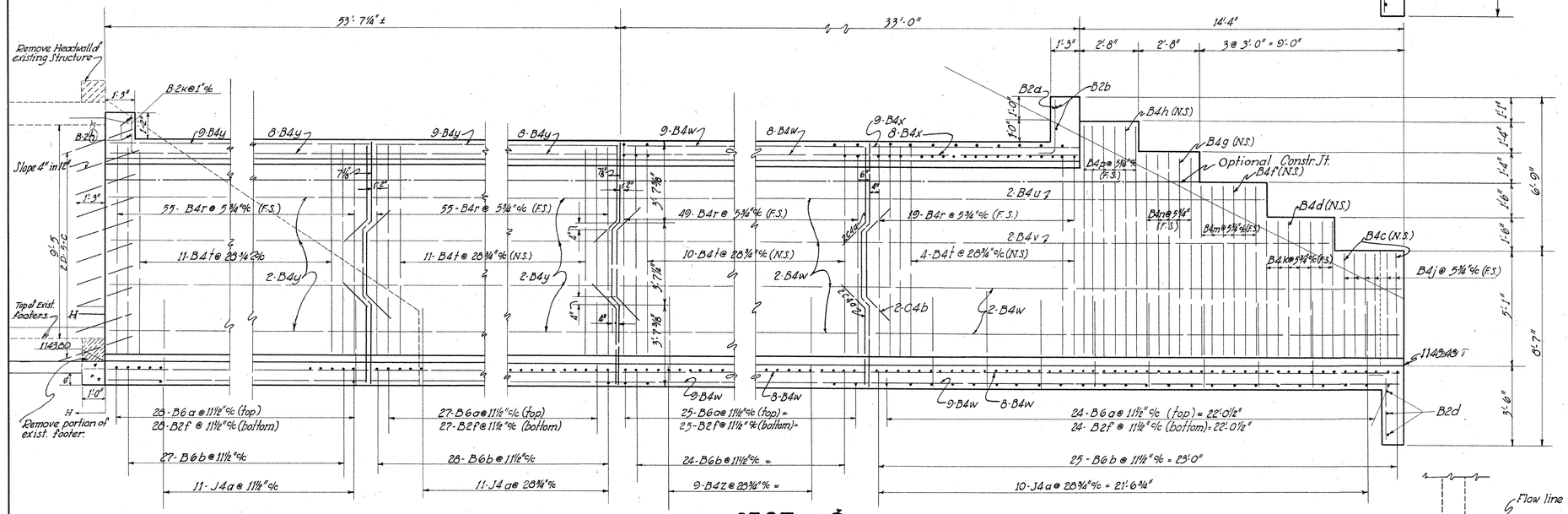
215-C
227

CLARK COUNTY
CLA.40.-(17.18-23.88
SUPPLEMENTAL STRUCTURE DRWG
SHEET 6 OF 9

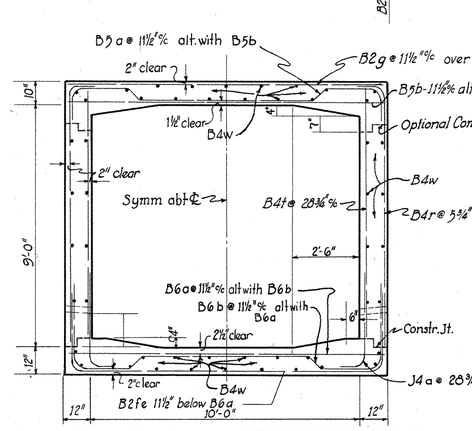


NOTE:- Contraction joint reinforcing bars in bottom slab same as in top slab

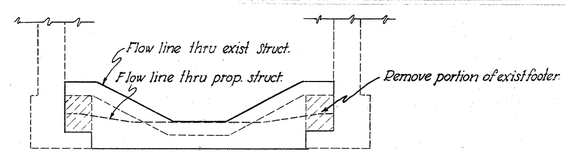
PLAN of EXTENSION
Scale 3/16"=1'-0"



SECT on ℄
Scale 3/16"=1'-0"



TYPICAL SECT.



VIEW H H
Cutoff wall, South end of exist. Structure
Scale 3/8" = 1"

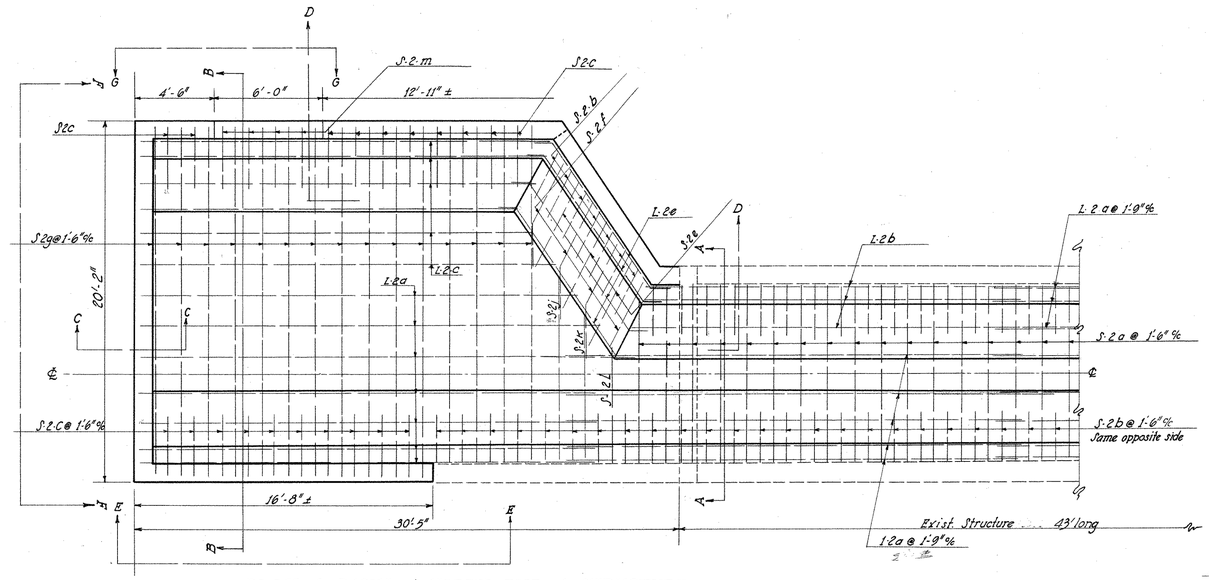
17

STRUCTURE STA. 1192 + 28.7

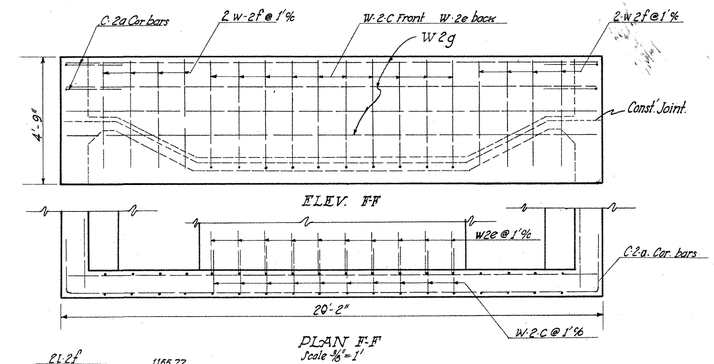
FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-55%-7 P.C.-55%-7 F.-15-2	POST WAR

215-D 227

CLARK COUNTY
CLA. 40 (15.18 ~ 23.88)
SUPPLEMENTAL STRUCTURE DRWG
SHEET 7 OF 9

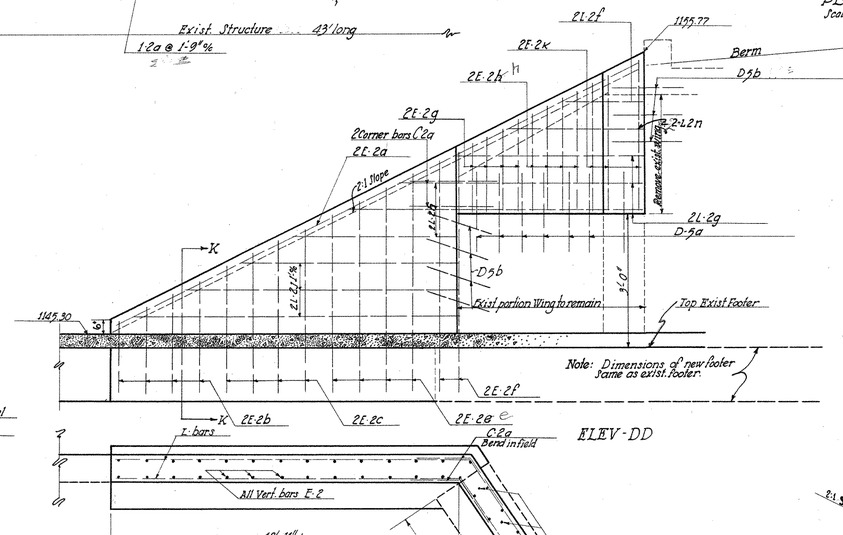


PLAN of BASIN at NORTH END of STRUCTURE
Scale 1/8" = 1'



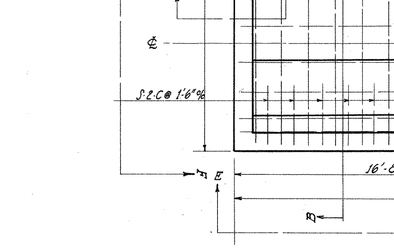
PLAN F-F
Scale 3/8" = 1'

SEC-AA
Scale 3/8" = 1'

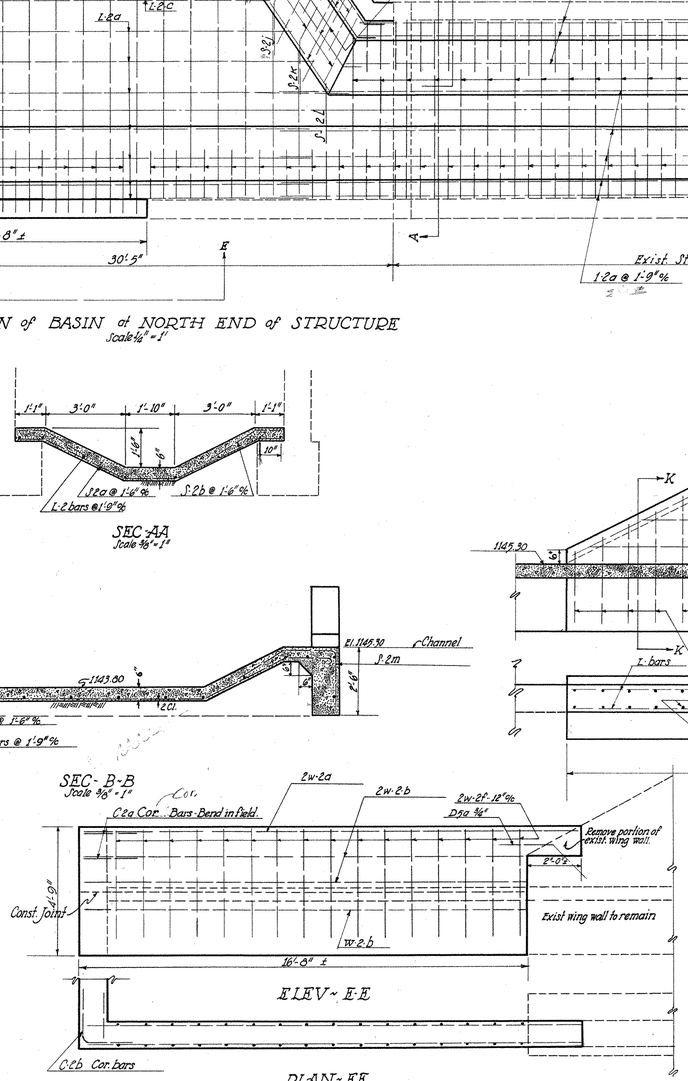


ELEV-DD

PLAN-D-D
Scale 3/8" = 1"



SEC. C-C
Scale 3/8" = 1'

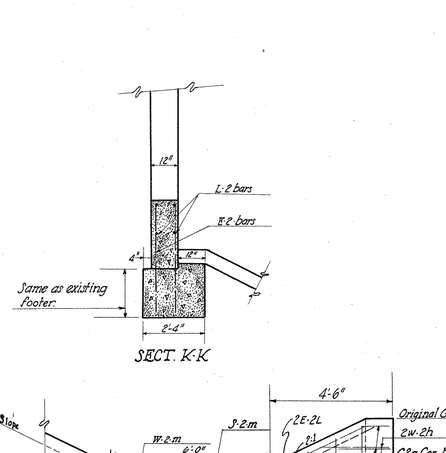


SEC-B-B
Scale 3/8" = 1"

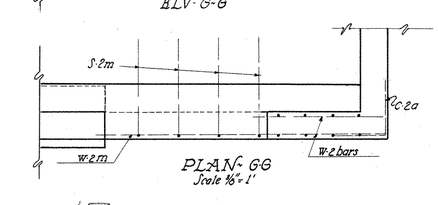
ELEV-E-E

PLAN-E-E
Scale 3/8" = 1'

ELV-G-G



SECT. K-K



PLAN-G-G
Scale 1/8" = 1'

17

FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-556-7 FG-556-7 F-16-7	POST WAR

215-E 227

CLARK COUNTY
CLA. 40 (15.18-23.88)

SUPPLEMENTAL STRUCTURE DRWG
SHEET 8 OF 9

STEEL LIST

LBC EXTENSION

Mark	Size	No.	Length	Spacing	Weight	Shape
B6a	7/8" ø	104	11'-6"	11½"	2445	Straight
B6b	7/8" ø	104	10'-1"	11½"	3843	Bent
B5a	3/4" ø	89	13'-9"	11½"	1838	Bent
B5b	3/4" ø	89	11'-6"	11½"	1537	Straight
B4a	5/8" ø	10	6'-5"	12"	67	Bent
B4b	5/8" ø	10	4'-9"	12"	50	Bent
B4c	5/8" ø	4	4'-7"	As shown	19	Straight
B4d	5/8" ø	2	6'-1"	As shown	13	Straight
B4f	5/8" ø	2	7'-7"	As shown	16	Straight.
B4g	5/8" ø	2	8'-11"	As shown	19	Straight
B4h	5/8" ø	2	10'-3"	As shown	21	Straight
B4j	5/8" ø	12	4'-10"	5⅜"	61	Straight
B4k	5/8" ø	14	6'-4"	5⅜"	92	Straight
B4m	5/8" ø	12	7'-10"	5⅜"	98	Straight
B4n	5/8" ø	10	9'-2"	5⅜"	96	Straight
B4p	5/8" ø	12	10'-6"	5⅜"	131	Straight
B4r	5/8" ø	350	10'-6"	5⅜"	3899	Bent
B4f	5/8" ø	72	9'-3"	28¾"	695	Straight
B4u	5/8" ø	4	17'-0"	As shown	71	Straight
B4v	5/8" ø	4	20'-3"	As shown	85	Straight
B4w	5/8" ø	75	23'-0"	As shown	1799	Straight.
B4x	5/8" ø	17	9'-0"	As shown	160	Straight.
B4y	5/8" ø	100	26'-0"	As shown	2712	Straight
B4z	5/8" ø	82	4'-2"	28¾"	357	Bent
B2a	½" ø	12	2'-11"	12"	23	Bent
B2b	½" ø	2	11'-8"	12"	16	Straight
B2c	½" ø	11	3'-7"	12"	26	Bent
B2d	½" ø	3	21'-8"	12"	43	Straight
B2e	½" ø	14	8'-2"	12"	76	Straight
B2f	½" ø	104	17'-6"	11½"	1216	Bent
B2g	½" ø	89	11'-6"	11½"	604	Straight
B2h	½" ø	2	11'-6"	12"	15	Straight
B2k	½" ø	12	2'-1"	12"	17	Bent
C4a	5/8" ø	24	4'-10"	As shown	121	Bent
C4b	5/8" ø	12	5'-10"	As shown	73	Bent
C4c	5/8" ø	24	5'-3"	As shown	131	Bent
C4d	5/8" ø	12	6'-3"	As shown	78	Bent
D5c	¾" ø	20	2'-8"	12"	80	Straight
D5	¾" ø	17	2'-3"	12"	41	Bent

INLET BASIN

C2a	½" ø	8	4'-0"	As shown	11	Bend in field
D5a	¾" ø	8	3'-0"	18"	36	Straight
D5b	¾" ø	7	2'-6"	12"	26	Straight
E2a	½" ø	2	25'-0"	As shown	33	Bend in field
E2b	½" ø	8	4'-0"	12"	21	Straight
E2c	½" ø	8	6'-0"	12"	32	Straight
E2e	½" ø	8	8'-0"	12"	43	Straight
E2f	½" ø	8	9'-0"	12"	48	Straight
E2g	½" ø	8	3'-0"	12"	16	Straight
E2h	½" ø	8	4'-3"	12"	23	Straight
E2k	½" ø	6	5'-6"	12"	22	Straight
E2L	½" ø	2	4'-0"	As shown	5	Straight
L2a	½" ø	20	25'-5"	21"	340	Straight
L2b	½" ø	3	21'-8"	As shown	43	Straight
L2c	½" ø	6	23'-0"	21"	92	Straight

STEEL LIST

INLET BASIN ~ Contd

Mark	Size	No	Length	Spacing	Weight	Shape
L2e	⅛" ø	4	12'-8"	As Shown	34	Bent
L2f	⅛" ø	2	5'-0"	As Shown	7	Bend in field
L2g	½" ø	6	11'-6"	12"	46	Bend in field
L2h	½" ø	6	6'-0"	12"	24	Straight
L2j	½" ø	6	12'-0"	12"	48	Straight
L2n	½" ø	2	8'-6"	As Shown	11	Bend in field
S2a	½" ø	31	10'-4"	18"	214	Bent
S2b	½" ø	75	3'-0"	18"	150	Bent
S2c	½" ø	20	3'-11"	18"	52	Bent
S2e	½" ø	3	6'-0"	As Shown	12	Bent
S2f	½" ø	4	7'-10"	33"	21	Bent See Note
S2g	½" ø	15	21'-2"	18"	212	Bent
S2J	½" ø	1	11'-0"	18"	7	Straight
S2K	½" ø	1	8'-6"	18"	6	Straight
S2l	½" ø	1	6'-3"	18"	4	Straight
S2m	½" ø	4	5'-11"	18"	10	Bent
W2a	½" ø	2	18'-4"	As Shown	24	Straight
W2b	½" ø	6	16'-4"	12"	66	Straight
W2c	½" ø	10	5'-3"	12"	35	Bent
W2e	½" ø	10	5'-1"	12"	34	Bent
W2f	½" ø	48	4'-0"	12"	128	Straight
W2g	½" ø	8	19'-10"	11"	106	Straight
W2h	½" ø	6	4'-9"	12"	19	Straight
W2j	½" ø	8	4'-0"	12"	21	Straight
W2m	½" ø	2	7'-0"	As Shown	9	Straight

REPLACEMENT STEEL

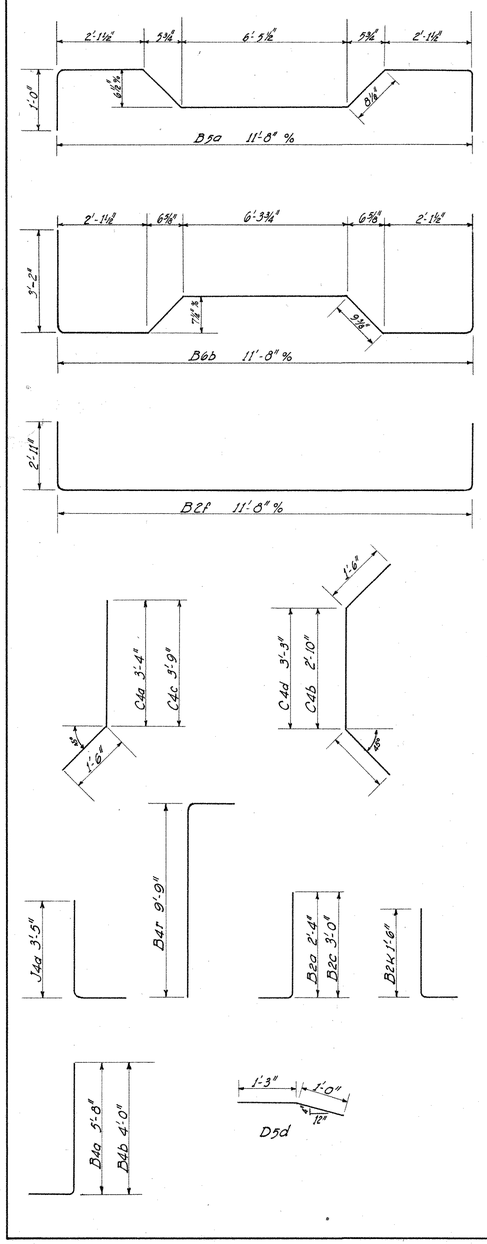
RE2	½" ø	1	5'-8"		4	Straight
RE4	5/8" ø	1	6'-1"		6	Straight
RE5	¾" ø	1	6'-6"		10	Straight
RE6	⅞" ø	1	8'-0"		16	Straight
Total					24897	

1537

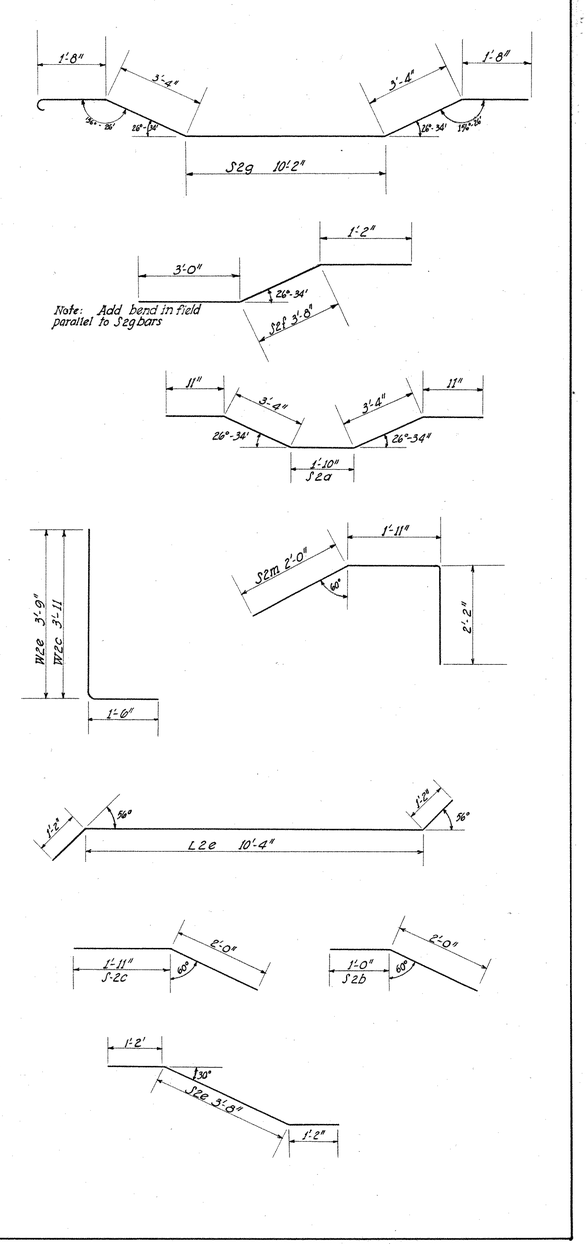
Correct To 24897 E.L.W.M. 3/23/49

BENDING DIAGRAM

LBC EXTENSION



INLET BASIN

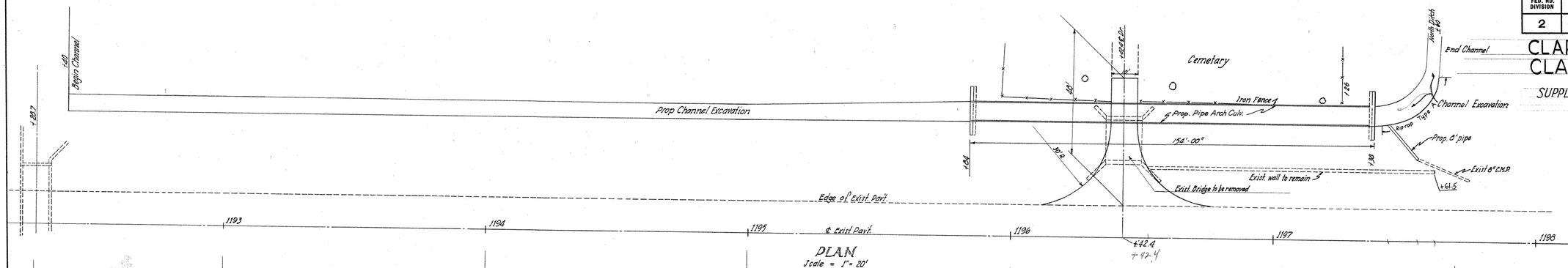


FED. RD. DIVISION	STATE	PROJECT	TYPE FUND
2	OHIO	F-586-7 FG-586-7 F-16-2	POST WAR

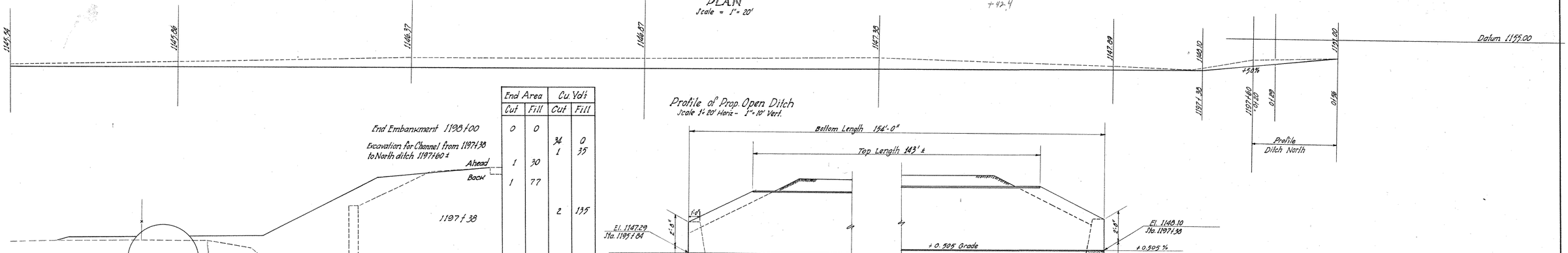
215-F
227

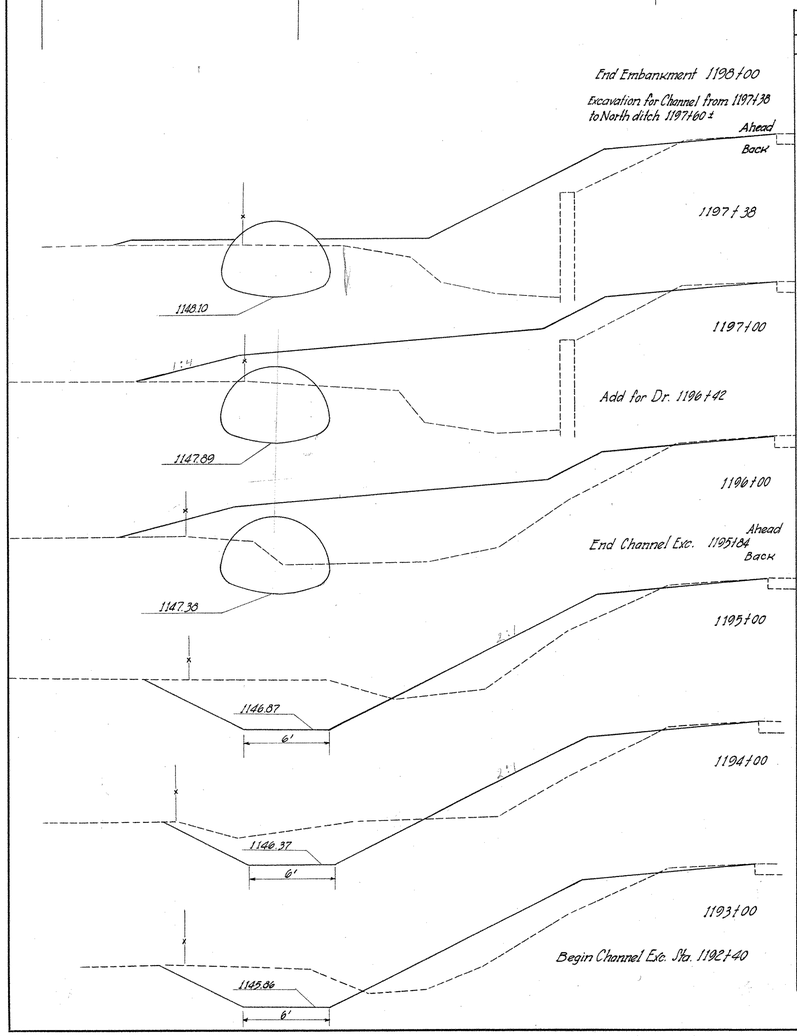
CLARK COUNTY
CLA.40. (15.18 - 23.88)

SUPPLEMENTAL STRUCTURE DRW'G
SHEET 9 OF 9



PLAN
Scale = 1" = 20'

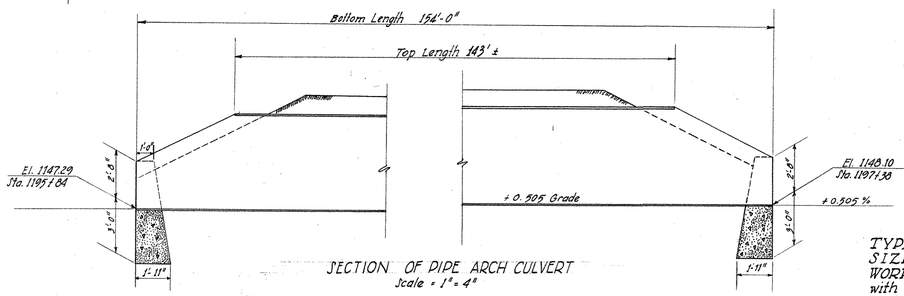




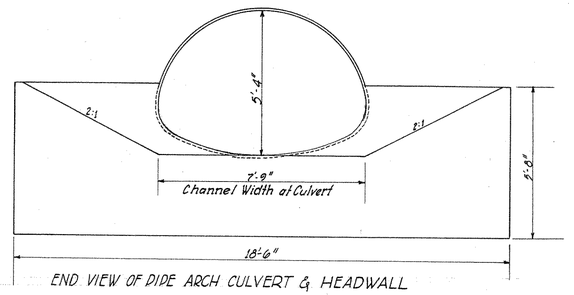
	End Area		Cu. Yd's	
	Cut	Fill	Cut	Fill
	0	0		
			34	0
Ahead	1	30	1	35
Back	1	77		
			2	135
	1	115		
			4	400
				10
	1	101		
			1	60
Ahead	0	101		
Back	44	29		
			132	90
	41	29		
			131	102
	30	26		
			100	111
	27	34		
			43	60
	12	27		
			454	1011

Carried to Roadway Cross Sections

Profile of Prop. Open Ditch
Scale 1" = 20' Horiz. - 1" = 10' Vert.



SECTION OF PIPE ARCH CULVERT
Scale = 1" = 4'



END VIEW OF PIPE ARCH CULVERT & HEADWALL
Scale 3/8" = 1'

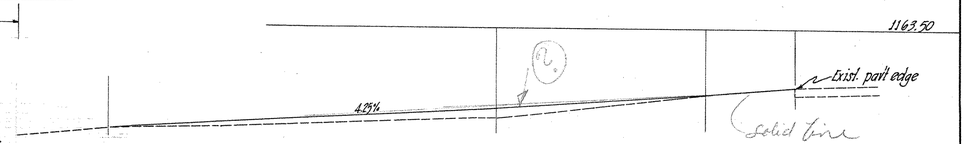
NOTE: The gauge and depth of corrugation of plates may be selected from the following.
For 1½" Corrugations use 8 gauge for upper, and 5 gauge for lower and corner plates.
For 1¾" Corrugations use 10 gauge for upper and 7 gauge for lower and corner plates.
For 2" Corrugation use 10 gauge for upper and 8 gauge for lower and corner plates.
A 1" Tolerance will be permitted in the nominal span and height.

CULVERT DATA

TYPE: Sectional Plate Pipe Arch
SIZE: 7'-9" x 5'-4" x 154'
WORK REQD: Build sectional plate pipe arch culvert with concrete Headwall at each end of pipe as shown. Remove bridge and masonry abutments. Connect existing 8" C.M.P. with prop 8" pipe to open ditch. Do all necessary channel and Culvert excavation.

ESTIMATED QUANTITIES

Item: E-2 Excavation for Structures.	217	Cu. Yds.
Item: I-3 - 8" Pipe for Roadway Drainage	20	Lin. Ft.
Item: I-10 Riprap Type "A"	7	Sq. Yds.
Item: S-1 Concrete Class "E" for Headwalls	9.0	Cu. Yds.
Item: S-24 Removal of existing bridge (Sta. 1196+42)		Lump Sum
Item: S-26 Sect. Corrugated Plate 7'-9" x 5'-4"	154	Lin. Ft.
Item: I-17 For Cemetery Drive, Sta. 1196+42.4	96	Sq. Yds.



SECTION FOR CEMETERY DRIVE

18

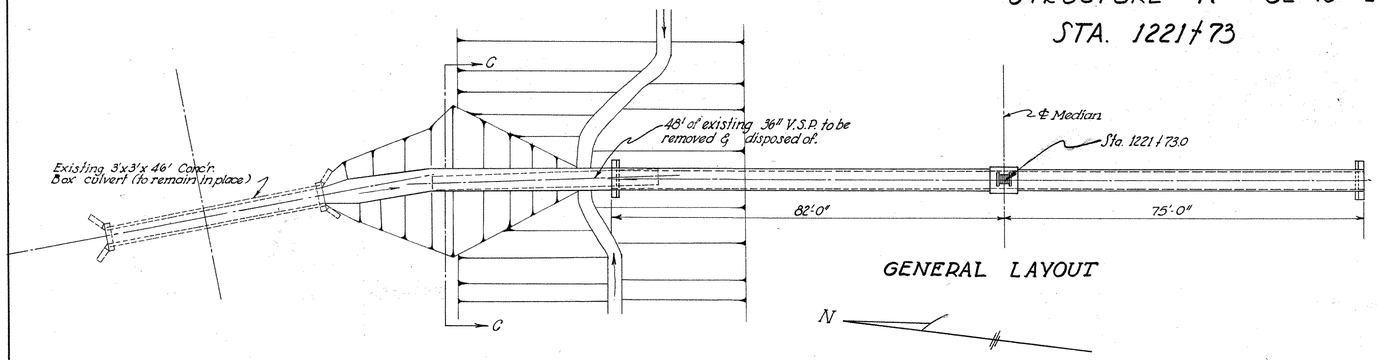
STRUCTURE STA. 1196+42.4

FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO	F-338-7 FG-338-7 F-16-2	

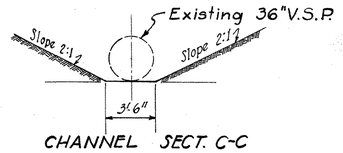
216
227

CLARK COUNTY
CLA.-40-(15.28-23.88)

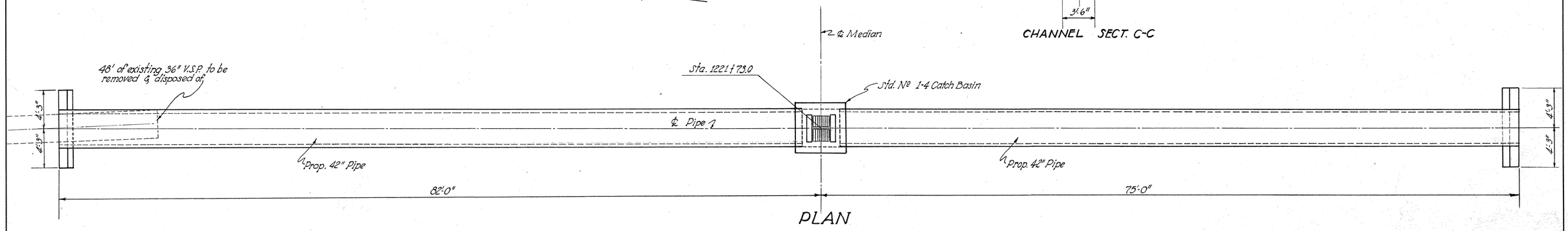
STRUCTURE Nº CL-40-231
STA. 1221+73



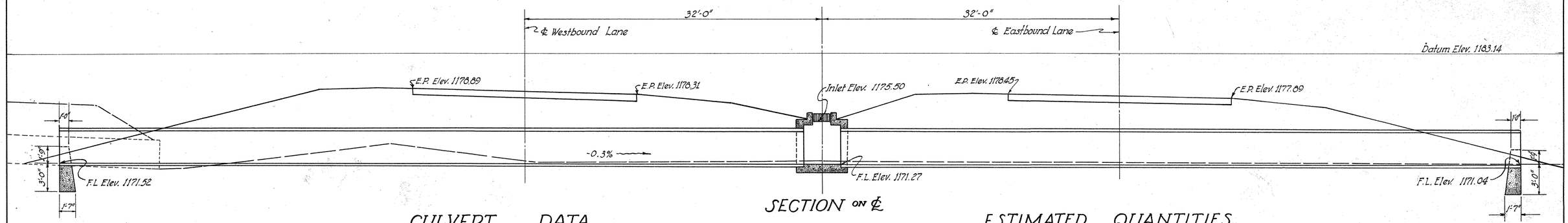
GENERAL LAYOUT



CHANNEL SECT. C-C



PLAN



SECTION ON ℄

CULVERT DATA

Type:- Pipe. Std. Dwgs. S-27 P.C-3; I-8 C.B. Nº 1-3 & 1-4

Size:- 42" x 153'

Work Req'd:- Remove and dispose of 48' of existing 36" V.S.P. Construct Std Nº 1-4 catch basin on ℄ median. Lay 80' on Lt & 73' on Rt. of 42" pipe for roadway culvert. connected to catch basin. Construct plain concrete headwall on Rt & Lt as shown. Excavate inlet channel on Lt as shown.

ESTIMATED QUANTITIES

Item	E-2	Excavation for Structures	48 Cu. Yds.
Item	E-3	Channel Excavation	45 Cu. Yds.
Item	E-12	Pipe Removed and Disposed of 36"V.S.P.	48 Lin. Ft.
Item	S-1	Concrete for Structures Class "E" Headwalls.	3.4 Cu. Yds.
Item	S-27	Pipe for Roadway Culverts - 42"	153 Lin. Ft.
Item	I-8	Std # 1-4 Catch Basin	1 Each.

19

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-556(7) FG-556(7) F-16(2)	POST WAR

217
227

CLARK COUNTY
CLA-40-(15.18-23.88)
D.T.&I. OVERHEAD-Nº CL-40-154A
EAST EDGE OF SPRINGFIELD

BENCH MARKS

S.E. Corner of North walk 46' left Sta. 815+32 Elev. 1020.60
S.W. Corner of Headwall 14' right Sta. 815+05 Elev. 1002.61

NORTH

CURVE DATA
Δ=1°46'
R=12277
D=0°28'
T=189.29
C=378.53
E=1.46
L=378.55
℄ North Lane

CURVE DATA
Δ=1°46'
R=12277
D=0°28'
T=189.29
C=378.53
℄ North Lane
E=1.46
L=378.55

Existing R.W. Line
AT. 813+78.35 ℄ North Lane
AT. 817+54.06 ℄ North Lane
℄ Bridge
"D" moved to "D" Spring field Corp. Line Sta. 815+16.80
A.I. Station 816+48.39
℄ Bridge Sta. 814+85.90
End Appr. Pav't Sta. 814+42.38
℄ Existing Pavement
℄ Median
℄ Prop North Lane
Begin Appr. Pav't. Sta. 815+29.31
Sidewalk
Pole moved
83°-19'
R83°-18'
813
814
815
816
817
Existing R.W. Line
℄ Survey & ℄ Prop. South Lane
Exist. 18" Pipe
Road Sign.
12" Wildcherry
3-Bushes
8" Pine
8" Elm
6" Elm
6" Wildcherry
4" Elm
5" Elm
12" Locust
Shrub
8" Locust
Existing R.W. Line Old Wooden Backwalls
Transition 2½ to 1 Slope
Point "A"
3" Pine
Tree
Shrubs
Existing R.W. Line
Transition 1½ to 1 Slope
Brush
Corner post R.R. R/W
Concrete Bases for Traction Trestle
12½ of 1½ Round 18" Tile
D.T.&I. R.R.
12' of 8" Pipe Outlet for roadway drainage (See Sheet No.)
New pole "B"
Remove existing eight lines of No. 9 copper wire between poles A & B and replace with eight lines of insulated wire
R.R. Force Account Work
℄ D.T.&I. R.R. Line "A"
℄ South Lane.
Min. Clearances for constr.
℄ Br
Clearance Line
7'-6"
7'-6"
3'-0"
8'-6"
21'-6"
3'-0"
16'-3"
℄ Track
19'-0" Min. Paint
Pier
Pier
Min. Cl. for constn
CLEARANCE DIAGRAM
Section normal to ℄ track
Scale - 1"=10'

PROFILE GRADE D.T.&I. RAILROAD (200' N.&S. of S. Lane)
Sta. 5+00 on ℄ R.R. track = Sta. 814+79.40 ℄ Proposed South Lane.

600' V.C.
BRIDGE LIMITS
PT. Sta. 814+00 El. 1022.60
Sta. 814+42.39
Sta. 814+85.90 ℄ Br. PC El. 1020.54
Sta. 815+29.31
+2.07%
-1.02%
Bench El. 1016.1
Bench El. 1016.1
Prop. Profile Grade
1½:1 Normal
1½:1 Normal
Reinf. conc. piling both abuts. Est Av. length 25'
El. 994.90
Reinf. conc. piling both piers Est. Av. length 15'
1003.24
1002.20
1001.21
1001.07
1000.97
1000.19
1000.16
999.75
1018.72
1019.53
1020.78
1018.61
1017.20
PROFILE on PROPOSED ℄

EXISTING BRIDGE DATA

Type:- Continuous Concrete Slab
Span:- 24.28', 30.35', 24.28' Clear Spans
Alignment:- Tangent - Skew 8°45' L.F.
Roadway:- 42'-0" - Sidwk 4'-6" N. Side only.
25' Conc. Appr. Slab - 600' V.C.
Loading:- H-15
Surface Course:- 1" Monolithic Conc.
Blast Plates:- over existing track

To be widened.

Print Approved
DETROIT TOLEDO & IRONTON RAILROAD CO.
By F.W. Kasten 7/17/48
CHIEF ENGINEER

Sounding Note

Estimated average piling lengths determined by rod soundings.

PROPOSED STRUCTURE

Type: Continuous concrete slab (widened) on reinforced concrete substructure.
Span: 26.17' - 33.18' - 26.05' ℄ bearings.
Roadway: 28' ℄ median to face curb on right, variable (28' min.) ℄ median to face curb on left.
Sidewalks: 4'-6" on North side, 6'-0" on South side.
Loading: S-20-44 on new portion.
Skew: 6°-41' L.F.
Surface Course: Bituminous.
No. Tracks: One.
Alignment: North lane, 0°-28' Left curve; South lane, tangent.
Superelevation: None.
Approach Slabs: None.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

SITE PLAN
BRIDGE Nº. CL-40-154A
OVER D.T.&I. RAILROAD.
CLARK COUNTY CLA-40-(15.18-23.88)
Scale 1"=20' FG-556(7) Sta. 814+85.90

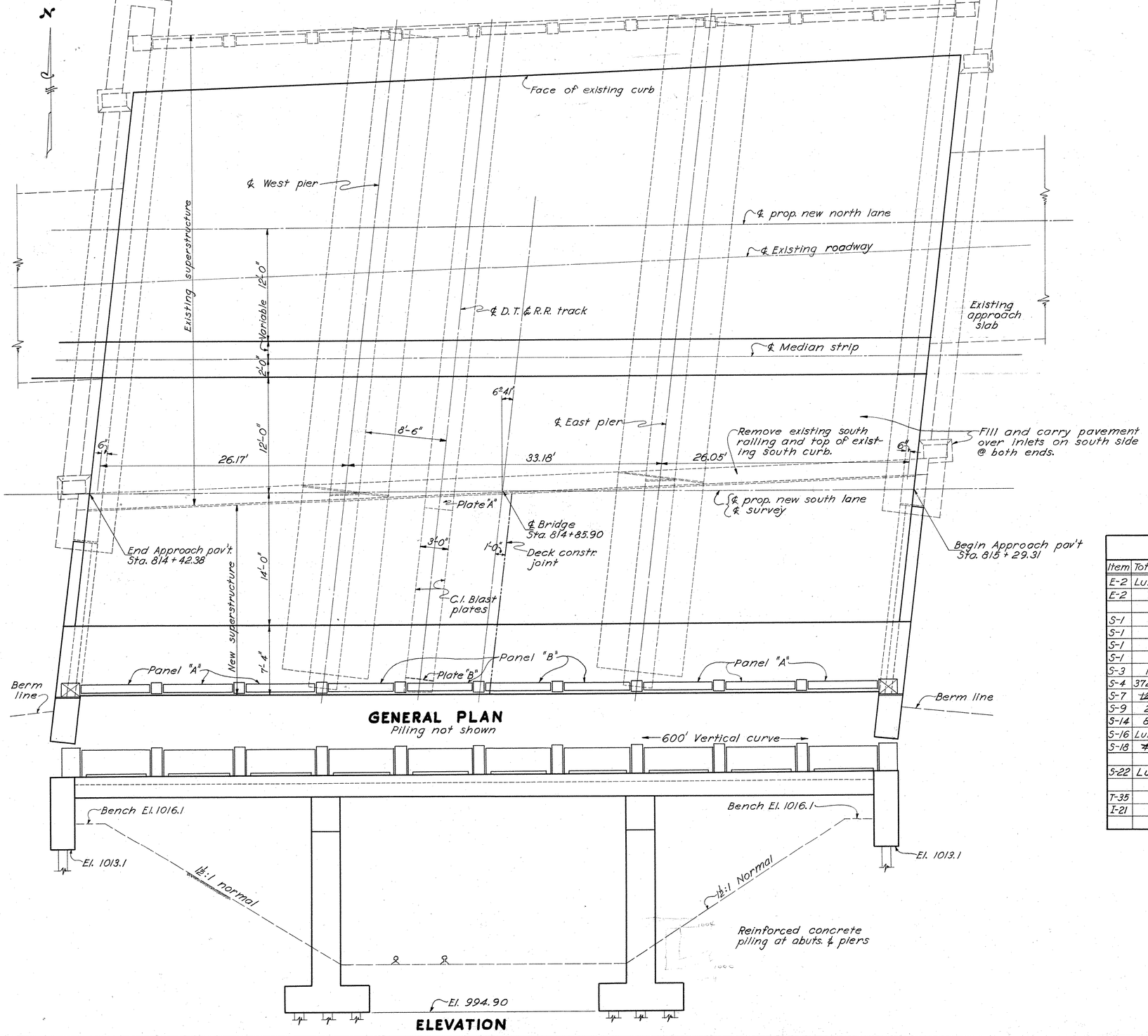
PPEs: TOPO		PROPOSED WORK			
Surveyed	Drawn	Designed	Drawn	Checked	Reviewed
E.P.	H.V.G.	P.E.S.	P.E.S.	C.H.A.	P.E.S. 10-22-48

Rev. 11-18-48

FED. RD. DIVISION	STATE	FED. AID PROJECT	TYPE FUNDS
2	OHIO	F-556(7) FG-556(7) F-16(2)	POST WAR

218
227

CLARK COUNTY
SEC. CLA-40-(15.18-23.88)



GENERAL PLAN
Piling not shown

ELEVATION

GENERAL NOTES

REMOVAL OF EXISTING BRIDGE: Existing superstructure: Remove south railing and top of curb. Remainder shall remain in place. Existing substructure: Remove existing wing walls at south side to bottom of existing slab. Portion of existing inlets to be removed. Material removed as described above shall be removed from site by contractor.

EXCAVATION quantity includes removal of fill material between top of earth bench and bottom of abutment crossbeam.

PILING shall be driven to a minimum bearing capacity of 35 tons.

EXISTING BRIDGE shall be resurfaced with asphaltic concrete, Item T-35, laid in two courses, a ½" finishing course over a variable thickness base course.

CONSTRUCTION PROCEDURE: Concrete sidewalk shall not be placed until after falsework has been removed or released.

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Abuts.	Piers	Superstr.	General	As Built	
E-2	Lump	Sum	Cofferdams, cribs and sheeting				Lump		
E-2	111	Cu. Yd.	Unclassified excavation	23	88				
S-1	117	Cu. Yd.	Class "C" concrete, superstructure			117			
S-1	26	Cu. Yd.	Class "E" concrete, abutments	26					
S-1	54	Cu. Yd.	Class "E" concrete, pier walls		54				
S-1	40	Cu. Yd.	Class "E" concrete, pier footings		40				
S-3	150	Sq. Yd.	Type "C" waterproofing			150			
S-4	37239	Lbs.	Reinforcing steel	2868	7487	26763	121		
S-7	~~1200~~	Lbs.	Cast Iron blast plates			~~1200~~		C-2, +33	1,233
S-9	215	Sq. Ft.	½" premolded expansion joint filler				215		
S-14	88.5	Lin. Ft.	Railing, concrete			88.5			
S-16	Lump	sum	First test pile				Lump		
S-18	~~780~~	Lin. Ft.	12" cast-in-place or precast reinforced concrete piling.	750	~~270~~			C-1, +345.5	765.5
S-22	Lump	sum	Removal of portions of existing structure				Lump		
T-35	~~42~~	Cu. Yd.	Asphaltic concrete surface course, Type A or C. (70-80)			~~28~~		C-1, +0.8	42.8
I-21	41	Sq. Yd.	Portland cement concrete median pavement (as per plan)			41			

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

GENERAL PLAN & ELEVATION NOTES & ESTIMATED QUANTITIES
BRIDGE NO. CL-40-154A
OVER D.T. & I. RAILROAD

CLARK COUNTY SEC. CLA-40-(15.18-23.88)
FG-556(7) STA. 814 + 85.90

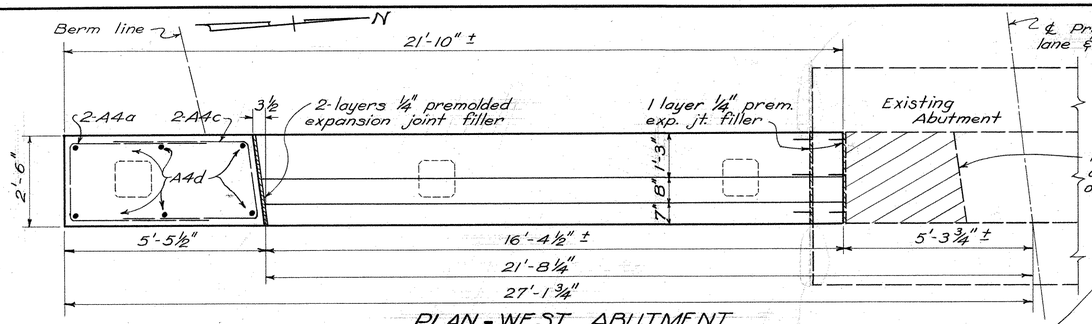
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED BFG	DATE	REVISED
N.E.Y.	N.E.Y.	G.D.V.	~~E.J.P.~~ E.J.P.	B.F.G.	10-22-48	11-15-48

Revised As Built J.V.G. 3/25/52

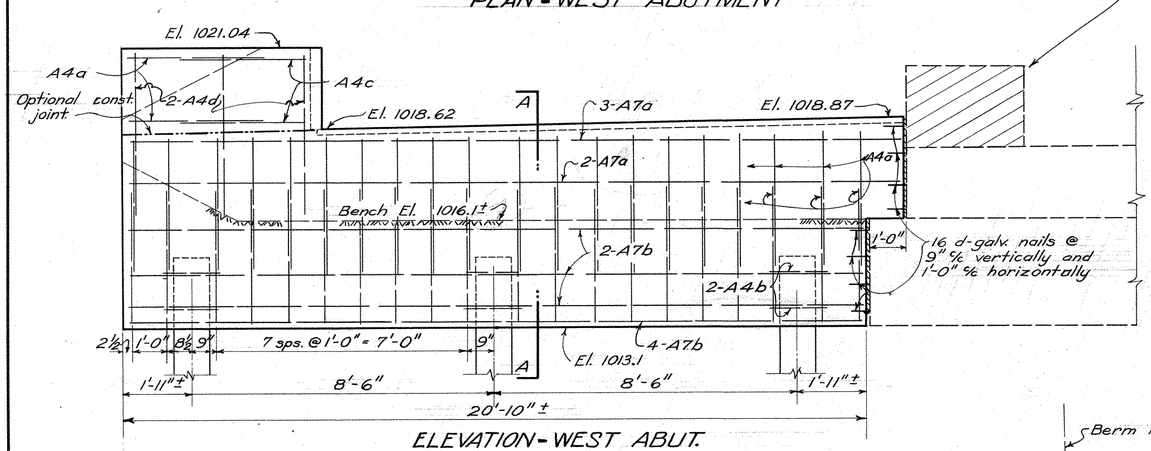
FED. RD. DIV. NO.	STATE	FED. AID PROJECT	TYPE FUNDS
2	OHIO	F-556(7) F-56-556(7) F-16(2)	POST WAR

219
227

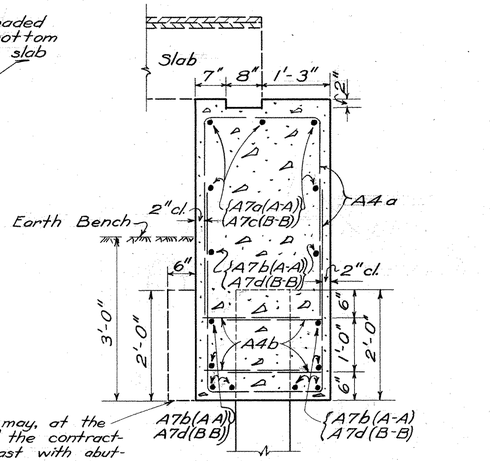
CLARK COUNTY
S. H. SEC. CLA-40-(15.18-23.88)



PLAN - WEST ABUTMENT



ELEVATION - WEST ABUT.

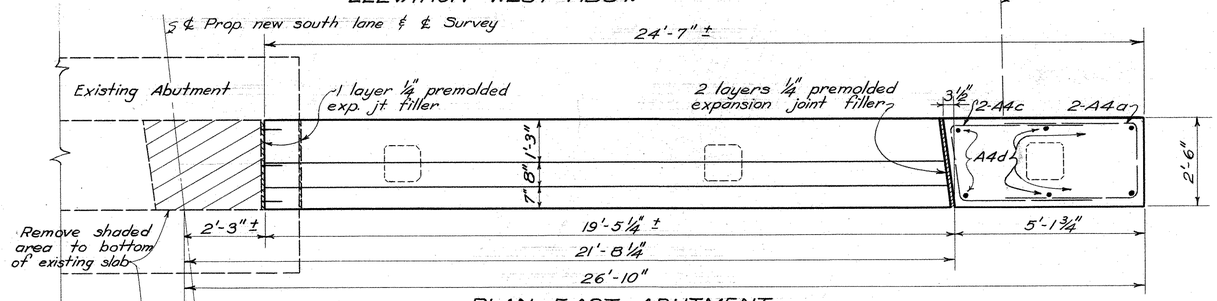


6" ledge may, at the option of the contractor, be cast with abutment to support falsework. No additional payment will be made for concrete used in ledge.

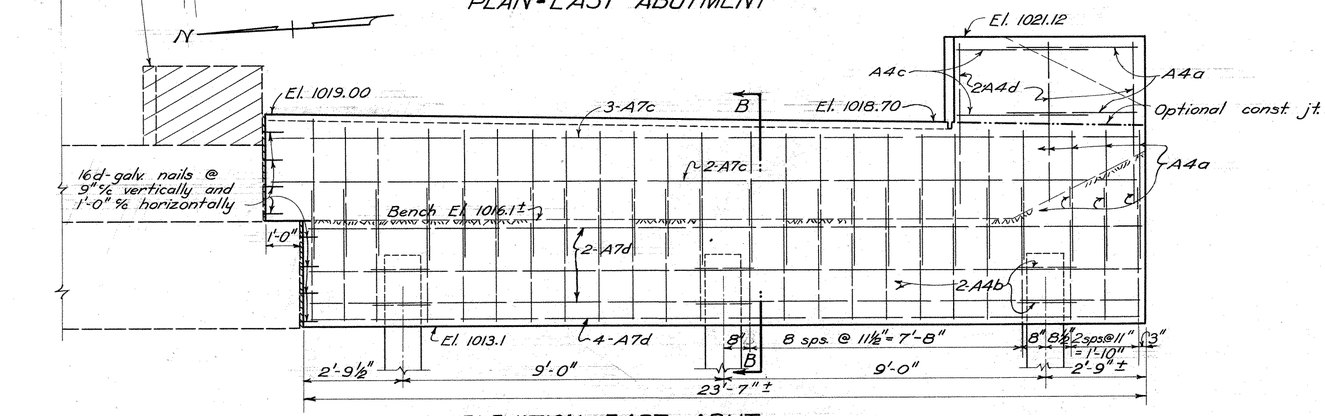
SECTION A-A

SEC. B-B same except as shown.

NOTE: All earth fill around abutments shall be made full height of earth bench. Excavation shall then be made for abutment cap, after which piling shall be driven. If bottom forms for abutment caps are used they shall be left in place.



PLAN - EAST ABUTMENT



ELEVATION - EAST ABUT.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

ABUTMENT DETAILS

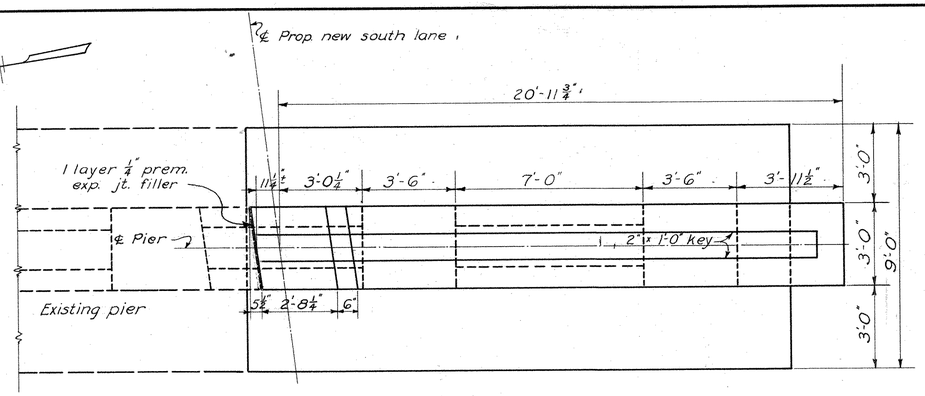
BRIDGE NO. CL-40-154.A
OVER D.T & I. RAILROAD
CLARK COUNTY Sec. CLA.-40-(15.18-23.88)
STA. 814 + 85.90
FG-556(7)

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
N.E.Y.	N.E.Y.	R.M.M.	C.P.F. N.F.	BFG GRJ	10-22-48	

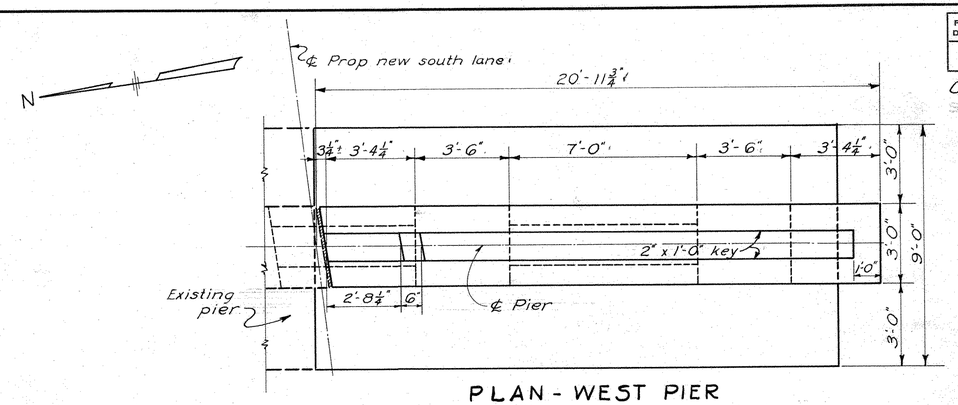
FED. RD. DIV., NO.	STATE	FED. AID PROJECT	TYPE FUNDS
2	OHIO	F-356(7) FG-556(7) F-161(2)	POST WAR

220
227

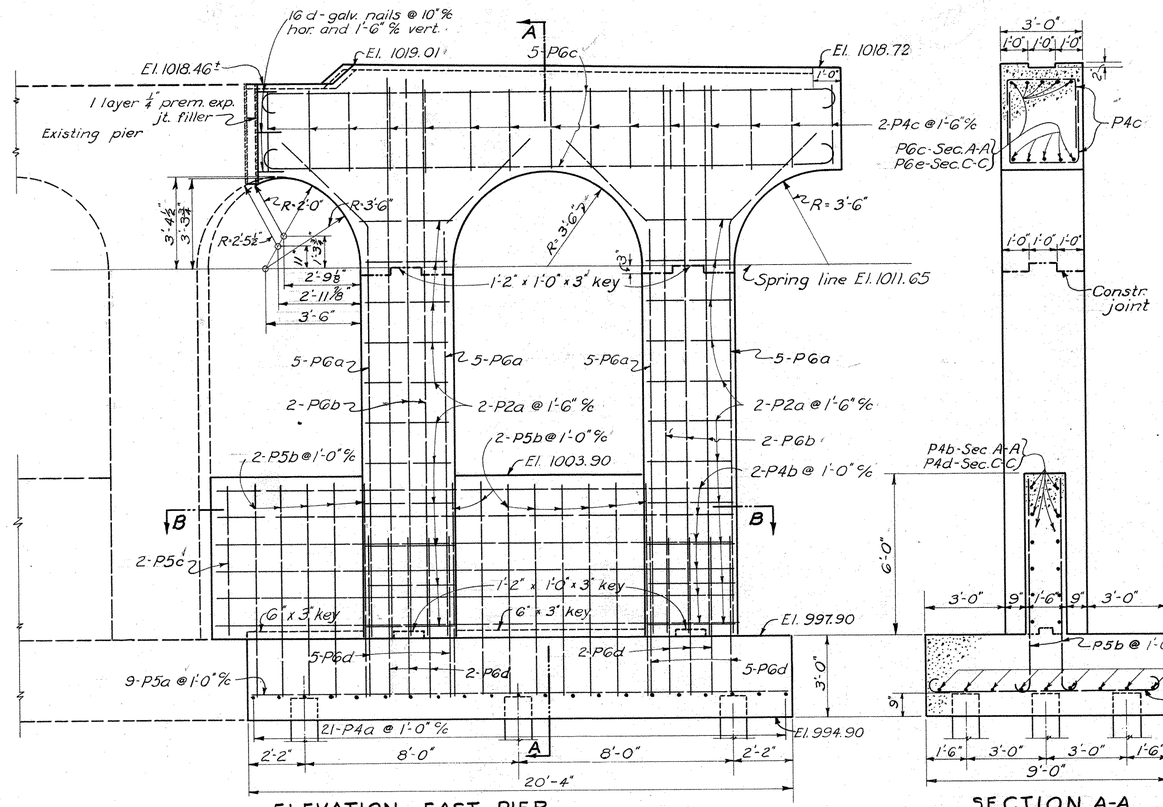
CLARK COUNTY
S.R. SEC. CLA-40-(15.18-23.88)



PLAN - EAST PIER
Piling not shown

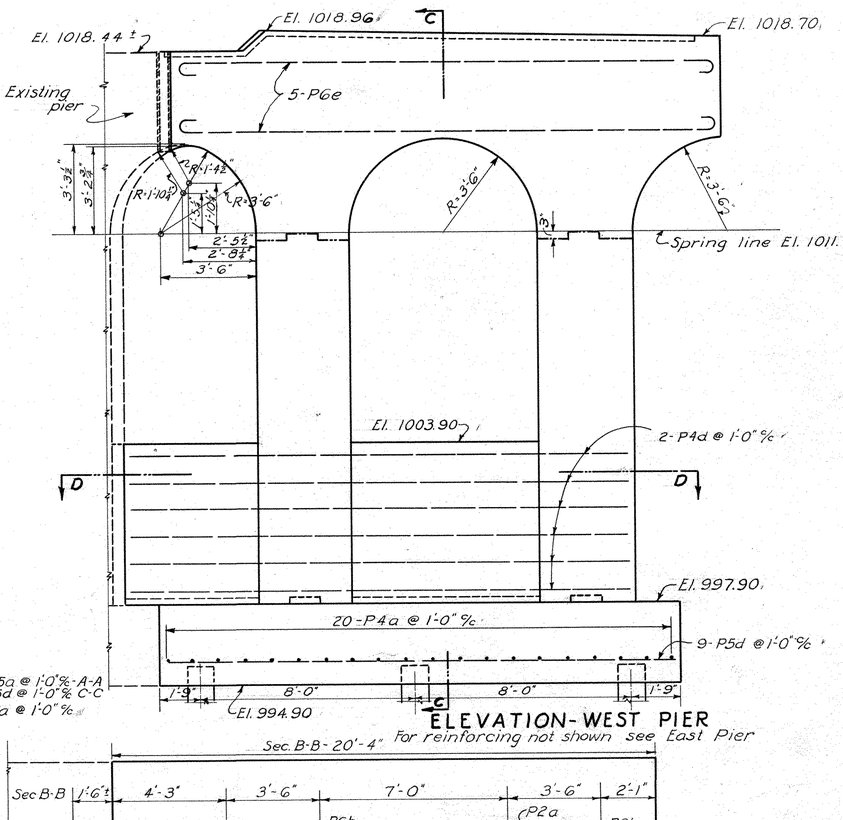


PLAN - WEST PIER
Piling not shown

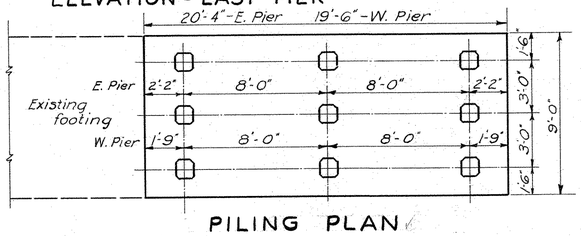


ELEVATION - EAST PIER

SECTION A-A
SECTION C-C same except as shown

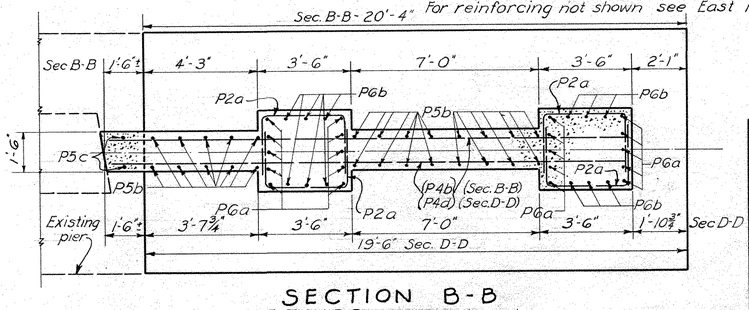


ELEVATION - WEST PIER
For reinforcing not shown see East Pier



PILING PLAN

NOTE: All reinforcing 2" clear unless otherwise shown.



SECTION B-B
SECTION D-D same except as shown

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

PIER DETAILS
BRIDGE NO. CL-40-154A
OVER D T & I R.R.

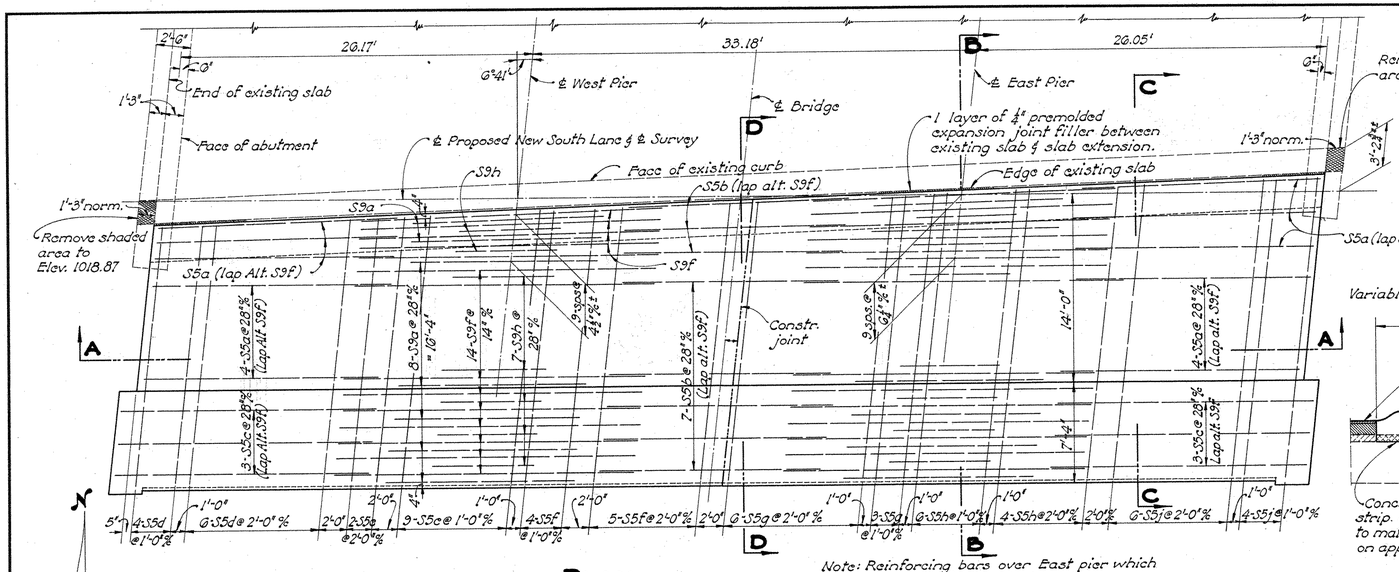
CLARK COUNTY Sec. CLA-40-(15.18-23.88)
STA. 814+85.90
FG-556(7)

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
N.E.Y.	N.E.Y.	J.D.J.	C.T.P.	BFG	10-22-48	

FED. RD. DIV. NO.	STATE	FED. AID PROJECT	TYPE FUNDS
12	OHIO	F-556(7) RS-556(7) F-16(2)	POST WAR

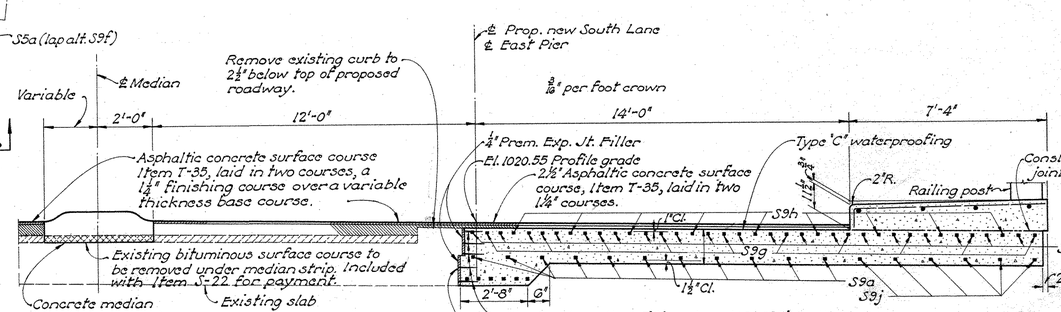
221
227

CLARK COUNTY
SEC. CLA-40-(15.18-23.88)



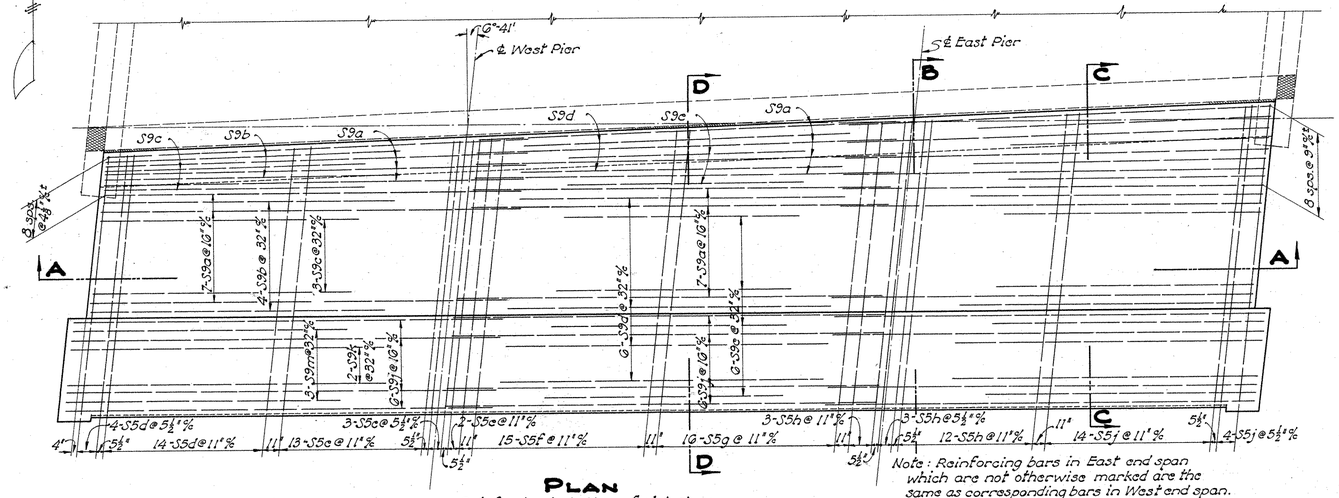
PLAN
Reinforcing in top of slab shown

Note: Reinforcing bars over East pier which are not otherwise marked are the same as corresponding bars over West pier.



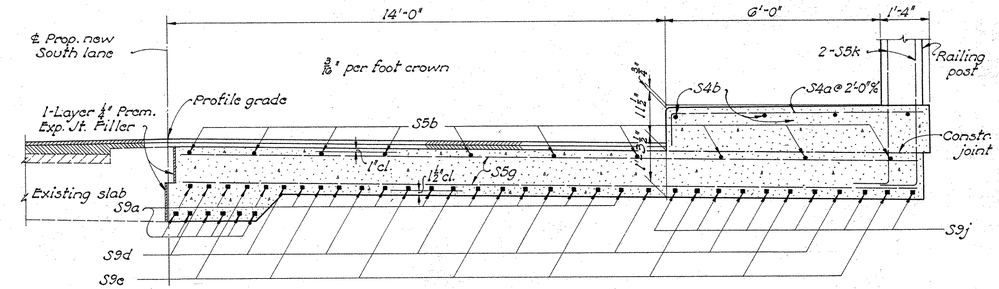
SECTION B-B
Transverse reinforcing not shown.

Slab drainage as per Sec. S-29.07.

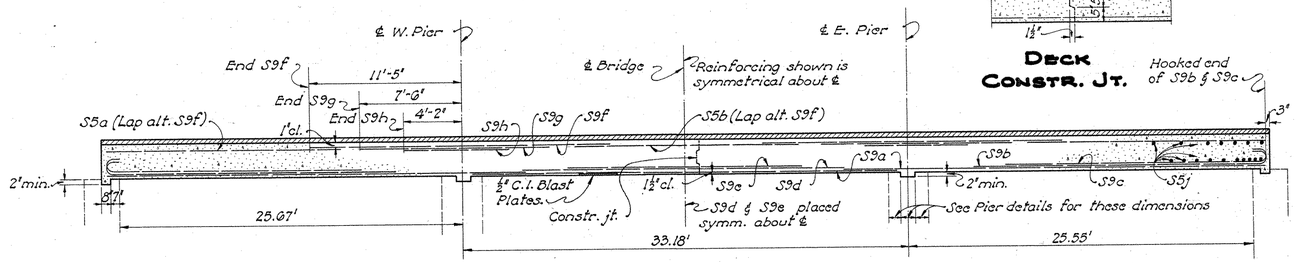


PLAN
Reinforcing in bottom of slab shown

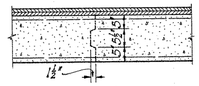
SECTION C-C
For details not shown see Sec. B-B



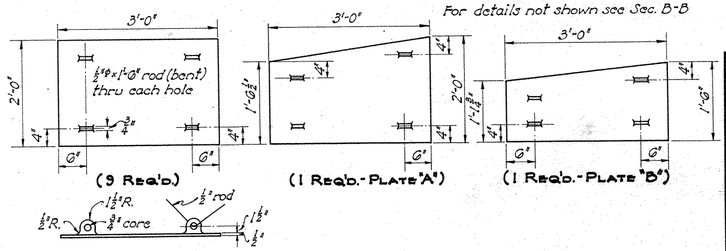
SECTION D-D
For details not shown see Sec. B-B



SECTION A-A



DECK CONSTR. JT.



C.I. BLAST PLATES

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

SUPERSTRUCTURE DETAILS

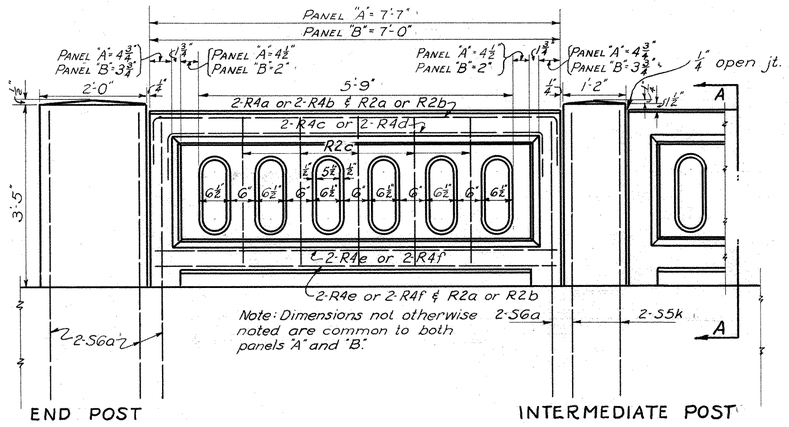
BRIDGE NO. CL-40-154A
OVER D.T. & I. RAILROAD
CLARK COUNTY STA. 814+85.90
SEC. CLA-40-(15.18-23.88) FG-556(7)

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
N.E.Y.	N.E.Y.	JAMES	D.F.D.	DFG	10-22-48	

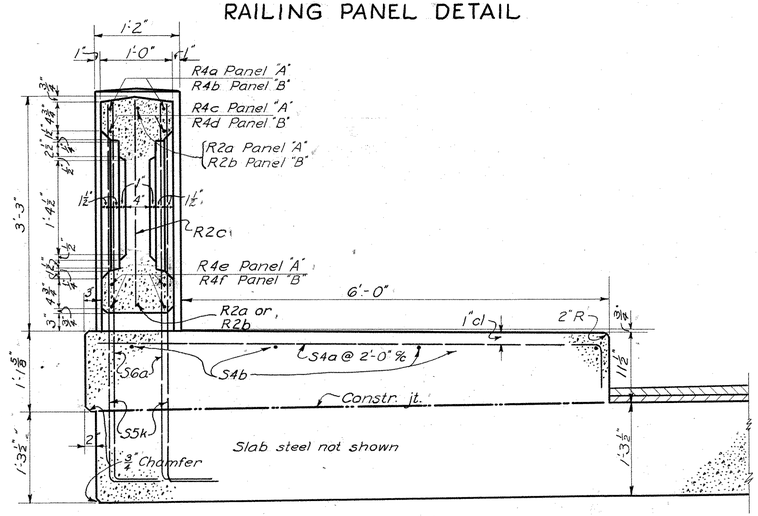
FED. RD. DIV. NO.	STATE	FED. AID PROJECT	TYPE FUNDS
2	OHIO	F-556(7) FG-556(7) F-19(2)	POST WAR

222
227

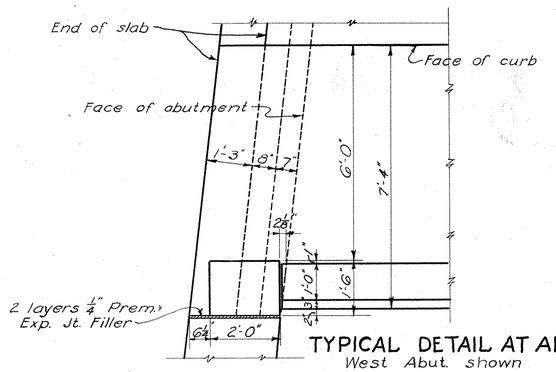
CLARK COUNTY
SEC. CLA-40-(15.18-23.88)



RAILING PANEL DETAIL



SECTION A-A



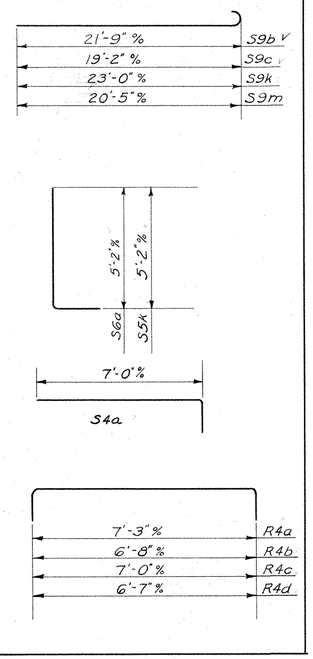
TYPICAL DETAIL AT ABUT.
West Abut. shown

REINFORCING STEEL LIST

MARK	SIZE	NO.	LENGTH	WEIGHT	SHP
Superstructure					
S9a	1 1/8" □	51	31'-4"	6875	Str.
S9b	1 1/8" □	12	23'-0"	1188	Bt.
S9c	1 1/8" □	10	20'-5"	879	Bt.
S9d	1 1/8" □	8	24'-2"	832	Str.
S9e	1 1/8" □	8	17'-6"	602	Str.
S9f	1 1/8" □	38	22'-5"	3666	Str.
S9g	1 1/8" □	20	14'-0"	1208	Str.
S9h	1 1/8" □	18	7'-4"	568	Str.
S9j	1 1/8" □	18	32'-2"	2492	Str.
S9k	1 1/8" □	4	24'-3"	417	Bt.
S9m	1 1/8" □	6	21'-8"	560	Bt.
S6a	3/8" ø	48	6'-2"	605	Bt.
S5a	3/8" ø	14	17'-9"	373	Str.
S5b	3/8" ø	10	16'-4"	245	Str.
S5c	3/8" ø	6	19'-0"	171	Str.
S5d	3/4" ø	28	19'-2"	806	Str.
S5e	3/4" ø	29	19'-9"	860	Str.
S5f	3/4" ø	24	20'-3"	729	Str.
S5g	3/4" ø	25	20'-10"	782	Str.
S5h	3/4" ø	28	21'-4"	897	Str.
S5j	3/4" ø	28	21'-11"	922	Str.
S5k	3/4" ø	36	6'-0"	324	Bt.
S4a	5/8" ø	45	7'-8"	359	Bt.
S4b	5/8" ø	12	32'-2"	403	Str.
R4a	5/8" ø	12	8'-9"		Bt.
R4b	5/8" ø	8	8'-2"		Bt.
R4c	5/8" ø	12	8'-6"		Bt.
R4d	5/8" ø	8	8'-1"		Bt.
R4e	5/8" ø	24	7'-3"		Str.
R4f	5/8" ø	16	6'-8"		Str.
R2a	1/2" ø	12	7'-3"		Str.
R2b	1/2" ø	8	6'-8"		Str.
R2c	1/2" ø	50	2'-8"		Str.

include with railing for payment

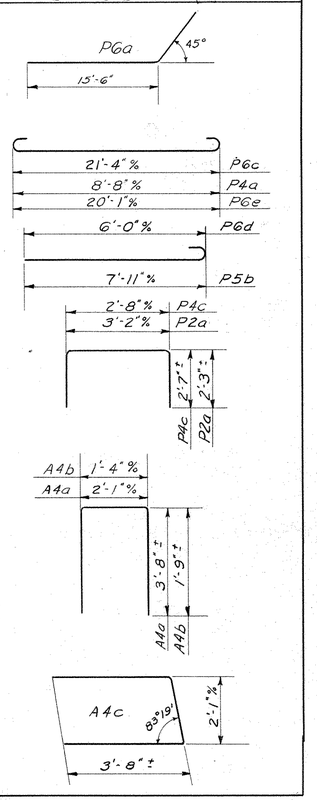
BENDING DIAGRAMS



REINFORCING STEEL LIST

MARK	SIZE	NO.	LENGTH	WEIGHT	SHP
Piers					
P6a	7/8" ø	40	20'-0"	1635	Bt.
P6b	7/8" ø	24	20'-9"	1018	Str.
P6c	7/8" ø	10	23'-0"	470	Bt.
P6d	7/8" ø	64	6'-10"	893	Bt.
P6e	7/8" ø	10	21'-9"	445	Bt.
P5a	3/4" ø	9	20'-0"	270	Str.
P5b	3/4" ø	52	8'-7"	670	Bt.
P5c	3/4" ø	4	5'-5"	34	Str.
P5d	3/4" ø	9	19'-2"	259	Str.
P4a	5/8" ø	41	9'-10"	420	Bt.
P4b	5/8" ø	12	19'-2"	240	Str.
P4c	5/8" ø	58	7'-7"	459	Bt.
P4d	5/8" ø	12	18'-7"	233	Str.
P2a	1/2" ø	88	7'-6"	441	Bt.
Abutments					
A7a	1" ø	5	21'-6"	287	Str.
A7b	1" ø	10	20'-6"	547	Str.
A7c	1" ø	5	24'-3"	324	Str.
A7d	1" ø	10	23'-3"	621	Str.
A4a	5/8" ø	92	9'-2"	880	Bt.
A4b	5/8" ø	24	4'-7"	115	Bt.
A4c	5/8" ø	4	9'-2"	38	Bt.
A4d	5/8" ø	12	4'-6"	56	Str.
Replacement Steel					
RE9	1 1/8" □	2	7'-9"	67	Str.
RE7	1" ø	1	7'-4"	20	Str.
RE6	7/8" ø	1	6'-11"	14	Str.
RE5	3/4" ø	1	6'-6"	10	Str.
RE4	5/8" ø	1	6'-1"	6	Str.
RE2	1/2" ø	1	5'-8"	4	Str.

BENDING DIAGRAMS



STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

RAILING DETAILS & REINFORCING STEEL LIST
BRIDGE NO. CL-40-154A
OVER D.T. & I. RAILROAD
CLARK COUNTY STA. 814+85.90
SEC. CLA-40-(15.18-23.88) FG-556(7)

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
N.E.Y	N.E.Y	J.D.J	E.R.P.	BFG	10-22-48	

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	F-336(7) FG-336(7) F-16(2)	POST WAR

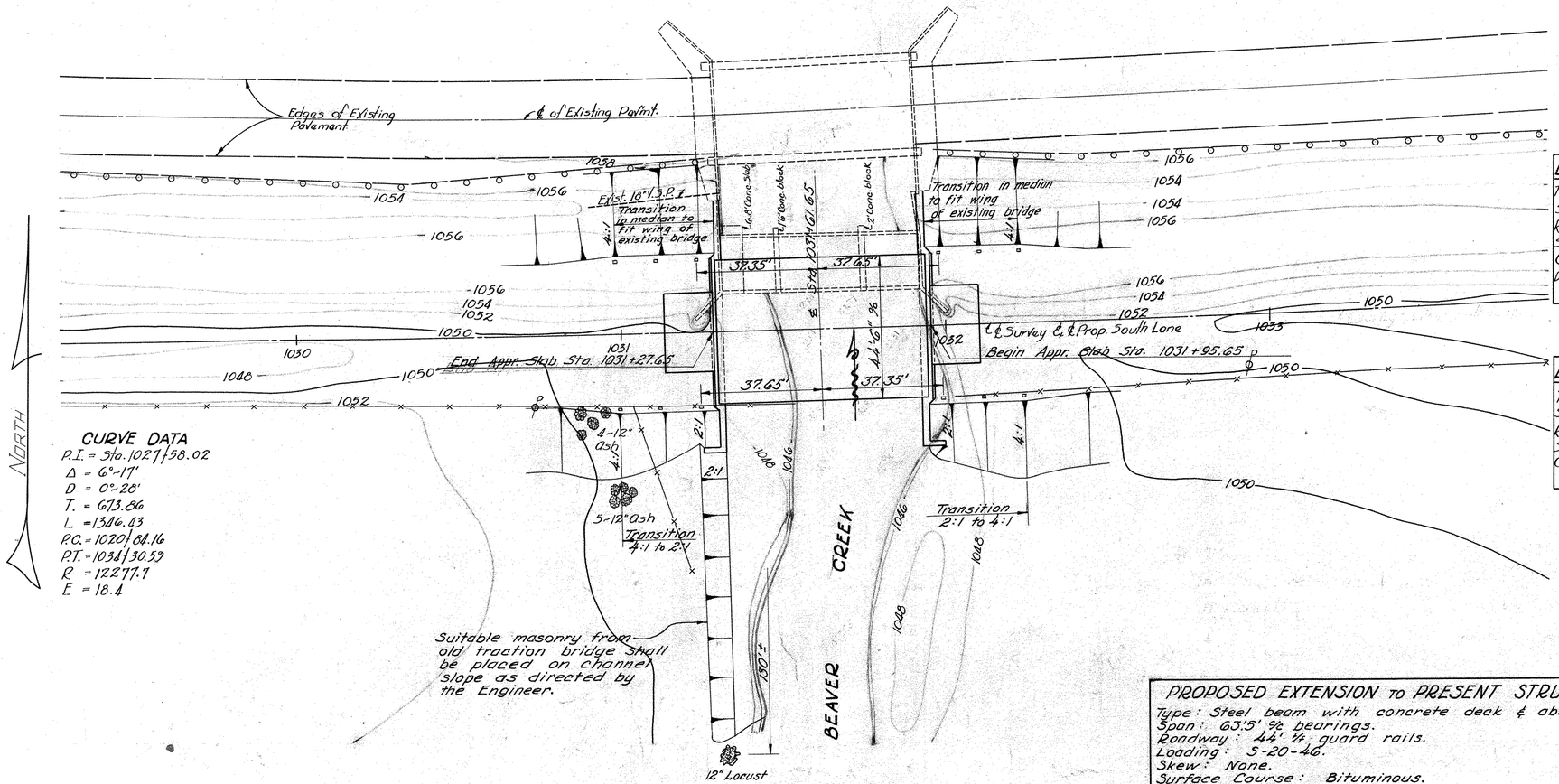
223
227

CLARK COUNTY
CLA. 40-(15.18-23.88)
BRIDGE Nº CL-40-196
OVER BEAVER CREEK
4.1 MILES EAST OF SPFLD.

BENCH MARKS

B.M. R.R. Spike in Telephone Pole 100' Lt. of Sta. 1019/00 - Elev. = 1046.32.
B.M. N.W. Corner Bridge C.L. 40-196 Lt. of Sta. 1031/30 - Elev. = 1058.40

DRAINAGE AREA 18.35 SQ. MILES



EXISTING HIGHWAY BRIDGE DATA

TYPE ⇌ Plate Girder encased on concrete substructure
SPAN ⇌ 61.4' Loading H-15
ROADWAY ⇌ 27'-3"
SKEW ⇌ 0°-0'
CONDITION ⇌ Good
DATE BUILT ⇌ 1925
(To remain in place)

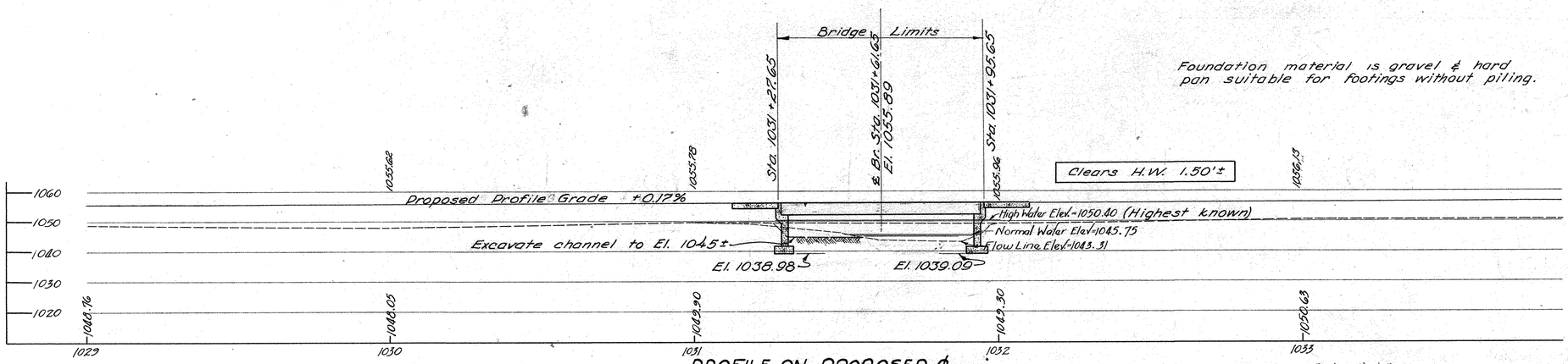
EXISTING TRACTION BRIDGE DATA

TYPE ⇌ Concrete Arch on Conc. Substructure.
SPAN ⇌ 61.4'
ROADWAY ⇌ 16'-0"
SKEW ⇌ 0°-0'
CONDITION ⇌ Poor
(To be Removed)

PROPOSED EXTENSION TO PRESENT STRUCTURE

Type: Steel beam with concrete deck & abutments.
Span: 63.5' ℄ bearings.
Roadway: 44' ℄ guard rails.
Loading: S-20-44.
Skew: None.
Surface Course: Bituminous.
Approach Slabs: As shown.
Alignment: 0°28' Lt. curve.
Superelevation: None.

Foundation material is gravel & hard pan suitable for footings without piling.



PROFILE ON PROPOSED ℄

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

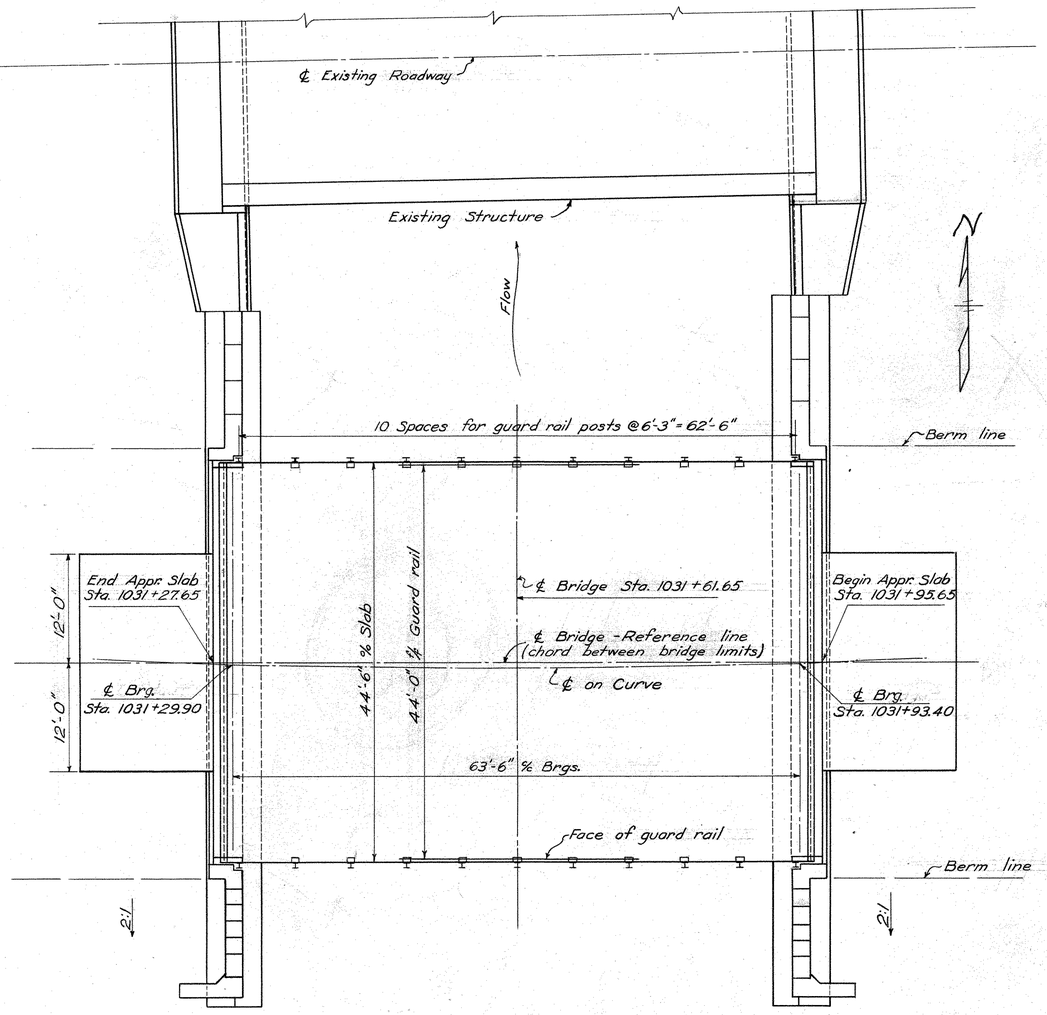
SITE PLAN
BRIDGE Nº CL-40-196
OVER BEAVER CREEK
CLARK COUNTY CLA-40-(15.18-23.88)
Scale 1"=20' F-16(2) Sta. - 1031+61.65

Present Topo		Proposed Topo			
Surveyed	Drawn	Designed	Drawn	Checked	Released
E.P.	R.E.T. H.V.C.	C.H.A.	C.H.A.	C.E.S.	[illegible]

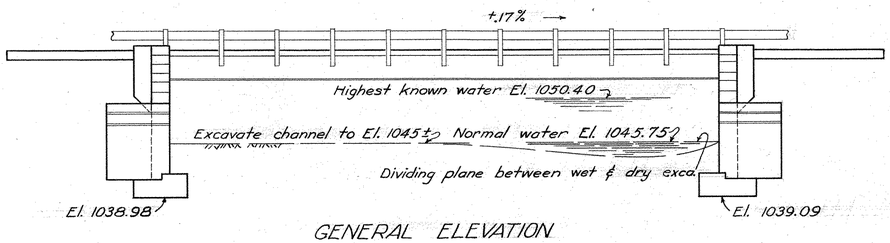
FED. RD. DIV. NO.	STATE	FED. AID PROJECT	TYPE FUNDS
2	OHIO	F-556(7) FG-556(7) F-16(2)	POST WAR

224
227

CLARK COUNTY
S.H. SEC. CLA-40-(15.18-23.88)



GENERAL PLAN



GENERAL ELEVATION

ESTIMATED QUANTITIES

	Item	Total Quan.	Unit	Description	Superstr.	W. Abut.	E. Abut.	General	As Built	
	E-2	Lump	Lump	Cofferdams, cribs & sheeting				Lump		
	E-2	80	Cu. Yd.	Dry excavation		39	41			
	E-2	338	Cu. Yd.	Wet excavation		168	170			
*	E-3	~~700~~	Cu. Yd.	Channel excavation				~~700~~	C-18, +249	649
	S-1	58	Cu. Yd.	Class "C" concrete, superstructure.	58					
	S-1	167	Cu. Yd.	Class "E" concrete, abut. walls.		82	85			
	S-1	87	Cu. Yd.	Class "E" concrete, abut. footings.		43	44			
	S-3	321	Sq. Yd.	Type "C" waterproofing	321					
	S-303	197	Lin. Ft.	Waterproofing, premolded sealing strip		97	100			
	S-4	28,861	Lb.	Reinforcing steel	19016	4865	4964	16		
	S-7	141,194	Lb.	Structural steel	141,194					
	S-8	141,194	Lb.	Field painting of structural steel	141,194					
	S-14	136	Lin. Ft.	Railing (Type I-15.13 with steel posts)	136					
	S-24	Lump	Lump	Removal of existing structure				Lump		
	S-29	99	Cu. Yd.	Porous back fill		49	50			
	T-35	22	Cu. Yd.	Asphaltic conc. surf. course, Type A or C (70-80)	22					

* Contractor will be furnished channel cross sections and payment will be based on field measurement.

GENERAL NOTES

REFERENCE shall be made to Supplemental Specification S-303 dated 12/20/46.

REMOVAL OF EXISTING BRIDGE. Existing abandoned traction bridge shall be removed. Waste masonry to be used as bank protection as directed by the Engineer.

WELDING shall be class "A." Any welds shown as field welds may, at the option of the contractor, be made in the shop.

SURFACE COURSE. 2½ Asphaltic concrete surface course, Item T-35, laid in two 1¼" courses.

BEARING PLATES. Cast leaded bronze sliding plates and sheet lead are included with structural steel for payment.

GUARD RAIL. Field paint for rails & posts shall be same color as railing on approaches.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

GENERAL PLAN & ELEVATION
GENERAL NOTES & ESTIMATED QUANTITIES
BRIDGE NO. CL-40-196
Over Beaver Creek
CLARK COUNTY SEC. CLA-40-(15.18-23.88)
STA. 1031 + 61.65 F-16(2)

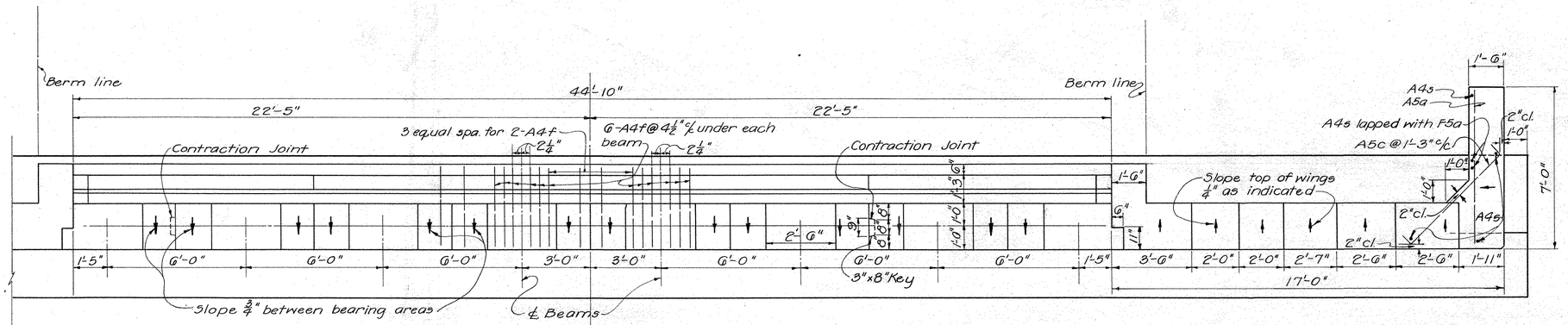
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
H.L.S.	H.L.S.	R.M.M.	E.J.C.	BFG CBJ	10-18-48	11-18-48

Revised As Built J.V.G. 3/26/52

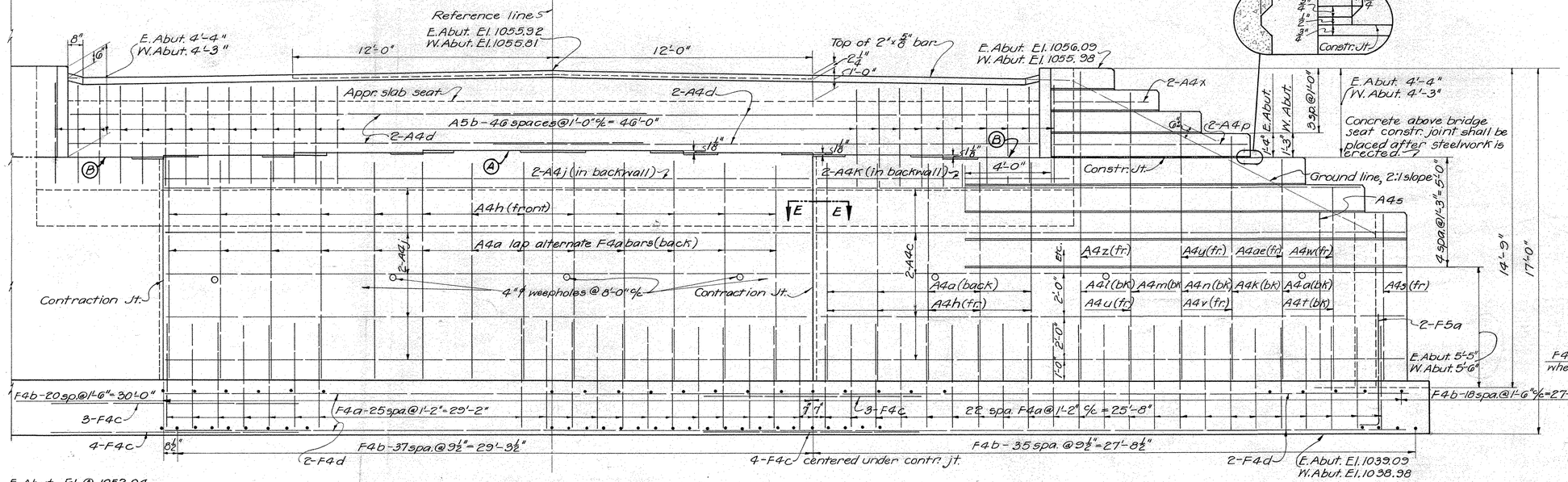
FED. RD. DIV. NO.	STATE	FED. AID PROJECT	TYPE FUNDS
2	OHIO	F-55(17) FG-55(17) F-16(2)	POST WAR

225
227

CLARK COUNTY
S.H. SEC. CLA-40-(15.18-23.88)



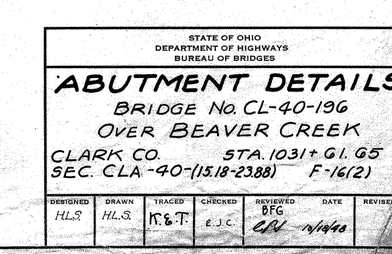
HALF PLAN OF EAST ABUTMENT



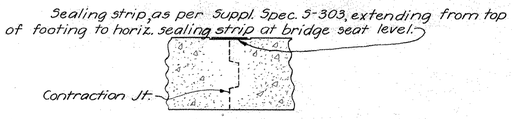
E. Abut. El. Ⓐ 1052.04
W. Abut. El. Ⓐ 1052.01
E. Abut. El. Ⓑ 1051.76
W. Abut. El. Ⓑ 1051.73

HALF ELEVATION OF EAST ABUTMENT

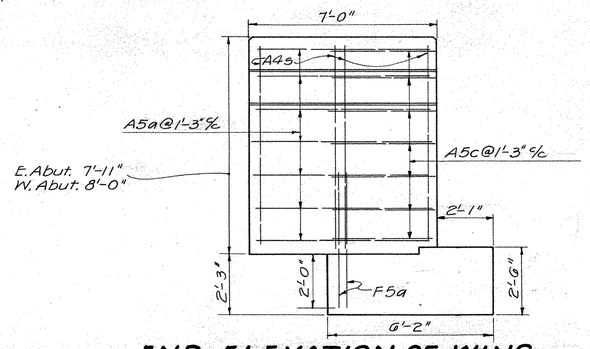
West Abutment Opposite Hand. Same Except As Shown.



SECTION ON ℄



SECTION E-E



END ELEVATION OF WING

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

ABUTMENT DETAILS

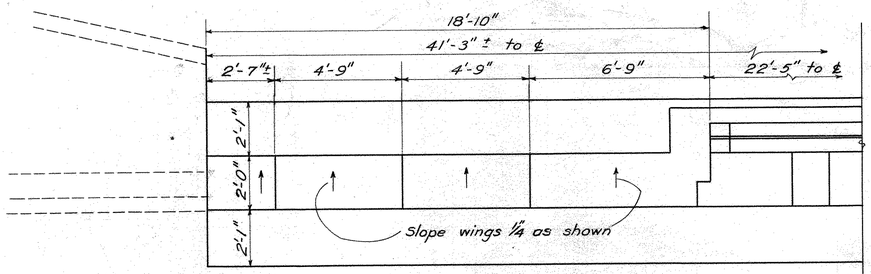
BRIDGE No. CL-40-196
OVER BEAVER CREEK
CLARK CO. STA. 1031+61.65
SEC. CLA-40-(15.18-23.88) F-16(2)

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
H.L.S.	H.L.S.	K.E.T.	E.J.C.	D.F.G. C.P.V.	12/1940	

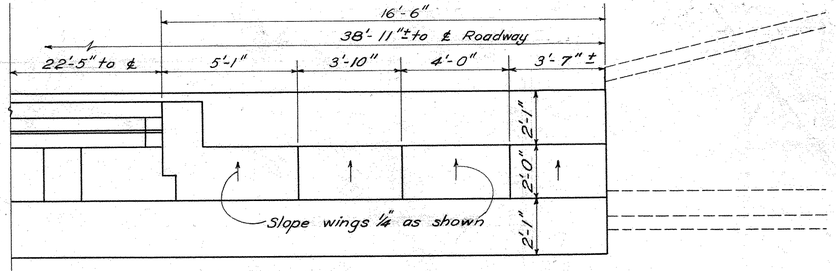
FED. RD. DIV. NO.	STATE	FED. AID PROJECT	TYPE FUNDS
2	OHIO	F-556(7) FG-556(7) F-16(2)	POST WAR

226
227

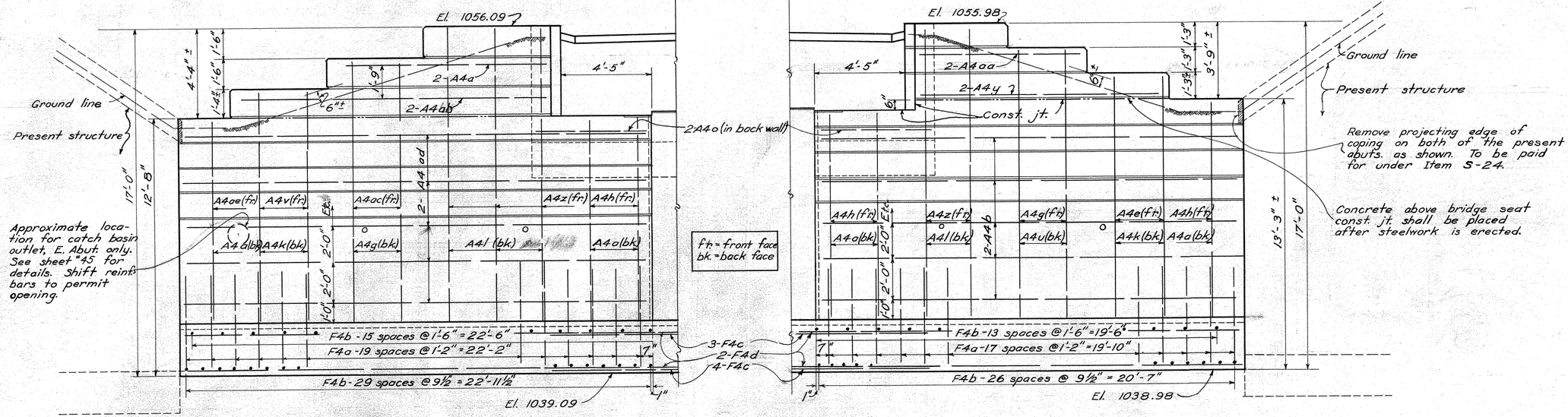
CLARK COUNTY
SEC. CLA-40-(15.18-23.88)



PLAN



PLAN



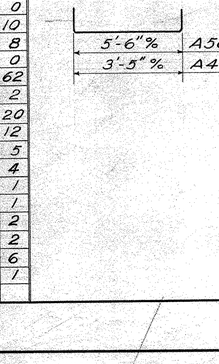
ELEVATION - NORTH WING OF EAST ABUTMENT

ELEVATION - NORTH WING OF WEST ABUTMENT

ABUTMENT REINF. STEEL

Mark	Size	No.	Length	Weight	Shp	W.Abt.	E.Abt.
A5b	¾ø	14	6'-8"	140	S	7	7
A5b	¾ø	94	10'-7"	1494	B	47	47
A5c	¾ø	14	7'-2"	150	B	7	7
A4a	⅜ø	46	10'-2"	488	S	22	24
A4b	⅜ø	10	20'-6"	214	S	10	0
A4d	⅜ø	20	27'-0"	564	S	10	10
A4d	⅜ø	16	24'-8"	412	S	8	8
A4e	⅜ø	2	11'-10"	25	S	2	0
A4f	⅜ø	124	4'-11"	636	B	62	62
A4g	⅜ø	4	13'-1"	54	S	2	2
A4h	⅜ø	41	10'-2"	435	S	21	20
A4j	⅜ø	24	29'-6"	738	S	12	12
A4k	⅜ø	10	11'-6"	120	S	5	5
A4l	⅜ø	7	14'-7"	107	S	3	4
A4m	⅜ø	2	13'-7	28	S	1	1
A4n	⅜ø	2	12'-7"	26	S	1	1
A4o	⅜ø	4	5'-6"	22	S	2	2
A4p	⅜ø	4	19'-0"	38	S	2	2
A4s	⅜ø	12	7'-6"	94	S	6	6
A4t	⅜ø	2	9'-2"	20	S	1	1

Shape



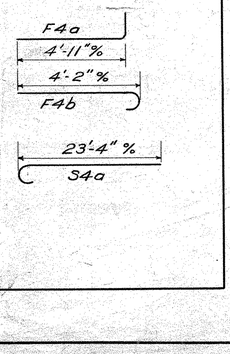
ABUTMENT REINF. STEEL (con.)

Mark	Size	No.	Length	Weight	Shp	W.Abt.	E.Abt.
A4u	5/8ø	4	13'-4"	56	S	3	1
A4v	3/8ø	4	11'-3"	47	S	1	3
A4w	5/8ø	2	8'-11"	18	S	1	1
A4x	5/8ø	4	4'-8"	20	S	2	2
A4y	3/8ø	4	12'-1"	51	S	3	1
A4z	5/8ø	7	14'-4"	105	S	3	4
A4aa	5/8ø	2	8'-11"	17	S	2	0
A4ab	5/8ø	2	15'-5"	32	S	0	2
A4ac	5/8ø	2	12'-10"	27	S	0	2
A4ad	3/8ø	10	22'-10"	238	S	0	10
A4ae	5/8ø	3	9'-10"	30	S	1	2

ABUTMENT

Mark	Size	No.	Length	Weight	Shp	W.Abt.	E.Abt.
F5a	¾ø	4	6'-0"	36	B	2	2
F4a	⅝ø	136	5'-9"	816	B	67	69
F4b	⅝ø	309	4'-9"	1531	B	152	157
F4c	⅜ø	28	10'-0"	292	S	14	14
F4d	⅜ø	24	28'-3"	708	S	12	12
SUPERSTRUCTURE							
S5a	¾ø	208	23'-4"	7290	S		
S4a	⅝ø	222	23'-11"	5538	B		
S4b	⅝ø	178	33'-4"	6188	S		
REPLACEMENT STEEL							
RE5	¾ø	1	6'-6"	10	S		
RE4	⅝ø	1	6'-1"	6	S		

Shape



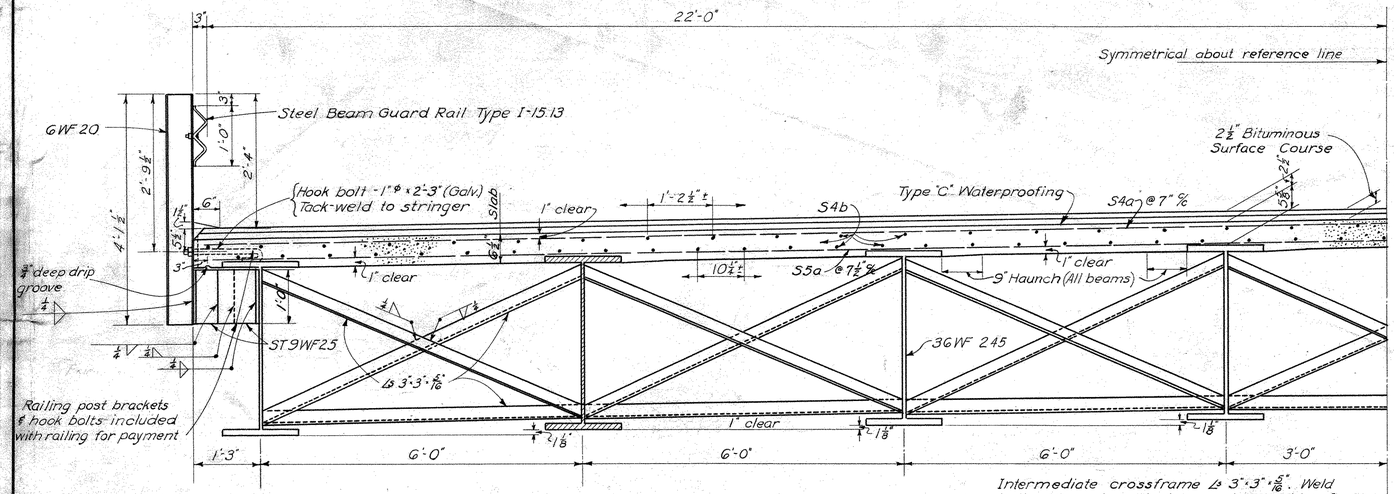
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

ABUTMENT DETAILS
BRIDGE NO. CL-40-196
OVER BEAVER CREEK
CLARK CO. SEC. CLA-40-(15.18-23.88)
STA. 1031 + 61.65
F-16(2)

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
H.L.S.	H.L.S.	R.M.M.	C.J.C.	D.F.G.	10-18-48	

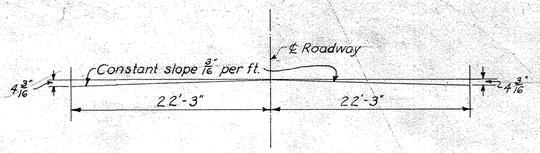
FED. RD. DIV.. NO.	STATE	FED. AID PROJECT	TYPE FUNDS	
2	OHIO	F-556(7) FS-556(7) F-16(6)	POST WAR	227 227

COUNTY CLARK
SEC. CLA-40-(15.18-23.88)

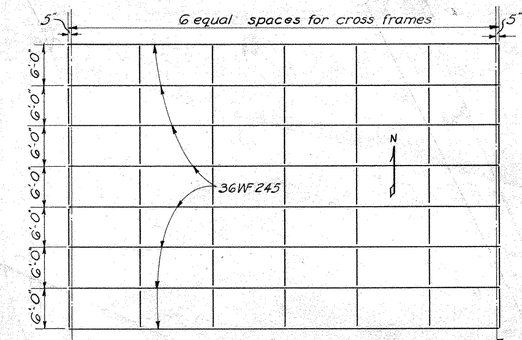


Intermediate crossframe L 3"x3"x⅝". Weld both sides of vertical leg and one side of hor. leg to stringer web with ¼" cont fillet weld.

HALF TYPICAL ROADWAY SECTION

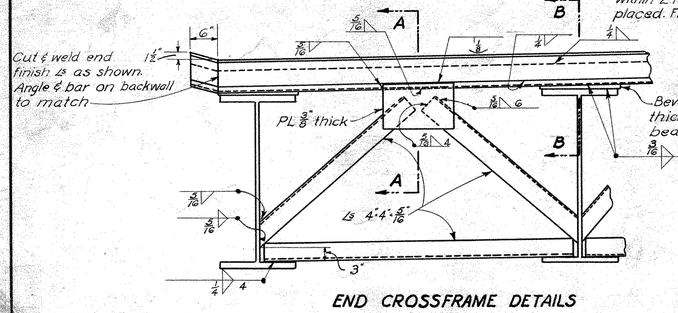


BRIDGE ROADWAY CROWN

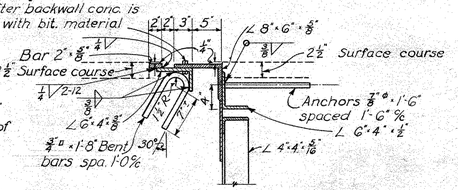


End crossframes = 3L 4"x4"x⅝" Intermediate cross frames 3L 3"x3"x⅝"

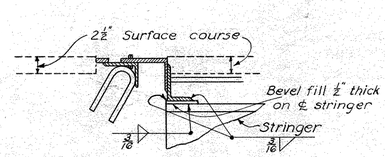
STRUCTURAL PLAN



END CROSSFRAME DETAILS



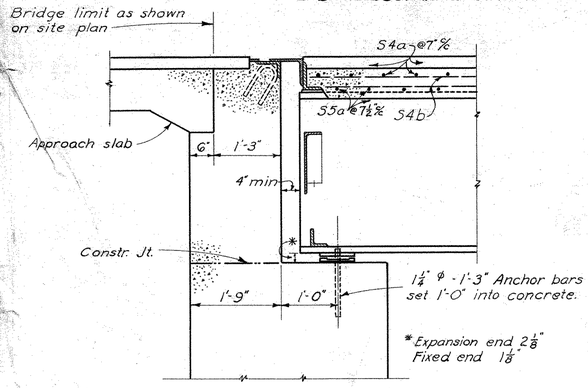
SECTION A-A



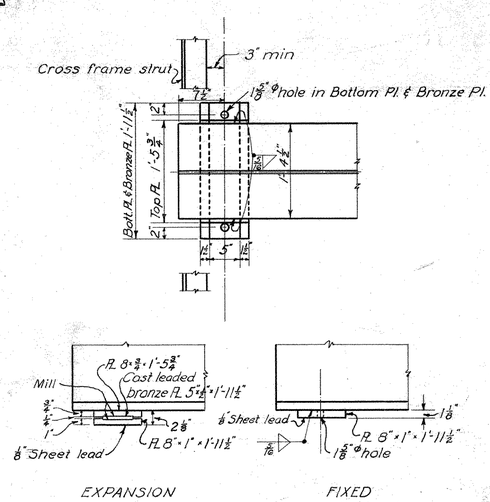
SECTION B-B

Cambering of beams is required in accordance with the following table:

DEFLECTION AND CAMBER LOCATION	All Beams
Deflection due to weight of steel	7/16"
Deflection due to remaining D.L.	3/8"
Required shop camber	13/16"

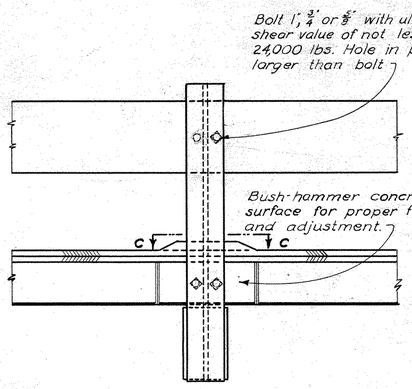


END FINISH SECTION

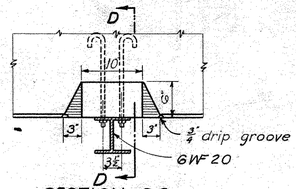


EXPANSION FIXED

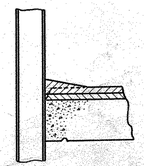
ABUTMENT BEARINGS



ELEVATION OF POST



SECTION C-C



SECTION D-D

NOTE: End finish shall be copper bearing steel. A butt joint in end finish at center line of roadway will be permitted.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

SUPERSTRUCTURE, RAILING AND END FINISH DETAILS
BRIDGE NO. CL-40-196
OVER BEAVER CREEK

CLARK Co. Sect. CLA. 40 (15.18-23.88)
STA. 1031 F-16(12)

DESIGNED	DRAWN	TRACED	CHECKED	APPROVED	DATE	REVISED
H.L.S.	H.L.S.	J.D.J.			10-10-48	

CLARK COUNTY
CLA-40 (15.18 - 23.88)

227.4
227

End Area Cu. Yds.
Cut | Fill Cut | Fill

100	0	135	0	110	0	36	0	78	0	109	0	167	0	0	0				
	52		94		27		53		87		236		63						

Sta. 10+41 — Channel Excavation 672 Cu. Yds. — Sta. 9+00 — Sta. 8+70

10+41
1052.03

10+29
1055.83

10+10
1052.43

10+00
1049.21

9+75
1045.01

9+50
1046.11

9+00
1047.81

Base Line

End Work Sta. 10+41

Begin Work Sta. 8+70

Bridge No. CLA-40-196

Ex. cr. Survey

1031

1032

BEAVER CREEK

9+00

Sta. 10+29.00 on Ex. cr. Survey equals Sta. 8+70.00 on Base Line

Base Line

8+00

SCALE
1" = 50'

1 Sheet

CHANNEL SECTION BRIDGE No. CLA-40-196 STA. 10+41 to