FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-390(9)	

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WAYNE COUNTY
WAY-3-9.94

SEE SHEET 2 FOR DETOUR MAP

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

WAY-3-9.94
WAYNE COUNTY
WOOSTER TOWNSHIP & CITY OF WOOSTER

F-390(9)

FEB 21 1964
GROUND PHOTOLAB

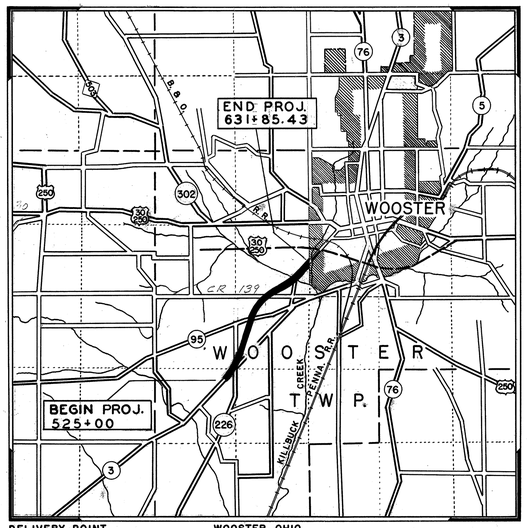
LINE DATA		
	WORK	PROJECT
BEGIN	522+25	525+00
END	632+85.43	631+85.43
LENGTH	11,060.43 LIN. FT.	10,685.43 LIN. FT.
ADDITIONS-LOCAL ROADS	# 4,812.75 LIN. FT.	
NET LENGTH	15,873.18 LIN. FT.	10,685.43 LIN. FT.
	OR 3.006 MILES	OR 2.024 MILES

SEE SHEET NO. 2

CONVENTIONAL SIGNS

TOWNSHIP LINE
SECTION LINE
CENTER LINE
CORPORATION LINE
FENCE LINE
GUARD RAIL - EXIST.
GUARD RAIL - PROPOSED
RAILROAD
ELEC. POWER POLES
TELEPHONE POLES
TREES OR STUMPS - EXIST.

INDEX OF SHEETS



DELIVERY POINT ---------- WOOSTER, OHIO
AVERAGE HAUL FROM SIDING ------- 2.0 MILES

LOCATION MAP

SCALE IN MILES
0 1/2 1 2 3 4

PORTION TO BE IMPROVED
STATE ROADS
OTHER ROADS

SCALES

PLAN	1" = 50'
PROFILE: HORIZONTAL	1" = 50'
PROFILE: VERTICAL	1" = 5'
CROSS SECTIONS	1" = 10'

1959 SPECIFICATIONS

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR OF HIGHWAYS IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE REVISED CODE OF OHIO.

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF HIGHWAYS, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

THE RIGHT OF WAY FOR THIS IMPROVEMENT WILL BE PROVIDED BY THE STATE OF OHIO.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING OF THE HIGHWAY TO TRAFFIC, EXCEPT AS NOTED ON SHEET 12, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED: E. P. Johnson
DATE 9-30-60 DIVISION DEPUTY DIRECTOR

APPROVED: Harry E. Weeper
DATE 3-28-61 DEPUTY DIRECTOR OF PLANNING & PROGRAMMING

APPROVED: D. H. Overman AHF
DATE 12-8-1960 ENGINEER OF BRIDGES

APPROVED: W. Gannon
DATE 12-9-60 ENGINEER OF LOCATION & DESIGN

APPROVED: C. W. McCaughey
DATE 12-9-60 DEPUTY DIRECTOR OF DESIGN & CONSTRUCTION

APPROVED: W. W. Jr. Sinn
DATE 3-21-61 DEPUTY DIRECTOR OF RIGHT-OF-WAY

APPROVED: J. M. Berry
DATE 3-28-61 FIRST ASSISTANT DIRECTOR

APPROVED: C. A. Preston
DATE 3-28-61 DIRECTOR OF HIGHWAYS

FEB 21 1964
GROUND PHOTOLAB

SUPPLEMENTAL SPECIFICATIONS	
S-101	12-2-59
18	R. 6.-15-59
S-307	8-23-60

Sheets 136, 137, 138, 139, 140 & 142 revised 6-1-61.
Sheets 140 & 141 revised 6-28-61.
Sheets 136, 137 & 140 revised 8-22-61.

Revised participation in guard rail and fence as shown on sheets 2, 13 & 34.
REV. 7-18-61. R.E.G.

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:

DIVISION ENGINEER ____ DATE

REV. 3-21-61

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS									
DR-1	1-3-55	I-8 MH. NO. 1	1-26-59	L-3	4-1-50	AS-1-54	12-1-54		
G-7.07	6-1-56	I-12	7-1-54	L-3-A	4-1-50	AR-1-57	2-2-59		
I-1, 2, 3, 4 & 5	4-24-58	I-14 G	1-22-52	R I-1	7-15-58	RB-1-55	2-2-59		
I-8 C.B.-2-2A & B	3-2-59	I-15 NO. 1	5-21-59	S-27-P.C.-3	2-20-45	CSB-2-56 1 2 & 3 OF -6	2-2-59		
I-8 C.B.-2-3 & 2-4	1-26-59	I-15 NO. 2	8-17-60	S-27-P.C.-4	1-4-54	F-1	9-1-59		
I-8 C.B.-NO. 6	1-26-59	I-15 NO. 2A	8-17-60	T-35	1-2-56	F-3	9-1-59		
I-8 C.B.-NO. 7	3-11-60					S.P.-53	11-25-58		
L-1	4-1-50	I-21-23	8-1-56						
		I-8 M.H. No. 1-A	1-26-59						

FILE No. 231-W	WAYNE COUNTY, WAY-3-9.94
	DATE OF LETTING ----------
	CONTRACT No. ----------

PREPARED BY
SHAFFER, PARRETT AND ASSOCIATES
CONSULTING ENGINEERS
MANSFIELD OHIO WOOSTER

FED. RD. DIVISION	STATE	PROJECT	

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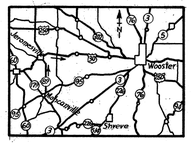
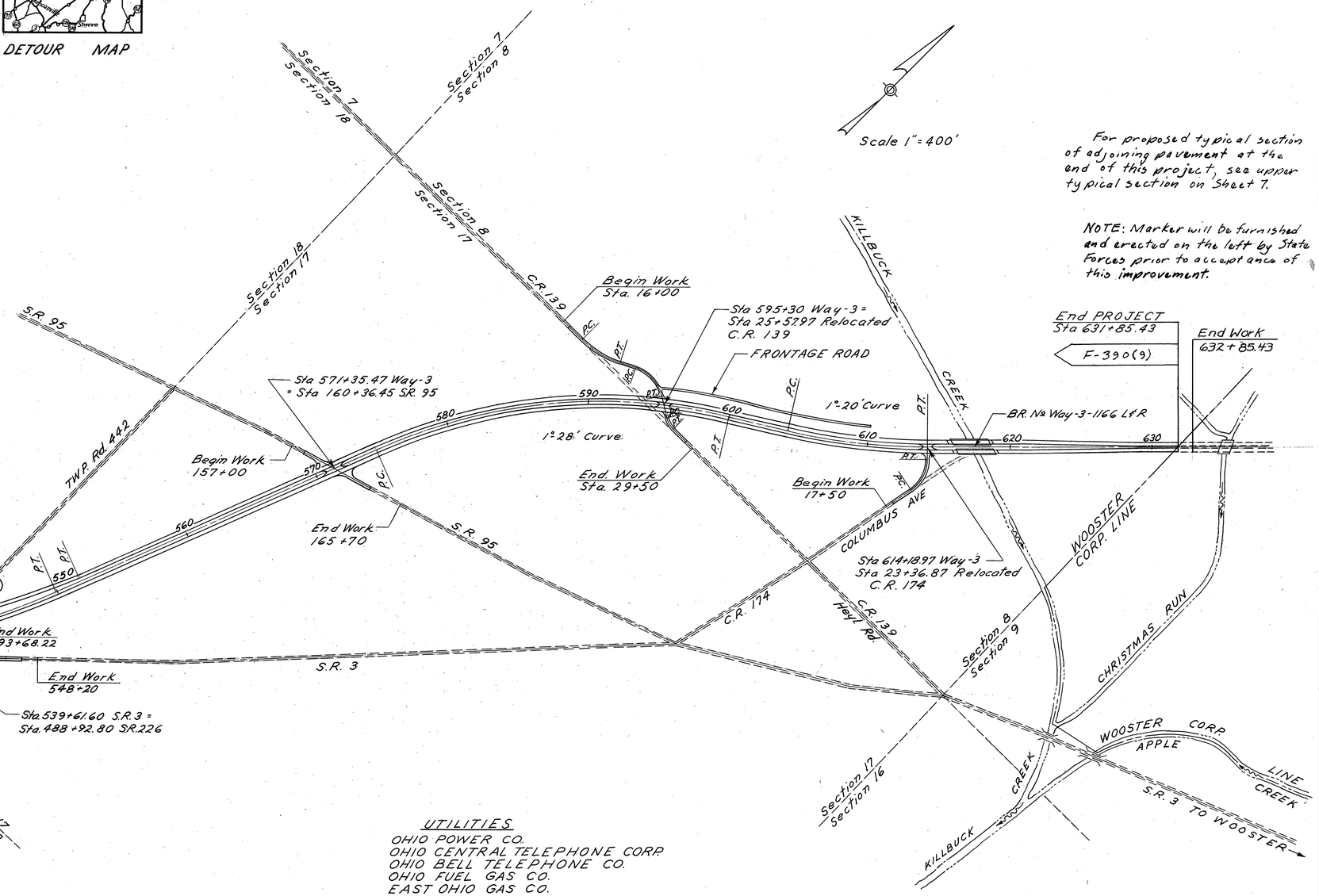
WAYNE COUNTY
WAY-3-9.94

LINE DATA FOR APPROACHES

S.R. 3	
Begin Work Sta. 534+26.98	
End Work Sta. 548+20	
Net Length of Work	1,393.02 Lin. Ft.
S.R. 226	
Begin Work Sta. 484+50	
End Work Sta. 493+68.22	
Deduct S.R. 3 Pavt. 32.32 Lin. Ft.	
Deduct Way 3 Pavt. N.B. 24.20 Lin. Ft.	
Net Length of Work	861.70 Lin. Ft.
S.R. 95	
Begin Work Sta. 157+00	
End Work Sta. 165+70	
Deduct Way 3 Pavt. 111.02 Lin. Ft.	
Net Length of Work	758.98 Lin. Ft.
C.R. 139	
Begin Work Sta. 16+00	
End Work Sta. 29+50	
Deduct Way 3 Pavt. 93.82 Lin. Ft.	
Net Length of Work	1,256.18 Lin. Ft.
C.R. 174	
Begin Work Sta. 17+50	
End Work Sta. 22+92.87	
Net Length of Work	542.87 Lin. Ft.
Total Length of Work	4,812.75 Lin. Ft.



DETOUR MAP



BEGIN PROJECT
Sta 525+00
F-390(9)

NOTE: Marker will be furnished and erected on the right by State Forces prior to acceptance of this improvement.

For typical section of existing pavement adjoining the beginning of this project see Sheet 23.

For proposed typical section of adjoining pavement at the end of this project, see upper typical section on Sheet 7.

NOTE: Marker will be furnished and erected on the left by State Forces prior to acceptance of this improvement.

UTILITIES

OHIO POWER CO.
OHIO CENTRAL TELEPHONE CORP.
OHIO BELL TELEPHONE CO.
OHIO FUEL GAS CO.
EAST OHIO GAS CO.
BUCKEYE PIPE LINE CO.

LIMITED FEDERAL PARTICIPATION

1. Item 55-18 Fence, Federal participation limited to the following locations:
   (a) On the right between Sta. 563+00 and Sta. 571+25
   (b) On the right between Sta. 590+00 and Sta. 594+75
2. Item I-15 Guard Rail, Federal participation as noted on sheet 34.

REV. 7-18-61. R.E.G.

SCHEMATIC LAYOUT PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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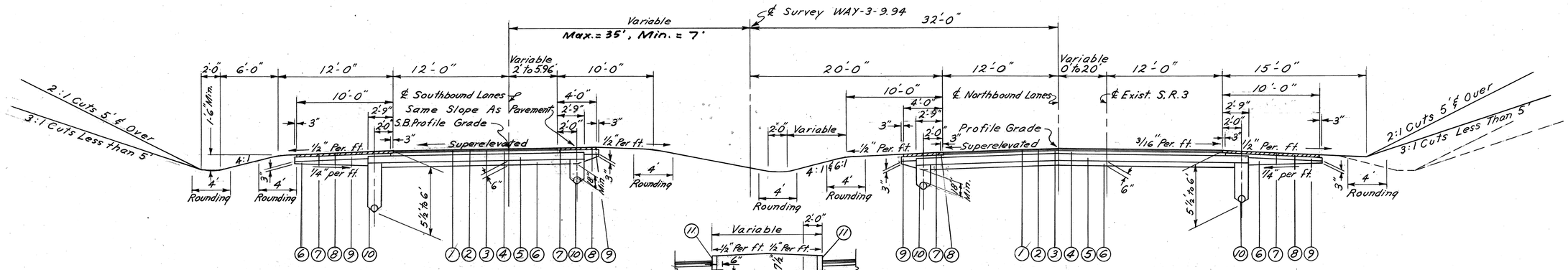
WAYNE COUNTY
WAY-3-9.94

TYPICAL SECTIONS

TYPE T-35 ON B-20

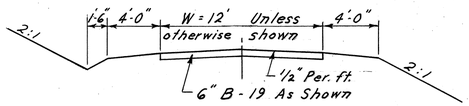
SCALE : $\frac{3}{16}$" = 1'-0"



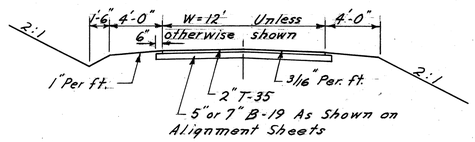
LIMITING STATIONS
STA. 529+44.95 TO STA. 533+02.69 S.B.

STA. 529+61 TO STA. 530+40 ℄ SURVEY

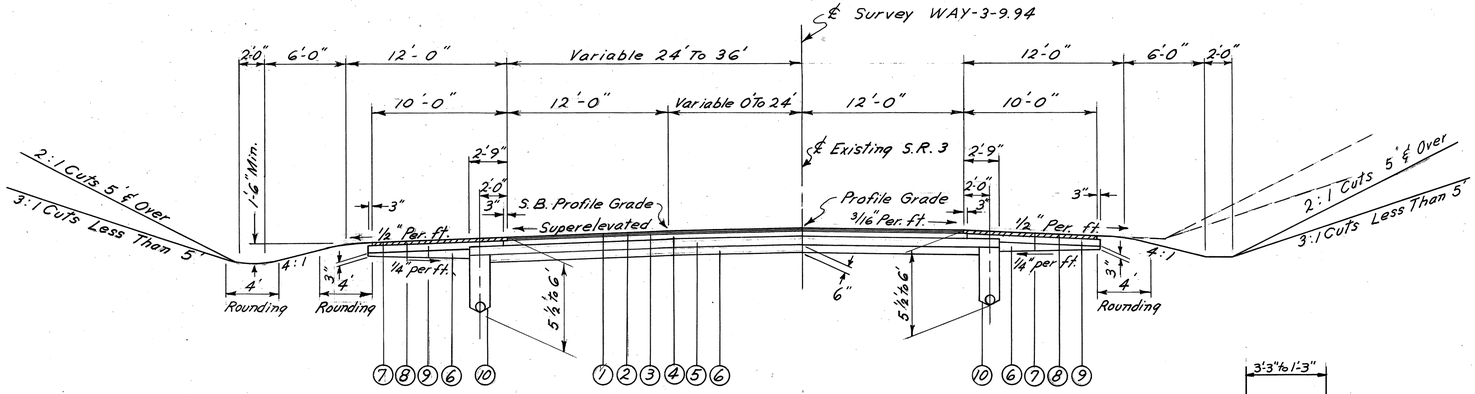
LIMITING STATIONS
STA. 529+56.08 TO STA. 534+22.90 N.B.



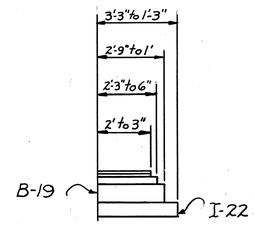
TYPICAL AGGREGATE DRIVE SECTION



TYPICAL DRIVE SECTION T-35 ON B-19



LIMITING STATIONS
STA. 525+00 TO STA. 529+56.08 N.B.
STA. 529+44.95 S.B.



LIMITING STATIONS
STA. 523+50 TO 525+00

SCALE = $\frac{3}{8}$" = 1'-0"

LEGEND

① ℄ T-35 1¼" Asphaltic Concrete Surface Course Type C (70-85)
② ℄ B-35 1¼" Asphaltic Concrete Leveling Course (70-85)
③ ℄ B-35 3" Asphaltic Concrete Base Course (70-85)
④ T-30 Bituminous Prime Coat Using 0.40 Gal. per Sq. Yd. Sec. M-5.7 RT-2 or RT-3
⑤ B-20 8" Water bound Macadam Base Course Using No. 2 Coarse Aggregate

℄ Thicknesses shown are "designed" thicknesses as described in Sections T-35.01 and B-35.01.

LEGEND

⑥ I-22 Subbase Grading A or B Variable Thickness (See Note on Sheet No 12)
⑦ T-31 Bituminous Surface Treatment (See Proposal Note)
⑧ B-33 3" Bituminous Macadam Base Course
⑨ I-18 5" Stabilized Crushed Aggregate Shoulders
⑩ I-4 6" Pipe Underdrains
⑪ I-12 Standard Type 6 Curb

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
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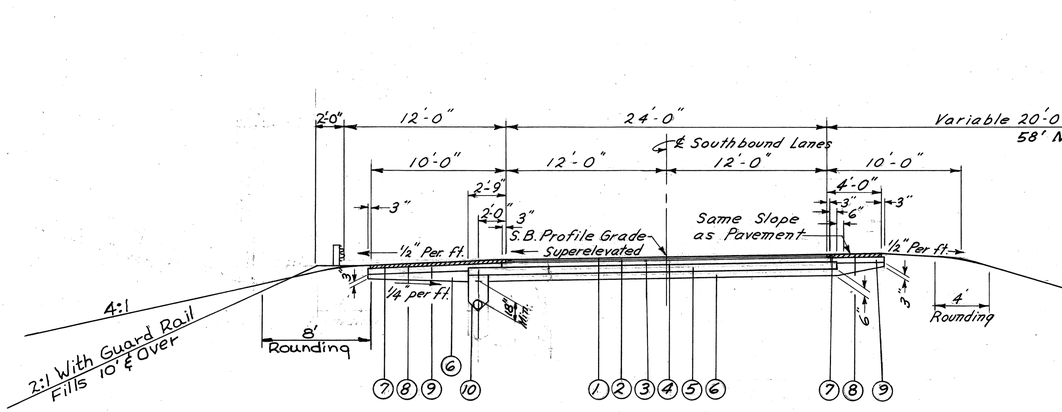
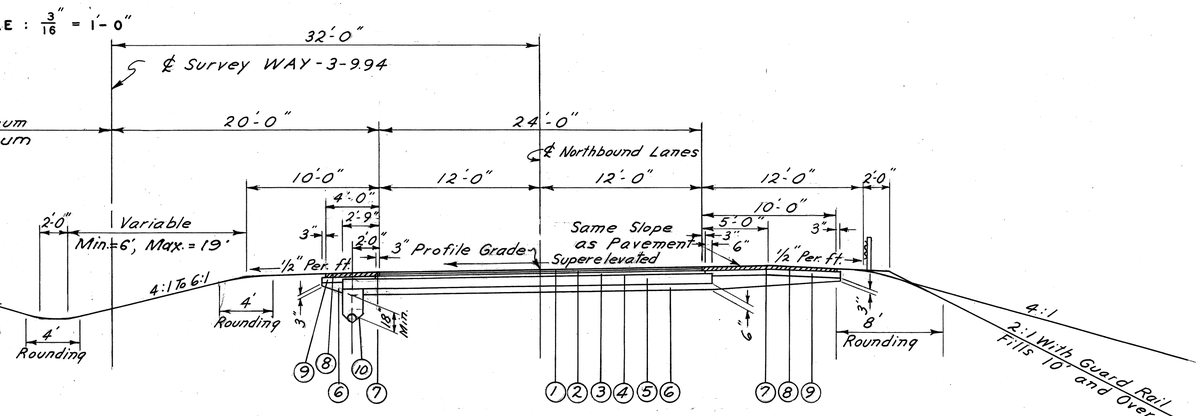
TYPICAL SECTIONS

TYPE T-35 ON B-20

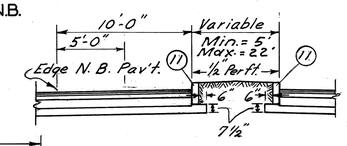
SCALE : $\frac{3}{16}$" = 1'-0"



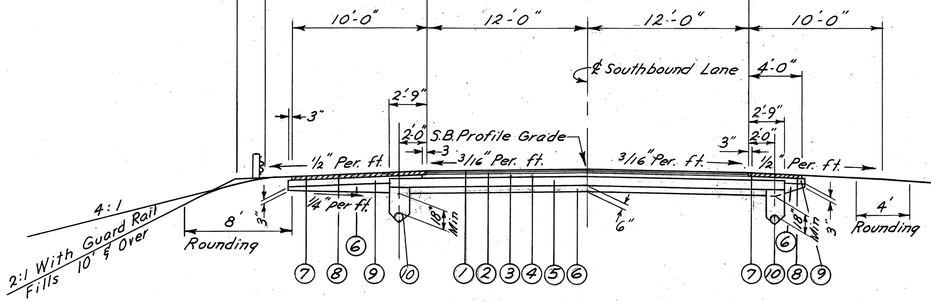
LIMITING STATIONS
STA. 540+51.25 TO STA. 551+53.76 S.B.=
STA. 551+70.21 N.B.



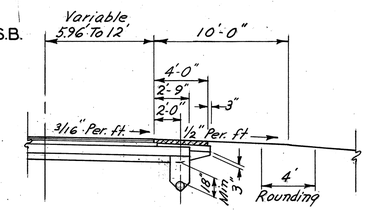
LIMITING STATIONS
STA. 541+40 TO STA. 549+93.86 N.B.



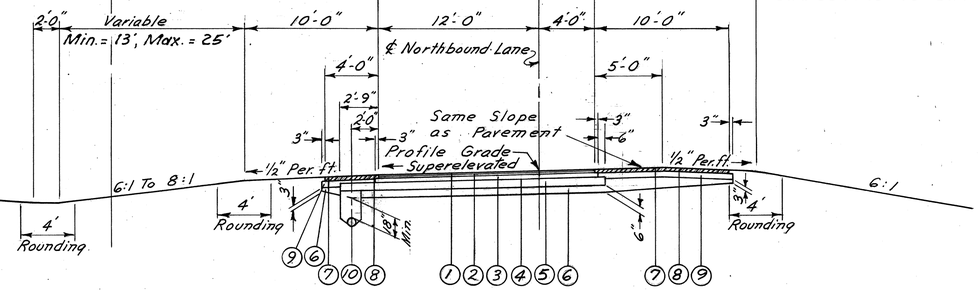
STA. 534+49 TO STA. 535+70



LIMITING STATIONS
STA. 533+02.69 TO STA. 540+51.25 S.B.



LIMITING STATIONS
STA. 533+02.69 TO STA. 535+44.95 S.B.



LIMITING STATIONS
STA. 534+22.90 TO STA. 541+40 N.B.

LEGEND

① ℄T-35 1¼" Asphaltic Concrete Surface Course Type C(70-85)
② ℄B-35 1¼" Asphaltic Concrete Leveling Course (70-85)
③ ℄B-35 3" Asphaltic Concrete Base Course (70-85)
④ T-30 Bituminous Prime Coat Using 0.40 Gal. per Sq. Yd.
Sec. M-5.7 RT-2 or RT-3
⑤ B-20-8" Waterbound Macadam Base Course
Using No. 2 Coarse Aggregate

℄ Thicknesses shown are "designed" thicknesses as described in Sections T-35.01 and B-35.01.

LEGEND

⑥ I-22 Subbase Grading A or B Variable Thickness
⑦ T-31 Bituminous Surface Treatment (See Proposal Note)
⑧ B-33 3" Bituminous Macadam Base Course
⑨ I-18 5" Stabilized Crushed Aggregate Shoulders
⑩ I-4 6" Pipe Underdrains
⑪ I-12 Standard Type 6 Curb

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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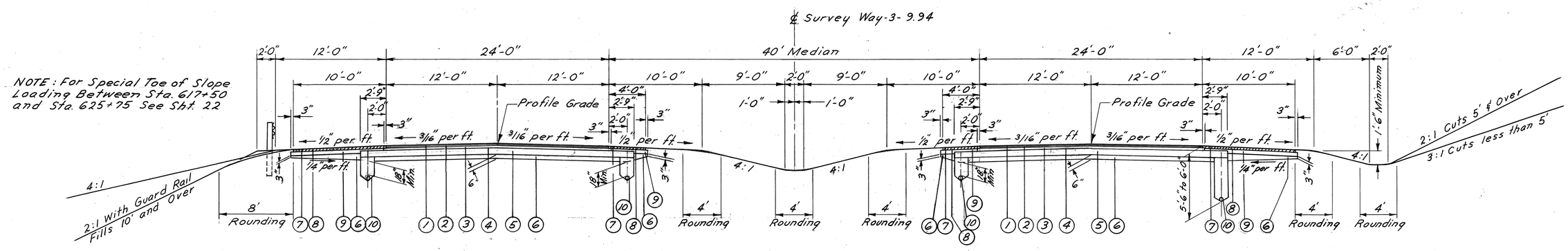
WAYNE COUNTY
WAY-3-9.94

TYPICAL SECTIONS

TYPE T-35 ON B-20

SCALE: $\frac{3''}{16} = 1'-0''$



NORMAL SECTION

STATIONING SCHEDULE

STA. 562+00 TO STA. 574+58.99
STA. 599+95.92 TO STA. 604+18.76
STA. 614+18.97 TO STA. 619+54.44

SUPERELEVATED SECTION

STATIONING SCHEDULE

STA. 574+58.99 TO STA. 576+00
STA. 595+50 TO STA. 599+95.92
STA. 604+18.76 TO STA. 614+18.97

LEGEND

(1) ≠ T-35 1¼" Asphaltic Concrete Surface Course Type C (70-85)
(2) ≠ B-35 1¼" Asphaltic Concrete Leveling Course (70-85)
(3) ≠ B-35 3" Asphaltic Concrete Base Course (70-85)
(4) T-30 Bituminous Prime Coat Using 0.40 Gal. per Sq. Yd. Sec. M-5.7 RT-2 or RT-3
(5) B-20 8" Waterbound Macadam Base Course Using No. 2 Coarse Aggregate

≠ Thicknesses shown are "designed" thicknesses as described in Sections T-35.01 and B-35.01.

LEGEND

(6) I-22 Subbase Grading A or B Variable Thickness
(7) T-31 Bituminous Surface Treatment (See Proposal Note)
(8) B-33 3" Bituminous Macadam Base Course
(9) I-18 5" Stabilized Crushed Aggregate Shoulders
(10) I-4 6" Pipe Underdrains

FED. RD. DIVISION	STATE	PROJECT	
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WAYNE COUNTY
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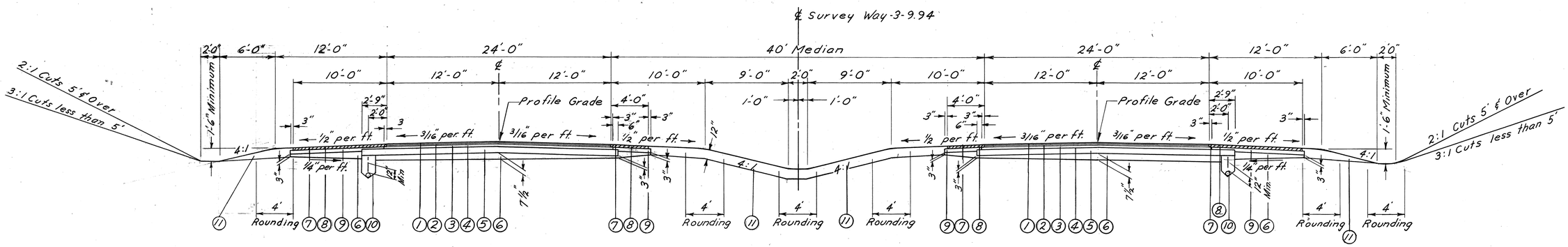
TYPICAL SECTIONS

ROCK CUT

TYPE T-35 ON B-20

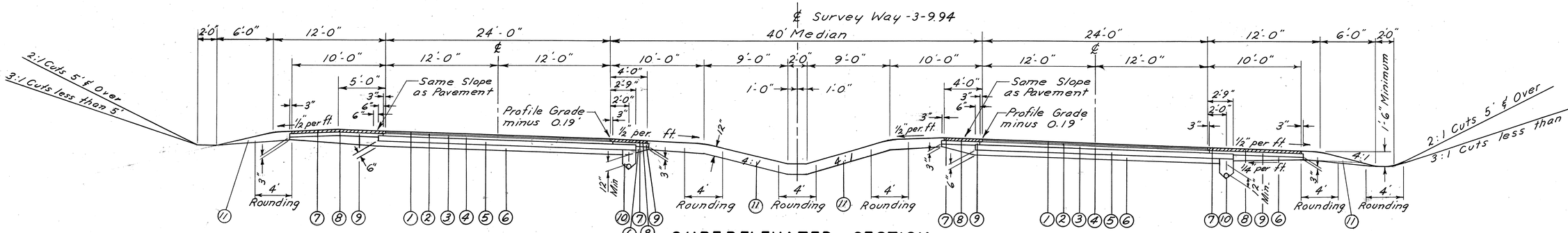
SCALE: $\frac{3}{16}$" = 1'-0"



NORMAL SECTION

~~APPROX.~~ STATIONING SCHEDULE

STA. 550+50 TO STA. 562+00



SUPERELEVATED SECTION

~~APPROX~~ STATIONING SCHEDULE

STA. 576+00 TO STA. 595+50

LEGEND

① ℄T-35 1¼" Asphaltic Concrete Surface Course Type C (70-85)
② ℄B-35 1¼" Asphaltic Concrete Leveling Course (70-85)
③ ℄B-35 3" Asphaltic Concrete Base Course (70-85)
④ T-30 Bituminous Prime Coat Using 0.40 Gal. per Sq. Yd. Sec. M-5.7 RT-2 or RT-3
⑤ B-20 8" Waterbound Macadam Base Course Using No. 2 Coarse Aggregate

℄ Thicknesses shown are "designed" thicknesses as described in Sections T-35.01 and B-35.01.

LEGEND

⑥ I-22 Subbase Grading A or B Variable Thickness
⑦ T-31 Bituminous Surface Treatment (See Proposal Note)
⑧ B-33 3" Bituminous Macadam Base Course
⑨ I-18 5" Stabilized Crushed Aggregate Shoulders
⑩ I-4 6" Pipe Underdrains
⑪ L-3 Placing Stockpiled Topsoil

FED. RD. DIVISION	STATE	PROJECT	
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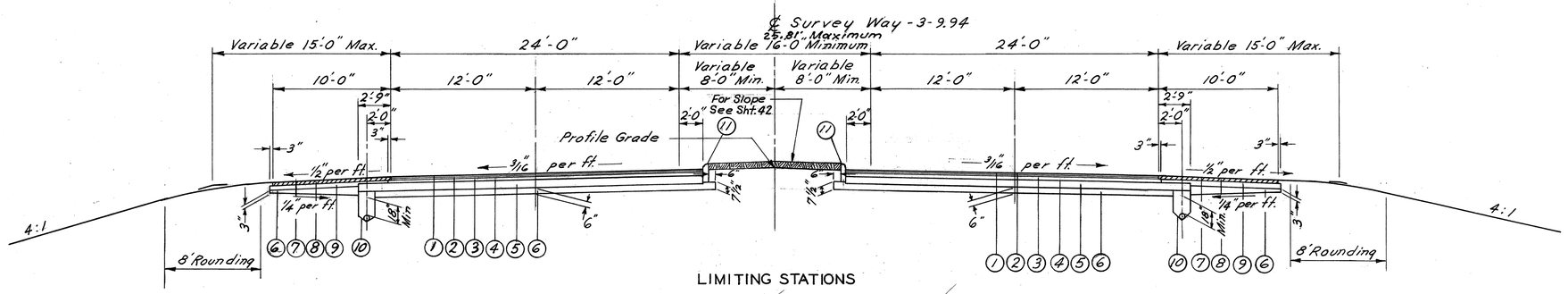
WAYNE COUNTY
WAY-3-9.94

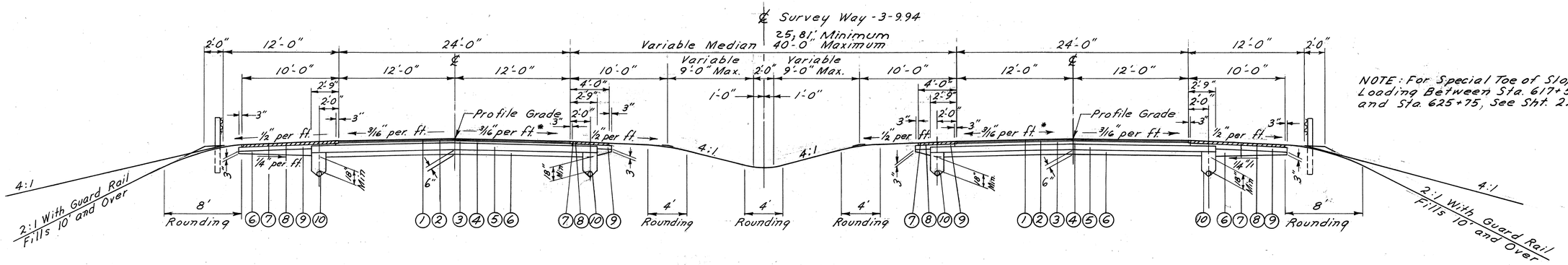
TYPICAL SECTIONS

TYPE T-35 ON B-20

SCALE : $\frac{3}{16}$" = 1'-0"



LIMITING STATIONS
STA. 627+75 TO STA. 631+85.43



NOTE: For Special Toe of Slope Loading Between Sta. 617+50 and Sta. 625+75, See Sht. 22

LIMITING STATIONS
STA. 619+54.44 TO STA. 627+75

* As Per Plan or - See Median Transition Detail Sheet For Pr't Transition elevation

LEGEND

1. ♯T-35 1¼" Asphaltic Concrete Surface Course Type C (70-85)
2. ♯B-35 1¼" Asphaltic Concrete Leveling Course (70-85)
3. ♯B-35 3" Asphaltic Concrete Base Course (70-85)
4. T-30 Bituminous Prime Coat Using 0.40 Gal. per Sq. Yd. Sec M-5.7 RT-2 or RT-3
5. B-20 8" Waterbound Macadam Base Course Using No. 2 Coarse Aggregate
6. I-22 Subbase Grading A or B Variable Thickness
7. T-31 Bituminous Surface Treatment (See Proposal Note)
8. B-33 3" Bituminous Macadam Base Course
9. I-18 5" Stabilized Crushed Aggregate Shoulders
10. I-4 6" Pipe Underdrains
11. I-12 Standard Type 6 Curb

♯ Thicknesses shown are "designed" thicknesses as described in Sections T-35.01 and B-35.01.

FED. RD. DIVISION	STATE	PROJECT	
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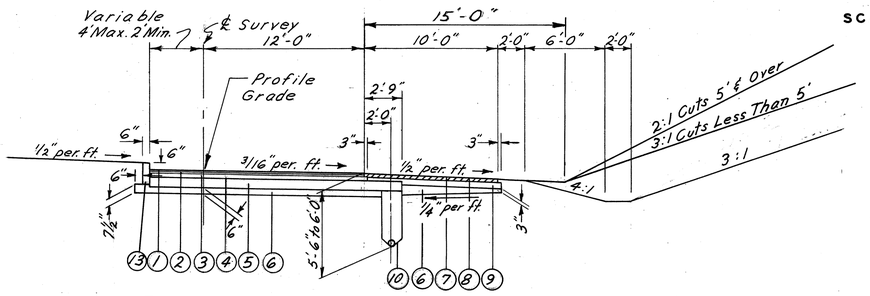
WAYNE COUNTY
WAY-3-9.94

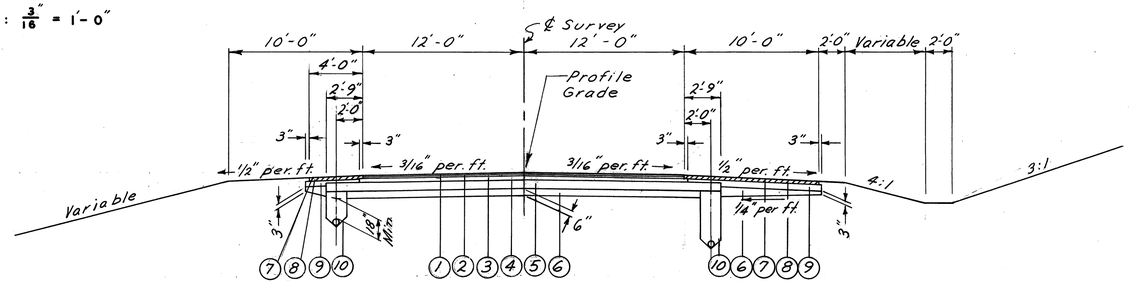
TYPICAL SECTIONS

TYPE T-35 ON B-20

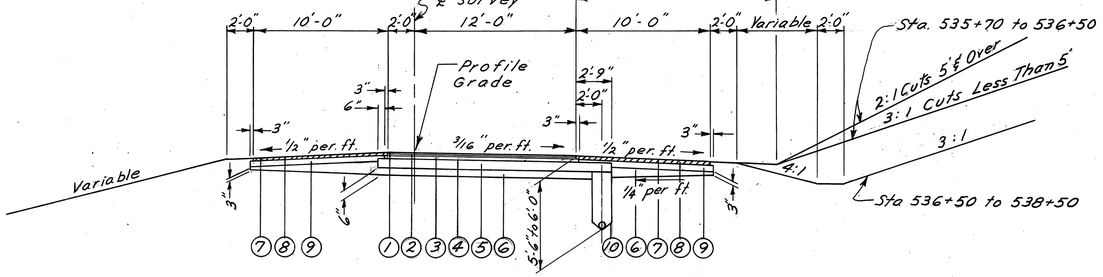
SCALE : $\frac{3}{16}$" = 1'-0"



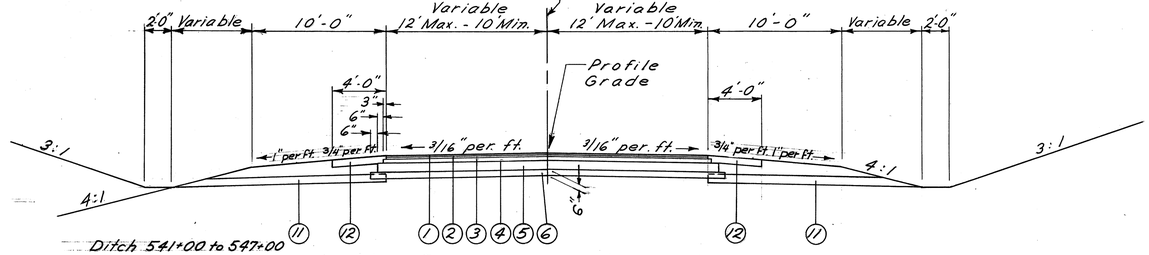
EXISTING
STATE RT. 3
LIMITING STATIONS
STA. 534+26.98 TO STA. 535+70



EXISTING
STATE RT. 3
LIMITING STATIONS
STA. 538+50 TO STA. 539+61.60



EXISTING
STATE RT. 3
LIMITING STATIONS
STA. 535+70 TO STA. 538+50



EXISTING
STATE RT. 3
LIMITING STATIONS
STA. 539+61.60 TO STA. 547+00

LEGEND

① ℄T-35 1 1/4" Asphaltic Concrete Surface Course Type C (70-85)
② ℄B-35 1 1/4" Asphaltic Concrete Leveling Course (70-85)
③ ℄B-35 3" Asphaltic Concrete Base Course (70-85)
④ T-30 Bituminous Prime Coat Using 0.40 Gal. per Sq. Yd. Sec. M5.7 RT-2 or RT-3
⑤ B-20 8" Waterbound Macadam Base Course Using No. 2 Coarse Aggregate

℄ Thicknesses shown are "designed" thicknesses as described in Sections T-35.01 and B-35.01.

⑥ I-22 Subbase Grading A or B Variable Thickness
⑦ T-31 Bituminous Surface Treatment (See Proposal Note)
⑧ B-33 3" Bituminous Macadam Base Course
⑨ I-18 5" Stabilized Crushed Aggregate Shoulders
⑩ I-4 6" Pipe Underdrains
⑪ I-9 Stone Underdrain (No. 2)
⑫ I-18 6" Stabilized Crushed Aggregate Shoulders
⑬ I-12 Standard Type 6 Curb

TYPICAL SECTIONS

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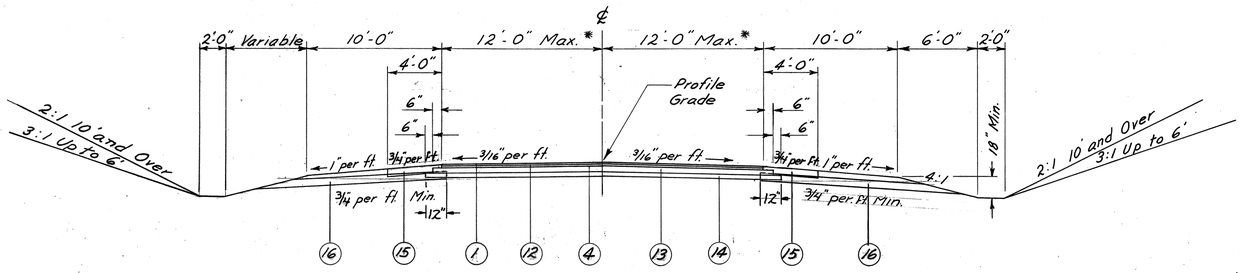
TYPE T-35 ON B-19
TYPE T-35 ON B-20

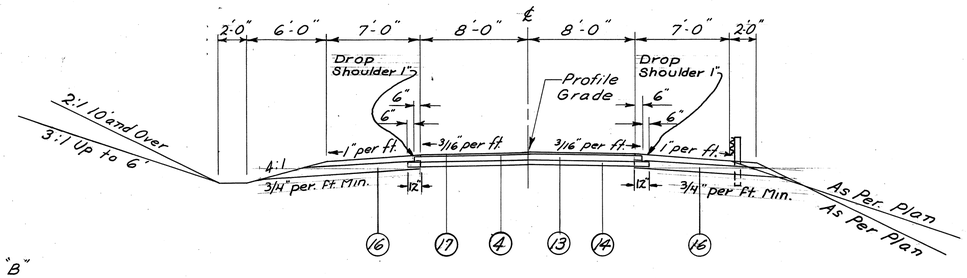
SCALE : $\frac{3}{16}$" = 1'-0"



S. R. 226 & S. R. 95
LIMITING STATIONS

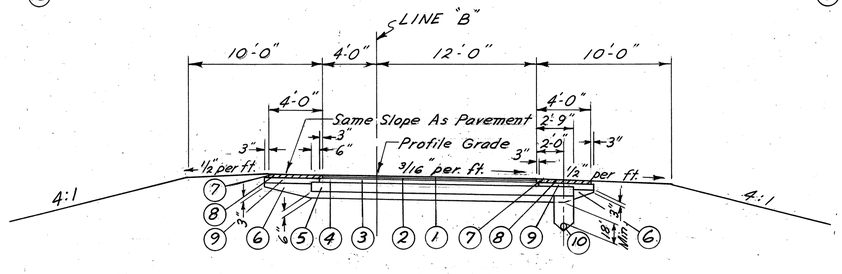
STA. 486+00 TO STA. 488+76.64 S.R. 226
STA. 158+00 TO STA. 159+80.94 S.R. 95
STA. 160+91.96 TO STA. 163+25 S.R. 95

* NOTE: On S.R. #226 pavement width south of the return radii with S.R. #3 will be limited to transition taper. On S.R. #95 pavement width east & west of the return radii with S.R. #3 will be limited to existing width and transition tapers.



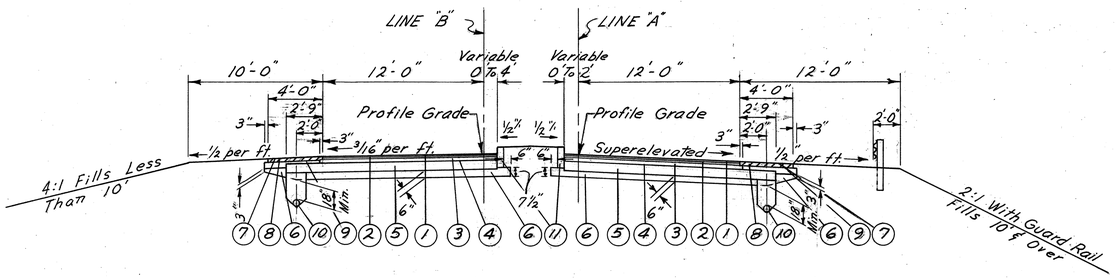
FRONTAGE ROAD
LIMITING STATIONS

STA. 4+73.33 TO STA. 20+25



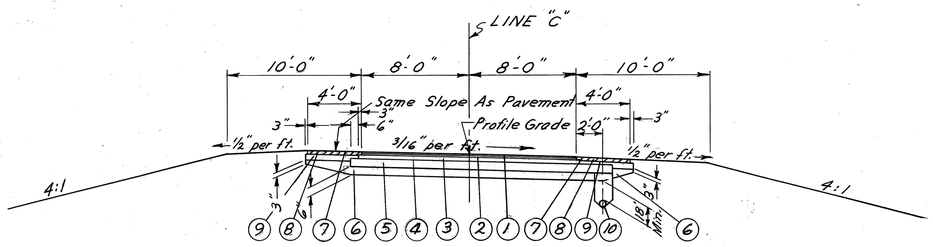
LINE "B"
LIMITING STATIONS

STA. 491+18.2 TO STA. 493+68.22



LINE "A" & LINE "B"
LIMITING STATIONS

STA. 489+08.96 TO STA. 492+38.47 "A"
STA. 489+08.96 TO STA. 490+94 "B"



LINE "C"
LIMITING STATIONS

STA. 0+00 TO STA. 1 + 51
STA. 1+71 TO STA. 2+53.69

LEGEND

≠ (1) T-35 1¼" Asphaltic Concrete Surface Course Type C (70-85)
≠ (2) B-35 1¼" Asphaltic Concrete Leveling Course (70-85)
≠ (3) B-35 3" Asphaltic Concrete Base Course (70-85)
(4) T-30 Bituminous Prime Coat Using 0.40 Gal. per Sq. Yd. Sec. M.5.7 RT 2 or RT 3
(5) B-20 8" Waterbound Macadam Base Course Using No. 2 Coarse Aggregate
(6) I-22 Subbase Grading A or B Variable Thickness
(7) T-31 Bituminous Surface Treatment (See Proposal Note)
(8) B-33 3" Bituminous Macadam Base Course
(9) I-18 5" Stabilized Crushed Aggregate Shoulder
(10) I-4 6" Pipe Underdrains
(11) I-12 Std. Type 6 Curb
≠ (12) B-35 1½" Asphaltic Concrete Leveling Course (70-85)
(13) B-19 5" Aggregate Base Course
(14) I-22 4" Subbase Grading A or B
(15) I-18 6" Stabilized Crushed Aggregate Shoulders
(16) I-9 Stone Underdrains (No. 2)
≠ (17) T-35 1½" Asphaltic Concrete Surface Course Type A (85-100)

≠ Thicknesses shown are "designed" thicknesses as described in Sections T-35.01 and B-35.01.

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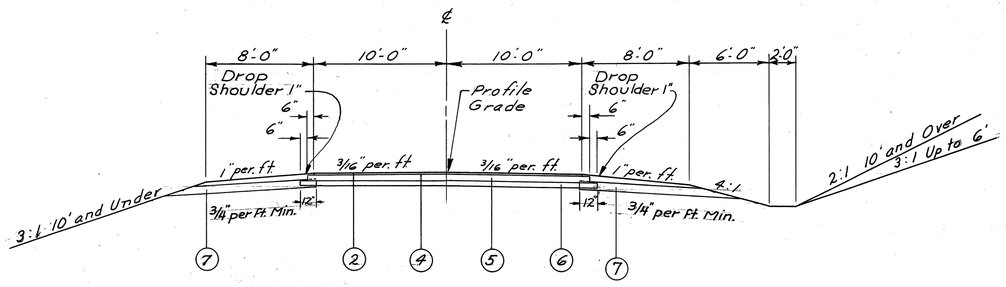
TYPICAL SECTIONS

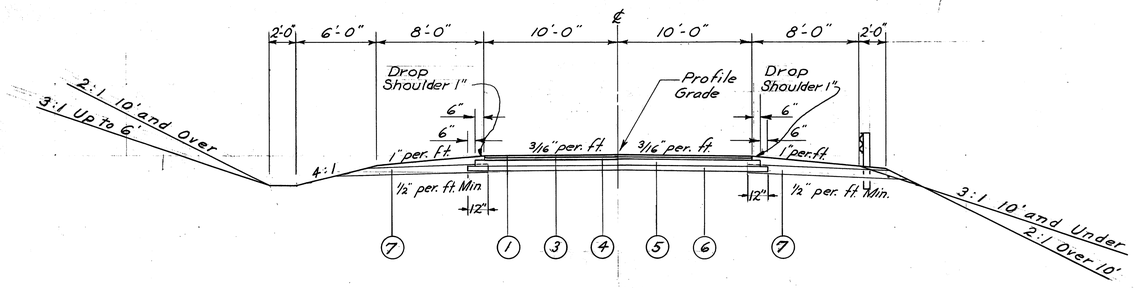
TYPE T-35 ON B-19

SCALE : $\frac{3}{16}$" = 1'-0"



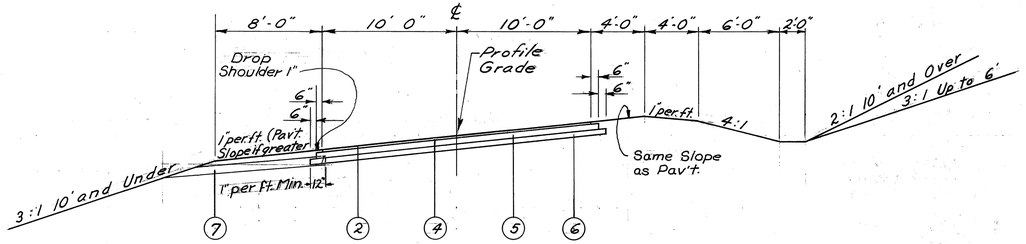
NORMAL SECTION
COUNTY RD. 139
LIMITING STATIONS

STA. 16+50 TO STA. 17+80.40
STA. 20+98.21 TO STA. 22+13.52
STA. 24+98.52 TO STA. 25+11.02
STA. 26+04.84 TO STA. 26+30.79
STA. 27+59.84 TO STA. 28+60



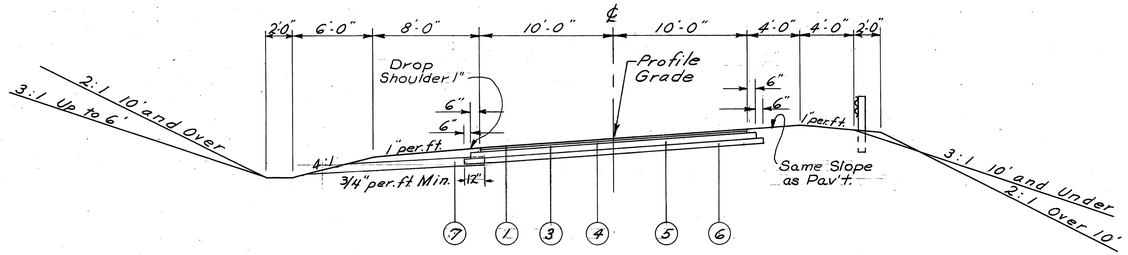
NORMAL SECTION
COUNTY RD. 174
LIMITING STATIONS

STA. 18+00 TO STA. 20+07.50
STA. 22+50.72 TO STA. 22+92.87



SUPERELEVATED SECTION
COUNTY RD. 139
LIMITING STATIONS

STA. 17+80.40 TO STA. 20+98.21
STA. 22+13.52 TO STA. 24+98.52
STA. 26+30.79 TO STA. 27+59.84



SUPERELEVATED SECTION
COUNTY RD. 174
LIMITING STATIONS

STA. 20+07.50 TO STA. 22+50.72

LEGEND

(1) # T-35 1¼ Asphaltic Concrete Surface Course Type "C" (70-85)
(2) # T-35 1½ Asphaltic Concrete Surface Course Type "A" (85-100)
(3) # B-35 1½ Asphaltic Concrete Leveling Course (70-85)
(4) T-30 Bituminous Prime Coat Using Sec. M-5.7 RT. 2 or 3 Applied At The Rate of 0.4 Gal. per Sq. Yd.
(5) B-19 5" Crushed Aggregate Base Course
(6) I-22 4" Subbase
(7) I-9 Stone Underdrain (No. 2)

Thicknesses shown are "designed" thicknesses as described in Sections T-35.01 and B-35.01.

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ROAD NAME

ALL COUNTY, TOWNSHIP, CITY OR VILLAGE ROAD OR STREET NAME SIGNS THAT WILL BE DISTURBED BY THE CONSTRUCTION SHALL BE CAREFULLY REMOVED AND STORED BY THE CONTRACTOR FOR DISPOSAL BY THEIR RESPECTIVE OWNERS. PAYMENT FOR THIS OPERATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ROADWAY EXCAVATION. ITEM E-1

FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE OFFICE FOR THE EXCLUSIVE USE OF THE STATE EMPLOYEES IN ACCORDANCE WITH SEC. S-0.01 (B), HAVING A MINIMUM OF 500 SQUARE FEET OF FLOOR SPACE. THE CONTRACTOR SHALL HAVE A TELEPHONE INSTALLED AND MAINTAINED IN THE FIELD OFFICE DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL ALSO INSTALL WIRING AND OUTLETS SUITABLE FOR CONNECTING TO OFFICE EQUIPMENT, AND PROVIDE 110 VOLT ALTERNATING CURRENT DURING THE CONSTRUCTION OF THIS PROJECT.

DESIGN SPEED

THE GEOMETRICS FOR THIS PROJECT HAVE BEEN PLANNED FOR A DESIGN SPEED OF 60 MILES PER HOUR.

UTILITIES

THE CONTRACTOR SHALL NOTIFY, AT LEAST 48 HOURS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRE, POLES, PIPE, CONDUITS, MANHOLES OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND 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 ON THESE PLANS.

ROUNDING OF CORNERS ON CROSS SECTIONS

THE ROUNDED CORNERS, SHOWN ON STANDARD DRAWING RI-1, AS MODIFIED BY THE TYPICAL SECTIONS APPLY TO ALL CROSS SECTIONS EVEN THOUGH OTHERWISE SHOWN IN THESE PLANS.

R/W MONUMENTS, FEDERAL PROJECT MARKERS AND SECTION MARKERS

EXISTING R/W MONUMENTS, BENCH MARKS, FEDERAL PROJECTS MARKERS AND SECTION MARKERS THAT WILL BE REMOVED BY CONSTRUCTION, SHALL BE PROTECTED BY THE CONTRACTOR AS PER SECTION G-7.09 UNTIL THEY CAN BE WITNESSED, REFERENCED AND RESET BY THE CONSTRUCTION CREW.

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM.

REPLACEMENT

THE CONTRACTOR SHALL REPLACE AT HIS OWN EXPENSE ANY ITEM NOT SPECIFICALLY LISTED FOR REMOVAL THAT IS DAMAGED OR DESTROYED BY HIS OPERATION.

SUPERELEVATION

SUPERELEVATED CURVES SHALL BE BUILT WITHOUT CROWN. THE CROWN SHALL BE WORKED OUT OF THE PAVEMENT IN THE PORTION BETWEEN THE BEGINNING OF THE TRANSITION AND THE POINT WHERE THE SUPERELEVATION EQUALS TWICE THE CROWN.

NON-RIGID PAVEMENT REMOVAL

REMOVAL AND DISPOSAL OF EXISTING NON-RIGID PAVEMENT, UNLESS OTHERWISE INDICATED ON THESE PLANS, SHALL BE MEASURED AND PAID FOR AS ITEM E-1, ROADWAY EXCAVATION.

SUBGRADE COMPACTION FOR DRIVES AND MAIL BOX TURNOUTS

THE SUBGRADE UNDER B-19 MATERIAL USED ON DRIVES AND MAIL BOX TURNOUTS SHALL BE COMPACTED FOR A DEPTH OF 6 INCHES TO THE DENSITY REQUIREMENTS OF TABLE 111 IN ITEM E-1. PAYMENT FOR SUBGRADE COMPACTION AS SPECIFIED ABOVE, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ROADWAY EXCAVATION. ITEM E-1

EXCAVATION FOR ITEM B-19

EXCAVATION FOR B-19 MATERIAL USED ON SIDE ROAD APPROACHES, MAIL BOX TURNOUTS AND DRIVES HAS BEEN INCLUDED IN EARTHWORK QUANTITIES WHEN SAME IS IN "CUT". WHERE SIDE ROAD APPROACHES, MAIL BOX TURNOUTS, AND DRIVES ARE IN "FILL", EXCAVATION FOR B-19 MATERIAL SHALL BE MADE BY THE CONTRACTOR AT HIS OWN EXPENSE IF HE BUILDS THE EMBANKMENT UP TO FINISH GRADE BEFORE PLACING THE B-19 MATERIAL.

PRIVATE DRIVES

THE LOCATION OF RESIDENCE AND FIELD DRIVES MAY BE CHANGED DURING CONSTRUCTION AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE TEMPORARY DRIVES, IF NEEDED, TO ALLOW ACCESS TO ALL PROPERTY OWNERS DURING CONSTRUCTION. QUANTITIES OF COMPACTED SURFACE COURSE, ITEM T-10, AND CALCIUM CHLORIDE, ITEM M-10, HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR MAINTAINING TRAFFIC. THE COST OF PROVIDING THE TEMPORARY DRIVEWAYS SHALL BE INCLUDED IN THE ABOVE ITEMS.

GUARD RAIL REMOVAL

THE REMOVAL OF ANY GUARD RAIL POSTS LYING WITHIN THE LIMITS OF ROADWAY EXCAVATION OR EMBANKMENT (AND NOT SPECIFICALLY PAID FOR UNDER A SEPARATE ITEM) IS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ROADWAY EXCAVATION. ALL RESULTING MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM AT NO EXTRA COST TO THE STATE, EXCEPT THAT THE STEEL RAIL ON ALL EXISTING STEEL BEAM TYPE OR STEEL CABLE ON STEEL CABLE TYPE GUARD RAILS SHALL BE STORED ON THE RIGHT-OF-WAY FOR DISPOSAL BY THE OWNER.

GUARD RAIL ADJUSTMENT

THE STATIONING FOR INDIVIDUAL RUNS OF GUARD RAIL SHALL BE ADJUSTED BY THE ENGINEER AT THE TIME OF CONSTRUCTION TO ACCOMMODATE STANDARD PANEL LENGTHS.

GUARD RAIL ADJACENT TO BRIDGE PARAPET

ONE ADDITIONAL GUARD RAIL POST SHALL BE PROVIDED IN THE CENTER OF EACH PANEL OF GUARD RAIL ADJACENT TO THE PARAPET, PAYMENT FOR WHICH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 1-15 GUARD RAIL.

FLARING GUARD RAIL AT BRIDGES

THE GUARD RAIL SHALL BE FLARED TO MEET THE BRIDGE RAILING IN SCH A MANNER THAT THE CHANGE IN ALIGNMENT SHALL NOT EXCEED 1:20.

HEAVY EQUIPMENT

THE CONTRACTOR SHALL EXERCISE CARE IN THE USE OF HEAVY EQUIPMENT OVER FINISHED WORK AND WILL BE REQUIRED TO REMOVE AND REPLACE ANY COMPLETED WORK DESTROYED THEREBY. CULVERTS SHALL BE BACKFILLED TO A HEIGHT OF FOUR FEET BEFORE LOADED EARTH-MOVING EQUIPMENT IS PERMITTED TO CROSS THE TRENCH. ANY ADDITIONAL FILL AND SUBSEQUENT EXCAVATION REQUIRED TO PROVIDE THIS MINIMUM COVER SHALL BE MADE AT NO ADDITIONAL COST TO THE STATE. HEAVY EQUIPMENT SHALL NOT BE OPERATED OVER ANY COMPLETED LAYER OF EMBANKMENT, COMPACTED SUBGRADE, OR SUBBASE IF SUCH OPERATION TENDS TO DESTROY THE SOIL STRUCTURE OR PIPE UNDERDRAINS; HOWEVER, IF SUCH OPERATION CANNOT BE AVOIDED, THE CONTRACTOR WILL BE REQUIRED TO REDUCE THE SIZE OF LOADS TO AN EXTENT THAT DAMAGE DOES NOT OCCUR.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE STATE OF OHIO MAKES NO GUARANTEES AS TO THEIR ACCURACY OR COMPLETENESS.

CENTER LINE REFERENCE MONUMENTS

MONUMENTS SHALL BE CONSTRUCTED OF CLASS "C" CONCRETE, CAST-IN-PLACE IN A CIRCULAR HOLE 8 INCHES IN DIAMETER AND 44 INCHES IN DEPTH. TOP OF CONCRETE SHALL BE FINISHED AT A DEPTH 2 INCHES BELOW GROUND LEVEL AND THE UPPER 6 INCH PORTION OF THE CONCRETE SHALL BE FORMED. A 16-D NAIL SHALL BE EMBEDDED IN THE WET CONCRETE AS DIRECTED BY THE ENGINEER TO MARK CENTER LINE AND STATION. FOR DETAILS SEE SHEET NO. 144.

ESTIMATED QUANTITIES

SPECIFIC LOCATIONS AND USAGE OF ESTIMATED QUANTITIES SET UP ON THIS PLAN TO BE USED "AS DIRECTED BY THE ENGINEER" SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

LOCATION AND SIZE OF PIPE

THE LOCATION, TYPE, DEPTH AND SIZE OF ALL EXISTING PIPES ARE SHOWN AS NEARLY EXACT AS THE AVAILABLE INFORMATION WILL PERMIT. THE STATE WILL NOT BE RESPONSIBLE FOR ANY VARIATIONS FOUND DURING CONSTRUCTION.

REMOVAL OF ALL EXISTING PIPE

THE REMOVAL OF ALL EXISTING PIPE DRAINS WITHIN THE LIMITS OF PROPOSED EXCAVATION ITEMS, SHALL BE INCLUDED FOR PAYMENT IN THE UNIT PRICES BID FOR THE RESPECTIVE EXCAVATION ITEMS, UNLESS OTHERWISE ITEMIZED IN THE PLANS.

PLUGGING PIPE ENDS

THE UPSTREAM ENDS OF PIPE LINES OR TILE LINES INTERCEPTED BY EARTHWORK OPERATIONS SHALL BE EFFECTIVELY BLOCKED AND COVERED. BROKEN PIECES AND PORTIONS OF PIPE OR TILE SHALL BE REMOVED UNTIL A WHOLE LENGTH IS ENCOUNTERED, WHICH SHALL BE BLOCKED WITH CONCRETE, FLAT STONE OR BRICK LAID IN MORTAR, PRECAST CLAY OR CONCRETE STOPPER. PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN THE PRICE BID FOR ROADWAY EXCAVATION, ITEM E-1.

SEALING OF PIPE JOINTS

WHERE CONNECTIONS ARE MADE BETWEEN RIGID AND FLEXIBLE PIPE SECTIONS OR BETWEEN PIPE SECTIONS OF DIFFERENT KIND OR TYPE OF END FABRICATION, WHETHER REQUIRED BY THE PLANS, ARISING FROM PERMISSIBLE USE OF OPTIONAL MATERIALS, OR ENCOUNTERED IN CONNECTION TO EXISTING FACILITIES, THE JOINT SHALL BE SEALED, IF SEALING IS REQUIRED BY THE SPECIFICATIONS, BY MEANS OF A CLASS "E" CONCRETE COLLAR HAVING A MINIMUM THICKNESS OF 6 INCHES AND A MINIMUM LENGTH OF 12 INCHES. PAYMENT FOR SEALING AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT PIPE ITEM.

PRIVATE SEWER TAPS

THIS PLAN MAKES NO PROVISION FOR CONNECTING, NOR SHALL THE ENGINEER OR CONTRACTOR CONNECT, ANY EXISTING OR NEW PRIVATE DRAINAGE TO THE NEW HIGHWAY DRAINAGE SYSTEM WHEN SUCH PRIVATE DRAINS CARRY EFFLUENT OR DRAINAGE FROM LEACHING BED OUTLETS, CELLAR DRAINS, OR SINK DRAINS, OR POLLUTED WATER OF ANY KIND. CONNECTIONS MAY BE MADE TO THE EXISTING OR NEW HIGHWAY DRAINAGE SYSTEM WHEN THE WATER CARRIED TO THE PROJECT DRAINAGE SYSTEM DOES NOT COME WITHIN THE CATEGORY OUTLINED ABOVE.

ACCEPTABLE WATER INCLUDES FLOW FROM ROOF DRAINS, FIELD DRAINS, AND ENCLOSED NATURAL DRAINAGE SOURCES WHICH WOULD REACH THE ROAD THROUGH NATURAL CHANNELS IF SUCH WATER WAS NOT CONDUCTED ARTIFICIALLY. EXISTING SEWER TAPS WHICH DO NOT CARRY ACCEPTABLE WATER, AS DEFINED ABOVE, SHALL BE PLUGGED AT THE RIGHT-OF-WAY-LINE. PLUGGING SPECIFIED SHALL BE BY MEANS OF CLASS "E" CONCRETE, AND PAYMENT THEREFOR SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM E-1, ROADWAY EXCAVATION. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY, FOR USE AS DIRECTED BY THE ENGINEER, IN MAKING THE ABOVE DESCRIBED CONNECTIONS:

ITEM 1-2	8" CLASS "B" STORM SEWERS	100 LIN.FT.
ITEM 1-5	8" PIPE SPECIALS FOR CLASS "B" STORM SEWERS	5 EACH

FIELD DRAINS

ALL FARM TILES WHICH ARE ENCOUNTERED DURING CONSTRUCTION SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS UNDER THE DIRECTION OF THE ENGINEER. EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS AND WHICH CROSS THE ROADWAY SHALL BE REPLACED WITHIN THE RIGHT-OF-WAY LIMITS BY ITEM 1-2 CLASS "B" STORM SEWERS UNDER PAVEMENT OR APPROACHES. EXISTING COLLECTORS AND ISOLATED FARM TILES WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF THE ROADWAY DITCHES SHALL BE OUTLETTED INTO THE ROADWAY DITCH. THE OPTIMUM OUTLET ELEVATION SHALL BE, IF POSSIBLE, ONE FOOT ABOVE THE FLOW-LINE ELEVATION OF THE DITCH. LATERAL TILE FIELDS WHICH CROSS THE ROADWAY SHALL BE INTERCEPTED BY ITEM 1-3 ROADWAY DRAINAGE AND CARRIED IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING. THE LOCATION, TYPE, SIZE, AND GRADE OF REQUIRED REPLACEMENTS SHALL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION, AND PAYMENT SHALL BE MADE ON FINAL MEASUREMENTS. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

1-2	8"	CLASS B STORM SEWERS UNDER PAVEMENT	500 LIN. FT.
1-2	12"	CLASS B STORM SEWERS UNDER PAVEMENT	300 LIN. FT.
1-3	8"	ROADWAY DRAINAGE	300 LIN. FT.
1-3	12"	ROADWAY DRAINAGE	300 LIN. FT.
1-3	8"	OUTLETS FOR ROADWAY DRAINAGE M 6.4 (c)	100 LIN. FT.
1-3	12"	OUTLETS FOR ROADWAY DRAINAGE M 6.4 (c)	100 LIN. FT.
1-5	8"	PIPE SPECIALS FOR 1-2	5 EACH
1-5	12"	PIPE SPECIALS FOR 1-2	5 EACH
1-5	8"	PIPE SPECIALS FOR 1-3	5 EACH
1-5	12"	PIPE SPECIALS FOR 1-3	5 EACH
1-10		DUMPED ROCK CHANNEL PROTECTION	25 CU.YD.

CONNECTIONS TO EXISTING PIPE

AT PLACES WHERE THE PLANS PROVIDE FOR PROPOSED DRAINAGE PIPE TO BE CONNECTED TO EXISTING PIPES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE, BOTH AS TO LINE AND GRADE, BEFORE HE STARTS TO LAY THE PROPOSED PIPE. THE COST OF THIS OPERATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT PIPE ITEM.

PLACING SOD IN DITCHES

ALL SOD PLACED IN DITCHES SHALL BE LAID WITH THE LONG EDGES OF THE STRIPS PERPENDICULAR TO THE FLOW LINE OF THE DITCH. SUCCESSIVE STRIPS SHALL BE NEATLY MATCHED AND ALL JOINTS STAGGERED OR BROKEN. THE SOD SHALL BE STAKED SECURELY WITH STAKES PLACED ON MAXIMUM TWO (2) FT. CENTERS IN ROWS NOT MORE THAN TWO (2) FEET APART. STAKES IN ADJACENT ROWS SHALL BE STAGGERED. THE STAKES SHALL BE WOOD FROM ½" X ½" X 12" TO 1" X 24", AS REQUIRED TO HOLD THE SOD, AND SHALL BE DRIVEN FLUSH WITH THE TOP OF THE SOD.

EROSION CONTROL

ITEMS 1-10, 1-14, AND L-10 ARE PROVIDED IN THESE PLANS FOR EROSION CONTROL. ROCK OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE ANY OF THESE ITEMS, EXCEPT AS SHOWN ON THE TYPICAL SECTIONS FOR ROCK CUT. THE ENGINEER SHALL CHECK AND NONPERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES FOR THESE ITEMS, WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION.

CHANNEL EXCAVATION

WHERE CHANNEL EXCAVATION IS CARRIED THROUGH A PROPOSED PIPE STRUCTURE SITE, ADDITIONAL EXCAVATION REQUIRED TO OBTAIN A STABLE FOUNDATION FOR THE STRUCTURE SHALL BE MEASURED AND PAID FOR AS ITEM E-2 STRUCTURE EXCAVATION.

PIPE FOR SUBGRADE DRAINAGE

10 LIN. FT. OF 6" HELICAL CORRUGATED METAL PIPE SEC. M.6.4 (h) IMPERFORATED SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR, IN MANHOLES, CATCH BASINS AND INLETS FOR EACH SUBGRADE DRAIN, WHERE, AND AS DIRECTED BY THE ENGINEER. PAYMENT FOR EACH SHALL BE MADE AT THE PRICE BID PER LINEAL FOOT OF PIPE UNDERDRAIN OUTLETS, ITEM 1-4.

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GENERAL NOTES

REMOVAL OF TREES AND STUMPS

ALL TREES AND STUMPS LYING WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE LUMP SUM PRICE BID FOR ITEM E-9, REMOVAL OF TREES AND STUMPS, EXCEPT THAT THOSE TREES AND STUMPS FOR WHICH PROTECTION AND PRESERVATION WORK IS INDICATED ELSEWHERE IN THESE PLANS SHALL NOT BE REMOVED. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS
12" - 18"	140	10
18" - 24"	100	10
24" - 30"	70	8
30" - 36"	10	
36" - 42"	6	1
42" - 48"	1	6
OVER 48"		10

THE ABOVE ESTIMATE IS APPROXIMATE AND THE STATE OF OHIO RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OR STUMPS OUTSIDE OF THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT-OF-WAY AND/OR EASEMENT LINES. PAYMENT FOR THE REMOVAL OF THESE ADDITIONAL TREES OR STUMPS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM E-9, REMOVAL OF TREES AND STUMPS.

SCARIFICATION OF EXISTING FLEXIBLE PAVEMENT

WITHIN THE LIMITS OF CONSTRUCTION WHERE THE EXISTING FLEXIBLE PAVEMENT WILL HAVE LESS THAN 6 INCHES OF FILL PLACED UPON IT, THE PAVEMENT SHALL BE THOROUGHLY SCARIFIED FOR ITS FULL DEPTH, MIXED WITH SUFFICIENT SOIL AND PROPERLY RECOMPACTED TO INSURE THE ELIMINATION OF ANY PLANES OF SEPARATION BETWEEN IT AND THE EMBANKMENT PLACED THEREON. PAYMENT FOR SCARIFICATION AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM E-1, ROADWAY EXCAVATION.

NON-RIGID PAVEMENT REMOVAL OUTSIDE NORMAL CONSTRUCTION LIMITS

AFTER THE EXISTING PAVEMENT HAS BEEN REMOVED, THE OLD ROADWAY SHALL BE PLOWED, HARROWED, AND DRAGGED TO A SMOOTH GRADE, THE OLD DITCHES FILLED, AND THE ENTIRE AREA SLOPED TO DRAIN AND LEFT IN A NEAT CONDITION READY FOR SEEDING. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EXCAVATION, ITEM E-1. SEEDING SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH ITEM L-9.

DRILLED WELL ABANDONED

THE EXISTING CONCRETE OR STONE SLAB WELL COVER SHALL BE REMOVED AND DISPOSED OF. THE PUMP AND ALL OTHER SALVAGEABLE PARTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CASING SHALL BE CUT OFF AT LEAST TWO FEET BELOW THE PROPOSED FINISHED GRADE OUTSIDE PROPOSED PAVEMENT AREAS OR AT LEAST TWO FEET BELOW THE PROPOSED SUBGRADE ELEVATION INSIDE PROPOSED PAVEMENT AREAS AND CAPPED WITH CLASS "E" CONCRETE OR A STANDARD THREADED PIPE CAP. THE UNIT PRICE BID FOR EACH "DRILLED WELL ABANDONED" SHALL INCLUDE PAYMENT FOR ALL LABOR, TOOLS, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM. AN ESTIMATED NUMBER IS LISTED BELOW..

ITEM SPECIAL, DRILLED WELLS ABANDONED 3 EACH

FILLING BASEMENTS OUTSIDE NORMAL WORK LIMITS

IN ADDITION TO THE GENERAL REMOVAL REQUIREMENTS OF SEC. E-1.03(C), ALL BASEMENTS OR PORTIONS THEREOF WITHIN THE RIGHT-OF-WAY ON THIS PROJECT BUT BEYOND THE NORMAL SLOPE LINES SHALL BE FILLED TO SURROUNDING GROUND ELEVATION AS DIRECTED BY THE ENGINEER. PRIOR TO FILLING WITHIN THIS AREA, THE BASEMENT FLOORS AND WALLS SHALL BE BROKEN UP OR REMOVED AS PROVIDED UNDER SEC. E-1.03 (C) (AND ALL HOUSE DRAINS NOT REMOVED SHALL BE PLUGGED AS PROVIDED ELSEWHERE IN THESE NOTES). WHERE BASEMENTS EXTEND BEYOND THE RIGHT-OF-WAY LINE, BUT ARE WITHIN SLOPE EASEMENT OR WORK AGREEMENT LINES, THEY SHALL BE FILLED TO THE ELEVATION OF THE SURROUNDING GROUND AS DIRECTED BY THE ENGINEER, BUT THE REQUIREMENTS OF SEC. E-1.03 (C) FOR REMOVALS BELOW THE PROPOSED FINISHED SURFACE SHALL BE WAIVED FOR THE PORTIONS EXTENDING BEYOND THE RIGHT-OF-WAY LINE. PAYMENT FOR ALL OF THE ABOVE, EXCEPT PLUGGING, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR E-1 ROADWAY EXCAVATION.

DRAINAGE OF BASE MATERIAL

WHERE THE BASE MATERIAL IS DRAINED BY I-9 STONE UNDERDRAINS OR BY EXTENSIONS OF THE SUBBASE THROUGH THE SHOULDERS TO THE FILL SLOPE OR THE DITCH LINE, THE CONTRACTOR SHALL FINISH, SEED, AND MULCH THE SLOPES SO AS NOT TO IMPEDE DRAINAGE OF THE BASE MATERIAL. THE ACTUAL AREA OF THE OUTCROP OF THE SUBBASE MATERIAL OR THE I-9 UNDERDRAINS SHALL NOT BE SEEDED.

ITEM I-9 STONE UNDERDRAINS, NO. 2

STONE UNDERDRAINS SHALL BE PLACED AT 100 FOOT INTERVALS ON EACH SIDE OF NORMAL CROWNED SECTIONS AND AT 50 FOOT INTERVALS ON THE LOW SIDE ONLY OF SUPERELEVATED SECTIONS.

PART WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY OF BUILDING A PORTION OF THIS PROJECT AND CERTAIN CROSS ROADS UNDER TRAFFIC AND CONSTRUCTING THE PAVEMENT PART AT A TIME, EXTREME CARE SHALL BE TAKEN TO PREVENT THE CONSTRUCTION OF A BUTT JOINT ON CENTERLINE IN THE BASE AND SUBBASE COURSES. THIS SHALL BE ACCOMPLISHED BY BUILDING THE BASE AND SUBBASE COURSES PLACED WITH THE FIRST PORTION OF THE PAVEMENT BUILT, AT LEAST 18 INCHES BEYOND THE CENTERLINE AND BY SURFACING NO CLOSER THAN 18 INCHES TO THE EDGE OF THE ABOVE COURSES. WHEN THE SECOND PORTION OF THE PAVEMENT IS BUILT, AT LEAST 12 INCHES OF THESE PROJECTING COURSES SHALL BE BROKEN DOWN AND THOROUGHLY KEYED IN WITH THE NEWLY PLACED CORRESPONDING COURSES IN THE SECOND PORTION OF THE PAVEMENT. PAYMENT FOR THIS OPERATION SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PERTINENT PAVEMENT ITEMS.

I-22 UNDER APPROACH SLABS

THE AREA BETWEEN THE BOTTOM SURFACE OF THE SUBGRADE AND THE BOTTOM OF THE APPROACH SLAB SHALL BE BACK-FILLED WITH ITEM I-22 SUBBASE.

SEEDING AND PROTECTION

QUANTITIES FOR SEEDING ITEM L-9 ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE LINES 10 FEET OUTSIDE THE WORK LIMITS AS SHOWN ON THE CROSS-SECTIONS, OR THE RIGHT OF WAY LINE IF SUCH LINE IS LESS THEN 10 FEET FROM THE WORK LIMITS. ALL AREAS OUTSIDE THESE LIMITS WHERE THE VEGATATIVE GROWTH HAS BEEN INJURIOUSLY DISTURBED OR DESTROYED BY THE CONTRACTOR SHALL BE RESTORED AND SEEDED IN ACCORDANCE WITH THE PROVISIONS OF SEC. G-7.09 BY THE CONTRACTOR AT HIS OWN EXPENSE. SEED SHALL BE SOWN AT THE RATE OF 5 POUNDS PER 1000 SQUARE FEET EXCEPT AS OTHERWISE NOTED IN THE PLANS. SEEDING FORMULA FOR ALL SEEDED AREAS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

70 % KENTUCKY 31 FESCUE (FESTUEA ELATIOR, VAR. KY. 31)
25 % KENTUCKY BLUEGRASS (POA PRATENSIS)
5 % ALSIKE CLOVER (TRIFOLIUM HYBRIDUM)

L-9 COMMERCIAL FERTILIZER

ALL AREAS TO BE SEEDED UNDER ITEM L-9 OR SODDED UNDER L-10 SHALL HAVE COMMERCIAL FERTILIZER 12-12-12, APPLIED AT THE RATE OF 20 POUNDS PER 1,000 SQUARE FEET.

CONSTRUCTION LAYOUT STAKES

SEE NOTE IN PROPOSAL DESCRIBING THE WORK INCLUDED IN THIS LUMP SUM PAY ITEM.

ROCK SUBGRADE

THE CONTRACTOR SHALL BE PAID FOR THE THICKNESS OF I-22 MATERIAL SHOWN ON THE TYPICAL SECTIONS IN ROCK EXCAVATION AREAS. ANY POCKETS IN THE ROCK BELOW THE PLAN SUBGRADE ELEVATION SHALL DRAIN EITHER LONGITUDINALLY OR LATERALLY AND ALL IRREGULARITIES IN THE ROCK BELOW THIS ELEVATION SHALL BE FILLED WITH I-22 MATERIAL AT NO ADDITIONAL COST TO THE STATE.

MAINTENANCE OF TRAFFIC

S. R. 226 TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. DURING CONSTRUCTION OF THE INTERSECTION OF S. R. 226 AND S. R. 3, A TEMPORARY RUN-AROUND SHALL BE PROVIDED AS SHOWN ON THE PLANS.

S. R. 95 TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING ACTUAL GRADING OPERATIONS. THIS SHALL BE LIMITED TO A MAXIMUM OF SEVEN DAYS. TRAFFIC WILL BE REROUTED OVER S. R. 89 AND S. R. 30. ONE WAY TRAFFIC WILL BE PERMITTED DURING PAVING OPERATIONS. SEE DETOUR MAP ON SHT 2.

TRAFFIC SHALL BE MAINTAINED ON S. R. 3 BY THE FOLLOWING METHOD;

WORK SHALL NOT BE STARTED ON EXISTING S. R. 3 UNTIL AT LEAST THE SOUTH BOUND LANE OF WAY 3-9.94 IS COMPLETED FROM STATION 529 + 50 TO S. R. 95, AND S. R. 95 WORK IS COMPLETED.

THE PAVEMENT OF THE SOUTH BOUND LANE SHALL BE WIDENED TO 20' BY PAVEMENT FOR CLASS "A" TEMPORARY RUN-AROUND ON THE NORTHWEST SIDE.

THE TEMPORARY RUN-AROUND ON THE SOUTHEAST SIDE OF EXISTING ROUTE 3 FROM STATION 522+25 TO 531+00 SHALL BE CONSTRUCTED.

THE INTERSECTION SHALL BE CONSTRUCTED FROM 525+00 TO 529+50, AND TRAFFIC ROUTED OVER THE SOUTH BOUND LANE TO S. R. 95, ON S. R. 95 TO ITS INTERSECTION WITH S. R. 3.

THE TEMPORARY RUN-AROUND FROM 522+25 TO 531+00 SHALL BE REMOVED.

THE USE OF THE TEMPORARY RUN-AROUND ABOVE, SHALL BE LIMITED TO A MAXIMUM OF 30 DAYS.

COUNTY ROAD 139 TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING ACTUAL GRADING OPERATIONS. THIS SHALL BE LIMITED TO A MAXIMUM OF ONE MONTH. ONE WAY TRAFFIC WILL BE PERMITTED DURING PAVING OPERATIONS.

COUNTY ROAD 174 MAY BE CLOSED TO TRAFFIC DURING THE CONSTRUCTION OF THIS PROJECT.

I-22 SUBBASE GRADING "A" OR "B" AS PER PLAN
The material furnished for this item shall meet the requirements of grading A or B of section I-22.02 except that for either grading not more than 10% of the material shall pass a number 200 sieve.

LIGHTS, SIGNS, AND BARRICADES

THE CONTRACTOR SHALL, IN ADDITION TO THE GENERAL REQUIREMENTS OF SEC. G-7.07 ON THIS PROJECT, PERFORM THE FOLLOWING;

(a) PROVIDE, ERECT, AND MAINTAIN MOVEABLE GATES ON INTERSECTING ROADS CLOSED TO TRAFFIC AT ALL POINTS, WHERE LOCAL TRAFFIC MOVEMENT TERMINATES.

(b) PROVIDE, ERECT, AND MAINTAIN LIGHTS, SIGNS, AND BARRICADES AT THE WORK LIMITS ON ALL INTERSECTING ROADS WHICH REMAIN OPEN TO TRAFFIC.

(c) PROVIDE, ERECT, AND MAINTAIN STANDARD 40" x 24" SIZE "ROAD CLOSED" SIGNS, SIGN SUPPORTS, AND LIGHTS AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

1. S. R. 95 AT ITS INTERSECTION WITH S. R. 89 AND AT ITS INTERSECTION WITH EXISTING S. R. 3
2. COUNTY ROAD 139 AT ITS INTERSECTION WITH COUNTY ROAD 174 1600'± EAST OF RELOCATED S. R. 3 AND AT ITS INTERSECTION WITH TOWNSHIP ROAD 166.
3. COUNTY ROAD 174 AT THE INTERSECTION OF COUNTY ROAD 139.

LIGHTS, BARRICADES, AND DANGER AND WARNING SIGNS SHALL BE PROVIDED AT LOCATIONS SHOWN ABOVE IN ACCORDANCE WITH SEC. G-7.07. BARRICADES AND GATES SHALL BE AS DETAILED ON STANDARD CONSTRUCTION DRAWING NO. CG-7.07. SIGN SUPPORTS AND LIGHTS FOR "ROAD CLOSED" SIGNS SHALL BE AS DETAILED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES."

PAYMENT FOR PROVIDING, ERECTING, MAINTAINING, AND REMOVING BARRICADES, GATES, LIGHTS, SIGNS, AND SIGN SUPPORTS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR "MAINTAINING TRAFFIC."

PAYMENT FOR TEMPORARY ROADWAYS

PAYMENT FOR CONSTRUCTION, MAINTENANCE, AND SUBSEQUENT REMOVAL, WHEREVER REQUIRED, OF TEMPORARY ROADWAYS NOT SEPARATELY ITEMIZED UNDER ITEM S-15, EXCEPT FOR FURNISHING AND PLACING OF ITEMS M-10 AND T-10, SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR "MAINTAINING TRAFFIC."

TEMPORARY CULVERTS

PAYMENT FOR CONSTRUCTION, MAINTENANCE, AND SUBSEQUENT REMOVAL OF TEMPORARY CULVERTS AND SEWER EXTENSIONS REQUIRED FOR CONSTRUCTION OF ITEM S-15 RUN-AROUNDS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR RUN-AROUNDS, ITEM S-15.

ITEMS E-4, BORROW USING GRANULAR MATERIAL

MATERIAL FURNISHED FOR THESE ITEMS SHALL BE AS DEFINED IN SEC. E-1.02, EXCEPT THAT AT LEAST 75 PERCENT BY WEIGHT OF THE GRAINS OR PARTICLES SHALL BE RETAINED ON A NO. 200 SIEVE. THE MATERIAL SHALL BE PLACED BY THE END DUMPING METHOD. IN AREAS OTHER THAN WHERE UNSUITABLE MATERIAL IS TO BE EXCAVATED, NORMAL CLEARING AND GRUBBING SHALL BE PERFORMED, BUT THE REQUIREMENT OF SEC. E-1.04 FOR SCALPING AND COMPACTION SHALL BE WAIVED.

IN THE BOG AREA WHERE UNSUITABLE MATERIAL IS TO BE REMOVED, THE EXCAVATION OF THE UNSUITABLE MATERIAL AHEAD OF THE FILL AND THE END DUMPING OF GRANULAR MATERIAL ACROSS THE BOG AREA SHALL BE ADVANCED IN A MANNER WHICH WILL PRECLUDE ENTRAPMENT OF UNSUITABLE MATERIAL BENEATH ANY PORTION OF THE FILL. EXCAVATION OF UNSUITABLE MATERIAL SHALL BE INCLUDED IN THE COST OF THE GRANULAR MATERIAL REQUIRED TO BACKFILL THE EXCAVATED AREA.

TWO ITEMS OF E-4, BORROW USING GRANULAR MATERIAL ARE REQUIRED AS FOLLOWS:

1. THE AMOUNT OF GRANULAR MATERIAL USED ABOVE THE ORIGINAL GROUND LINE, AS SHOWN ON THE PLAN CROSS SECTIONS AT THE BOG AREA, PLUS THE AMOUNT USED AT OTHER LOCATIONS ON THE PROJECT WHERE EARTHWORK IS PAID FOR AS ITEM E-1 SHALL BE MEASURED BY THE AVERAGE END AREA METHOD PLUS 5 PERCENT FOR COMPACTION, USING PROJECT CROSS SECTIONS, AND PAID FOR PER CU.YD. AS "ITEM E-4, BORROW USING GRANULAR MATERIAL, AS PER PLAN."
2. THE AMOUNT OF GRANULAR MATERIAL USED TO BACKFILL THE SPACE OCCUPIED BY THE REMOVED UNSUITABLE MATERIAL WILL BE THE AMOUNT REQUIRED TO BACKFILL TO THE ORIGINAL GROUND LINE, AS SHOWN ON SHEET 22, AND SHALL BE MEASURED IN ACCORDANCE WITH SEC. E-4.04 AS THE TOTAL QUANTITY OF E-4, BORROW USING GRANULAR MATERIAL MINUS THE QUANTITY ESTABLISHED FOR THE ITEM OF GRANULAR MATERIAL PLACED ON THE ORIGINAL GROUND AND PAID FOR PER CU.YD. AS "ITEM E-4, BORROW USING GRANULAR MATERIAL, AS PER PLAN, INCLUDING EXCAVATION OF UNSUITABLE MATERIAL".

EMBANKMENT, STA. 618+61 TO STA. 632+00

BETWEEN THE ABOVE STATION LIMITS, THE FILL SHALL BE COMPLETED TO SUBGRADE ELEVATION AND BE PERMITTED TO STAND FOR A PERIOD OF SIX (6) MONTHS PRIOR TO BEGINNING WORK ON THE PAVEMENT. WOODEN HUBS APPROXIMATELY 1⅝"x1⅝"x4' SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR AT 50 FT. INTERVALS IN A ROW 15 FT. RIGHT OF ℄, DRIVEN FLUSH WITH SURFACE OF EMBANKMENT, AND PROTECTED BY SUITABLE GUARD STAKES, TO PERMIT OBSERVATION OF THE SETTLEMENT DURING THIS WAITING PERIOD. PAYMENT FOR FURNISHING AND PLACING THE HUBS AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR ITEM E-1, ROADWAY EXCAVATION. READINGS ON HUBS WILL BE MADE BY STATE FORCES AT LEAST ONCE EVERY SEVEN DAYS.

GENERAL SUMMARY

FED. RD. DIVISION	STATE	PROJECT	
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WAYNE COUNTY
WAY-3-9.94

TYPE CODE 6201

Item		Quantities	Unit	Description	Sheet	Table	Line
				ROADWAY			
E-1		332,817	CU.YDS.	ROADWAY EXCAVATION METHOD "B" AS PER PLAN	17		
E-4		9326	CU.YDS.	BORROW	17		
E-1		84,556	SQ.YDS.	COMPACTED SUBGRADE	15		
E-4		19,878	CU.YDS.	BORROW USING GRANULAR MATERIAL AS PER PLAN	17		
E-8		2,666	SQ.YDS.	REMOVAL AND DISPOSAL OF EXISTING PAVEMENT	17		
E-9		LUMP	LUMP	REMOVAL OF TREES AND STUMPS	12		
E-4		29,453	CU.YDS.	BORROW USING GRANULAR MATERIAL AS PER PLAN INCLUDING EXCAVATION OF UNSUITABLE MATERIAL	17		
E-11		1,525	M GALS.	WATER	16		
I-8		26	EACH	CENTERLINE REFERENCE MONUMENTS, AS PER PLAN	143		
I-8		14	EACH	MONUMENT ASSEMBLIES	143		
I-15		4625	LIN.FT.	GUARD RAIL, STEEL BEAM STANDARD TYPE (DEEP)	17		
I-15		* 87.5	LIN.FT.	GUARD RAIL, STEEL BEAM BARRIER TYPE (DEEP)	17		
I-15		528	LIN.FT.	GUARD RAIL, FLEXIBLE STEEL PLATE TENSION TYPE (STANDARD STRENGTH) OR STEEL BEAM TYPE (SHALLOW)	17		
L-1		6614	Cu.Yds	TOPSOIL STOCKPILED	16		
L-3		16,535	SQ. YDS.	PLACING STOCKPILED TOPSOIL	16		
L-9		179,088	SQ.YDS.	SEEDING AND PROTECTING AS PER PLAN	17		
L-9		18.69	TONS.	COMMERCIAL FERTILIZER (12-12-12)	16		
L-10		11,806	SQ.YDS.	SODDING AS PER PLAN	17		
L-10		200	SQ.YDS.	SODDING FOR SPECIAL BERM AND SLOPE PROTECTION	17		
T-10		150	CU.YDS.	TRAFFIC COMPACTED SURFACE COURSE FOR MAINTAINING TRAFFIC	11		
SS-18		‡ 16859	LIN.FT.	FENCE TYPE "A" AS PER PLAN	17		
S-15		LUMP	LUMP	TEMPORARY RUN-AROUND ROAD USING CLASS "A" PAVEMENT			
SPECIAL		583	SQ.YD.	MIXING CALCIUM CHLORIDE AND CRUSHED AGGREGATE	15		
SPECIAL		3	EACH	DRILLED WELLS ABANDONED	12		
S-24		LUMP	LUMP	REMOVAL OF EXISTING STRUCTURES (PARCEL NO. 23LA 1 STORY FRAME RESIDENCE AND FRAME GARAGE).			
S-24		LUMP	LUMP	REMOVAL OF EXISTING STRUCTURES (PARCEL NO. 24LA 1 STORY FRAME RESIDENCE AND FRAME GARAGE).			
S-24		LUMP	LUMP	REMOVAL OF EXISTING STRUCTURES (PARCEL NO. 43LA 2 STORY FRAME RESIDENCE, 1 FRAME BARN AND 6 FRAME SHEDS)			
				DRAINAGE			
E-2		378	CU.YDS.	EXCAVATION FOR STRUCTURES	17		
E-3		394	CU.YDS.	CHANNEL EXCAVATION	18		
E-12		1275	LIN.FT.	PIPE REMOVED 15" AND UNDER	18		
I-1		332	LIN.FT.	12" PIPE FOR DRIVEWAYS SEC. M-6.4 (a)	17		
I-1		118	LIN.FT.	15" PIPE FOR DRIVEWAYS SEC. M-6.4 (a)	17		
I-2		40	LIN.FT.	12" STORM SEWER SEC. M-6.4 (c)	17		
I-2		91	LIN.FT.	15" STORM SEWER SEC. M-6.4 (c)	17		
I-2		79	LIN.FT.	30" STORM SEWER UNDER PAVEMENT OR APPROACHES SEC. M-6.4 (c)	17		
					17		
I-2		82	LIN.FT.	18" CLASS A STORM SEWER UNDER PAVEMENT OR APPROACHES	17		
I-2		610	LIN.FT.	8" CLASS B STORM SEWER UNDER PAVEMENT OR APPROACHES	17		
I-2		1069	LIN.FT.	12" CLASS B STORM SEWER UNDER PAVEMENT OR APPROACHES	17		
I-2		430	LIN.FT.	15" CLASS B STORM SEWER UNDER PAVEMENT OR APPROACHES	17		
I-2		466	LIN.FT.	18" CLASS B STORM SEWER UNDER PAVEMENT OR APPROACHES	17		
I-2		100	LIN.FT.	8" CLASS B STORM SEWER	17		
I-2		300	LIN.FT.	12" STORM SEWER SEC. M-6.5 (b) OR M-6.8 (b)	17		

Item		Quantities	Unit	Description	Sheet	Table	Line
I-2		337	LIN.FT.	21" STORM SEWER UNDER PAVEMENT OR APPROACHES SEC. M-6.6 (b) OR SEC. M-6.8 (b)	17		
I-2		254	LIN.FT.	24" STORM SEWER UNDER PAVEMENT OR APPROACHES SEC. M-6.6 (b) OR SEC. M-6.8 (b)	17		
I-2		44	LIN.FT.	18" STORM SEWER SEC. M-6.5 (a) OR SEC. M-6.8 (a)	17		
I-2		96	LIN.FT.	21" STORM SEWER SEC. M-6.5 (a) OR SEC. M-6.8 (a)	17		
I-2		290	LIN.FT.	30" STORM SEWER SEC. M-6.4 (c)	17		
I-2		10	LIN.FT.	8" OUTLET FOR STORM SEWER SEC. M-6.4 (c)	17		
I-3		300	LIN.FT.	8" ROADWAY DRAINAGE	18		
I-3		1,236	LIN.FT.	12" ROADWAY DRAINAGE	18		
I-3		278	LIN.FT.	15" ROADWAY DRAINAGE	18		
I-3		197	LIN.FT.	21" ROADWAY DRAINAGE	18		
I-3		250	LIN.FT.	12" ROADWAY DRAINAGE UNDER PAVEMENT OR APPROACHES	18		
I-3		46	LIN.FT.	21" ROADWAY DRAINAGE UNDER PAVEMENT OR APPROACHES	18		
I-3		30	LIN.FT.	6" ROADWAY DRAINAGE EXTRA QUALITY DRAIN TILE SEC. M-6.7 (b)	18		
I-3		100	LIN.FT.	8" OUTLETS FOR ROADWAY DRAINAGE SEC. M-6.4 (c)	18		
I-3		110	LIN.FT.	12" OUTLETS FOR ROADWAY DRAINAGE SEC. M-6.4 (c)	18		
I-3		10	LIN.FT.	21" OUTLETS FOR ROADWAY DRAINAGE SEC. M-6.4 (c)	18		
I-4		24,321	LIN.FT.	6" UNDERDRAINS	18		
I-4		6,340	LIN.FT.	6" UNDERDRAINS HELICAL PERFORATED CORRUGATED METAL PIPE SEC. M-6.4 (h)	18		
I-4		360	LIN.FT.	6" PIPE OUTLETS FOR UNDERDRAINS HELICAL CORRUGATED METAL PIPE SEC. M-6.4 (h) WITHOUT PERFORATIONS.	18		
I-5		43	EACH	6" PIPE SPECIALS FOR UNDERDRAINS	18		
I-5		2	EACH	8" PIPE SPECIALS FOR UNDERDRAINS	18		
I-5		5	EACH	8" PIPE SPECIALS FOR ROADWAY DRAINAGE	18		
I-5		11	EACH	12" PIPE SPECIALS FOR ROADWAY DRAINAGE	18		
I-5		2	EACH	15" PIPE SPECIALS FOR ROADWAY DRAINAGE	18		
I-5		1	EACH	21" PIPE SPECIALS FOR ROADWAY DRAINAGE	18		
I-5		12	EACH	8" PIPE SPECIALS FOR STORM SEWERS	18		
I-5		11	EACH	12" PIPE SPECIALS FOR STORM SEWERS	18		
I-5		4	EACH	15" PIPE SPECIALS FOR STORM SEWERS SEC. M-6.4 (c)	18		
I-8		1	EACH	STANDARD NO. 1 MANHOLE	18		
I-8		2	EACH	STANDARD NO. 6 CATCH BASINS	18		
I-8		13	EACH	STANDARD NO. 7 CATCH BASINS	18		
I-8		22	EACH	STANDARD NO. 2-2-A CATCH BASINS	18		
I-8		8	EACH	STANDARD NO. 2-2-B CATCH BASINS	18		
I-8		5	EACH	STANDARD NO. 2-3 CATCH BASINS MODIFIED, AS PER PLAN	18		
I-9		1083	LIN.FT.	STONE UNDERDRAINS NO. 2	17		
I-10		73.7	CU.YDS.	DUMPED ROCK CHANNEL PROTECTION	18		
I-14		264	LIN.FT.	STANDARD TYPE I PAVED GUTTER AS PER PLAN	18		
I-14		2,220	LIN.FT.	STANDARD TYPE I PAVED GUTTER MODIFIED, AS PER PLAN	18		
I-14		280	LIN.FT.	SPECIAL TYPE I' PAVED GUTTER AS PER PLAN	18		
S-1		26.9	CU.YDS.	CONCRETE FOR STRUCTURES CLASS E	18		
S-24		LUMP	LUMP	REMOVAL OF EXISTING STRUCTURES	18		
S-27		108	LIN.FT.	21" PIPE FOR ROADWAY CULVERTS SEC. M-6.6 (b) OR M-6.8 (b)	18		
S-27		228	LIN.FT.	30" PIPE FOR ROADWAY CULVERTS SEC. M-6.6 (c)	18		
S-28		140	LIN.FT.	15'-6" X 9'-5" SECTIONAL CORRUGATED METAL STRUCTURES M-6.4 (g) GAGE 5-3	18		

* No Federal Participation. ‡ Federal participation limited to 1,300 Lin.Ft. (See sheet 2)

REV. 7-18-61. R.E.C.

GENERAL SUMMARY

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WAYNE COUNTY
WAY-3-9.94

TYPE CODE 6201

Item		Quantities	Unit	Description	Sheet	Table	Line
				PAVEMENT			
B-19		1965.	CU.YD.	AGGREGATE BASE COURSE	17		
B-20		68,634	SQ.YD.	8" WATER BOUND MACADAM BASE COURSE USING NO. 2 COARSE AGGREGATE	15		
B-33		31,374	SQ.YD.	3" BITUMINOUS MACADAM BASE COURSE	15		
B-35		2,204	CU.YD.	ASPHALTIC CONCRETE LEVELING COURSE (70 - 85)	15		
B-35		4,967	CU.YD.	ASPHALTIC CONCRETE BASE COURSE (70 - 85)	15		
T-30		27887	GAL.	BITUMINOUS PRIME COAT SEC. M-5.7, RT-2, OR RT-3	15		
T-31		15,687	GAL.	BITUMINOUS SURFACE TREATMENT - BITUMINOUS MATERIAL AS PER PLAN	15		
T-31		251	CU.YD.	BITUMINOUS SURFACE TREATMENT - NO. 46 AGGREGATE.	15		
T-31		251	CU.YD	BITUMINOUS SURFACE TREATMENT - NO. 6 AGGREGATE.	15		
T-35		2175	CU.YD	ASPHALTIC CONCRETE SURFACE COURSE TYPE C (70 - 85)	15		
T-35		357	CU.YD.	ASPHALTIC CONCRETE SURFACE COURSE TYPE A (85 -100)	17		
I-7		352	SQ.YD.	REINFORCED CONCRETE APPROACH SLABS (t = 13")	17		
I-12		1613	LIN.FT.	CONCRETE CURB - STANDARD TYPE 6	17		
I-18		3,890	CU.YD.	STABILIZED CRUSHED AGGREGATE SHOULDERS AND APPROACHES	15		
M-10		3.62	TONS	FURNISHING AND APPLYING CALCIUM CHLORIDE	16		
I-21		45	SQ.YD.	4" PORTLAND CEMENT CONCRETE MEDIAN PAVEMENT STD. TYPE I	17		
I-22		15,956	CU.YD.	SUBBASE-GRADING A OR B AS PER PLAN.	15		
I-23		11	EACH	STD. PRECAST WHITE PORTLAND CEMENT CONCRETE TRAFFIC DIVIDERS	17		
		Lump	LUMP	CONSTRUCTION LAYOUT STAKES	12		
				STRUCTURES OVER 20' SPAN			
				STRUCTURE NO. WAY-3-1166 L & R QUANTITIES LISTED ON SHEET NO. 142			

Item		Quantities	Unit	Description	Sheet	Table	Line

CALCULATIONS

FED. RD. DIVISION	STATE	PROJECT	
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WAYNE COUNTY
WAY-3-9.94

Line No.	Description	Quantities	Unit
3	T-35 Asphaltic Concrete Surface Course Type "C" (70-85)		
4	2 Lane Pavement Sta. 543+50.00 "S.B" to Sta. 551+53.76 "S.B." 803.76 Lin. Ft. on ℄ Pav't.		
5	2 Lane Pavement Sta. 542+54.61 to Sta. 549+93.86 = 739.25 Lin. Ft. on ℄ Survey		
6	Length on ℄ "N.B." Pav't. = 739.25 x (4583.66+32) ÷ 4583.66 = 744.41 Lin. Ft.		
7	"N.B." Sta. 549+93.86 to Sta. 551+70.21 = 176.35 Lin. Ft.		
8	Sum of Lines 4, 6, & 7 = 1724.52 Lin. Ft. Area = 1724.52 x 24 ÷ 9 = 4598.72 Sq. Yds.		
9	4 Lane Pavement Sta. 551+70.21 to Sta. 631+85.43 = 8015.22 Lin. Ft.		
10	Deduct for Structure No 1166 & Approach Slabs 306.93 Lin. Ft.		
11	Line 9 minus Line 10 = 7708.29 Lin. Ft. Area = 7708.29 x 48 ÷ 9 = 41,110.88 Sq. Yd.		
12	Line 8 plus Line 11 Area = 45,709.60 Sq. Yds. Volume = 45,709.60 x $1.25^{5}/_{36}$ = 1,587.14 Cu. Yd.		
13	Additional Area for 2' Median Pav't Sta. 627+75 to 631+85.43 = (2 x 2 x 410.43 + 2 x 50) - 9 = 193.52 Sq. Yd.		
14	Volume for Median Pav't. = 193.52 x 1.25 ÷ 36 = 6.72 Cu. Yds.		
15	Additional from Sheet 17 = 580.62 Cu. Yd.		
16	Sum of Lines 12, 14 and 15 = 2,174.48 Cu. Yd. use	2,175	Cu. Yd.
17			
18			
19			
20	B-35 Asphaltic Concrete Leveling Course (70-85)		
21	Line 12 plus Line 14 = 1,593.86 Cu. Yd.		
22	Additional from Sheet 17 = 609.72 Cu. Yd.		
23	Sum of Line 21 and 22 = 2,203.58 Cu. Yd. use	2,204	Cu. Yd.
24			
25			
26	B-35 3" Asphaltic Concrete Base Course (70-85)		
27	From Line 12 Surface Area = 45,709.60 Sq. Yd. Area B-35 = 45,709.60 x (24.5 ÷ 24) = 46,661.88 Sq. Yd.		
28	Volume B-35 = 46,661.88 x 3 ÷ 36 = 3,888.49 Cu. Yd.		
29	Additional Area for Median Pav't. Sta. 627+75 to 631+85.43 = (2 x 1.75 x 410.43 + 2 x 50) ÷ 9 = 170.72 Sq. Yd.		
30	Volume of Median Pav't = 170.72 x 3 ÷ 36 = 14.23 Cu. Yd.		
31	Additional from Sheet 17 = 1,063.84 Cu. Yd.		
32	Sum of Lines 28, 30 and 31 = 4,966.56 Cu. Yd. use	4,967	Cu. Yd.
33			
34			
35	T-30 Bituminous Prime Coat		
36	Sum of Lines 27 and 29 B-35 Area = 46,832.60 Sq. Yd. Gals. Req'd = 46,832.60 x 0.4 = 18,733.04 Gals		
37	Additional from Sheet 17 = 9,153.47 Gal.		
38	Sum of Lines 36 & 37 = 27,886.51 Gal. use	27,887	Gal.
39			
40			
41			
42	B-20 8" Waterbound Macadam Base Course		
43	From Line 12 T-35 Area = 45,709.60 Sq. Yd. B-20 Area = 45,709.60 x (25.5 ÷ 24) = 48,566.45 Sq. Yd.		
44	23,445.19 Lin. Ft. of I-4's Require B-20 to be extended 2' Area = 23,445.19 x 2 ÷ 9 = 5,210.04 Sq. Yd.		
45	Additional for Median Pav't. Sta 627+75 to 631+85.43 Area = (2 x 1.25 x 410.43 + 50 x 2) ÷ 9 = 125.12 Sq. Yd.		
46	Additional from Sheet 17 = 14,732.45 Sq. Yd.		
47	Sum of Lines 43, 44, 45 and 46 = 68,634.06 Sq. Yd. use	68,634	Sq. Yd.
48			
49			
50	I-22 Subbase - Grading A or B		
51	From Line 12 T-35 Area = 45,709.60 Sq. Yd. Area I-22 = 45,709.60 x 26.5 ÷ 24 = 50,471.02 Sq. Yds.		
52	Volume I-22 = 50,471.02 x 6 ÷ 36 = 8,411.84 Cu. Yd.		
53	From Sta. 550+50 to Sta. 562+00 Special Rock Cut Grading Req'd for 1150 Lin. Ft.		
54	Additional End Area Req'd for Special Grading = 0.068 Sq. Yd.		
55	Volume I-22 for Special Grading = 0.068 x 1150 ÷ 3 = 26.07 Cu. Yd.		
56	Additional Volume Under Approach Slabs = $6.5/_{12}$ x 26.5 x 50 ÷ 27 = 26.58 Cu. Yd.		
57	Additional I-22 Req'd for Shoulders;		
58	End Area = 0.404 Sq. Yds. for 12,305.33 Lin. Ft. Volume = 0.404 x 12,305.33 ÷ 3 = 1,605.12 Cu. Yd.		
59	End Area = 0.078 Sq. Yds. for 9,107.31 Lin. Ft. Volume = 0.078 x 9,107.31 ÷ 3 = 236.79 Cu. Yd.		
60	End Area = 0.382 Sq. Yds. for 1,256.57 Lin. Ft. Volume = 0.382 x 1,256.57 ÷ 3 = 160.00 Cu. Yd.		
61	End Area = 0.702 Sq. Yds. for 2,890.04 Lin. Ft. Volume = 0.702 x 2,890.04 ÷ 3 = 676.27 Cu. Yd.		
62	End Area = 0.207 Sq. Yds. for 4,278.75 Lin. Ft. Volume = 0.207 x 4,278.75 ÷ 3 = 295.23 Cu. Yd.		
63	End Area = 0.186 Sq. Yds. for 2,279.79 Lin. Ft. Volume = 0.186 x 2,279.79 ÷ 3 = 141.35 Cu. Yd.		
64	Additional Req'd for Median Pav't Sta 627+75 to 631+85.43 = 410.43 Lin. Ft.		
65	End Area = 0.222 Sq. Yds. for 410.43 Lin. Ft. Volume = 0.222 x 410.43 ÷ 3 = 30.37 Cu. Yd.		
66	Additional from Sheet 17 = 4,346.07 Cu. Yd.		
67	Sum of Lines 52, 55, 56, 58, 59, 60, 61, 62, 63, 65, and 66 = 15,955.69 Cu. Yd. use	15,956	Cu. Yd.
68			
69			
70			
71			

Line No.	Description	Quantities	Unit
72			
73			
74			
75	T-31 Bituminous Surface Treatment - Bituminous Material		
76	"SB" Lane Sta. 543+50 to 551+53.76 = 803.76' Length 10' Paved Shldr = 803.76 x 4566.66 ÷ 4583.66 = 800.78'		
77	"SB" Lane Sta. 543+50 to 551+53.76 = 803.76' Length 4' Paved Shldr = 803.76 x 4597.66 ÷ 4583.66 = 806.21'		
78	"NB" Lane Sta. 542+54.61 to 549+93.86 = 739.25' Length 4' Paved Shldr = 739.25 x 4601.66 ÷ 4583.66 = 742.15'		
79	"NB" Lane Sta. 542+54.61 to 549+93.86 = 739.25' Length 10' Paved Shldr = 739.25 x 4632.66 ÷ 4583.66 = 747.15'		
80	"NB" Lane Sta. 549+93.86 to 551+70.21 = 176.35' Length 4' Paved Shldr = 176.35'		
81	"NB" Lane Sta. 549+93.86 to 551+70.21 = 176.35' Length 10' Paved Shldr = 176.35'		
82	Sta. 551+70.21 to 627+75 ℄ Way-3 = 7,604.79 Length 4' Paved Shldr = 2 x 7604.79 = 15,209.58'		
83	Sta. 551+70.21 to 631+85.43 ℄ Way-3 = 8015.22' Length 10' Paved Shldr = 2 x 8,015.22 = 16,030.44'		
84	Gross Length of 10' Paved Shldrs = Sum of Lines 76, 79, 81 and 83 = 17,754.72 Lin. Ft.		
85	Deduct 1063.86 Lin. Ft. of 10' Paved Shldr. for Side Road Intersections, Str. 1166 and Approach Slabs		
86	Line 84 minus Line 85 = 16,690.86 Lin. Ft. Area = 16,690.86 x 10 ÷ 9 = 18,545.40 Sq. Yd.		
87	Gross Length of 4' Paved Shldr = Sum of Lines 77, 78, 80 and 82 = 16,934.29 Lin. Ft.		
88	Deduct 1309.86 Lin. Ft. of 4' Paved Shldr for Side Road Intersections, Bdg 1166 & Approach Slabs		
89	Line 87 minus Line 88 = 15,624.43' Area = 15,624.43 x 4 ÷ 9 = 6,944.19 Sq. Yds.		
90	Deduct for tapers into Approach Slabs A = 4 x ½ x 6 x 120 ÷ 9 = 160.00 Sq. Yds.		
91	Line 86 plus Line 89 minus Line 90 = 25,329.59 Sq. Yd x 0.25 gal. per Sq. Yd x 2 applications = 12,664.80 Gal.		
92	Additional from Sheet 17 = 3,022.22 Gals		
93	Sum of Lines 91 and 92 = 15,687.02 use	15,687	Gals.
94			
95			
96			
97	T-31 Bituminous Surface Treatment - Aggregate		
98	From Line 91 Area = 25,329.59 Sq. Yd x 0.008 Cu Yd per Sq Yd = 202.64 Cu Yd No. 46 Aggregate		
99	Additional from Sheet 17 = 48.34 Cu Yd No. 46 Aggregate		
100	Sum of Lines 98 and 99 = 250.98 Cu Yd. No. 46 Aggregate	251	Cu. Yd.
101	From Line 91 Area = 25,329.59 Sq. Yd. x 0.008 Cu Yd. per Sq. Yd. = 202.64 Cu Yd. No. 46 Aggregate		
102	Additional from Sheet 17 = 48.34 Cu Yd. No. 6 Aggregate		
103	Sum of Lines 101 and 102. = 250.98 Cu Yd. No. 6 Aggregate	251.	Cu. Yd.
104			
105			
106			
107	B-33 Bituminous Macadam Base Course		
108	From Line 91 Area = 25,329.59 Sq. Yd.		
109	Additional from Sheet 17 = 6,044.37 Sq. Yd.		
110	Sum of Lines 108 and 109 = 31,373.96 Sq. Yd use	31,374	Sq. Yd.
111			
112			
113	I-18 Stabilized Crushed Aggregate Shoulders		
114	5" Depth		
115	Material Req'd for Shoulders from Sta 542+54.61 "NB" and Sta. 543+50.00 "SB" to Sta. 631+85.43		
116	End Area = 0.396 Sq. Yds. for 8,092.57 Lin. Ft. Volume = 0.396 x 8,092.57 ÷ 3 = 1068.22 Cu. Yd.		
117	End Area = 0.118 Sq. Yds. for 4,995.14 Lin. Ft. Volume = 0.118 x 4,995.14 ÷ 3 = 196.48 Cu. Yd.		
118	End Area = 0.399 Sq. Yds. for 1,256.57 Lin. Ft. Volume = 0.399 x 1,256.57 ÷ 3 = 167.12 Cu. Yd.		
119	End Area = 0.451 Sq. Yds. for 2,890.04 Lin. Ft. Volume = 0.451 x 2,890.04 ÷ 3 = 434.47 Cu. Yd.		
120	End Area = 0.125 Sq. Yds. for 4,112.17 Lin. Ft. Volume = 0.125 x 4,112.17 ÷ 3 = 171.34 Cu. Yd.		
121	End Area = 0.174 Sq. Yds. for 6,552.54 Lin. Ft. Volume = 0.174 x 6,552.54 ÷ 3 = 380.05 Cu. Yd.		
122	End Area = 0.405 Sq. Yds. for 4,212.76 Lin. Ft. Volume = 0.405 x 4,212.76 ÷ 3 = 568.72 Cu. Yd.		
123	Additional from Sheet 17 = 804.99 Cu. Yd.		
124	Sum of Lines 116, 117, 118, 119, 120, 121, 122, and 123 = total of 5" Depth = 3,791.39 Cu. Yd.		
125			
126	6" Depth		
127	From Sheet 17 = 97.15 Cu. Yd.		
128	Sum of Lines 124 and 127 = 3,888.54 Cu. Yd. use	3,890	Cu. Yd.
129			
130	Special Mixing Calcium Chloride and Crushed Aggregate - Line 127 - Area = 97.15 x 6 = 582.90 use	583	Sq. Yd.
131			
132			
133	E-1 Compacted Subgrade		
134	From Line 16 Area of T-35 Type C = 2,174 x (36 ÷ 125) = 62,611.20 Sq. Yd.		
135	From Sheet 17 Area of T-35 Type A = 356.34 x (36 ÷ 1.50) = 8,552.16 Sq. Yd.		
136	From Line 93 Area of T-31 = 15,687 ÷ 0.4 = 39,218 Sq. Yds.		
137	From Sheet 17 Area of I-7 = 351.90 Sq. Yds.		
138	Sum of Lines 134, 135, 136, and 137 = 110,733.76 Sq. Yds.		
139	Deduct Area in Rock Cut 3100 Lin. Ft. x 76 ÷ 9 = 26,177.8 Sq. Yds.		
140	Line 138 minus Line 139 = 84,555.46 Sq. Yds. use	84,556	Sq. Yd.
141			
142			

CALCULATIONS

FED. RD. DIVISION	STATE	PROJECT	
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Line No.		Description	Quantities	Unit
143				
144				
145				
146	E-11	Water		
147		From Sheet 17 Embankment = 280,443 Cu. Yd.		
148		From Line 67 Volume I-22 = 15,956 Cu. Yd.		
149		From Line 128 Volume I-18 = 3,890 Cu. Yd.		
150		From Sheet 17 Volume B-19 = 1,965 Cu. Yd.		
151		Sum of Lines 147, 148, 149 and 150 = 302,254 Cu. Yd.		
152		Water Reqd = 302,254 x (5 ÷ 1000) = 1,511.27 M-Gals. use	1,525	M Gal.
153				
154				
155				
156	L-3	Placing Stockpiled Top Soil		
157		Sta. 550+50 to Sta. 562+00 = 1150 Lin. Ft.		
158		Sta. 576+00 to Sta. 595+50 = 1950 Lin. Ft.		
159		Sum of Lines 157 and 158 = 3100 Lin. Ft. Width = 48 Lin. Ft.		
160		Area = 3100 x 48 ÷ 9 = 16,533 Sq. Yds.		
161		use	16,535	Sq. Yd.
162				
163				
164	L-9	Commercial Fertilizer (12-12-12) Applied at the rate of 20 lbs per 1000 Sq. Ft.		
165		Seeding from Sheet 17 = 179,088 Sq. Yd.		
166		Sodding from Sheet 17 = 11,806 Sq. Yd.		
167		Special Berm and Slope Protection from Sheet 17 = 200 Sq. Yd.		
168		From Line 160 Area of L-3 = 16,535 Sq. Yds.		
169		Sum of Lines 165, 166, 167 and 168 = 207,629 Sq. Yds.		
170		Commercial Fertilizer Reqd = 207,629 x (20 ÷ 1000) x (9 ÷ 2000) = 18.69 use	18.69	Tons
171				
172				
173	M-10	Furnishing and Applying Calcium Chloride		
174		From Line 127 Area of 6" Stabilized Shldrs = 97.15 x (36 ÷ 6) = 582.90 Sq. Yd.		
175		Calcium Chloride mixed at the rate of 1.5 lbs per Sq. Yd. = 582.9 x 1.5 = 874.35 lbs		
176		Additional surface application at the rate of 0.6 lbs per Sq. Yd. = 582.9 x 0.6 = 349.74 lbs		
177		Sum of Lines 175 and 176 = 1,224.09 lbs ÷ 2000 = 0.612		
178		Additional For use with Item T-10 Use 3.00 Tons		
179		Sum of Lines 177 and 178 = 3.612 Tons use	3.62	Tons
180				
181	L-1	Topsoil Stockpiled		
182		From Line 161 (Area of Placing Stockpiled Topsoil = 16,535 Sq. Yds.		
183		16,535 x 12 ÷ 36 x 1.20 = 6614 Cu. Yds Use	6614	Cu. Yds.
184				
185				
186				
187				
188				
189				
190				
191				
192				
193				
194				
195				
196				
197				
198				
199				
200				

Line No.	Description	Quantities	Unit

FED. RD. DIVISION	STATE	PROJECT	
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SUMMARY OF TABLES

Carried from Sheet No.	E-1		E-4	E-2	E-4	E-8	L-9	L-10	I-15			I-7	I-12			I-1			L-10	I - 2																				
	Roadway Excavation	Embankment	Granular Borrow As Per Plan	Excavation for Structures	Granular Borrow as per plan, including Excavation	Removal and Disposal of Existing Pavement	Seeding and Protecting Roadway Areas	Sodding	Guard Rail, Steel Beam Type (Deep)	Barrier Rail, Steel Beam Type (Deep)	Guard Rail	Reinforced Concrete Approach Slab T=13"	Concrete Curb Type 6			Pipe for Drives Lin Ft.			Special Berm & Slope Protection	Storm Sewer Sec. M-6.4(c) Lin. Ft.			Storm Sewer Under Pav't Sec. M-6.4(c) Lin. Ft	Class "A" Storm Sewer Under Pavement Lin. Ft.			Class "B" Storm Sewer Under Pavement Lin. Ft.			Class "B" Storm Sewer Lin. Ft.	Storm Sewer Under Pavement Sec. M-6.6(b) & M-6.8(b) Lin. Ft.		Storm Sewer or Sec. M-6.8(b)	Storm Sewer Sec. M-6.5(a) & 6.8(a) Lin. Ft.			Pipe Outlet for 8" Storm Sewer Sec. M-6.4(c) Lin. Ft.
	Cu. Yds.	Cu. Yds.	Cu. Yds	Cu. Yds.	Cu. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Lin. Ft.	Lin. Ft.	Lin Ft.	Sq. Yds.	Lin. Ft.			12"	15"			12"	15"	30"		30"	12"	15"	18"	8"	12"	15"	18"	8"			21"	24"	12"		18"	21"	
11																											500	300			100									
18				362				84																																
21	6,569	6,569																																						
22					29,453																																			
23				1		222		100								54												24												
24	14,680	4,527		1		2444	11,957	78	100							36												497	86						75					
26	892	94,233		3			21,025	906	1600.02											36								104	78	210					225					
28	89,974	4,145					17,013	387	78.89																															
29	21,018	9,932		1			13,270	1289																					91										
30	44,922	1,415		1			13,331	34																			110			176			147				96		10
31	52,194	0					12,064	1616																					72					254					
32	15,655	11,458		3			14,718	1835																									190						
33	69,551	2,482					16,387	1711	51.8														29																	
34	656	113,562	13,493	4			19,473	455	1821.8	87.5		351.90							200	40	55	290	50					57	49											
35	531	19,112	6,385	1			9,364	6	5043				820.86															87											
92	1,784	6,865					11,203	134																						80									
93								335																																
104	276	782					3,867		24609																															
109	811	144					1,891	359								40																								
110								67																																
113								860								54																								
114	10,344	176					5,903	277								54													54							44			
120	2,841	4,334					5,010	469	122.1								64																							
124	119	709					2612		75							96																								
126								613								52																								
127				1				191	25		528																82												
Totals	332,817	280,445	19,878	378	29,453	2666	179,088	11,806	4,625.0	87.5	528	351.90	820.86			332	118		200	40	91	290	79				82	610	1069	930	466	100		337	254	300		44	96		10

Embankment + 22% = 342,143 Cu. Yd.
Excavation = 332,817 " "
E-4, Borrow = 9326 Cu. Yd. To General Summary

Carried from Sheet No.	Sheet Name	T-35	T-35		B-35	B-35	T-30		B-20	I-22	T-31 Bituminous Surface Treatment			I-23	I-18 Stabilized Crushed Aggregate Shoulders		I-12	I-21	B-33	B-19	I-9
		Asph. Conc. Surf. Course Type C (70-85)	Asph. Conc. Surf. Course Type A (85-100)		Asph. Conc. Leveling Course (70-85)	3" Asph. Conc. Base Course (70-85)	Bituminous Prime Coat		8" Water-bound Macadam Base Course	Subbase Grading A or B.	No. 46 Aggregate	No. 6 Aggregate	Bituminous Material	Traffic Dividers	5"	6"	Standard Type 6 Curb	P.C. Concrete Median Pavement 4" Type 1	3" Bituminous Macadam Base Course	Aggregate Base Course	Stone Underdrains No 2
		Cu. Yds	Cu. Yds.		Cu. Yds.	Cu. Yds.	Gals.		Sq. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Gals.	Each	Cu. Yds.	Cu. Yds.	Lin. Ft.	Sq. Yds.	Sq. Yds.	Cu. Yds.	Lin. Ft.
17	Sum of Tables																820.86				
18	Sum of Tables		111.69																	525.79	
25	South Bound	193.85			193.85	473.56	2273.53		6623.06	1423.90	24.72	24.72	1545.80	11	359.66		513.08	24.52	3091.58		
27	South Bound	133.24			133.24	326.70	1569.80		4578.86	980.06	15.95	15.95	996.98		231.27		278.54	20.38	1993.93		
93	S. R. -3	93.35			93.35	229.44	1101.42		3038.89	662.51	6.34	6.34	396.29		193.45				792.57		205.50
100	Line 'C'	13.92			13.92	34.14	164.90		491.64	96.14	1.33	1.33	83.15		20.61				166.29		
103	S. R. -226	26.40			31.68		317.11			91.62						38.74				109.33	82.20
109	S. R. -95	67.86			81.27		779.18			206.92						58.41				266.49	108.00
114	C. R. -139		128.69				1235.30			363.13										439.12	240.00
120	C. R. -174	52.00			62.41		599.10			175.31										214.65	122.00
126	Frontage Rd.		115.96				1113.13			346.48										409.81	325.00
Totals		580.62	356.34		609.72	1063.84	9153.47		14,732.45	4,346.07	48.34	48.34	3022.22	11	804.99	97.15	1612.48	44.90	6044.37	1965.19	1082.70

R/W FENCE	
From Sheet No	Type A Fence Lin. Ft.
2	1662.97
3	3002.26
4	5664.89
5	2660.17
6	2178.62
7	704.00
Totals	15872.91

FED. RD. DIVISION	STATE	PROJECT		
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WAYNE COUNTY
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SUMMARY OF TABLES

Carried from Sheet No.	I - 3													I - 4			
	Pipe for Roadway Drainage Under Pavement Lin. Ft.				Pipe for Roadway Drainage Lin. Ft.					Outlet Pipe for Roadway Drainage Lin. Ft.			Extra Quality Drain Tile Sec M-6.7(b) Lin. Ft.	6" Pipe for Under-drains Lin. Ft.		6" Pipe for Underdrains Shallow Sec. M-6.4(h) Lin. Ft.	6" Pipe Outlets for Underdrains Sec. M-6.4(h) Lin. Ft.
		12"	18"	21"		8"	12"	15"	21"	8"	12"	21"	6"	Deep	Shallow		
11						300	300			100	100						
						✓	✓			✓	✓						
18																	
23														250			20
24		178					630				10			1948	1554		40
26															2600		
28														358	371	1700	20
29														446	2620	730	50
30														924	1337	1000	40
31																2200	
32														978	1368	710	50
33													30	2091	1309		30
34															3057		60
35															1900		40
92							172							200	218		10
93																	
100															213		
104								278							579		
109							3		133								
110				46					64			10					
113																	
114		72					131										
120																	
124																	
126																	
127																	
Totals		250		46		300	1236	278	197	100	110	10	30	7195	17,126	6340	360
														24,321			

Carried from Sheet No.	I-5 Pipe Specials for																			
	I - 4						I - 3						I-2							
													M-6.5(b)&6.8(b)			M-6.4(c)				
	6"-90° Bend	6"-45° Bend	6"-45° Wye	6"-Tees	6"-45° Bend Sec. M-6.4(h)	6"x8" Increaser	8"	12"	12" Tees		15" Tees	21"x12" Tees	8" Tees	12" Tees	8"x6" Tees	12"-25° Bends	15"-25° Bends	8"	12"	8" Class "B"
	Each																			
11							5	5										5	5	5
18																				
23		2												1						
24		1		2					3					3						
26																	2			
28		2																		
29		2	2		1															
30			3	1		2							1		1					
31																				
32		3	2																	
33	1	3		1																
34	1	2	3													2	2			
35		2		2																
92		1							1											
93																				
100			1																	
104		2	1	2							2									
109												1								
110																				
113																				
114									2											
120																				
124																				
126																				
127																				
Totals	2	20	12	8	1	2	5	5	6		2	1	1	4	1	2	4	5	5	5

Carried from Sheet No.	I - 8							I - 14				I-10	T-35	B-19	E-12	S-1	S-24
	Standard No. 1 Manhole Each	Catch Basins Each						Paved Gutter Type 1 Lin. Ft.		Paved Gutter Special Lin Ft.		Dumped Rock Channel Protection Cu. Yds.	2" Asphaltic Concrete Surface Course Type A Cu. Yds.	Aggregate Base Course For Drives 5", 6" & 7" Cu. Yds.	Pipe Removal, 15" and Under Lin. Ft.	Concrete for Structures, Class E Cu. Yds.	Removal of Existing Structures Lump
		No. 6	No. 7	2-2A	2-2B	No. 2-3 Mod.		Stand.	Modif.								
11												25					
18												9				22.77	
23			1										5.03	24.55	54	0.23	
24		2	6	3	6					30			50.36	153.26	425	0.28	
26				3						30		3.3			28	0.79	
28																	
29				1						10		14.1				0.26	
30				5						70		2.6				0.36	
31												16.7					
32				1		3			680	40						0.67	
33				2		1			1540	30		3.0					
34				2		1		140		30					100	1.00	
35				1						10						.23	Lump
92			1		1								4.42	15.86			
93															35		
100																	
104			2		1								14.77	42.74	378		
109	1		1										4.69	25.44			
110				1									0.50	1.25			
113													4.52	11.33	23		
114			2	2						20			9.78	44.17	232		
120								124					8.39	22.10			
124														148.12			
126														12.60			
127				1						10			9.23	24.37		0.30	
Totals	1	2	13	22	8	5		264	2220	280		73.7	111.69	525.79	1275	26.89	Lump

STRUCTURE TABLE
20' SPAN & UNDER

Carried from Sheet No.	Structure No.	Station	Type	Size	Length Lin. Ft.	E-2	E-3	S-1	S-27		S-28		I-10	L-10		
						Excavation for Structures Cu. Yds.	Channel Excavation Cu. Yds.	Concrete for Structures Class "E" Cu. Yds.	Pipe for Roadway Culvert Sec. M-6.6(b) or M-6.8(b) 21" Lin. Ft.	Pipe for Roadway Culvert Sec. M-6.6(c) 30" Lin. Ft.	Sectional Plate Pipe Arch Sec. M-6.4(g) 15'-6"x9'-5" Lin. Ft.		Dumped Rock Channel Protection Cu. Yds.	Sodding Sq. Yds.		
130	Way-3-1185	625+85	Pipe-Arch	15'-6"x9'-5"	140	193	306	21.03			140			58		
130	Way-3-1028	543+00	Pipe	30"	228	112	44	1.02		228			5	15		
131	S.R.-3-1027	542+00	Pipe	21"	108	57	44	0.72	108				4	11		
Totals						362	394	22.77	108	228	140		9	84		

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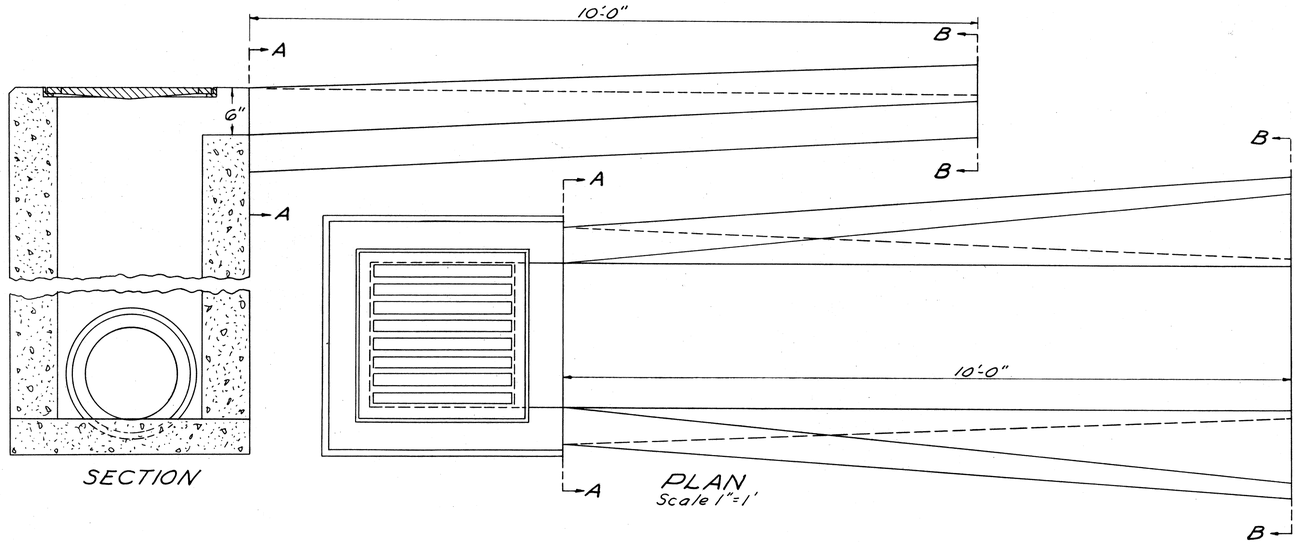
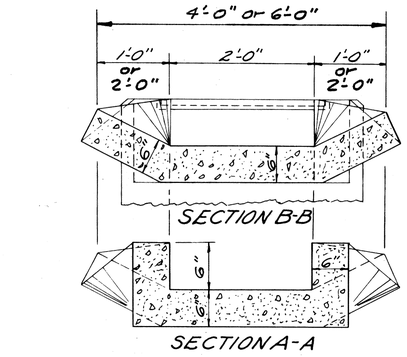
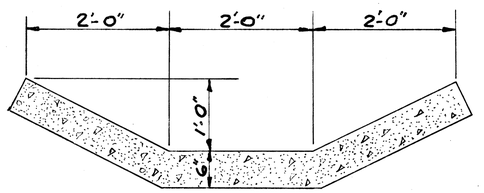
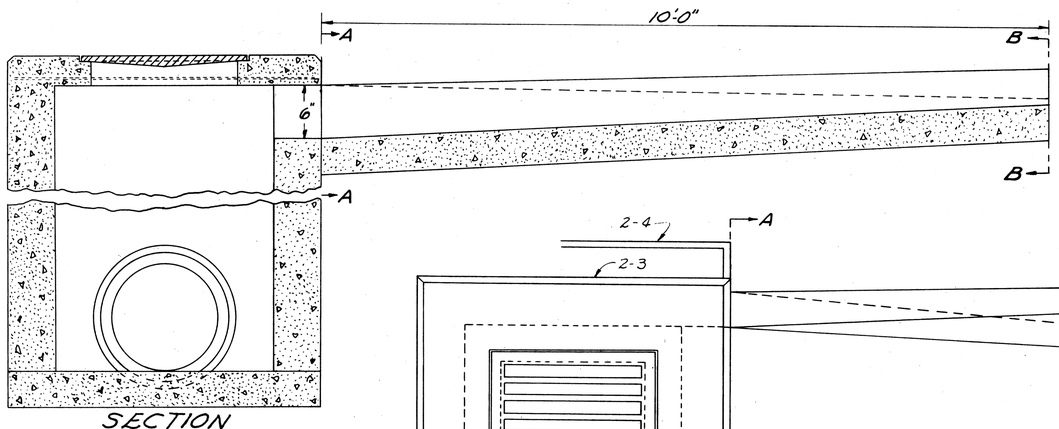


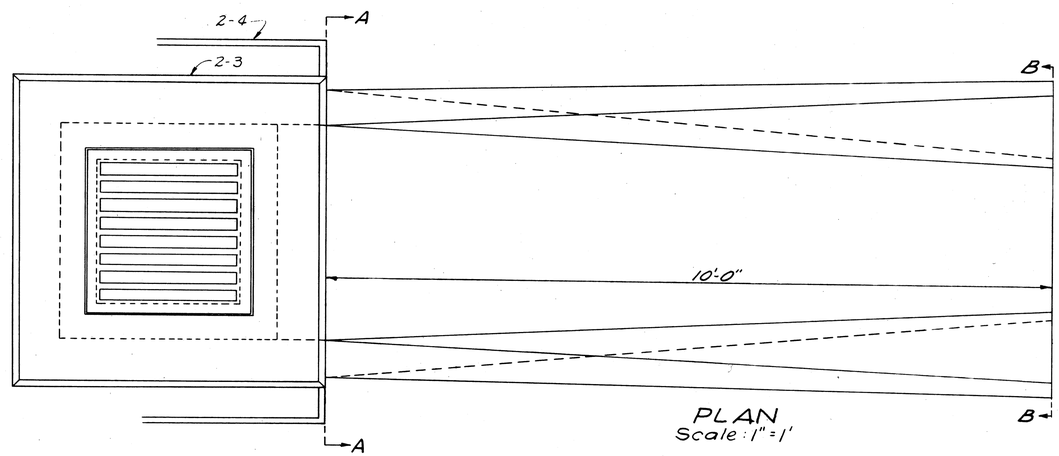
2-2-A Catch Basin with Item I-14 Paved Gutter Special



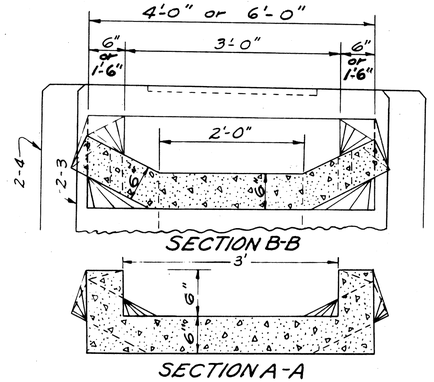


MODIFIED TYPE I PAVED GUTTER





Modified 2-3 & 2-4 Catch Basin with Item I-14 Paved Gutter Special



For Dimensions not shown see Standard Drawing I-B C.B. 2-3 & 2-4

Note: Modification of the Nº 2-3 & 2-4 Catch Basins consists of providing windows as required, without bars, dimensioned as shown in Section A-A.

GUTTER & CATCH BASIN MODIFICATIONS

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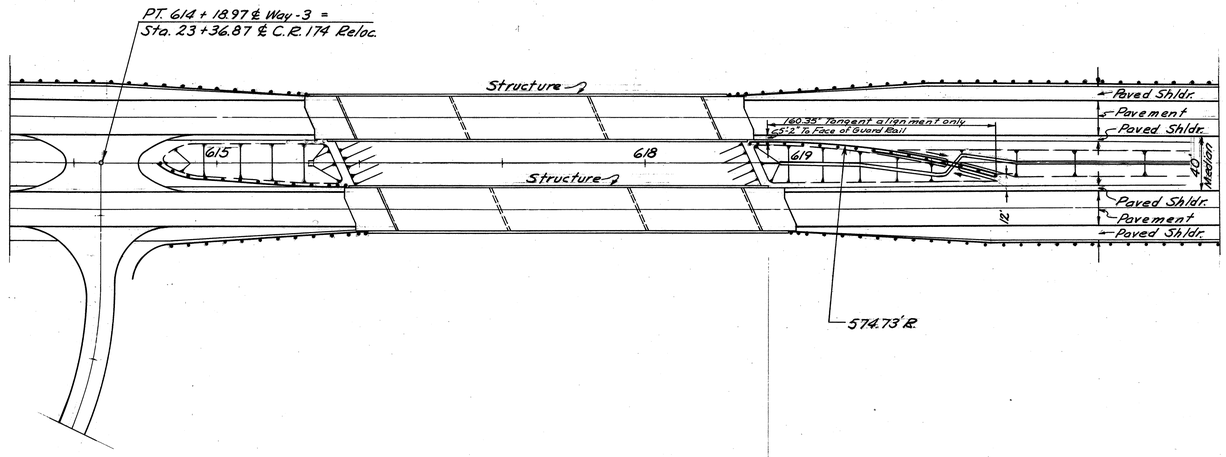
GUARD RAIL PROTECTION

FOUR LANE DIVIDED, 40' MEDIAN, AT TWIN STRUCTURES



NOTES

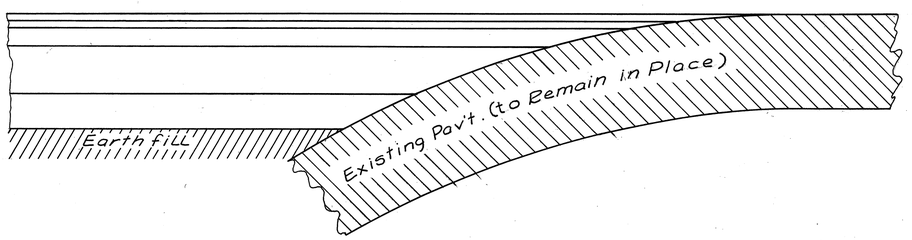
GENERAL: Design details shown hereon shall govern the construction of guard rail at structures unless otherwise shown on the plans.

DIKE shall be provided at each end of each pair of structures.

OFFSETS for guard rail are based on the use of 5ft-2in. offset to median parapet and 2ft. width outside shoulder. If other shoulder widths are used, the offsets shall be adjusted accordingly.

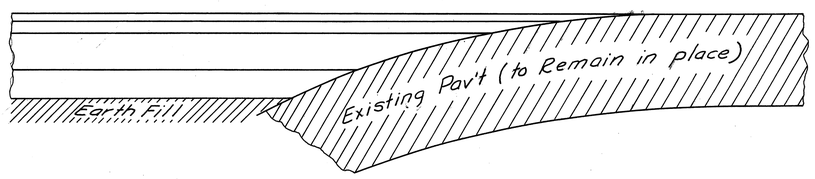
DISTANCE BETWEEN EDGE OF PAVEMENT AND FACE OF GUARD RAIL			
POST	OFFSET	POST	OFFSET
0	5.17	7	10.03
1/2	5.17	8	11.82
1	5.17	9	13.84
2	5.31	10	16.15
3	5.71	11	18.72
4	6.39	12	22.02
5	7.34	13	24.63
6	8.57	14	28.00

SEE SHEET NO. 8
FOR PAVEMENT TYPE

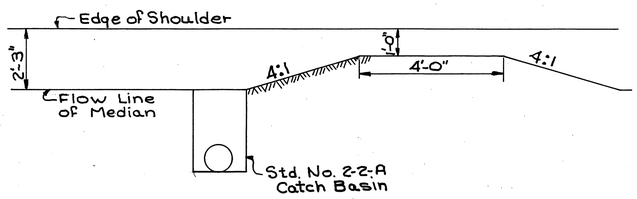


EXISTING S.R. 3 MERGER OF NEW FILL PAV'T. WITH EXISTING PAV'T.

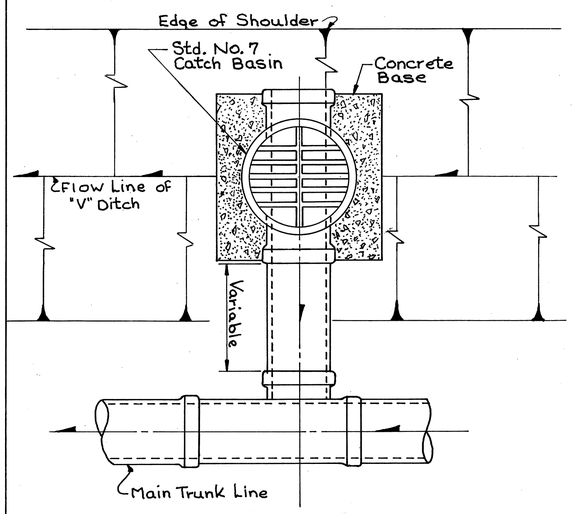
SEE SHEET NO. 9
FOR PAVEMENT TYPE



S.R. 226 MERGER OF NEW FILL PAV'T WITH EXISTING PAV'T.



Detail of dike on continuous Grade @ Sta. 566+50 ℄ Sta. 602+50, Sta. 624+75 Top of dike 0.5' Below Edge of Shoulder



Detail for Offseting No. 7 Catch Basin

SPECIAL CONSTRUCTION DETAILS

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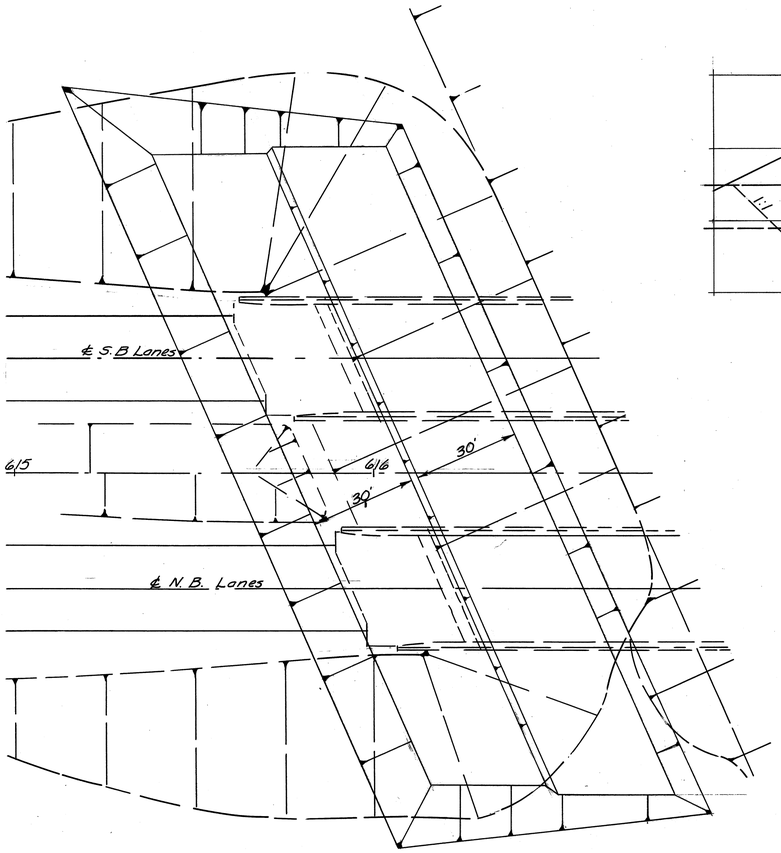
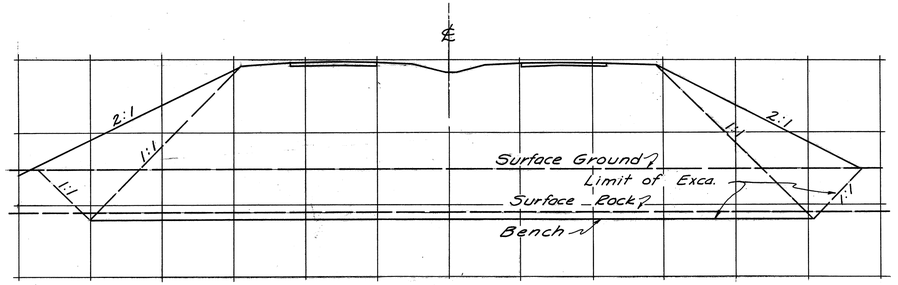
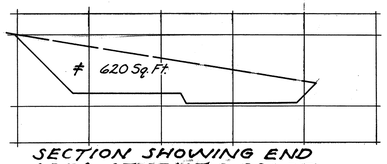


PLAN



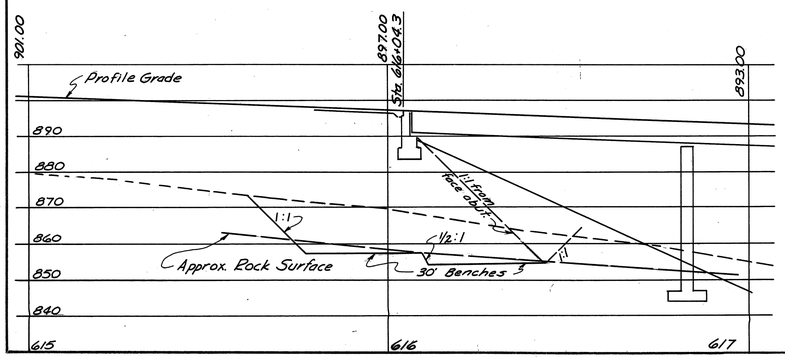
SECTION

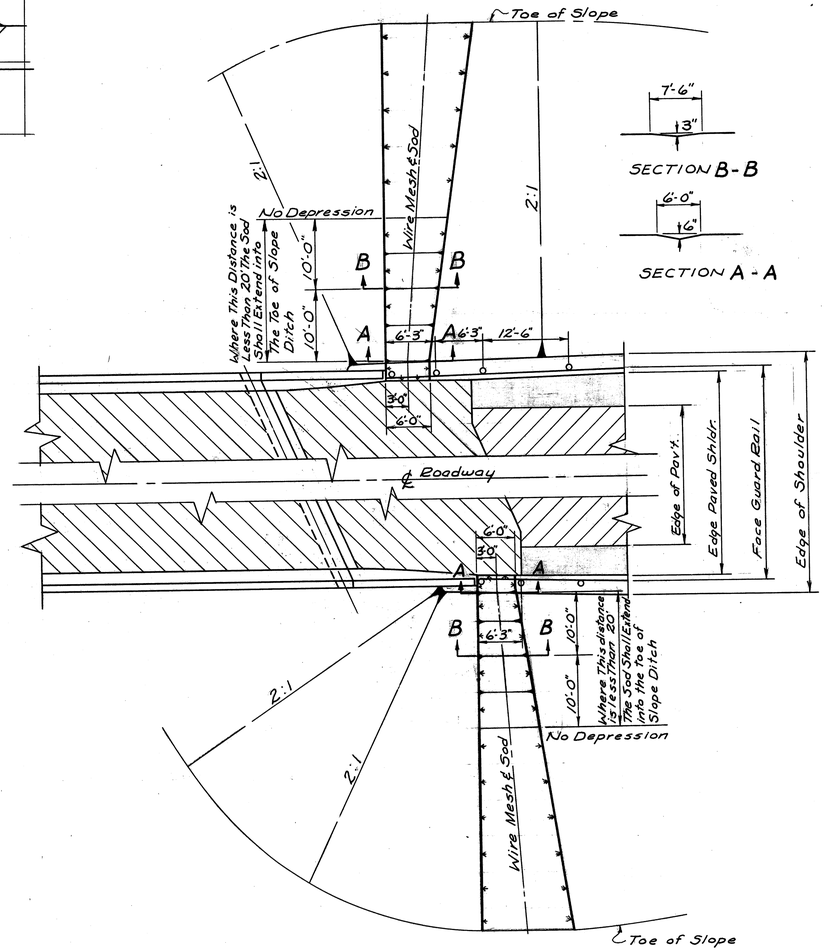


SECTION SHOWING END AREA AT 85' LT. & 82' RT.

Sta.		Excavation End Area	Cu. Yds.
1+38	Lt.	0	
			182
110	Lt.	350	
			449
≠ 85	Lt.	620	
			5504
≠ 82	Rt.	620	
			404
110	Rt.	160	
			30
120	Rt.	0	

Total Excavation & Embankment 6569





TYPICAL
APPROACH SLAB
EROSION CONTROL

BENCHING DETAILS STA. 616+00 & TYPICAL APPROACH SLAB EROSION CONTROL

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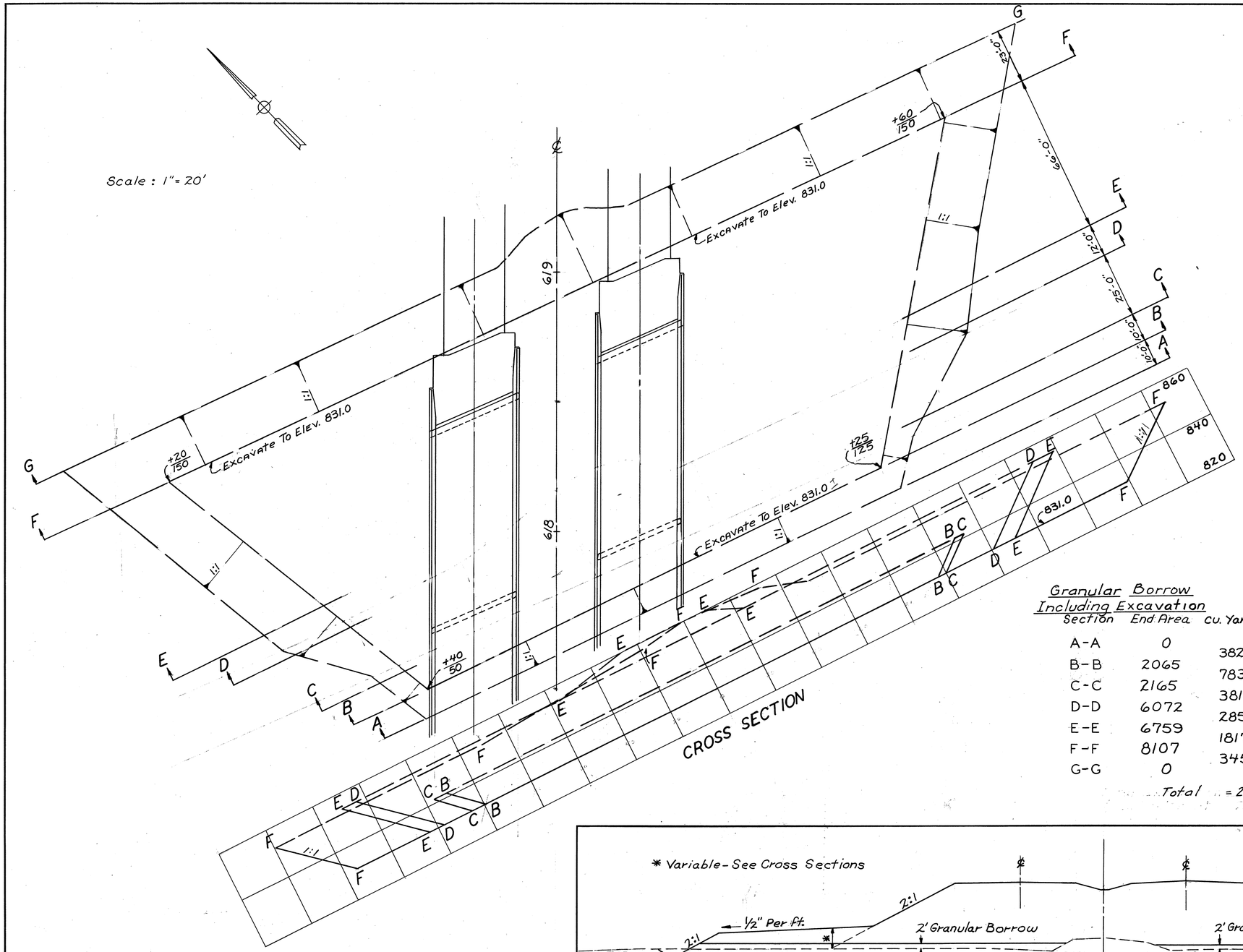
Scale : 1" = 20'



Note: Total Excavation of unsuitable material will be required in the vicinity of the forward abutment of the bridge over Killbuck Creek to the depth and limits as shown in this detail.

The space occupied by the excavated material shall be backfilled with Item E-4 Borrow Using Granular Material, as per plan, including the cost of excavation of the unsuitable material.

See General Notes on Sheet No. 12.

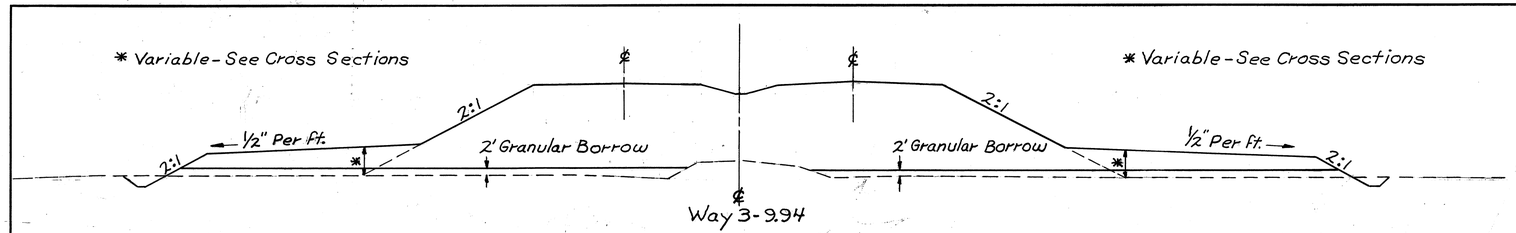
Granular Borrow
Including Excavation

Section	End Area	cu. Yards
A-A	0	
		382
B-B	2065	
		783
C-C	2165	
		3814
D-D	6072	
		2851
E-E	6759	
		18170
F-F	8107	
		3453
G-G	0	

Total = 29,453 Cu. Yd.

Backfill

E-4 Borrow Using Granular Material as per plan including the cost of excavation of the unsuitable material.... 29,453 Cu. Yds.



TOE OF SLOPE LOADING
STA. 618+50 TO STA. 625+75

UNSUITABLE MATERIAL TREATMENT

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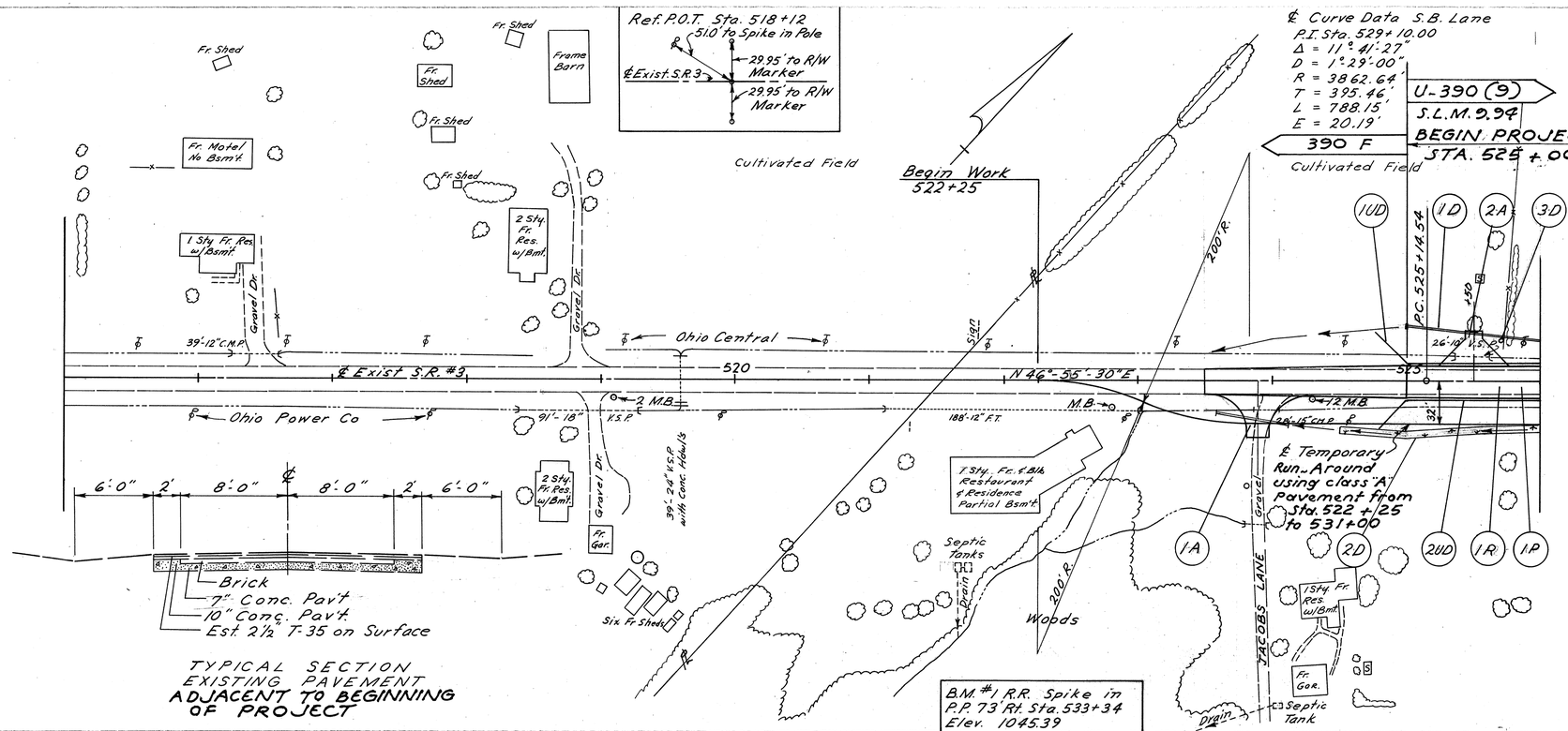
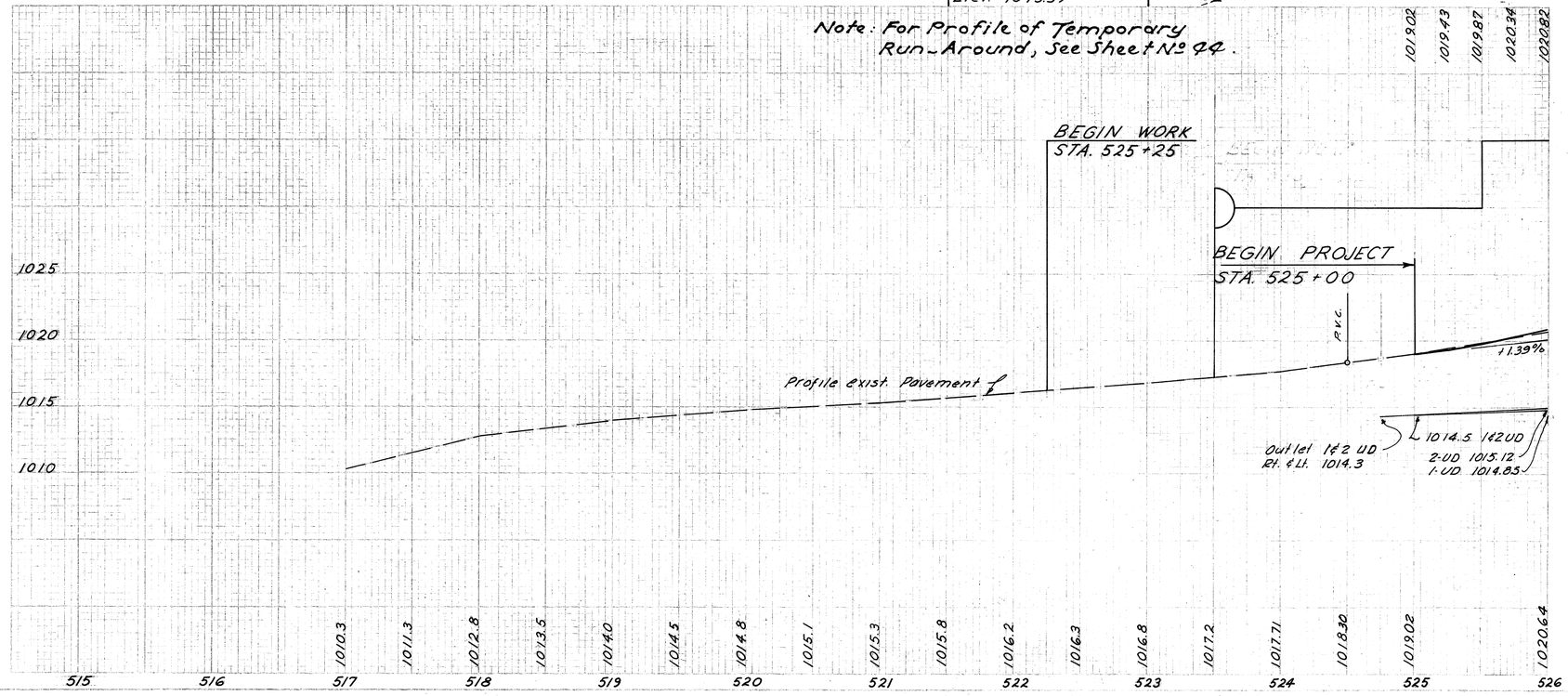


Item No.	Station From	Station To	Side	L-10 Sodding Width	L-10 Sodding Lin. Ft.	L-10 Sodding Sq. Yd.	I-2 Storm Sewer Sec. M 6.5(a) Sec. M 6.8(a) Class "B" Under Pvt. Lin. Ft. 12"	I-2 Storm Sewer Sec. M 6.5(a) Sec. M 6.8(a) Class "B" Under Pvt. Lin. Ft. 12"	S-1 Concrete for Structures Cu. Yds.	E-8 Removal & Disposal of Exist. Pavement Sq. Yds.	I-8 Catch Basin No. 7 Each	I-5 Pipe Special 12" Tee Each
1-D	525+00	526+00	Lt.				72	24	0.23			
2-D	524+50	526+00	Rt.	6	100							
3-D	525+70		Lt.				3				1	1
1-E	525+00	526+00								222		
		Totals			100	75		24	0.23	222	1	1

Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain Deep Lin. Ft.	I-4 6" Pipe Outlet For Underdrain Lin. Ft.	I-5 Pipe Special 6" 45° Bend Ea.
1UD	524+75	526+00	Lt.	125	10	1
2UD	524+75	526+00	Rt.	125	10	1
		Totals		250	20	2

Item No.	Station From	Station To	Side	Width Ft.	Len. Ft.	B-19 Crushed Aggregate Base Course Cu. Yds. 7"	B-19 Crushed Aggregate Base Course Cu. Yds. 6"	T-35 Asphaltic Concrete Surface Course Cu. Yds. 2"	I-1 Pipe For Drives Lin. Ft. 12"	I-1 Pipe For Drives Lin. Ft. 15"	E-12 Pipe Removed 15" & Under
1-A	523+90		Rt.	16	31	18.77		5.03		54	28
2-A	525+50		Lt.		28		5.78				26
		Totals				18.77	5.78	5.03		54	54

For Pavement Quantities See Sheet No. 25



Sta 515+00 to Sta. 526+00

See Sheet 38 For Driveway Details Not Standard

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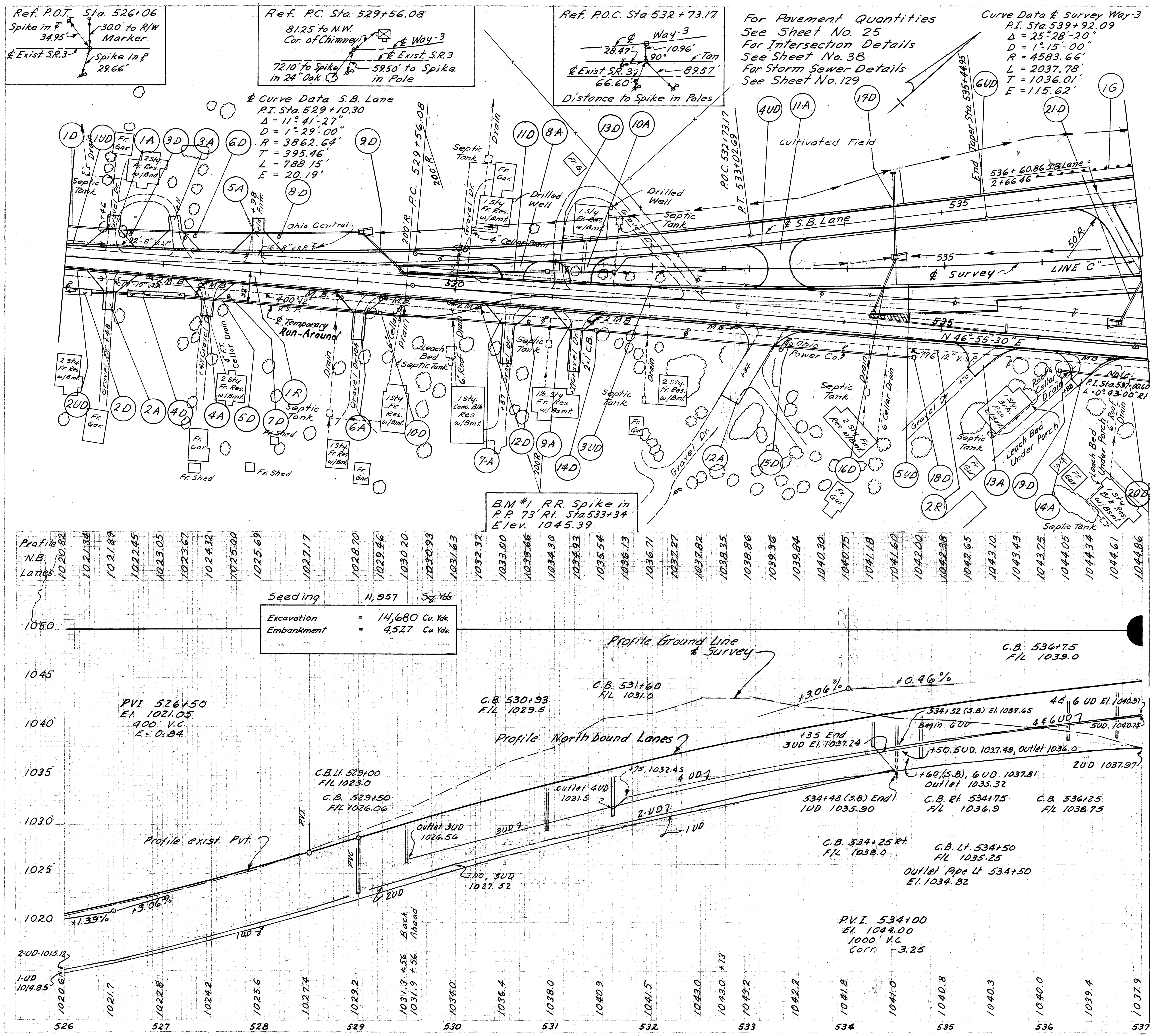

Item No.	Station From	Station To	Side	L-10 Sodding Width Lin.Ft.	L-10 Sodding Sq. Yds.	I-8 Catch Basins No. 7 Ea.	I-8 Catch Basins No. 2-2A Ea.	I-8 Catch Basins No. 6 Ea.	I-8 Catch Basins No. 2-2B Ea.	I-3 Roadway Drainage Lin.Ft. 12"	I-3 Roadway Drainage Under Pvt. Lin.Ft. 12"	I-3 Outlet for Rdwy. Drain. Lin.Ft. 12"	I-14 Paved Gutter Special Lin.Ft. 12"	I-2 Storm Sewer Sec.M-6.5(b) Sec.M-6.8(b) Lin.Ft. 12"	I-2 Storm Sewer Class "B" Under Pvt. Lin.Ft. 12"	I-2 Storm Sewer Class "B" Under Pvt. Lin.Ft. 15"	S-1 Conc. For Str. Class "E" Cu.Yds.	I-5 Pipe Special 12" Tee Ea.
1-D	526+00	529+00	Lt.											216	72			3
2-D	526+00	526+30	Rt.	6	20													
3-D	526+65		Lt.			1								3				
4-D	526+66	527+25	Rt.	6	40													
5-D	527+25	534+75	Rt.							580	144	10						3
6-D	527+30		Lt.			1								3				
7-D	527+70		Rt.			1				3								
8-D	528+15		Lt.			1								3				
9-D	529+00	529+50	Lt.	1.5	6		1						10		62			
10-D	529+25		Rt.						1									
11-D	529+50	530+93	Ctr.					1							142			
12-D	530+78		Rt.			1				3								
13-D	530+93	531+60	Ctr.						2						66			
14-D	531+50		Rt.						1									
15-D	533+48		Rt.			1				3								
16-D	534+26	534+50	Ctr.					1							60			
17-D	534+50		Lt.	1.5	6		1						10			86	0.28	
18-D	534+75		Rt.						1									
19-D	536+25		Rt.						1									
20-D	536+25	537+00	Rt.							41	34							
21-D	536+75	537+25	Ctr.	1.5	6		1						10		95			
		Totals			78	6	3	2	6	630	178	10	30	225	497	86	0.28	6

Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain Shallow Lin.Ft.	I-4 6" Pipe Underdrain Deep Lin.Ft.	I-4 6" Pipe Outlet For Underdrain Lin.Ft.	I-5 Pipe Specials 6" 45° Bend Ea.	I-5 Pipe Specials 6" Tee Ea.			I-15 Guard Rail Steel Beam Type Deep Lin.Ft.	
1UD	526+00	534+48	Lt.		848							
2UD	526+00	537+00	Rt.		1100							
3UD	529+50	534+35	Rt.	475		10						
4UD	531+60	537+00	Lt.	531		10	1					
5UD	534+40	537+00	Rt.	278		10		1				
6UD	534+52	537+00	Lt.	270		10		1				
1-G	536+00	537+00	Lt.								100	
		Totals		1554	1948	40	1	2			100	

Item No.	Station From	Station To	Side	Width Lin.Ft.	Length Lin.Ft.	Skew	B-19 Crushed Aggregate Base Course Cu. Yds. 7"	B-19 Crushed Aggregate Base Course Cu. Yds. 5"	B-19 Crushed Aggregate Base Course Cu. Yds. 6"	T-35 Asphaltic Concrete Base Course Cu. Yds. 2"	I-1 Pipe For Drives Lin. Ft. 12"		E-12 Pipe Removed 15" & Under Lin. Ft.	E-8 Removal & Disposal of Exist Pv't. Sq. Yds.
1-A	526+46		Lt.		33			6.22		2.32				
2-A	526+48		Rt.		38			7.22		2.69	36		17	
3-A	527+11		Lt.		28			5.21		1.95			92	
4-A	527+48		Rt.		38			7.22		2.69				
5-A	527+98		Lt.		32				6.65				16	
6-A	529+04		Rt.		48			9.22		3.43				
7-A	530+57		Rt.		60			11.63		4.32				
8-A	530+57		Ctr.					4.63		1.85				
9-A	531+27		Rt.		65			12.53		4.69				
10-A	531+27		Ctr.					12.58		3.16				
11-A	533+30		Ctr.				27.16			6.91				
12-A	533+34		Rt.	20	88	24°		26.73		10.09				
13-A	535+70		Rt.		41	45°		7.72		2.95				
14-A	536+88		Rt.		43	45°		8.54		3.31				
1-R	526+00	537+00												2,444
2-R	534+00	537+00											300	
		Totals					27.16	119.45	6.65	50.36	36		425	2,444

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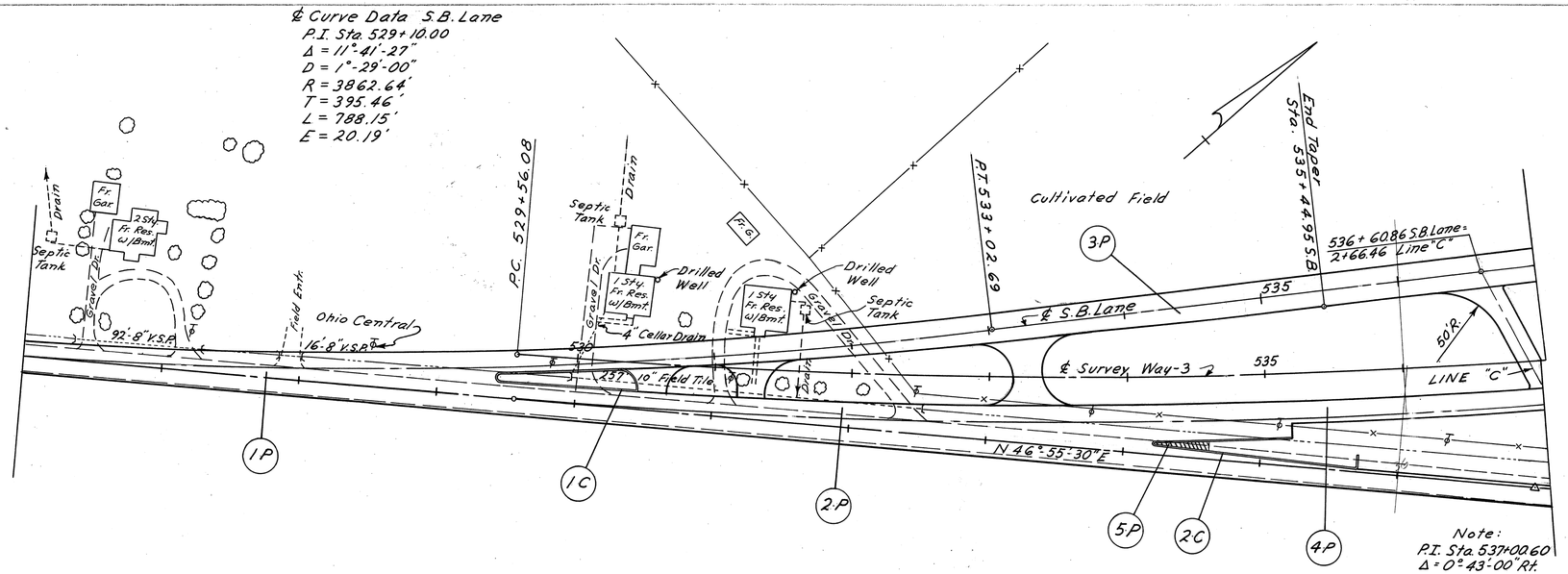
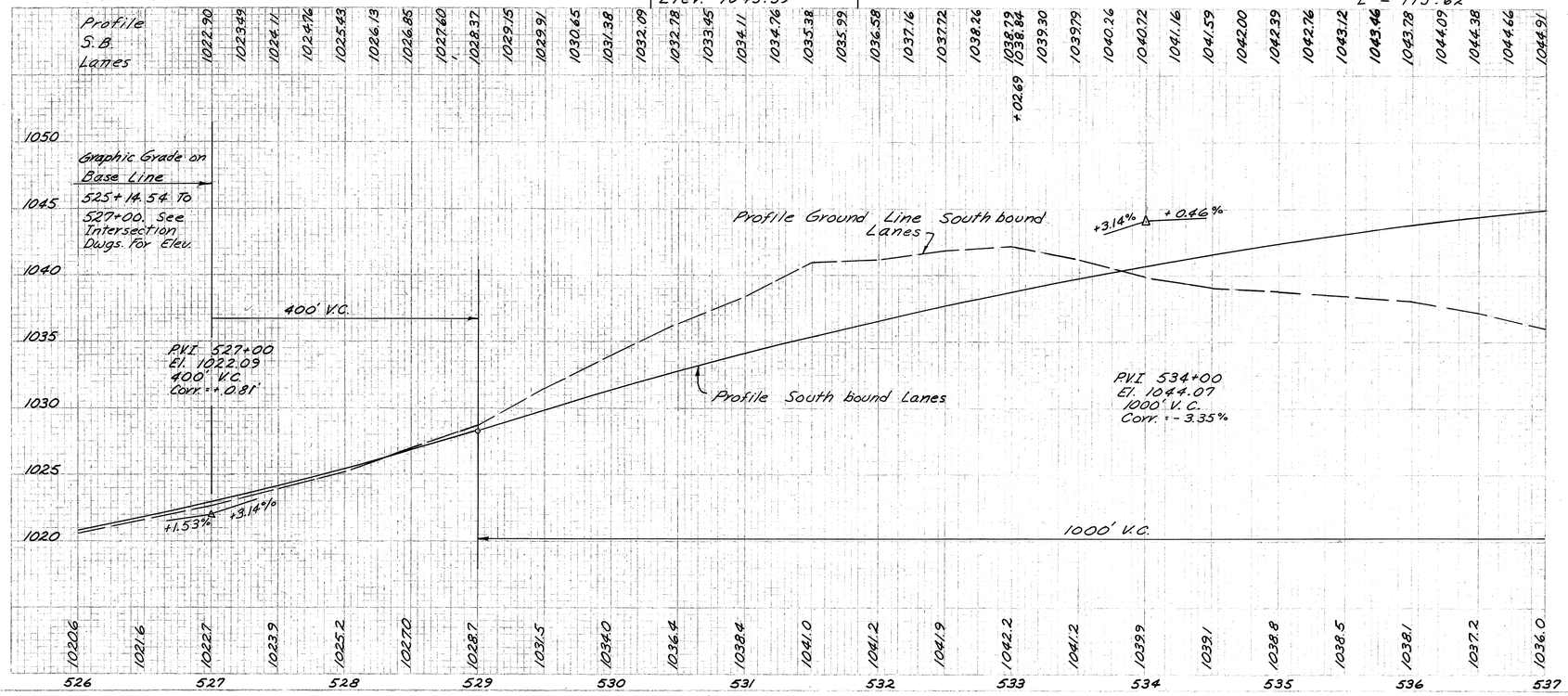


Curve Data ℄ Survey Way-3
P.I. 539+92.09
Δ = 25°-28'-20"
D = 1°-15'-00"
R = 4583.66'
L = 2037.78'
T = 1036.01'
E = 115.62'

BM #1 R.R. Spike in P.P. 73' Rt. Sta. 533+34 Elev. 1045.39



Item No.	Station From	Station To	Side	T-35 Asphaltic Conc. Surface Course (1¼ Type C) Cu. Yd.	B-35 Asphaltic Conc. Leveling Course 3" (70-85) Cu. Yd.	B-35 Asphaltic Conc. Base Course 3"(70-85) Cu. Yd.	T-30 Bituminous Prime Coat .4 Gal/Sq. Yd. Gal.	B-20 Waterbound Mac. Base Course 8" Sq. Yd.	T-22 Subbase Grading A or B 6" Cu. Yd.	T-18 Stabilized Crushed Agg. Shldr. 5" Cu. Yd.	B-33 Bituminous Mix. Course 3" Sq. Yd.	No. 6 Aggregate .08 Co. Yd. Per Sq. Yd. Cu. Yd.	No. 46 Aggregate .08 Co. Yd. Per Sq. Yd. Cu. Yd.	T-31 Bit. Material 2 Applications .25 Gal./Sq. Yd. Per Sq. Yd. Gal.	T-21 P.C. Concrete Median Pav't. 6" (Type 1) Sq. Yd.	T-12 Concrete Curb Type 6 Lin. Ft.	I-23 Traffic Dividers Each
1-P	525+00	529+44.84		54.29	54.29	132.34	635.33	1835.46	400.97	118.49	986.46	7.89	7.89	493.23			11
2-P	529+44.84	534+22.90	N.B.	59.09	59.09	143.81	690.33	1965.55	425.27	79.45	704.11	5.63	5.63	352.06			
3-P	529+44.84	537+00	S.B.	58.31	58.31	143.22	687.74	2086.25	437.62	127.38	1109.35	8.87	8.87	554.68			
4-P	534+22.90	537+00	N.B.	22.16	22.16	54.19	260.13	735.80	160.04	34.34	291.66	2.33	2.33	145.83			
5-P	534+21	534+61													24.52		
1-C	529+40	530+47													228.65		
2-C	534+23	535+50													284.43		
		Totals		193.85	193.85	473.56	2273.53	6623.06	1423.90	359.66	3091.58	24.72	24.72	1545.80	24.52	513.08	11

Sta. 526+00 to Sta. 537+00 "S.B."

FED. AID DIVISION	STATE	PROJECT		
2	OHIO			

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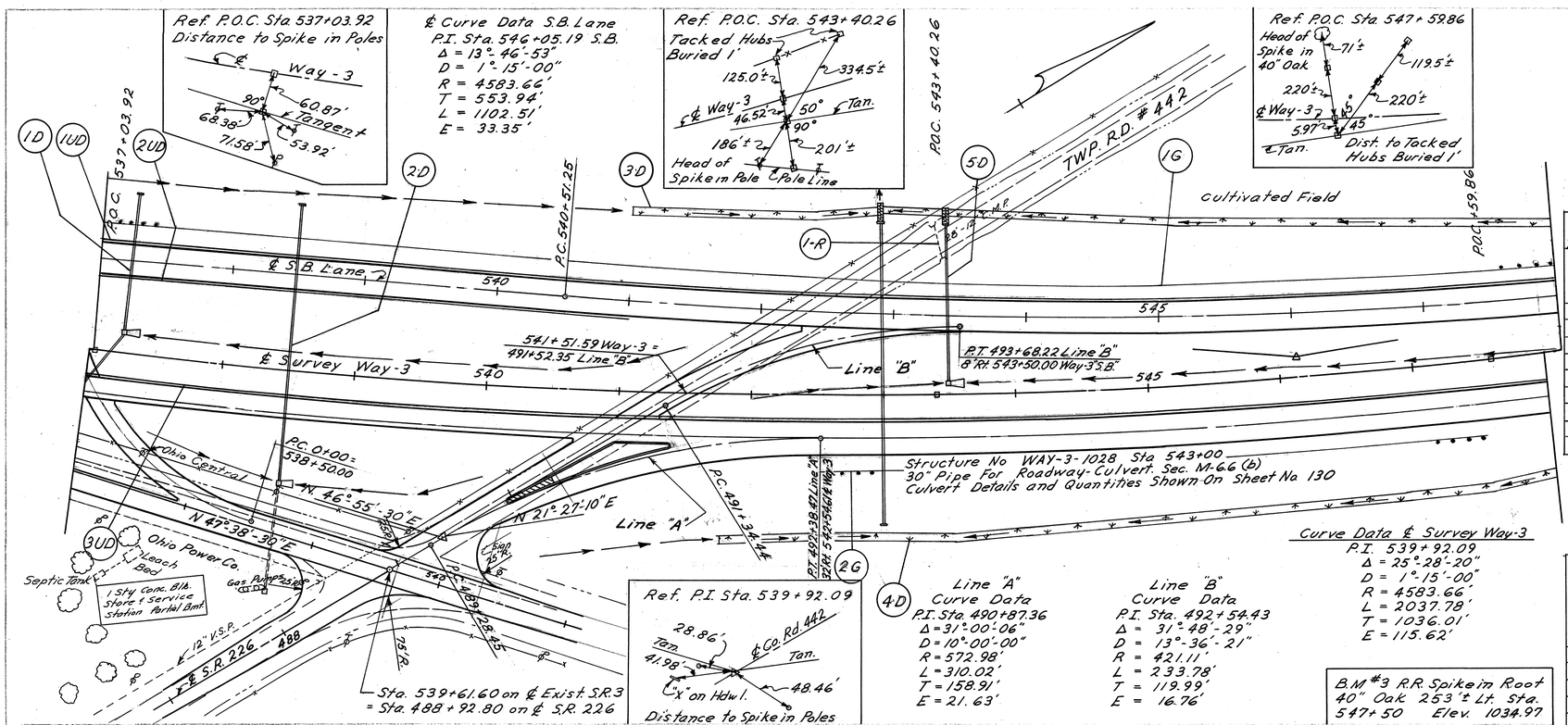
WAYNE COUNTY
WAY-3-9.94



Item No.	Station From	Station To	Side	L-10 Sodding Width	L-10 Sodding Sq. Yds.	I-8 Catch Basins No. 2A	I-2 Class "B" Storm Sewer Under Pt. 12"	I-2 Class "B" Storm Sewer Under Pt. 15"	I-2 Class "B" Storm Sewer Under Pt. 18"	I-2 Storm Sewer Sec-116.4(c) 15" Lin. Ft.	I-5 Pipe Spec. 25° Bend 15"	I.14 Spec. Pvd. Gutter Lin. Ft.	S-1 Concrete For Structures Class "E" Cu. Yds.	I-10 Dumped Rock Channel Protection Depth in	I-10 Dumped Rock Channel Protection Cu. Yds.
1-D	537+25		Lt.	1.5	6	1		104				10	0.23		
2-D	538+50			1.5	6	1			210			10	0.30		
3-D	541+00	548+00	Lt.	6	469										
4-D	541+75	548+00	Rt.	6	419										
5-D	543+50		Lt.	1.5	6	1		78		36	2	10	0.26	30	3.3
		Totals			906	3		104	78	210	36	2	30	0.79	3.3

Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain Shallow Lin. Ft.	I-15 Guard Rail Steel Beam Type (Deep) Lin. Ft.		E-12 Pipe Removal 15" and Under Lin. Ft.
1-UD	537+00	548+00	Lt.	1100			
2-UD	537+00	541+00	Lt.	400			
3-UD	537+00	548+00	Rt.	1100			
1-R	543+40	543+45	Lt.				28
1-G	537+00	548+00	Lt.		1096.11		
2-G	542+54.61	547+52.44	Rt.		503.91		
		Totals		2600	1600.02		28

For Pavement Quantities See Sheet No. 27
For Intersection Detail See Sheet No. 39

Sta. 537+00 to Sta. 548+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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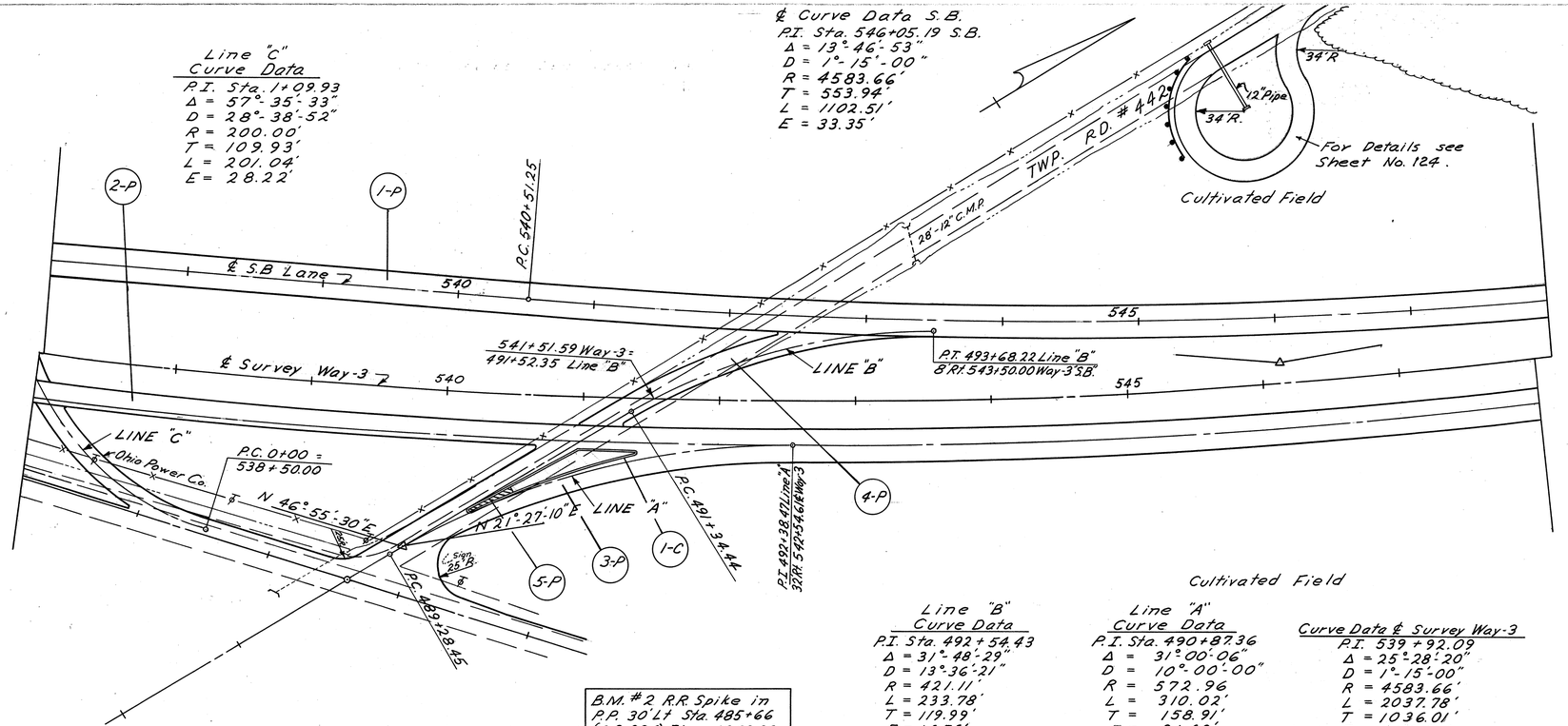
WAYNE COUNTY
WAY-3-9.94



Item No.	Station From	Station To	Side	T-35 Asphaltic Conc. Surface Course 1½" Type C Cu. Yd.	B-35 Asphaltic Conc. Leveling Course (Type C) 1½" Cu. Yd.	B-35 Asphaltic Conc. Base Course 3" (110-65) Cu. Yd.	T-30 Bituminous Prime Coat .4 Gal/Sq. Yd. Gal.	B-20 Water Bound Mac. Base Course 8" Sq. Yd.	T-22 Subbase Grading A or B 6" Cu. Yd.	T-18 Stabilized Crushed Agg. Shldr. 5" Cu. Yd.	B-33 Bituminous Mac. Base Course 3" Sq. Yd.	No. 6 Aggregate .08 Cu. Yd. Per Sq. Yd. Cu. Yd.	T-31 No. 46 Aggregate .06 Cu. Yd. Per Sq. Yd. Cu. Yd.	Bit. Material 2 Application .25 Gal. Per Sq. Yd. Gal.	I-21 P.C. Concrete Median Mnt. 4" (Type 1) Sq. Yd.	I-12 Concrete Curb Type 6 Lin. Ft.
1-P	537+00	539+50	SB	60.19	60.19	147.45	707.78	2075.22	422.53	109.75	954.76	7.64	7.64	477.38		
2-P	537+00	542+46	NB	33.92	33.92	83.55	401.10	1178.57	315.02	78.00	646.33	5.17	5.17	323.17		
3-P	489+08.36	490+65.70	A,B	27.40	27.40	66.89	321.12	920.50	153.87	21.63	213.93	1.71	1.71	106.97		
4-P	491+14	493+96.22	A	11.73	11.73	28.81	139.80	404.63	88.64	21.89	178.91	1.43	1.43	89.46		
5-P	489+96	490+40													20.38	
1-C	489+96	491+28													2 78.54	
		Totals		133.24	133.24	326.70	1569.80	4578.86	980.06	231.27	1993.93	15.95	15.95	996.98	20.38	278.54

Sta. 537+00 to Sta. 548+00 "S. B."

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

WAY-3-9.94
Proj. 265 (1961)
Change Order No.1

Due to the changes listed below:

(a) Change the flow line Elevations of the following Catch Basins:

Location	Plan Elev.	Prop. Elev.
Sta. 570+05 Lt.	1014.00	1014.15
sta. 570+50 ℄	1012.64	1013.83
Sta. 572+25 ℄	1013.60	1013.13
Sta. 572+25 Lt.	1014.30	1013.40

(b) Reverse the direction of flow of the I-4 Underdrains on the Lt. Side from Sta. 570+25 to Sta. 572+25. The revised I-4 to have 0.4% Grade and to enter C.B. at Sta. 572+25 Lt. at Elev. 1013.80

Add from C.B. to C.B. 173 L.F. of 15" Class "B" I-2 under pav't.

Additions at location shown:
2 Cu. Yds. B-19 Aggregate Base Course
1 Each I-8 Std. No. 2-2-B Catch Basin
110 Lin. Ft. 21" I-3 Roadway Drainage
60 Lin. Ft. 21" I-3 Roadway Drainage Under Pav't & Approach
10 Lin. Ft. 21" I-3 Bitum. Coated Corr. Pipe Sec. M-6.4 (c) outlet for Rdwy. Drainage

Addition: Ditch Cleanout (See Cross Sections)

Replace Exist. Pav't. with 3" B-35
2" T-35 (Type "A")
8" B-19

Non-perform all 8' wide Sodding (306 Sq. Yds. L-10) and add at location shown 100 Sq. Yds. L-10 6' wide Sodding.
Non-perform deep ditch. (See Cross Sections)

Non-perform 96' of 21" I-2 Storm Sewer Sec. M-6.5 (a) or M-6.8 (a), 1-I-8 Std. No. 1 Manhole, 1-I-5 21"x12" Pipe Special, 197' 21" I-3 Roadway Drainage, 46' 21" I-3 Roadway Drainage Under Pavement, 10' 21" I-3 outlet for Roadway Drainage and replace at same location (see revised grade) with 293' of 12" I-3 Roadway Drainage Pipe, 46' of 12" I-3 Roadway Drainage Under Pavement, 10' of 12" I-3 outlet pipe for Roadway Drainage, 1-12"x12" I-5 Pipe Special and 1-I-8 Std. No. 2-2-B Catch Basin at Manhole location.

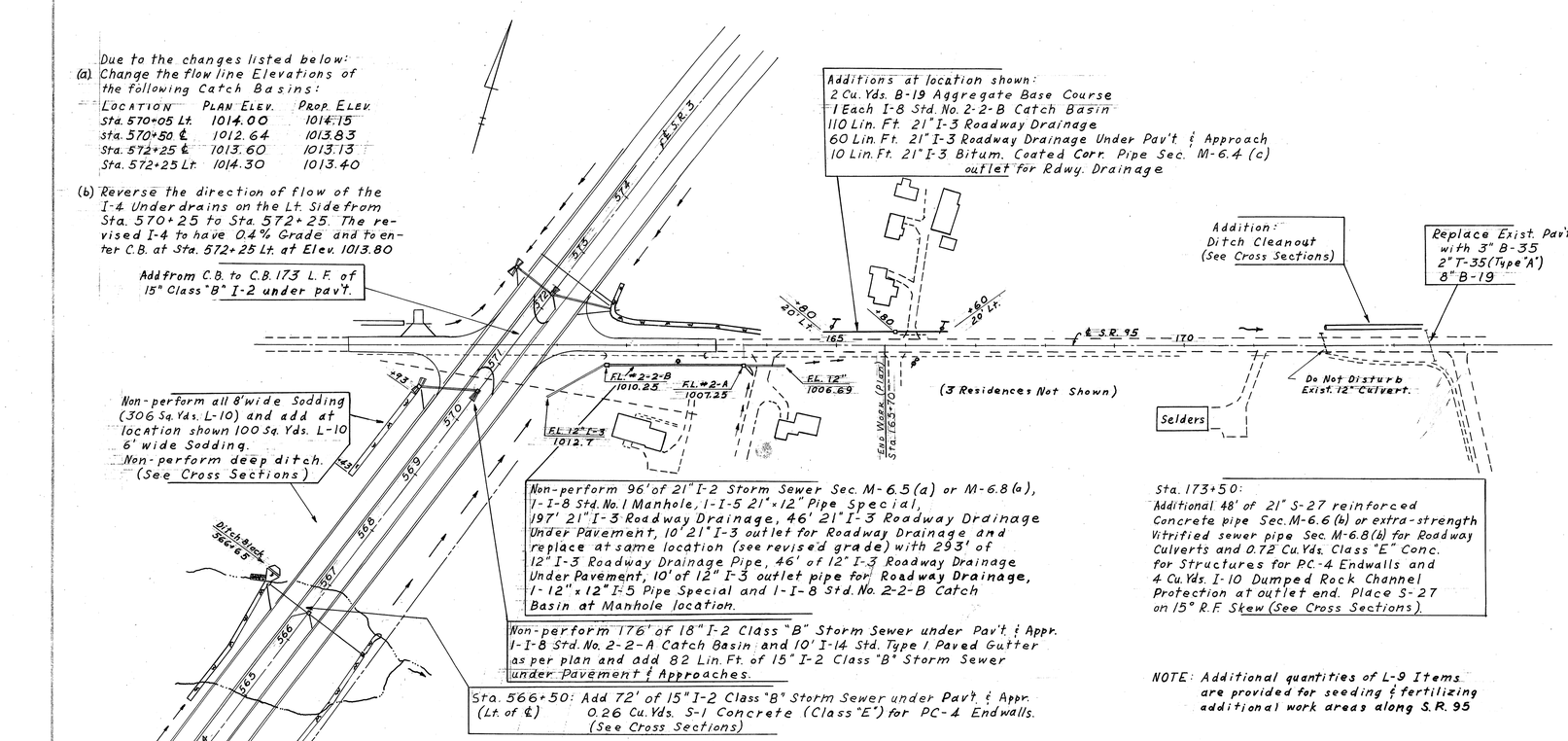
Non-perform 176' of 18" I-2 Class "B" Storm Sewer under Pav't & Appr. 1-I-8 Std. No. 2-2-A Catch Basin and 10' I-14 Std. Type 1 Paved Gutter as per plan and add 82 Lin. Ft. of 15" I-2 Class "B" Storm Sewer under Pavement & Approaches.

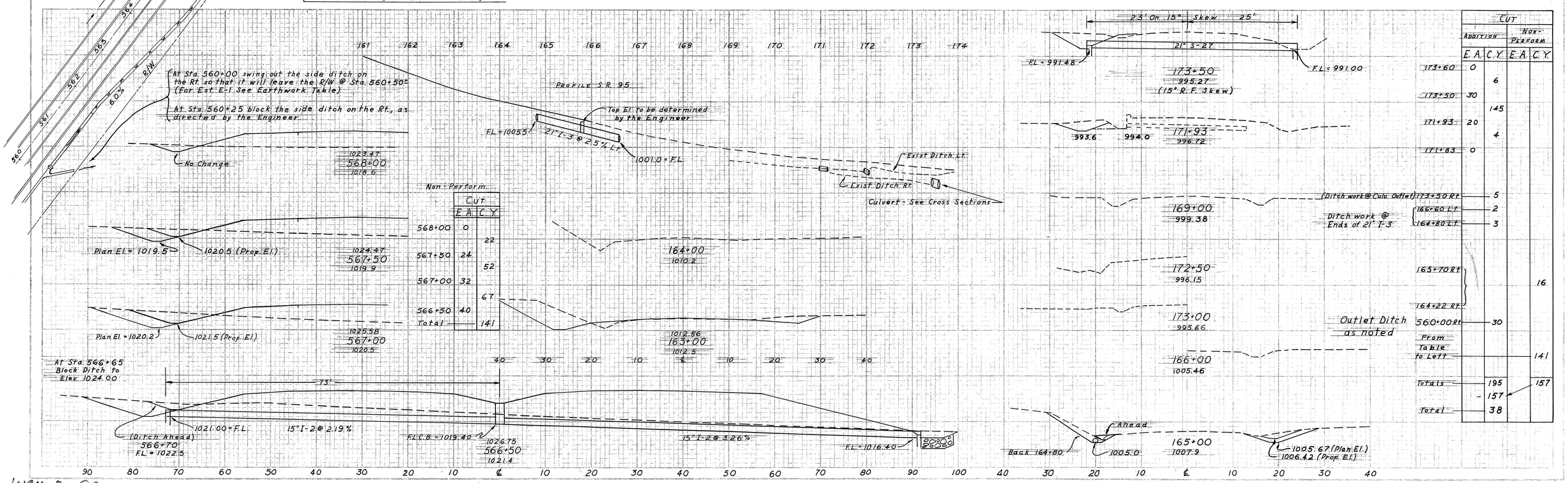
Sta. 566+50: Add 7.2' of 15" I-2 Class "B" Storm Sewer under Pav't & Appr. (Lt. of ℄) 0.26 Cu. Yds. S-1 Concrete (Class "E") for PC-4 Endwalls. (See Cross Sections)

Sta. 173+50: Additional 48' of 21" S-27 reinforced Concrete pipe Sec. M-6.6 (b) or extra-strength Vitrified sewer pipe Sec. M-6.8 (b) for Roadway Culverts and 0.72 Cu. Yds. Class "E" Conc. for Structures for PC.-4 Endwalls and 4 Cu. Yds. I-10 Dumped Rock Channel Protection at outlet end. Place S-27 on 15° R.F. Skew (See Cross Sections).

NOTE: Additional quantities of L-9 Items are provided for seeding & fertilizing additional work areas along S.R. 95

Proj. Ref. No.	Item	Quantities Additions	Quantities Non-Perform	Unit	Description
1	E-1	38		Cu. Yds.	Roadway Excavation, Method "B", as per plan
16	L-9	900		Sq. Yds.	Seeding and Protecting as per plan
17	L-9	0.08		Tons	Commercial Fertilizer (12-12-12)
18	L-10		206	Sq. Yds.	Sodding, as per plan
29	E-2	18		Cu. Yds.	Excavation for Structures
40	I-2	327		Lin. Ft.	15" Class "B" Storm Sewers under pavement or approaches
41	I-2		176	Lin. Ft.	18" Class "B" Storm Sewers under pavement or approaches
47	I-2		96	Lin. Ft.	21" Standard-Strength plain cement concrete pipe Sec. M-6.5 (a) or Standard-Strength vitrified Sewer Pipe Sec. M-6.8 (a) for Storm Sewers.
51	I-3	293		Lin. Ft.	12" Roadway Drainage
53	I-3		87	Lin. Ft.	21" Roadway Drainage
54	I-3	46		Lin. Ft.	12" Roadway Drainage under pavement or approaches
55	I-3	14		Lin. Ft.	21" Roadway Drainage under pavement or approaches
58	I-3	10		Lin. Ft.	12" Bituminous Coated Corrugated Metal Pipe Sec. M-6.4 (c) for outlets for Roadway Drainage
66	I-5	1		Each	12" Pipe Special for Roadway Drainage
68	I-5		1	Each	21" Pipe Special for Roadway Drainage
72	I-8		1	Each	Standard No. 1 Manhole
75	I-8		1	Each	Standard No. 2-2-A Catch Basin
76	I-8	2		Each	Standard No. 2-2-B Catch Basin
79	I-10	4		Cu. Yds.	Dumped Rock Channel Protection
80	I-14		10	Lin. Ft.	Standard Type 1 Paved Gutter as per plan
83	S-1	0.98		Cu. Yds.	Concrete for Structures, Class "E"
85	S-27	48		Lin. Ft.	21" Reinforced Concrete Pipe Sec. M-6.6 (b) or extra-strength vitrified Sewer Pipe Sec. M-6.8 (b) for Roadway Culverts
89	B-19	3.0		Cu. Yds.	Aggregate Base Course
93	B-35	1.0		Cu. Yds.	Asphaltic Concrete Base Course (70-85)
99	T-35	0.7		Cu. Yds.	Asphaltic Concrete Surface Course Type "A" (85-100)





Way. 3-9.94

FED. RD. DIVISION	STATE	PROJECT		28
2	OHIO			151

WAYNE COUNTY
WAY-3-9.94

℄ Curve Data S.B. Lane
P.I. Sta. 546+05.19
Δ = 13°46'53"
D = 1°-15'-00"
R = 4583.66'
T = 553.94'
L = 1102.51'
E = 33.35'

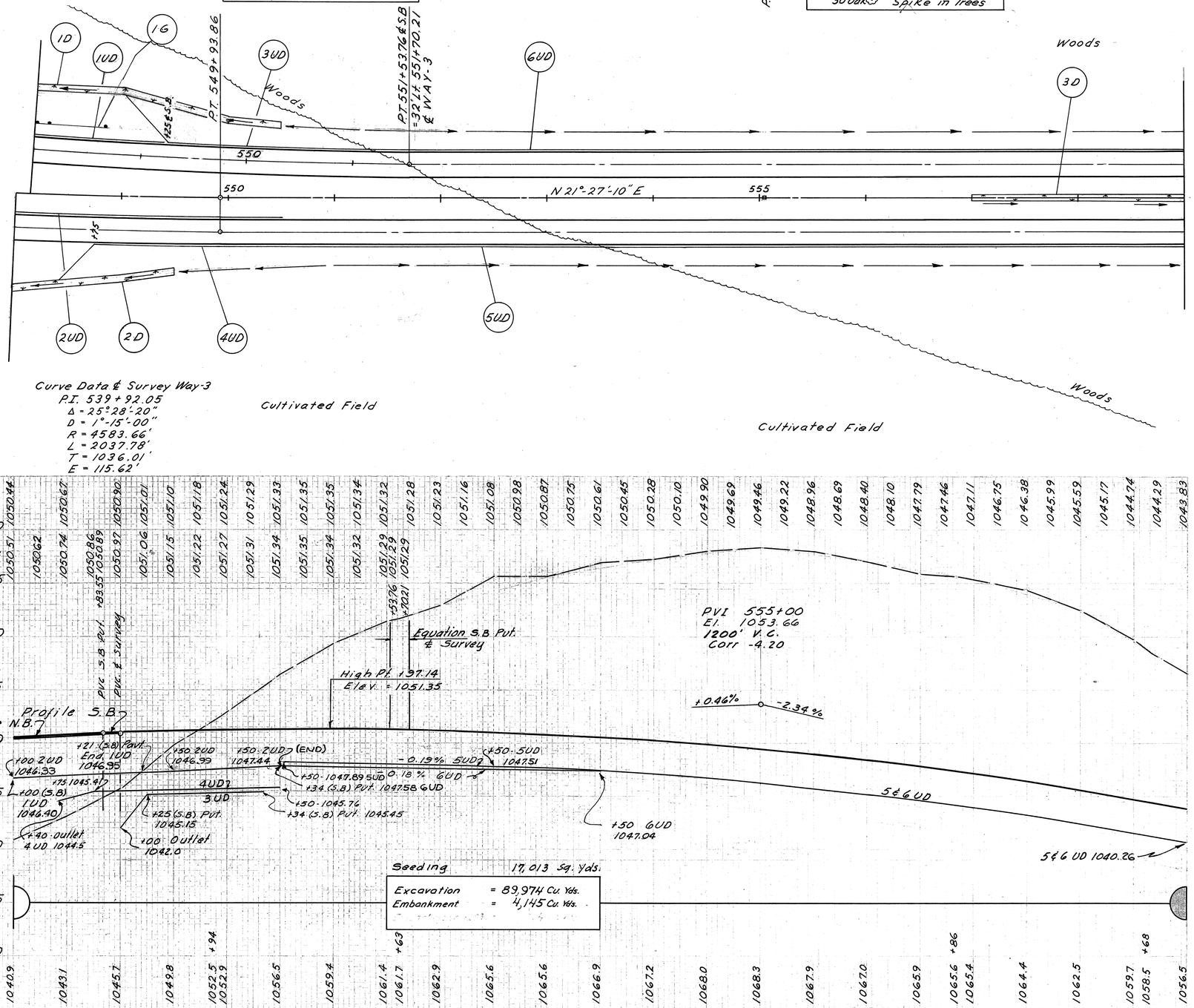
Ref. P.T. Sta. 549+93.86
Dist to Tacked Hubs Buried 1'
130.5'±
120'±
151'±
122'±
45°
℄ Way-3
P.T.

P.O.T. 555+03.66
24" Oak
44.50'
℄ Way-3
33.21'
45.73'
24" Oak
30" Oak
Distance to Spike in Trees

P.O.T. 555+03.66

P.T. 549+93.86

P.T. 551+53.76 ℄ S.B. = 32'Lt. 551+70.21 ℄ WAY-3



Curve Data ℄ Survey Way-3
P.I. 539+92.05
Δ = 25°28'-20"
D = 1°-15'-00"
R = 4583.66'
L = 2037.78'
T = 1036.01'
E = 115.62'

Item No.	Station From	Station To	Side	L-10 Sodding Width (ft) Lin.Ft.	L-10 Sodding Width (ft) Sq.Yds.	I-15 Guard Rail Steel Beam Type (Deep) Lin.Ft.			
1-D	548+00	550+30	Lt.	6	154				
2-D	548+00	549+50	Rt.	6	100				
3-D	557+00	559+00	℄	6	133				
1-G	548+00	549+93.3	Lt.			78.89			
		Totals			387	78.89			

Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain (Shallow) Lin.Ft.	I-4 6" Pipe Underdrain (Deep) Lin.Ft.	I-4 Pipe Outlet For Underdrain Lin.Ft.	I-5 Pipe Specials 6" 45° Bend Ea.		I-4 6" Pipe Underdrain (Shallow) Sec. M6.4(A) Lin.Ft.
1UD	548+00	549+21	Lt.	121					
2UD	548+00	550+50	Rt.	250					
3UD	549+00	550+34	Lt.		151	10	1		
4UD	548+40	550+50	Rt.		207	10	1		
5UD	550+50	559+00	Rt.						850
6UD	550+34	559+00	Lt.						850
		Totals		371	358	20	2		1700

N.B. Profile Elev.: 1050.34, 1050.67, 1050.90, 1051.01, 1051.10, 1051.18, 1051.24, 1051.29, 1051.33, 1051.35, 1051.35, 1051.34, 1051.32, 1051.28, 1051.23, 1051.16, 1051.08, 1050.98, 1050.87, 1050.75, 1050.61, 1050.45, 1050.28, 1050.10, 1049.90, 1049.69, 1049.46, 1049.22, 1048.96, 1048.69, 1048.40, 1048.10, 1047.79, 1047.46, 1047.11, 1046.75, 1046.38, 1045.99, 1045.59, 1045.17, 1044.74, 1044.29, 1043.83

S.B. Profile Elev.: 1050.51, 1050.62, 1050.74, 1050.86, 1050.89, 1050.97, 1051.06, 1051.15, 1051.22, 1051.27, 1051.31, 1051.34, 1051.35, 1051.34, 1051.32, 1051.29, 1051.29, 1051.29

+83.55 Pvc. S.B. Pvt. = Pvc. ℄ Survey

+53.76 = +32.21

PVI 555+00
El. 1053.66
1200' V.C.
Corr -4.20

Equation S.B Pvt. ℄ Survey

High Pt. 197.14
Elev. = 1051.35

+0.46% -2.34%

Profile S.B.
Profile N.B.

+21 (S.B) Pvt.
End 1UD
1046.95

+50 2UD 1046.99
+50 2UD 1047.44 (END)
+50 5UD 1047.51
-0.19% 5UD
0.18% 6UD
+50 1047.89 5UD
+34 (S.B) Pvt. 1047.58 6UD
+50 6UD 1047.04
5 & 6 UD
5 & 6 UD 1040.26

+00 2UD 1046.33
+75 1045.47
+00 (S.B) 1UD 1046.40
+40 Outlet 4UD 1044.5
4UD
3UD
+25 (S.B) Pvt. 1045.15
+00 Outlet 1042.0
+50 1045.76
+34 (S.B) Pvt. 1045.45

Seeding 17,013 Sq. Yds.

Excavation	= 89,974 Cu. Yds.
Embankment	= 4,145 Cu. Yds.

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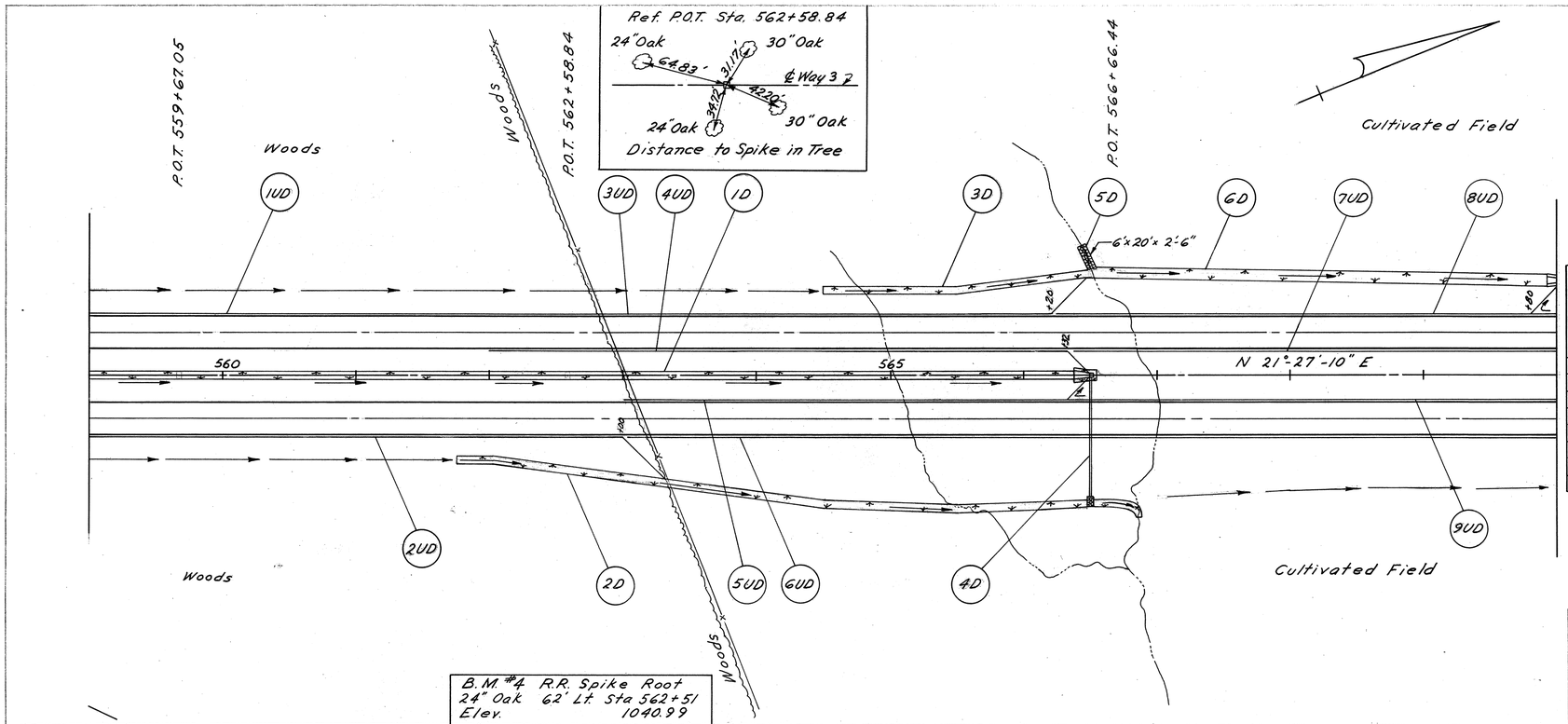
548 549 550 551 552 553 554 555 556 557 558 559

Sta. 548+00 to Sta. 559+00

FED. AID DIVISION	STATE	PROJECT		29
2	OHIO			151

WAYNE COUNTY
WAY-3-9.94



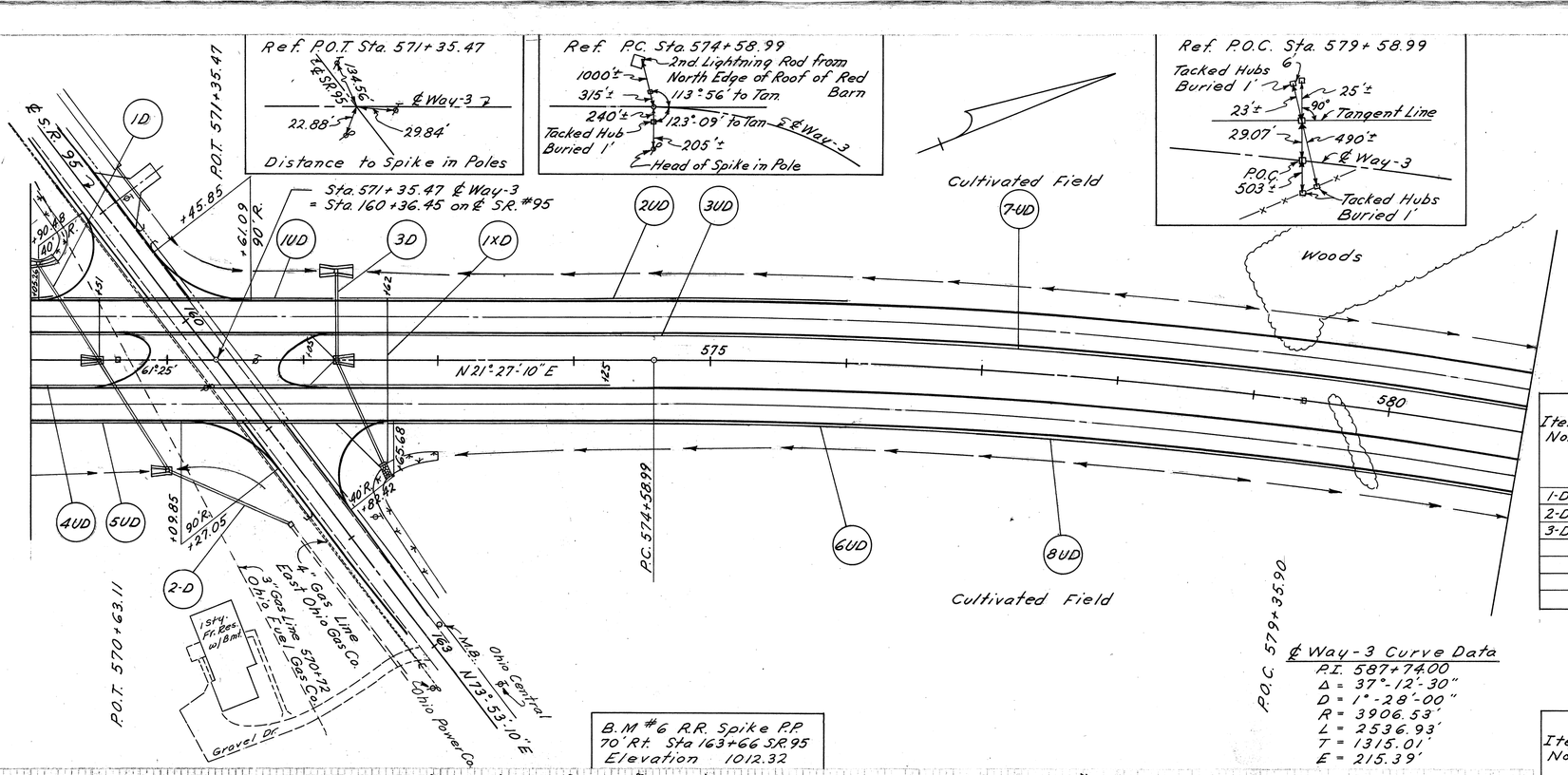
Item No.	Station From	Station To	Side	L-10 Sodding Width	L-10 Sodding	I-14 Paved Gutter (Special)	I-8 No 2-2-A Catch Basin	I-2 Class B Storm Sewer Under Pvt. 15"	I-10 Dumped Rock Channel Protection Depth	I-10 Dumped Rock Channel Protection	S-1 Conc. For Structures Class E	
				Lin.Ft.	Sq.Yd.	Lin. Ft.	Each	Lin. Ft.	in.	Cu.Yd.	Cu. Yd.	
1-D	559+00	566+38.3	℄	6	492							
2-D	561+75	566+85	Rt.	6	351							
3-D	564+50	566+50	Lt.	6	134							
4-D	566+50		℄ & Rt.	1.5	6	10	1	91	30	3	0.26	
5-D	566+50		Lt.						30	11.1		
6-D	566+50	569+93	Lt.	8	306							
		Totals			1289	10	1	91		14.1	0.26	

Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain (Shallow)	I-4 6" Pipe Underdrain (Deep)	I-4 Pipe Outlet For Underdrain	I-5 Pipe Specials 6" 45° Bend	I-5 Pipe Specials 6" 45° Wye	I-4 6" Pipe Underdrain (Shallow) M 6.4 (h)	
				Lin. Ft.	Lin. Ft.	Lin. Ft.	Ea.	Ea.	Lin. Ft.	
1UD	559+00	562+00	Lt.						300	
2UD	559+00	563+31	Rt.			10	1		430	
3UD	562+00	566+50	Lt.		446	10	1			
4UD	562+00	566+49	Lt.	442		10	1			
5UD	563+00	566+49	Rt.	359		10		1		
6UD	563+04	570+00	Rt.	696						
7UD	566+36	570+00	Lt.	364						
8UD	566+24	570+15	Lt.	411		10		1		
9UD	566+52	570+00	Rt.	348						
		Totals		2620	446	50	3	2	730	

Sta. 559+00 to Sta. 570+00

FED. ROAD DIVISION	STATE	PROJECT		30
2	OHIO			151

WAYNE COUNTY
WAY-3-9.94

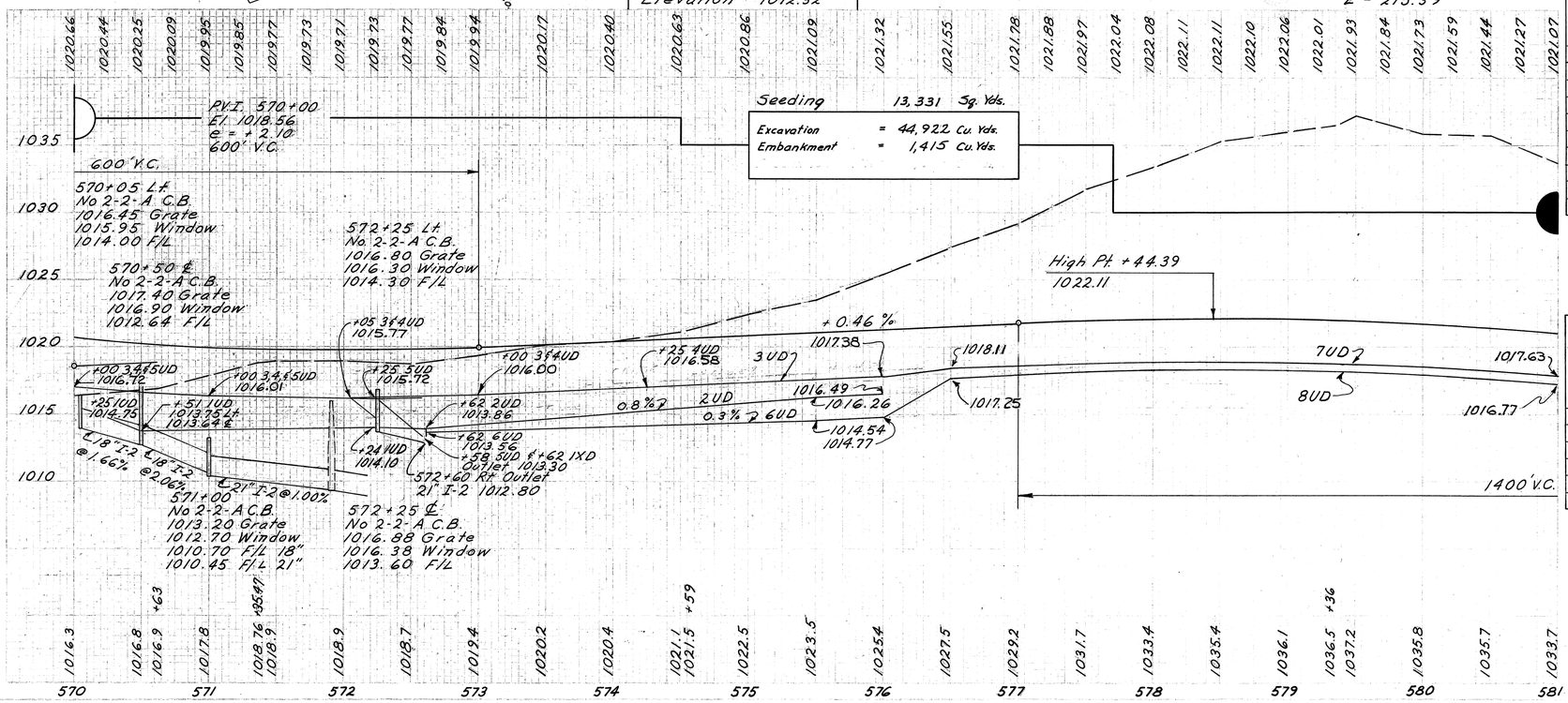


B.M #6 R.R. Spike P.P.
70' Rt. Sta 163+66 SR. 95
Elevation 1012.32

Item No.	Station From	Station To	Side	L-10 Sodding Width	L-10 Sodding Sq Yds.	I-14 Paved Gutter Special	I-14 Paved Gutter Type I Modified	I-8 No. 2-2A Catch Basins	I-2 Storm Sewer Under Pavt. Class "B"	I-2 Storm Sewer M.6.4(b) 18"	I-2 Storm Sewer Sec. M.6.5(a) & M.6.8(a) 21"	S-1 Conc. For Structure Class E	I-10 Dumped Rock Channel Protection Depth	I-10 Dumped Rock Channel Protection Cu Yds.
				Lin. Ft.	Sq Yds.	Lin. Ft.	Lin. Ft.	Each	18"	21"	Lin. Ft.	Cu. Yds.	in	Cu Yds.
1-D	570+05	571+00	Lt. & Rt.	1.5	20	40		3	176					
2-D	571+00	571+90	Rt.								96			
3-D	572+75	572+60	Lt. & Rt.	1.5	14	30		2		147		0.36	30	2.6
		Totals			34	70		5	176	147	96	0.36		2.6

Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain Shallow	I-4 6" Pipe Underdrain Deep	I-4 Pipe Outlet For Underdrain	I-5 Pipe Specials 6"x8" Increaser	I-5 Pipe Specials 6" 45° Wye	I-4 6" Pipe Underdrain Tee	I-4 6" Pipe Underdrain Shallow Sec. M.6.4(b)
				Lin. Ft.	Lin. Ft.		Each	Ea.	Ea.	Lin. Ft.
1-UD	570+25	572+21	Lt.		227	10			1	
2-UD	572+29	576+00	Lt.		359		2			
3-UD	570+00	576+00	Lt.	611		10		1		
4UD	570+00	574+25	Rt.	436		10		1		
5UD	570+00	572+58	Rt.	290		10		1		
6-UD	572+62	576+00	Rt.		338					
7-UD	576+00	581+00	Lt.							500
8UD	576+00	581+00	Rt.							500
		Totals		1337	924	40	2	3	1	1000

Item No.	Station From	Station To	Side	I-2 Storm Sewer Under Pavt. Class "B"	I-2 Pipe Outlet For 8" Storm Sewer Sec. M.6.4(b)	I-5 Pipe Special 8"x8" Tee	I-5 Pipe Special 8"x6" Tee
				Lin. Ft.	Lin. Ft.	Ea.	Ea.
1-XD	572+62		Lt. & Rt.	110	10	1	1
		Totals		110	10	1	1



Sta. 570+00 to Sta. 581+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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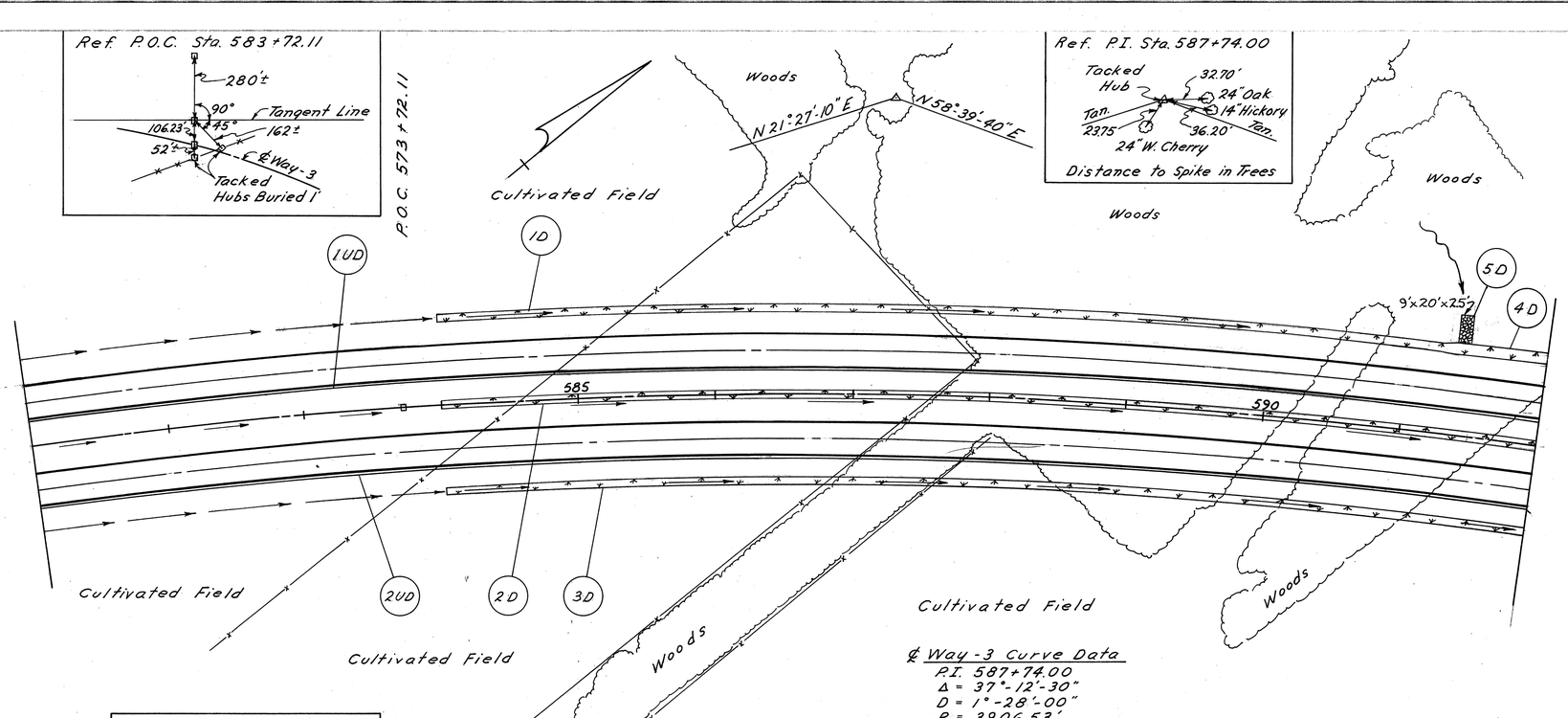
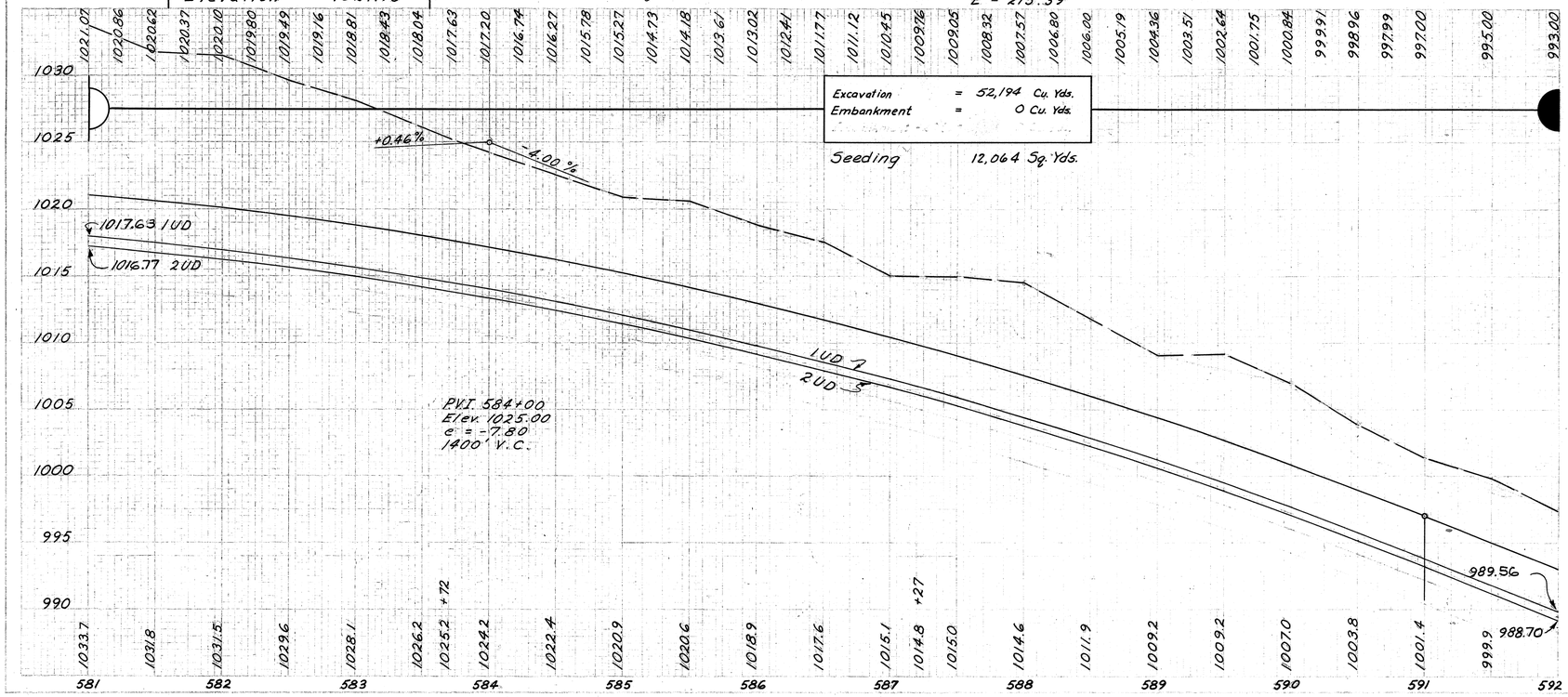
WAYNE COUNTY
WAY-3-9.94



Item No	Station From	Station To	Side	L-10 Sodding Width Lin.Ft.	L-10 Sodding Width Sq.Yd.	I-10 Dumped Rock Channel Protection Depth in.	I-10 Dumped Rock Channel Protection Depth cu.yd.
1-D	584+00	591+40	Lt.	6	494		
2-D	584+00	592+00	℄	6	534		
3-D	584+00	592+00	Rt.	6	534		
4-D	591+40	592+00	Lt.	8	54		
5-D	591+40		Lt.			30	16.7
		Totals			1616		16.7

Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain (Shallow) Sec.M-6.4(A) Lin. Ft.	I-4 6" Pipe Underdrain (Deep) Lin. Ft.
1-UD	581+00	592+00	Lt.	1100	
2-UD	581+00	592+00	Lt.	1100	
		Totals		2200	



Sta. 581+00 to Sta 592+00

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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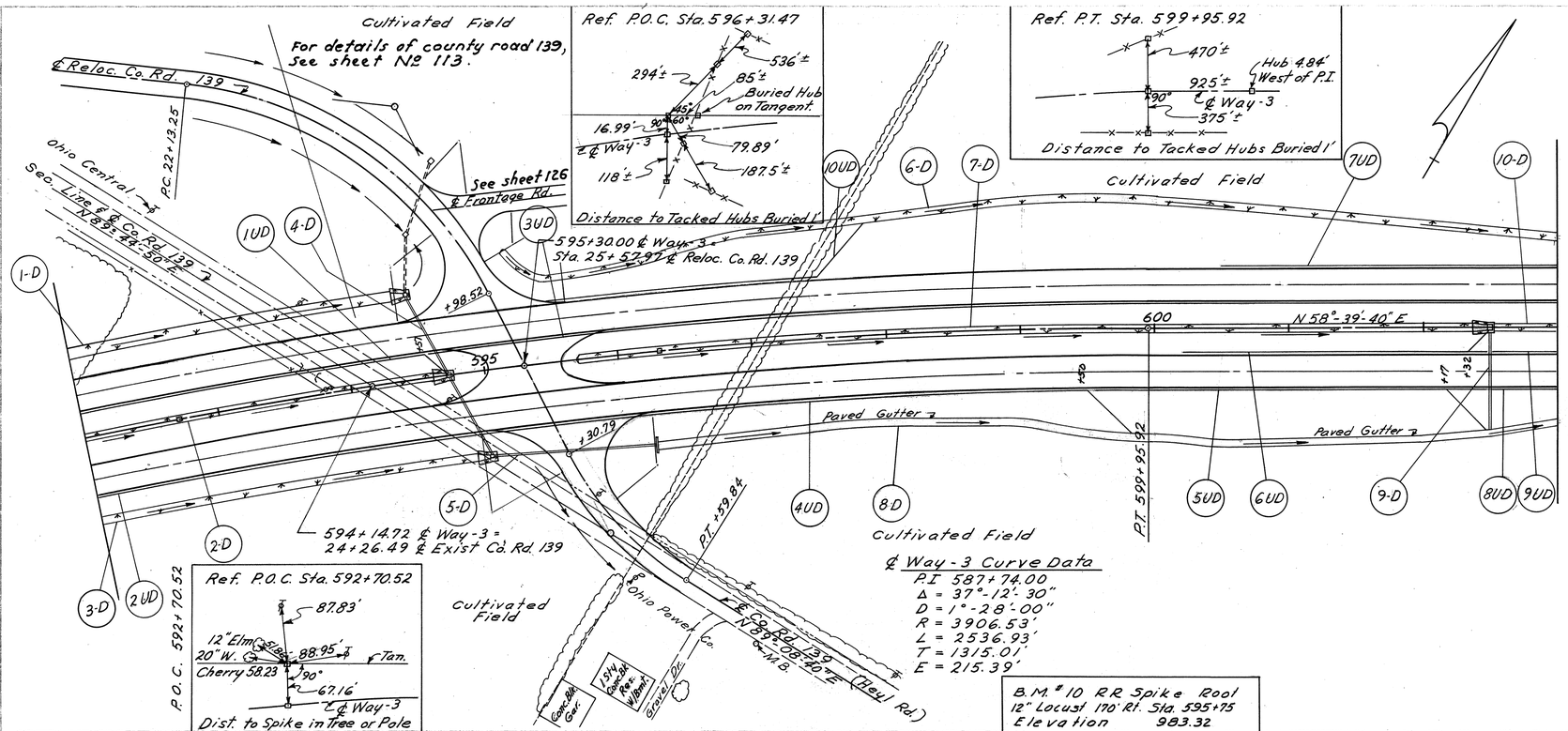
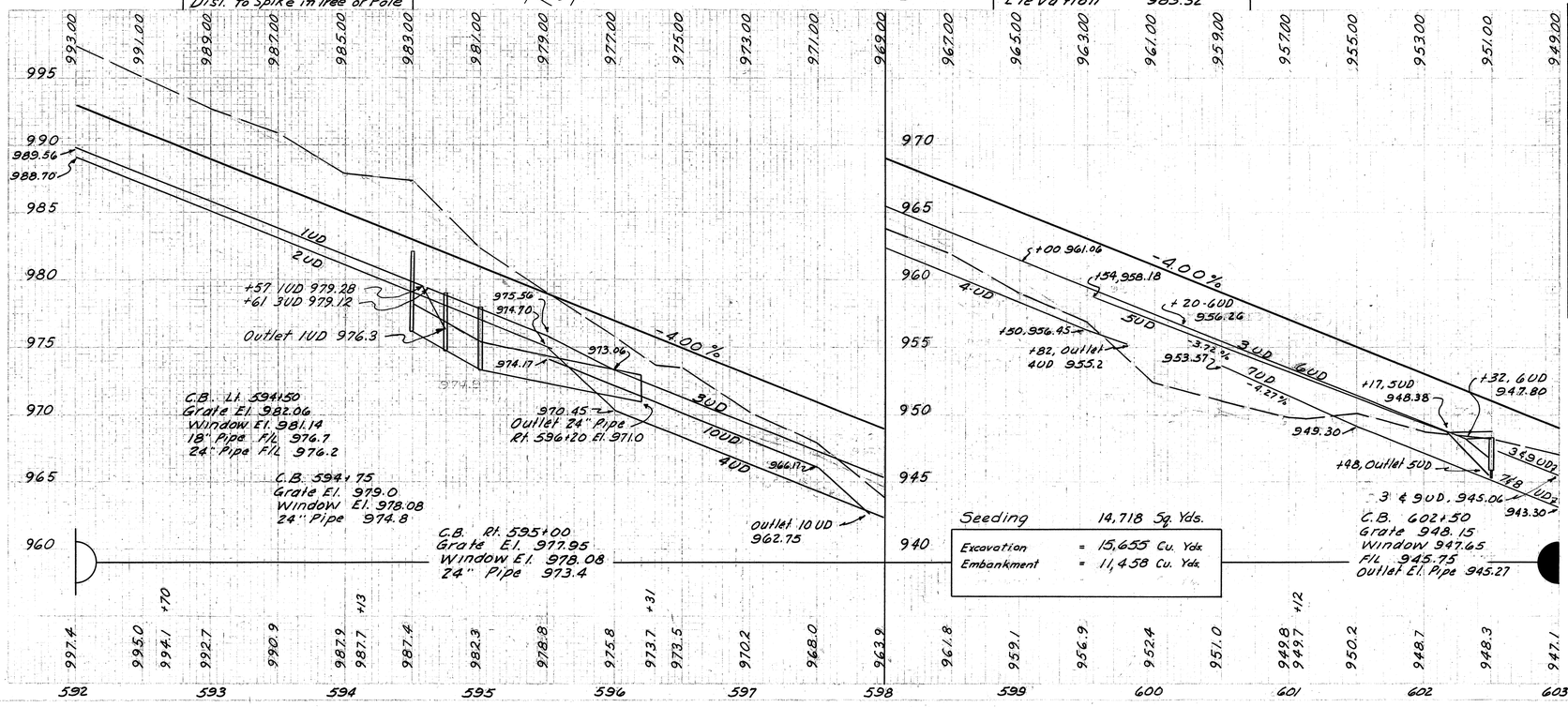
WAYNE COUNTY
WAY-3-9.94



Item No.	Station From	Station To	Side	L-10 Sodding Width	L-10 Sodding Sq. Yd.	I-14 Paved Gutter Special	I-14 Paved Gutter Type I Modified	I-8 Catch Basin No. 2-3 Mod.	I-8 Catch Basin No. 2-2A	I-2 Class B Storm Sewer Under Pvt. 15"	I-2 Storm Sewer Under Pvt. Sec. M-6.6(b) & M-6.8(b) 24"	S-1 Concrete For Structures Class E.	
				Lin.Ft.	Sq. Yd.	Lin.Ft.	Lin.Ft.	Each	Each	Lin. Ft.	Lin. Ft.	Cu. Yd.	
1-D	592+00	594+40	Lt.	8	214								
2-D	592+00	594+65	Ctr.	6	177								
3-D	592+00	594+90	Rt.	6	194								
4-D	594+50	595+00	Lt. & Rt.	1.5	18	30		3			136		
5-D	595+00	596+20	Rt.								118	0.41	
6-D	595+25	603+00	Lt.	6	519								
7-D	595+70	602+40	Ctr.	6	450								
8-D	596+20	603+00	Rt.	1.5	224		680						
9-D	602+50		Rt.	1.5	6	10			1	72		0.26	
10-D	602+50	603+00	Ctr.	6	33								
		Totals			1835	40	680	3	1	72	254	0.67	

Item No.	Station From	Station To.	Side	I-4 6" Pipe Underdrain Shallow Lin. Ft.	I-4 6" Pipe Underdrain Deep Lin. Ft.	I-4 6" Pipe Outlet For Underdrain Lin. Ft.	I-5 Pipe Specials 6" 45° Bend Each	I-5 Pipe Specials 6" Wye 45° Each	I-4 6" Pipe Underdrain Shallow M 6.4(h) Lin. Ft.		
1UD	592+00	594+57	Lt.			10	1		271		
2UD	592+00	595+50	Lt.						350		
3UD	594+61	603+00	Lt.	750					89		
4UD	595+50	599+82	Rt.		436	10	1				
5UD	599+54	602+48	Rt.	328		10		1			
6UD	600+20	602+50	Rt.	242		10		1			
7UD	600+50	603+00	Lt.		250						
8UD	602+52	603+00	Rt.		48						
9UD	602+52	603+00	Rt.	48							
10UD	595+50	597+88	Lt.		244	10	1				
		Totals		1368	978	50	3	2	710		



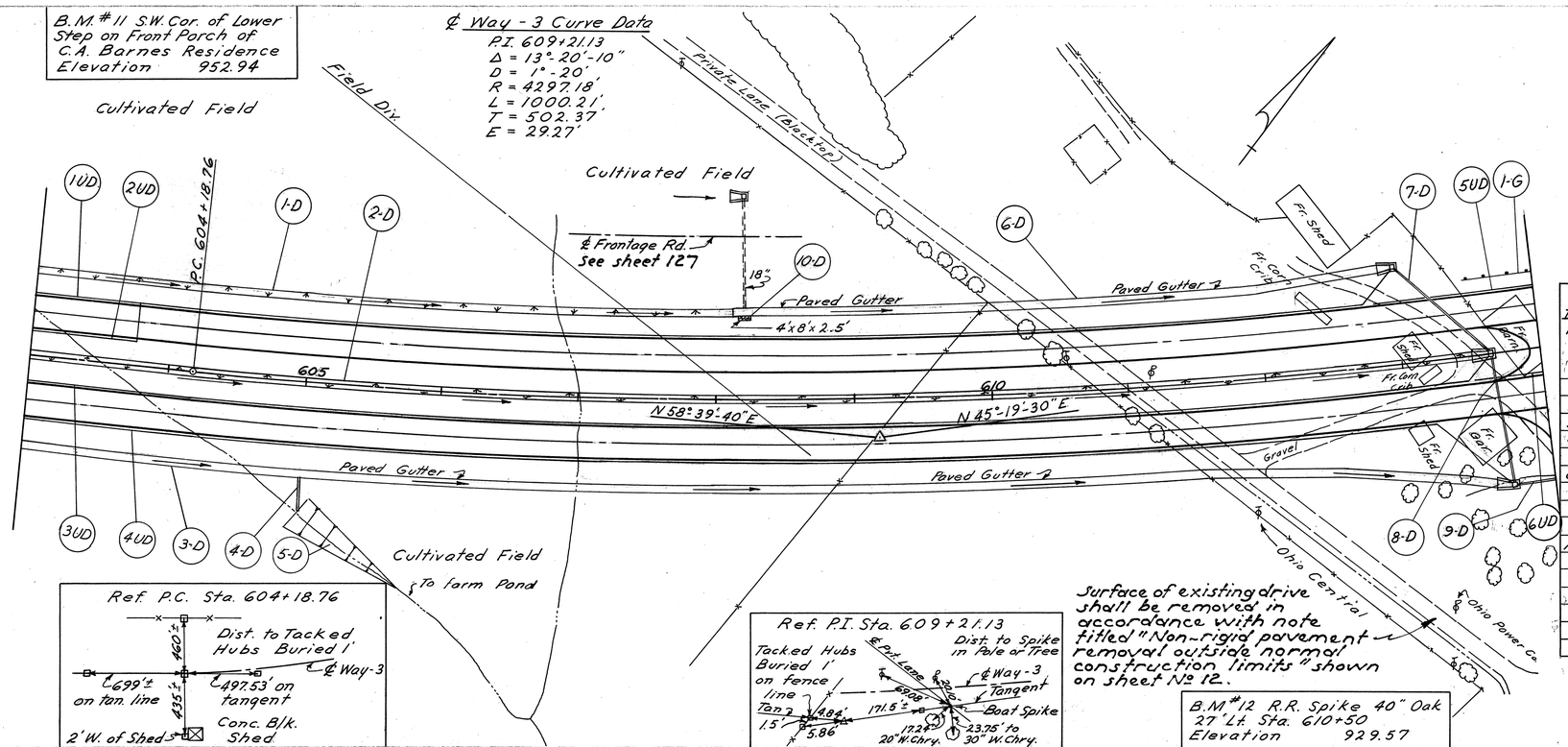
Sta. 592+00 to Sta 603+00

FED. HWY. DIVISION	STATE	PROJECT		33
2	OHIO			151

WAYNE COUNTY
WAY-3-9.94

B.M. #11 S.W. Cor. of Lower Step on Front Porch of C.A. Barnes Residence
Elevation 952.94

℄ Way - 3 Curve Data
P.I. 609+21.13
Δ = 13°-20'-10"
D = 1°-20'
R = 4297.18'
L = 1000.21'
T = 502.37'
E = 29.27'



Ref. P.C. Sta. 604+18.76

Ref. P.I. Sta. 609+21.13

Surface of existing drive shall be removed in accordance with note titled "Non-rigid pavement removal outside normal construction limits" shown on sheet No 12.

B.M. #12 R.R. Spike 40" Oak
27' Lt. Sta. 610+50
Elevation 929.57

Item No.	Station From	Station To	Side	I-10 Sodding Width	I-10 Sodding Lin.Ft.	Sod Yd	I-14 Paved Gutter Special	I-14 Paved Gutter Type I Modified	I-8 Catch Basins No 2-3 Mod.	I-8 Catch Basins No. 2-2A	I-2 Storm Sewer Under Pvt. Sec. M 6.6(a) 6.8(b) 21"	I-2 Storm Sewer Under Pvt. Sec. 6.9(c) 30"	I-3 Extra Qual. Drain Tile Sec. M 6.7(b) Lin. Ft.	I-10 Dumped Rock Chann. Protection Depth in.	I-10 Dumped Rock Chann. Protection Cu Yd.
					Lin.Ft.	Sq Yd	Lin.Ft.	Lin.ft.	Ea.	Ea.	21"	30"	6"	in.	Cu Yd.
1-D	603+00	608+10	Lt.	6		342									
2-D	603+00	613+55	Ctr.	6		906									
3-D	603+00	613+70	Rt.	1.5		351		1060	10						
4-D	605+00		Rt.										30		
5-D	605+00	605+75	Rt.			140									
6-D	608+10	613+00	Lt.	1.5		160	10	480							
7-D	613+00	613+65	Lt.			6				1	96				
8-D	613+65	613+70	Rt.	1.5		6	10			1	94				
9-D	613+65	614+00	Rt.						1			29			
10-D	608+18		Lt.											30	3.0
		Totals				1711	30	1540	1	2	190	29	30		3.0

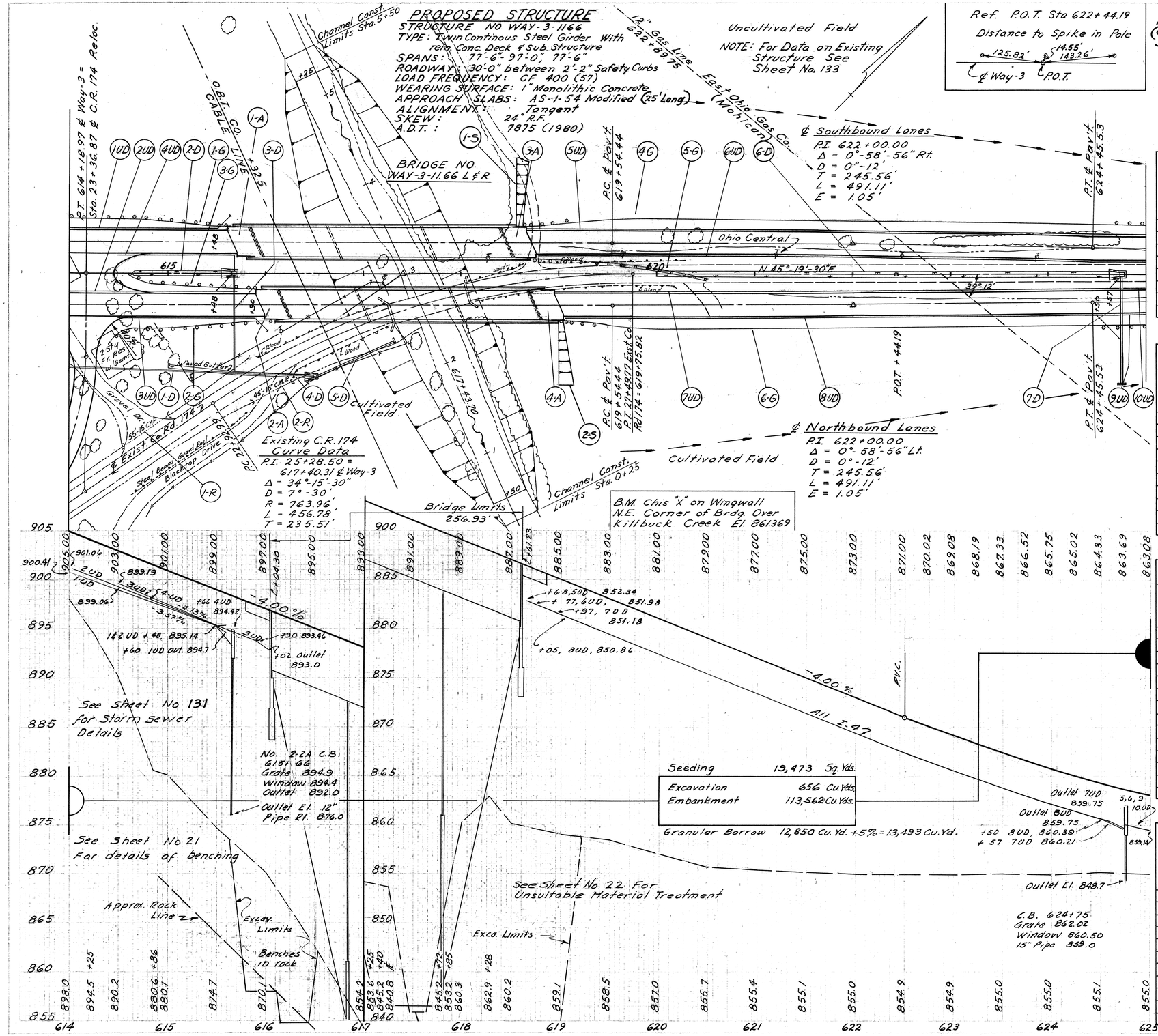
Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain Shallow Lin. Ft.	I-4 6" Pipe Underdrain Deep Lin. Ft.	I-4 Pipe Outlet For Underdrain Lin. Ft.	I-5 Pipe Specials 6" 45° Bend Ea.	I-5 Pipe Specials 6" Wye Ea.	I-5 Pipe Specials 6" 90° Bend Ea.	I-5 Pipe Specials 6" Tee Ea.	I-15 Guard Rail Steel Beam Type (Deep) Lin. Ft.
1-UD	603+00	613+00	Lt.		1000	10	1				
2-UD	603+00	603+75	Lt.	81	14				1	1	
3-UD	603+00	613+65	Rt.	1058		10	1				
4-UD	603+00	613+70	Rt.		1077	10	1				
5-UD	612+79	614+00	Lt.	121							
6-UD	613+51	614+00	Rt.	49							
1-G	613+48.2	614+00	Lt.								51.8
		Totals		1309	2091	30	3		1	1	51.8

Sta. 603+00 to Sta. 614+00

FED. RD. DIVISION	STATE	PROJECT		34
2	OHIO			151

WAYNE COUNTY
WAY-3-9.94

Note: For Existing Structure (over Killbuck Creek) Data, See Sheet No 133.



Seeding	13,473 Sq. Yds.
Excavation	656 Cu. Yds.
Embankment	113,562 Cu. Yds.
Granular Borrow	12,850 Cu. Yd. +5% = 13,493 Cu. Yd.

Item No	Station From	Station To	Side	L-10 Sodding Width	L-10 Sodding Lin. Ft.	L-10 Sodding Sq. Yds.	I-14 Paved Gutter Special	I-14 Paved Gutter Type I	I-8 Catch Basins No. 2-2A	I-8 Catch Basins	I-12 Storm Sewers Under Pav't Class B 12"	15"	30"	M-6.4 (c) 12"	15"	30"	S-1 Concrete for Structures Class E Cu. Yds.	I-5 Pipe Specials 25° Bend 12"	15"
					Lin. Ft.				Ea.		Lin. Ft.								
1-D	614+00	616+50	Rt.										50			200			
2-D	614+65	615+56	Rt.	6	61														
3-D	615+66		Rt.	1.5	6	10			1		57			40			0.23	2	
4-D	615+00	616+50	Rt.	1.5	47	10	140												
7-D	624+75		Rt.	1.5	6	10			1			49			55		0.26		2
		Totals			120	30	140		2		57	49	50	40	55	200	0.49	2	2

Item No.	Station From	Station To	Side	L-10 Sodding Width	L-10 Sodding Lin. Ft.	L-10 Sodding Sq. Yds.	I-8 Catch Basins No. 2-2A	I-8 Catch Basins Mod.	I-2 Storm Sewer Under Pv't. Sec. M (c) 6.8 (b) 12"	15"	Sec. 6.4 (c) 30"	12"	15"	30"	Storm Sewer Sec. 6.4(c)	S-1 Conc. For Structures Class E	I-10 Rip Rap	E-12 Pipe Removal 15" & Over Under 15"	I-5 Pipe Specials 25° Bends 12"	15"
					Lin. Ft.		Ea.		Ea.						Cu. Yds.	Sq. Yds.	Lin. Ft.	Lin. Ft.		
5-D	616+50	617+32	Rt.				1								90	0.51				
6-D	620+00	625+00	Rt.	6	335															
1-R	614+50	615+00	Rt.															55		
2-R	615+80	616+20	Rt.															45		
		Totals			335		1								90	0.51		100		

Item No	Station From	Station To	Side	I-4 6" Pipe Underdrain Shallow Lin. Ft.	I-4 6" Pipe Underdrain Deep Lin. Ft.	I-4 6" Pipe Outlet For Underdrain Lin. Ft.	I-5 Pipe Specials 6" 90° Bend Ea.	6" 45° Bend Ea.	6" 45° Wye Ea.	L-10 Special Berm & Slope Protection Sq. Yds.
1UD	614+00	615+60	Lt.	151		10		1		
2UD	614+00	615+65	Rt.	175		10			1	
3UD	614+50	616+02	Rt.	143		10		1		
4UD	614+50	615+66	Lt.	119		10	1			
5UD	618+68	625+00	Lt.	632						
6UD	618+77	625+00	Lt.	623						
7UD	618+97	624+73	Rt.	582		10			1	
8UD	619+05	624+73	Rt.	586		10			1	
9UD	624+77	625+00	Rt.	23						
10UD	624+77	625+00	Rt.	23						
1-S	618+60		Lt.							104
2-S	619+00		Rt.							96
		Totals		3057		60	1	2	3	200

Item No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type (Deep) Lin. Ft.	I-15 Barrier Rail Steel Beam Type (Deep) Lin. Ft.	I-7 Reinforced Concrete Appr. Slab T=13" Sq. Yds.
1-G	614+00	615+60.7	Lt.	160.7		
2-G	22+52.9	616+09.2	Rt.	190.4		
3-G	614+64.2	615+89.2	Rt.	137.5		
4-G	618+55.4	625+00	Lt.	644.6		
5-G	618+70.5	620+43.3	Lt.	87.5	87.5	
6-G	618+98.9	625+00	Rt.	601.10		
1-A	615+65.05	615+90.05	Lt.			86.91
2-A	615+93.55	616+18.55	Rt.			89.04
3-A	616+47.00	618+72.00	Lt.			86.91
4-A	618+75.50	619+00.5	Rt.			89.04
	Totals			1821.8	87.5	351.90

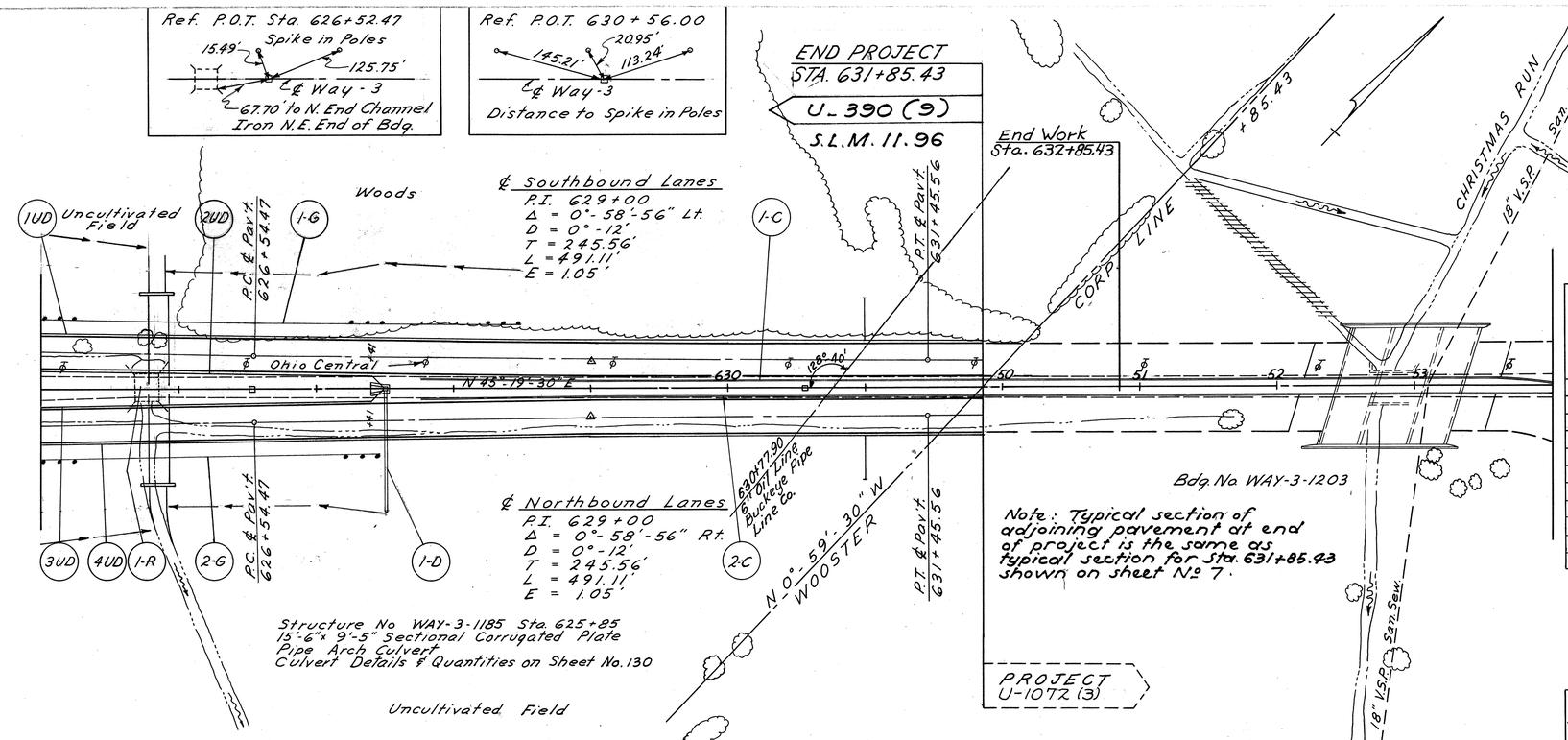
NOTE: Federal Funds will not participate in the Barrier Guard Rail shown on this sheet.

REV. 7-18-61 R.E.G.

Sta. 614+00 to Sta 625+00

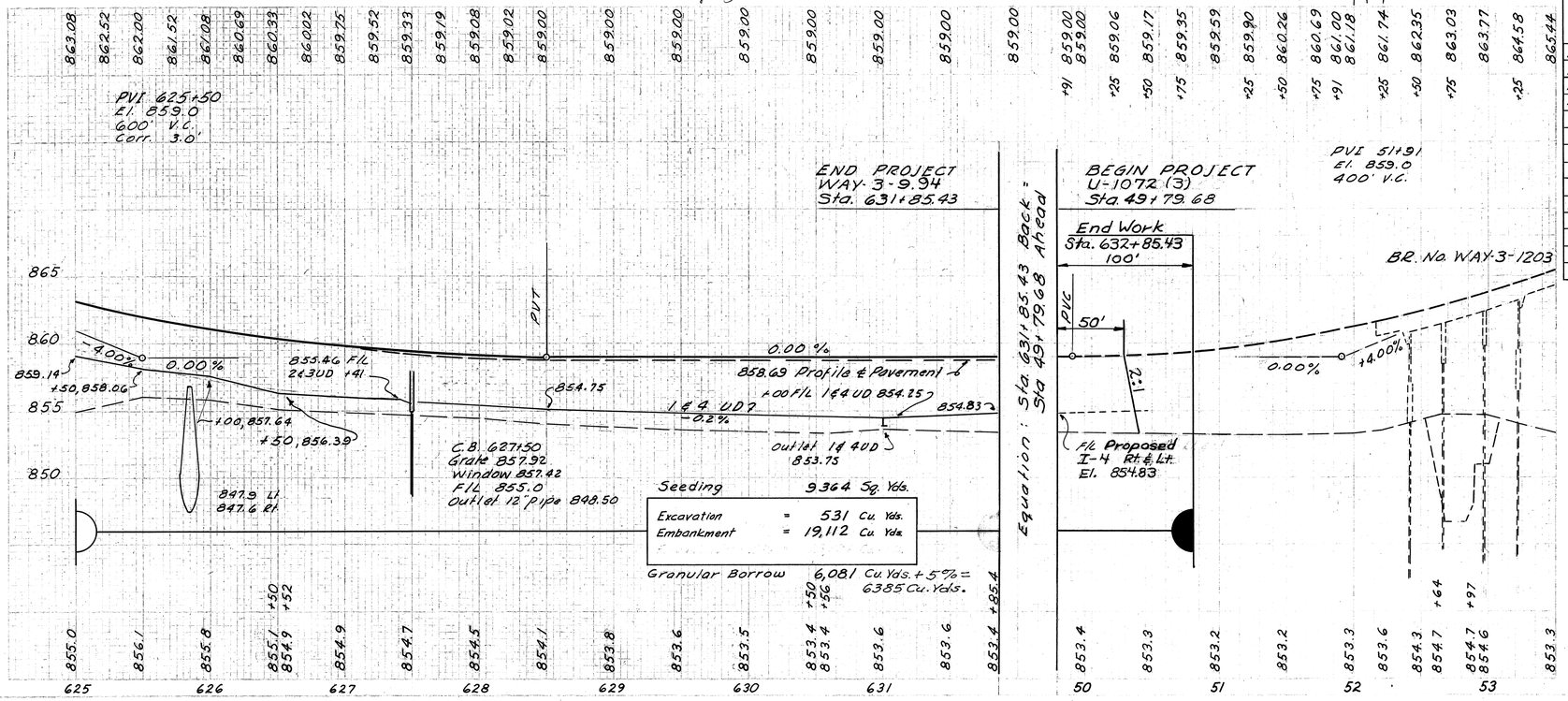
FED. RD. DIVISION	STATE	PROJECT		35
2	OHIO			151

WAYNE COUNTY
WAY-3-9.94



Item No.	Station From	Station To	Side	L-10 Sodding Width Lin.Ft.	L-10 Sodding Sq.Yds.	I-8 Catch Basin No. 2-2-A Each	I-2 Class B Storm Sewer under Pvt. Lin.Ft 12"	S-1 Concrete For Structures Class E. Cu. Yds.	S-24 Removal of Existing Structures	I-14 Paved Gutter Special Lin. Ft.
1-D	627+50		Rt.	1.5	6	1	87	0.23		10
1-R	625+75		Ctr.						Lump	
		Totals			6	1	87	0.23	Lump	10

Item No.	Station From	Station To	Side	I-4 6" Pipe Under-drains Shallow Lin. Ft.	I-4 6" Pipe Outlets For Under-drains Lin. Ft.	I-5 Pipe Specials 6" 45° Bend Ea	I-5 Pipe Specials 6" 90° Bend Ea	I-5 Pipe Specials 6" Tees Ea	I-12 Conc Curb Type 6 Lin. Ft.	I-15 Guard Rail Steel Beam Type Deep Lin. Ft.
1-UD	625+00	631+85.43	Lt.	701	10			1		
2-UD	625+00	627+50	Lt.	249	10	1				
3-UD	625+00	627+50	Rt.	249	10	1				
4-UD	625+00	631+85.43	Rt.	701	10			1		
1-G	625+00	627+55.4	Lt.							255.4
2-G	625+00	627+48.9	Rt.							248.9
1-C	627+75	631+85.43	Lt.						410.43	
2-C	627+75	631+85.43	Rt.						410.43	
		Totals		1900	40	2		2	820.86	504.3



Sta. 625+00 to Sta 631+85.43

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

WAYNE COUNTY
WAY-3-9.94

SUPERELEVATION TABLES

		SOUTHBOUND LANES			NORTHBOUND LANES		
STATION	PROFILE	LEFT EDGE	℄	RIGHT EDGE	LEFT EDGE	℄	RIGHT EDGE
573+00	1019.94	1019.75	1019.94	1019.75	1019.75	1019.94	1019.75
+09	1019.98	1019.79	1019.98	1019.79	1019.79	1019.98	1019.79
+25	1020.06	1019.91	1020.06	1019.87	1019.87	1020.02	1019.83
+50	1020.17	1020.08	1020.17	1019.98	1019.98	1020.07	1019.88
+75	1020.29	1020.27	1020.29	1020.10	1020.10	1020.12	1019.93
574+00	1020.40	1020.47	1020.40	1020.21	1020.21	1020.17	1019.95
+25	1020.52	1020.74	1020.52	1020.33	1020.33	1020.21	1019.96
+50	1020.63	1020.92	1020.69	1020.44	1020.44	1020.25	1019.96
+75	1020.75	1021.16	1020.86	1020.56	1020.56	1020.30	1019.96
575+00	1020.86	1021.38	1021.03	1020.67	1020.67	1020.34	1019.96
+25	1020.98	1021.62	1021.20	1020.79	1020.79	1020.39	1019.96
+50	1021.09	1021.76	1021.33	1020.90	1020.90	1020.47	1020.04
+75	1021.21	1021.88	1021.45	1021.02	1021.02	1020.59	1020.16
576+00	1021.32	1021.99	1021.56	1021.13	1021.13	1020.51	1020.08
+25	1021.44	1022.11	1021.68	1021.25	1021.25	1020.82	1020.39
+50	1021.55	1022.22	1021.79	1021.36	1021.36	1020.93	1020.50
+75	1021.67	1022.34	1021.99	1021.48	1021.48	1021.05	1020.62
577+00	1021.78	1022.45	1022.02	1021.59	1021.59	1021.16	1020.73
+25	1021.88	1022.55	1022.12	1021.69	1021.69	1021.26	1020.83
+50	1021.97	1022.64	1022.21	1021.78	1021.78	1021.35	1020.92
+75	1022.04	1022.71	1022.28	1021.85	1021.85	1021.42	1020.99
578+00	1022.08	1022.75	1022.32	1021.89	1021.89	1021.46	1021.03
+25	1022.11	1022.78	1022.35	1021.92	1021.92	1021.49	1021.06
+50	1022.11	1022.78	1022.35	1021.92	1021.92	1021.49	1021.06
+75	1022.10	1022.77	1022.34	1021.91	1021.91	1021.48	1021.05
579+00	1022.06	1022.73	1022.30	1021.87	1021.87	1021.44	1021.01
+25	1022.01	1022.68	1022.25	1021.82	1021.82	1021.39	1020.96
+50	1021.93	1022.60	1022.17	1021.74	1021.74	1021.31	1020.88
+75	1021.84	1022.51	1022.08	1021.65	1021.65	1021.22	1020.79
580+00	1021.73	1022.40	1021.97	1021.54	1021.54	1021.11	1020.68
+25	1021.59	1022.26	1021.83	1021.40	1021.40	1020.97	1020.54
+50	1021.44	1022.11	1021.68	1021.25	1021.25	1020.82	1029.39
+75	1021.27	1021.94	1021.51	1021.08	1021.08	1020.65	1020.22
581+00	1021.07	1021.74	1021.31	1020.88	1020.88	1020.45	1020.02
+25	1020.86	1021.53	1021.10	1020.67	1020.67	1020.24	1019.81
+50	1020.62	1021.29	1020.86	1020.43	1020.43	1020.00	1019.57
+75	1020.37	1021.04	1020.61	1020.18	1020.18	1019.75	1019.32
582+00	1020.10	1020.77	1020.34	1019.91	1019.91	1019.48	1019.05
+25	1019.80	1020.47	1020.04	1019.61	1019.61	1019.18	1018.75
+50	1019.49	1020.16	1019.73	1019.30	1019.30	1018.87	1018.44
+75	1019.16	1019.83	1019.40	1018.97	1018.97	1018.54	1018.11
583+00	1018.81	1019.48	1019.05	1018.62	1018.62	1018.19	1017.76
+25	1018.43	1019.10	1018.67	1018.24	1018.24	1017.81	1017.38
+50	1018.04	1018.71	1018.28	1017.85	1017.85	1017.42	1016.99
+75	1017.63	1018.30	1017.87	1017.44	1017.44	1017.01	1016.58
584+00	1017.20	1017.87	1017.44	1017.01	1017.01	1016.58	1016.15
+25	1016.74	1017.41	1016.98	1016.55	1016.55	1016.12	1015.69
+50	1016.27	1016.91	1016.51	1016.08	1016.08	1015.65	1015.22
+75	1015.78	1016.45	1016.02	1015.59	1015.59	1015.16	1014.73
585+00	1015.27	1015.94	1015.51	1015.08	1015.08	1014.65	1014.22
+25	1014.73	1015.40	1014.97	1014.54	1014.54	1014.11	1013.68
+50	1014.18	1014.85	1014.42	1013.99	1013.99	1013.56	1013.13
+75	1013.61	1014.28	1013.85	1013.42	1013.42	1012.99	1012.56
586+00	1013.02	1013.69	1013.26	1012.83	1012.83	1012.40	1011.97
+25	1012.41	1013.08	1012.65	1012.22	1012.22	1011.79	1011.36
+50	1011.77	1012.44	1012.01	1011.58	1011.58	1011.15	1010.72
+75	1011.12	1011.79	1011.36	1010.93	1010.93	1010.50	1010.07
587+00	1010.45	1011.12	1010.69	1010.26	1010.26	1009.83	1009.40
+25	1009.76	1010.43	1010.00	1009.57	1009.57	1009.14	1008.71
+50	1009.05	1009.72	1009.29	1008.86	1008.86	1008.43	1008.00
+75	1008.32	1008.99	1008.56	1008.13	1008.13	1007.70	1007.27
588+00	1007.57	1008.24	1007.81	1007.38	1007.38	1006.95	1006.52
+25	1006.80	1007.47	1007.04	1006.61	1006.61	1006.18	1005.75
+50	1006.00	1006.67	1006.24	1005.81	1005.81	1005.38	1004.95
+75	1005.19	1005.86	1005.43	1005.00	1005.00	1004.57	1004.14

		SOUTHBOUND LANES			NORTHBOUND LANES		
STATION	PROFILE	LEFT EDGE	℄	RIGHT EDGE	LEFT EDGE	℄	RIGHT EDGE
589+00	1004.36	1005.03	1004.60	1004.17	1004.17	1003.74	1003.31
+25	1003.51	1004.18	1003.75	1003.32	1003.32	1002.89	1002.46
+50	1002.64	1003.31	1002.88	1002.45	1002.45	1002.02	1001.59
+75	1001.75	1002.42	1001.99	1001.56	1001.56	1001.13	1000.70
590+00	1000.84	1001.51	1001.08	1000.65	1000.65	1000 22	999.79
+25	999.91	1000.58	1000.15	999.72	999.72	999.29	998.86
+50	998.96	999.63	999.20	998.77	998.77	998.34	997.91
+75	997.99	998.66	998.23	997.80	997.80	997.37	996.94
591+00	997.00	997.67	997.24	996.81	996.81	996.38	995.95
+25	996.00	996.67	996.24	995.81	995.81	995.38	994.95
+50	995.00	995.67	995.24	994.81	994.81	994.38	993.95
+75	994.00	994.67	994.24	993.81	993.81	993.38	992.95
592+00	993.00	993.67	993.24	992.81	992.81	992.38	991.95
+25	992.00	992.67	992.24	991.81	991.81	991.38	990.95
+50	991.00	991.67	991.24	990.81	990.81	990.38	989.95
+75	990.00	990.67	990.24	989.81	989.81	989.38	988.95
593+00	989.00	989.67	989.24	988.81	988.81	988.38	987.95
+25	988.00	988.67	988.24	987.81	987.81	987.38	986.95
+50	987.00	987.67	987.24	986.81	986.81	986.38	985.95
+75	986.00	986.67	986.24	985.81	985.81	985.38	984.95
594+00	985.00	985.67	985.24	984.81	984.81	984.38	983.95
+25	984.00	984.67	984.24	983.81	983.81	983.38	982.95
+50	983.00	983.67	983.24	982.81	982.81	982.38	981.95
+75	982.00	982.67	982.24	981.81	981.81	981.38	980.95
595+00	981.00	981.67	981.24	980.81	980.81	980.38	979.95
+25	980.00	980.67	980.24	979.81	979.81	979.38	978.95
+50	979.00	979.67	979.24	978.81	978.81	978.38	977.95
+75	978.00	978.67	978.24	977.81	977.81	977.38	976.95
596+00	977.00	977.67	977.24	976.81	976.81	976.38	975.95
+25	976.00	976.67	976.24	975.81	975.81	975.38	974.95
+50	975.00	975.67	975.24	974.81	974.81	974.38	973.95
+75	974.00	974.67	974.24	973.81	973.81	973.38	972.95
597+00	973.00	973.67	973.24	972.81	972.81	972.38	971.95
+25	972.00	972.67	972.24	971.81	971.81	971.38	970.95
+50	971.00	971.67	971.24	970.81	970.81	970.38	969.95
+75	970.00	970.67	970.24	969.81	969.81	969.38	968.95
598+00	969.00	969.67	969.24	968.81	968.81	968.38	967.95
+25	968.00	968.67	968.24	967.81	967.81	967.38	966.95
+50	967.00	967.67	967.24	966.81	966.81	966.38	965.95
+75	966.00	966.67	966.24	965.81	965.81	965.38	964.95
599+00	965.00	965.67	965.24	964.81	964.81	964.38	963.95
+20	964.25	964.92	964.49	964.06	964.06	963.63	963.20
+25	964.00	964.65	964.23	963.81	963.81	963.39	962.97
+50	963.00	963.54	963.18	962.81	962.81	962.46	962.08
+75	962.00	962.42	962.12	961.81	961.81	961.54	961.20
600+00	961.00	961.31	961.07	960.81	960.81	960.61	960.31
+25	960.00	960.20	961.02	959.81	959.81	959.68	959.42
+50	959.00	959.08	959.00	958.81	958.81	958.75	958.54
+75	958.00	957.99	958.00	957.81	957.81	957.82	957.63
601+00	957.00	956.92	957.00	956.81	956.81	956.69	956.70
+25	956.00	955.87	956.00	955.81	955.81	955.95	955.76
+50	955.00	954.81	955.00	954.81	954.81	955.00	954.81

		SOUTHBOUND LANES			NORTHBOUND LANES		
STATION	PROFILE	LEFT EDGE	℄	RIGHT EDGE	LEFT EDGE	℄	RIGHT EDGE
602+50	951.00	950.81	951.00	950.81	950.81	951.00	950.81
+70	950.20	950.01	950.20	950.01	950.01	950.20	950.01
+75	950.00	949.80	949.99	949.81	949.81	950.00	949.82
603+00	949.00	948.73	948.92	948.81	948.81	949.00	948.88
+25	948.00	947.67	947.86	947.81	947.81	948.00	947.95
+50	947.00	946.60	946.80	946.81	946.81	947.00	947.02
+75	946.00	945.49	945.72	945.81	945.81	946.00	946.13
604+00	945.00	944.37	944.65	944.81	944.81	945.04	945.25
+25	944.00	943.26	943.58	943.81	943.81	944.09	944.36
+50	943.00	942.15	942.51	942.81	942.81	943.14	943.47
+75	942.00	941.03	941.45	941.81	941.81	942.20	942.59
605+00	941.00	939.95	940.38	940.81	940.81	941.24	941.67
+25	940.00	938.95	939.38	939.81	939.81	940.24	940.67
+50	939.00	937.95	938.38	938.81	938.81	939.24	939.67
+75	938.00	936.95	937.38	937.81	937.81	938.24	938.67
606+00	937.00	935.95	936.38	936.81	936.81	937.24	937.67
+25	936.00	934.95	935.38	935.81	935.81	936.24	936.67
+50	935.00	933.95	934.38	934.81	934.81	935.24	935.67
+75	934.00	932.95	933.38	933.81	933.81	934.24	934.67
607+00	933.00	931.95	932.38	932.81	932.81	933.24	933.67
+25	932.00	930.95	931.38	931.81	931.81	932.24	932.67
+50	931.00	929.95	930.38	930.81	930.81	931.24	931.67
+75	930.00	928.95	929.38	929.81	929.81	930.24	930.67
608+00	929.00	927.95	928.38	928.81	928.81	929.24	929.67
+25	928.00	926.95	927.38	927.81	927.81	928.24	928.67
+50	927.00	925.95	926.38	926.81	926.81	927.24	927.67
+75	926.00	924.95	925.38	925.81	925.81	926.24	926.67
609+00	925.00	923.95	924.38	924.81	924.81	925.24	925.67
+25	924.00	922.00	923.36	923.81	923.81	924.24	924.67
+50	923.00	921.95	922.38	922.81	922.81	923.24	923.67
+75	922.00	920.95	921.38	921.81	921.81	922.24	922.67
610.00	921.00	919.95	920.38	920.81	920.81	921.24	921.67
+25	920.00	918.95	919.38	919.81	919.81	920.24	920.67
+50	919.00	917.95	918.38	918.81	918.81	919.24	919.67
+75	918.00	916.95	917.38	917.81	917.81	918.24	918.67
611+00	917.00	915.95	916.38	916.81	916.81	917.24	917.67
+25	916.00	914.95	915.38	915.81	915.81	916.24	916.67
+50	915.00	913.95	914.38	914.81	914.81	915.24	915.67
+75	914.00	912.95	913.38	913.81	913.81	914.24	914.67
612+00	913.00	911.95	912.38	912.81	912.[illegible]	913.24	913.67
+25	912.00	910.95	911.38	911.81	911.81	912.24	912.67
+50	911.00	909.95	910.38	910.81	910.81	911.24	911.67
+75	910.00	908.95	909.38	909.81	909.81	910.24	910.67
613+00	909.00	907.95	908.38	908.81	908.81	909.24	909.67
+25	908.00	906.95	907.38	907.81	907.81	908.24	908.67
+30	907.80	906.75	907.18	907.61	907.61	908.04	908.47
+50	907.00	906.04	906.44	906.81	906.81	907.20	907.58
+75	906.00	905.15	905.51	905.81	905.81	906.14	906.47
614+00	905.00	904.26	904.58	904.81	904.81	905.09	905.36
+25	904.00	903.37	903.65	903.81	903.81	904.04	904.24
+50	903.00	902.49	902.72	902.81	902.81	903.00	903.13
+75	902.00	901.60	901.79	901.81	901.81	902.00	902.02
615+00	901.00	900.67	900.86	900.81	900.81	901.00	901.05
+25	900.00	899.73	899.92	899.81	899.81	900.00	899.89
+50	899.00	898.79	898.98	898.81	898.81	899.00	898.83
+75	898.00	897.81	898.00	897.81	898.81	898.00	898.81

SUPERELEVATION TABLES

FED. RD. DIVISION	STATE	PROJECT	
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WAYNE COUNTY
WAY-3-9.94

	SOUTHBOUND LANE		
STATION S. R. LANES	LEFT EDGE	PROFILE & ℄ PAV'T	RIGHT EDGE
543+00	1047.85	1048.21	1048.57
+25	1047.96	1048.32	1048.71
+50	1048.08	1048.44	1048.80
+75	1048.20	1048.56	1048.92
544+00	1048.31	1048.67	1049.03
+25	1048.42	1048.78	1049.14
+50	1048.54	1048.90	1049.26
+75	1048.66	1049.02	1049.38
545+00	1048.77	1049.13	1049.49
+25	1048.88	1049.24	1049.60
+50	1049.00	1049.36	1049.72
+75	1049.12	1049.48	1049.84
546+00	1049.23	1049.59	1049.95
+25	1049.34	1049.70	1050.06
+50	1049.46	1049.82	1050.18
+75	1049.58	1049.94	1050.30
547+00	1049.69	1050.05	1050.41
+25	1049.80	1050.16	1050.52
+50	1049.92	1050.28	1050.64
+75	1050.04	1050.40	1050.76
548+00	1050.15	1050.51	1050.87
+25	1050.26	1050.62	1050.98
+50	1050.38	1050.74	1051.10
+75	1050.50	1050.86	1051.22
549+00	1050.61	1050.97	1051.33
+25	1050.70	1051.06	1051.42
+50	1050.79	1051.15	1051.51
+75	1050.86	1051.22	1051.58
550+00	1050.91	1051.27	1051.63
+25	1050.95	1051.31	1051.67
+50	1050.98	1051.34	1051.70
+75	1050.99	1051.35	1051.71
551+00	1051.02	1051.34	1051.70
+25	1051.08	1051.32	1051.56
+50	1051.10	1051.29	1051.41
551+53.76 S.B.			
=551+70.21			
WAY-3			
551+75	1051.09	1051.28	1051.36
552+00	1051.04	1051.23	1051.21
+25	1050.97	1051.16	1051.07
+50	1050.89	1051.08	1050.93
+66.45	1050.83	1051.02	1050.83
+75	1049.79	1050.98	1049.79

	NORTHBOUND LANE		
STATION	LEFT EDGE	PROFILE & ℄ PAV'T	RIGHT EDGE
543+00	1047.78	1048.14	1048.38
+25	1047.90	1048.26	1048.62
+50	1048.01	1048.37	1048.73
+75	1048.12	1048.48	1048.84
544+00	1048.24	1048.60	1048.96
+25	1048.36	1048.72	1049.08
+50	1048.47	1048.83	1049.19
+75	1048.58	1048.94	1049.30
545+00	1048.70	1049.06	1049.42
+25	1048.82	1049.18	1049.54
+50	1048.96	1049.29	1049.65
+75	1049.04	1049.40	1049.76
546+00	1049.16	1049.52	1049.88
+25	1049.28	1049.64	1050.00
+50	1049.39	1049.75	1050.11
+75	1049.50	1049.86	1050.22
547+00	1049.62	1049.98	1050.34
+25	1049.74	1050.10	1050.46
+50	1049.85	1050.21	1050.57
+75	1049.96	1050.32	1050.68
548+00	1050.08	1050.44	1050.80
+25	1050.20	1050.56	1050.92
+50	1051.31	1050.67	1051.03
+75	1050.42	1050.78	1051.14
549+00	1050.54	1050.90	1051.26
+25	1050.65	1051.01	1051.37
+50	1050.74	1051.10	1051.46
+75	1050.93	1051.17	1051.41
550+00	1051.05	1051.24	1051.36
+25	1051.11	1051.30	1051.30
+50	1051.12	1051.33	1051.27
+75	1051.15	1051.34	1051.21
551+00	1051.16	1051.35	1051.16

	COUNTY ROAD #139		
STATION	LEFT EDGE	PROFILE & ℄ PAV'T	RIGHT EDGE
16+50	1016.94	1017.10	1016.94
+75	1016.31	1016.47	1016.37
17+00	1015.63	1015.79	1015.75
+25	1015.88	1015.04	1015.11
+50	1014.02	1014.21	1014.41
+75	1012.89	1013.21	1013.53
+80.40	1012.64	1012.98	1013.33
18+00	1011.68	1012.13	1012.58
+25	1010.41	1010.98	1011.55
+50	1009.07	1009.77	1010.47
19+00	1006.32	1007.27	1008.22
+50	1003.97	1004.77	1005.57
20+00	1001.72	1002.27	1002.82
+50	999.47	999.77	1000.07
21+00	997.11	997.27	997.32
+50	994.61	994.77	994.67
22+00	992.20	992.27	992.11
+50	989.86	989.77	989.61
23+00	987.62	987.27	986.92
+50	985.23	984.77	984.31
+75	984.02	983.70	983.38
24+00	983.15	982.97	982.80
+25	982.64	982.60	982.54
+50	982.53	982.57	982.41
+75	982.24	982.40	
25+00	981.44	981.60	981.44
26+04.84		978.10	
+15		977.64	
+25		977.23	
+40		976.76	976.60
+50		976.55	976.42
+65		976.36	976.31
+75		976.30	976.30
27+00	975.99	976.15	976.29
+20	976.01	976.27	976.53
+50	975.54	975.85	976.16
+60	974.54	975.79	976.04
+75	974.49	975.66	975.83
28+00	975.11	975.27	975.30
+10	974.91	975.07	975.04
+25	974.52	974.68	974.57
+50	973.69	973.85	973.69
+60	973.30	973.46	973.30

	COUNTY ROAD #174		
STATION	LEFT EDGE	PROFILE & ℄ PAV'T	RIGHT EDGE
18+75	912.61	912.77	912.61
19+00	911.54	911.70	912.57
+25	910.55	910.71	910.64
+50	909.66	909.82	909.82
+75	908.86	909.02	909.16
20+00	908.02	908.30	908.58
+25	907.25	907.67	908.09
+50	906.57	907.13	907.69
+75	905.98	906.67	907.36
21+00	905.74	906.30	906.86
+25	905.60	906.02	906.44
+50	905.55	905.83	906.11
22+00	905.37	905.53	905.67
+25	905.22	905.38	905.22
+50	905.07	905.23	905.07
+75	904.65	904.90	904.65

FED. RD. DIVISION	STATE	PROJECT	

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WAYNE COUNTY
WAY-3-9.94

"S.B." CURVE DATA
P.I. Sta. 529+10.00
Δ = 11°41'-27"
D = 1°-29'-00"
R = 3862.64'
T = 395.46'
L = 788.15'
E = 20.19'

Scale: 1" = 20'

525+14.54 "S.B." = 525+14.54 "N.B."

Nose: 529+44.95 S.B. = 529+44.69 WAY-3

529+56.08 'WAY-3

℄ South Bound Lanes

℄ Survey WAY-3

℄ Existing S.R. 3

6' Shldrs.

CURVE DATA ℄ SURVEY WAY-3

P.I. Sta. 539+92.09
Δ = 25°28'-20"
D = 1°-15'-00"
R = 4583.66'
L = 2037.78'
T = 1036.01'
E = 115.62'

End Taper Sta. 535+44.95

536+60.86 "S.B." = 2+66.46

533+02.69 'S.B.'

Uniform Taper

℄ South Bound Lanes

℄ Survey WAY-3-9.7 536

℄ Existing S.R. 3

LINE "C"

P.T. 2+01.04

5°0' R

2+21.59

533+82.70

Nose Sta. 534+22.90 WAY-3 = Sta. 534+26.98 Exist. S.R. 3

Taper Nose From 2" To 6" in 20'

Note: P.I. Sta. 537+00.60 Δ = 0°-43' Rt.

INTERSECTION DETAILS STA. 525+00 TO STA. 537+50

FED. RD. DIVISION	STATE	PROJECT	

WAYNE COUNTY
WAY-3-9.94

℄ S.B. LANES CURVE DATA
P.I. Sta. 546 + 05.19
Δ = 13°-46'-53"
D = 1°-15'-00"
R = 4583.66'
L = 1102.51'
T = 553.94'
E = 33.35'

WAY-3 CURVE DATA
P.I. Sta. 539+ 92.05
Δ = 25°-28'-20"
D = 1°-15'-00"
R = 4583.66'
L = 2037.78'
T = 1036.01'
E = 115.62'

LINE "C" CURVE DATA
Δ = 57°-35'-33"
D = 28°-38'-52"
R = 200.00'
T = 109.93'
L = 201.04'
E = 28.22'

LINE "B" CURVE DATA
P.I. Sta. 492 + 54.43
Δ = 31°-48'-29"
D = 13°-36'-21"
R = 421.11'
L = 233.78'
T = 119.99'
E = 16.76'

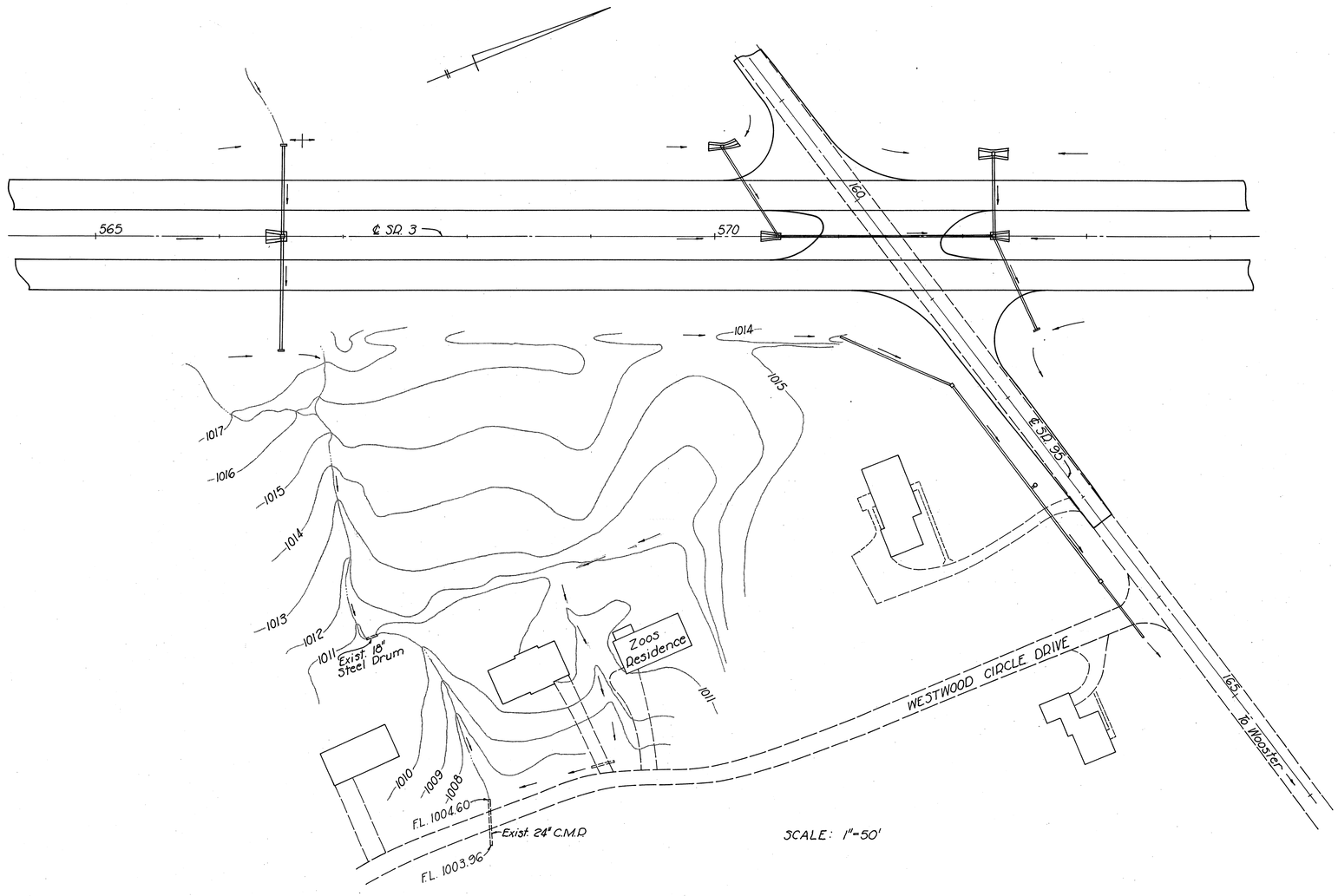
P.I. Sta. 542+30.24 P.O.C. ℄ S.B., 9.57 Rt.
P.I. Sta. 542+30.58 P.O.S.T. S.B., 6.06 Rt.

LINE "A" CURVE DATA
P.I. Sta. 490+ 87.36
Δ = 31°-00'-06"
D = 10°-00'-00"
R = 572.96'
L = 310.02'
T = 158.91'
E = 21.63'

P.I. Sta. 540 + 96.85 P.O.C. ℄ WAY-3, 34.74 Rt.

INTERSECTION DETAILS STA. 537+50 TO STA. 544+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		



SCALE: 1"=50'

COMPLAINT OF RICHARD ZOOS
WAYNE COUNTY, PROJECT 265 (1961), SR 3. - 9,94

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
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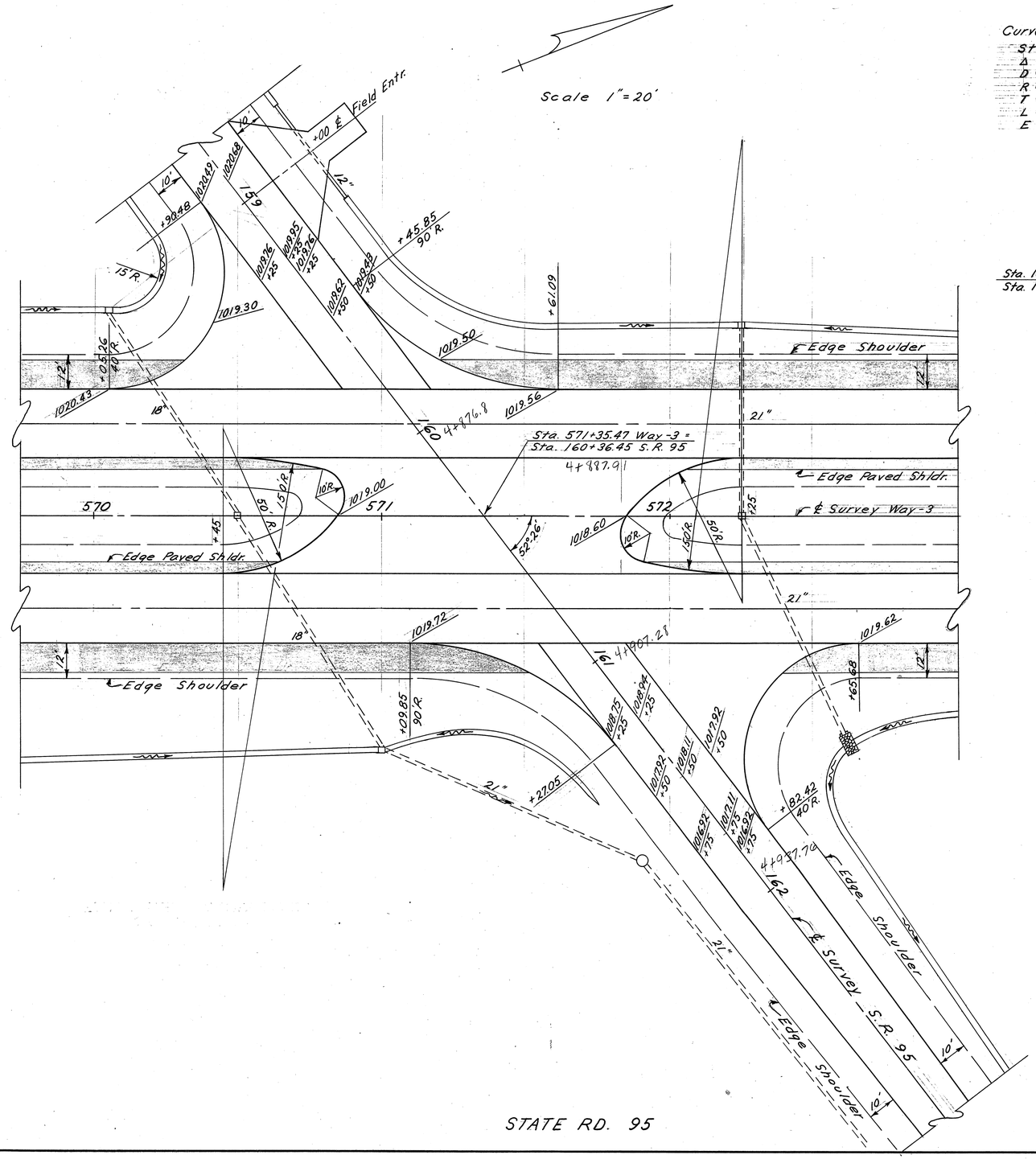
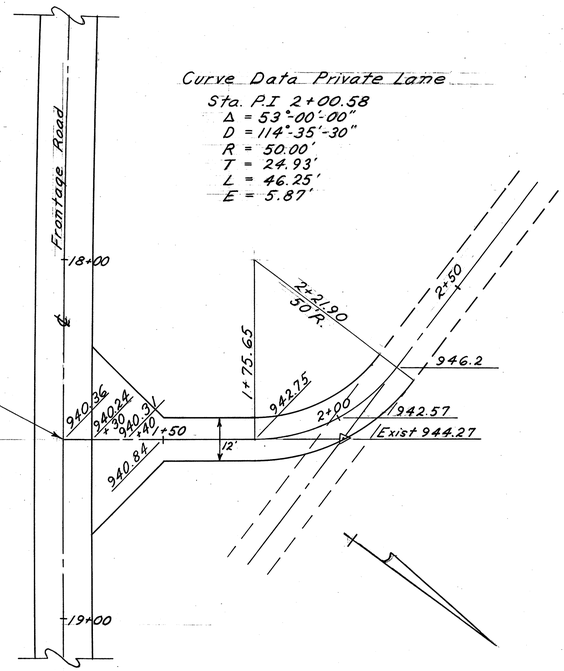
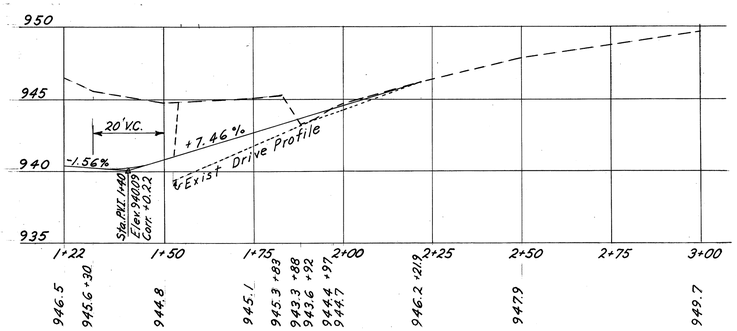
Scale 1" = 20'



Curve Data Frontage Rd.
Sta. P.I. 17+28.57
Δ = 8°-8'-59"
D = 1°-22'-20"
R = 4175.18'
T = 297.45'
L = 593.88'
E = 10.58'

Curve Data Private Lane
Sta. P.I 2+00.58
Δ = 53°-00'-00"
D = 114°-35'-30"
R = 50.00'
T = 24.93'
L = 46.25'
E = 5.87'





PRIVATE DRIVE
Lt 18+50.12
Frontage Rd.

INTERSECTION DETAILS

FED. RD. DIVISION	STATE	PROJECT	
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WAYNE COUNTY
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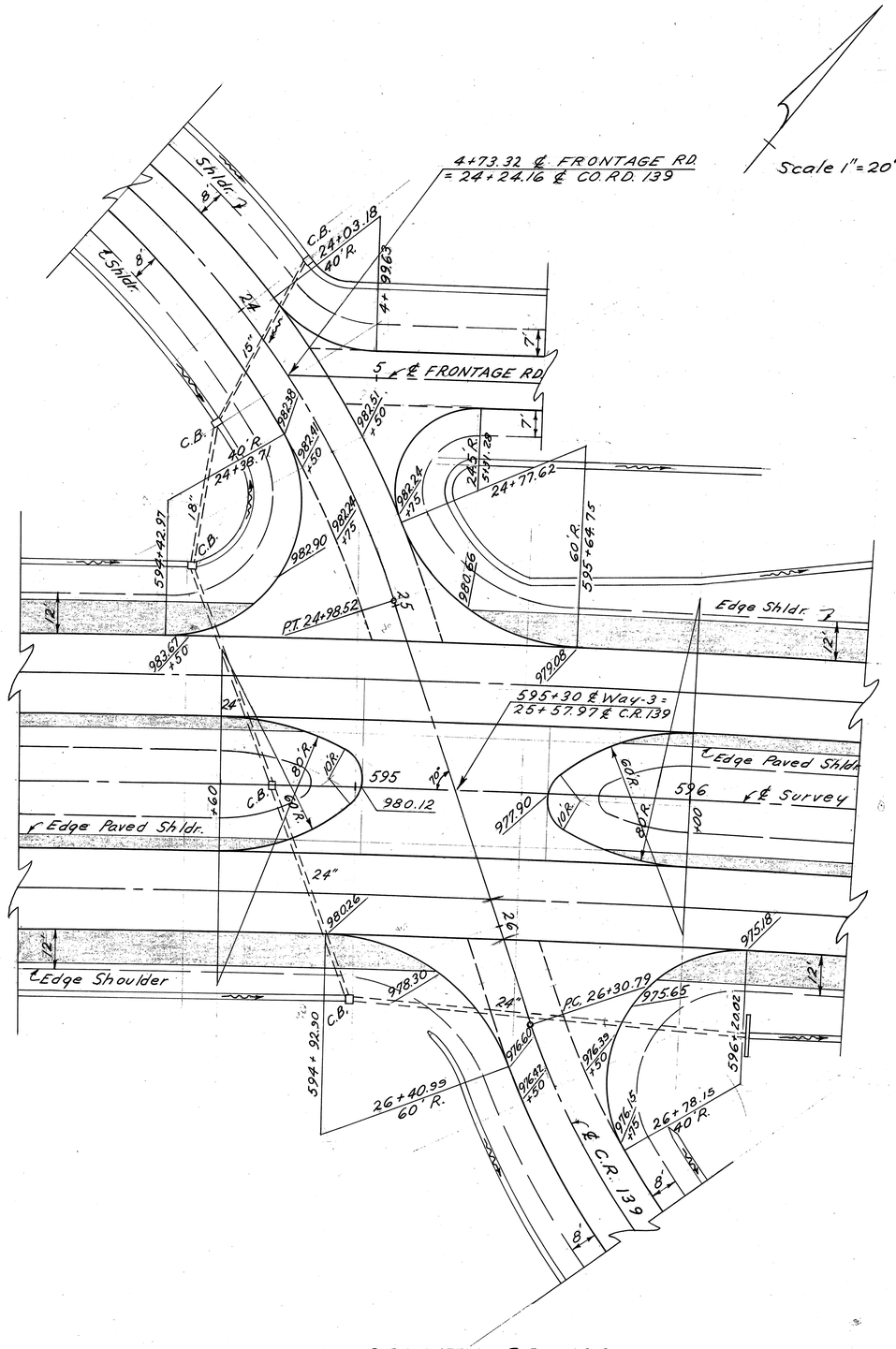
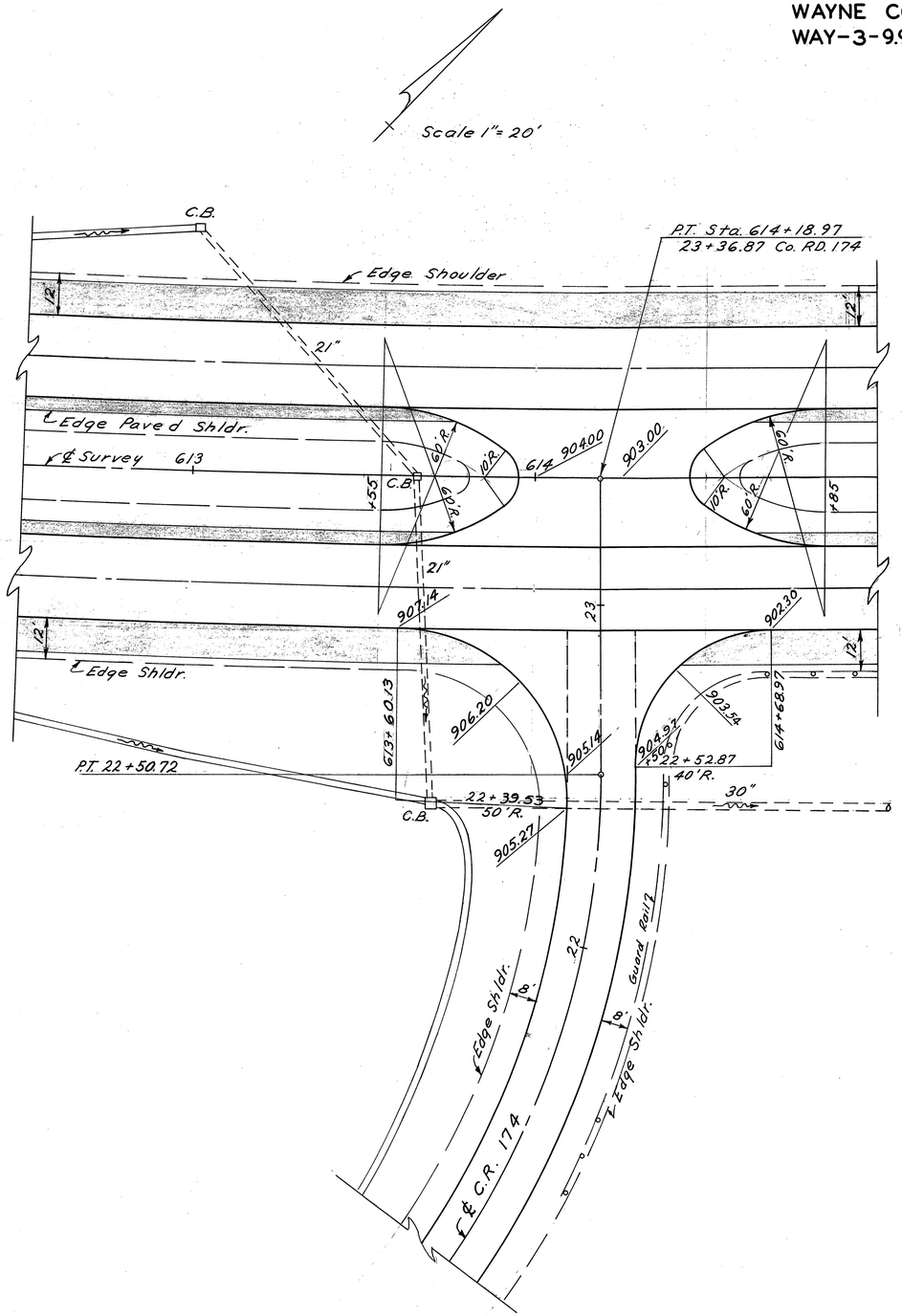


COUNTY RD. 139



COUNTY RD. 174

INTERSECTION DETAILS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
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P.I. Southbound Lanes 622+00
Δ = 0° 56' 58" Rt.
D = 0° 12'
T = 245.56'
R = 28,647.89'
L = 491.11'
E = 1.05'

P.C. ℄ Pavement Sta. 619+54.44

P.T. ℄ Pavement Sta. 624+45.52

Berm
Paved Shoulder
Guard Rail
℄ Southbound Lane
Paved Shoulder
Berm
℄ Survey
2' Median Ditch
Slope 4:1
Slope 4:1
620
621
622
623
624
625
Slope 4:1
Slope 4:1
Berm
Paved Shoulder
℄ Northbound Lane
Paved Shoulder
Guard Rail
Berm

P.I. Northbound Lanes 622+00
Δ = 0° 56' 58" Lt.
D = 0° 12'
T = 245.56'
R = 28,647.89'
L = 491.11'
E = 1.05'

P.C. ℄ Pavement Sta. 619+54.44

P.T. ℄ Pavement Sta. 624+45.52

P.I. Southbound Lanes 629+00
Δ = 0°56'58" Lt.
D = 0° 12'
T = 245.56'
R = 28,647.89'
L = 491.11'
E = 1.05'

P.C. ℄ Pavement Sta. 626+54.48

Begin Type 6 Curb Both Sides 627+75

P.T. ℄ Pavement Sta. 631+45.56

Berm
Paved Shoulder
℄ Southbound Lane
2' Median Ditch
Berm
Slope Varies 4-3.7:1
Slope Varies 4-3.7:1
Berm
Paved Shoulder
626
627
628
629
630
631
Slope ½ in/ft.
6" Type 6 Curb
Slope ½ in/ft.
℄ Northbound Lane
Paved Shoulder
Berm

Curb Transition 2" to 6" in 20'
Sta. 627+75 to Sta. 627+95

P.I. Northbound Lanes 629+00
Δ = 0° 56' 58" Rt.
D = 0° 12'
T = 245.56'
R = 28,647.89'
L = 491.11'
E = 1.05'

P.C. ℄ Pavement Sta. 626+54.48

P.T. ℄ Pavement Sta. 631+45.56

MEDIAN TRANSITION DETAILS STA. 619+54.44 TO STA. 631+45.56

FED. AID DIVISION	STATE	PROJECT	
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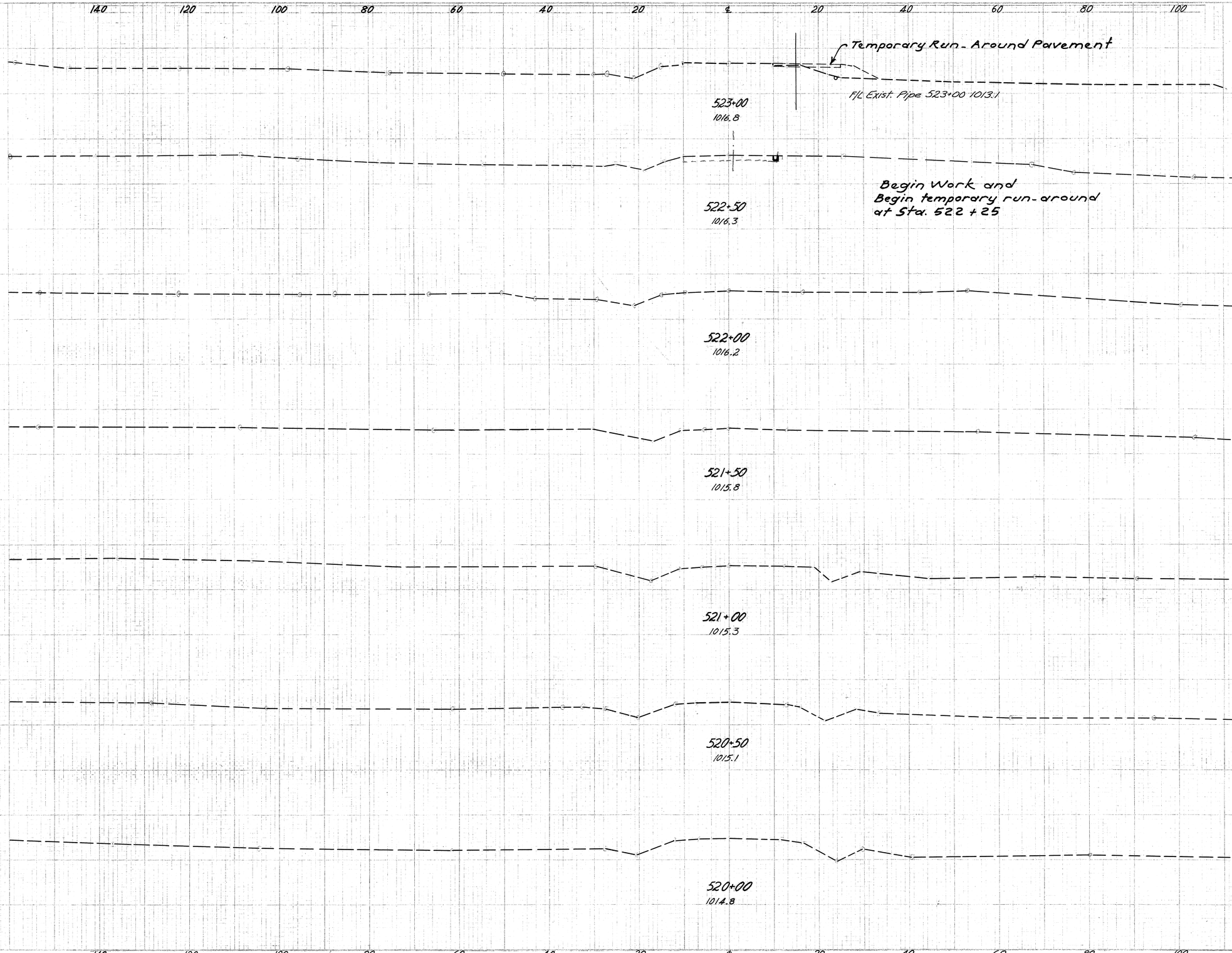

END AREA		CU. YARDS	
CUT	FILL	CUT	FILL

Sta. 520+00 To Sta. 523+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
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	END AREA		CU. YARDS	
	CUT	FILL	CUT	FILL
	50	5		
			79	20
Drive Lt 525+50	35	16		
			2	2
			72	62
Sta 525+00 Ah.	43	51		
Sta 525+00 Back	18	36		
			37	60
	22	28		
			44	46
Drive Rt 523+90	25	21	5	14
			28	20
Ahead	5	0		

Temporary Run-Around
1015.5
1020.82
526+00
1020.6
1017.30

℄ Profile Drive Lt 525+50
1015.0
1019.87
525+50
1019.5
1015.9

Sta 525+00 Begin Project
Sta 525+00 Begin Pvt. Removal
Ahead
Back
P.C.=4 Endwall
1014.5
Begin Pipe 525+00
1019.02
525+00
1019.0
1014.5

1014.25
524+50
1018.3
1013.75

℄ Profile Pr. Drive Rt. 523+90
1014.0
524+00
1017.7
1013.5
Inlet Exist. 15" Pipe 524+05 1013.99
Outlet Exist. 15" Pipe 523+85 1013.79

Temporary Run-Around
523+50
1017.3

Exist. Pvt. & Temp. Run-Around
℄ Profile Exist.
Temporary Run-Around ℄ Profile
1038.0
1036.4
1034.0
1031.4
1029.3
1027.4
1025.6
1024.2
1022.8
1021.7
1020.6
1019.5
1019.0
1018.3
1017.7
1017.3
1016.8
1016.3
1016.25 @+25
1030
1020
1010
531
530
529
528
527
526
525
524
523
522
521
140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

Sta. 523+50 To Sta. 526+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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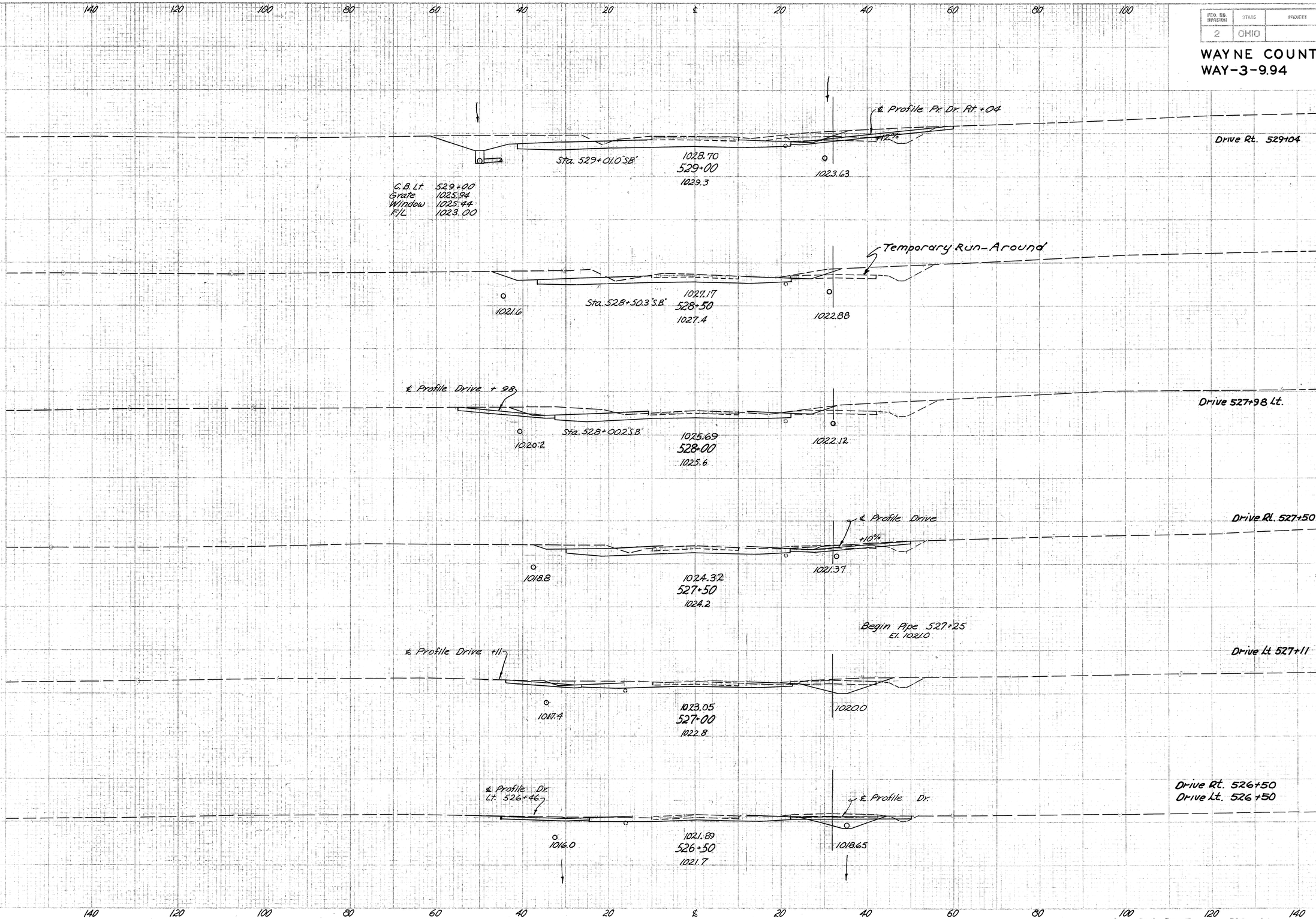
WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
213	0	48	
		320	0
132	0		
		222	0
108	0		
		24	
		172	0
77	0	25	
		158	0
93	0	15	
		142	0
		8	14
60	0	14	0
		102	5

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

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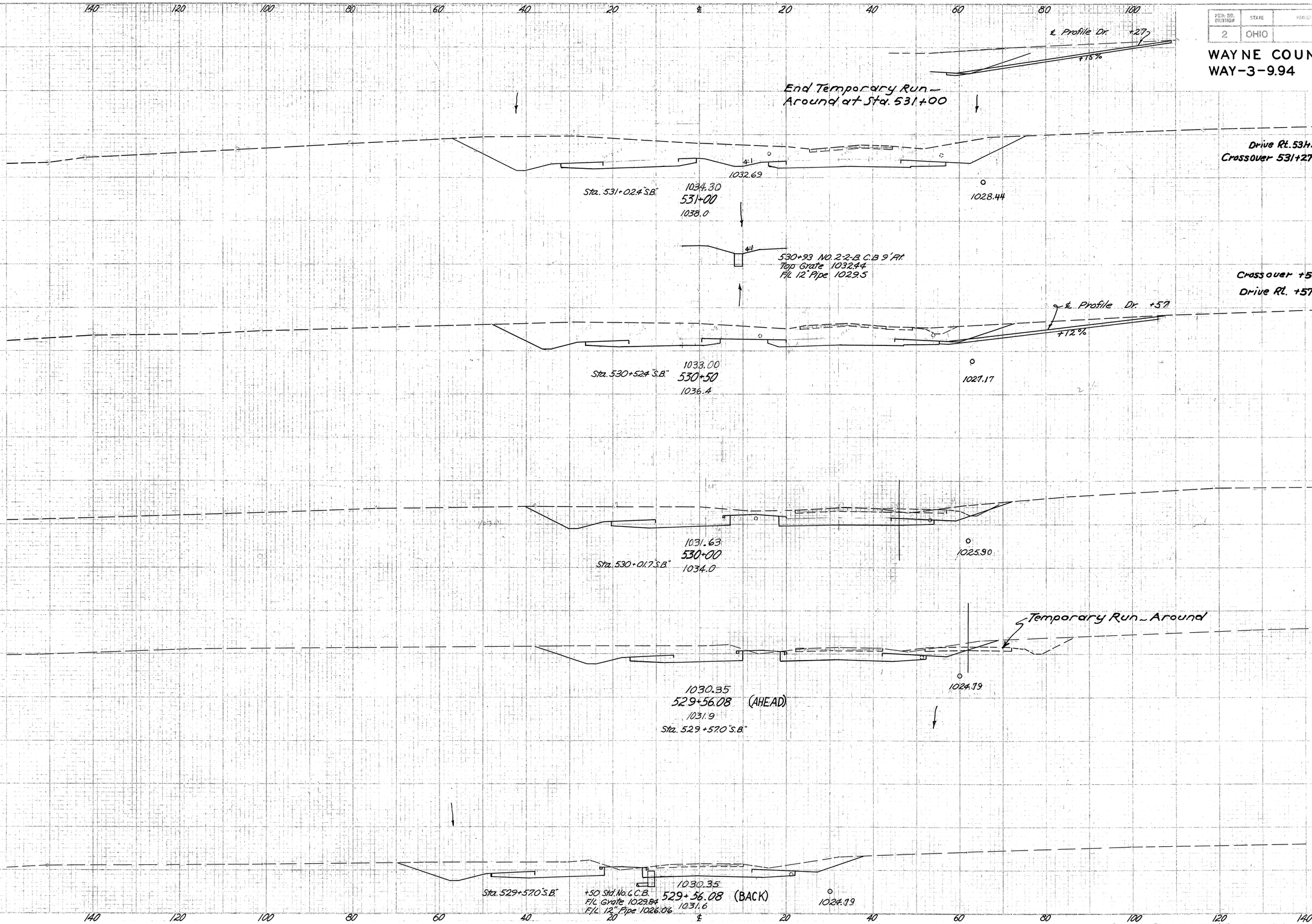
WAYNE COUNTY
WAY-3-9.94



	END AREA		CU YARDS	
	CUT	FILL	CUT	FILL
Drive Rt. 531+27			99	
Crossover 531+27	650	0	5	
			1063	0
Crossover +57			15	
Drive Rt. +57			87	
	498	0		
			797	0
	362	0		
			509	2
	264	2		
			0	0
	264	2		
			495	2

Sta. 529+56.08 To Sta. 531+00

FED. RD. DIVISION	STATE	PROJECT
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WAYNE COUNTY
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END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
611	0		
		1412	0
		34	
		410	0
912	0		
		1697	0
920	0		
		1640	0
851	0		
		1506	0
775	0		
		1320	0

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

Sta. 533+52.1 "S.B."
1039.84
533+50
1042.2

Crossover 533+30

Drive Rt + 34
See Sheet 94

Sta. 533+02.2 "S.B."
4:1
1036.08
1038.86
533+00
1043.2
1033.0

Sta. 532+52.8 "S.B."
4:1
1035.54
1037.82
532+50
1043.0
1031.9

Sta. 532+02.56 "S.B."
4:1
1034.93
1036.71
532+00
1041.5
1030.8

4:1
531+60 2-2B C.B.
Top Grate 1034.0
Rt. 12" Pipe 1031.0

Sta. 531+52.6 "S.B."
1035.54
531+50
1040.9
1029.7

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

Sta. 531+50 To Sta. 533+50

FED. RD. DIVISION	STATE	PROJECT	
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WAYNE COUNTY
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140
120
100
80
60
40
20
℄
20
40
60
80
100
Match Line
4:1
6:1
1033.6
Sta. 536+01.1 "S.B."
1039.97
1042.0
1043.75
536+00
1040.0
Match Line
1034.0
Sta. 535+51.2 "S.B."
1039.0
1043.10
535+50
1040.3
Match Line
10344
Sta. 535+01.6 "S.B."
1038.28
1042.38
535+00
1040.8
Match Line
— 0.5%
1034.8
F/L 1034.82
P.C.4 End Wall
86'-15" Pipe
Sta. 534+51.8 "S.B."
2-2A C.B.
Top Grate 1037.5
F/L Window 1037.0
F/L 12" Pipe 1035.5
F/L 15" Pipe 1035.25
1041.60
534+50
1041.0
534+26 46' Rt.
No. 6 C.B.
Top Grate 1041.27
F/L 12" Pipe 1038.0
534+22.96 Ahead
534+22.96 Back
1036.0
Sta. 534+01.8 "S.B."
1037.7
1040.75
534+00
1041.8
140
120
100
80
60
40
20
℄
20
40
60
80
100
120
140

Sta. 534+00 To Sta. 536+00

END AREA CUT	END AREA FILL	CU. YARDS CUT	CU. YARDS FILL
22	484		
		53	730
35	302		
		109	433
82	165		
		239	222
176	75		
		201	56
227	36		
431	36		
		393	17
491	4		
		1020	4

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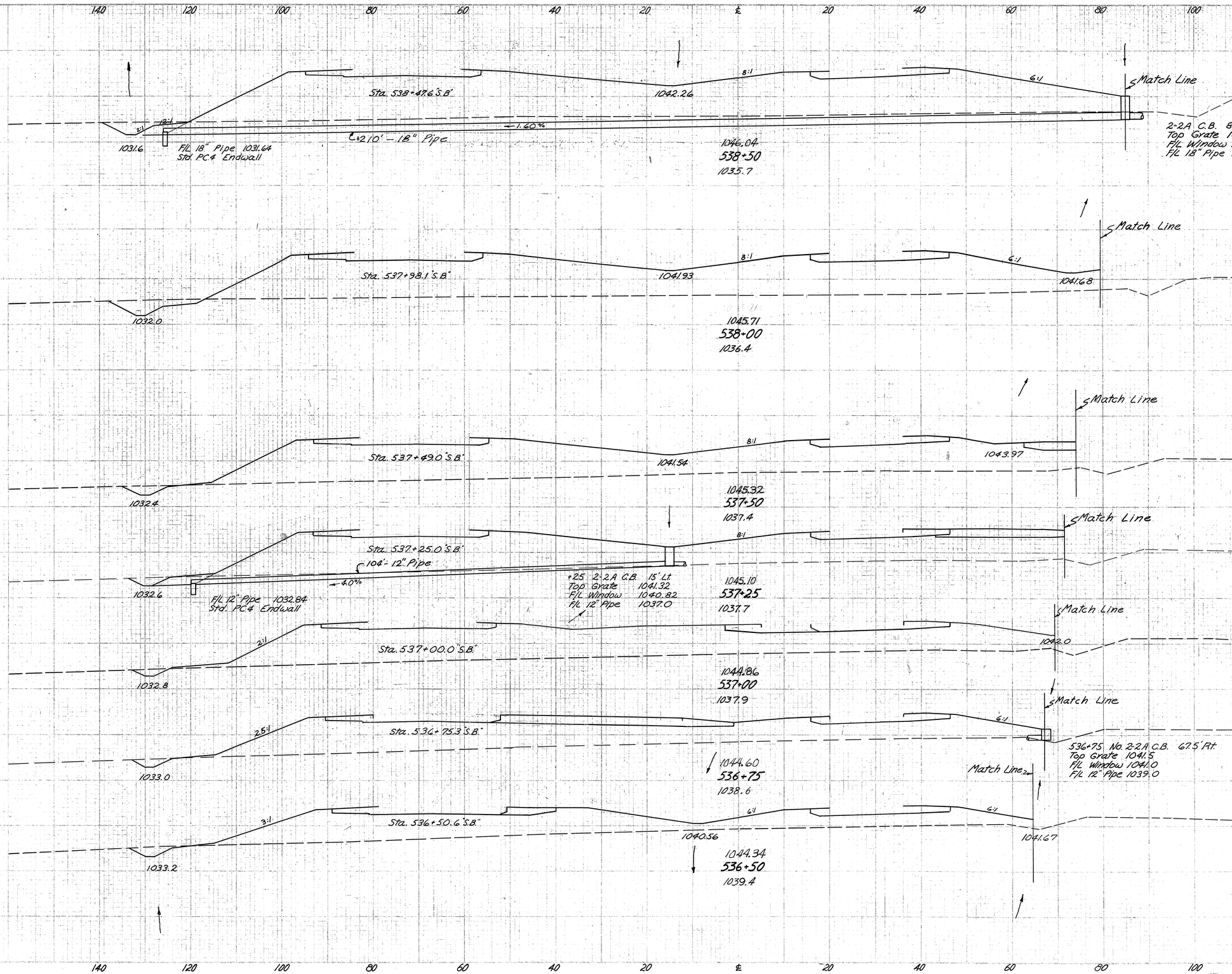

END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
27	1636		
		55	2814
32	1403		
		42	2423
13	1213		
		10	1095
9	1152		
		8	1046
9	1106		
		8	928
9	898		
		13	757
19	737		
		38	1133

FED. RD. DIVISION	STATE	PROJECT	
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WAYNE COUNTY
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140 120 100 80 60 40 20 ℄ 20 40 60 80 100

Sta. 540+93.8 "S.B."
1044.41
8:1
1030.4
1031.5
1047.22
541+00
1034.0

Sta. 540+44.2 "S.B."
1043.21
8:1
1046.45
Match Line
1030.6
1035.5
1046.99
540+50
1035.0

Sta. 539+95.1 "S.B."
1042.98
8:1
1043.57
6:1
Match Line
1030.8
1046.76
540+00
1035.1

Sta. 539+46.3 "S.B."
1042.75
8:1
1040.41
6:1
Match Line
1031.0
1046.53
539+50
1035.4

Sta. 538+97.1 "S.B."
1042.52
8:1
1040.28
6:1
Match Line
1031.2
1046.30
539+00
1035.1

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

Sta. 539+00 To Sta. 541+00

	END AREA		CU. YARDS	
	CUT	FILL	CUT	FILL
	17	2586		
			57	4526
	44	2302		
			64	4094
	25	2120		
			34	3852
	11	2040		
			20	3666
	10	1919		
			35	3292

FED. RD. DIVISION	STATE	PROJECT	
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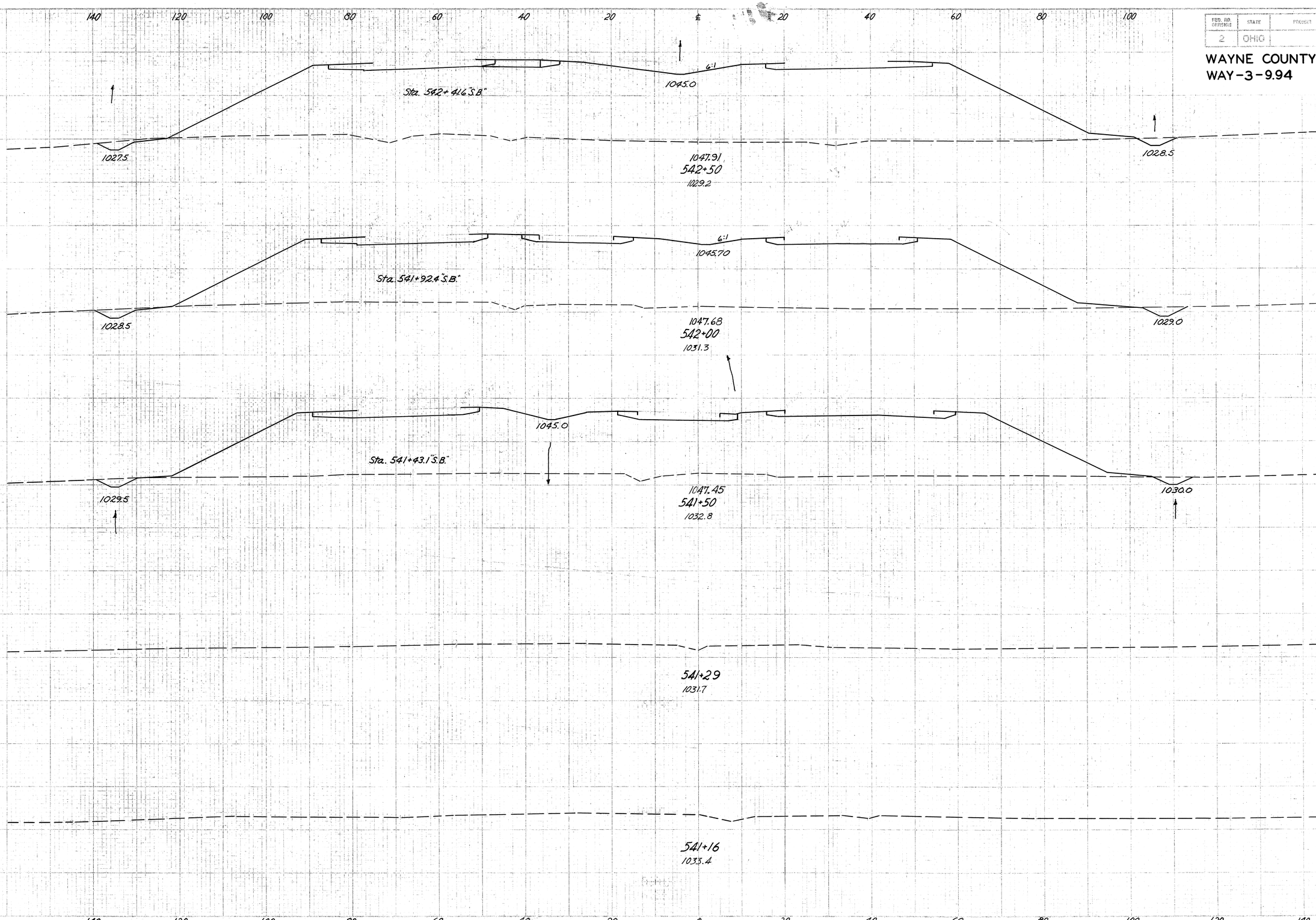
END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
21	3046		
		43	5320
25	2699		
		42	4950
20	2647		
		35	4845



Sta. 541+16 To Sta. 542+50

FED. AID DIVISION	STATE	PROJECT
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WAYNE COUNTY
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	END AREA		CU. YARDS	
	CUT	FILL	CUT	FILL
Sta. 544+88.0 "S.B."	19	2931		
			37	5547
Sta. 544+38.2 "S.B."	21	3060		
			43	5825
Sta. 543+89.0 "S.B."	25	3231		
			42	6020
Sta. 543+40.2 "S.B."	20	3270		
			42	6091
Sta. 542+91.0 "S.B."	25	3308		
			43	5884

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

Sta. 543+00 To Sta. 545+00

6:1

1045.28

Sta. 544+88.0 "S.B."

1028.75

1031.0

1049.06
545+00
1030.8

6:1

1045.05

Sta. 544+38.2 "S.B."

1028.0

1030.0

1048.83
544+50
1029.9

6:1

1044.82

Sta. 543+89.0 "S.B."

1027.0

1029.0

1048.60
544+00
1029.4

25° Bends I-5 M64(c)

Conc. Collar

1.25%

1040.5

15" x 78' I-2 M6.5(4) or M-6.8(b)

Sta. 543+40.2 "S.B."

6:1

No. 2-2A C.B. Mod.
Top Grate Elev. 1044.59
F/L Window 1044.09
F/L 15" Pipe 1041.5

1028.5

1048.37
543+50
1029.1

Dumped Rock
9' x 4' x 2.5'

15" x 36' I-2
M-6.4(c)

1026.0

Std. P.C.-4 Endwall
F/L 1026.10

6:1

1044.80

Sta. 542+91.0 "S.B."

1.18%

1025.4

F/L 1025.5

Std. P.C.-4 Endwall

30" x 228' S-27 M-6.6(c)

1048.14
543+00
1029.3

Std. P.C.-4 Endwall

1028.3
F/L 1028.2

FED. HWY. DIVISION	STATE	PROJECT	
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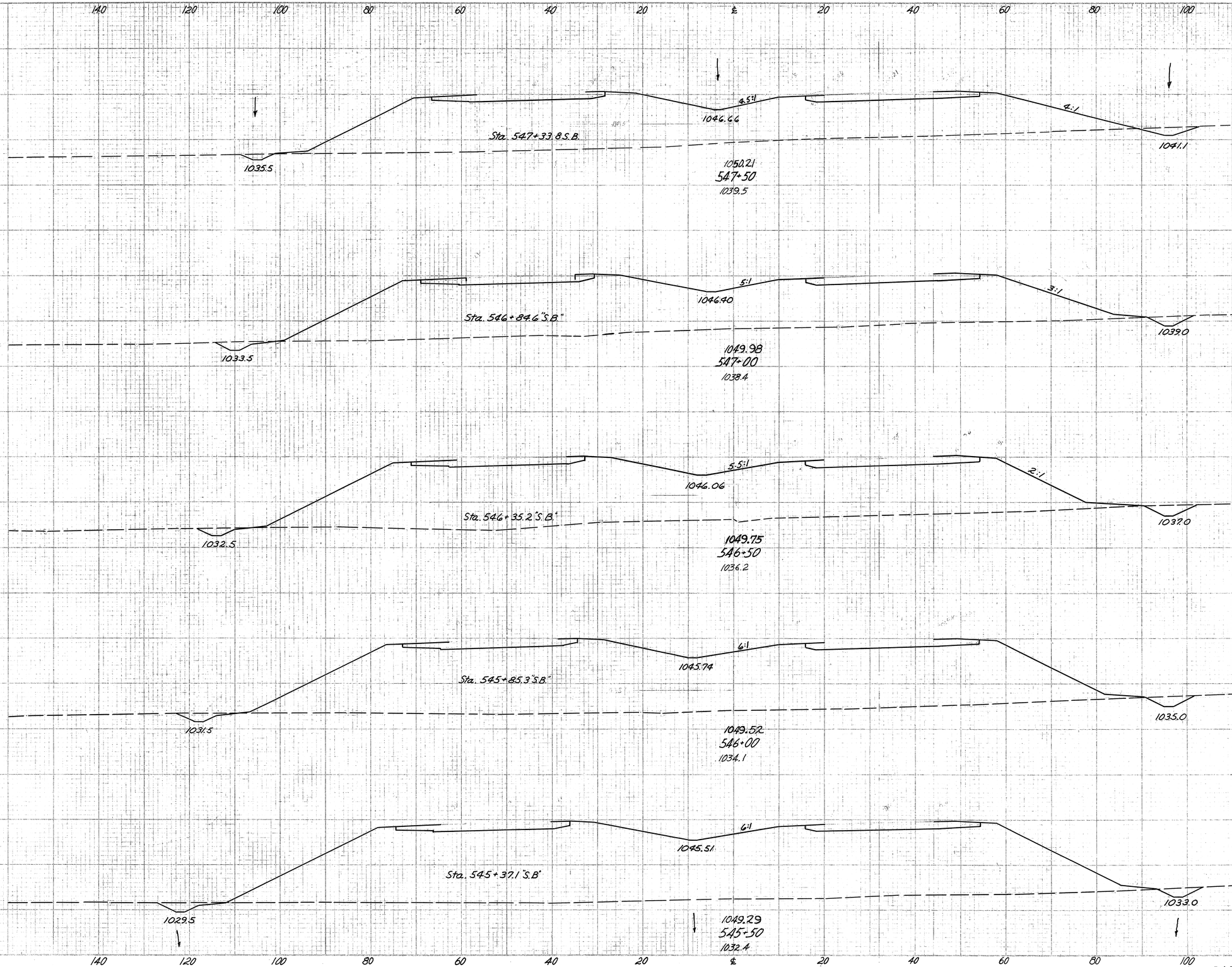

END AREA		CU YARDS	
CUT	FILL	CUT	FILL
20	1570		
		43	3069
26	1744		
		43	3468
20	2001		
		39	4003
22	2322		
		42	4678
23	2676		
		39	5192

Sta. 545 + 50 To Sta. 547 + 50

FED. RD. DIVISION	STATE	PROJECT	
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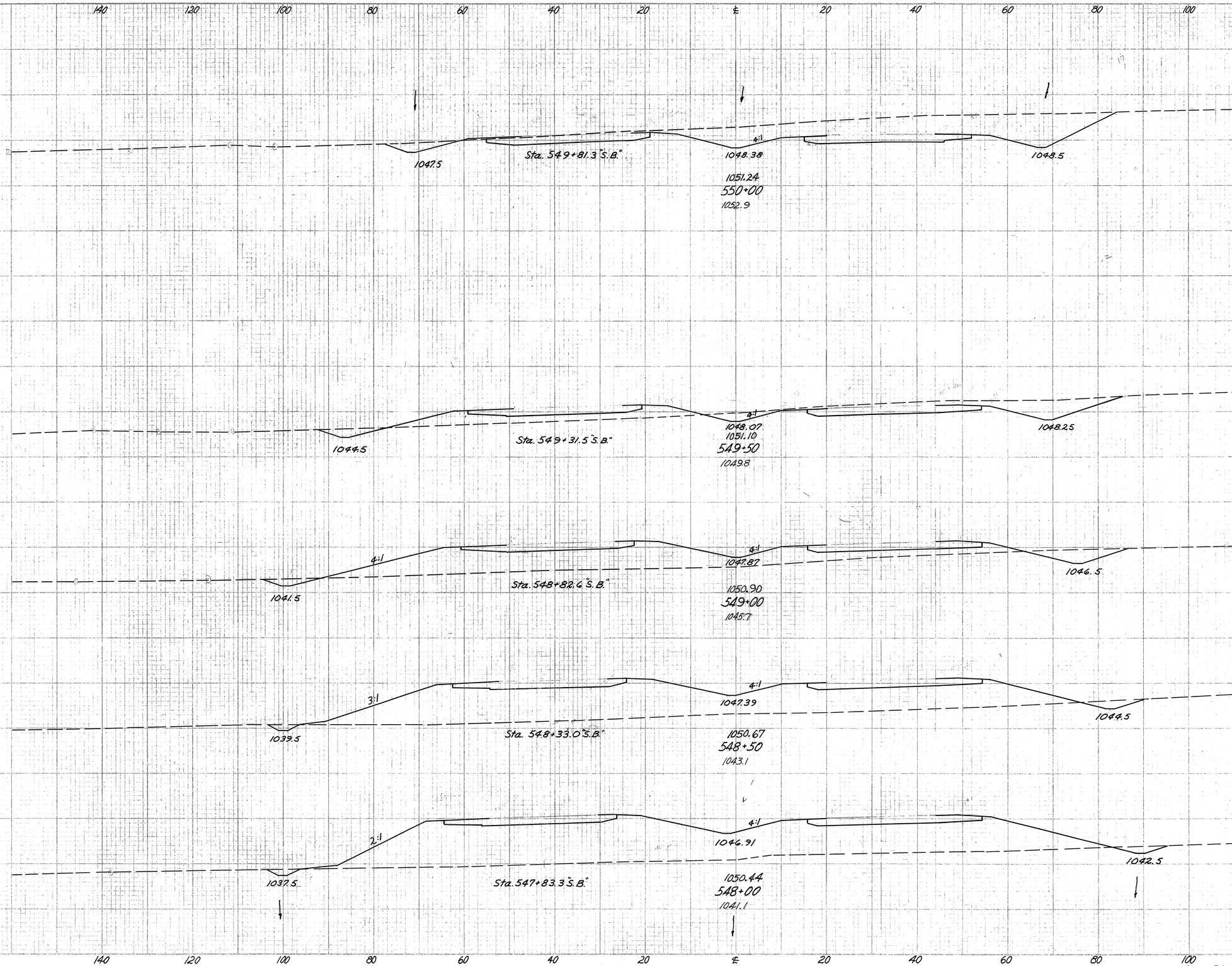

END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
533	1		
		685	121
207	129		
		237	581
49	498		
		64	1387
20	1000		
		34	2055
16	1219		
		34	2583

Sta. 548+00 To Sta. 550+00

FED. RD. DIVISION	STATE	PROJECT	
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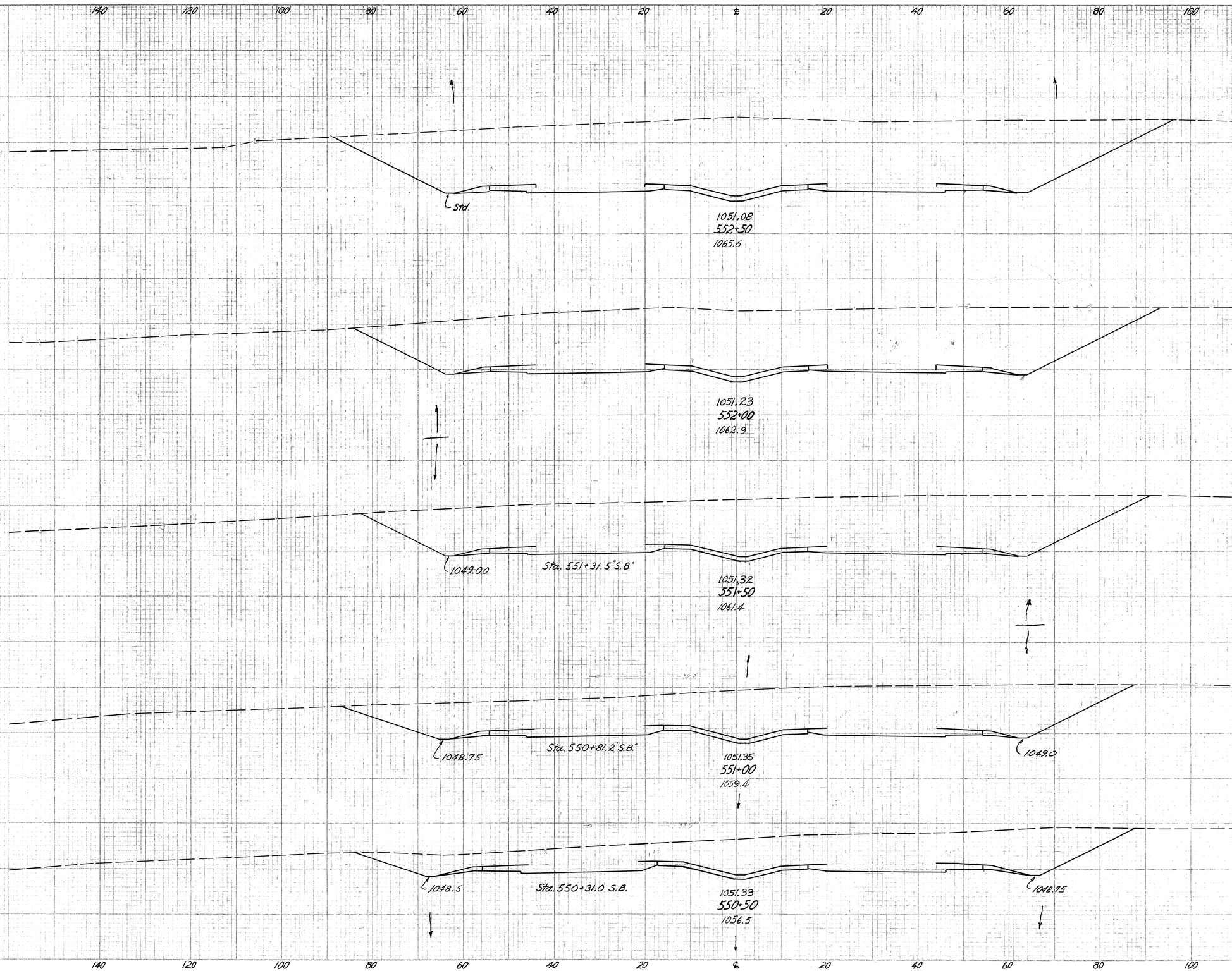

END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
2428	0		
		4180	0
2086	0		
		3617	0
1820	0		
		3059	0
1483	0		
		2343	0
1047	0		
		1463	

Sta. 550+50 To Sta. 552+50

FED. RD. DIVISION	STATE	PROJECT	
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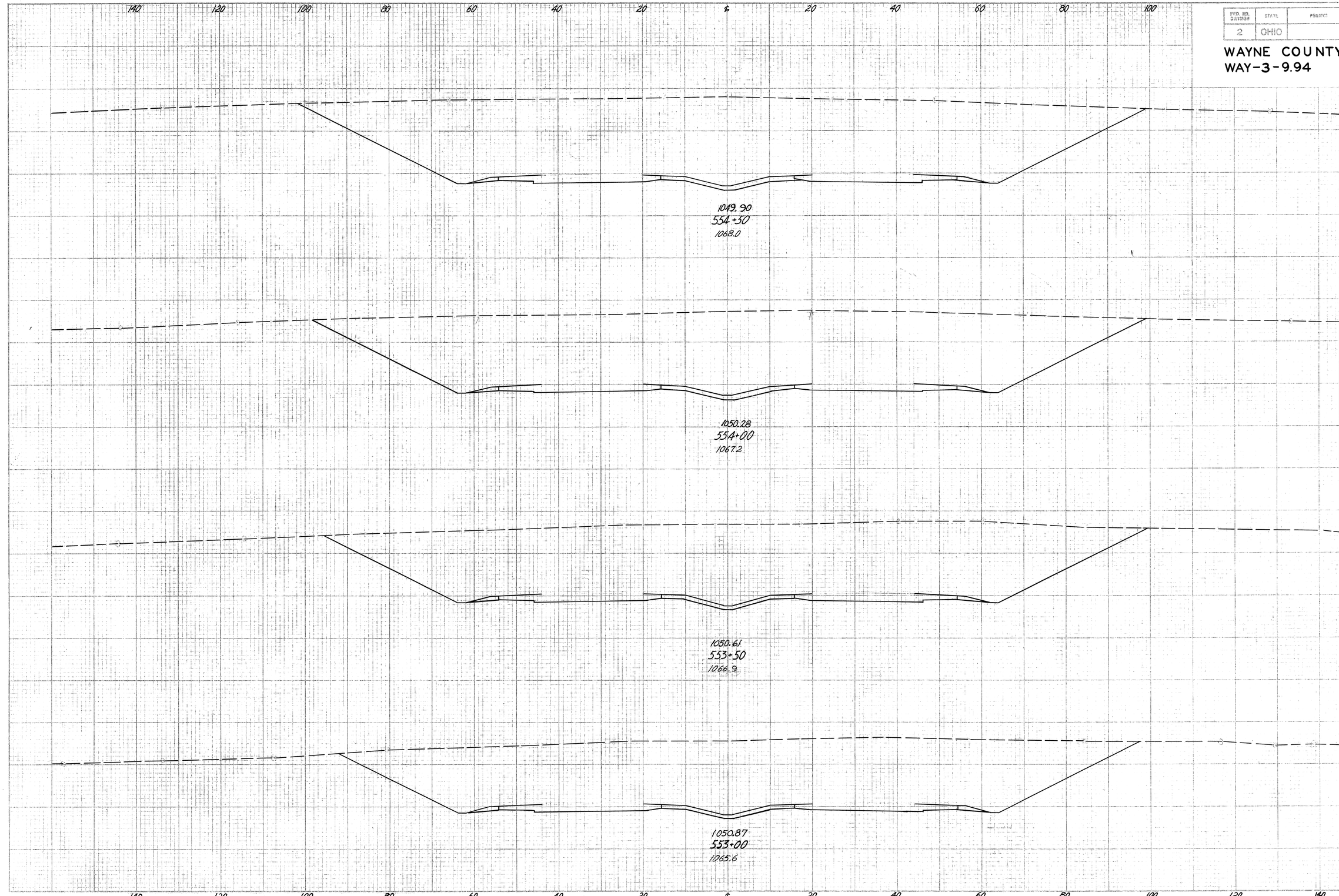

END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
3174	0		
		5712	0
2985	0		
		5481	0
2924	0		
		5144	0
2631	0		
		4684	0

Sta. 553+00 To Sta. 554+50

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END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
3307	0		
		6144	0
3328	0		
		6266	0
3439	0		
		6257	0
3318	0		
		6011	0

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

1047.79
556+50
1065.9

1048.40
556+00
1067.0

1048.96
555+50
1067.9

1049.46
555+00
1068.3

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

Sta. 555+00 To Sta. 556+50

FED. NO. DIVISION	STATE	PROJECT	
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WAYNE COUNTY
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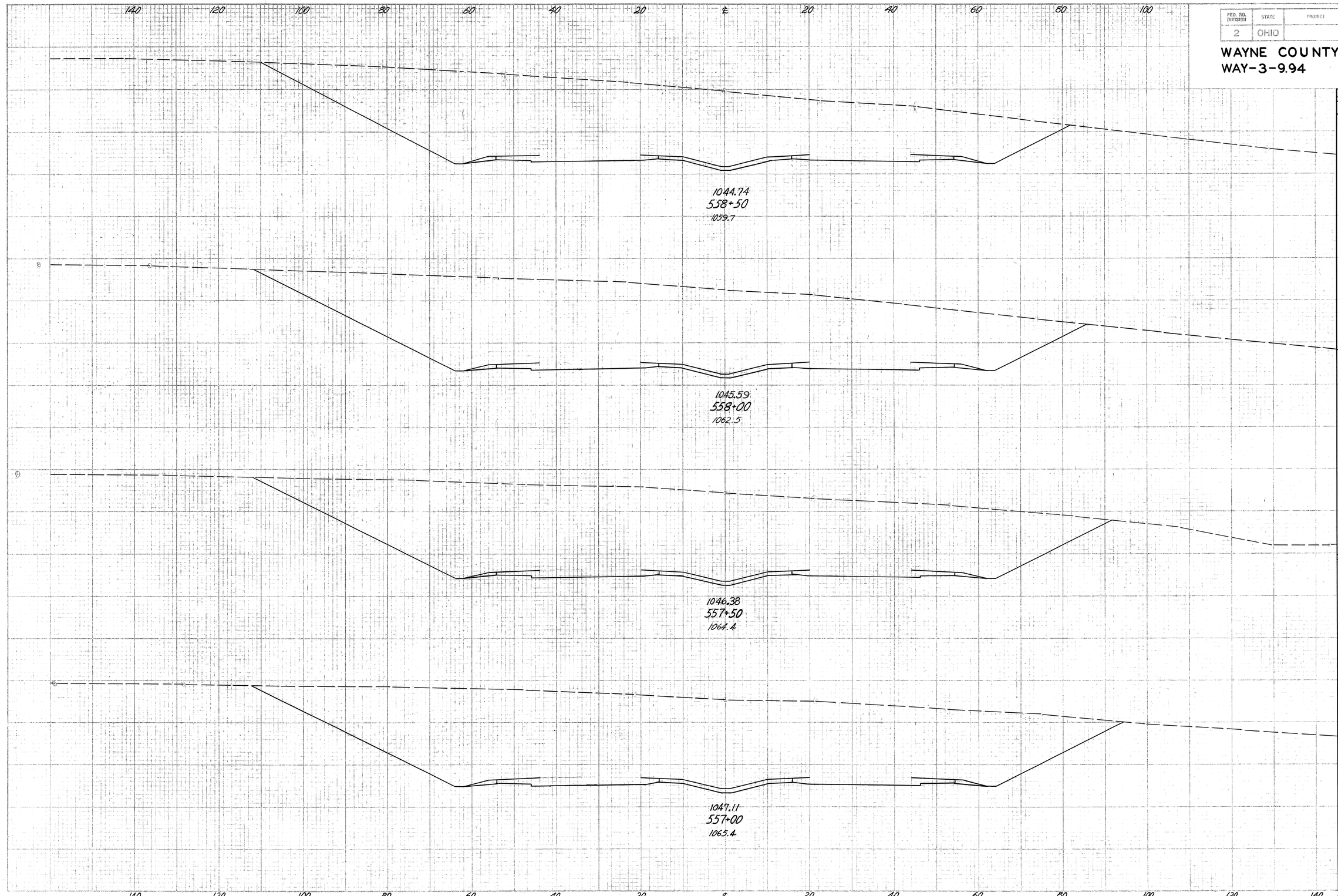

END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
2718	0		
		5368	0
3080	0		
		5908	0
3300	0		
		6260	0
3461	0		
		6267	0

Sta. 557+00 To Sta. 558+50

FED. NO. DIVISION	STATE	PROJECT	
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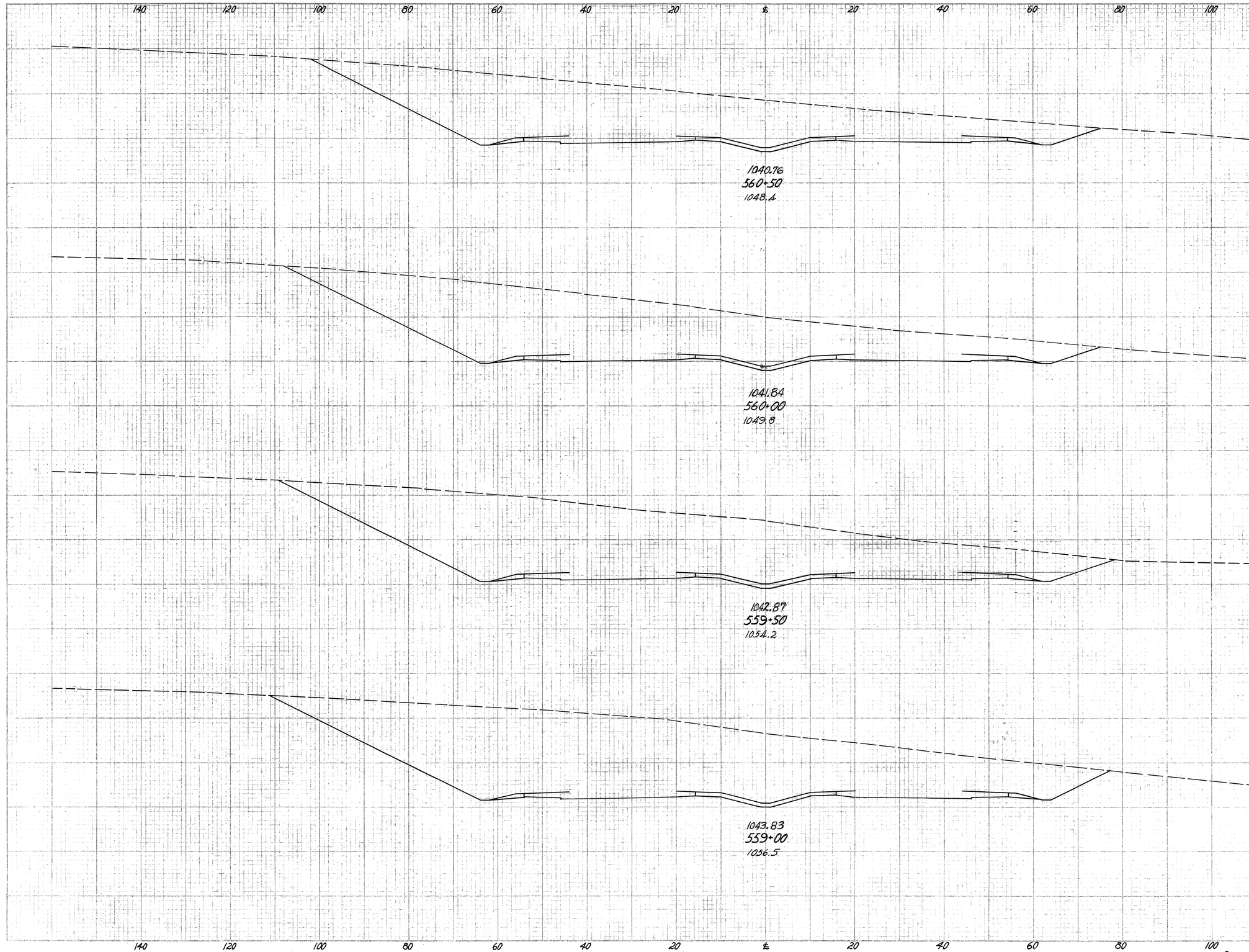
WAYNE COUNTY
WAY-3-9.94

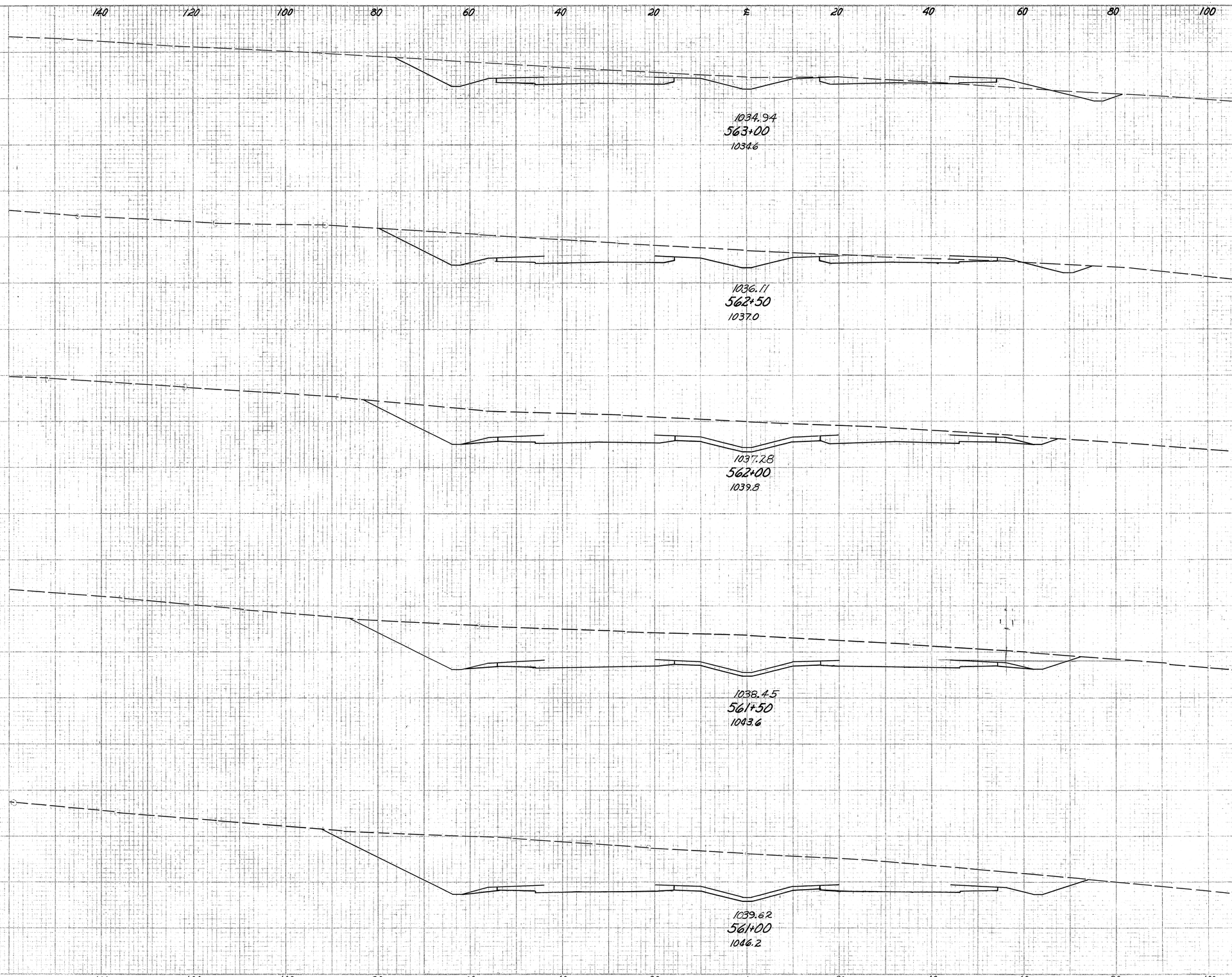


End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
1612	0		
		3163	0
1804	0		
		3666	0
2155	0		
		4269	0
2455	0		
		4790	0

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

60
151

WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
289	19		
		660	21
423	3		
		1028	3
687	0		
		1547	0
983	0		
		2113	0
1299	0		
		2696	0

Sta. 561+00 To Sta. 563+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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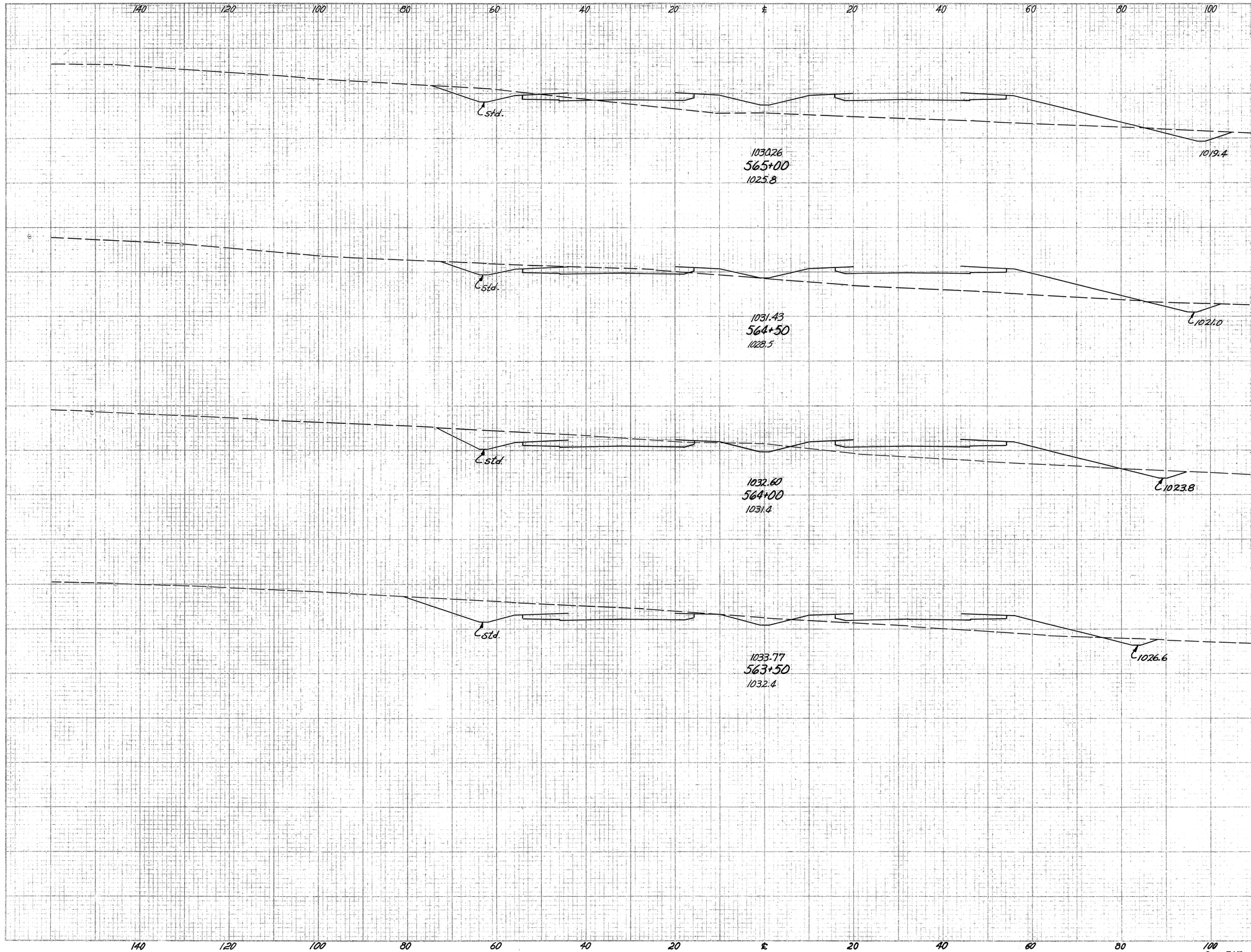
151

WAYNE COUNTY
WAY-3-9.94



End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
74	410		
		160	639
99	280		
		247	427
167	181		
		348	287
209	129		
		461	137

Sta. 563+50 To Sta. 565+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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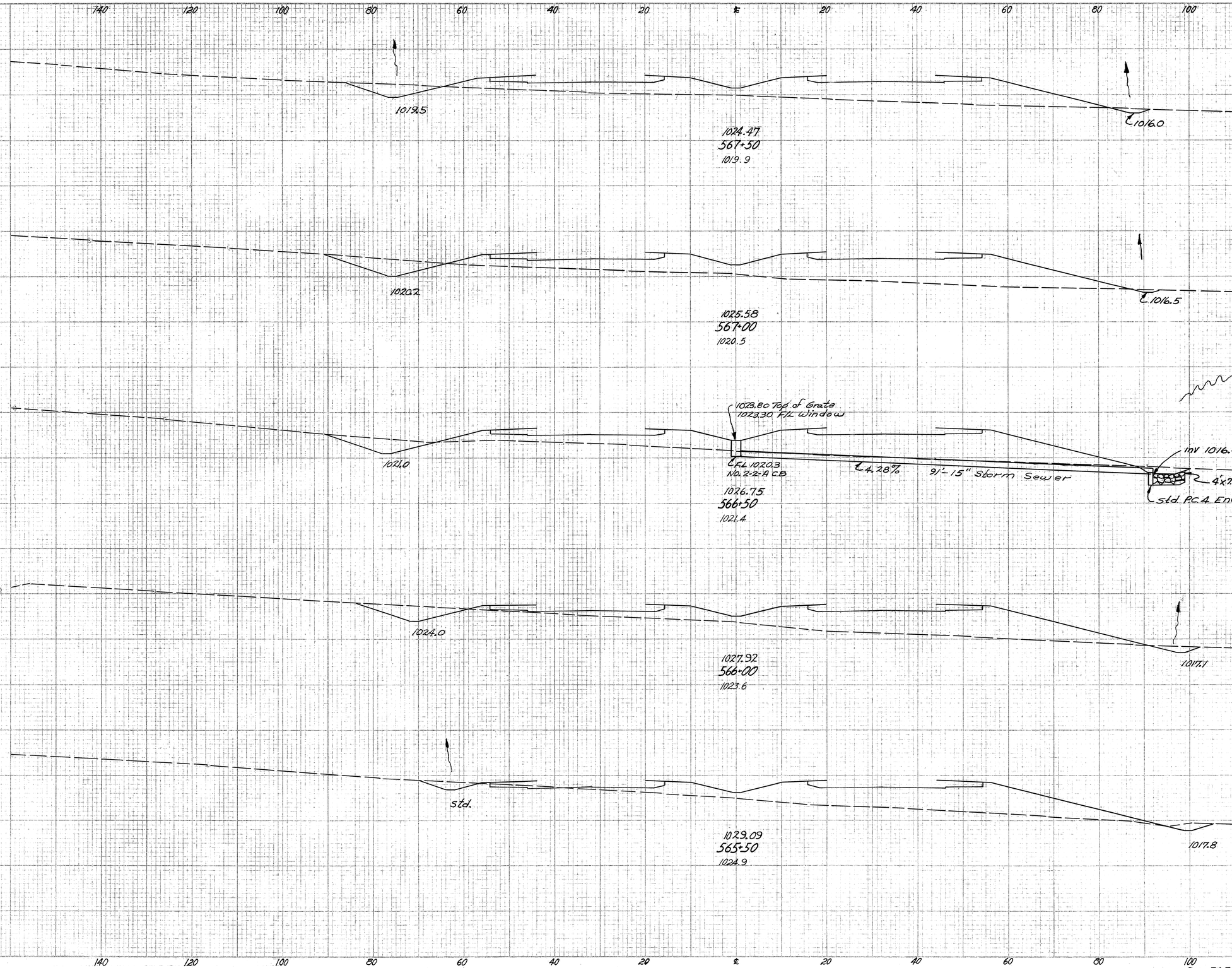
151

WAYNE COUNTY
WAY-3-9.94



	END AREA		CU. YARDS	
	CUT	FILL	CUT	FILL
	43	470		
			84	948
	47	554		
			93	999
	53	525		
	98	917		
	53	465		
	75	832		
	28	433		
	95	781		

Sta. 565+50 To Sta. 567+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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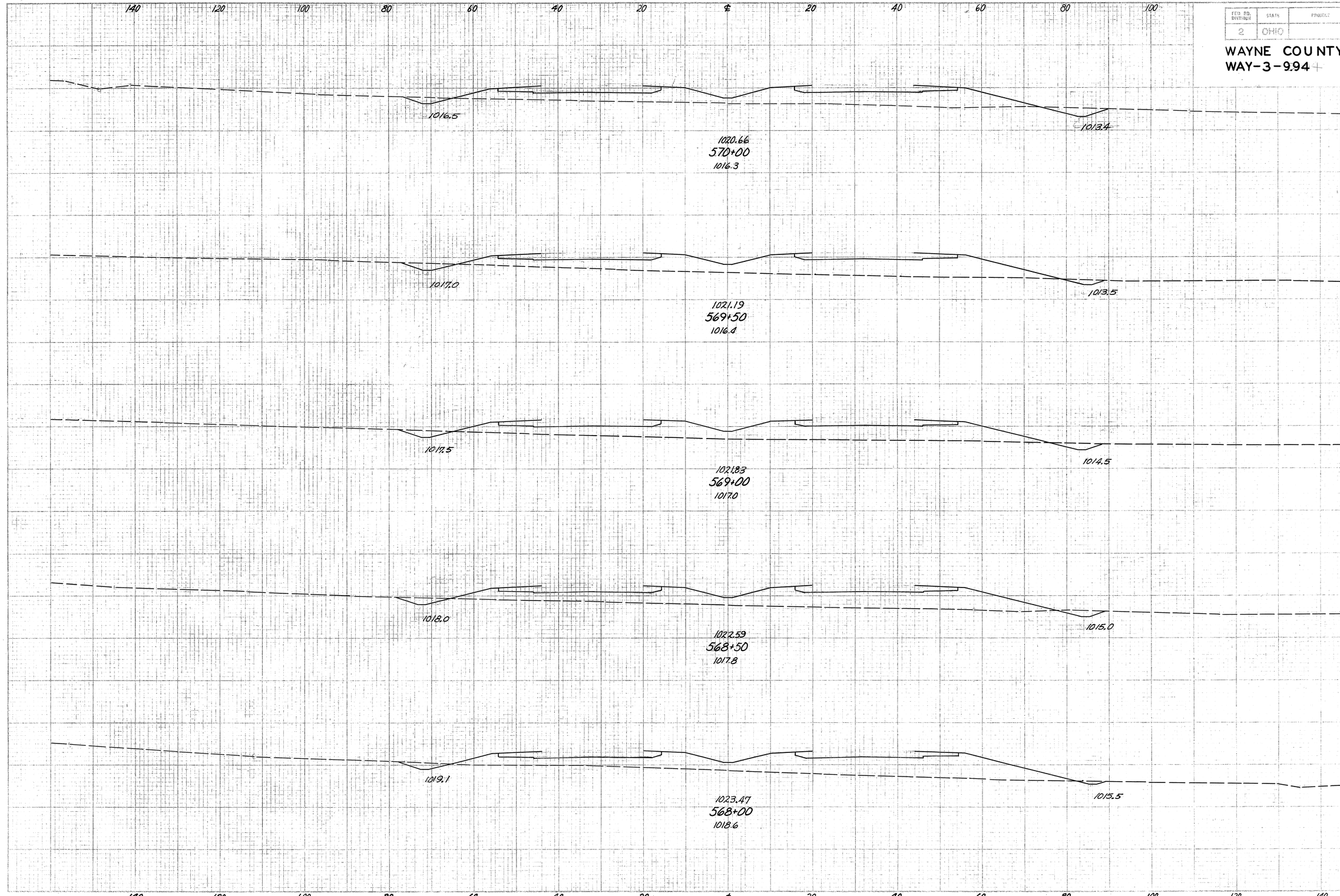
151

WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
29	348		
		46	708
20	416		
		40	756
23	400		
		43	771
23	432		
		34	835
13	470		
		52	871

Sta. 568+00 To Sta. 570+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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151

WAYNE COUNTY
WAY-3-9.94

END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
155	10		
		339	33
211	25		
		295	147
107	133		
		160	199
65	82		
		153	171
100	102		
		145	310
56	233		
		79	538

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

Std.

1019.94
573+00
1019.4

1016.5

4:1 (Normal)

inv. 1012.8

℄ 83'-21"I-2 @ 0.96%

4'x7'x2.5' Dumped Rock

Std RC. 4 Endwall

572+60

Sta. 572+00 S.R. 95

1017.0
No. 2-2-A. C.B.
1016.8 Top Grate
1016.3 Window

1016.8

1014.05 F/L
572+25

℄ 64'-21"I-2 @ 0.07%

1019.77
572+50
1018.7

No 2-2-A C.B.
1016.88 Top Grate
1016.38 Window

1013.60 F/L

1019.74
572+25

1016.85

1019.71
572+00
1018.9

1016.95

1019.77
571+50
1018.9

1015.0

571+35.47
160+36.45 Ranging Profile
1018.73 S.R. 95

571+00
No. 2-2-A C.B.
1013.2 Grate
1012.7 Window

1019.95
571+00
1017.8

℄ 94'-18" I-2 @ 2.06%

1010.70 F/L 18"
1010.45 F/L 21"

℄ 96'-21" I-2 @ 1.00%

Sta. 569+00 S.R. 95

No. 2-2-A. C.B.
1017.40 Top Grate
1016.90 Window

No. 2-2-A. C.B.
1016.45 Top Grate
1015.95 Window

℄ 82'-18" I-2 @ 1.66%

1012.64 F/L

1020.25
570+50
1016.8

570+05

1014.0 F/L

1013.3

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

Sta. 570+50 To Sta. 573+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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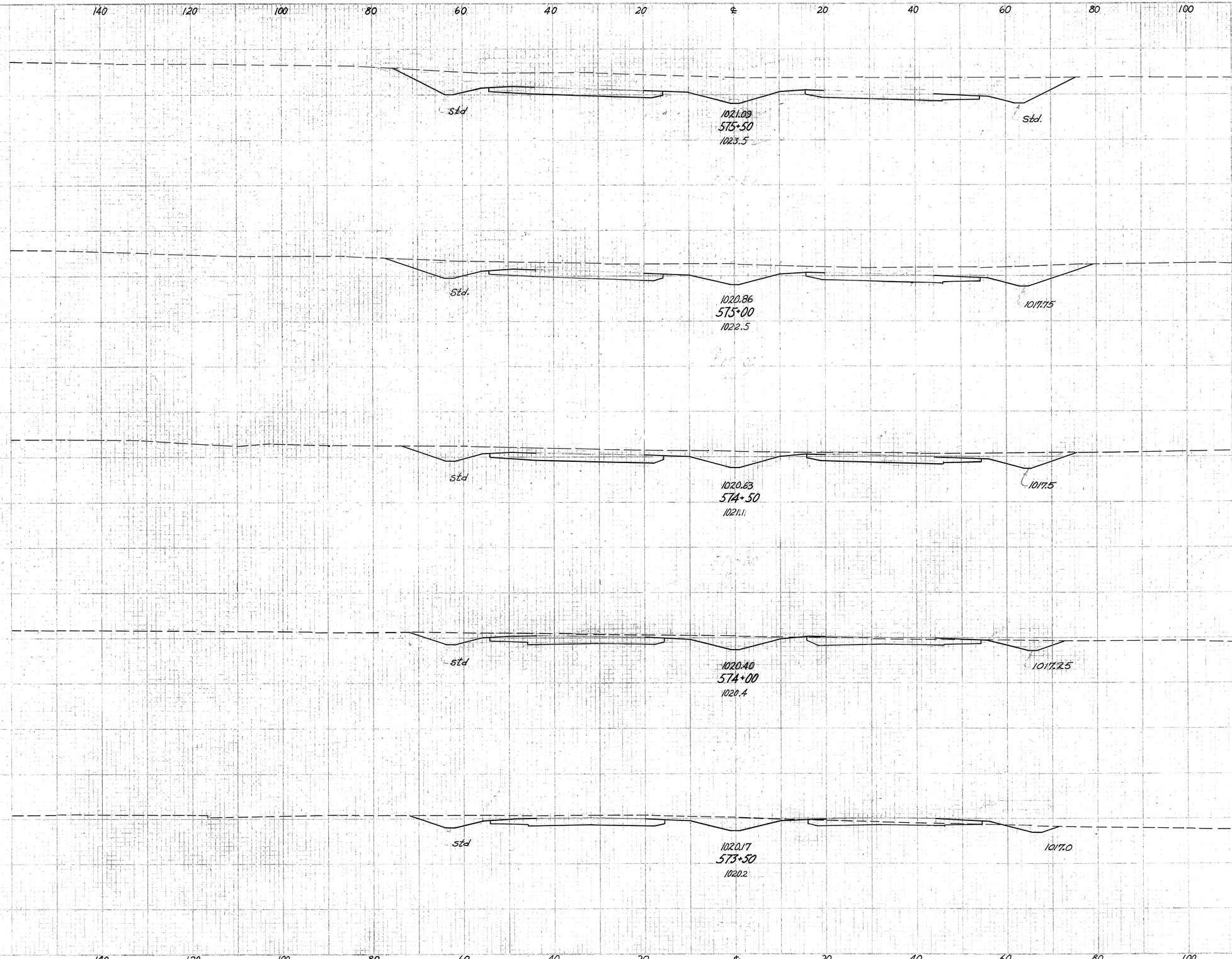
151

WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
645	0		
		1023	0
460	0		
		736	0
335	0		
		541	0
249	0		
		420	4
204	4		
		333	13

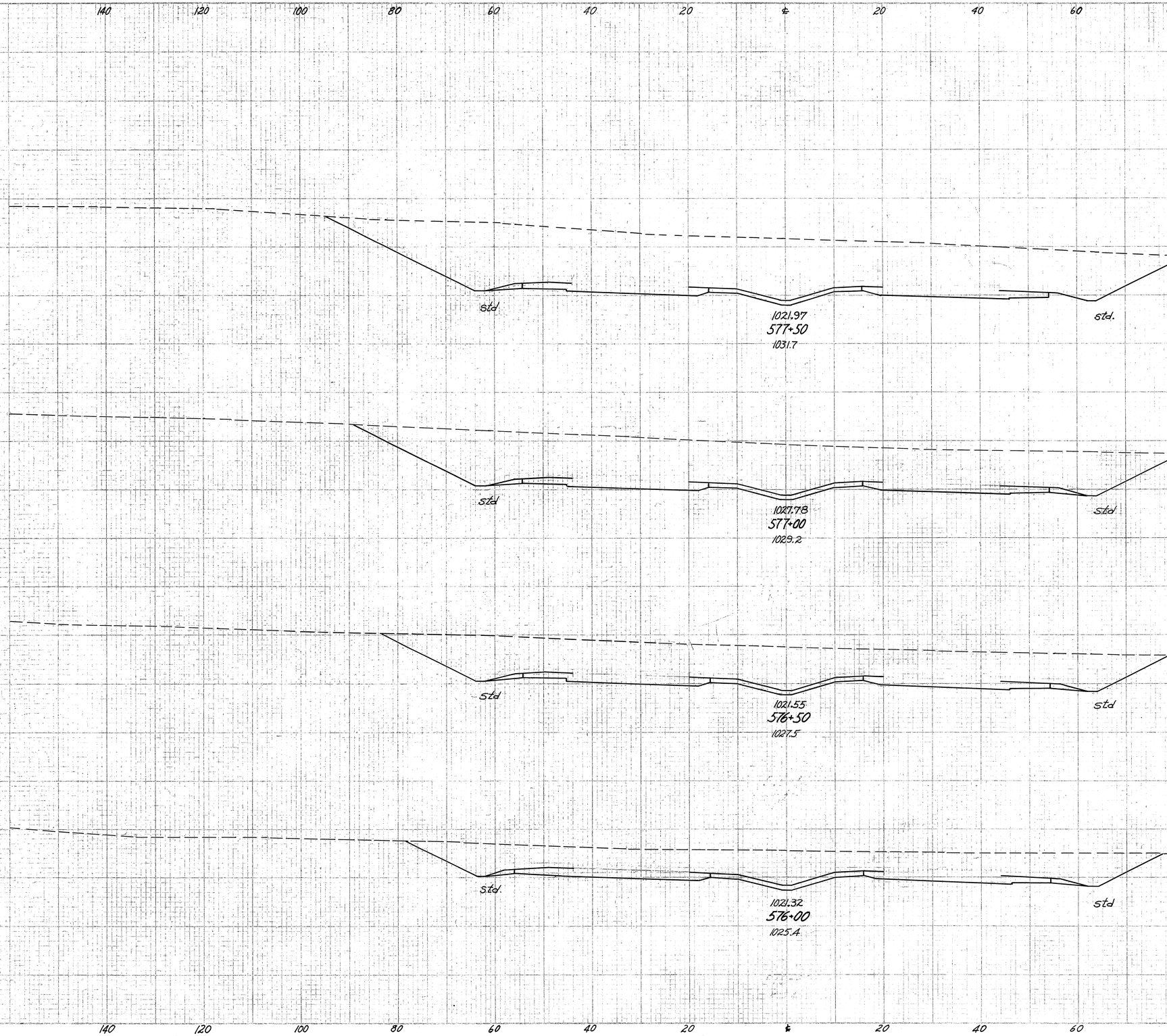
63

Sta. 573+50 To Sta. 575+50

FED. HWY. DIVISION	STATE	PROJECT	
2	OHIO		

66
151

WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
1821	0		
		3040	0
1462	0		
		2443	0
1176	0		
		1909	0
885	0		
		1417	0

Sta. 576+00 To Sta. 577+50

FED. RD. DIV.-NO.	STATE	PROJECT	
2	OHIO		

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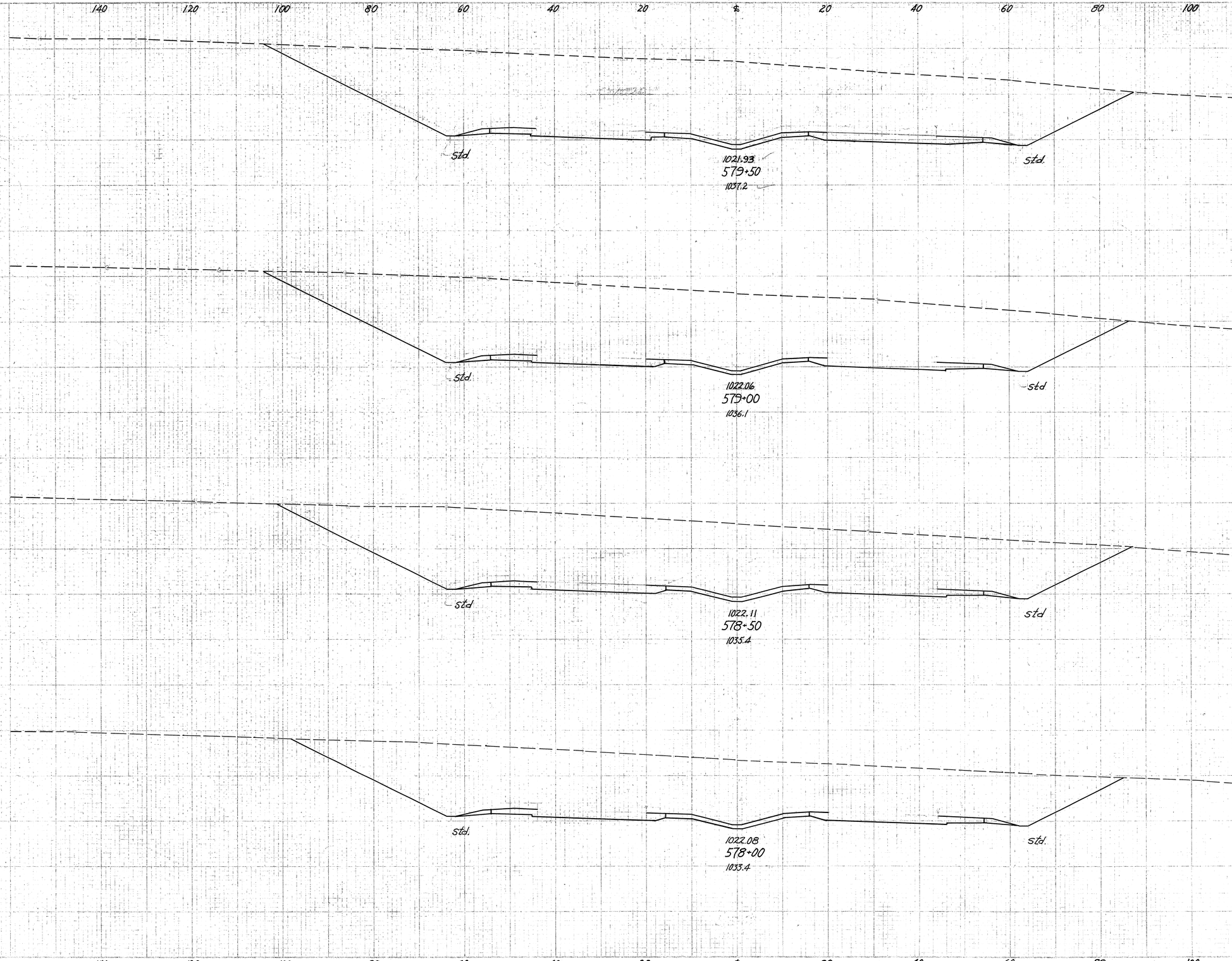
151

WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
2677	0		
		4894	0
2608	0		
		4681	0
2447	0		
		4251	0
2144	0		
		3672	0

Sta. 578+00 To Sta. 579+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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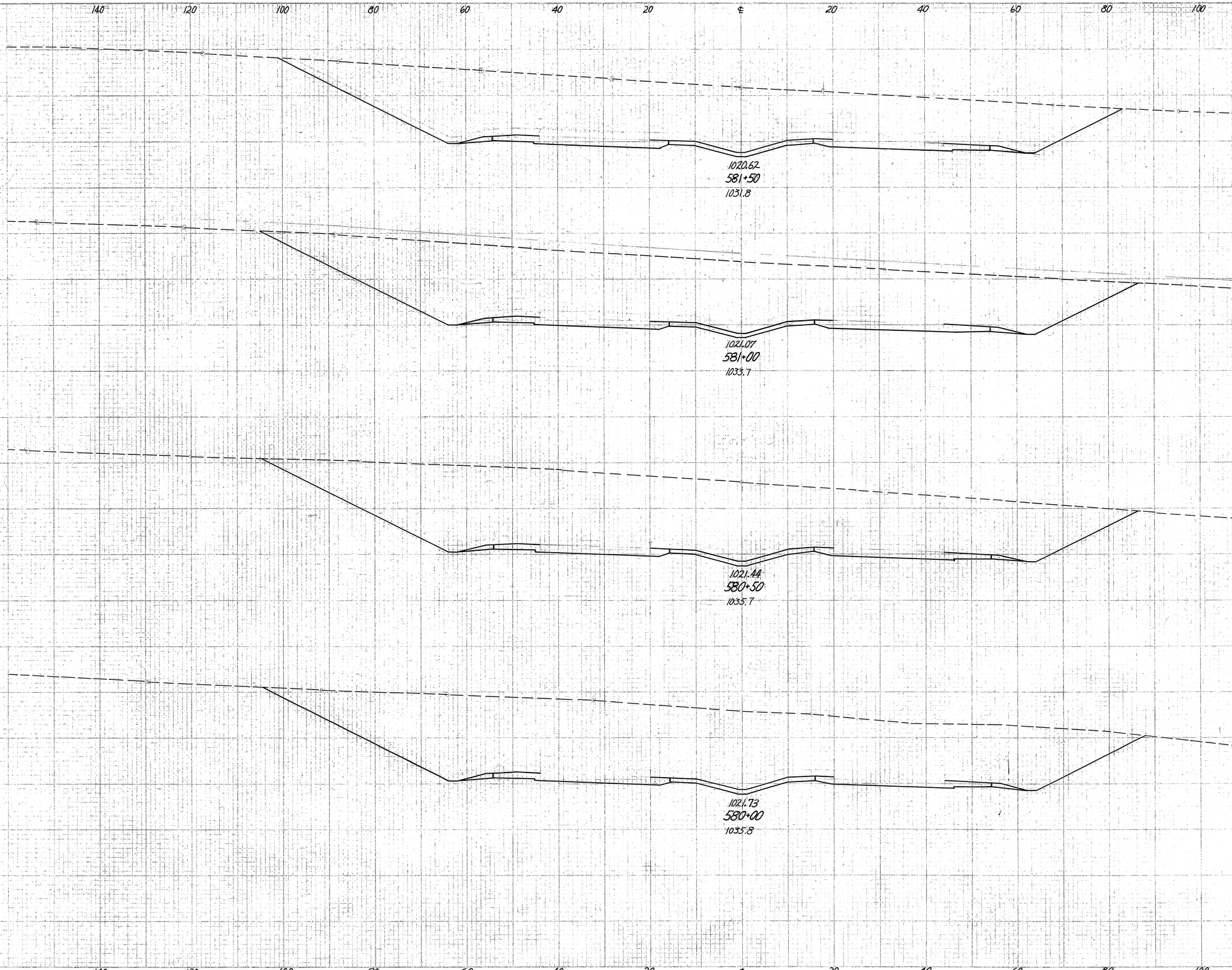
151

WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
2097	0		
		4174	0
2411	0		
		4650	0
2611	0		
		4840	0
2616	0		
		4901	0

Sta. 580+00 To Sta. 581+50

FED. RD. DIST. NO.	STATE	PROJECT	
2	OHIO		

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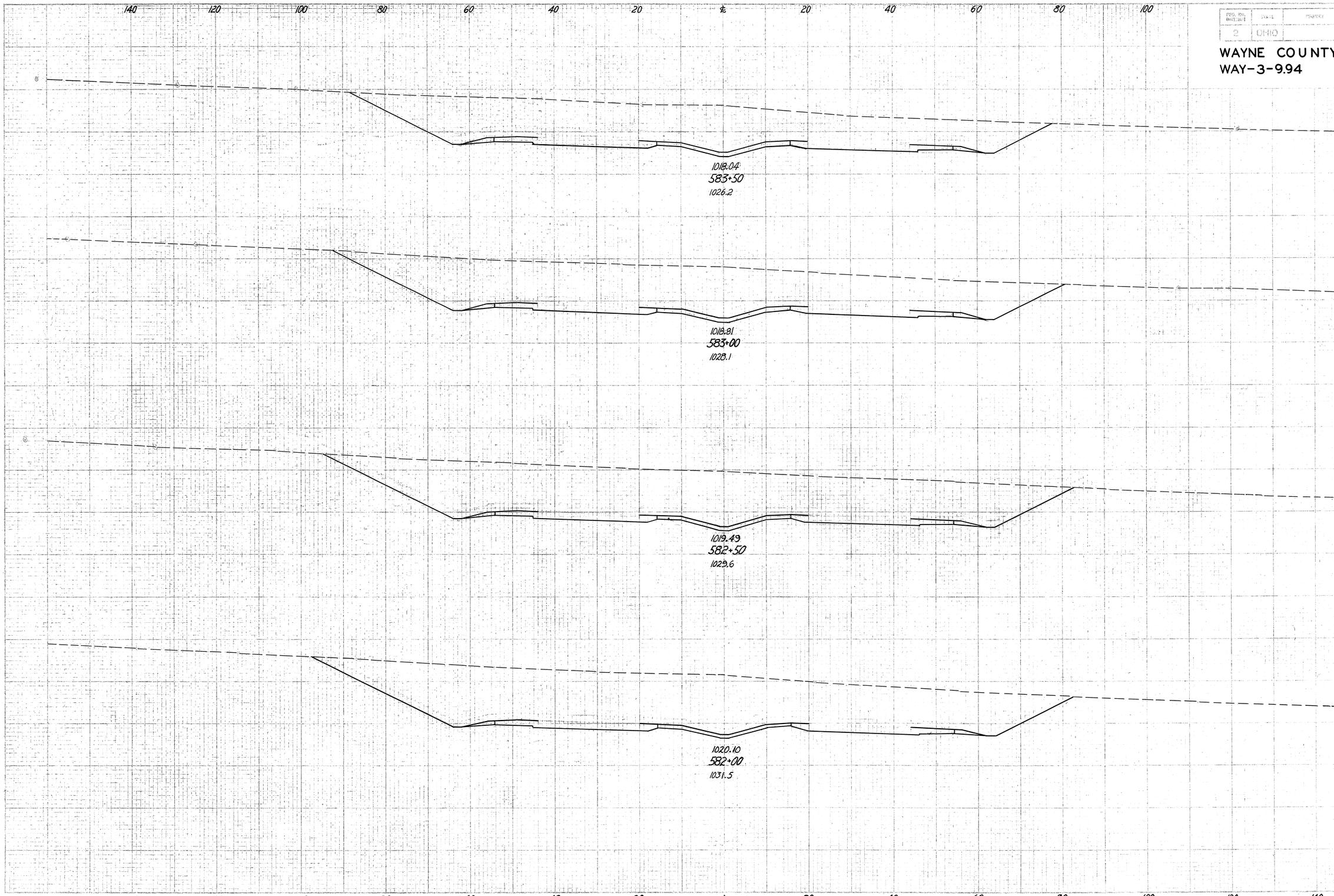
151

WAYNE COUNTY
WAY-3-9.94



End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
1403	0		
		2813	0
1634	0		
		3218	0
1841	0		
		3538	0
1979	0		
		3774	0

Sta. 582+00 To Sta. 583+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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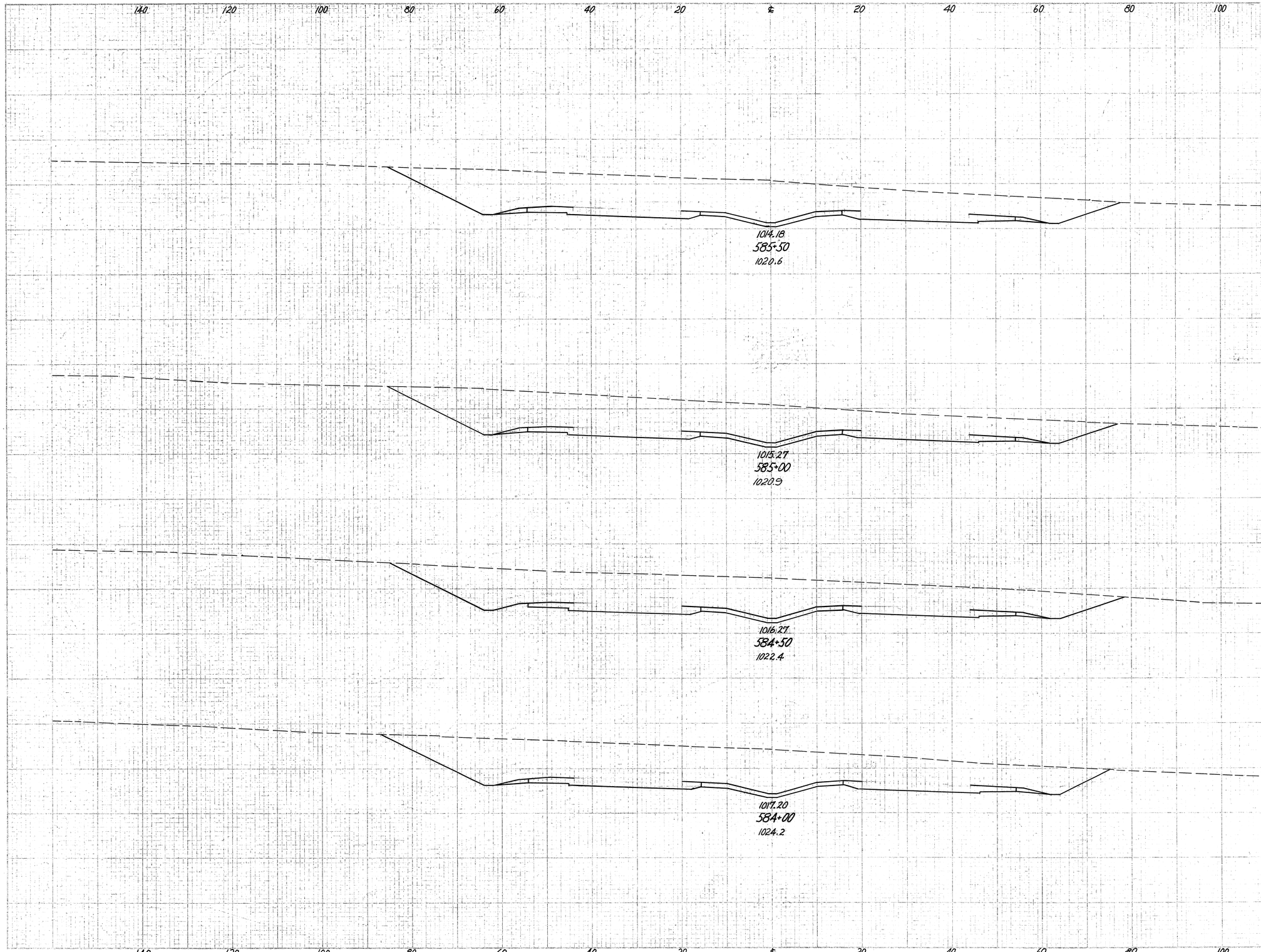
151

WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
1167	0		
		2095	0
1095	0		
		2070	0
1140	0		
		2221	0
1258	0		
		2464	0

Sta. 584+00 To Sta. 585+50

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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151

WAYNE COUNTY
WAY-3-9.94

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
1170	0		
		1986	0
974	0		
		1891	0
1068	0		
		2011	0
1103	0		
		2102	0

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

1009.05
587+50
1015.0

1010.45
587+00
1015.1

1011.77
586+50
1017.6

1013.02
586+00
1018.9

Sta. 586+00 To Sta. 587+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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151

WAYNE COUNTY
WAY-3-9.94

	END AREA		CU. YDS.	
	CUT	FILL	CUT	FILL
	1201	0		
			2052	0
	1015	0		
			1974	0
	1116	0		
			2234	0
	1296	0		
			2284	0

Sta. 588+00 To Sta. 589+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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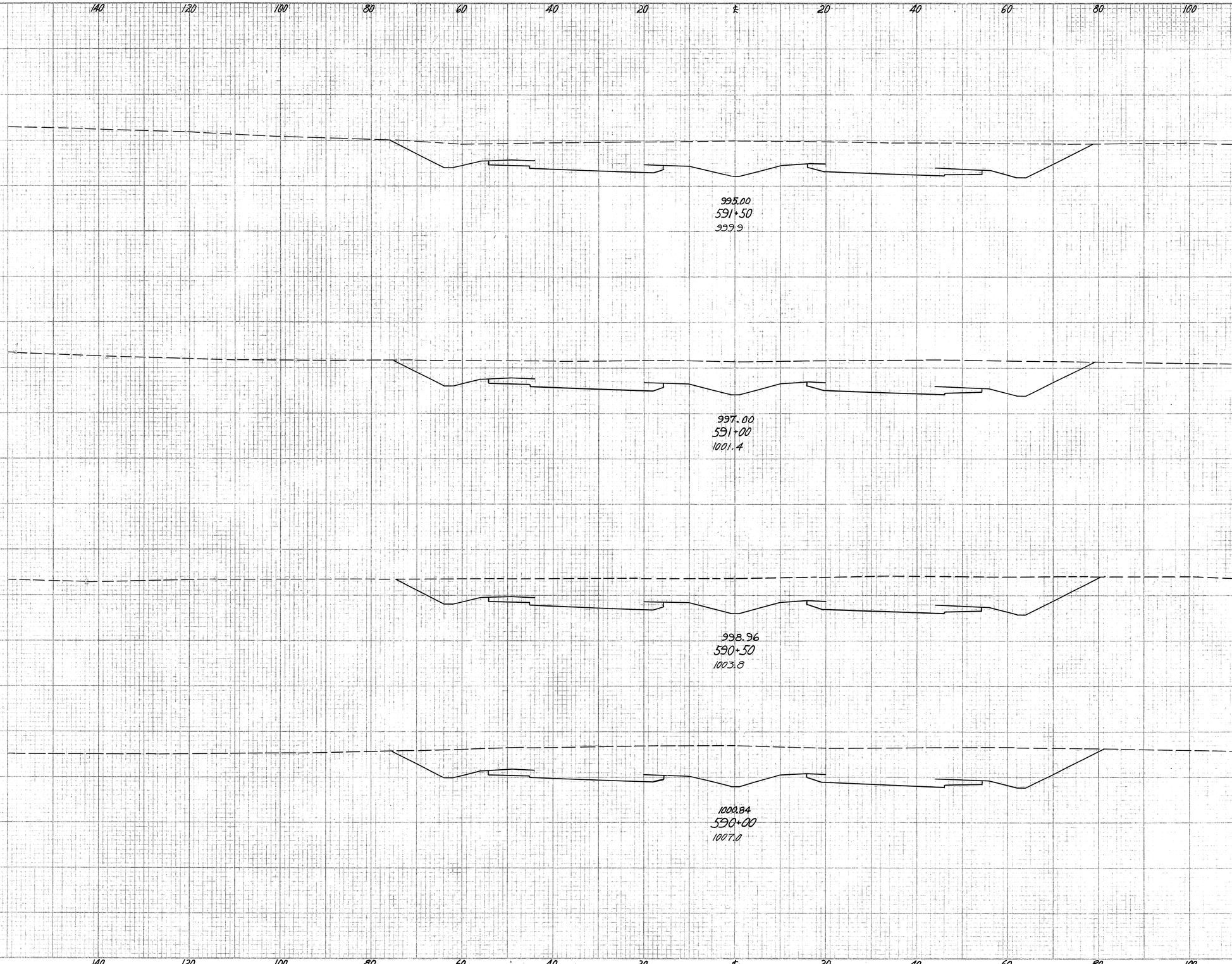
151

WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
924	0		
		1711	0
923	0		
		1755	0
972	0		
		1924	0
1106	0		
		2137	0

Sta. 590+00 To Sta. 591+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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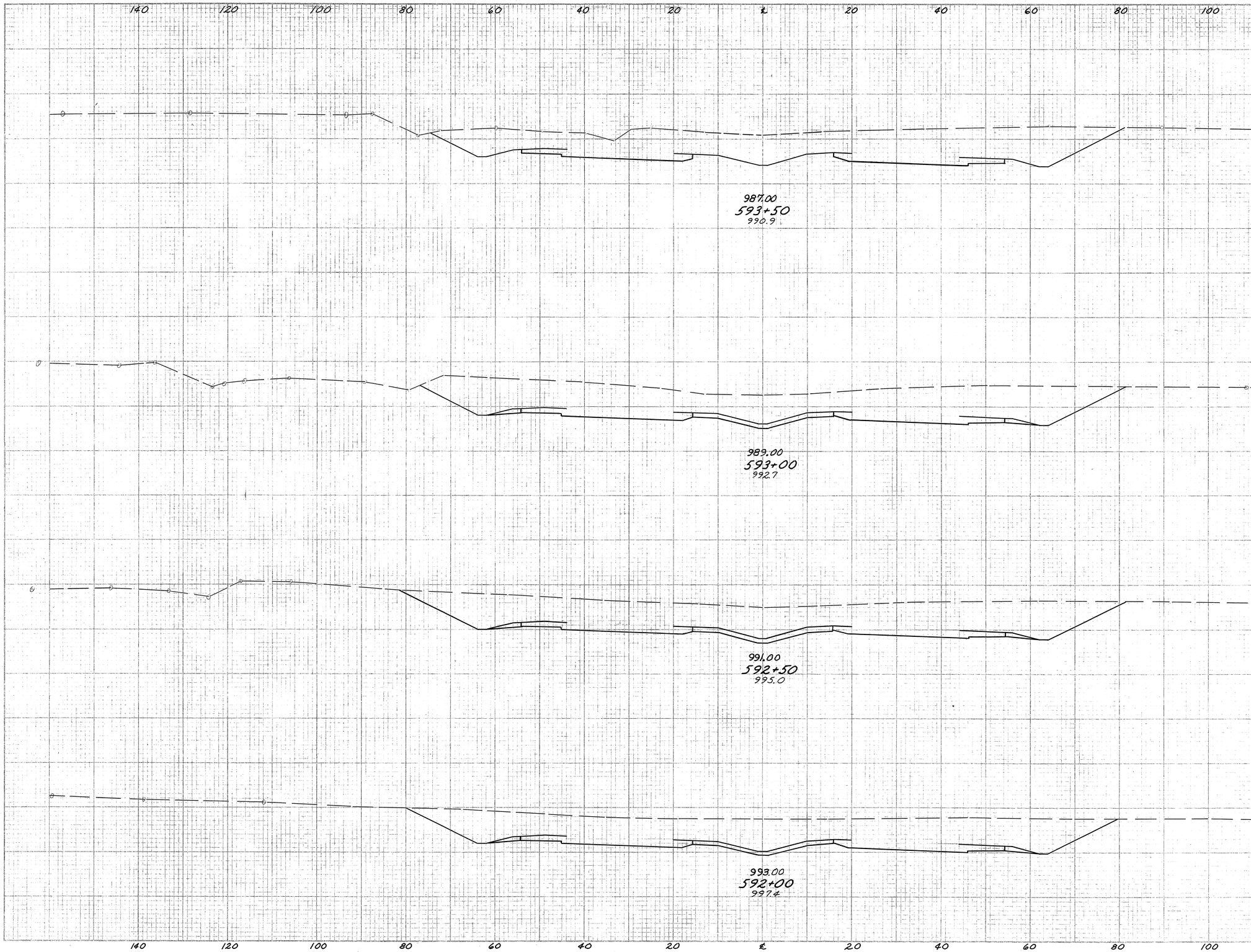
151

WAYNE COUNTY
WAY-3-9.94



END AREA		C.Y. YDS.	
CUT	FILL	CUT	FILL
938	0		
		1861	0
1071	0		
		1976	0
1063	0		
		1895	0
983	0		
		1766	0

Sta. 592+00 To Sta. 593+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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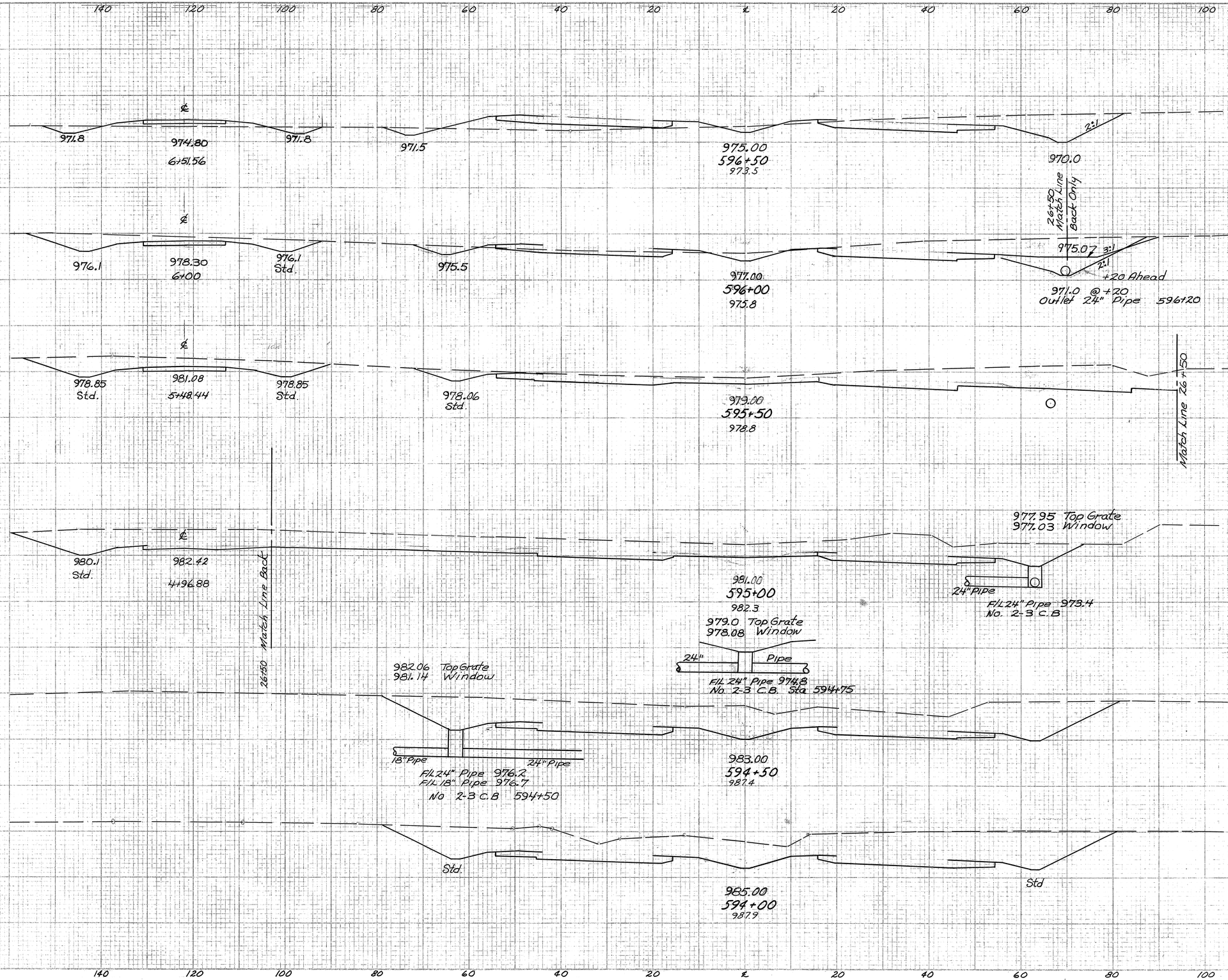
151

WAYNE COUNTY
WAY-3-9.94



	END AREA		CU. YDS.	
	CUT	FILL	CUT	FILL
	246	103		
			401	101
Ahead +20	475	—		
Ahead 596+00	432	6	336	
Back 596+00	372	6		
			945	6
	648	0		
			1438	0
595+00 Ahead	905	0		
595+00 Back	676	0		
			1467	0
	908	0		
			1687	0
	914	0		
			1715	0

Sta. 594+00 To Sta. 596+50

51

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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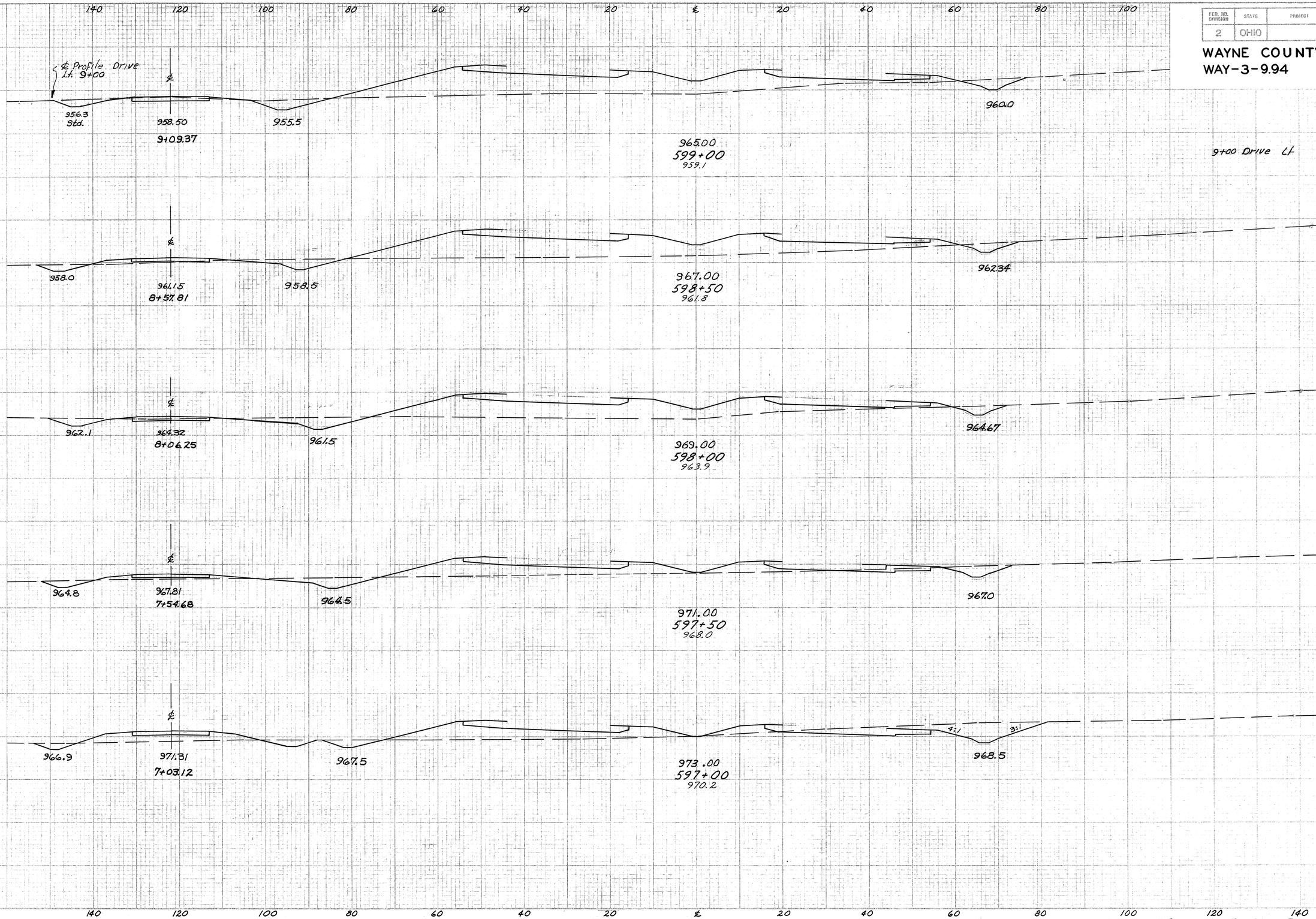
151

WAYNE COUNTY
WAY-3-9.94



	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
	70	481		
9+00 Drive Lt			5	10
			121	905
	60	496		
			131	784
	81	350		
			142	516
	72	207		
			216	413
	161	239		
			377	317

Sta. 597+00 To Sta. 599+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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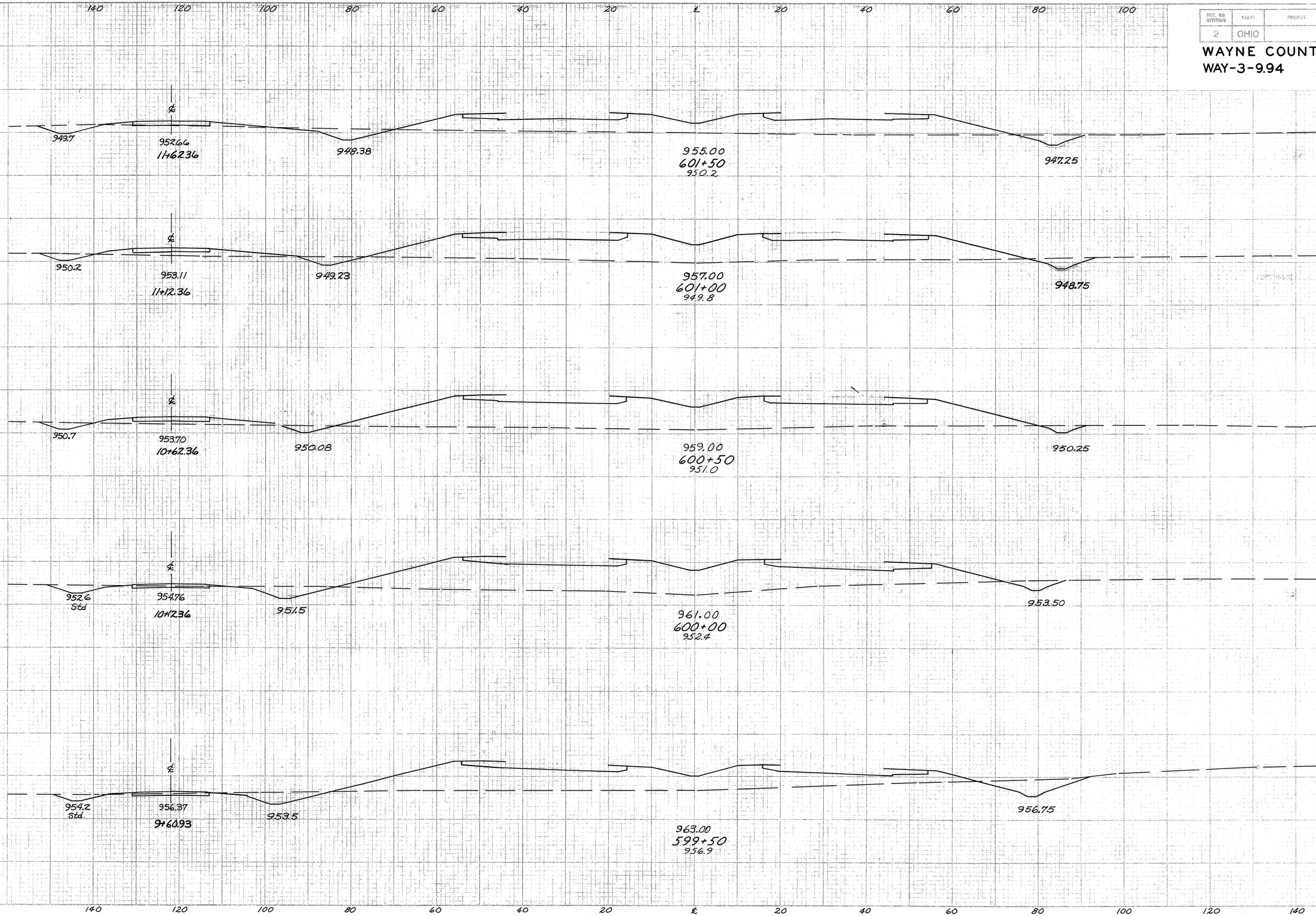
151

WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
71	461		
		109	1099
46	726		
		73	1505
33	899		
		103	1587
78	815		
		172	1295
108	583		
		165	986

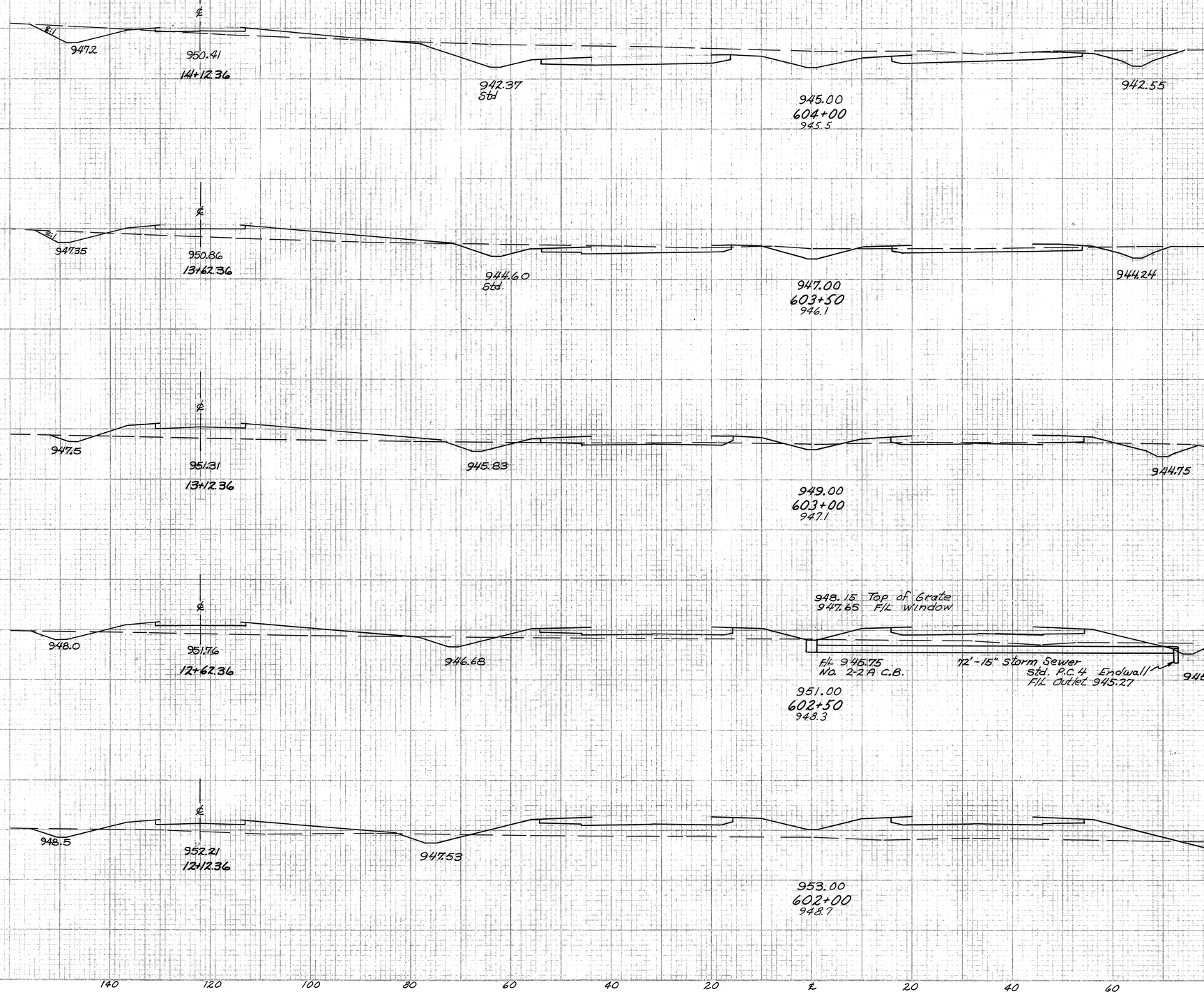
Sta. 599+50 To Sta. 601+50

FED. AID DIVISION	STATE	PROJECT	
2	OHIO		

78
151

WAYNE COUNTY
WAY-3-9.94

140 120 100 80 60 40 20 ℄ 20 40 60 80 100



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
415	32		
		547	138
175	111		
		232	247
75	155		
		118	388
52	264		
		92	682
47	472		
		110	864

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

Sta. 602+00 To Sta. 604+00

54

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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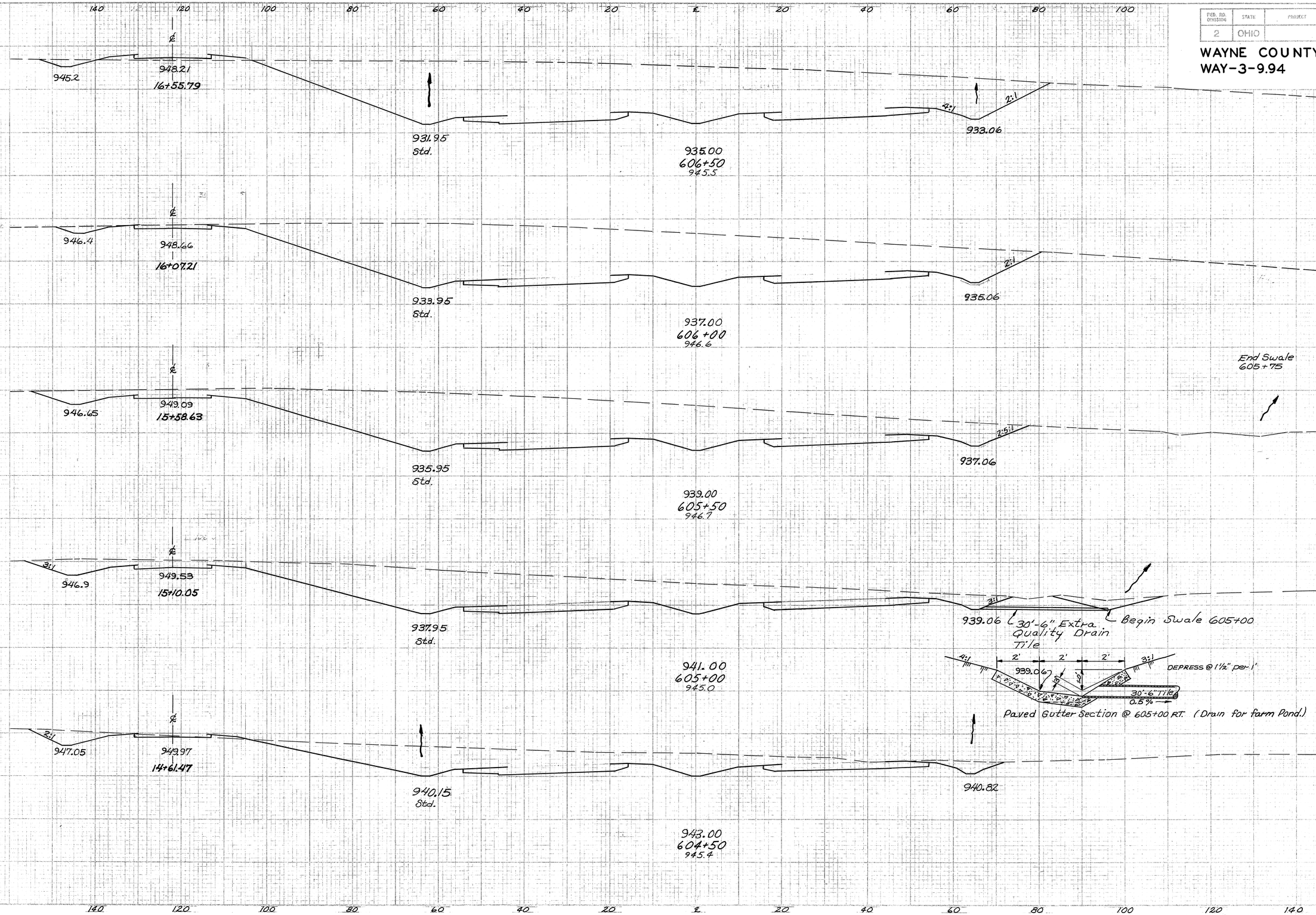
WAYNE COUNTY
WAY-3-9.94



Sta. 604+50 To Sta. 606+50

End Area Cut	End Area Fill	Cu. Yds Cut	Cu. Yds Fill
1932	28		
		3525	26
1874	0		
		3252	0
1638	0		
		2592	0
1161	0		
		1722	4
698	4		
		1032	34

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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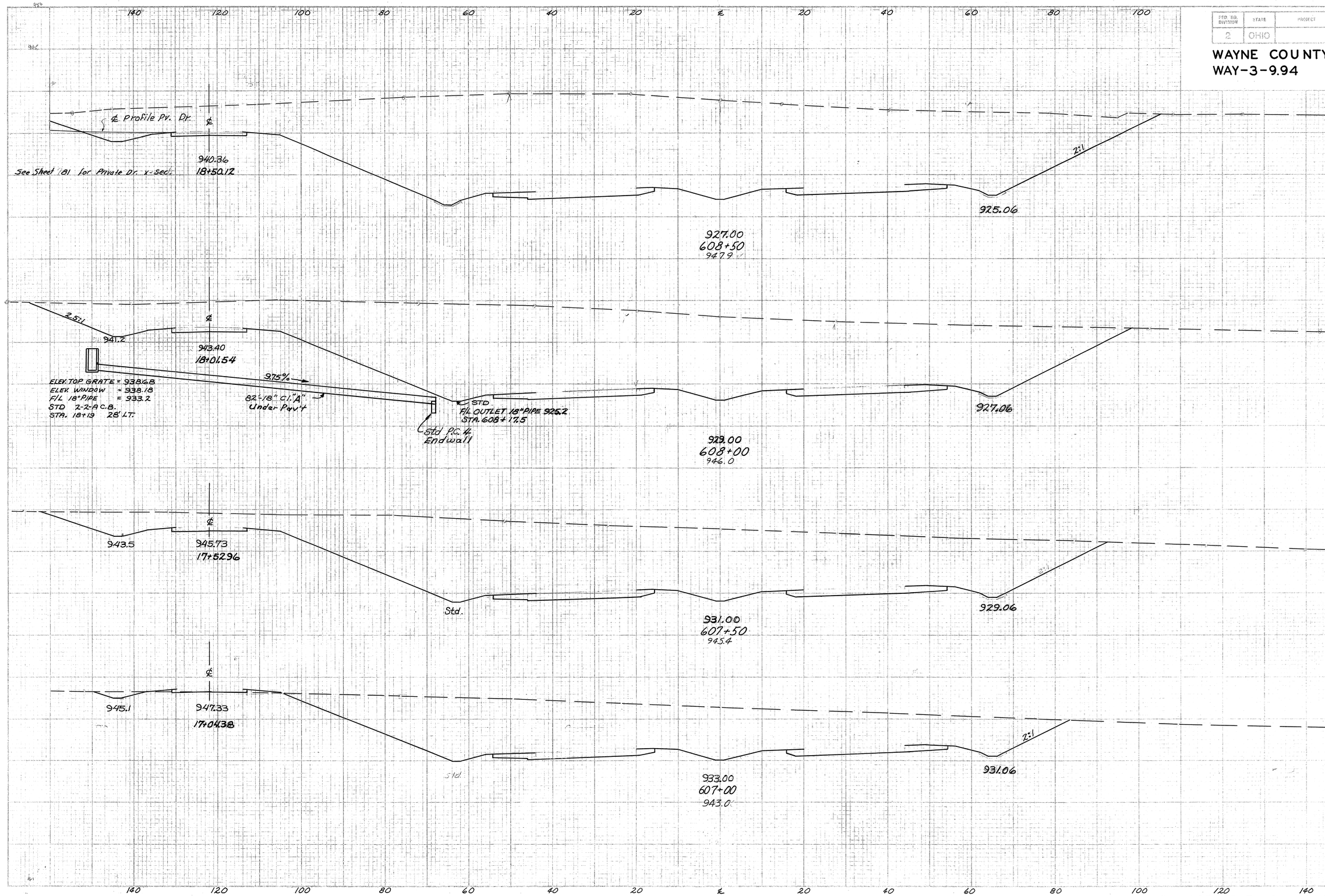
151

WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
4337	0		
		7510	0
3773	0		
		6282	0
3010	0		
		4560	6
1915	6		
		3563	32

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
WAY-3-9.94

End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
3263	71		
		7137	66
4445	0		
		8356	0
4579	0		
		8256	0
			239

930.16
19+95.86

916.95

921.00
610+00
930.2

919.06

Std

933.56
19+47.28

C=21.56

918.95

923.00
609+50
944.5

921.06

946.2
2+21.90
946.2

End. Drive Earthwork Quant.

934.75
Std.

936.96
18+98.70

920.95

925.00
609+00
947.6

923.06

942.75
1+75.65
945.1

2+21.90	0	Cut	147
1+75	173	Cut	52
1+65	110	Cut	40
1+50	34	Cut	Ahead
1+50	0	Cut	Back

Excavation Drive Lt. 608+50

Exca. Line Frontage Rd.
940.84

938.68 El. Grate
938.18 El. Window
933.2 El. 18" Pipe outlet

Sta. 1+50 31' Lt.
2-2-A C.B.

1+50
944.8

Private Drive Sta. 18+50.12 (Sta. 1+50 Begin Drive Earth Work Quantities)

Sta. 609+00 To Sta. 610+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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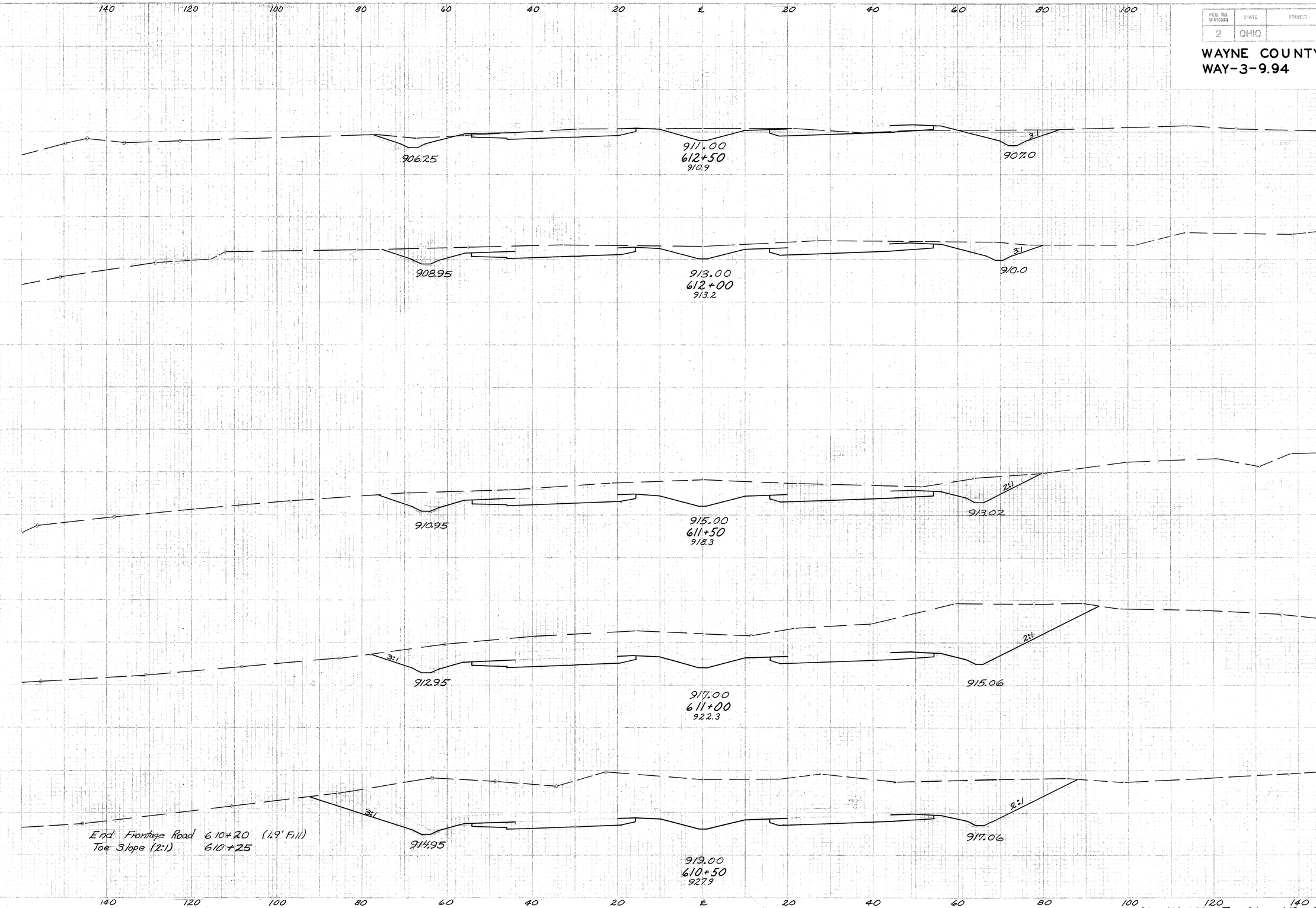
WAYNE COUNTY
WAY-3-9.94



End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
186	7		
		507	7
361	0		
		847	0
554	0		
		1675	0
1255	0		
		2749	0
1714	0		
		4608	66

Sta. 610+50 To Sta. 612+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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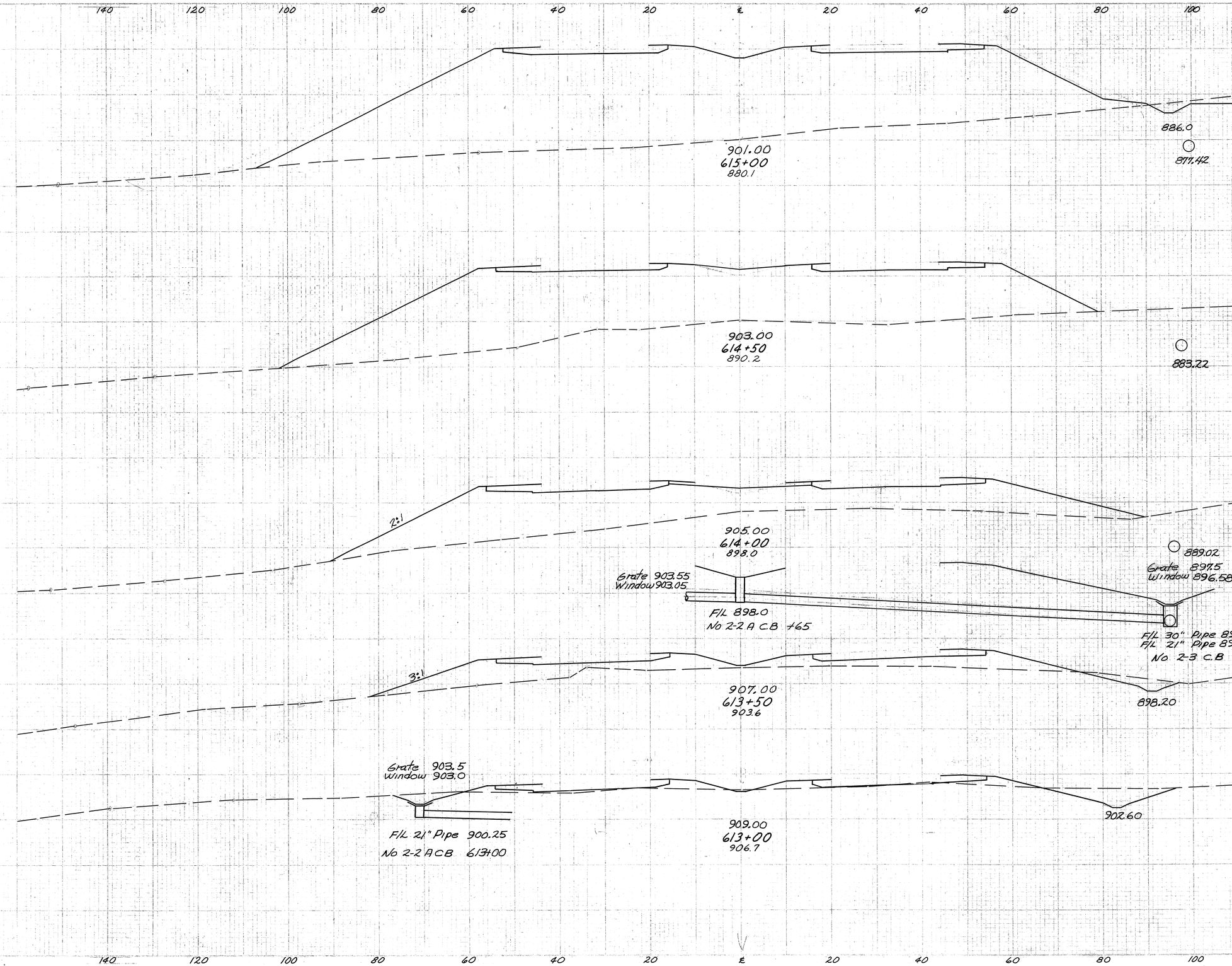
WAYNE COUNTY
WAY-3-9.94



END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
43	2906		
		40	4531
0	1087		
		0	2872
0	1114		
		22	1379
24	375		
		94	411
77	69		
		244	71

Sta. 613+00 To Sta. 615+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
WAY-3-9.94

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
616+70 0	0		
		8	309
21	835		
		34	4016
616+00 15	3502		
		9	2296
615+84 15	4240		
		11	4985
2	3677		
		42	6096

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

893.00
617+00
854.2

850.5

No. 2-3 C.B. Modified 105' Rt.
867.0 Top Grate
865.11 F/L Window

12:1 2:1 2:1

895.00
616+50
862.5

857.0 F/L C.B.

Fill Line for
615+84

897.00
616+00
870.1

12:1 2:1 2:1

873.0

F/L 865.52

Conc. Collar

No. 2-2A C.B. @ 615+66
894.9 Top Grate
894.4 F.L. Window
892.0 F.L. C.B.

57'-12"

890

27'

25° Bends I-5 M-6.4 (c)

Outlet 12" Pipe 876.20

12:1

876.5

876.0

13'

Std. P.C. & Endwall

12:1 2:1 2:1

877.5

871.62

899.00
615+50
874.7

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

Sta. 615+50 To Sta. 617+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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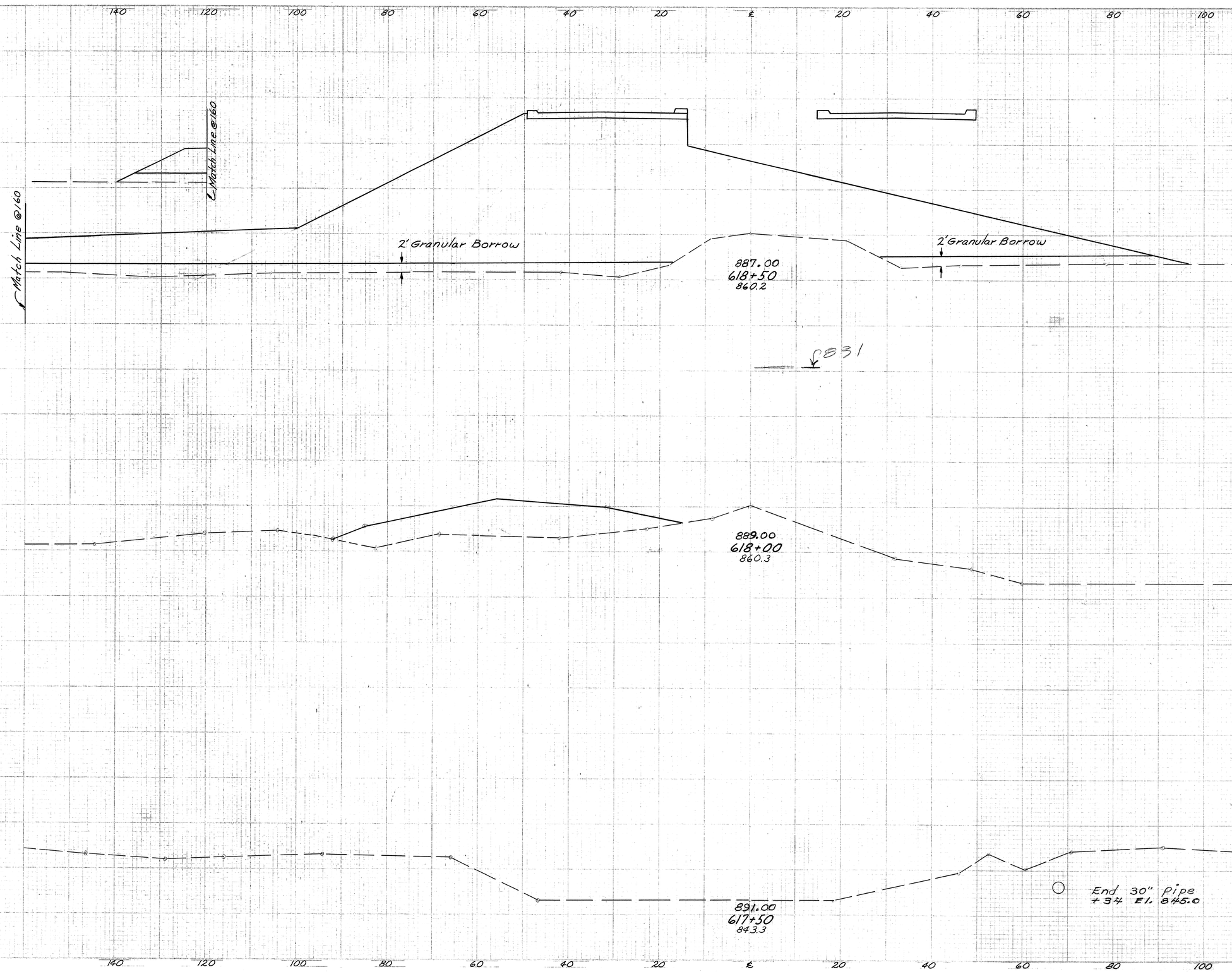
151

WAYNE COUNTY
WAY-3-9.94



E÷4 Granular Borrow		End Area		Cu. Yds.	
Area	Vol.	Cut	Fill	Cut	Fill
459		0	3769		
	425			0	3880
0		0	1421		
	0			0	156
0		0	0		

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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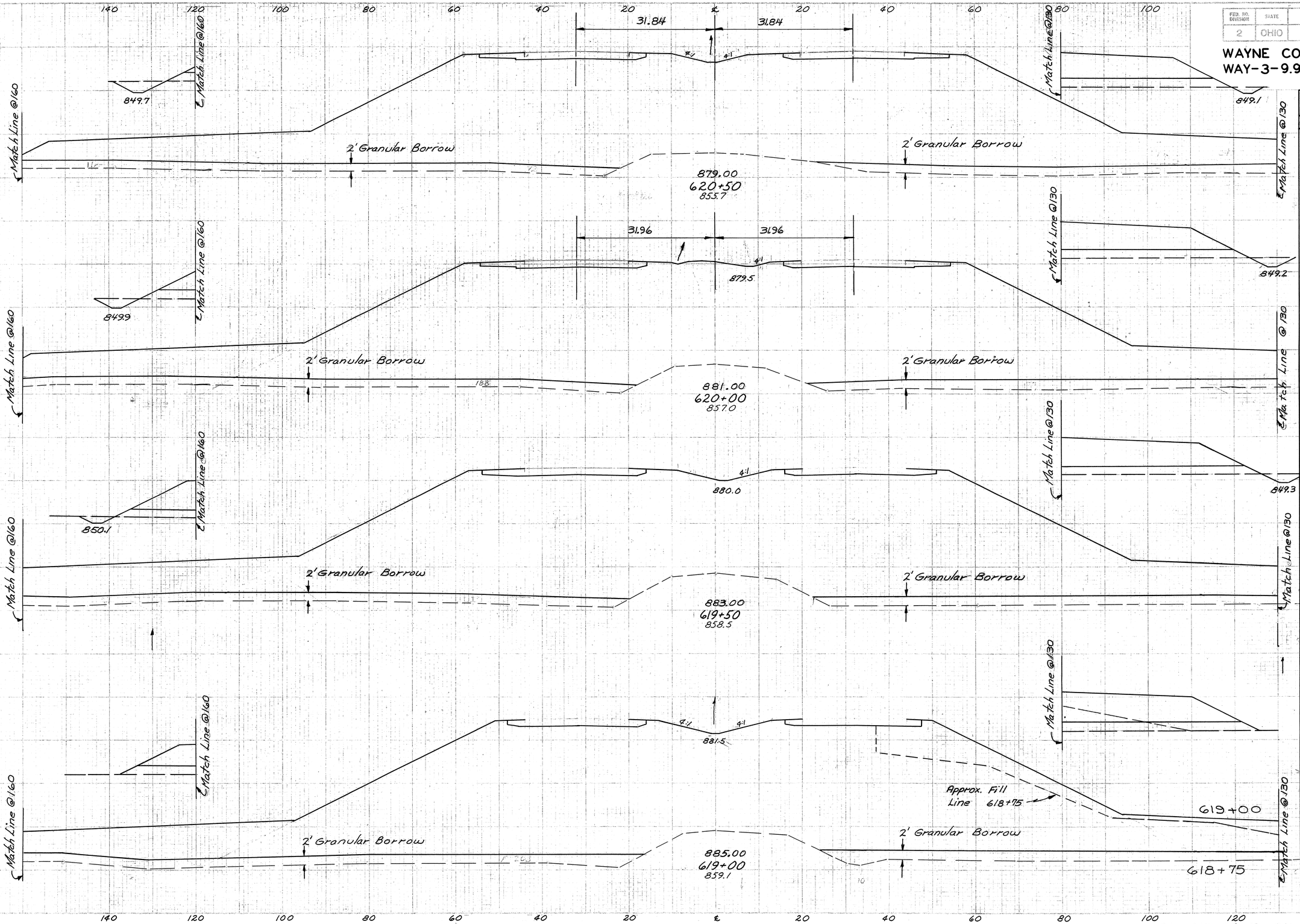
WAYNE COUNTY
WAY-3-9.94



E-4 Granular Borrow Area	E-4 Granular Borrow Vol.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
558		24	4776		
	1074			47	9207
602		26	5167		
	1124			42	9881
612		19	5504		
	1154			18	10,221
634		0	5535		
	570			0	4875
596		0	4994		
	489			0	4057

FED. HWY. DIVISION	STATE	PROJECT	
2	OHIO		

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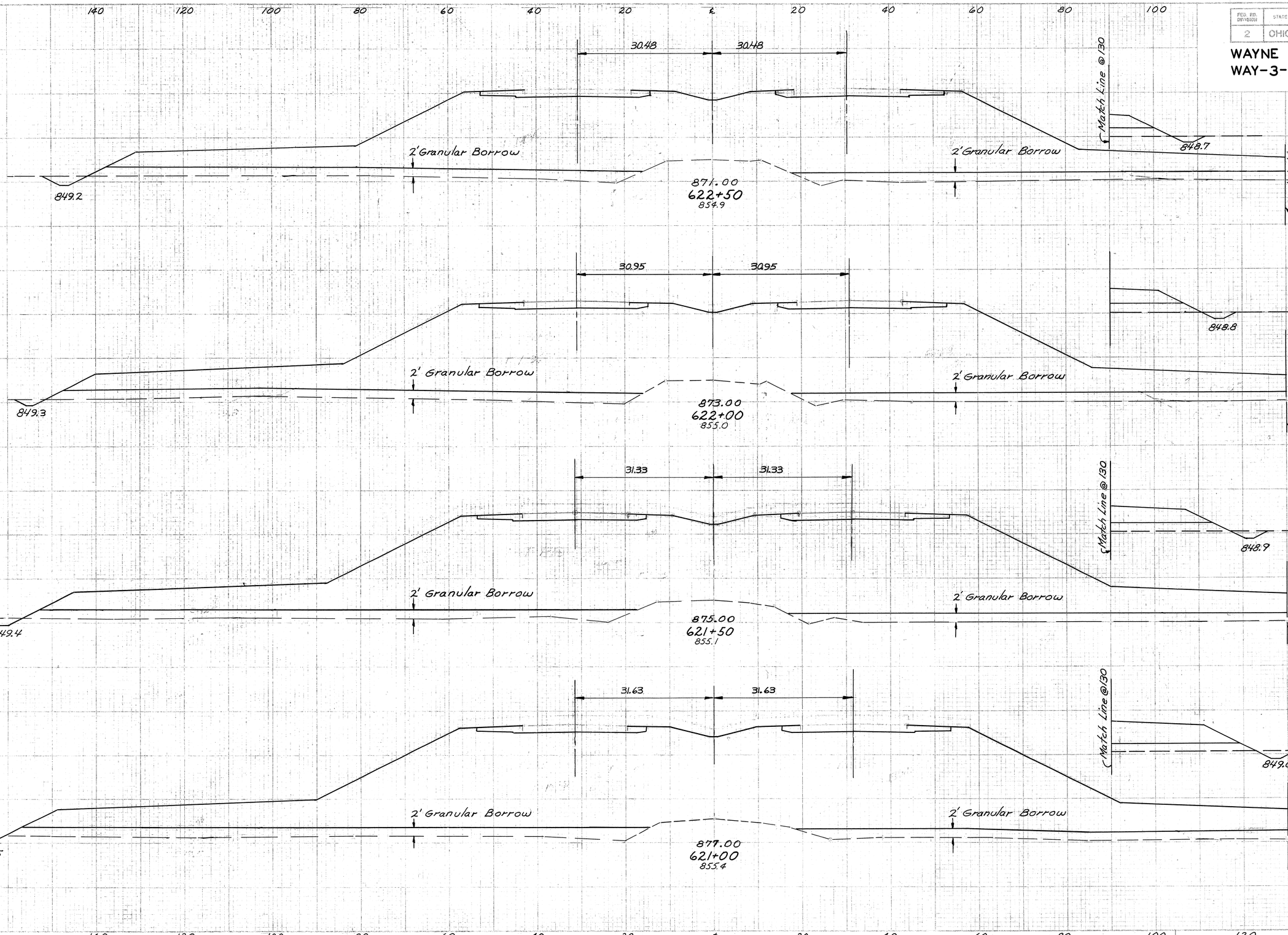
WAYNE COUNTY
WAY-3-9.94



E-4 Granular Borrow Area	E-4 Granular Borrow Vol.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
498		18	2926		
	943			29	5834
520		13	3374		
	987			31	6705
546		20	3867		
	1038			39	7456
575		22	4185		
	1049			43	8126

Sta. 621+00 To Sta. 622+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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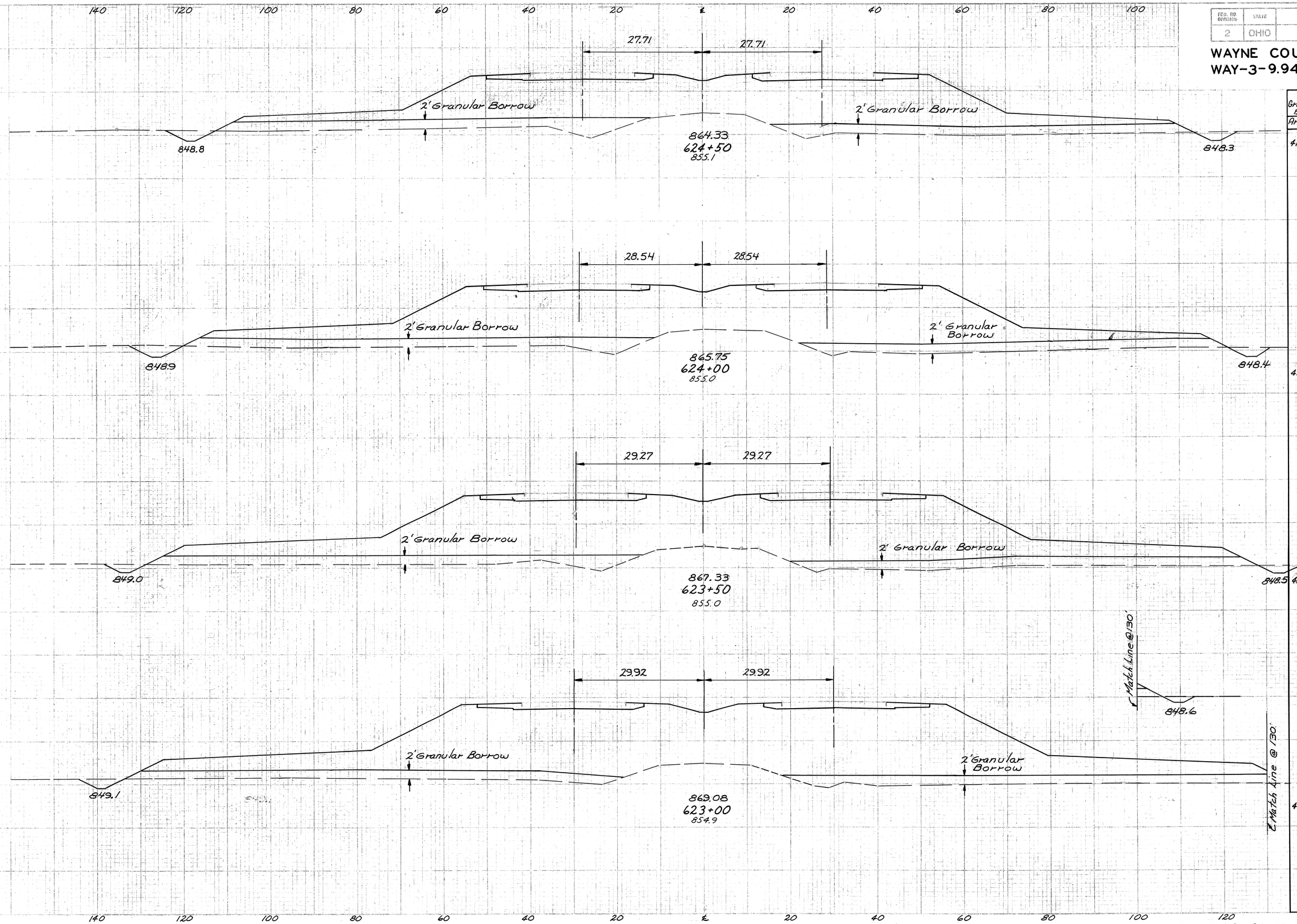
WAYNE COUNTY
WAY-3-9.94



E-4 Granular Borrow		End Area		Cu. Yds.	
Area	Vol.	Cut	Fill	Cut	Fill
412		38	1415		
	772			67	2918
421		34	1736		
	795			52	3578
437		22	2125		
	826			42	4163
455		23	2471		
	883			38	4997

Sta. 623+00 To Sta. 624+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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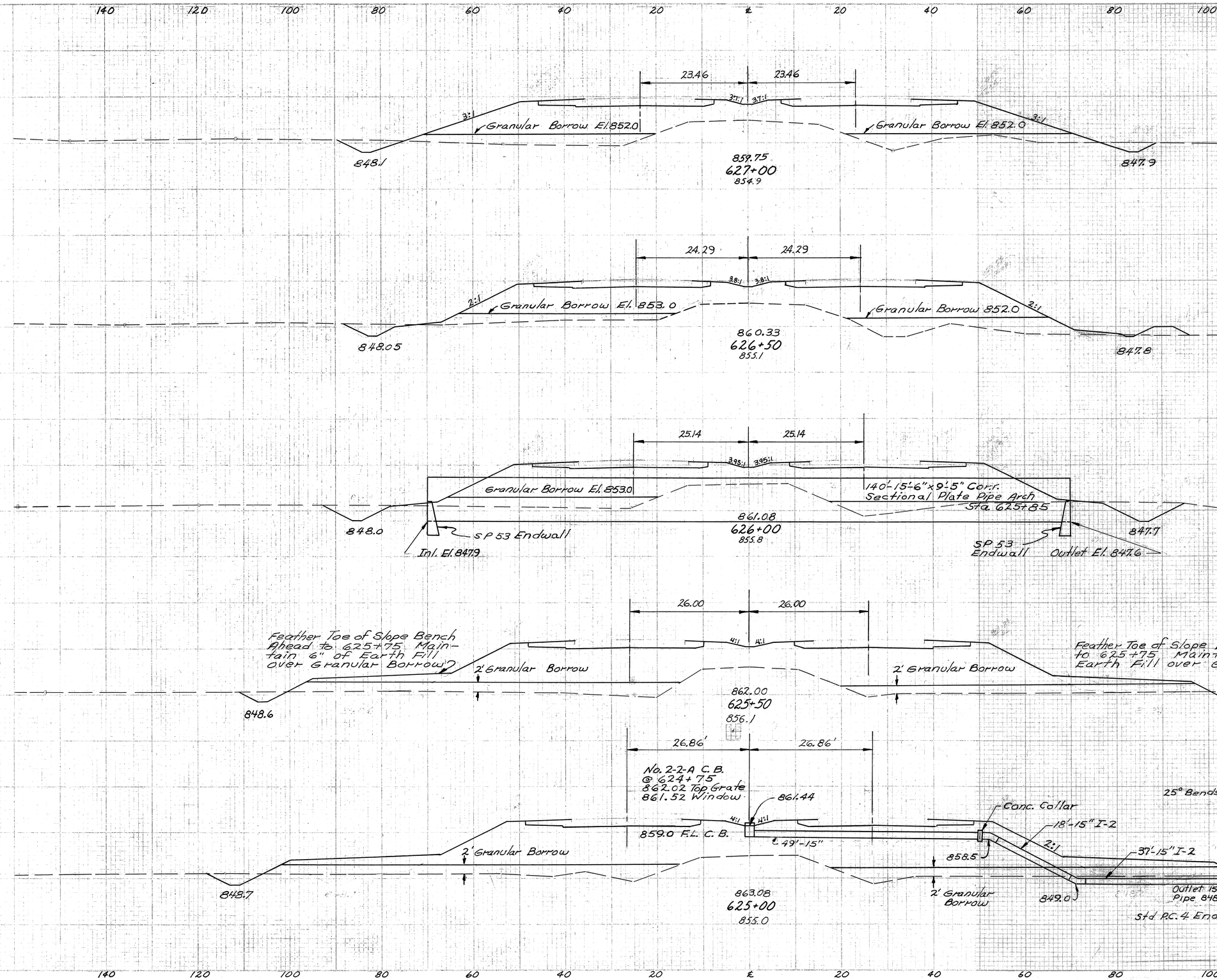
WAYNE COUNTY
WAY-3-9.94



E-4 Granular Borrow		END AREA		CU. YARDS	
Area	Vol.	CUT	FILL	CUT	FILL
201		40	696		
	411			58	1291
243		22	676		
	361			85	1371
147		70	804		
	153			56	766
184		50	850		
	239			37	840
332		30	964		
	647			54	1488
366		28	1183		
	721			61	2406

Sta. 625+00 to Sta. 627+00

FED. AID DIVISION	STATE	PROJECT		
2	OHIO			

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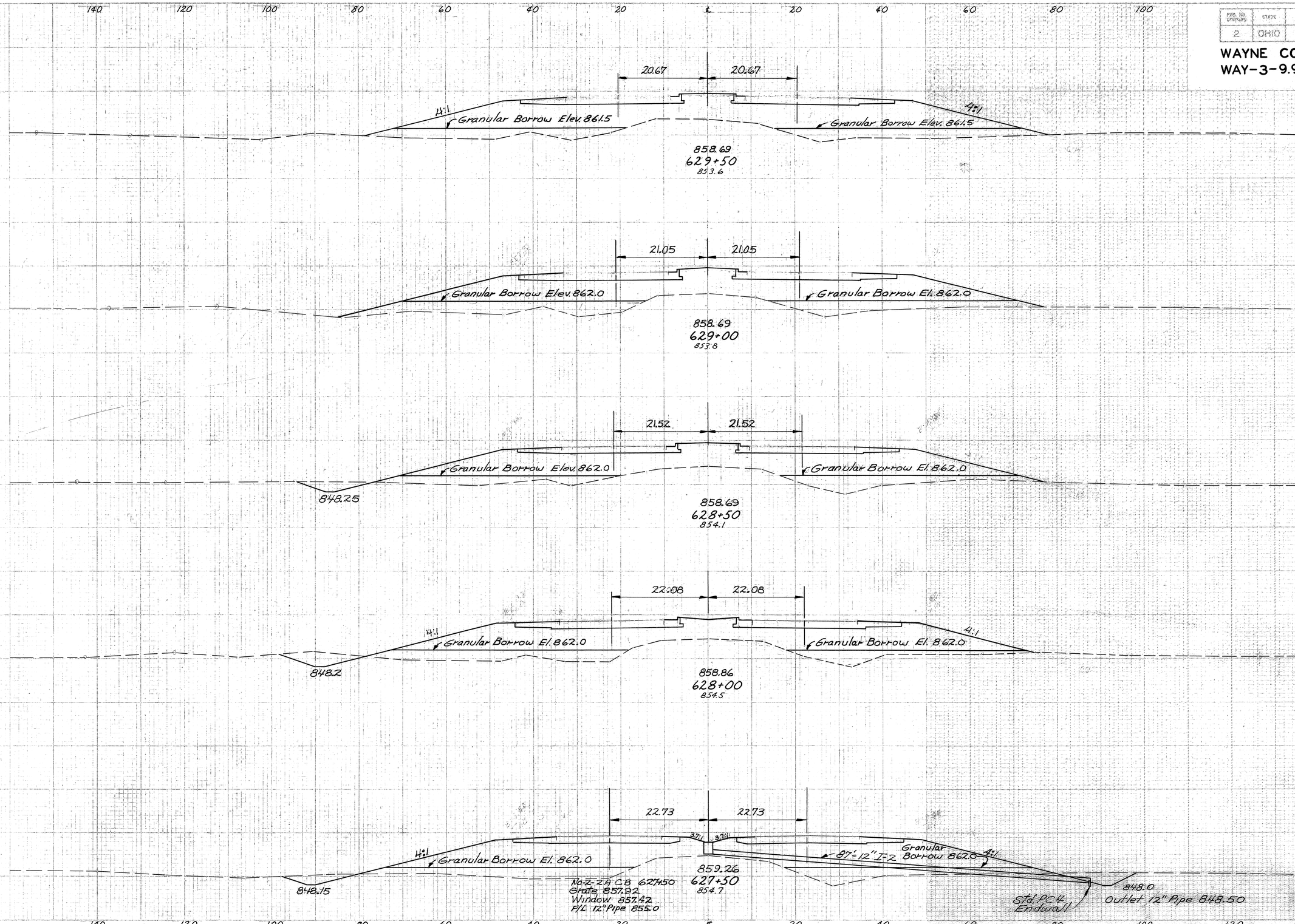
WAYNE COUNTY
WAY-3-9.94



E-4 Granular Borrow Area	E-4 Granular Borrow Vol.	END AREA CUT	END AREA FILL	CU. YARDS CUT	CU. YARDS FILL
212		0	689		
	428			0	1225
250		0	634		
	429			20	1150
213		21	608		
	395			53	1127
213		36	609		
	414			83	1186
234		52	671		
	403			85	1267

Sta. 627+50 To Sta. 629+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
WAY-3-9.94

End Work 632+85.43

Granular Borrow El 851.0 — Granular Borrow El 851.0

632+42
853.3

End Grading Sta. 632+50

Sta. 632+42

20.00 — 20.00

Sta. 632+35.43

End Pavement 631+85.43

Granular Borrow 851.0 — Granular Borrow El. 851.0

858.69
631+50
853.6

20.04 — 20.04

Granular Borrow El. 851.0 — Granular Borrow El. 851.0

858.69
631+00
853.6

20.16 — 20.16

Granular Borrow El. 851.0 — Granular Borrow El. 851.0

858.69
630+50
853.4

20.37 — 20.37

Granular Borrow El. 852.0 — Granular Borrow 851.5

109

858.69
630+00
853.5

E-4 Granular Borrow Area	E-4 Granular Borrow Vol.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
0		0	0		
	21			0	29
142		0	193		
	37			0	99
192		0	695		
	604			0	2223
192		0	717		
	374			0	1315
212		0	703		
	369			0	1314
186		0	716		
	386			0	1233
231		0	615		
	410			0	1208

Sta. 630+00 To Sta. 632+00

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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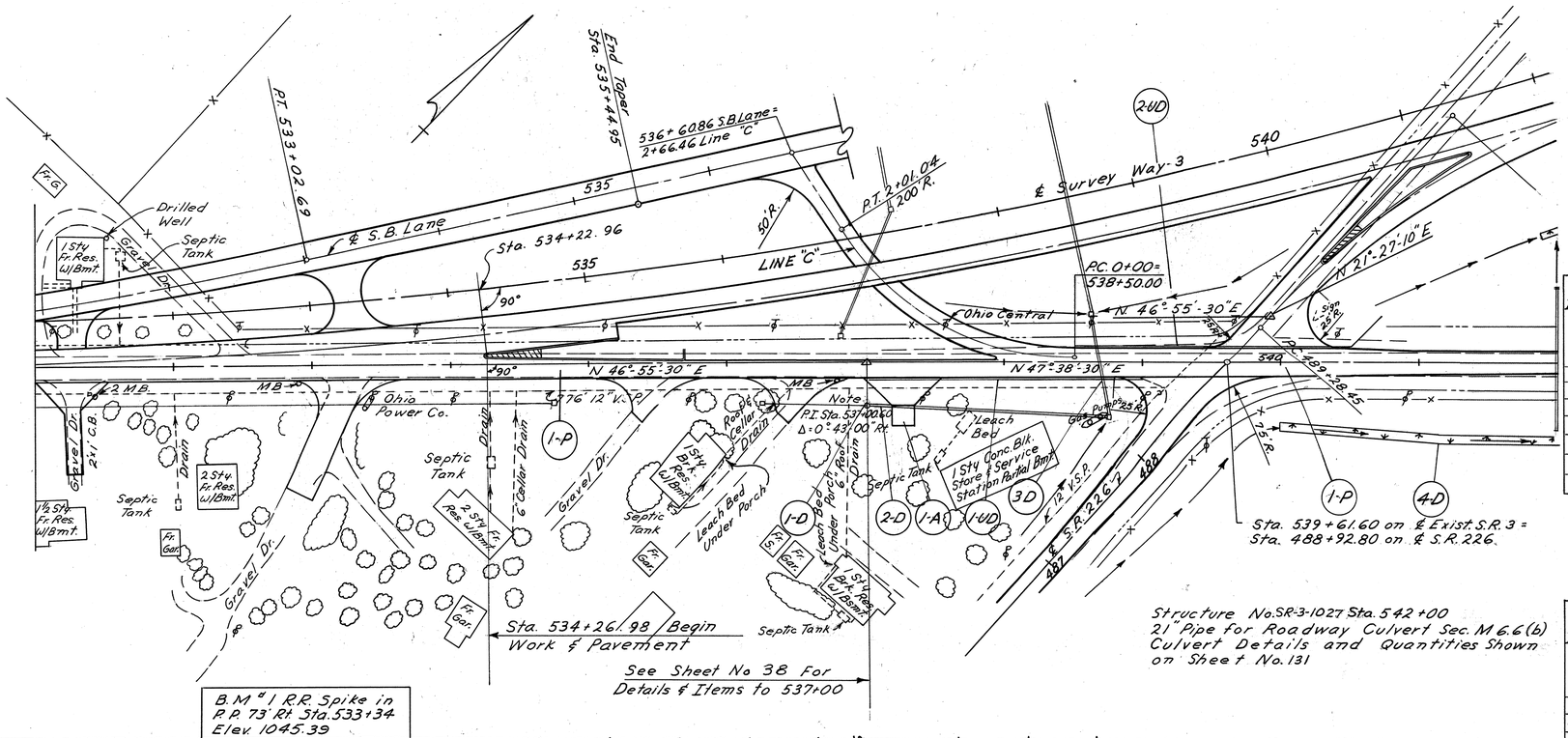
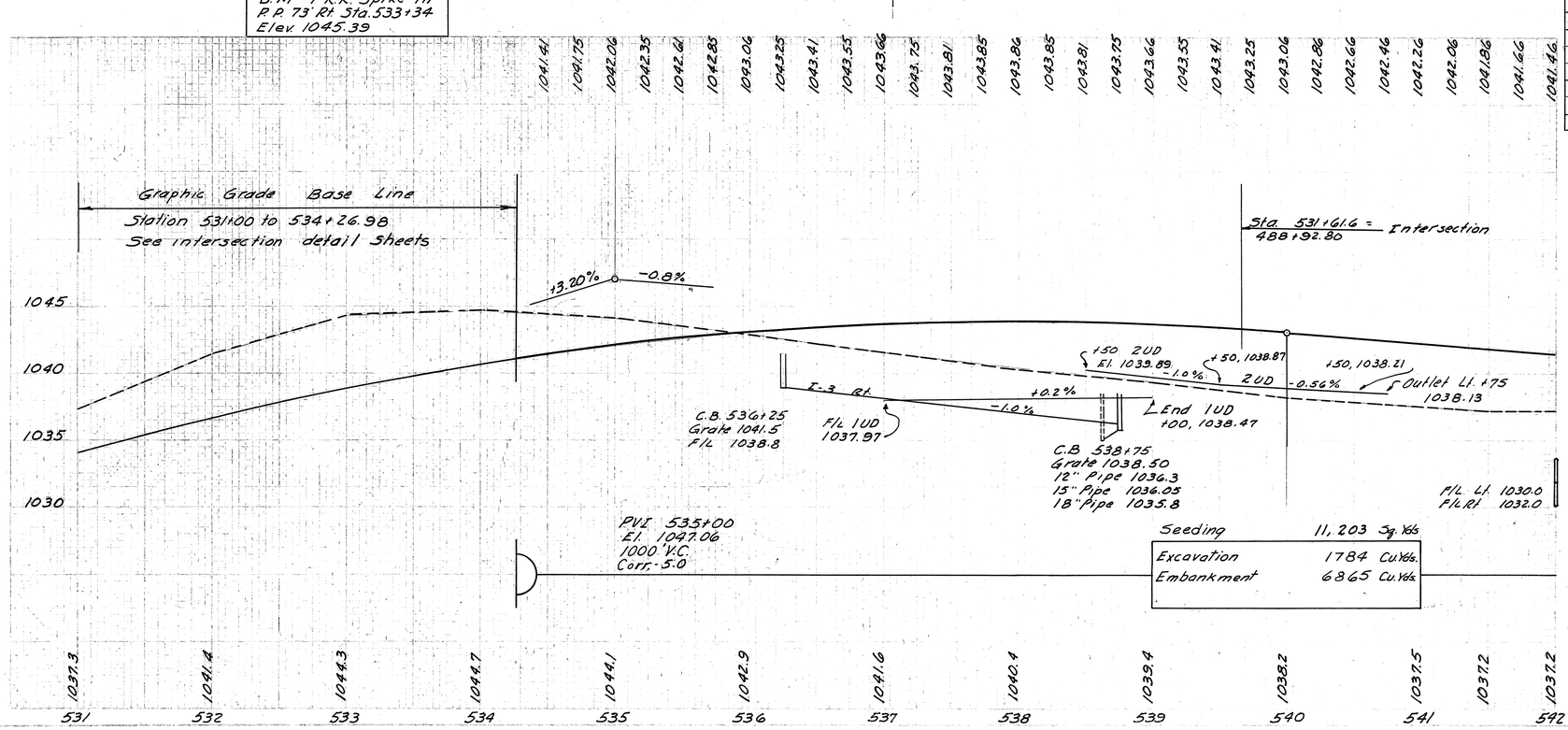
WAYNE COUNTY
WAY-3-9.94



Item No.	Station From	Station To	Side	L-10 Sodding Width	L-10 Sodding Lin. Ft.	L-10 Sodding Sq. Yds.	I-8 Catch Basin No. 7	I-8 Catch Basin 2-2B	I-2 Class B Storm Sewer Under Pvt. Lin. Ft. 18"	I-5 Pipe Specials 12" Tee Each	I-3 Pipe for Roadway Drainage Lin. Ft. 12"
1-D	537+00		Rt.				1				3
2-D	537+00	538+75	Rt.					1		1	169
3-D	538+62	538+75							80		
4-D	540+00	542+00	Rt.	6	134						
		Total			134		1	1	80	1	172

Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain Deep Lin. Ft.	I-4 6" Pipe Underdrain Shallow Lin. Ft.	I-4 6" Pipe Outlet for Underdrain Lin. Ft.	I-5 Pipe Specials 6" 45° Bend Lin. Ft.	Length	Width	B-19 Crushed Aggregate Base Course Cu. Yds. 7"	T-35 Asphaltic Concrete Surface Course Cu. Yds. 2"
1-UD	537+00	539+00		200							
2-UD	538+50	540+75			218	10	1				
1-A	537+25		Rt.					36	16	15.86	4.42
		Totals		200	218	10	1			15.86	4.42

Structure No. SR-3-1027 Sta. 542+00
21" Pipe for Roadway Culvert Sec. M 6.6(b)
Culvert Details and Quantities Shown on Sheet No. 131



Seeding 11,203 Sq. Yds.

Excavation	1784 Cu. Yds.
Embankment	6865 Cu. Yds.

For Pavement Quantities See Sheet No. 93

EXIST. S.R.-3, Sta 531+00 to Sta. 542+00

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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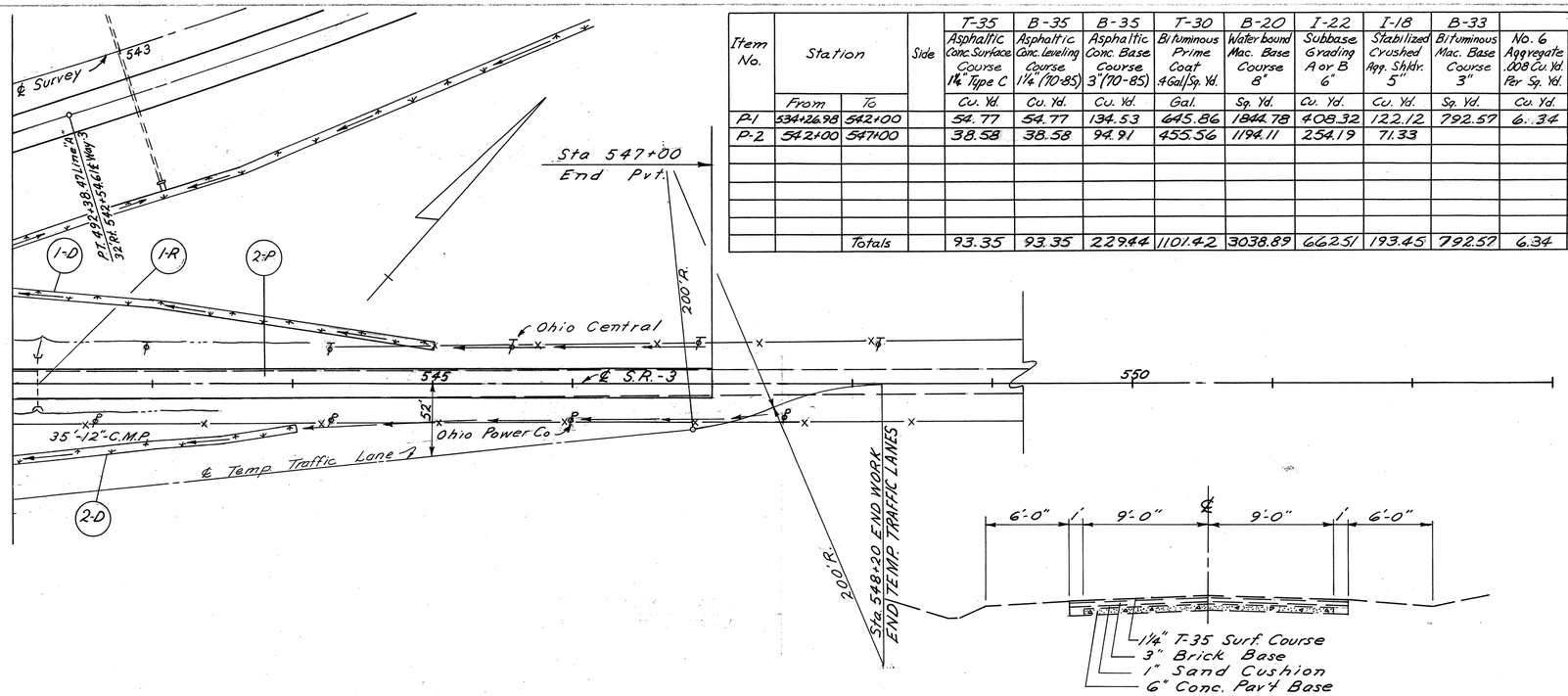
WAYNE COUNTY
WAY-3-9.94

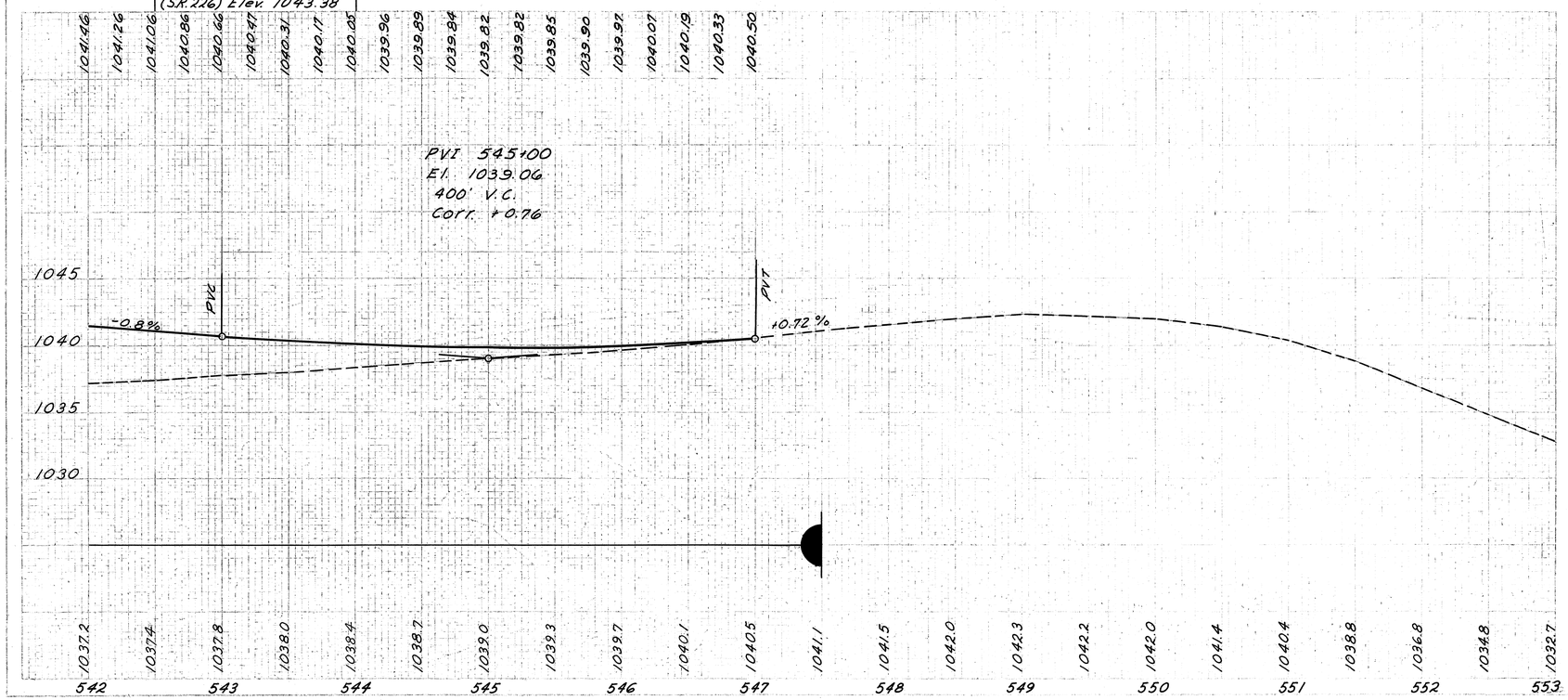
Item No.	Station From	Station To	Side	T-35 Asphaltic Conc. Surface Course 1¼" Type C Cu. Yd.	B-35 Asphaltic Conc. Leveling Course 1¼" (70-85) Cu. Yd.	B-35 Asphaltic Conc. Base Course 3"(70-85) Cu. Yd.	T-30 Bituminous Prime Coat 4 Gal/Sq. Yd. Gal.	B-20 Waterbound Mac. Base Course 8" Sq. Yd.	I-2.2 Subbase Grading A or B 6" Cu. Yd.	I-18 Stabilized Crushed Agg. Shldr. 5" Cu. Yd.	B-33 Bituminous Mac. Base Course 3" Sq. Yd.	T-31 No. 6 Aggregate .008 Cu. Yd. Per Sq. Yd. Cu. Yd.	T-31 No. 46 Aggregate .008 Cu. Yd. Per Sq. Yd. Cu. Yd.	T-31 Bit. Material 2 Applications .25 Gal. Per Sq. Yd. Gal.	I-9 Stone Underdrain No. 2 Lin. Ft.	
P-1	534+26.98	542+00		54.77	54.77	134.53	645.86	1844.78	408.32	122.12	792.57	6.34	6.43	396.29	54.80	
P-2	542+00	547+00		38.58	38.58	94.91	455.56	1194.11	254.19	71.33					150.70	
		Totals		93.35	93.35	229.44	1101.42	3038.89	662.51	193.45	792.57	6.34	6.34	396.29	205.50	

Item No.	Station From	Station To	Side	L-10 Sodding Width Lin. Ft.	L-10 Sodding Sq. Yds.	E-12 Pipe Removal 15" & Under Lin. Ft.		
1-D	542+00	545+00	Lt.	6	201			
2-D	542+00	544+00	Rt.	6	134			
1-R	542+18		Ctr.			35		
		Totals			335	35		



TYPICAL SECTION
EXISTING PAVEMENT

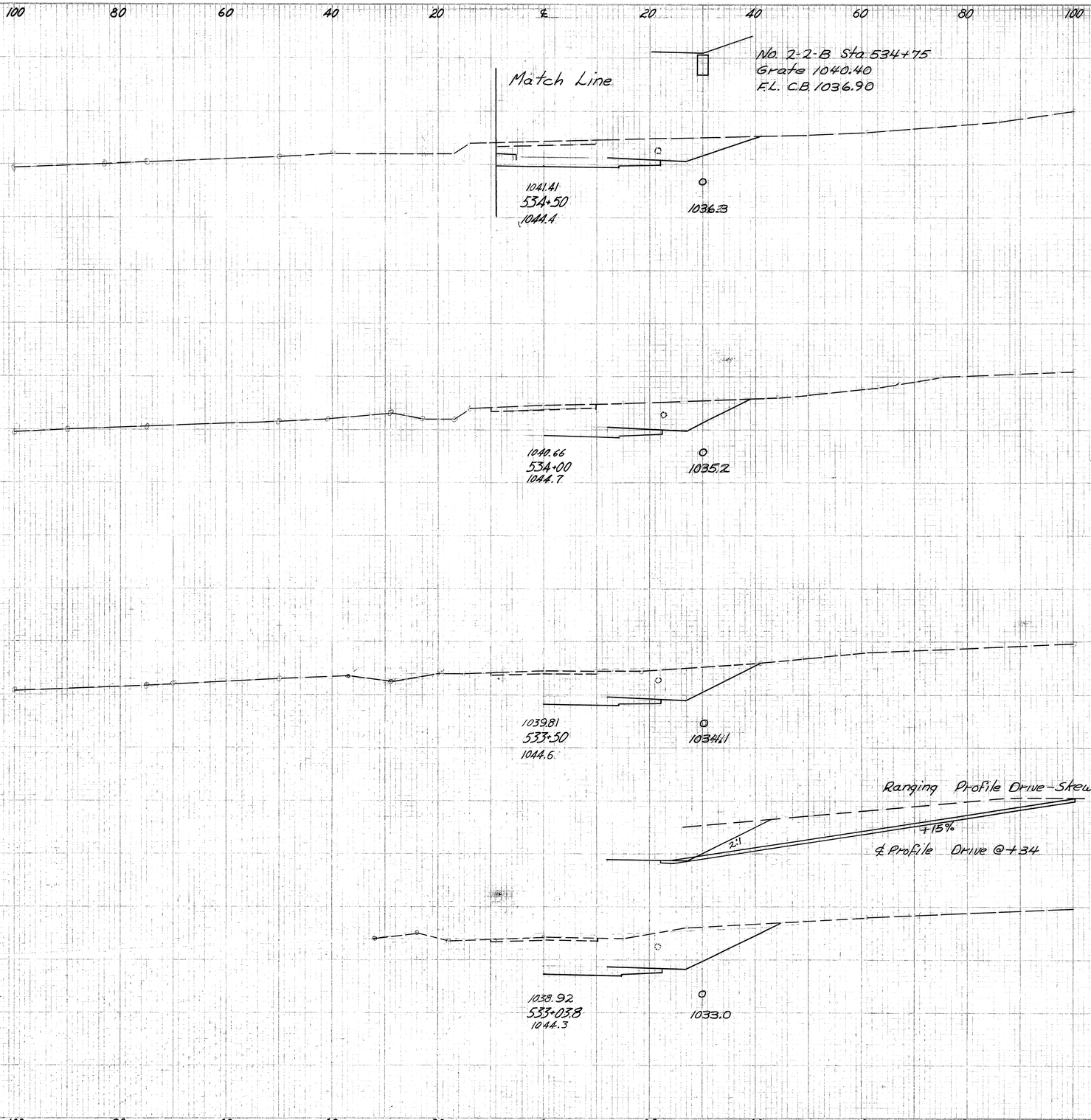
B.M. #2 R.R. Spike in P.P. 30' Lt. Sta. 485+66 (S.R. 226) Elev. 1043.38



EXIST. S.R.-3, Sta. 542+00 to Sta 553+00

FED. RD. DIVISION	STATE	PROJECT		94
2	OHIO			151

WAYNE COUNTY
WAY-3-9.94



	END AREA		CU. YARDS	
	CUT	FILL	CUT	FILL
	190	0		
			168	0
534+26.98 Ahead	204	0		
534+26.98 Back	0	0		

Existing SR 3 Sta. 533+00 To Sta. 534+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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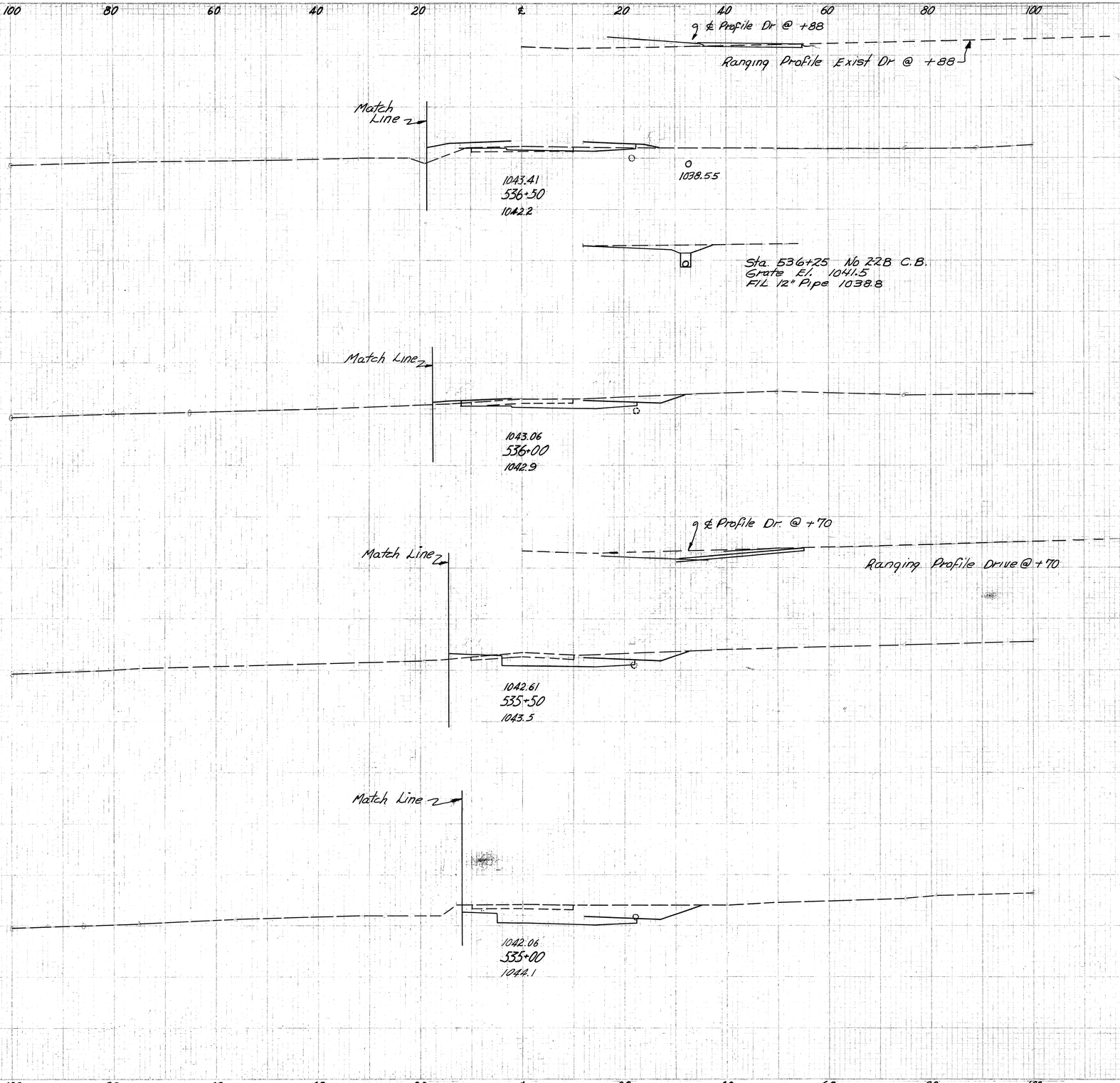
WAYNE COUNTY
WAY-3-9.94



	END AREA		CU. YARDS	
	CUT	FILL	CUT	FILL
Drive Rt 536+88			5	5
	6	25		
			51	28
	49	5		
			107	10
			30	
	66	6		
			170	6
	117	0		
			285	0

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

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WAYNE COUNTY
WAY-3-9.94

	END AREA		CU. YARDS	
	CUT	FILL	CUT	FILL
	4	241		
			10	388
	6	178		
			11	306
	6	152		
Drive Rt. 537+25	0	108	12 10	218 2
537+00 Ahead	7	83		
537+00 Back	7	104		
			12	120

Existing SR 3 Sta. 537+00 To Sta. 538+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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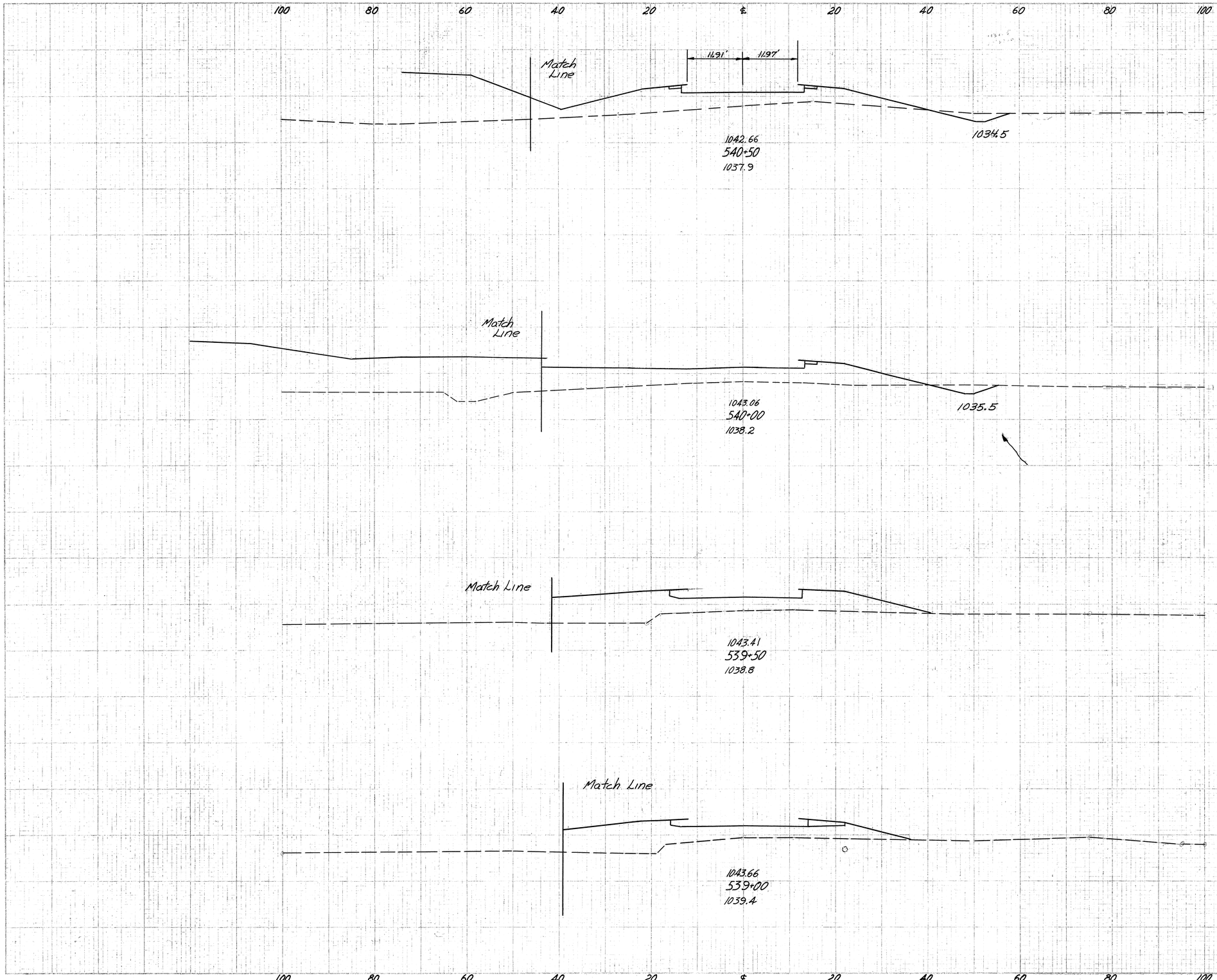
WAYNE COUNTY
WAY-3-9.94



	END AREA		CU YARDS	
	CUT	FILL	CUT	FILL
	15	271		
			29	519
	16	289		
			15	576
	0	333		
			0	578
Ahead 539+00	0	291		
Back 539+00	0	283		
			4	485

Existing SR-3 Sta. 539+00 To Sta. 540+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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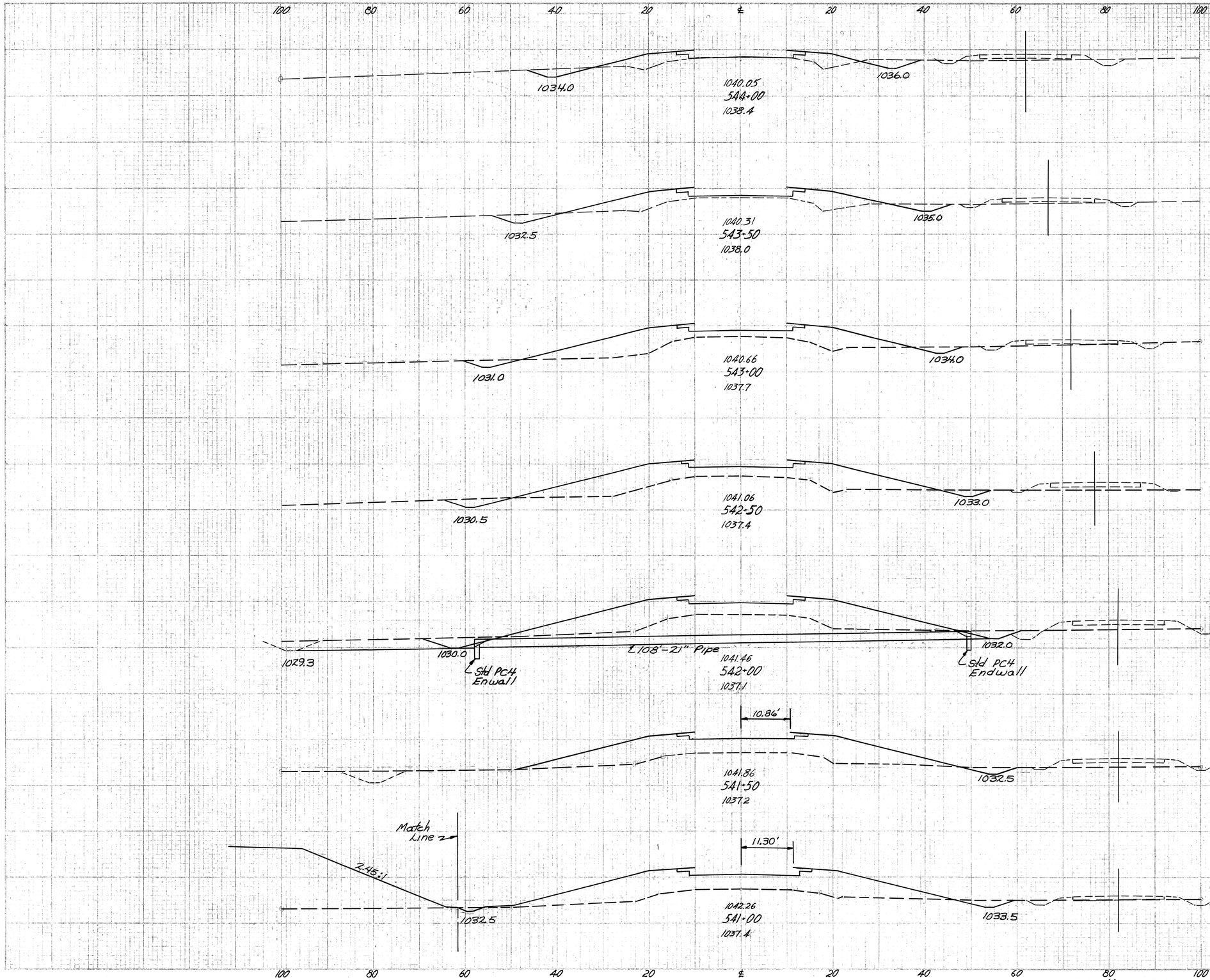
WAYNE COUNTY
WAY-3-9.94

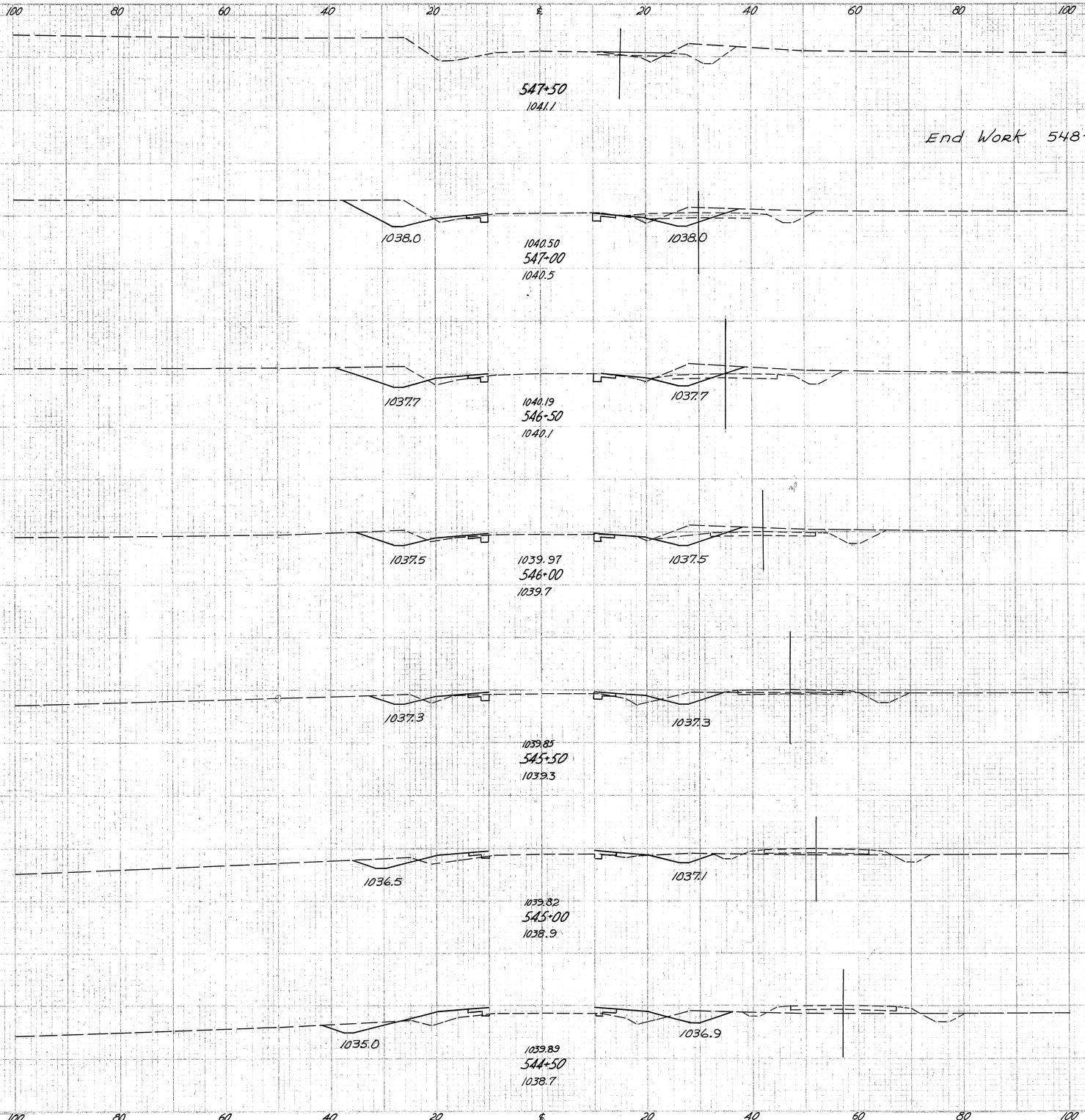


END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
30	63		
		53	175
27	126		
		42	325
18	225		
		37	473
22	286		
		50	572
31	332		
		38	619
10	336		
		22	647
14	362		
		27	586

Existing S.R. 3 Sta. 541+00 To Sta. 544+00

FED. RD. DIVISION	STATE	PROJECT		99
2	OHIO			151

WAYNE COUNTY
WAY-3-9.94

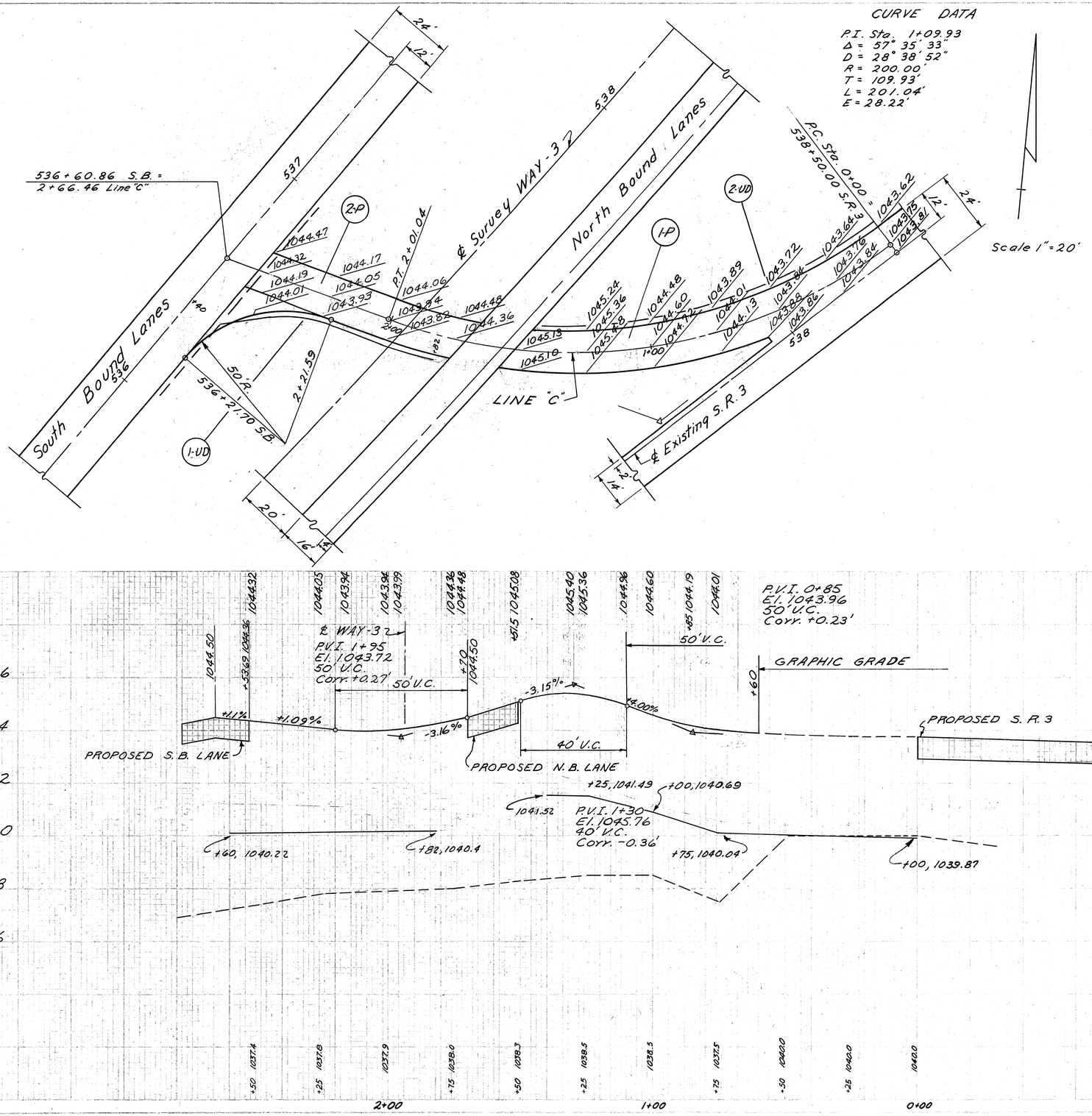


	END AREA		CU. YARDS	
	CUT	FILL	CUT	FILL
547+50	0	0		
			73	7
547+00 Ahead	79	7		
547+00 Back	85	7		
			154	15
	81	9		
			133	13
	62	5		
			84	18
	28	14		
			48	27
	24	15		
			49	51
	29	40		
			55	96

Existing SR-3 Sta. 544+50 To Sta. 547+00

FED. RD DIVISION	STATE	PROJECT		100 / 151
2	OHIO			

WAYNE COUNTY
WAY-3-9.94



Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain Shallow Lin. Ft.	I-5 Pipe Special 6"45° Wye Ea.		
1UD	536+40	1+82	Lt.	78	1		
2UD	0+00	1+40	Rt.	135			
		Totals		213	1		

Item No.	Station From	Station To	Side	T-35 Asphaltic Conc. Surface Course 1/4" Type C Cu. Yd.	B-35 Asphaltic Conc. Leveling Course 1/4 (70-85) Cu. Yd.	B-35 Asphaltic Conc. Base Course 3 (70-85) Cu. Yd.	T-30 Bituminous Prime Coat Applied At Gal.	B-20 Waterbound Mac. Base Course 8" Sq. Yd.	I-22 Subbase Grading A or B 6" Cu. Yd.	I-18 Stabilized Crushed Agg. Shldr. 5" Cu. Yd.	B-33 Bituminous Mac. Base Course 3" Sq. Yd.	T-31 No. 6 Aggregate .038 Cu. Yd. Per Sq. Yd. Cu. Yd.	T-31 No. 46 Aggregate .008 Cu. Yd. Per Sq. Yd. Cu. Yd.	T-31 Bit. Material 2 Applications .25 Gal. Per Sq. Yd. Gal.	
1-P	0	1+51		7.95	19.60	14.54	94.35	70.55	54.68	41.46	11.63	8.98	0.69	0.64	43.38
2-P	1+71	2+5369		5.97	7.95	5.97	280.37	211.27	54.68	41.46	86.76	79.53	0.69	0.64	39.77
		Totals		13.92	34.14	25.48	164.90	491.64	96.14	20.61	168.29	1.33	1.33	83.15	

LINE "C"

FED. NO. DIVISION	STATE	PROJECT	
2	OHIO		

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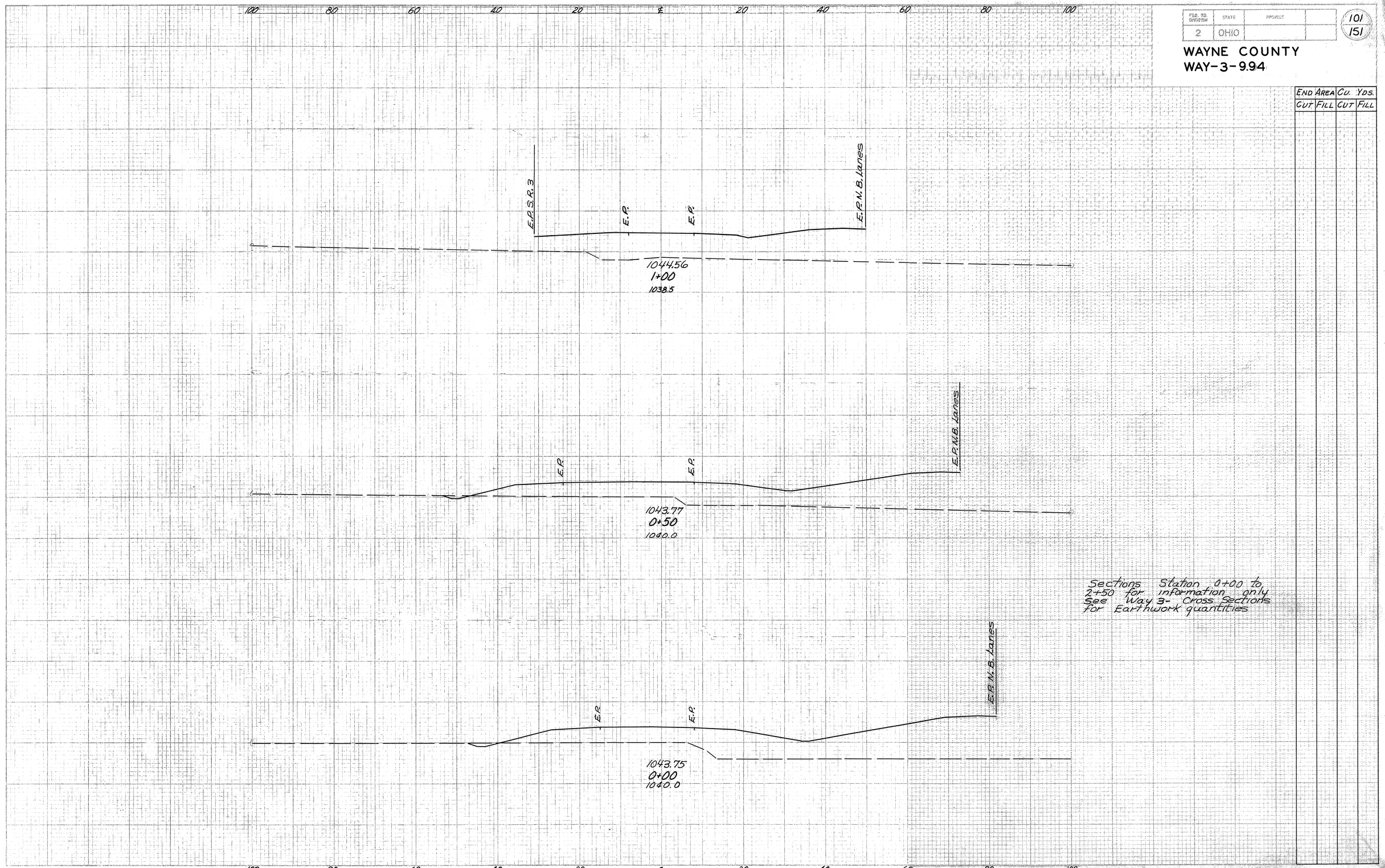
WAYNE COUNTY
WAY-3-9.94

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL



Sections Station 0+00 to 2+50 for information only See Way 3- Cross Sections for Earthwork quantities

Line "C" X-Sections Sta. 0+00 To 1+25

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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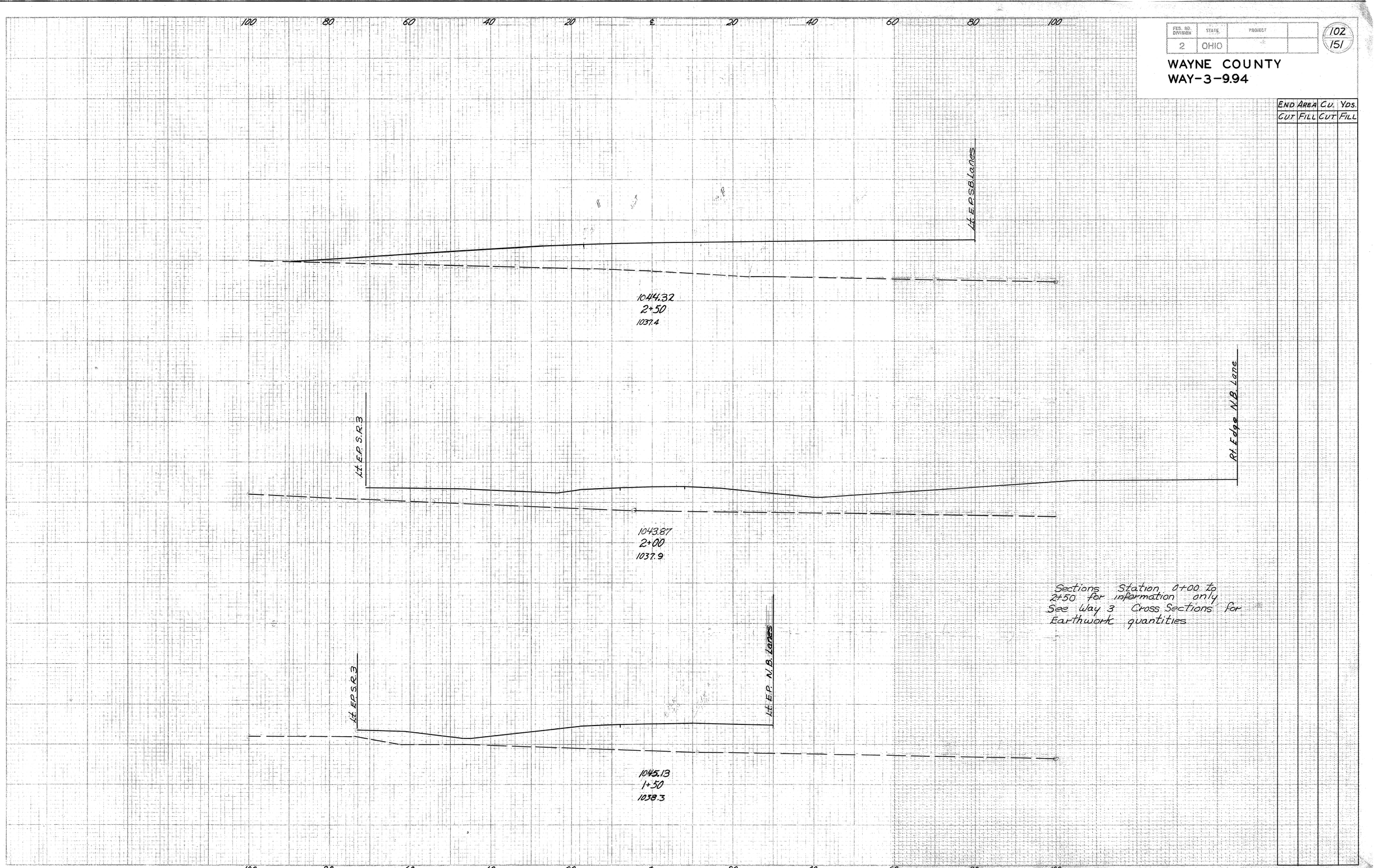
WAYNE COUNTY
WAY-3-9.94

END AREA		C.U.	YDS.
CUT	FILL	CUT	FILL



Sections Station 0+00 to 2+50 for information only See Way 3 Cross Sections for Earthwork quantities

Line "C" X-Sections Sta. 1+50 To 2+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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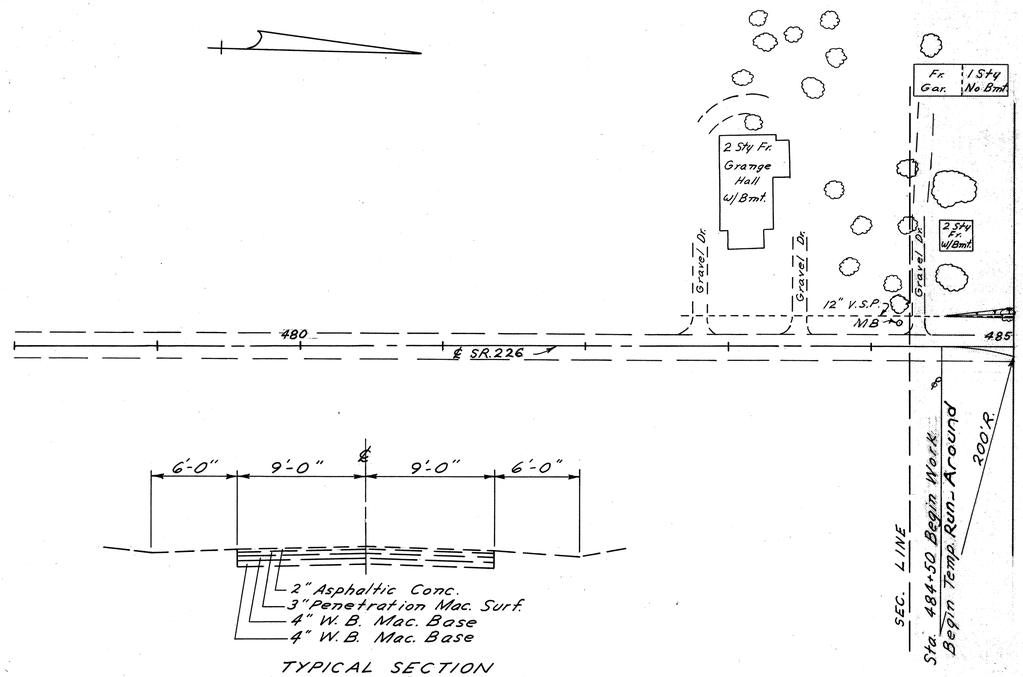
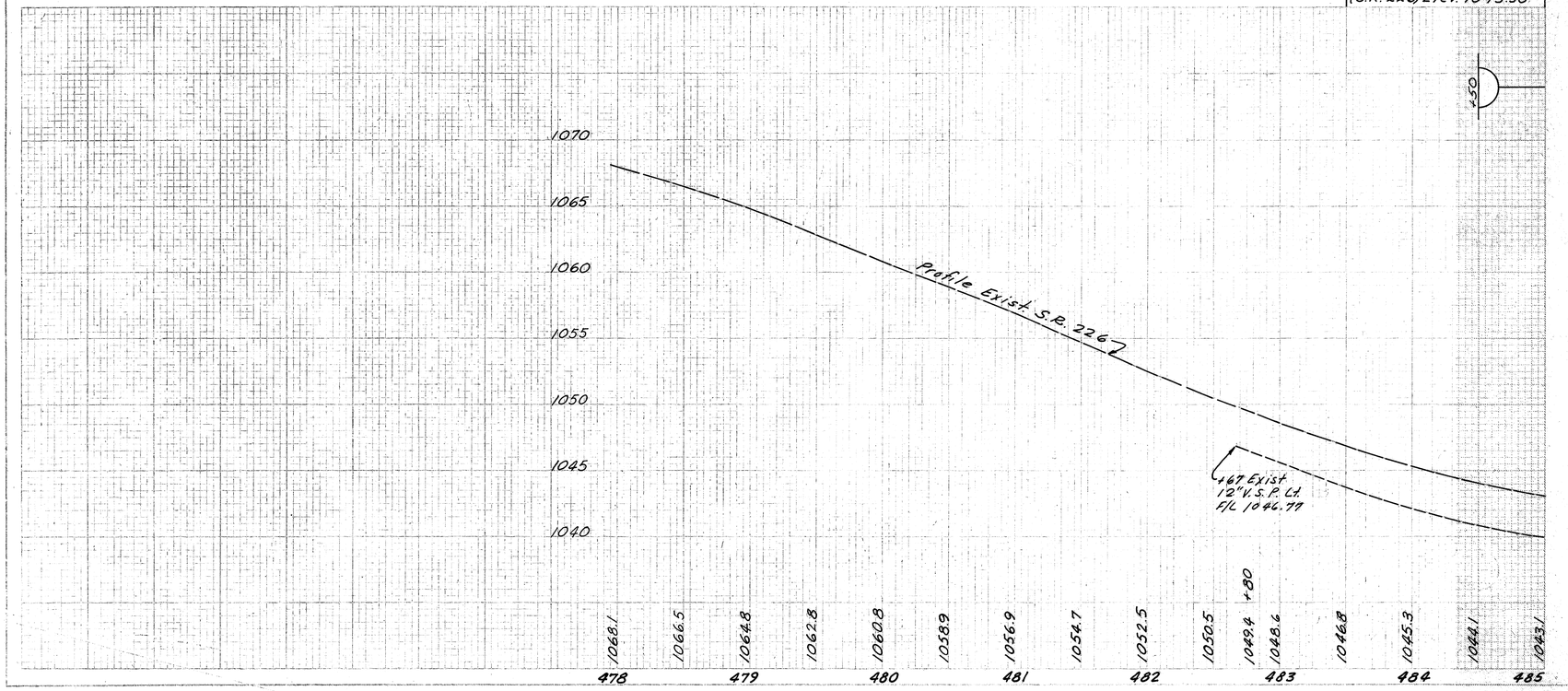
WAYNE COUNTY
WAY-3-9.94



TYPICAL SECTION
EXISTING PAVEMENT

B.M. #2 R.R. Spike in P.P. 30' Lt. Sta 485+66 (S.R. 226) Elev. 1043.38



Item No.	Station From	Station To	Side	T-35 Asphaltic Conc. Surface Course 1¼ Type C	B-35 Asphaltic Conc. Leveling Course 1½ Type C (70-85)	B-19 Crushed Agg. Base Course 5"	T-30 Bituminous Prime Coat 45#/Sq. Yd.	I-22 Subbase Grading No. 8 Agg.	I-18 Stabilized Crushed Agg. Shldr. 6"	I-9 Stone Undermain No. 2
				Cu. Yd.	Cu. Yd.	Cu. Yd.	Gal.	Cu. Yd.	Cu. Yd.	Lin. Ft.
1-P	486+00	488+16.64		2640	31.68	109.33	317.11	91.62	38.74	82.20
			Totals	2640	31.68	109.33	317.11	91.62	38.74	82.20

S.R. -226 Sta. 478+00 to Sta. 485+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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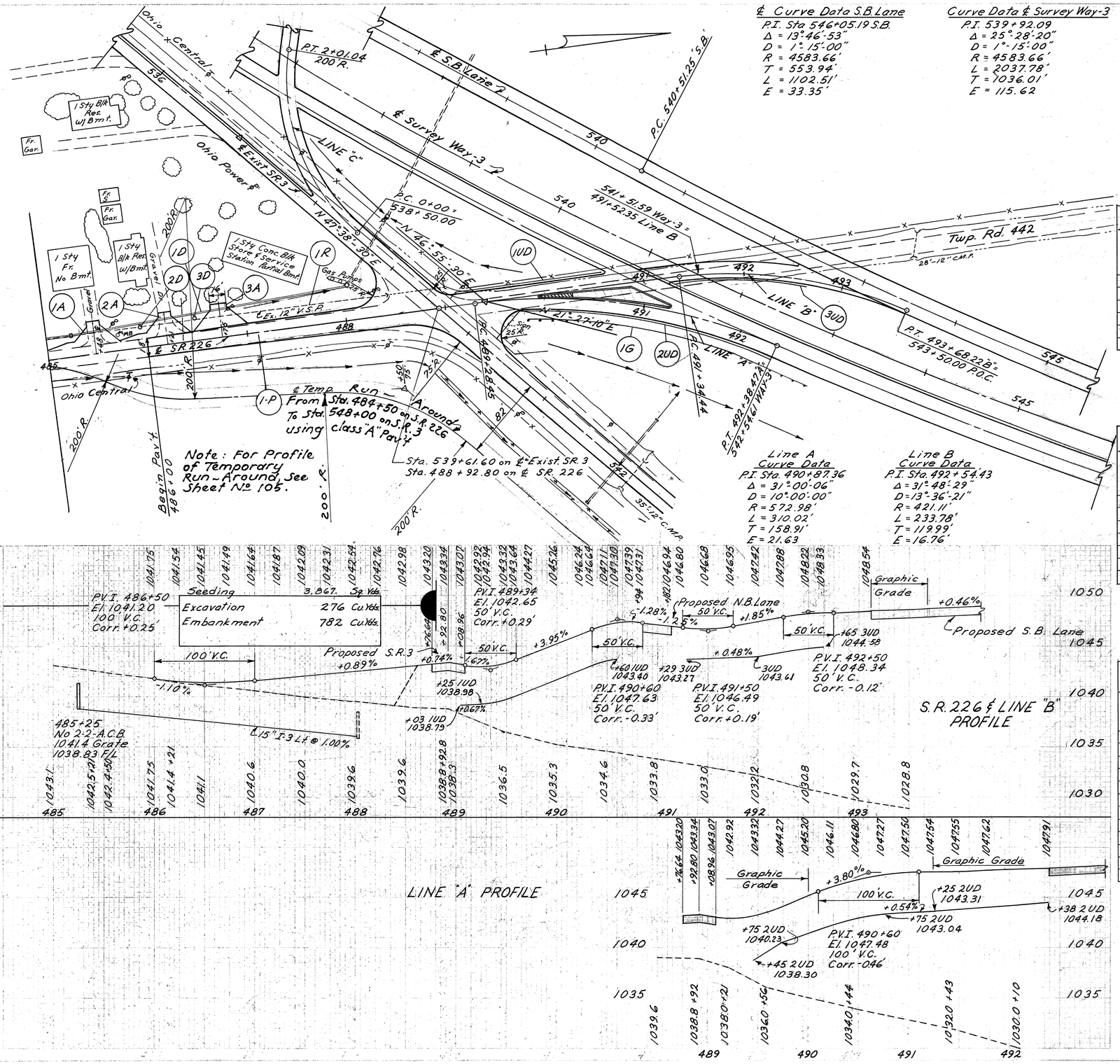
WAYNE COUNTY
WAY-3-9.94

℄ Curve Data S.B. Lane
P.I. Sta 546+05.19 S.B.
Δ = 13°46'-53"
D = 1°-15'-00"
R = 4583.66'
T = 553.94'
L = 1102.51'
E = 33.35'

Curve Data ℄ Survey Way-3
P.I. Sta 539+92.09
Δ = 25°28'-20"
D = 1°-15'-00"
R = 4583.66'
L = 2037.78'
T = 1036.01'
E = 115.62



Item No.	Station From	Station To	Side	I-3 Roadway Drainage 15" Lin. Ft.	I-5 Pipe Specials 15"x15" Tee Each	I-8 Catch Basins No. 228 Ea.	I-8 Catch Basins No. 7 Ea.		
1-D	485+25	488+03	Lt.	272	2	1			
2-D	485+95		Lt.	3			1		
3D	486+50		Lt.	3			1		
		Totals		278	2	1	2		

Item No.	Station From	Station To	Side	I-4 6" Pipe Underdrain Shallow Lin. Ft.	I-5 6" Pipe Specials 6"-45° Bend Ea.	6" Tee Ea.	6"-45° Wye Ea.			
1UD	489+03	490+60B	Lt.	151	1	1				
2UD	489+45A	492+38A	Rt.	292	1	1				
3UD	491+29B	492+65B	Rt.	136			1			
		Totals		579	2	2	1			

Item No.	Station From	Station To	Side	Length Lin. Ft.	Width Lin. Ft.	B-19 Crushed Aggregate Base Course 5" Cu. Yds.	T-35 Asphaltic Concrete Base Course 2" Cu. Yds.	E-12 Pipe Removed 15" & Under Lin. Ft.	I-15 Guard Rail Steel Beam Type Deep Lin. Ft.	B-19 Crushed Aggregate Base Course 7" Cu. Yds.
1A	485+48		Lt.	25	12	12.85	4.95			
2A	486+21		Lt.	25	12	12.71	4.89			
3A	486+75		Lt.	25	16		4.93			17.18
1R	485+24	489+02	Lt.					378		
1-G	489+82.56	492+38.47A	Rt.						246.09	
		Totals				25.56	14.77	378	246.09	17.18

For Pavement Quantities Sta. 486+00 To Sta. 488+76.64
See Sheet No. 103
For Pavement Quantities Line "A" ℄ Line "B" See Sheet No. 27

S.R. 226 Sta. 485+00 to Sta. 493+68.22

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
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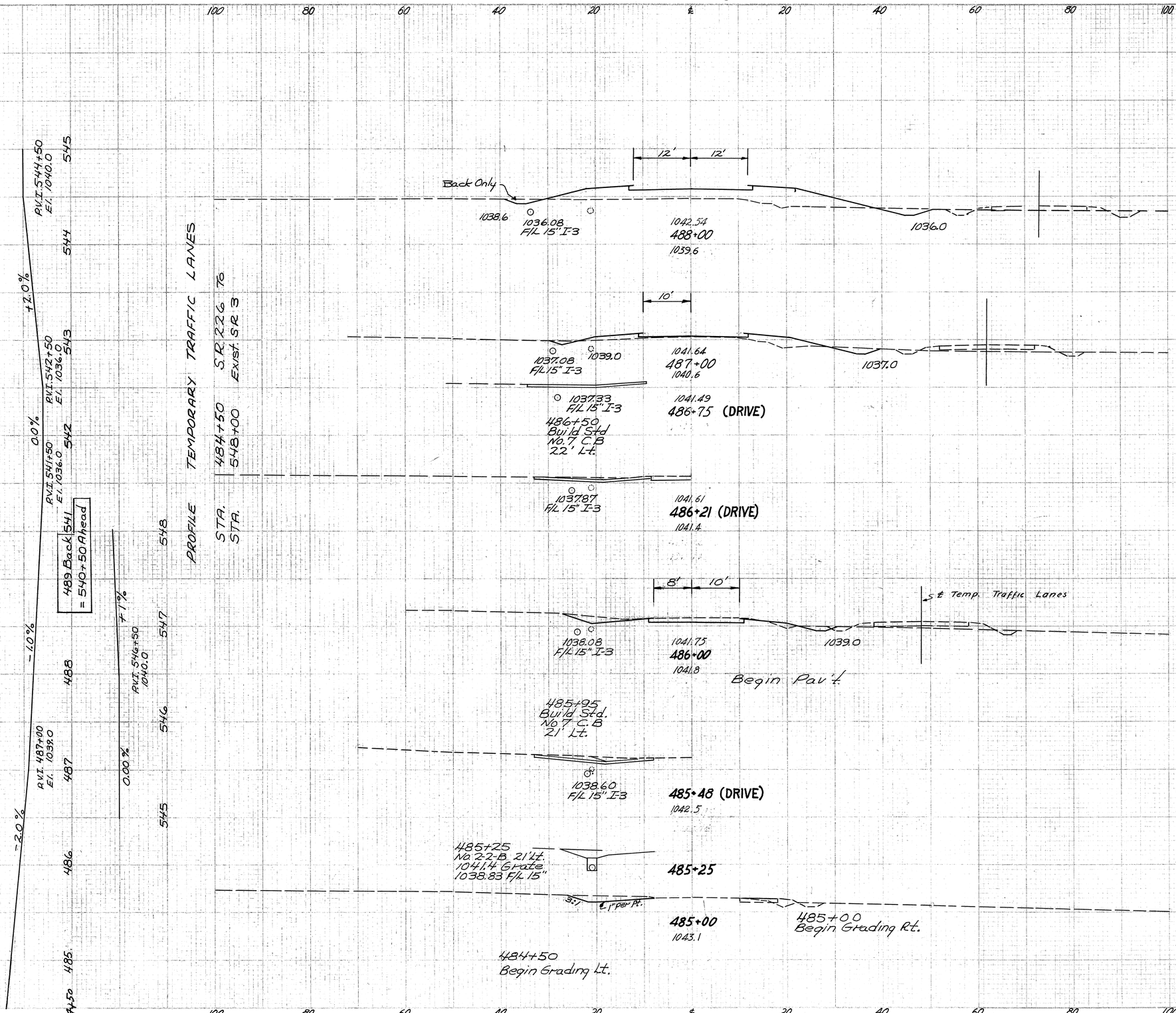

	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
488+15	8	146	5	82
488+00 Ahead	8	146		
488+00 Back	13	146		
			46	344
487+00	12	40		
Drive 486+75				15
Drive 486+21				15
			94	81
Ahead	39	4		
Back	16	4		
Drive 485+48			15	
			57	7
	15	0		
			14	0
+50	0	0		

S. R. 226 X-Sections Sta. 485+00 To 488+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
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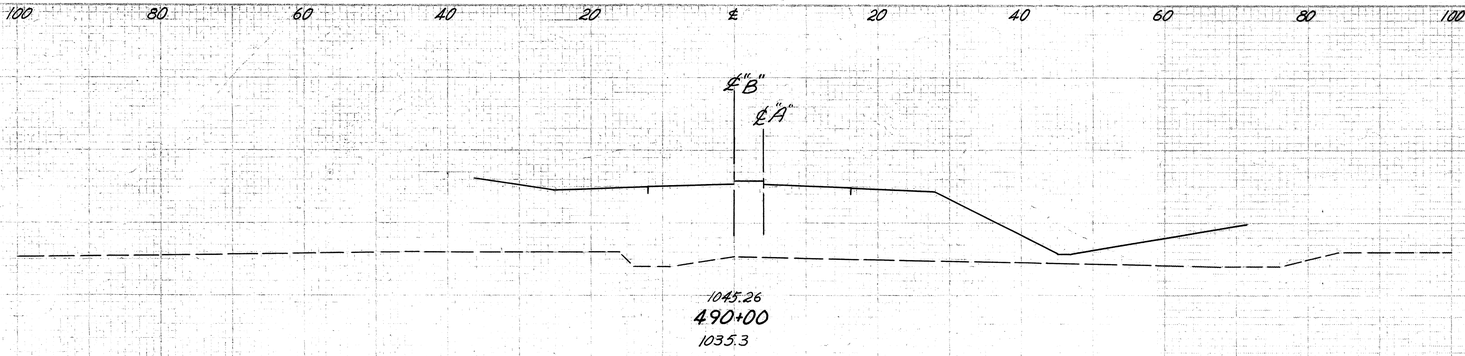
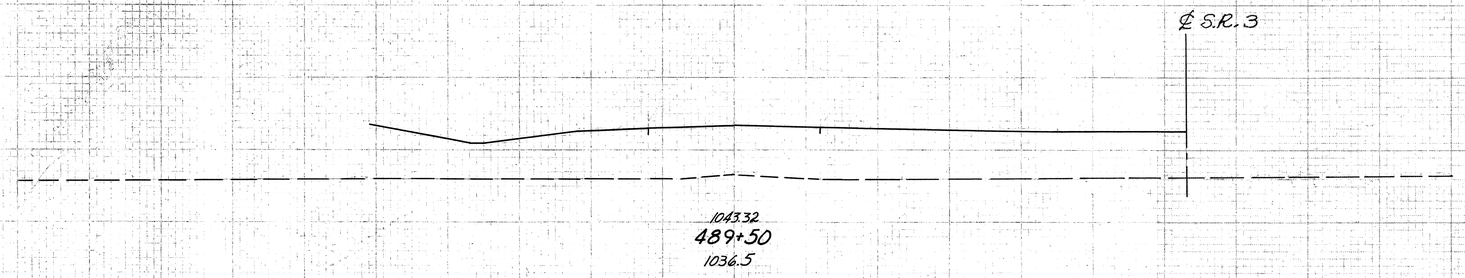
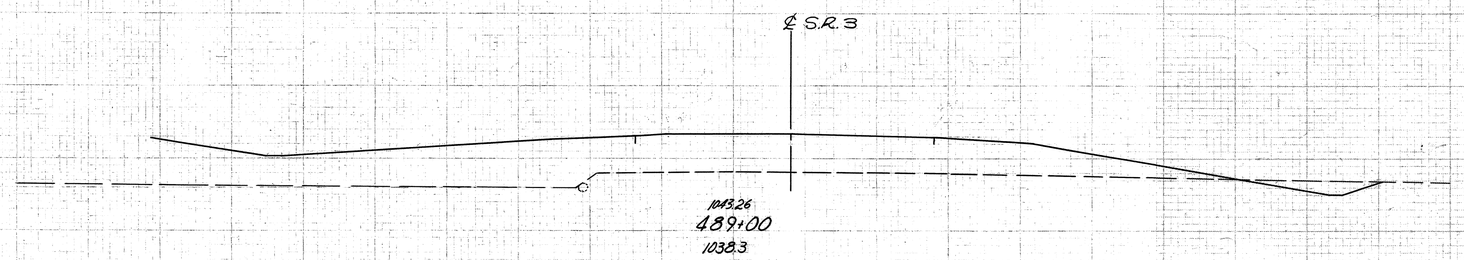
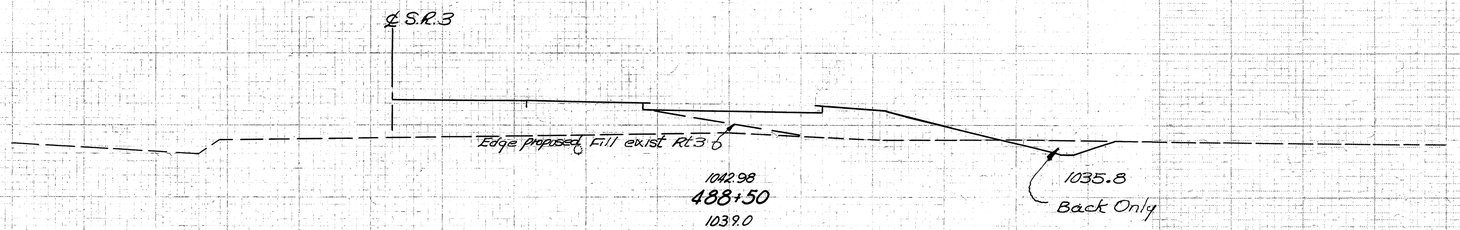


Sections 489+00 to 493+50 for information only - See WAY 3 Cross Sections for Earthwork Quantities





Zero Section - Back 488+80



Excavation for ditch on Radius 488+50 to 540+00.14

488+50 Ahead 0 119
488+50 Back 16 119

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
0	0		
		30	
		0	66
		15	172

S. R. 226 ℄ Line "B" X-Sections Sta. 488+50 To 490+00

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END AREA		CU. YDS.	
CUT	FILL	CUT	FILL

100 80 60 40 20 ℄ 20 40 60 80 100

Rt Edge SB Lanes Way-3

2:1 Normal

Lt Edge SB Lanes Way-3

1047.52
492+00 "B"
1032.2

Lt Edge NB Lanes Way-3

℄ N.B. Lanes Way-3

Rt Edge NB Lanes Way-3

2:1 Normal

1046.70
491+50 "B"
1033.0

Lt Edge NB Lanes Way-3

2:1 Normal

1047.14
491+00 "B"
1033.8

Lt Edge NB Lanes Way-3

℄ Rt Edge NB Lanes Way-3

2:1 Normal

1047.35
490+50 "B"
1034.6

Sections 489+00 to 493+50 for information only -See Way-3 Cross Sections for Earthwork Quantities

100 80 60 40 20 ℄ 20 40 60 80 100

S.R. 226 Line "B" X-Sections Sta. 490+50 To 492+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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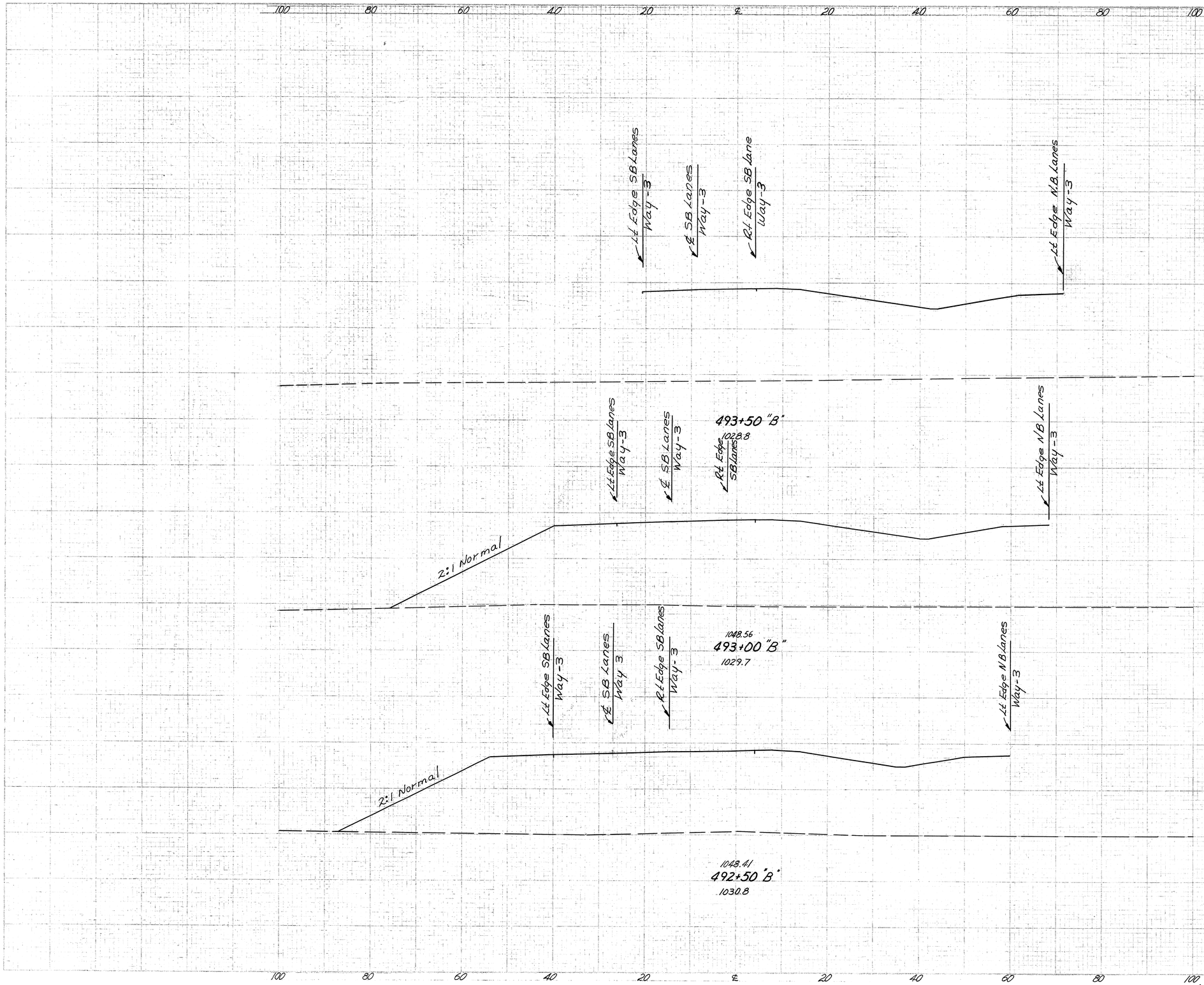
END AREA		CU. YDS.	
CUT	FILL	CUT	FILL



Sections 489+00 to 493+50 for information only - See Way-3 Cross Sections for Earth Work Quantities

Line "B" X-Sections Sta. 492+50 To 493+50

FED. NO. DIVISION	STATE	PROJECT		
2	OHIO			

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WAYNE COUNTY
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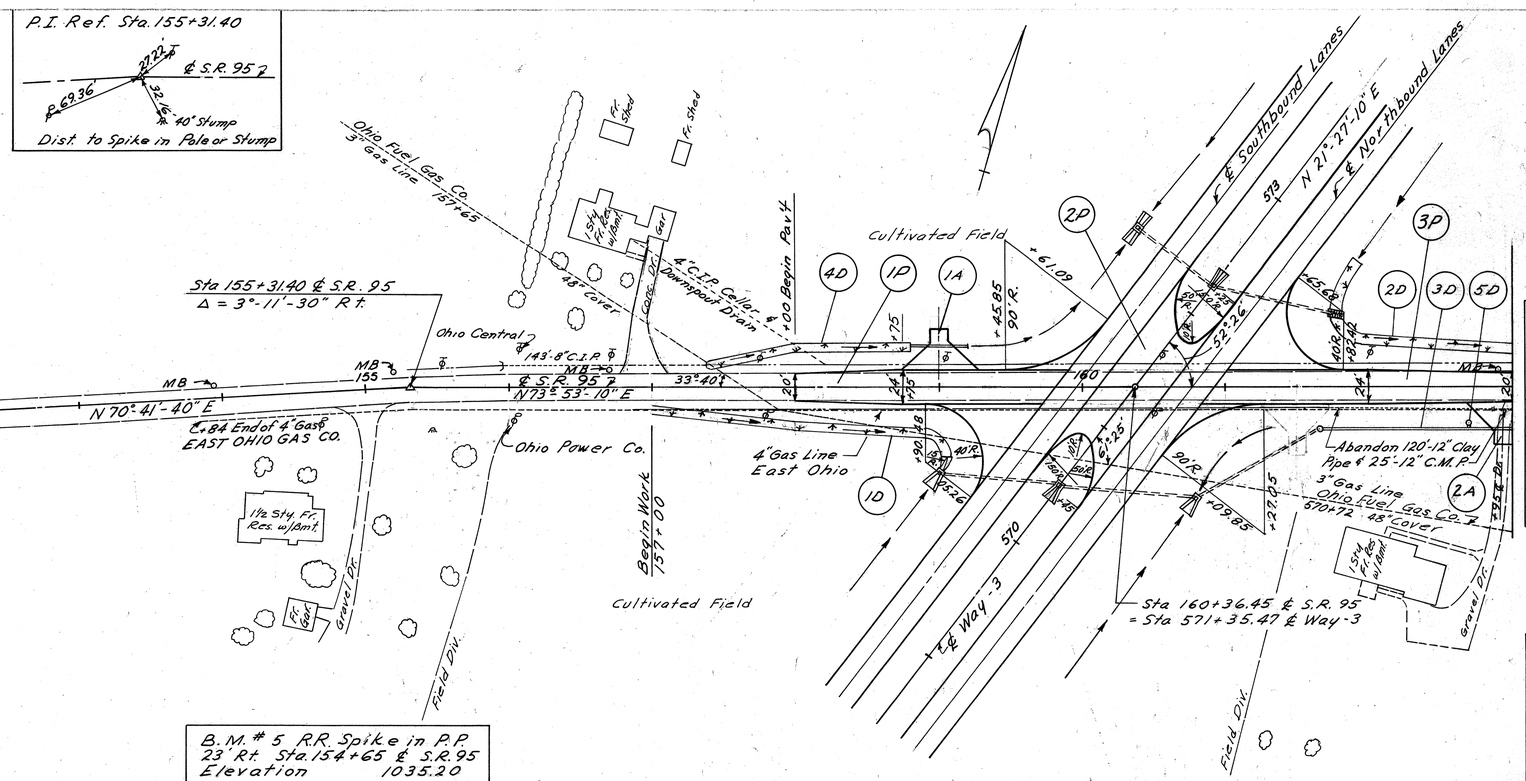
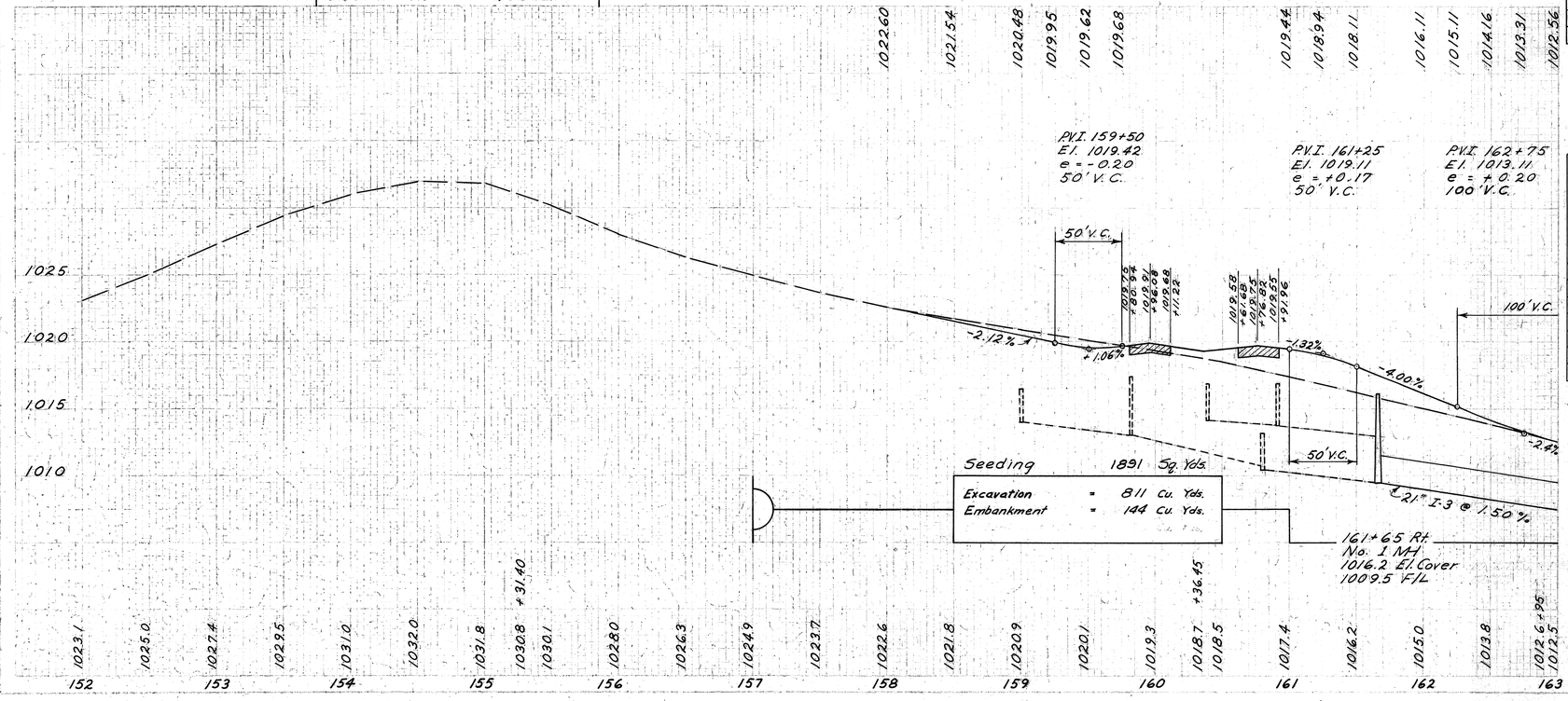


Item No.	Station From	Station To	Side	L-10 Sodding Width Lin. Ft.	L-10 Sodding Width Sq. Yds.	I-3 Roadway Drainage 21" Lin. Ft.	I-3 Roadway Drainage 12" Lin. Ft.	I-5 Pipe Special 21"x12" Tee Each	I-8 Std. No. 1 Man Hole Each	I-8 Std. No. 7 Catch Basin Each	
1-D	158+00	159+10	Rt.	6	150						
2-D	161+75	163+00	Lt.	6	115						
3-D	161+65	163+00	Rt.			133		1	1		
4-D	157+40	158+80	Lt.	6	94						
5-D	162+70		Rt.				3			1	
		Totals			359	133	3	1	1	1	

Item No.	Station From	Station To	Side	Length Lin. Ft.	B-19 Crushed Aggregate Base Course 5" Cu. Yds.	B-19 Crushed Aggregate Base Course 6" Cu. Yds.	T-35 Asphaltic Concrete Surface Course 2" Cu. Yds.	I-1 Pipe For Drives 12" Lin. Ft.		
1A	159+00		Lt.	28		13.37		40		
2-A	162+95		Rt.	30	12.07		4.69			
		Totals			12.07	13.37	4.69	40		

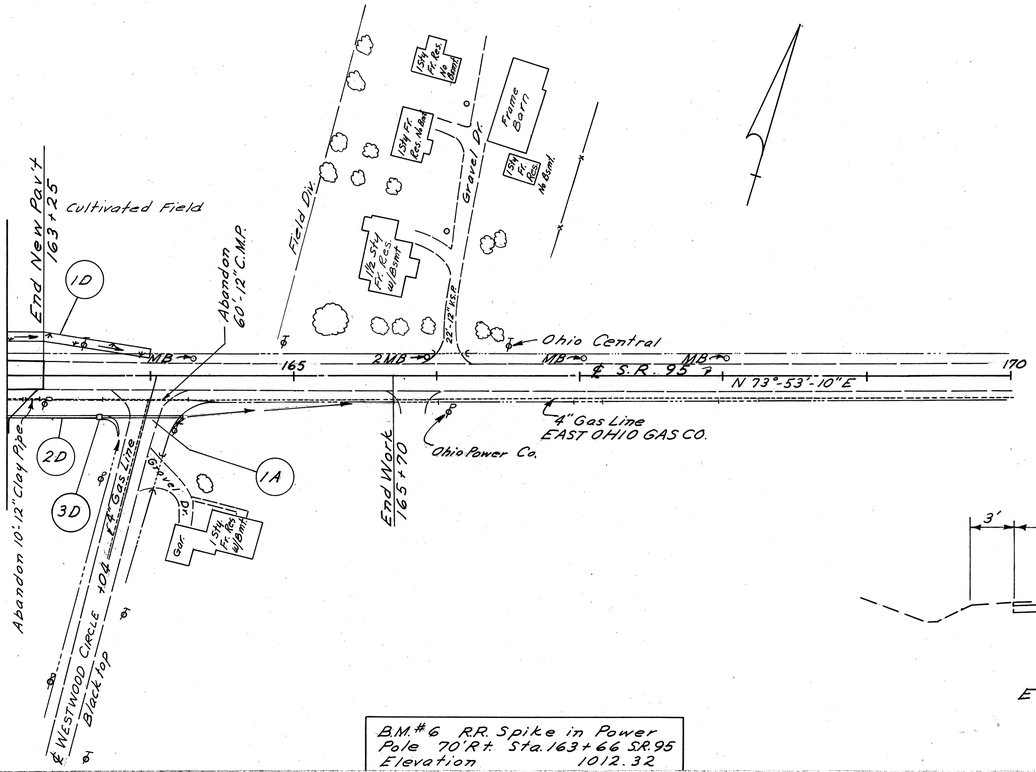


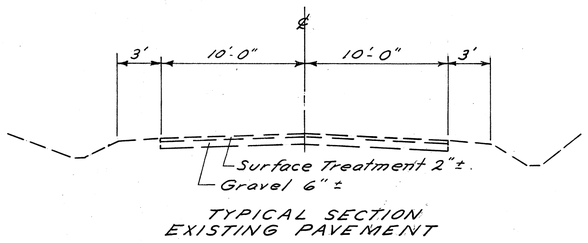
Item No.	Station From	Station To	Side	T-35 1¼" Asph. Conc. Surf. Course "C" Type 70-85 Cu. Yd.	B-35 1½" Asph. Conc. Level Course (70-85) Cu. Yd.	T-30 Bituminous Prime Coat Gal.	B-19 5" Agg. Base Course Cu. Yd.	I-22 4" Subbase Grading A or B Cu. Yd.	I-18 6" Stab. Crushed Aggregate Shoulders Cu. Yd.	I-9 Stone Underdrains No. 2 Lin. Ft.
1P	158+00	159+80.94		22.93	27.52	264.14	92.03	73.33	22.43	40.5
2P	160+11.22	160+61.68		17.74	21.12	201.77	64.57	45.32	6.63	
3P	160+91.96	163+25		27.19	32.63	313.27	109.89	88.27	29.35	67.5
Total				67.86	81.27	779.18	266.49	206.92	58.41	108.0

S.R. 95 Sta. 152+00 to Sta 163+00

FED. RD. DIVISION	STATE	PROJECT		110
2	OHIO			151

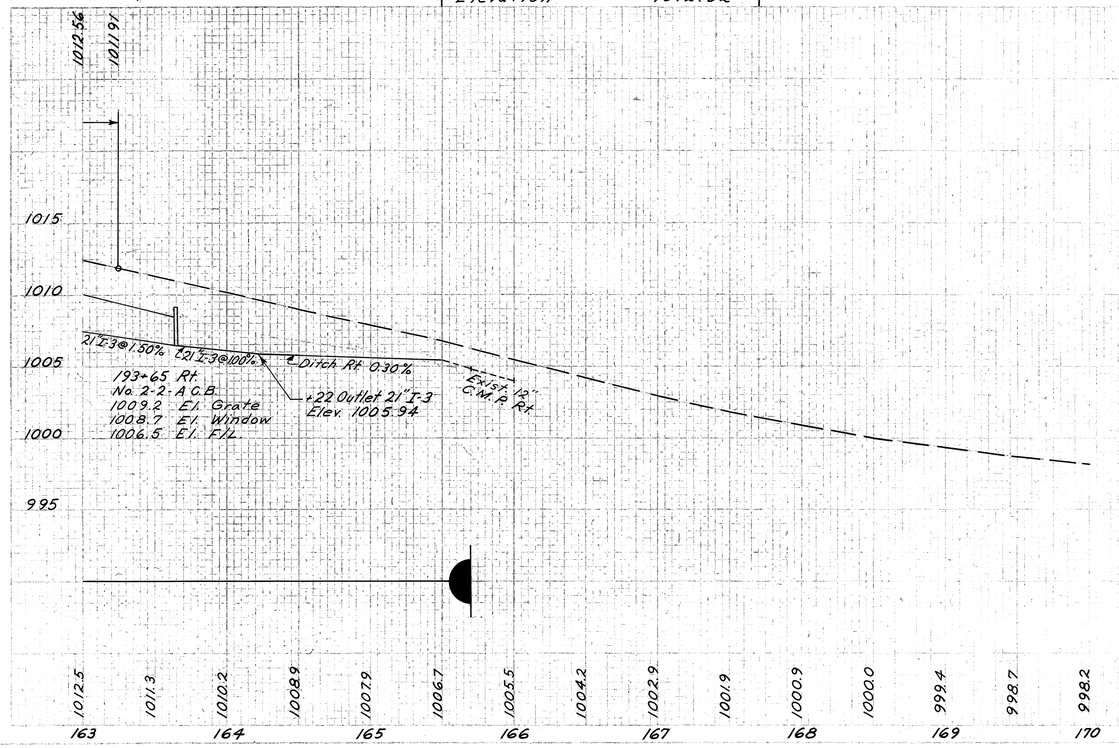
WAYNE COUNTY
WAY-3-9.94





TYPICAL SECTION
EXISTING PAVEMENT

B.M. #6 RR. Spike in Power Pole 70' Rt. Sta. 163+66 SR. 95
Elevation 1012.32



Item No.	Station		Side	L-10 Sodding Width		I-3 Roadway Drainage 21"	I-3 Roadway Drainage Under Pavt. 21"	I-3 Outlet For Roadway Drainage 21"	I-8 No. 2-2A Catch Basin		
	From	To		Lin.Ft.	Sq.Yds.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Each		
1-D	163+00	164+00	Lt.	6	67						
2-D	163+00	164+22	Rt.			64	46	10			
3-D	163+00		Rt.						1		
		Totals			67	64	46	10	1		

Item No.	Station		Side	Width	B-.19 Crushed Aggregate Base Course 5"	T-35 Asphaltic Concrete Surface Course 2"		
	From	To		Lin. Ft.	Cu. Yd.	Cu. Yd.		
1A				4	1.25	0.50		
		Totals			1.25	0.50		

See Preceding Sheet for Pavement Quantities

S. R. 95 Sta. 163+00 to Sta 170+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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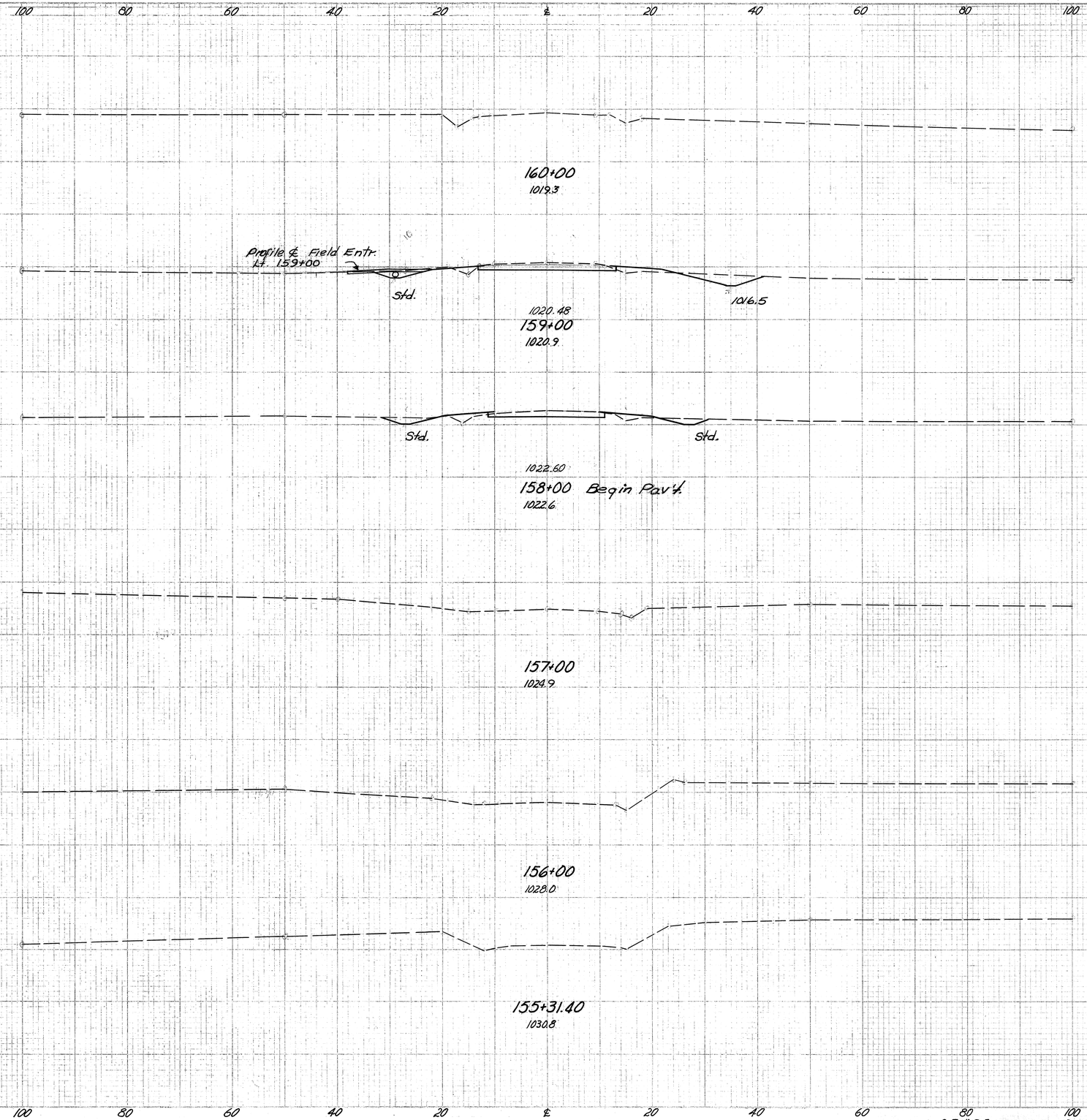

	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
Sta. 159+45	0	0		
			48	12
Drive Lt. 159+00	58	14	3	6
			170	48
158+00 Ahead	34	12		
158+00 Back	14	0		
			26	0
Begin Work +00	0	0		

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S.R. #95 Sta. 155+31.40 To Sta. 160+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
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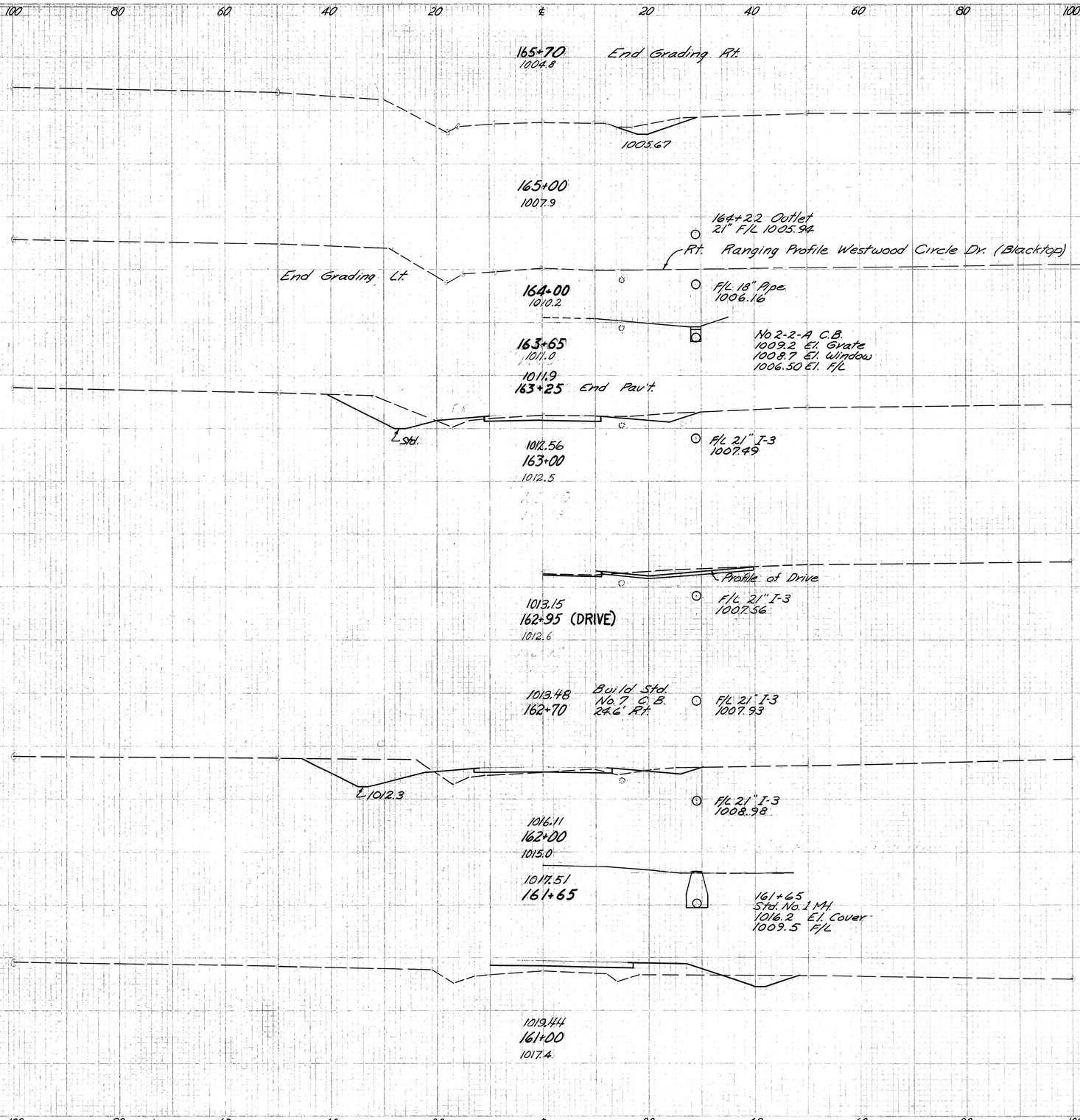

	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
Ahead 165+00	0	0		
Back 165+00	14	0		
			41	0
Ahead 164+22	14	0		
Back 164+22	0	0		
			0	0
164+00	0	0		
			93	8
163+25 Ahead	67	6		
163+25 Back	85	6		
			408	70
Drive Rt 162+95			22	
162+00 Ahead	91	24		

S.R. #95 Sta. 161+00 To Sta. 165+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
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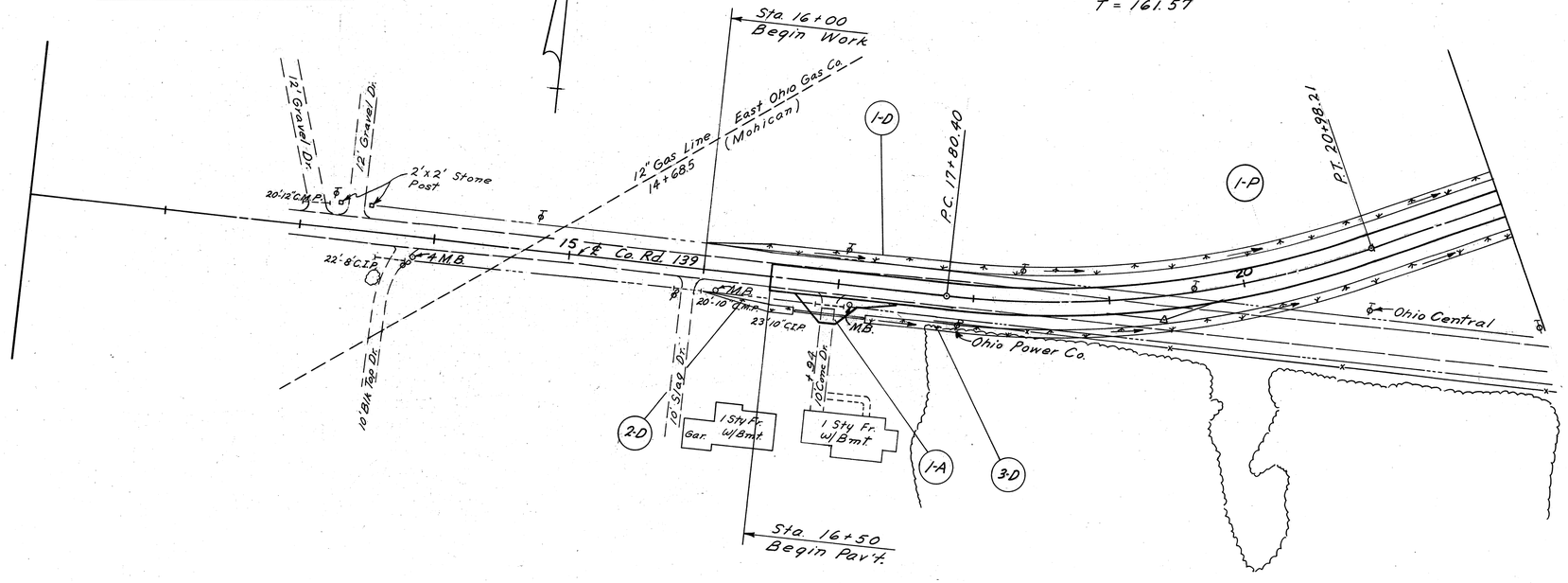
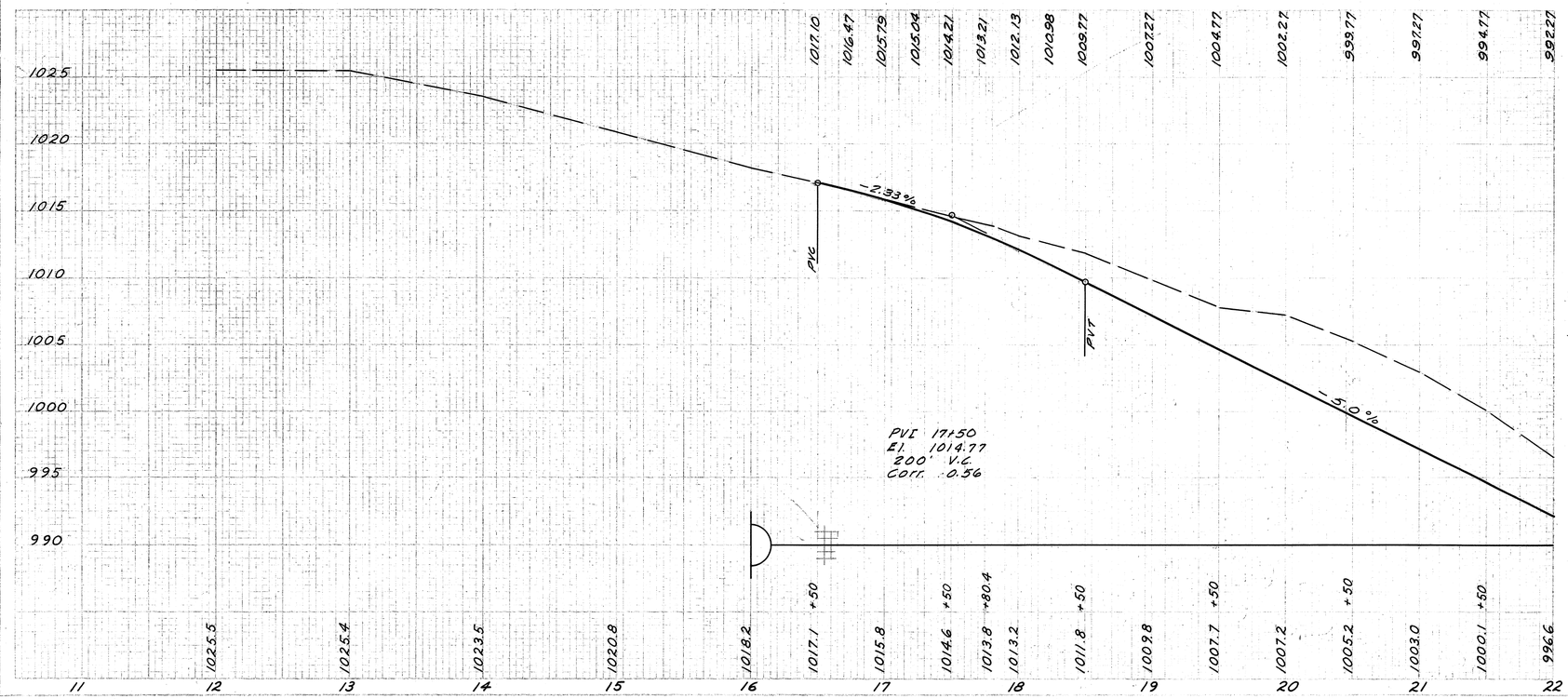
Ref. P.O.T. Sta. 11+77.70
24.27'
R.R. Spike
31.55'
Dist. to Spike in Pole

Ref. P.C. Sta 17+80.40
79.05'
60.58'
℄ Co. Rd 139
24.57'

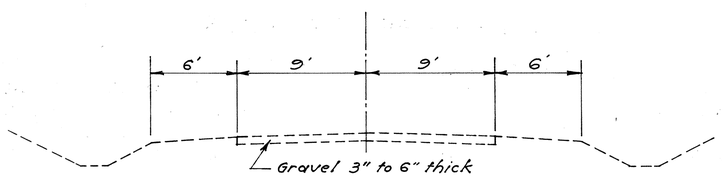
℄ Curve Data. Reloc. C.R. 139
Δ = 25°-25'-30"
D = 8°-00'
R = 716.20'
L = 317.81'
T = 161.57



Item No.	Station From	Station To	Side	L-10 Sodding Width Lin.ft.	L-10 Sodding Sq.Yd.
1-D	16+00	22+00	Lt.	6	450
2-D	16+00	16+68	Rt.	6	52
3-D	17+22	22+00	Rt.	6	358
		Totals			860



Item No.	Station From	Station To	Side	Length	B-.19 Crushed Aggregate Base Course 5" Cu. Yd.	T-35 Asphaltic Concrete Surface Course 2" Cu. Yd.	I-1 Pipe For Drives Lin. Ft. 12"	E-12 Pipe Removed 15" & Under Lin. Ft.
1-A	16+94			20	11.33	4.52	54	23
		Totals			11.33	4.52	54	23



TYPICAL SECTION EXIST'G
C.R. 139

For Pavement Quantities See Sheet No. 114

CO. RD. 139 Sta. 11+00 to Sta. 22+00

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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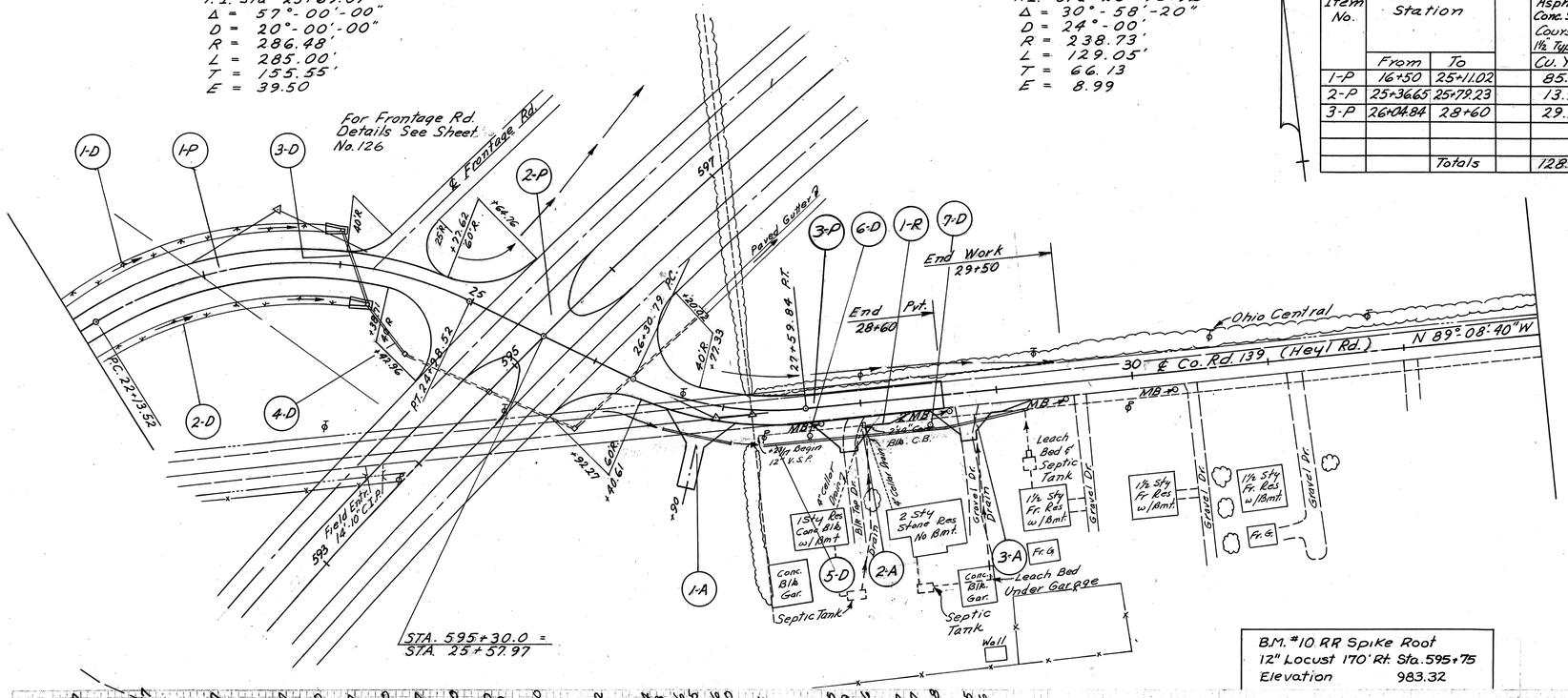
WAYNE COUNTY
WAY-3-9.94

Relocated Co. Rd. 139
Curve Data
P.I. Sta 23+69.07
Δ = 57°-00'-00"
D = 20°-00'-00"
R = 286.48'
L = 285.00'
T = 155.55'
E = 39.50

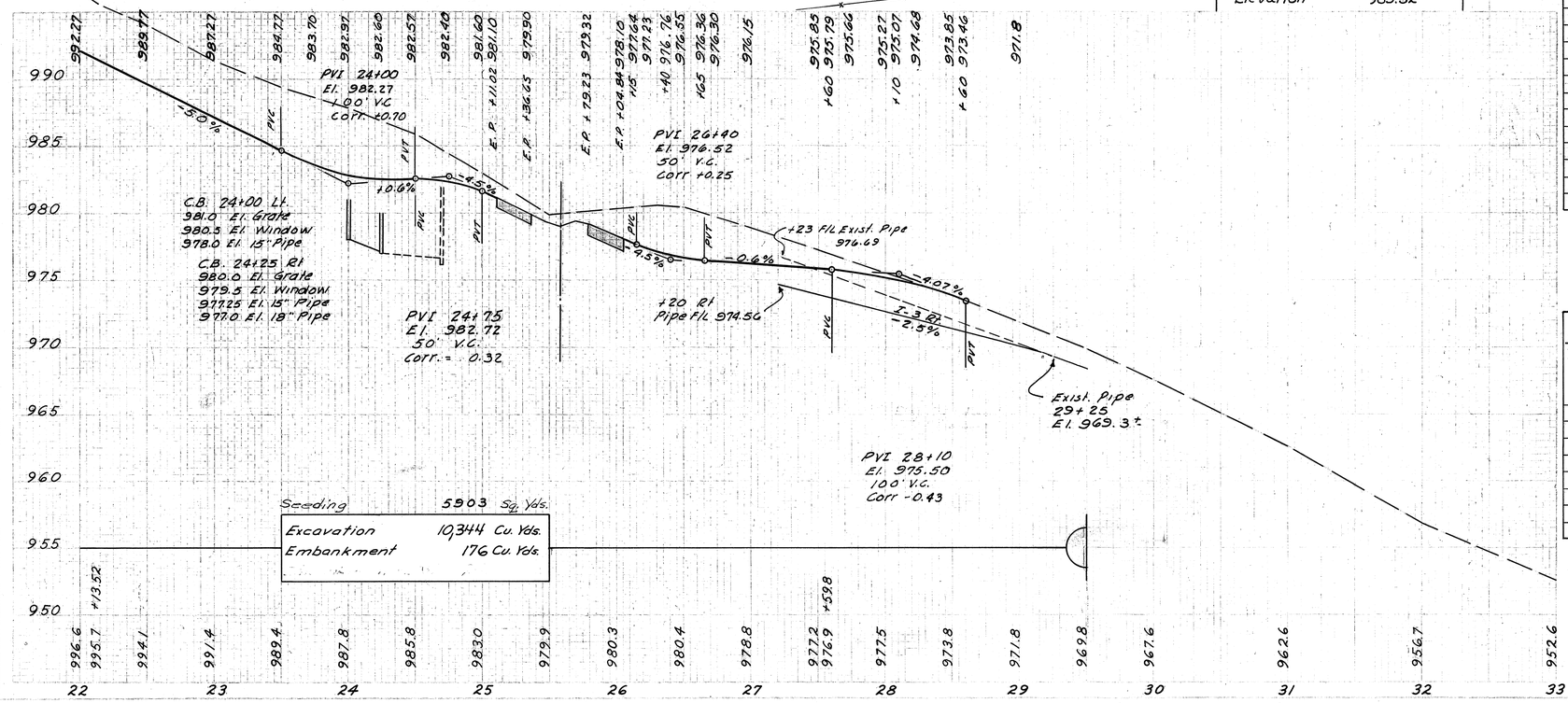
Relocated Co. Rd. 139
Curve Data
P.I. Sta. 26+96.92
Δ = 30°-58'-20"
D = 24°-00'
R = 238.73'
L = 129.05'
T = 66.13
E = 8.99

For Frontage Rd. Details See Sheet No. 126



STA. 595+30.0 =
STA. 25+57.97

B.M. #10 RR Spike Root
12" Locust 170' Rt. Sta. 595+75
Elevation 983.32



Seeding 5903 Sq. Yds.

Excavation	10,344 Cu. Yds.
Embankment	176 Cu. Yds.

Item No.	Station From	Station To		T-35 Asphaltic Conc. Surface Course 1½ Type A Cu. Yds.	T-30 Bituminous Prime Coat .4 Gal/Sq. Yd. Gal.	B-19 Crushed Agg. Base Course 5" Cu. Yd.	I-22 Subbase Grading A or B 4" Cu. Yd.	I-9 Stone Underdrain No. 2 Lin. Ft.	
1-P	16+50	25+11.02		85.52	820.9	298.21	248.88	168	
2-P	25+36.65	25+79.23		13.99	134.3	40.63	33.73		
3-P	26+04.84	28+60		29.18	280.1	100.28	80.52	72	
		Totals		128.69	1235.3	439.12	363.13	240	

Item No.	Station From	Station To	Side	L-10 Sodding Width		I-14 Paved Gutter Special	I-8 Catch Basins No. 2-2 A	I-2 Storm Sewer Under Pvt. Class "B" 15" Lin. Ft.		I-2 Storm Sewer Sec. M 6.5(a) & M 6.8(a) 18" Lin. Ft.		
				Lin. Ft.	Sq. Yd.	Lin. Ft.	Each	15"		18"		
1-D	22+00	23+90	Lt.	6	127							
2-D	22+00	24+15	Rt.	6	144							
3-D	24+00	24+25	Rt. & Lt.	1.5	6	20	2	54				
4-D	24+25	594+50	Rt.							44		
		Totals			277	20	2	54		44		

Item No.	Station From	Station To	Side	I-8 Catch Basins No. 7 Each	I-3 Pipe For Roadway Drainage Lin. Ft. 6"	12"	I-3 Pipe For Roadway Drainage Under Pvt. Lin. Ft. 6"	12"	I-5 Pipe Specials Each 12" Tee	12"x6" Wye	E-12 Pipe Removed 15" & Under Lin. Ft.		
5-D	27+20	29+25	Rt.			125		72	2				
6-D	27+60		Rt.	1		3							
7-D	28+50		Rt.	1		3							
1-2	27+23	29+25	Rt.								232		
		Totals		2		131		72	2		232		

Item No.	Station From	Station To	Side	Length	B-19 Crushed Aggregate Base Course Cu. Yds. 5"	6"	T-35 Asphaltic Concrete Surface Course Cu. Yds. 2"	I-1 Pipe For Drives 12"			
1-A	26+90		Rt.	52		18.67		54			
2-A	27+89		Rt.	25	12.75		4.89				
3-A	28+76		Rt.	25	12.75		4.89				
		Totals			25.50	18.67	9.78	54			

CO. RD. 139 Sta 22+00 to Sta 33+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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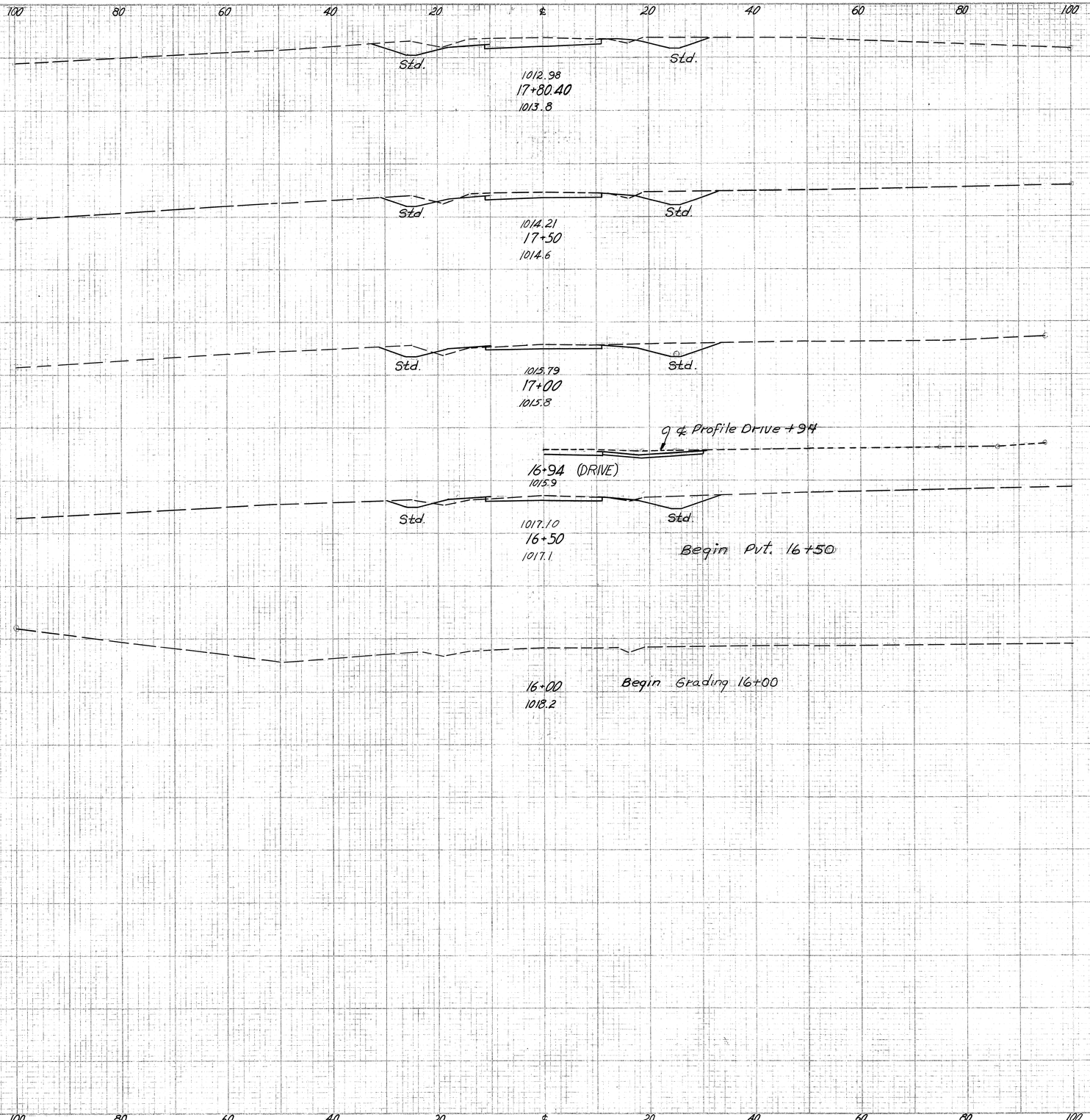
WAYNE COUNTY
WAY-3-9.94



End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
83	1		
		82	2
62	2		
		111	6
58	4		
		99	10
		18	
49	6		
		46	6
0	0		

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CO. RD. #139 Sta. 15+00 To Sta. 17+80.40

FED. RD. DIVISION	STATE	PROJECT		116
2	OHIO			151

WAYNE COUNTY
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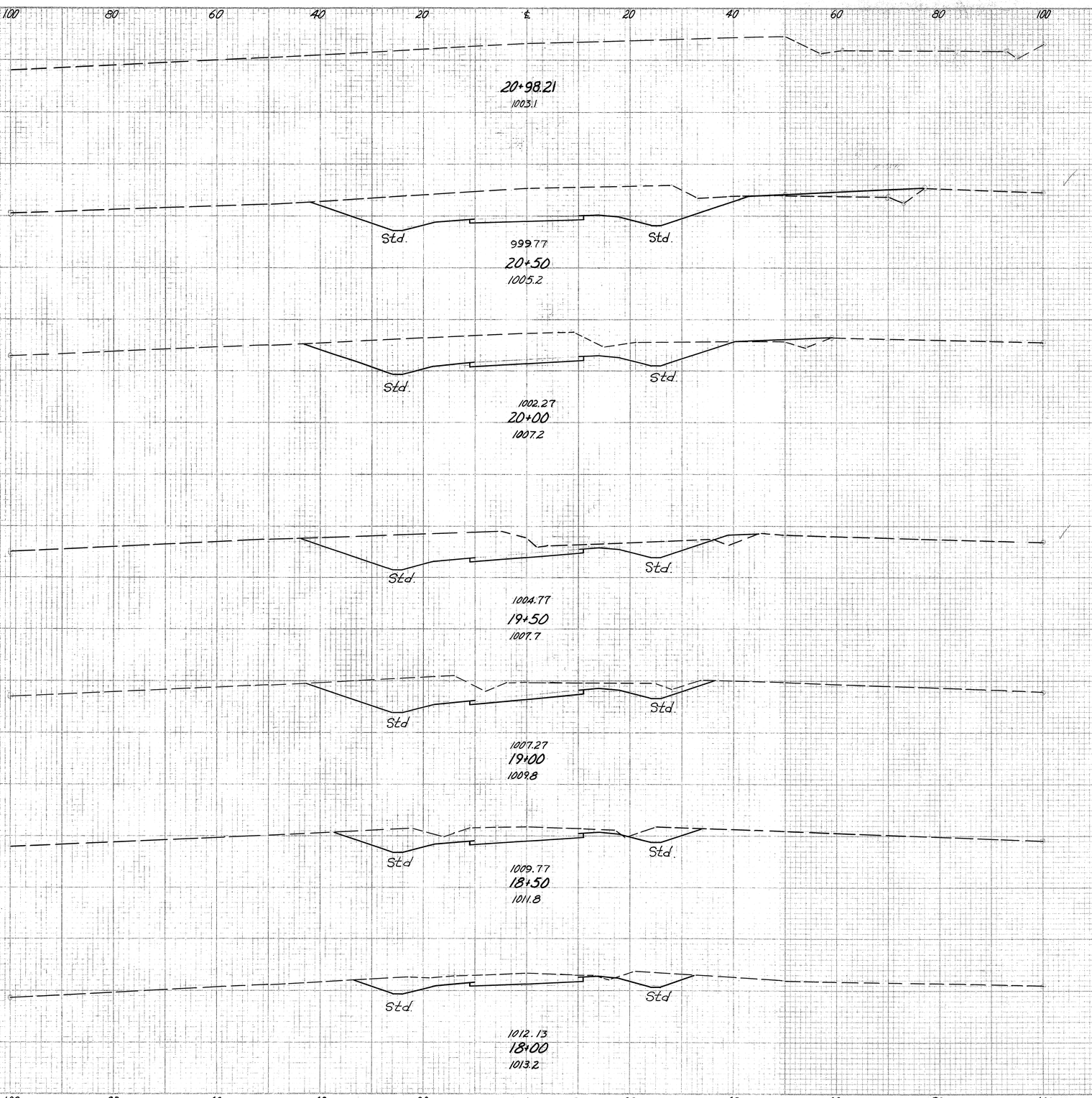

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
422	27		
		730	34
366	9		
		594	17
275	9		
		473	9
236	0		
		370	0
163	0		
		254	1
111	1		
		70	1

CO. RD. #139 Sta. 18+00 To Sta. 20+98.21

FED. NO. DIVISION	STATE	PROJECT	
2	OHIO		

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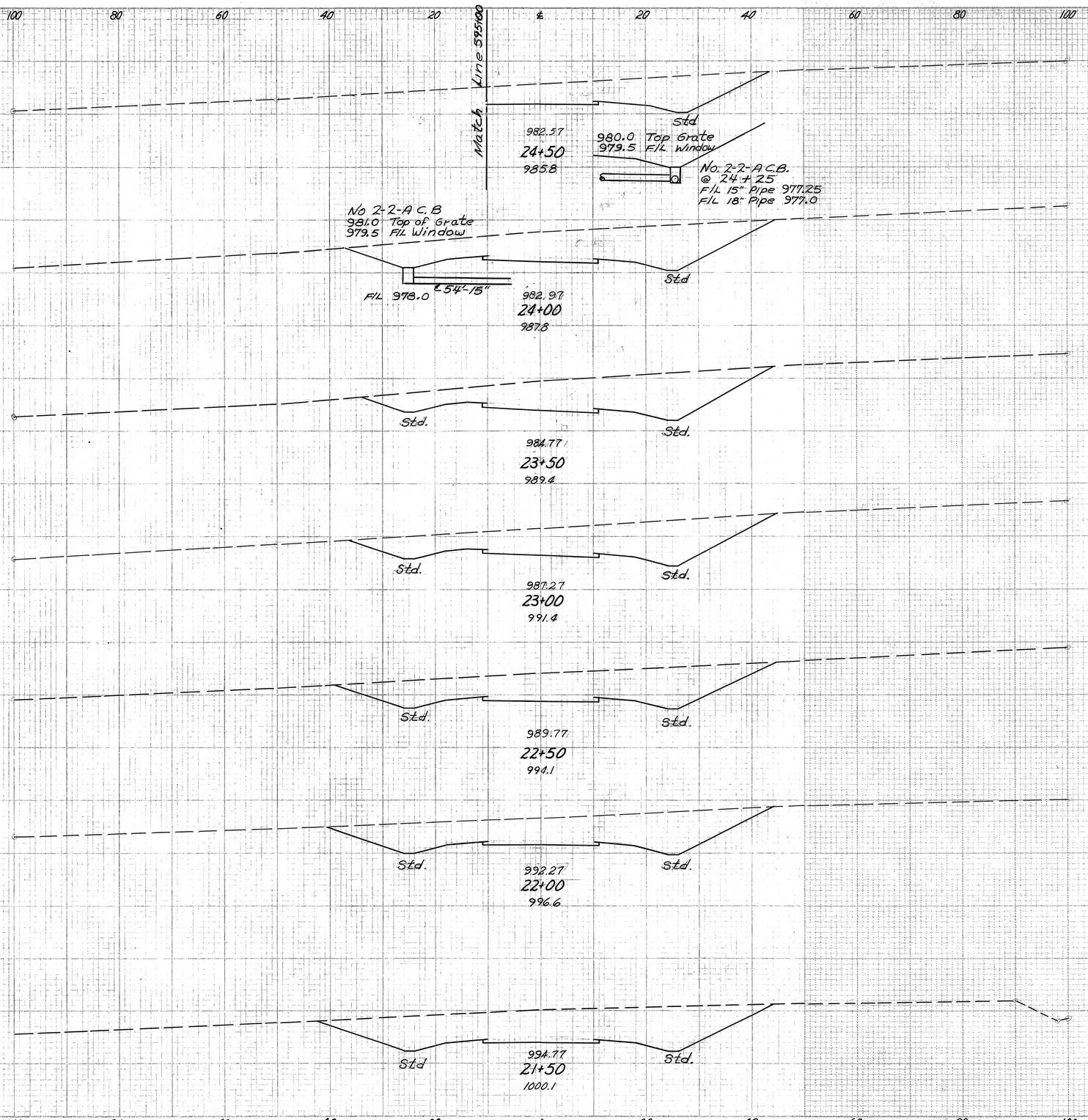

	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
Ahead 24+50	0	0		
Back 24+50	238	0		
			600	0
24+25				
	410	0		
24+00				
			730	0
	378	0		
			704	0
	382	0		
			726	0
	402	0		
			742	0
	399	0		
			805	0
	470	0		
			1652	50

CO. RD. #139 Sta. 21+50 To Sta. 24+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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100 80 60 40 20 ℄ 20 40 60 80 100

Std. 975.27 28+00 975.5 — 972.56

℄ Profile Dr. +89

27+89 (DRIVE) 975.7

Std. 975.85 27+50 977.2 — 973.81

974.56

27+20

+20%

℄ Profile Field Entr. @ +90

Std. Std.

976.15 27+00 978.8

Match Line 396+00 Back Only

Std.

976.55 26+50 980.3

26+00 980.3

25+50 979.9

981.66 24+98.52 983.1

	END CUT	END FILL	AREA CUT	AREA FILL	Cu. Yds. CUT	Cu. Yds. FILL
	77	0				
Drive 27+89					19	0
					193	0
	132	0				
					385	0
Drive 26+90					45	31
	283	0				
					567	7
26+50 Ahead	329	7				
26+50 Back	0	0				

100 80 60 40 20 ℄ 20 40 60 80 100

CO. RD. # 139 Sta. 24+98.52 To Sta. 28+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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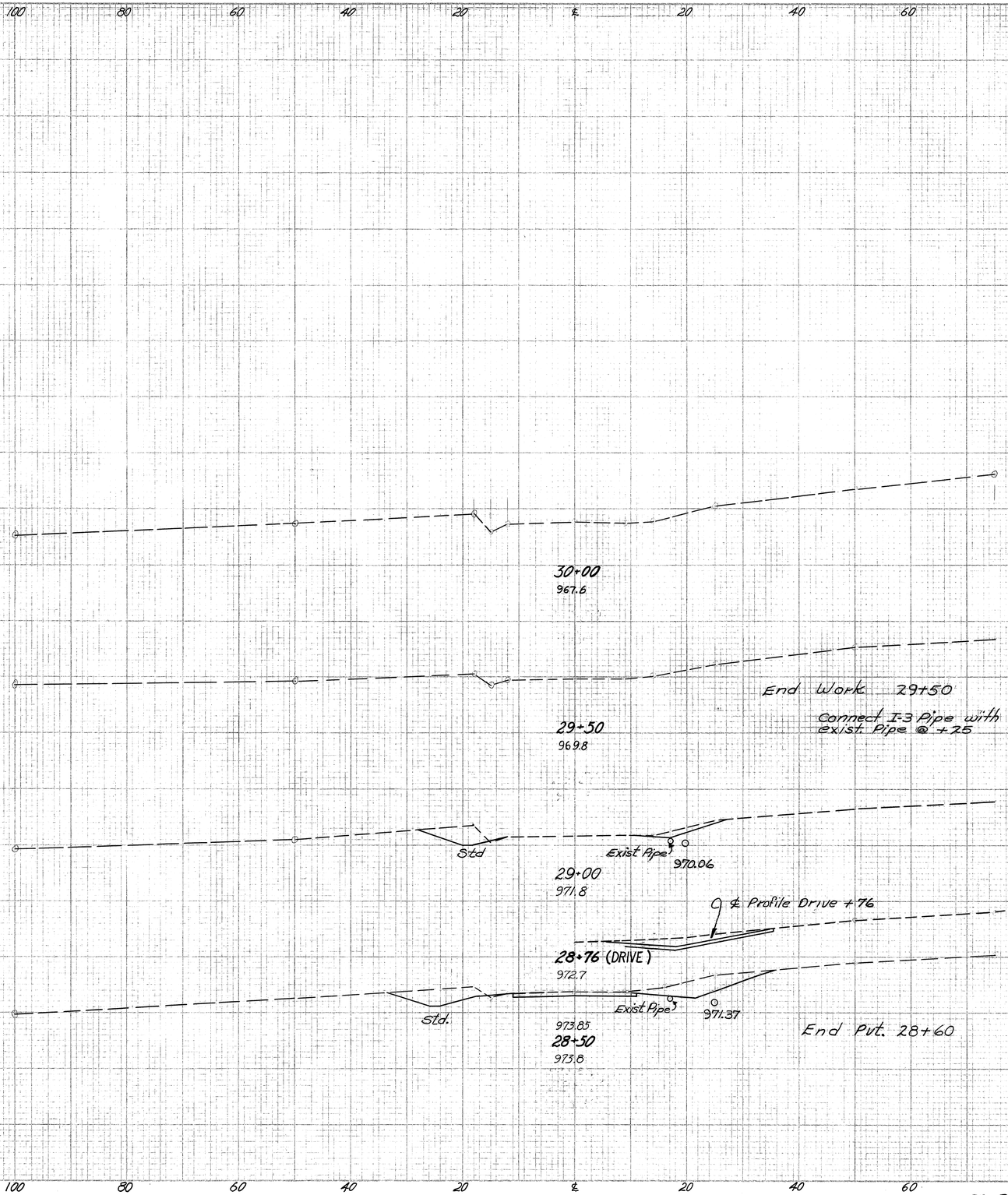
WAYNE COUNTY
WAY-3-9.94



	END AREA		CU. YDS.	
	CUT	FILL	CUT	FILL
29+50	0	0		
				31 1
	33	1		
			119	1
Drive 28+76			19	0
	95	0		
			160	0

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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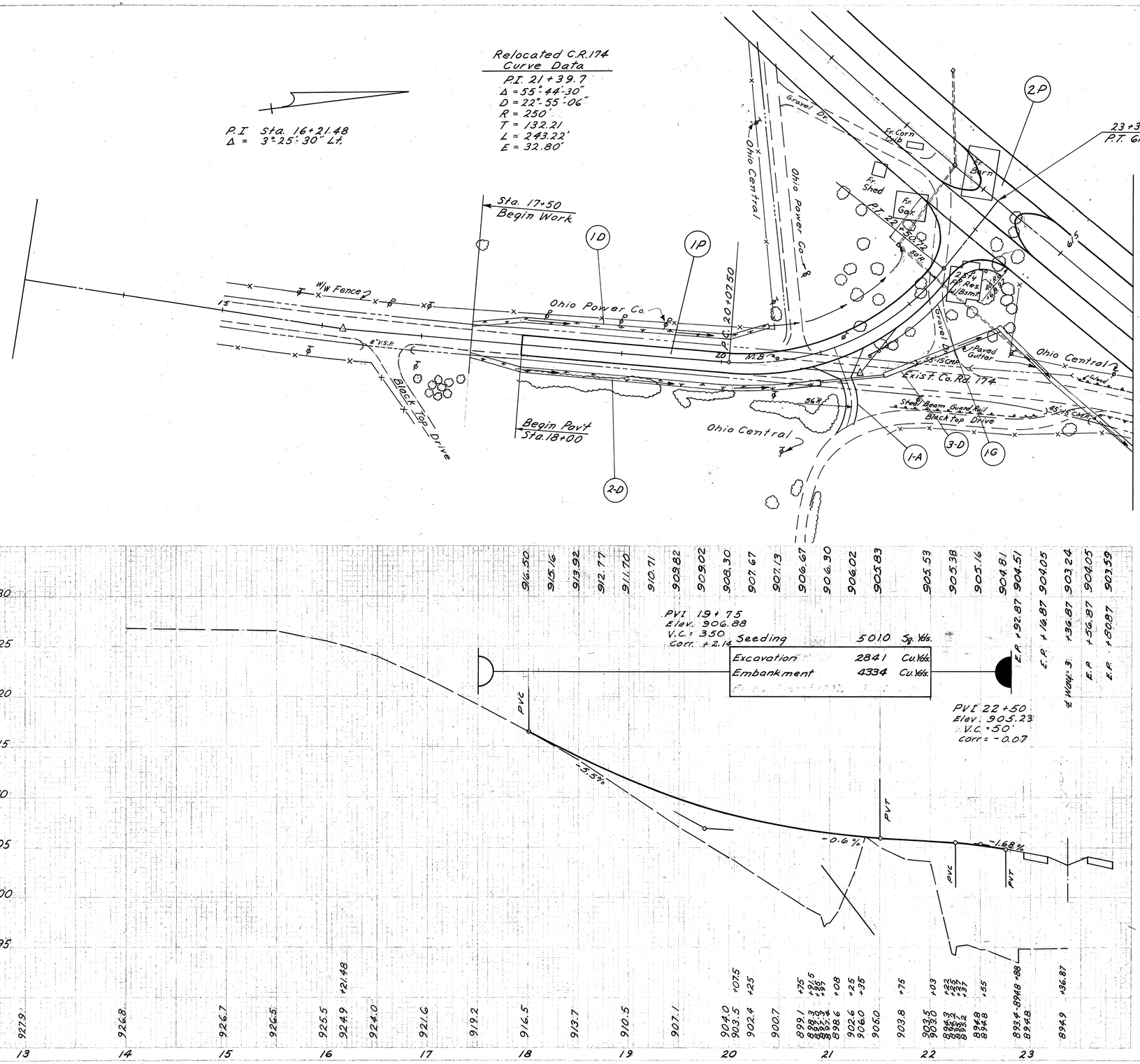
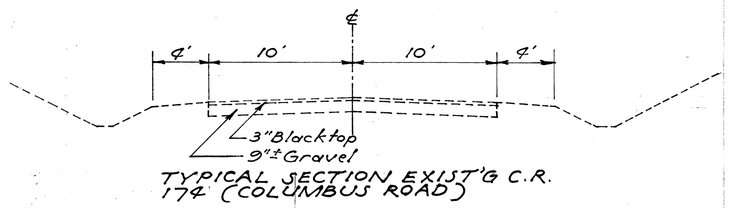
WAYNE COUNTY
WAY-3-9.94



Item No.	Station From	Station To	Side	L-10 Sodding Width	Lin.Ft.	Sq.Yds.	I-14 Paved Gutter Type I Lin. Ft.	I-15 Guard Rail Steel Beam Type (Deep) Lin. Ft.
1-D	17+50	20+50	Lt.	6		200		
2-D	17+50	20+92	Rt.	6		228		
3-D	21+45	22+40	Rt.	1.5		41	124	
1-G	21+38.9	22+52.9	Rt.				122.1	
		Totals				469	124	122.1

Item No.	Station From	Station To	Side	Length	B-19 Crushed Aggregate Base Course Cu. Yds. 5"	6"	T-35 Asphaltic Concrete Surface Course Cu.Yd. 2"	I-1 Pipe For Drives Lin. Ft. 15"
1-A	21+15		Rt.	80	22.10		8.39	64
		Totals			22.10		8.39	64

Item No.	Station From	Station To	Side	T-35 Asphaltic Conc. Surface Course 1¼ Type C Cu. Yd.	B-35 Asphaltic Conc. Leveling Course 1½ (110-85) Cu. Yd.	T-30 Bituminous Prime Coat .4 Gal/Sq. Yd. Gal.	B-19 Crushed Agg. Base Course 5" Cu. Yd.	I-22 Subbase Grading A or B 4" Cu. Yd.	I-9 Stone Underdrain No. 2 Lin. Ft.
1-P	18+00	22+92.87		41.27	49.53	475.5	172.64	143.40	122.00
2-P	23+16.87	23+56.87		10.73	12.88	123.6	42.01	31.91	
		Totals		52.00	62.41	599.1	214.65	175.31	122.00



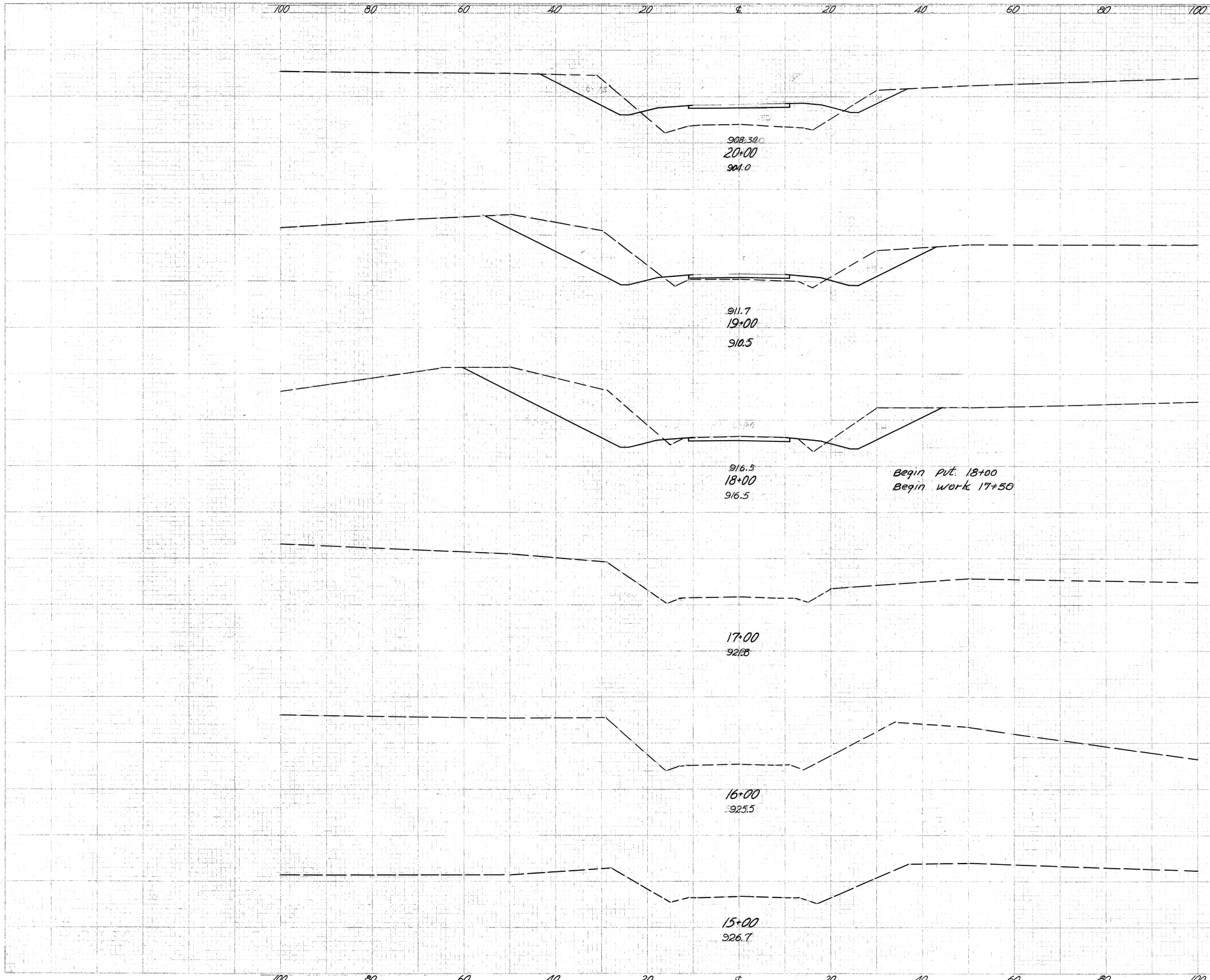
TYPICAL SECTION EXIST'G C.R. 174 (COLUMBUS ROAD)

Co. Rd. 174 Sta. 14+00 to Sta 22+92.87

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

121
151

WAYNE COUNTY
WAY-3-9.94



	END AREA CUT	END AREA FILL	CU. YARDS CUT	CU. YARDS FILL
	99	169		
			707	369
	283	30		
			1250	80
Ahead	392	13		
Back	372	13		
			345	12
17+50	0	0		

Co. Rd. 174 Sta. 15+00 To Sta. 20+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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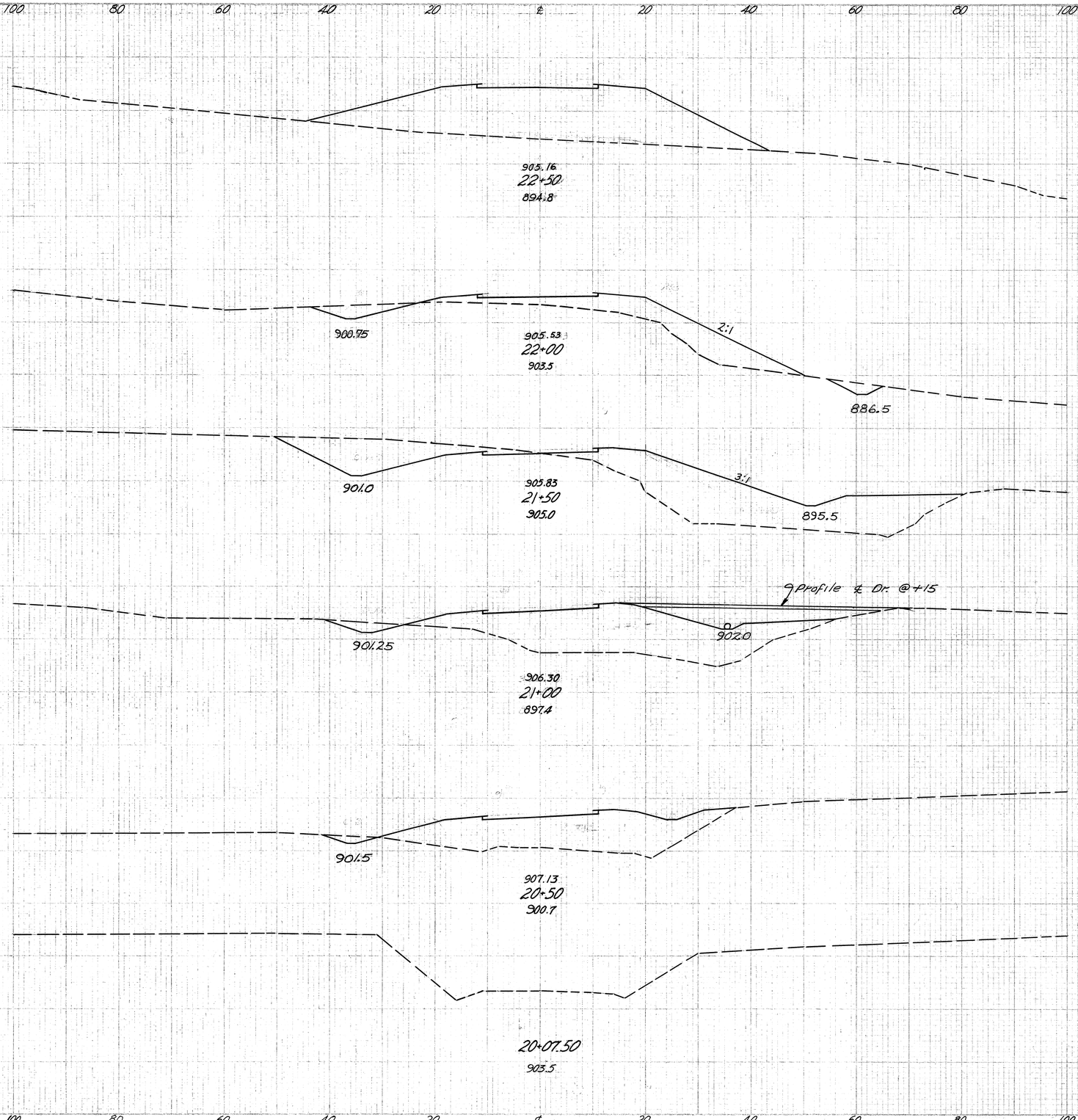
WAYNE COUNTY
WAY-3-9.94



	END AREA		CU. YARDS	
	CUT	FILL	CUT	FILL
22+80	0	0	0	13
22+75	0	136	0	365
22+50	0	651	43	791
	46	208		
			197	606
	167	451		
			172	852
Drive 21+15				75
	18	469		
			26	724
	10	313		
			101	447

CO. Rd 174 Sta. 20+07.50 To Sta. 22+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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151

WAYNE COUNTY
WAY-3-9.94

END AREA		CU. YARDS	
CUT	FILL	CUT	FILL

100 80 60 40 20 ℄ 20 40 60 80 100

23+36.87
894.9

23+00
894.8

100 80 60 40 20 ℄ 20 40 60 80 100

Co. Rd. 174 Sta. 23+00 To Sta. 23+36.87

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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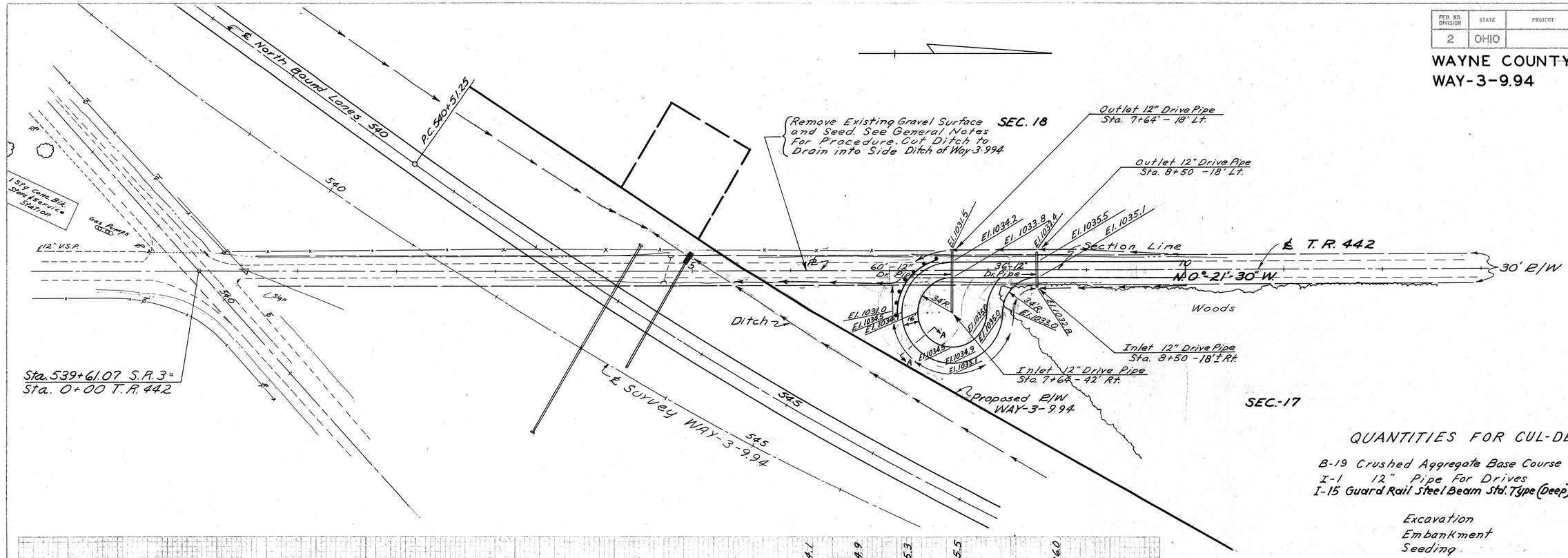
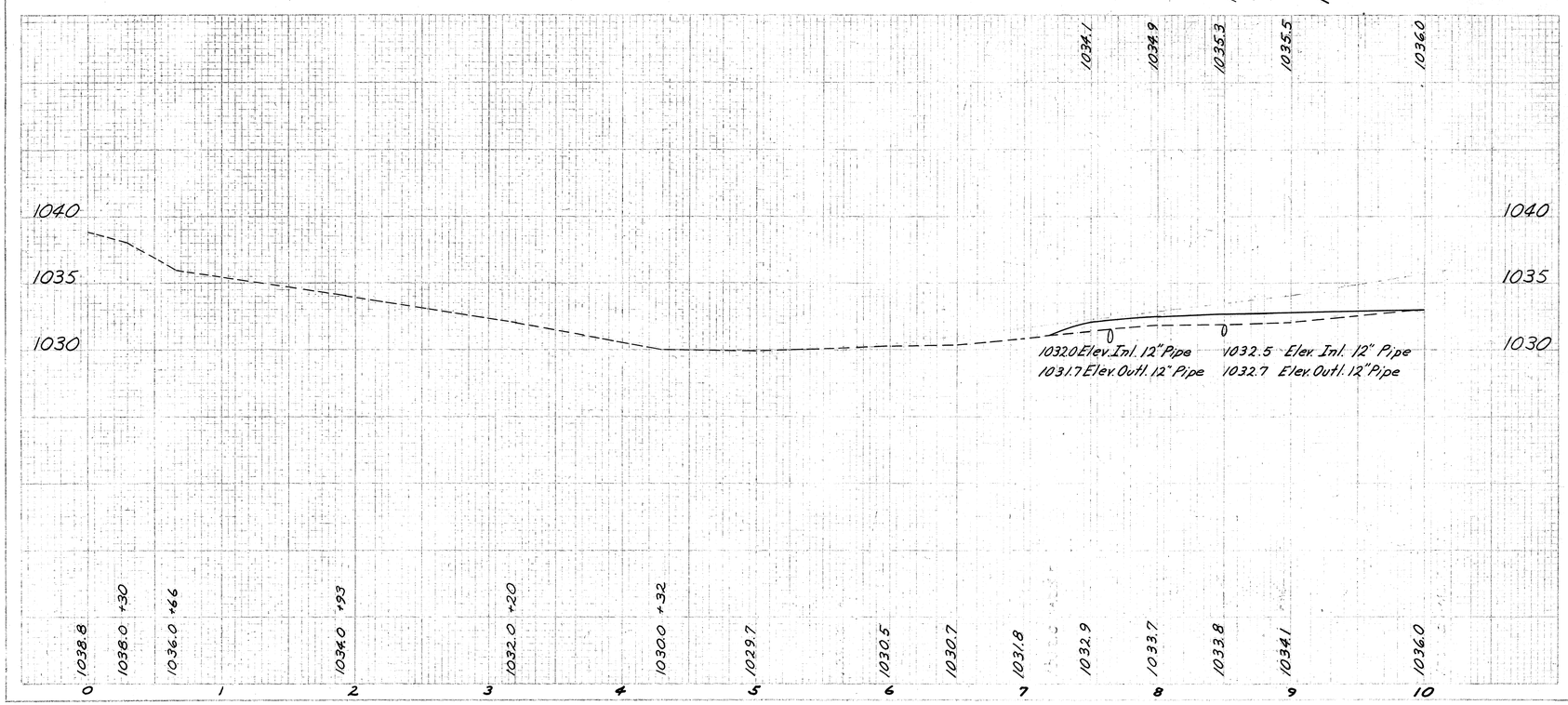
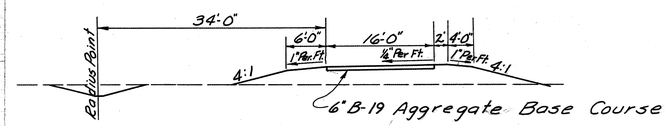
WAYNE COUNTY
WAY-3-9.94





QUANTITIES FOR CUL-DE-SAC

B-19 Crushed Aggregate Base Course	148.12 Cu. Yds.
I-1 12" Pipe For Drives	96.0 Lin. Ft.
I-15 Guard Rail Steel Beam Std. Type (Deep)	75.0 Lin. Ft.
Excavation	119 Cu. Yds.
Embankment	709 Cu. Yds.
Seeding	2,612 Sq. Yds.



SECTION A-A

Twp. R. 442 Sta. 0+00 To Sta. 10+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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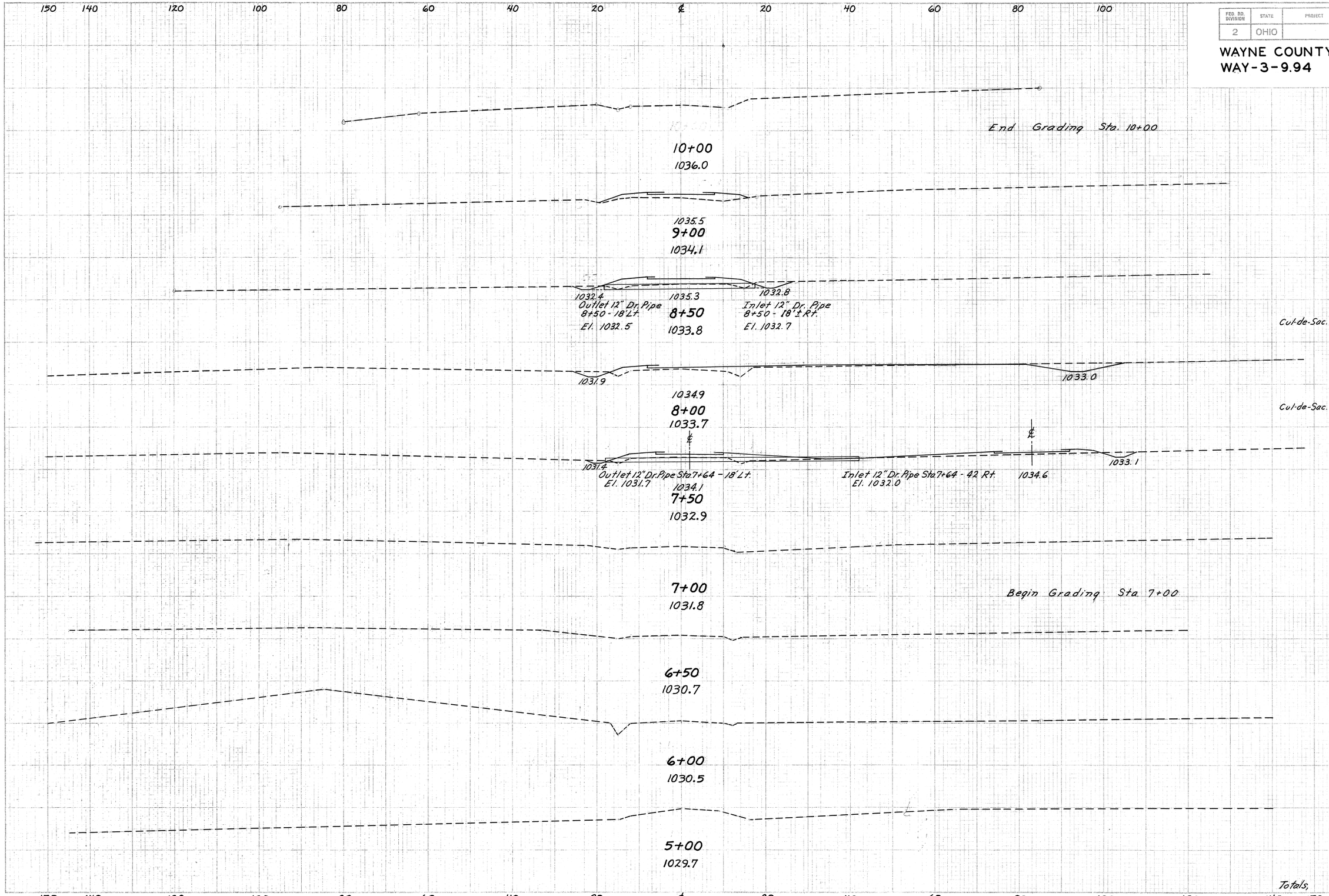
WAYNE COUNTY
WAY-3-9.94



End Area		Cu. Yards	
Cut	Fill	Cut	Fill
0	0		
		0	70
0	38		
		11	86
12	55		
		19	85
		35	115
8	36		
		10	86
		44	267
3	57		
		119	709

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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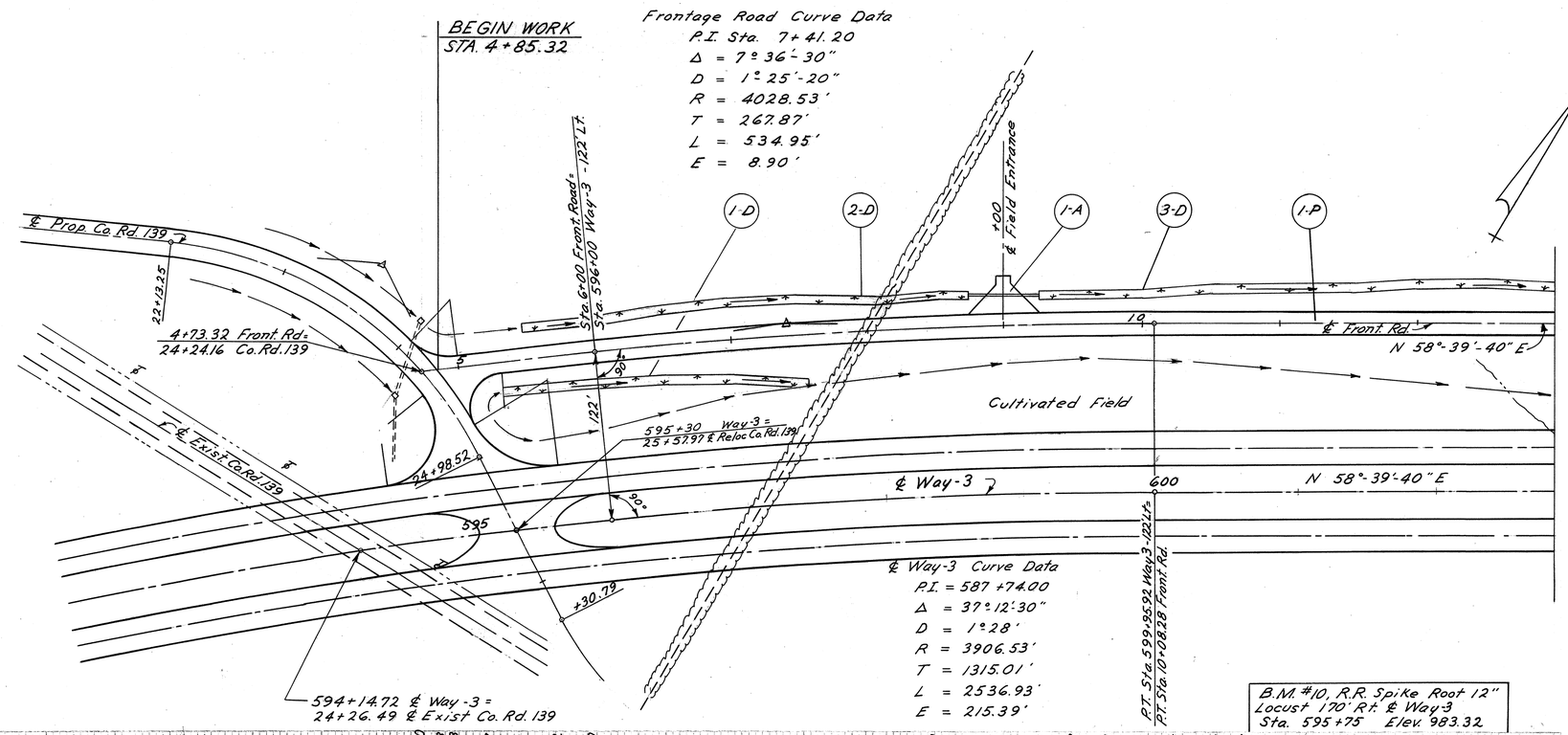
WAYNE COUNTY
WAY-3-9.94



Item No	Station From	Station To	Side	L-10 Sodding Width Lin.Ft.	L-10 Sodding Sq.Yds.	I-1 Pipe for Drives Lin. Ft. 12"	Length	B-19 Crushed Aggregate Base Course Cu. Yds. 5"	B-19 Crushed Aggregate Base Course Cu. Yds. 6"
1-D	5+30	7+50	Rt.	6	147				
2-D	5+50	8+75	Lt.	6	217				
3-D	9+27	13+00	Lt.	6	249				
1-A	9+00		Lt.			52	25		1260
		Totals			613	52			12.60

Item No.	Station From	Station To	Side	T-35 Asphaltic Conc. Surface Course 1½" Type A Cu. Yd.	T-30 Bituminous Prime Coat .46 al/Sq.Yd. Gal.	B-19 Crushed Agg. Base Course 5" Cu. Yds.	I-22 Subbase Grading A or B 4" Cu. Yd.	I-9 Stone Underdrains No. 2 Lin. Ft.
1-P	4+85.32	20+20		115.96	1113.13	409.81	346.48	325.0
		Totals		115.96	1113.13	409.81	346.48	325.00

FRONTAGE ROAD STA. 4+73.33 TO STA. 13+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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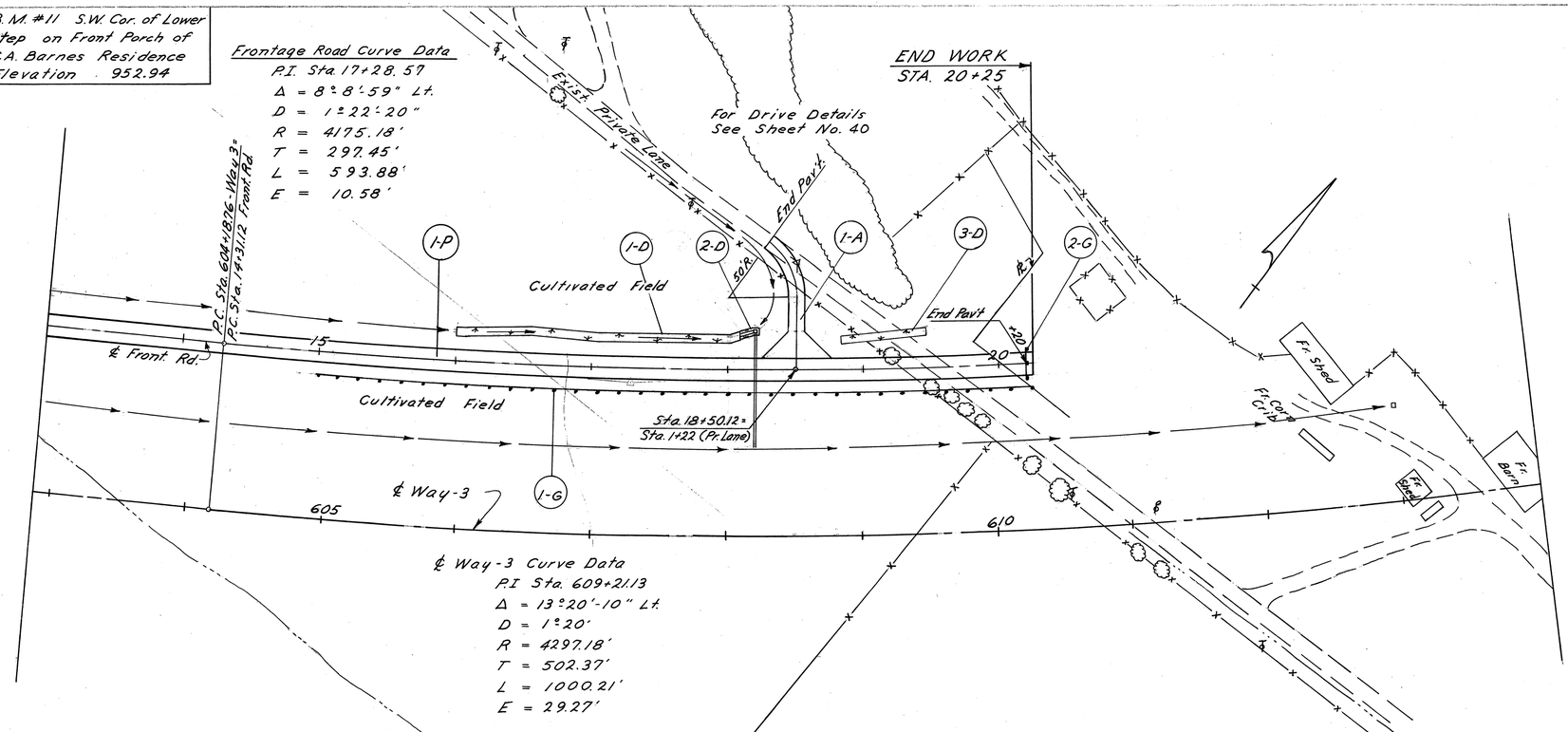
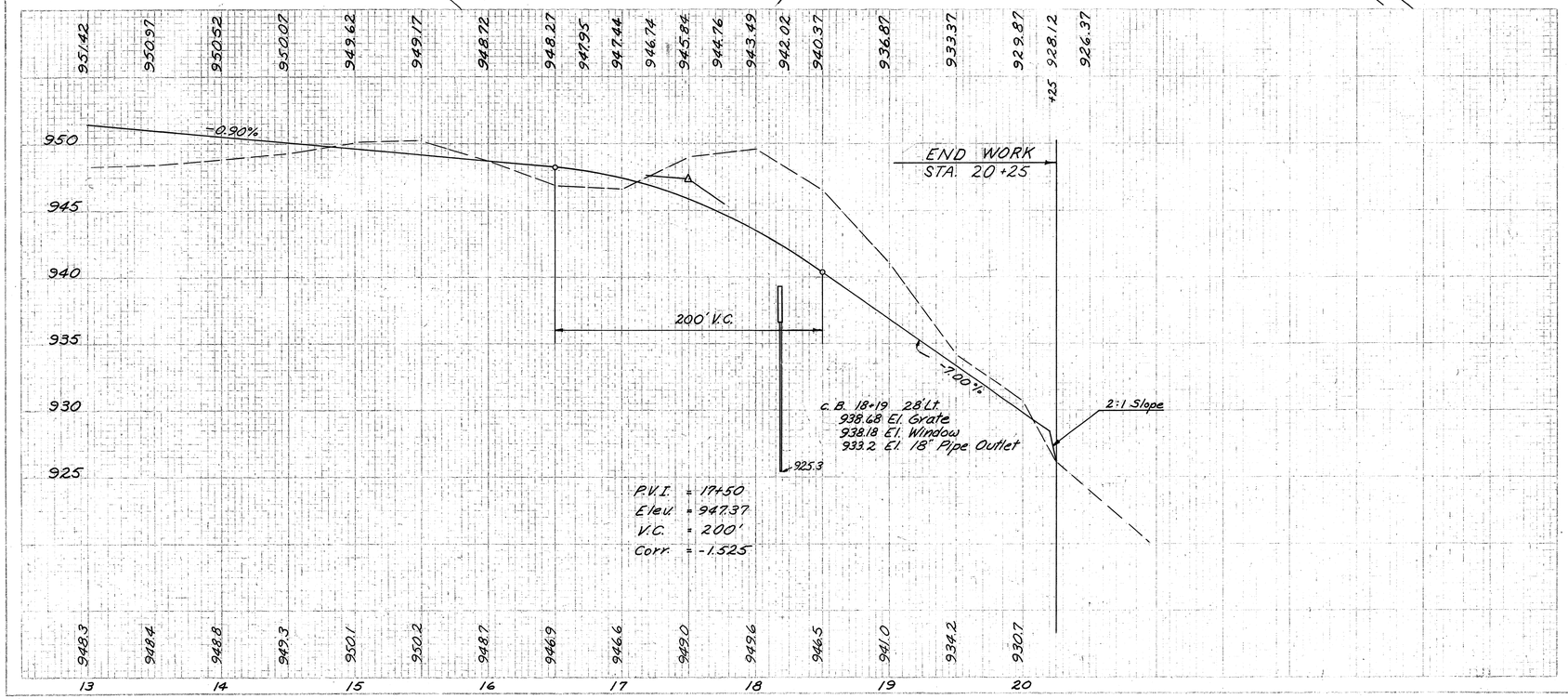
WAYNE COUNTY
WAY-3-9.94

B. M. #11 S.W. Cor. of Lower Step on Front Porch of C.A. Barnes Residence Elevation 952.94

Frontage Road Curve Data
P.I. Sta. 17+28.59
Δ = 8°8'-59" Lt.
D = 1°22'-20"
R = 4175.18'
T = 297.45'
L = 593.88'
E = 10.58'





Item No.	Station From	Station To	Side	L-10 Sodding Width Lin. Ft.	L-10 Sodding Sq. Yds.	I-14 Paved Gutter Special Lin. Ft.	I-8 No. 2-2A Catch Basin Each	I-2 Class A Storm Sewer Under Pav't. Lin. Ft. 18"	I-15 Guard Rail Lin. Ft.	I-15 Guard Rail Steel Beam (Deep) Lin. Ft.	S-1 Concrete For Structure Class "E" Cu. Yds.
1-D	16+00	18+07	Lt.	6	138						
2-D	18+19			1.5	6	10	1	82			0.3
3-D	18+80	19+50	Lt.	6	47						
1-G	14+94	20+20.1	Rt.						528		
2-G	20+20									25	
		Totals			191	10	1	82	528	25	0.3

Item No.	Station From	Station To	Side	Length Lin. Ft.	B-19 Crushed Aggregate Base Course 5" Cu. Yds.	T-35 Asphaltic Conc. Surface Course 2" Cu. Yds.
1-A	18+50.12		Lt.	91.90	24.37	9.23
		Totals			24.37	9.23

For Pavement Quantities, See Sheet No. 126

FRONTAGE ROAD STA. 13+00 TO STA. 20+25

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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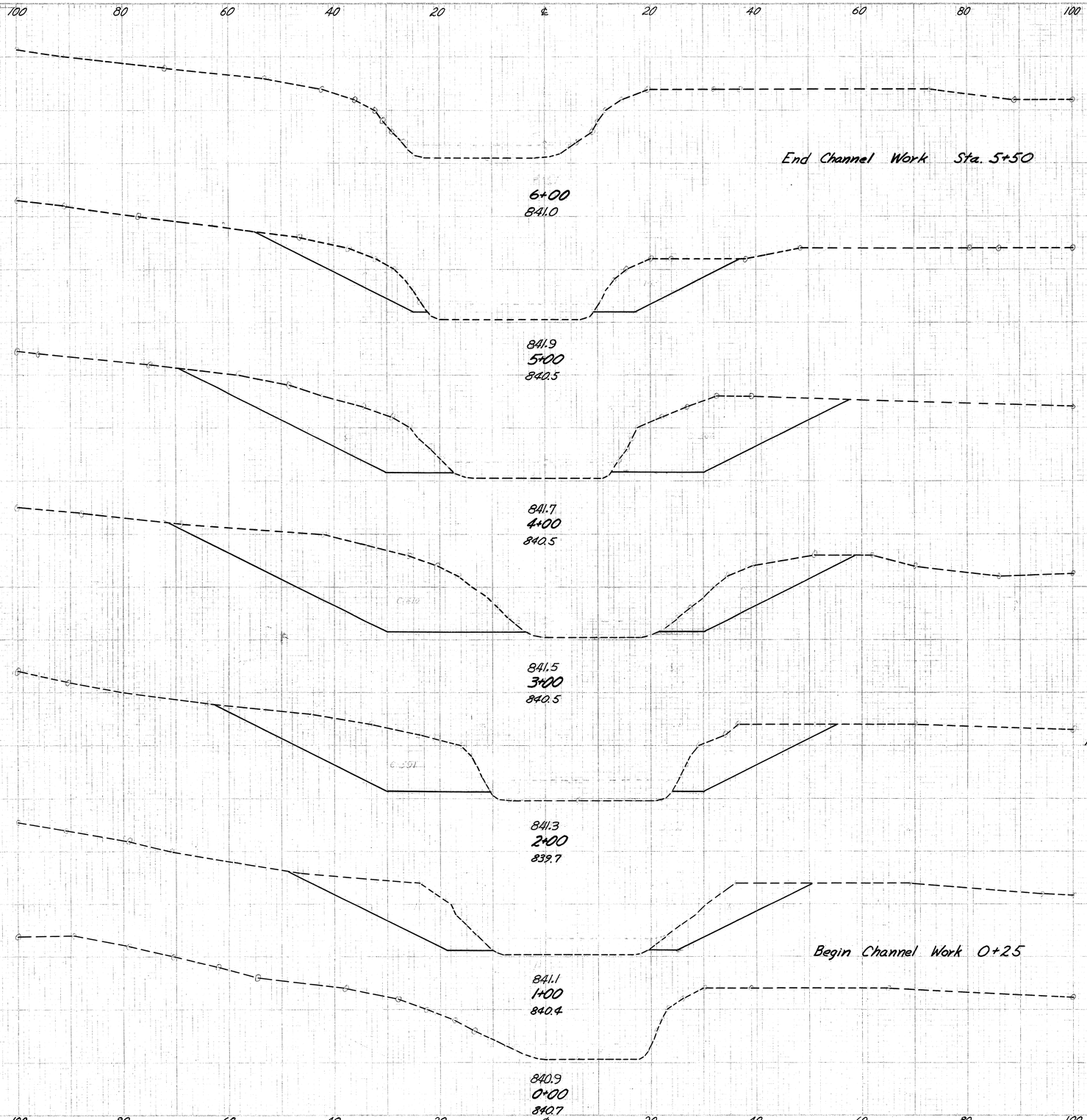
WAYNE COUNTY
WAY-3-9.94



Note: If Rock is encountered in Channel Excavation as shown, excavate to the Surface of the Rock only.

Total Channel Excavation = 9,586 Cu.Yd.

END AREA		CU. YARDS	
CUT	FILL	CUT	FILL
0	0		
		265	0
286	0		
		1822	0
698	0		
		2771	0
798	0		
		2537	0
572	0		
		1706	0
349	0		
		485	0
0	0		
Totals		9586	0

KILLBUCK CREEK X-SECTS Sta. 0+00 To Sta. 6+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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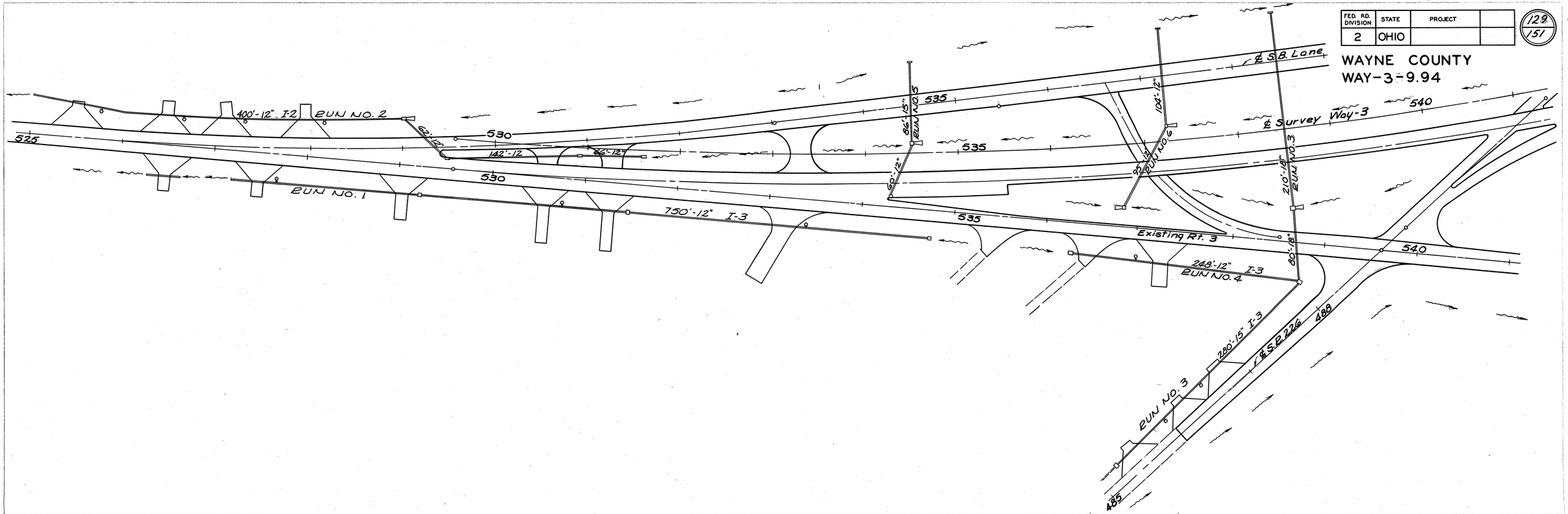
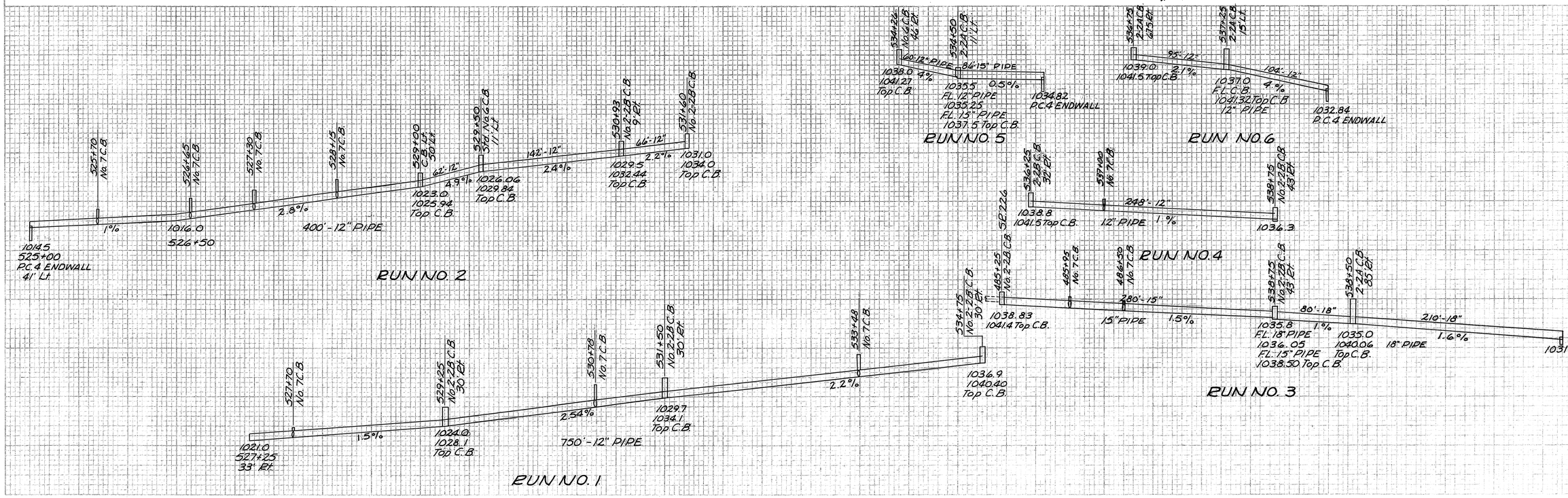
WAYNE COUNTY
WAY-3-9.94





STORM SEWER DETAILS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
WAY-3-9.94

ESTIMATED QUANTITIES

E-2	Excavation for Structures	193 Cu Yds.
E-3	Channel Excavation	306 Cu Yds.
L-10	Sodding	58 Sq. Yds.
S-1	Concrete for Structures, Class "E"	21.03 Cu Yds.
S-28	15'-6" x 9'-5" Pipe Arch for Roadway Culverts Sec. M-6.4(g) 5-3 Ga.	140.0 L.F.

CULVERT DATA

TYPE: Corrugated Sectional Plate Pipe Arch Culvert, Standard Drawing S.P.53
SIZE: 140' - Span 15'-6" Rise 9'-5" Section M-6.4 (g)
WORK REQUIRED: Construct Culvert & Endwalls as Shown

Channel Detail - Section A-A

Begin Channel Excav.
71 sq. ft. / 35 sq. ft.
F/L Elev. 847.9
Bedding Elev. 845.9
0+70 Lt. 850.7
Bedding & Endwall 64 C.Y.
Channel 98 C.Y.

44 sq. ft. / 35 sq. ft.
F/L Elev. 847.8
Bedding Elev. 845.8
0+24 Lt. 849.8
Struct. 16 C.Y.
Channel 26 C.Y.

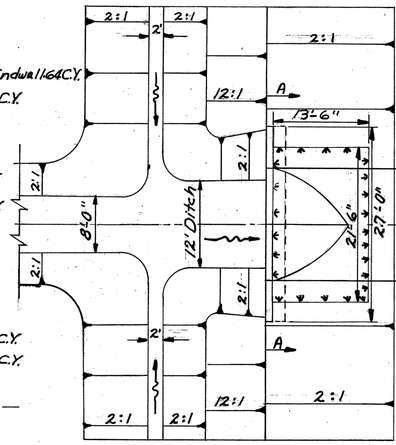
97 sq. ft. / 35 sq. ft.
F/L Elev. 847.8
Bedding Elev. 845.8
0+12 Lt. 855.3
Struct. 29 C.Y.
Channel 80 C.Y.

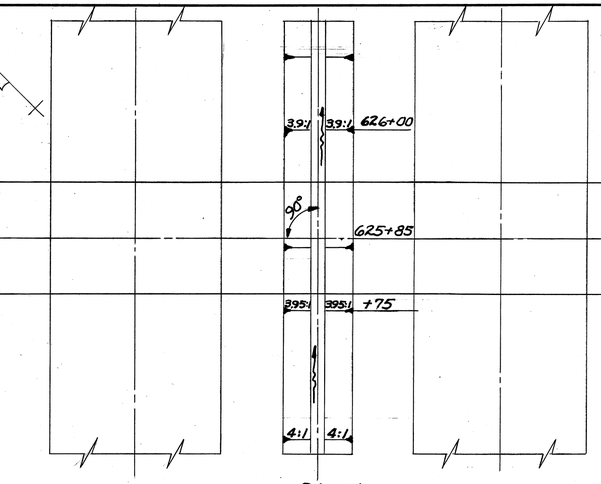
100 sq. ft. / 35 sq. ft.
F/L Elev. 847.7
Bedding Elev. 845.7
0+10 Rt. 855.4
Struct. 13 C.Y.
Channel 21 C.Y.

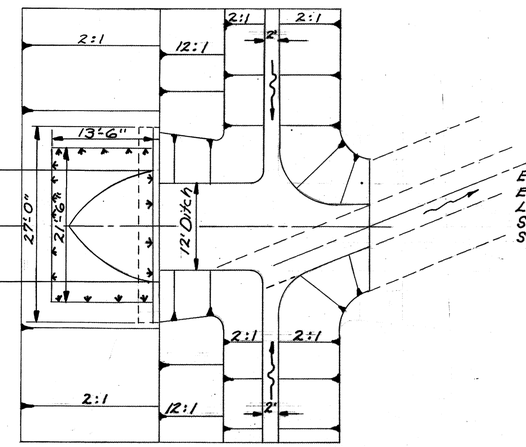
29 sq. ft. / 35 sq. ft.
F/L Elev. 847.6
Bedding Elev. 845.6
0+20 Rt. 849.0
Struct. 66 C.Y.
Channel 81 C.Y.

End Channel Excav.
57 sq. ft. / 35 sq. ft.
F/L Elev. 847.6
Bedding Elev. 845.6
0+71 Rt. 850.2
Endwall 5.0 C.Y.
Total Struct Exc. = 193 C.Y.
Total Channel Exc. = 306 C.Y.

Scale 1"=10'



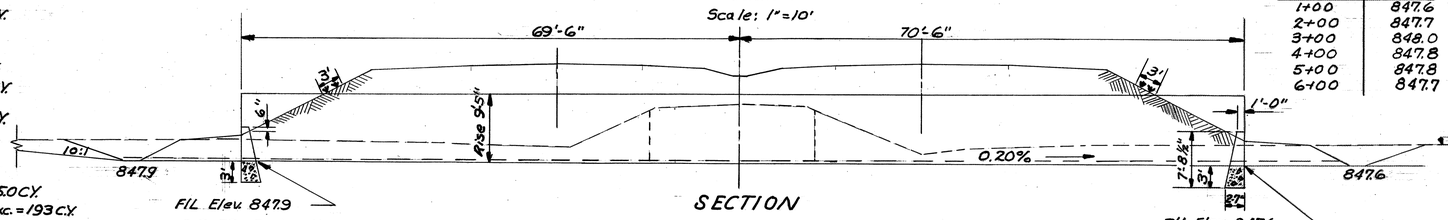




EXIST. DITCH PROFILE

Dist. Rt.	Elev.
1+00	847.6
2+00	847.7
3+00	848.0
4+00	847.8
5+00	847.8
6+00	847.7

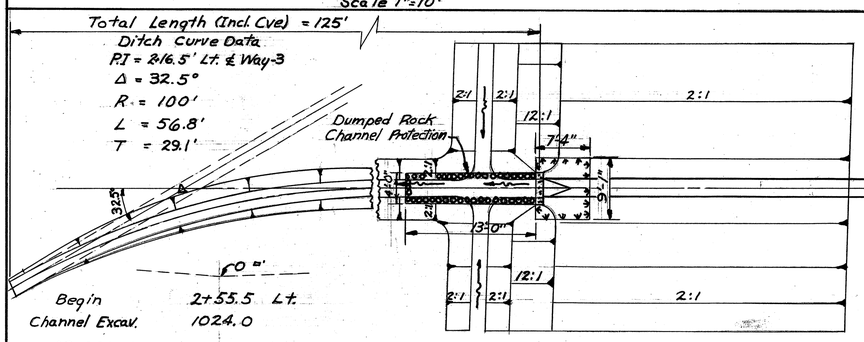
PLAN
Scale: 1"=10'



SECTION
Scale: 1"=10'

STRUCTURE NO. Way-3-1185

Total Length (Incl. Cve) = 125'
Ditch Curve Data
P.I. = 2+16.5' Lt. & Way-3
Δ = 32.5°
R = 100'
L = 56.8'
T = 29.1'



Begin Channel Excav. 42 C.Y.
2+55.5 Lt.
1024.0
18" Lt. / 13" Rt.
F/L Elev. = 1025.6
Bedding Elev. = 1024.8
1+30.5 Lt. 1027.7

End Channel Excav. 2 C.Y.
14"
F/L Elev. = 1027.1
Bedding Elev. = 1026.3
0+00 1029.3
13" Rt. / 11" Lt.
F/L Elev. = 1028.2
Bedding Elev. = 1027.4
0+97.5 Rt. 1029.9

End Channel Excav. 2 C.Y.
60"
1+04 Rt.
1028.3

Total Channel Excav. = 44 C.Y.

Begin Struct. Excav. 650 C.Y.
Endwall = 0.6 C.Y.

End Struct. Excav. 45.3 C.Y.
Endwall 0.6 C.Y.
1025.4

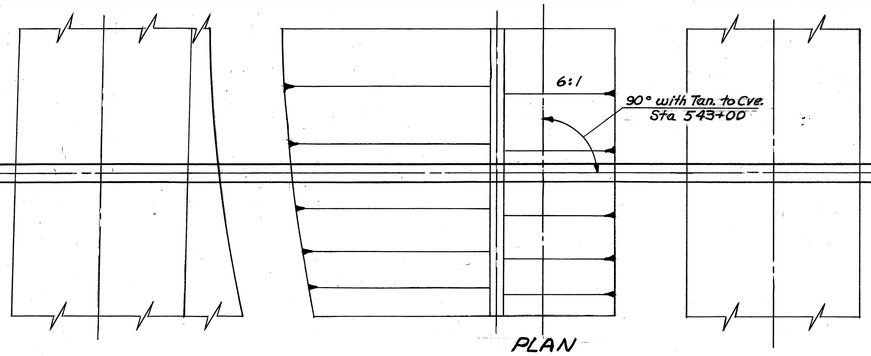
Dumped Rock Channel Protection
Total Struct. Excav. = 112 C.Y.

F/L Elev. 1025.5
S-27 P.C. 4 Endwall

Scale 1"=10'

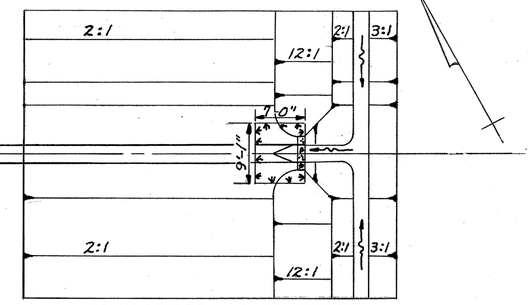
CULVERT DATA

TYPE: Pipe Culvert, Standard Drawing S-27, P.C. 3 & S-27 P.C. 4
SIZE: 30" x 228' Section M-6.6 (c)
WORK REQUIRED: Construct Culvert & Endwalls As Shown



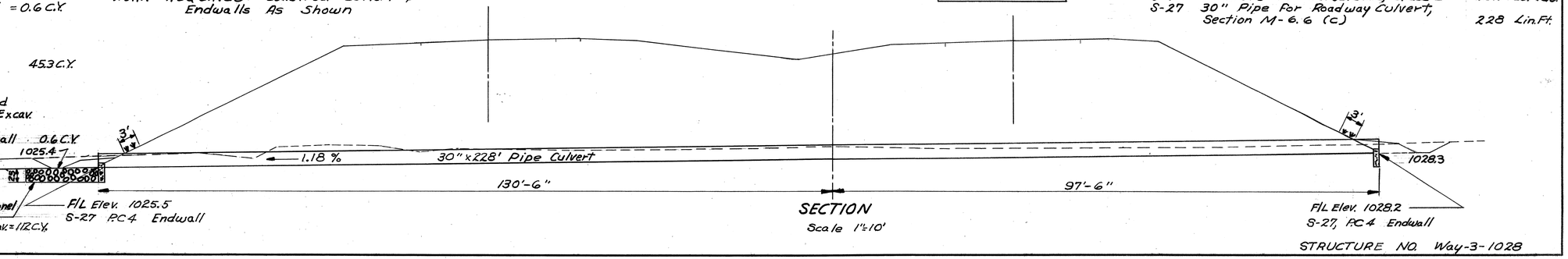
PLAN
Scale 1"=10'

Area = 2.1 Ac.
Q25 = 39 c.f.s.



ESTIMATED QUANTITIES

E-2	Excavation for Structures	112 Cu. Yds.
E-3	Channel Excavation	44 Cu. Yds.
I-10	Dumped Rock Channel Protection	5 Cu. Yds.
L-10	Sodding	15 Sq. Yds.
S-1	Concrete for Structures, Class "E"	1.02 Cu. Yds.
S-27	30" Pipe for Roadway Culvert, Section M-6.6 (c)	228 Lin. Ft.



SECTION
Scale 1"=10'

STRUCTURE NO. Way-3-1028

STR. NO. WAY-3-1028 & WAY-3-1185

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

(13) / (15)

WAYNE COUNTY
WAY-3-9.94

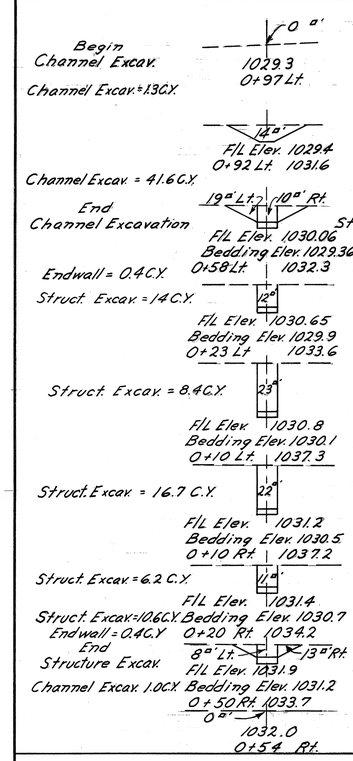
ESTIMATED QUANTITIES

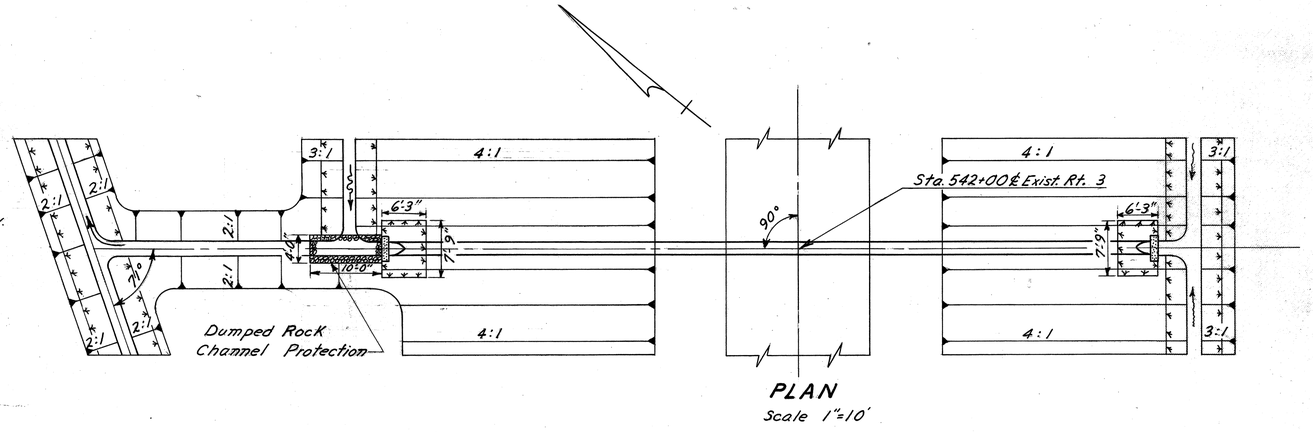
E-2	Excavation for Structures	57.0 Cu.Yds.
E-3	Channel Excavation	44.0 Cu.Yds.
I-10	Dumped Rock Channel Protection	4.0 Cu. Yds.
L-10	Sodding	11.0 Sq. Yds.
S-1	Concrete for Structures, Class "E"	0.72 Cu. Yds.
S-27	21" Pipe for Roadway Culvert, Sec. M-6.6 (b) or Sec. M-6-8(b)	108 Lin. Ft.

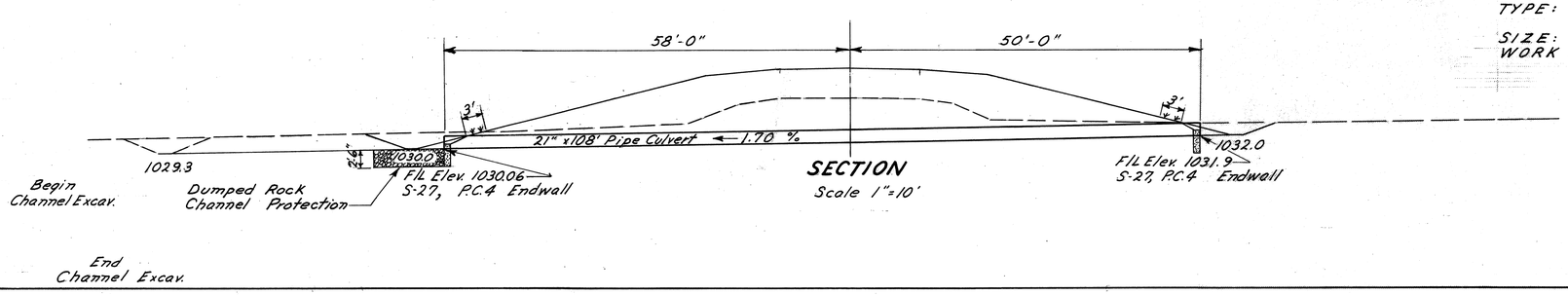
Area = 13 Ac.
Q 25 = 20 c.f.s.

CULVERT DATA

TYPE: Pipe Culvert, Standard Drawing S-27, P.C. 4 Endwall
SIZE: 21" x 108' Section M-6.6 (b) or 6.8(b)
WORK REQUIRED: Construct Culvert & Endwalls as Shown.

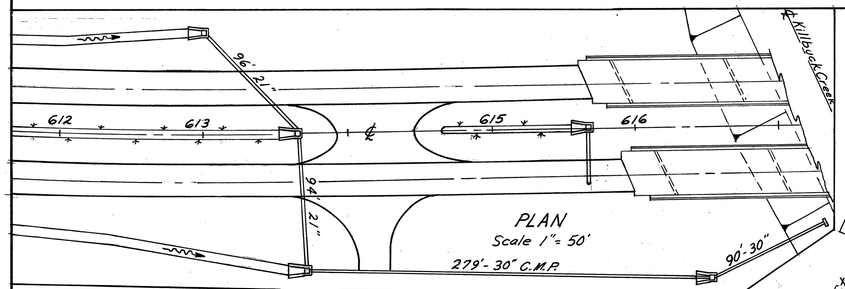


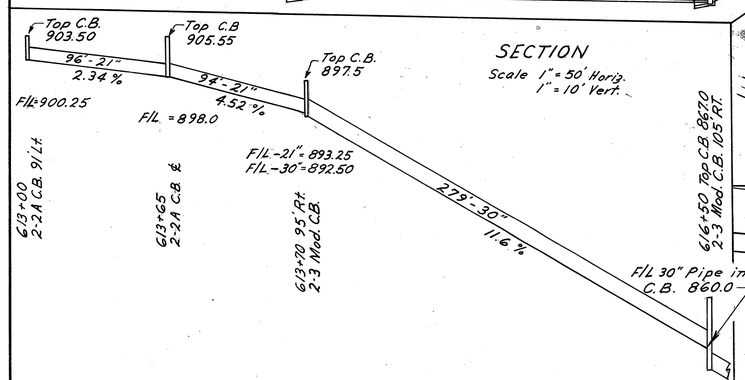


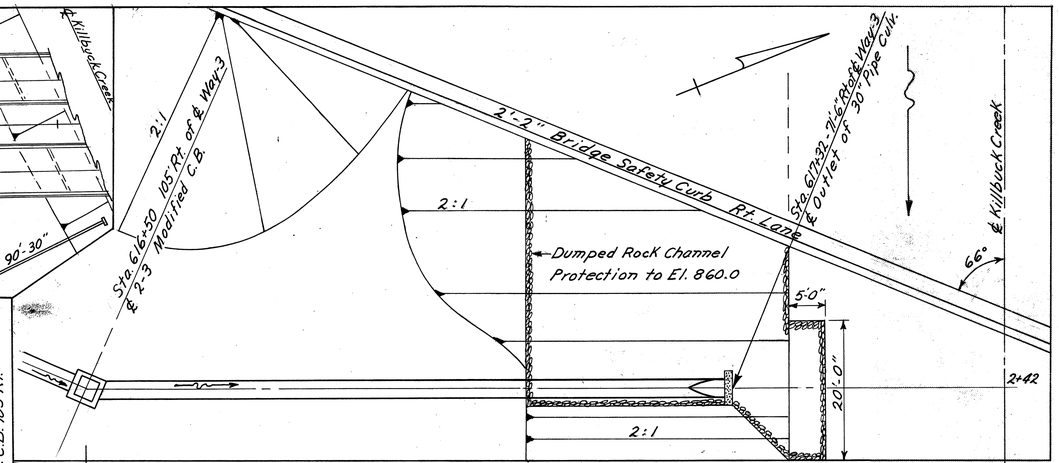


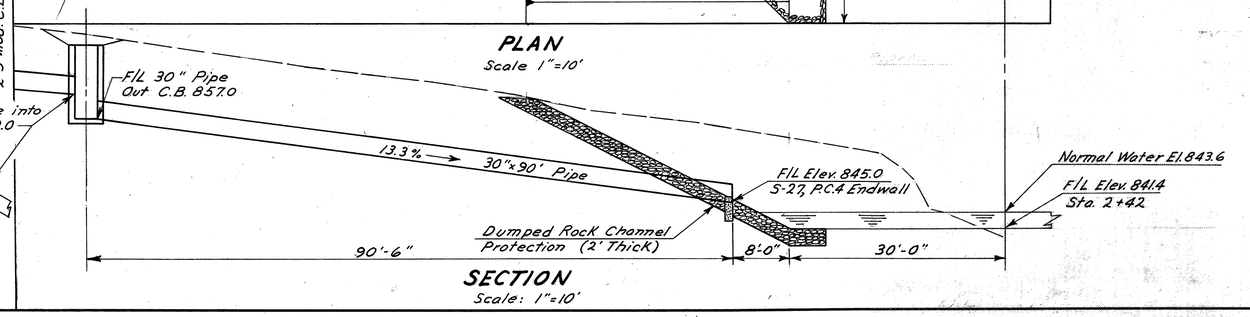
NOTE: Estimated Quantities Shown on Sheet No. 33 & 34.

Exist. SR-3-1027









30" PIPE OUTLET STA. 617+32

30" PIPE OUTLET STA. 617+32 & STR. NO. EXIST. SR-3-1027

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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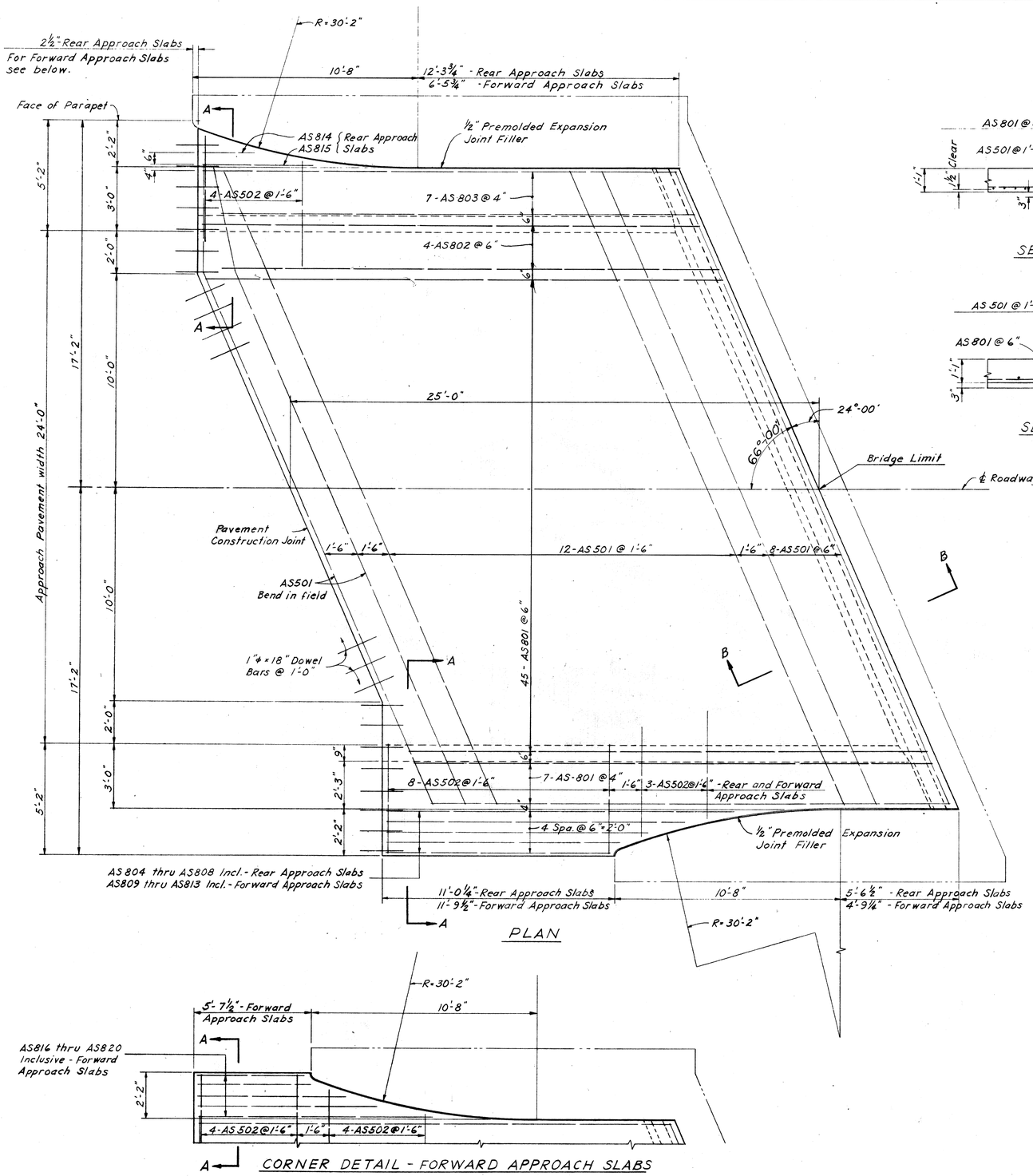
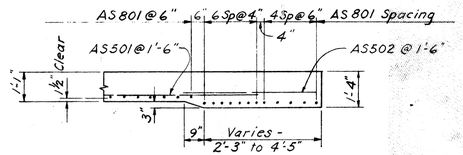
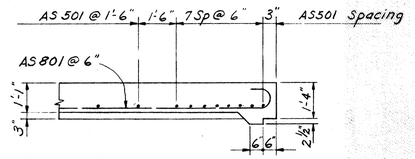
WAYNE COUNTY
WAY-3-9.94

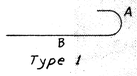




SECTION A-A



SECTION B-B



Type 1

STEEL LIST

Mark	No.	Length	Type	A	B	Weight
AS501	88	32'-3"	Str.			2960
AS502	68	5'-0"	Str.			355
AS801	208	25'-4"	1	10"	24'-6"	14,069
AS802	16	24'-4"	1	10"	23'-6"	1040
AS803	28	23'-2"	1	10"	22'-4"	1732
AS804	2	16'-4"	Str.			87
AS805	2	14'-0"	Str.			75
AS806	2	12'-3"	Str.			65
AS807	2	11'-0"	Str.			59
AS808	2	10'-4"	Str.			56
AS809	2	14'-7"	Str.			93
AS810	2	14'-8"	Str.			78
AS811	2	13'-2"	Str.			70
AS812	2	11'-8"	Str.			62
AS813	2	11'-3"	Str.			60
AS814	2	5'-2"	Str.			28
AS815	2	2'-5"	Str.			13
AS816	2	11'-0"	Str.			59
AS817	2	8'-5"	Str.			45
AS818	2	6'-11"	Str.			37
AS819	2	5'-3"	Str.			28
AS820	2	4'-11"	Str.			26

Total Weight 21,097 lbs.

NOTE:

Refer to Standard Drawing AS-1-54, dated 7-1-54, revised 12-1-54 for typical sections and details of Approach Slabs. Standard to be modified as nessary to accomodate reinforcing plan as shown.

Concrete shall be Class "C".

Steel List quantities shown are for four approach slabs.

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APPROACH SLABS

BRIDGE No. WAY-3-1166 L & R
OVER KILLBUCK CREEK

WAYNE COUNTY S.R. 3
STA. 616 + 04.30 TO STA. 618 + 61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RAK	RAK	Bob	ERV			

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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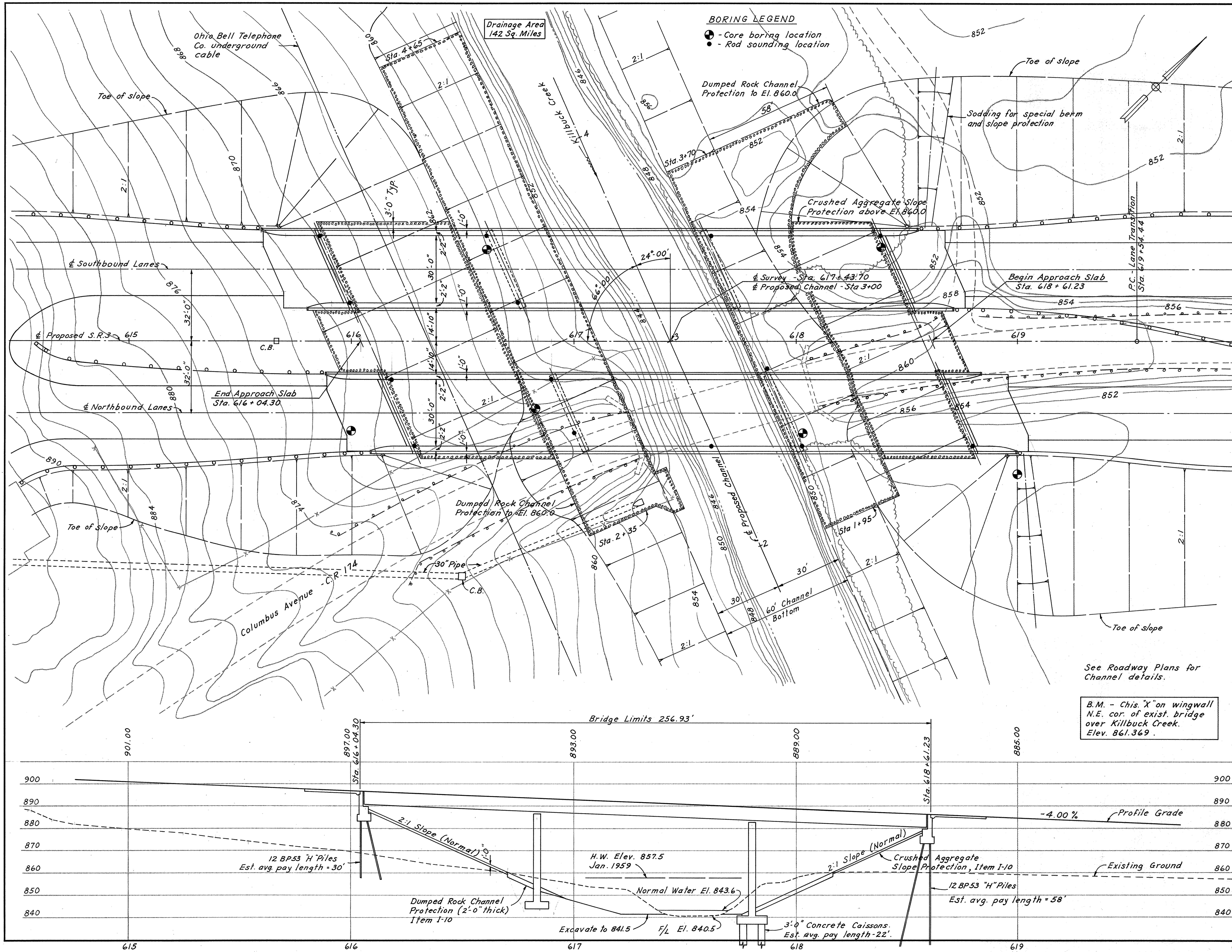
WAYNE COUNTY
WAY-3-9.94



See Roadway Plans for Channel details.

B.M. - Chis. "X" on wingwall N.E. cor. of exist. bridge over Killbuck Creek. Elev. 861.369.

FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of rod soundings and soil-sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus, or in the Division office, but the State assumes no responsibility for the accuracy thereof.

EXISTING STRUCTURE

TYPE: Single-span steel girder with 4" treated T&G plank deck.
SPAN: 80'-0" clear, 82'-8" total length
WIDTH: 20'
WEARING SURFACE: Bituminous
ALIGNMENT: Bridge straight, roadway curved
SKEW: 0°
CONDITION: good

PROPOSED STRUCTURE

TYPE: Twin continuous steel girder with reinf. concrete deck and substructure
SPANS: 77'-6" – 97'-0" – 77'-6"
ROADWAY: 30'-0" between 2'-2" safety curbs
LOAD FREQUENCY: CF 400 (57)
WEARING SURFACE: 1" monolithic concrete
APPROACH SLABS: AS-1-54 (25' long)
ALIGNMENT: Tangent
SKEW: 24°-00' RF
AVERAGE DAILY TRAFFIC: 7875 (1980)

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CONSULTING ENGINEERS
MANSFIELD, OHIO

SITE PLAN
BRIDGE No. WAY-3-1166 L&R OVER KILLBUCK CREEK

WAYNE COUNTY S.R. 3
STA. 616+04.30 TO STA. 618+61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RAK	RAK	RAK				

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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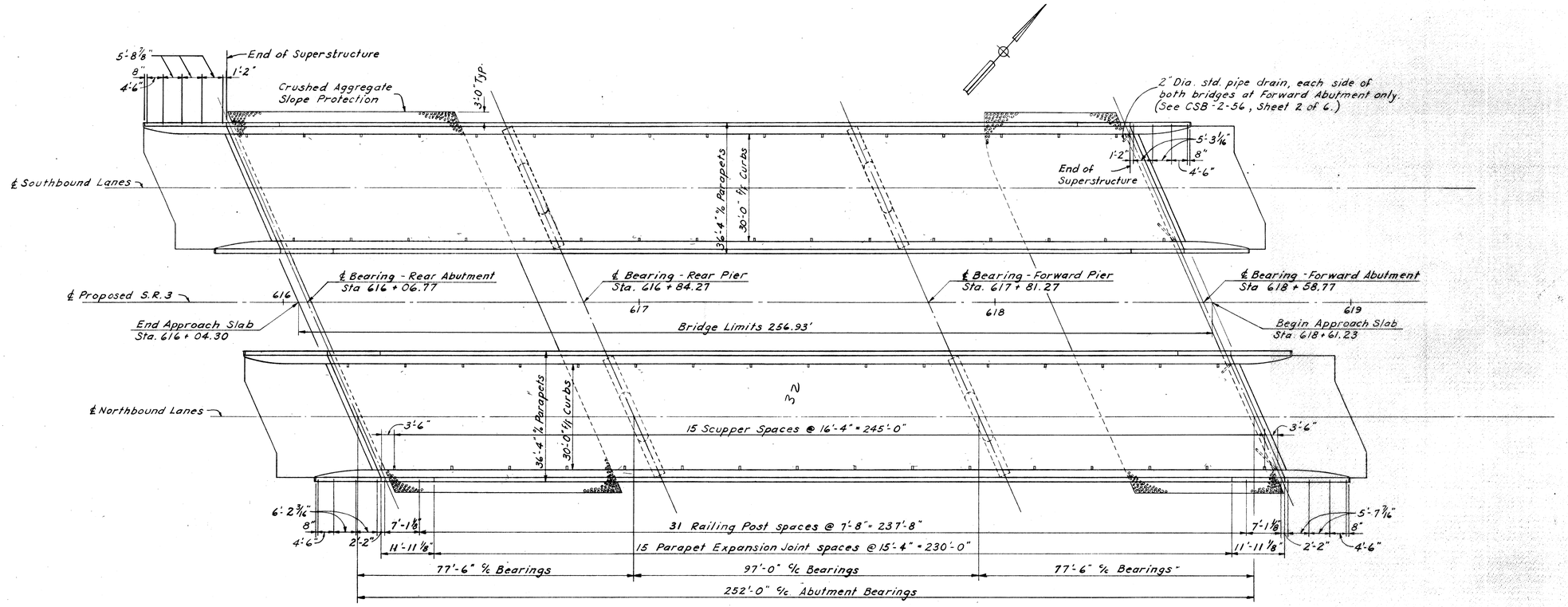
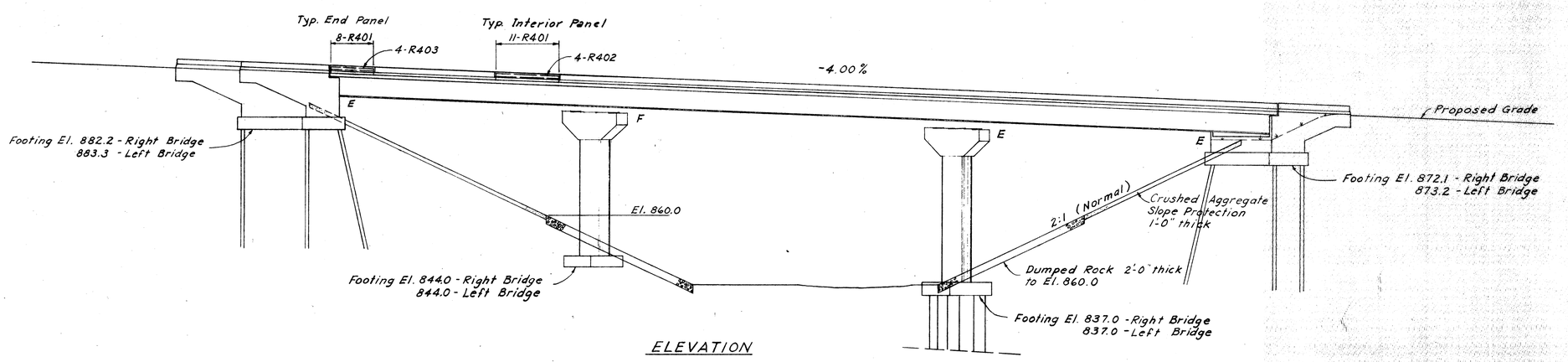
WAYNE COUNTY
WAY-3-9.94



PLAN



ELEVATION

NOTES:

PILES shall be driven to firm contact with bedrock using a pile hammer having an energy rating of not less than 15,000 ft. lbs. At the Contractor's option and expense, he may prebore through the embankments to obtain contact with bedrock. The design load for each pile is 30 tons.

GENERAL NOTES: See Sheet 135.

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GENERAL PLAN

BRIDGE No. WAY-3-1166 L & R
OVER KILLBUCK CREEK

WAYNE COUNTY S.R. 3
STA. 616 + 04.30 TO STA. 618 + 61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RAK	RAK	Bob	J.W.C.			

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
WAY-3-9.94

GENERAL NOTES

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio Department of Highways, dated 9-1-57 with revision date 2-21-58.

REFERENCE shall be made to Standard Drawing AS-1-54 (revised 12-1-54), AR-1-57 (revised 2-2-59), RB-1-55 (revised 2-2-59), CSB-2-56, sheets 1, 2 and 3 of 6 (revised 2-2-59) and to Supplemental Specifications S-101 dated 12-2-59 and S-307 dated 8-23-60.

EXCAVATION QUANTITY includes the removal of fill material between the surface of the proposed embankment and the bottom of the footings.

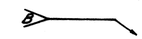
DRILLED CAISSONS shall penetrate 7 feet into bedrock or to the elevation shown, whichever is lower.

REAR PIER FOOTINGS shall extend a minimum of 2 ft. 6 inches into firm rock or to the elevation shown, whichever is lower.

REMOVAL OF EXISTING STRUCTURE:
When no longer needed to maintain traffic, the existing structure shall be removed and shall become the property of the contractor.

CONCRETE DECK PLACING: In order to facilitate water curing of the concrete of the deck slab, the placing of concrete shall progress upgrade. The slab may be placed in sections, between transverse construction joints which are parallel to transverse reinforcing steel and are located near the center of any span.

WELDING of structural steel shall be Class "A" except as otherwise shown. Welds shown as field welds may, at the option of the Contractor, be made in the shop.
Class "B" welds are indicated on the plans as follows:



SHOP DRAWINGS for the girders shall include an overall layout with dimensions showing the relative unloaded vertical position of each girder or girder segment with respect to the others in the same girder line and with respect to a full length base or work line taking into account camber and the profile of the highway.

PILES shall be driven to firm contact with bedrock using a pile hammer having an energy rating of not less than 15,000 foot pounds. The design load for each pile is 30 tons.
If preboring is used, the holes shall be backfilled with material meeting the requirements of Sec. I-22.

PROCEDURE: The rock benching in the vicinity of the rear abutments, as shown on Sheet 21 and the excavation of unsuitable material in the vicinity of the forward abutments, as shown on Sheet 22, shall be completed and the embankment shall be placed and compacted up to the finished spill-thru slope and to the level of the subgrade for a distance of 200 feet back of the abutments, after which excavation shall be made for the abutments and for the piers.

MACHINE FINISH: The top of the bridge deck slabs shall be machine finished in accordance with the Proposal Note "Machine Finishing of Bridge Deck Slabs."

STEEL: See Proposal regarding A-373 Steel.

SHOP ASEMBLY: At least three adjacent girder segments shall be assembled in the shop in their correct unloaded positions as shown on the shop drawing layout required in the above note, so that the faced joints for welding the segments together may be checked for proper fit-up.

CONCRETE for superstructure, abutment parapets and caissons, shall be Class "C." Concrete for pier footings, caps and stems and concrete for abutments shall be Class "E."

PARAPETS: R402 thru R407 reinforcing bars and concrete above the parapet construction joint in both the superstructure and abutments shall be included in the price per lineal foot of railing for payment.

BRIDGE SEATS: Special care must be taken in placing bars in the bridge seats of the Rear Piers so that they will not interfere with the drilling of holes for anchor bolts.

POROUS BACKFILL 2'-0" thick shall extend upward to the subgrade elevation and for the full length of the abutment.

CRUSHED AGGREGATE SLOPE PROTECTION shall be provided under the structure at all abutments.
This material shall be 1'-0" thick and shall extend from the face of the abutment down to Elev. 860.0 and transversely to 3'-0" outside the exterior faces of the superstructure.

DUMPED ROCK CHANNEL PROTECTION shall be provided under the structure, shall extend from Elev. 860.0 down to Elev. 841.5, shall be 2'-0" thick and shall be located as shown on the Site Plan.

BACKWALL concrete above bridge seat construction joint shall not be placed until after the steel work is erected, but before placing the deck slab.

SPECIAL ITEM - DRILLED CAISSONS.

Description: This item shall consist of furnishing and installing caissons of the kind and size called for on the Plans and in the following Specifications. Caissons shall be installed in accordance with these Specifications and in the location and manner and to the elevation shown on the Plans or as directed by the Director. It shall be the Contractor's responsibility to determine the proper lengths of shells or casings and caisson materials to be brought to the site and this responsibility shall not be considered in any way affected if the approximate estimated pay lengths shown on the Plans are different from that found at the site.

Materials. The materials for concrete shall be the same as for "Item 5-1 Concrete for Structures." Concrete shall be Class "C." Reinforcing steel shall meet the requirements of Sec. M-7.1 and the vertical bars shall be deformed. Metal shells or casings shall be water-tight and shall be of sufficient strength to withstand earth pressure during installation and before being filled with concrete. Weld metal for splices shall be in accordance with Sec. M-7.16.

Metal Shells or Casings. Caissons shall be of a type using a metal shell or casing which may be left in place, or withdrawn, as the concrete is placed. If splices are required the Contractor shall make adequate preparation so as to reduce to a minimum the interruption of casing installation while the splice is being made. Welds shall be made at least two feet above ground.

Installation. The hole for the caisson shall be drilled through the overlying soil and into solid rock to the elevations specified on the Plans. When the proper depth has been reached, the hole shall be cleaned, dewatered, and inspected by the Engineer.
Upon his approval, reinforcement may be then placed and concrete poured up to the elevation shown on the Plans.

Installation - (Cont'd) The casing may be withdrawn during the placing of the concrete. In all cases, the concrete mix, after pouring, shall fill completely the excavated space to the top of the caisson. The tops of the shells or casings shall be completely covered until the concrete is placed. Any accumulation of water or other foreign matter in the shell or casing shall be removed before placing the concrete.

Defective Caissons. A caisson shall be removed and replaced at no additional cost to the State if it is injured, or if its location differs from the specified location by more than one inch at the top.
The caissons shall be installed straight and shall not be out of plumb more than two percent. If a caisson is out of plumb more than this, the design of the caisson shall be modified accordingly.

Method of Measurement. The length of each caisson to be paid for shall be the completed and accepted length, measured along the axis of the caisson from the bottom of the drilled hole to the underside of the footing. During the installation, no jetting to aid in the penetration shall be permitted.

Basis of Payment. The quantity of caissons, measured as described above, shall be paid for at the contract unit price per linear foot bid under "Special Item - Drilled Caissons," complete in place, which price and payment shall constitute full compensation for furnishing all materials, labor and work, the use of tools and equipment and all incidentals necessary to complete this item. If reinforcing steel is required to project from within the caisson to a point above the bottom of the footing, it shall be considered as an incidental which shall be paid for in the price per foot of caissons.

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Consulting Engineers
MANSFIELD, OHIO.

GENERAL NOTES

BRIDGE No. WAY-3-1166 L & R
OVER KILLBUCK CREEK

WAYNE COUNTY S.R. 3
STA. 616 + 04.30 TO STA. 618 + 61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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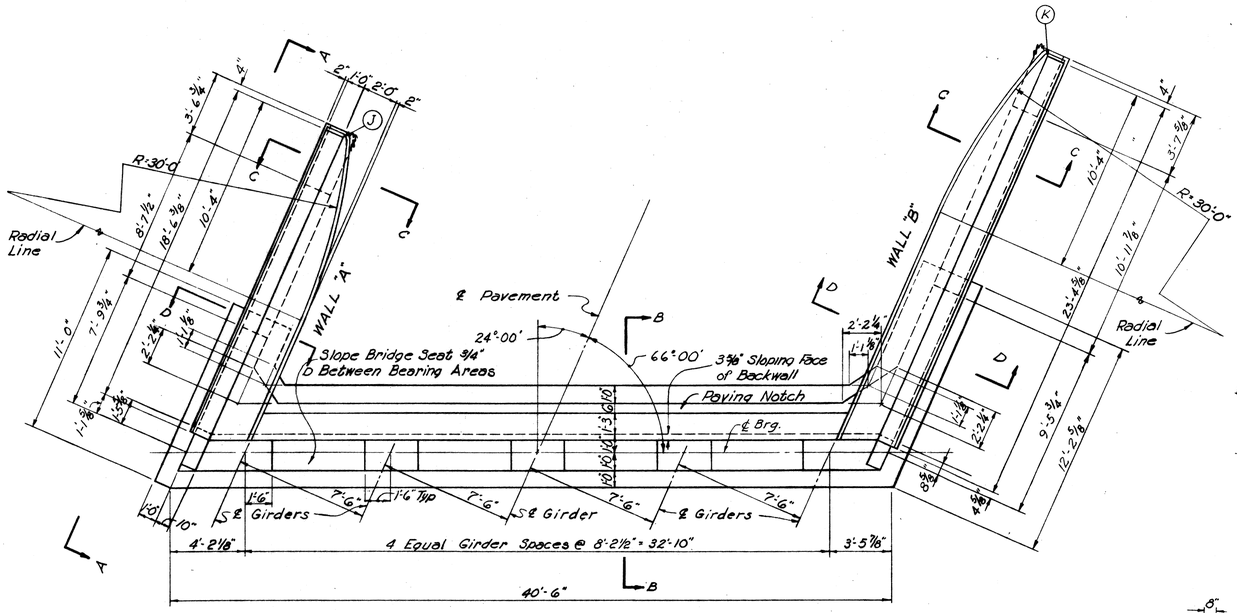
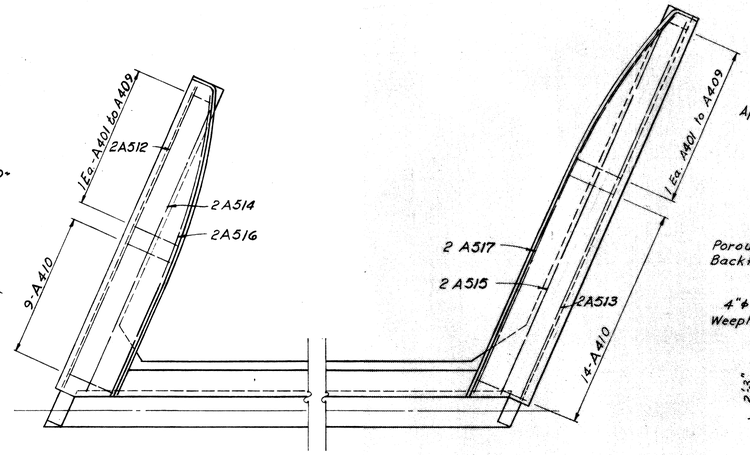
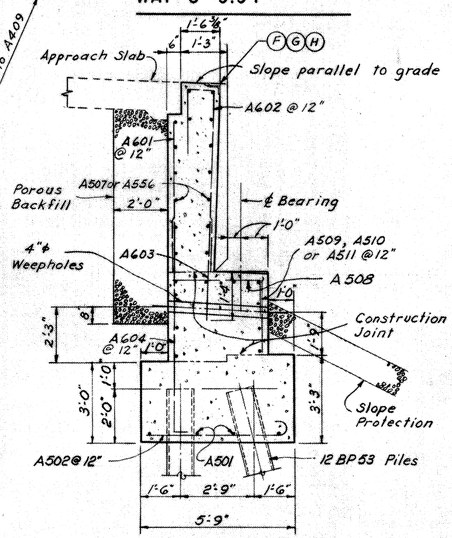
WAYNE COUNTY
WAY-3-9.94

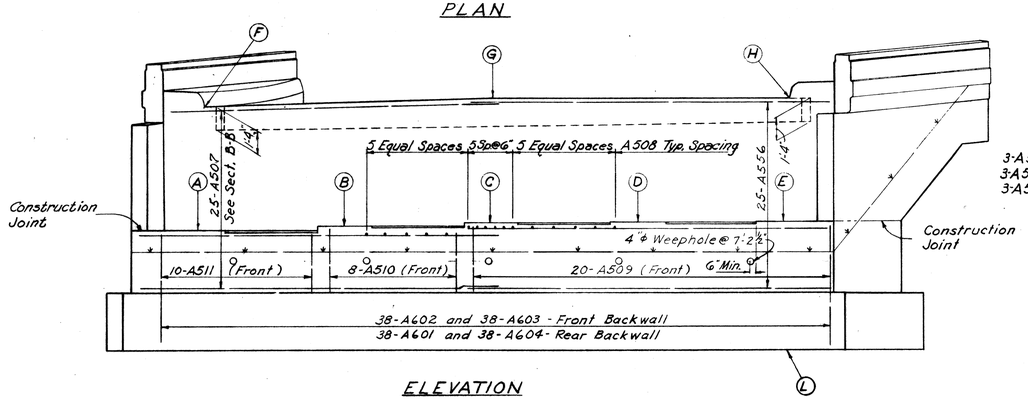


PLAN

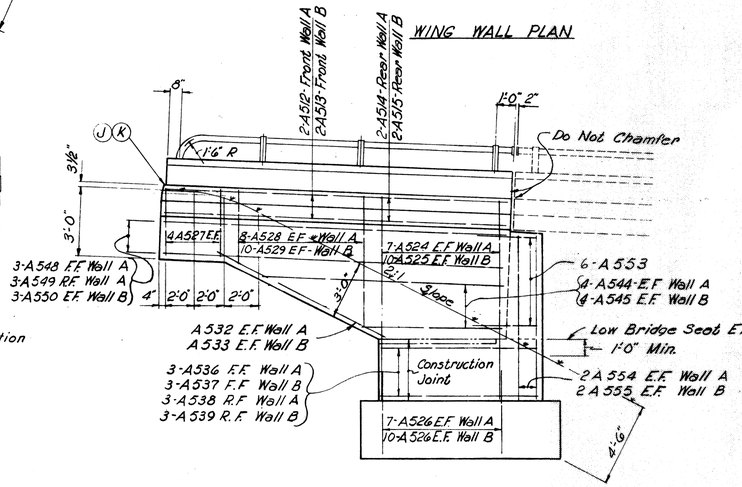




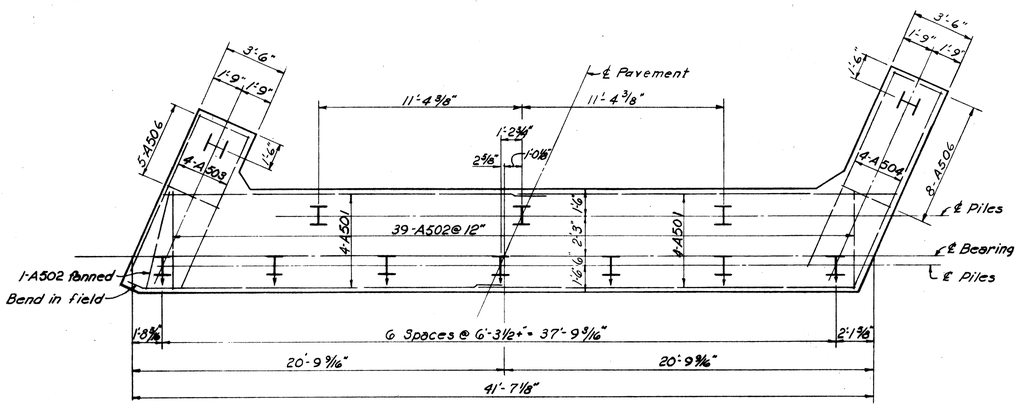
SECTION B-B



ELEVATION



ELEVATION A-A



FOOTING PLAN

NOTES:

CONCRETE: All abutment concrete shall be Class "E" except parapet which shall be Class "C".

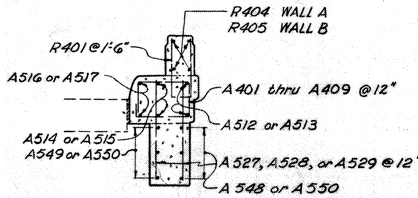
RAILING: See AR-1-57 and Sheet 2. Tubing on abutment wingwalls shall be continuous.

I - Indicates vertical piles

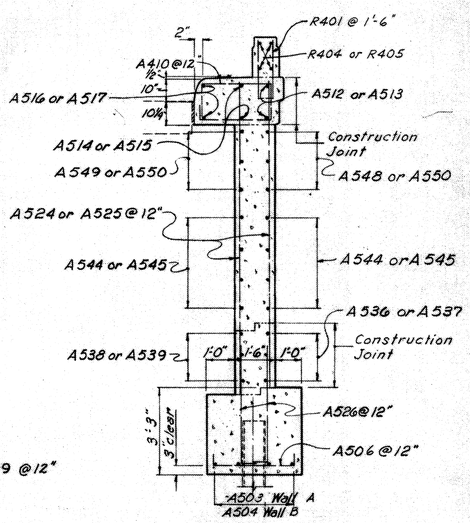
I - Indicates battered piles 1:4

FF - Front Face
RF - Rear Face
EF - Each Face

GENERAL NOTES: See Sheet 135.



SECTION C-C



SECTION D-D

TABLE OF ELEVATIONS

LOCATION	A	B	C	D	E	F (5.690)	G	H (6.225)	J	K (7.268)	L (8.070)
Right Bridge	888.741	888.992	889.243	889.259	889.276	895.702	896.204	896.237	897.284	897.932	882.2
Left Bridge	889.881	890.132	890.383	890.399	890.416	896.842	897.344	897.377	898.424	899.072	883.3
						(.030)	(.031)	(.064)	(8.374)	(.179)	9.222

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Consulting Engineers
MANSFIELD, OHIO.

REAR ABUTMENTS

BRIDGE No. WAY-3-1166 L & R
OVER KILLBUCK CREEK
WAYNE COUNTY S.R. 3
STA. 616 + 04.30 TO STA. 618 + 61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
J.W.C.	J.W.C.	jack	R.A.K.			6-1-61 8-22-61

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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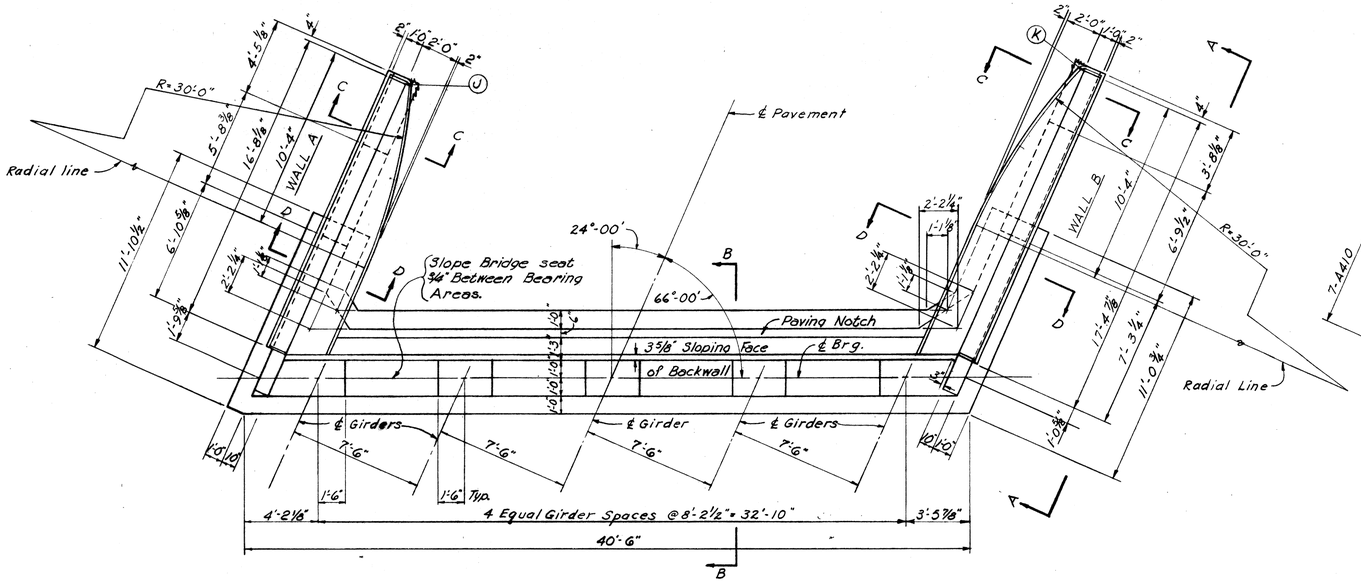
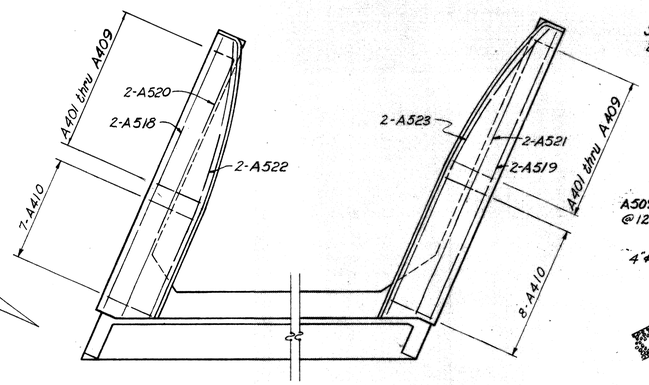
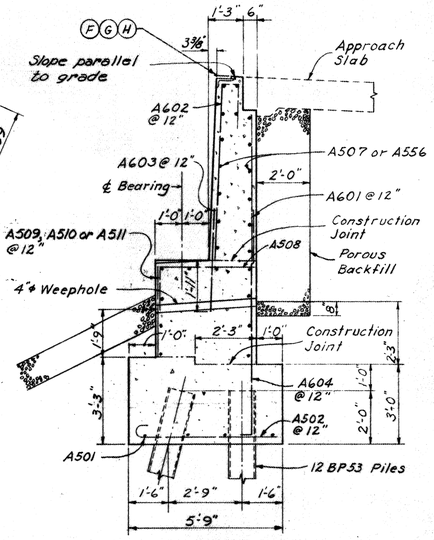
WAYNE COUNTY
WAY-3-9.94



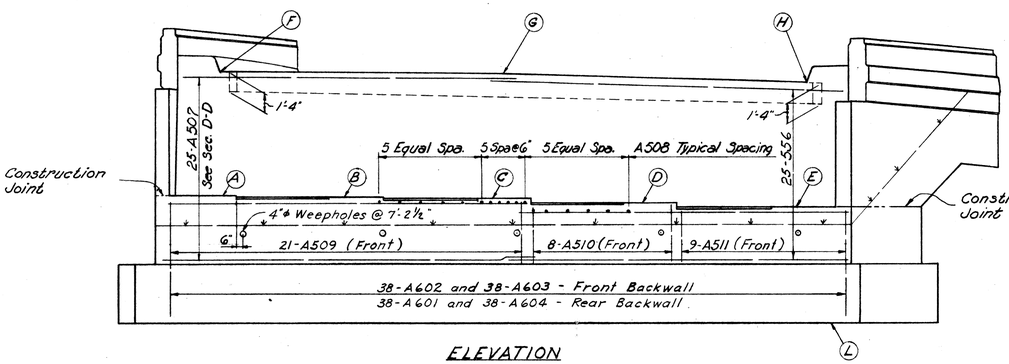
PLAN



WING WALL PLAN



SECTION B-B



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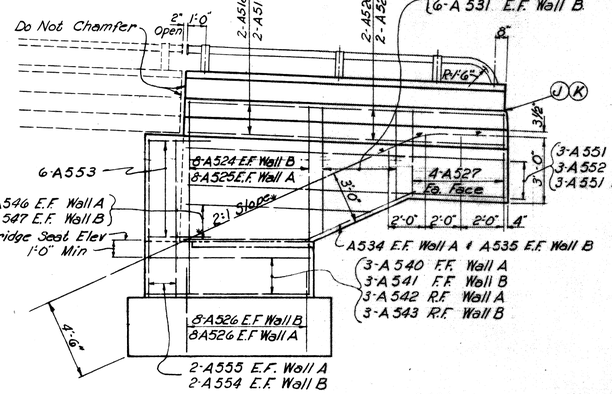
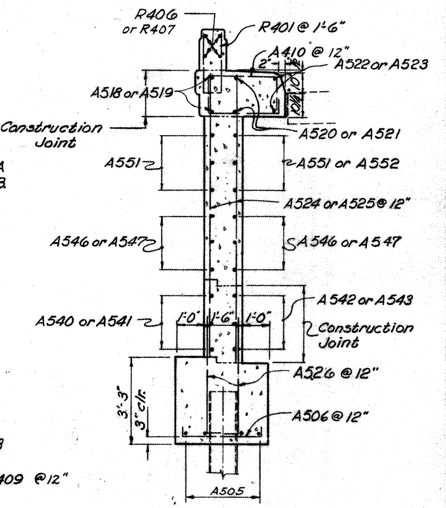


ELEVATION A-A



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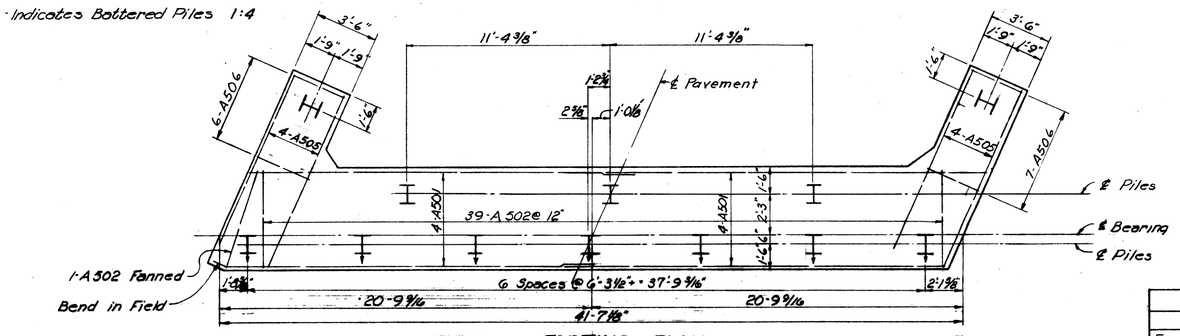
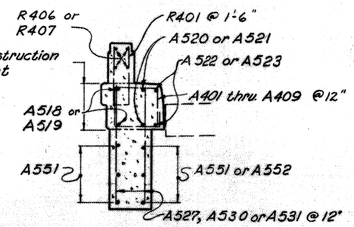


FOOTING PLAN



SECTION C-C

NOTES:

CONCRETE: All abutment concrete shall be Class 'E' except parapet which shall be Class 'C'.

RAILING: See AR-1-57 and Sheet 2. Tubing on abutment wingwalls shall be continuous.

GENERAL NOTES: See Sheet 135.

F.F. - Front Face
R.F. - Rear Face
E.F. - Each Face

TABLE OF ELEVATIONS

LOCATION	A	B	C	D	E	F .057	G .024	H .522	J .303	K .660	L
Forward Abutment - Right Bridge	879.196	879.179	879.163	878.912	878.661	886.157	886.124	885.622	886.385	885.877	872.1
Forward Abutment - Left Bridge	880.336	880.319	880.303	880.052	879.801	887.296	887.264	886.762	887.524	886.857	873.2
						196	163	612	409	768	

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FORWARD ABUTMENTS

BRIDGE No. WAY-3-1166 L & R
OVER KILLBUCK CREEK

WAYNE COUNTY S.R. 3
STA. 616 + 04.30 TO STA. 618 + 61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RAK	JWC	jack	DHT			6-1-61 8-21-61

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
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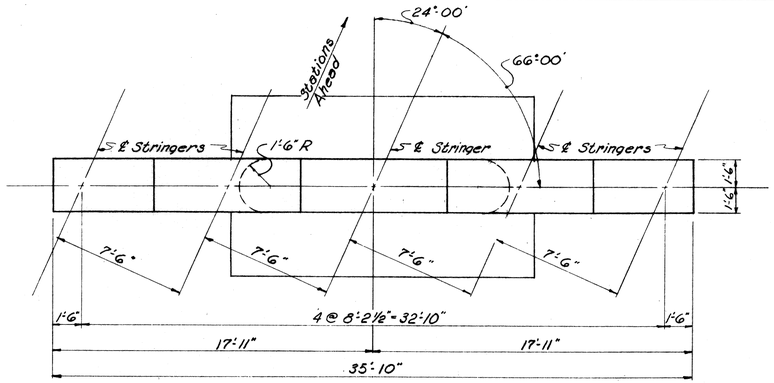
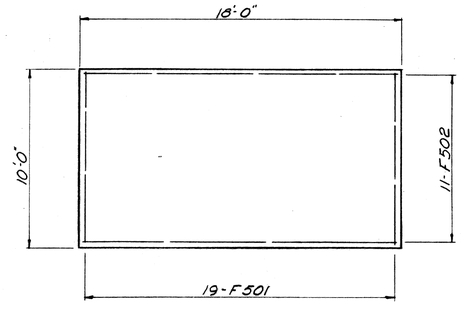
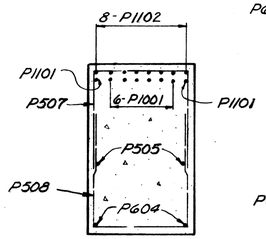


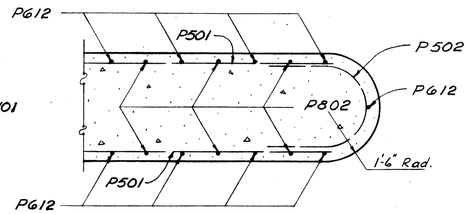
PLAN



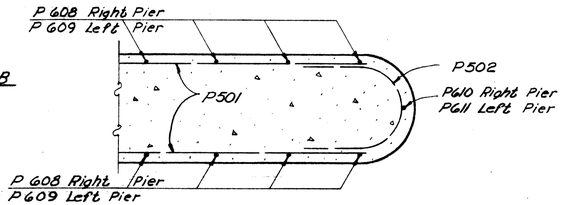
FOOTING PLAN



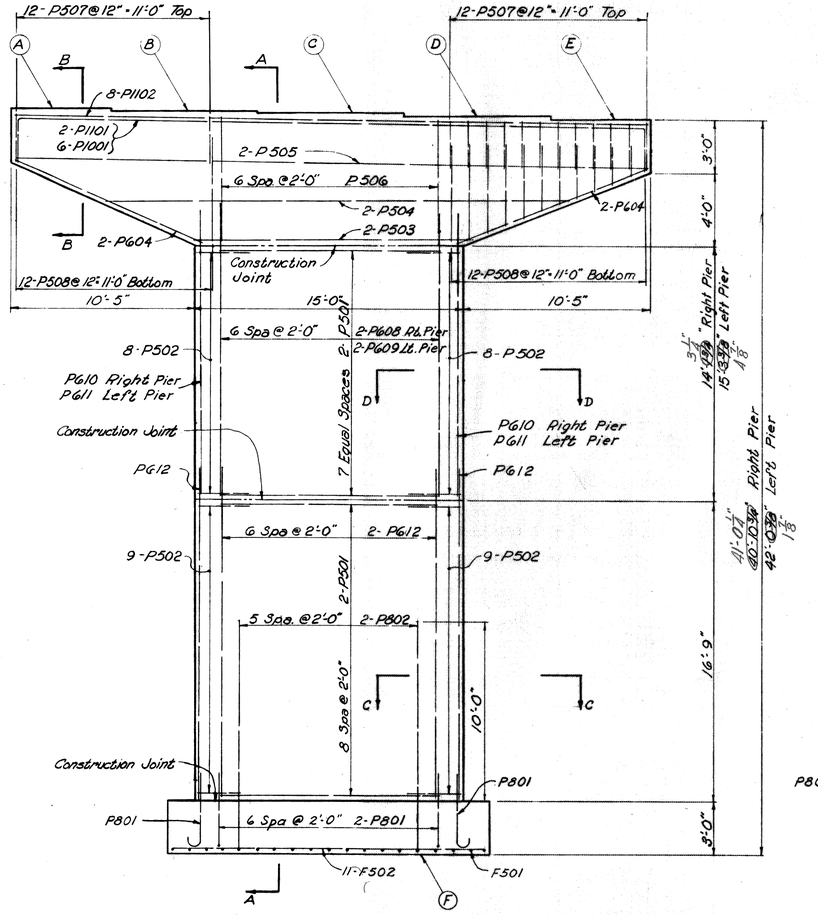
SECTION B-B



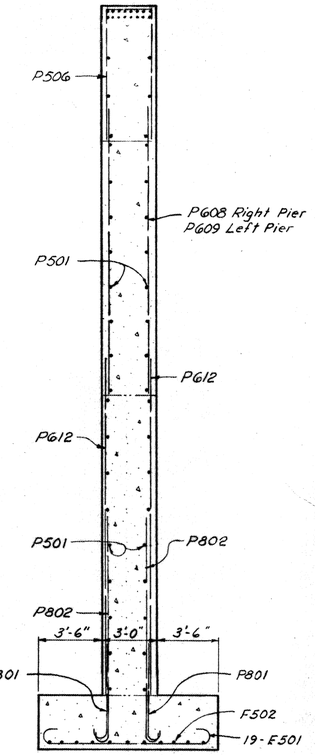
SECTION C-C



SECTION D-D



ELEVATION



SECTION A-A

TABLE OF ELEVATIONS

	Ⓐ 551	Ⓑ 643	Ⓒ 518	Ⓓ 267	Ⓔ ½	Ⓕ
Right Pier	885.~~691~~	885.~~674~~	885.~~657~~	885.~~407~~	886.~~156~~	844.0
Left Pier	886.~~623~~	886.~~613~~	886.~~586~~	886.~~543~~	886.~~083~~	844.0

NOTES:
CONCRETE: All concrete for footings, caps and stems shall be Class "E".

FOUNDATION BEARING PRESSURE:
Pier footings are designed for a maximum bearing pressure of 3 tons per square foot.

GENERAL NOTES: See Sheet 135.

SHAFFER, PARRETT AND ASSOCIATES
Consulting Engineers
MANSFIELD, OHIO.

REAR PIERS
BRIDGE No. WAY-3-1166 L & R
OVER KILLBUCK CREEK

WAYNE COUNTY S.R. 3
STA. 616 + 04.30 TO STA. 618 + 61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RAK	RAK	jack	DHT			6-1-61

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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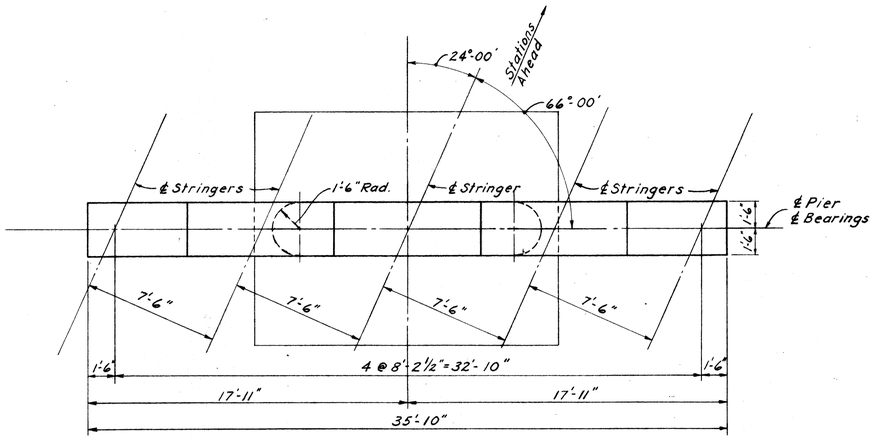
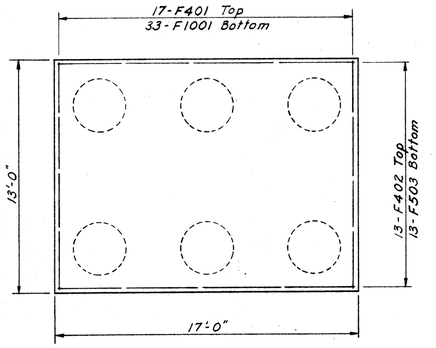
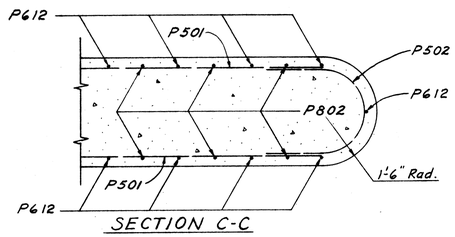
WAYNE COUNTY
WAY-3-9.94



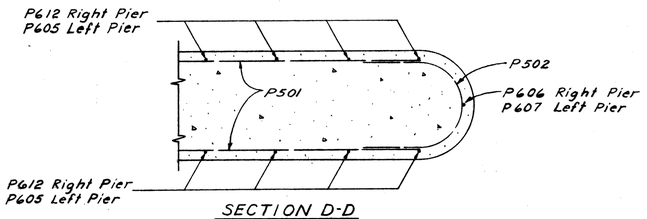
PLAN



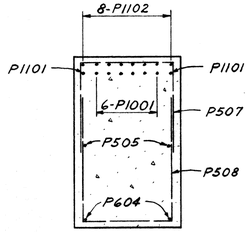
FOOTING PLAN



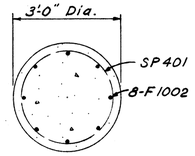
SECTION C-C



SECTION D-D



SECTION B-B



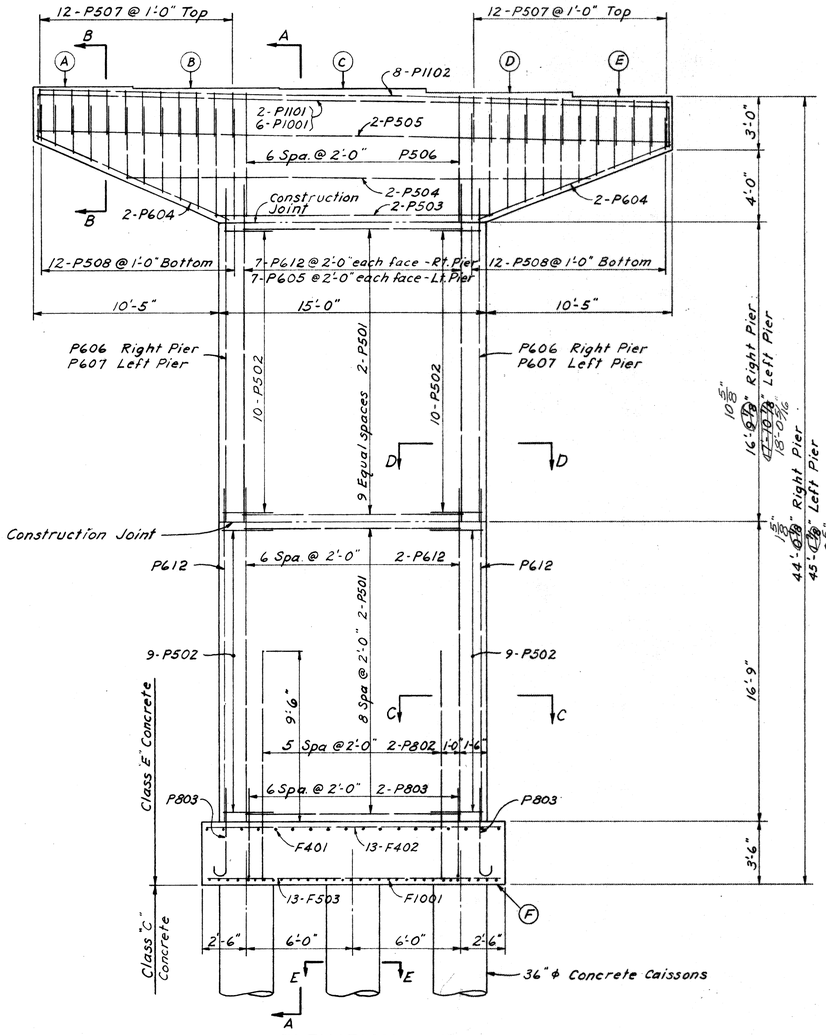
SECTION E-E

NOTES:

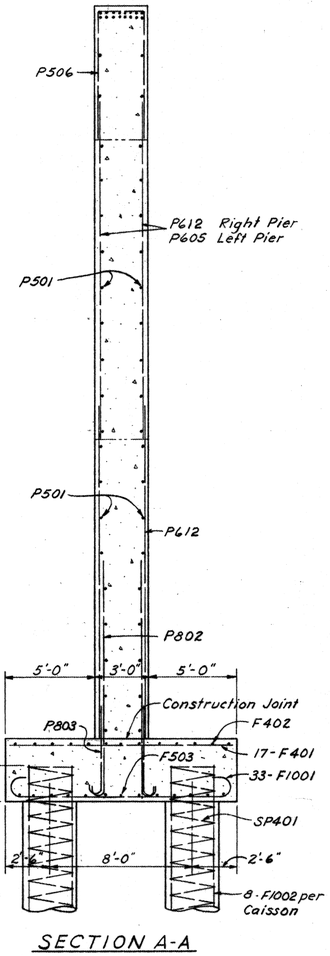
CONCRETE: All concrete for pier footings, caps and stems shall be Class "E" Concrete for the caissons shall be Class "C".

GENERAL NOTES: See Sheet 135.

CAISSONS shall penetrate 7 feet into bedrock or to Elev. 815.0, whichever is lower. The design load is 128 tons per caisson.



ELEVATION



SECTION A-A

TABLE OF ELEVATIONS

	Ⓐ 671	Ⓑ 654	Ⓒ 638	Ⓓ 387	Ⓔ 137	Ⓕ
Right Pier	881.~~609~~	881.~~593~~	881.~~578~~	881.~~323~~	881.~~078~~	837.0
Left Pier	882.~~749~~	882.~~733~~	882.~~716~~	882.~~463~~	882.~~215~~	837.0
	811	794	777	527	276	

SHAFFER, PARRETT AND ASSOCIATES
Consulting Engineers
MANSFIELD, OHIO.

FORWARD PIERS

BRIDGE No. WAY-3-1166 L & R
OVER KILLBUCK CREEK
WAYNE COUNTY S.R. 3
STA. 616 + 04.30 TO STA. 618 + 61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RAK	EAK	bob	JWC			6-1-61

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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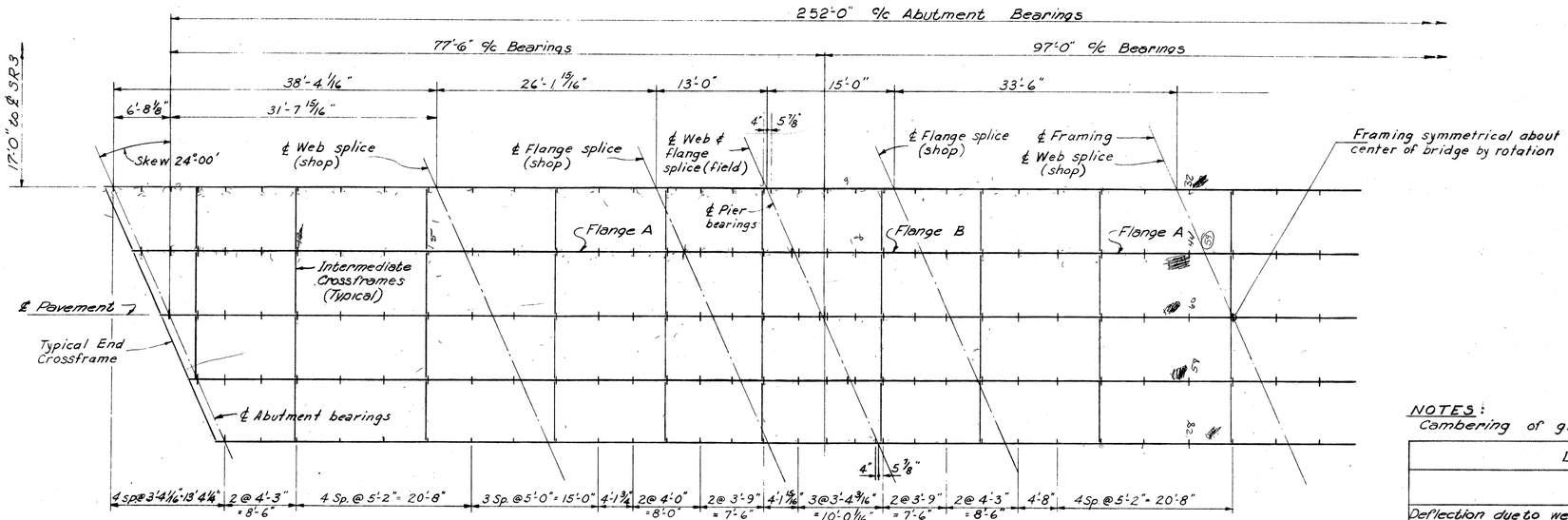
WAYNE COUNTY
WAY-3-9.94



HALF PLAN OF STEEL FRAMING

GIRDER MATERIALS	
Web	62 × 3/8
Flange A	14 × 3/4
Flange B	14 × 1 1/2
Intermediate Stiffeners	6 × 3/8
End Stiffeners	2-6 × 3/8
Pier Bearing Stiffeners	4-6 × 5/8

NOTES:
Cambering of girders is required in accordance with the following table:

DEFLECTION AND CAMBER	IN OUT SIDE GIRDERS		IN OUT SIDE GIRDERS	
	End Spans	Middle Span	End Spans	Middle Span
Deflection due to weight of steel	3/16"	7/16"	3/16"	7/16"
Deflection due to remaining dead load	1/2"	1 3/8"	3/4"	1 15/16"
Sum	11/16"	1 3/4"	7/8"	2 3/16"
Required Camber	@ 1"	~~1 3/8"~~ 2"	1"	~~2 3/16"~~ 2"

GIRDER SPLICE WELDING PROCEDURE [ASSUMING MIDDLE SPAN IS IN PLACE]:
1. Raise end of girder at forward abutment 1 11/16".
2. Butt-weld girder flanges and web at forward pier, using the following sequence: make two passes on each flange, then two on the web; repeat using one pass at each location until welds are completed. Weld bottom plate over shoe.
3. Make splice at rear pier in the same manner, raising the end of the girder 1 11/16" at the rear abutment.
4. After splices are completed at the piers, lower the ends of the girders at the abutments to final positions.

BEARINGS: See RB-1-55 for the following:
R-100 Abutments
B-225 Rear Pier
R-225 Forward Pier

END CROSSFRAMES, ~~END FINISH~~, GUTTERS, SCUPPERS, & CURB PLATE DETAILS: See C3B-2-56 Sheets 2 & 3 of 6

RAILING: See AR-1-57

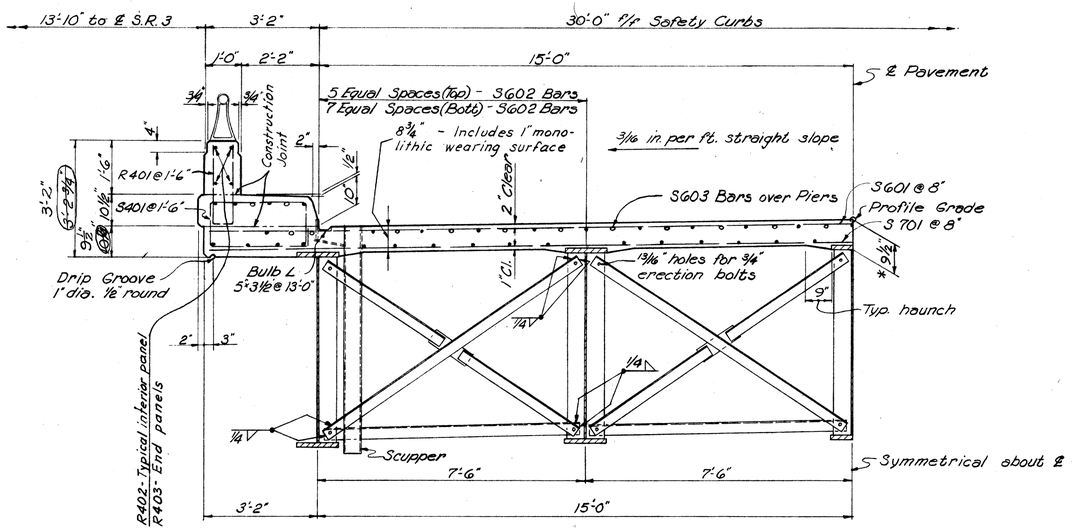
RAILING POST, PARAPET EXPANSION JOINT & SCUPPER SPACING: See sheet 134.

CONCRETE: All superstructure concrete shall be Class "C"

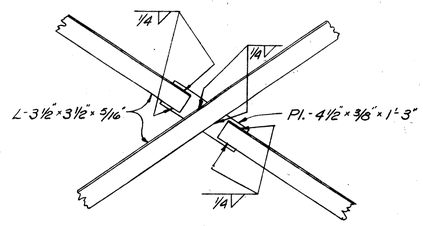
GENERAL NOTES: See sheet 135.

PAINTING: After erection and after the shop coat has been cleaned and, where necessary, repainted in accordance with Sec. 8.04, an additional coat of the same paint as used in the shop shall be applied over the outside face of the outside steel girders & all sides of bottom flanges.

END DAMS: For details see sheet 141.



SECTION A-A



CROSSFRAME DETAIL

* This is the nominal dimension. The quantity of deck concrete to be paid for shall be based on this dimension, even though deviation from it may be necessary because the top flange of the beam may not have the exact camber or conformation required to place it parallel to the finished grade.

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MANSFIELD, OHIO.

SUPERSTRUCTURE-1

BRIDGE No.WAY-3-1166 L & R
OVER KILLBUCK CREEK
WAYNE COUNTY S.R. 3
STA. 616+04.30 TO STA. 618+61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RAK	JWC	jack	DHT			6-1-61 6-28-61 8-22-61

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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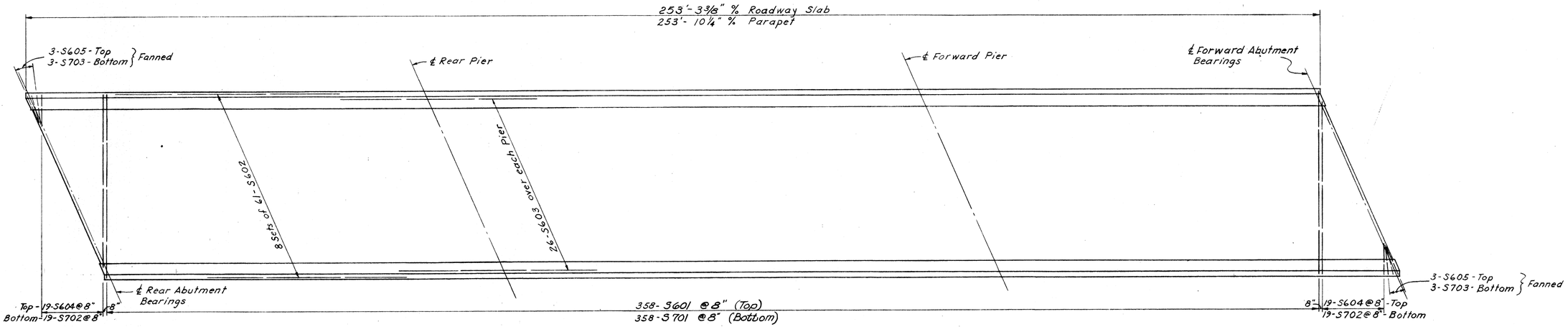
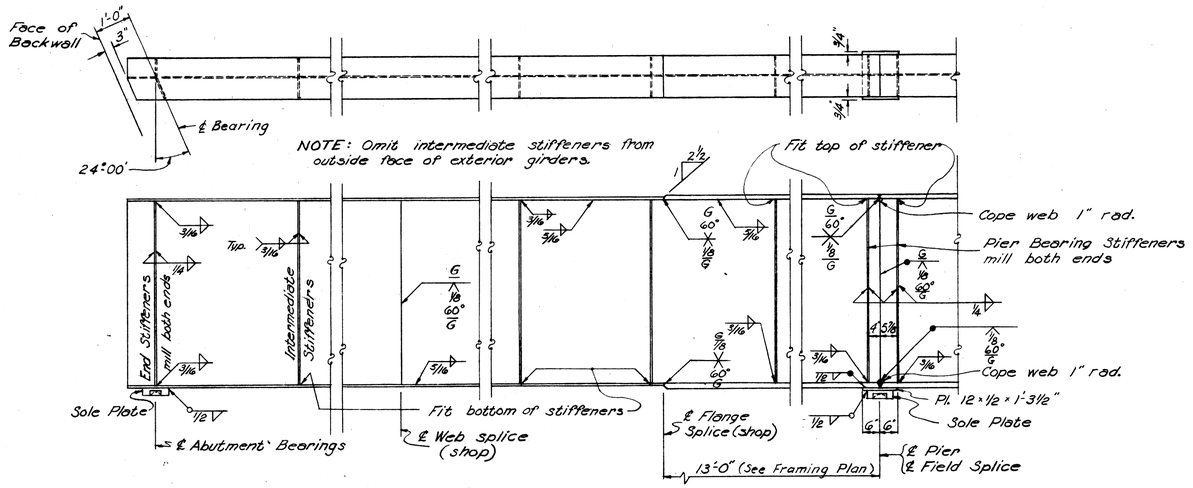
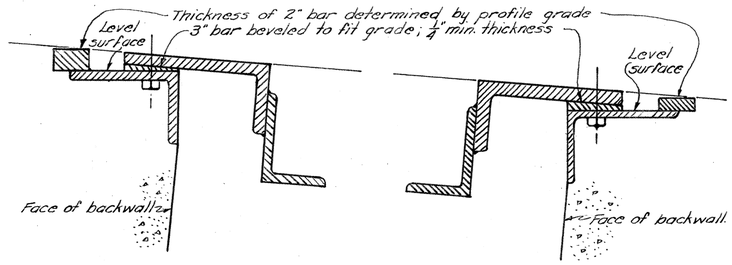
WAYNE COUNTY
WAY-3-9.94



DECK SLAB PLAN



TYPICAL GIRDER DETAILS



END DAM DETAILS
For details not shown
see Std. Drwg. C5B-2-56.

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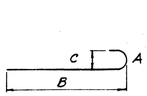
Consulting Engineers
MANSFIELD, OHIO.

SUPERSTRUCTURE-2

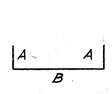
BRIDGE No. WAY-3-1166 L & R
OVER KILLBUCK CREEK

WAYNE COUNTY S.R. 3
STA. 616+04.30 TO STA. 618+61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RAK	RAK	jack	DHT			6-28-61



TYPE 1



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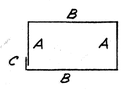
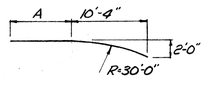
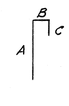


TYPE 3

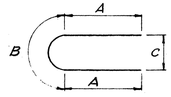


TYPE 4

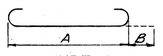
TYPE 5



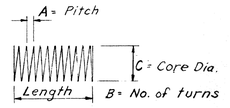
TYPE 6



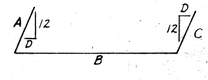
TYPE 7



TYPE 8



TYPE 9



TYPE 10

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE COUNTY
WAY-3-9.94

ABUTMENTS

MARK	NO.	LENGTH	TYPE	A	B	C	D	E	WEIGHT	LOCATION
R401	110	5'-4"	2	2'-4"	8"				392	Railing Stirrups
R404	8	18'-2"	Str.						*	Railing Long. Rear Wall A
R405	8	23'-0"	"						*	" " " Wall B
R406	8	16'-4"	"						*	" " Fwd " A
R407	8	17'-0"	"						*	" " " " B
A401	8	8'-3"	3	1'-4"	2'-7½"	4"			44	Curb Stirrups
A402	8	8'-2"	3	1'-4"	2'-7"	4"			44	" "
A403	8	8'-0"	3	1'-4"	2'-6"	4"			43	" "
A404	8	7'-10"	3	1'-4"	2'-5"	4"			42	" "
A405	8	7'-6"	3	1'-4"	2'-3"	4"			40	" "
A406	8	7'-0"	3	1'-4"	2'-0"	4"			37	" "
A407	8	6'-6"	3	1'-4"	1'-9"	4"			35	" "
A408	8	6'-0"	3	1'-4"	1'-6"	4"			32	" "
A409	8	5'-4"	3	1'-4"	1'-2"	4"			29	" "
A410	76	8'-4"	3	1'-4"	2'-8"	4"			423	Curb Stirrups
A501	32	21'-4"	Str.	Bend 4 in field as shown					712	Footing Longit.
A502	160	5'-10"	1	7"	5'-3"	5"			973	" Transv.
A503	8	9'-6"	Str.						79	Footing Wings-Rear Wall A
A504	8	11'-10"	Str.						99	" " " Wall B
A505	16	10'-3"	Str.						171	" " Fwd Walls
A506	52	3'-8"	2	4"	3'-0"	4"			199	" " Transv.
A507	100	21'-9"	10	1'-6"	20'-3"	-	5⅜"		2269	Stem & Wall Longit.
A508	184	7'-6"	5	2'-4"	5'-2"				1439	Bridge Seats
A509	82	3'-8"	Str.						314	Stem Vert. Front
A510	32	3'-5"	Str.						114	" " "
A511	38	3'-2"	Str.						126	" " "
A512	4	17'-10"	Str.						74	Front Wall A Rear Abut.
A513	4	22'-10"	Str.						95	" " B " "
A514	4	17'-3"	Str.						72	Rear Wall A " "
A515	4	22'-3"	Str.						93	" " B " "
A516	4	17'-7"	4	7'-0"	10'-7"				73	Curb Wall A " "
A517	4	24'-1"	4	13'-6"	10'-7"				101	" " B " "
A518	4	16'-10"	Str.						70	Front Wall A Fwd Abut.
A519	4	16'-8"	Str.						69	" " B " "
A520	4	15'-10"	Str.						66	Rear Wall A " "
A521	4	16'-6"	Str.						69	" " B " "
A522	4	15'-8"	4	5'-1"	10'-7"				65	Curb Wall A " "
A523	4	18'-1"	4	7'-6"	10'-7"				75	" " B " "
A524	60	11'-6"	Str.						720	Vert. Wall A (E.F.) Rear Abut.
										" " B Fwd Abut.
A525	72	11'-0"	Str.						824	Vert Wall B (E.F.) Rear Abut.
										" " A (E.F.) Fwd Abut.
A526	132	4'-11"	5	4'-7"	4"				677	Footing Dowels Wings
A527	64	3'-10"	Str.						256	Vert. Wall A & B Rear & Fwd Abut.
A528	32	Varies	Str.	4'-0" to 7'-3" Vary 4 ea. by 5½"					189	Vert Wall A Rear Abut.
A529	40	Varies	Str.	4'-0" to 7'-9" Vary 4 ea by 5"					245	" " B " "
A530	24	Varies	Str.	4'-0" to 6'-9" Vary 4 ea by 6⅛"					135	" " A Fwd "
A531	24	Varies	Str.	4'-0" to 6'-6" Vary 4 ea by 6"					131	Vert. Wall B " "
A532	4	10'-0"	Str.						42	Diag. Wall A Rear "
A533	4	11'-5"	Str.						48	" " B " "
A534	4	7'-5"	Str.						31	" " A Fwd "
A535	4	7'-9"	Str.						32	Diag Wall B " "
A536	6	8'-2"	Str.						51	Horiz Wall A F.F. Rear Abut.
A537	6	10'-4"	Str.						65	" " B F.F. " "
A538	6	7'-8"	Str.						48	" " A R.F. " "
A539	6	10'-8"	Str.						67	" " B R.F. " "
A540	6	9'-4"	Str.						58	" " A F.F. Fwd "
A541	6	9'-0"	Str.						56	" " B F.F. " "
A542	6	8'-10"	Str.						55	" " A R.F. " "
A543	6	9'-6"	Str.						60	" " B R.F. " "
A544	16	Varies	Str.	6'-9" to 12'-11" Vary 4 ea by 2'-1"					164	" " A E.F. Rear Abut.
A545	16	Varies	Str.	6'-5 to 15'-3" Vary 4 ea by 2'-3"					198	" " B E.F. " "
A546	12	Varies	Str.	5'-0" to 12'-3" Vary 4 ea by 2'-0"					125	" " A E.F. Fwd "
A547	12	Varies	Str.	7'-6" to 12'-0" Vary 4 ea by 2'-3"					122	" " B E.F. " "
A548	6	18'-2"	Str.						114	" " A F.F. Rear "
A549	6	17'-9"	Str.						111	" " A R.F. " "
A550	12	23'-0"	Str.						288	" " B E.F. " "
A551	18	16'-11"	Str.						318	" " A F.F. Fwd. "
										" " B E.F. " "
A552	6	16'-5"	Str.						103	Horiz Wall A R.F. Fwd Abut.
A553	48	7'-6"	2	3'-6"	6"				375	Curtain Wall Stirrups
A554	16	9'-0"	Str.						150	" " Vert
A555	16	9'-7"	Str.						160	Curtain Wall Vert
A556	100	21'-9"	10	-	20'-3"	1'-6"	5⅜"		2269	Stem and Wall Longit.
A601	152	5'-5"	Str.						1237	Backwall Back Vert
A602	152	10'-8"	6	6'-9"	1'-2"	2'-9"			2435	Backwall Front Vert
A603	152	3'-11"	Str.						894	Backwall Dowels
A604	152	8'-8"	5	6'-4"	4"				1979	Backwall Back Vert.
					TOTAL WEIGHT =				23,412	

PIERS

MARK	NO.	LENGTH	TYPE	A	B	C	D	E	WEIGHT	LOCATION
F401	34	12'-6"	Str.						284	Footing Fwd Piers
F402	26	16'-6"	Str.						287	" " "
F501	38	10'-8"	8	9'-6"	7"				423	Footing Rear Piers
F502	22	17'-6"	Str.						402	" " "
F503	26	16'-6"	Str.						447	Footing Fwd Piers
F1001	66	15'-4"	8	12'-6"	17"				4355	Footing Fwd Piers
P501	144	12'-2"	Str.						1827	Stems
P502	144	7'-4"	7	1'-7"	4'-2"	2'-8"			1101	"
P503	8	15'-6"	Str.						129	Caps
P504	8	24'-0"	Str.						217	"
P505	8	35'-6"	Str.						296	"
P506	28	16'-6"	2	6'-11"	2'-8"				482	"
P507	96	7'-8"	2	2'-6"	2'-8"				768	"
P508	96	Varies	2	***	2'-8"					
	***	1'-7" to 5'-10" Vary 8 ea. by 4¼"							371	Caps
P801	32	5'-7"	1	13"	4'-6"	7"			477	Stem Rear Piers
P802	48	13'-10"	1	13"	12'-9"	7"			1773	Stems
P803	32	6'-1"	1	13"	5'-0"	7"			320	Fwd Pier Stem
PG04	16	11'-6"	Str.						276	Caps
PG05	14	19'-7"	Str.						412	Lt Fwd Pier Stem
PG06	2	18'-3"	Str.						55	Rt " " "
PG07	2	19'-3"	Str.						58	Lt " " "
PG08	14	16'-0"	Str.						336	Rt Rear Pier Stem
PG09	14	17'-2"	Str.						361	Lt " " "
PG10	2	15'-6"	Str.						47	Rt " " "
PG11	2	16'-9"	Str.						50	Lt " " "
PG12	78	18'-8"	Str.						2187	Rt Fwd Pier Stem
P1001	24	35'-6"	Str.						3666	Caps
P1101	8	35'-6"	Str.						1509	Caps
P1102	32	39'-8"	8	35'-6"	1'-7"				6744	Caps
F1002	96	24'-0"	Str.						**	Caisson
SP401	12	23'-10"	9	4½"	66	30"			**	Caisson
					TOTAL WEIGHT				29,860	

* These railing bars are included in Item S-14 for payment
** These caisson bars included in Item Special for payment

REPLACEMENT BARS		
MARK	NUMBER	LENGTH
RE 400	1	5'-3"
RE 500	2	5'-7"
RE 600	6	5'-11"
RE 700	3	6'-3"
RE 1000	1	7'-3"
RE 1100	1	7'-7"

TOTAL WEIGHT OF REINFORCING STEEL = 211,881 *

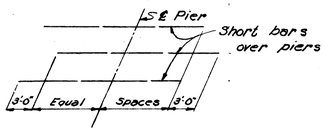


DIAGRAM SHOWING STAGGER OF SHORT BARS OVER PIERS

NOTES:
REPLACEMENT BARS: If reinforcing bars are fabricated from stock which has been previously tested and approved by the Ohio Highway Testing Laboratory, test samples as provided in Sec. S-4.02 need not be furnished and replacement bars will not be required.
BAR SIZE is indicated on the bar mark. The first digit where three digits are used and the first two digits where four are used, indicate the bar size number. For example, A701 is a No 7 size bar and A1014 is a No. 10 size bar.

SUPERSTRUCTURE

MARK	NO	LENGTH	TYPE	A	B	C	D	E	WEIGHT	LOCATION
R401	724	5'-4"	2	2'-4"	8"				2579	Railing Stirrups
R402	240	15'-0"	Str.						*	" Longit. Interior
R403	32	11'-6"	Str.						*	" " Ends
3401	680	8'-8"	3	1'-4"	2'-9"	6"			3937	Curb Stirrups
S601	716	36'-0"	Str.						38,716	Top of Slab - Transv.
S602	976	33'-3"	Str.						48,743	Slab Longit. - Top & Bottom
S603	104	39'-6"	Str.						6170	" " Over Piers
S604	76	Varies	Str.	6'-10" to 33'-10" Vary 4 ea by 1'-6"					2321	Slab Top - Ends
S605	12	7'-0"	Str.						126	" " " (Fanned)
S701	716	36'-0"	Str.						52,686	Bottom Slab - Transv.
S702	76	Varies	Str.	6'-10" to 33'-10" Vary 4 ea. by 1'-6"					3159	" " " Ends
S703	12	7'-0"	Str.						172	" " - Ends (Fanned)
				TOTAL WEIGHT =					158,609	

ESTIMATED QUANTITIES

Item	TOTAL	UNIT	DESCRIPTION	SUPER STRUCTURE	ABUTS	PIERS	GENERAL	As Built	
E-2	Lump	Sum	Cofferdams, cribs & sheeting				lump		
E-2	610	Cu. Yds.	Unclassified excavation		483	127			
E-2	114	Cu. Yds.	Rock excavation			114			
E-3	9586	Cu. Yds.	Channel excavation				9586		
S-1	622	Cu. Yds.	Class "C" Concrete, superstructure	622					
S-1	380	Cu. Yds.	Class "E" Concrete, piers above footings			380		C0-3 -7	309
S-1	347	Cu. Yds.	Class "E" Concrete, abutments		347				
S-1	97	Cu. Yds.	Class "E" Concrete, pier footings			97			
S-4	211,881	Lbs.	Reinforcing steel	158,609	23,412	29,860			
S-7	~~429,933~~ 539,100	Lbs.	Structural steel	~~429,933~~ 539,100					
S-8	~~429,933~~	Lbs.	Field painting of structural steel as per plan	~~429,933~~					
S-14	1,168	Lin. Ft.	Railing (aluminum rail, supports & conc. parapets)	1016	152				
S-16	Lump	Sum	First test pile		lump				
S-18	2,112	Lin. Ft.	Steel piles, 12 BP 53		2,112				
S-24	Lump	Sum	Removal of existing structure				lump		
S-29	67	Cu. Yds.	Porous backfill		67				
S-29	64	Each	Scuppers	64					
I-10	1318	Sq. Yds.	Crushed aggregate slope protection				1318	C0-3 -324	1642
I-10	1442	Cu. Yds.	Dumped rock channel protection				1442	C0-3 -426	1016
special	264	Lin. Ft.	Drilled caissons, 36" ϕ			264			

Revised As-Built

SHAFFER, PARRETT AND ASSOCIATES
Consulting Engineers
MANSFIELD, OHIO.

Revised As-Built

REINFORCING STEEL AND ESTIMATED QUANTITIES
BRIDGE No. WAY-3-1166 L&R
OVER KILLBUCK CREEK
WAYNE COUNTY S.R. 3
STA. 616 + 04.30 TO STA. 618 + 61.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
J.W.C.	J.W.C.	Jack	R.A.K.	.		6-1-61

Revised As-Built VLA ~ 6-11-63

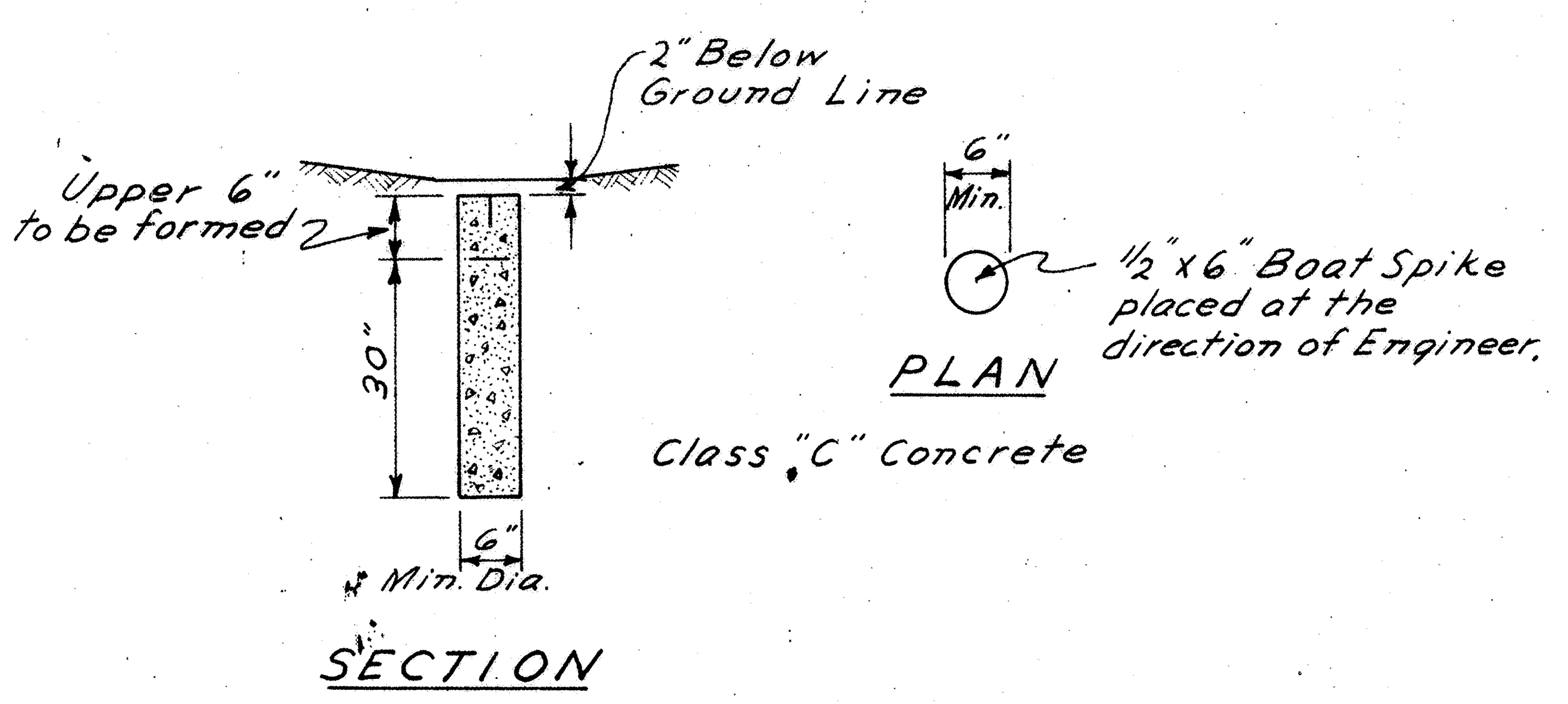
FED. RD. DIVISION	STATE	PROJECT	

WAYNE COUNTY
WAY-3-9.94

LOCATION PLAN
WAY-3-9.94
WOOSTER TWP. SEC. 8, 17, 18, 19.
WAYNE COUNTY

SCALE IN FEET: 0 — 400 — 800 — 1200 — 1600

DETAIL OF CENTERLINE REFERENCE MONUMENT



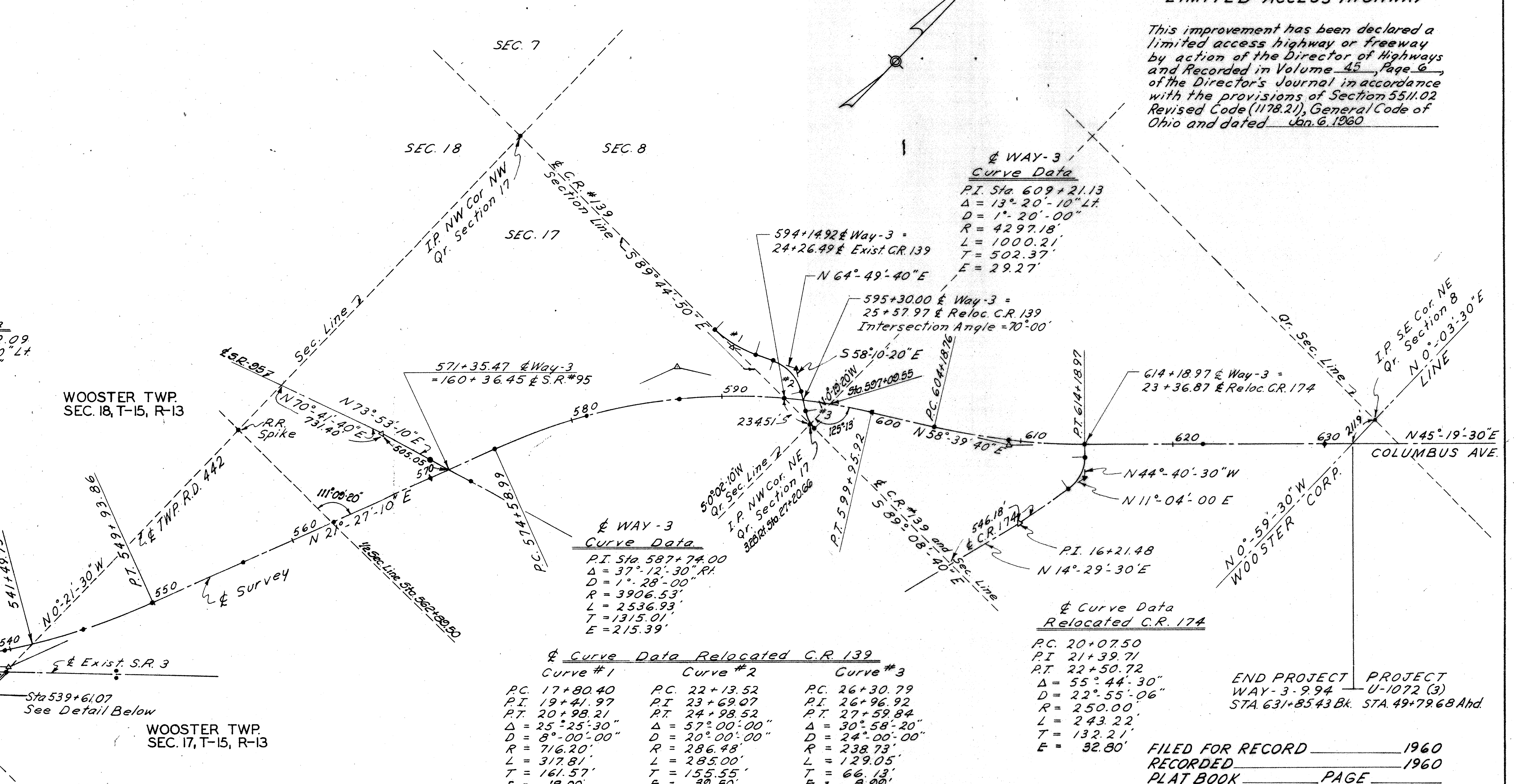
NOTE: Monuments to be placed by Contractor.

SYMBOL
● - MONUMENTS

TOTALS
26 - Reference Monuments (As per plan)
14 - Monument Assembly (See Std. Const. Drwg. RI-1)

LIMITED ACCESS HIGHWAY

This improvement has been declared a limited access highway or freeway by action of the Director of Highways and Recorded in Volume 45, Page 6, of the Director's Journal in accordance with the provisions of Section 5511.02 Revised Code (1178.21), General Code of Ohio and dated Jan. 6, 1960



¢ WAY-3 Curve Data
P.I. Sta. 539+92.09
Δ = 25°-28'-20" Lt.
D = 1°-15'-00"
R = 4583.66'
L = 2037.78'
T = 1036.01'
E = 115.62'

¢ WAY-3 Curve Data
P.I. Sta. 587+74.00
Δ = 37°-12'-30" Rt.
D = 1°-28'-00"
R = 3906.53'
L = 2536.93'
T = 1315.01'
E = 215.39'

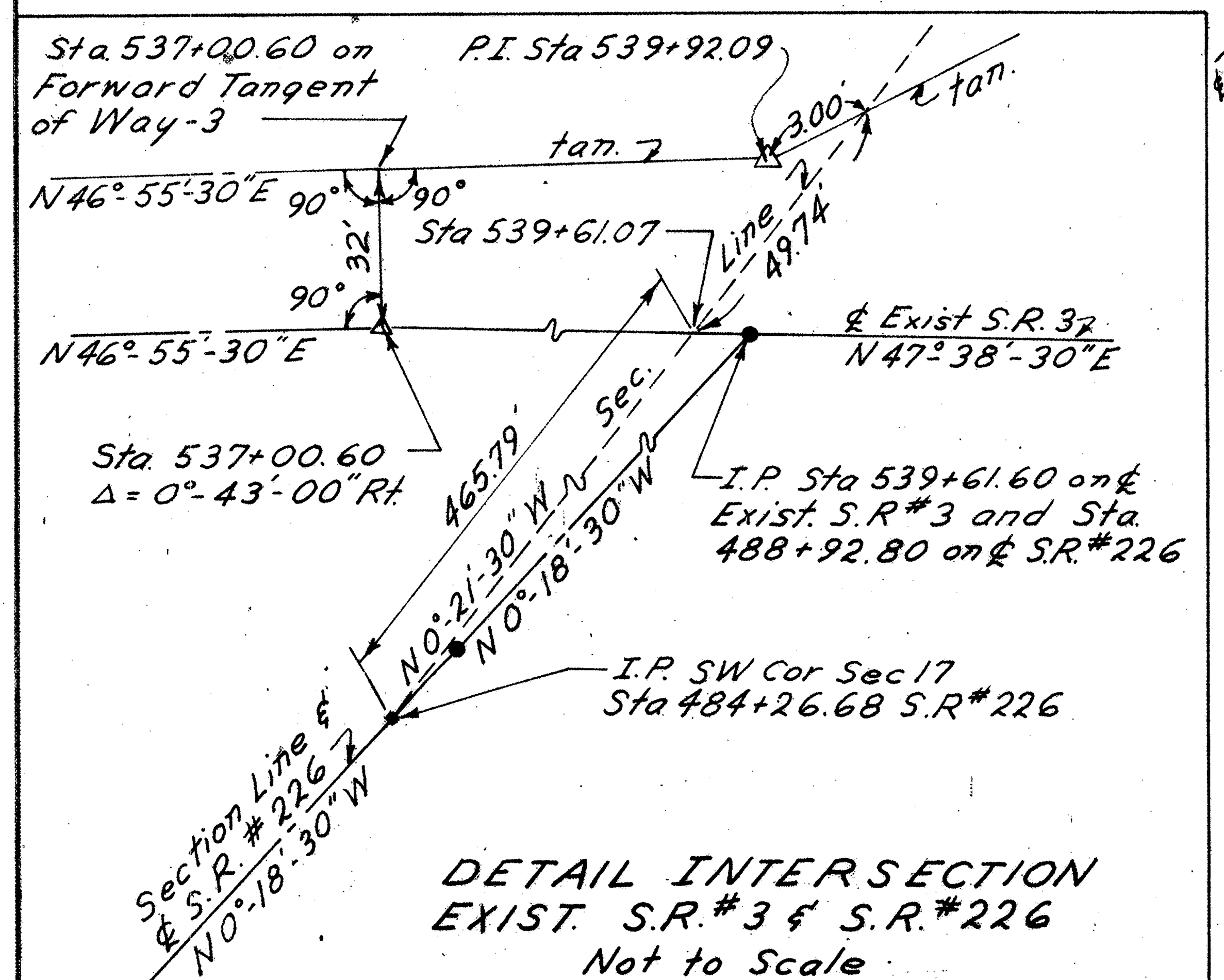
¢ WAY-3 Curve Data
P.I. Sta. 609+21.13
Δ = 13°-20'-10" Lt.
D = 1°-20'-00"
R = 4297.18'
L = 1000.21'
T = 502.37'
E = 29.27'

¢ Curve Data Relocated C.R. 174
P.C. 20+07.50
P.I. 21+39.71
P.T. 22+50.72
Δ = 55°-44'-30"
D = 22°-55'-06"
R = 250.00'
L = 243.22'
T = 132.21'
E = 32.80'

¢ Curve Data Relocated C.R. 139

	Curve #1	Curve #2	Curve #3
P.C.	17+80.40	22+13.52	26+30.79
P.I.	19+41.97	23+69.07	26+96.92
P.T.	20+98.21	24+98.52	27+59.84
Δ	25°-25'-30"	57°-00'-00"	30°-58'-20"
D	8°-00'-00"	20°-00'-00"	24°-00'-00"
R	716.20'	286.48'	238.73'
L	317.81'	285.00'	129.05'
T	161.57'	155.55'	66.13'
E	18.00'	39.50'	8.99'

END PROJECT WAY-3-9.94 STA. 631+85.43 Bk.
PROJECT U-1072 (3) STA. 49+79.68 Ahd.



DETAIL INTERSECTION
EXIST. S.R. #3 & S.R. #226
Not to Scale

LOCATION OF CENTERLINE REFERENCE MONUMENTS

	Station	Location	Dist. Lt.	Dist. Rt.
Way-3	P.C. 529+56.08	Right Angles	42'	
	535+00	On ¢		
	539+74.97	On ¢ Mid. Pt.		
	545+00	On ¢		
	P.T. 549+93.86	On ¢		
	556+50	On ¢		
	563+00	On ¢		
	570+00	On ¢		
	P.C. 574+58.99	On ¢		
	581+00	On ¢		
	587+27.45	On ¢ Mid. Pt.		
	594+14.92	On ¢		
	P.T. 599+95.92	On ¢		
	P.C. 604+18.76	On ¢		
	609+18.86	On ¢ Mid. Pt.		
	622+00	On ¢		
	630+00	On ¢		
Exist. S.R. 3	525+00	Right Angles	52'	50'
	529+56.08	Right Angles		42'
	537+00.60 Bk	Right Angles	15'	42'
	547+00	Right Angles	40'	40'
C.R.-139	23+69.07 P.I.	On Tangent		
C.R. 174	21+39.71 P.I.	On Tangent		

MONUMENT ASSEMBLIES

	Station	Location
S.R.-226	485+00	On ¢
	488+92.80 = 539+61.60 ¢ Ex. S.R. 3	On ¢
S.R.-95	159+00	On ¢
	162+00	On ¢
C.R.-139	17+80.40 P.C.	On ¢
	20+98.21 P.T.	On ¢
	22+13.52 P.C.	On ¢
	24+98.52 P.T.	On ¢
	26+30.79 P.C.	On ¢
	27+20.66	Rt. 3.28' Sec. Cor.
	27+59.84 P.T.	On ¢
C.R. 174	20+07.50 P.C.	On ¢
	22+50.72 P.T.	On ¢
WAY-3	P.T. 614+18.97	On ¢

FILED FOR RECORD ________ 1960
RECORDED ________ 1960
PLAT BOOK ________ PAGE ________

WAYNE COUNTY RECORDER

FEE ________

I here by certify this plat to be a true delineation of a survey made by Shaffer, Parrett and Associates of Mansfield and Wooster, Ohio.
Date: 9-23-60 by: Edgar R. Johnston
Registered Civil Engineer #16680
Registered Surveyor #3828

Approved by Division Deputy Director
Date: 10-7-60 Signed: [signature]

SUMMARY OF ADDITIONAL R/W REQUIRED

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

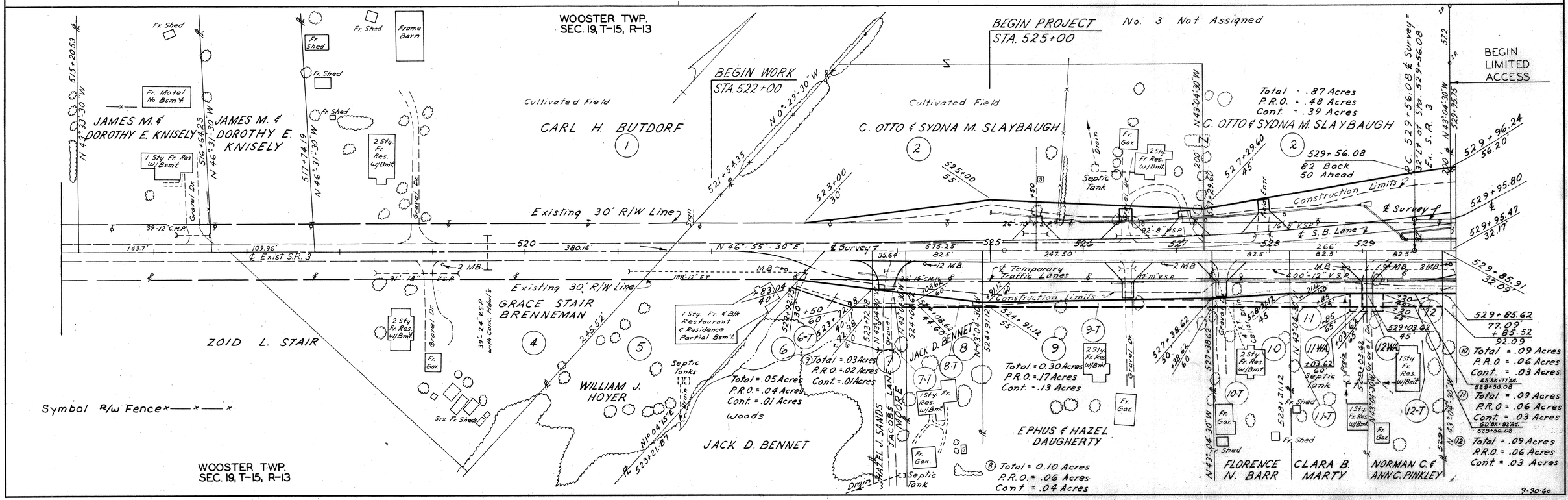
144/151

1/8

WAYNE COUNTY
WAY-3-9.94

PARCEL NO.	OWNER	AREA ACRES	EXIST. BLDG.	SHEET NO'S	REMARKS
1	Carl H. Butdorf	0		1	Additional R/W not required
2	C. Otto & Sydna M. Slaybaugh	0.39		1	
4	Grace Stair Brenneman	0		1	Additional R/W not required
5	William J. Hoyer	0		1	Additional R/W not required
6	Jack D. Bennet	0.01		1	
7	Hazel J. Sands Moore	0.01		1	Street
8	Jack D. Bennet	0.04		1	
9	Ephus & Hazel Daugherty	0.13		1	
10	Florence N. Barr	0.03		1	
11	Clara B. Marty	0.03		1	
11WA	Clara B. Marty	〃		1	
12	Norman C. & Ann C. Pinkley	0.03		1	
12WA	Norman C. & Ann C. Pinkley	〃		1	
13	C. Warden & Nora L. Sprowls	0.03		2	
13WA	C. Warden & Nora L. Sprowls	〃		2	
14	Richard C. & Jeanette Oberholtzer	0.05		2	
14WA-1	Richard C. & Jeanette Oberholtzer	〃		2	
14WA-2	Richard C. & Jeanette Oberholtzer	〃		2	
15	C. Warden Sprowls	0.14		2	
15WA	C. Warden Sprowls	〃		2	
18	Maud Shafer	0.02		2	
19	Nora C. Westfall	0		2	Additional R/W not required
20	Raymond H. & Mildred A. Shira	0		2	Additional R/W not required
21	Clifford B. & Eunice Mae Bishop	0.14	Yes	2	
23LA	Glenn E. & Marjorie B. Newland	0.17	Yes	2	
24LA	Clifford L. & Hazel M. Aber	0.19	Yes	2	
25LA	Arnold C. & Blanche Calame	4.51		2	
25-X	Arnold C. & Blanche Calame	0.23		2	
25	Arnold C & Blanche Calame	0.08		3	
26LA	Roberta F. Eckstein et al.	12.07		2,3,4	
26	Roberta F. Eckstein et al.	0.21		2	
26A	Roberta F. Eckstein et al.	0.78		2	
27LA	Umbert P. & Marjorie L. Noletti	4.06		4	
27	Umbert P. & Marjorie L. Noletti	0.05		4,8	
27A	Umbert P. & Marjorie L. Noletti	0.01		4,8	
28	Alvin W. & Bessie Lucille Swinehart	0		4,8	Lot 10,11, Additional R/W not required
30	Warren A. & Mae M. Lawrence	0		8	Lot 9, Additional R/W not required
31	Wm. C. & Betty Ann Hissner	0		8	Lot 8 Additional R/W not required
32	Opal Mae Weary	0.01		8	
33LA	Fred L. & Cora M. Jennings	6.19		4	
33	Fred L. & Cora M. Jennings	0.04		4,8	
33A	Fred L. & Cora M. Jennings	0.10		4,8	
34LA	William Cloyd Derr	4.06		4,5	
34	William Cloyd Derr	0.01		5,8	
34A	William Cloyd Derr	0.01		5,8	
34WA	William Cloyd Derr	〃		5,8	
35	Edmond E. & Pauline M. Jacobs	0.02		8	
36	Merle E. & Mary Lou Shanklin	0.02		8	
37	Donald J. & Norma J. Varns	0.02		5,8	
38	David M. & Joy E. Bishop	0.02		5,8	
39	T.E. & Myrtle Robb	0		5,8	Additional R/W not required
40LA	Luther C. & Edith I. Hothem	1.12		5	
40	Luther C. & Edith I. Hothem	1.86		5,8	
41LA	John J. Martin	6.48		5,6	
41	John J. Martin	1.82		5,6	
41A	John J. Martin	0.05		5	
41B	John J. Martin	0.27		6	
41WA	John J. Martin	〃		5,6	
42LA	Clarence R. & Ruth I. Barnes	0.36		6	
42A	Clarence R. & Ruth I. Barnes	0.18		6	
42	Clarence R. & Ruth I. Barnes	0.18		6	
42WA	Clarence R. & Ruth I. Barnes	〃		6	
43LA	Florence M. Barnes	6.28	Yes	6,7	
43	Florence M. Barnes	0.26		6	
43A	Florence M. Barnes	0.09		6	
43X	Florence M. Barnes	0.36		6	
44LA	Walter H. Jones	3.19		6,7	
44	Walter H. Jones	0.16		6	
44-X	Walter H. Jones	0.38		6	
44WA	Walter H. Jones	〃		6	

PARCEL NO.	OWNER	AREA ACRES	EXIST BLDG.	SHEET NO'S	REMARK
6T	Jack D. Bennet	0.04		1	
7T	Hazel J. Sands Moore	.02		1	
8T	Jack D. Bennet	0.01		1	
9T	Ephus & Hazel Daugherty	0.04		1	
10T	Florence N. Barr	0.02		1	
11T	Clara B. Marty	0.02		1	
12T	Norman C. & Ann C. Pinkley	0.02		1	
26T	Roberta F. Eckstein et al.	0.90		2	
26B	Roberta F. Eckstein et al.	0.48		3	



Sta. 515+00 to Sta. 530+00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

145/151

WAYNE COUNTY
WAY-3-9.94

2/8

Curve Data ¢ Survey Way-3
P.I. Sta. 539+92.09
Δ = 25°-28'-20"
D = 1°-15'-00"
R = 4583.66'
L = 2037.78'
T = 1036.01'
E = 115.62'

23LA
Total = 0.24 AC.
P.R.O. = 0.07 AC.
Cont. = 0.17 AC.

24LA
Total = 0.30 AC.
P.R.O. = 0.11 AC.
Cont. = 0.19 AC.

25LA
Total = 5.19 AC.
P.R.O. = 0.68 AC.
Cont. = 4.51 AC.

C. WARDEN SPROWLS
Total = .41 AC.
P.R.O. = .27 AC.
Cont. = .14 AC.

⑬ Total = .09 AC.
P.R.O = .06 AC.
Cont. = .03 AC.

⑭ Total = .13 AC.
P.R.O. = .08 AC.
Cont. = .05 AC.

⑱ Total = .08 AC.
P.R.O. = .06 AC.
Cont. = .02 AC.

㉑ CLIFFORD B. & EUNICE MAE BISHOP
Total = 0.47 AC.
P.R.O. = 0.33 AC.
Cont. = 0.14 AC.

㉖ Total = 0.48 AC.
P.R.O = 0.27 AC.
Cont = 0.21 AC.

26A Total = 1.62 Acres
P.R.O. = 0.84 Acres
Cont. = 0.78 Acres

Item SS-18 Type "A" Fence 1662.97 L.F.

Rev. 10-5-60
Rev. 9-29-60

WAY.-3-9.94 R/W 2/8

Sta. 530+00 to Sta. 545+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

WAYNE COUNTY
WAY-3-9.94

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WOOSTER TWP.
SEC. 18, T-15, R-13
ARNOLD C. & BLANCHE CALAME
Total - 0.19 Acres
P.R.O. - 0.11 Acres
Cont. - 0.08 Acres
25
℄ T.R. 442
30' R/W
Section Line
N. 0°-21'-30" W.
10+25 15'
10+00 30'
9+00 30'
7+50 30'
7+00 15'
℄ T.R. 442 7+00
544+05.88 @ 150'
5+50.25 @ ℄
8+50.98 30'
26B
Total = 0.64 Acres
P.R.O. = 0.16 Acres
Cont. = 0.48 Acres
547+00 @ 136.77'
7+97.36 @ 142.50'
WOOSTER TWP.
SEC. 17, T-15, R-13
ROBERTA F. ECKSTEIN ETAL.
26LA
P.T. 549+93.86
+93.86 105'
+50 125'
Construction Limits
Woods
545
546
547
548
549
550
551
552
553 N 21°-27'-10" E 554
555
556
557
558
559
560
Construction Limits
+93.86 115'
26LA
Total = 12.54 Acres
P.R.O. = 0.47 Acres
Cont. = 12.07 Acres
ROBERTA F. ECKSTEIN ETAL.
Woods
Curve Data ℄ Survey Way-3
P.I. 539+92.09
Δ = 25°-28'-20"
D = 1°-15'-00"
R = 4583.66'
L = 2037.78'
T = 1036.01'
E = 115.62'
WOOSTER TWP.
SEC. 17, T-15, R-13
Item SS-18 Type "A" Fence 3002.26 L.F.

Sta. 545+00 to Sta. 560+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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4
8

WAYNE COUNTY
WAY-3-9.94

WOOSTER TWP.
SEC. 17, T-15, R-13

For Continuation of S.R. 95
See Sheet 8

ROBERTA F. ECKSTEIN ETAL.

26LA

QR SEC. LINE

562+41.62
120'

562+89.50

68°-50'-40"

563+36.38
115'

Construction Limits

560 561 562 563 564 565 566 567 N 21°-27'-10" E 569 570 571 572 573 574 575

26LA Total = 12.54 Acres
P.R.O = 0.49 Acres
Cont. = 12.07 Acres

ROBERTA F. ECKSTEIN ETAL.

WOOSTER TWP.
SEC. 17, T-15, R-13

27LA

UMBERT P. & MARJORIE NOLETTI

Total = 0.11 Acres
P.R.O = 0.06 Acres
Cont. = 0.05 Acres

157+50
30'

22

158+29.5

569+80.42, 97.05'
158+65, 63.73'

570+46.27, 95'
159+06.76, 12.79'

570+00
105'

+00
115

27LA Total = 4.15 Acres
P.R.O = 0.09 Acres
Cont. = 4.06 Acres

UMBERT P. & MARJORIE NOLETTI

157+50
30'

OPAL MAE WEARY

32

158+29.5
N 0°-16' E
158+41.71
41.54'

Total = 0.14 Acres
P.R.O. = 0.10 Acres
Cont. = 0.04 Acres

33

FRED L. & CORA M. JENNINGS

N 73°-33'-10" E
571+33.59, 95'
159+60.56, 43'

Sta. 571+35.47 ℄ Way-3
= Sta. 160+36.45 on ℄ S.R. #95

33LA

574+58.99
95

Sta. 571+20.49 WAY. 3
11.87' Rt. 160+27.32 S.R. 95

160

52°-26'

52°-02'

572+02.34, 105'
161+60.45, 11.02'

161+69.28, 10.95'

574+58.99

P.C. 574+58.99

574+58.99
105'

570+00
105'

571+25
161+13.24, 72.39'

161+61.12, 41.01'

27A

28

1 Sty. Fr. Res. (w) Bmt

ALVIN W. & LUCILLE SWINEHART
0.72 AC.

12" Gas Lines EAST OHIO GAS

N 73°-33'-10" E

Gravel Dr.

573+10.105'
162+26.09, 74.32'

33A

FRED L. & CORA M. JENNINGS

Item SS-18 Type "A" Fence
2663.39 L.F.

For Continuation of
S.R. 95. See Sheet 8

WOOSTER TWP.
SEC. 17, T-15, R-13

581+00
125

FRED L. & CORA M. JENNINGS

33LA

577+65
107.31'

Construction Limits

575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590

579+50
100'

Total = 6.43 Acres
P.R.O. = 0.24 Acres
Cont. = 6.19 Acres

N 1°-13'-10" E
582+25.43
108.84'

584+60.83

N 21°-27'-10" E

N 58°-39'-40" E

585+91.68
95.84'

144°-04'

34LA Total = 4.27 Acres
P.R.O. = 0.21 Acres
Cont. = 4.06 Acres

WILLIAM CLOYD DERR

587+50
100'

586+20
90'

590+00
95'

34LA

WILLIAM CLOYD DERR

Item SS-18 Type A Fence 3001.50 L.F.

WOOSTER TWP.
SEC. 17, T-15, R-13

℄ Way-3 Curve Data
P.I. 587+74.00
Δ = 37°-12'-30"
D = 1°-28'-00"
R = 3906.53'
L = 2536.93'
T = 1315.01'
E = 215.39'

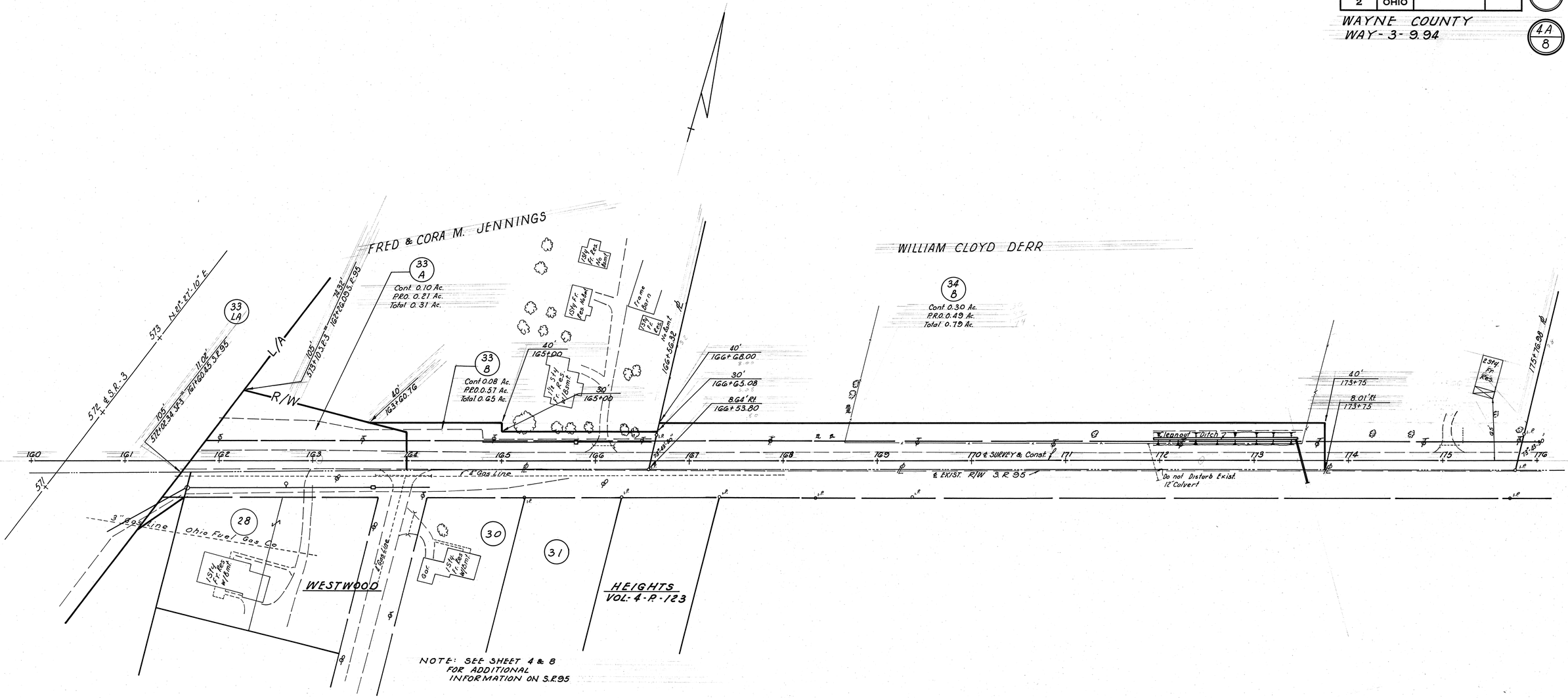
Rev. 9-27-60

Sta. 560+00 to Sta. 590+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

WAYNE COUNTY
WAY-3-9.94

4A / 8



NOTE: SEE SHEET 4 & 8 FOR ADDITIONAL INFORMATION ON S.R.95

WOOSTER TWP. SEC-17 T-15N R-13W

Rev: 5/24/62
4/26/62

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

148
151

5
8

WAYNE COUNTY
WAY-3-9.94

WOOSTER TWP.
SEC. 8, T-15, R-13

See Sheet 8 For Continuation of Co. Rd. 139 R/W

℄ Way - 3 Curve Data
P.I. 609+21.13
Δ = 13°-20'-10"
D = 1°-20'
R = 4297.18'
L = 1000.21'
T = 502.37'
E = 29.27'

P.T. 20+98.21

Cultivated Field

LUTHER C. & EDITH I. HOTHEM

40
Total = 2.34 Acres
P.R.O. = 0.48 Acres
Cont. = 1.86 Acres

595+04.21, 170'
24+03.34, 50'

+00 165'

S0°-19'-20"E

598+20.27 165'

+95.92 165'

Cultivated Field

JOHN J. MARTIN

+18.76 165'

605+00 165'

Construction Limits ℄

Q.R. SEC. LINE 597+09.50

℄ Frontage Rd

599+95.92 105'

41

+18.76 85'

604+18.76

Sec. Line ℄ Co. Rd. 139 N 89°-42'-30"W

PC. 22+13.52

Woods

WILLIAM CLOYD DERR

34-LA

593+01.01, 100'
22+58.88, 139.24'

595.3000 ℄ Way-3
Sta. 25+57.97 ℄ Reloc. Co. Rd. 139

40-LA
Total = 1.37 Acres
P.R.O. = 0.25 Acres
Cont. = 1.12 Acres

597+81.31 105'

41-LA
Total = 6.48 Acres
P.R.O. = 0.00 Acres
Cont. = 6.48 Acres

Construction Limits ℄

P.T. 24+98.52

601 N 58°-39'-40" E 602

Paved Gutter ℄

Paved Gutter ℄

20°06'57"

125°13"

PC. 26+30.79

℄ Way-3 = 594+14.72
℄ Exist Co. Rd. 139 = 24+26.49

596+32.81, 105'
27+08.75, 47.51'

PT 599+25.92

599+95.92 100'

Construction Limits ℄

604+18.76 100'

604+50 100.12'

604+50 150'

41-A
Total = 0.19 Acres
P.R.O. = 0.14 Acres
Cont. = 0.05 Acres

Cultivated Field

JOHN J. MARTIN

WOOSTER TWP.
SEC. 8, T-15, R-13

P.T. 27+39.82

596+00.84, 146.68'
27+20.66, 3.28'

41-WA

594+86.75 97.77'

594+72.79 98.52'

595+32.35 95'

34-A

34-WA

Total = 0.08 Acres
P.R.O. = 0.07 Acres
Cont. = 0.01 Acres

595+68.92, 178.34'
27+26.52, 42.74'

Woods

590+00 95'

WILLIAM CLOYD DERR

34-LA

Cultivated Field

℄ Way-3 Curve Data
P.I. 587+74.00
Δ = 37°-12'-30"
D = 1°-28'-00"
R = 3906.53'
L = 2536.93'
T = 1315.01'
E = 215.39'

WOOSTER TWP.
SEC. 17, T-15, R-13

S0°-17'-10"W 28+00.56

S0°-17'-10"W 28+95.56

29+25 30'

29+25 ℄

Existing Ditch

Concrete Gar.

1 STY Res. Conc. Blk. U/Bmt.

Gravel Dr.

+00.86 ℄ 100.16 40'

2 STY Res. Stone No Bmt.

+95.56 ℄ 40'

1½ STY Fr. Res. U/Bmt.

Gravel Dr.

Vr. G.

Wall

Existing 60' R/W

DONALD J. & NORMA J. VARNS

DAVID M. & JOY E. BISHOP

T.E. & MYRTLE ROBB

3-7

38

3-9

Item 88-18 Type A Fence 2660.17 L.F.

Sta. 590+00 to Sta. 605+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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8

WAYNE COUNTY
WAY-3-9.94

WOOSTER TWP.
SEC. 8, T-15, R-13

℄ Way - 3 Curve Data
P.I 609+21.13
Δ = 13° 20' 10"
D = 1° 20'
R = 4297.18'
L = 1000.21'
T = 502.37'
E = 29.27'

JOHN J. MARTIN

FLORENCE M. BARNES

CLARENCE R. & RUTH I. BARNES

Total = 0.18 Acres
P.R.O = 0.00 Acres
Cont = 0.18 Acres

Total = 0.09 Acres
P.R.O = 0.00 Acres
Cont. = 0.09 Acres

43LA
Total = 7.16 Acres
P.R.O. = 0.88 Acres
Cont. = 6.28 Acres

Total = 1.82 Acres
P.R.O = 0.00 Acres
Cont = 1.82 Acres

41LA
Total = 6.48 Acres
P.R.O. = 0.00 Acres
Cont. = 6.48 Acres

Total = 0.36 Acres
P.R.O. = 0.00 Acres
Cont. = 0.36 Acres

Total = 0.36 Acres
P.R.O. = 0.00 Acres
Cont. = 0.36 Acres

Total = 0.22 Acres
P.R.O = 0.04 Acres
Cont. = 0.18 Acres

Total = 0.51 Acres
P.R.O. = 0.24 Acres
Cont = 0.27 Acres

Curve Data
P.I. 23+36.87 =
614+18.97 ℄ Way-3
Δ = 55° 44' 30"
D = 22° 55' 06"
R = 250'
T = 132.21'
L = 243.22'

Curve Data
P.I. 25+28.50 =
617+40.31 ℄ Way-3
Δ = 34° 15' 30"
D = 7° 30'
R = 763.96'
L = 456.78'
T = 235.51'

43
Total = 0.40 Acres
P.R.O. = 0.14 Acres
Cont. = 0.26 Acres

44
Cont. = 0.16 Acres
Total = 0.16 Acres

44LA
Cont. = 3.19 Acres
P.R.O. = 0.94 Acres
Total = 4.13 Acres

44X
Cont. = 0.38 Acres
Total = 0.38 Acres

WALTER H. JONES

Item SS-18 Type A Fence 2460.62 L.F.

Fence Rev. 3-15-61 J.E.C.

Sta. 605+00 to Sta. 620+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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7
8

WAYNE COUNTY
WAY-3-9.94

WOOSTER TWP.
SEC. 8, T-15, R-13

END WORK
STA. 632+85.43

QR. SEC. LINE

FLORENCE M. BARNES

43LA

END PROJECT
STA. 631+85.43

12" Gas Line
622+89.75

East Ohio Gas Co.
(Monican)

Construction Limits

Uncultivated Field

Woods

40'

56'

60'

628+55.75
100'

R/W Acquired Under
WAY-30-9.50

CORP. LINE WAY 30-9
49+79.68

632+85.43

620 621 N 45°-19'-30" E 622 623 624 625 626 627 628 ℄ Survey 629 630 631 50 51 52

℄ Ex. C.H. 174 (Columbus Ave.)

188°-40'

46°-19'

44LA Cont. 3.19 Acres
P.R.O. 0.94 Acres
Total 4.13 Acres

632+77.90
8" Gas Line
Buckeye Pipe Line Co.

N 0°-59'-30" W
WOOSTER EQUATION

Sec. 8

Sec. 9

Construction Limit

628+55.75
100'

WALTER H. JONES

Uncultivated Field

PROJECT-U-1072(3)
STA. 49+79.68

CITY OF WOOSTER

WOOSTER TWP.
SEC. 8, T-15, R-13

Item 55-18 Type A Fence 1408 L.F.

Fence Rev. 3-15-61 J.E.C.

Sta. 620+00 to Sta. 631+85.43

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

151/151

8/8

WAYNE COUNTY

WAY-3-9.94

WOOSTER TWP.
SEC. 17, T-15, R-13

WOOSTER TWP.
SEC. 8, T-15, R-13

WOOSTER TWP.
SEC. 17, T-15, R-13

WILLIAM G. & KATHLEEN B. WEARY

OPAL MAE WEARY

FRED & CORA M. JENNINGS

UMBERT P. & MARJORIE L. NOLETTI

ALVIN W. & BESSIE LUCILLE SWINEHART

WESTWOOD HEIGHTS VOL.-4-P-123

WARREN A. & MAE M. LAWRENCE — Lot. No. 9

WILLIAM C. & BETTY ANN HISSNER — Lot No. 8

Lot. No.

EDMUND E. & PAULINE M. JACOBS

MERLE E. & MARY LOU SHANKLIN

WILLIAM CLOYD DERR

LUTHER C. & EDITH H. HOTHEM

JOHN J. MARTIN

DONALD J. & NORMA J. VARNS

T.E. & MYRTLE ROBB

DAVID M. & JOY E. BISHOP

Ohio Fuel Gas Co. 3" Gas Line 157+65

Property Line

℄ of Road & ℄ of Survey

Total = 0.10 Acres
P.R.O. = 0.09 Acres
Cont. = 0.01 Acres

Total = 0.14 Acres
P.R.O. = 0.10 Acres
Cont. = 0.04 Acres

Total = 0.31 Acres
P.R.O. = 0.21 Acres
Cont. = 0.10 Acres
Cultivated Field

Total = 0.11 Acres
P.R.O. = 0.06 Acres
Cont. = 0.05 Acres
Cultivated Field

Cultivated Field 159+60, 56.43' 571+33.59, 95'

Construction Limits

60' R/W

Sta. 155+31.40 ℄ S.R. 95
Δ = 3°-11'-30" Rt.
℄ Δ = 15.45' Rt. Sta 160+31.64
Δ = 2°-12' Rt. (℄)

N 70°-41'-40" E 154
N 71°-17'-10" E 104.66' ℄ 84 End of 4" Gas ℄ EAST OHIO GAS CO.

Sta 158+29.5 N 0°-16' E

N 21°-27'-10" E

Sta 160+36.45 ℄ S.R. 95 = Sta 571+35.47 ℄ Way-3

℄ Way-3 569

℄ Sta 571+20.49 = 11.87' Rt. 160+27.32 S.R. 95

Total = 0.02 Acres
P.R.O. = 0.01 Acres
Cont. = 0.01 Acres

570+00 105'

29 Not Assigned

Dedicated For Street

See Sheet 4 & 4A for additional information

Cont. = 0.38
P.R.O. = 0.63
Temp. 1.07

Relocated C.R. 139 Curve Data #1
P.I. 19+41.97
Δ = 25°-25'-30"
D = 8°-00'
R = 716.20'
L = 317.81'
T = 161.57'

See Sheet 5 for additional information

Relocated C.R. 139 Curve Data #3
P.I. 26+96.92
Δ = 30°-58'-20"
D = 24°-00'
R = 238.73'
T = 66.13'
L = 129.05'
E = 8.99'

Relocated C.R. 139 Curve Data #2
P.I. 23+69.07
Δ = 57°-00'
D = 20°-00'
R = 286.48'
L = 285.00'
T = 155.55'

Total = 2.34 Acres
P.R.O. = .48 Acres
Cont. = 1.86 Acres

Cont. = .01 Acres

35 Total = .09 Acres
P.R.O. = .07 Acres
Cont. = .02 Acres

36 Total = .09 Acres
P.R.O. = .07 Acres
Cont. = .02 Acres

37 Total = .08 Acres
P.R.O. = .06 Acres
Cont. = .02 Acres

38 Total = .09 Acres
P.R.O. = .07 Acres
Cont. = .02 Acres

41A Total = .19 Acres
P.R.O. = .14 Acres
Cont. = .05 Acres

Rev: Added parcel "39B" and 39B 9-30-60

WAY-3-9.94 R/W 8/8

Sta. 153+00 to Sta. 168+00 S.R.-95 & Sta. 15+00 to Sta. 30+00 C.R.-139

TE-54-A
100-5-59

GENERAL INFORMATION

INTRODUCTION

The project consists of the major relocation of 2.2 miles of SR 3, beginning along existing SR 3 approximately 2000 feet southwest of the SR 3 - SR 226 junction and extending northeastward across open country ending at the Wooster corporation line, on Columbus Avenue, approximately 1000 feet southwest of the Columbus Avenue-Relocated USR 30 intersection. In addition to SR 3, the following improvements are to be made on these intersecting and associated roads: SR 226 (grade change), SR 95 (grade change), County Road 139 (relocation), and the relocation of Columbus Avenue (County Road 174).

The plans indicate the following regarding the proposed grade:

SR 3 - maximum depth of cut, 23 feet; fill embankment, maximum height of 34 feet (in the vicinity of the approaches to the Killbuck Creek structure), but generally less than 20 feet in height.

SR 226 - slight fill embankment - less than 2 feet in height.

SR 95 - slight cut and fill, less than 2 feet in depth and height, respectively.

County Road 139 - cut, maximum depth of 7 feet.

Columbus Avenue - maximum cut, 4 feet in depth; and fill, maximum height of 11 feet.

GEOLOGY OF THE SITE

The project is located within the boundaries of the moderately dissected Allegheny Plateau. Glacial drift in the upland portion (the first 1.8 miles) of the project ranges from 0 to in excess of 30 feet in depth. The final 1700 feet of the alignment lies on the broad flood plain of Killbuck Creek where alluvial deposits attain a thickness of at least 36 feet. Local bedrock consists of shale and sandstone, Mississippian in age.

EXPLORATION

Exploratory borings were made by means of truck mounted mechanical earth auger between April 20 and May 25, 1960 and by rotary-type drill rig between May 11 and May 13, 1960. Included with this report is information provided by two drive sample-core borings, made on May 17 and 18, 1960 in conjunction with the proposed Killbuck Creek structure investigation.

INVESTIGATIONAL FINDINGS

Borings disclose the following:

SR 3 Immediately below grade, materials consist predominantly of silts, in the A-4 classifications, as well as sandstone and shale bedrock. Frost susceptible silts were encountered within three feet of proposed grade between Stations 522+50 and 533+00, and at Stations 595+50 and 610+50. It is anticipated bedrock will be encountered in the excavations at the following locations:

Stations 550+50 to 562+00 - sandstone at grade, ditches and backslopes.

Stations 576+00 to 593+00 - either shale or sandstone at grade, ditches and backslopes (although bedrock apparently does not occur at grade at Station 594+50, it is expected this irregularity is localized and will not offset the overall assumption that bedrock will be encountered at or below grade within this interval).

In the embankment foundation areas, materials, for the most part, in the upland portion of the project, consist of dry to moist silts, in the A-4a classification and minor amounts of silt clay and clay, in the A-6a and A-7-6 classifications. In the Killbuck Creek flood plain area, the embankment foundation soils consist of generally moist to wet, compressible, silts, silt clays, clays, elastic silts and elastic clays, in the A-4, A-6, A-7-6, A-5, and A-7-5 classifications, respectively. These soils range in occurrence from ground surface to in excess of 30 feet in depth. The majority of the soils, in particular, the silts, are contaminated with organic materials.

SR 226 - materials in the embankment foundation consist of sandy silt, in the A-4a classification.

SR 95 - in the cut area, materials consist of frost susceptible silt, in the A-4b classification; in the embankment foundation, sandy silt and silty clay, in the A-4a and A-6a classifications.

County Road 139 Material below grade, in the proposed cut area consists of silt (frost susceptible) as well as shale and sandstone bedrock. It is anticipated bedrock will be encountered at or very near grade between approximately Stations 19+50 and 21+50.

Columbus Avenue Materials immediately below grade consist of sandy silt, in the A-4a classification, frost susceptible at Station 19+00.

LEGEND FOR PROJECT-AVERAGE RESULTS OF TESTS- 596 SAMPLES TESTED

DESCRIPTION	H. R. B. CLASS	OHIO CLASS	% AGG.	% C. SAND	% F. SAND	% SILT	% CLAY	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
Gravel and stone fragments	A-1-a (0)	A-1-a	62	19	10	6	3	NP	NP	14	21
Gravel and stone fragments with sand	A-1-b(0)	A-1-b	42	27	18	8	5	NP	NP	16	41
Fine sand	A-3 (0)	A-3	17	27	46	-10-		NP	NP	18	1
Coarse and fine sand	----	A-3a	7	23	50	-20-		NP	NP	24	21
Gravel and stone fragments with sand and silt	A-2-4(0)	A-2-4	39	14	17	22	8	NP	NP	16	13
Sandy silt	A-4 (4)	A-4a	13	7	23	39	18	27	2	27	102
Silt	A-4 (8)	A-4b	1	1	14	58	26	34	3	30	135
Elastic silt and clay with organic material unless otherwise noted	A-5 (8)	A-5	0	4	28	45	23	50	2	56	13
Silt and clay	A-6 (9)	A-6a	4	2	5	50	39	35	12	27	55
Silty clay	A-6 (11)	A-6b	3	2	5	47	43	37	17	26	8
Elastic clay without organic material unless otherwise noted	A-7-5 (14)	A-7-5	0	1	6	42	51	57	17	43	18
Clay	A-7-6 (12)	A-7-6	0	1	3	45	51	44	17	33	33
Clay bedrock			VISUAL CLASSIFICATION								
Weathered shale			VISUAL CLASSIFICATION								
Weathered sandstone			VISUAL CLASSIFICATION								
Shale			VISUAL CLASSIFICATION								16
Sandstone			VISUAL CLASSIFICATION								12
Wood Log											2

Sod and/or Topsoil-X'-Approximate depth.

Berm material

Auger boring - plan view.

Drive sample-core boring - plan view.

Auger boring plotted to vertical scale only.

Drive sample-core boring plotted to vertical scale only.

(X/Y) Number of blows for "Standard Penetration" test.
X=number of blows for the first 6 inches.
Y=number of blows for the second 6 inches.

● Water content nearly equal to or greater than liquid limit.

⊖ Indicates a non-plastic material with high water content.

W Free water ▼ Static water level

B Indicates broken rock interval.

NOTE: Small vertical figures beside borings indicate loss on ignition. e.g. 15%

NOTE: Figures beside borings indicate water content in percent. e.g. 15

Samples Tested
Lab. Nos. So.

53914-54005 incl.,
55120-55206 incl.,
55547-55618 incl.,
57126-57127 incl.,
57142-57152 incl.,
58461-58608 incl.,
58619-58782 incl.

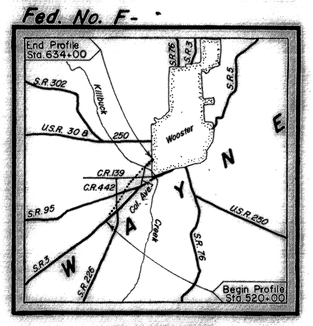
Revised
10/10/60

SOIL PROFILE
WAYNE COUNTY
WAY-3-9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

1/15

NOTE: INFORMATION SHOWN BY THIS SUBGRADE PROFILE WAS OBTAINED SOLELY FOR USE IN ESTABLISHING DESIGN CONTROLS FOR THE PROJECT. THE STATE OF OHIO DOES NOT GUARANTEE THE ACCURACY OF THIS DATA AND IT IS NOT TO BE CONSTRUED AS A PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT.

Fed. No. F-



LOCATION MAP

Recon - N.P.L. - 4-14-60
Auger - J.R.G., C.E.G., J.A.G. - 4-20-to-5-25-60
Drive Sample-Core - R.L.S. - 5-11-to-13-60
Drafting - L.N.L., D.M. - 6-23-60

Supplemental
Auger - J.R.G. - 6-27-to-6-29-60
Drafting - R.A.W., J.B.M. - 10-10-60

TE.54.B
900.5.59

Revised
10/10/60

SOIL PROFILE
WAYNE COUNTY
WAY - 3 - 9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

2
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SUMMARY OF SOIL TEST DATA

NOTE: NP shown in Liquid Limit and Plasticity Index columns indicates that the material is non-plastic.
*Denotes sample taken at or near grade.

Station & Offset	Depth From To	% Agg	% C S	% FS	% Silt	% Clay	LL	PI	% W C	SHTL Class
Proposed Relocated S.R. 3										
522+50 15'LT	0.5-3.0	0	3	7	63	27	NP	NP	23	A-4b*
	3.0-6.0	0	1	4	65	30	38	15	25	A-6a
	6.0-11.0	18	11	18	33	20	NP	NP	13	A-4a
	11.0-14.0	21	10	15	33	21	27	7	14	A-4a
526+00 17'LT	0.3-2.0	6	3	6	60	25	NP	NP	29	A-4b*
	2.0-6.0	0	1	4	62	33	38	17	28	A-6b
	6.0-8.0	19	7	17	36	21	27	7	18	A-4a
	8.0-10.0	23	10	19	32	16	NP	NP	13	A-4a
	10.0-12.0	15	13	19	35	18	NP	NP	13	A-4a
529+80 15'RT	0.3-3.0	15	7	14	37	27	28	9	20	A-4a*
	3.0-5.0	24	5	16	36	19	23	2	14	A-5a
	5.0-10.0	78	1	10	7	4	NP	NP	17	A-1-a
	10.0-12.0	60	4	12	12	12	NP	NP	17	A-1-b
533+00 CL	1.0-3.0	14	7	18	38	23	30	10	18	A-4a
	3.0-5.0	18	7	19	37	19	28	7	20	A-4a*
	5.0-10.0	7	4	18	49	22	NP	NP	16	A-4a*
	10.0-14.0	3	2	24	52	19	NP	NP	24	A-4b
	14.0-16.0	21	6	17	38	18	NP	NP	15	A-4a
537+00 CL	1.0-4.0	20	4	16	36	24	29	8	20	A-4a
	4.0-7.0	16	7	17	39	21	25	7	20	A-4a
	7.0-12.0	14	7	19	39	21	NP	NP	14	A-4a
	12.0-15.0	57	3	16	16	8	NP	NP	13	A-1-b
541+00 CL	1.0-4.0	19	4	13	40	24	34	15	19	A-6a
	4.0-7.0	10	7	21	40	22	NP	NP	19	A-4a
	7.0-12.0	15	7	28	27	23	NP	NP	16	A-4a
	12.0-14.0	20	12	25	32	11	NP	NP	17	A-4a
	14.0-16.0	17	6	15	43	19	NP	NP	13	A-4a
	16.0-18.0	78	3	7	10	2	NP	NP	18	A-1-a
544+00 CL	0.0-2.0	0	3	4	62	31	NP	NP	27	A-4b
	2.0-4.0	26	6	13	30	25	32	8	22	A-4a
	4.0-8.0	25	5	11	35	24	30	8	16	A-4a
	8.0-11.5	31	5	13	33	18	26	5	17	A-4a
	11.5-16.0	69	2	11	11	7	NP	NP	25	A-1-b
548+00 CL	1.0-6.0	19	5	17	38	21	28	8	17	A-4a
	6.0-12.0	27	3	6	34	30	33	11	10	A-6a
552+00 CL	0.5-4.0	6	5	17	39	33	33	14	17	A-6a
	4.0-10.0	Brown Broken Sandstone							10	Visual
556+00 CL	0.5-5.0	36	1	26	28	9	NP	NP	12	A-4a
	5.0-9.0	Brown Broken Sandstone							10	Visual
	9.0-11.0	Brown Broken Sandstone							8	Visual
560+00 CL	0.5-3.0	20	6	15	38	21	NP	NP	10	A-4a
	3.0-6.0	Brown Broken Sandstone							10	Visual
562+75 CL	0.5-3.0	12	5	12	45	26	32	12	19	A-6a *
	3.0-8.0	Brown Broken Sandstone							15	Visual
	8.0-12.0	Brown Broken Sandstone							15	Visual
567+00 CL	1.0-4.0	0	1	2	58	39	42	18	24	A-7-6
	4.0-6.0	13	3	17	51	16	NP	NP	19	A-4b
571+20 CL	0.5-5.0	19	7	15	34	25	32	12	17	A-6a *
	5.0-10.0	23	5	16	37	19	29	7	12	A-4a
	10.0-13.0	Gray Broken Shale							12	Visual
574+00 CL	0.5-2.5	24	6	14	31	25	32	12	18	A-6a *
	2.5-6.0	22	12	33	20	13	NP	NP	18	A-2-4*
	6.0-11.0	15	4	19	41	21	NP	NP	15	A-4a
	11.0-12.0	10	5	16	43	26	26	7	15	A-4a
578+00 CL	1.0-5.0	70	2	8	16	4	NP	NP	14	A-1-b
	5.0-9.0	Gray Broken Shale							13	Visual
	9.0-11.0	Gray Broken Shale							9	Visual
582+00 CL	1.0-5.0	24	8	19	32	17	NP	NP	16	A-4a
	5.0-9.0	Brown Broken Shale							10	Visual
	9.0-13.0	Brown Broken Shale							15	Visual*
	13.0-14.0	Brown Broken Shale							9	Visual*

Station & Offset	Depth From To	% Agg	% C S	% FS	% Silt	% Clay	LL	PI	% W C	SHTL Class
584+50 CL	0.5-4.0	5	2	4	62	27	37	11	21	A-6a
	4.0-8.0	26	4	15	33	22	30	18	19	A-6b *
	8.0-10.0	Gray Broken Shale							10	Visual*
588+50 CL	0.5-4.0	1	1	7	67	24	NP	NP	23	A-4b
	4.0-8.0	Brown Broken Sandstone							12	Visual*
	8.0-10.0	Brown Broken Sandstone							15	Visual
	10.0-13.0	Brown Broken Sandstone							14	Visual
592+00 CL	1.0-4.0	Brown Broken Sandstone							10	Visual
595+80 CL	0.5-3.0	6	3	9	55	27	NP	NP	19	A-4b *
	3.0-6.0	Brown Broken Shale							10	Visual
	6.0-9.0	Brown Broken Shale							12	Visual
599+00 CL	1.0-5.0	13	6	22	38	21	24	4	18	A-4a
	5.0-9.0	31	7	16	32	14	23	3	15	A-4a
	9.0-10.0	36	6	23	24	11	20	2	17	A-2-4
601+50 CL	1.0-4.0	0	1	8	66	25	29	8	20	A-4b
	4.0-6.0	10	7	17	53	13	NP	NP	21	A-4b
	6.0-8.0	83	4	4	-9-		NP	NP	12	A-1-a
	8.0-9.5	18	10	21	35	16	25	5	16	A-4a
605+60 CL	1.0-4.0	10	8	22	36	24	24	6	17	A-4a
	4.0-6.0	35	20	31	-14-		NP	NP	10	A-1-b
	6.0-8.0	18	18	29	21	14	NP	NP	16	A-2-4 *
608+50 CL	0.5-4.0	0	10	21	39	30	26	8	18	A-4a
	4.0-9.0	7	8	30	34	21	NP	NP	16	A-4a
	9.0-12.0	20	19	32	17	12	NP	NP	20	A-3a
	12.0-15.0	29	9	20	30	12	NP	NP	17	A-4a
	15.0-18.0	19	6	24	40	11	NP	NP	18	A-4a
	18.0-23.0	51	29	10	-10-		NP	NP	7	A-1-a *
	23.0-25.0	45	21	12	16	6	NP	NP	10	A-1-b
	25.0-30.0	20	7	14	40	19	NP	NP	12	A-4a
611+50 CL	0.5-2.0	8	11	14	49	18	NP	NP	16	A-4a *
	2.0-3.5	46	17	19	11	8	NP	NP	16	A-1-b *
	3.5-7.0	18	5	15	41	21	NP	NP	14	A-4a *
	7.0-8.0	18	12	16	37	17	NP	NP	20	A-4a
	8.0-13.0	18	6	13	43	20	NP	NP	12	A-4a
	13.0-18.0	21	5	10	45	19	NP	NP	10	A-4a
614+75 CL	0.3-2.0	5	6	8	46	35	32	11	29	A-6a
	2.0-5.0	0	3	7	38	52	38	17	23	A-6b
	5.0-10.0	21	1	1	39	38	38	11	15	A-6a
	10.0-11.0	Brown Broken Shale							9	Visual
616+00 40'RT	0.3-2.0	16	9	9	47	19	26	4	28	A-4a
	2.0-7.0	0	2	3	44	51	35	12	17	A-6a
	7.0-11.0	44	1	2	31	22	32	11	16	A-6a
616+75 CL	0.3-2.0	13	6	8	50	23	NP	NP	27	A-4b
	2.0-4.0	36	7	7	34	16	NP	NP	20	A-4a
	4.0-6.0	Brown Broken Sandstone							13	Visual
618+00 100'LT	0.5-3.0	22	8	19	37	14	NP	NP	18	A-4a
	3.0-5.0	0	4	17	43	36	37	12	30	A-6a
	5.0-9.0	0	2	7	57	34	32	13	24	A-6a
	9.0-12.5	0	1	7	65	27	30	11	31	A-6a
	12.5-14.5	0	0	12	66	22	NP	NP	31	A-4b
	14.5-17.5	0	0	19	58	23	NP	NP	34	A-4b
	17.5-20.0	0	0	2	44	54	40	19	30	A-6b
	20.0-25.0	0	0	4	64	32	28	7	29	A-4b
	25.0-27.5	0	0	23	54	23	22	NP	25	A-4b
	27.5-29.0	0	2	15	56	27	NP	NP	30	A-4b
	29.0-30.0	0	1	5	64	30	28	7	30	A-4b
	30.0-35.0	49	32	8	-11-		NP	NP	16	A-1-b
618+00 50'LT	1.0-6.0	0	1	9	62	28	27	6	26	A-4b
	6.0-10.0	0	1	14	58	27	28	5	26	A-4b
	10.0-12.0	0	1	19	56	24	NP	NP	32	A-4b
	12.0-15.0	0	0	18	52	30	26	4	37	A-4b
	15.0-19.0	0	0	4	51	45	35	14	28	A-6a
	19.0-23.0	0	0	15	66	19	NP	NP	26	A-4b
	23.0-27.0	0	1	24	52	23	NP	NP	29	A-4b
	27.0-32.0	28	27	11	24	10	NP	NP	17	A-2-4
	32.0-34.0	24	10	5	35	26	31	11	15	A-6a

Station & Offset	Depth From To	% Agg	% C S	% FS	% Silt	% Clay	LL	PI	% W C	SHTL Class
619+00 90'LT	0.8-3.0	0	1	7	52	40	37	9	27	A-4b
	3.0-5.0	0	2	9	49	40	40	15	29	A-6a
	5.0-8.0	0	1	10	59	30	38	14	27	A-6a
	8.0-12.0	0	0	16	59	25	NP	NP	31	A-4b
	12.0-15.0	0	1	44	42	13	NP	NP	31	A-4a
	15.0-19.0	0	0	13	53	34	31	8	28	A-4b
	19.0-23.0	11	10	23	39	17	18	NP	26	A-4a
	23.0-26.0	38	39	14	-9-		NP	NP	15	A-1-b
	26.0-28.0	5	39	43	-13-		NP	NP	21	A-3a
619+00 40'LT	0.0-2.0	0	1	11	54	34	33	8	30	A-4b
	2.0-3.0	0	1	2	49	48	43	19	28	A-7-6
	3.0-5.0	0	0	2	50	48	41	14	29	A-7-6
	5.0-10.0	0	0	6	59	35	33	9	27	A-4b
	10.0-14.0	0	1	25	44	30	NP	NP	29	A-4a
	14.0-16.0	0	1	27	48	24	55	20	31	A-7-5
	16.0-19.0	0	0	5	46	49	33	16	39	A-7-6
	19.0-21.0	0	0	4	59	37	34	12	27	A-6a
	21.0-25.0	10	35	30	14	11	NP	NP	20	A-3a
	25.0-29.0	25	46	19	-10-		NP	NP	15	A-1-b
619+00 60'RT	0.5-1.5	0	1	4	51	44	35	10	27	A-4b
	1.5-4.5	0	4	5	53	38	35	11	26	A-6a
	4.5-8.0	0	2	8	53	43	39	16	29	A-6b
	8.0-9.5	0	1	8	56	35	29	7	31	A-4b
	9.5-13.5	0	0	23	59	18	NP	NP	33	A-4b
	13.5-15.5	0	1	6	60	33	29	13	25	A-6a
	15.5-17.5	0	0	6	67	27	NP	NP	22	A-4b
	17.5-20.0	0	0	5	64	31	NP	NP	25	A-4b
	20.0-25.0	7	7	29	41	16	NP	NP	26	A-4a
	25.0-27.0	34	37	16	-13-		NP	NP	18	A-1-b
619+00 100'RT	0.5-3.0	0	1	5	50	44	35	10	27	A-4b
	3.0-5.5	0	0	6	60	34	30	10	23	A-4b
	5.5-8.0	0	0	8	62	30	30	8	26	A-4b
	8.0-13.0	0	1	10	65	24	NP	NP	30	A-4b
	13.0-15.0	0	1	20	60	19	NP	NP	37	A-4b
	15.0-20.0	0	0	26	53	21	NP	NP	33	A-4b
	20.0-25.0	0	0	34	46	20	NP	NP	31	A-4a
	25.0-28.0	37	35	15	-13-		NP	NP	18	A-1-b
620+00 85'LT	0.8-3.0	0	1	3	57	39	39	11	28	A-6a
	3.0-5.5	0	1	4	50	45	39	14	27	A-6a
	5.5-7.0	0	0	1	47	52	46	18	34	A-7-6
	7.0-9.0	0	0	2	62	36	36	6	36	A-4b
	9.0-13.0	0	0	15	66	19	NP	NP	39	A-4b
	13.0-16.0	0	0	36	40	18	NP	NP	40	A-4a
	16.0-21.5	0	1	21	58	20	24	3	33	A-4b
	21.5-26.0	50	21	13	12	4	NP	NP	14	A-1-b
620+00 40'LT	0.0-1.5	0	0	2	63	35	36	7	29	A-4b
	1.5-3.0	0	1	3	58	38	NP	NP	28	A-4b
	3.0-5.0	0	2	4	55	39	36	12	30	A-6a
	5.0-8.0	0	0	1	56	43	43	15	35	A-7-6
	8.0-13.0	0	1	11	63	25	NP	NP	49	A-4b
	13.0-14.0	0	0	30	51	19	NP	NP	35	A-4b
	14.0-16.0	0	0	26	52	22	NP	NP	33	A-4b
	16.0-18.0	0	0	4	52	44	32	20	22	A-7-6
	18.0-20.0	0	0	4	63	33	31	8	26	A-4b
	20.0-23.0	0	1	21	55	23	NP	NP	29	A-4b
	23.0-28.0	38	33	18	-11-		NP	NP	12	A-1-b
620+00 90'RT	0.5-3.5	0	3	10	53	34	31	9	24	A-4b
	3.5-5.0	0	1	4	55	40	35	16	28	A-6b
	5.0-10.0	0	0	8	65	27	NP	NP	33	A-4b
	10.0-13.0	0	0	13	65	22	NP	NP	29	A-4b
	13.0-15.0	0	0	34	50	16	NP	NP	54	A-4b
	15.0-18.0	0	0	34	56	18	39	11	44	A-4b
	18.0-23.0	23	46	18	-13-		NP	NP	20	A-1-b
	23.0-26.0	27	34	31	-8-		NP	NP	18	A-1-b
	26.0-28.0	20	52	19	-9-		NP	NP	16	A-1-b
620+27 40'RT	0.5-3.5	0	1	7	55	37	29	8	24	A-4b
	3.5-7.0	0	1	9	57	33	30	9	29	A-4b
	7.0-9.0	0	1	1	53	35	42	8	27	A-5
	9.0-10.0	0	2	6	65	27	79	26	34	A-7-5
	10.0-15.0	0	1	18	56	25	NP	NP	32	A-4b
	15.0-17.0	0	1	28	50	21	NP	NP	35	A-4b
	17.0-20.0	0	1	6	70	23	39	6	41	A-4b
	20.0-21.5	0	1	13	36	50	NP	NP	26	A-4a
	21.5-25.0	52	26	10	-12-		NP	NP	14	A-1-a
	25.0-27.0	11	45	36	-8-		NP	NP	21	A-3a

Station & Offset	Depth From To	% Agg	% C S	% FS	% Silt	% Clay	LL	PI	% W C	SHTL Class
621+00 80'LT	1.0-3.0	0	1	3	43	53	39	17	26	A-6b
	3.0-8.0	0	1	2	52	45	38	10	33	A-4b
	8.0-11.0	0	0	2	22	76	35	9	30	A-4b
	11.0-15.0	0	0	1	32	67	19	NP	31	A-4a
	15.0-17.0	35	10	18	25	12	NP	NP	19	A-4a
	17.0-20.5	0	2	12	62	24	NP	NP	26	A-4b
	20.5-26.0	60	24	15	-1-		NP	NP	10	A-1-a
621+00 40'LT	0.0-2.0	0	0	3	59	38	37	10	30	A-4b
	2.0-5.0	0	1	3	58	38	45	18	24	A-7-6
	5.0-8.0	0	0	2	59	39	37	12	34	A-6a
	8.0-10.0	0	0	8	60	32	NP	NP	30	A-4b
	10.0-16.0	0	2	32	46	20	38	9	44	A-4b
	16.0-18.0	23	3	8	41	25	NP	NP	23	A-4a
	18.0-20.0	0	0	11	64	25	NP	NP	23	A-4b
	20.0-26.0	44	27	19	-10-		NP	NP	17	A-1-b
621+00 40'RT	0.5-3.5	0	1	2	45	52	38	11	32	A-6a
	3.5-7.0	0	3	5	50	42	35	8	29	A-4b
	7.0-9.5	0	0	11	59	30	NP	NP	30	A-4b
	9.5-13.0	0	1	39	40	20	NP	NP	19	A-4a
	13.0-17.5	0	0	38	47	15	NP	NP	29	A-4a
	17.0-22.0	0	2	26	43	19	31	NP	15	A-3a
	22.0-24.0	25	36	28	-11-		NP	NP	14	A-1-b
	24.0-28.0	23	40	27	-10-		NP	NP	15	A-1-b
621+00 90'RT	0.5-2.5	0	1	3	61	35	40	10	30	A-6a
	2.5-6.0	0	1	2	70	27	36	14	29	A-6a
	6.0-9.0	0	1	17	65	18	NP	NP	29	A-4b
	9.0-14.0	0	1	10	68	21	NP	NP	35	A-4b
	14.0-16.5	0	1	33	48	18	NP	NP	37	A-4a
	16.5-22.0	20	39	33	- 8-		NP	NP	20	A-3a
	22.0-27.0	24	34	34	- 8-		NP	NP	17	A-1-b
622+00 40'LT	0.0-1.0	0	0	1	66	33	38	8	33	A-4b
	1.0-2.5	0	1	1	48	50	55	23	42	A-7-5
	2.5-4.0	0	0	1	45	54	45	16	32	A-7-6
	4.0-5.0	0	1	1	51	47	45	16	35	A-7-6
	5.0-9.0	0	1	6	65	28	NP	NP	40	A-4b
	9.0-13.0	0	0	6	65	29	NP	NP	42	A-4b
	13.0-16.0	0	6	35	41	18	38	NP	94	A-4a
	16.0-19.0	0	6	39	41	14	35	NP	37	A-4a
	19.0-22.0	48	27	12	-13-		NP	NP	19	A-1-b
	22.0-27.0	61	17	9	8	5	NP	NP	13	A-1-a
622+00 30'RT	1.0-3.0	0	0	1	48	51	38	11	38	A-6a
	3.0-7.0	0	1	1	57	41	44	12	39	A-7-6
	7.0-10.0	0	2	11	32	25	25	3	29	A-4b
	10.0-16.0	0	2	28	41	29	48	8	65	A-5
	16.0-19.0	0	31	46	-23-		NP	NP	28	A-3a
	19.0-22.0	19	20	20	29	12	NP	NP	24	A-4a
	22.0-26.0	44	38	12	- 6-		NP	NP	19	A-1-b
	26.0-30.0	27	52	16	- 5-		NP	NP	13	A-1-b
622+00 80'RT	0.5-4.0	0	8	5	46	41	41	15	28	A-7-6
	4.0-7.0	0	2	3	57	38	36	12	31	A-6a
	7.0-9.0	0	1	9	66	24	NP	NP	31	A-4b
	9.0-14.0	0	1	27	49	23	NP	NP	40	A-4a
	14.0-18.0	0	1	32	46	18	28	NP	39	A-4a
	18.0-19.0	48	23	22	- 7-		NP	NP	23	A-1-b
	19.0-21.0	0	1	23	55	21	NP	NP	33	A-4b
	21.0-26.0	51	31	9	- 9-		NP	NP	12	A-1-a
622+05 80'LT	1.0-2.0	0	1	3	49	47	32	11	34	A-6a
	2.0-4.0	0	1	2	40	57	42	14	38	A-7-6
	4.0-5.0	0	1	2	48	34	31	11	29	A-6a
	5.0-7.0	0	0	7	63	30	NP	NP	32	A-4b
	7.0-12.0	0	0	27	55	18	NP	NP	31	A-4b
	12.0-16.0	0	2	35	49	14	NP	NP	43	A-4a
	16.0-18.0	0	0	6	58	36	27	10	25	A-4b
	18.0-20.0	0	0	8	67	25	NP	NP	32	A-4b
	20.0-26.0	58	26	10	- 6-		NP	NP	13	A-1-a

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Revised
10/10/60

SOIL PROFILE
WAYNE COUNTY
WAY-3 - 9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

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SUMMARY OF SOIL TEST DATA (Continued)

NOTE: NP shown in Liquid Limit and Plasticity Index columns indicates that the material is non-plastic.
* Denotes sample taken at or near grade.

Station & Offset	Depth From	Depth To	% Agg	% C S	% F S	% Silt	% Clay	LL	PI	% W C	SHTL Class
623+00 70'LT	1.0	3.0	0	1	4	48	47	38	14	30	A-6a
	3.0	6.0	0	1	4	62	33	38	15	29	A-6a
	6.0	7.0	0	1	10	59	30	NP	NP	32	A-4b
	7.0	10.0	0	1	25	51	23	NP	NP	31	A-4b
	10.0	13.0	0	3	30	44	23	46	NP	50	A-5
	13.0	14.0	Wood	Log							Visual
	14.0	16.0	0	3	32	42	23	36	NP	43	A-4a
	16.0	19.0	0	8	67	-25-		NP	NP	24	A-3a
	19.0	20.5	0	6	43	34	17	47	NP	50	A-5
	20.5	24.0	38	19	20	21	10	NP	NP	13	A-2-4
	24.0	26.0	26	40	25	- 9-		NP	NP	18	A-1-b
623+00 40'LT	0.0	2.0	0	1	3	42	54	47	16	31	A-7-5
	2.0	3.0	0	1	2	49	48	48	17	28	A-7-5
	3.0	8.0	0	0	2	56	42	41	16	28	A-7-6
	8.0	10.0	0	1	14	57	28	33	5	29	A-4b
	10.0	15.0	0	1	35	48	16	34	NP	65	A-4a
	15.0	19.0	0	1	35	49	15	NP	NP	29	A-4a
	19.0	21.0	0	0	16	62	22	45	16	27	A-7-6
	21.0	26.0	66	20	9	- 5-		NP	NP	16	A-1-a
623+00 35'RT	0.5	3.0	0	0	2	44	54	44	17	34	A-7-6
	3.0	6.5	0	1	3	59	37	34	10	30	A-4b
	6.5	9.0	0	0	20	59	21	NP	NP	37	A-4b
	9.0	14.0	0	2	27	53	18	NP	NP	40	A-4b
	14.0	18.0	0	6	43	37	14	35	NP	57	A-4a
	18.0	23.0	53	21	17	- 9-		NP	NP	32	A-1-a
	23.0	26.0	39	40	12	- 9-		NP	NP	14	A-1-b
623+00 70'RT	0.5	4.0	0	1	3	61	35	41	14	29	A-7-6
	4.0	6.0	0	0	7	64	29	NP	NP	34	A-4b
	6.0	11.0	0	2	23	57	18	32	NP	40	A-4b
	11.0	16.0	0	2	31	49	18	NP	NP	43	A-4a
	16.0	20.0	0	1	29	49	21	NP	NP	41	A-4a
	20.0	23.0	38	38	16	- 8-		NP	NP	17	A-1-b
	23.0	27.0	83	10	4	- 3-		NP	NP	13	A-1-a
624+00 60'LT	0.0	1.0	0	1	2	43	54	49	23	32	A-7-6
	1.0	3.0	0	2	1	35	62	33	11	27	A-6a
	3.0	8.0	0	0	4	63	33	32	6	30	A-4b
	8.0	10.0	0	1	21	50	28	NP	NP	31	A-4b
	10.0	14.0	0	2	31	38	29	47	19	A-7-5	
	14.0	19.5	0	2	32	30	16	29	NP	38	A-4a
	19.5	24.0	39	23	10	21	7	NP	NP	14	A-2-4
	24.0	26.0	0	4	80	-16-		NP	NP	25	A-3a
624+00 15'LT	0.5	4.0	0	6	9	62	23	NP	NP	22	A-4b
	4.0	6.0	0	2	2	43	53	45	18	34	A-7-6
	6.0	7.0	0	1	1	37	61	41	13	29	A-7-6
	7.0	11.0	0	2	2	49	47	43	20	30	A-7-6
	11.0	14.0	0	0	8	72	20	NP	NP	29	A-4b
	14.0	17.0	0	0	20	57	23	NP	NP	34	A-4b
	17.0	22.0	0	2	30	49	19	41	NP	46	A-5
	22.0	27.0	52	20	13	11	4	NP	NP	11	A-1-a
	27.0	30.0	57	13	15	11	4	NP	NP	12	A-1-a
	30.0	31.0	0	1	84	-15-		NP	NP	28	A-3a
	31.0	33.0	54	31	10	- 5-		NP	NP	12	A-1-a
624+00 35'RT	0.5	2.0	0	1	3	31	65	48	14	41	A-7-5
	2.0	6.5	0	0	1	59	40	36	13	62	A-6a
	6.5	11.0	0	0	20	55	25	NP	NP	37	A-4b
	11.0	16.0	0	5	29	43	23	NP	NP	50	A-4a
	16.0	21.0	0	9	25	47	19	26	3	34	A-4a
	21.0	25.0	45	27	13	-15-		NP	NP	16	A-1-b
	25.0	28.0	29	42	22	- 7-		NP	NP	13	A-1-b
624+00 65'RT	0.5	5.0	0	1	2	47	50	40	17	28	A-6b
	5.0	8.0	0	0	7	66	27	NP	NP	26	A-4b
	8.0	11.0	0	0	30	50	20	NP	NP	28	A-4b
	11.0	16.0	0	7	31	42	20	34	9	38	A-4a
	16.0	21.0	0	10	26	43	21	NP	NP	35	A-4a
	21.0	25.0	14	10	62	11	3	NP	N P	21	A-3a
	25.0	28.0	46	29	17	- 8-		NP	NP	14	A-1-b

Station & Offset	Depth From	Depth To	% Agg	% C S	% F S	% Silt	% Clay	LL	PI	% W C	SHTL Class
625+00 50'LT	0.0	1.5	0	1	2	44	53	46	17	32	A-7-6
	1.5	3.0	0	1	2	46	51	51	19	30	A-7-5
	3.0	8.0	0	1	8	64	27	NP	NP	27	A-4b
	8.0	13.0	0	1	36	44	19	NP	NP	32	A-4a
	13.0	16.0	0	13	47	32	8	NP	NP	36	A-4a
	16.0	18.0	0	41	27	27	5	NP	NP	20	A-3a
	18.0	20.0	50	8	15	25	2	NP	NP	20	A-2-4
	20.0	22.0	49	15	11	19	6	NP	NP	12	A-1-b
	22.0	26.0	24	31	34	-11-		NP	NP	17	A-1-b
625+00 50'RT	0.5	4.5	0	1	5	48	46	35	12	28	A-6a
	4.5	6.0	0	1	8	61	30	27	5	28	A-4b
	6.0	7.5	0	1	23	56	20	NP	NP	26	A-4b
	7.5	11.0	0	1	17	66	16	NP	NP	27	A-4b
	11.0	14.5	0	1	28	49	22	NP	NP	33	A-4a
	14.5	16.5	0	28	37	28	7	NP	NP	30	A-3a
	16.5	22.0	71	10	7	-12-		NP	NP	14	A-1-a
	22.0	25.0	35	29	23	-13-		NP	NP	18	A-1-b
625+95 53'LT	0.0	2.0	0	1	4	44	51	39	12	31	A-6a
	2.0	3.0	0	2	6	23	69	45	16	36	A-7-6
	3.0	7.0	0	1	12	58	29	28	9	29	A-4b
	7.0	9.0	0	0	25	53	22	NP	NP	30	A-4b
	9.0	13.0	0	0	24	61	15	NP	NP	32	A-4b
	13.0	19.0	0	4	27	41	18	41	NP	38	A-5
	19.0	21.0	42	18	14	18	8	NP	NP	13	A-2-4
	21.0	28.0	69	14	8	7	2	NP	NP	16	A-1-a
626+00 50'RT	0.0	3.0	0	1	2	41	56	49	24	32	A-7-6
	3.0	6.0	0	1	5	56	38	33	14	29	A-6a
	6.0	9.0	0	0	17	60	23	26	4	29	A-4b
	9.0	11.0	0	0	7	67	26	NP	NP	32	A-4b
	11.0	16.0	0	0	14	71	15	NP	NP	36	A-4b
	16.0	21.0	0	3	35	49	13	30	NP	31	A-4a
	21.0	22.0	34	16	14	30	6	NP	NP	22	A-4a
627+00 50'LT	0.0	1.5	0	1	4	28	67	44	11	41	A-7-5
	1.5	4.0	0	1	5	40	54	39	14	34	A-6a
	4.0	7.0	0	0	15	55	30	30	7	26	A-4b
	7.0	10.0	0	0	15	64	23	NP	NP	27	A-4b
	10.0	15.0	0	1	24	53	22	NP	NP	41	A-4b
	15.0	17.0	0	1	18	62	19	24	NP	62	A-5
	17.0	19.0	42	12	14	24	8	NP	NP	12	A-2-4
627+00 50'RT	0.5	4.0	0	1	2	42	55	48	21	32	A-7-6
	4.0	5.0	0	1	3	53	43	38	15	38	A-6a
	5.0	10.0	0	1	3	60	36	34	12	30	A-6a
	10.0	15.0	0	0	12	62	26	NP	NP	31	A-4b
	15.0	19.5	0	1	14	59	26	26	7	33	A-4b
	19.5	20.0	68	11	8	11	2	NP	NP	13	A-1-a
627+50 15'RT	0.5	2.0	44	10	19	17	10	NP	NP	10	A-2-4
	2.0	4.0	0	1	3	69	24	26	6	23	A-4b
	4.0	7.0	0	1	3	46	50	38	12	39	A-6a
	7.0	12.0	0	1	3	54	42	35	12	30	A-6a
	12.0	17.0	0	0	1	59	40	35	13	31	A-6a
	17.0	22.0	0	0	6	60	34	31	11	27	A-6a
	22.0	25.0	38	9	12	24	17	NP	NP	24	A-4a
	25.0	28.0	58	10	7	20	5	NP	NP	20	A-1-b
628+00 60'LT	0.0	3.0	0	1	3	40	56	41	12	34	A-7-6
	3.0	5.0	0	2	4	43	51	41	16	32	A-7-6
	5.0	6.0	0	0	2	60	38	35	14	30	A-6a
	6.0	9.0	0	1	5	62	32	28	6	31	A-4b
	9.0	14.0	0	0	21	59	20	NP	NP	31	A-4b
	14.0	16.0	0	1	18	59	22	NP	NP	28	A-4b
	16.0	22.0	71	16	5	6	2	NP	NP	10	A-1-a
628+00 50'RT	0.5	4.0	0	1	3	34	62	43	14	33	A-7-6
	4.0	9.0	0	1	7	61	31	32	8	27	A-4b
	9.0	14.0	0	0	6	69	25	NP	NP	27	A-4b
	14.0	19.0	0	1	31	53	15	NP	NP	33	A-4b
	19.0	22.0	37	16	19	25	3	NP	NP	36	A-2-4

Station & Offset	Depth From	Depth To	% Agg	% C S	% F S	% Silt	% Clay	LL	PI	% W C	SHTL Class
629+00 40'RT	0.5	3.0	0	1	6	33	60	57	22	49	A-7-5
	3.0	5.0	0	0	4	37	59	47	19	37	A-7-6
	5.0	7.0	0	1	16	53	30	27	8	34	A-4b
	7.0	10.0	0	0	23	51	26	NP	NP	29	A-4b
	10.0	14.0	0	3	24	30	43	15	NP	19	A-4a
	14.0	17.0	5	9	30	41	15	55	NP	59	A-5
	17.0	20.0	0	7	26	50	17	NP	NP	19	A-4b
	20.0	21.5	0	17	69	-14-		NP	NP	26	A-3a
	21.5	25.0	51	24	18	- 7-		NP	NP	13	A-1-a
629+05 50'LT	0.3	1.5	0	1	3	29	67	45	16	40	A-7-6
	1.5	3.0	0	1	1	32	66	46	19	40	A-7-6
	3.0	7.0	0	0	7	51	42	33	14	30	A-6a
	7.0	9.0	0	1	21	61	17	NP	NP	26	A-4b
	9.0	13.0	0	1	36	47	16	NP	NP	39	A-4a
	13.0	15.0	0	3	43	43	11	47	NP	56	A-5
	15.0	16.5	0	14	64	15	7	NP	NP	27	A-3a
	16.5	18.5	56	7	16	16	5	NP	NP	18	A-1-b
	18.5	19.0	Wood	Log							Visual
	19.0	22.0	39	38	18	- 5-		NP	NP	16	A-1-a
629+90 50'LT	0.3	1.0	0	4	7	34	55	38	11	35	A-6a
	1.0	3.0	0	1	4	34	61	43	16	39	A-7-6
	3.0	8.0	0	0	10	46	44	31	11	33	A-6a
	8.0	10.0	0	0	29	56	15	NP	NP	30	A-4b
	10.0	12.0	0	1	42	42	15	NP	NP	37	A-4a
	12.0	17.0	0	17	70	-13-		NP	NP	27	A-3a
	17.0	19.0	0	23	53	-24-		NP	NP	25	A-3a
	19.0	21.0	10	10	36	33	11	31	NP	44	A-4a
	21.0	26.0	35	29	26	-10-		NP	NP	15	A-1-b
630+00 40'RT	0.5	6.0	0	1	3	27	69	56	22	48	A-7-5
	6.0	10.0	0	1	69	16	14	NP	NP	31	A-3a
	10.0	16.5	9	39	36	-16-		NP	NP	28	A-3a
	16.5	19.0	0	13	36	37	14	52	0	52	A-5
	19.0	25.0	32	38	19	-11-		NP	NP	13	A-1-b
631+00 50'LT	0.4	2.0	0	1	2	28	69	43	10	36	A-5
	2.0	7.0	0	1	6	50	43	34	12	33	A-6a
	7.0	11.0	0	1	8	60	31	29	8	29	A-4b
	11.0	13.0	0	0	6	58	36	33	10	32	A-4b
	13.0	16.5	0	1	13	63	23	26	5	34	A-4b
	16.5	20.5	45	9	13	27	6	NP	NP	17	A-2-4
	20.5	22.0	11	39	28	16	6	NP	NP	19	A-3a
631+00 12'RT	0.5	3.0	22	18	19	30	11	NP	NP	12	A-4a
	3.0	4.0	0	2	0	30	68	52	18	47	A-7-5
	4.0	7.0	0	1	2	40	57	59	15	61	A-7-5
	7.0	9.0	0	0	3	54	43	46	17	41	A-7-5
	9.0	13.0	0	0	3	52	45	34	12	30	A-6a
	13.0	18.0	0	1	14	59	26	NP	NP	26	A-4b
	18.0	22.0	0	2	12	55	31	26	6	31	A-4b
	22.0	24.0	24	10	19	20	27	NP	NP	22	A-4a
	24.0	26.0	17	27	46	-10-		NP	NP	18	A-3
	26.0	29.0	34	42	18	- 6-		NP	NP	16	A-1-b
	29.0	30.0	31	15	15	29	10	NP	NP	10	A-4a
631+50 45'LT	0.4	1.5	0	1	2	28	69	49	14	47	A-7-5
	1.5	3.0	0	1	3	36	60	46	17	47	A-7-6
	3.0	6.0	0	1	5	51	43	36	13	30	A-6a
	6.0	9.0	0	1	8	48	43	30	11	30	A-6a
	9.0	11.0	0	0	4	60	36	29	9	29	A-4b
	11.0	16.0	0	0	4	60	36	27	9	31	A-4b
	16.0	21.0	0	1	3	69	27	33	4	42	A-4b
	21.0	26.0	13	13	62	-12-		NP	NP	19	A-3a
631+50 40'LT	0.5	3.0	0	1	3	39	57	49	14	41	A-7-5
	3.0	5.0	0	1	3	43	53	43	15	30	A-7-6
	5.0	8.0	0	1	8	44	47	46	15	30	A-7-5
	8.0	10.0	0	0	8	61	31	37	10	31	A-4b
	10.0	14.0	0	1	5	64	30	32	8	30	A-4b
	14.0	17.5	0	0	16	61	23	NP	NP	35	A-4b
	17.5	21.0	22	22	30	18	8	NP	NP	23	A-3a
	21.0	25.0	42	25	21	-12-		NP	NP	17	A-1-b

Station & Offset	Depth From	Depth To	% Agg	% C S	% F S	% Silt	% Clay	LL	PI	% W C	SHTL Class
	Existing S.R 226										
19+00 14'RT	0.5	3.0	11	13	23	41	12	NP	NP	12	A-4a *
	3.0	4.0	0	6	8	50	36	30	9	23	A-4b
	4.0	9.0	10	6	19	41	24	26	4	13	A-4a
	9.0	12.0	17	7	19	37	20	23	5	14	A-4a
	Existing S.R 95										
158+20 12'LT	0.5	5.0	0	2	4	58	36	33	8	23	A-4b *
	5.0	10.0	12	6	15	45	22	NP	NP	16	A-4a
	10.0	12.0	Grey Broken Shale							11	Visual
163+30 12'LT	0.5	5.0	9	5	12	43	31	29	7	18	A-4a *
	5.0	9.0	18	4	11	44	23	28	6	19	A-4a
	Proposed Relocated Co. Rd. # 139										
16+50 12'LT	0.3	5.0	13	10	22	39	16	NP	NP	20	A-4a *
	5.0	8.0	14	10	15	43	18	NP	NP	16	A-4a
	8.0	10.0	Brown Broken Sandstone							12	Visual
20+00 CL	0.5	2.0	3	12	38	29	18	NP	NP	17	A-4a
	2.0	6.0	27	17	20	25	11	NP	NP	14	A-4a *
	6.0	11.0	Brown Broken Shale							17	Visual *
	11.0	14.0	Brown Broken Shale							11	Visual
23+00 CL	1.0	5.0	14	8	19	38	21	NP	NP	16	A-4a *
	5.0	10.0	Brown Broken Sandstone							9	Visual *
28+50 12'LT	0.3	2.0	69	2	5	18	6	NP	NP	17	A-1-b *
	2.0	7.0	Brown Broken Shale							11	Visual
	Proposed Relocated Columbus Ave. (Co. Rd. # 174)										
19+00 12'RT	0.5	3.0	16	6	15	42	21	NP	NP	12	A-4a
	3.0	6.0	12	7	17	45	19	NP	NP	10	A-4a
	6.0	8.0	Brown Broken Shale							6	Visual
22+00 CL	0.5	5.0	28	7	11	36	18	24	6	17	A-4a *
	5.0	10.0	12	7	16	41	24	24	4	20	A-4a
	10.0	14.0	Brown Broken Shale							8	Visual
DRIVE SAMPLE SOIL TEST DATA											
555+00 CL	5.0	6.0	24	0	26	34	16	NP	NP	13	A-4a
579+00 CL	5.0	6.0	77	5	7	-11-		NP	NP	13	A-1-a
616+83 30'RT	2.0	3.0	17	9	18	37	19	NP	NP	19	A-4a
	5.0	5.5	59	9	5	19	8	NP	NP	19	A-2-4
618+38 42'LT	2.0	3.0	0	1	12	59	28	NP	NP	33	A-4b
	3.0	4.0	0	1	11	59	29	NP	NP	32	A-4b
	5.0	6.0	0	1	5	46	48	37	13	28	A-6a
	10.0	11.0	0	0	7	64	29	30	8	31	A-4b
	12.5	13.5	0	0	13	54	33	29	8	28	A-4b
	15.0	16.0	0	0	0	79	21	51	25	38	A-7-6
	17.5	18.5	0	1	2	38	59	51	25	33	A-7-6
	20.0	21.0	0	0	7	70	23	29	7	31	A-4b
	22.5	23.5	2	1	20	58	19	NP	NP	27	A-4b
	25.0	26.0	27	26	20	16	7	NP	NP	22	A-1-b
	30.0	31.0	46	28	13	-13-		NP	NP	13	A-1-b

TE-54.8
800.4-60

Supplement
10/10/60

SOIL PROFILE
WAYNE COUNTY
WAY - 3 - 9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

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SUMMARY OF SUPPLEMENTAL SOIL TEST DATA

NOTE: NP shown in Liquid Limit and Plasticity Index columns indicates that the material is non-plastic.

STATION & OFFSET		DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
618+38	47'Lt	0.5-2.5	0	6	13	49	32	33	13	26	A-6a
		2.5-4.5	0	3	11	52	34	33	12	22	A-6a
		4.5-8.0	0	1	5	58	36	31	10	26	A-4b
		8.0-10.0	0	0	13	61	26	NP	NP	27	A-4b
		10.0-14.0	0	1	14	59	26	17	17	60	A-7-5
		14.0-16.5	0	0	4	44	52	42	22	34	A-7-6
		16.5-19.5	0	0	4	63	33	28	9	27	A-4b
		19.5-22.0	0	0	24	53	23	31	12	26	A-6a
		22.0-26.0	48	20	10	16	6	NP	NP	13	A-1-b
618+51	23'Lt	0.5-3.0	38	5	10	30	17	25	7	16	A-4a
		3.0-5.0	0	2	10	59	29	29	11	25	A-6a
		5.0-9.0	0	1	8	60	31	32	13	28	A-6a
		9.0-12.0	0	0	28	56	15	NP	NP	32	A-4b
		12.0-14.0	0	0	27	55	18	NP	NP	37	A-4b
		14.0-17.0	0	1	7	50	42	36	15	31	A-6a
		17.0-21.0	0	0	20	62	18	NP	NP	25	A-4b
		21.0-25.0	29	21	12	28	10	NP	NP	17	A-4a
618+68	21'Rt	0.5-5.0	18	6	13	28	35	NP	NP	16	A-4a
		5.0-10.0	17	6	8	43	26	25	8	18	A-4a
		10.0-15.0	0	1	7	45	47	41	18	31	A-7-6
		15.0-18.0	0	0	21	45	34	25	8	31	A-4b
		18.0-20.0	0	1	35	45	19	NP	NP	31	A-4a
		20.0-23.0	0	0	7	63	30	27	10	25	A-4b
		23.0-26.0	0	0	16	64	20	NP	NP	25	A-4b
		26.0-30.0	0	2	33	46	19	NP	NP	27	A-4a
618+80	47'Rt	0.5-4.0	15	7	17	40	21	34	11	24	A-6a
		4.0-9.0	0	3	7	49	41	26	7	28	A-4a
		9.0-11.0	0	0	10	63	27	31	13	28	A-6a
		11.0-14.0	0	0	24	56	20	NP	NP	51	A-4b
		14.0-17.0	0	0	4	60	36	27	9	25	A-4b
		17.0-19.0	0	0	5	63	32	NP	NP	25	A-4b
		19.0-21.0	0	0	10	71	19	NP	NP	27	A-4b
		21.0-24.0	0	1	37	49	13	NP	NP	26	A-4a
		24.0-26.0	0	7	31	45	17	NP	NP	24	A-4a
		26.0-30.0	30	12	18	27	13	NP	NP	18	A-4a

STATION & OFFSET		DEPTH FROM-TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
618+45	30'Lt	0.5-2.0	0	2	8	53	37	32	10	26	A-4b
		2.0-4.0	0	1	12	55	32	31	11	20	A-6a
		4.0-6.0	0	2	5	49	44	43	18	28	A-7-6
		6.0-6.5	0	1	8	56	35	32	14	23	A-6a
		6.5-8.0	0	0	12	61	27	31	10	25	A-4b
		8.0-9.0	0	1	15	58	26	28	8	51	A-4b
		9.0-10.0	0	0	28	51	20	NP	NP	25	A-4b
		10.0-12.0	0	0	24	56	20	NP	NP	36	A-4b
		12.0-13.5	0	0	29	54	17	NP	NP	23	A-4b
		13.5-14.0	0	1	3	45	51	41	15	57	A-7-6
		14.0-15.0	0	1	4	45	50	44	20	28	A-7-6
		15.0-16.0	0	4	8	55	33	31	12	28	A-6a
		16.0-17.5	0	0	28	52	22	NP	NP	50	A-4b
		17.5-19.7	0	1	3	50	46	38	15	46	A-6a
		19.7-20.0	0	47	31	12	10	NP	NP	34	A-3a
622+00	35'Rt	0.5-2.0	0	1	2	76	21	40	13	32	A-6a
		2.0-4.0	0	2	4	46	48	44	18	34	A-7-6
		4.0-5.0	0	0	4	51	45	34	15	36	A-6a
		5.0-6.0	0	0	18	57	25	NP	NP	30	A-4b
		6.0-8.0	0	1	33	47	19	NP	NP	30	A-4a
		8.0-9.2	0	0	32	49	19	NP	NP	27	A-4a
		9.2-10.0	Black Decayed Wood								Visual
		10.0-12.0	0	8	33	42	17	NP	NP	48	A-4a
		12.0-14.0	24	16	43	12	5	NP	NP	44	A-3a
		14.0-16.0	22	19	28	21	7	NP	NP	20	A-2-4
		16.0-17.5	56	25	16	8	5	NP	NP	24	A-1-b
		17.5-20.0	46	23	12	11	5	NP	NP	18	A-1-b
		20.0-22.0	0	1	9	52	38	38	19	18	A-6a
622+00	75'Rt	0.5-3.0	0	6	6	46	42	40	16	25	A-6a
		3.0-4.0	0	6	6	41	47	38	17	34	A-6a
		4.0-5.0	0	1	5	53	41	35	11	27	A-6a
		5.0-6.0	0	0	8	57	35	29	7	27	A-4b
		6.0-8.0	0	0	13	59	28	NP	NP	28	A-4b
		8.0-10.0	0	1	15	53	31	NP	NP	31	A-4b
		10.0-12.0	0	1	27	51	21	NP	NP	30	A-4b
		12.0-12.7	0	2	21	52	25	NP	NP	35	A-4b
		12.7-14.0	0	2	26	44	28	NP	NP	36	A-4a
		14.0-16.0	0	1	25	49	25	NP	NP	32	A-4a
		16.0-18.0	0	1	25	49	25	NP	NP	23	A-4a
		18.0-20.0	0	1	57	24	18	NP	NP	30	A-4a
		20.0-21.5	0	1	44	37	18	NP	NP	23	A-4a
		21.5-22.0	46	10	16	16	12	NP	NP	10	A-2-4

TE.54.B
900-5.59

SOIL PROFILE
WAYNE COUNTY
WAY - 3 - 9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

5/15

Revised
10/10/60

Hay
Residential
Hay
Residential
Hay
Commercial
Residential
Existing S.R. 3
Commercial
Existing S.R. 226
℄ Proposed Relocated S.R. 3
Hay
Sta. 539+61.80 ℄ Existing S.R. 3 =
Sta. 20+00 ℄ Existing S.R. 226
Corn stubble
Existing S.R. 3
Co. Rd. 442
Woods
Hay

Note: For profile of S.R. 226, see sheet 10.

Existing S.R. 3 — Proposed Relocated S.R. 3

15' Lt.
23
25
13
14

15' Rt.
20
14
17
17

18' Lt.
29
28
18
13
13

℄ TS = 1.0'
18
20
19
W
24
15

℄ TS = 1.0'
20
20
14
13

℄ TS = 1.0'
19
13
16
17
13
W
Spoil
18

℄ TS = 1.0'
27
22
16
17
W
25
Refusal

℄ TS = 1.0'
17
10
Refusal

℄ TS = 0.5'
17
10
9
Refusal

1060
1050
1040
1030
1020
1010
1000

520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552

TE.54.B
900-5-59

SOIL PROFILE
WAYNE COUNTY
WAY-3-9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

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Woods | Wheat | Corn stubble

℄, Proposed Relocated S.R.3

Sta. 571+35.47 ℄, Proposed Relocated S.R.3
Sta. 160+36.45 ℄, Existing S.R. 95

Note: For profile of S.R. 95, see sheet 10.

Existing S.R. 95

Hay | Woods | Wheat | Corn stubble | Wheatfield | Farm lane

552 555 560 565 570 575 580 584

156 157 158 159 160 161 162 163 164 165

1070 1060 1050 1040 1030 1020 1010 1000

Top of Rock-In-Place

Refusal

Sandstone, brown, fine-grained, contains clay seams, ferruginous, argillaceous, firm, medium-bedded, broken and jointed, with a 0.5' badly broken zone below elev. 1053.3'. Core loss 15%.

Clay, gray, with few 0.1' weathered shale beds and weathered shale fragments, soft, weathered. Core loss 23%.
Sandstone, brown, fine-grained, ferruginous, argillaceous, micaceous, contains clay seams, with thin shale laminae below elev. 1035.4', firm, thin-bedded, slightly weathered, broken and jointed. Core loss 22%.
Shale, brown to gray, siliceous, contains clay seams, micaceous, non-fissile, broken and jointed. Core loss 40%.

Refusal (Hand auger)

Hole caved in at elevs. 1017.4' and 1014.4'

Chalk, brown, siliceous, ferruginous, contains clay seams, non-fissile, weathered, broken and jointed. Core loss 19%.

Sandstone, brown, fine-grained, ferruginous, contains clay seams, with thin shale beds below elev. 1015.1'; firm, thin-bedded, weathered, broken and jointed in part. Core loss 10%.

Sandstone, brown, fine-grained, fossiliferous, contains clay seams, firm, medium-bedded. No core loss.

552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584

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SOIL PROFILE
WAYNE COUNTY
WAY - 3 - 9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS COLUMBUS, OHIO

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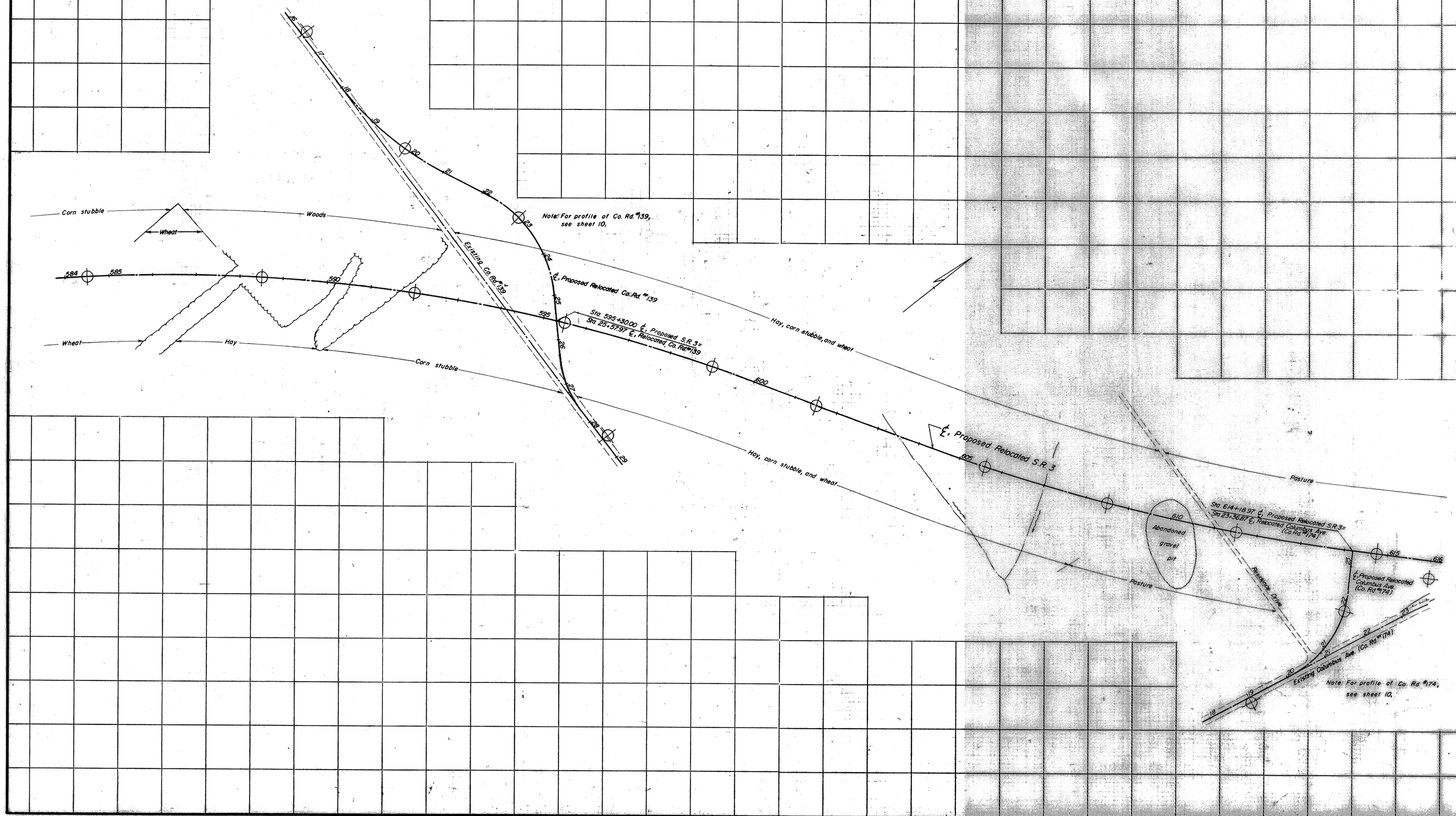

TE-54-B
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Revised
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SOIL PROFILE

WAYNE COUNTY
WAY - 3 - 9.94

OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

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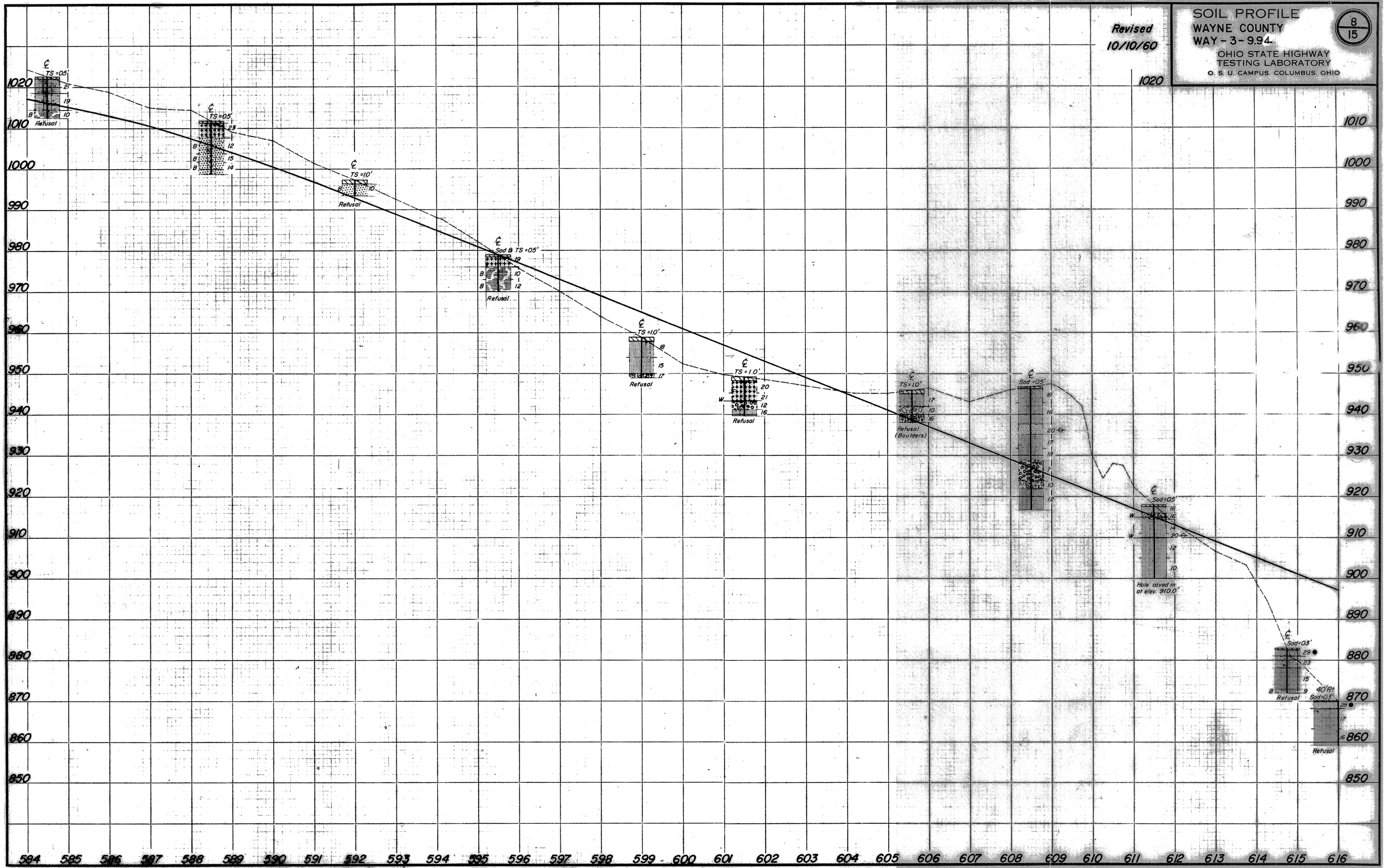

TE-54-B
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Revised
10/10/60

SOIL PROFILE
WAYNE COUNTY
WAY-3-9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

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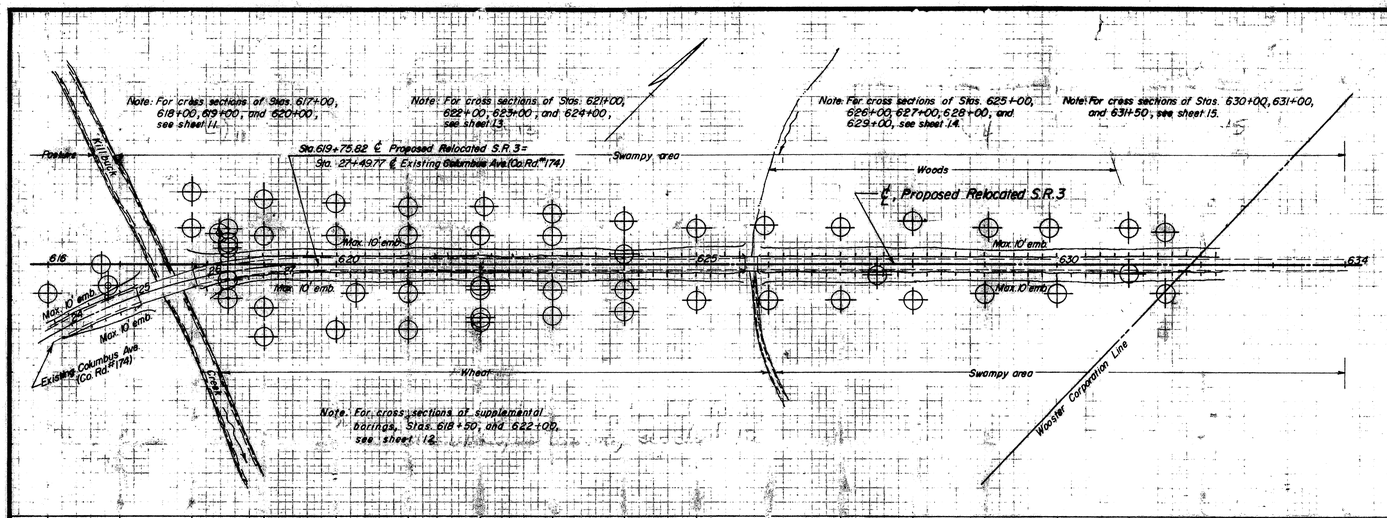
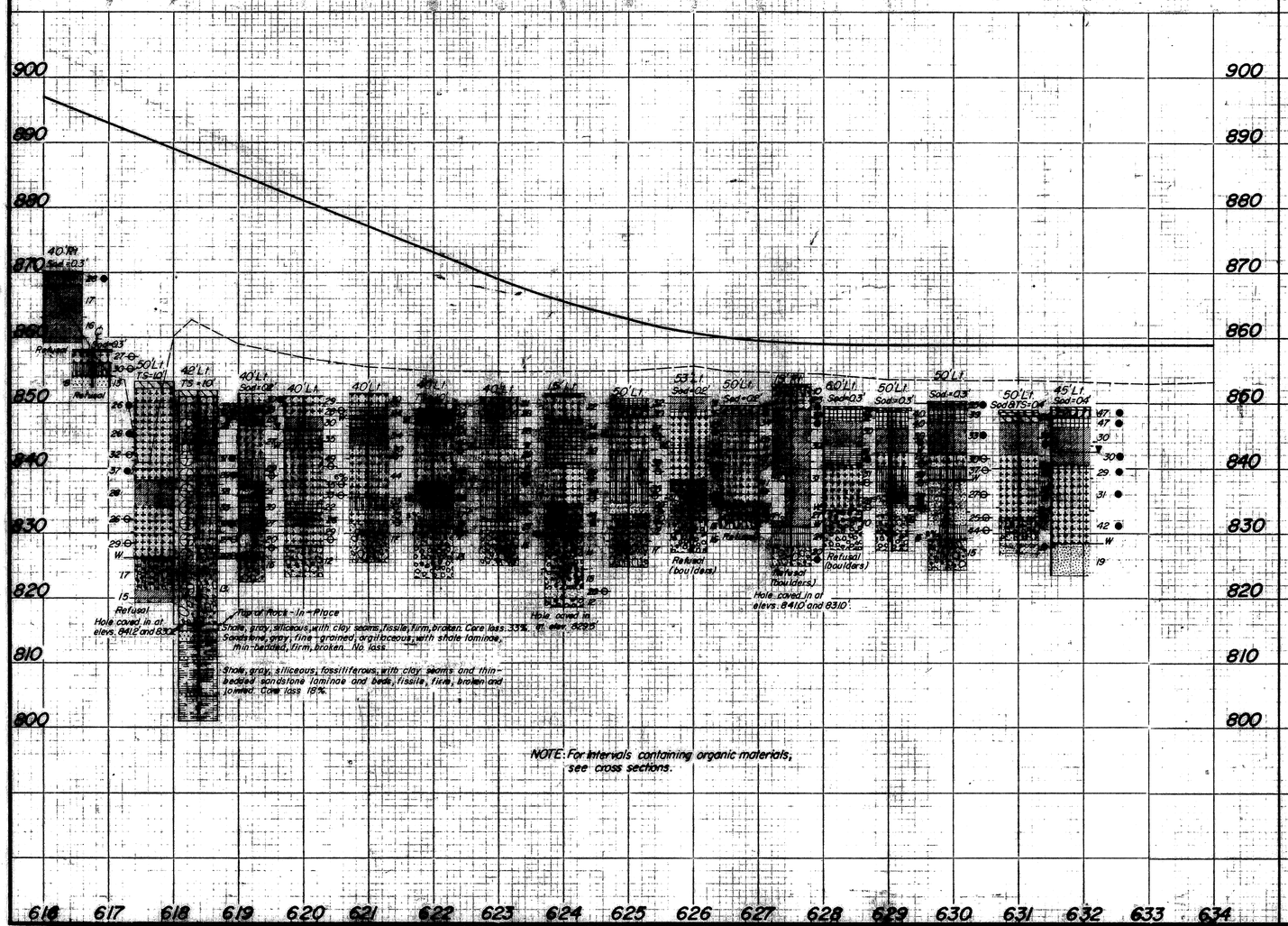
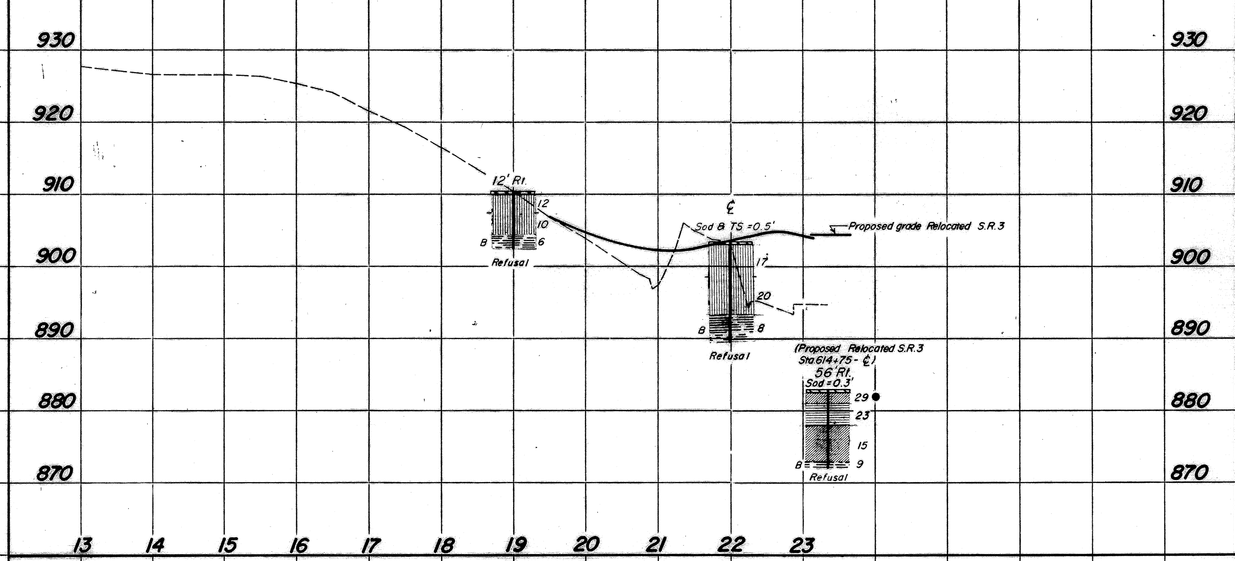




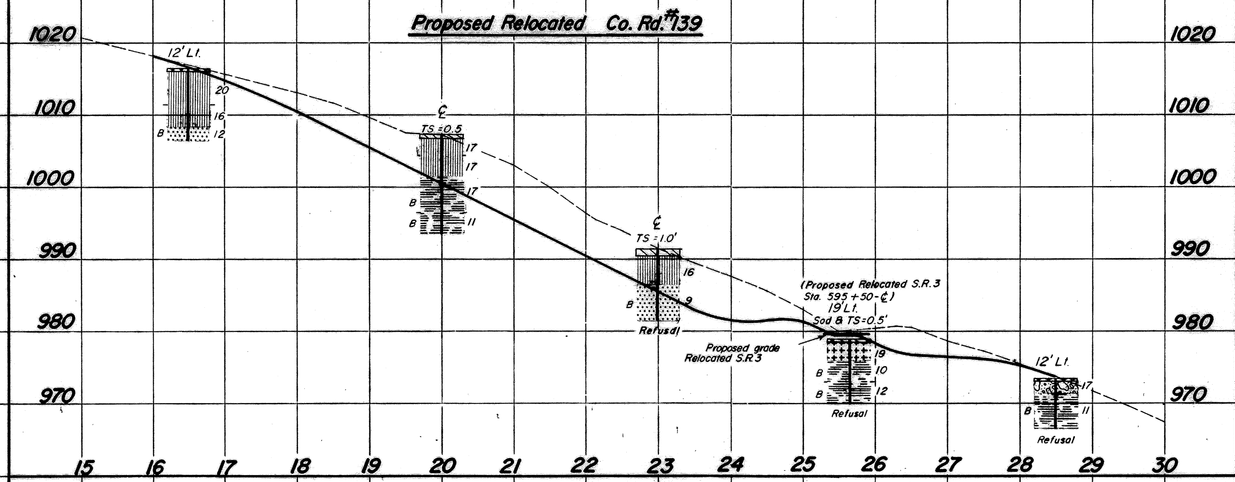
NOTE: For intervals containing organic materials, see cross sections.

TE-54B
900.5-59

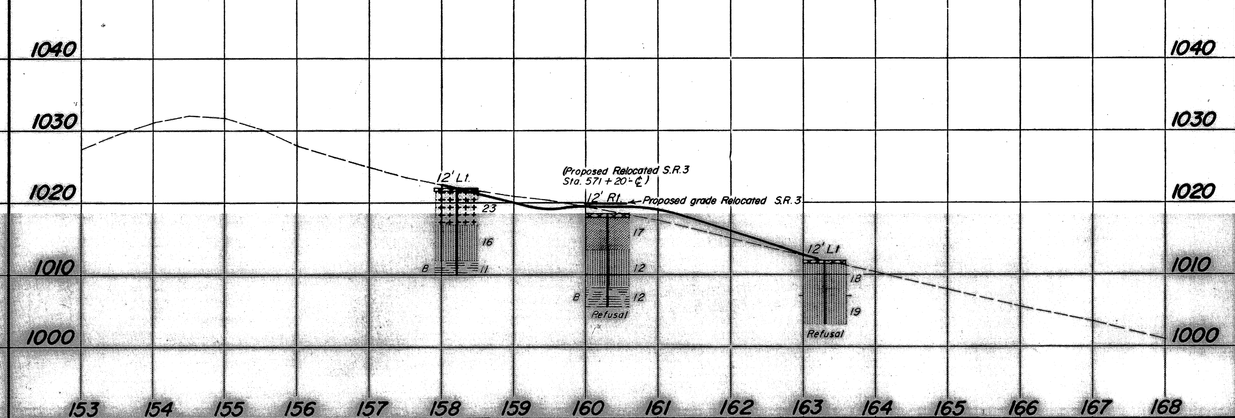
Proposed Relocated Columbus Ave. (Co. Rd. #174)



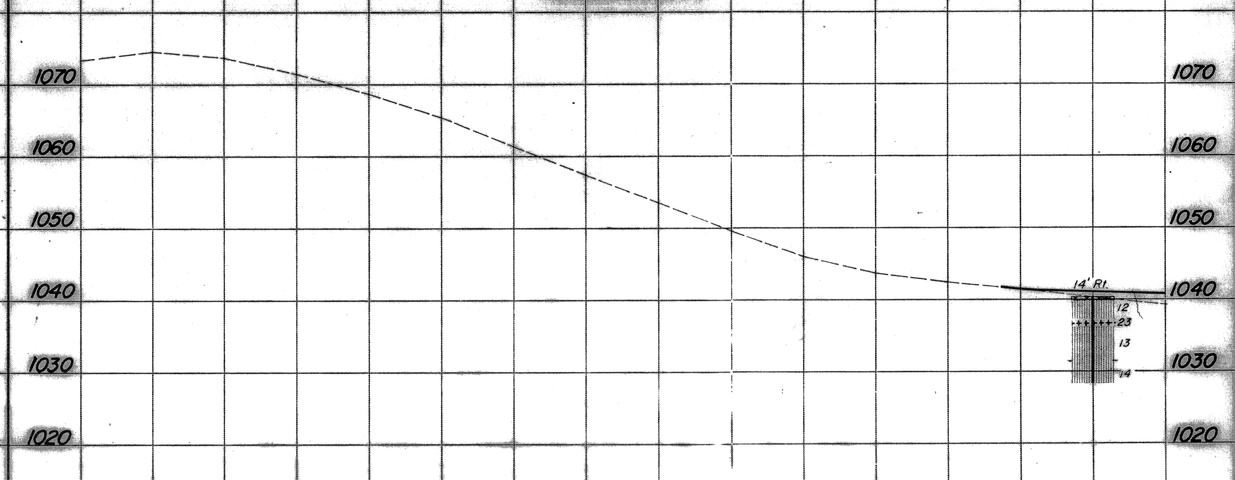
Proposed Relocated Co. Rd. #139



Existing S.R. 95



Existing S.R. 226

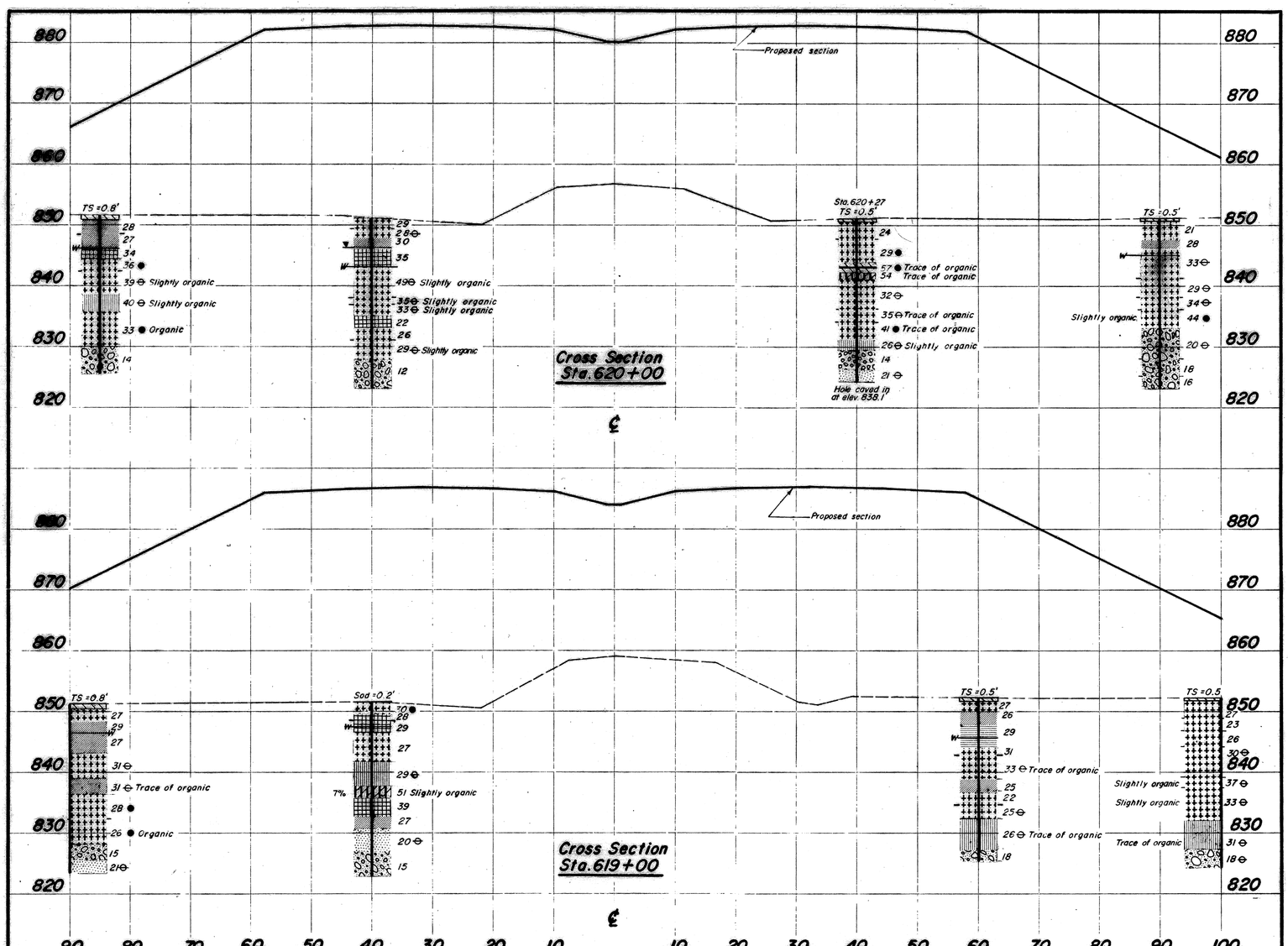


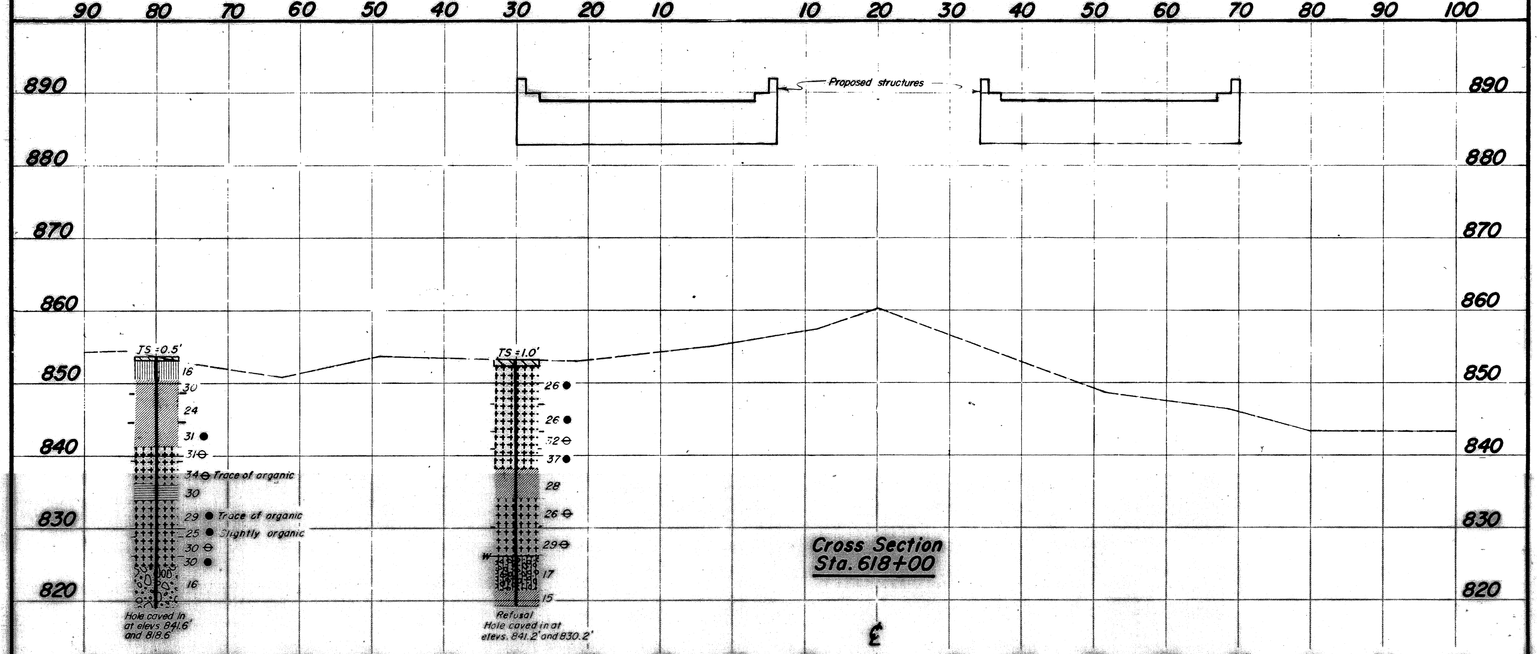
Revised
10/10/60

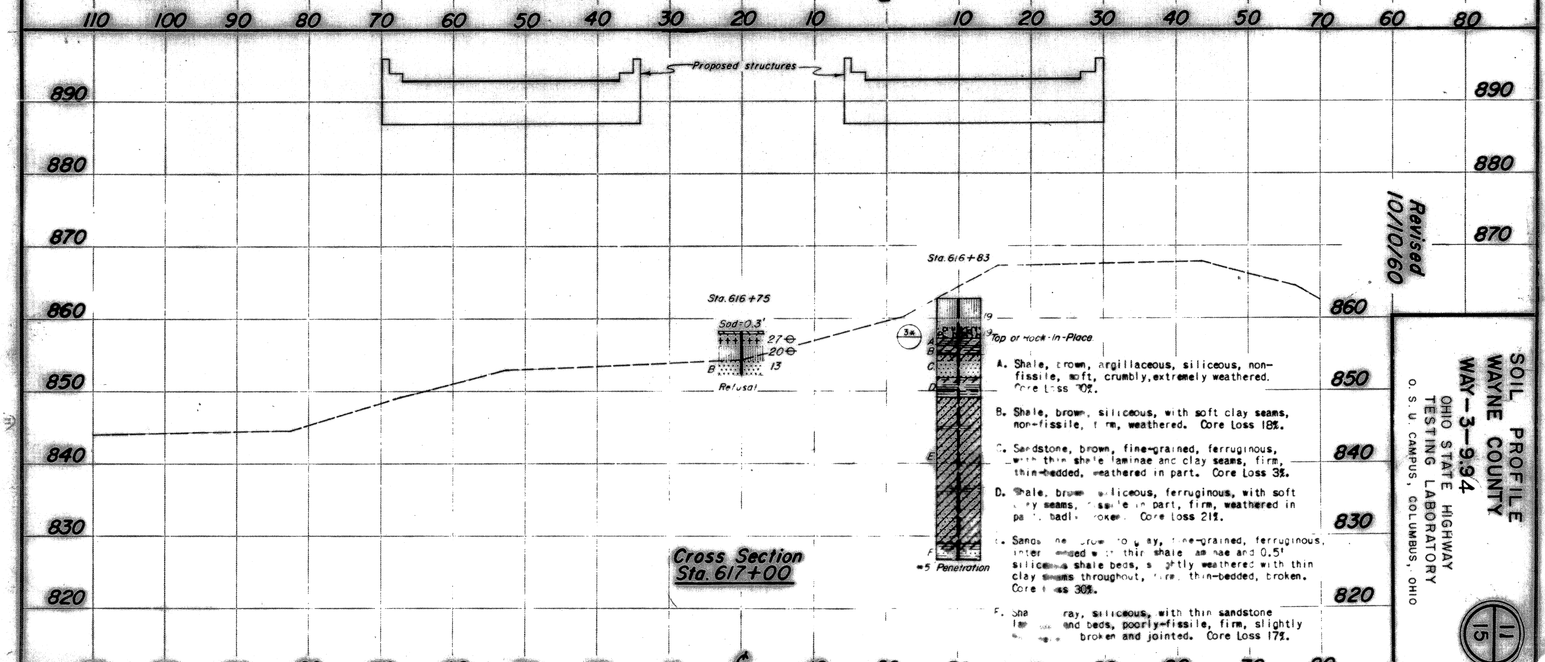
SOIL PROFILE
WAYNE COUNTY
WAY - 3 - 9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

10
15

TS 54 B
900 559







Revised 10/10/60

SOIL PROFILE
WAYNE COUNTY
WAY-3-9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

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TE.54.8
800-4-60

SOIL PROFILE
WAYNE COUNTY
WAY-3-9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS. COLUMBUS. OHIO

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Supplement
10/10/60

Cross Section Sta. 622+00

Proposed Section

Fill C = 0.1 T/ft^2
Φ = 30°
γ = 135 lbs/ft^2

TS = 0.5'

W
Slightly org anic
Decayed Wood
Slightly organic

32 34 36 30 27 49 44 20 24 14 18

TS = 0.5'

W
Slightly organic

25 34 27 27 28 31 30 35 38 32 28 30 28 10

0' ▽
Layer #1 C = 0.21 T/ft^2 Φ = 18° γ = 55 lbs/ft^3
5'
Layer #2 C = 0 Φ = 10° γ = 51 lbs/ft^3
23'
Layer #3 C = 0.1 T/ft^2 Φ = 30° γ = 73 lbs/ft^3

NOTE: This cross section is for supplementary borings only. For cross section of Sta. 622+00, see sheet 11.

Cross Section Sta. 618+50

Proposed Section

Fill C = 0.1 T/ft^2
Φ = 30°
γ = 135 lbs/ft^3

0' ▽
Layer #1 C = 0.21 T/ft^2 Φ = 18° γ = 55 lbs/ft^3
9.0'
Layer #2 C = 0.16 T/ft^2 Φ = 8° γ = 59 lbs/ft^3
15.0'
Layer #3 C = 0 Φ = 10° γ = 51 lbs/ft^3
23.0'
Layer #4 C = 0.1 T/ft^2 Φ = 30° γ = 73 T/ft^3

(Sta.618+38) TS=0.5'

25 22 26 Slightly organic 27 Organic 60 W 34 Slightly organic 27 Organic 29 13

Hole caved in at elev. 839.6

(Sta.618+45) TS=0.5'

26 20 28 23 31 35 46 W 29 54 28 50 49 34

Slightly organic

(Sta.618+51) TS=0.5'

16 25 28 32 Organic 37 31 25 Trace of organic 17

Hole caved in at elev. 842.7

(Sta.618+68)

16 18 31 31 Organic 31 Organic 25 Trace of organic 25 27 Organic

Hole caved in at elev. 847.8

(Sta.618+80) TS=0.5'

24 28 28 51 Organic 25 25 27 26 Slightly organic 24 18 Trace of organic

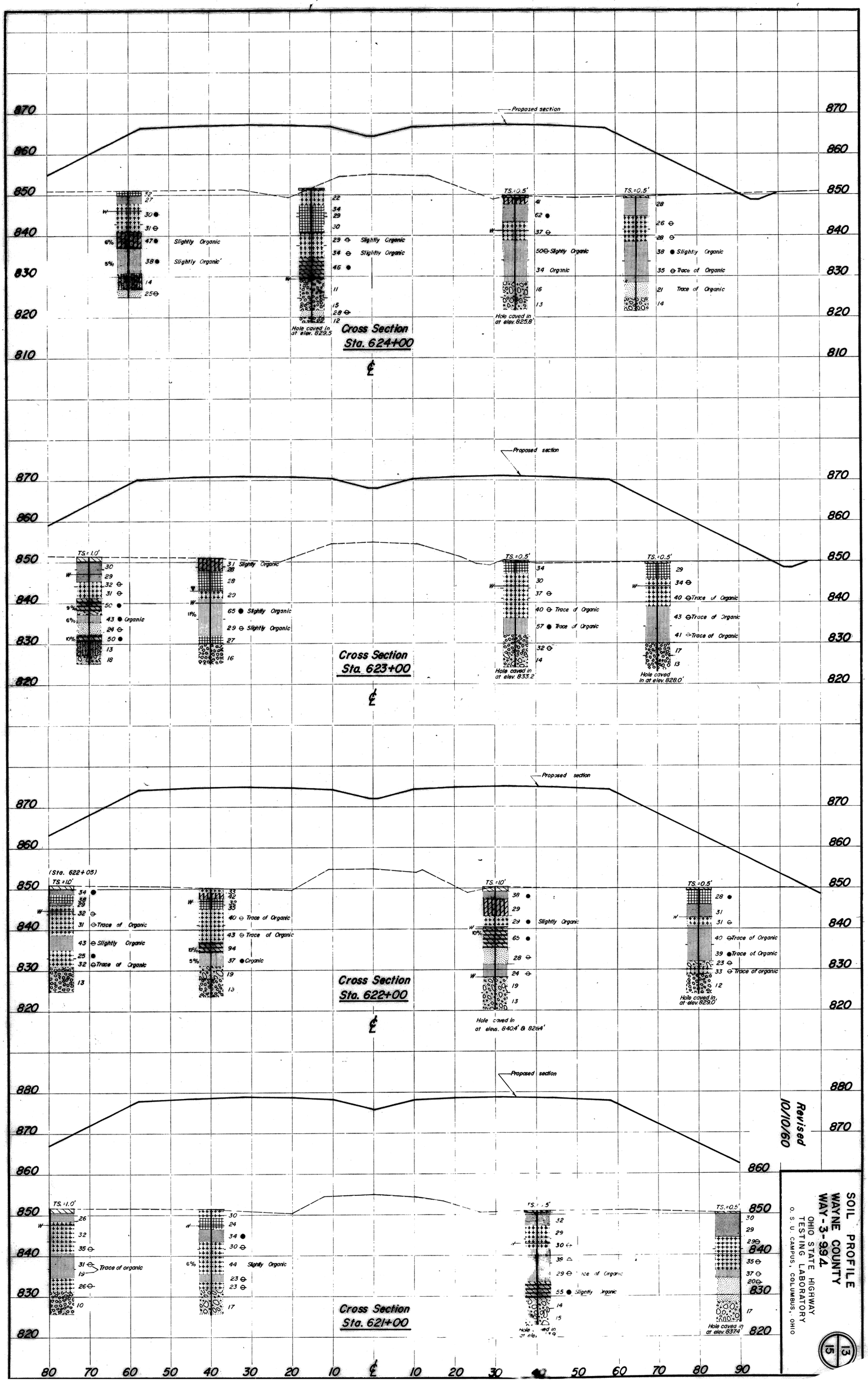
Hole caved in at elev. 839.0'

NOTE: This cross section is for supplementary borings only.

870 860 850 840 830 820

890 880 870 860 850 840 830 820

140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140



Revised 10/10/60

SOIL PROFILE
WAYNE COUNTY
WAY-3-994
OHIO STATE HIGHWAY TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

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TE-54-B
900-5-59


SOIL PROFILE
WAYNE COUNTY
WAY-3-9.94
OHIO STATE HIGHWAY
TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO
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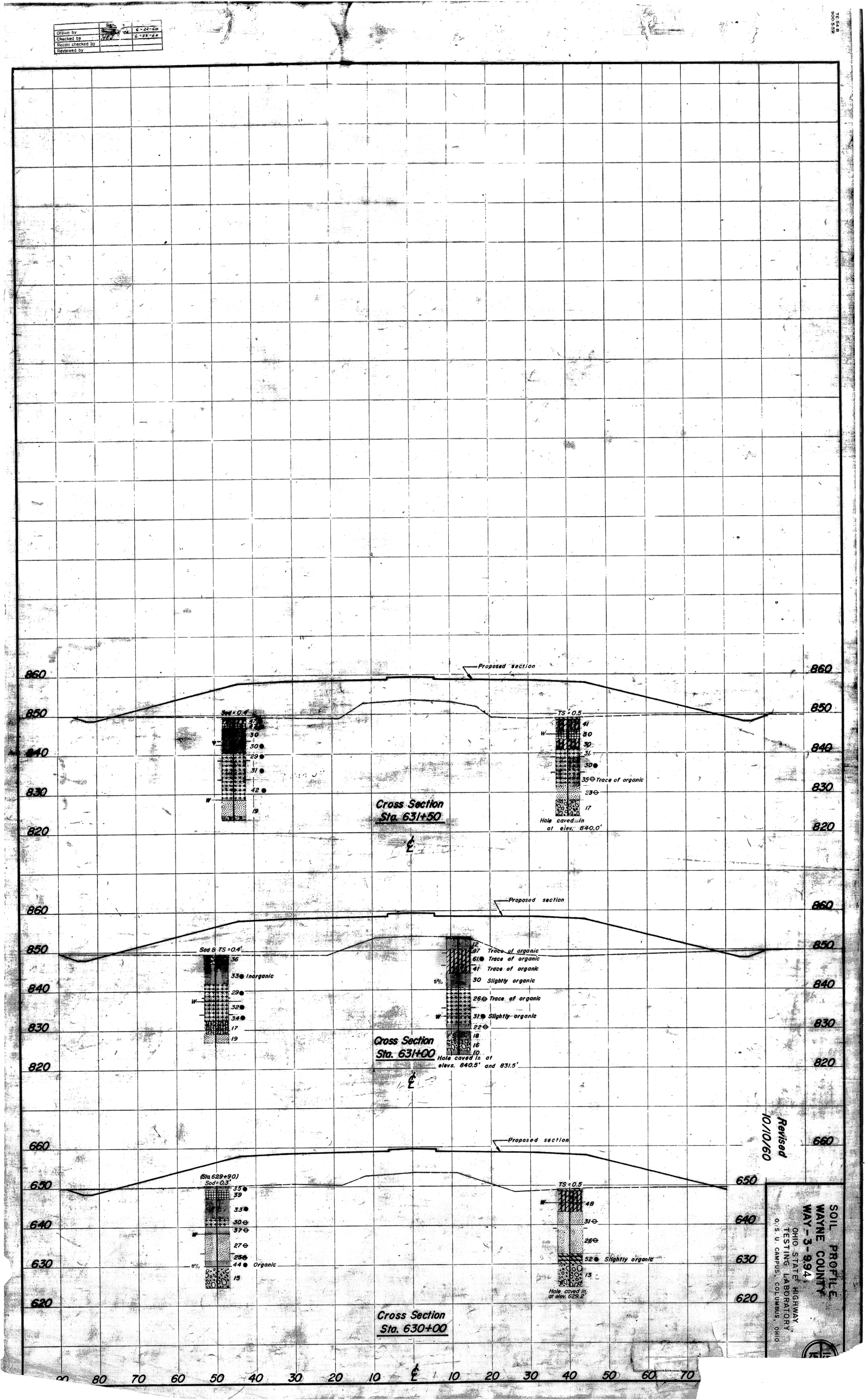
15
Revised
10/10/60
Cross Section
Sta. 629+00
Cross Section
Sta. 628+00
Cross Section
Sta. 627+00
Cross Section
Sta. 626+00
Cross Section
Sta. 625+00
Proposed Section
Trace of organic
Slightly organic
Inorganic
Refusal
Refusal (Boulders)
Hole caved in at elev. 832.0'
Hole caved in at elev. 838.0'
Hole caved in at elev. 835.6'
Hole caved in at elevs. 841.0' and 831.0'
TS=0.5'
Sod=0.3'
Sod=0.2'
(Sta. 629+05)
(Sta. 627+50)
(Sta. 625+95)
860
850
840
830
820

Drawn by	[illegible]	6-22-60
Checked by	[illegible]	6-28-60
Recon. checked by		
Reviewed by		

TS 54 B
900 5 59



Revised
10/10/60

SOIL PROFILE
WAYNE COUNTY
WAY-3-2.94
OHIO STATE HIGHWAY TESTING LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO