MICROFILMED
JUL 11 1996

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	STATE	

1/173

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
PAU-30-0.00
VAN-30-0.00

BENTON TWP. PAULDING COUNTY
TULLY TWP. VAN WERT COUNTY

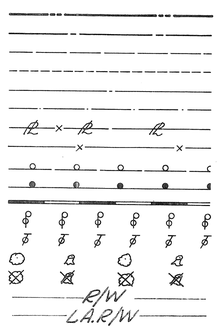
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

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

CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
TOWNSHIP LINE
SECTION LINE
CENTER LINE
CORPORATION LINE
PROPERTY LINE
FENCE LINE
GUARD RAIL (EXISTING)
GUARD RAIL (PROPOSED)
RAIL ROAD
POWER POLES
TELEPHONE POLES
TREES & STUMPS (EXISTING)
TREES & STUMPS (TO BE REMOVED)
RIGHT-OF-WAY
LIMITED ACCESS RIGHT-OF-WAY



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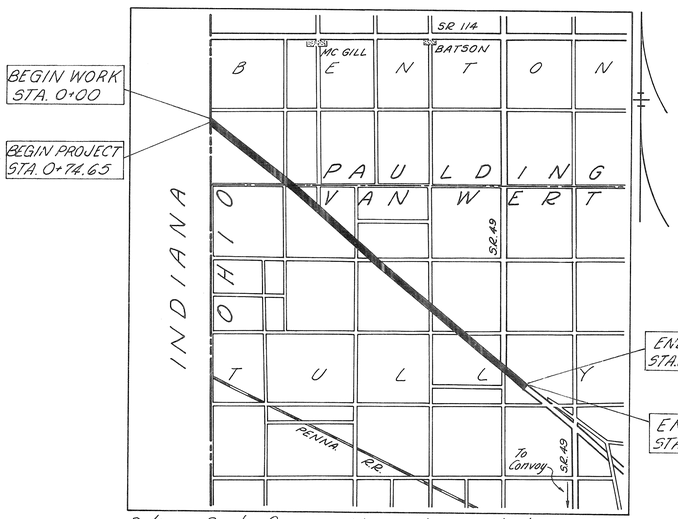
LINE DATA

BEGIN PROJECT STA. 0+74.65 - END PROJECT STA. 214+04.16
PAU-VAN. COUNTY LINE STA. 62+93.30 = STA. 0+00
NO ADDITIONS OR DEDUCTIONS
TOTAL LENGTH OF PROJECT = 27622.81 LIN.FT. = 5.231 MILES
BEGIN WORK STA. 0+00 - END WORK STA. 224+00
PAU-VAN. COUNTY LINE STA. 62+93.30 = STA. 0+00
NET LENGTH OF WORK = 28693.30 LIN.FT.
ADD FOR APROACHES = CO. LINE RD.-BENTON RD. (95+57.46 to 104+34.42) 876.96 LIN.FT.
MENTZER CHURCH RD. (46+00 to 48+91.60 - 50+59 to 55+63.64) 796.32 LIN.FT.
ELM SUGAR GROVE CHURCH RD. (2+50 to 11+20.06, 12+37.74 to 15+83.74) 1222.39 LIN.FT.
LARE RD. (9+40.96 to 12+40.53 - 0+80 to 8+25.07) 1044.64 LIN.FT.
FEASBY WISENER RD. (12+25 to 15+86 - 12+77.81 to 17+20) 1370.05 LIN.FT.
PAYNE RD. (2+75 to 10+15.85) 740.85 LIN.FT.
S.R. 49 (11+30.80 to 18+35) 704.20 LIN.FT.
TOTAL LENGTH OF WORK 35548.71 LIN.FT. = 6.713 MILES



Delivery Point: Convoy, Ohio Average Haul: 5.6 Miles
Penna. R.R.

Scale of Miles
0 1 2

LOCATION MAP

Portion to be Improved
State Highways
Other Roads

SCALE

Plan 0 50 100
Profile (Horizontal) 0 50 100
Profile (Vertical) 0 5 10
Cross Sections 0 10 20

1967 SPECIFICATIONS

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

Approved Norman R. Crow
Date 10-12-66 Divison Deputy Director

Approved C. H. Abraten
Date 7-3-67 Engineer of Bridges

Approved R. E. Gallion
Date 7-3-67 Engineer of Location and Design

Approved R. E. Hault
Date 7-5-67 Deputy Director of Design and Construction

Approved T. N. Savord
Date 7-7-67 Deputy Director of Right-of-Way

Approved Thomas M. Major
Date 7-7-67 Deputy Director of Planning and Programming

Approved E. W. Wilson
Date 7-7-67 First Assistant Director

Approved P. E. Manlove
Date 7-7-67 Director of Highways

Standard Drawings					
BP-.5	6-1-65	HW-1	6-1-65		
BP-.6	6-1-65	HW-3	6-1-65		
CB-2-2A+B	6-1-65	HW-E	6-1-65	A-1-54	11-8-65
CB-.5	6-1-65	L-1	6-1-65	A5-1-54	8-10-65
CB-.6	6-1-65			C5-1-65 Sht. 1 & 2	6-1-65
F-.2	6-1-65	MC-1	6-1-65	P-1-54	11-8-65
GR-1	1-1-67	MC-3	5-1-66		
GR-2A	1-1-67	MC-4	6-1-65		
GR-5B	6-1-65	BP-3	1-10-67		

Supplemental Specifications	
801	1-1-67
815	1-1-67
816	8-6-65
1001	3-21-66
808	1-13-67
825	1-1-67

Quantities Checked By	Date

File No.

Paulding & Van Wert Counties Pau.Van.-30-0.00
Date of Letting _____ 19____
Contract No. _____

We hereby approve the treatment of County and Township roads as shown on these plans.

Date: _____

_____ Board of Paulding County Commissioners

_____ Paulding Co. Engineer

MICROFILMED
JUL. 1 1 1986

SCHEMATIC PLAN

PAULDING & VAN WERT COUNTIES

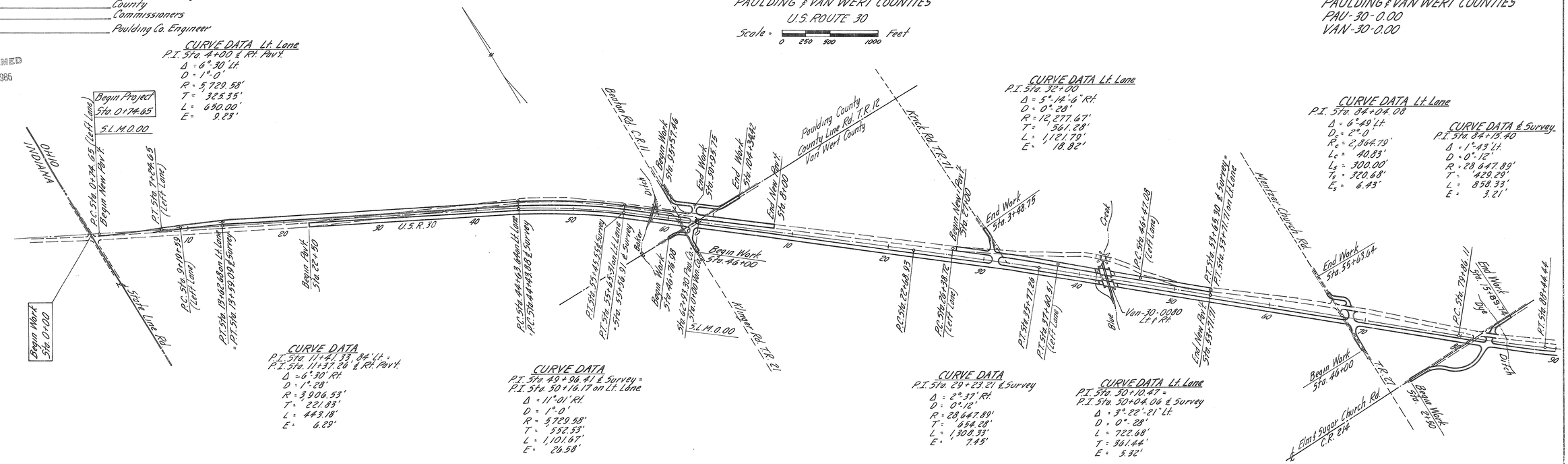
U.S. ROUTE 30

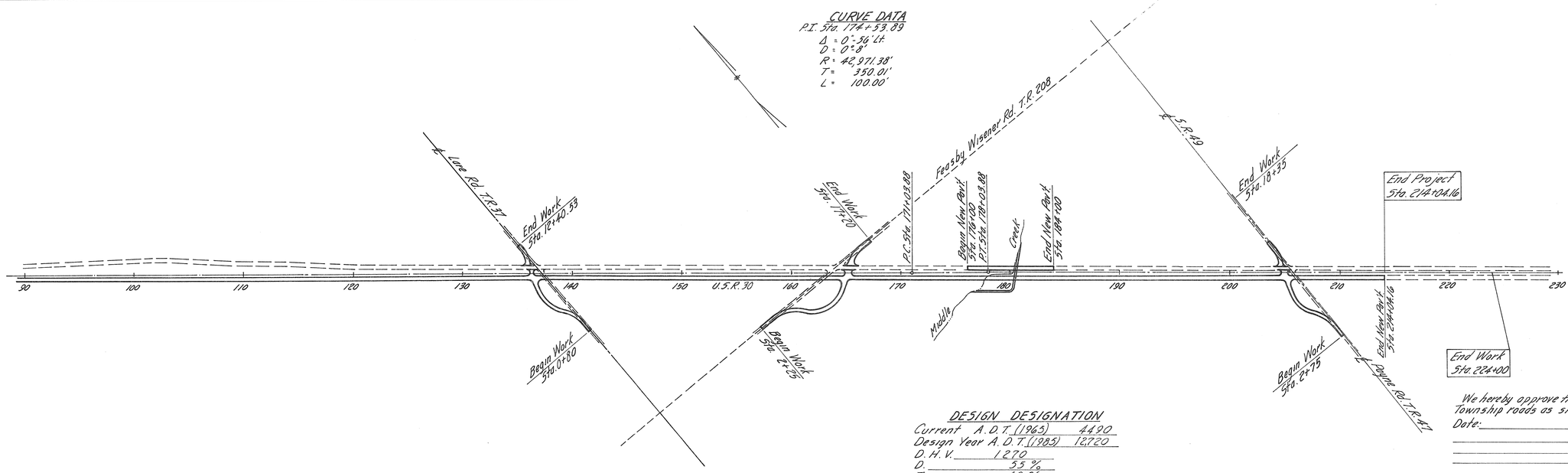
Scale = 0 250 500 1000 Feet

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

2

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





DESIGN DESIGNATION

Current A.D.T. (1965)	4490
Design Year A.D.T. (1985)	12,720
D.H.V.	1270
D.	55 %
T.	42 %
V.	70 M.P.H.

We hereby approve the treatment of County and Township roads as shown on these plans.

Date: _____

_____ Board of Van Wert County Commissioners

_____ Van Wert Engineer

SCHEMATIC PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

3

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

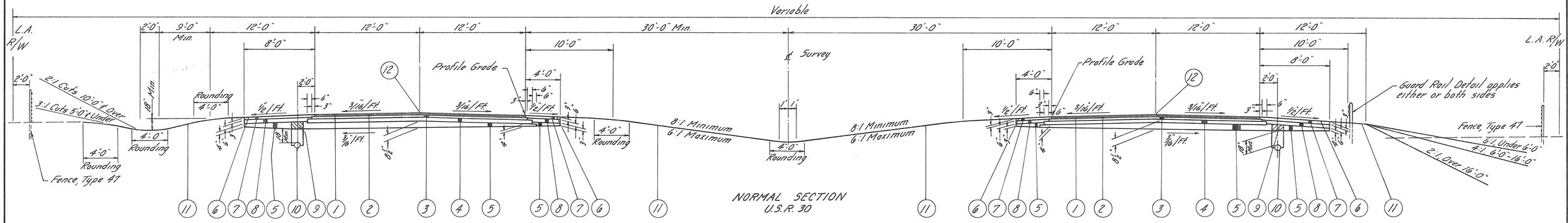
TYPICAL SECTIONS

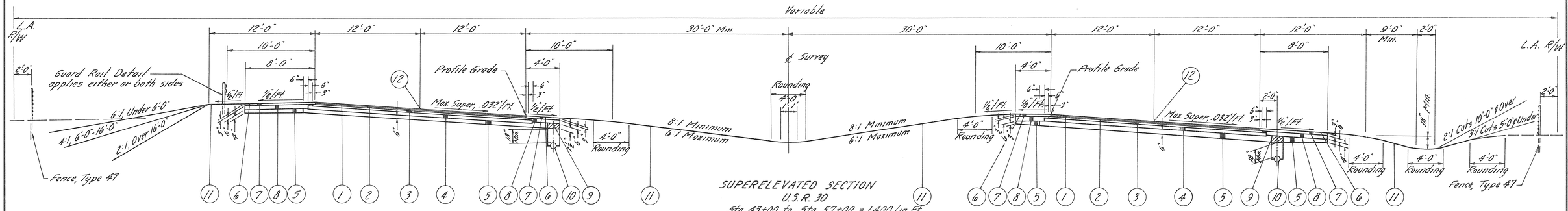
TYPE 404 ON 301

Normal Section Applies:

Sta. 22+50 to Sta. 43+00	=	2050.00 Lin. Ft.	Paulding Co.
Sta. 57+00 to Sta. 62+93.30	=	593.30 Lin. Ft.	Paulding Co.
Sta. 0+00 to Sta. 8+00	=	800.00 Lin. Ft.	Van Wert Co.
Sta. 27+00 to Sta. 53+65.30	=	2665.30* Lin. Ft.	
Sta. 176+00 to Sta. 184+00	=	800.00 Lin. Ft.	Van Wert Co.

* Deduct 149.18 Lin. Ft. for Bridge & Approach Slabs.





Note: See note in proposal for surface tolerance requirements on the mainline pavement.

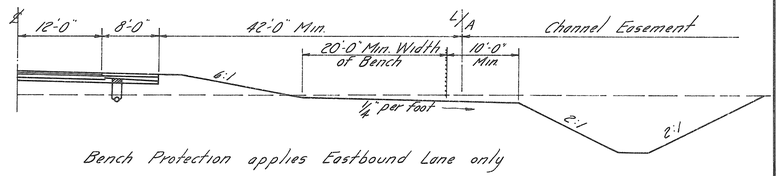
Note: Types 404 and 402 asphalt concrete courses are to be placed using a hot longitudinal joint – See note in proposal.

Note: Sequence of operations (1) install 605 pipe underdrain on outside shoulder, installation of pipe underdrain in median may be deferred until 404 is placed (#2) place subbase out over 605 backfill or to 15" beyond edge of pavement where no underdrain is present, (3) construct succeeding courses, (4) remove subbase and any contaminated material over underdrain and replace with 605 backfill or 304 aggregate base material as shown by (9), (5) complete shoulder construction.
Payment shall be made for all subbase placed in this operation.

LEGEND

(1)	Item 404	1¼" Asphalt Concrete (70-85).
(2)	Item 402	1½" Asphalt Concrete (70-85).
(3)	Item 302	3" Asphalt Concrete (70-85).
(4)	Item 301	5" Bituminous Aggregate Base. ~ 702.01 (85-100) or 702.09, RT-10.
(5)	Item 310	Subbase
(6)	Item 409	Seal Coat using 0.008 cu. yd. No. 8 Aggregate per sq. yd. and 0.30 gal. Bituminous material per sq. yd. (See note in proposal)
(7)	Item 301	3" Bituminous Aggregate Base ~ 702.01 (85-100) or 702.09, RT-10.
(8)	Item 304	6" Aggregate Base.
(9)		Drainage connection with 605 backfill or 304 aggregate base material. Cost of this item to be included in price bid for 605 shallow pipe underdrain.
(10)	Item 605	6" Shallow pipe underdrains.
(11)	Item 659	Seeding and Mulching. (See General Notes)
(12)		Hot Longitudinal Joint. (See note in Proposal)

Note: Earth portion of shoulder shall be finished 1" below paved shoulder



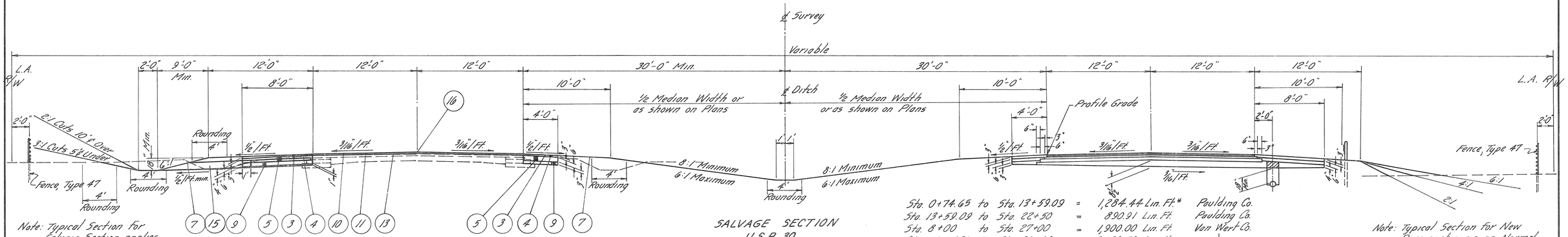
Bench Protection applies Eastbound Lane only

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

4

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

TYPICAL SECTIONS
TYPE 404



Note: Typical Section for Salvage Section applies to either side Center Line of Survey or as shown on plans.

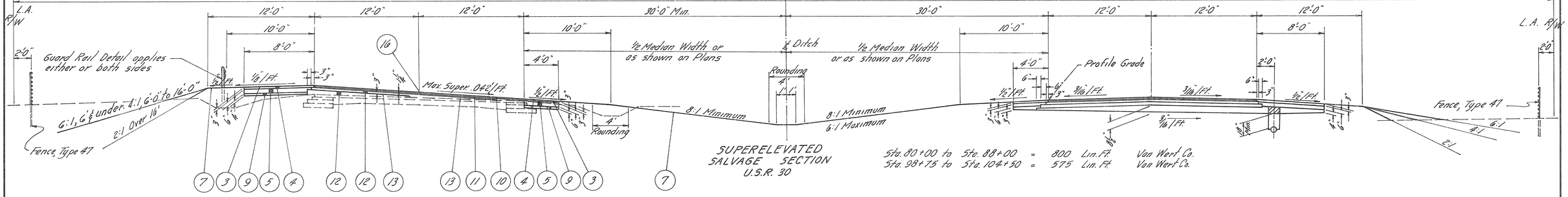
Existing Pavement
Surface: 24' Asphalt Concrete.
Base: 20' Plain Concrete widened 4' with Asphalt Conc. Base

SALVAGE SECTION
U.S.R. 30

Sta. 0+74.65	to	Sta. 13+59.09	=	1,284.44 Lin. Ft.*	Paulding Co.
Sta. 13+59.09	to	Sta. 22+50	=	890.91 Lin. Ft.	Paulding Co.
Sta. 8+00	to	Sta. 27+00	=	1,900.00 Lin. Ft.	Van Wert Co.
Sta. 53+65.30	to	Sta. 80+00	=	2,634.70 Lin. Ft.	
Sta. 88+00	to	Sta. 98+75	=	1,075.00 Lin. Ft.	
Sta. 104+50	to	Sta. 176+00	=	7,150.00 Lin. Ft.	
Sta. 184+00	to	Sta. 214+04.16	=	3,004.16 Lin. Ft.	Van Wert Co.

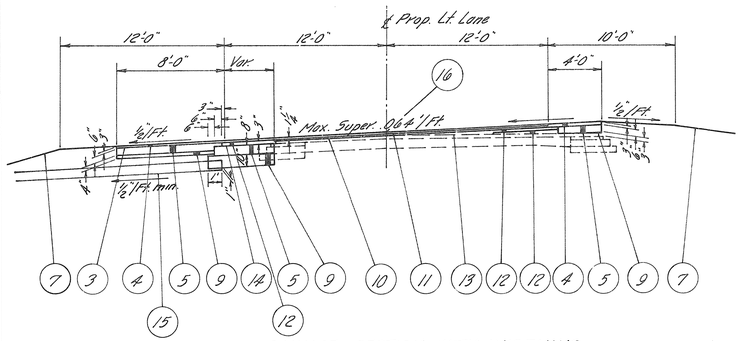
Note: Typical Section for New Pavement same as Normal Section.

* Transition - 2 Lanes to 4 Lanes - see sheet No. 132



SUPERELEVATED SALVAGE SECTION
U.S.R. 30

Sta. 80+00	to	Sta. 88+00	=	800 Lin. Ft.	Van Wert Co.
Sta. 98+75	to	Sta. 104+50	=	575 Lin. Ft.	Van Wert Co.



SALVAGE SECTION WITH WIDENING
U.S.R. 30
Sta. 82+75 to Sta. 86+00 = 325 Lin. Ft.

LEGEND

(3) Item 409 Seal Coat using 0.008 Cu. Yd. No. 8 Aggregate per Sq. Yd. and 0.30 Gal. Bituminous Material per sq. yd. (See note in proposal).

(4) Item 301 Bituminous Aggregate Base - 702.01(85-100) or 702.09, RT-10

(5) Item 304 Aggregate Base

(7) Item 659 Seeding and Mulching. (See General Notes)

(9) Item 310 Subbase

(10) Item 404 1¼" Asphalt Concrete (70-85).

(11) Item 402 Asphalt Concrete (70-85) 1" Min. Preleveling (See note in Proposal)

(12) Item 301 Bituminous Aggregate Base 1" Min. Preleveling, 702.01(85-100) or 702.09 RT-10 (See note in Proposal)

(13) Item 407 Tack Coat 702.04, MS-2 or RS-1, or 702.02, RC-70 or RC-250, as per Sec. 407.02; applied at the rate of 0.10 Gal. per Sq. Yd.

(14) Item 408 Bituminous Prime Coat 702.09, RT-2 or RT-3, applied at the rate of 0.40 Gal. per Sq. Yd.

(15) Item 605 Aggregate Drains. (See General Notes)

(16) Hot Longitudinal Joint. (See note in Proposal)

Note: Type 404 asphalt concrete course to be placed using a hot longitudinal joint. See Note in proposal.
Earth Portion of shoulder shall be finished 1" below Paved Shoulder.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

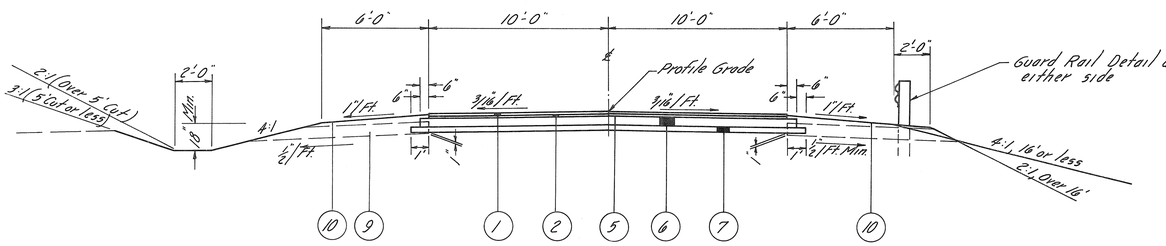
5

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

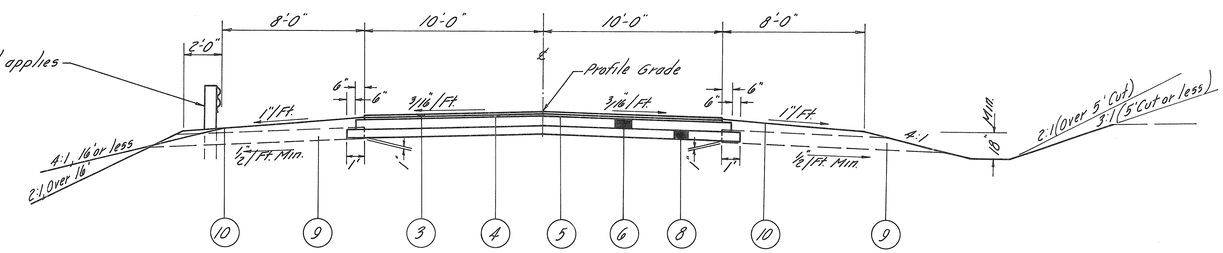
TYPICAL SECTIONS

S.R. 49 & COUNTY ROADS

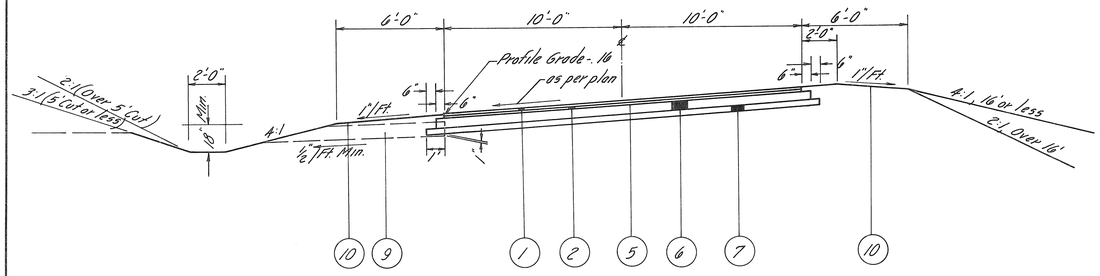
TYPE 404 ON 304



NORMAL SECTION - County Roads



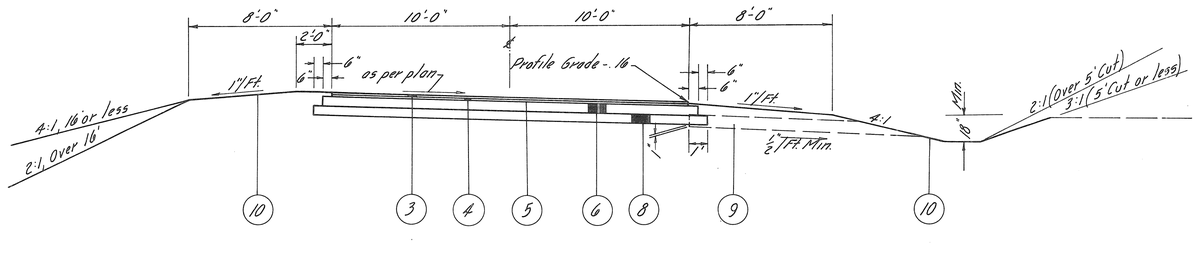
NORMAL SECTION - S.R. 49



SUPERELEVATED SECTION - County Roods

Klinger Road	Sta. 46+50 to Sta. 47+57.31	=	107.31 Lin. Ft.
Benton Road County Line Road	Sta. 96+25 to Sta. 103+75	=	750.00 Lin. Ft.
Krick Road	Sta. 1+68.61 to Sta. 3+00	=	131.39 Lin. Ft.
Mentzer Church Road	Sta. 46+50 to Sta. 48+16.63	=	166.63 Lin. Ft.
Elm Sugar Grove Church Road	Sta. 3+00 to Sta. 10+44.72	=	744.72 Lin. Ft.
	Sta. 13+17.25 to Sta. 14+75	=	157.75 Lin. Ft.
Lore Road	Sta. 2+00 to Sta. 7+64.31	=	564.31 Lin. Ft.
	Sta. 10+00.77 to Sta. 11+25	=	124.23 Lin. Ft.
Feasby Wisener Rd.	Sta. 2+75 to Sta. 10+77.81	=	802.81 Lin. Ft.
	Sta. 13+46.86 to Sta. 15+50	=	203.14 Lin. Ft.
Payne Road	Sta. 3+50 to Sta. 9+40.80	=	590.80 Lin. Ft.

Note: For Details not shown see Standard drawing MC-1
Earth shoulder shall be finished 1" below pavement edge normal section, or low side superelevated section.



SUPERELEVATED SECTION - S.R. 49
Sta. 12+07.62 to Sta. 13+50 = 142.38' Lin. Ft.

LEGEND

(1)	Item 404	1 1/4" Asphalt Concrete (85-100).
(2)	Item 402	1 1/4" Asphalt Concrete (85-100).
(3)	Item 404	1 1/4" Asphalt Concrete (70-85).
(4)	Item 402	1 3/4" Asphalt Concrete (70-85).
(5)	Item 408	Bituminous Prime Coat using 702.09 RT-2 or RT-3 applied at the rate of 0.40 gal. per sq. yd.
(6)	Item 304	6" Aggregate Base.
(7)	Item 310	4" Subbase.
(8)	Item 310	6" Subbase.
(9)	Item 605	Aggregate Drains (See General Notes)
(10)	Item 659	Seeding and Mulching. (See General Notes)

GENERAL NOTES

FED. RD. DIVISION	STATE	PROJECT		6
5	OHIO			

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

FIELD OFFICE:

THE CONTRACTOR SHALL, IN ADDITION TO THE REQUIREMENTS OF 105.152, PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 400 SQ. FT. OF FLOOR SPACE. THE CONTRACTOR SHALL HAVE A TELEPHONE INSTALLED AND MAINTAINED IN THIS FIELD OFFICE DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL ALSO PROVIDE AND MAINTAIN SANITARY PROVISIONS AS PER 107.06. ALL THE ABOVE IS INCLUDED IN THE LUMP SUM PRICE BID FOR "FIELD OFFICE".

ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS:

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

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 DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.

CONSTRUCTION LAYOUT STAKES:

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

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.

ELEVATION DATUM:

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

CONTRACTOR'S MAINTENANCE RESPONSIBILITY:

ON THIS PROJECT, THE CONTRACTOR'S RESPONSIBILITY FOR MAINTENANCE OF THE EXISTING PAVEMENT PER ITEM 614 SHALL BE LIMITED TO THOSE PORTIONS OF THE EXISTING PAVEMENT LYING WITHIN THE PROPOSED WORK LIMITS.

ITEM 614 MAINTAINING TRAFFIC:

ESTIMATED QUANTITIES OF ITEM 616, 6 TONS OF CALCIUM CHLORIDE AND 22.0 M. GALS. OF WATER FOR DUST CONTROL, AND ITEM 410, 500 CU. YDS. TRAFFIC COMPACTED SURFACE TYPE A OR B, FOR MAINTAINING TRAFFIC HAVE BEEN PROVIDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

REMOVAL OF EXISTING PIPE:

THE REMOVAL OF ALL EXISTING PIPE DRAINS WHICH WOULD NORMALLY BE REMOVED IN VARIOUS EXCAVATION ITEMS SHALL BE INCLUDED FOR PAYMENT IN THE UNIT PRICES BID FOR THE RESPECTIVE EXCAVATION ITEMS, UNLESS OTHERWISE ITEMIZED IN THE PLANS.

REMOVAL OF TREES AND STUMPS:

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE LUMP SUM PRICE BID FOR "ITEM 201 CLEARING AND GRUBBING", EXCEPT THAT THOSE TREES 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
18"	81	14
30"	25	6
48"	14	0
60"	0	0

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 201 CLEARING AND GRUBBING".

PAVEMENT REMOVAL OUTSIDE NORMAL CONSTRUCTION LIMITS:

AFTER THE EXISTING PAVEMENT AS INDICATED ON THE PLANS HAS BEEN REMOVED, THE OLD ROADWAY SHALL BE GRADED TO THE LEVEL OF THE SURROUNDING GROUND, THE OLD DITCHES FILLED AND THE DISTURBED AREAS SLOPED TO DRAIN AND LEFT IN A NEAT CONDITION READY FOR SEEDING. SEEDING SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH ITEM 659 SEEDING AND MULCHING. PAYMENT FOR ALL OTHER WORK REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.

GUARD RAIL REMOVAL:

EXISTING GUARD RAIL WILL BE REMOVED BY OTHERS.

ITEM 659 SEEDING:

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE RIGHT OF WAY FENCE LINES, BETWEEN THE RIGHT OF WAY LINES IN THE UNFENCED AREA, AND WITHIN THE WORK LIMITS FOR AREAS OUTSIDE THE RIGHT OF WAY LINES COVERED BY WORK AGREEMENT OR CHANNEL EASEMENT.

SEEDING FORMULA:

THE FOLLOWING SEED MIXTURE, IN LIEU OF THE MIXTURES LISTED IN 659.09, SHALL BE USED THROUGHOUT THE LIMITS OF THIS PROJECT:

MEDIAN AREAS AND LAWN SECTIONS:

60% KENTUCKY BLUE GRASS
25% PENNLAWN FESCUE
15% RED TOP

ALL OTHER AREAS:

60% KENTUCKY 31 FESCUE
25% KENTUCKY BLUE GRASS
15% RED TOP

ANY STONE OR OTHER DEBRIS 2" OR OVER IN DIAMETER SHALL BE REMOVED FROM THE EXPOSED SURFACE OF THE SEED BED.

COMMERCIAL FERTILIZER:

FORMULA 12-12-12 SHALL BE APPLIED AT THE RATE OF TWENTY (20) POUNDS PER THOUSAND (1000) SQUARE FEET TO ALL AREAS TO BE SEEDED OR SODDED.

EROSION CONTROL:

ITEMS 601, ARE PROVIDED IN THESE PLANS FOR EROSION CONTROL. THE ENGINEER WILL CHECK AND NON-PERFORM OR ADJUST LOCATIONS AND QUANTITIES FOR THESE ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION.

DRIVEWAYS AND MEDIAN CROSSOVERS:

UNLESS OTHERWISE SHOWN ON THESE PLANS, ALL DRIVEWAYS AND MEDIAN CROSSOVERS SHALL BE TYPE I STANDARD DRAWING BP-6, MODIFIED BY DELETING THE 12" OFFSET AT THE EDGE OF PAVEMENT. PAVEMENT COURSES AND THICKNESSES ARE AS FOLLOWS:

TYPE OF APPROACH:	DRIVE APRON			OTHER AREAS			
	301	304	310	301	304	310	404
RESIDENCE DRIVE	3"	6"	3"	0	8"	0	*
COMMERCIAL DRIVE	3"	6"	3"	0	9"	0	**
FIELD DRIVE	0	6"	0	0	6"	0	0
MEDIAN CROSSOVER	3"	6"	3"	3"	6"	3"	0

* IF EXISTING DRIVE IS HARD-SURFACED; 5" 304, 2-1" 404
** IF EXISTING DRIVE IS HARD-SURFACED; 7" 304, 2-1" 404

ALL DRIVEWAYS MEASURED FROM THE EDGE OF THE PAVEMENT.

ITEM SPECIAL - CLEANING PRIVY VAULTS:

PRIVY VAULTS SHALL BE CLEANED AND FILLED WITH SUITABLE MATERIAL AS DIRECTED BY THE ENGINEER. MATERIAL REMOVED FROM THESE VAULTS SHALL BE CLASSIFIED AS UNSUITABLE AND DISPOSED OF OUTSIDE THE LIMITS OF RIGHT OF WAY OR EASEMENT LINES. THE CLEANING OF PRIVY VAULTS SHALL BE PAID FOR UNDER "ITEM SPECIAL, CLEANING OF PRIVY VAULTS".

THE BACKFILLING OF PRIVY VAULTS SHALL BE PAID FOR UNDER "ITEM 203 EMBANKMENT". THE PRICE BID FOR THIS ITEM SHALL CONSTITUTE FULL COMPENSATION FOR PERFORMING ALL THE REQUIREMENTS OF THE ITEM AND FOR ALL LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.

ITEM SPECIAL - CLEANING AND DISPOSING OF SEPTIC TANKS:

THIS ITEM SHALL INCLUDE CLEANING, BACKFILLING AND REMOVING OF ALL OR ANY PORTION OF EXISTING SEPTIC TANKS.

ALL SEPTIC TANKS LYING WITHIN THE PROPOSED RIGHT OF WAY LIMITS SHALL BE CLEANED AND EMPTIED. MATERIAL REMOVED FROM THESE TANKS SHALL BE CLASSIFIED AS UNSUITABLE AND DISPOSED OF OUTSIDE THE RIGHT OF WAY OR EASEMENT LINES.

WHEN THE SEPTIC TANKS ARE LOCATED ABOVE THE FINISHED PAVEMENT OR GROUND LINES, THEY SHALL BE ENTIRELY REMOVED AND DISPOSED OF IN ACCORDANCE WITH SECTION 202.02.

WHEN THE TANKS ARE LOCATED BELOW THE FINISHED PAVEMENT OR GROUND LINES, THE TOPS OF THE TANKS SHALL BE REMOVED AND THE WALLS SHALL BE REMOVED TO A DEPTH OF 3 FEET BELOW THE FINISHED SUBGRADE OR GROUND LINE. THE REMOVED MATERIAL SHALL BE DISPOSED OF AS EXPLAINED ABOVE. THE TANKS SHALL BE BACKFILLED WITH SUITABLE SOIL OR GRANULAR MATERIAL IN ACCORDANCE WITH SECTION 203.02.

THIS ITEM SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH FOR "ITEM SPECIAL - CLEANING AND DISPOSING OF SEPTIC TANKS", WHICH PRICE AND PAVEMENT SHALL CONSTITUTE FULL COMPENSATION FOR CLEANING, REMOVING, AND DISPOSING OF EXCESS MATERIALS, BACKFILLING, AND FOR ALL EXCAVATION, LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.

ITEM SPECIAL - DRILLED WELL ABANDONED:

THE EXISTING CONCRETE OR STONE SLAB WELL COVER AND PUMPING EQUIPMENT SHALL BE REMOVED AND DISPOSED OF. THE CASING SHALL BE CUT OFF AT LEAST TWO (2) FEET BELOW THE PROPOSED FINISHED GRADE OUTSIDE PROPOSED PAVEMENT AREAS OR AT LEAST TWO (2) 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.

ITEM SPECIAL - REMOVAL AND DISPOSAL OF EXISTING UNDERGROUND STORAGE TANKS:

THIS ITEM SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF UNDERGROUND STORAGE TANKS (ENCOUNTERED AT EACH LOCATION) AS DESIGNATED ON THE PLANS INCLUDING EXCAVATION AND BACKFILL.

THE TANKS SHALL BE REMOVED IN THEIR ENTIRETY AND SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM UNLESS OTHERWISE SHOWN ON THE PLANS. THE BACKFILLING AND COMPACTING OF THE EXCAVATED AREA SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF ITEM 203.

THIS ITEM SHALL BE PAID FOR AT A LUMP SUM PRICE BID FOR "ITEM SPECIAL, REMOVAL AND DISPOSAL OF EXISTING UNDERGROUND STORAGE TANKS", WHICH LUMP SUM PRICE AND PAYMENT SHALL CONSTITUTE FULL COMPENSATION FOR PERFORMING ALL OF THE REQUIREMENTS OF THIS ITEM, INCLUDING ALL LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.

ITEM 203 PROOF ROLLING:

AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN PROVIDED IN THE GENERAL SUMMARY FOR USE IN PROOF ROLLING OF SUBGRADE FOR THE MAINLINE AND FOR PAVED SHOULDERS, IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 801.

ITEM 603 CONDUIT, AS PER PLAN:

AT STATION 204 + 00 THE 36" TYPE A CONDUIT SHALL BE PLACED UNDER THE EXISTING PAVEMENT BY JACKING. OPEN TRENCH SHALL NOT BE PERMITTED CLOSER THAN 5 FEET TO THE EDGE OF EXISTING PAVEMENT. THE REMAINDER OF THE CONDUIT MAY BE PLACED BY OPEN TRENCH METHOD.

ITEM 604:

ALL STANDARD 2-2A AND 2-2B CATCH BASINS DESIGNATED IN THESE PLANS SHALL BE BUILT WITH A 12" SUMP.

NO. 6 CATCH BASINS, MODIFIED:

FOR MODIFICATION AND LOCATION OF NO. 6 CATCH BASINS, MODIFIED SEE SHEET NO. 43.

CHANNEL EMBANKMENTS:

PORTIONS OF THE EXISTING CHANNEL SHALL BE FILLED AND SLOPED TO DRAIN AS CALLED FOR ON THE PLANS AND INCLUDED FOR PAYMENT IN THE PRICE BID FOR "ITEM 203 EMBANKMENT". THE CONTRACTOR SHALL USE EITHER SUITABLE OR UNSUITABLE MATERIAL TO THE EXTENT AVAILABLE FOR CHANNEL EMBANKMENTS.

AREAS WHERE CHANNEL EMBANKMENTS ARE TO BE PLACED SHALL BE CLEARED OF WEEDS AND BRUSH BUT NEED NOT BE SCALPED.

THE REQUIREMENTS FOR MOISTURE, DENSITY CONTROL, BENCHING, AND SUITABLE MATERIALS SHALL BE WAIVED.

THE DEPTH OF LAYERS IN WHICH THE EMBANKMENTS ARE PLACED AND THEIR COMPACTION SHALL, IN LIEU OF THE REQUIREMENTS OF ITEM 203, CONFORM WITH ACCEPTABLE CONSTRUCTION PRACTICES AS DETERMINED BY THE ENGINEER.

NO PROVISION OF THE SPECIFICATIONS SHALL BE WAIVED FOR EMBANKMENTS WHICH SUPPORT ANY PORTION OF THE NEW PAVEMENT, BERMS, OR STRUCTURAL MEMBERS.

ITEM 605 AGGREGATE DRAINS:

AGGREGATE DRAINS SHALL BE PLACED AT FIFTY (50) FOOT INTERVALS ON EACH SIDE OF NORMAL CROWNED SECTIONS AND AT TWENTY-FIVE (25) FOOT INTERVALS ON THE LOW SIDE ONLY OF SUPERELEVATED SECTIONS, EXCEPT WHERE ITEM 605 SHALLOW PIPE UNDERDRAINS HAVE BEEN PROVIDED. AN AGGREGATE DRAIN SHALL BE PLACED AT THE LOW POINT OF EACH SAG VERTICAL CURVE.

ITEM 605 SHALLOW PIPE UNDERDRAINS:

THE GRADES SHOWN ON THE PLAN AND PROFILE SHEETS MAY BE ADJUSTED FOR A SHORT DISTANCE, WHERE THEY OUTLET INTO A 15" OR 18" TYPE B-B MEDIAN OUTLET, TO SECURE A GOOD CONNECTION.

PLUGGING PIPE:

THE UPSTREAM ENDS OF ALL PIPE OR TILE LINES INTERCEPTED BY EARTHWORK OPERATIONS (AND, WHERE INDICATED, THE ENDS OF PIPE LINES TO BE ABANDONED IN PLACE) SHALL BE EFFECTIVELY BLOCKED AND COVERED. BROKEN PIECES AND PORTIONS OF PIPE OR TILE SHALL BE REMOVED UNTIL A WHOLE UNDAMAGED LENGTH IS ENCOUNTERED. THIS PIPE SHALL THEN BE BLOCKED WITH CONCRETE, FLAT STONE OR BRICK LAID IN MORTAR, OR A PRECAST CLAY OR CONCRETE STOPPER. IF AT THE TIME OF CONSTRUCTION, THERE ARE PROPOSED HEADER TILE ON PRIVATE RIGHT OF WAY THAT HAVE NOT BEEN PLACED, THE CONTRACTOR SHALL PLUG AT THE RIGHT OF WAY LINE ALL FIELD TILE THAT ARE INTERCEPTED BY THE ROADWAY DITCH. PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR "ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION".

CONNECTIONS TO EXISTING PIPE:

AT PLACES WHERE THE PLANS PROVIDE FOR PROPOSED PIPE TO BE CONNECTED TO EXISTING PIPE, 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 603 CONDUIT ITEM.

FARM DRAINS:

ALL FARM DRAINS 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)(CONSTRUCTION) LIMITS BY ITEM 603 CONDUIT, TYPE B WITH CLASS B BEDDING, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

EXISTING COLLECTORS AND ISOLATED FARM DRAINS WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF THE ROADWAY DITCHES SHALL BE OUTLETTED INTO THE ROADWAY DITCH BY 603 TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION SHALL, IF POSSIBLE, BE ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. LATERAL TILE FIELDS WHICH CROSS THE ROADWAY SHALL BE INTERCEPTED BY 603 TYPE E CONDUIT 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:

ITEM 603 8" CONDUIT, TYPE B WITH CLASS B BEDDING	100 LIN.FT.
ITEM 603 6" CONDUIT, TYPE E	200 LIN.FT.
ITEM 603 8" CONDUIT, TYPE E	200 LIN.FT.
ITEM 603 6" CONDUIT, TYPE F	100 LIN.FT.
ITEM 603 8" CONDUIT, TYPE F	100 LIN.FT.
ITEM 601, CRUSHED AGGREGATE SLOPE PROTECTION	100 SQ.YDS.
ITEM 660, SODDING	300 SQ.YDS.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL REQUESTED BY THE ENGINEER.

MAINTENANCE OF SEWER FLOWS:

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES SEWER FLOWS THROUGH EXISTING FACILITIES TO REMAIN IN PLACE AND THROUGH EXISTING FACILITIES TO BE REPLACED UNTIL NEW FACILITIES ARE COMPLETED AND PLACED INTO USE.

PAYMENT FOR ANY ADDITIONAL COSTS INVOLVED IN MAINTAINING THESE FLOWS BY PUMPING OR BY ANY OTHER MEANS APPROVED BY THE ENGINEER SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE RESPECTIVE ITEMS OF 603 CONDUIT.

SANITARY FLOW INTO HIGHWAY DRAINAGE SYSTEMS:

THIS PLAN MAKES NO PROVISION FOR CONNECTING, NOR SHALL THE ENGINEER OR CONTRACTOR CONNECT, ANY EXISTING OR NEW DRAINAGE INTO THE HIGHWAY DRAINAGE SYSTEM WHEN SUCH DRAINS CARRY FLOW FROM ANY PLUMBING FIXTURES INCLUDING FLOOR DRAINS AND SINK DRAINS OR DRAINS FROM LIVESTOCK LOTS OR BARNS OR POLLUTED WATER OF ANY KIND.

EXISTING PIPE CARRYING FLOW WHICH COMES WITHIN THE CATEGORY OUTLINED ABOVE SHALL BE PLUGGED WITH CLASS E CONCRETE AT THE RIGHT OF WAY LINE. PAYMENT FOR SAID PLUGGING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 EXCAVATION (OR THE PERTINENT 202 ITEM).

GENERAL NOTES

FED. RD. DIVISION	STATE	PROJECT		7
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PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

TRAFFIC AND CONSTRUCTION PROCEDURE:

TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE PROVISIONS OF ITEM 614 AND WITH THE REQUIREMENTS OF THE WORK BY USING THE EXISTING PAVEMENT, THE PROPOSED PAVEMENT, AND THE TEMPORARY PAVEMENT. THE FOLLOWING CONSTRUCTION PROCEDURE IS SUGGESTED SO THAT THROUGH TRAFFIC ON U.S.R. 30 CAN PROCEED WITH A MINIMUM DISRUPTION:

1. MAINTAIN TRAFFIC OVER EXISTING PAVEMENT AND STRUCTURES.
2. COMPLETE CONSTRUCTION OF WESTBOUND (LEFT) LANE FROM STATION 0 + 74.65 TO STATION 34 + 00 IN PAULDING COUNTY.
3. COMPLETE CONSTRUCTION OF EASTBOUND (RIGHT) LANE FROM STATION 32 + 50 IN PAULDING COUNTY TO THE END OF PROJECT, AND CONSTRUCT:
   A. STRUCTURE 1-C UNDER THE EASTBOUND (RIGHT) LANE AND OUTLET INTO EXISTING STRUCTURE.
   B. STRUCTURES OVER BLUE CREEK -- BOTH LANES.
   C. STRUCTURE 2-C UNDER THE EASTBOUND (RIGHT) LANE AND OUTLET INTO THE EXISTING 24" FIELD TILE AT STATION 85 + 20±.
   D. STRUCTURE 3-C UNDER THE EASTBOUND (RIGHT) LANE AND OUTLET INTO EXISTING STRUCTURE.
   E. STRUCTURE 4-C UNDER THE EASTBOUND (RIGHT) LANE AND JACKING SAME UNDER THE WESTBOUND (LEFT) LANE.
4. COMPLETE CONSTRUCTION OF EASTBOUND (RIGHT) LANE FROM STATE LINE TO STATION 15 + 00 IN PAULDING COUNTY.
5. UPON COMPLETION OF ITEMS 2, 3, AND 4, CONSTRUCT TEMPORARY PAVEMENT AS SHOWN ON SHEETS 14, 16, AND 40.
6. ROUTE TRAFFIC OVER THE COMPLETED LANES AND TEMPORARY PAVEMENTS.
7. COMPLETE CONSTRUCTION OF WESTBOUND (LEFT) LANE AND EASTBOUND (RIGHT) LANE.
8. COMPLETE CONSTRUCTION OF ALL INTERSECTED AND RELOCATED COUNTY, TOWNSHIP, AND STATE HIGHWAYS.
9. UPON COMPLETION OF ITEM 7 AND/OR 8, OPEN BOTH LANES TO TRAFFIC AND REMOVE ALL TEMPORARY PAVEMENTS AND ROADS.
10. NO TWO PARALLEL COUNTY OR TOWNSHIP HIGHWAYS SHALL BE CLOSED TO TRAFFIC DURING THE SAME PERIOD OF TIME. TRAFFIC SHALL BE MAINTAINED ON S.R. 49.

LIGHTS AND SIGNS AT ADJACENT ROAD INTERSECTIONS:

THE CONTRACTOR SHALL, IN ADDITION TO THE GENERAL REQUIREMENTS OF ITEM 614 ON THIS PROJECT, PERFORM THE FOLLOWING: PROVIDE, ERECT, AND MAINTAIN STANDARD 48" x 30" SIZE "ROAD CLOSED" SIGNS, SIGN SUPPORTS, AND LIGHTS AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC:

1. KLINGER ROAD JUST NORTH OF ELM SUGAR GROVE CHURCH ROAD INTERSECTION.
2. BENTON ROAD JUST SOUTH OF EIBLING ROAD INTERSECTION.
3. COUNTY LINE ROAD JUST WEST OF KRICK ROAD-GIDEON ROAD INTERSECTION.
4. KRICK ROAD JUST SOUTH OF COUNTY LINE ROAD INTERSECTION.
5. MENTZER CHURCH ROAD JUST NORTH OF ELM SUGAR GROVE CHURCH ROAD INTERSECTION.
6. ELM SUGAR GROVE CHURCH ROAD JUST EAST OF MENTZER CHURCH ROAD INTERSECTION.
7. ELM SUGAR GROVE CHURCH ROAD JUST WEST OF LARE ROAD INTERSECTION.
8. LARE ROAD JUST SOUTH OF ELM SUGAR GROVE CHURCH ROAD INTERSECTION.
9. LARE ROAD JUST NORTH OF FEASBY WISENER ROAD INTERSECTION.
10. FEASBY WISENER ROAD JUST EAST OF LARE ROAD INTERSECTION.
11. FEASBY WISENER ROAD JUST WEST OF S.R. 49 INTERSECTION.
12. PAYNE ROAD JUST NORTH OF SHAW ROAD INTERSECTION.

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 THE LIGHTS, SIGNS, AND SIGN SUPPORTS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR "ITEM 614 MAINTAINING TRAFFIC".

TRAFFIC SIGN ERECTION:

THE CONTRACTOR SHALL ERECT PANELS FURNISHED BY OTHERS AS NOTED ON THE SCHEMATIC SIGNING LAYOUT SHEETS NO. 135 TO 140, INCLUSIVE. THE PANELS SHALL BE MOUNTED ON THE BRACKETS OR BEAM SUPPORTS PROVIDED IN THE PLANS.

A SCHEDULE FOR SIGN ERECTION SHALL BE SUBMITTED TO THE ENGINEER, BUREAU OF TRAFFIC, 450 EAST TOWN STREET, COLUMBUS, OHIO, 60 CALENDAR DAYS PRIOR TO THE START OF ANY SCHEDULED ERECTION WORK. THE SCHEDULE SHALL INCLUDE PROPOSED DATES, TIME, AND DELIVERY POINT.

THE PRICE BID PER SQUARE FOOT FOR "ITEM 815 SIGN ERECTION BY TYPE, AS PER PLAN" SHALL INCLUDE ALL NECESSARY EQUIPMENT, MANPOWER, AND TOOLS TO ERECT THE SIGNS NOTED. ALL SIGN MATERIAL AND ACCESSORIES WILL BE FURNISHED AND TRANSPORTED TO A DESIGNATED DELIVERY POINT, ON OR NEAR THE SUBJECT PROJECT, BY OTHERS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HANDLING AND STORAGE OF THE SIGN PANELS AND ACCESSORIES FROM THE TIME OF ARRIVAL AT THE DELIVERY POINT.

GALVANIZED SUPPORTS, AS PER PLAN:

THE STRUCTURAL STEEL BEAM SUPPORTS INCLUDING THE 8 LB. AND 4 LB. BEAM, AND 4 LB, DRIVE POST SHALL BE GALVANIZED (AFTER PUNCHING) IN ACCORDANCE WITH ASTM A123. ALL BOLTS, NUTS, PLAIN AND LOCKWASHERS, SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153, EXCEPT WHERE ALUMINUM OR STAINLESS STEEL IS REQUIRED.

816 CONCRETE FOR SIGN SUPPORT FOUNDATIONS, AS PER PLAN:

PAYMENT FOR THIS ITEM SHALL BE BASED ON PLAN DIMENSIONS (OR DIMENSIONS AS MODIFIED BY THE ENGINEER) IN LIEU OF PLAN QUANTITIES AS SPECIFIED IN SUPPLEMENTAL SPECIFICATION 816.

STRUCTURAL SIGN SUPPORTS QUANTITIES:

QUANTITIES FOR ITEM 816 STRUCTURAL BEAM SUPPORTS APPEARING IN THE SUMMARY TABLES ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT SUPPORT LENGTHS PRIOR TO FABRICATION AND GALVANIZING OF SUPPORTS. DETAILS FOR PLAN QUANTITIES AND ALTERNATE DETAILS ARE SHOWN ON SHEETS NO. 142 AND 143.

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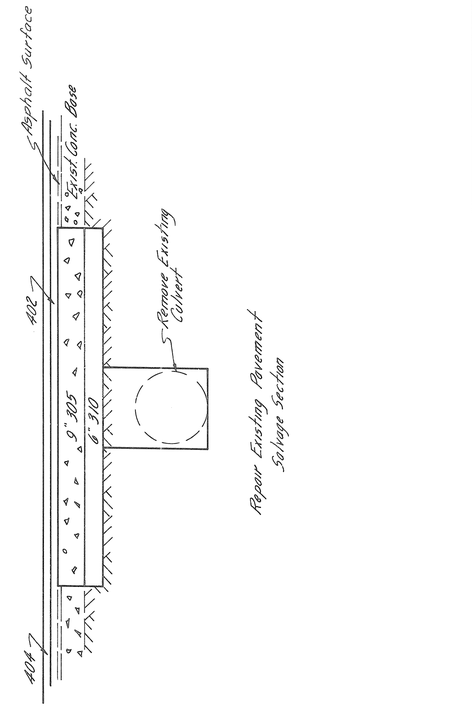
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

PAVEMENT COMPUTATIONS

Station From	Station To	Length	202 Existing Base Removed & Disposed of	203 Subgrade Preparation	301 Bituminous Aggregate Base Pavement	301 Bituminous Aggregate Base Shoulders	302 Asphalt Concrete 70-85	304 Aggregate Base	305 9" Portland Cement Concrete Base	310 Subbase Pavement	310 Subbase Shoulders	402 Asphalt Concrete 70-85	402 Asphalt Concrete 85-100		404 Asphalt Concrete 70-85	404 Asphalt Concrete 85-100	407 Tack Coat	408 Bituminous Prime Coat	409 Seal Coat Cover Aggregate	409 Seal Coat Bituminous Material	605 Aggregate Underdrains	611 Reinforced Concrete Approach Slabs (7"-13')
From	To	Lin. Ft.	Sq. Yd.	Sq. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Sq. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.		Cu. Yd.	Cu. Yd.	Gal.	Gal.	Cu. Yd.	Gal.	Lin. Ft.	Sq. Yd.
Right Lane																						
0+24.65	7+12	687.35		695.64		57.96		115.94			73.69	90.99			61.81		170.0		5.56	208.7	143	
7+12	22+50	1,538.00		2050.62		170.89		341.77			208.86	142.45			142.45		410.1		16.41	615.2	780	
22+50	62+93.30	4043.30	*9016.22	14173.20	1,591.24	445.55	917.22	813.88		2407.01	602.78	374.50			374.50				43.13	1617.3		
0+00	42+13.66	4,213.66		16854.64	1,658.29	464.32	955.87	848.17		2653.22	628.19	390.28			390.28				44.95	1685.5		
42+13.66	42+38.66	25.00		100.00		2.78		5.56		11.57	3.40								0.27	10.0		66.67
43+37.84	43+62.84	25.00		100.00		2.78		5.56		11.57	3.40								0.27	10.0		66.67
43+62.84	214+04.16	17041.32		68165.27	4,706.61	1877.87	3865.82	3430.24		10,730.44	2,540.57	1,578.41			1,578.41				181.77	6816.5		
217.00	224.00	700.00		311.11		25.93		51.58			25.93								2.49	93.3		
Left Lane																						
0+74.65	10+00	925.35		2320.90	194.75	86.31	109.93	159.03		274.68	104.21	44.36			44.36				8.35	313.1	255	
10+00	13+62.68	362.68		1,450.72	142.73	39.97	82.27	73.00		188.06	54.07	33.59			33.59				3.87	145.1		
13+59.09	55+65.31	4,206.22		16824.88	1655.36	463.50	954.10	846.67		2,516.27	627.08	389.59			389.59				44.87	1682.5		
55+36.91	62+93.30	736.39		2945.56	289.80	81.15	167.05	148.23		457.01	109.78	68.21			68.21				7.85	294.6		
0+00	8+00	800.00	1777.78	3,200.00	314.84	88.16	181.48	161.03		503.74	119.27	74.09			74.09				8.53	320.0		
8+00	27+00	1,900.00		2,533.33		211.11		422.22			258.02	175.99			175.99		506.7		20.27	760.0	1014	
27+00	41+89.49	1489.49	2253.30	5957.96	586.19	164.13	337.89	299.82		937.89	222.06	137.96			137.96				15.89	595.8		
41+89.49	42+14.49	25.00	194.44	100.00		2.78		5.56		11.57	3.40								0.27	10.0		66.67
43+13.67	43+38.67	25.00		100.00		2.78		5.56		11.57	3.40								0.27	10.0		66.67
43+38.67	53+71.71	1033.04	1941.58	4132.16	406.55	113.84	234.35	207.94		650.48	154.01	95.69			95.69				11.02	413.2		
53+63.30	80+00	2634.70		3512.93		292.74		585.58			357.79	244.03			244.03		702.6		28.10	1053.9	1404	
80+00	88+00	800.00		1,066.67	90.85	88.88		201.66		34.47	108.64	89.93			74.09		213.3	50.0	8.53	320.0	352	
88+00	98+75	1075.00		1,433.33		119.44		238.88			145.99	99.57			99.57		286.7		11.47	430.0	572	
98+75	104+50	575.00		766.67	40.94	63.89		127.78			78.09	69.23			53.25		153.3		6.13	230.0	312	
104+50	176+00	7150.00		9,533.33		794.44		1,588.88			970.97	662.25			662.25		1,906.7		76.27	2860.0	3718	
176+00	184+00	800.00	**7737.78	3200.00	314.84	88.16	181.48	161.03		503.74	119.27	74.09			74.09				8.53	320.0		
184+00	214+04.16	3004.16		4005.55		333.89		667.78			408.08	278.25			278.25		801.1		32.05	1202.0	1586	
214+04.16	221+00	695.84		309.26		25.77		51.54			25.77								2.47	92.8		
Pavement Repair		Van Co.																				
19+09	19+19	10.00	22.22	40.00					26.67	4.81												
22+97	23+07	10.00	22.22	40.00					26.67	4.81												
84+35	85+15	80.00	177.77	213.33	31.48		18.15			35.55							- 21.3					
97+63	97+75	12.00	26.67	48.00					32.00	5.78												
106+55	106+65	10.00	22.22	40.00					26.67	4.81												
174+35	174+50	15.00	33.33	60.00					40.00	7.22												
Benton Klinger & Co. Line				4,147.10	116.52		74.38	583.75		501.94		31.02	110.88		31.02	112.43		1292.2	-0.69	-26.0	475	
Krick Rd.				1,483.20	122.14		75.00	103.67		221.38		31.25	22.24		31.25	23.28		261.5	-0.36	-13.9	82	
Mentzer Church Rd.				2,076.60	165.85		106.22	219.67		310.40		43.84	30.79		43.84	31.92		359.0	-0.51	-19.0	172	
Elm Sugar Grove Church				3,544.60	128.70		81.63	476.46		481.53		33.70	94.95		33.70	97.20		1138.2	-0.93	-34.9	361	
Love Rd.				3,165.00	139.70		87.13	371.28		443.20		36.00	78.31		36.00	80.01		925.1	-0.75	-28.1	353	
Feasby Wisener Rd.				3863.20	132.80		83.82	497.32		517.30		34.60	104.90		34.60	106.63		1237.6	-0.90	-33.9	452	
Payne Rd & S.R. 49				2,789.10	133.09		84.95	338.25		438.99		67.50	58.33		59.71	59.90	95.0	874.0	-0.97	-36.5	303	
Totals			18225.53	189353.86	21,072.29		8598.82	14155.56	152.01	32837.73		5,391.37	500.40		5322.58	511.37	5224.2	6137.6	584.48	21917.2	12,334	266.68

* Includes Left Lane
** Deduct 18' for Structure



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

9

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

SUB-SUMMARY

SEEDING-659

Sheet No.	Seeding Sq. Yd.	Sheet No.	Seeding Sq. Yd.
42	1590	84	8207
43	11970	85	7981
44	12274	86	12147
45	10055	87	10333
46	12066	88	11272
47	11816	89	10475
48	8486	90	4823
49	9321	91	8746
50	8324	92	5690
51	9647	93	8140
52	11454	94	8328
53	7121	95	9903
54	9360	96	7019
55	10394	97	10162
56	9705	98	3468
57	11764	99	1445
58	8675		
59	16369	Klinger & Co. Line Rd.	
60	11421	103	3872
61	13293	Benton & Co. Line Rd.	
62	3424	104	3577
63	5453	105	2450
64	11401	Krick Rd.	
65	9555	106	2231
66	9817	Mentzer Church Rd.	
67	11562	109	2173
68	7770	110	1101
69	14381	Elm & Sugar Grove Church	
70	9696	113	4245
71	7279	114	9777
72	3445	Lare Rd.	
73	11918	117	1255
74	13479	118	6929
75	17323	119	1982
76	16190	120	937
77	13939	Feasby Wisener Rd.	
78	11851	123	10647
79	11741	124	4091
80	11998	Payne Rd. & S.R. 49	
81	8036	127	13127
82	11590	128	4589
83	12600		
		Total	642695

EARTHWORK-203

Station From	Station To	Excavation Cu. Yd.	Embankment Cu. Yd.
0+25	10+00	4327	5150
10+00	20+00	2805	13499
20+00	30+00	3996	6940
30+00	40+00	4784	4043
40+00	50+00	3952	8057
50+00	61+00	3441	12641
61+00	9+00	2388	12144
9+00	20+00	3609	4757
20+00	30+00	8543	3012
30+00	40+00	10621	3418
40+00	50+00	13475	9979
50+00	60+00	4208	5687
60+00	70+00	6378	7909
70+00	80+00	1914	9419
80+00	90+00	5217	6192
90+00	100+00	5770	4154
100+00	110+00	2627	7536
110+00	120+00	1740	10304
120+00	130+00	2542	8252
130+00	140+00	4355	4544
140+00	150+00	3050	7812
150+00	160+00	4067	8186
160+00	170+00	4539	9551
170+00	180+00	6945	10235
180+00	190+00	2027	9011
190+00	200+00	2954	5415
200+00	210+00	3898	5163
210+00	220+00	1756	2232
220+00	224+00	367	52
Klinger & Co. Line Rd.		171	552
Benton & Co. Line Rd.		1264	740
Krick Rd.		252	344
Mentzer Church Rd.		329	1036
Elm, Sugar Grove Ch. Rd.		1000	1015
Lare Rd.		109	917
Feasby Wisener Rd.		1642	2087
Payne Rd, S.R. 49		2351	900
Blue Creek		7873	2677
Baker Ditch		88	393
Totals		141,434	215,955

FENCE-607

Left of Centerline Station From	Station To	Length Lin. Ft.	Right of Centerline Station From	Station To	Length Lin. Ft.
			1+75	28+88	2745
0-60	28+88	2958	29+13	39+33	1020
29+13	30+15	116	39+56	53+45	1387
31+50	39+53	783	53+70	57+72	402
39+58	47+40	812	58+20	60+24	204
47+70	53+45	575	60+24	③ 46+72	68
53+70	58+30	460	③ 46+70	② 46+00	348
58+70	60+02	132	② 46+37	1+52	174
60+02	① 52+70	98	1+52	16+00	1458
① 54+20	③ 54+30	772	16+00	38+53	2,253
③ 54+61	2+18	220	38+78	42+80	402
2+18	7+24	506	44+00	46+38	238
7+49	30+02	2253			
30+02	④ 53+63	130	46+63	58+22	1,159
④ 53+97	32+19	298	58+47	63+15	988
32+19	38+53	589	68+15	⑤ 46+00	278
38+78	42+00	322	⑤ 46+00	69+53	184
42+80	46+02	324	69+58	79+02	944
46+42	57+25	1085	79+02	⑥ 46+00	195
58+50	65+64.5	716	⑥ 81+98	83+10	195
65+64.5	⑤ 65+64.5	33	83+40	90+33	693
⑤ 66+00	68+38	289	90+58	104+00	1,342
68+38	77+54	984			
77+50	82+46	496	104+00	130+00	2626
82+46	⑥ 52+85	135	130+00	136+00	600
⑥ 53+10	⑥ 55+00	190	136+00	⑦ 46+00	377
⑥ 55+00	85+00	280	⑦ 46+00	138+98	170
85+00	90+20	520	139+00	153+62	1,462
70+50	135+22	4517			
135+22	⑦ 54+00	196			
Total		20789	Total		21,912

Left of Centerline Station From	Station To	Length Lin. Ft.	Right of Centerline Station From	Station To	Length Lin. Ft.
⑦ 54+00	137+44	343	153+87	161+25	738
137+44	153+62	1620	161+27	⑤ 45+00	234
153+87	164+27	1042	⑧ 48+40	165+28	202
164+27	② 54+00	285	165+50	179+85	1,435
⑨ 55+00	166+18	236			
166+18	180+30	1412	180+60	185+98	542
180+90	185+98	510	186+23	199+05	984
186+23	196+74	1053	196+05	196+74	69
196+99	198+80	181	196+99	204+20	721
199+75	203+72	400	204+00	⑨ 44+00	626
203+72	⑩ 53+00	68			
⑩ 51+90	207+05	238			
207+05	209+08	203			
209+75	214+05	430			
Total		8021	Total		5,551
Grand Total		56,273 Lin. Ft.			

① Benton Rd. C.R. 11
② Klinger Rd. T.R. 21
③ County Line Rd. T.R. 12
④ Krick Rd. T.R. 71
⑤ Mentzer Church Rd. T.R. 27
⑥ Elm Sugar Grove Church Rd. C.R. 214
⑦ Lare Rd. T.R. 37
⑧ Feasby Wisener Rd. T.R. 208
⑨ Payne Rd. T.R. 47
⑩ S.R. 49

MISCELLANEOUS COMPUTATIONS

ITEM 203 PROOF ROLLING

New pavement and paved shoulders	141225.29	sq.yd.
Approach Slabs	400.00	sq.yd.
Total	141625.29	sq.yd

141625.29 sq.yds × 1 hr. per 2000 sq.yds = 70.81 hours

ITEM 659 SEEDING and MULCHING

From table above		642695	sq.yd.
Deduct 660 Sodding		-1762	sq.yd.
Deduct 601 Dumped Rock Channel Protection:		- 601	sq.yd.
Total	=	640332	sq.yd.

ITEM 659 COMMERCIAL FERTILIZER 12-12-12

Seeding and mulching		640332	sq.yd.
660 Sodding		1762	sq.yd.
Total	=	642094	sq.yd.

642094 sq.yd. × 0.00009 Ton per sq.yd = 57.79 Tons

GENERAL SUMMARY

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

10

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

| ITEM | Pay'f. | Calc. | SHEET NO. | | |

GENERAL SUMMARY

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

11

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

| ITEM | Part. | Calc. | SHEET NO. | | |

GENERAL SUMMARY

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

12

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

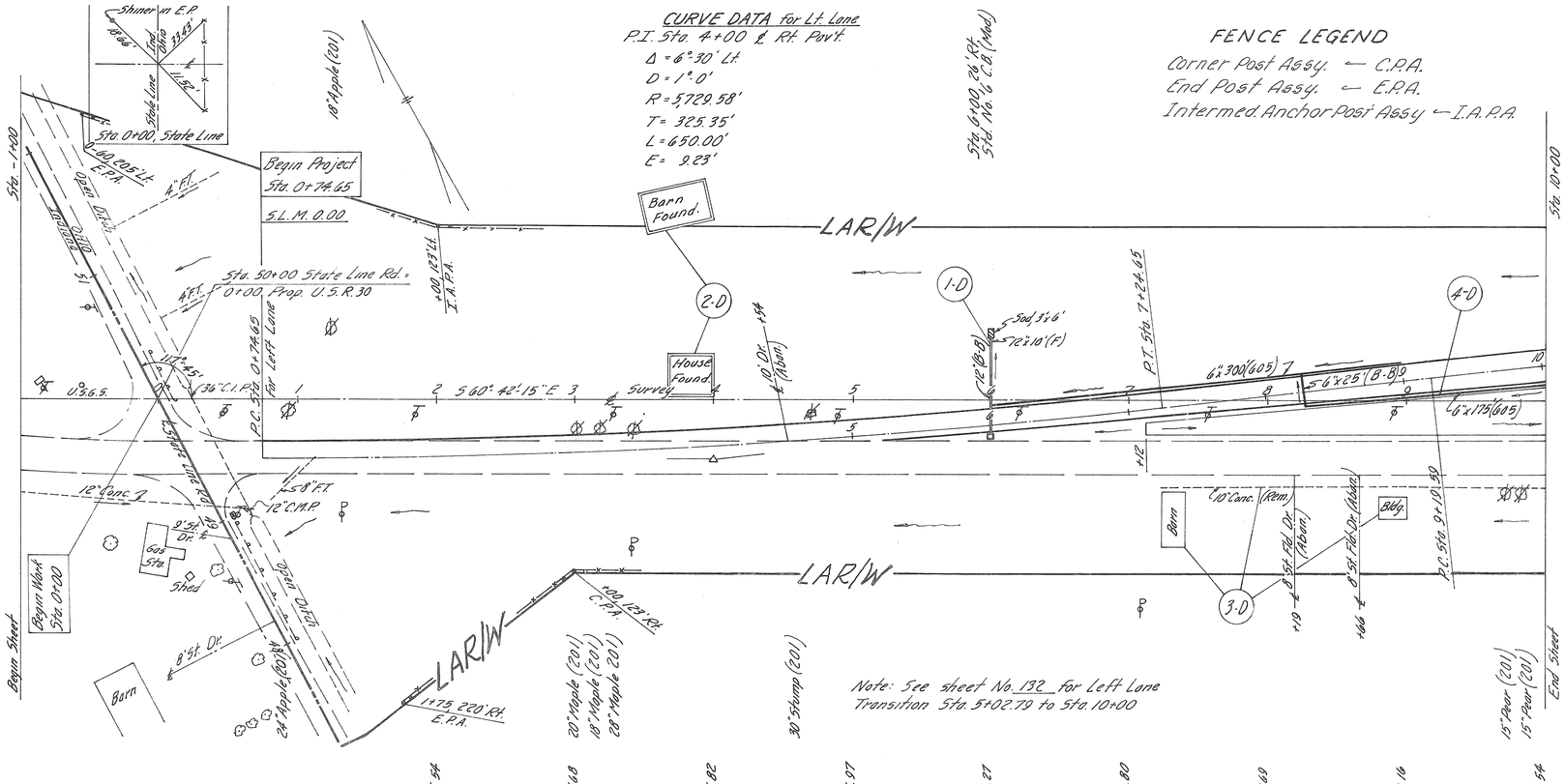
ITEM	Pay't	Calc.	SHEET NO. 6	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	101	108	112	116	122	126	133	134
202																											Lump												
202																													Lump									
202																													Lump									
301	21,072					10	22	4	10	9			14	12	16				13						9			10	12	12									
302	8,599																																						
304	14,156					51	74	41	47	31			66	81	40		29		46						49			44	48	30		15				27	13		
305	152																																						
310	32,838					10	22	4	10	10			15	12	16				13						9			10	12	12									
402	5,391																																						
402	500																																						
404	5,323																																						
404	511																															6							
407	3,224																																						
408	6,138																																						
409	584					1	2	1	1	1			1	1	1				1						1			1	1	1									
409	21,917					36	77	16	36	34			52	33	28				46						33			36	42	42									
611	267																																						
614			Lump																																				
			Lump																																				
			Lump																																				

ITEM	QUANTITIES	UNIT	DESCRIPTION
			BUILDING REMOVAL (Con't.)
202	Lump	Lump	One 2-Story Frame Residence. Parcel No. 27-WL
202	Lump	Lump	One 2-Story Frame Church. Parcel No. 28-WL
202	Lump	Lump	One 2-Story Frame Residence, and one Frame Filling Station. Parcel No. 29 WL.
			PAVEMENT
301	21,225	Cu. Yd.	Bituminous Aggregate Base: 702.01 (85-100) or 702.09, RT-10
302	8,599	Cu. Yd.	Asphalt Concrete (70-85).
304	14,888	Cu. Yd.	Aggregate Base
305	152	Sq. Yd.	9" Portland Cement Concrete Base
310	32,993	Cu. Yd.	Subbase
402	5,391	Cu. Yd.	Asphalt Concrete (70-85)
402	500	Cu. Yd.	Asphalt Concrete (85-100)
404	5,323	Cu. Yd.	Asphalt Concrete (70-85)
404	517	Cu. Yd.	Asphalt Concrete (85-100)
407	3,224	Gal.	Tack Coat: 702.04, N5-2 or R5-1, or 702.02, RC-70 or RC-250,
408	6,138	Gal.	Bituminous Prime Coat, 702.09 RT-2 or RT-3.
409	598	Cu. Yd.	Seal Coat Cover Aggregate, No. 8
409	22,428	Gal.	Seal Coat Bituminous Material, as per plan.
611	267	Sq. Yd.	Reinforced Concrete Approach Slabs (T=13")
614	Lump	Lump	Maintaining Traffic.
	Lump	Lump	Construction Layout Stakes
	Lump	Lump	Field Office

STRUCTURES OVER 20' SPAN

Van-30-0080 For Quantities see Sheet No. 152

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

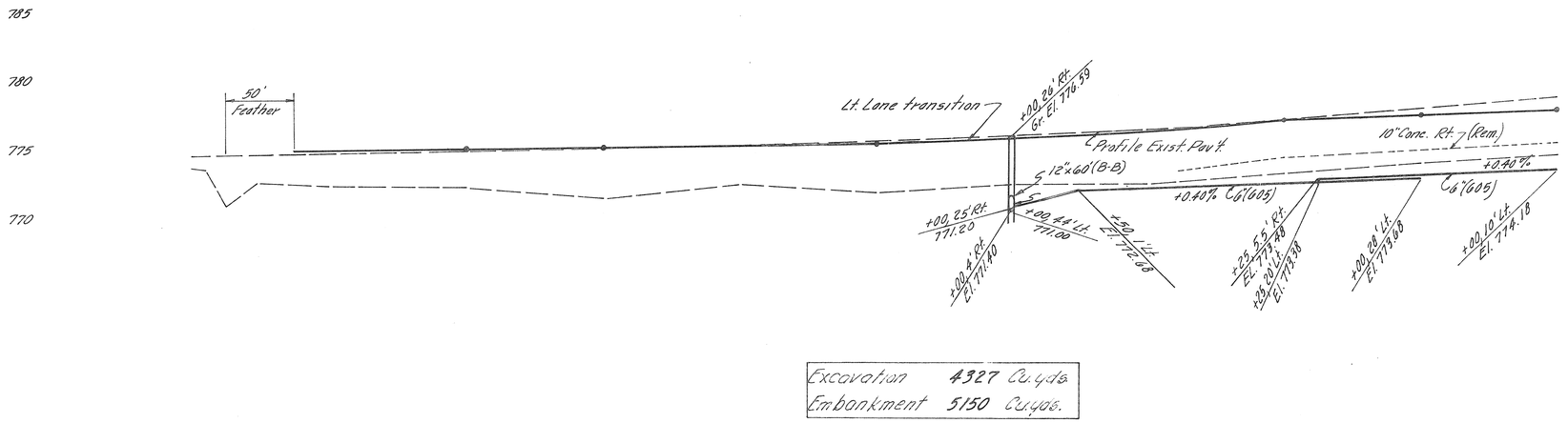


CURVE DATA for Lt. Lane

P.I. Sta. 4+00 & Rt. Pvmt.
Δ = 6°-30' Lt.
D = 1°-0'
R = 5729.58'
T = 325.35'
L = 650.00'
E = 9.23'

FENCE LEGEND

Corner Post Assy. ← C.P.A.
End Post Assy. ← E.P.A.
Intermed. Anchor Post Assy ← I.A.P.A.



Excavation	4327	Cu.yds.
Embankment	5150	Cu.yds.

SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 12"	12"	6"	660 Sodding	605 6" Tile Underdrain Sta. No. 6 C.B. Mod.	604	202 Removing Asphalt Ex. Street	202 Buildings Removed	202 Bends & Branches	202 Pipe Rem. & Under
				B-B	F	B-B	Sq.Yd.	Lin.Ft.	Ea.	Lump	Lump	Each	L.F.
1-D	6+00	9+00	Lt.	60	10		2	300	1			275	
2-D	3+30	4+00	Lt.							Lump			
3-D	7+23	10+00	Rt.								Lump**		278
4-D	8+25	10+00	Lt. & Rt.			25		175				90°	
Totals				60	10	25	2	475	1	Lump	Lump		278

* See Cross Section sheet for modification - Sheet No. 43
** Parcel No. 2-WL

UTILITIES

Van Wert Telephone Co.	Van Wert, Ohio
General Telephone Co. of Ohio	Marion, Ohio
American Telephone & Telegraph Co.	Cincinnati, Ohio
Paulding Putnam Electric Co-op	Paulding, Ohio
The Home Telephone & Telegraph Co.	Ft. Wayne, Indiana

From Sta. -1+00 to Sta. 10+00 (Paulding County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

CURVE DATA

P.I. Sta. 11+41.33, 84' Lt.
= Sta. 11+37.26 ℄ Rt. Pavt.
Δ = 6°-30' Rt.
D = 1°-28'
R = 3,906.53'
T = 221.83'
L = 443.18'
E = 6.29'

Sta. 11+00, 2' Rt.
Sta. 10+ 51, 2' Rt.
(Begin in Curb)

Sta. 10+00

Sta. 20+00

LAR/W

℄ 6"x10"(F)

1-TP

℄ Class A Temporary
16' Wide One-Way Traffic
6"x625'(605) ?

2-D

3-D

1-D

℄ Sod
(2' Wide)

45'(B-B)

2.50% +00

6"x10"(E)

℄ 6"x465'(605)

Jute Matting

℄ Survey

S 60°-42'-15" E

10" Conc. (Rem.)

Walk

Pl. Conc. Slab

Bldg.

Dr.

Res.

Shed

Privy

Sign

5-D

4-D

1-8" C.M.P. (Aban.)

Dr. (Aban.)

P.T. Sta. 13+56.08 & Lt. Line
= Sta. 13+56.00 ℄ Survey

2.50% +00

LAR/W

Begin Sheet

End Sheet

12" Apple (20')
30" Apple (20')
15" Apple (20')
Live Bush (20')
6" Willow (20')
Septic Tank (Space)
4" Well Casing (SIZE)
Cistern
6" Maple (20')
Gas Pump (20')
Tank Fill Pipe (20')
6" Willow (20')
Gas Pumps (20')
Tank Fill Pipe (20')
1½" Conc. Headwall (20')
14" Poplar (20')
12" Poplar (20')
36" Maple (20')

B.M. #2 Spike in ℄
Sta. 10+25, 10' Rt.
Elev. 779.69

B.M. #3 Spike in ℄
Sta. 18+09, 09' Rt.
Elev. 779.93

Note:
Grade for Temporary Pavement shall be approx. the same as adjoining Pavements

778.54 | 778.83 | 779.11 | 779.39 | 779.67 | 779.95 | 780.23 | 780.51 | 780.79 | 781.07 | 781.35

785
780
775
770

Profile Exist. Pavt.
+0.28%
+20' e Rt. Gr. El. 776.00
10' Conc. Rt. 7 (Rem.)
℄ Profile Grade Lt. Pavt.
8" C.M.P.
+0.40%
℄ 6" (605)
15"x101' (B-B)
+00 0.67' Rt. 771.00
+00 92.45' Lt. 770.00
+00 50' Lt. El. 774.18
+00 50' Lt. El. 776.84
+75 29' Lt. El. 775.00
+75 246.42' Lt. El. 776.08
+00 50' Lt. El. 777.52

775.4 | 775.9 | 776.5 | 777.2 | 777.0 | 777.2 | 777.3 | 777.6 | 778.1 | 778.0 | 778.5 | 778.5
10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

Excavation 2805 Cuyds
Embankment 13499 Cuyds.

SHEET SLIMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15"	603 Conduit Lin. Ft. 6"	603 Conduit Lin. Ft. 8"	Spec. Apron & Opposed Ends	602 Conc. Masonry	604 Sta. No. 5 C.B.	605 6" Shallow Pipe Underdrain	660 Seeding	667 Jute Matting	202 Sidewalk Removed	202 Building Removed	202 Pipe Rem. 15" & Under (Entire)	202 Drilled Abandon Water Well	Spec. Berm Ditches	Spec. Clean & Reshape Ditches	Spec. Clean & Reshape Septic Tanks	Spec. Clean Privy
				B-B	F	E	Lump	Cu.Yd.	Ea.	Lin.Ft.	S.Yd.	S.Yd.	S.Ft.	Lump	L.F.	Each	Each	Each	Each	Each
1-D	11+00		Lt.	101				.26	1		3.0	125								
2-D	13+75	20+00	Lt.		10					625		125						45°		
3-D	10+00	14+75	Lt.			10°				465										
4-D	10+70	12+30	Rt.				Lump							*Lump						
5-D	10+00	12+82	Rt.										104		282	1		1	1	
Totals				101	10	10	Lump	26	1	1090	3.0	125	104	Lump	282	1		1	1	

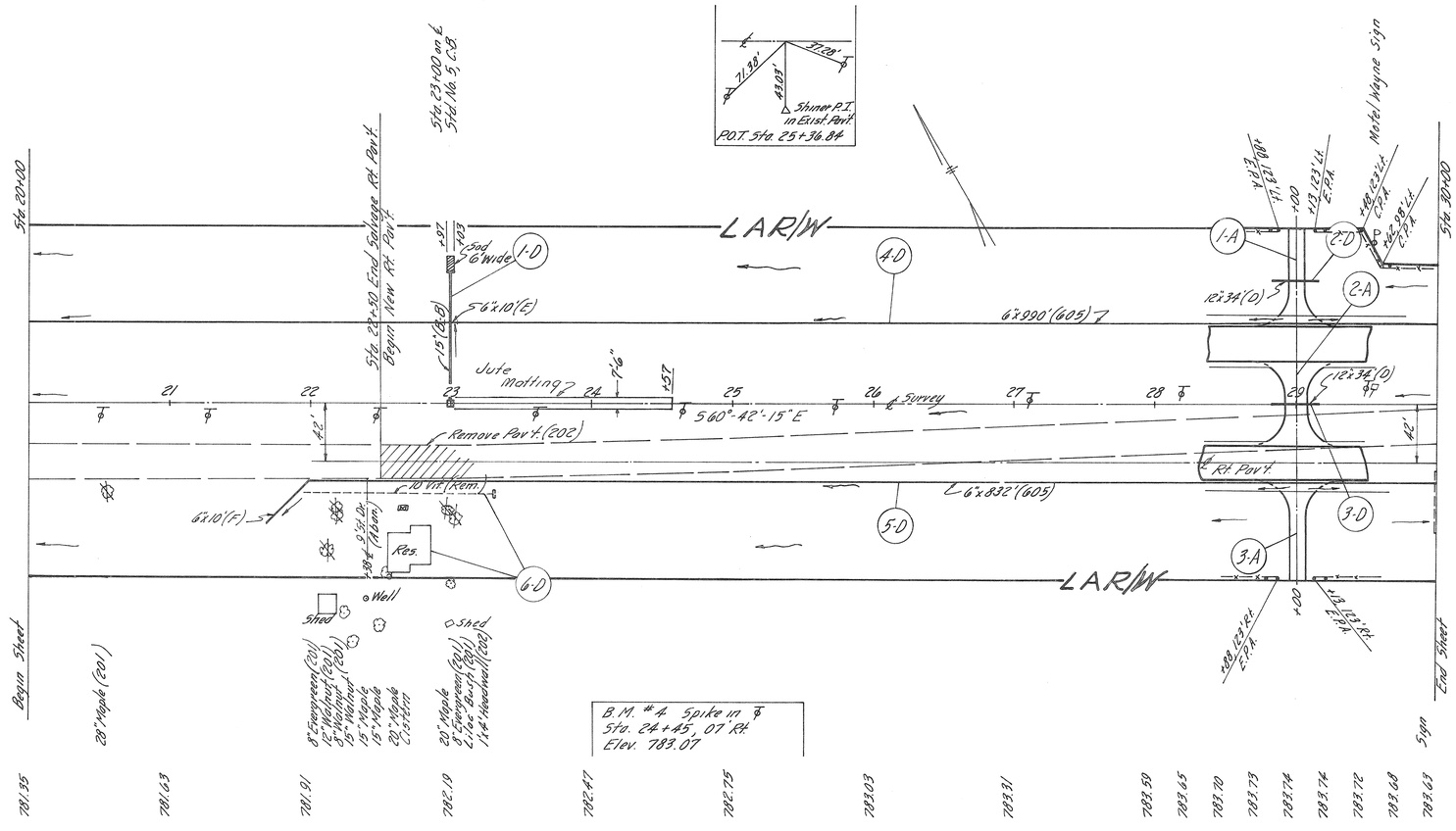
* To be included in lump; gasoline pumps etc. = Parcel No. 2 WL
◦ 707.01

615 TEMPORARY PAVEMENT

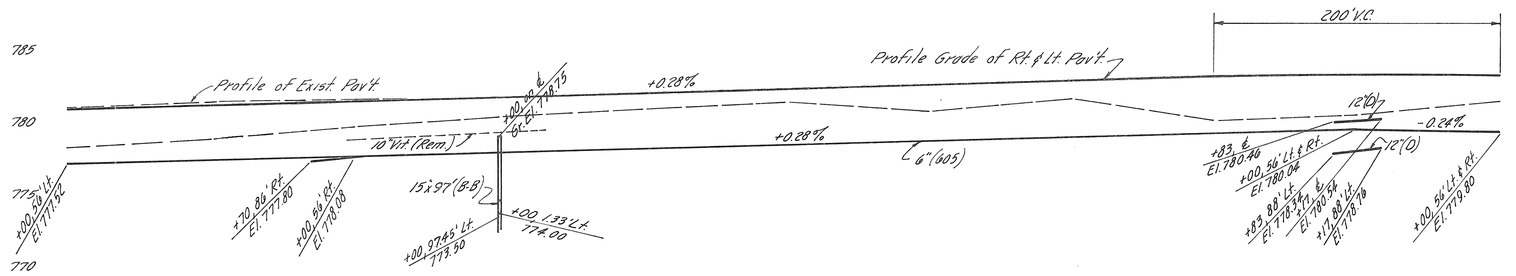
Ref. No.	Station From	Station To	Side	Class A Temporary Pavement Sq. Yd.	Temporary Roads
1-TP	12+61.31	15+38.69	℄	444	Lump
Total				444	Lump

From Sta. 10+00 to Sta. 20+00 (Paulding County)

PAULDING & VAN WERT COUNTIES
PAU-30- 0.00
VAN-30- 0.00



B.M. #4 Spike in ℗
Sta. 24+45. 07 Rt.
Elev. 783.07



Excavation- 3996 Cu. yds.
Embankment- 6940 Cu. yds.

SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15" B-B	12" D	6" E	6" F	602 Concrete Masonry HW-E Cu. Yd.	604 Std. No. 5 C.B. Ea.	605 6" Std. Tube Underdrain Lin. Ft.	660 Seeding S. Yd.	667 Jute Matting S. Yd.	202 Building Removed Lump	202 Pipe Rem. 18" & Under Lin. Ft.		Bends & Branches Each
1-D	23+00		Lt.	97				26	1		4	125				
2-D	28+83	29+17	Lt.		34											
3-D	28+83	29+17	℄		34											
4-D	20+00	30+00	Lt.			10*				990						
5-D	21+70	30+00	Rt.				10			832						45°
6-D	21+95	23+31	Rt.										**Lump	136		
Totals				97	68	10	10	.26	1	1822	4	125	Lump	136		

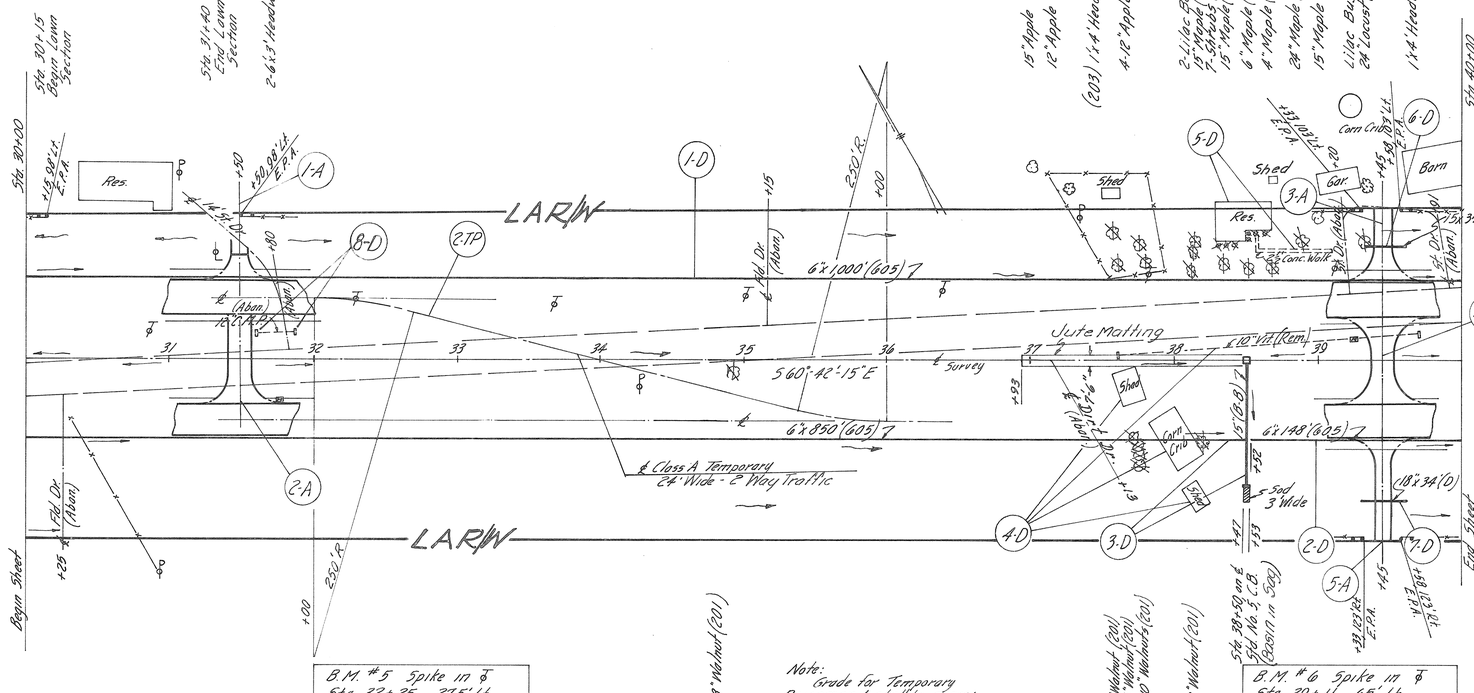
*707.01
** Parcel No. 3-WL

SIDE APPROACHES

Ref. No.	Station	Side	301 Prem. Approx. Base Cu. Yd.	304 Aggr. Base Cu. Yd.	310 Subbase Cu. Yd.	409 Cover Approx. Bitum. Mat'l. C.Y.	409 Cover Approx. Bitum. Mat'l. Gal.	Width	Length	Remarks
1-A	29+00	Lt.		15.32				12'	71'	Fld. Dr.
2-A	29+00	℄	10.03	20.07	10.03	.96	36.1	16'	60'	Crossover
3-A	29+00	Rt.		15.32				12'	71'	Fld. Dr.
Totals			10.03	50.71	10.03	.96	36.1			

From Sta. 20+00 to Sta. 30+00 (Paulding County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



B.M. #5 Spike in ℄
Sta. 32+25, 275' Lt
Elev. 789.19

Note: Grade for Temporary Pavement shall be approx. the same as adjoining Pavements

B.M. #6 Spike in ℄
Sta. 39+11, 65' Lt
Elev. 782.40

SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15" B-B	603 Conduit Lin. Ft. 15" D	603 Conduit Lin. Ft. 18" D	602 Conc. Masonry	604 Std. No. 5 C.B.	605 Storm Interceptor	660 Sodding	667 Jute Matting	202 Sidewalk Removed	202 Building Removed	202 Bends & Branches	202 Pipe Rem. & Under Portion Existing Structure
							HW-E								
							Cu.Yd.	Ea.	Lin.Ft.	S.Yd.	S.Yd.	S.Ft.	Lump	Each	L.F. Lump
1-D	30+00	40+00	Lt.						1000						
2-D	38+52	40+00	Rt.						148						
3-D	30+00	38+50	Rt.	93			.26	1	850	2.0	125			Tee	
4-D	37+46	39+70	Rt.										Lump		112
5-D	38+28	39+11	Lt.									165	Lump		
6-D	39+28	39+62	Lt.		34										
7-D	39+28	39+62	Rt.			34									
8-D	31+60	31+86	Lt.												Lump
Totals				93	34	34	.26	1	1998	2.0	125	165	Lump		112 Lump

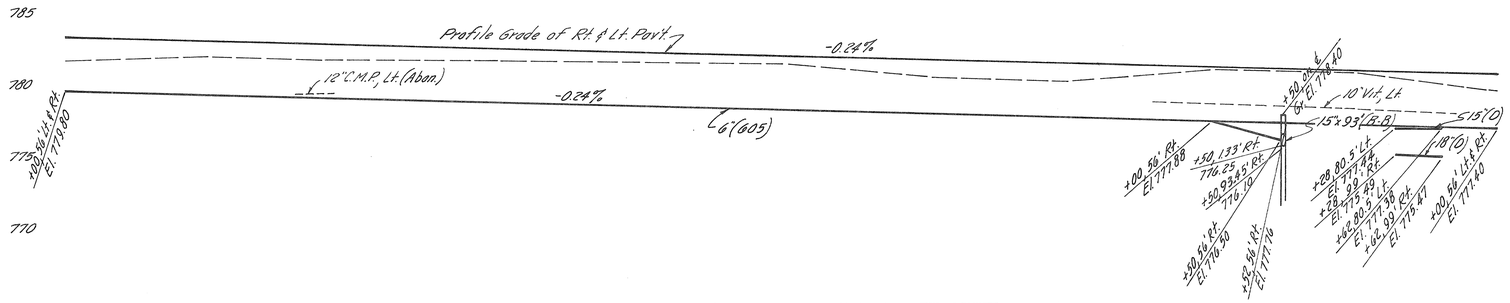
* Parcel No. 6-WL

SIDE APPROACHES

Ref. No.	Station	Side	301 Bitum. Aggre. Base Cu.Yd.	304 Aggre. Base Cu.Yd.	310 Subbase Cu.Yd.	409 Comp. Aggre. Bitum. Mat. C.Y.	409 Gal.	Widths	Lengths	Remarks
1-A	31+50	Lt.	2.55	7.75	2.55	.24	9.2	12'	36'	Res. Dr.
2-A	31+50	℄	9.46	18.91	9.46	.91	31.7	16'	60'	Crossover
3-A	39+45	Lt.		10.85				12'	51'	Fld. Dr.
4-A	39+45	℄	10.03	20.07	10.03	.96	36.1	16'	60'	Crossover
5-A	39+45	Rt.		15.32				12'	71'	Fld. Dr.
Totals			22.04	73.90	22.04	2.11	77.0			

615 TEMPORARY PAVEMENT

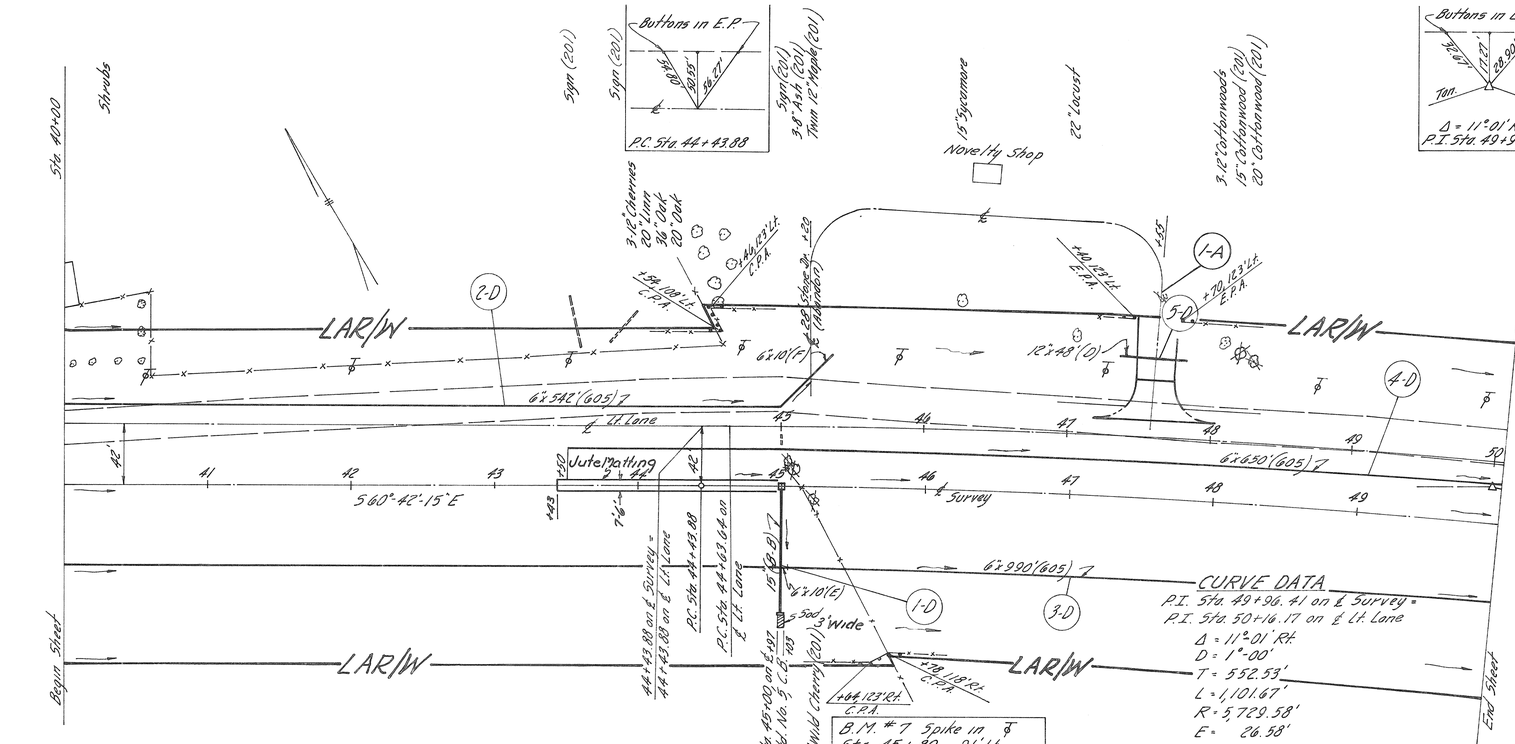
Ref. No.	Station From	Station To	Side	Class A Temporary Pavement Sq. Yd.	Temporary Roads Lump
2-TP	32+11.31	34+08.69	℄	469	Lump
Total				469	Lump

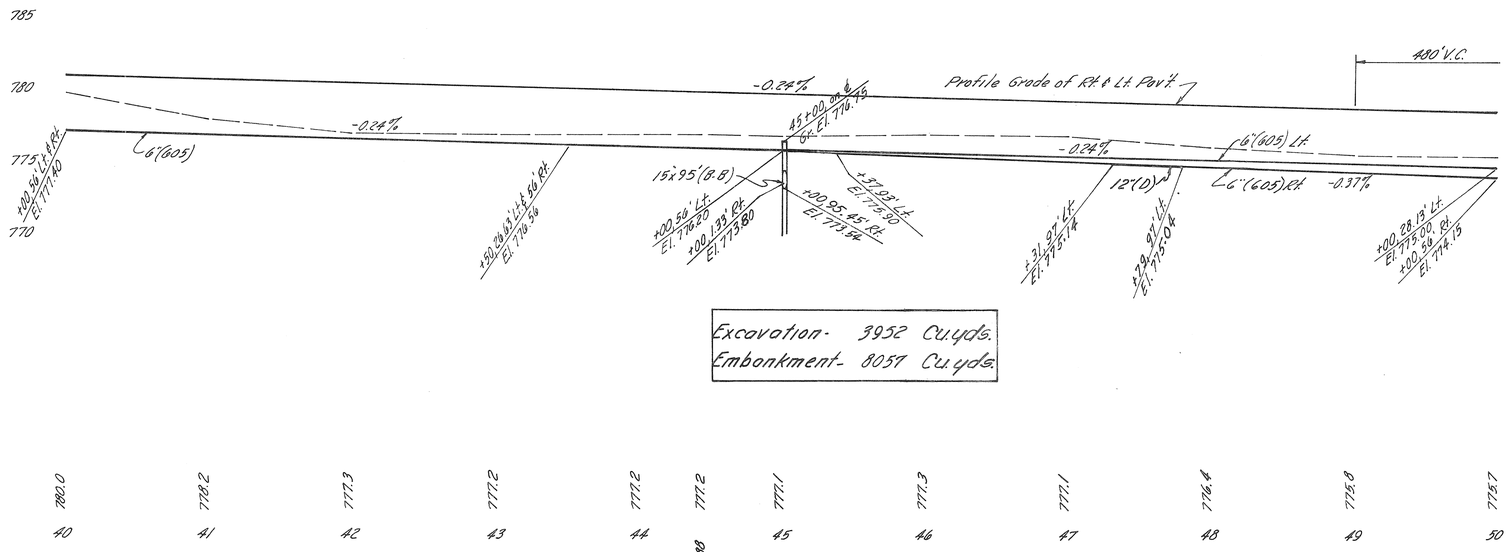


Excavation - 4784 Cu. yds.
Embankment - 4043 Cu. yds.

From Sta. 30+00 to Sta. 40+00 (Paulding County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





Excavation- 3952 Cu.yds.
Embankment- 8057 Cu.yds.

SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15" B-B	12" D	6" E	6" F	602 Concrete Masonry HW-E Cu.Yd.	604 Std. No. 5 C.B. Eq.	605 6" Shallow Underdrain Lin.Ft.	660 Sodding S.Yd.	667 Jute Matting S.Yd.	Bends & Branches Each
1-D	45+00		Rt.	95				.26	1		2.0	125	
2-D	40+00	45+37	Lt.				10			542			45°
3-D	40+00	50+00	Rt.			10*				990			
4-D	43+50	50+00	Lt.							650			
5-D	47+31	47+79	Lt.		48								
Totals				95	48	10	10	.26	1	2,182	2.0	125	

* 707.01

SIDE APPROACHES

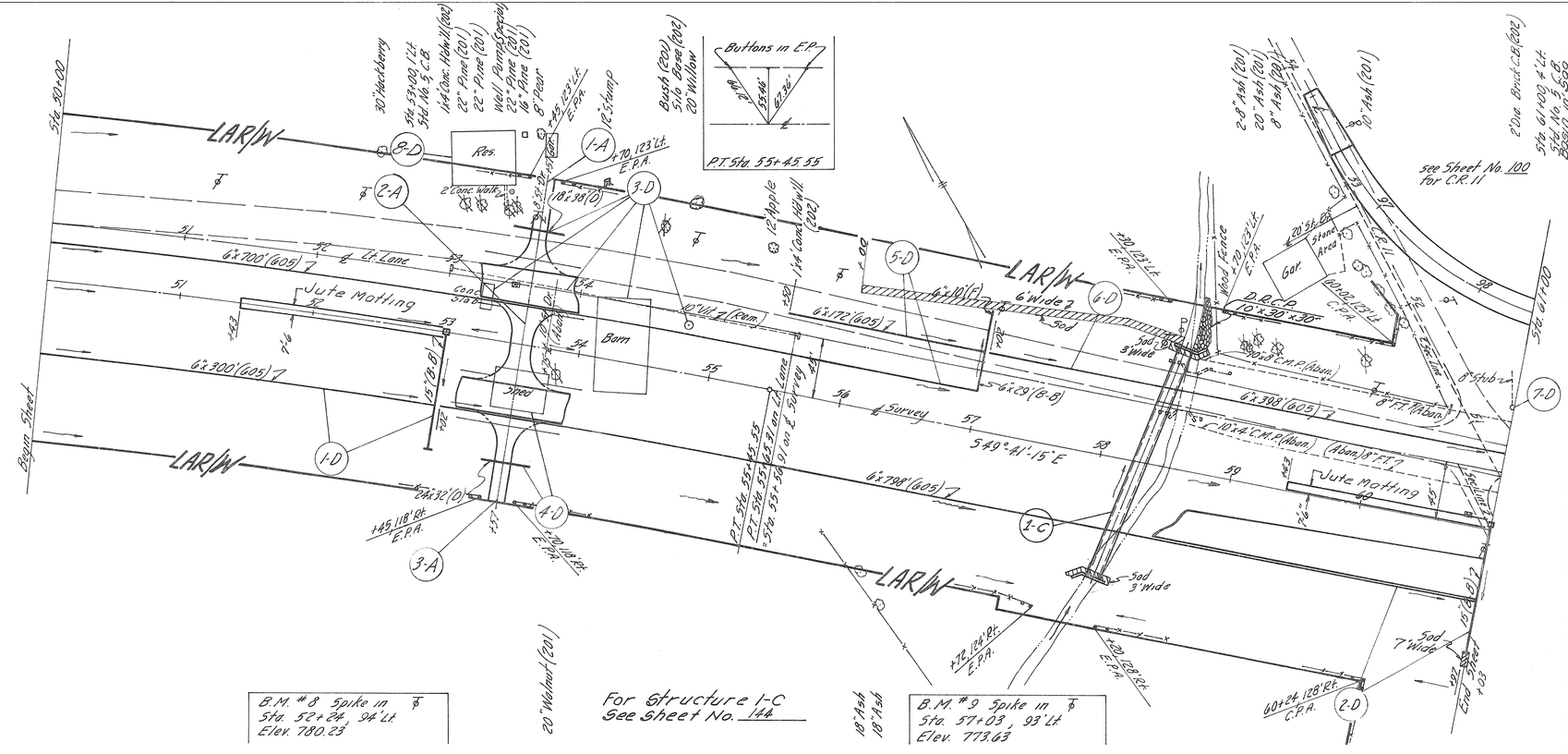
Ref. No.	Station	Side	301 Bitum. Aggre. Base Cu.Yd.	304 Aggre. Base Cu.Yd.	310 Subbase Cu.Yd.	409 Cover Aggre. Bitum. Mat'l. C.Y.	Gal.	Width	Length	Remarks
1-A	47+55	Lt.	4.42	40.67	4.42	.43	16.0	28'	66'	Bus. Dr.
Totals			4.42	40.67	4.42	.43	16.0			

PAVEMENT ELEVATIONS

Station	Lt. Edge Lt Pavt.	℄ Lt Pavt.	Median Edges	℄ Rt Pavt.	Rt Edge Rt Pavt.
43+00	780.51	780.70	780.51	780.70	780.51
+25	780.51	780.64	780.45	780.58	780.39
+50	780.52	780.58	780.39	780.45	780.26
+75	780.52	780.52	780.33	780.33	780.14
44+00	780.55	780.46	780.27	780.18	779.99
+25	780.59	780.40	780.21	780.02	779.83
+50	780.62		780.15		779.68
+75	780.66		780.09		779.52
45+00	780.69		780.03		779.37
+25	780.70		779.97		779.24
+50	780.67		779.91		779.15
+75	780.61		779.85		779.09
46+00	780.55		779.79		779.03
+25	780.49		779.73		778.97
+50	780.43		779.67		778.91
+75	780.37		779.61		778.85
47+00	780.31		779.55		778.79
+25	780.25		779.49		778.73
+50	780.19		779.43		778.67
+75	780.13		779.37		778.61
48+00	780.07		779.31		778.55
+25	780.01		779.25		778.49
+50	779.95		779.19		778.43
+75	779.89		779.13		778.37
49+00	779.83		779.07		778.31
+25	779.77		779.01		778.25
+50	779.70		778.94		778.18
+75	779.63		778.87		778.11
50+00	779.55		778.79		778.03

From Sta 40+00 to Sta. 50+00 (Paulding County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



B.M. #8 Spike in ℄ Sta. 52+24, 94' Lt. Elev. 780.23

B.M. #9 Spike in ℄ Sta. 57+03, 93' Lt. Elev. 773.63

For Structure 1-C See Sheet No. 144

SHEET SUMMARY

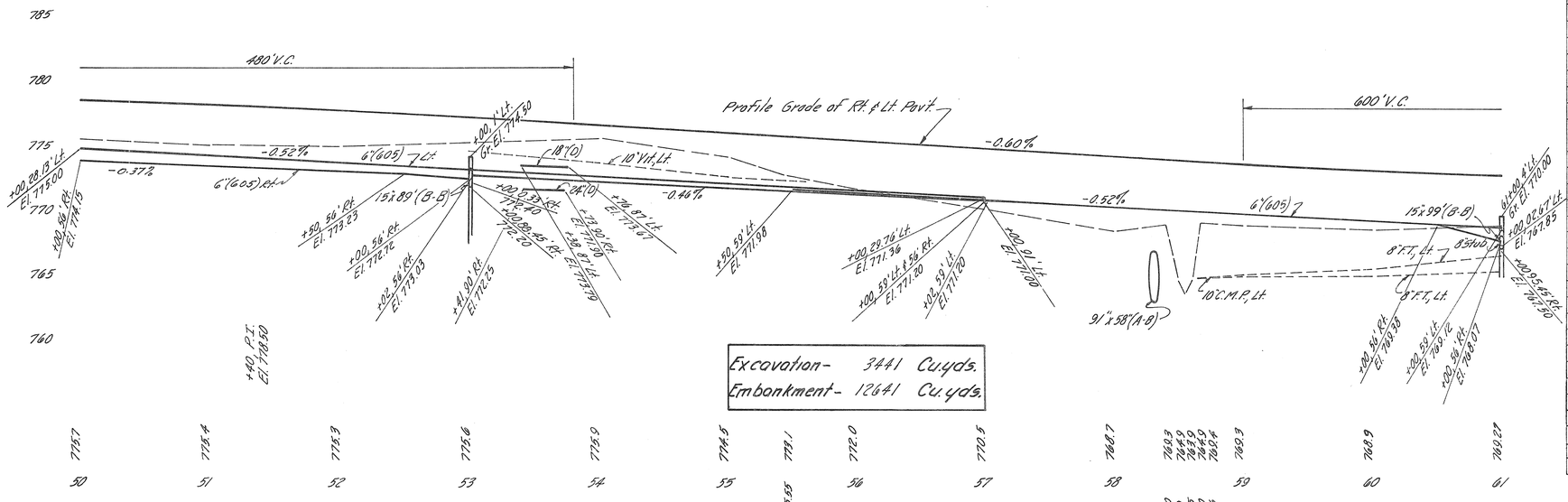
Ref. No.	Station From	Station To	Conduit Lin. Ft. 91"x58" A-B	15" B-B	10" D	24" D	6" F	Bends Each	Bar-Backs Each	Dump Rock Channel Protect. Cu. Yds.	Concrete Masonry Cu. Yds.	C.B. No.	Pipe Underdrain Lin. Ft.	Sodding S.Y.	Jute Matting S.Y.	Pipe Removed & Under Lin. Ft.	C.B. Removed Each	Building Removed Lump	Sidewalk Removed Sq. Ft.	Drilled Well (Abdn.) Ea.	Specs:
			603					602		601		605		660	667	202					
	58+32		204	88						38											
1-C	53+00	53+00						1			26	1	300	125							
1-D	53+00	61+00		99		32					26	1	708	125							
2-D	53+38	54+76																			
3-D	53+41	53+79													262			Lump	Lump		
4-D	50+00	57+00																			
5-D	57+02	61+00											872	398							
6-D	61+00	61+30														1					
7-D	58+80	61+30															1	Lump	40	1	
8-D																	1	Lump	40	1	
	Totals		204	188	32	32	19	10	*	38	52	2	1908	523	262	Lump	1	Lump	40	2	

* 1-6"ø 90° Tee
** Parcel No. 7-WL

706.04

SIDE APPROACHES

Ref. No.	Station	Side	Width	Length	Remarks
1-A	53+57	Lt.	12	61	Fld. Dr.
2-A	53+57	Rt.	16	60'	Crossover
3-A	53+57	Rt.	12	60'	Fld. Dr.
	Totals				

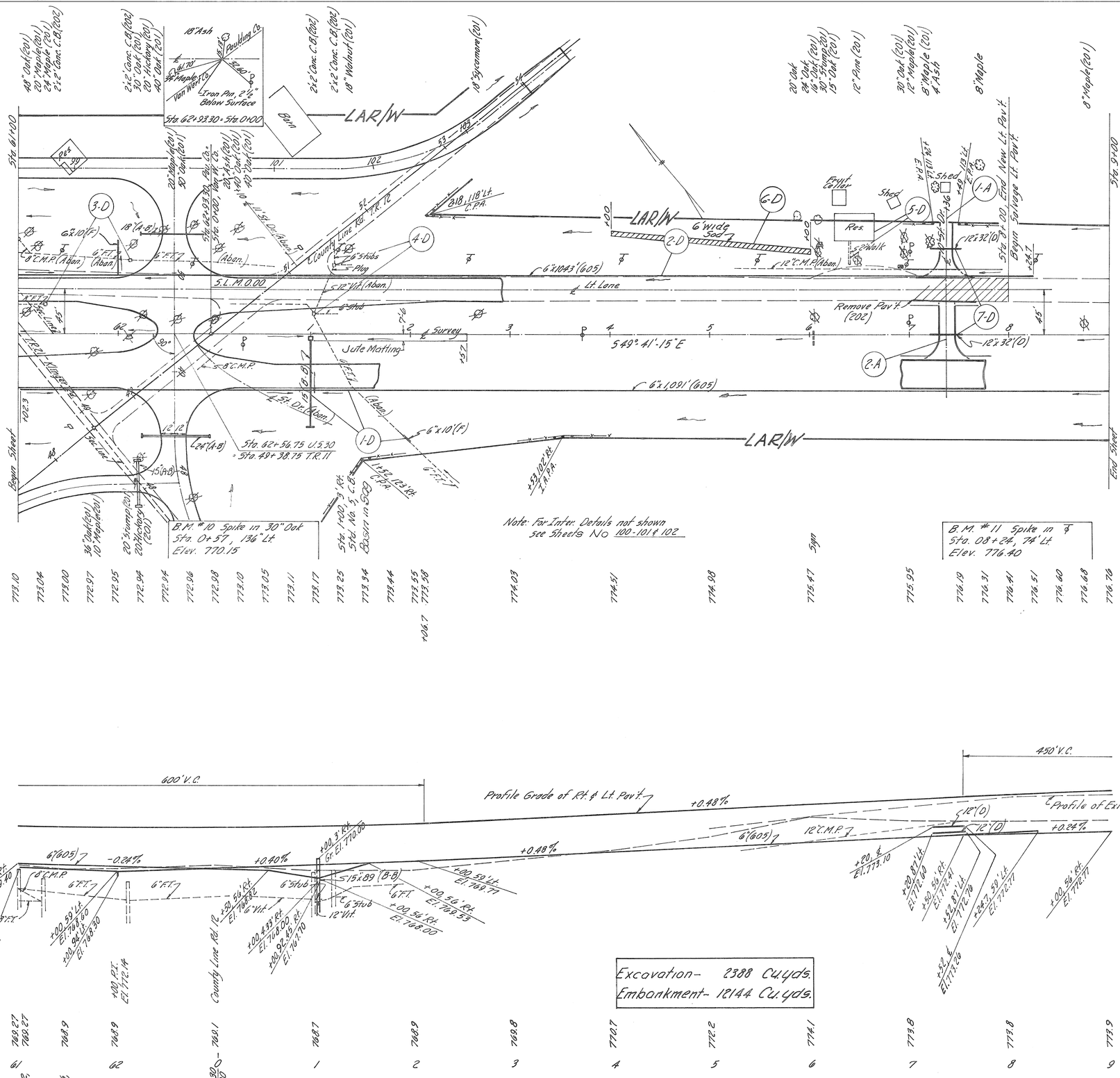


PAVEMENT ELEVATIONS

Station	Lt. Edge Lt. Pavt.	℄ Lt. Pavt.	Median Edges		℄ Rt. Pavt.	Rt. Edge Rt. Pavt.
50+00	779.55		778.79			778.03
+25	779.47		778.71			777.95
+50	779.38		778.62			777.86
+75	779.29		778.53			777.77
51+00	779.20		778.44			777.68
+25	779.10		778.34			777.58
+50	779.00		778.24			777.48
+75	778.89		778.13			777.37
52+00	778.78		778.02			777.26
+25	778.66		777.90			777.14
+50	778.54		777.78			777.02
+75	778.41		777.65			776.89
53+00	778.28		777.52			776.76
+25	778.14		777.38			776.62
+50	778.00		777.24			776.48
+75	777.85		777.09			776.33
54+00	777.70		776.94			776.18
+25	777.55		776.79			776.03
+50	777.40		776.64			775.88
+75	777.22		776.49			775.76
55+00	777.00		776.34			775.68
+25	776.76		776.19			775.62
+50	776.51		776.04			775.57
+75	776.22	776.03	775.84	775.89	775.70	775.51
56+00	775.98	775.89	775.70	775.74	775.65	775.46
+25	775.75	775.75	775.56	775.59	775.59	775.40
+50	775.55	775.61	775.42	775.44	775.50	775.31
+75	775.34	775.47	775.28	775.29	775.42	775.23
57+00	775.14	775.33	775.14	775.14	775.33	775.14

From Sta. 50+00 to Sta. 61+00 (Paulding County)

PAULDING & VAN WERT COUNTIES
PAU-30- 0.00
VAN-30-0.00



SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15"	12"	6"	602 Concrete Masonry	604 Str. No. 5 C.B.	605 6" Shallow Pipe Underdrain	667 Jute Matting	202 C.B. Removed	202 Sidewalk Removed	202 Ranges & Brackets	660 Soiling	202 Building Removed
						F	Cu.Yd.	Ea.	Lin.Ft.	S.Yd.	Ea.	S.Ft.	Each	S.Y.	Lump
1-D	61+02.3	9+00	Rt.	89		10	.26	1	1,091	125			Double Tee		
2-D	61+00	8+24.7	Lt.			10			1043				Tee		
3-D	61+26	62+11	Lt.								2				
4-D	1+02	1+22	Lt.								2				
5-D	6+25	6+65	Lt.									48			*Lump
6-D	4+00	6+00	Lt.											133	
7-D	7+20	7+52	Lt.		64										
Totals				89		64	20	.26	1	2134	125	4	48	133	Lump

* Parcel No. 11-WL

SIDE APPROACHES

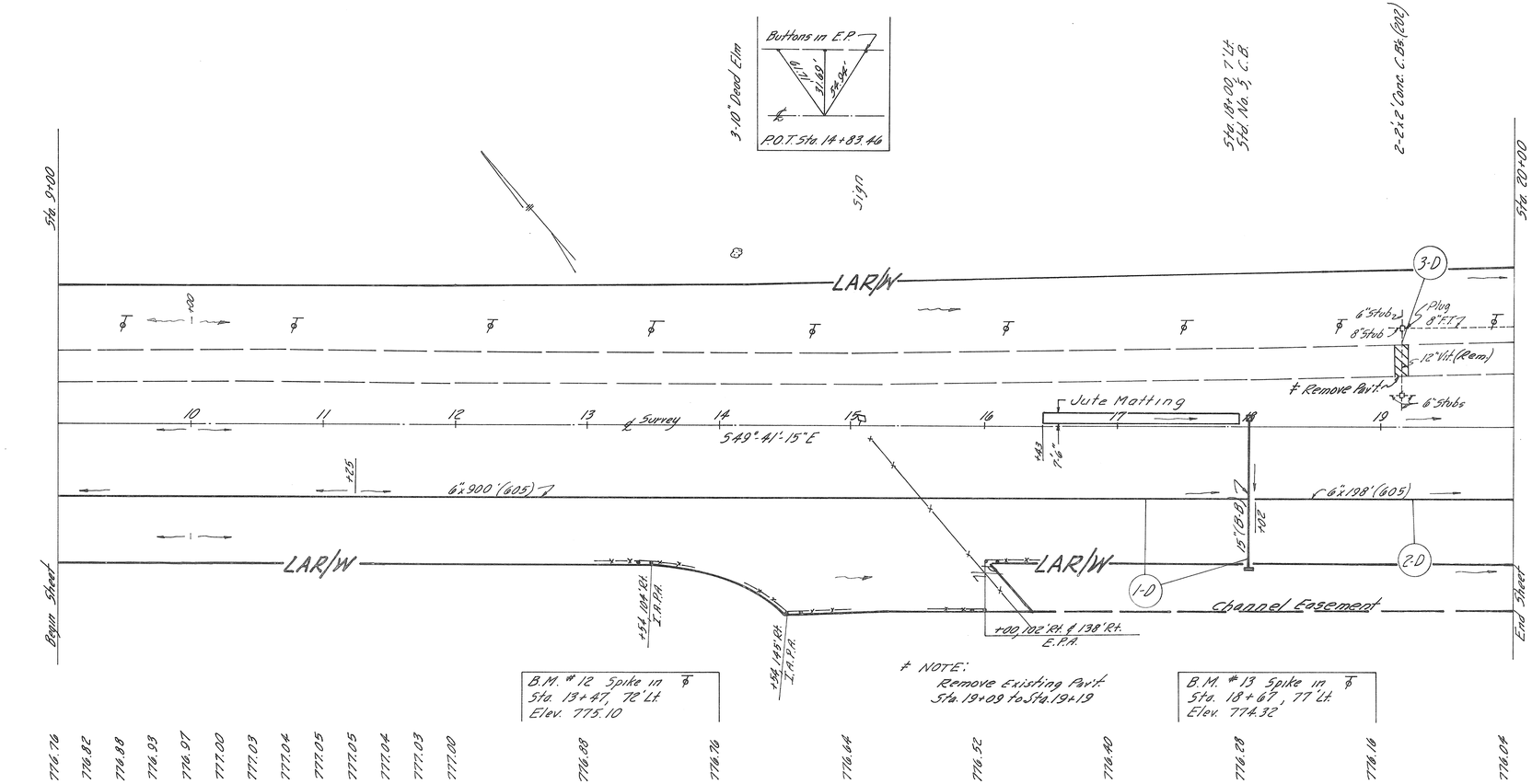
Ref. No.	Station	Side	301 Btm. Aggre. Base	304 Aggre. Base	310 Subbase	409 Cover Aggre. Disp. Mat.		Width	Length	Remarks
			Cu. Yd.	Cu. Yd.	Cu. Yd.	C.Y.	Gal.			
1-A	7+36	Lt.		12.21				12'	57'	Fld. Dr.
2-A	7+36	℄	9.32	18.95	9.80	89	335	16'	63'	Crossover
Totals			9.32	31.16	9.80	89	335			

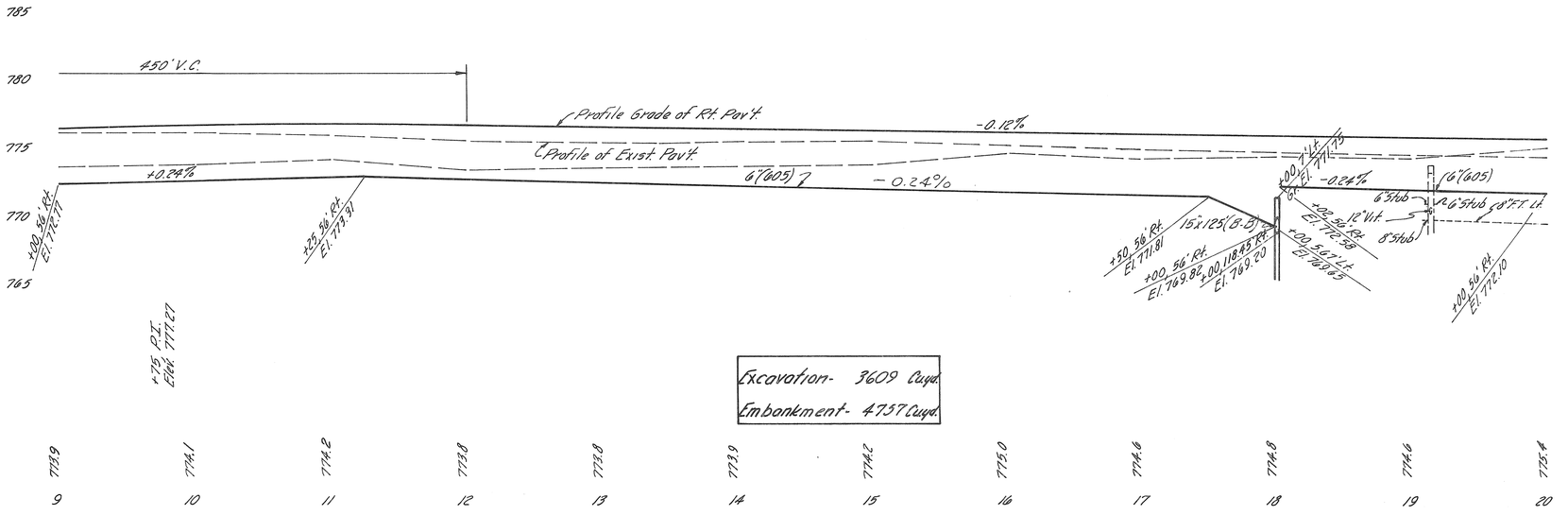
From Sta. 61+00 Paulding Co. to Sta. 9+00 Van Wert Co.

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

SHEET SUMMARY

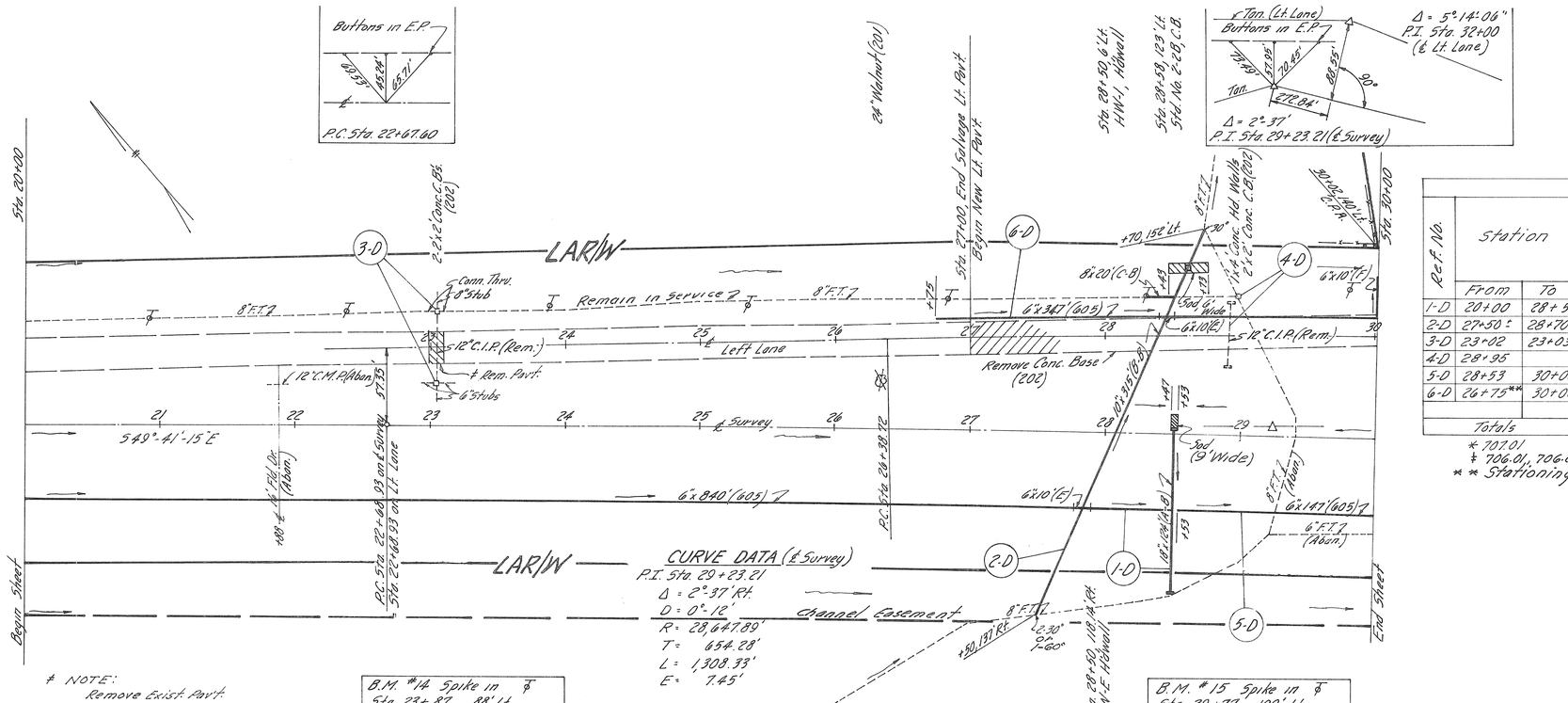
Ref. No.	Station From	Station To	Side	603 conduit Lin. Ft. 15" HW-E	603 conduit Lin. Ft. 18" B-B	602 Concrete Masonry Cu.Yd.	604 Std. No. 5 C.B. Ea.	605 Pipe Underdrain Lin.Ft.	667 Jute Matting S.Yd.	202 C.B. Removed Ea.	202 Rem. Pipe & Fittings Lin.Ft.	202 Gates Butchers Ea.
1-D	9+00	18+00	Rt.	125		0.26	1	900	125			Toe
2-D	18+02	20+00	Rt.					198				
3-D	19+14		Lt.							2	50	
Totals				125		0.26	1	1,098	125	2	50	





From Sta. 9+00 to Sta. 20+00 (Van Wert County)

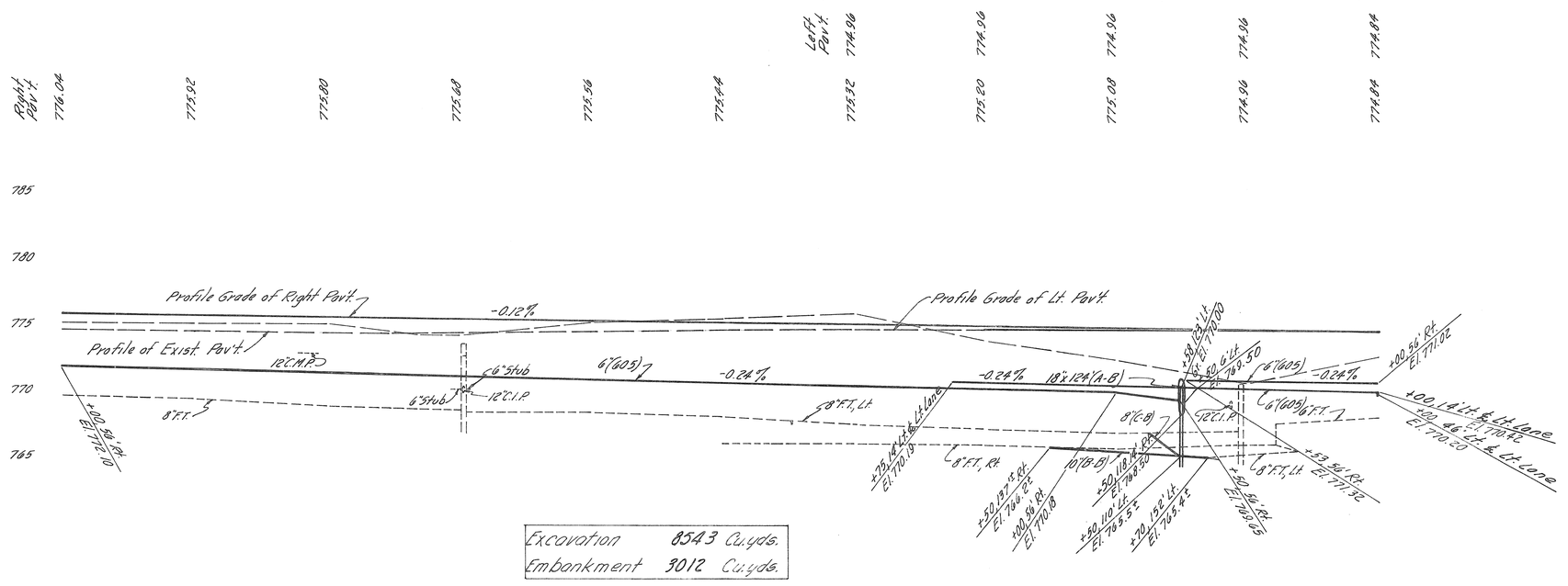
PAULDING & VAN WERT COUNTIES
PAU-30- 0.00
VAN-30- 0.00



SHEET SUMMARY

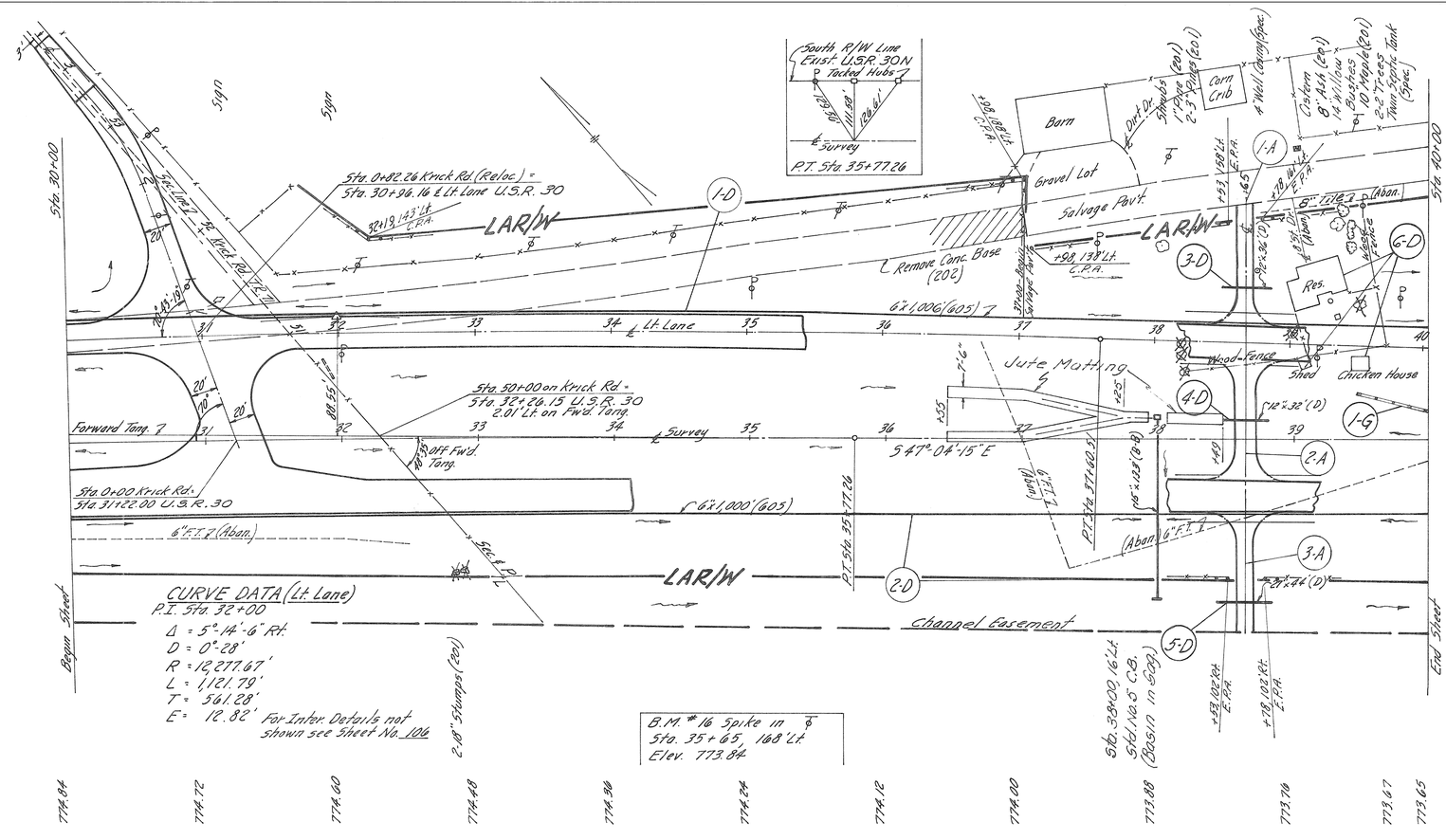
Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 18"	10"	8"	6"	602 Concrete Masonry HW-I	HW-E	604 Sta. No. 2-28 C.B.	605 6" Stubs in Conc. Masonry	660 Sodding	202 C.B. Removed	Pipe Rem. 15" & Under		Bends & Branches
				A-B	B-B	C-B	E	F	Cu.Yd.	Cu.Yd.	Ea.	Lin.Ft.	S.Yd.	Ea.	Lin.Ft.		Each
1-D	20+00	28+50	Rt.	*124			10		2.2	0.30		840	8.0				Tee
2-D	27+50±	28+70±	Rt. Lt.		315	20					1		20.0				3-30° or 1-30° & 1-60°
3-D	23+02	23+03	Lt.											2	50		
4-D	28+95		Lt.											1	48		
5-D	28+53	30+00	Rt.									147					
6-D	26+75**	30+00**	Lt.				10	10				347					Tee
Totals				124	315	20	20	10	2.50		1	1,334	28.0	3	98		

* 707.01
‡ 706.01, 706.02, 706.98
** Stationing ℄ Lt. Lane

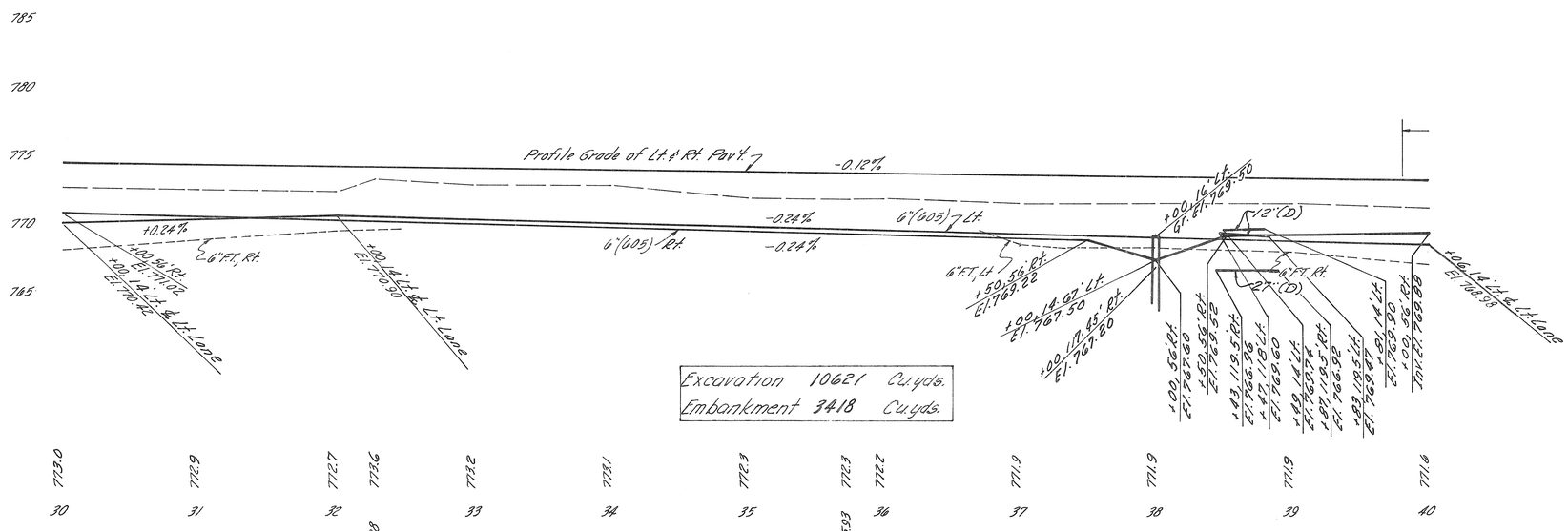


From Sta. 20+00 to Sta. 30+00 (Van Wert County)

PAULDINGS & VAN WERT COUNTIES
PAU-30- 0.00
VAN-30-0.00



B.M. # 16 Spike in ℄ Sta. 35+65, 168' Lt. Elev. 773.84



SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15"	12"	27"	605 6" Subdrain Pipe Underdrains	602 Concrete Masonry	604 Standard No. 3 C.B.	667 Jute matting	202 Sprigging Removed	Bonds & Brackets	Spec. Clean & Seal Joints	Spec. Drilled Weep Aberdeen	606 Guard Rail Type A Barrier
				B-B		D	D	Lin. Ft.	Cu. Yd.	Each	Sq. Yd.	Lump		Each	Each	Lin. Ft.
1-D	30+00*	40+06*	Lt.					1006								
2-D	30+00	40+00	Rt.	133				1,000	0.26	1	264		Double Tee			
3-D	38+47	38+83	Lt.			36										
4-D	38+49	38+81	Lt.			32										
5-D	38+43	38+87	Rt.				44									
6-D	38+90	39+60	Lt.											1	1	
												Lump				
1-G	39+47.01	40+00	Lt.													50.00
Totals				133		68	44	2006	0.26	1	264	Lump		1	1	50.00

** Parcel No. 14 WL

SIDE APPROACHES

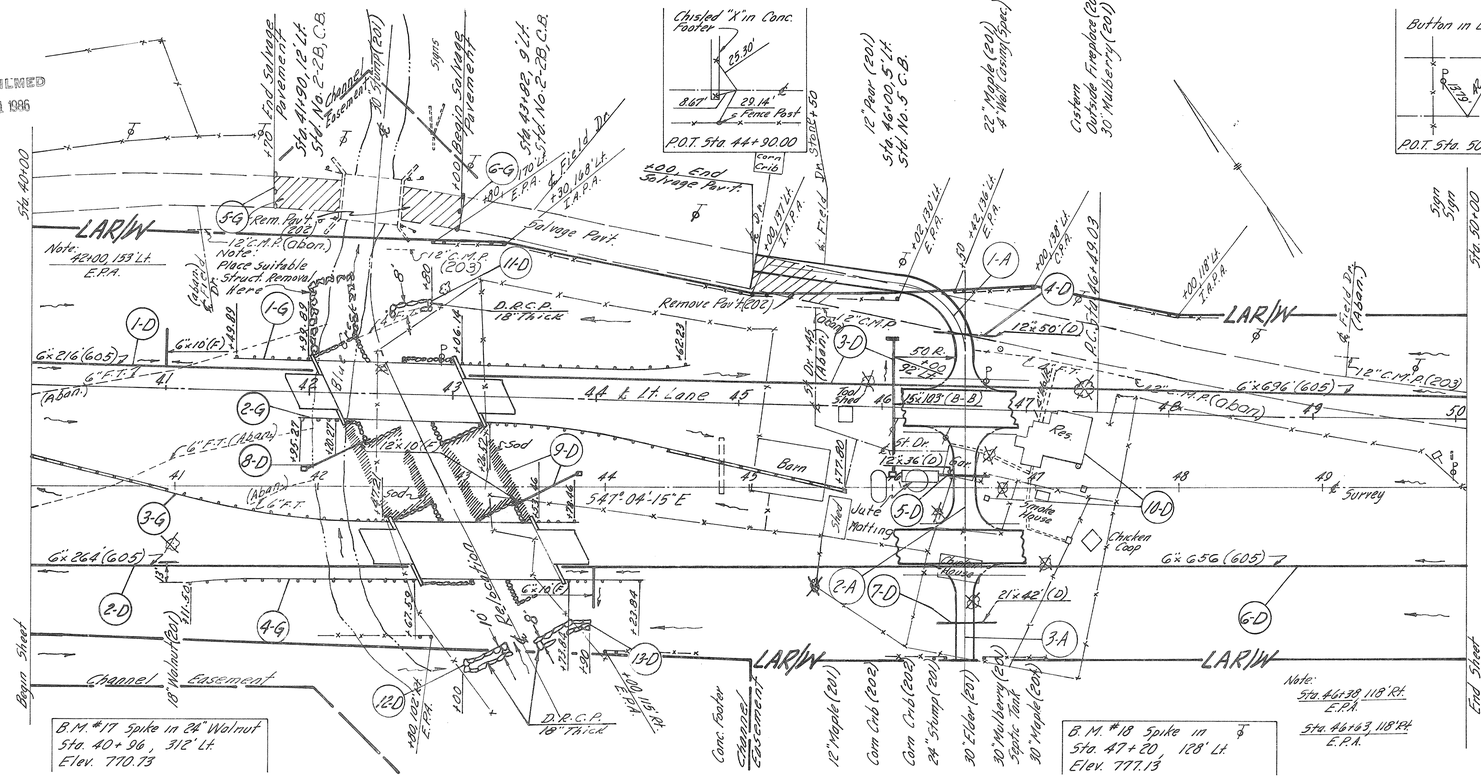
Ref. No.	Station	Side	301 Bitum. Aggre. Base Cu. Yd.	304 Aggre. Base Cu. Yd.	310 Subbase Cu. Yd.	409 Cover Aggre. Bitum. Mat. C.Y.	409 Cover Aggre. Bitum. Mat. Gal.	Width	Length	Remarks
1-A	38+65	Lt.		19.30				12'	89'	Fld. Dr.
2-A	38+65	℄	14.33	28.29	14.55	1.38	51.7	16'	89'	Crossover
3-A	38+65	Rt.		18.62				12'	86'	Fld. Dr.
Totals			14.33	66.21	14.55	1.38	51.7			

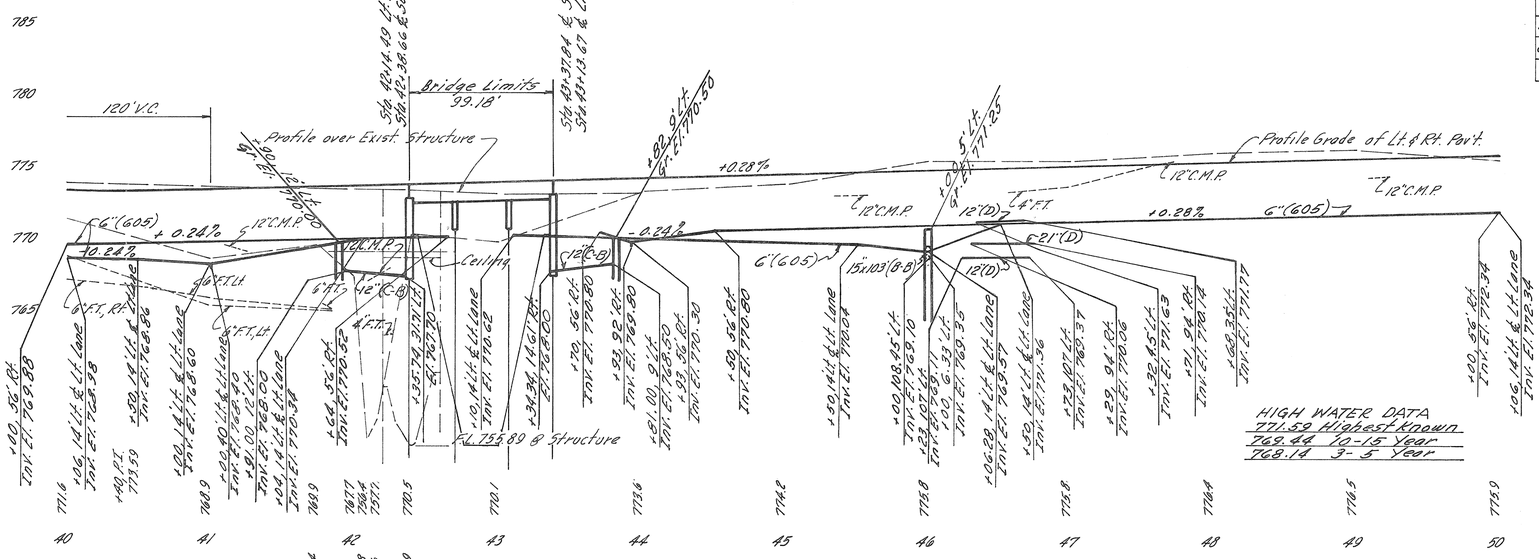
* Left Lane Stationing

From Sta 30+00 to Sta 40+00 (Van Wert County)

MICROFILMED
JUL 11 1986

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15" B-B	12" C.B	12" D	21" D	6" (E)	6" (F)	Spec. 603 Drilled Shaft Reinforcement	601 Concrete Masonry Type Class	602 HN-E	604 12" C.B. No. 5 C.B.	605 6" Station Pipe Under Drain	660 Seeding	667 Jute Matting	202 Removing Asphalt Sidewalk	202 Sidewalk Removed	202 Removing Portland Cement Concrete	Spec. Clean & Unpaint Septic Tank	Ends & Branches
										Each	Cu.Yd.	Cu.Yd.	Ea.	Lin.Ft.	Sq.Yd.	Sq.Yd.	Lump	Sq.Ft.	Lump	Each	Each
1-D	40+06 *	42+04 *						10						216							Tee
2-D	40+00	42+64												264							
3-D	43+10 *	50+06 *	Lt.	103								.26	1	696		19					Double Tee
4-D	46+23	46+73	Lt.			50															
5-D	46+32	46+68	Lt.			36															
6-D	43+70	50+00	Rt.					10						656							Tee
7-D	46+29	46+71	Rt.				42														
8-D	41+90	42+35.74	Lt.		40			10					1		252						
9-D	43+34.34	43+82	℄		43			10					1		261						
10-D	45+00	47+50	℄						1								*Lump	182	Lump	1	
11-D	42+46	42+80	Lt.								11										
12-D	43+00	43+34	Rt.								21										
13-D	43+57	43+90	Rt.								13										
Totals				103	83	86	42	20	20	1	45	.26	2	1,832	513	19	Lump	182	Lump	1	

** Parcel No. 15-WL

*Left Lane Stationing

Sheet Summary Cont.

Ref. No.	Station From	Station To	Side	606 Guard Rail Type 4 Lin. Ft.	606 Guard Rail Type 4 & Barrier Lin. Ft.
1-G	41+49.89 *	44+62.23 *	Lt.	213.32	
2-G	41+95.27 *	45+77.80 *	Lt.	163.32	125.00
3-G	40+00	43+78.46	Rt.	188.32	100.00
4-G	41+11.50	44+23.84	Rt.	213.32	
5-G	41+70		Lt.	25.00	
6-G	43+00		Lt.	25.00	
Total				828.28	225.00

SIDE APPROACHES

Ref. No.	Station From	Station To	Side	301 Bitum. Mat'l. Base Cu. Yd.	304 Agric. Lime Base Cu. Yd.	310 Subbase Cu. Yd.	409 Cover Coat Bitum. Mat'l. C.Y.	409 Cover Coat Bitum. Mat'l. Gal.	Widths	Length	Remarks
1-A	46+50		Lt.		44.00				12'	200'	Fld. Dr.
2-A	46+50		℄	11.57	23.22	11.62	1.10	329	16'	70'	Cross Ø
3-A	46+50		Rt.		14.19				12'	66'	Fld. Dr.
Totals				11.57	81.41	11.62	1.10	329			

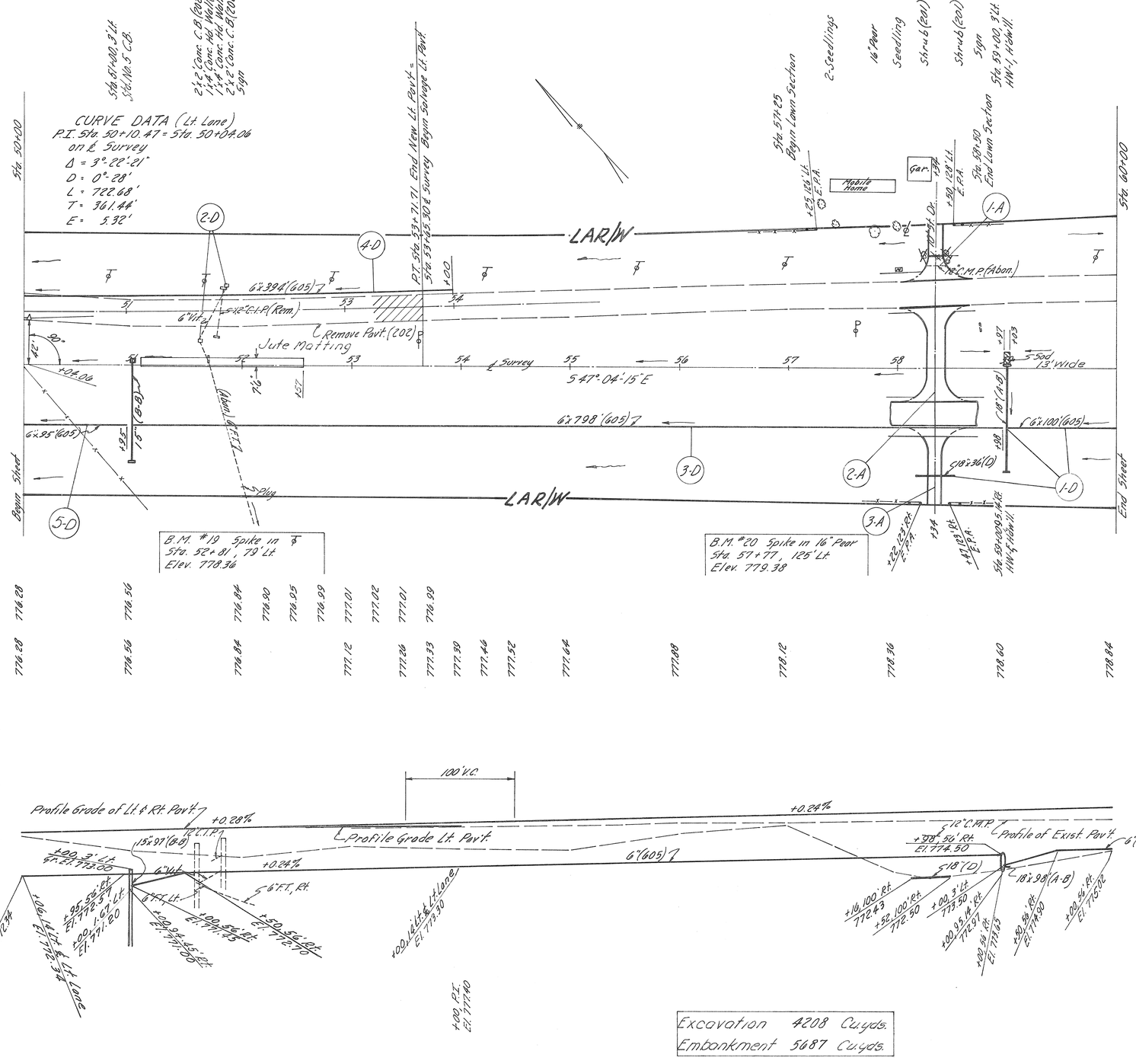
EXISTING STRUCTURE
TYPE : Reinforced Concrete Beam
SPAN : 40 Feet
SKEW : 0°
ALIGNMENT : 5° R.C.
LOADING : H-15
ROADWAY : 29'-0" f/f curb

PROPOSED STRUCTURE
TYPE: Continuous Reinforced Concrete Slab with capped pile substructure.
SPANS: 30'-37.5'-30' c/c Bearings.
ROADWAY: 2@ 40'-0" f/f Guardrail.
LOAD FREQUENCY: CF-2000(57)
SKEW: 27° Right Forward
WEARING SURFACE: 1" Monolithic Concr.
APPROACH SLABS: AS-1-54(25' long)
ALIGNMENT: Tangent

Excavation	13475 Cu.yds.
Embankment	9979 Cu.yds.

From Sta. 40+00 to Sta. 50+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



Excavation 4208 Cu.yds.
Embankment 5687 Cu.yds.

SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 18" A-B	15" B-B	18" D	604 Std. No. C.B. Each	602 Concrete Masonry HW-1 C.Y.	605 6" Shallow Pipe Under L.F.	660 Sodding S.Y.	202 C.B. Removed Each	Pipe Rem. 15"-24" Under L.F.	Bends & Branches Each	667 Jute Matting S.Y.	602 Conc. Masonry HW-E C.Y.
1-D	59+00	60+00	Rt.	98+		36		2.20	100	9			Tee		.30
2-D	51+61	51+84	Lt.								2	45			
3-D	51+00	58+98	Rt.		97		1		798				Tee	125	.26
4-D	50+06*	54+00*	Lt.						394						
5-D	50+00	50+95	Rt.						95						
Totals				98	97	36	1	2.20	1,387	9	2	45		125	.56

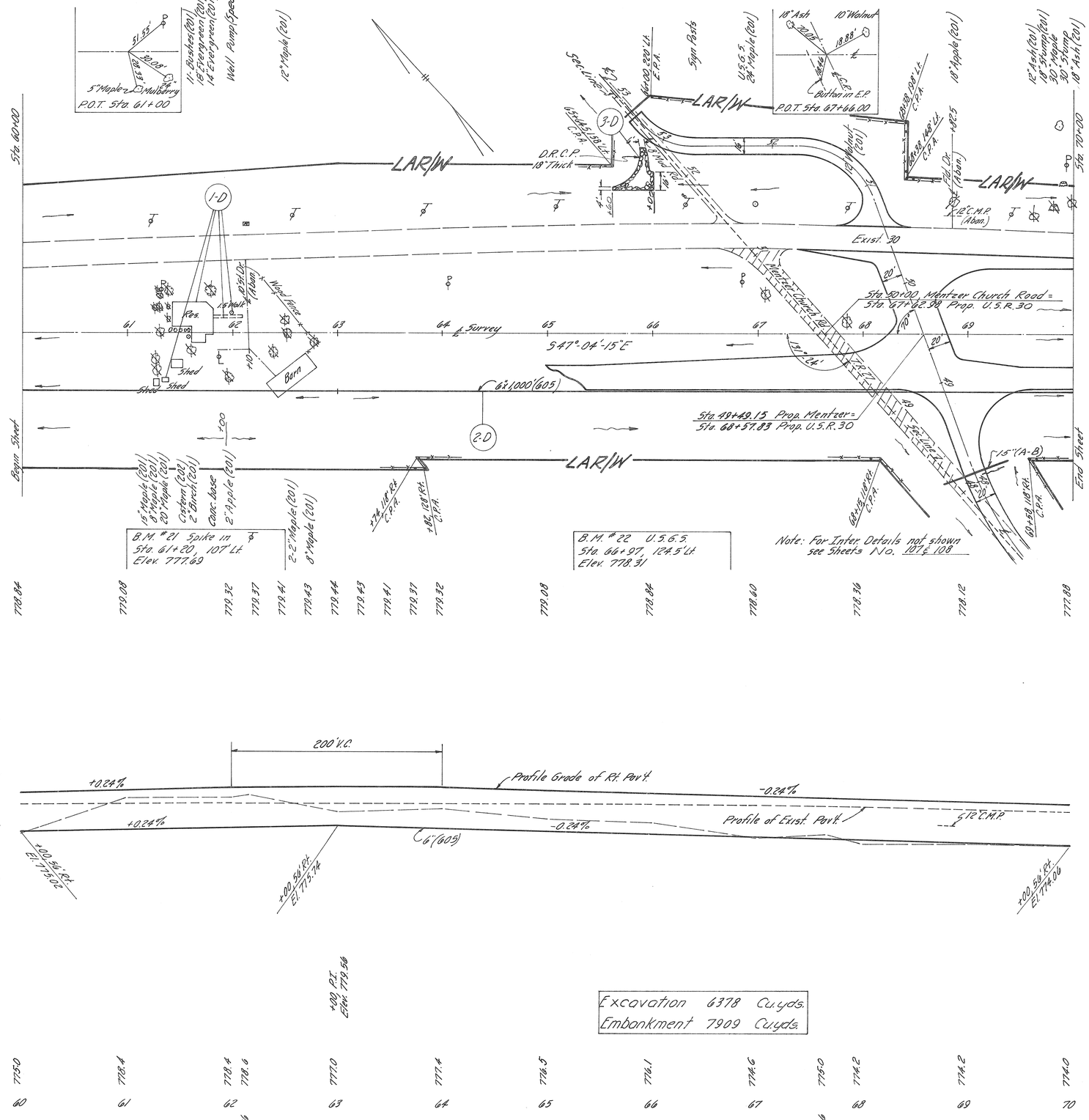
706.01, 706.02, 706.08
* Stationing ℄ Lt. Lane

SIDE APPROACHES

Ref. No.	Station	Side	301 Brium Aggre. Base Cu. Yd.	304 Aggre. Base Cu. Yd.	310 Subbase Cu. Yd.	409 Cover Aggre. Bitum. Mat. C.Y.	409 Gal.	Width	Length	Remarks
1-A	58+34	Lt.	2.55	11.02	2.55	.24	9.2	12'	45'	Res. Dr.
2-A	58+34	℄	13.73	18.00	13.73	1.21	18.4	16'	85'	Crossover
3-A	58+34	Rt.		11.07				12'	52'	Fld. Dr.
Totals			16.28	40.09	16.28	1.45	27.6			

From Sta. 50+00 to Sta. 60+00 (VanWert County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



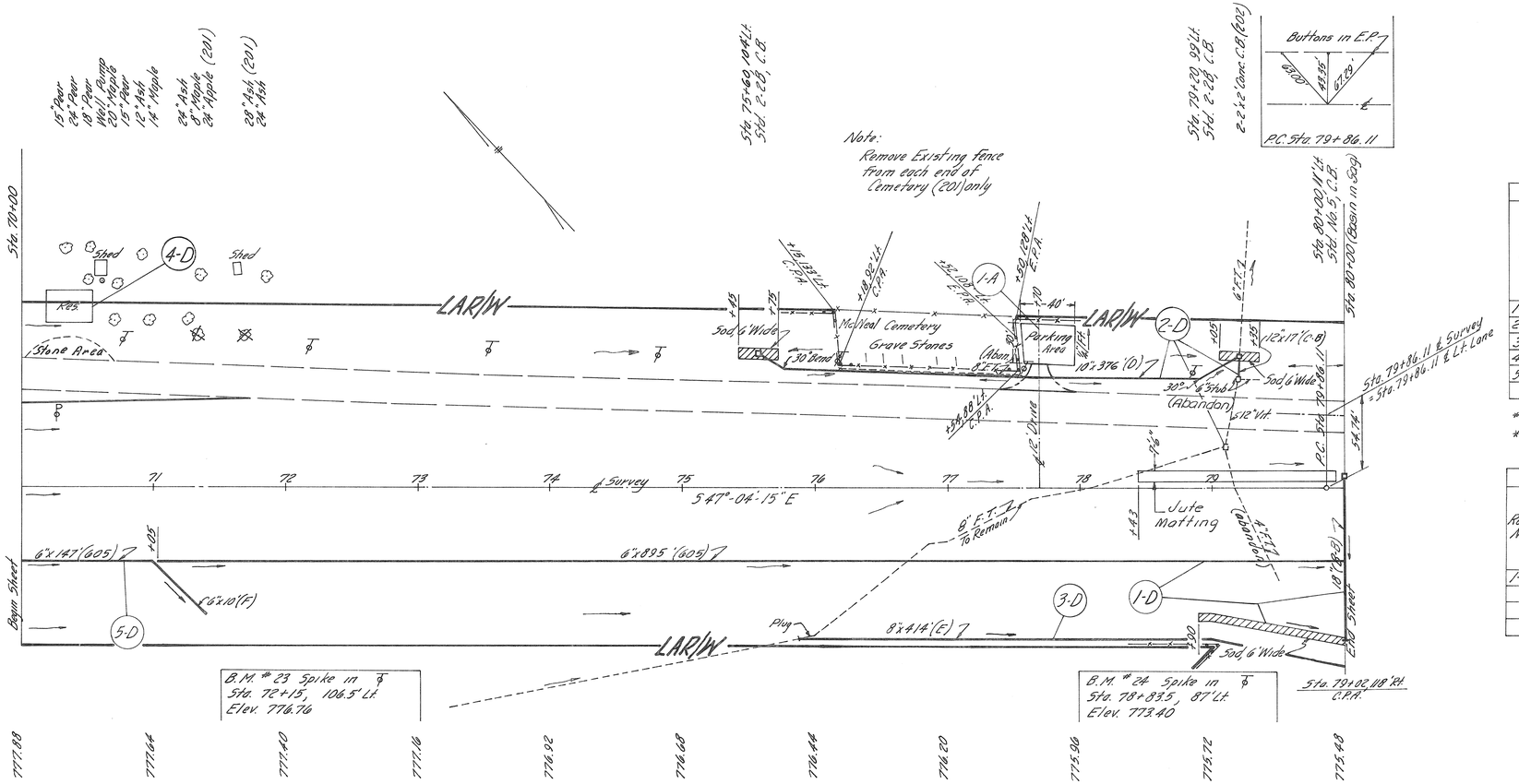
SHEET SUMMARY

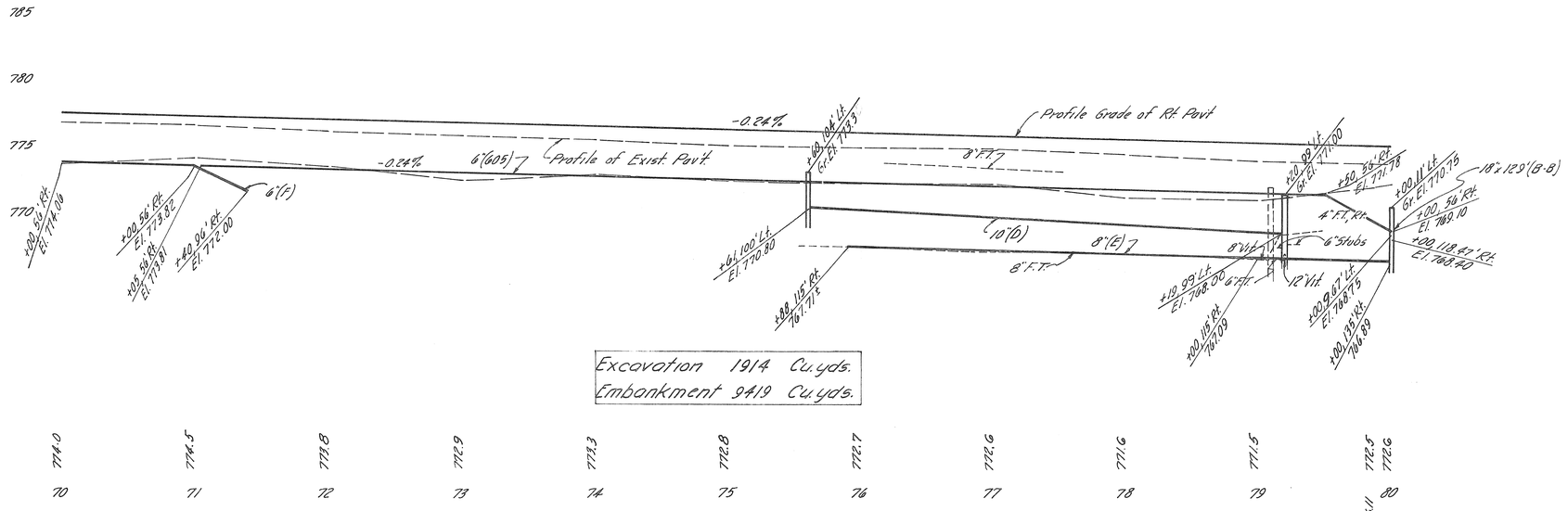
Ref. No.	Station From	Station To	Side	605 6" Stabilized Open Graded Drainage Base	601 Concrete Pavement Class "C"	Spec. Pavement Drilled and Anchored	Spec. Abandoning Pavement	202 Sidewalk Removed	202 Remove Part of Structure
				Ln.Ft.	C.Y.	Each	Ea.	Lump	S.F.	Lump
1-D	61+00	63+00	℄			1	1	*Lump	42.0	Lump
2-D	60+00	70+00	Rt.	1,000						
3-D	65+60	66+00	Lt.		24					
Totals				1,000	24	1	1	Lump	42.0	Lump

* Parcel No. 16-WL

From Sta. 60+00 to Sta. 70+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





Excavation 1914 Cu. yds.
Embankment 9419 Cu. yds.

From Sta. 70+00 to Sta. 80+00 (Van Wert County)

SHEET SUMMARY

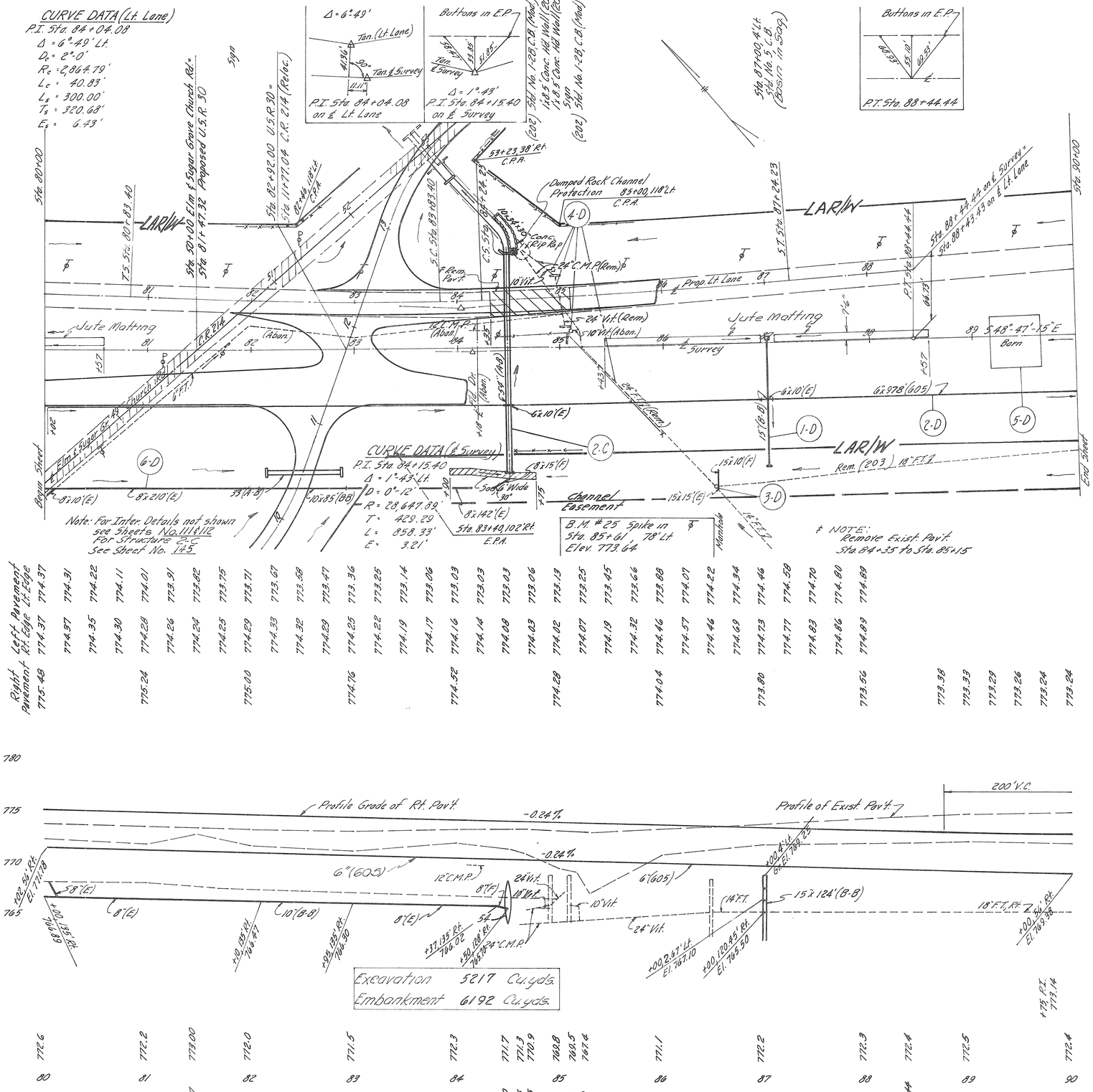
Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 18"	10"	12"	8"	6"	602 Concrete Masonry HW-E	604 Sta. No. 2328 No. 5 C.B.	605 6" Stone Underdrain Lin. Ft.	660 Seeding Cu. Yd.	202 C.B. Removed Ea.	Pipe Removed Lump	Bends & Branches Each	667 Jute Matting S.Y.
				B-B	D	C-B	E	F	Cu. Yd.	Ea.	Lin. Ft.	S. Yd.	Ea.	Lump	Each	S.Y.
1-D	71+05	80+00	Rt.	129					.30		1	895	73		Tee	167
2-D	75+60	79+20	Lt.			376	17			2			40	" 2	2-30°	
3-D	75+88	80+00	Rt.					414								
4-D	70+19	70+55	Lt.											Lump		
5-D	70+00	71+40	Rt.					10			147				45°	
Totals				129		376	17	414	10	.30	2	1	1042	113	2 Lump	167

* Connect through
** Parcel No. 18-WL

SIDE APPROACHES

Ref. No.	Station	Side	304 6" Aggre. Base Cu. Yd.	Width	Length	Remarks
1-A	77+70	Lt.	28.54	16'		Cem't. Dr. Pk. Area
Totals			28.54			

PAULDING & VAN WERT COUNTIES
PAU-30- 0.00
VAN-30-0.00



SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 54"	15"	6"	15"	601/602 Dumped Rock Channel Protect.	602 Concrete Masonry	604 Sta. No. 5 C.B.	605 6" Subdrain Pipe Underdrain	660 Sodding	667 Safe Matting	202 Rem. Part of Exist. Struct.	202 C.B. Removed	202 Building Removed	Bends & Branches	202 Pipe Rem. Over 15"
				A-B	B-B	E	F	Cu.Yd.	Cu.Yd.	Ea.	Lin.Ft.	S.Yd.	S.Yd.	Lump	Ea.	Lump	Each	L.F.
2-C	84+50		Lt.℄	214*				37	10.0			58						
1-D	87+00		Rt.		124				0.26	1			250					
2-D	80+02	90+00	Rt.			20					978							
3-D	86+47		Rt.				15	10						Lump			45°	
4-D	84+91	85+09	Lt.												2			352
5-D	88+15	88+66	℄													** Lump		
	Totals			214	124	20	15	10	37	11.22	1	978	58	250	Lump	2	Lump		352

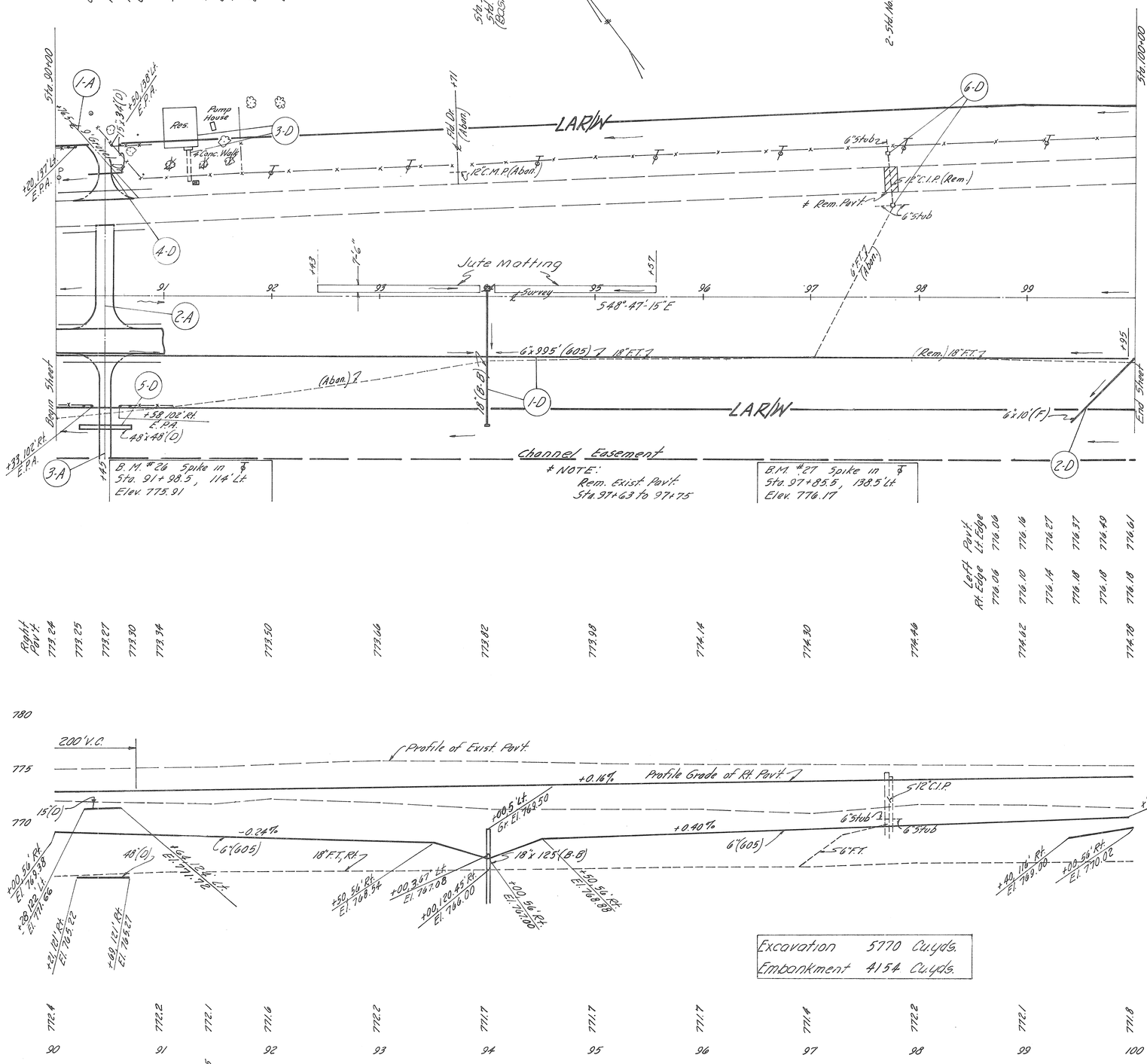
* 706.02
• 707.01
** Parcel No. 21-WL

SHEET SUMMARY (Cont.)

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 8"	10"	8"		Bends & Branches Each
				E	B-B	F		
6-D	80+00	84+50	Rt.	362	85	15		30°
	Totals			362	85	15		

From Sta. 80+00 to Sta. 90+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU-30- 0.00
VAN-30-0.00



SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 18"	15"		48"	6"	602 Concrete Masonry Std. No. 5 C.B.	604	605 6" Stubs Underdrain		667 Jute Matting	202 C.B. Removed	202 Sidewalk Removed	202 Bends & Branches	202 Pipe Rem. Dia. 18"	202 Pipe Rem. Dia. Under	202 Building Removed
				B-B	D		D	F	Cu. Yd.	Ea.	Lin. Ft.		S. Yd.	Ea.	S. Ft.	Each	Lin. Ft.	Lin. Ft.	Lump
1-D	90+00	99+95	Rt.	125					.30	1	995		250			Double Tee	650		
2-D	99+40	100+00	Rt.					10			75					45°			
3-D	90+30	91+70	Lt.												120				Lump **
4-D	90+28	90+64	℄		34														
5-D	90+21	90+69	Rt.				48												
6-D	97+70	97+75	Lt.											2				48	
Totals				125	34		48	10	.30	1	1070		250	2	120		650	48	Lump

* 706.02
** Parcel No. 21-WL

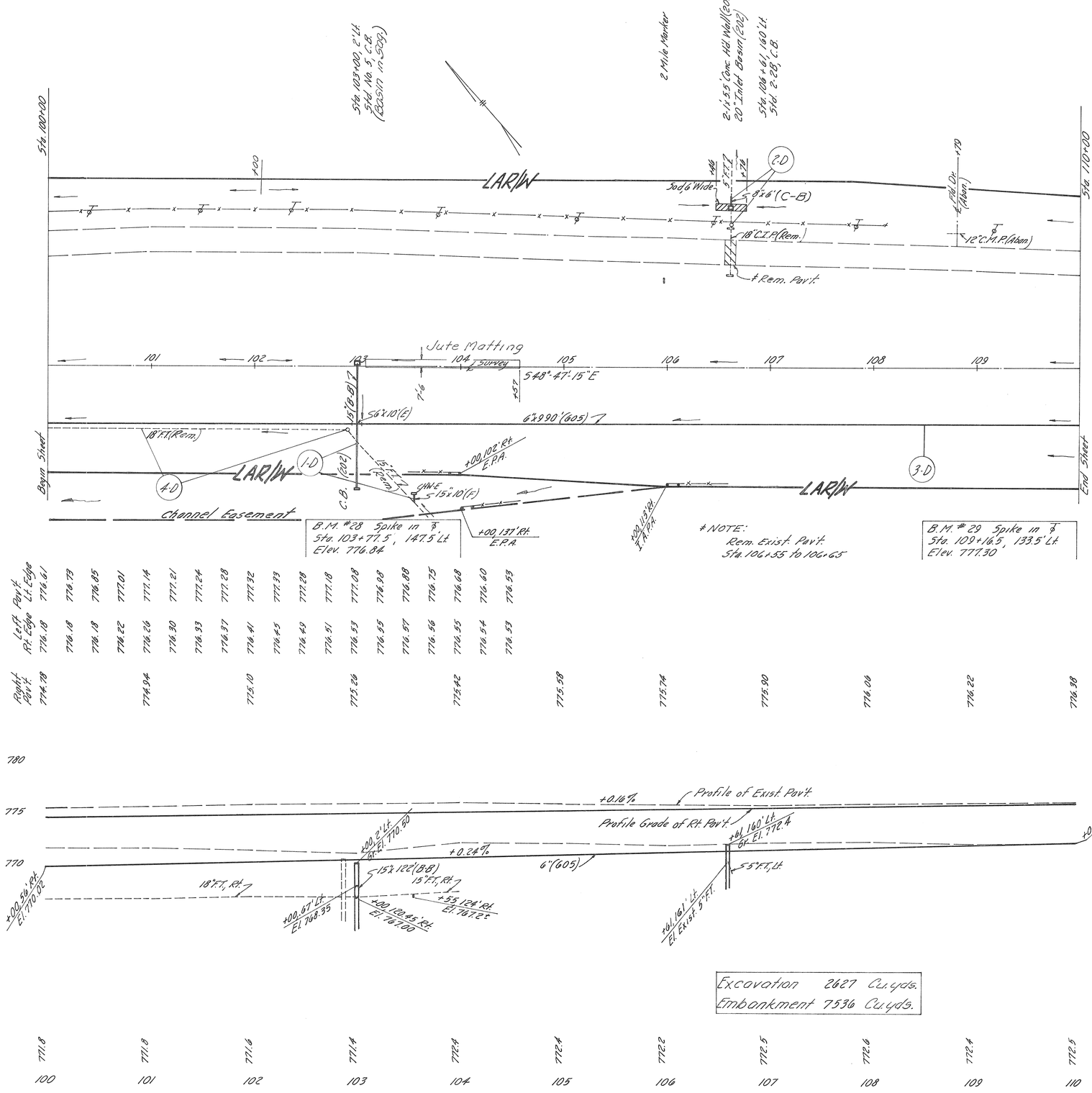
SIDE APPROACHES

Ref. No.	Station	Side	301 Bitum. Aggr. Base Cu. Yd.	304 Aggre. Base Cu. Yd.	310 Subbase Cu. Yd.	409 Cover Aggre. Bitum. Mat. C.Y.	409 Gal.	Width	Length	Remarks
1-A	90+45	Lt.		8.86				12'	42'	Fld. Dr.
2-A	90+45	℄	12.72	25.97	13.00	1.22	45.6	16'	96'	Crossover
3-A	90+45	Rt.		10.83				12'	96'	Fld. Dr.
Totals			12.72	45.66	13.00	1.22	45.6			

Excavation	5770 Cu.yds.
Embankment	4154 Cu.yds.

From Sta. 90+00 to Sta. 100+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



Left Pavt. Lt. Edge	Left Pavt. Rt. Edge	Right Pavt. Lt.	Right Pavt. Rt.	Sta.
776.61	776.18	774.78		100
776.73	776.18			
776.85	776.18			
777.01	776.22			
777.14	776.26	774.94		101
777.21	776.30			
777.24	776.33			
777.28	776.37			
777.32	776.41	775.10		102
777.33	776.45			
777.28	776.49			
777.18	776.51			
777.08	776.53	775.26		103
776.98	776.55			
776.88	776.57			
776.75	776.56			
776.68	776.55	775.42		104
776.60	776.54			
776.53	776.53			
		775.58		105
		775.74		106
		775.90		107
		776.06		108
		776.22		109
		776.38		110

Excavation 2627 Cu.yds.
Embankment 7536 Cu.yds.

Rt. Edge	Sta.
771.8	100
771.8	101
771.6	102
771.4	103
772.4	104
772.4	105
772.2	106
772.5	107
772.6	108
772.4	109
772.5	110

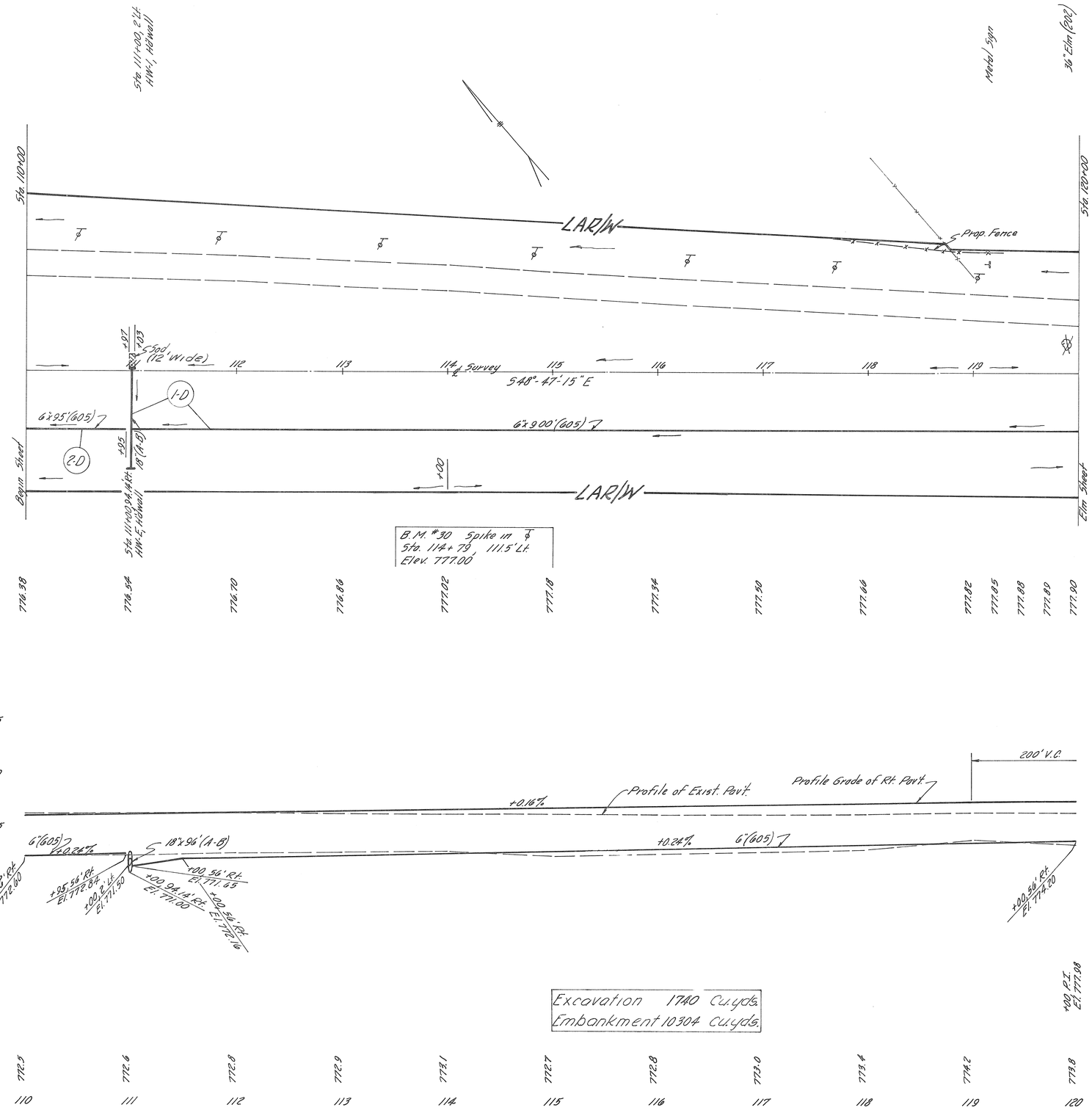
SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15"	603 Conduit Lin. Ft. 8"	603 Conduit Lin. Ft. 15"	603 Conduit Lin. Ft. 6"	602 Concrete Masonry	604 Std. No. 5 C.B.	604 Std. No. 2.28 C.B.	605 6" Stpl. Pipe Underdrain	660 Seeding	667 Jute Matting	202 C.B. Removed	202 Pipe Rem. Over 15"	202 Pipe Rem. & Placed
				B-B	C-B	F	E	Cu.Yd.	Ea.	Ea.	Lin.Ft.	S.Yd.	S.Yd.	Ea.	Lin.Ft.	Lin.Ft.
1-D	103+00	103+51	Rt.	122		10		0.52	1				125			
2-D	106+61		Lt.		6					1		20		1	46	
3-D	100+00	110+00	Rt.				10*				990					
4-D	100+00	103+55	Rt.											1	286	70
	Totals			122	6	10	10	0.52	1	1	990	20	125	2	332	70

* 707.01

From Sta. 100+00 to Sta. 110+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



Excavation 1740 Cu.yds.
Embankment 10304 Cu.yds.

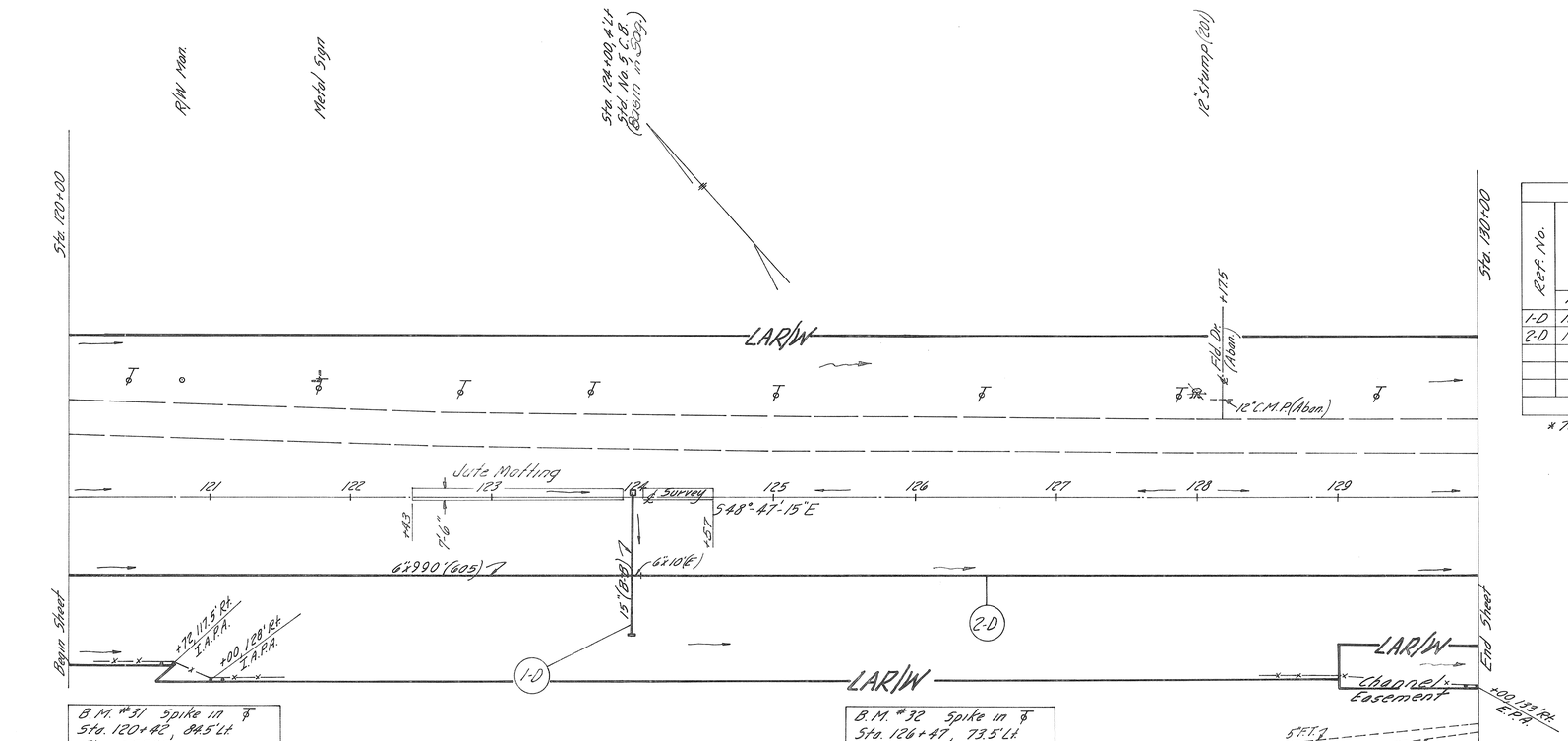
SHEET SUMMARY

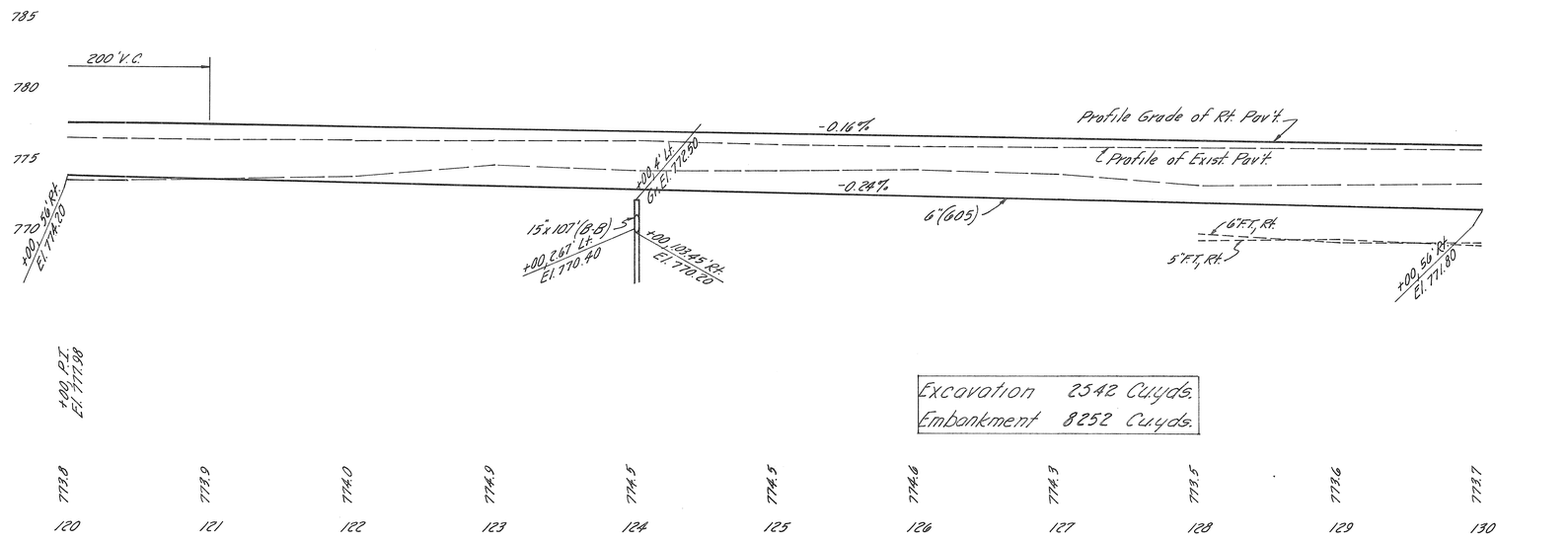
Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 18"	602 Conc. Masonry HWC	602 Conc. Masonry HW-1	605 6" Stabilized Pipe Underdrain Lin. Ft.	660 Sodding S.Yd.	Bonds & Brackets
				A-B	C.Y.	Cu.Yd.	Lin. Ft.	S.Yd.	Each
1-D	111+00	120+00	Rt.	*96	.30	2.2	900	8	Tee
2-D	110+00	110+95	Rt.				95		
Totals				96	250		995	8	

* 706.01, 706.02, 706.08

From Sta 110+00 to Sta. 120+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





SHEET SUMMARY

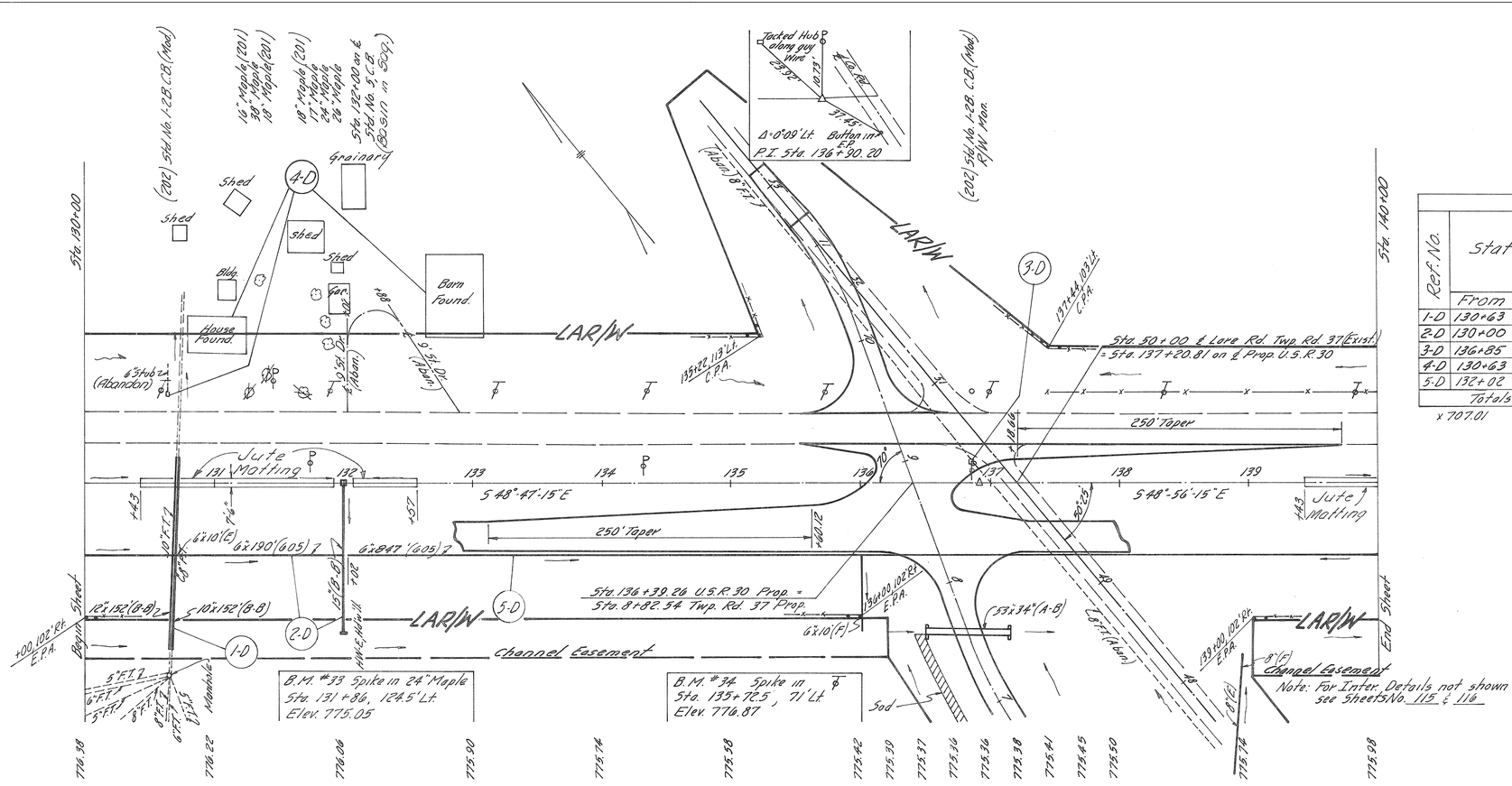
Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15"	603 Conduit Lin. Ft. 6"	602 Concrete Masonry HW-E B-B	602 Concrete Masonry Std. No. 5 C.B. E	604 Cu. Yd.	605 6" Perf. Pipe Underdrain Lin. Ft.	667 Jute Matting S. Yd.
1-D	124+00		Rt.	107			.26	1		167
2-D	120+00	130+00	Rt.		10*				990	
Totals				107	10		.26	1	990	167

*707.01

Excavation	2542 Cuyds.
Embankment	8252 Cuyds.

From Sta. 120+00 to Sta. 130+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



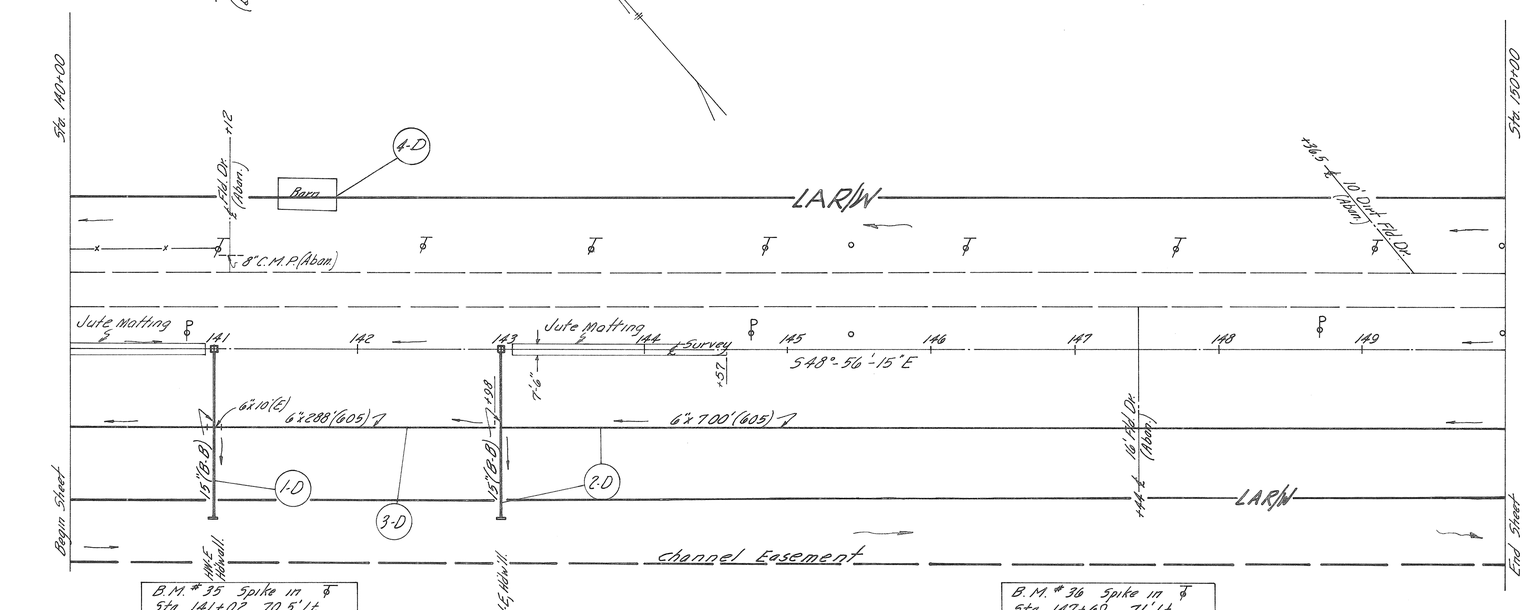
SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 10"	12"	15"	6"	602 Concrete Masonry HW-E	604 Std. No. 5 C.B. Cu. Yd.	605 Shallow Pipe Underdrain Ea.	605 Shallow Pipe Underdrain Lin. Ft.	667 Jute Matting S. Yd.	202 C.B. Removed Ea.	202 Pipe or Drain Removed Lump	Bends & Branches Each
				B-B	B-B	B-B	E F	Cu. Yd.	Ea.	Lin. Ft.	S. Yd.	Ea.	Lump	Each
1-D	130+63	130+65	Rt.	152	152									
2-D	130+00	132+00	Rt.			117	10	0.26	1	190	167			Tee
3-D	136+85		Lt.									1		
4-D	130+63	133+00	Lt.									1	Lump	
5-D	132+02	140+00	Rt.				10			847				Tee
Totals				152	152	117	10 10	0.26	1	1037	167	2	Lump	

x 707.01

From Sta. 130+00 to Sta. 140+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



SHEET SUMMARY

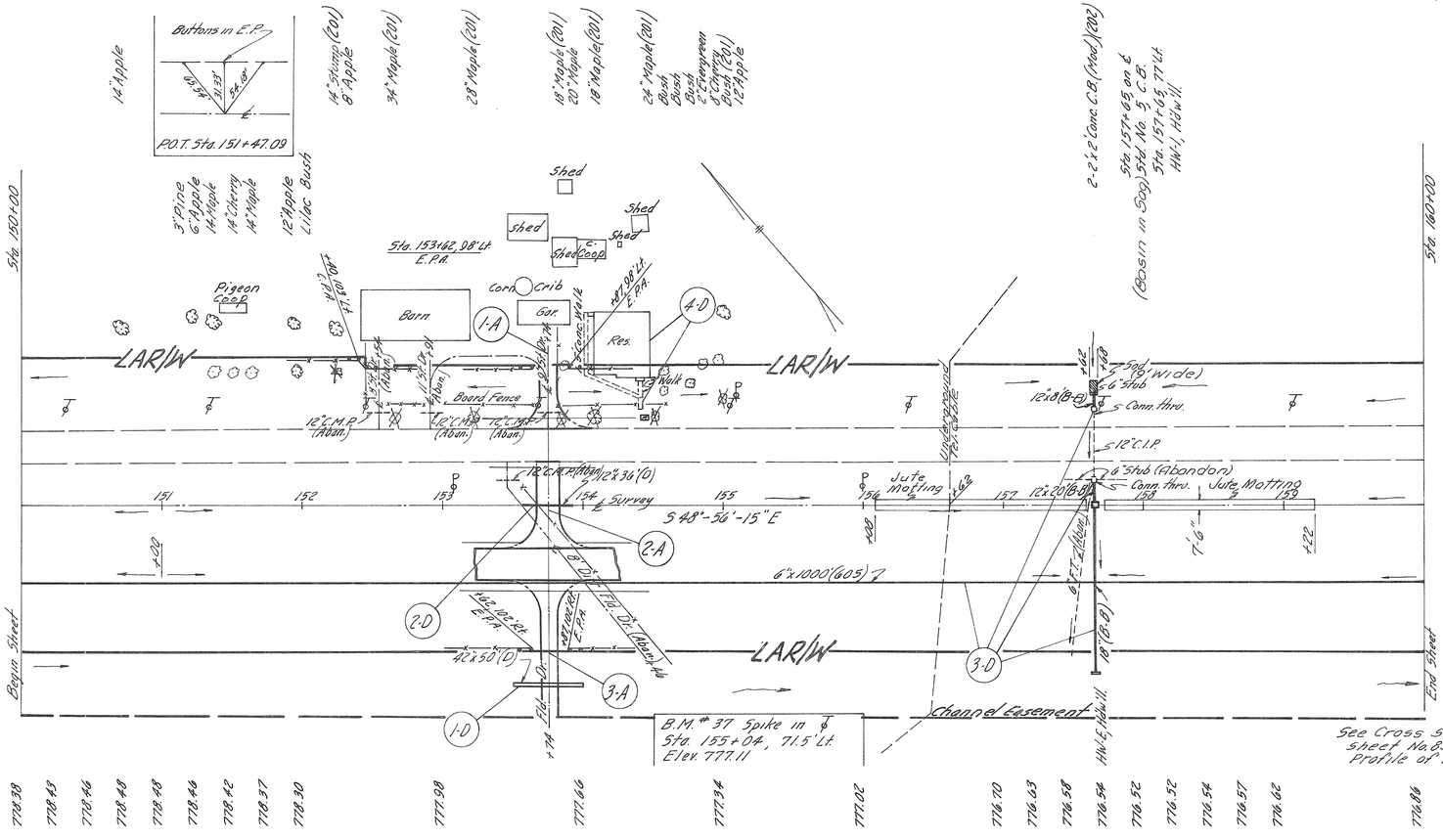
Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15"	603 Conduit Lin. Ft. 6"	602 Concrete Masonry	604 Sta. No. 5 C.B.	605 6" Shallow Pipe Underdrain	667 Jute Matting	Bends & Branches	202 Building Removed
				H.W.E							
				B-B	E	Cu.Yd.	Ea.	Lin.Ft.	S.Yd.		Lump
1-D	141+00		Rt.	119		0.26	1		125		
2-D	143+00	150+00	Rt.	118		0.26	1	700	125	Tee	
3-D	140+00	142+98	Rt.		10*			288			
4-D	141+44	141+85	Lt.								Lump**
Totals				237	10	0.52	2	988	250		Lump

* 707.01
** Parcel No. 24-WL

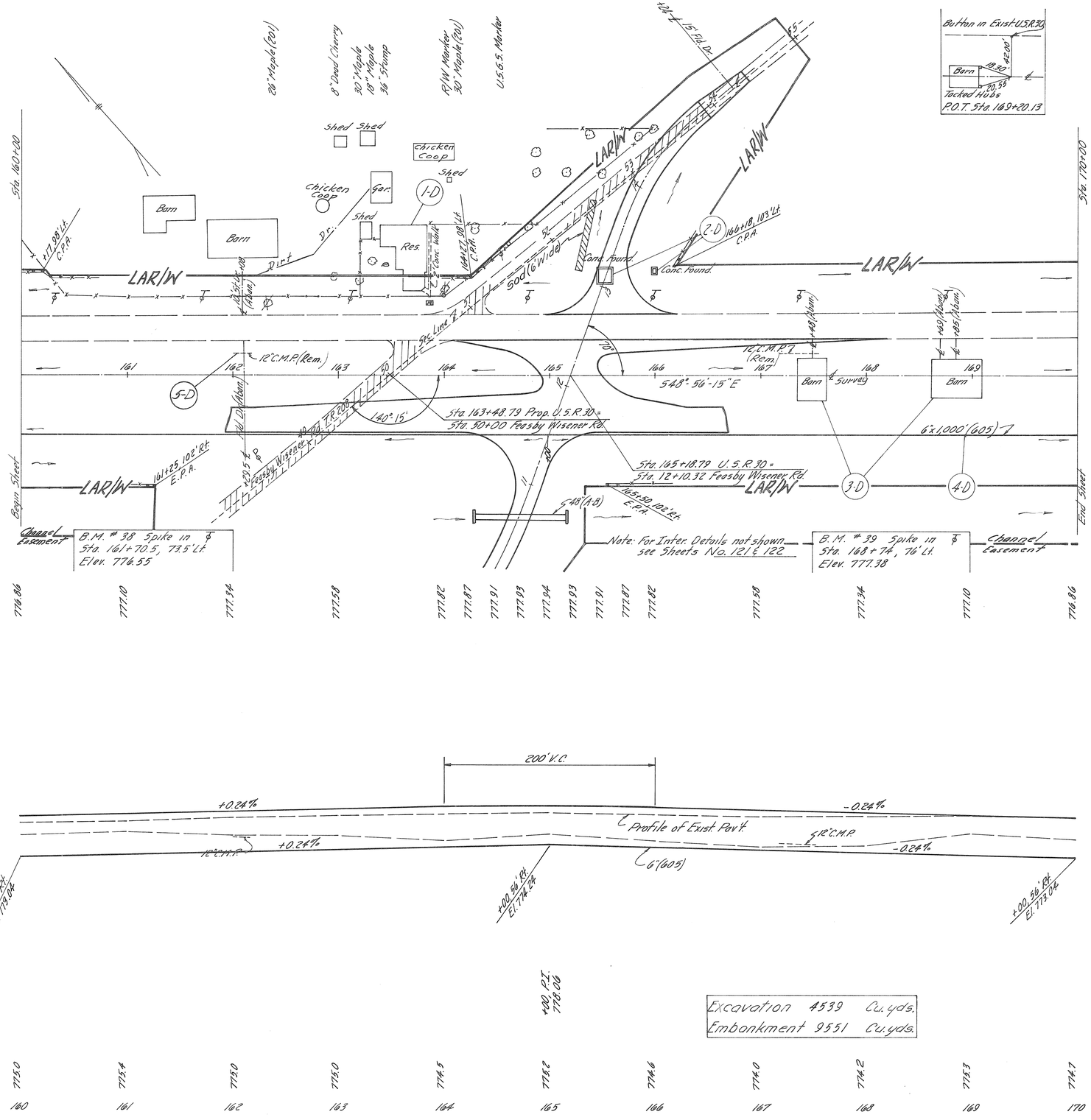
Excavation 3050 Cu.yds.
Embankment 7812 Cu.yds.

From Sta 140+00 to Sta. 150+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU-30- 0.00
VAN-30-0.00


Buttons in E.P.
P.O.T. Sta. 151+47.09
14" Apple
14" Stump (Col)
6" Apple
34" Maple (Col)
28" Maple (Col)
18" Maple (Col)
20" Maple
18" Maple (Col)
24" Maple (Col)
Bush
Bush
2" Evergreen
6" Evergreen
Bush (Col)
12" Apple
3" Pine
6" Apple
14" Maple
14" Cherry
14" Maple
12" Apple
Lilac Bush
Sta. 150+00
Sta. 160+00
Begin Sheet
End Sheet
Shed
Shed
Shed
Shed
Shed
Coop
Sta. 153+62, 98' Lt. E.P.A.
Pigeon Coop
Corn Crib
Gar.
Barn
Res.
Stone Walk
Walk
Board Fence
1-A
2-A
3-A
4-D
1-D
2-D
3-D
LAR/W
12" C.M.P. (Abdn.)
12" C.M.P. (Abdn.)
12" C.M.P. (Abdn.)
12" C.M.P. (Abdn.)
12" C.M.P. (Abdn.)
12" C.M.P.
12" C.M.P.
12" C.M.P.
12" C.M.P.
12" C.M.P.
12" C.M.P. (Abdn.)
12" C.M.P. (Abdn.)
12" C.M.P. (Abdn.)
12" C.M.P. (Abdn.)
12" C.M.P. (Abdn.)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



Excavation 4539 Cu. yds.
Embankment 9551 Cu. yds.

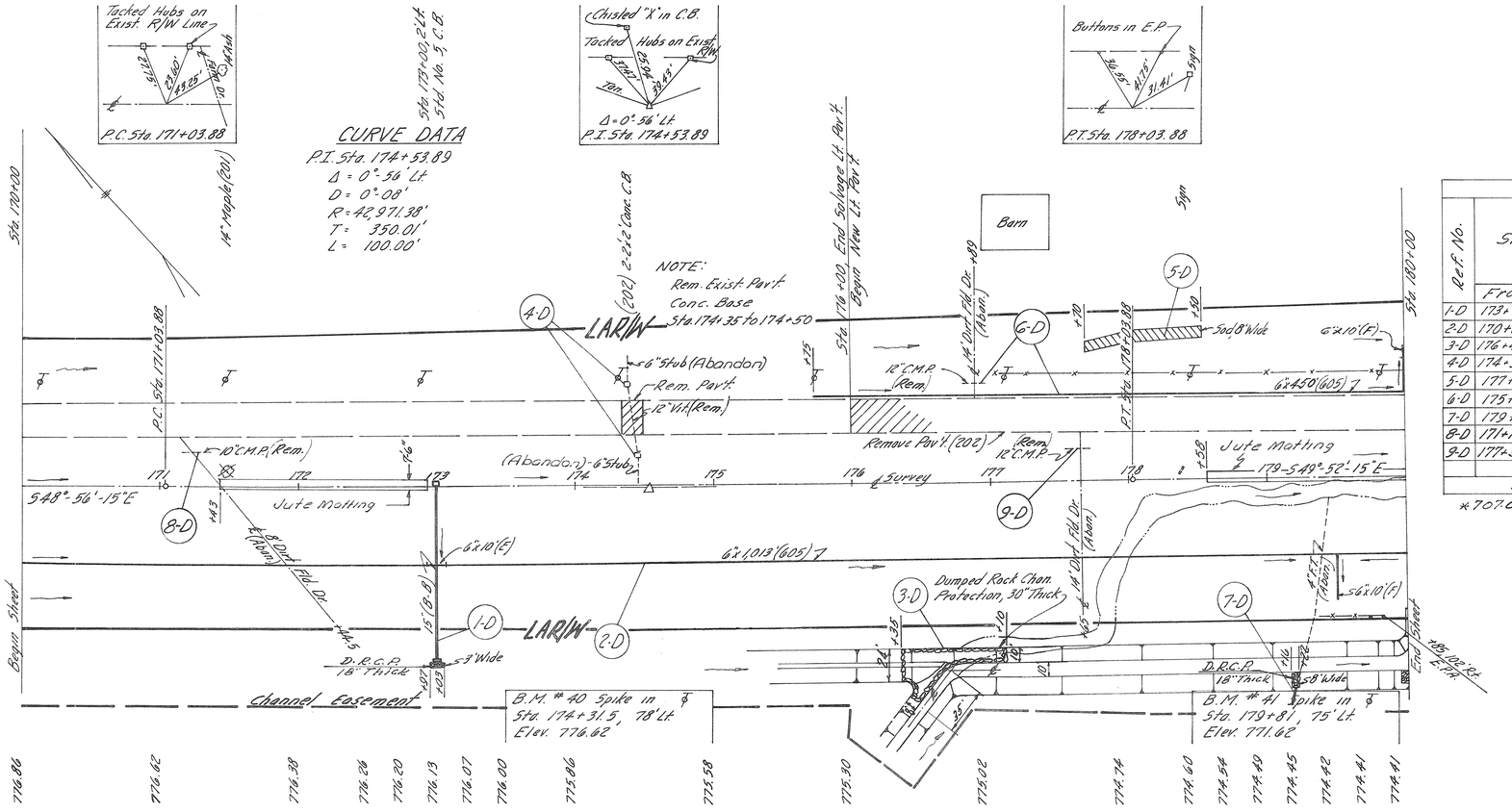
SHEET SUMMARY

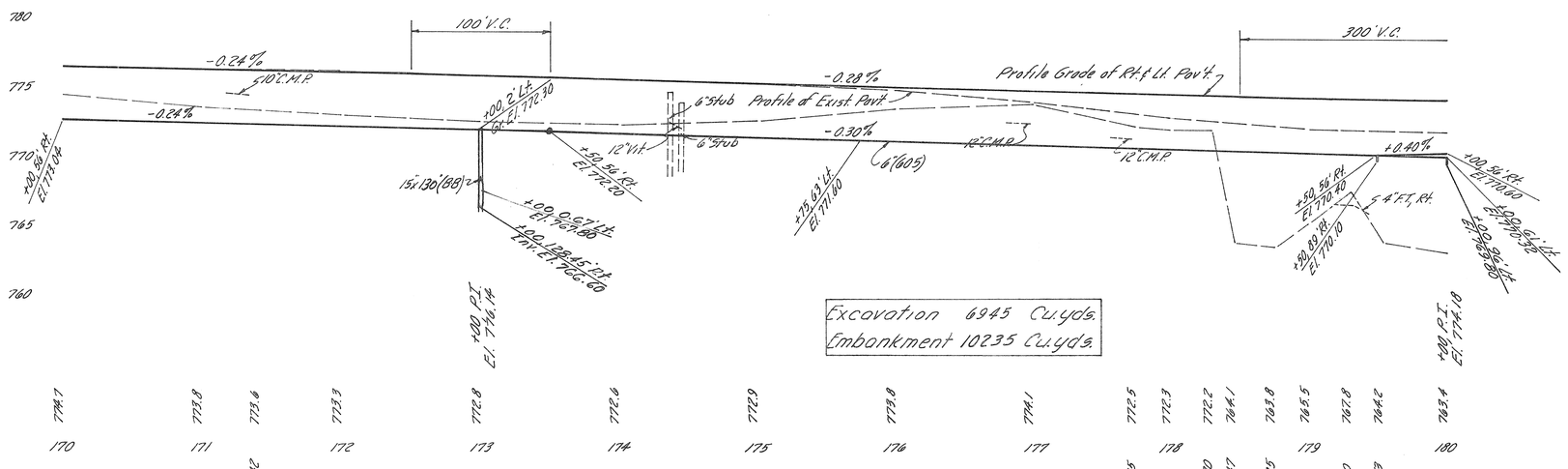
Ref. No.	Station From	Station To	Side	202 Pipe Rem. or Under	202 Building Removed	202 Rem. Part of Exist. Struct.	202 Remove Sidewalk	605 6" Shallow Pipe Underdrain
				Lin.Ft.	Lump	Lump	S.Ft.	Lin.Ft.
1-D	163+60	163+90	Lt.		Lump		50	
2-D	165+40	166+05	Lt.		Lump			
3-D	167+30	169+10	℄	36	** Lump			
4-D	160+00	170+00	Rt.					1,000
5-D	162+01.5	162+17.5	Lt.	16				
Totals				52	Lump	Lump	50	1,000

* Parcel No. 25-WL
** Parcel No. 26-WL

From Sta. 160+00 to Sta. 170+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





SHEET SUMMARY

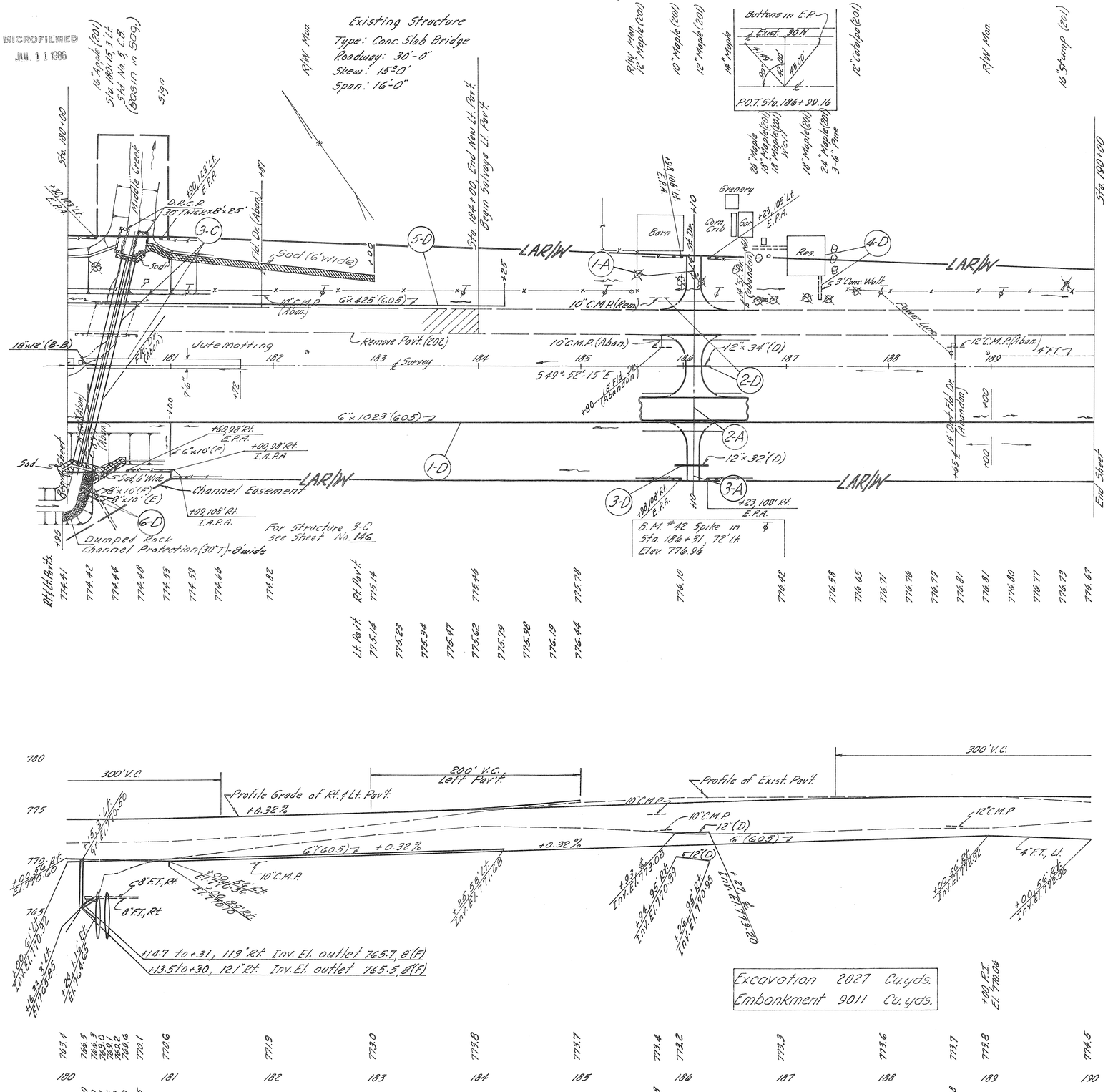
Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15"	6"	6"	601 Rock Channel Protect.	602 Conc. Masonry	604 Inl. No. 5 C.B.	605 Corrugated Pipe Underdrain	667 Jute Matting	202 C.B. Removed	660 Sodding	Bends & Branches	202 Pipe Rem. 15" & Under
										HW-E					
				B-B		E	F	Cu.Yd.	Cu.Yd.	Ea.	Lin.Ft.	S.Y.	Ea.	S.Y.	Each	Lin.Ft.
1-D	173+00		Rt.	130			1	0.26	1		125					
2-D	170+00	180+00	Rt.			10*	10			1,013					Tee	
3-D	176+45	177+30	Rt.					160								
4-D	174+38	174+45	Lt.									2				48
5-D	177+70	178+50	Lt.											71		
6-D	175+75	180+00	Lt.				10			450					Tee	16
7-D	179+20		Rt.				10	3								
8-D	171+17.5	171+33.5	Lt.													16
9-D	177+56	177+72	Lt.													16
Totals				130		10	30	164	0.26	1	1463	125	2	71		96

*707.01

From Sta. 170+00 to Sta. 180+00 (Van Wert County)

MICROFILMED
JUL 1 1 1985

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



From Sta. 180+00 to Sta. 190+00 (Van Wert County)

SHEET SUMMARY

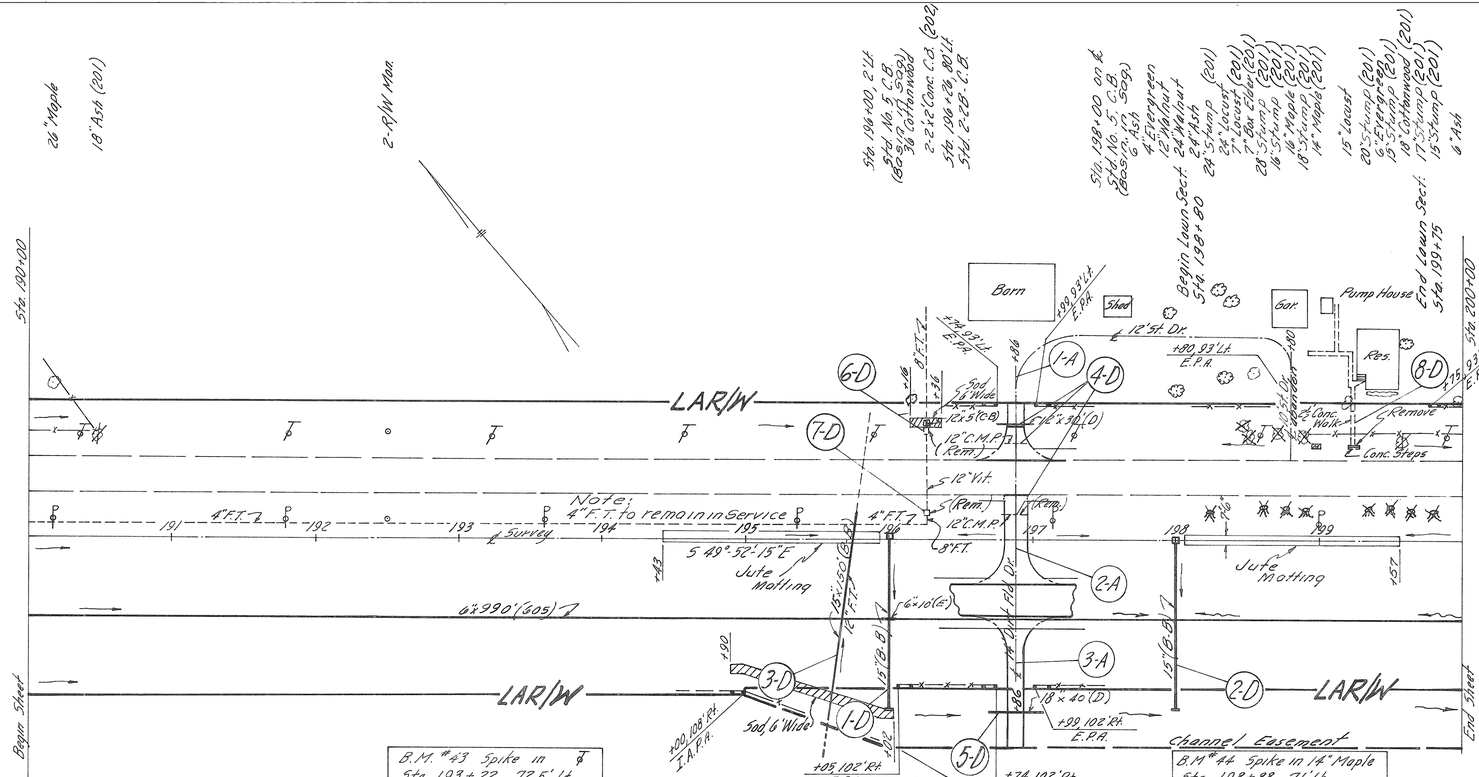
Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 60"	18"	12"	8" D	8" E	8" A	601 Rock Channel Protect.	602 Concrete Masonry HW-3	604 Std. No. 5 C.B.	605 Shallow Pipe Underdrain	660 Seeding	667 Jute Matting	202 Remove Structure	Sidewalk Removed	202 Bends & Branches	Building Removed	Pipe Culvert & Under Channel Excavation	203 Excavation
				A-B	B-B	D	E	A	F	Cu.Yd.	Cu.Yd.	Each	Lin.Ft.	S.Yd.	S.Yd.	Lump	S.Ft.	Each	Lump	L.F.	Cu.Yd.
3-C	180+31		Rt.Lt.	*24	12					76	33.2	1		206	250	Lump		Tee			30
1-D	180+00	190+00	Rt.					10					1023					Tee			
2-D	185+93	186+27	Lt.				34													20	
3-D	185+94	186+26	Rt.				32														
4-D	187+31	187+34	Lt.													72			*Lump		
5-D	180+00	184+25	Lt.										425								
6-D	180+30		Rt.				20		20									2-30°			
Totals				424	12	66	20	10	20	76	33.2	1	1,448	206	250	Lump	72		Lump	20	30

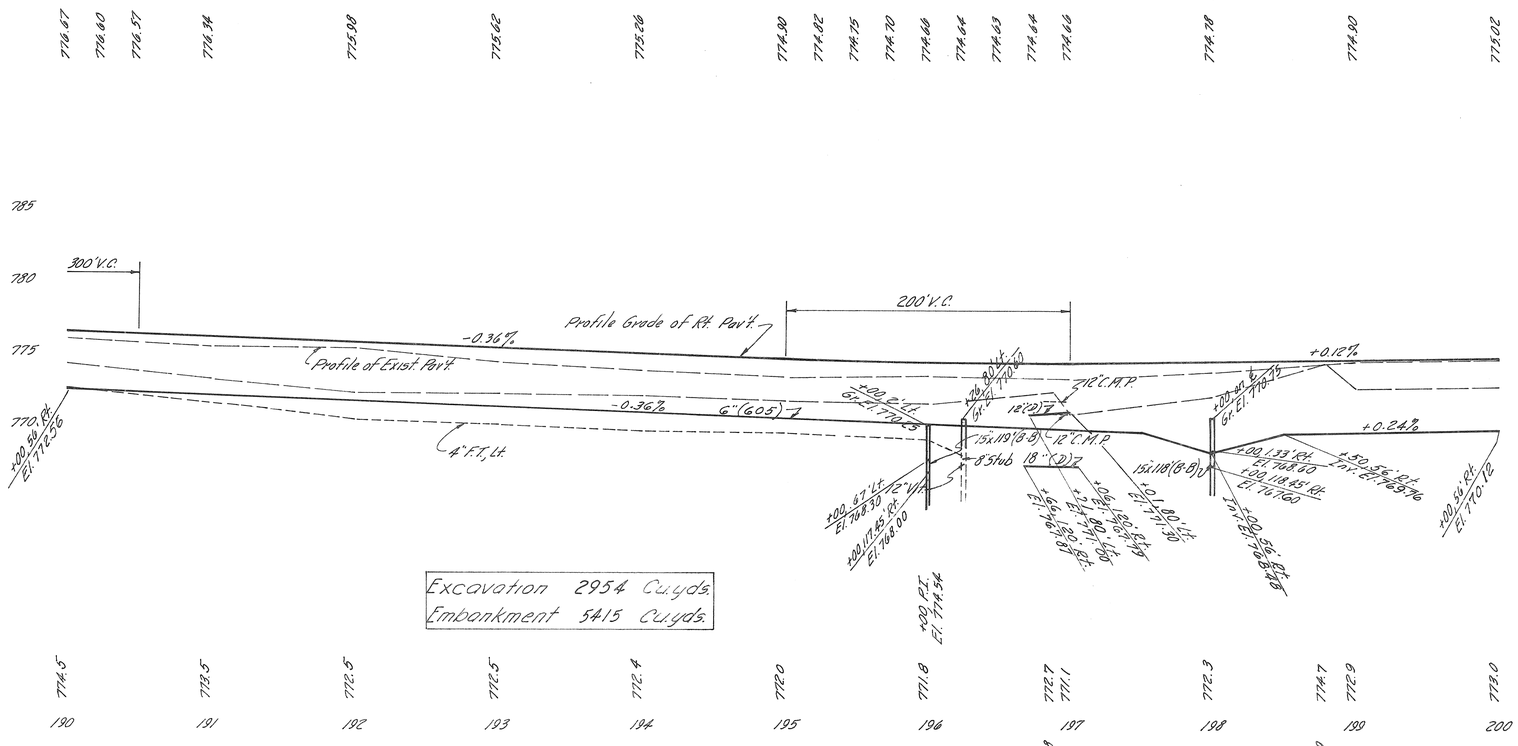
* 706.02
** Parcel No. 27-WL

SIDE APPROACHES

Ref. No.	Station	Side	301 Brm. Aggre. Base	304 Aggre. Base	310 Subbase	409 Cover Aggre.	409 Bitum. Mat'l.	Width	Length	Remarks
			Cu.Yd.	Cu.Yd.	Cu.Yd.	C.Y.	Gal.			
1-A	186+10	Lt.		11.31				12'	53'	Fld. Dr.
2-A	186+10	Rt.	10.03	20.16	10.08	96	36.1	16'	60'	Crossover
3-A	186+10	Rt.		12.19				12'	57'	Fld. Dr.
Totals			10.03	43.66	10.08	96	36.1			

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





Excavation 2954 Cu.yds.
Embankment 5415 Cu.yds.

From Sta. 190+00 to Sta. 200+00 (Van Wert County)

SHEET SUMMARY

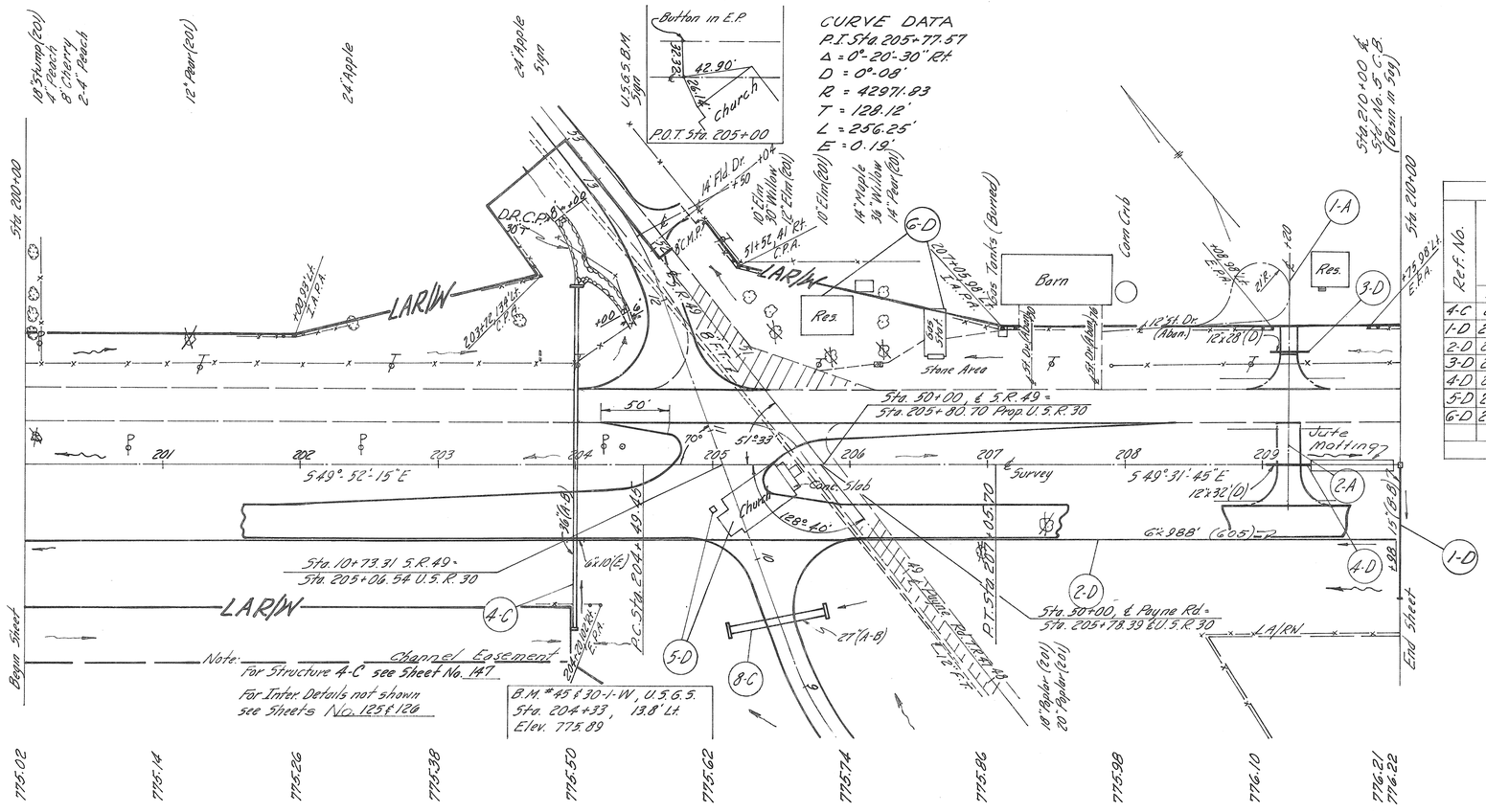
Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 15"	12"	18"	12"	6"	602 Concrete Masonry	604 Std. No. 5 C.B.	605 6" Shallow Pipe Underdrain	660 Sodding	667 Jute Matting	804 Std. No. 2-2'-0" C.B.	202 C.B. Removed	Sidewalk Removed	Rem. Part of Exist. Storm Sewer Pipe	Storm Sewer Pipe, 8" Under	Bends & Branches
									HW-E										
	From	To		B-B	C-B	D	D	E	Cu.Yd.	Ea.	Lin.Ft.	S.Yd.	S.Yd.	Ea.	Ea.	S.Ft.	Lump	L.F.	Each
1-D	196+00		Rt.	119					0.26	1		74	125						
2-D	190+00	200+00	Rt.	118					0.26	1	990		125						Double Tee
3-D	195+45±	195+80±	Rt. & Lt.	150															
4-D	196+72	197+00	Lt.				30												32
5-D	196+66	197+06	Rt.			40													
6-D	196+16	196+36	Lt.		5							13		1	1				
7-D	196+26		Lt.												*1				
8-D	199+23		Lt.													63	Lump		
Totals				387	5	40	30	10	0.52	2	990	87	250	1	2	63	Lump	32	

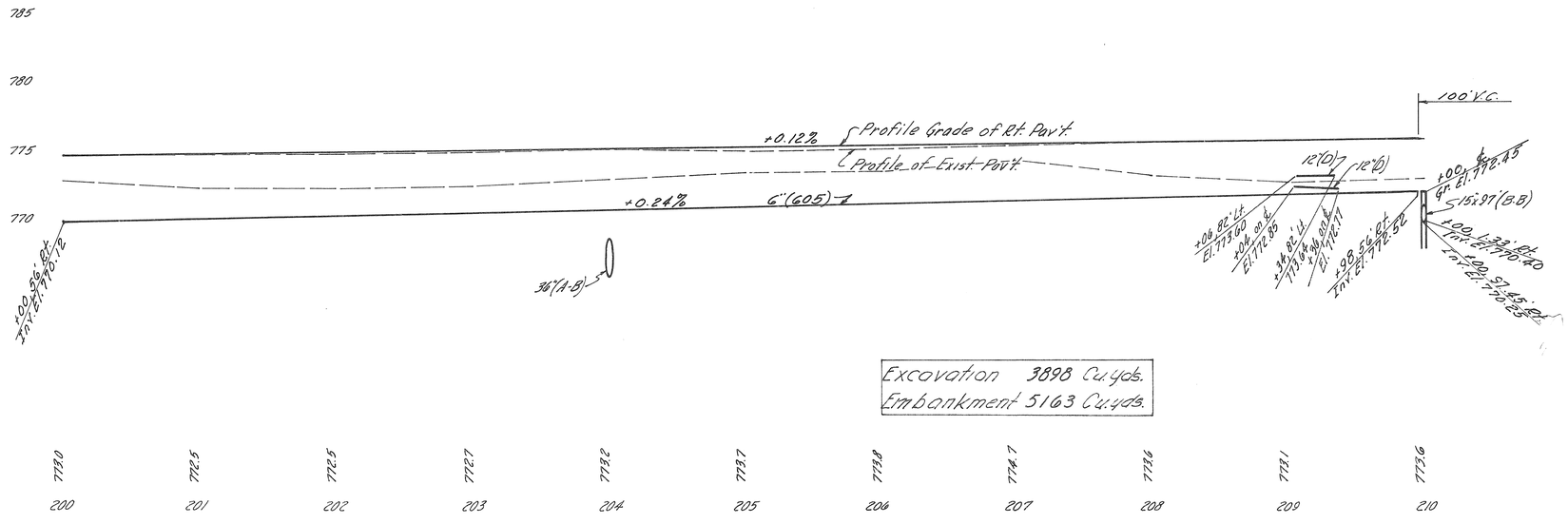
SIDE APPROACHES

Ref. No.	Station	Side	301 Brm Aggre Base Cu. Yd.	304 Aggre Base Cu. Yd.	310 Subbase Cu. Yd.	409 Cover Aggre Brm. Mat. C.Y.	409 Cover Aggre Brm. Mat. Gal.	Widths	Lengths	Remarks
1-A	196+86	Lt.	2.55	9.53	2.55	.24	9.2	12'	40'	Res. Dr.
2-A	196+86	℄	9.02	18.33	9.17	.86	32.4	16'	60'	Crossover
3-A	196+86	Rt.		19.95				12'	92'	Fld. Dr.
Totals			11.57	47.81	11.72	1.10	41.6			

*Connect 8" to 12" V.t.
• 707.01

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





Excavation 3898 Cu.yds.
Embankment 5163 Cu.yds.

From Sta. 200+00 to Sta. 210+00 (Van Wert County)

SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 36"	15"	12"	6"	601 Dump Rock Channel Protection	602 Concrete Masonry HW-E&HW-1	604 Sta. No. 5 C.B.	605 6" Stor. Lead underdrain	Spec. Clean Proj.	667 Jute Matting	202 Building Removed	Portion of Exist. Str. Removed	Disposal of Tanks	Spec.
				A-B	B-B	D	E	Cu.Yd.	Cu.Yd.	Cu.Yd.	Lin.Ft.	Each	S.Yd.	Lump	Lump	Lump	
4-C	204+00		Rt.	250#				68	0.59	6.5							
1-D	210+00		Rt.		97				.26		1		172				
2-D	200+00	209+98	Rt.				*10				988						
3-D	209+06	209+34	Lt.			28											
4-D	209+04	209+36	℄			32											
5-D	204+90	205+70	Rt.									1		•	Lump	Lump	
6-D	205+60	207+30	Lt.											Lump	Lump	Lump	Lump
	Totals			250	97	60	10	68	7.35	1	988	1	172	Lump	Lump	Lump	

* 707.01 ‡ 706.02, 706.08, 03 per plan.

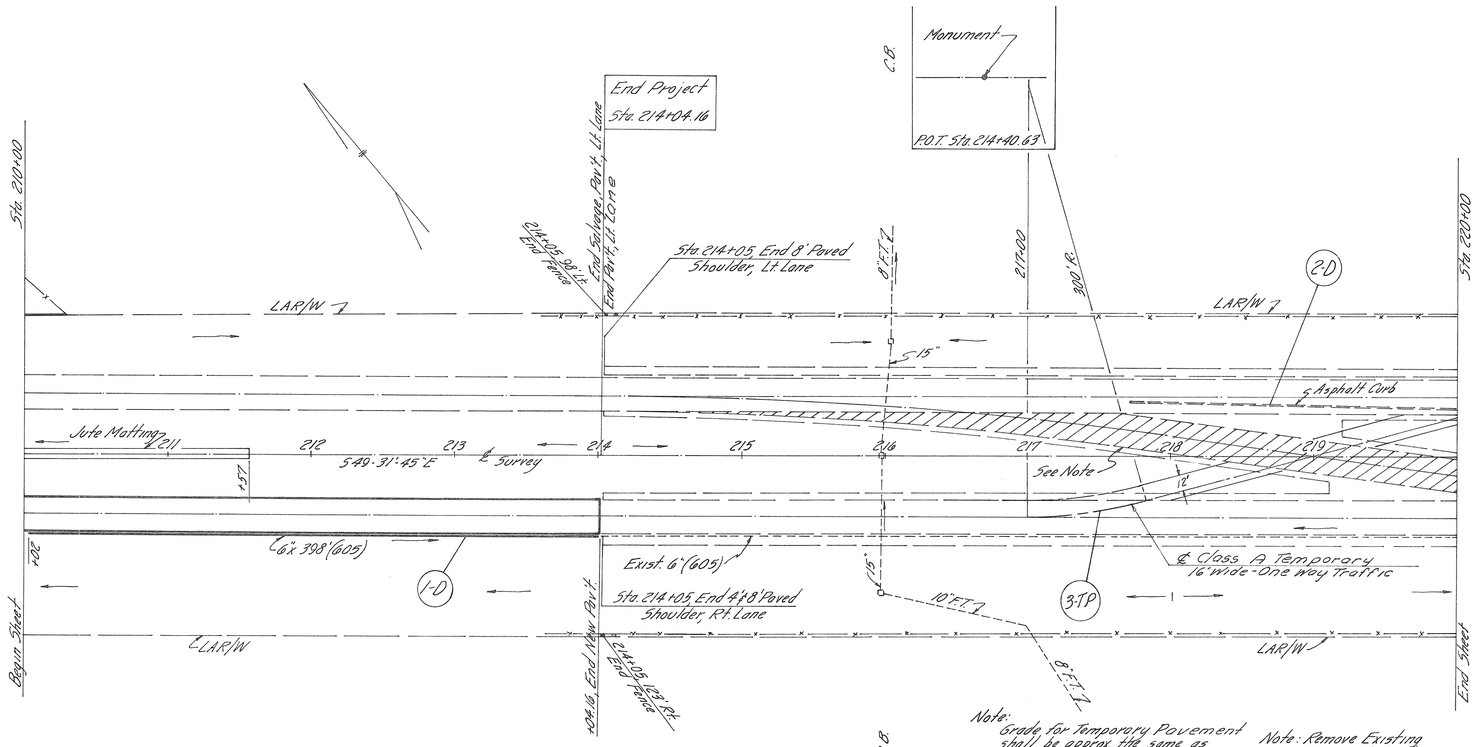
** Including gasoline pumps, and etc. Located within the R/W Parcel No. 29-WL

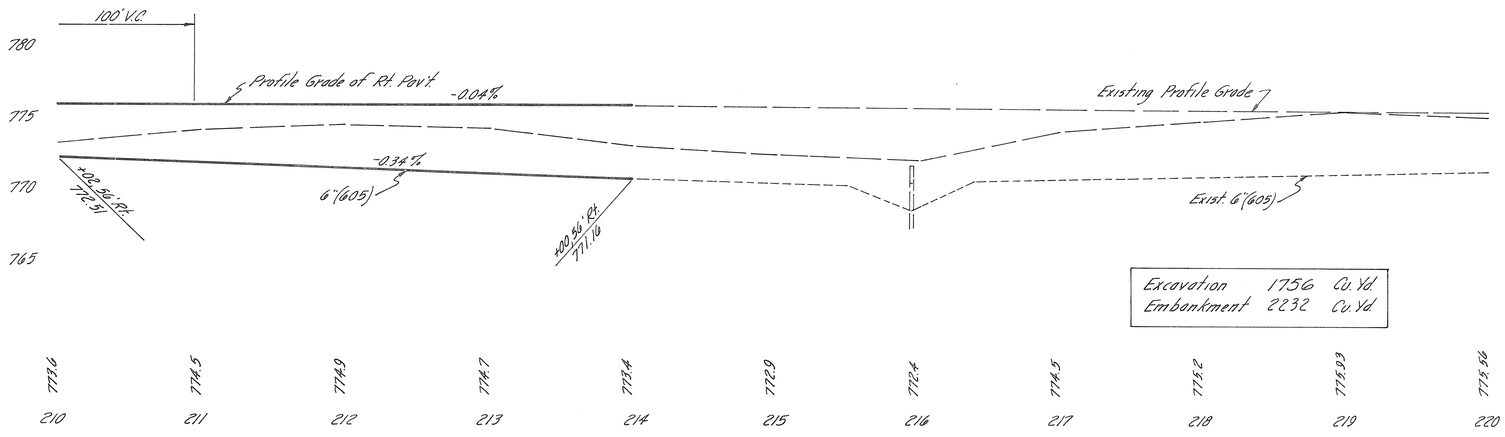
• Parcel No. 28-WL

SIDE APPROACHES

Ref. No.	Station	Side	301 Bitum. Aggre. Base Cu.Yd.	304 Aggre. Base Cu.Yd.	310 Subbase Cu.Yd.	409 Cover Aggre. Bitum. Mat. C.Y.	409 Cover Aggre. Bitum. Mat. Gal.	Width	Length	Remarks
1-A	209+20	Lt.	2.55	11.31	2.55	.24	92	12'	46'	Res. Dr.
2-A	209+20	℄	9.02	18.33	9.17	.86	323	16'	60'	Crossover
	Totals		11.57	29.64	11.72	1.10	415			

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





SHEET SUMMARY

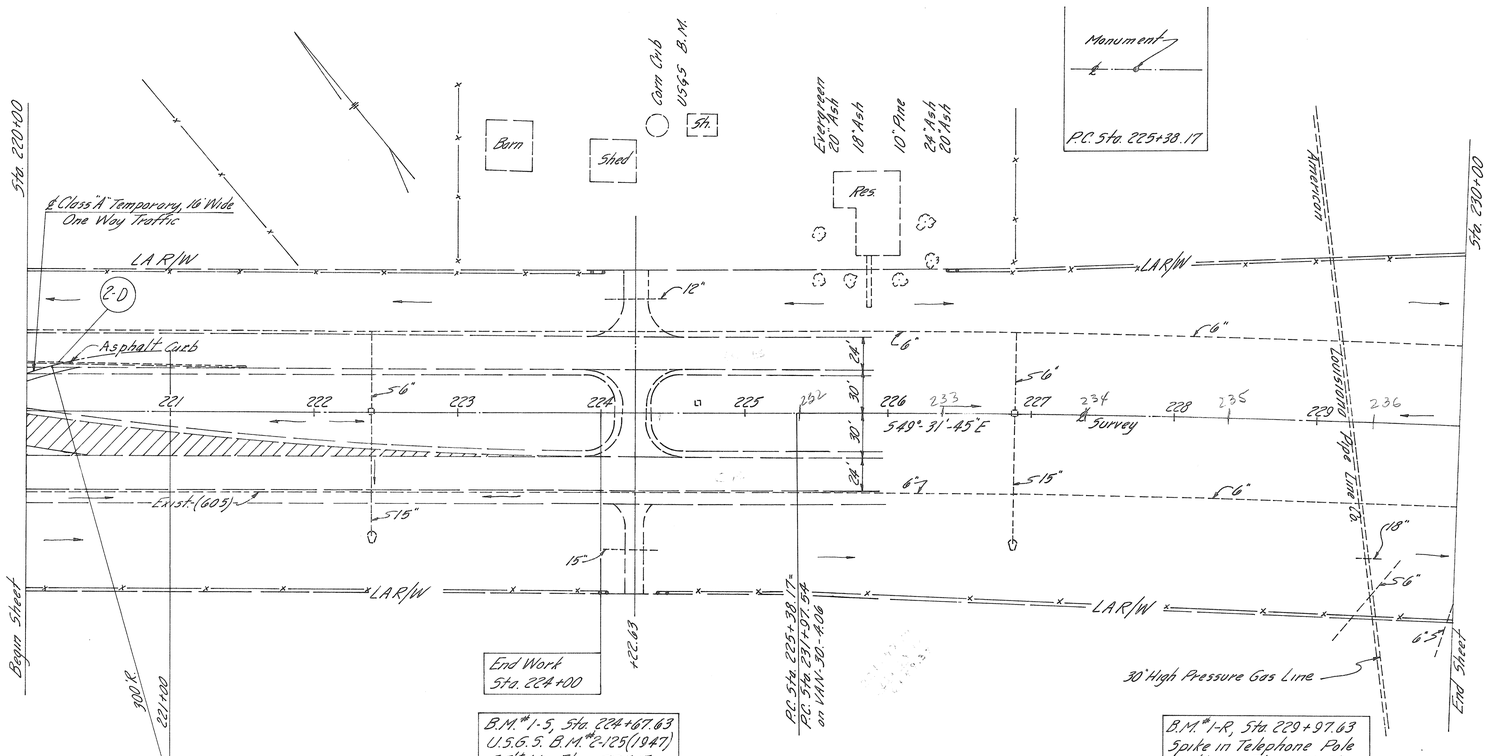
Ref. No.	Station From	Station To	Side	202 First Line Removal		605 6" Station Type Underdrain		
				Lin. Ft.		Lin. Ft.		
1-D	210+02	214+00	Rt.			398		
2-D	217+70	221+51	Lt.	381				
Totals				381		398		

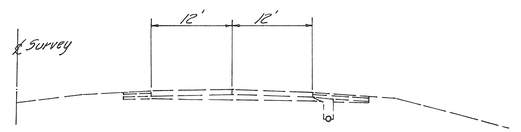
(615) TEMPORARY PAVEMENT

Ref. No.	Station From	Station To	Side	Class A Temporary Pavement	Temporary Roads
				Sq. yds.	Lump
3-TP	217+00	220+00	℄	425	Lump
Total				425	Lump

From Sta. 210+00 to Sta. 220+00 (Van Wert County)

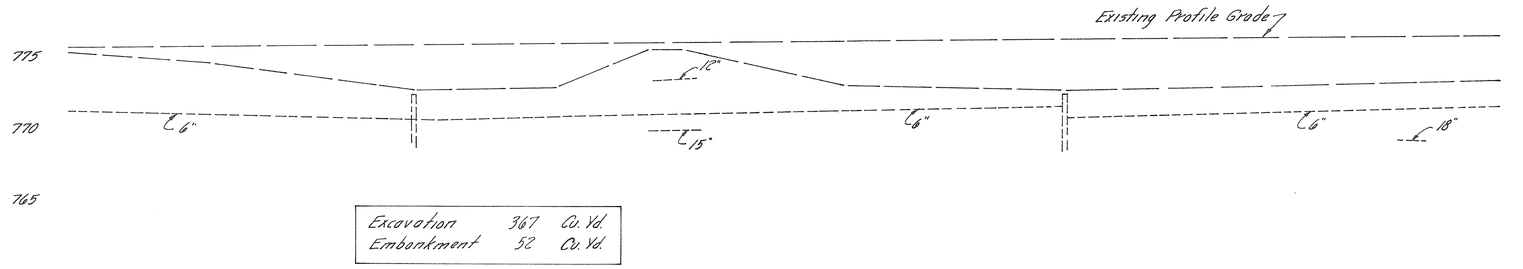
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





TYPICAL SECTION OF ADJOINING PAVEMENT

9" Reinforced Portland Cement Concrete
on a variable depth subbase



Excavation	367	Cu. Yd.
Embankment	52	Cu. Yd.

775.56	774.8	773.6	773.1	773.2	773.3	774.6	775.0	774.0	774.6	773.5	773.4	773.2
			+40.03		+40.03	+21.63	+12.63			+38.17		+40.03
220	221	222		223		224			225		226	227

773.3	773.5	773.7	773.0	
227	228	229	230	

Quantities carried to Sheet No. 40

From Sta. 220+00 to Sta. 230+00 (Van Wert County)

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00
VAN.-30-0.00

SEEDING WIDE	SEEDING SQ.YD.
223	
	1300
227	
	290
0	
1590	Sheet Total

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
52	35		
		104	58
56	25		
		31	11
16	0		

L/A — 767.0 — 8:1 — 1+00, 772.8 — 6:1 — 773.0 — L/A

Sta. 0+74.65, Begin Project

L/A — 766.9 — 0+48, 773.0 Section on skew, State Line Rd. — 772.9 — L/A

F.L. of Open Ditch — Exist. "X" Over — 0+25, 771.3 Section on skew, State Line Road

0+09, 773.9 Section on skew

℄ Profile of State Line Road

0+00, Begin Work, 774.0

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

Pau. Co. STA. 0+00 to STA. 1+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
200	
	2266
208	
	2361
217	
	2427
220	
	2450
221	
	2466
223	
11970	Sheet Total

Sta. 1+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

776.27 776.16 776.86

L/A — 3:1 — 768.0 — 8:1 — +00.14' Lt. Inv. El. 771.00 — 12"x60' Type "B" Conduit with Class "B" Bedding — 6+00 773.1 — +00.25' Rt. Inv. El. 771.00 — +00.26' Rt. Std. No. 6 C.B. Mod. Gr. El. 776.59 Inv. El. 771.20 — 6:1 — 774.0 — L/A

Std. No. 6 C.B. Mod. Concrete apron & curb shall be omitted. Apron around casting to be same as paved shoulder.

Paved Shoulder

775.97 776.43 776.81 776.62

L/A — 767.8 — 773.8 — L/A

5+00
772.4

775.82 776.11 776.49 776.30

L/A — 767.6 — 773.6 — L/A

4+00
773.0

775.68 775.82 776.20 776.01

L/A — 767.4 — 773.4 — L/A

3+00
772.0

775.58 775.58 775.94 775.75

L/A — 3:1 — 767.12 — 8:1 — 6:1 — 773.2 — L/A

2+00
772.7

ENDAREA CUT	ENDAREA FILL	CU. YD. CUT	CU. YD. FILL
121	117		
		422	430
107	115		
		394	309
106	52		
		387	211
103	62		
		376	196
100	44		
		281	146
52	35		

Sta. 1+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

Pau. Co. STA. 2+00 to STA. 6+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
181	
	2011
181	
	2011
181	
	2017
182	
	2023
182	
	2056
188	
	2156
200	Sta. 6+00
12274	Sheet Total

End Sod (4' wide) Sta. 11+03

Begin Sod (4' wide) Sta. 10+97

15" x 101' Type "B" conduit with class "B" bedding

+00, 99.45' Lt. Inv. El. 770.00

+00, 0.61' Rt. Inv. El. 771.00

+00, 2' Rt. Std. No. 5 C.B. Gr. El. 776.00 Inv. El. 771.00 (Basin in sag)

Corr. Removed Septic Tank

Pau. Co. STA. 7+00 to STA. 12+00.

	END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
12+00	99	377		
			517	1313
11+00	180	332		
			659	1270
10+00	176	354		
			676	1298
9+00	189	347		
			628	1098
8+00	150	246		
			541	813
7+00	142	193		
			487	574
Sta. 6+00	121	117		

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
181	2011
181	1871
181	140
181	2011
181	2011
181	2011
181	2011
10055	Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

L/A

780.51 777.25 4:1 7:1 6:1 770.2 17+00 778.1 776.2

780.23 780.23 777.80 310 8" C.M.P. (Aban.) 770.0 16+00 777.6 776.0

777.87 15+07 Drive Right (Abandon) 777.3 769.9 775.9

780.01 778.95 777.23 8" C.M.P. (Aban.) 769.8 15+00 777.2 775.8

780.00 778.67 777.00 6" (605) Sta. 13+75.8 Lt. Inv. El. 775.60 769.6 14+00 777.00 775.6

780.29 778.39 776.75 4:1 6:1 10" Conc. (Rem.) 769.4 13+00 777.2 775.4

Sta. 12+00 Sta. 12+00

END AREA Cut	END AREA Fill	C.U. Y.D. Cut	C.U. Y.D. Fill
52	356		
		200	1319
56	356		
		194	1216
57	350		
		14	89
51	336		
		209	1259
62	344		
		233	1426
64	426		
		302	1487
99	377		

Pau. Co. STA. 13+00 to STA. 17+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
181	2011
181	2011
181	2011
181	2011
181	2011
181	2011
181	12066

Sta. 17+00 Sheet Total

End Sod (6' wide) Sta. 23+03

Begin Sod Sta. 22+97 (6' wide)

℄ 15" x 97' Type "B" conduit with class "B" bedding

+00, to Std. No. 5 C.B. Gr. El. 778.75 Inv. El. 774.00

+00, 87.45' Lt. Inv. El. 773.50

+00, 4.33' Lt. Inv. El. 774.00

Sta. 22+50 End Salvage, Rt. Pav't.

Begin New, Rt. Pav't.

℄ 10" Vit. (Rem.)

6' (605)

+70.80' Rt. 777.80

Sta.	Elevations
23+00	780.7
22+00	780.0
21+00	779.2
20+00	778.5
19+00	778.5
18+00	778.0
Sta. 17+00	

Sta.	Elevations
782.19	779.00
781.91	779.00
781.63	778.75
781.35	778.50
781.07	778.25
780.79	778.00

Sta.	Elevations
772.5	777.6
772.0	777.2
771.5	777.0
771.0	776.8
770.6	776.6
770.4	776.4

END AREA CU. YD. CUT	FILL	CUT	FILL
198	173		
		641	748
148	231		
		446	983
93	300		
		287	1224
62	361		
		196	1309
44	346		
		133	1396
28	408		
		148	1415
52	356		

Sta. 17+00

Pau. Co. STA. 18+00 to STA. 23+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD
181	
	250
	2011
181	
	2011
181	
	2011
181	
	2011
181	
	2011
181	
11816	Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

End 12"(D)
Sta. 29+17
Elev. 778.76

+00, ℄ Dr. Lt.

6:1

788.5

Corr. for Dr. Rt. & ℄ Lt.

Begin 12"(D)
Sta. 28+83
Elev. 778.94

+00, ℄ Cross Over
El. 772.9

780.20

783.74
29+00
781.0

End 12"(D)
Sta. 29+17
Elev. 780.54

Begin 12"(D)
Sta. 28+83
Elev. 780.46

6:1

6:1

+00, ℄ Dr. Rt.

780.0

Corr. for Dr. Rt. & ℄ Lt.

L/A

780.33

777.3

783.59
28+00
780.6

779.6

780.00

776.5

783.31
27+00
782.1

779.2

779.25

775.0

783.03
26+00
781.2

778.8

779.50

774.0

782.75
25+00
781.8

778.4

779.25

6:1

5:1

8:1

8:1

6:1

773.0

782.47
24+00
781.3

778.0

Sta. 23+00

Sta. 23+00

END AREA CUT	END AREA FILL	C.U.Y.D. CUT	C.U.Y.D. FILL
35	208		
		0	62
		204	652
75	144		
		339	461
108	105		
		381	430
98	127		
		450	433
145	107		
		524	504
138	165		
		622	626
198	173		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Pau. Co. STA. 24+00 to STA. 29+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00*
VAN.-30-0.00*

SEEDING WIDE	SEEDING SQ YD
153	
	1700
153	
	1700
153	
	1700
170	
	1700
153	
	1700
153	
	1856
181	
8486	Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A

3:1 6:1 — 778.5 — 782.67 — 34+00 — 781.93 — 6:1 — 778.0 — L/A

L/A — 780.00 — 782.91 — 33+00 — 782.06 — 778.7 — 778.25 — L/A

L/A — 780.25 — 783.15 — 32+00 — 782.08 — 778.9 — 778.5 — L/A

Corr. for Dr. Lt. & ℄ — L/A — +50, ℄ Dr. Lt. — 782.82 (Outlet Ditch) — 12" C.M.P. (Abdn.) — 783.27 — 31+50 Drive Left — 782.14 — 778.75 — L/A Corr. for Dr. Lt. & ℄

End Lawn Section
Sta. 31+40, Lt.

L/A — 781.00 — 783.39 — 31+00 — 782.26 — 779.0 — L/A

Begin Lawn Section
Sta. 30+15, Lt.

L/A — 6:1 — 779.8 — 780.75 — 783.63 — 30+00 — 781.9 — 6:1 — 779.5 — L/A

Sta. 29+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Pau. Co. STA. 30+00 to STA. 34+00.

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
95	103		
		359	413
99	120		
		337	487
83	143		
		0	0
		206	720
28	246		
		89	887
20	233		
		102	817
35	208		

Sta. 29+00

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
-	278
162	
	808
161	
	1784
160	
	1773
159	
	1761
158	
	1750
157	
	1723
153	Sta. 34+00
9321	Sheet Total

Corr. for Dr. Rt. & Lt.

End 15"(D)
Sta. 39+62
Elev. 777.38

Begin 15"(D)
Sta. 39+28
Elev. 777.44

+45 & Dr. Lt.

3:1 6:1

777.4

780.10
Ex. 33' Rt.

781.42
39+45 Drive Left
781.0

End 18"(D)
Sta. 39+62
Elev. 775.47

+45 & Dr. Rt.

775.5

Begin 18"(D)
Sta. 39+28
Elev. 775.49

Corr. for Dr. Rt. & Lt.

L/A

778.10

777.5

10" Vit. (Remove)

781.47
39+00
781.3

6:1

775.6

778.75

777.7

10" Vit. (Remove)

781.71
38+00
781.5

+50, 33' Rt.
Inv. El. 776.85

15" x 93' Type "B" conduit with class "B" bedding

776.0

End Sod
Sta. 38+53

+50, 93.35' Rt.
Inv. El. 776.10

Begin Sod (3' wide)
Sta. 38+47

+50, Lt.
Std. No. 5 C.B.
Gr. El. 778.40
Inv. El. 776.25
(Basin in Sag)

779.02

777.9

781.95
37+00
780.6

776.4

778.25

778.1

782.19
36+00
780.9

776.9

779.50

778.3

782.43
35+00
781.75

6:1

777.5

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
204	53		
		0	130
		388	73
262	35		
		1052	74
306	5		
		785	143
118	72		
		413	293
105	86		
		391	322
106	88		
		372	354
95	103		

Sta. 34+00

Pau. Co. STA. 35+00 to STA. 39+20.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

50

SEEDING WIDE	SEEDING SQ.YD.
167	
	1850
166	
	1839
165	
	1828
164	
	1816
163	
	163
162	
	828
162	
Sta. 39+45	
8324 Sheet Total	

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
123	250	446	956
118	266	441	1011
110	280	452	978
134	248	514	715
158	138	58	36
188	77	334	111
204	53		
Sta. 39+45			

L/A 3:1 6:1 776.5 780.55 780.46 780.27 777.85 44+00 777.2 780.27 780.18 779.99 6:1 35' 773.6 L/A

L/A 776.7 780.51 780.70 780.51 777.50 780.51 43+00 777.2 6:1 774.0 L/A

L/A 776.9 780.75 777.75 780.75 42+00 777.3 774.4 L/A

L/A 777.1 778.00 780.99 41+00 778.2 774.8 L/A

L/A 777.3 778.25 781.23 40+00 780.0 775.2 L/A

L/A 3:1 6:1 777.32 10" Vit (Rem) 778.42 39+91 Drive Left (Aban.) 775.3 L/A

Pau. Co. STA. 39+93 to STA. 44+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
176	1956
176	182
176	1956
176	1956
176	1984
181	1130
181	847
167	
	9647

ENDAREA CUT	ENDAREA FILL	CU. YD. CUT	CU. YD. FILL
107	220		
		317	781
64	202		
		0	70
		270	657
82	153		
		307	580
84	160		
		393	674
128	204		
		259	439
115	219		
		194	381
123	250		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

779.83 779.07 779.07 778.31 L/A 3:1 6:1 774.8 776.00 772.8 6:1 L/A

49+00
775.8

Sta. 47+79
End 12"(D)
Elev. 775.04

780.07 779.31 779.31 778.55 L/A ℄ Drive Sta. 47+35 776.25 775.0 772.95 L/A

Corr. for Dr. Lt. Sta. 47+31 Begin 12"(D) Elev. 775.14 Corr. for Dr. Lt.

48+00
776.4

780.31 779.55 779.55 778.79 L/A 776.50 775.2 773.1 L/A

47+00
777.1

780.55 779.79 779.79 778.03 L/A 776.75 775.4 773.25 L/A

46+00
777.3

780.80 780.03 780.03 778.27 L/A 777.00 775.6 +37.22' Lt. Inv. El. 773.90 ℄ 6"(605) +00 1.33' Rt. Inv. El. 773.80 45+00 777.1 15"x 95' Type B conduit with class B bedding +00 Lt. Std. No. 5 C.B. Gr. El. 776.75 Inv. El. 773.80 +00 95.45' Rt. Inv. El. 773.54 773.4 End Sod (3' Wide) Sta. 45+03 Begin Sod (3' wide) Sta. 44+97 L/A

780.61 780.16 780.16 779.72 L/A 3:1 6:1 776.3 777.13 773.5 6:1 L/A

44+43.88
777.2

Sta. 44+00 Sta. 44+00

Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Pau. Co STA. 44+43.88 to STA. 49+00

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
176	1956
176	1956
176	282
176	1956
176	1956
176	1956

PAULDING & VANWERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
186	537
186	661
186	201
176	195
176	106
176	89
176	
7121	Sheet Total

END AREA CUT	END AREA FILL	C.U.Y.D. CUT	C.U.Y.D. FILL
20	620		
80	2085		
23	506		
113	1431		
38	267		
89	462		
50	191		
125	246		
98	101		

6:1 — 10"C.M.P.(Aban.) — Rem. Exist. S Structure — 10"C.M.P.(Aban.) — 771.93 — 774.14 — 58+58 — 769.4 — 765.7 — L/A

Structure 1-C 91"x58"x204' Type "A" conduit with class "B" bedding, 706.04 — 771.34 — 774.30 — 58+32 — 769.3 — Skewed Section

+53.69 102.14 Lt. Inv.El. 763.00 — Sta. 58+50 End Sod — 774.58 — 774.77 — 774.58 — 774.54 — 774.73 — 774.54 — +11.21 97.81 Rt. Inv.El. 763.41

6:1 — 771.50 — 768.0 — 58+00 — 768.7 — 775.14 — 775.33 — 775.14

6"(605) — 6"(B-B) — 772.00 — 770.0 — +00.91 Lt. Inv.El. 771.00 — +00.39 Lt. Inv.El. 771.20 — +00.29 76.16 Lt. Inv.El. 771.36 — 57+00 — 770.5 — 775.08 — 775.89 — 775.70 — 775.74 — 775.65 — 775.46 — 769.0

772.50 — 772.0 — Sta. 56+00 Begin Sod (6 wide) — 56+00 — 772.0 — 776.55 — 776.07 — 776.07 — 775.58 — 771.0

6:1 — 10 Vit.(Rem.) — 772.75 — 773.0 — 55+45.55 — 773.1 — 771.2

Sta. 55+00 — Sta. 55+00 — Pau. Co. STA. 55+45.55 to STA. 58+66.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING		END AREA		CU. YD.	
WIDE	SQ.YD.	CUT	FILL	CUT	FILL
		33	364		
				244	1322
		Ahead 99	350		
		Back 99	350		
				389	1308
				0	280
		126	407		
				400	1520
		90	414		
				356	1685
		102	496		
				311	1917
		66	539		
				159	2146
		20	620		

L.A. 220'
174
1811
152
L.A. 220'
1654
1044
L.A. 220'
167
1934
L.A. 220'
181
2039
186
2089
190
877
186
9360

Sta. 58+58 Sheet Total

Sta. 53+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6:1
767.4
(Aban.) 12" Vit. (Aban.)
6'Stub
6'Stub
6'Stub
5 Rem.
Rem.
6'Stub
773.17
1+00
768.7
770.25
(6'F.F.(Aban.)
15"x89' Type "B" conduit with Class "B" bedding
+00, 3' Rt.
Std. No. 5 C.B.
Gr. El. 770.00
Inv. El. 768.00
(Basin in Sag)
+00, 4.33' Lt.
Inv. El. 768.00
+00, 98.45' Lt.
Inv. El. 767.90
767.5
6:1

Ahead
0+00 = 62+93.30
Back

767.2
6'F.F.(Aban.)
772.98
0+00 = 62+93.30
769.1
770.75
766.9
Sta. 62+89.96, 102' Rt.
End 24" (A-B)
Elev. 766.90
Ahead
0+00 = 62+93.30 Back

Sta. 62+88.75, 102' Lt.
End 18" (A-B)
Elev. 767.18
Intersection, County Line Rd.
Sta. 62+56.75
Corr. for Inter.
Corr. for Inter.

771.00
6:1
767.0
+00, 94' Lt.
Inv. El. 768.30
5 6'F.F.(Aban.)
5 Rem.
772.95
62+00
768.9
766.4
Seeding Carried
on County Line Rd.
Sta. 62+23.61, 103' Lt.
Begin 18" (A-B)
Elev. 767.05
Sta. 62+19.75, 102' Rt.
Begin 24" (A-B)
Elev. 766.55
Seeding Carried
on Benton Twp. Rd.

Seeding Carried
on County Line Rd.
End Sod
Sta. 61+03
Seeding Carried
on Benton Twp. Rd.
+00, 4' Lt.
Gr. El. 770.00
766.8
Rem.
8'Stub
8'C.M.P.(Aban.)
5 8'F.F.(Aban.)
+26
5 Rem.
+00, 266.7' Lt.
Inv. El. 767.85
773.10
61+00
769.3
+00, 4' Lt.
Std. No. 5 C.B.
Gr. Elev. 770.00
Inv. El. 767.85
(Basin in Sag)
15"x99' Type "B" conduit with class "B" bedding
+00, 95.45' Lt.
Inv. El. 767.90
766.2
Begin Sod (7' wide)
Sta. 60+97

L/A
770.50
766.6
8'F.F.(Aban.)
5 8'F.F.(Aban.)
773.43
60+00
768.9
766.0
L/A
L/A
771.00
6:1
766.4
5 8'F.F.(Aban.)
5 8'F.F.(Aban.)
773.94
59+00
769.3
765.8
6:1
L/A

Sta. 58+00

Pau. Co. & Van. Co. STA. 53+00 to STA. 62+93.30 = 1+00

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
150	
	184
	1672
151	
	1683
152	
	1700
154	
	1745
160	
	1850
173	
	1928
174	Sta. 1+00
10394	Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Sta. 7+52
End 12"(D)
Elev. 772.76

Sta. 7+52 ℄
End 12"(D)
Elev. 773.26

+36' Drive Lt.

6:1

772.5

℄ 12" C.M.P. (Aban.)

Corr. for Drive Lt.

Sta. 7+20
Begin 12"(D)
Elev. 772.60

7+36
7+50
773.00

775.95
7+00
773.8

Sta. 7+20 ℄
Begin 12"(D)
Elev. 773.10

771.4

Corr. for Drive Lt.

L/A

772.80

772.0

Undisturbed

Sta 6+00
End Sod

775.47
6+00
774.1

771.0

772.00

770.0

774.99
5+00
772.2

770.5

771.50

768.0

774.51
4+00
770.7

770.0

Sta. 4+00
Begin Sod
(6' Wide)

771.00

767.8

774.03
3+00
769.7

769.2

Seeding Carried on County Line Rd.

770.50

767.6

773.55
2+00
768.9

℄ 6 FT.

768.6

END AREA CUT	END AREA FILL	C.U.YD. CUT	C.U.YD. FILL
70	113	0	28
		296	419
90	113		
		233	690
36	211		
		107	1119
22	393		
		106	1463
35	397		
		135	1507
38	417		
		131	1446
33	364		

Sta. 1+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 2+00 to STA. 7+00

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
143	1589
143	1589
143	1605
146	1628
147	1639
148	1655
150	9705

Sta. 7+00
Sheet Total

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A 6:1 773.55 773.23 776.88 772.0 13+00 773.8

L/A 773.7 773.50 777.00 772.5 12+00 773.8

L/A 773.85 773.75 777.05 773.0 11+00 774.4

L/A 774.0 774.00 776.85 773.5 10+00 774.1

L/A 773.5 773.75 776.76 772.8 9+00 773.9

L/A 6:1 773.0 773.50 776.41 6:1 772.1 8+00 773.8

End New Pavement, Lt Lane
Begin Salvage Pavement
Sta. 8+00

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
24	155		
		124	594
43	166		
		144	567
35	140		
		115	544
27	154		
		119	570
37	154		
		143	559
40	148		
		204	483
70	113		

Sta. 7+00

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140

STA. 8+00 to STA. 13+00

PAULDING & VANWERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
192	2111
188	2089
187	2073
186	2034
180	1834
150	1628
143	11764

Sta. 13+00 Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

776.16
772.0 6"Stub
6"Stub
8'FT.(plug)
12"Vit.(remove)
6"Stub
6"Stub
Rem.
Rem.
772.23
19+00
774.6
L/A
6:1
110 120 130 140 150
C/E
2:1 2:1
769.1

776.28
772.3
772.00
18+00
774.8
+00. 5.67' Lt.
Inv. El. 769.65
+00. 7' Lt.
Std. No. 5 C.B.
Gr. El. 771.75
Inv. El. 769.65
15"x125' Type 'B' conduit with class 'B' bedding
+00. 118.45' Rt.
Inv. El. 769.80
769.2
C/E

776.40
772.7
772.23
17+00
774.6
772.0

776.52
773.0
772.50
16+00
775.0
1/2" Per Ft.
2:1 2:1
770.5

776.64
773.2
772.73
15+00
774.2
6:1
771.0

776.76
773.4
773.00
14+00
773.9
6:1
771.50

END AREA CUT	END AREA FILL	CU. YD CUT	CU. YD FILL
166	45	639	169
179	46	565	243
126	85	480	339
133	98	339	456
50	148	209	567
60	158	156	580
24	155		

Sta. 13+00

STA. 14+00 to STA. 19+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
200	720
200	1487
196	2178
196	2156
192	2139
192	
	8675

23+00 — 774.4

L/A — 771.2 — 6"Stub — 8"F.T. — 12"C.M.P.(Remove) — 6"Stub — 6"Stub — Rem. — 771.23 — 775.68 — L/A — 768.6 — C/E

Remove C.B.
Connect 8"F.T. Through

22+67.60 — 774.5

L/A — 771.3 — 771.33 — 775.72 — L/A — 768.7 — C/E

22+00 — 775.3

L/A — 771.4 — 8"F.T. — 12"C.M.P.(Aban.) — 771.50 — 775.80 — L/A — 768.8 — C/E

21+00 — 775.4

L/A — 771.6 — 8"F.T. — 771.75 — 775.92 — L/A — 768.9 — C/E

20+00 — 775.4

L/A — 771.8 — 6:1 — 8"F.T. — 772.00 — 776.04 — 6:1 — L/A — 4" Per Ft. — 2:1 — 2:1 — 769.0 — C/E

Sta. 19+00

Sheet Total

Sta. 19+00

END AREA CUT	END AREA FILL	C.U.Y.D. CUT	C.U.Y.D. FILL
216	29		
		253	42
206	41		
		898	78
252	21		
		922	83
246	24		
		872	89
225	24		
		724	128
166	45		

STA. 20+00 to STA. 23+00

PAULDING & VAN WERT COUNTIES
PAU. -30-0.00-
VAN. -30-0.00-

SEEDING WIDE	SEEDING SQ. YD.
215	2388
215	2388
215	2388
215	2361
210	2322
208	2283
203	2293
200	16369

Sta. 23+00 — Sheet Total

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
178	198	372	1007
23	346	237	928
105	155	567	407
201	65	1031	157
356	20	1337	69
366	17	1191	65
277	18	913	87
216	29		

Sta. 23+00

STA. 24+00 TO STA. 30+00.

PAUL DING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
246	
	2672
235	
	2535
225	
	2444
215	
	1028
	4778
215	
11421	Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60

771.50 772.30 771.50

L/A 6:1 R/W 771.0 774.24 35+00 772.3 L/A C/E 767.4

190 180 170 160 150

L/A

771.75 772.55 771.75

R/W 162' 771.4 774.36 34+00 773.1 L/A C/E 767.5

772.00 772.80 772.00

L/A 771.7 774.48 33+00 773.2 L/A C/E 767.6

772.25 773.25 772.25

Seeding Carried on Krick Rd.

771.8 774.60 32+00 772.7 6"F.T. (Aban.) L/A C/E 767.7

Corr. for Inter.

Intersection of Krick Road
Sta. 31+22

Corr. for Inter.

774.72 31+00 772.9 6:1 1/4" per ft. L/A 2:1 C/E 6"F.T. (Aban.) 767.8

Sta. 30+00

STA. 31+00 to STA. 35+00

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
450	67		
		1517	200
369	41		
		1154	181
254	57		
		752	296
152	103		
		0	250
178	198	1222	1144

PAULDING & VANWERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
	255
	2750
	240
	2583
	-400
	225
	2711
	263
	2867
	253
	677
	253
	2105
	246
	13293

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
417	94		
		1639	267
		0	12
468	50		
		0	234
			215
383	66		
		1389	219
367	52		
394	52		
		1446	204
414	58		
		349	51
370	57		
		1153	175
450	67		

Sta. 35+00 Sheet Total

STA. 35+75.93 to STA. 40+00.

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

SEEDING WIDE SQ. YD.
228
557
249
2056
251
2811
255
5424 Sheet Total

Seeding to Sta. 43+73.84

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

150 160 170 180 190 200

C/E

See Channel Sections Blue Creek

774.15
42+39
770.5

L/A

766.42

Sta. 42+35.74, 31.71' Lt.
End 12" F
Outlet El. 767.70

See Channel Sections Blue Creek

774.09
42+18
759.0

766.48

R/W 238' L/A 175'

767.5

6:1

2:1

774.03
41+95
760.7

766.5

Sta. 41+91.00, 12' Lt.
Begin 12" C-B
Inv. El. 768.00

Sta. 41+90, 12' Lt.
Std. No. C-28 C.B.
Gr. El. 770.00

R/W 238' L/A 176'

767.6

770.2

773.97
41+74
769.9

766.6

Sta. 41+70, Rt. Side
Begin 100' Transition
6:1 to 2:1 Slope

R/W 236' L/A 178'

768.0

6:1

+00.40' Lt. & Lt. Lane El. 768.40

770.4

6:1

773.76
41+00
768.9

766.7

Sta. 41+00, Lt. Side
Begin 100' Transition
6:1 to 4:1 Slope

Sta. 40+00

END AREA CUT	END AREA FILL	cu. YD. CUT	cu. YD. FILL
0	1235		
		8	1323
20	2166		
		37	1818
66	2103		
		73	934
122	299		
		222	1321
40	665		
		846	1409
4.17	94		

Sta. 40+00

Sta. 41+00 to Sta. 42+39

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SEEDING WIDE SQ YD.

Seeding Figured Back to 41+95

207 L/A
R/W 207
767.7

Sta. 43+81.00, 9' Lt.
End 12" C.B.
Inv. El. 768.50

Sta. 43+82, 9' Lt.
Std. No. 2-28 C.B.
Gr. El. 770.50

Sta. 43+34.34, 14.61 Rt.
Begin 12" F
Inv. El. 768.00

774.53
43+73.84
773.60

See Channel Sections
Blue Creek

2:1

768.8

L/A

Sta. 43+74, Rt. Side
Begin 100' Transition
2:1 to 6:1 Slope

43+73.84 106 335 91 490

L/A
170'
R/W
213'
767.5

See Channel Sections
Blue Creek

774.43
43+37.84
772.40

43+37.84 30 400

Correction for Channel Right & Left 0 0

See Channel Sections
Blue Creek

L/A
171'
R/W
222'
6:1
2:1
767.4

774.32
43+00
770.1

Sta. 43+00 Lt. Side
Begin 100' Transition
2:1 to 6:1 Slope

43+00 30 47 17 26

Left 42+70 0 0
Right 43+08 0 0

See Channel Sections
Blue Creek

2:1
L/A
766.35

774.24
42+70
770.9

42+70 33 652 23 458

130 160 170 180

See Channel Sections
Blue Creek

L/A
766.40

774.17
42+48
770.9

42+48 0 969 13 660

C/E

130 160 170 180

Sta. 42+39 0 1235 0 367

4321

1132

Correction for Channel Change, Right & Left

228 Sta. 41+95
5453 Sheet Total

Sta. 42+48 to Sta. 43+73.84

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
172	1911
172	2217
227	2500
	-293
223	2283
188	2184
205	599
207	11401

END AREA CUT	END AREA FILL	C.U.Y.D. CUT	C.U.Y.D. FILL
465	0		
		1859	2
539	1		
		2419	15
767	7		
		2778	13
733	0		
		2139	6
422	3		
		1337	165
300	86		
		197	204
106	335		

200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110

L/A
12"C.M.P.
773.0
772.75
776.00
49+00
776.5
6:1
770.6

L/A
12"C.M.P.
771.3
772.30
775.72
48+00
776.4
6:1
770.4

L/A
6:1
4"F.T.
House
769.5
771.90
775.44
47+00
777.1
6:1
770.2

Sta. 46+73, 107' Lt.
End 12" D
Inv. El. 769.37

Corr. For Dr. Lt. & Rt.

R/W
Drive
℄ L/A
46+50 & Fld. Dr.
12" C.M.P.
769.0

Sta. 46+23, 107' Lt.
Begin 12" D
Inv. El. 769.11

+00, 108.45' Lt.
Inv. El. 769.10

46+50 & Cross-over
774.80
771.50
775.16
46+00
775.9

+00, 6.33' Lt.
Inv. El. 769.35

15"x103' Type "B" conduit with class "B" bedding

Sta. 46+68.35' Lt.
End 12" (D)
Inv. El. 771.77

Sta. 46+00, 5' Lt.
Std. No. 5 C.B.
Gr. El. 771.25
Inv. El. 769.35

Sta. 46+32.45' Lt.
Begin 12" D
Inv. El. 771.63

Sta. 46+71, 94' Rt.
End 21" (D)
Inv. El. 770.14

Corr. for Dr. Lt. & Rt.

+50, 72' Rt.
774.4
+50, & Drive
6:1
770.0

Sta. 46+29, 94' Rt.
Begin 21" (D)
Inv. El. 770.06

R/W
L/A
12" C.M.P.
768.5
773.2
772.5
774.88
45+00
774.2
6:1
769.8

Corr. Removed Septic Tank

Sta. 44+00 & Sta. 45+00 Seeded to L/A

R/W
L/A
6:1
768.0
770.7
774.60
44+00
773.6
43+93, 92' Rt.
Inv. El. 769.80
769.0

Sta. 43+73.84
Sheet Total

Sta. 43+73.84

STA. 44+00 to STA. 49+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
172	
	1911
172	
	1911
172	
	1911
172	
	1911
172	
Sta. 49+00	
9555	Sheet Total

END AREA CUT	END AREA FILL	C.U. YD. CUT	C.U. YD. FILL
69	154		
		344	520
117	127		
		400	522
99	155		
		415	437
125	81		
		744	170
277	11		
		1374	20
465	0		

160 156 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A

774.9
774.00
774.50
774.0
777.39
54+00
774.8
6:1
771.6

Sta. 53+71.71 End new
Left Part. Begin Salvage

774.7
3:1
6:1
779.01
773.75
777.12
53+00
775.0
771.4

774.5
Remove
12"C.I.P.
6"V.I.t.
Remove
773.50
776.84
52+00
774.0
6"F.T. (Abandon)
Plug
771.2

774.3
773.25
776.56
51+00
774.6
+00.16' Lt.
El. 771.20
15"x9'T Type "B" conduit with class "B" bedding
Sta. 51+00, 3' Lt.
Std. No. 5 C.B.
Gr. El. 773.00
Inv. El. 771.20
+00.94' 15° Rt.
Inv. El. 771.00
771.0

774.1
(12)
773.10
776.28
50+00
775.9
6:1
770.8

Sta. 49+00
STA. 50+00 to STA. 54+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

66

SEEDING WIDE	SEEDING SQ YD.
192	
	2106
	217
187	
	2061
184	
	2011
178	
	1945
172	
	1911
172	Sta. 54+00
9817	Sheet Total

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
79	343		
		261	1185
		0	103
			76
62	297		
		313	457
Ahead 163	32		
Back 169	32	157	30
169	32		
		530	206
117	79		
		311	474
51	177		
		222	613
69	154		

End Sod
Sta. 59+04

778.60

774.9

772.75

+00 3' Lt.
Inv. El. 773.50

18"±98' Type "A" conduit with class "B" bedding

+00 5.14' Rt.
Inv. El. 772.97

772.6

59+00
773.2

Begin Sod (13' wide)
Sta. 58+96

End Lawn Section
Sta. 58+50, Lt.

Sta. 58+50, Back

770.50

Sta. 58+50, Ahead

773.0

778.44

770.85
Cross Drain

772.46

Sta. 58+52
End 18" (D)
Elev. 772.50

Corr. for Dr. Lt. & Rt.

Corr. for Dr. Lt. & Rt.

Corr. for Dr. Rt.

58+34 Drive Left & Right
772.3

778.36

Sta. 58+16
Begin 18" (D)
Elev. 772.43

775.00

770.00

775.00

12" C.M.P. (Aban.)

772.4

58+00
773.0

Begin Lawn Section
Sta. 57+25, Lt.

778.12

+25, Ahead

775.5

774.75

775.5

774.75

772.2

57+00
777.1

777.88

776.5

775.0

774.5

772.0

56+00
776.3

777.64

774.24

774.8

774.35

771.8

55+00
774.5

Sta. 54+00

Sta. 54+00

STA. 55+00 to STA. 59+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SQ.YD.
213	L/A
	2366
213	L/A
	2190
215	L/A
	239
215	L/A
	2350
208	L/A
	2278
202	L/A
	2189
192	Sta. 59+00
11562	Sheet Total

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
258	96		
		778	450
162	147		
		697	315
256	42		
		95	15
259	39		
		1213	100
			12
397	15		
		1100	287
197	140		
		511	894
79	343		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

773.6 — 5:1 — 6:1 — 775.00 — 775.62 — 775.00 — 779.32 — 64+00 — 777.4 — 772.8 — L/A

773.8 — 774.75 — 775.25 — 774.75 — 779.44 — 63+00 — 777.0 — 773.0 — L/A

773.9 — 774.63 — 775.03 — 774.63 — 779.33 — 62+10 Drive (Abandon) — 778.6 — 773.18 — L/A

774.0 — 774.50 — 775.00 — 774.50 — 779.32 — 62+00 — 778.4 — 773.2 — L/A

Corr. Removed Culvert

774.3 — 774.75 — 775.25 — 774.75 — 779.08 — 61+00 — 778.4 — 773.0 — L/A

774.6 — 6:1 — 774.00 — 778.84 — 60+00 — 775.0 — 772.8 — 6:1 — L/A

Sta. 59+00

STA. 60+00 to STA. 64+00.

PAULDING & VANWERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD	
		150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
		L/A; 6:1; 774.9; C.R.C.M.P.(Aban.); 775.83; 776.52; 775.52; 776.12; Seeding Carried on Mentzer Church Rd.
	1291	Corr. for Intersection
		69+00 774.2
		Intersection Mentzer Church Road Sta. 68+57.83
		778.36
		Corr. for Intersection
186		776.00; 777.00; 776.00; 6:1; L/A; 772.0
		68+00 774.2
		Note - Seeded Area Lt. of Sta. 65+90, 160' Lt. to Sta. 68+33, 150' Lt. Carried on Mentzer Church Rd.
	2134	
198		774.2; 775.75; 774.75; 775.75; 776.60; L/A; 772.2
	2255	67+00 779.5
		Sta. 66+00, Lt. End Dumped Rock Channel Protection 18" Thick
208		774.0; 775.50; 776.58; 775.50; 776.04; L/A; 772.4
	2322	66+00 776.0
		Sta. 65+60, Lt. Begin Dumped Rock Channel Protection 18" Thick
210	L/A	6:1; 5'+70 Ahead; 773.4; 775.25; 776.08; 775.25; 779.08; 6:1; L/A; 772.6
	2350	65+00 776.4
213	Sta. 64+00	
7770	Sheet Total	
		150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
		STA. 65+00 TO STA. 69+00.

END AREA		CU. YD	
CUT	FILL	CUT	FILL
		0	250
34	402		
		187	1370
67	338		
		417	1106
158	259		
		678	909
208	232		
		863	607
258	96		
Sta. 64+00			

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

Begin Sod, 6' Wide
Sta. 75+45, Lt.

SEEDING WIDE	SEEDING SQ.YD.
184	
	2050
185	
	2061
186	
	2073
187	
	2084
188	
	2095
180	
	4068
186	
14381	Sheet Total

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
51	256		
		196	983
55	275		
		163	1137
33	339		
		137	1107
41	259		
		217	893
76	223		
		252	913
60	270		
		348	2488
34	402		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A

776.68 — 773.7 — 772.64 — 772.14 — 772.64 — 775.1 — 13.2 — 6:1 — 770.5 — L/A
75+00 772.7

776.92 — 773.9 — 772.12 — 772.62 — 772.12 — 111.4 — 770.7 — L/A
74+00 773.2

777.16 — 774.1 — 772.62 — 774.10 — 772.62 — 8:1 — 8:1 — 770.9 — L/A
73+00 772.8

777.40 — 774.3 — 774.08 — 774.08 — 774.80 — 771.1 — L/A
72+00 773.7

777.64 — 774.5 — 774.58 — 775.46 — 776.34 — 6"(605) — +40.26 ft. Inv. El. 772.00 — 771.3 — L/A
71+00 774.5

777.88 — 774.7 — 6:1 — 776.04 — 776.04 — 776.04 — 6:1 — 771.4 — L/A
70+00 774.0

Sta. 68+00

Sta. 70+00 to Sta. 75+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
172	267
174	1689
179	2000
181	1817
186	1856
188	2067
184	9696

END AREA CUT	END AREA FILL	C.U. YD. CUT	C.U. YD. FILL
122	192		
		59	103
108	207		
		238	715
41	241		
		141	896
35	243		
		154	894
48	240		
		176	863
47	226		
		181	893
51	256		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A
771.0
47+00
775.48
+00.9.67 Lt. Inv. El. 768.75
80+00
772.6
+00.11' Lt. Std. No. 5 C.B. Gr. El. 770.75 Fl. El. 768.75 (Basin in sag)
18"x 29" Type "B" conduit with class "B" bedding
End Sod (6' wide) Sta. 80+00 Rt.
+00.11.47' Rt. Inv. El. 768.40
768.0

L/A
771.2
47+05
775.51
79+86.11
772.5
Seeding Carried on Elm Sugar Grove Church Rd.
768.3

End Sod (6' wide) Sta. 79+35 Lt.
Begin Sod (6' wide) Sta. 79+05 Lt.
+20.99 Lt. Gr. El. 771.00
L/A
771.25
776.72
8" F.T. (Aban.)
12" Vit. 7
6" F.T.
12" (C.B.)
Rem. C.B. Connect 12" through
Rem.
8" Vit. Connect 8" Vit. to 12" Vit.
4" F.T. (abandon)
769.7
+19.99 Lt. El. 768.00
+20.98 Lt. 766.80
+19.81 Lt. 766.98
+20.99 Lt. Std. No. 2-2B C.B. Gr. El. 771.00
79+00
771.6
L/A
Begin Sod (6' wide) Sta. 78+90 Rt.

L/A
Cemetary Parking Area
1/4:1 Ft.
771.50
776.96
8" F.T. (Aban)
10" (D)
774.5
78+00
771.6
769.9

+70
R/W
774.9
8:1
771.75
776.20
8:1
L/A
770.1
77+00
772.5
Sta. 77+70, Corr. for Cemetary Dr. & Park Area

L/A
772.16
772.60
772.16
776.44
8" F.T. (Aban)
10" (D)
6:1
770.3
End Sod (6' wide) Sta. 75+75 Lt.
75+60.10 Lt. Std. No. 2-2B C.B. Gr. El. 773.30
10" (D)
Inv. El. 770.50
76+00
772.6
Sta. 75+00
Sta. 75+100
Sheet Total

STA. 76+00 to STA. 80+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.30-0.00-

SEEDING WIDE	30 YD.
204	
	4,100
192	
	3946
	1029
145	
	884
155	
	722
162	
	1856
172	
7279	Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

774.10
771.00
Structure No. 2-C
54"x214' Type "A" Conduit with class "B" bedding, 706.02
84+50
771.7
D.R.C.P.
763.9
+50, 91.5' Lt.
Inv. El. 764.00
L/A
(8'F)
C/E
764.7
+50, 128' Rt.
755.70
+50, 122.83' Rt.
Inv. El. 764.54
Channel Excavation 20 0

774.62
771.50
12" C.M.P. (Abon)
84+00
772.3
6:1
1/4" Per Ft.
2:1
766.8
C/E 100 147

Begin Sod (6' wide)
Sta. 83+90

Seeding Carried on Elm
Sugar Grove Church Rd.
774.76
Seeding Carried on Elm
Sugar Grove Church Rd
767.1
C/E 838 1108
83+00
771.5

Sta. 82+86.59
End 33" (A-B)
Inv. El. 767.12

Elm & Sugar Grove Church Rd.
Sta. 82+92.00

Corr. for Inter.
775.00
771.60
770.4
Corr. for Inter.
& Elm Sugar Grove Church Rd.
767.3
C/E 126 152 0 173
82+00
772.0

Sta. 82+12.70, 120' Rt.
Begin 33" (A-B)
Inv. El. 767.27

775.13
771.31
770.6
81+47
773.0
767.4
144 156 265 302

775.24
771.65
6:1
1/4" Per Ft.
2:1
2:1
770.8
767.5
150 152 256 265
81+00
772.2

Sta. 80+00
122 192 504 637
Sta. 80+00

STA. 81+00 to STA. 84+50.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
208	1621
203	291
200	356
201	571
210	249
230	362
204	3445

Sta. 84+50
Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A — 6:1 — 770.8 — 770.80 — 774.04 — 86+00 — 771.1 — 1/4" Per Ft. — 2:1 — 764.8

24" F.T. — 1/4" F.T. — Rem.(C&G)

L/A — 770.0 — 770.35 — 774.21 — 24" F.T.(Remove) — 85+29 — 767.4 — 764.73

L/A — 769.5 — 770.40 — 774.24 — 85+16 — 769.5 — 764.72

L/A — 769.0 — 10" Vit. (Abon) — Rem. — 24" Vit. (Remove) — 10" Vit. (Abon) — Rem. — 770.50 — 774.28 — 85+00 — 769.8 — 764.7

Seeding Carried on Elm Sugar Grove Church Rd.

L/A — 6:1 — 768.3 — 770.75 — 774.34 — 84+75 — 770.9 — 764.65

24" C.M.P. (Rem.) — 768.1 — 770.90 — 774.36 — 84+65 — 771.27 — End Sod (6' wide) Sta. 84+75 Rt. — 1/4" Per Ft. — 764.6

Sta. 84+00

END AREA CUT	END AREA FILL	CU. Y.D. CUT	CU. Y.D. FILL
134	276		
		309	888
101	399		
		52	182
115	356		
		73	196
130	306		
		127	248
143	231		
		52	99
135	301		
		283	540
100	147		

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
230	
	2533
	2267
226	
	2489
222	
	1375
220	
	1066
216	
	2383
213	
	2339
208	
Sheet Total	11918

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
			246
C/E			
197	25		
		730	100
C/E		0	208
197	29		
		683	124
C/E			
172	38		
		356	111
C/E			
171	69		
		275	109
C/E			
167	65		
		593	306
C/E			
133	100		
		531	696
134	276		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A
771.8
770.50
713.34
91+00
772.2
6:1
1/4" Per Ft.
18" F.T. (Aban.)
765.30
Sta. 91+20 Lt.
Fill Basement

Corr. for Dr. Rt. & Lt.
End 15"(D)
Sta. 90+64
Elev. 771.72
+45 ℄ Drive, Lt.
771.6
Begin 15"(D)
Sta. 90+28
Elev. 771.66
+45 ℄ 770.75
+45 ℄ Cross-over
770.25
713.24
90+00
772.4
End 48"(D)
Sta. 90+69
Elev. 765.27
+45 ℄ Drive, Rt.
Corr. for Dr. Rt. & Lt.
18" F.T. (Aban.)
765.20
Begin 48"(D)
Sta. 90+21
Elev. 765.22

771.4
770.00
713.39
89+00
772.5
18" F.T. (Aban.)
765.10

771.3
769.86
713.45
88+44
772.4
765.04

771.2
769.75
713.36
88+00
772.3
18" F.T. (Aban.)
765.0

771.0
769.50
713.80
87+00
772.2
+00.4' Lt.
Std. No. 5 C.B.
Gr. El. 769.25
Inv. El. 767.10
(Basin in Sag)
+00.67' Lt.
Inv. El. 767.10
15"x 124' Type "B" conduit with class "B" bedding
+00.120.45' Lt.
Inv. El. 765.30
764.9
18" F.T. (Aban.)

Sta. 86+00
Sta. 86+00
STA. 87+00 to STA. 91+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SEEDING WIDE 30 YD

250 2750 L/A 245 2739 L/A 240 2728 L/A 243 2683 L/A 240 629 L/A 232 1950 230 13479

L/A 166 772.8 770.50 771.4 96+00 771.7 6:1 1½" Per Ft. L/A 2:1 765.8 18" F.T. (Remove)

772.6 770.23 773.98 95+00 771.7 L/A 765.7 18" F.T.

772.4 12" C.M.P. (Abon.) 8:1 769.75 773.82 94+00 771.7 18" x 125 Type "B" conduit with class "B" bedding ℄ 18" F.T. L/A 765.6 +00 3 Gt. Lt. Inv. El. 767.08 +00 5' Lt. Std. No. 5 C.B. Gr. El. 769.50 Inv. El. 767.08 (Basin in sag) +00 180.45 Lt. Inv. El. 766.00

772.2 770.00 773.66 93+00 772.2 L/A 765.5 18" F.T.

772.0 8:1 770.25 773.50 92+00 771.6 6:1 1½" Per Ft. L/A 765.4 18" F.T. (Remove)

771.95 770.31 773.42 91+76 772.1 L/A 765.38

Sta. 91+00 Sheet Total

END AREA		CU. YD.	
CUT	FILL	CUT	FILL
C/E 160	109		
		533	413
C/E 128	114		
		561	439
C/E 175	123		
		691	422
C/E 198	105		
		626	383
C/E 140	102		
		133	87
C/E 160	94		
		502	167
197	25		

Sta. 91+00

STA. 91+45 to STA. 96+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SEEDING WIDE	SEEDING SQ.YD.
262	2922
264	2922
262	2917
263	2900
259	2856
255	2806
250	17323

END AREA CUT	END AREA FILL	C.U.YD. CUT	C.U.YD. FILL
C/E 78	217		
		331	739
C/E 101	182		
		389	631
C/E 109	159		
		467	539
C/E 143	132		
		481	483
C/E 117	129		
		483	456
C/E 144	117		
		563	419
C/E 160	109		

L/A 180' — 773.8 — 102+00 771.6 — 771.10 — 766.5

L/A 180' — 773.8 — 101+00 771.8 — 771.94 — 766.4

L/A 180' — 773.6 — 100+00 771.8 — 771.78 — 766.3

L/A 180' — 773.4 — 99+00 772.1 — 771.62 — 766.2

L/A 175' — 773.2 — 98+00 772.2 — 771.46 — 766.1

L/A 170' — 773.0 — 97+00 771.4 — 771.30 — 765.9

Sta. 96+00 Sheet Total

STA. 97+00 to STA. 102+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
216	
	2439
223	
	2505
228	
	2578
238	
	2784
263	
	2945
267	
	2939
262	
16190	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A 178' — 772.8 — 772.0 — 776.06 — 6:1 — L/A — 770.3 — 108+00 772.6

170 160 150 — 772.25 — L/A 180 — 5 FT. ℄ — 18" C.I.P. (Remove) — 5 Remove — End Sod (6' wide) Sta. 106+76 Lt. — 771.75 — 775.90 — 6:1 — L/A — 770.15 — 107+00 772.5

Sta. 106+61, 160' Lt. Build Std. No. 2-2-B C.B. Gr. El. 772.40 — Begin Sod (6' wide) Sta. 106+46 Lt.

170 160 150 — 772.7 — L/A 180 — 771.50 — 775.74 — 6:1 — L/A — 770.0 — 106+00 772.2

180 170 160 150 — L/A — 773.0 — 771.25 — 775.38 — 8:1 — L/A — C/E — 768.85 — 105+00 772.4

180 170 160 150 — L/A — 773.3 — 771.00 — 775.32 — L/A — C/E — 767.7 — 104+00 772.4

180 170 160 150 — L/A — 6:1 — 773.6 — 770.75 — 775.26 — 6:1 — L/A — 1¼ Per Ft. — 6:1 — C/E — 103+00 771.4

+00.0 67' Lt. Inv. El. 768.35 — +00. 2' Lt. Std. No. 5 C.B. Gr. Elev. 770.50 Inv. El. 768.35 (Basin in sag) — 15"ϕ 122' Type "B" conduit with class "B" bedding 18' FT. ± (Remove) — Rem. — 15' F.T. (Remove) — +00.120.45' Rt. Inv. El. 767.00 — +55.24' Rt. Inv. El. 767.25 — 766.6 — 15"ϕ 10' (Ft.)

Sta. 102+00 Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 103+00 to STA. 108+00.

END AREA CUT	END AREA FILL	CU. YD CUT	CU. YD FILL
41	202		
		154	769
42	213		
		189	791
60	187		
		256	687
78	184		
		341	646
106	165		
		337	804
C/E 76	269		
		285	900
Sta. 102+00 78	217		

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SEEDING WIDE	SEEDING SQ.YD.
193	2178
199	2239
204	2300
210	2366
216	2428
221	2428
216	
13939	Sheet Total

L/A 6:1 773.4 — 772.80 — 777.02 — 772.1 — L/A
114+00 773.1

L/A 773.3 — 772.95 — 776.86 — 771.75 — L/A
113+00 772.9

L/A 773.2 — 772.00 — 776.70 — 771.25 — L/A
112+00 772.8

End Sod (12' Wide) Sta. 111+04
L/A 773.1 — 771.75 — 776.34 — 770.75 — L/A
+00.9 ℄ Lt. Inv. El. 771.50
111+00 772.6
10"x 96' Type "A" conduit with class "B" bedding
+00.94 ℄ Rt. Inv. El. 771.00
Begin Sod (12' wide) Sta. 110+96

L/A 168' 773.0 — 773.2 — 776.38 — 770.60 — L/A
110+00 772.5

L/A 173' 6:1 772.9 — 772.95 — 776.22 — 770.45 — L/A
109+00 772.4

Sta. 108+00

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
60	246		
		230	928
64	255		
		235	909
63	236		
		239	913
66	257		
		206	887
45	222		
		176	828
50	225		
		169	791
41	202		

Sta. 108+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 109+00 to STA. 114+00.

PAULDING & VAN WERT COUNTIES
PAU: 30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
166	
	1839
165	
	1878
173	
	1956
179	
	2011
183	
	2056
187	
	2111
193	
1185	1

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A 6:1 772.75 772.90 260' 770.9 120+00 773.8

L/A 773.9 774.00 772.88 250' 771.1 119+00 774.2

L/A 773.8 773.50 772.76 314' 771.3 118+00 773.4

L/A 773.7 772.50 771.5 117+00 773.0

L/A 773.6 772.94 771.7 116+00 772.8

L/A 6:1 773.5 772.75 772.18 6:1 771.9 115+00 772.7

Sta 114+00

Sheet Total

Sta. 114+00

STA. 115+00 to STA. 120+00

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
32	284		
		156	1015
52	264		
		150	1085
29	322		
		102	1191
26	321		
		115	1141
36	295		
		131	1163
35	333		
		176	1072
60	246		

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
177	1967
177	1967
177	1967
177	1967
177	1906
166	Sta. 120+00
11.741	Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A

6:1

772.8 — 772.75 — 126+00 774.6 — 771.02 — 769.9

773.0 — 773.00 — 125+00 774.5 — 771.10 — 770.0

773.2 — 772.75 — 124+00 774.5 — 771.34 — 770.1

+00 2.67' Lt. Inv. El. 770.40

+00 4' Lt. Sta. No. 5 C.B. Gr. El. 772.50 Inv. El. 770.40 (Basin in sag)

15"x107' Type "B" conduit with class "B" bedding

+00 103.45' Rt. Inv. El. 770.20

773.4 — 773.00 — 123+00 774.9 — 771.50 — 770.3

773.6 — 773.25 — 122+00 779.0 — 771.66 — 770.5

773.7 — 773.50 — 121+00 773.9 — 771.82 — 770.7

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
100	192		
		328	719
77	196		
		306	715
88	190		
		333	737
92	208		
		89	865
64	259		
		189	1044
38	305		
		130	1091
32	284		

Sta. 120+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 121+00 to STA. 126+00

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
	182
	2023
	182
	2023
	182
	2023
	182
	1995
	177
	1967
	177
	1967
	177
11998	Sheet Total

END AREA CUT	END AREA FILL	C.U.YD. CUT	C.U.YD. FILL
85	143		
			205
		378	615
119	189		
		343	735
66	208		
		276	774
83	210		
		276	793
66	218		
		276	781
83	204		
		339	733
100	192		

Sta. 126+00

STA. 127+00 to STA. 132+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
125	
	1246
173	
	1961
180	
	2000
180	
	2011
182	
Sta. 132+00 Sheet Total	8036

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
101	115		
		0	251
		900	688
142	71		
		489	306
122	94		
		424	372
107	107		
		356	463
85	143		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Seeding Carried on Lare Rd.
6:1
772.6
773.87
775.39
6:1
1/4" Per Ft.
2:1
6:1
768.45

137+22 County Road
775.00
Original on Skew

Seeding Carried on Lare Rd.
End 53'x34'(A-B)
Sta. 137+12.65
Elev. 768.48

772.5
(Aban.) 8" F.T.
Remove
(Aban.) 8" F.T.
774.02
775.36
768.5

137+00
773.5

Corr. for Inter.

Corr. for Inter.

Seeding Carried on Lare Rd.
(Aban.) 8" F.T.

Intersection Lare Road
Sta. 136+39.26

775.48

L/A
C/E
6" (605)
768.6
100-115' @ Inv. El. 770.00
Begin 53'x34'(A-B)
Sta. 136+46.95
Elev. 768.55

136+00
773.5

L/A
771.0
773.23
775.58
C/E
768.7

135+00
774.1

L/A
771.2
773.00
775.74
C/E
769.0

134+00
773.9

L/A
6:1
771.4
772.75
775.90
6:1
1/4" Per Ft.
C/E
2:1
6:1
769.2

133+00
774.1

Sta. 132+00

STA. 133+00 to STA. 137+22

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
189	2100
189	2100
189	2095
108	2078
186	1778
134	1439
125	11590

Sta. 137+00
Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A
6:1
773.8
773.55
143+00
774.6
776.70
+00 ℄ Std. No. 5 C.B.
Gr. El. 773.30
Inv. El. 771.15
+00 1.33' Rt. Inv. El. 771.15
15"x118' Type "B" conduit with class "B" bedding
1/2" Per Ft.
2:1
+00 118.45' Rt. Inv. El. 770.00
767.9

L/A
773.6
8" C.M.P. (Abon.)
773.25
142+00
774.7
776.46
768.0

L/A
773.4
8" C.M.P. (Abon.)
772.75
141+00
774.4
776.22
+00 1.33' Rt. Inv. El. 770.35
15"x119' Type "B" conduit with class "B" bedding
+00 119.45' Rt. Inv. El. 769.00
768.1
+00 ℄ Std. No. 5 C.B.
Gr. El. 772.50
Inv. El. 770.35
775.98

L/A
773.2
773.00
140+00
774.3.
768.2

L/A
773.0
773.25
139+00
779.1
776.74
768.3
8" (F)
138+90 120' Rt. Inv. El. 768.8±

L/A
6:1
772.8
772.80
138+00
774.0
776.50
Seeding Carried on Core Rd.
1/2" Per Ft.
2:1
2:1
(Abon.) 8" F.T.
768.4

Sta. 137+00

END AREA CUT	END AREA FILL	C.U. YD. CUT	C.U. YD. FILL
C/E 83	174		
		298	611
C/E 78	156		
		296	506
C/E 82	117		
		356	391
C/E 110	94		
		439	296
C/E 127	66		
		537	261
163	75		
		489	352
101	115		

Sta. 137+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 138+00 to STA. 143+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN-30-0.00-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SEEDING WIDE	SQ.YD.
189	
	2100
189	
	2100
189	
	2100
189	
	2100
189	
	2100
189	
12600	

Sta. 143+00 Sheet Total

L/A

774.8 — 6:1 — 775.05 — 778.14 — 6:1 — 1½" Per Ft. — L/A — 2:1 — 2:1 — 767.3

149+00
775.5

774.7 — 774.80 — 778.90 — L/A — 767.4

148+00
775.5

774.6 — 774.55 — 778.95 — L/A — 767.5

147+00
775.9

774.4 — 774.30 — 778.42 — L/A — 767.6

146+00
775.4

774.2 — 774.05 — 778.18 — L/A — 767.7

145+00
774.7

774.0 — 6:1 — 773.80 — 778.54 — 6:1 — 1½" Per Ft. — L/A — 2:1 — 2:1 — 767.8

144+00
774.3

Sta. 143+00

	END AREA CUT	END AREA FILL	CU. Y D. CUT	CU. Y D. FILL
C/E	81	316		
			311	1033
C/E	87	242		
			333	813
C/E	93	197		
			344	737
C/E	93	201		
			306	826
C/E	72	245		
			257	863
C/E	67	221		
			278	731
C/E	83	174		

STA. 144+00 to STA. 143+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
184	
	757
184	
	1122
190	
	2111
190	
	2111
190	
	253
190	
	1853
189	
8207	

Sta. 149+00
Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A — 6:1 — 12" C.M.P. (Aban.) — 1½" Per Ft. — 2:1

Station	Elevation	Elevation	Elevation
152+91 Drive Left (Abandon)	775.6	774.80	778.04
152+54	775.6	774.95	778.14
152+00	775.9	775.13	778.30
151+00	775.8	775.35	778.48
150+00	775.7	775.30	778.38
149+88 Drive Left (Abandon)	775.7	775.29	778.36

Station	L/A	C/E
152+91 Drive Left (Abandon)	775.6	766.91
152+54	775.5	766.95
152+00	775.4	767.0
151+00	775.2	767.1
150+00	775.0	767.2
149+88 Drive Left (Abandon)	774.9	767.22

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
87	289		
		121	396
89	289		
		177	617
88	328		
		320	1274
85	360		
		298	1320
76	353		
		32	163
66	382		
		239	1138
81	316		

Sta. 149+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 149+88 to STA. 152+91

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SEEDING WIDE	SQ.YD.
182	
	2023
182	
	2023
182	
	2023
	294
182	
	1092
182	
	931
182	
183	
184	
7981	

Corr. for Dr. Rt. & Lt.

Sta. 152+91
Sheet Total

END AREA CUT	END AREA FILL	C.U.YD. CUT	C.U.YD. FILL
℄			
140	92		
		483	376
℄			
121	111		
		435	554
℄			
114	188		
		361	833
℄			
81	262		
		155	604
℄			
74	342		
		14.1	538
℄			
91	290		
		30	96
Sta. 152+91			
87	289		

L/A 6:1 773.75 157+00 775.3 773.15 776.70 6:1 ¼" Per Ft. L/A 2:1 2:1 766.5

L/A 774.0 156+00 775.5 773.55 777.02 L/A

5" Fibre Duct
Am. Tel. & Tel. Cable
Sta. 156+62

766.6

L/A 774.25 155+00 775.5 773.05 777.34 L/A

766.7

End 12"(D)
Sta. 153+92
Elev. 773.98

End 42"(D)
Sta. 153+99
Elev. 767.10

Corr. for Dr. Rt. & Lt.

L/A Sta. 153+74, Drive, Lt. 12"C.M.P.(Aban.) 775.8 776.80 Cross Over, F/H 774.35 777.66 154+00 775.2 L/A Sta. 153+74, Drive, Rt.

766.8

Begin 12"(D)
Sta. 153+56
Elev. 774.13

Begin 42"(D)
Sta. 153+49
Elev. 767.15

L/A 775.7 12"C.M.P.(Aban.) 774.56 777.82 153+46 775.4 Drive Right (Abandon) L/A

766.86

L/A 6:1 775.6 12"C.M.P.(Aban.) 774.75 777.08 153+00 775.6 6:1 ¼" Per Ft. L/A 2:1 2:1

766.9

STA. 153+00 to STA. 157+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
176	1978
180	1995
179	2023
185	2056
185	2056
185	2039
182	12147

Sta. 157+00
Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A

6:1

774.75

774.00

163+00
775.0

776.86

1½" Per Ft.

2:1

765.9

END AREA CUT 127 | END AREA FILL 280 | CU. Y.D. CUT 483 | CU. Y.D. FILL 856

Seeding Carried on Feasby Wisener Rd.

774.5

773.75

C/12"C.M.P.(Rem.)

162+00
775.0

776.62

766.0

END AREA CUT 134 | END AREA FILL 182

774.25

773.50

161+00
775.4

776.52

766.1

END AREA CUT 165 | END AREA FILL 117 | CU. Y.D. CUT 554 | CU. Y.D. FILL 554

774.0

773.25

160+00
775.0

776.86

766.2

END AREA CUT 145 | END AREA FILL 138 | CU. Y.D. CUT 574 | CU. Y.D. FILL 472

773.75

773.00

159+00
774.6

776.62

766.3

END AREA CUT 141 | END AREA FILL 141 | CU. Y.D. CUT 530 | CU. Y.D. FILL 517

End Sod (8' wide)
Sta. 157+68

6'SHLD

773.8

157+65.77' Lt.
Inv. El. 773.60

12"x8"(B-B)

Remove

Begin Sod (8' wide)
Sta. 157+62

12"C.I.P.

Remove

157+65.89' Lt.
Inv. El. 773.39

12"x20"(B-B)

157+65.33' Lt.
Inv. El. 770.20

772.15

158+00
774.6

776.52

157+65, ℄
Std. No. 5 C.B.
Gr. El. 772.35
(Basin in Sag)

157+65.33' Lt.
Inv. El. 768.98

18"x120' Type 'B' conduit with class 'B' bedding

6'F.T.(Abandon)

766.4

157+65.120.45' Lt.
Inv. El. 768.50

END AREA CUT 134 | END AREA FILL 107 | CU. Y.D. CUT 509 | CU. Y.D. FILL 459

END AREA CUT 165 | END AREA FILL 117 | CU. Y.D. CUT 507 | CU. Y.D. FILL 369

END AREA CUT 140 | END AREA FILL 92

Sta. 157+00

STA. 158+00 to STA. 163+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING	
WIDE	SQ.YD.
200	
	2222
200	
	2195
195	
	-978
	5250
120	
	1644
176	Sta. 163+00
10333	Sheet Total

END AREA		C.U.Y.D.	
CUT	FILL	CUT	FILL
116	178		
		435	826
119	268		
		422	1128
109	341		
		424	1093
102	310		
		0	287
127	280	1173	3618

Sta. 169+00, 775.3
Sta. 168+00, 774.2
Sta. 167+00, 774.0
Sta. 166+00, 774.6
Sta. 165+00, 775.2
Sta. 164+00, 774.5

Intersection Feasby Wisener Rd.
Sta. 165+18.79

Corr. for Inter.

Sta. 165+19.63, 134' Rt.
End 48" (A-B)
Inv. El. 765.68

Sta. 164+28.38, 134' Rt.
Begin 48" (A-B)
Inv. El. 765.77

Seeding Carried on Feasby Wisener Rd.

12" C.M.P. (Rem)

STA. 164+00 to STA. 169+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
210	
	2316
207	
	2283
204	
	1232
203	
	997
200	
	2222
200	
	2222
200	
11272	

Sta. 169+00 Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A
6:1
773.1
6"Stub
Rem.
12" Vit. (Rem.)
6"Stub
Rem.
772.35
775.86
174+00
772.6
6:1
1/4" Per Ft.
2:1
2:1
764.8

Sta. 173+03
End D.R.C.P.

L/A
773.3
772.60
776.13
173+00
772.8
+00.96 7" Lt.
Inv. El. 767.60
Sta. 173+00, 2' Lt.
Std. No. 5 C.B.
Gr. El. 772.30
Inv. El. 767.80
15" x 130' Type B conduit with class B bedding
L/A
764.9
+00.128.45
Inv. El. 766.60
Sta. 172+97.3 Wide
Begin D.R.C.P.
18" Thick

L/A
773.5
772.85
776.38
172+00
773.3
L/A
765.0

L/A
773.6
773.0
776.51
171+94.5 Drive Right (Abandon)
773.6
L/A
765.05

L/A
773.7
C 10" C.M.P. (Rem.)
773.15
776.62
171+00
773.8
L/A
765.1

L/A
6:1
773.9
773.45
776.86
170+00
774.7
L/A
1/4" Per Ft.
2:1
2:1
765.2

Sta. 169+10

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
157	216		
		600	893
167	261		
		589	885
151	217		
		316	430
163	209		
		256	361
148	229		
		533	811
140	209		
		474	717
116	178		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 170+00 to STA. 174+00

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
230	
	767
230	
	636
228	
	1883
224	
	2439
215	
	2389
215	
	2361
210	
10475	Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

End Sod (8' Wide
Sta. 178+50

L/A — 6:1 — 768.5 — 771.27 — 774.65 178+30 772.20 — 6:1 — L/A — 1/4" Per Ft. → — 2:1 — 2:1 — 763.48

L/A — 769.0 — 771.35 — 774.74 178+00 772.30 — L/A — 763.5

Begin Sod (8' Wide)
Sta. 177+70

L/A — 770.0 — 771.42 — 12" C.M.P. (Rem.) — 774.81 177+75 772.50 — L/A — 763.58

L/A — 771.0 — 12" C.M.P. (Rem.) — 771.60 — 775.02 177+00 774.10 — L/A — 10' — 176+70, ℄ Ahead — 763.6

Sta. 176+00, Begin New Pavement, End Salvage

L/A — 772.0 — 771.85 — 775.20 176+00 773.8 — L/A — 176+70, ℄ Back — 764.6

L/A — 6:1 — 772.6 — 772.10 — 775.58 175+00 772.9 — 6:1 — L/A — 1/4" Per Ft. → — 2:1 — 2:1 — 764.7

Sta. 174+00 — Sta. 175+00 to Sta. 178+30

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
204	528		
		219	606
190	553		
		176	364
189	234		
		647	602
277	199		
		308	221
277	199		
198	125		
198	125		
		513	324
		700	554
180	174		
		624	722
157	216		

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
214	
	490
227	
	1777
230	
	767
230	
	639
230	
	1150
230	
4823	Sheet Total

END AREA CUT	END AREA FILL	CU. Y D. CUT	CU. Y D. FILL
	SE		
73	619		
		164	451
370	600		
		735	1485
197	546		
		221	583
200	504		
		176	491
194	556		
		332	903
204	528		

Sta. 178+30 Sheet Total

Sta. 178+75 to Sta. 180+20

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SEEDING WIDE	SEEDING SQ.YD.	END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
151		57	163		
	1700			322	548
155		117	133		
	1739			344	520
158		69	148		
	1778			204	726
162		41	244		
	1839			120	1070
169		24	334		
	1119			141	1412
197					
	571				
214		73	619		
8746					

L/A
C/E
6:1
6:1
773.5
776.44
772.80
775.78
185+00
773.7
770.7
Sta. 184+00, Begin Salvage, End new Pavement
773.0
775.62
772.4
775.46
184+00
773.8
770.5
772.0
772.00
775.14
183+00
773.0
770.3
Sta. 183+00
End Sod
770.0
10"C.M.P. (Aban.)
771.6
774.82
182+00
771.9
770.1
C/E 225'
6:1
768.0
771.2
774.53
181+00
770.6
769.9
+00.83' Rt.
Inv. El. 770.10
C/E 225'
Structure 3C
771.0
2-60"x212' Type "A" conduit with class "B" bedding
Rem. Exist. Structure
774.38
180+45
769.0
Section on skew
+55.49 106.53' Lt
Inv. El. 762.47
+07.83 100.36' Rt.
Inv. El. 763.00
Sta. 180+20
Sheet Total
Sta. 180+20

STA. 180+30 to STA. 185+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
142	
	1033
144	
	1605
145	
	649
147	
	986
	-264
149	
	418
152	
	1263
151	
5690	Sta. 185+00 Sheet Total

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

L/A — 6:1 — 774.5 — 12"C.M.P.(Aban.) — 773.60 — 776.78 — 771.42 — 3:1 — L/A
188+65 Drive (Aban.)
773.6

L/A — 774.7 — 773.80 — 776.71 — 6:1 — 3:1 — 771.3 — L/A
188+00
773.5

L/A — 774.9 — 773.40 — 776.42 — 771.1 — L/A
187+00
773.2

L/A — 775.1 — 773.22 — 776.23 — 770.98 — L/A
186+60 Drive Left (Aban)
773.4

Corr. for Dr. Rt. & Lt.

L/A — +10 — +10, & Drive — 774.0 — +10 Crossover 775.50 — 773.10 — 776.10 — 770.9 — +10, & Dr. Rt. — L/A — Corr. for Dr. Rt. & Lt.
186+00
773.2
Sta. 186+27, & End 12"(D) El. 773.20
Sta. 186+26, 95' Rt. End 12"(D) El. 770.95
Sta. 185+93 & Begin 12"(D) El. 773.08
Sta. 185+94, 95' Rt. Begin 12"(D) El. 770.89

L/A — 6:1 — 773.7 — 10"C.M.P.(Repl.) — 10"C.M.P. (Aban.) — 773.03 — 776.02 — 6:1 — 3:1 — 770.85 — L/A
185+75 Drive Right & Left. (Abandon)
773.4

END AREA CUT	END AREA FILL	C.U. YD. CUT	C.U. YD. FILL
28	235		
		61	606
23	269		
		111	933
37	235		
		49	353
29	242		
		74	522
38	228	0	104
		46	196
61	195		
		164	497
57	163		

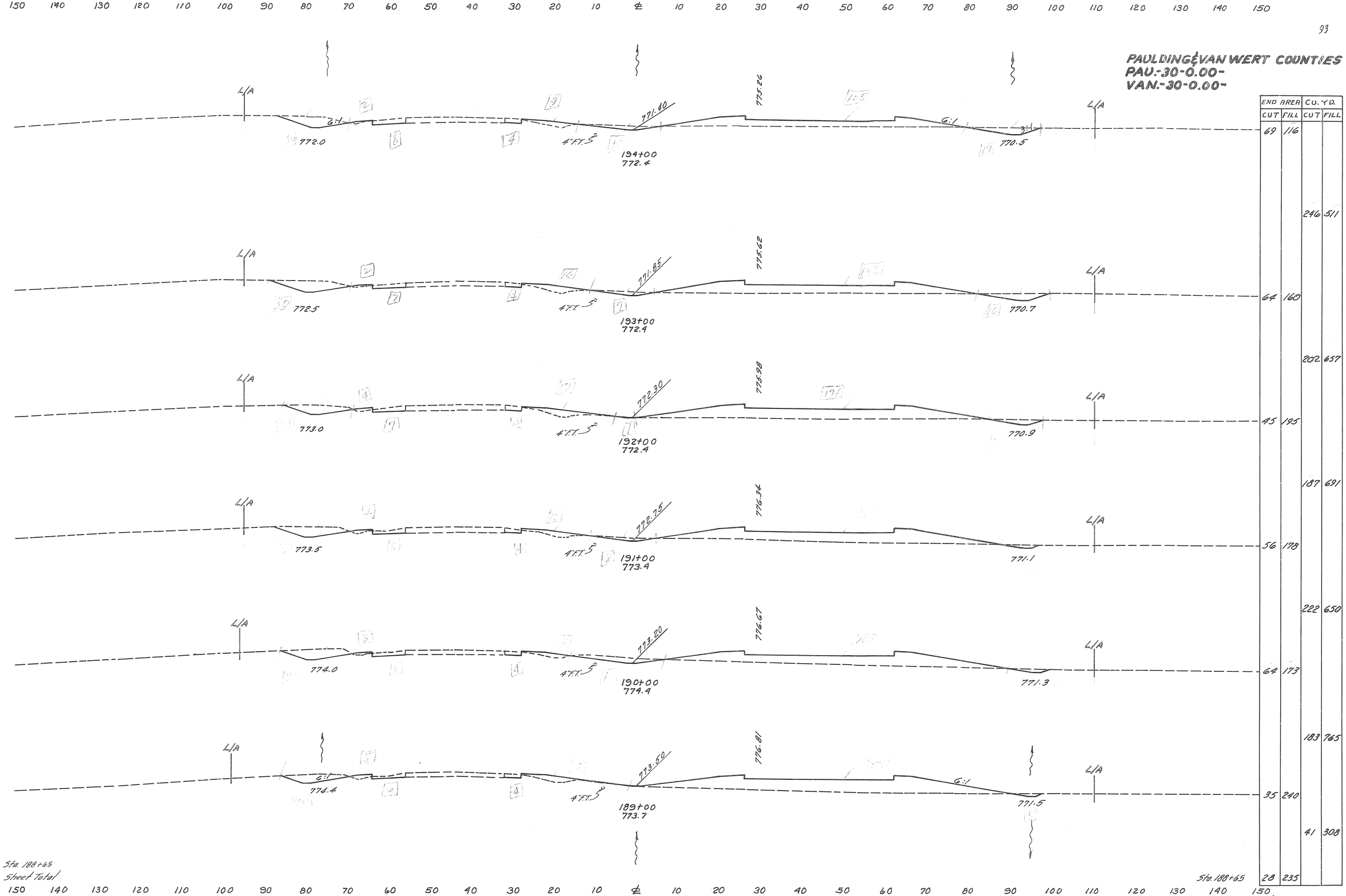
Sta. 185+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 185+78 to STA. 188+68.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



SEEDING WIDE	SEEDING SQ.YD.
136	
	1511
136	
	1511
136	
	1511
136	
	1522
138	
	1539
139	
	546
142	
Sta. 188+65 Sheet Total	8140

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
69	116		
		246	511
64	160		
		202	657
45	195		
		187	691
56	178		
		222	650
64	173		
		183	765
35	240		
		41	308
28	235		

Sta. 188+65

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 189+00 to STA. 194+00.

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

SEEDING WIDE	SEEDING SQ.YD.
173	
	1538
173	
	1923
173	
	269
	284
173	
	1654
173	
	1717
136	
	1511
136	
8328	

Corr. for Dr. Rt. & Lt.

Begin Lawn Section
Sta. 198+80

198+80 Drive (Abon.)
773.0

771.20 — 774.88 — 767.44

771.8 — 771.0 — 774.78 — 767.60

198+00
772.3

+00, 1.33' Lt.
Inv. El. 768.60

+00, ℄ Std. No. 5 C.B.
Gr. El. 770.75
Inv. El. 768.60
(Basin in Sag)

15"x 118' Type "B" conduit with class "B" bedding

+00, 118.45' Rt.
Inv. El. 767.60

End 18"(D)
Sta. 197+06
Elev. 767.79

771.3 — 772.8 — 774.66 — 767.80

End 12"(D)
Sta. 197+01
Elev. 771.30

197+00
772.1

+86 ℄ Dr. Lt.

771.1 — 773.0 — 774.65 — 770.30

12" C.M.P. (Rem.)

Cross Dr.

+86 ℄ Dr. Rt.

196+86 Drive
771.9

End Sod (6' wide)
Sta. 196+36

Begin 12"(D)
Sta. 196+71
Elev. 771.00

Begin 18"(D)
Sta. 196+60
Elev. 767.87

Begin Sod (6' wide)
Sta. 196+16, Lt.

196+86, 80' Lt.
Gr. El. 770.60

End Sod (6' wide)
Sta. 196+02

8" F.T.

12" V.it.

8" Stub

4" F.T.

C.B. (Rem.)

Rem. C.B.
Connect 8" thru.

+00, 0.67' Lt.
Inv. El. 768.30

Sta. 196+26, 80' Lt.
Std. No. 2-28 C.B.
Gr. El. 770.60

771.1 — 770.50 — 774.66 — 768.0

196+00
771.8

+00, 2' Lt.
Std. No. 5 C.B.
Gr. El. 770.25
F.I. 768.30
(Basin in Sag)

15"x 119' Type "B" conduit with class "B" bedding

+00, 117.45' Rt.
Inv. El. 768.00

771.5 — 770.95 — 774.90

4" F.T.

195+00
772.00

Sta. 194+90
Begin Sod (6' wide)

Sta. 194+00
Sheet Total

END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
130	55		
		379	237
126	105		
		381	409
80	116		
0	131		
311	452		
88	120		
		285	494
66	139		
		250	492
Sta. 194+00	69	116	

STA. 195+00 to STA. 198+79.

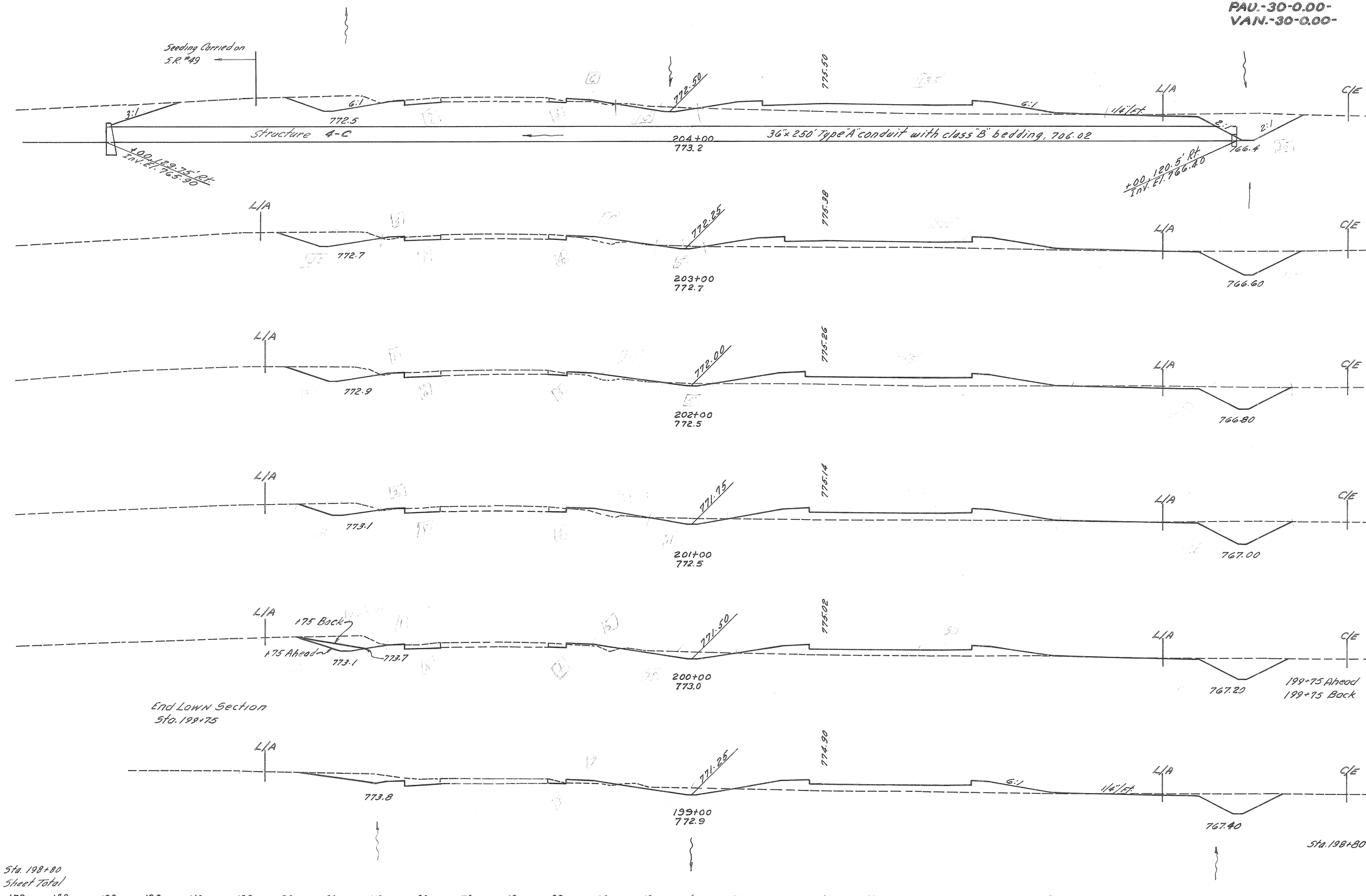
PAULDING & VAN WERT COUNTIES
PAU.-30-0.00-
VAN.-30-0.00-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Seeding Wide Sqyd.

167 1873 170 1900 172 1911 172 1911 172 1923 174 385 173 9903

Sta. 198+80 Sheet Total



End Area Cut	End Area Fill	Cu. Yd. Cut	Cu. Yd. Fill
149	141		
		496	507
119	133		
		435	498
116	136		
		424	478
113	122		
		426	406
117	97		
		108	90
117	97		
104	97		
		295	286
100	109		
		88	61
130	55		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 199+00 to STA. 204+00

PAULDING & VAN WERT COUNTIES
PAU - 30 - 0.00
VAN - 30 - 0.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Sta. 209+38, 82' Lt.
End 12"(D)
El. 773.66

Sta. 209+36, ℄
End 12"(D)
El. 772.77

Corr. for Dr. Lt. ℄ ℄

L/A

+20 ℄ Drive

773.6

Sta. 209+06, 82' Lt.
Begin 12"(D)
El. 773.60

+20, ℄ Crossover

772.85

776.10

209+00
773.1

Sta. 209+04, ℄
Begin 12"(D)
El. 772.85

6:1

3:1

769.8

Corr. for Dr. Lt. ℄ ℄

775.98

773.4

773.80

208+00
773.6

769.6

Seeding Carried on Payne Rd.

Seeding Carried on S.R. 49

775.86

773.2

773.45

207+00
774.7

769.4

775.74

6:1

773.0

773.70

206+00
773.8

3:1

769.2

Sta. 205+81.58
End 27"(A-B)
Inv. El. 769.60

Corr. for Inter.

Sta. 205+06.54
Intersection of S.R.49 - Payne Road

Corr. for Inter.

Corr: Removed Privy Vault

Sta. 205+08.70
Begin 27"(A-B)
Inv. El. 768.26

775.62

Seeding Carried on Payne Rd.

6:1

1½"/Ft.

2:1

205+00
773.7

768.2

Sta. 204+00

Seeding

Width	Sq. Yd.
	175
157	
	1734
155	
	1661
144	
	1544
134	
	1091
	3346
167	204+00
7019	Sheet Total

Corr. for Dr. Lt. ℄ ℄

Corr. for Inter.

Corr. for Inter.

End Area Cut²	End Area Fill	Cu. Yd. Cut²	Cu. Yd. Fill
		6	56
59	189		
		26.5	589
84	129		
		343	480
101	130		
		369	400
98	86		
		0	220
		914	840
		0	2
Sta. 204+00	149	141	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Sta. 205+00 to Sta. 209+00

PAULDING & VAN WERT COUNTIES
PAU - 30 - 0.00
VAN - 30 - 0.00

Seeding Wide	Seeding Sq. Yd.
52	
152	
	1689
152	
	1689
152	
	1689
152	
	1689
152	
	1717
157	
1016 2	Sheet Total

Ahead Sta. 215+00
Back Sta. 209+00

	End Area Cut	End Area Fill	Cu. Yd. Cut	Cu. Yd. Fill
	0	0	0	0
Sta. 214+05 Ahead	0	0		
Back	41	0		
			9	14
	47	150		
			187	539
	54	141		
			220	511
	65	135		
			243	500
	66	135		
			233	587
	60	182		
			220	687
Sta. 209+00	59	189		

End 8' paved shoulder - Left Lane Sta. 214+05

End Project, Sta. 214+04.16

End salvage pavement - Left Lane & Rt. Lane, Sta. 214+04.16

773.28 — 215+00, 772.9 — 776.13 — 773.42 — 773.4 — 214+00, 774.0 — 770.6 — 776.17 — 773.22 — 773.6 — 213+00, 774.6 — 770.5 — 776.21 — 773.02 — 773.8 — 212+00, 774.8 — 770.4 — 776.25 — 772.82 — 774.0 — 211+00, 774.5 — 770.2 — 776.22 — 772.60 — 773.8 — +00 / 33' Rt. El. 770.40 — 210+00, 773.5 — 770.0

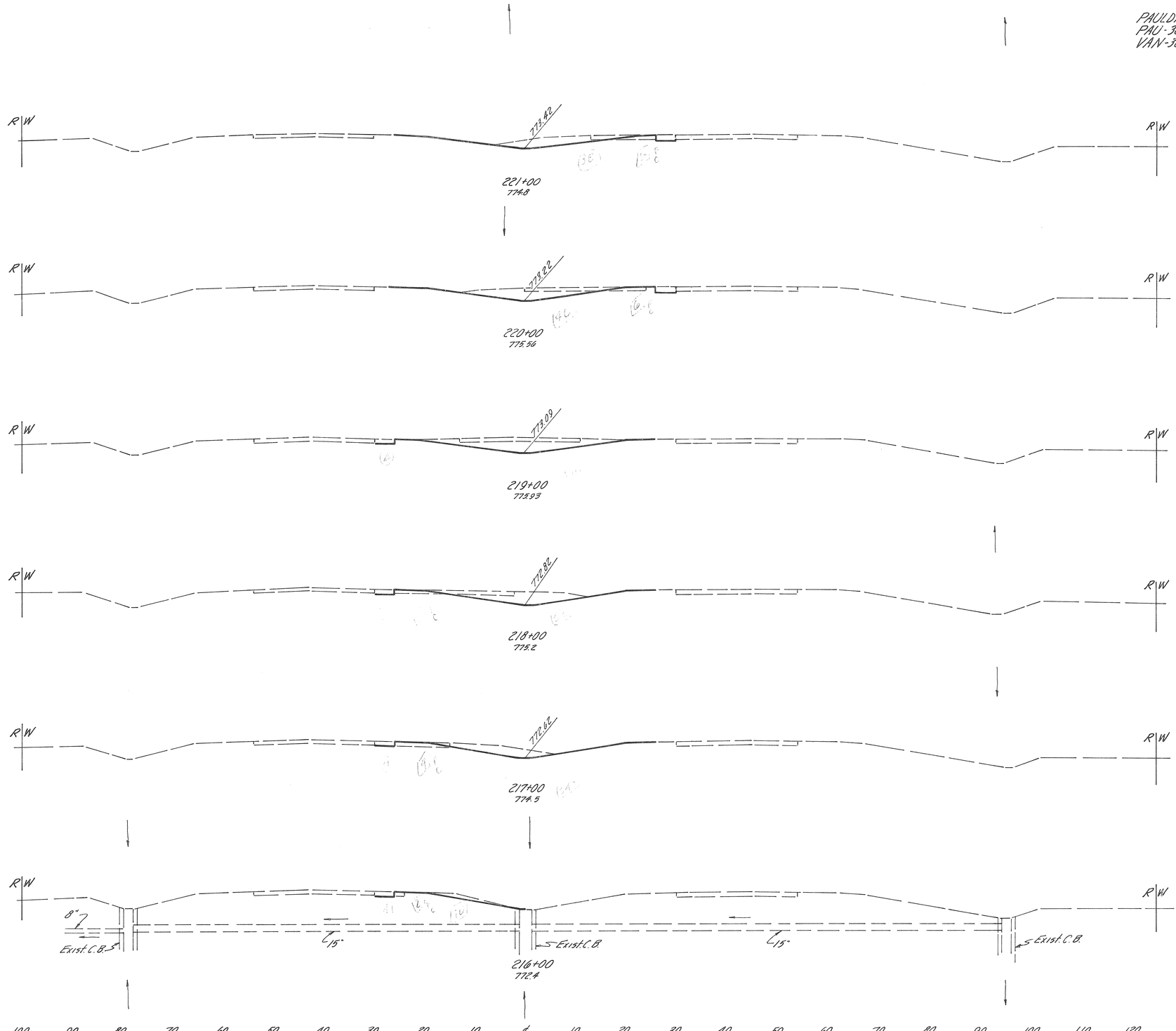
+00 & Std. No. 5 C.B. Gr. El. 772.45 Inv. El. 770.40 (Basin in Sag)

15"x97' Type "B" conduit with class "B" bedding

+00, 97.45' Rt. Inv. El. 770.25

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



Seeding Width	Sq. Yd.
52	578
52	578
52	578
52	578
52	578
52	578
52	3468

Sta. 215+00 Sheet Total

End Area Cut	End Area Fill	Cu. Yd. Cut	Cu. Yd. Fill
44	6		
		178	22
52	6		
		244	11
80	0		
		267	15
64	8		
		206	31
47	9		
		117	20
16	2		
		30	4
0	0		

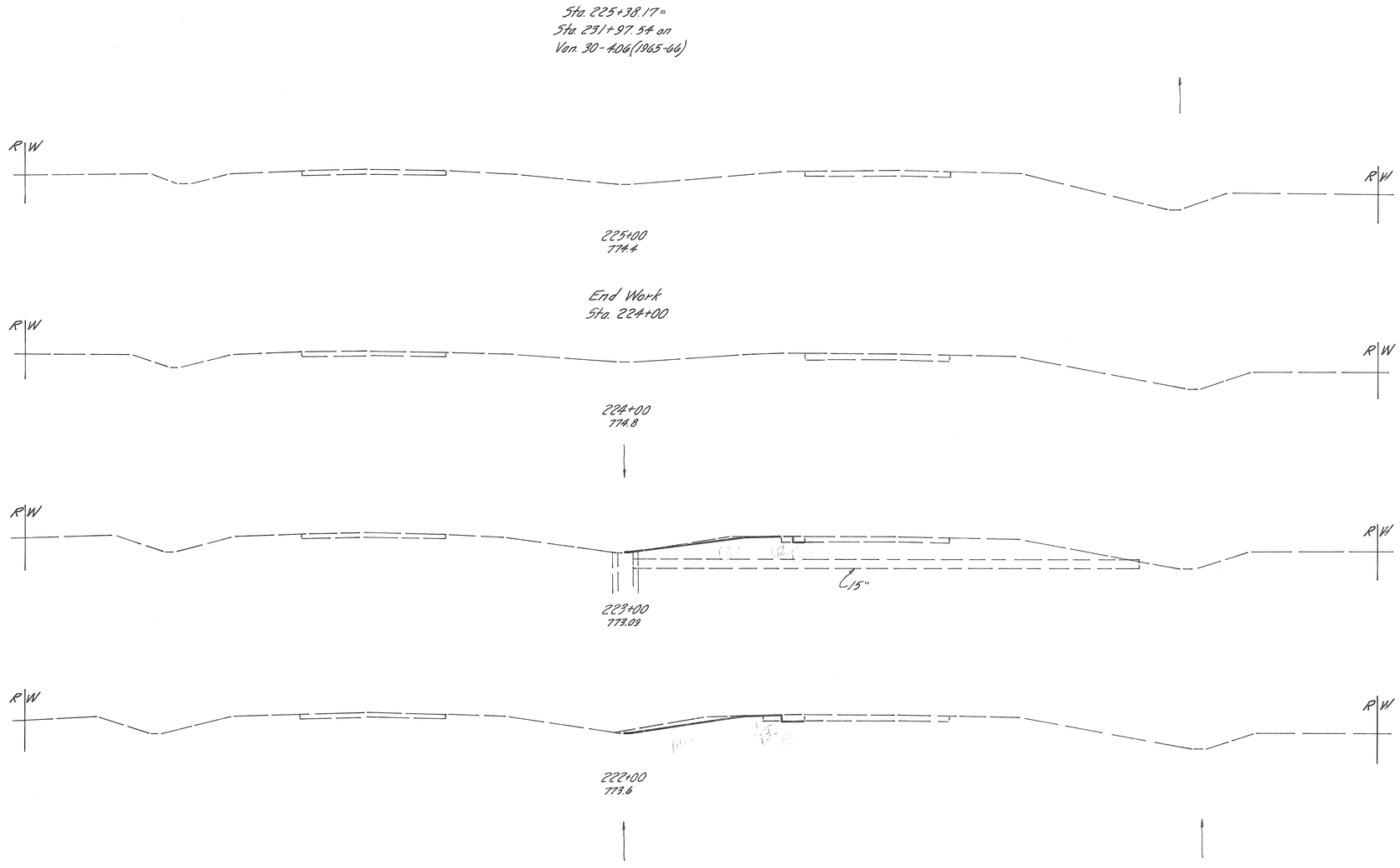
Sta. 215+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Sta. 216+00 to Sta. 221+00

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

Seeding	
Width	Sq. Yd.
0	
	289
52	
	578
52	
	578
52	
1445	



End Area		Cu. Yd.	
Cut	Fill	Cut	Fill
0	0		
		11	4
6	2		
		54	9
23	3		
		124	17
44	6		

Sta. 221+00
Sheet Total

Sta. 221+00 to Sta. 225+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

100

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

INTERSECTION NO. 1-P

Sta. 62+56.75 U.S.R. 30

Scale 0 10 20 30 40 Feet

County Line Road

CURVE DATA
P.I. Sta. 97+70.95
Δ = 51°-06' Lt.
D = 23°
R = 249.11'
T = 119.09'
L = 222.17'

CURVE DATA
P.I. Sta. 102+49.89
Δ = 38°-54' Lt.
D = 23°
R = 249.11'
T = 87.97'
L = 169.13'

CURVE DATA
P.I. Sta. 47+64.95
Δ = 38°-54' Rt.
D = 23°
R = 249.11'
T = 87.97'
L = 169.13'

Sta. 46+76.98 = P.C. Sta. 46+76.98 Ex. St.
Sta. 48+56.67 = P.T. Sta. 48+56.67 Ex. St.

Sta. 53+25.00 Ex. St. 10' Rt. = P.C. Sta. 96+51.86

Sta. 98+79.32 Klinger Rd. T.R. 21 = Sta. 48+50.65 County Line Rd.

Sta. 49+74.03 = P.C. Sta. 101+61.92

Sta. 103+91.05 = P.T. Sta. 103+91.05

Sta. 100+00 = Sta. 51+05.75

Sta. 47+89.77 T.R. 21 = Sta. 49+03.48 T.R. 12

Sta. 62+56.75 on U.S.R. 30 = Sta. 49+38.75 on T.R. 21

Shed, Trailer, Res., Garage, Stone Area, Dr., Summer Kitchen, Res., Gar., Barn, Section Stone, Survey, Lincoln Drive (Abandon), County Line Rd. T.R. 12, Klinger Rd. T.R. 21, Tan. to Curve, Sod 6' Wide, Begin 10' Div., End Transition 10' Div., Begin 10' Transition, 250' Taper, 9" Stone Dr., 11" Stone Dr., 8" Thickness

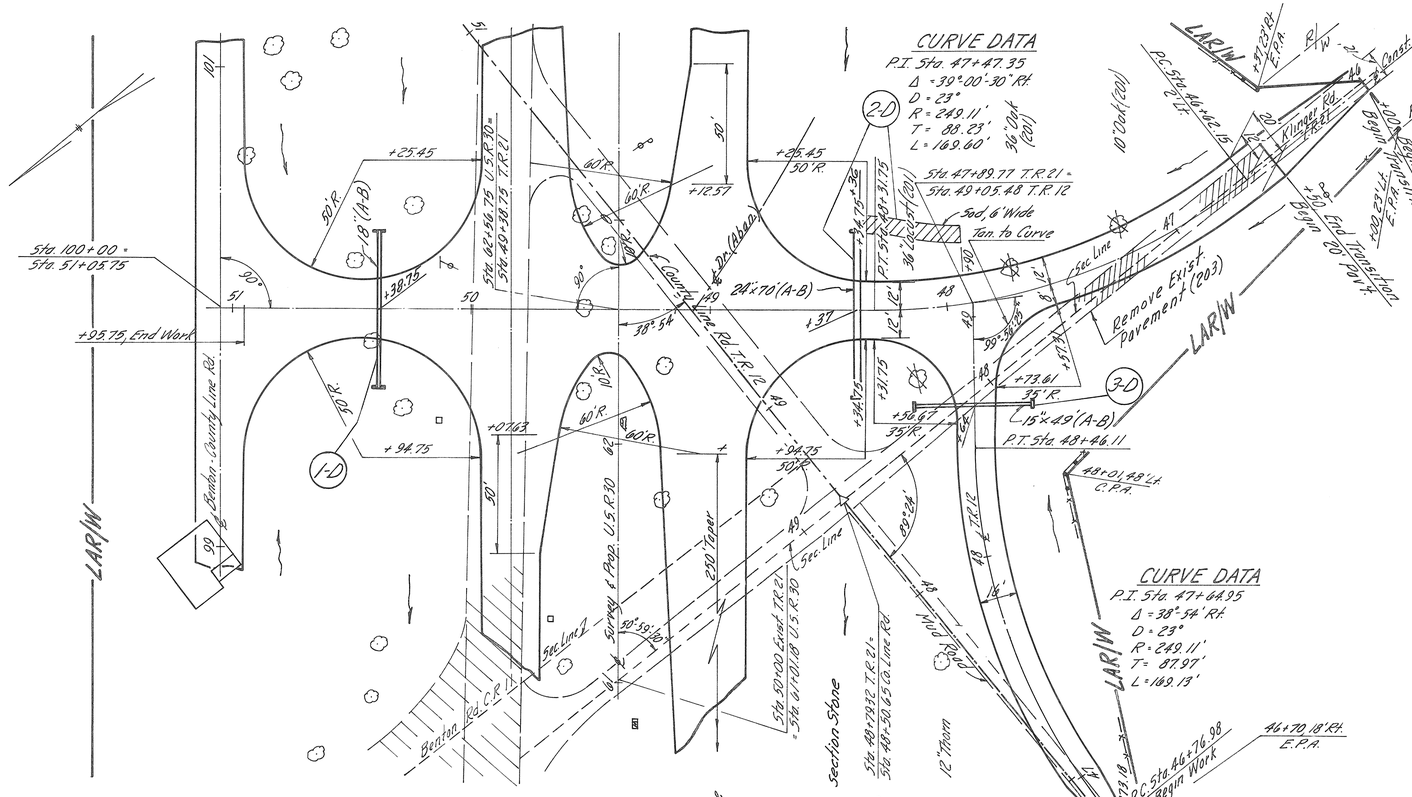
PAVEMENT COMPUTATIONS

Station From	Station To	203 Subgrade Preparation	301 Bituminous Aggregate Base	302 3" Asphaltic Concrete	304 6" Aggregate Base	310 4" Subbase	310 6" Subbase	402 1½" Asphaltic Concrete 65-100	402 1½" Asphaltic Concrete 70-85	404 1½" Aspt. Conc. 65-100	404 1½" Aspt. Conc. 70-85	408 Bituminous Prime	409 Seal Coat Bituminous	409 Seal Coat Aggregate	605 Aggregate Underdrains
		Sq. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Gal.	Gal.	Cu. Yd.	Lin. Ft.
Klinger Road															
46+00	46+50	22.2			6.48	4.32		1.54		3.09		35.5			
46+50	48+34.75	429.2			74.96	52.25		14.91		14.91		179.9			65.6
48+34.75	48+84.75	214.3	-3.20		36.23	19.78		8.77		8.77		101.0	-11.4	-.30	16.4
Crossover	& Tapers	882.6	122.92	74.38	-1.52		154.55		31.02		31.02		-3.2	-.09	
49+95.75	50+95.75	466.7	-3.20		78.63	48.23		17.54		17.54		200.0	-11.4	-.30	16.4
County Line Road															
46+76.98	48+56.67	311.8			*69.29										82.0
48+36.67	48+93.48	110.0			18.12	11.94		3.82		3.82					16.4
Benton & County Line															
95+77.46	96+25	21.1			5.72	4.10		2.94		2.94		33.8			
96+25	103+75	1666.7			291.67	201.68		57.89		57.89		700.0			278.4
103+75	104+25	22.2			4.17	3.09		3.47		3.47		40.0			
Totals		4147.10	116.52	74.38	583.75	501.94		110.88	31.02	112.43	31.02	1292.2	-26.0	-.69	475.2

*8" Thickness

INTERSECTION DETAIL NO. 1-P (County Line Road)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 24" A-B	603 Conduit Lin. Ft. 18" A-B	603 Conduit Lin. Ft. 15" A-B	602 Concrete Masonry HW-E Cu. Yd.	660 Sodding Sq. Yd.	202 Building Removed Lump	202 Sidewalk Removed Sq. Ft.	202 Pavement Surface Removed Lump	Special Drilled Well Abandon Each	Special Clean Disposal Septic Tank Each
1-D	50+38.75		℄		68†		0.60						
2-D	47+90	48+37	℄	70‡			0.82	31					
3-D	48+64**		℄			49†	0.32						
4-D	98+70****	101+93							Lump	195	Lump	1	1
Totals				70	68	49	1.94	31	Lump	195	Lump	1	1

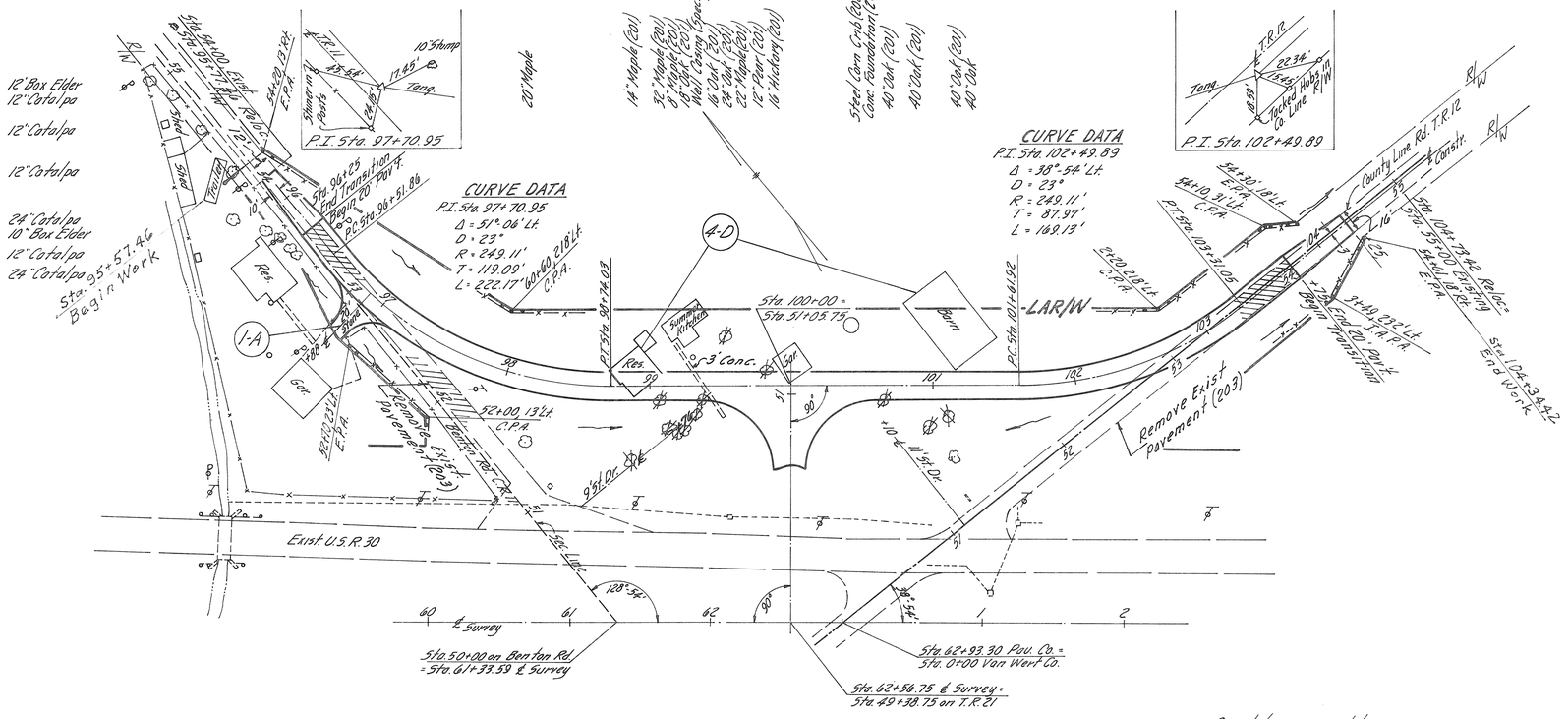
SIDE APPROACHES

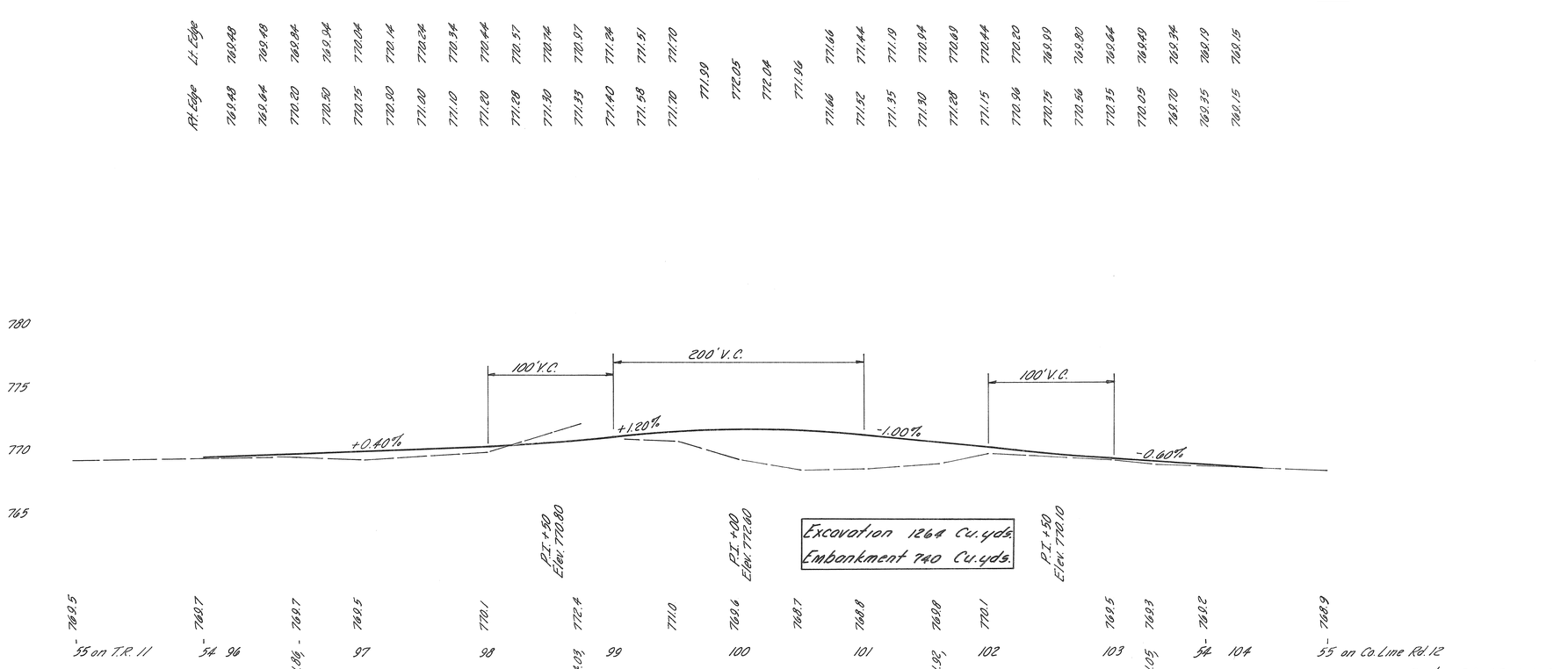
Ref. No.	Station	Side	304 Aggre. Base Cu. Yd.	404 Asph. Conc. Cu. Yd.	Width	Length	Remarks
1-A	96+88	Rt.	14.97	5.97	20'	28'	Res. Dr.
Totals			14.97	5.97			

† 706.01, 706.02, 706.08
‡ 706.02, 706.08
○ Parcel No. 8WL

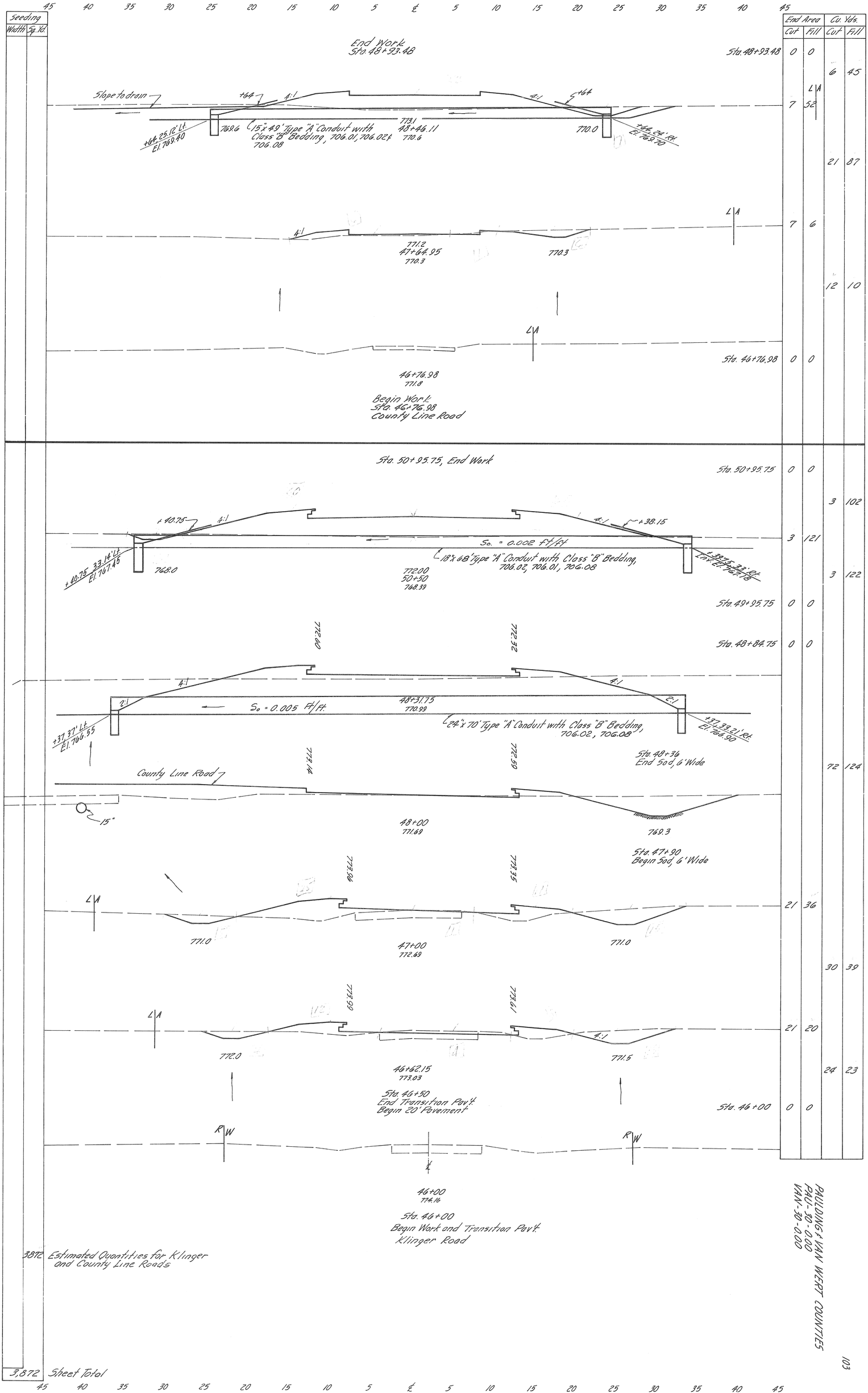
* County Line Road
** Benton – County Line Road, See Sheet No. 102

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





Benton Rd. T.R. 11 & County Line Rd. T.R. 12 Connection Lanes Sta. 55+00 T.R. 11 to Sta. 55+00 T.R. 12


Seeding
Width
Sq. Yd.
45 40 35 30 25 20 15 10 5 ℄ 5 10 15 20 25 30 35 40 45
End Area
Cut
Fill
Cu. Yds.
Cut
Fill
End Work
Sta 48+93.48
Sta. 48+93.48
0
0
Slope to drain
+64
4:1
+64
4:1
+64
L/A
7
52
6
45
+64, 25.12' Lt.
El. 769.40
769.6
15"x 49' Type "A" Conduit with
Class "B" Bedding, 706.01, 706.02
706.08
773.1
48+46.11
770.6
770.0
+64, 24' Rt.
El. 769.70
21
87
L/A
4:1
7
6
771.2
47+64.95
770.3
770.3
12
10
L/A
Sta. 46+76.98
0
0
46+76.98
771.8
Begin Work
Sta. 46+76.98
County Line Road
Sta. 50+95.75, End Work
Sta. 50+95.75
0
0
3
102
+40.75
4:1
4:1
+38.15
So = 0.002 Ft/Ft
3
121
+40.75, 33.14' Lt.
El. 767.46
768.0
18"x 68" Type "A" Conduit with Class "B" Bedding,
706.02, 706.01, 706.08
772.00
50+50
768.39
+38.15, 33.10' Rt.
El. 767.78
3
122
Sta. 49+95.75
0
0
772.00
772.32
Sta. 48+84.75
0
0
4:1
4:1
2:1
2:1
So = 0.005 Ft/Ft.
48+31.75
770.99
+37.37' Lt.
El. 769.55
24"x 70' Type "A" Conduit with Class "B" Bedding,
706.02, 706.08
+37.39, 21' Rt.
El. 769.90
773.14
772.59
Sta. 48+34
End Sod, 6' Wide
72
124
County Line Road
15"
48+00
771.69
769.3
Sta. 47+90
Begin Sod, 6' Wide
773.84
773.35
L/A
21
36
771.0
47+00
772.69
771.0
30
39
773.99
774.41
L/A
4:1
21
20
772.0
771.5
46+62.15
773.03
24
23
Sta. 46+50
End Transition Pavt.
Begin 20' Pavement
Sta. 46+00
0
0
R/W
R/W
℄
46+00
774.16
Sta. 46+00
Begin Work and Transition Pavt.
Klinger Road
3872
Estimated Quantities for Klinger
and County Line Roads
3,872
Sheet Total
45 40 35 30 25 20 15 10 5 ℄ 5 10 15 20 25 30 35 40 45
Intersection of Klinger Rd. T.R. 11, and Prop. U.S. 30, Sta. 46+00 to Sta. 50+50, and County Line Road
PAULDING & VAN WERT COUNTIES
FAU-30-D.000
VAN-30-D.000
103

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

	Co. Yds. Fill	Co. Yds. Cut	End Areas Fill	End Areas Cut
	206	128	103	7
	8	182	8	62
	0	140	0	135
	16	278	0	154
	43	143	12	49
	12	0	11	28
	6	26	8	28
	9	50	6	32
	0	0	0	0

℄ Profile of intersecting road

97+00 Ahead
96+75 Back
Corr. for Dr. Rt.

Sta. 95+77.46 Rel. Loc.
= Sta. 54+00, Begin Transition
100.27

Sta. 95+77.46

96+88
℄ Drive, Sta.
400 Ahead
1+75 Back

96+25, End Transition, Begin 20' Pav't.

96+51.06
Sta.

55+00
100.11

RW

771.70
768.5
771.30
768.6
House
771.33
768.05
771.20
768.8
770.75
770.02

771.98
100+50
768.7
772.05
100+00
768.6
99+50
771.0
99+00
98+74.03
772.4
98+00
770.1
97+00
769.5

770.70
768.1
770.94
768.15
770.97
768.2
768.23
770.44
768.3
770.04
768.4
769.84
768.5

Corr. for Dr. Rt.

Corr. for Existing Roadway
Ahead
Sta 95+77.46
Back

Sheet Total

	Seeding Width Sq. Yd.
	76
	839
	75
	409
	72
	212
	75
	621
	76
	703
	65
	60
	295
	43
	295
	183
	20
	0
	3577

Lin. Ft. 54'

Benton Rd. T.R. 11, Sta. 55+00 to Sta. 100+50 on Connecting Rd.

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

	End Area	Cu. Yds.
	Cut	Cut
	Fill	Fill
	0	0
	11	19
	22	40
	22	30
	72	111
	33	40
	118	48
	162	29
	103	7
	72	24
	29	1000
	162	50

Sta. 104+25 End Transition

104+73.42 Reloc. = 55+00 Exist. 768.8

Sta. 103+35 End 20' Pav't Begin Transition

103+73.42 769.1

103+31.05 768.3

103+00 768.5

102+00 770.1

101+46.82 768.8

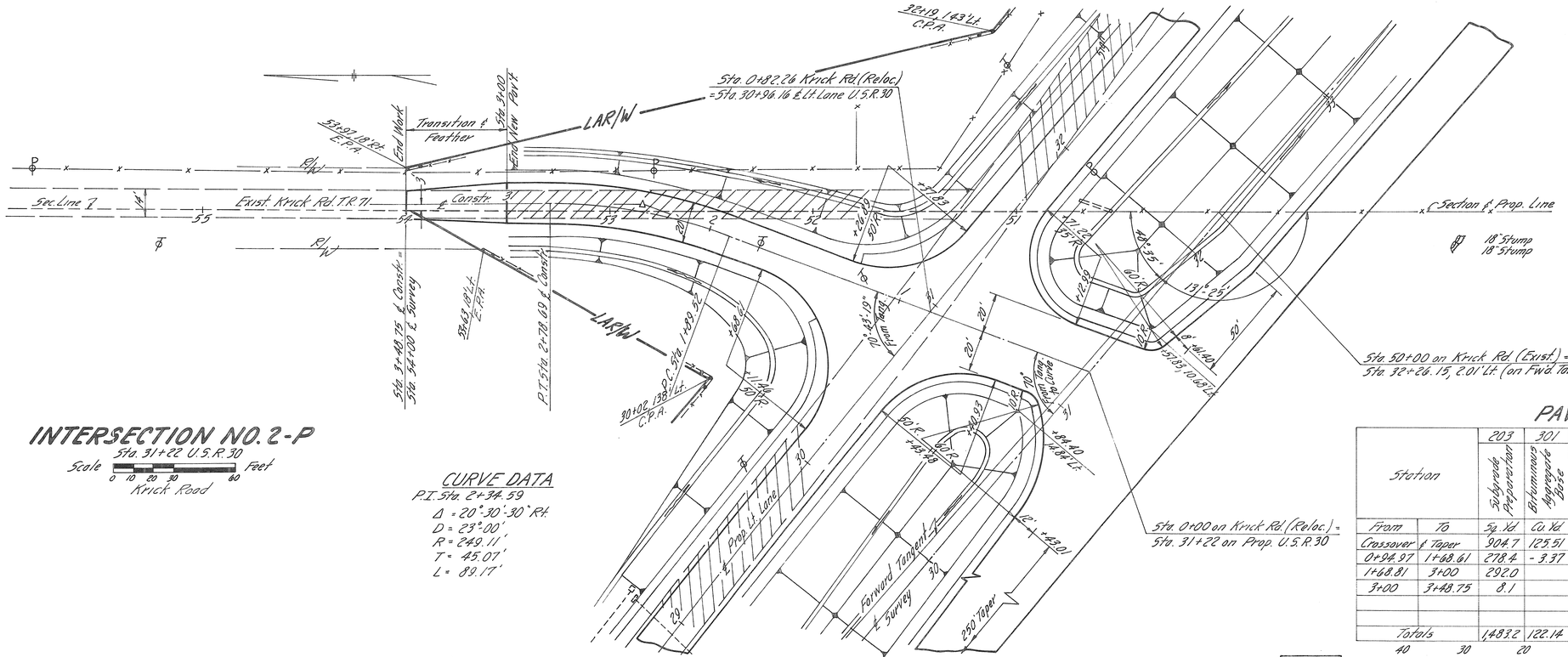
101+00 768.8

Sta. 101+00 on Connecting Rd. to Sta. 55+00 Co. Line Rd. T.R. 12

Corr. for Benton & County Line Rd. Inter.

	Seeding Width & Yd.
Ahead	
Sta. 104+25 Back	0
	20
	209
	53
	230
	53
	183
	53
	733
	79
	330
	77
	533
	78
	216
	428
102+50 Sheet Total	24.50

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



INTERSECTION NO. 2-P

Sta. 31+22 U.S.R. 30

Scale 0 10 20 30 80 Feet

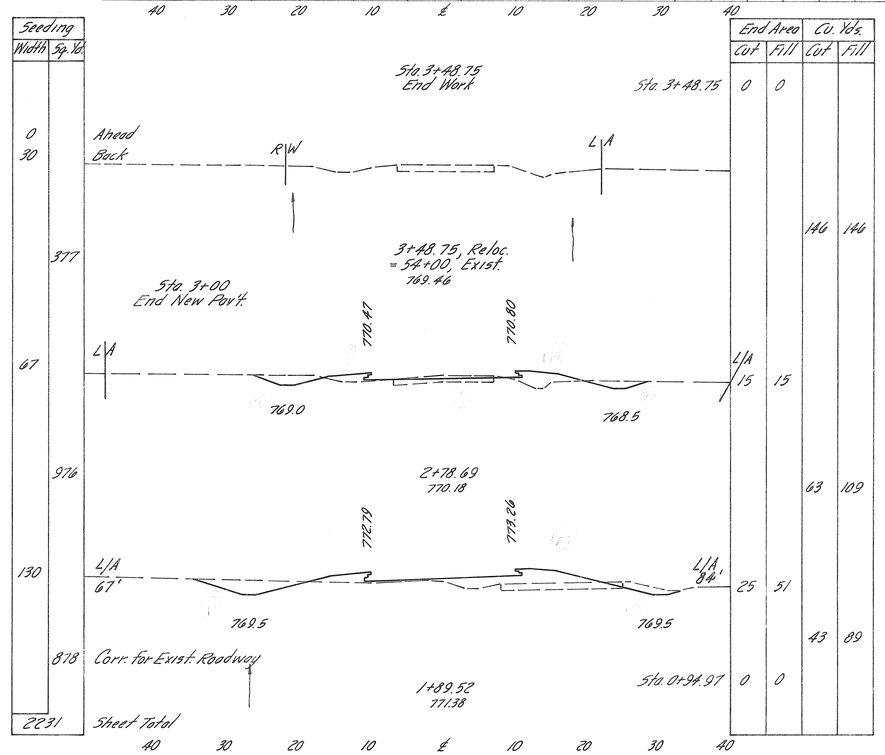
Krick Road

CURVE DATA

P.I. Sta. 2+34.59
Δ = 20°-30'-30" Rt.
D = 23°-00'
R = 249.11'
T = 45.07'
L = 89.17'

PAVEMENT COMPUTATIONS

Station		203	301	302	304	310		402		404		408	409		605
		Subgrade Preparation	Bituminous Aggregate Base	3" Asphalt Concrete	6" Aggregate Base	4" Subbase	6" Subbase	1½" Asphalt Concrete BS-1.00	1¼" Asphalt Concrete BP-.85	4" Asph. Conc. BS-1.00	1¼ Asph. Conc. BP-.85	Bituminous Prime	Seal Coat Bituminous	Seal Coat Aggregate	Aggregate Underdrains
From	To	Sq. Yd	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Gal.	Gal.	Cu. Yd.	Lin. Ft.
Crossover	℄ Taper	904.7	125.51	75.00	0.73		155.30		31.25		31.25		-1.5	-.04	
0+94.97	1+68.61	278.4	- 3.37		46.88	26.79		11.06		11.06		127.0	-12.4	- .32	32.8
1+68.81	3+00	292.0			51.09	35.68		10.14		10.14		122.6			49.2
3+00	3+48.75	8.1			4.97	3.61		1.04		2.08		11.9			
Totals		1,483.2	122.14	75.00	103.67	221.38		22.24	31.25	23.28	31.25	261.5	-13.9	-.36	82.0
		40	30	20	10	℄	10	20	30	40					



Intersection Detail No. 2-P, Krick Road, From Prop. Sta. 0+00 to Exist. Sta. 55+00

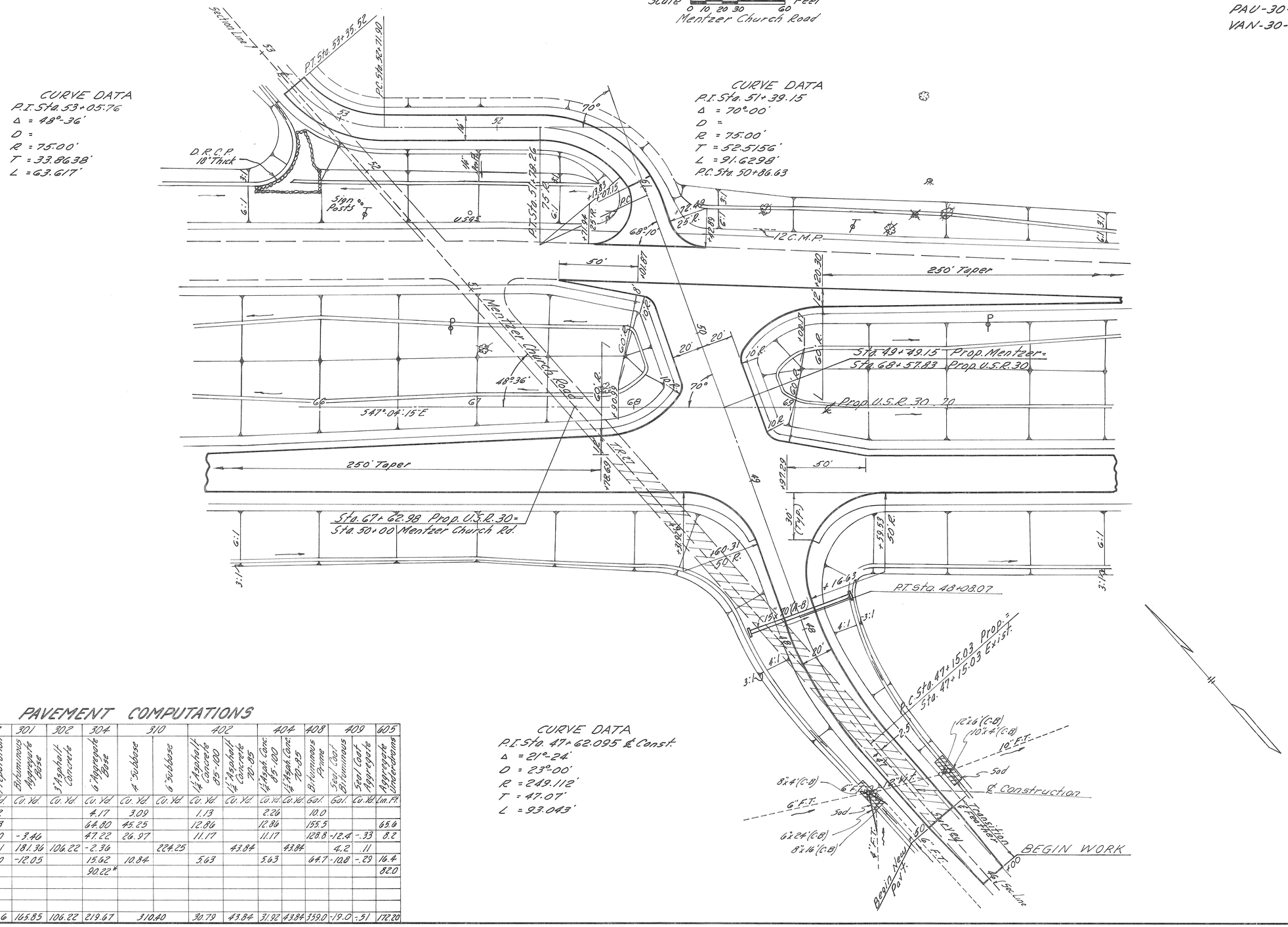
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

107

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

INTERSECTION No. 3 - P

Sta. 68+57.83 Prop. U.S.R. 30
Scale 0 10 20 30 60 Feet
Mentzer Church Road



CURVE DATA
P.I. Sta. 53+05.76
Δ = 48°-36'
D =
R = 75.00'
T = 33.8638'
L = 63.617'

CURVE DATA
P.I. Sta. 51+39.15
Δ = 70°-00'
D =
R = 75.00'
T = 52.5156'
L = 91.6298'
P.C. Sta. 50+86.63

CURVE DATA
P.I. Sta. 47+62.095 ℄ Const.
Δ = 21°-24'
D = 23°-00'
R = 249.112'
T = 47.07'
L = 93.043'

PAVEMENT COMPUTATIONS

Station		203	301	302	304	310		402		404		408	409		605
		Subgrade Preparation	Bituminous Aggregate Base	3" Asphalt Concrete	6" Aggregate Base	4" Subbase	6" Subbase	1½" Asphalt Concrete 25-00	1½" Asphalt Concrete 70-25	1½" Asph. Conc. 25-00	¾" Asph. Conc. 70-25	Bituminous Prime	Seal Coat Bituminous	Seal Coat Aggregate	Aggregate Underdrains
From	To	Sq. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Gal.	Gal.	Cu. Yd.	Lin. Ft.
46+00	46+50	22.2			4.17	3.09		1.13		2.26		10.0			
46+50	48+16.63	370.3			64.80	45.25		12.86		12.86		155.5			65.6
48+16.63	48+91.68	280.0	-3.46		47.22	26.97		11.17		11.17		128.8	-12.4	-.33	8.2
Crossover & Tapers		1278.1	181.36	106.22	-2.36		224.25		43.84		43.84		4.2	.11	
50+50	51+07.15	126.0	-12.05		15.62	10.84		5.63		5.63		64.7	-10.8	-.29	16.4
51+07.15	53+35.52				90.22*										82.0
Totals		2076.6	165.85	106.22	219.67	310.40		30.79	43.84	31.92	43.84	359.0	-19.0	-.51	172.20

*8" Thickness

INTERSECTION DETAIL No. 3 - P (Mentzer Church)

PAULDING & VAN WERT COUNTIES
PAU-30- 0.00
VAN-30- 0.00

Begin Sheet Sta 50+00

Sta. 55+00, Exist. 5/8"ø Gd. Pin
End Work

Dirt Road

OPEN DITCH

4"F.T.T.

Section Line 7

CURVE-DATA
P.I. Sta. 53+05.76
Δ = 48°-36' Lt.
D =
R = 75.00'
T = 33.86'
L = 63.62'

Sign Posts

10" Walnut
U.S.R. 30
Survey
Sec. Line 2
Existing Mentzer Church Rd.
18" Ash
6" Sign Post
Prop. U.S.R. 30
Target
Button in E.P.
19°-24'

Sta. 50+00, Mentzer-Church Rd.
= Sta. 67+62.98, Prop. U.S.R. 30

CURVE DATA
P.I. Sta. 51+39.15
Δ = 70°-00' Rt.
D =
R = 75.00'
T = 52.52'
L = 91.63'

+82.5 ℄ Fld Dr. 12" C.M.P.

P.C. Sta. 51+13.37
End Curb & Gutter

P.T. Sta. 52+71.00
End Curb & Gutter

P.C. Sta. 52+78.26
P.T. Sta. 53+05.65

0.1535

L/R/W

Sta. 49+49.15 Prop. = Sta. 68+57.83 U.S.R. 30

Sta. 48+48.23 Ft. Std. No. 2-24 C.B.

2 Brick C.B. (2nd)

New Box Culvert

P.C. Sta. 47+15.03 Exist.

+58, 118 Rt. C.P.A.

+30

P.T. Sta. 47+15.03 Exist.

Sta. 47+15.03 Prop. = Sta. 68+57.83 U.S.R. 30

Const. ℄

1-D

+00, 38' Rt. E.P.A.

L/R/W 10'-4"(C-B)

Transition & Feather

Sqd 6x24"

Begin Box Culvert

Const. 7.46

R/W

18" F/d Dr. +59

12" C.M.P.

Sta. 42+00

End Sheet

Remove Existing Pavement (203)

Remove 122.8'(C-B)

8"x 16'(C-B)

8"x 4'(C-B)

6" F.T.T.

6"x 24'(C-B)

4" F.T.T.

3-D

2-D

+00, 38' Lt. E.P.A.

Sqd 6x24"

CURVE DATA
P.I. Sta. 47+62.10
Δ = 21°-24' Lt.
D = 23°-00'
R = 249.11'
T = 47.07'
L = 93.04'

Sta. 50+00, @ Mentzer-Church Rd.
= Sta. 67+62.98, Prop. U.S.R. 30

PROP. U.S.R. 30

S 47°-04'-15" E

B.M. #22, U.S.G.S.
Sta. 66+97, 124.5' Lt.
Elev. 778.31

Sta. 46+93.39 Ft.
Std. No. 2-24 C.B.
2-2 Brick C.B. (2nd)

Mentzer

Church

Road

Survey

Sec. Line 7

T.R. 27

End of Lawn

+03

Shed

Shed

12' Conc. S.W.

6" Pine
6" Pine
Lilac Bush

SHEET SUMMARY											
Ref. No.	Station		Side	603 Conduit Lin. Ft.					604 Std. No. 2-24 C.B.	660 Sodding	202 C.B. Removed
				10"	12"	15"	8"	6"			
	From	To		C-B	C-B	A-B	C-B	C-B	Each	Cu. Yd.	Each
1-D	46+68	46+70	Rt.	4	6				1	16	1
2-D	46+89	46+96	Lt.		8		20	24	1	16	2
3-D	48+10		Lt.			70*					
Totals				4	14	70	20	24	2	32	3

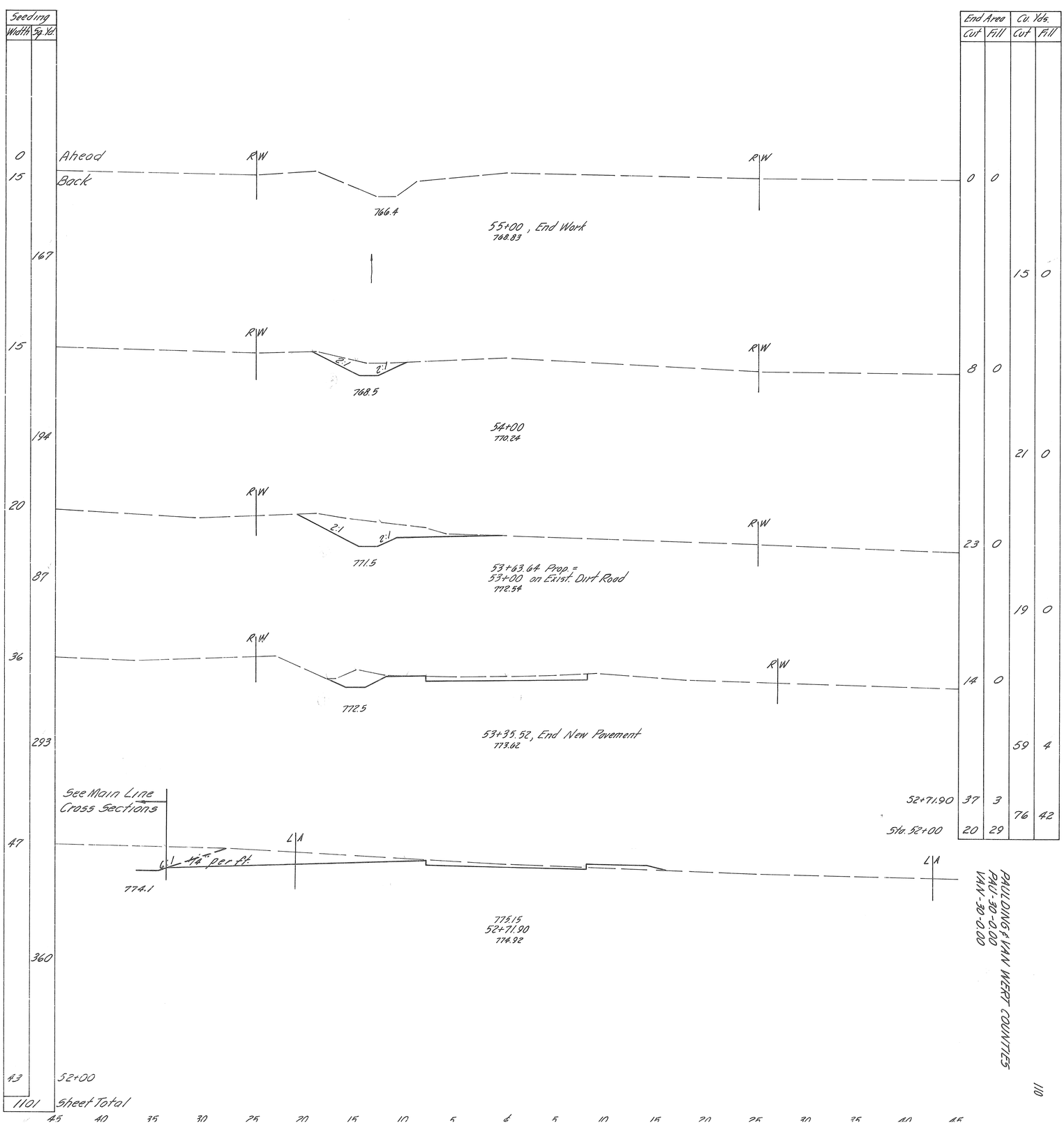
* 706.01, 706.02, 706.08

| | | | | | | | | | | |

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

	Cor. Yds.	Cor. Fill	End Area Cor.	Fill
	30	14	29	20
	106	10	45	14
	151	0	102	0
	256	22	0	0
	381	45	0	0
	22	9	165	14
	44	39	56	12
			24	21
			0	0

Sta. 50+59.00
Sta. 49+91.68
Sta. 46+60.31
Sta. 48+08.07
Sta. 47+15.03
Sta. 45+00
Sta. 46+80, Begin Work
Sta. 46+80, Begin New Pavement
Sta. 46+69.23' Rt.
Sta. No. 2 2+4 C.B.
Gr. Elev. 771.50
Sta. 46+69.23' Rt.
Sta. No. 2 2+4 C.B.
Gr. Elev. 771.70
Sta. 46+70
Remove 12"ø C.B.
12"ø Vit.
Remove 18"ø C.B.
18"ø Vit.
Remove 8"x4" C.B.
8"x4" C.B.
Sta. 46+89
Remove
Sta. 46+89
Remove
Sta. 46+89
Remove
+10.55' Lt. El. 771.66
+10.44' Rt. El. 771.68
+30 771.7
771.5
771.2
771.5
771.7
771.9
771.1
771.2
771.1
771.0
771.0
771.1
771.0
771.0
771.0


Seeding
Width
Sq. Yd.
End Area
Cut
Fill
Cu. Yds.
Cut
Fill
0
15
Ahead
Back
R\W
R\W
766.4
55+00, End Work
768.83
0
0
167
15
0
15
R\W
R\W
2:1
2:1
768.5
54+00
770.24
8
0
194
21
0
20
R\W
R\W
2:1
2:1
771.5
53+63.64 Prop. =
53+00 on Exist. Dirt Road
772.54
23
0
87
19
0
36
R\W
R\W
772.5
53+35.52, End New Pavement
773.02
14
0
293
59
4
See Main Line
Cross Sections
52+71.90
37
3
76
42
Sta. 52+00
20
29
47
L\A
L\A
6" 4½" per ft.
774.1
775.15
52+71.90
774.92
360
43
52+00
1101
Sheet Total
45
40
35
30
25
20
15
10
5
0
5
10
15
20
25
30
35
40
45
Montour Church Rd, Sta 52+71.90 to Sta. 55+00
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00
110

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

111

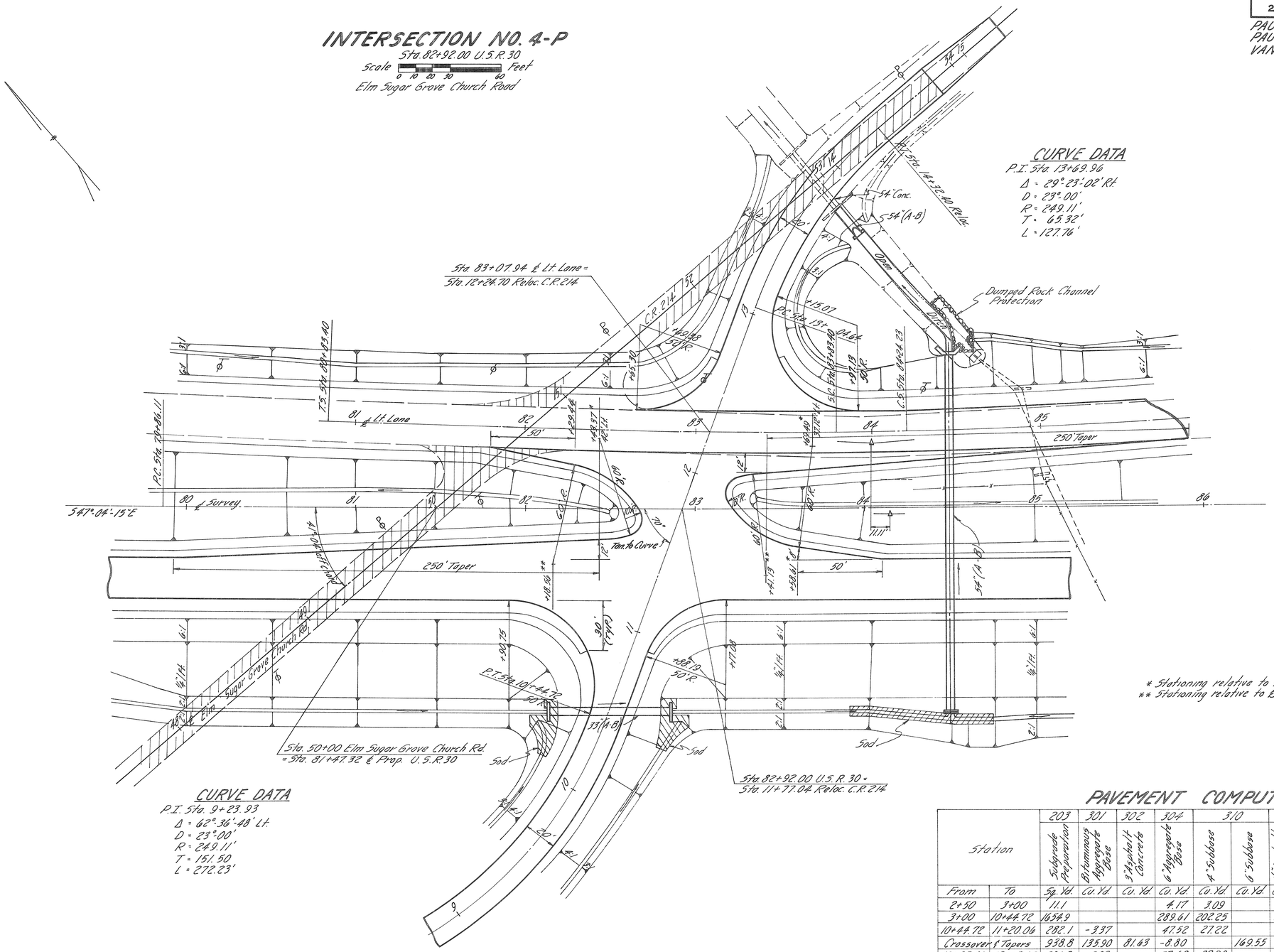
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

INTERSECTION NO. 4-P

Sta. 82+92.00 U.S.R. 30

Scale 0 10 20 30 60 Feet

Elm Sugar Grove Church Road



CURVE DATA

P.I. Sta 13+69.96
Δ = 29°-23'-02" Rt.
D = 23°-00'
R = 249.11'
T = 65.32'
L = 127.76'

CURVE DATA

P.I. Sta. 9+23.93
Δ = 62°-36'-48" Lt.
D = 23°-00'
R = 249.11'
T = 151.50
L = 272.23'

* Stationing relative to ℄ U.S.R. 30 (Prop.)
** Stationing relative to ℄ Lt. Lane.

PAVEMENT COMPUTATIONS

Station		203	301	302	304	310		402		404		408	409		605
		Subgrade Preparation	Bituminous Aggregate Base	3" Asphaltic Concrete	6" Aggregate Base	4" Subbase	6" Subbase	1½" Asphaltic Concrete 85-100	1¼" Asphaltic Concrete 70-85	1½" Asph. Conc. 85-100	1¼" Asph. Conc. 70-85	Bituminous Prime	Seal Coat Bituminous	Seal Coat Aggregate	Aggregate Underdrains
From	To	Sq. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Gal.	Gal.	Cu. Yd.	Lin. Ft.
2+50	3+00	11.1			4.17	3.09		1.13		2.26		4.4			16.4
3+00	10+44.72	1654.9			289.61	202.25		57.48		57.48		695.1			254.2
10+44.72	11+20.06	282.1	-3.37		47.52	27.22		11.19		11.19		128.9	-12.0	-.32	16.4
Crossover & Tapers		938.8	135.90	81.63	-8.80		169.55		33.70		33.70		-9.4	-.25	
12+37.41	13+15.07	291.2	-3.83		77.60	32.90		11.68		11.68		134.5	-13.5	-.36	16.4
13+15.07	14+75	355.4			62.19	43.43		12.34		12.34		149.3			57.4
14+75	15+25	11.1			4.17	3.09		1.13		2.25		26.0			
Totals		3544.6	128.70	81.63	476.46	481.53		94.95	33.70	97.20	33.70	1138.2	-34.9	-.93	360.8

INTERSECTION DETAIL NO. 4-P (Elm Sugar Grove Church Road)

PAULDING & VAN WERT COUNTIES
PAU.-30-0.00
VAN-30-0.00

P.O.T.
Sta. 39+61.70, Sec. Stone
N.E. Cor. of Sec. 8, Tully Twp.

Sta. 42+00 Exist. = Sta. 2+00 Reloc.

Begin Sheet

Transition & Feather

Begin Work

Sta. 3+00 Begin New Part.

P.C. Sta. 3+63.05

8"x180'(B-B)

R/W

L.A.R/W

I-D

Remove Existing Pavement (203)

16"x100', 58' Lt. E.P.A.

12"x8 E.P.A.

6 F.T.

℄ Elm & Sugar Grove Church Rd.

℄ 16' B.R. Top

(Aban.)

CURVE DATA
P.I. Sta. 5+05.46
Δ = 33°-13'-46" Rt.
D = 12°-00'
R = 477.46'
T = 142.47'
L = 276.91'
E = 20.81'

P.C. Sta. 7+77.49

CURVE DATA
P.I. Sta. 9+23.93
Δ = 62°-36'-48" Lt.
D = 23°-00'
R = 249.11'
T = 151.50'
L = 272.23'

P.T. Sta. 9+99.06

P.T. Sta. 10+49.72

8"(E)

Sod

5-C

5' Sod

83+18.13 Rt. E.P.A.

Sta. 82+92.00 on U.S.R. 30 =
Sta. 11+77.04 C.R. 214 (Reloc.)

81+98.29 Rt. E.P.A.

For Structure 5-C
See Sheet No. 147

B.M. #24, spike in ℄
Sta. 78+83.5, 87' Lt.
Elev. 773.40

Sta. 50+00, ℄ Elm Sugar Grove Church Rd.
= Sta. 81+47.32, ℄ Prop. U.S.R. 30

Sta. 83+07.94 ℄ Lt. Lane =
Sta. 12+24.70 C.R. 214 (Reloc.)

32"x28' Lt. E.P.A.

54" Conc. Culvert

CURVE DATA
P.I. Sta. 13+69.96
Δ = 29°-23'-02" Rt.
D = 23°-00'
R = 249.11'
T = 65.32'
L = 127.76'

55"x20' Lt. E.P.A.

Transition & Feather

55"x20' Rt. E.P.A.

Sta. 57+00

C.R. 214

2-D

P.C. Sta. 13+04.64

P.T. Sta. 14+32.40

54"x23' (A-A)

54"x23' (A-A)

P.T. Sta. 14+74.23

Sta. W 175 End New Part.

Sta. 15+25

Sta. 15+80.74 Reloc.
Sta. 55+00 Exist.
End Work

55"x20' Rt. E.P.A.

Mach. Shed

Barn

40 Ft. Dr.

End Sheet

Sta. 57+00 Exist.

Sta. 39+61.70, Sec. Stone
N.E. Cor. of Sec. 8, Tully Twp.

Center of Church Rd.

25.11

26.99

Sta. 50+00, Elm S.G. Church Rd.
Sta. 81+47.32, ℄ Prop. U.S.R. 30

P.C.

Tacked Hub

A1°-04'

R 16.75

S.R.

20.00'

U.S.R. 30

℄ R.R. Spike

Elm Sugar Grove Church Rd.

Exist.

2.1' Conc. Wall

P.O.T. Sta. 58+00

Tacked Hub

19.65'

40.05'

SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 conduit Lin. Ft. 33" A-B	54" A-B	8" B-B	602 Concrete Masonry HA-E Cu.Yd.	660 Sodding Sq.Yd.	202 Remove Part of Structure Lump
5-C	10+49.40		℄	74*			1.10	68	
I-D	3+80	5+55	Rt.			180			
2-D	13+80.37		Rt.		22*		0.96		Lump
Totals				74	22	180	2.06	68	Lump

* 706.02, 706.08

Lt. Edge / Rt. Edge

774.06 / 774.02
774.16 / 773.90
774.32 / 773.78
774.40 / 773.72
774.47 / 773.67
774.47 / 773.63
774.47 / 773.61
775.02 / 773.60
775.08 / 773.60
775.08 / 773.60
775.08 / 773.60
775.02 / 773.60
774.86 / 773.60
774.64 / 773.60
774.42 / 773.60
774.20 / 773.60
773.98 / 773.60
773.76 / 773.60
773.60 / 773.60
773.60 / 773.60
773.60

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

	Cut	Fill	Cu. Yds. Cut	Cu. Yds. Fill
End Area	15	43	16	41
	17	37	55	86
	24	27	52	59
	23	26	38	34
	29	20	102	96
	26	32	83	101
	19	26	30	27
	25	14	62	25
	28	7	26	7
Sta. 2+50	0	0		

RW 57'
RW 59'
RW 57'
RW 56'

Correction for Removal of Exist. Roadway Sta. 45+50 to Sta. 48+00

774.12 | 773.98 | 773.68 | 773.60 | 773.60 | 773.60 | 773.63 | 773.70 | 773.90

770.8 | 770.96 | 771.0 | 771.12 | 771.12 | 771.14 | 771.16 | 771.68 | 771.8

6"F.F.

Begin New Pavement

Begin Work

Sta. 2+50 Ahead
Back

2+00 Relocated
= 42+00 Existing
774.26

773.60 | 773.60 | 773.76 | 774.29 | 774.64 | 775.08 | 774.67 | 774.42 | 774.06

8+00 772.19 | 7+72.49 772.15 | 7+00 772.35 | 6+39.96 772.65 | 6+00 772.75 | 5+00 772.85 | 4+00 773.45 | 3+63.05 773.55 | 3+00, Begun New Pavement 773.95

771.0 | 771.06 | 771.2 | 771.32 | 771.4 | 771.6 | 771.8 | 771.88 | 772.0

48+00 Exist. | 47+00 Exist.

	Seeding Width Sq. Yd.
	60
	100
	63
	559
	71
	497
	78
	351
	80
	878
	78
	861
	77
	302
	70
	438
	35
	191
	14
	0
Sheet Total	4245

Elm Sugar Grove Church Road, Sta. 42+00 to Sta. 8+00

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

	End Area	Fill	Cut	Cu. Yds.	Fill
	0	0	0		
	0	2	3		
	0	0	25	14	
	0	13	67	32	
	0	8	100	7	
	0	0	0	0	
	0	0	0	0	
	0	40	18	115	
	52	63	16	191	
	51	57	15	174	
	43				

Sta. 15+25

Work Required
Remove exist headwall. Connect 54"x22" Type "A" Conduit with 54" Bolting, 706.02 to existing 54" Conc. Pipe HW-L endwall as shown.

+82.37 35 LT
783+47 ±

54"x22" Type "A" Conduit with "B" Bolting, 706.02

54" Conc. Pipe

Sta 12+37.41
Sta 11+20.06
Sta 10+00
Sta 9+00
Sta 8+00

Begin Std. Sta. 10+40

Shrewd Section

Seeding Carried on Main Line Cross Sections Sta. 10+44.72 To Sta. 13+04.64

Earth Bench U.S.R.30

STRUCTURE NO. 5-C
Sta 10+49.40

Sheet Total

Cont. for Exist. Roadway

Elm Sugar Grove Church Road Sta. 9+00 to Sta. 56+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

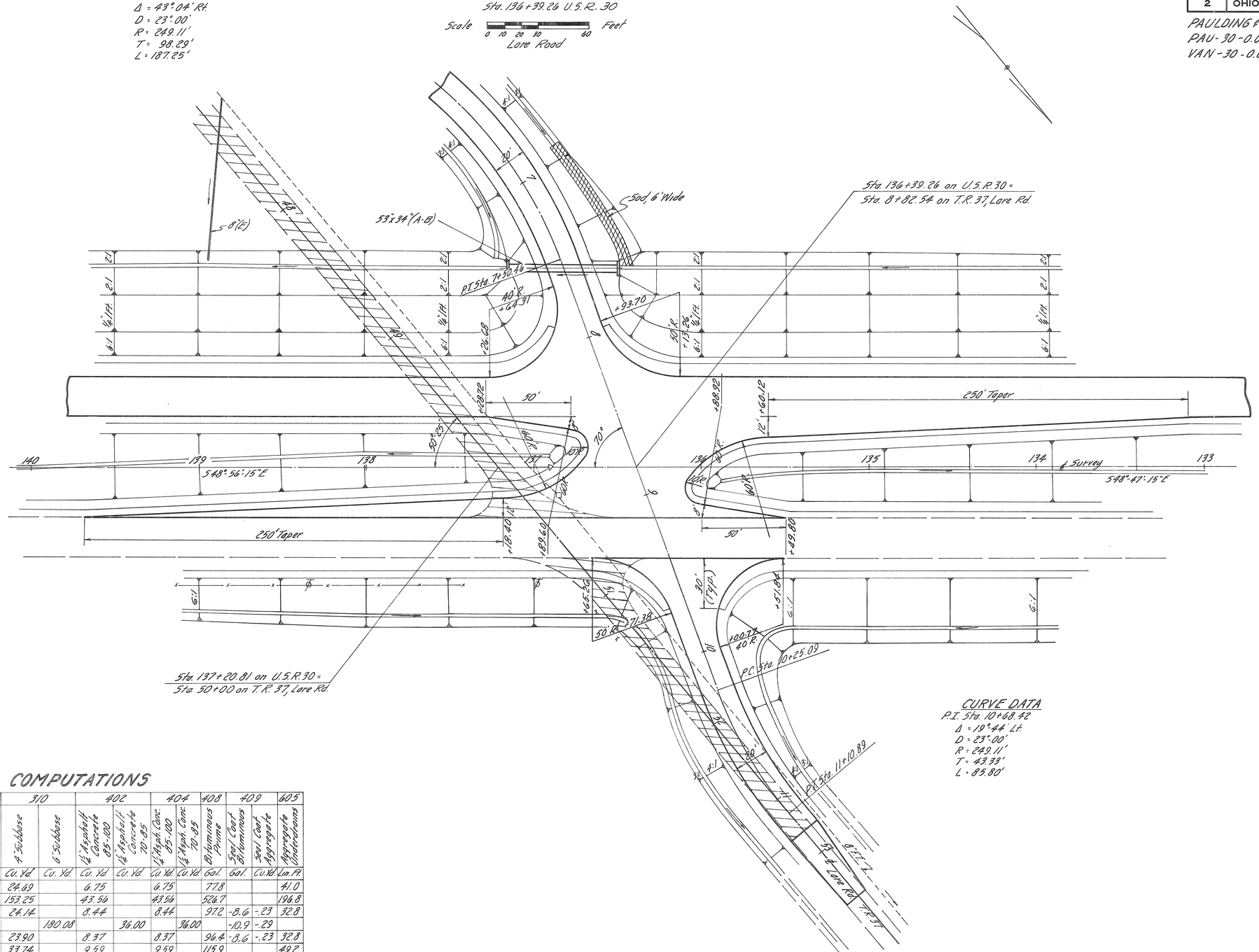
INTERSECTION NO. 5-P

Sta. 136+39.26 U.S.R. 30

Scale 0 10 20 30 60 Feet

Lare Road

CURVE DATA
P.I. Sta. 6+61.60
Δ = 43°04' Rt.
D = 23°00'
R = 249.11'
T = 98.29'
L = 187.25'



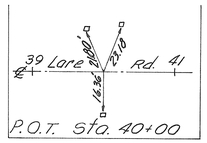
PAVEMENT COMPUTATIONS

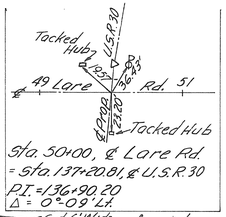
Station		203	301	302	304	310		402			404		408	409		605
		Subgrade preparation	Bituminous Aggregate Base	3" Asphalt Concrete	6" Aggregate Base	4" Subbase	6" Subbase	½" Asphalt Concrete 85-100	½" Asphalt Concrete 70-85	1½" Asph. Conc. 85-100	1½" Asph. Conc. 70-85	Bituminous Prime	Seal Coat Bituminous	Seal Coat Aggregate		Aggregate Underdrains
From	To	Sq. Yd	Cu. Yd.	Cu. Yd.	Cu. Yd	Cu. Yd	Cu. Yd.	Cu. Yd	Cu. Yd	Cu. Yd	Cu. Yd	Gal.	Gal.	Cu. Yd		Lin. Ft.
1+00	2+00	194.4			37.04	24.69		6.75		6.75		77.8				41.0
2+00	7+64.31	1254.0			219.45	153.25		43.56		43.56		526.7				196.8
7+64.31	8+25.07	214.4	-2.47		35.90	24.14		8.44		8.44		97.2	-8.6	-.23		32.8
Crossovers & Tapers		999.8	144.64	87.13	-9.59		180.08		36.00		36.00		-10.9	-.29		
9+40.96	10+00.77	212.4	-2.47		35.54	23.90		8.37		8.37		96.4	-8.6	-.23		32.8
10+00.77	11+25	276.1			48.31	33.74		9.59		9.59		115.9				49.2
11+25	11+75	13.9			4.63	3.40		1.60		3.30		11.1				
Totals		3,165.0	139.70	87.13	371.28	443.20		78.31	36.00	80.01	36.00	925.1	-28.1	-.75		352.6

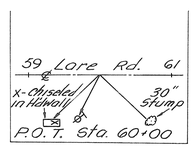
CURVE DATA
P.I. Sta. 10+68.42
Δ = 19°44' Lt.
D = 23°00'
R = 249.11'
T = 43.33'
L = 85.80'

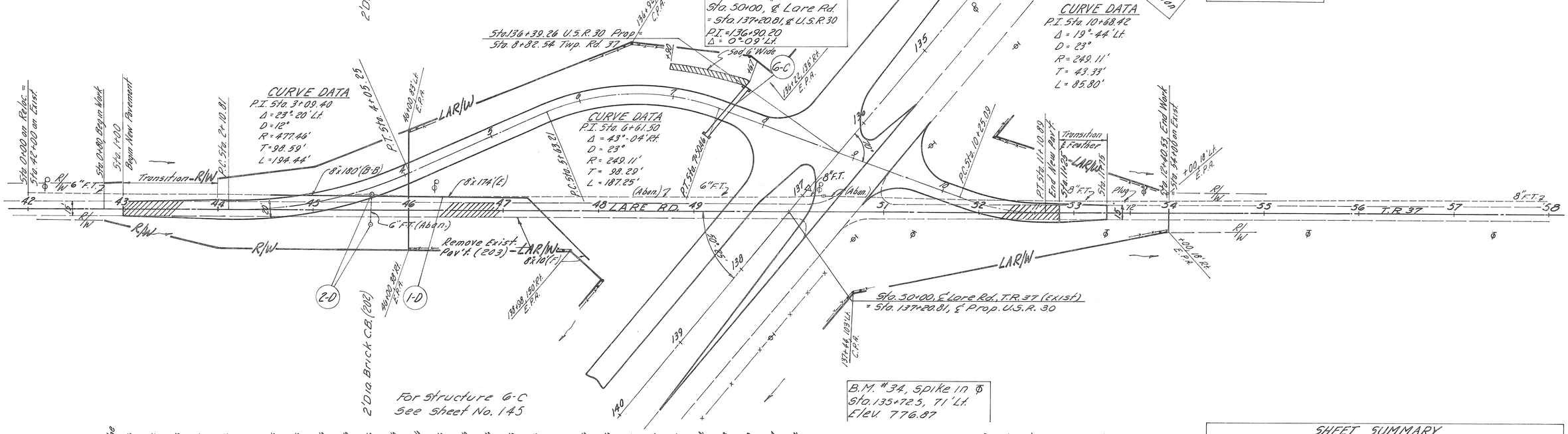
INTERSECTION DETAIL NO. 5-P (Lare Road)

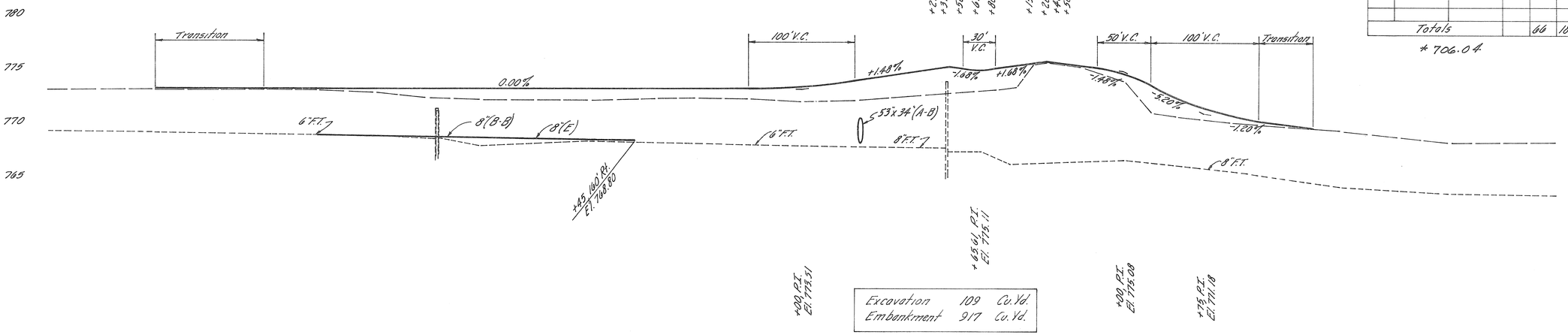
PAULDING & VANWERT COUNTIES
PAU-30-0.00
VAN-30-0.00











Excavation	109	Cu. Yd.
Embankment	917	Cu. Yd.

SHEET SUMMARY

Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 53"x34"	603 Conduit Lin. Ft. 8" B-B	603 Conduit Lin. Ft. 8" E	603 Conduit Lin. Ft. 8" F	602 Conc. Masonry C.Y.	660 Sodding S.Y.	202 Remove C.B. Ea.	Bands & Brackets Ea.
6-C	7+56.97		Rt. & Lt.	66*				1.93	52		
1-D	2+60	5+45	Rt. & Lt.		180	174	10				45°
2-D	3+52	3+62	Rt.							2	
Totals				66	180	174	10	1.93	52	2	

* 706.04

| Ref. No. | Lt. Edge | | | | | | |

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

	Cu. Yds.	
End Areas	Cut	Fill
Cut	14	32
Fill	11	0
Cut	46	74
Fill	4	3
Cut	0	0

Seeding	
Width Sq. Yds.	53 / 461 / 30 / 33 / 0 / 761 / 1235

Sta. 0+80 Begin New Pavement

Sta. 0+80 Begin Work

Sta. 0+00 Existing Lane Rd.
Sta. 0+00 Relocated Lane Rd.

Sta. 0+80 Corr. for Exist. Roadway

Sheet Total

RW

L 17

772.0

L 6' F.T.

774.56

773.36

2+00
773.35

773.36

1+00
773.34

0+80

773.36

42+00
773.36

41+00
773.34

0+00

R 6' F.T.

T.R. 37, LARE RD. (RELOC.) Sta. 41+00 to Sta. 2+00

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

	L/A 180'	L/A 165'	L/A 165'	L/A 159'	L/A 132'	L/A 66'	R/W 64'					
Co. Yds. Cut	71	48	24	21	0	81	74	77	67	50	13	
Co. Yds. Fill	20	29	23	42	60	87	39	20	22	22	6	
End Area Cut	15 47	15 29	16 23	18 12	18 6	29 38	13 42	8 35 R/W	15 37	16 32	14 32	
End Area Fill												

Correction for Removal of Exist. Roadway Sta. 46+73 to 48+20

48+00 Exist.

47+00 Exist.

Remove

Remove

Begin Sod 6' Wide Sta. 6+80

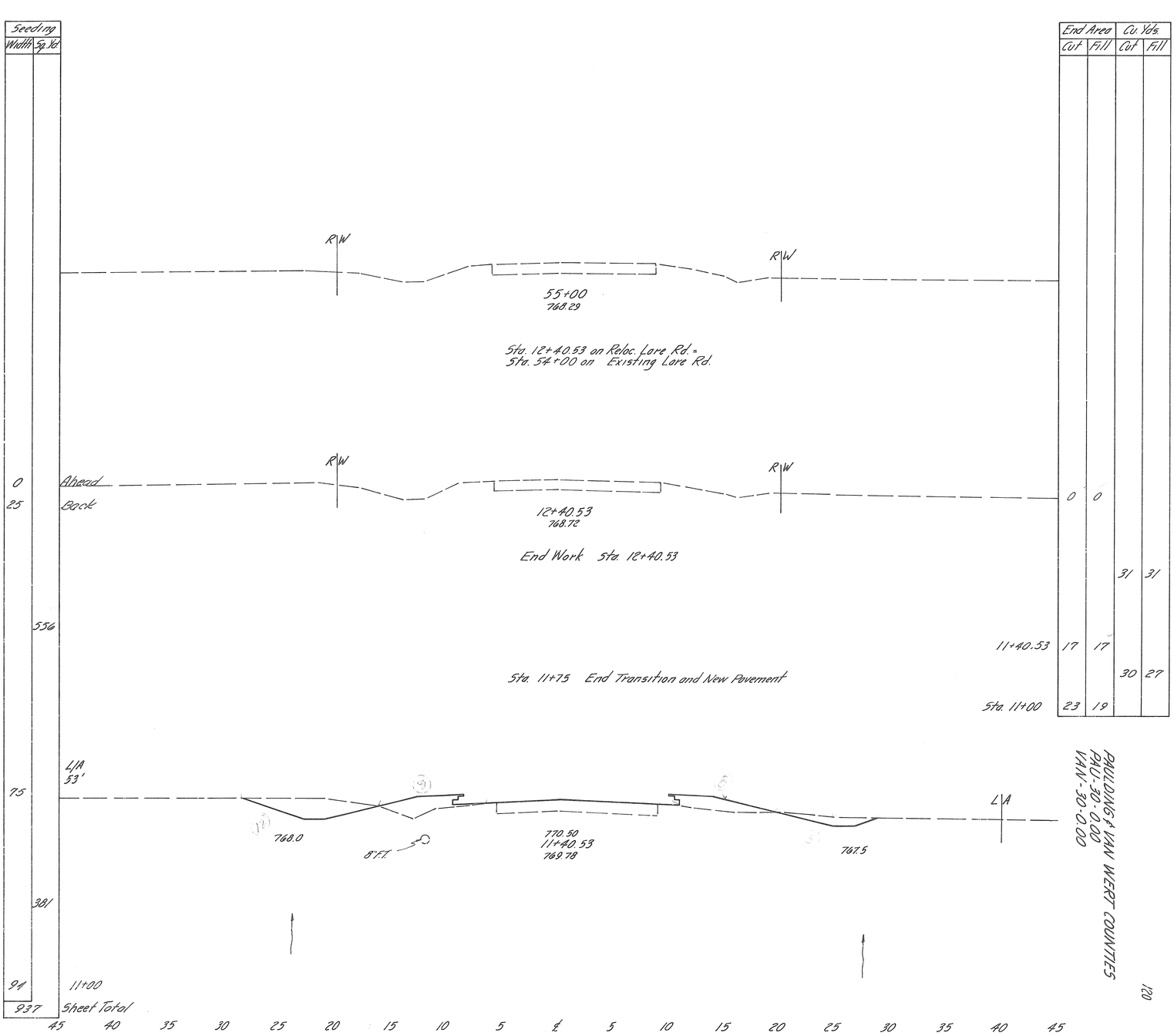
Sta. 2+00 Sheet Total

T.R. 37, LARE RD. (RELOC.) Sta. 2+10.81 to Sta. 7+00

	7+00	6+50	6+00	5+63.21	5+00	4+00	3+50	3+00	2+50	2+10.81	
Elevation	772.31	772.54	772.64	772.54	772.44	772.44	772.64	773.08	773.31	773.35	
Width Sq. Yd.	152	967	196	1047	181	728	175	1142	130	1433	108	538	84	414	66	350	60	246	58	64	53	6029
Seeding												

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

| | | |


Seeding
Width
Sq. Yd.
End Area
Cut
Fill
Cu. Yds.
Cut
Fill
R/W
R/W
55+00
768.29
Sta. 12+40.53 on Reloc. Lare Rd. =
Sta. 54+00 on Existing Lare Rd.
R/W
R/W
0
Ahead
25
Back
12+40.53
768.72
0
0
End Work Sta. 12+40.53
31
31
556
11+40.53
17
17
Sta. 11+75 End Transition and New Pavement
30
27
Sta. 11+00
23
19
L/A
53'
75
768.0
8' F.T.
770.50
11+40.53
769.78
767.5
L/A
381
94
11+00
937
Sheet Total
45
40
35
30
25
20
15
10
5
℄
5
10
15
20
25
30
35
40
45
T.R. 37, LARE RD. (RELOC.) Sta. 11+40.53 to Sta. 55+00
PAULDING & VAN WERT COUNTIES
PAU.-30-0.00
VAN.-30-0.00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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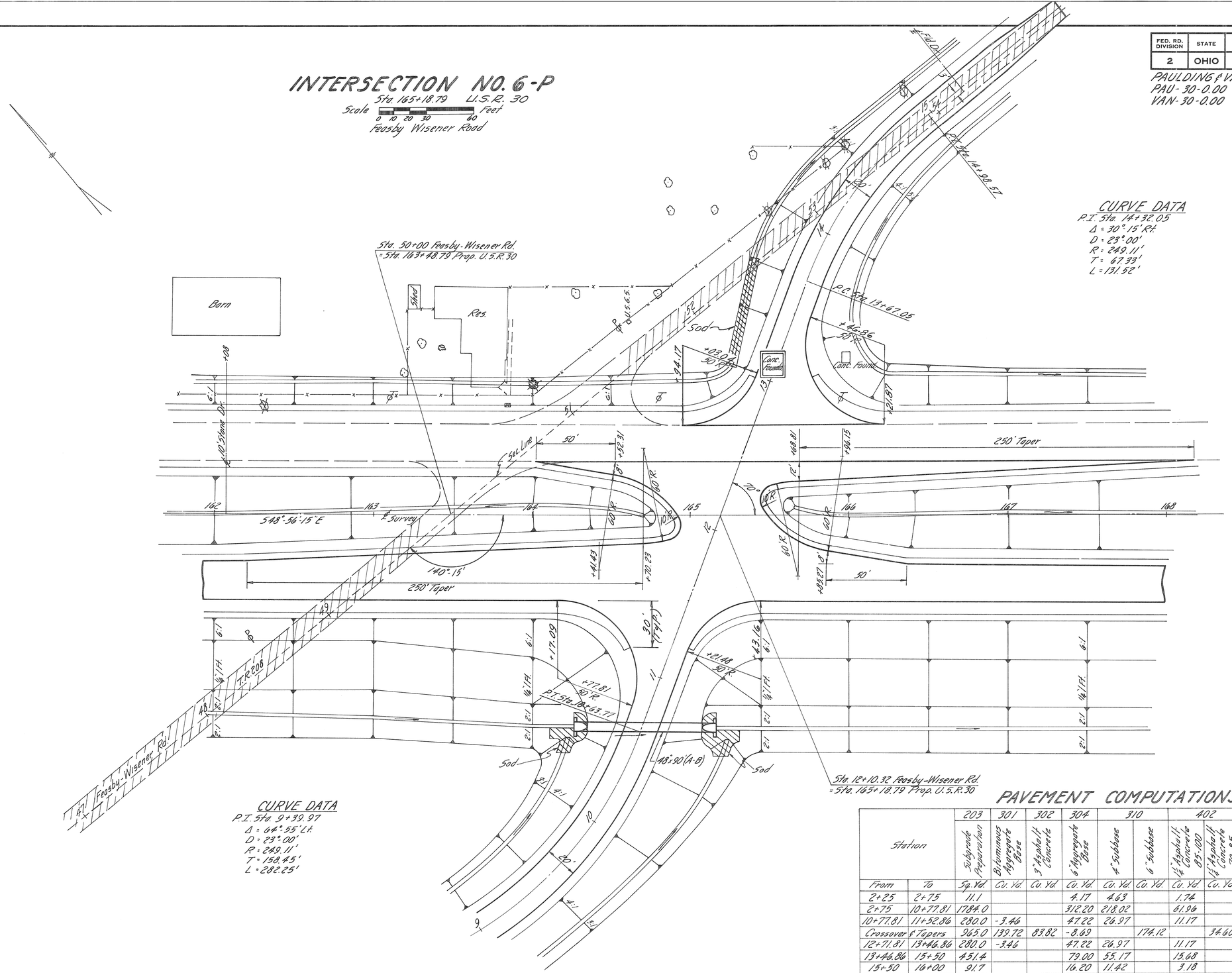
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

INTERSECTION NO. 6-P

Sta. 165+18.79 U.S.R. 30

Scale 0 10 20 30 60 Feet

Feasby Wisener Road



CURVE DATA

P.I. Sta. 14+32.05
Δ = 30°-15' Rt.
D = 23°-00'
R = 249.11'
T = 67.33'
L = 131.52'

CURVE DATA

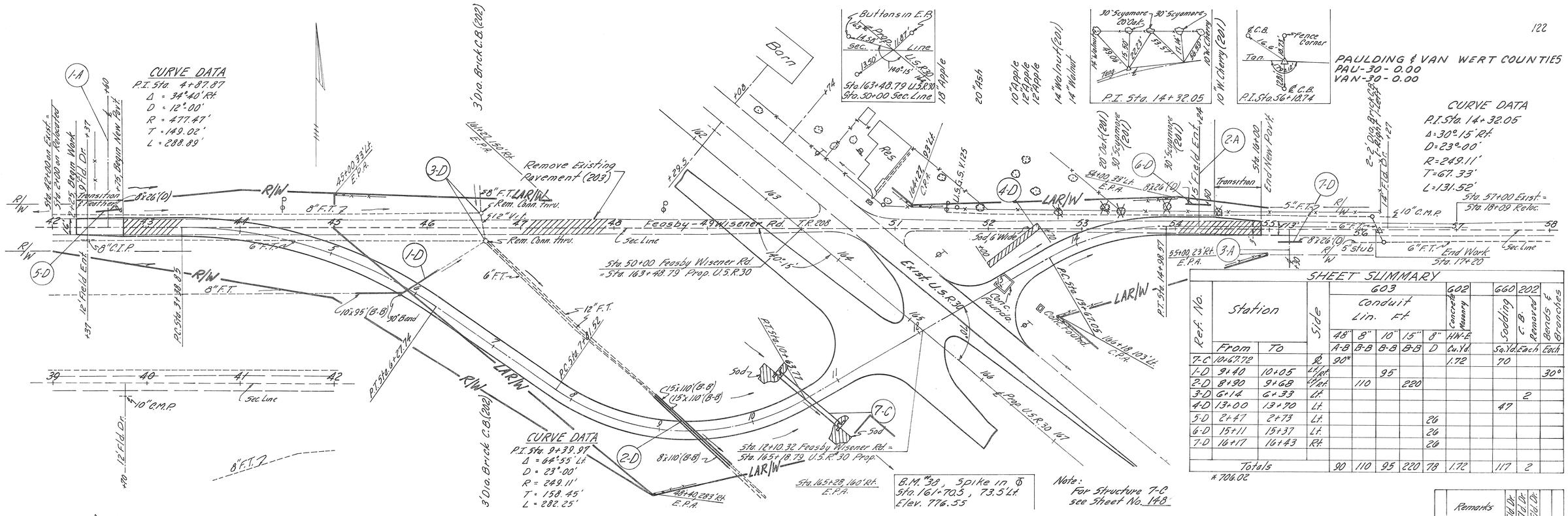
P.I. Sta. 9+39.97
Δ = 64°-55' Lt.
D = 23°-00'
R = 249.11'
T = 158.45'
L = 282.25'

PAVEMENT COMPUTATIONS

Station		203	301	302	304	310		402		404		408	409		605
		Subgrade Preparation	Bituminous Aggregate Base	3" Asphaltic Concrete	6" Aggregate Base	4" Subbase	6" Subbase	1½" Asphaltic Concrete 85-100	1½" Asphaltic Concrete 70-85	1½" Asph. Conc. 85-100	1½" Asph. Conc. 70-85	Bituminous Prime	Seal Coat Bituminous	Seal Coat Aggregate	Aggregate Underdrains
From	To	Sq. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Gal.	Gal.	Cu. Yd.	Lin. Ft.
2+25	2+75	11.1			4.17	4.63		1.74		3.47		4.4			16.4
2+75	10+77.81	1784.0			312.20	218.02		61.96				749.3			271.4
10+77.81	11+52.86	280.0	-3.46		47.22	26.97		11.17		11.17		128.8	-12.4	-.33	32.8
Crossover & Tapers		965.0	139.72	83.82	-8.69		174.12		34.60		34.60		-9.1	-.24	
12+71.81	13+46.86	280.0	-3.46		47.22	26.97		11.17		11.17		128.8	-12.4	-.33	32.8
13+46.86	15+50	451.4			79.00	55.17		15.68		15.68		189.6			73.8
15+50	16+00	91.7			16.20	11.42		3.18		3.18		36.7			24.6
Totals		3863.2	132.80	83.82	497.32	517.30		104.90	34.60	106.63	34.60	1237.6	-33.9	-.90	451.80

INTERSECTION DETAIL NO. 6-P (Feasby Wisener Road)

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



SHEET SLIMMARY

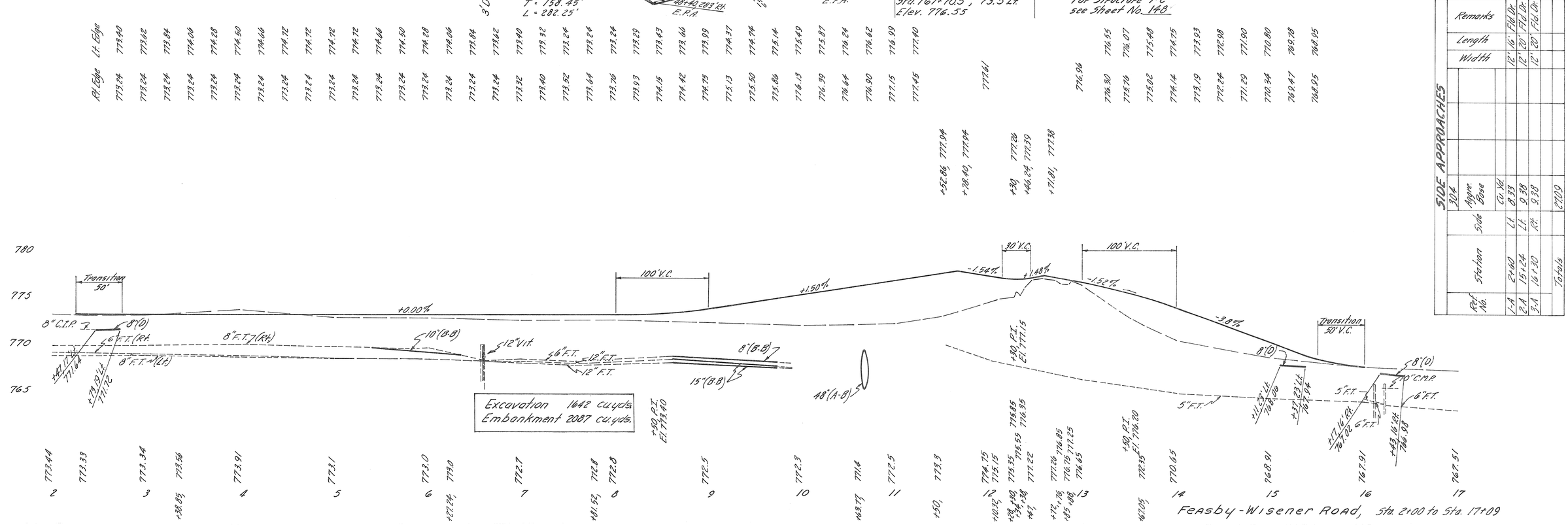
Ref. No.	Station From	Station To	Side	603 Conduit Lin. Ft. 48" A-B	8" B-B	10" B-B	15" B-B	8" D	602 Concrete Masonry HW-E Cu.Yd.		660 Sodding Sq.Yd.	702 C.B. Removed Each	702 Bends & Branches Each
7-C	10+67.72		Rt.	90*					1.72		70		
1-D	9+40	10+05	Lt./Rt.			95							30°
2-D	8+90	9+68	Lt./Rt.		110		220						
3-D	6+14	6+33	Lt.									2	
4-D	13+00	13+70	Lt.								47		
5-D	2+47	2+73	Lt.					26					
6-D	15+11	15+37	Lt.					26					
7-D	16+17	16+43	Rt.					26					
Totals				90	110	95	220	78	1.72		117	2	

* 706.02

SIDE APPROACHES

Ref. No.	Station	Side	Top Aggre. Base	Top Aggre. Base	603 Conduit Lin. Ft. 48" A-B	8" B-B	10" B-B	15" B-B	8" D	602 Concrete Masonry HW-E Cu.Yd.		660 Sodding Sq.Yd.	702 C.B. Removed Each	702 Bends & Branches Each
1-A	2+60	Lt.	Co. Rd.											
2-A	15+24	Lt.	8.33	9.38										
3-A	16+30	Rt.	9.38	9.38										
Totals														

Ref. No.	Station	Side	Length	Width	Remarks
1-A	2+60	Lt.	12'	16'	Fld. Dr.
2-A	15+24	Lt.	12'	20'	Fld. Dr.
3-A	16+30	Rt.	12'	20'	Fld. Dr.



PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

	End Area	Cut	Fill	Cu. Yds. Cut	Fill
	57	17		202	22
	52 RW	5		139	20
	52	10 RW		40	14
	42	18 RW		117	68
	57 RW	31 RW		183	91
	50	14		198	83
	27 RW	16 RW		87	34
	19	17		33	24
	4	0		0	7
	0	0		1	20

Correction for Removal of Exist. Roadway Sta. 4+25 to Sta. 4+00

8'F.F.

Conc for Dr. Lt.

Sta. 2+25

Note: Begin Ft. Ditch at end of Exist. @ C.L.P.

Begin New Pavement

Sta. 2+75, Begin Work

Sta. 2+73 End 8'(D) Elev. 771.72

Sta. 2+40 C.L. Fill Dr.

Sta. 2+47 Begin 8'(D) Elev. 771.64

Conc for Dr. Lt.

Sta. 2+25

Sheet Totals

	Seeding Width	Sq. Yds.
	63	717
	66	546
	70	216
	70	767
	68	789
	74	465
	63	240
	52	-48
	39	310
	26	6,572
	0	

Feasby Wisener Rd. Sta. 2+00 to Sta. 8+00

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

	Co. Yds.	
End Area	Cut	Fill
0	1	0
0	13	6
2	0	0
5	22	30
3	0	6
9	10	30
16	30	360
13	13	174
47	23	239
8	0	34
150	119	382
13	170	341
135	198	104
0		
0		
49		
7		
57		

Sta. 17+20
RW
6"CIP
End Left side ditch @ East C.B. Sta. 17+19
East C.B. Sta. 17+31
Sta. 16+49 End 8" (D) Elev. 768.98
Corr. for Dr. Rt.
Sta. 16+30 Left Dr.
Sta. 16+17 Begin 8" (D) Elev. 767.02
End New Pavement
Sta. 15+37 End 8" (D) Elev. 767.94
Sta. 15+11 Begin 8" (D) Elev. 768.06
Corr. for Dr. Lt.
Dr. Lt. 15+24
Sta. 13+70 Lt. End Sod, 6' Wide
Corr. for Basement
Partial Filled Basement
Sta. 13+00 Lt. Begin Sod, 6' Wide
Sta. 12+71.81
Sta. 11+52.86
Bench - U.S. 30
Seeding Carried on Main Line Cross Sections Sta. 10+00 to Sta. 13+67.05
10+00
9+00
STRUCTURE NO. 7-C
Begin Right Side Ditch Sta. 8+20
End Left Side Ditch Sta. 9+00
48'x 90' Type 'A' Conduit with 'B' Bedding 706.02
10+63.77
+R&B 40AE Lt. Elev. 765.17
12"CMP
6"CIP
Sta. 9+00 Sheet Total

Seeding Width Sq. Yd.	
0	22
36	394
35	-55
65	473
-55	195
73	947
100	392
114	
73	917
42	861
63	4031

Sta. 17+20, End Work
Sta. 17+00 Elev.= Sta. 16+09 Rdwy.

Feasby Wisener Rd. Sta. 9+00 to Sta. 17+09

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

125

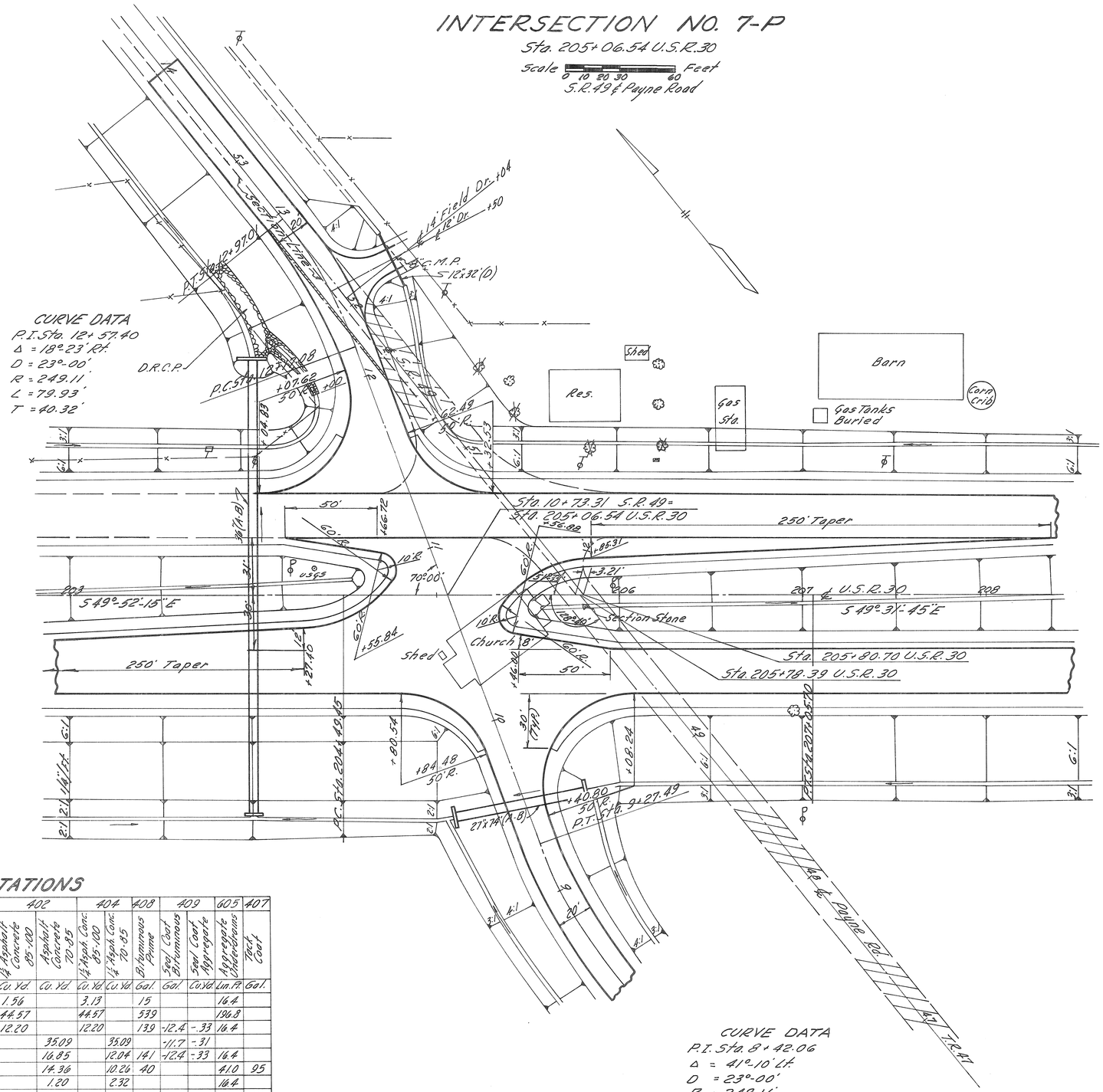
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

INTERSECTION NO. 7-P

Sta. 205+06.54 U.S.R.30

Scale 0 10 20 30 60 Feet

S.R.49 & Payne Road



PAVEMENT COMPUTATIONS

Station		203	301	302	304	310		402			404		408	409		605	407
		Subgrade preparation	Bituminous Aggregate Base	3" Asphalt Concrete	6" Aggregate Base	4" Subbase	6" Subbase	1½" Asphalt Concrete 85-100	Asphalt Concrete 70-85	1½" Asph. Conc. 85-100	1½" Asph. Conc. 70-85	Bituminous Prime	Seal Coat Bituminous	Seal Coat Aggregate		Aggregate Underdrains	Tack Coat
From	To	Sq. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Gal.	Gal.	Cu. Yd.		Lin. Ft.	Gal.
2+75	3+50	37.5			6.25	4.63		1.56		3.13		15				164	
3+50	9+40.80	1283.3			224.57	156.83		44.57		44.57		539				196.8	
9+40.80	10+15.85	290.1	- 3.53		49.87	31.07		12.20		12.20		139	-12.4	- .33		164	
Crossover & Tapers		782.6	140.15	84.95	- 9.96		*175.41		35.09		35.09		-11.7	- .31			
11+30.8	12+17.08	305.6	- 3.53		50.85		53.97		16.85		12.04	141	-12.4	- .33		164	
12+17.08	13+50	90.0			16.67		17.08		14.36		10.26	40				41.0	95
13+50	14+00								1.20		2.32					164	
Totals		2789.1	133.09	84.95	338.25		438.99	58.33	67.50	59.90	59.71	874	-36.5	-.97		303.4	95

* Include 3" Subbase under Paved Shoulders

INTERSECTION DETAIL NO. 7-P (S.R.49 & Payne Road)

PAULDING & VAN WERT COUNTIES
PAU-30 - 0.00
VAN-30 - 0.00

Sta. 5+400 Exist. = Sta. 17+35.07 Prop.

Begin Sheet

Center of U.S.G.S. & Survey — Conc. Porch — 51°33' — S.R. 49 — U.S. 30 — 80.76'

Sta. 50+00 - S.R. 49 ℄ = Sta. 250+80.70 - U.S.R.30

Center of U.S.G.S. & Survey — Conc. Porch — 28.40' — Payne Rd. — 126°40' — U.S. 30 — 19.18'

Sta. 205+78.39 U.S.R.30 = Sta. 50+00 ℄ Payne Rd.

18" Brick C.A. (202)

Barn — Gas Sta. — Res. — 24" Cottonwood — 208 — 207 — 206

Sta. 19+80 ℄ Const. End New 18'W.F. — Note: Cut back 1 foot

1-A — 12" Lined D.I. — ℄ Pipe 140 — +00 Rt. — E.P.A.

2-D — +12 Rt. — C.P.A.

8" C.M.P. (Aban) — 12"x32' (O)

Feather 50'

R/W — LAR/W — 17 — 16 — 15 — 14 S.R. 49 — 13 — 12 — 11 — 10 — 9 — 8 — 7 — 6 — 5 — 4 — 3 — 2 — 1

Sec. Line

8" F.T. ℄ 12" F.T. ℄

15" Conc. — 45° Bend — 15"x12' (F) — 1-D — Open Ditch — R/W

59 — 58 — 57 — Sec. Line

Open Ditch Rel.

Sta. 18+35 End Work

Sta. 19+00 End Const.

Sta. 18+04.93 End Const.

3'x5' Conc. H.W. (202) 212 Conc. C.B. (202)

Sta. 17+00 ℄ F.T. — E.P.A.

P.I. Sta. 12+57.40 — P.C. Sta. 12+57.40 — D.R.C.P. 30' T — P.T. Sta. 14+07.33

CURVE DATA
P.I. Sta. 12+57.40
Δ = 18°-23' Rt.
D = 23°-00'
R = 249.11'
L = 79.93'
T = 40.32'

LAR/W — 207 — 205 — 204 — 203 — PROP. U.S.R. 30 ℄

B.M. #45, ℄ 30-1-W, U.S.G.S.
Sta. 204+33 - 13.8' Lt.
Elev. 775.89

Sec. Line 7

5-15"x15' (E)

CURVE DATA
P.I. Sta. 8+42.06
Δ = 41°-10' Lt.
D = 23°-00'
R = 249.11'
L = 178.98'
T = 93.55'

90° 20+00 Rel. — E.P.A.

15"x10' (F)

Sta. 10+73.31 S.R.49 = Sta. 205+06.54 U.S.R. 30

8-C

Note: For Structure 8-C see Sheet No. 148

Sta. 50+00, ℄ S.R. 49 = Sta. 205+80.70 Prop. U.S.R.30

Sta. 50+00 ℄ Payne Rd. = Sta. 205+78.39 ℄ U.S.R.30

All pipes remain in service unless noted otherwise.

4-D — 12" F.T. ℄ — 5" F.T. — Rem. conn. thru.

LAR/W — R/W — Sta. 3+40 Begin New Pav't. — Sta. 2+75 Begin Wash — Sta. 4+00 Rel. Payne Rd. ℄ S.R. 49 — Sta. 4+00 Rel. Sta. 5+400 Exist. = Sta. 17+35.07 Prop.

End Sheet

Remove Exist. Pav't. (203) — Rem. conn. thru. — 8" F.T. ℄ — 12" F.T. — 12" F.T. ℄

℄ Sta. 9+47.49 — P.C. Sta. 7+48.91 — P.T. Sta. 5+80.23 — P.C. Sta. 4+02.72

(Abandon) — 12"x93' (C-B) — 8"x10' (C-B) — 12"x293' (E) — 15"x370' (E) — LAR/W — 10' — 3-D

Plug — 100.38' Lt. E.P.A. — Transition & Feather

CURVE DATA
P.I. Sta. 4+97.70
Δ = 22°-30' Rt.
D = 12°-00'
R = 477.47'
T = 94.97'
L = 187.50'

18" Brick C.A. (202)

SIDE APPROACHES

Ref. No.	Station	Side	304 Aggr. Base Cu. Yd.	Width	Length	Remarks
1-A	12+50	Rt.	13.2	12'	37'	Fld. Dr.
	Totals		13.2			

SHEET SUMMARY

Station		603 Conduit Lin. Ft. 27" A-B	12" B-C	15" D	12" E	15" F	8" C.M.P.	602 Conc. Masonry C.Y.	202 Removal of Existing Structure Each	Bends & Spurs Each	Bends & Spurs 45°	Bends & Spurs 30°-75°
From	To											
8-C												
1-D	3+35.53	55+44						0.94	1	Lump	45°	
2-D	5+15	12+58										2-75 30°
3-D	12+26	9+89							2			
4-D	3+55	6+48										
	6+33								3	Lump		
Totals		74	93	10	32	22	293	385	0.94			

* 706.02, 706.08

780 / 775 / 770 / 765

50' Feather — 100' V.C. — 50' V.C. — 100' V.C. — 75' Feather & Transition

775.83 — 775.59

-0.56% — +1.5% — -1.36% — +1.52% — +0.05%

12"(O) — 8" C.M.P. — ±58.28' Rt. 770.2 — ±58.28' Rt. 770.8

≤27"(A-B) — 5" F.T. — 7" F.T. — 8"(C-B) — ≤12"(E) — 12" F.T.

15' F.T. — 15'(F) — 8' F.T. along S.R. 49 approx. same elev. as 12' F.T.

+80 P.T. Elev. 774.69 — +80 P.T. Elev. 775.25 — 9+89, 135' Lt. El. 766.70 — 9+65, 132' Lt. El. 766.74 — +80 P.T. Elev. 773.13 — +56, 48' Rt. El. 767.59 — 6+55, 46' Lt. El. 767.44 — 6+24, 46' Lt. — 3+53, 13' Lt. 768.13 ℄

Excavation	2351	Cu. yds.
Embankment	900	Cu. yds.

771.54 — 772.85 — 773.90 — 774.50 — 774.8 — 774.6 — 775.2 — 775.62 — 775.68 — 774.85 — 773.8 — 773.1 — 772.1 — 772.0 — 771.9 — 771.9 — 771.8 — 771.8 — 771.7 — 771.8 — 771.9 — 771.9 — 772.5 — 772.72 — 772.86 — 772.81

15 — 14=53+64.96 on Exist. — 13 — 12 — 10 — 9 — 8 — 7 — 6 — 5 — 3 — 2=42 on Exist.

+35.04 — +35.04 — +35.04 — +97.01 — +17.08 — +52.49 — +80.80 — +05.50 — +73.31 — +35 — +27.49 — +48.51 — +90.23 — +02.72

Payne Road S.R. 49
Sta. M+35.07 S.R.49 & Sta. 2+00 Payne Rd.

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

		L/A 105'	L/A 135'	L/A 160'	L/A 172'	L/A 187'	L/A 187'	L/A 145'	L/A 123'	R/W 103'
End Area	Cut	53	43	32	23	15	13	10	13	0
	Fill	58	42	33	30	24	29	27	17	0
Cu. Yds.	Cut	89	70	53	34	234	52	43	42	31
	Fill	93	70	60	49	12	98	104	79	40

Sta. 2+75

Correction for removal of Existing Pavement Sta. 48+00 to 48+00

48+00 Exist.

47+00 Exist.

48+00 Exist.

4:1

5" P.T.

9+00 771.9

8+50 771.9

8+00 771.8

7+48.51 771.8

7+00 771.8

6+00 771.9

5+00 772.5

4+00.23 772.32 Sta. 3+30, Begin New Pavement

3+00 772.86 Sta. 2+75 Begin Work

4+00=2+00 Relocated 772.81

Abandon

12'F.F.

5"F.F.

15 (RE)

12 (RE)

L/A

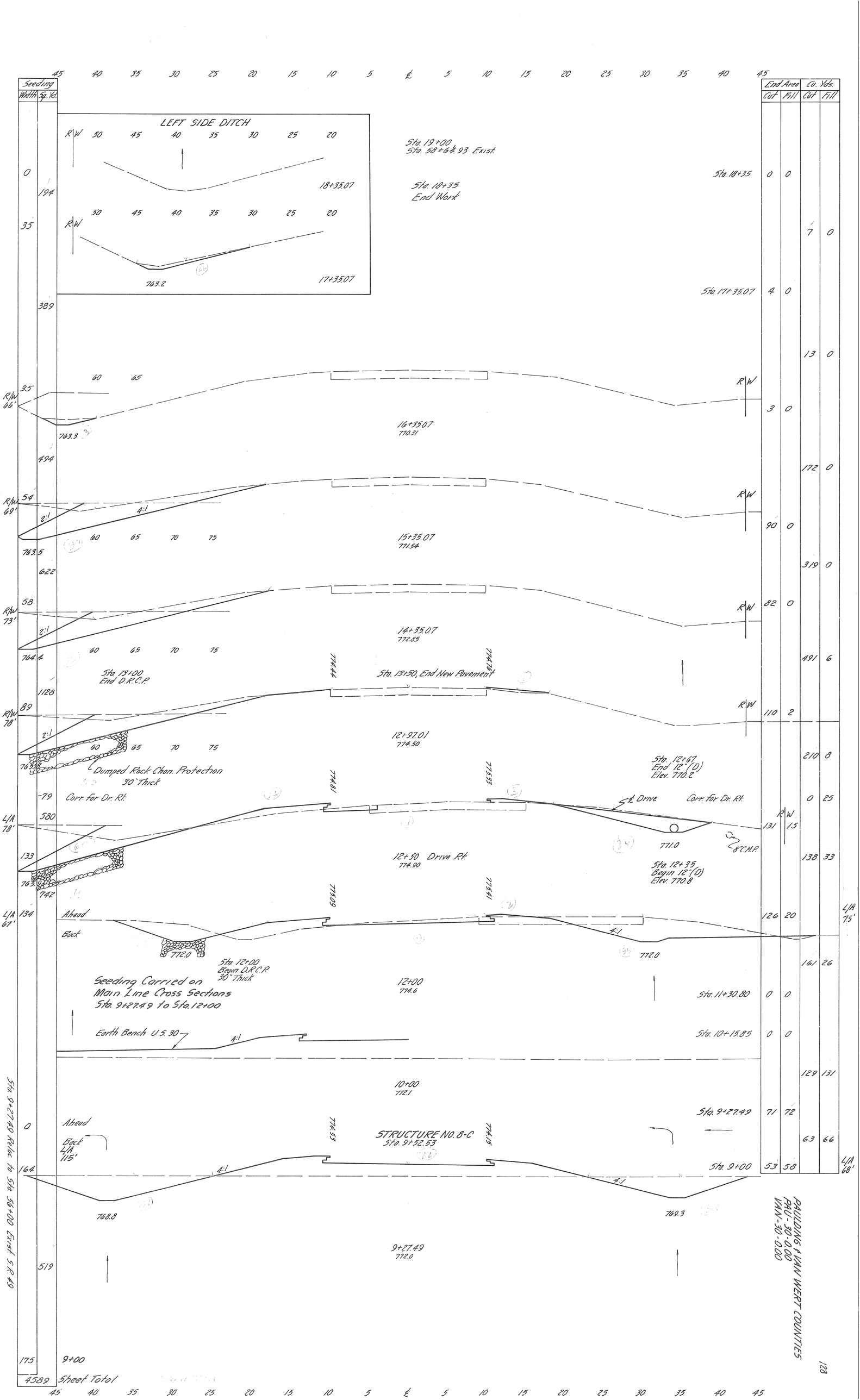
R/W

Corr. for Exist. Roadway

Sheet Total

Payne Rd. Sta. 40+00 Exist. to Sta. 9+00 Reloc.

| | | L/A 90' | L/A 60' | L/A | L/A 51' | L/A 58' | L/A 58' | | |


45 40 35 30 25 20 15 10 5 ℄ 5 10 15 20 25 30 35 40 45
Seeding Width
Sq. Yd.
End Area Cut
End Area Fill
Cu. Yds. Cut
Cu. Yds. Fill
LEFT SIDE DITCH
R/W
50 45 40 35 30 25 20
18+35.07
763.2
17+35.07
Sta. 19+00
Sta. 38+64.93 Exist.
Sta. 18+35
End Work
Sta. 18+35
Sta. 17+35.07
16+35.07
770.31
15+35.07
771.54
14+35.07
772.85
Sta. 13+00
End D.R.C.P.
Sta. 13+50, End New Pavement
12+97.01
774.50
Dumped Rock Chan. Protection
30" Thick
Corr. for Dr. Rt.
Sta. 12+67
End 12" (O)
Elev. 770.2
5° Drive
Corr. for Dr. Rt.
771.0
8" C.M.P.
12+50 Drive Rt.
774.90
Sta. 12+35
Begin 12" (O)
Elev. 770.8
Ahead
Back
772.0
Sta. 12+00
Begin D.R.C.P.
30" Thick
Seeding Carried on
Main Line Cross Sections
Sta. 9+27.49 to Sta. 12+00
12+00
774.6
Sta. 11+30.80
Earth Bench U.S. 30
4:1
Sta. 10+15.85
10+00
772.1
Sta. 9+27.49
Ahead
Back
L/A
115°
STRUCTURE NO. 8-C
Sta. 9+52.53
Sta. 9+00
768.8
769.3
9+27.49
772.0
Sta. 9+27.49 Reloc. to Sta. 58+00 Exist. S.R. 49
9+00
Sheet Total
4589
PAULDING & VAN WERT COUNTIES
PAU.-30-0.00
VAN.-30-0.00
128

PAULDING & VAN WERT COUNTIES
PAU-30-000
VAN-30-0.00

	Cu. Yd. Fill	Cu. Yd. Cut	End Area Fill	End Area Cut
11+75	0	71	0	0
Ahead			0	51
11+00 Back			0	0
	17	0	65	0
	21	0	58	0
	72	0	56	0
	15	0	77	0
	111	0	85	0
	157	0	0	0
Ahead			0	36
9+00 Back			0	0
	17	0	0	0
8+25 Total	393	88		

Channel Sections-Baker Ditch 8+00 to 12+00

PAULDING & VAN WERT Co.
PAU-30-0.00
VAN-30-0.00

Seeding Wide	Sq.yd.

End Areas Cut	End Areas Fill	Cu.yds. Cut	Cu.yds. Fill
740	0		
		677	0
690	0		
		1261	777
672	731		
		953	955
357	300		
		508	328
192	55		
		356	102
0	0		

See Cross Sections
U.S. 30

3+00
773.2
℄
755.9

2+50
770.4
℄ Blue Creek
755.9

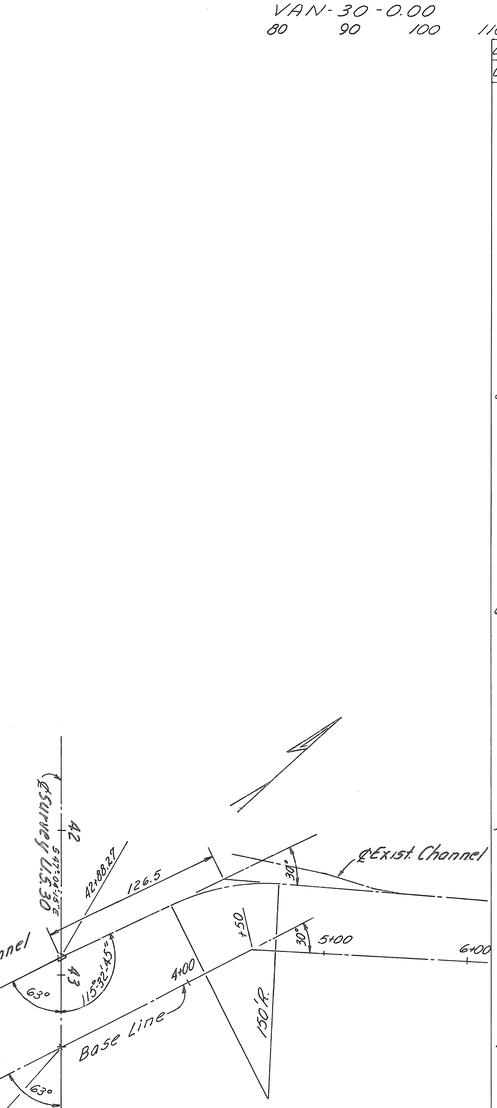
2+00
770.7
Base Line
755.9

1+50
770.5
2:1
2:1
755.9

1+00
770.9
℄ Exist. Channel
2:1
756.0

0+00
771.7

Begin Channel Excavation
756.8



Channel Sections
Blue Creek
Sta. 42+88.27

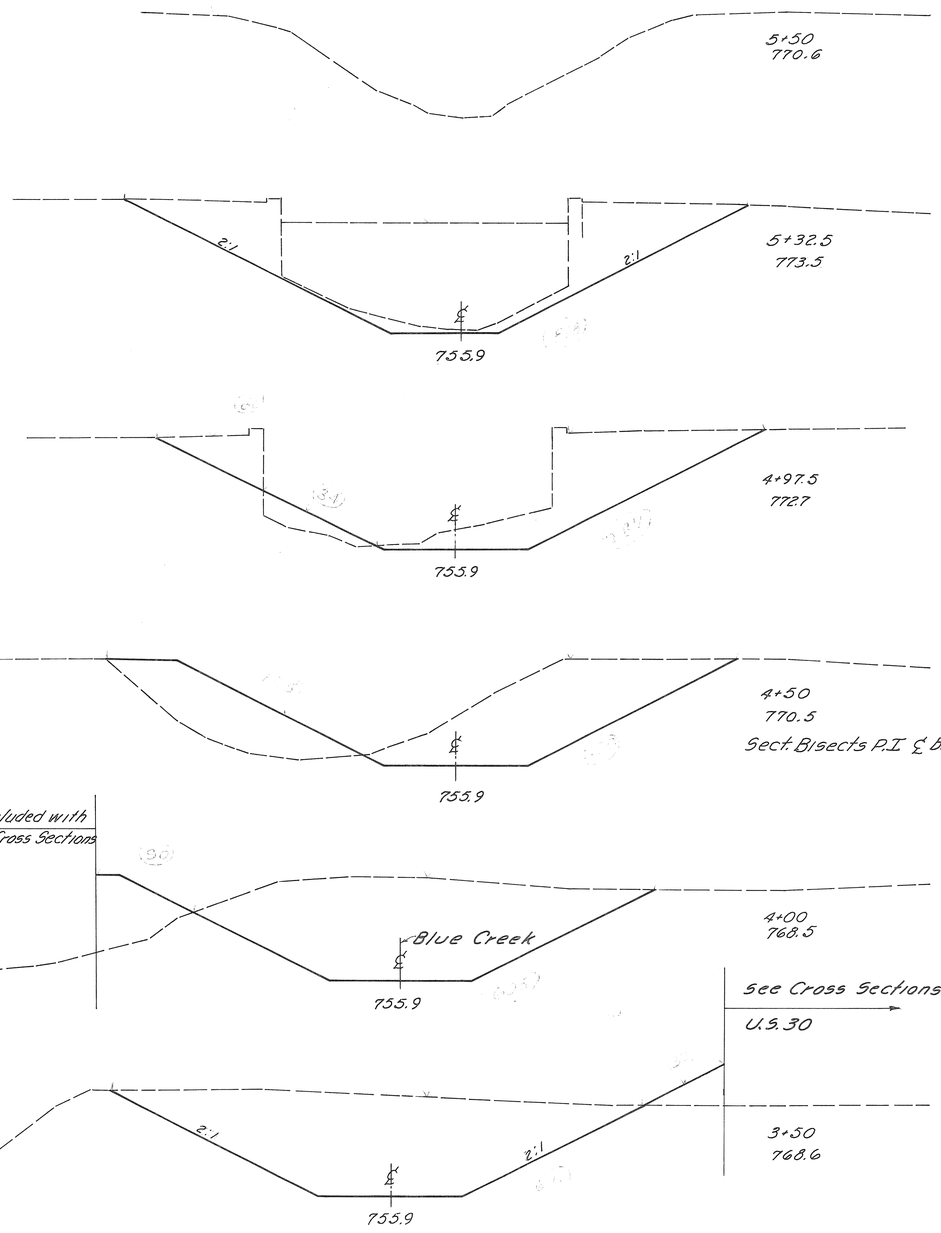
Blue Creek Channel Sections Sta. 0+00 to 3+00

Total

190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110

PAULDING & VAN WERT Co.
PAU-30-0.00
VAN-30-0.00

Seeding Wide	Sqyd.



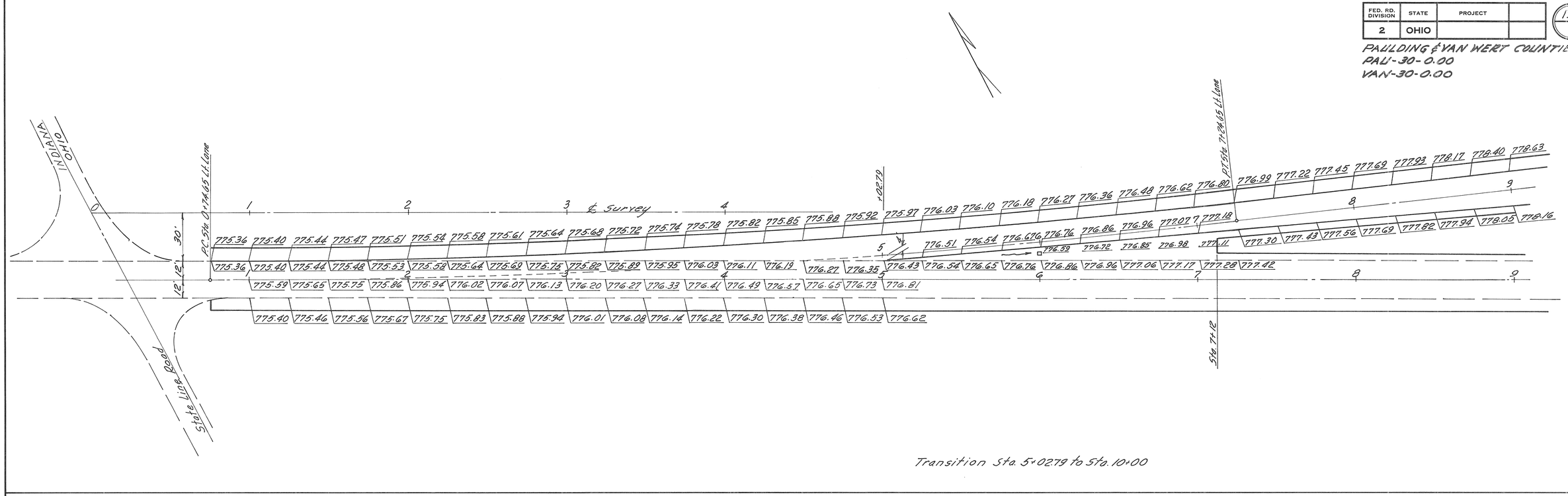
Sta.	End Areas Cut	End Areas Fill	Cu. yds. Cut	Cu. yds. Fill
5+50	0	0		
			265	0
5+32.5	818	0		
			755	22
4+97.5	347	34		
			613	201
4+50	350	195		
			1180	264
4+00	605	90		
			1305	28
3+50	670	30		
			1373	2,677
3+00	740	0		
Total				

Blue Creek Channel Sections Sta. 3+50 to 5+50

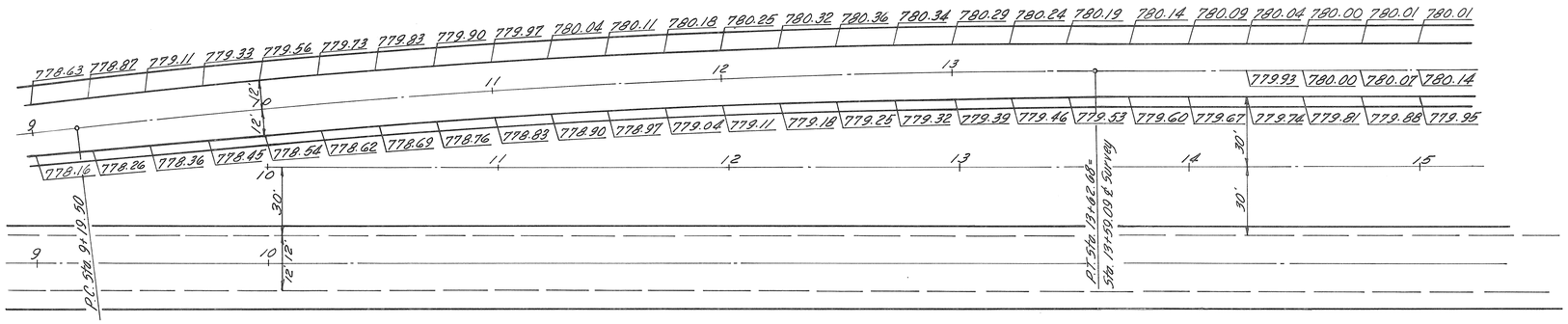
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

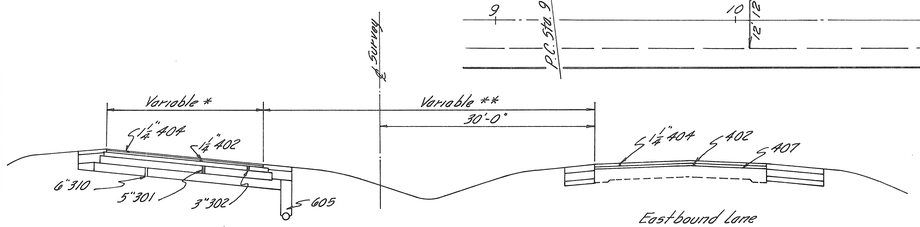
132

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



Transition Sta. 5+02.79 to Sta. 10+00





TYPICAL SECTION
Sta. 0+74.65 to Sta. 13+59.09

* 0' @ Sta. 0+74.65 to 24' @ Sta. 10+00
** 0' @ Sta. 5+02.79 to 60' @ Sta. 13+59.09

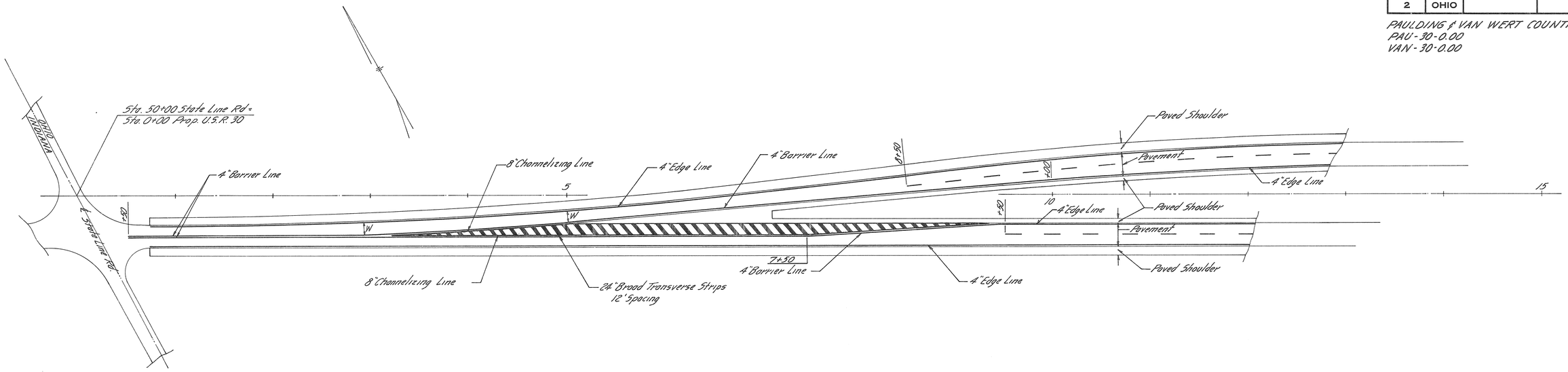
Note: For dimensions not shown, see typical sections Sheets 3 & 4 and cross sections

TRANSITION DETAIL (Sta. 0+74.65 to Sta. 13+59.09) Pau. Co.

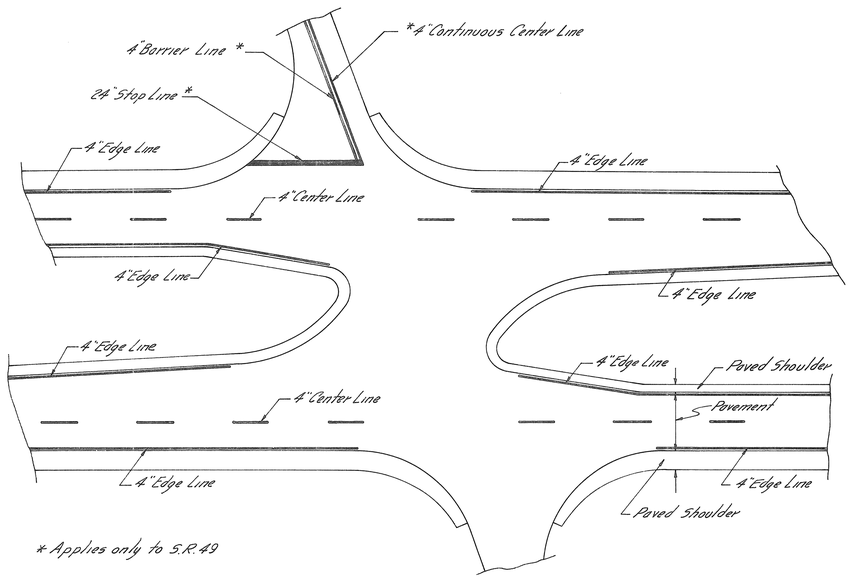
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

133

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



TRANSITION DETAIL - PAVEMENT MARKING



TYPICAL INTERSECTION DETAIL

621 - TRAFFIC ZONE PAINT MARKING									620 - DELINEATORS		
Station		Side	4" Center Line	4" Edge Line	4" Barrier Line	8" Channelizing Line	24" Broad Transverse Strips	24" Stop Line	Spacing	Type C2 Post Mounted	
From	To		Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lump	Lump	Lin. Ft.	Each	
0+50	10+00	Lt. Lane	56.25	950	950.00						
0+50	10+00	Rt. Lane	18.75	1,000		850.00	Lump				
10+00	214+05	Lt. Lane	9,906.86	51,790							
214+05	224+00 med.	Lt. Lane		995							
10+00	224+00	Rt. Lane	10,294.99	53,869							
11+40	14+40	S.R. 49	300.00		300.00			Lump			
1+00	15+00	Pau. Co. Lt. Lane							100	15	
Totals			20,576.85	108,604.00	1,250.00	850.00	Lump	Lump		15	
Totals in miles			3.90	20.57							

TRAFFIC ZONE PAINT MARKING & DELINEATORS

TRAFFIC SIGNING

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-000

Station	Side	815 Area Sq. Ft.	816 ~~Steel Or Post ~~ Lbs. per foot~~ Pcs.	Length	Steel Or Post # lbs. per foot Pcs.	Length	Structure Supports # lb. Beam as per plan Pcs.	Length	Structure Supports # lb. Beam as per plan Pcs.	Length	Diameter and Depth of Concrete Foundation for Sign Supports	Concrete for Sign Supports Foundation as per plan Cu. Yds.
		Flat	Extr.									
Paulding Co.												
0-25	Rt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
0+60	Rt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
1+00	Rt.		12.5	~~2 5'-10"~~	1	14'-0"					1'x4'	.11
					1	15'-0"					1'x4'	.11
3+50	Rt.	7.5		~~2 2'-0"~~			1	14'-6"			1'x4'	.11
4+00	Rt.	6.0			1	14'-6"					1'x4'	.11
6+00	Lt.	9.0		~~2 2'-0"~~			1	14'-6"			1'x4'	.11
7+00	Rt.	10.5		~~2 2'-0"~~	2	15'-0"					1'x4'	.22
8+50	Rt.	9.0							1	16'-0"	1'x4'	.11
8+50	Lt.	9.0							1	16'-0"	1'x4'	.11
11+00	Lt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
17+00	Rt.	21.0		~~4 3'-10"~~					1	18'-0"	1'x4'	.11
27+00	Rt.		22.2	~~2 6'-6"~~					1	16'-0"	1'x4'	.11
									1	17'-0"	1'x4'	.11
47+10	Lt.		4.8						1	17'-0"	1'x4'	.11
									1	19'-6"	1'x4'	.11
47+10	Lt.		4.8						1	17'-0"	1'x4'	.11
									1	18'-6"	1'x4'	.11
52+50	Rt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
57+50	Rt.		9.0	~~4 5'-10"~~	1	13'-0"					1'x4'	.11
					1	14'-0"					1'x4'	.11
61+00	Lt.	6.0			1	14'-6"					1'x4'	.11
62+00	Rt.		2.8						1	15'-6"	1'x4'	.11
									1	16'-6"	1'x4'	.11
62+00	Lt.	6.0		~~4 5'-10"~~	1	12'-6"					1'x4'	.11
					1	13'-6"					1'x4'	.11
62+20	Rt.	6.25		~~2 1'-6"~~			1	13'-0"			1'x4'	.11
62+30	Lt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
		10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
62+80	Rt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
62+82	Lt.	6.25		~~2 1'-6"~~			1	13'-0"			1'x4'	.11
62+85	Rt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
Van Wert Co.												
0+15	Rt.	6.0		~~4 5'-10"~~	1	12'-6"					1'x4'	.11
					1	13'-6"					1'x4'	.11
0+90	Lt.		2.4						1	15'-6"	1'x4'	.11
									1	16'-6"	1'x4'	.11
1+50	Rt.	6.0			1	14'-6"					1'x4'	.11
4+50	Lt.		9.0	~~4 5'-10"~~	1	13'-0"					1'x4'	.11
					1	14'-0"					1'x4'	.11
9+50	Lt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
				~~2 2'-0"~~					1	16'-0"	1'x4'	.11
21+60	Rt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
26+60	Rt.		9.0	~~4 5'-10"~~	1	13'-0"					1'x4'	.11
					1	14'-0"					1'x4'	.11
29+30	Lt.	6.0			1	14'-6"					1'x4'	.11
30+25	Lt.	6.0		~~4 5'-10"~~	1	12'-6"					1'x4'	.11
					1	13'-6"					1'x4'	.11
30+50	Lt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
31+60	Rt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
31+60	Rt.	6.0		~~4 5'-10"~~	1	12'-6"					1'x4'	.11
					1	13'-6"					1'x4'	.11
33+00	Rt.	6.0			1	14'-6"					1'x4'	.11
36+00	Lt.		9.0	~~4 5'-10"~~	1	13'-0"					1'x4'	.11
					1	14'-0"					1'x4'	.11
40+00	Lt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
58+50	Rt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
63+50	Rt.		1.5						1	15'-0"	1'x4'	.11
									1	16'-6"	1'x4'	.11
67+00	Lt.	6.0			1	14'-6"					1'x4'	.11
67+85	Lt.	6.0		~~4 5'-10"~~	1	12'-6"					1'x4'	.11
					1	13'-6"					1'x4'	.11
*Sub Totals		311.0	233.71	~~486'-6"~~		384'-0"		122'-6"		471.5		7.26

Station	Side	815 Area Sq. Ft.	816 ~~Steel Or Post ~~ Lbs. per foot~~ Pcs.	Length	Steel Or Post # lbs. per foot Pcs.	Length	Structure Supports # lb. Beam as per plan Pcs.	Length	Structure Supports # lb. Beam as per plan Pcs.	Length	Diameter and Depth of Concrete Foundation for Sign Supports	Concrete for Sign Supports Foundation as per plan Cu. Yds.
		Flat	Extr.									
67+95	Lt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
68+10	Lt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
68+85	Lt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
69+20	Rt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
69+40	Rt.	6.0		~~4 5'-10"~~	1	12'-6"					1'x4'	.11
					1	13'-6"					1'x4'	.11
70+50	Rt.	6.0			1	14'-6"					1'x4'	.11
72+50	Rt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
73+50	Lt.		1.5						1	15'-0"	1'x4'	.11
									1	16'-6"	1'x4'	.11
77+50	Rt.		2.0						1	14'-0"	1'x4'	.11
									1	15'-0"	1'x4'	.11
78+50	Lt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
81+50	Lt.	6.0			1	14'-6"					1'x4'	.11
82+55	Rt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
82+75	Lt.	12.0		~~4 5'-10"~~	1	13'-6"					1'x4'	.11
					1	14'-6"					1'x4'	.11
82+80	Rt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
83+05	Lt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
83+10	Rt.	12.0		~~4 5'-10"~~	1	13'-6"					1'x4'	.11
					1	14'-6"					1'x4'	.11
83+40	Lt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
84+50	Rt.	6.0			1	14'-6"					1'x4'	.11
88+00	Lt.		2.0						1	14'-0"	1'x4'	.11
									1	15'-0"	1'x4'	.11
93+00	Lt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
126+50	Rt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
131+50	Lt.		9.0	~~4 5'-10"~~	1	13'-0"					1'x4'	.11
					1	14'-0"					1'x4'	.11
135+00	Lt.	6.0			1	14'-6"					1'x4'	.11
135+60	Lt.	6.0		~~4 5'-10"~~	1	12'-6"					1'x4'	.11
					1	13'-6"					1'x4'	.11
135+85	Lt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
135+85	Lt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
136+90	Rt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
136+90	Rt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
137+20	Rt.	6.0		~~4 5'-10"~~	1	12'-6"					1'x4'	.11
					1	13'-6"					1'x4'	.11
138+00	Rt.	6.0			1	14'-6"					1'x4'	.11
141+50	Lt.		9.0	~~4 5'-10"~~	1	13'-0"					1'x4'	.11
					1	14'-0"					1'x4'	.11
146+50	Lt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
155+00	Rt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
160+00	Rt.		1.5						1	15'-0"	1'x4'	.11
									1	16'-6"	1'x4'	.11
164+00	Lt.	6.0			1	14'-6"					1'x4'	.11
164+75	Rt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
165+10	Lt.	6.0		~~4 5'-10"~~	1	12'-6"					1'x4'	.11
					1	13'-6"					1'x4'	.11
165+10	Rt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
165+30	Lt.	9.0		~~2 2'-0"~~			1	13'-6"			1'x4'	.11
165+30	Rt.	6.0		~~4 5'-10"~~	1	12'-6"					1'x4'	.11
					1	12'-6"					1'x4'	.11
165+60	Rt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
166+30	Rt.	6.0			1	14'-6"					1'x4'	.11
170+00	Lt.		1.5						1	15'-0"	1'x4'	.11
									1	16'-6"	1'x4'	.11
175+00	Lt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
178+50	Rt.		3.6						1	17'-6"	1'x4'	.11
									1	18'-6"	1'x4'	.11
190+00	Lt.		22.2	~~2 6'-6"~~					1	16'-0"	1'x4'	.11
									1	17'-0"	1'x4'	.11
196+50	Rt.		1.8						1	13'-6"	1'x4'	.11
									1	14'-6"	1'x4'	.11
**Sub Totals		358.5	179.21	~~107'-2"~~		340'-6"		108'-0"		593'-6"		7.81

Station	Side	815 Area Sq. Ft.	816 ~~Steel Or Post ~~ Lbs. per foot~~ Pcs.	Length	Steel Or Post # lbs. per foot Pcs.	Length	Structure Supports # lb. Beam as per plan Pcs.	Length	Structure Supports # lb. Beam as per plan Pcs.	Length	Diameter and Depth of Concrete Foundation for Sign Supports	Concrete for Sign Supports Foundation as per plan Cu. Yds.
		Flat	Extr.									
199+00	Lt.	21.0		~~4 3'-10"~~					1	18'-0"	1'x4'	.11
203+00	Lt.	6.0			1	14'-6"					1'x4'	.11
204+10	Lt.		1.5						1	14'-0"	1'x4'	.11
									1	15'-0"	1'x4'	.11
204+45	Lt.	9.0		~~2 2'-0"~~					1	13'-6"	1'x4'	.11
204+55	Lt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
205+00	Rt.	12.18		~~2 3'-0"~~					1	14'-6"	1'x4'	.11
205+60	Rt.	10.5		~~2 2'-0"~~					1	15'-0"	1'x4'	.11
205+70	Rt.	9.0		~~2 2'-0"~~					1	13'-6"	1'x4'	.11
206+00	Rt.		2.0						1	14'-0"	1'x4'	.11
									1	15'-0"	1'x4'	.11
207+00	Rt.	12.0		~~2 3'-0"~~					1	14'-6"	1'x4'	.11
210+00	Lt.		1.8						1	13'-6"	1'x4'	.11
									1	15'-6"	1'x4'	.11
14+00	Rt.	6.0			1	14'-6"					1'x4'	.11
14+00	Lt.	12.0		~~2 5'-10"~~	1	13'-6"					1'x4'	.11
					1	14'-6"					1'x4'	.11
16+00	Lt.	6.09			1	15'-6"					1'x4'	.11
19+00	Lt.	6.0			1	14'-6"					1'x4'	.11
214+00	Lt.	6.09			1	15'-6"					1'x4'	.11
		6.09			1	15'-6"					1'x4'	.11
218+00	Lt.	9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
		9.0		~~2 2'-0"~~					1	16'-0"	1'x4'	.11
***Sub Totals		153.45	5.3	~~43'-0"~~		118'-0"		56'-0"		167'-0"		2.53
**Sub Totals		358.5	179.21	~~107'-2"~~		340'-6"		108'-0"		593'-6"		7.81
*Sub Totals		311.0	233.71	~~486'-6"~~		384'-0"		122'-6"		471.5		7.26
Job Totals		822.95	465.92	~~446'-8"~~		842'-6"		286'-6"		1232.0		17.60

TRAFFIC SIGNING ESTIMATED QUANTITIES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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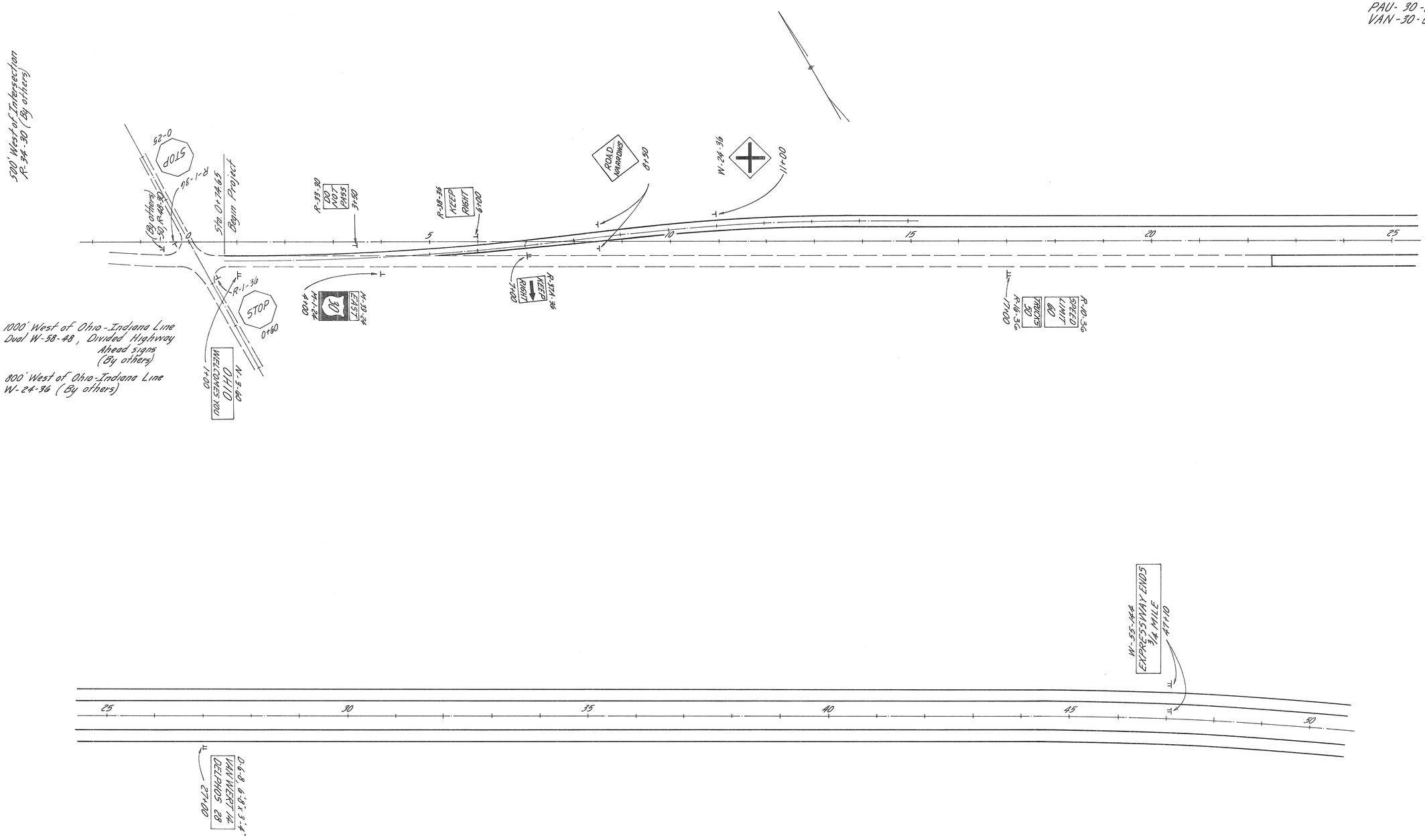
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



SIGN PLAN LAYOUT Sta. 0+00 to Sta. 50+00, Paulding County

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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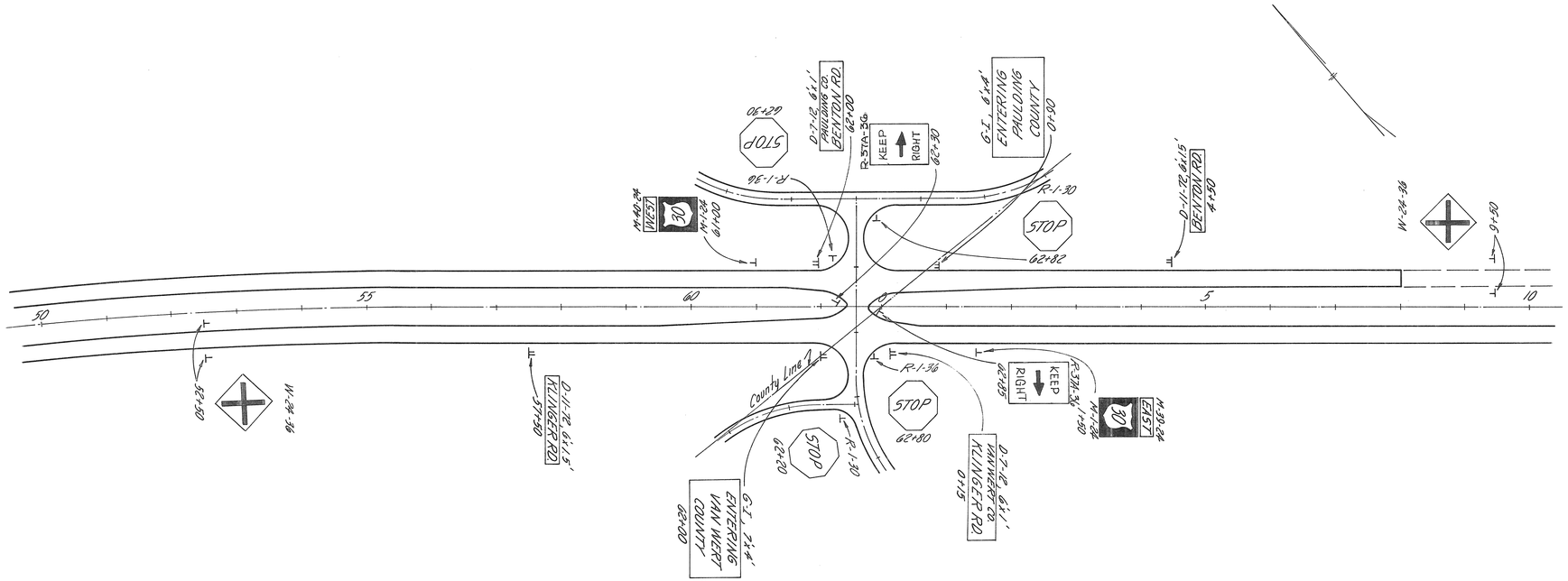
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



SIGN PLAN LAYOUT Sta. 50+00, Paulding County to Sta. 35+00, Van Wert County

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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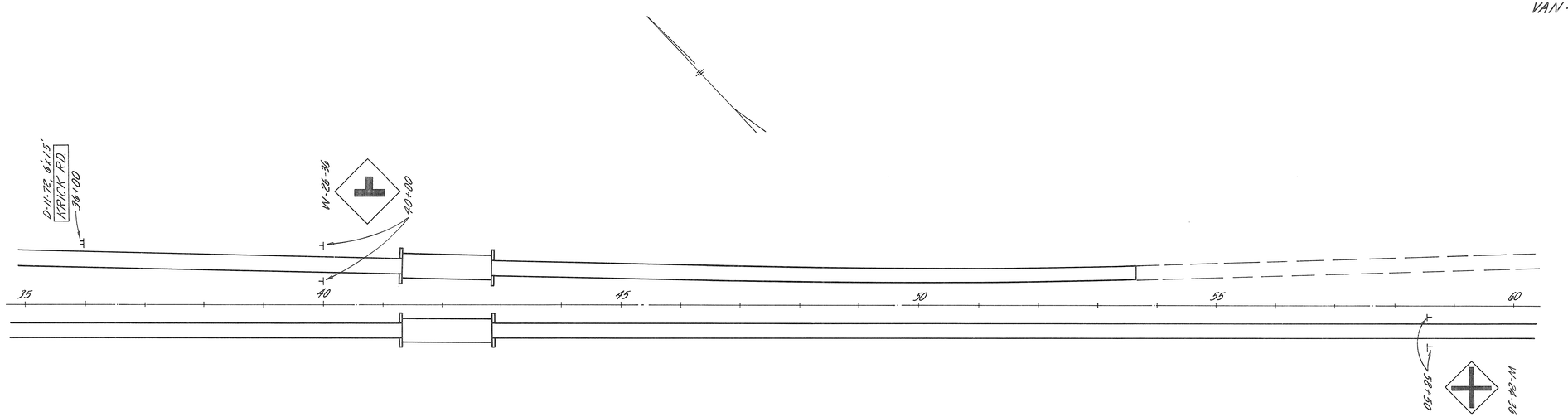
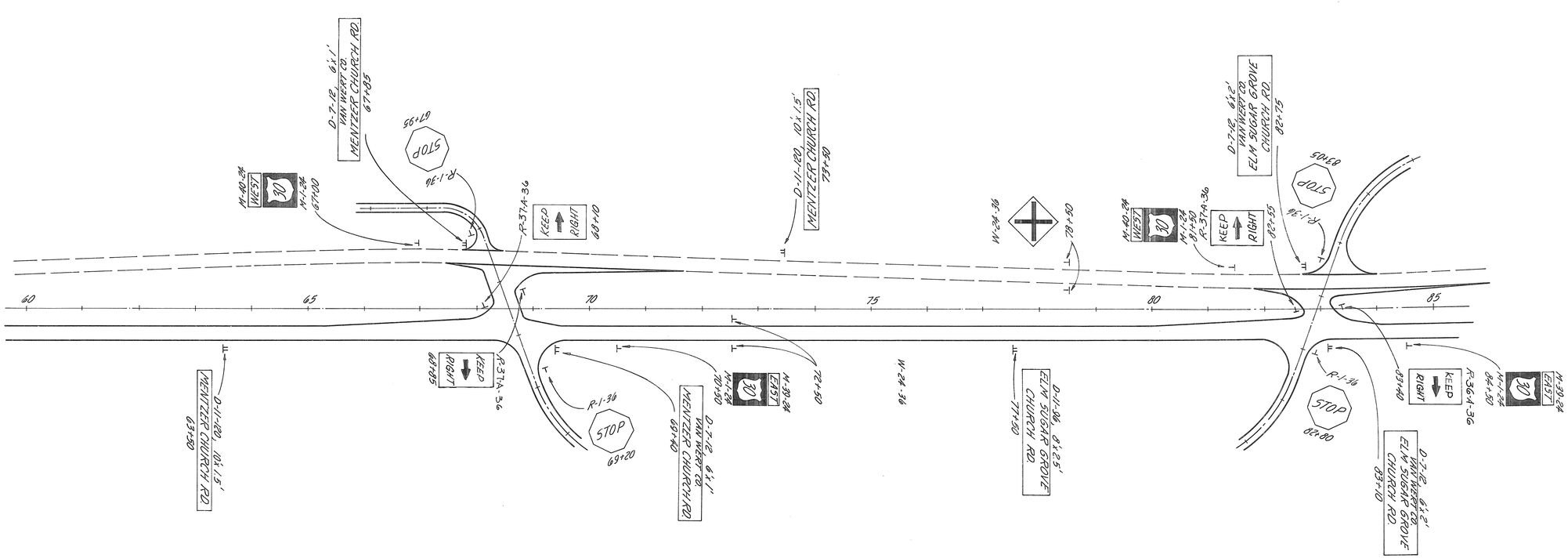
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00





SIGN PLAN LAYOUT Sta. 35+00 to Sta. 85+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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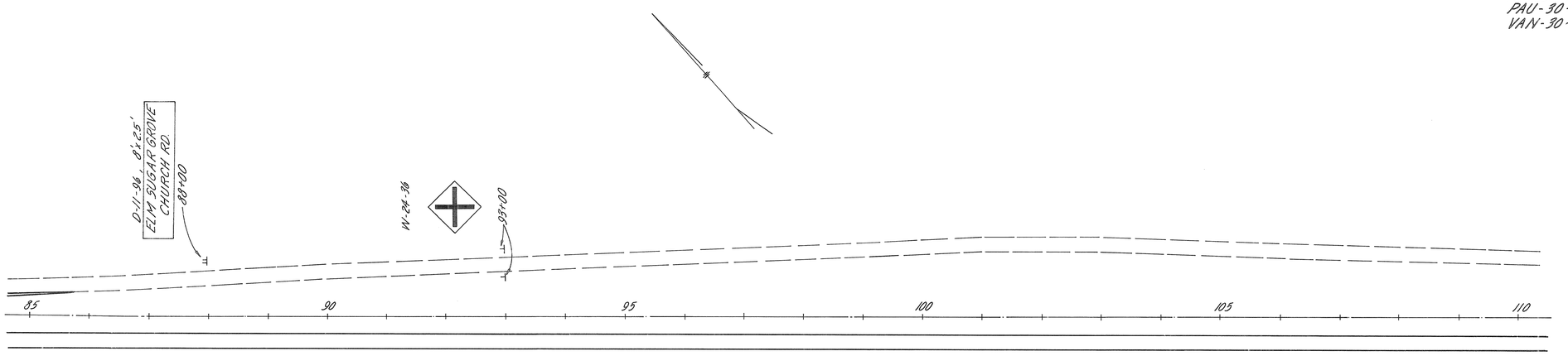
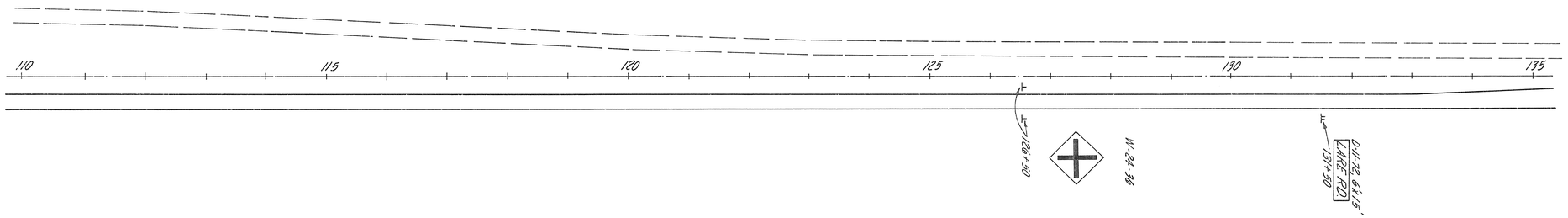
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



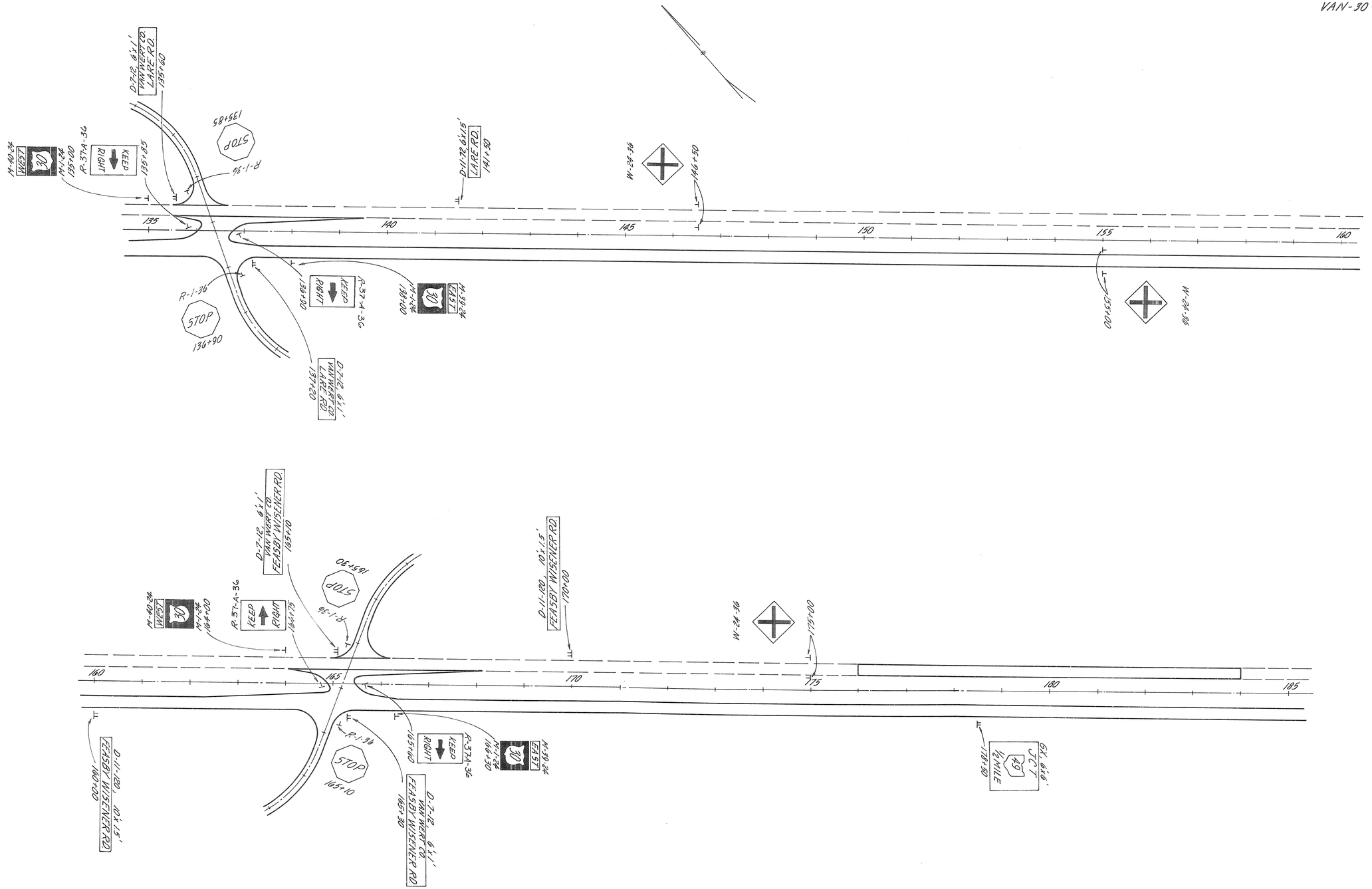


SIGN PLAN LAYOUT Sta. 85+00 to Sta. 135+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

139

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

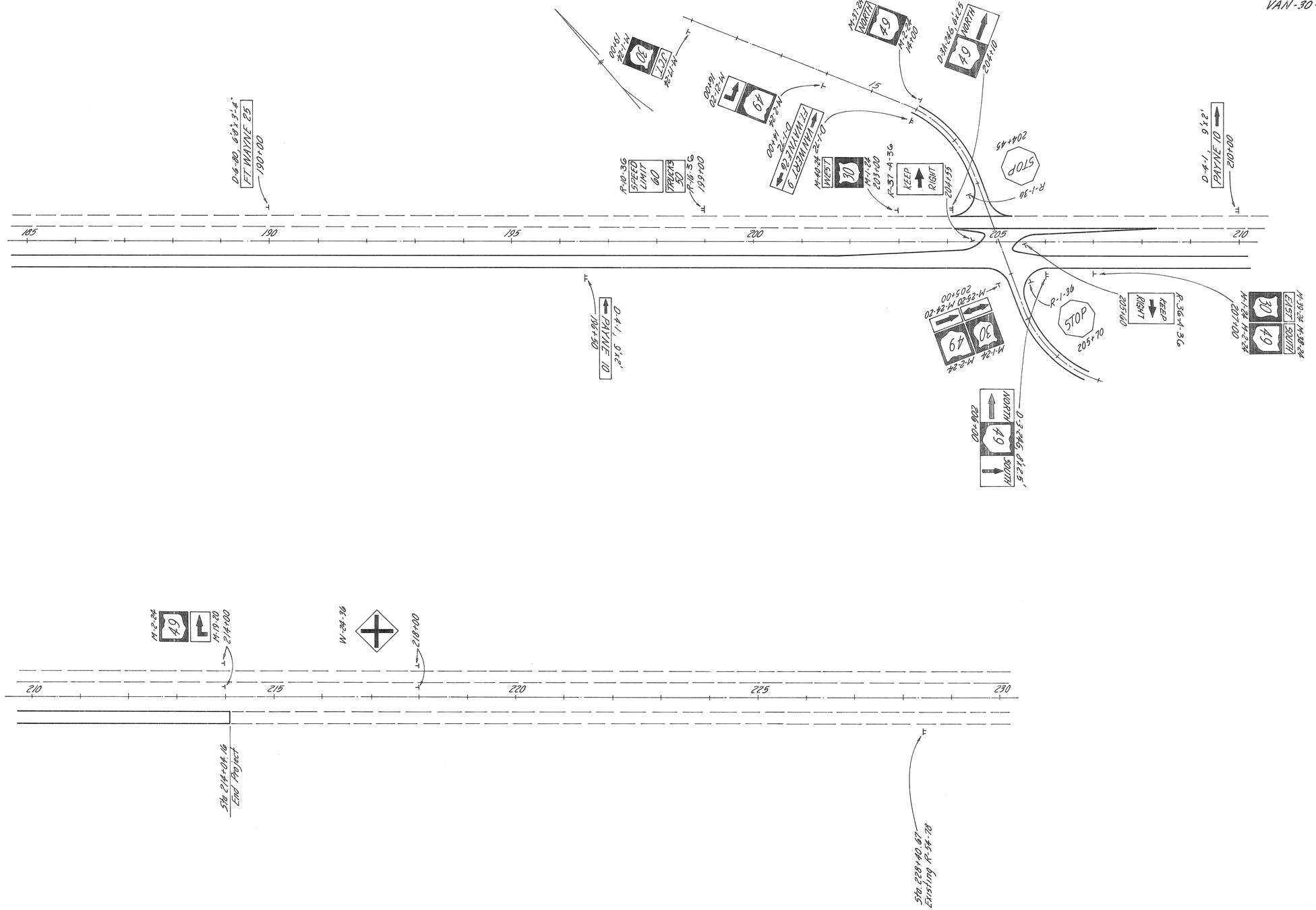


SIGN PLAN LAYOUT - Sh. 135:00 to Sh. 185:00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

140

PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00



SIGN PLAN LAYOUT Sta. 185+00 to Sta. 230+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

NOTES

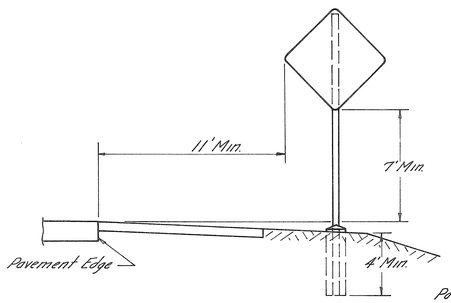
1- Horizontal back bracing shall always be mounted on the front flange of the support except where signs are mounted back to back. Back bracing shall never extend above the top edge of uppermost sign plate and be attached to supports using 5/16" galvanized steel bolts.

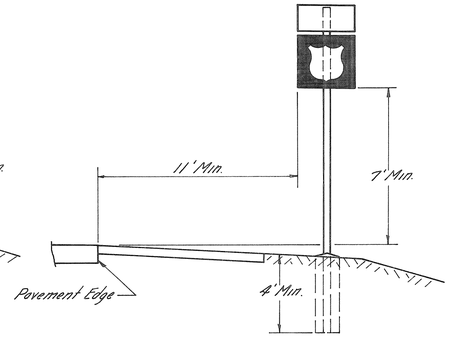
2- Screws, nuts and washers for sign erection shall be aluminum except as above noted. 5/16" truss head slotted machine screws with hexagon nuts shall be used. Washers shall be 1/2". Washers used on the sign face only. These items will be provided by others.

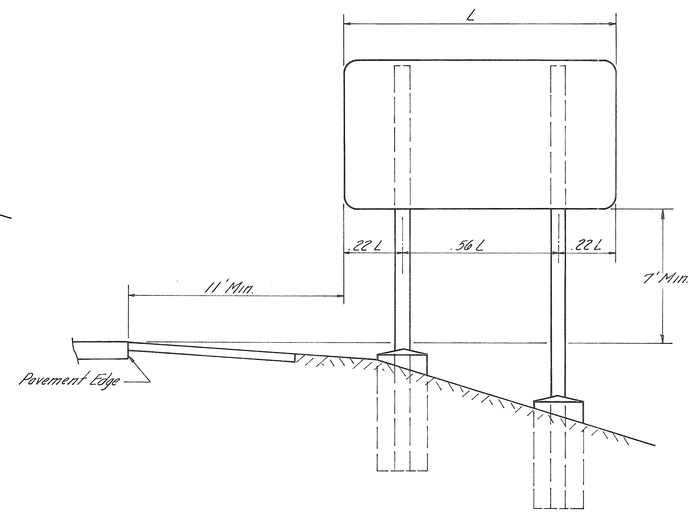
3- Sign installations shall be placed so that supports are not placed in drainage ditches.

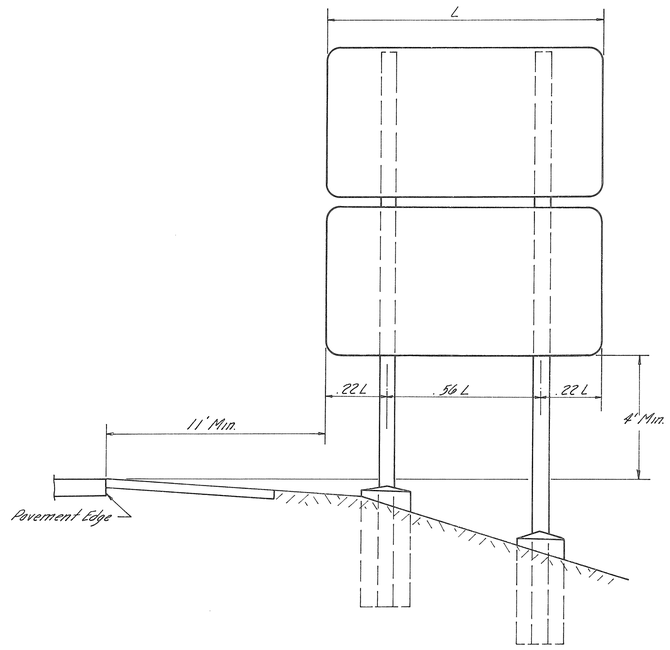
4- Vertical and Horizontal clearance between signs on one assembly be a maximum of 2".

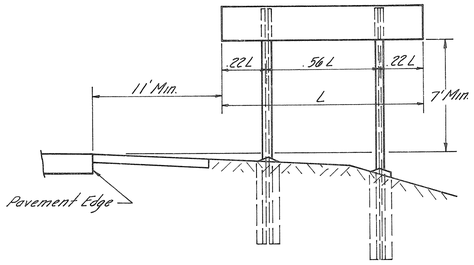
5- Galvanized steel bearing plates shall be included between all sheet aluminum signs attached to vertical supports at each sign bolt location. Bearing plates will be provided by others.

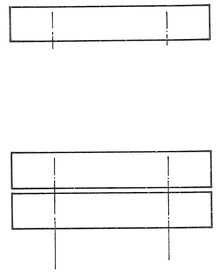


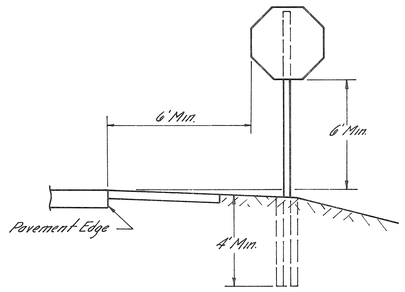


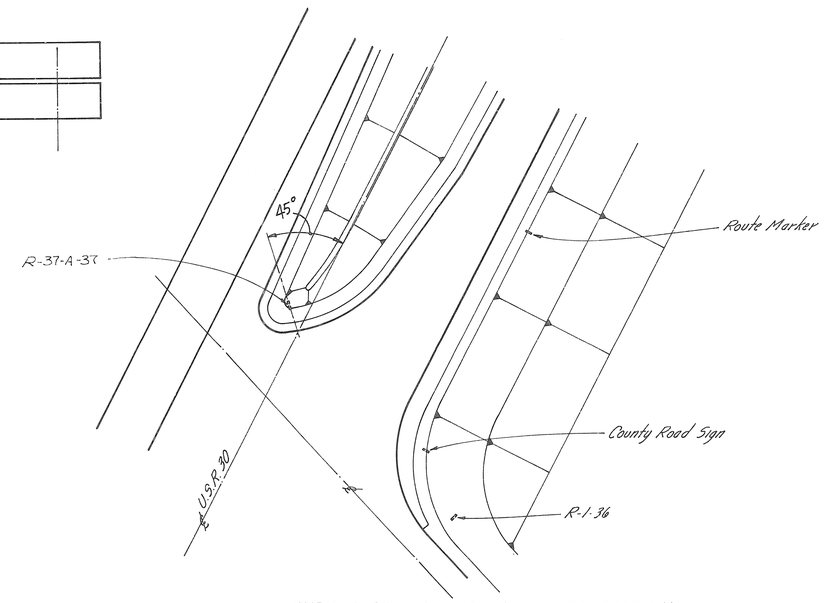








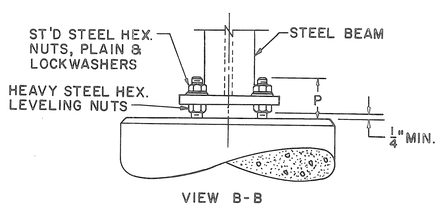


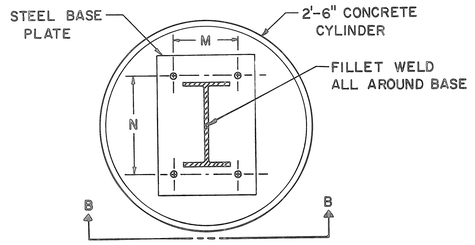


TYPICAL SIGN LOCATION AT A INTERSECTION

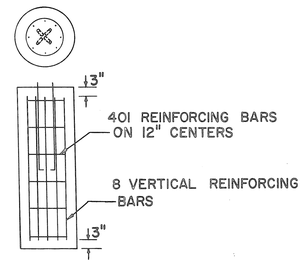
TYPICAL ERECTION AND PLACEMENT OF SIGNS

BEAM SIZE	ANCHOR BOLTS DIA.	ANCHOR BOLTS LENGTH	BASE PLATE	HOLE SIZE	DIM. M	DIM. N	DIM. P	WELD SIZE	DIM. H	DIM. W	CU. YDS. FOR 2 POST	MARK	TYPE	NO.	LENGTH	WEIGHT FOR 1 POST
10 B11.5	3/4"	3'-0"	7/8"x6"x18"	7/8"	3 1/2"	14"	3 1/2"	1/4"	5.25'	2'-6"	1.9	401	101	6	7'-6"	45
												402	STR.	8	5'-0"	
10 B17	1"	3'-6"	7/8"x6"x18"	1 1/8"	3 3/4"	14"	4 1/4"	1/4"	6.0'	2'-6"	2.2	401	101	7	7'-6"	52
												403	STR.	8	5'-9"	
12 B22	1"	4'-0"	1"x9"x19"	1 1/8"	5 1/2"	15"	4 1/4"	1/4"	6.75'	2'-6"	2.5	401	101	8	7'-6"	61
												404	STR.	8	7'-0"	
12 WF27	1 1/4"	4'-0"	1"x9"x19"	1 3/8"	5 1/2"	15"	5 1/4"	1/4"	8.0'	2'-6"	2.9	401	101	9	7'-6"	94
												501	STR.	8	8'-0"	
14 WF30	1 1/4"	4'-0"	1"x11"x20"	1 3/8"	7 1/2"	16"	5 1/4"	5/16"	8.25'	2'-6"	3.0	401	101	10	7'-6"	101
												502	STR.	8	8'-6"	
14 WF34	1 1/4"	4'-0"	1"x12"x22"	1 3/8"	9"	18"	5 1/4"	5/16"	9.0'	2'-6"	3.3	401	101	10	7'-6"	103
												503	STR.	8	8'-9"	
16 WF36	1 1/2"	5'-0"	1 1/4"x14"x23"	1 5/8"	10"	19"	6"	5/16"	9.75'	2'-6"	3.5	401	101	11	7'-6"	145
												601	STR.	8	9'-3"	
16 WF40	1 1/2"	5'-6"	1 1/4"x14"x24"	1 5/8"	10"	20"	6"	5/16"	10.0'	2'-6"	3.6	401	101	11	7'-6"	148
												602	STR.	8	9'-6"	
16 WF45	1 1/2"	6'-0"	1 1/4"x14"x24"	1 5/8"	10"	20"	6"	5/16"	10.5'	2'-6"	3.8	401	101	11	7'-6"	155
												603	STR.	8	10'-0"	
18 WF50	1 3/4"	7'-6"	1 1/2"x14"x26"	1 7/8"	10"	22"	6 3/4"	5/16"	11.5'	2'-6"	4.2	401	101	12	7'-6"	164
												604	STR.	8	10'-6"	



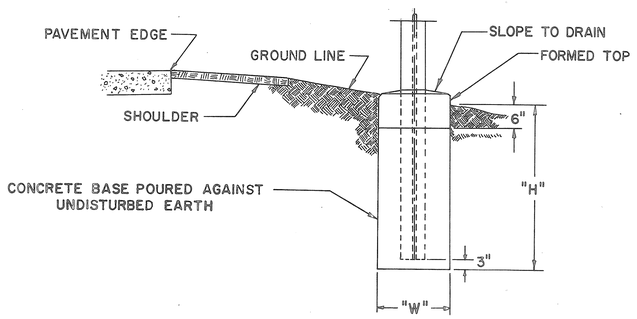


ALTERNATE ANCHOR BASE DETAILS

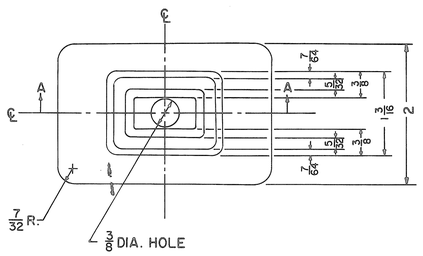


REINFORCING FOR ALTERNATE ANCHOR BASE

BEAM SIZE	DIM. W	DIM. H	CU. YDS. CONC. 2 POST
4# POST	1'-0"	4.0'	0.2
4# BEAM	1'-0"	4.0'	0.2
8# BEAM	1'-0"	4.0'	0.2
6 B 8.5	1'-0"	4.0'	0.2
10 B 11.5	2'-6"	5.25'	1.9
10 B17	2'-6"	6.0'	2.2
12 B22	2'-6"	6.75'	2.5
12 WF27	2'-6"	8.0'	2.9
14 WF30	2'-6"	8.25'	3.0
14 WF34	2'-6"	9.0'	3.3
16 WF36	2'-6"	9.75'	3.5
16 WF40	2'-6"	10.0'	3.6
16 WF45	2'-6"	10.5'	3.8
18 WF50	2'-6"	11.5'	4.2



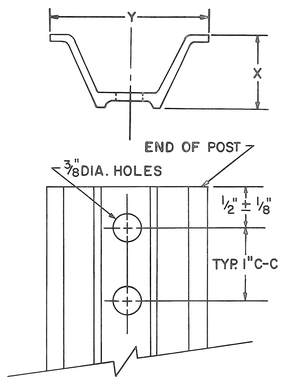
FOUNDATION DETAILS FOR EMBEDDED POSTS AND BEAMS



SECTION AA

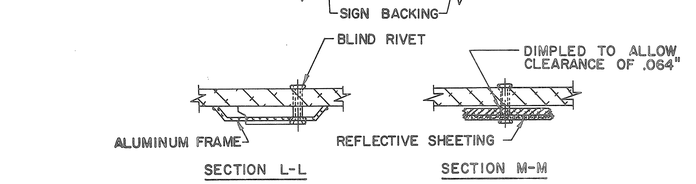
NOTE:
THE PLATE IS SYMMETRICAL ABOUT EITHER CENTERLINE.
METAL SHALL BE 16 GAUGE STEEL.
ALL DIMENSIONS ARE IN INCHES.

BEARING PLATE DETAIL

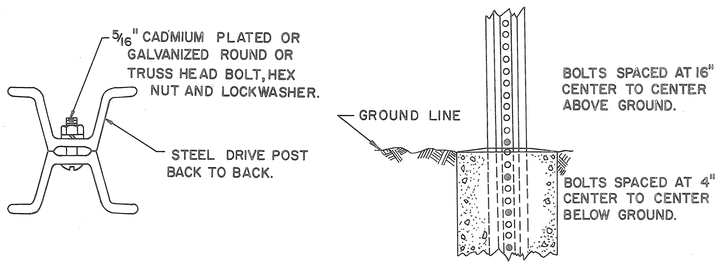


WEIGHT PER FOOT	X ± 3/32"	Y ± 1/8"
2.00 #	1 1/2"	3 1/8"
3.00 #	1 3/4"	3 1/2"
4.00 #	1 3/4"	3 1/2"

DRIVE POST DETAILS



DEMOUNTABLE LETTERS & SYMBOLS



4# AND 8# BEAM DETAILS

NOTES

PLAN QUANTITIES FOR POSTS AND STRUCTURAL SUPPORTS ARE BASED UPON THE "FOUNDATION DETAILS FOR EMBEDDED POSTS AND BEAMS".

IF THE CONTRACTOR ELECTS TO USE THE METHOD SHOWN FOR "ALTERNATE ANCHOR BASE DETAILS", THE PLAN QUANTITY OF EMBEDDED BEAM ONLY WILL BE ALLOWED IN EXCHANGE AND FULL PAYMENT FOR THE BASE PLATE, ANCHOR BOLTS AND REINFORCING STEEL.

WHERE ANCHOR BASES ARE USED, THE BEAM SIZE SHALL DETERMINE THE ANCHOR BOLT AND BASE PLATE SIZE.

DEMOUNTABLE UNITS SHALL BE ATTACHED TO THE ALUMINUM PANELS WITH ALUMINUM BLIND RIVETS. CARE SHALL BE TAKEN TO INSURE THAT ALL SEGMENTS OF EACH LETTER OR SYMBOL ARE SECURELY AFFIXED TO THE BACKING. LETTERS CONTAINING REFLECTIVE UNITS SHALL BE FASTENED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

DEMOUNTABLE MARKERS OR SHIELDS SHALL BE SECURELY AFFIXED TO THE BACKING UTILIZING THE HOLES AS LOCATED ON SHEET ____.

IN LIEU OF THE .040" THICK FRAME SPECIFIED IN SUPPLEMENTAL SPECIFICATION I-128, THE FRAMES FOR THE REFLECTIVE UNITS IN THE SIGN OUTLINES ONLY, MAY BE .032" THICK ALUMINUM. (A.S.T.M. B209GS11A-T6).

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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BUREAU OF TRAFFIC
OHIO DEPARTMENT OF HIGHWAYS

MISCELLANEOUS SIGNING ITEMS

MSI

DATE 10-29-63 8-19-64

APPROVED _____ ENGINEER OF TRAFFIC

224-9.70

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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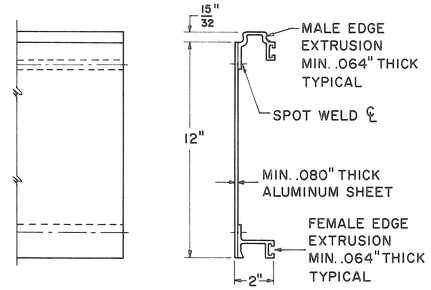
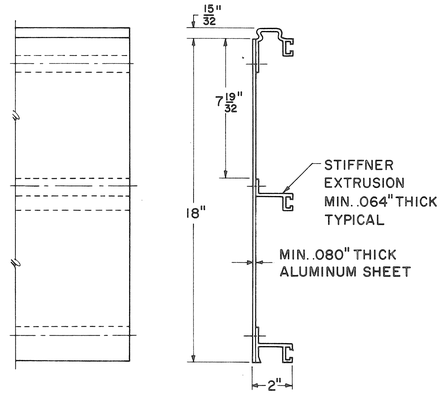
12" EXTRUSHEET PANEL



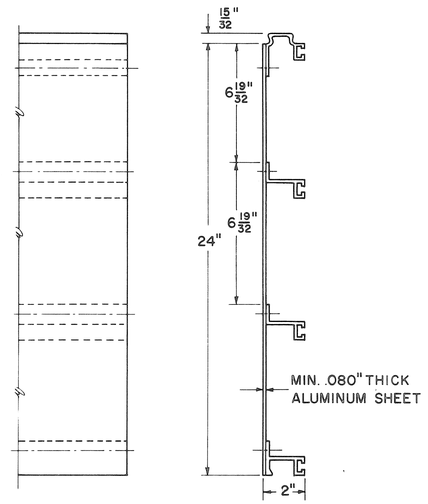
FRONT VIEW SIDE VIEW

18" EXTRUSHEET PANEL



FRONT VIEW SIDE VIEW

24" EXTRUSHEET PANEL



FRONT VIEW SIDE VIEW

NOTES:

EXTRUSHEET PANELS SHALL BE ALUMINUM; SPOT WELDING AND ALL MATERIALS SHALL CONFORM WITH SUPPLEMENTAL SPECIFICATION 815

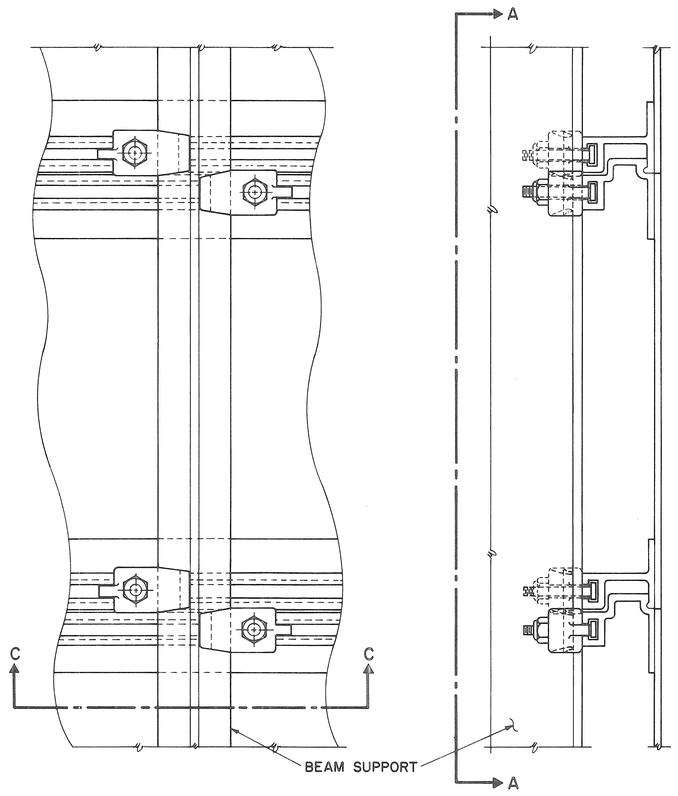
COMBINATIONS OF 12", 18", AND 24" PANELS ARE USED TO ATTAIN REQUIRED SIGN HEIGHT.

INDIVIDUAL PANELS SHALL BE THE SAME LENGTH AS THE HORIZONTAL LENGTH OF SIGN WITH NO SPLICES.

PANELS SHALL BE INTERLOCKED AND ERECTED WITH THE MALE EXTRUSION LOCATED AT THE TOP EDGE OF THE SIGN.

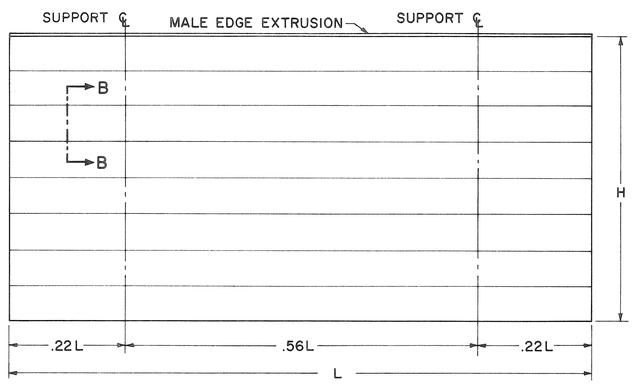
EXTRUSHEET PANELS SHALL BE FASTENED TO EACH VERTICAL SUPPORT MEMBER WITH MOUNTING CLIPS; ALTERNATELY AT EACH HORIZONTAL EXTRUSION; BOTH SIDES AT EACH JOINT, AND ON BOTH SIDES AT TOP AND BOTTOM EDGE OF SIGN.

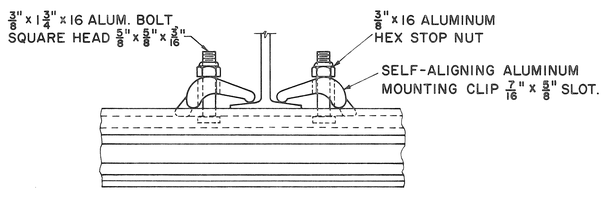
THE PANELS SHALL BE DESIGNED TO WITHSTAND A WIND LOAD OF 35 POUNDS PER SQUARE FOOT.



SECTION A-A SECTION B-B

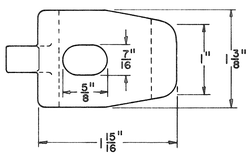
GENERAL ARRANGEMENT

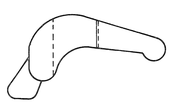




SECTION C-C

CLIP DETAIL





SPOT WELDS

PANEL SIZE	MAXIMUM SPOT WELD SPACING	
	CENTER TO CENTER	BETWN ROWS
12 INCH	4 INCH	10 INCH
18 & 24 INCH	4 INCH	8 INCH

BUREAU OF TRAFFIC
OHIO DEPARTMENT OF HIGHWAYS

ALUMINUM EXTRUSHEET PANEL SIGN

ECD

DATE 9-25-63

APPROVED _____
ENGINEER OF TRAFFIC

Mega-Flex Tracing

Var 234-F 70

ALUMINUM EXTRUSHEET PANEL SIGN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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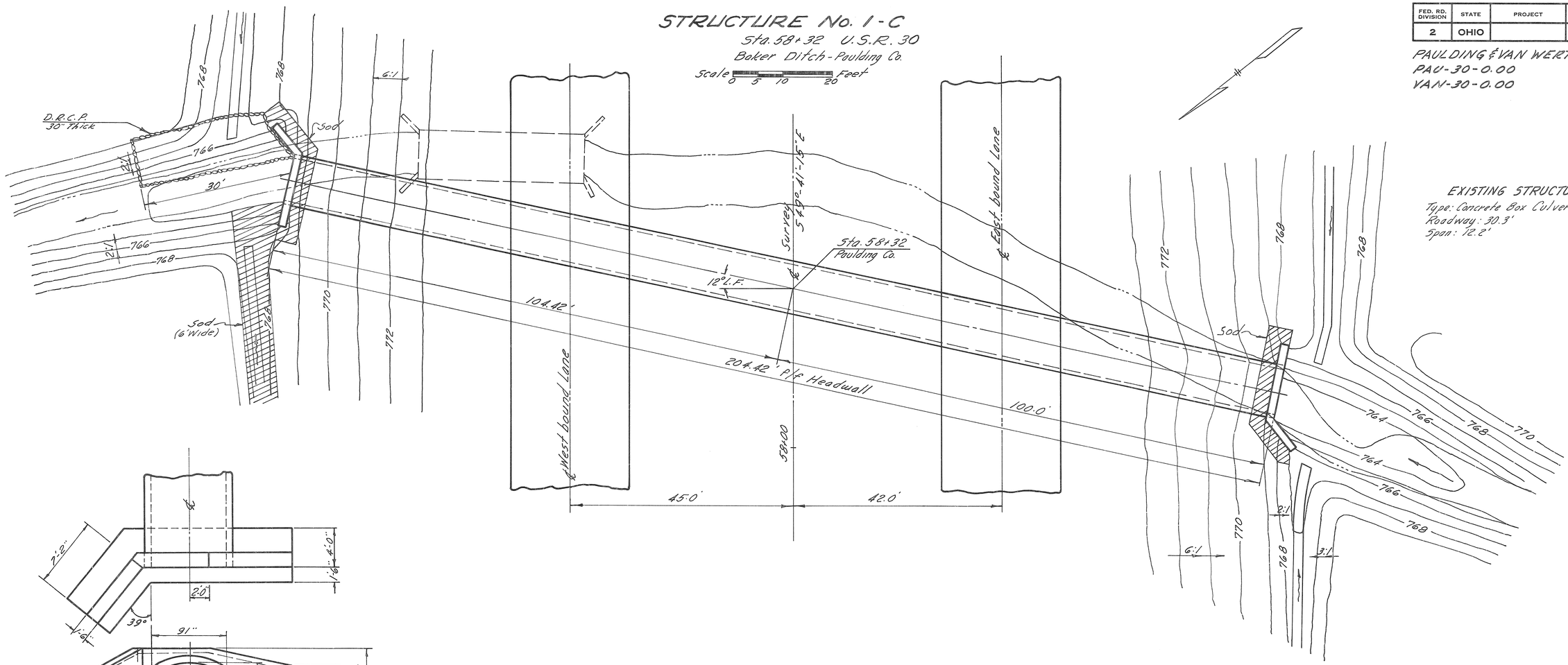
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

STRUCTURE No. 1-C

Sta. 58+32 U.S.R. 30
Baker Ditch - Paulding Co.

Scale 0 5 10 20 Feet



EXISTING STRUCTURE
Type: Concrete Box Culvert
Roadway: 30.3'
Span: 12.2'

HEADWALL DETAIL (HW-3 Mod. as shown)

DESIGN DATA

Drainage Area — 6.72 Acres
Q 25 ≈ 150 cfs — Bulletin 32
Q 50 ≈ 182 cfs — Bulletin 32
So = 0.002 ft/ft
Vel = 8.50 f.p.s.

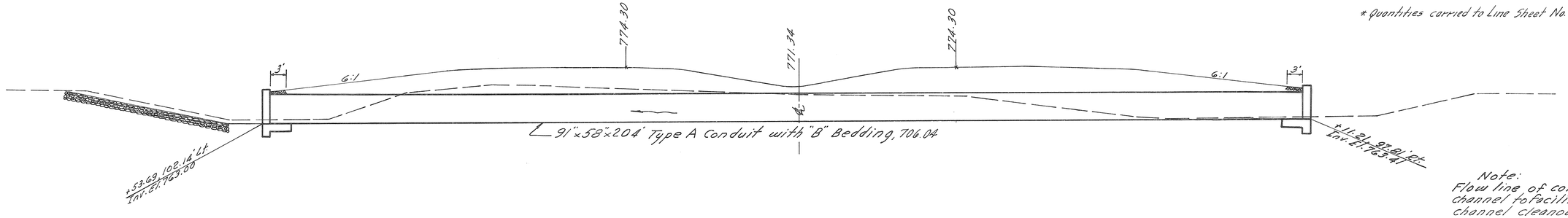
WORK REQUIRED

Remove existing concrete slab bridge. Excavate for structure and channel as per plan. Construct 91"x58"x204' Type A conduit with class B bedding, 706.04. Place sodding, headwalls, and dumped rock channel protection as shown.
Standard Drawings: MC-4 & HW-3

ESTIMATED QUANTITIES *

603	91"x58" Type "A" conduit with Class "B" bedding, 706.04	204 Lin. Ft.
602	Concrete Masonry	26.8 Cu. Yd.
601	Dumped rock channel protection	38 Cu. Yd.
202	Removal of existing structure	Lump Sum
660	Sodding	192 Sq. Yd.

* Quantities carried to Line Sheet No. 18



Note:
Flow line of conduit below channel to facilitate future channel cleanout

STRUCTURE DETAIL No. 1-C

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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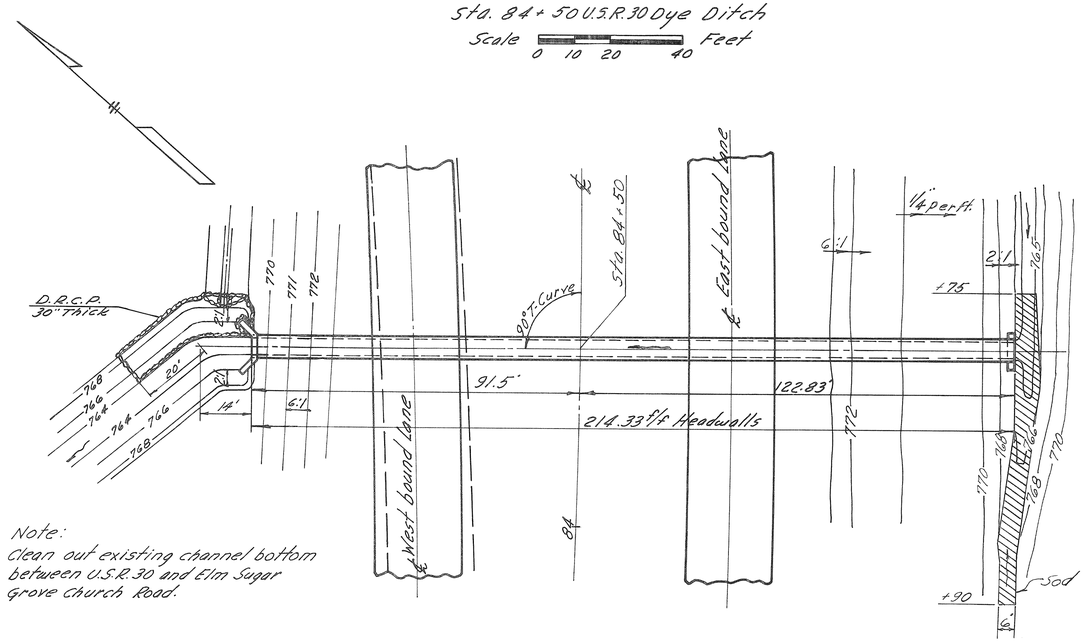
PAULDING & VAN WERT COUNTIES
PAU-30-0.00
VAN-30-0.00

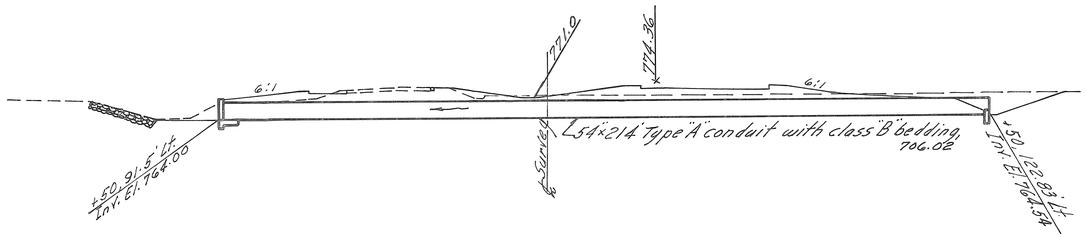
STRUCTURE No. 2-C

Sta. 84+50 U.S.R.30 Dye Ditch

Scale 0 10 20 40 Feet



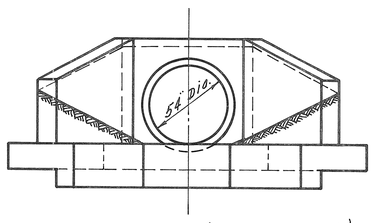
Note:
Clean out existing channel bottom between U.S.R.30 and Elm Sugar Grove Church Road.



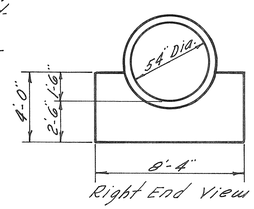
WORK REQUIRED

Excavate for structure as per plan. Construct 54"x214' reinf. conc. type "A" conduit with class "B" bedding 706.02. Place headwalls, sod, and dumped rock channel protection as shown. Use HW-3 Headwall Lt. & HW-E Headwall Rt.

Standard Drawings: MC-4, HW-3, HW-E



HEADWALL DETAIL (HW-3 TYPE A)
Left End View



Right End View

ESTIMATED QUANTITIES*

603	54" Type "A" conduit with class "B" bedding, 706.02.	214	Lin. Ft.
602	Concrete Masonry HW-3 Left.	10.0	Cu. Yd.
	HW-E Right	0.96	Cu. Yd.
	Total	10.96	Cu. Yd.
660	Sodding	58	Sq. Yd.
601	Dumped rock channel protection 30" thick	37	Cu. Yd.
203	Channel Excavation	20	Cu. Yd.

*Quantities carried to Line Sheet No. 27

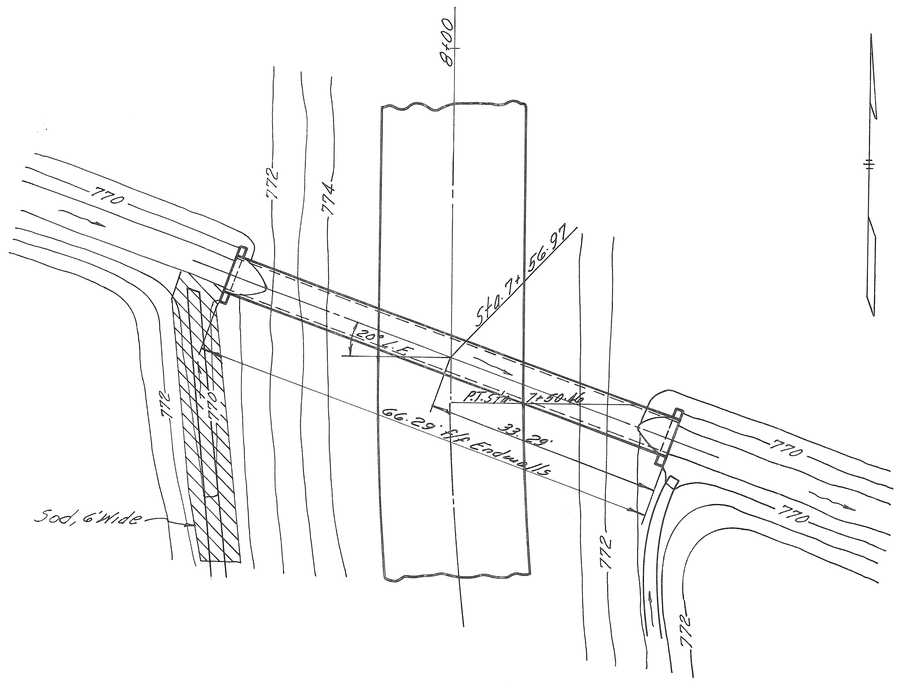
DESIGN DATA

Drainage Area ~ 307 Ac.
$Q_{25} \approx 0.65 \times 0.4 \times 1.0 \times 390$
$Q_{25} \approx 102$ cfs
Vel. = 7.1 f.p.s
So = 0.0025 ft/ft

STRUCTURE No. 6-C

Sta. 7+56.97 LARE ROAD

Scale 0 5 10 20 Feet

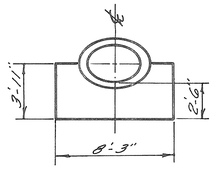


DESIGN DATA

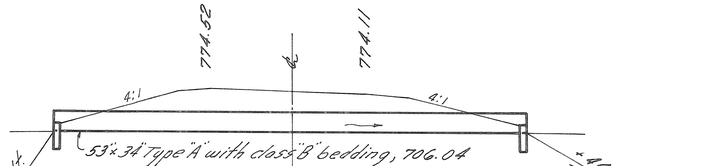
Drainage Area ~ 130 Ac.
$Q_{25} \approx 0.65 \times 0.4 \times 1.0 \times 220$
$Q_{25} \approx 57.2$ cfs
So = 0.0011 ft/ft
Vel. = 5.6 fps

ESTIMATED QUANTITIES*

603	53"x34" Type "A" with class "B" bedding, 706.04	66	Lin. Ft.
602	Concrete Masonry HW-E mod.	1.93	Cu. Yd.
660	Sodding	52	Sq. Yd.



End View
(HW-3 mod. as shown)



WORK REQUIRED

Excavate for structure as per plan. Construct 53"x34"x66' Type "A" conduit with class "B" bedding, 706.04. Place endwalls and sod as shown.

Standard Drawings: MC-4 & HW-E

*Quantities carried to Line Sheet No. 116

STRUCTURE No. 3-C

Sta. 180+31 MIDDLE CREEK U.S.R. 30

Scale 0 5 10 20 Feet

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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PAULDING & VAN WERT COUNTIES
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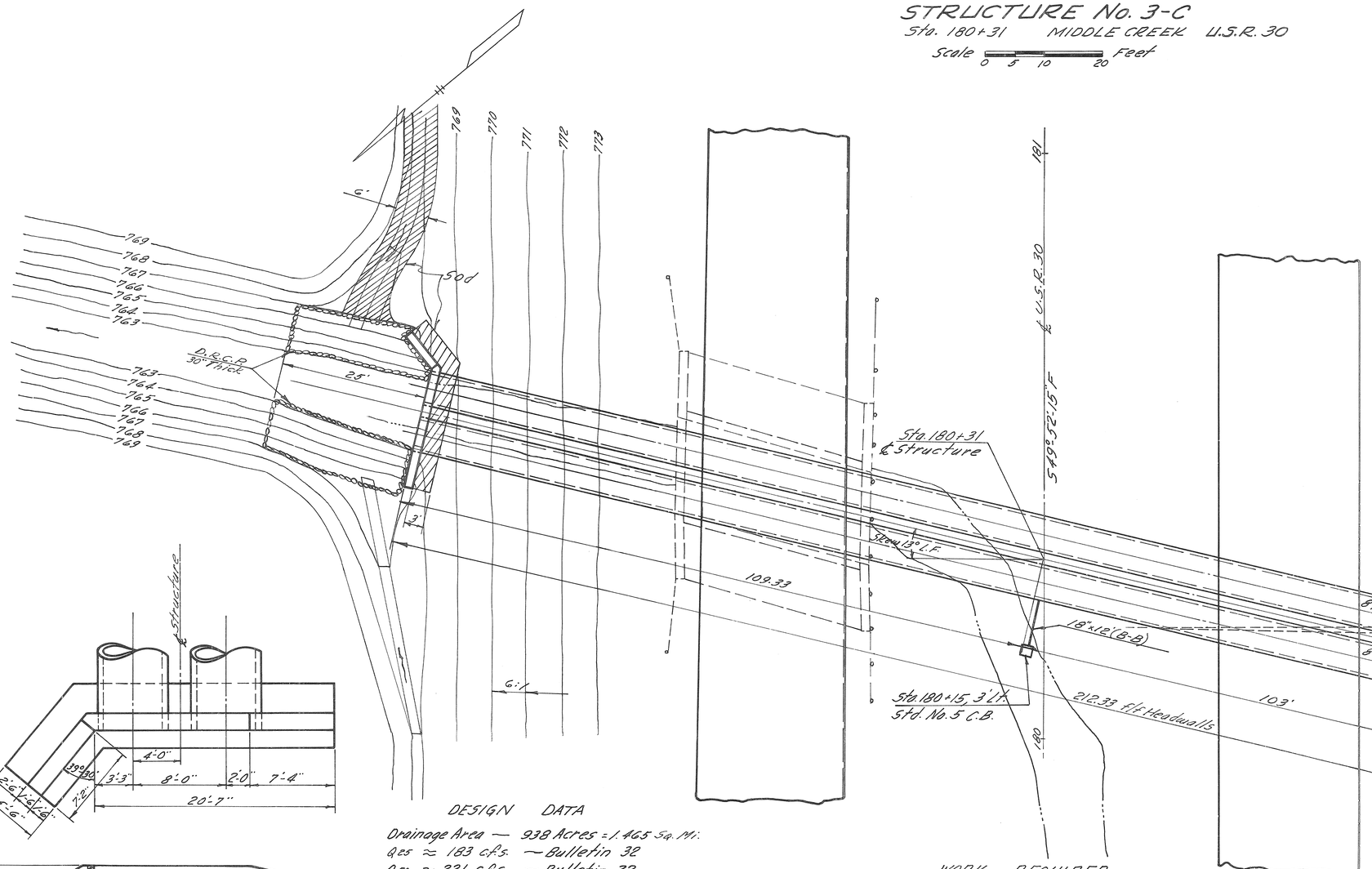
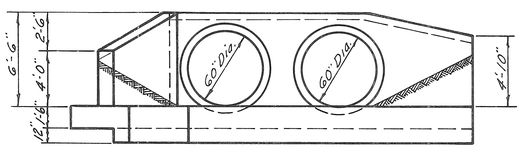
VAN-30-0.00





HEADWALL DETAIL (HW-3 Mod. as shown)
Class C Conc. 16.6 Cu. Yd. — Reinf. steel, #5 bars-1510 lb.
(Quantities for one Headwall)

DESIGN DATA

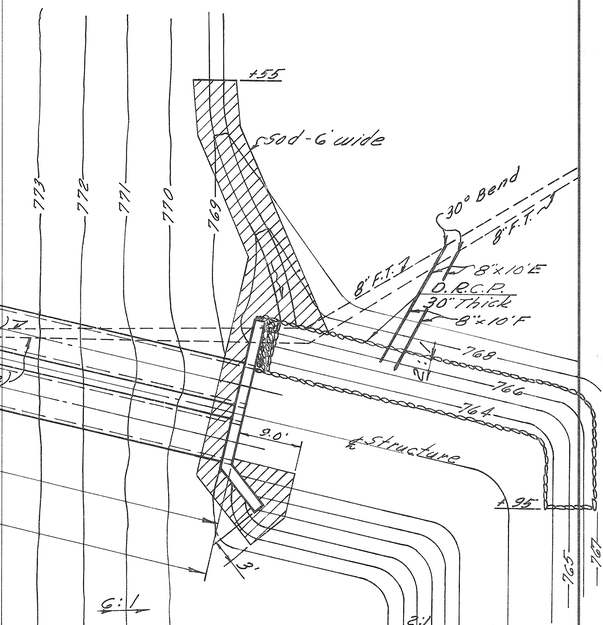
Drainage Area — 938 Acres = 1.465 Sq. Mi.
$Q_{25} \approx$ 183 c.f.s. — Bulletin 32
$Q_{50} \approx$ 221 c.f.s. — Bulletin 32
S_o = 0.0025 ft./ft.
Vel = 4.67 f.p.s.

WORK REQUIRED

Remove existing concrete slab bridge. Excavate for structure and channel as per plan. Construct 2 lines of 60"x 212' type "A" conduit with class "B" bedding, 706.02. Place headwalls, sod, and dumped rock channel protection as shown.
Standard Drawings : MC-4 and HW-3

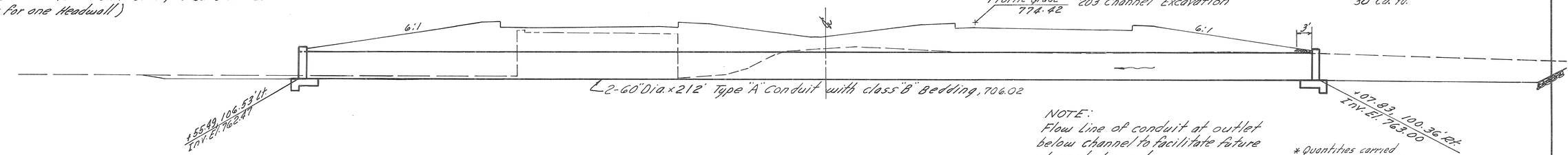
EXISTING STRUCTURE

Type : Concrete Slab Bridge
Roadway: 30'-0"
Skew : 15°-0"
Span : 16'-0"



ESTIMATED QUANTITIES *

603	60" Type "A" conduit with class "B" bedding, 706.02	424 Lin. Ft.
601	Dumped rock channel protection 30" Thick	76 Cu. Yd.
602	Concrete Masonry	33.2 Cu. Yd.
660	Sodding	206 Sq. Yd.
202	Removal of existing structure	Lump Sum
203	Channel Excavation	30 Cu. Yd.



NOTE:
Flow line of conduit at outlet below channel to facilitate future channel cleanout.

* Quantities carried to Line Sheet No. 37

STRUCTURE DETAIL No. 3-C

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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PAULDING & VAN WERT COUNTIES
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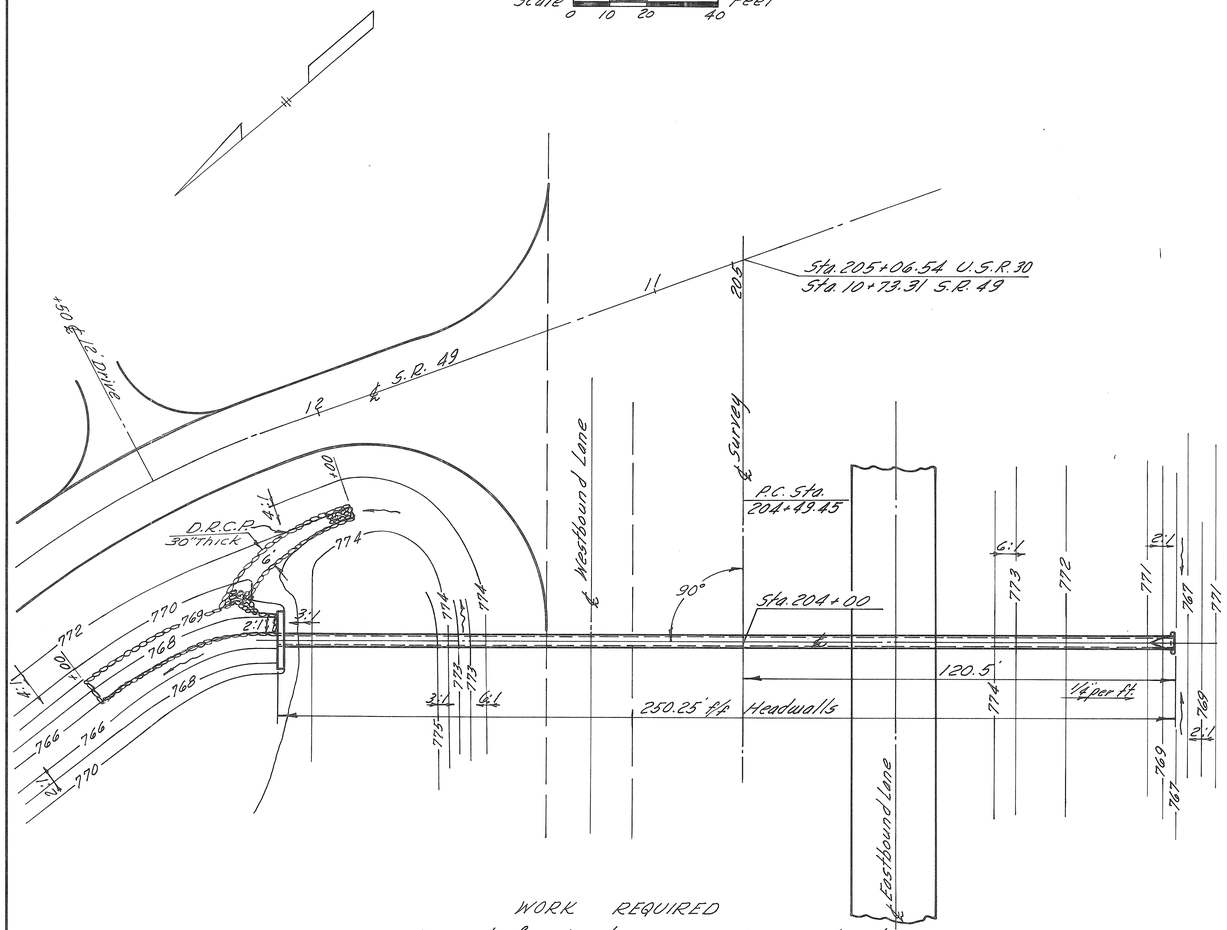
STRUCTURE No. 4-C

Sta. 204+00 U.S.R. 30

Scale 0 10 20 40 Feet



WORK REQUIRED

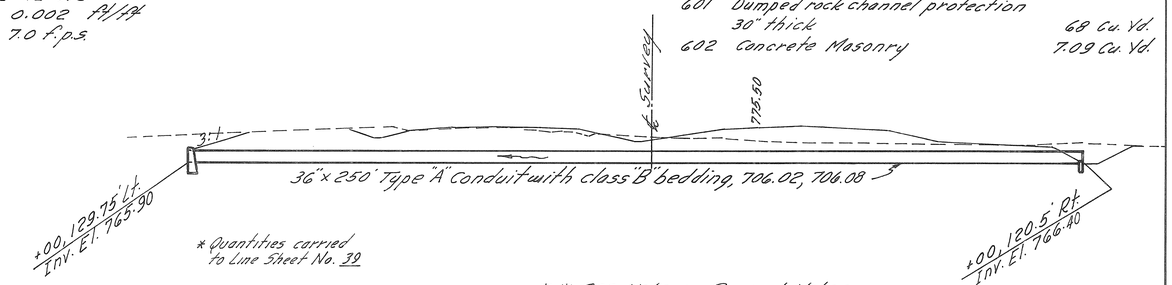
Excavate for structure as per plan. Construct
36"x250' Type "A" conduit with class "B" bedding, 706.02, 706.08, as per plan.
Place HW-1 headwall Lt. and HW-E endwall Rt. as shown.
Place dumped rock channel protection as shown.
Standard Drawings MC-4, HW-1, and HW-E

DESIGN DATA

Drainage Area — 75 Acres
$Q_{25} \approx 0.65 \times 1.0 \times 0.4 \times 160$
$Q_{25} \approx 42$ cfs
$S_o = 0.002$ ft/ft
Vel = 7.0 f.p.s.

ESTIMATED QUANTITIES*

603	36" Type "A" conduit with Class "B" Bedding 706.02, 706.08, as per plan**	250 Lin. Ft.
601	Dumped rock channel protection 30" thick	68 Cu. Yd.
602	Concrete Masonry	7.09 Cu. Yd.



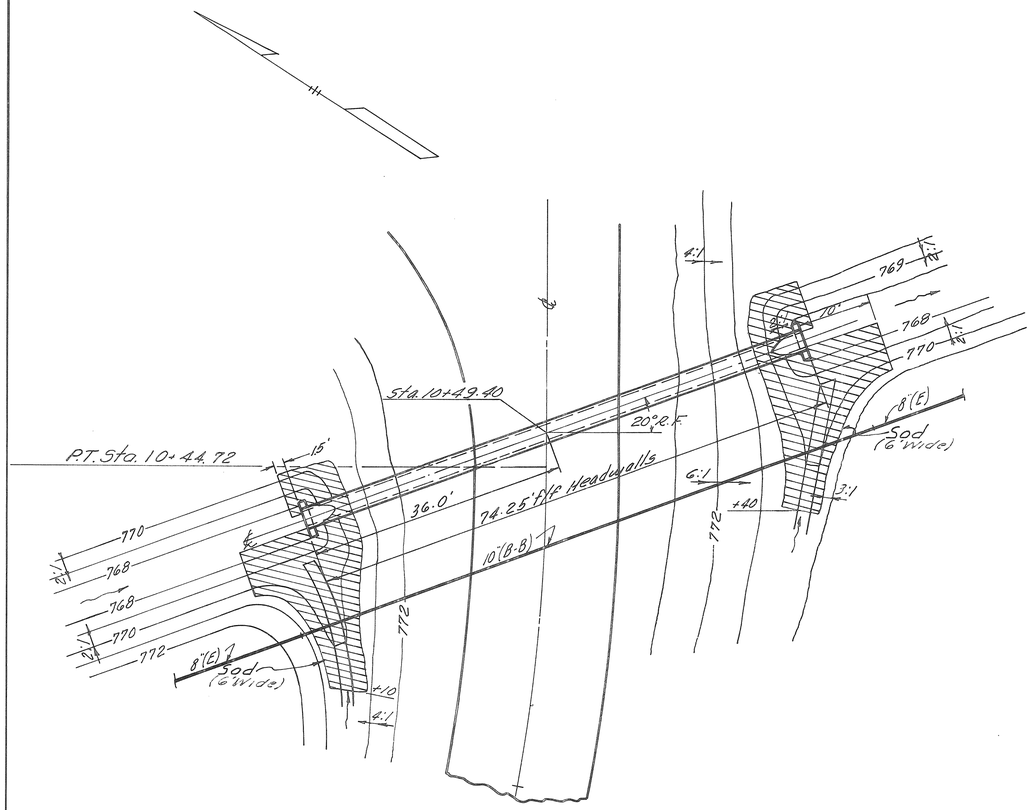
* Quantities carried to Line Sheet No. 39

** See Note on General Notes

STRUCTURE No. 5-C

Sta. 10+49.40 Elm Sugar Grove Church Road

Scale 0 5 10 20 Feet



WORK REQUIRED

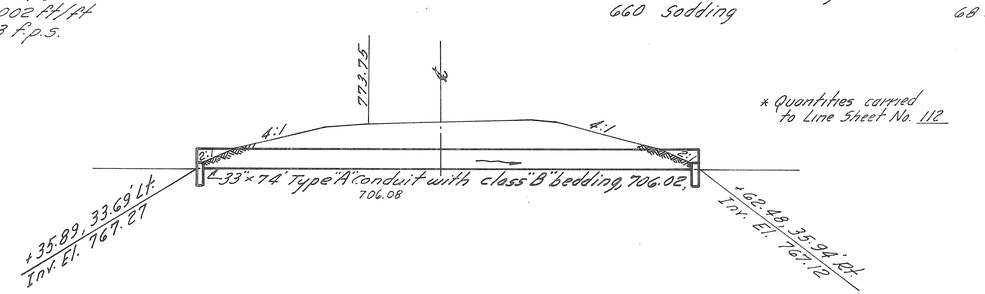
Excavate for structure as per plan. Construct
33"x74" Type "A" conduit with class "B" bedding, 706.02, 706.08
Place endwalls and sodding as shown.

DESIGN DATA

Drainage Area — 45 Acres
$Q_{25} \approx 0.65 \times 1.00 \times 0.4 \times 120$
$Q_{25} \approx 32$ cfs.
$S_o = 0.002$ ft/ft
Vel = 5.3 f.p.s.

ESTIMATED QUANTITIES*

603	33" Type "A" conduit with class "B" bedding, 706.02, 706.08	74 Lin. Ft.
602	Concrete Masonry	1.10 Cu. Yd.
660	Sodding	68 Sq. Yd.



* Quantities carried to Line Sheet No. 112

STRUCTURE DETAIL No. 4-C & No. 5-C

FED. RD. DIVISION	STATE	PROJECT		148
2	OHIO			

PAULDING & VAN WERT COUNTIES
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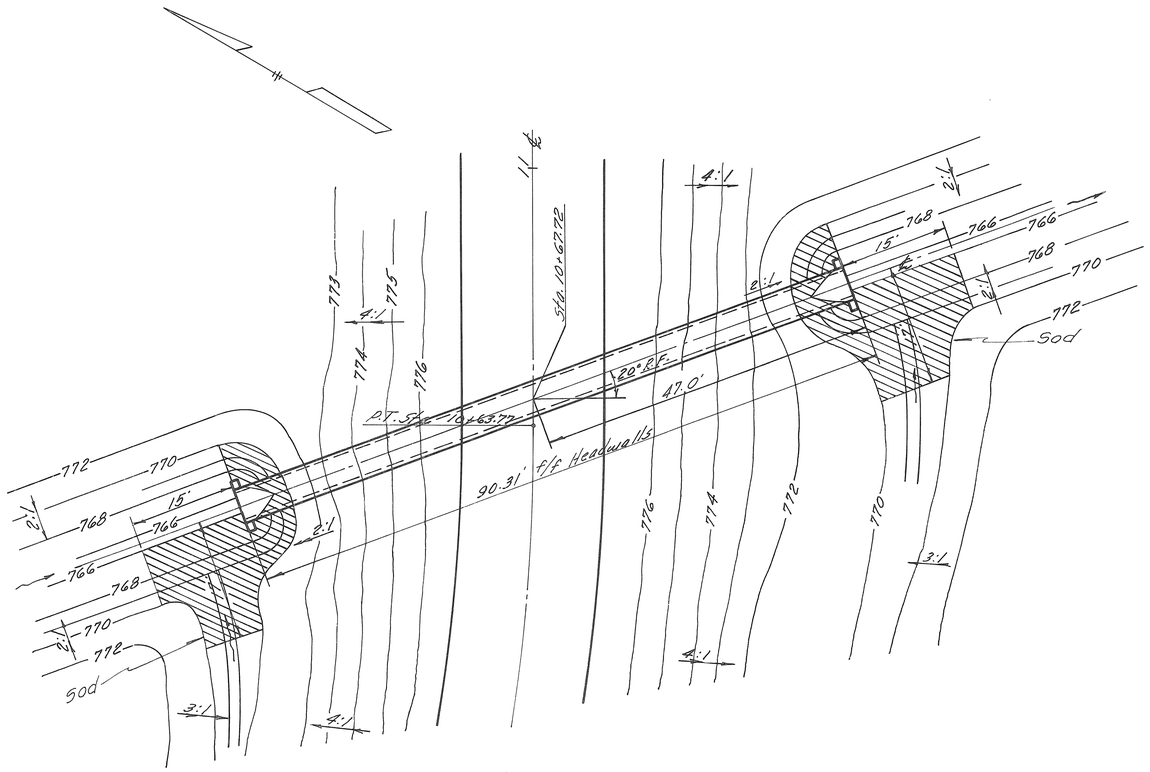
VAN-30-0.00

STRUCTURE No. 7-C

Sta. 10+67.72 Feasby Wisener Road

Scale 0 5 10 20 Feet



WORK REQUIRED

Excavate for structure as per plan. Construct 48"×90' type "A" conduit with class "B" bedding 706.02. Place end walls and sodding as shown. Standard Drawings MC-4 and HW-E

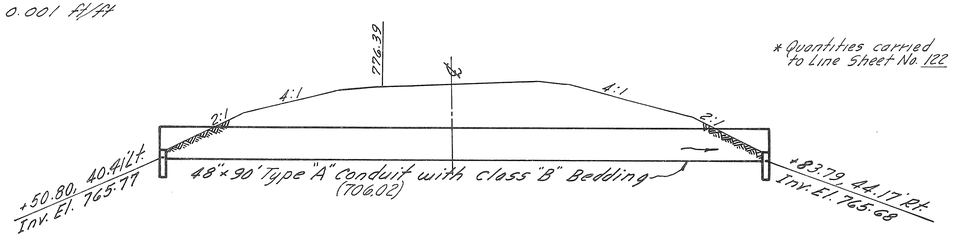
DESIGN DATA

Drainage Area — 177 Acres
$Q_{25} \approx 0.65 \times 0.40 \times 1.0 \times 300$
$Q_{25} \approx 78$ c.f.s.
$S_o = 0.001$ ft/ft

ESTIMATED QUANTITIES *

603	48" Type "A" conduit with class "B" Bedding, 706.02	90 Lin. Ft.
602	Concrete Masonry	1.72 Cu. Yd.
660	Sodding	70 Sq. Yd.

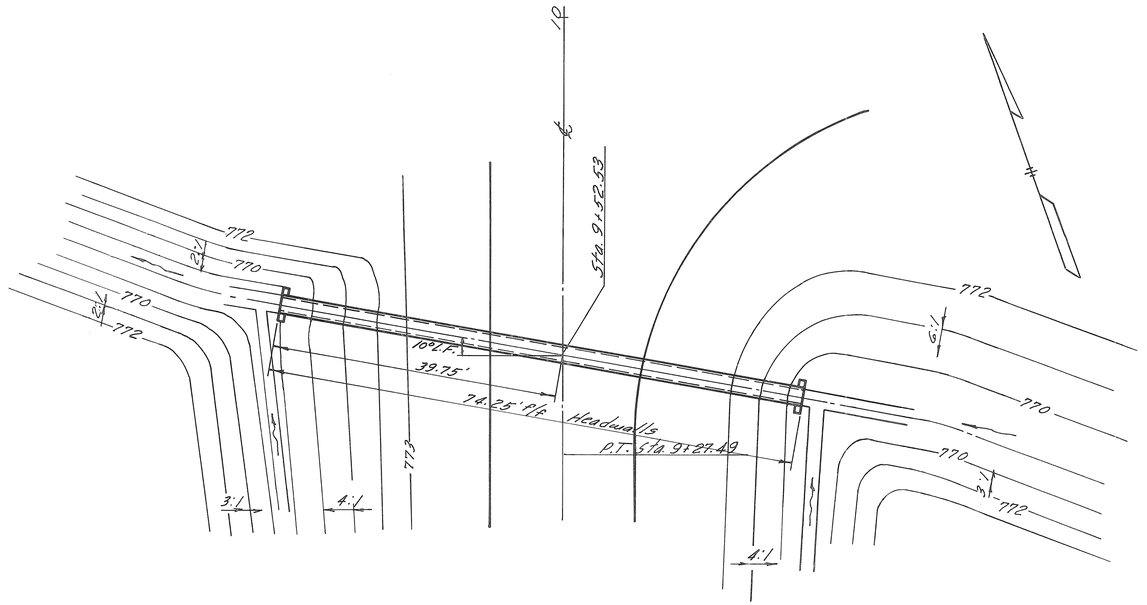
* Quantities carried to Line Sheet No. 122



STRUCTURE No. 8-C

Sta. 9+52.53 Payne Road

Scale 0 5 10 20 Feet



WORK REQUIRED

Excavate for structure as per plan. Construct 27"×74" Type "A" conduit with class "B" bedding, 706.08 706.02. Place Std. HW-E Endwalls as shown. Standard Drawings MC-4 and HW-E

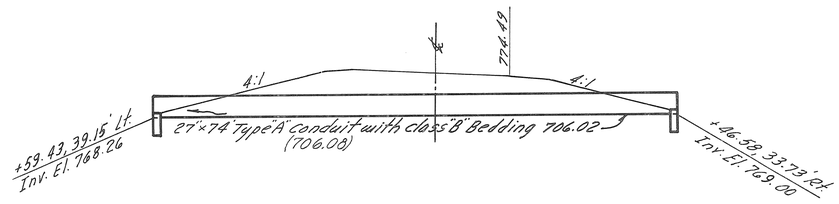
DESIGN DATA

Drainage Area — 25 Acres
$Q_{25} \approx 75 \times 0.65 \times 1.0 \times 0.4$
$Q_{25} \approx 20$ c.f.s.
$S_o = 0.01$ ft/ft

ESTIMATED QUANTITIES *

603	27" Type "A" conduit with class "B" bedding, 706.02, 706.08	74 Lin. Ft.
602	Concrete Masonry	0.94 Cu. Yd.

* Quantities carried to Line Sheet No. 126



STRUCTURE DETAIL No. 7-C & No. 8-C

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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PAULDING & VAN WERT COUNTY
PAU-30-0.00
VAN-30-0.00

12.4± Miles Northwest of Van Wert 0.7± Miles South of Paulding County Line

EXISTING STRUCTURE
TYPE : Reinforced Conc. Beam
SPAN : 40 Feet
SKEW : 0°
ALIGNMENT : 776 5° R.C.
LOADING : H-15
ROADWAY : 29'-0" f/f Curb
WATERWAY : 442 S.F.

MICROFILMED JUL 11 1996

FIRST BRIDGE UPSTREAM
TYPE : LOW STEEL TRUSS
SPAN : 39.5 L.F.
WATERWAY : 551.5 S.F.
LOCATION : 1 Mi. Upstream @ Sugar Grove Church Rd.

FIRST BRIDGE DOWNSTREAM
TYPE : LOW STEEL TRUSS
SPAN : 36.5 L.F.
WATERWAY : 473.1 S.F.
LOCATION : ½ Mi. Downstream @ Mentzer Church Rd.

1964 Traffic Count
Type "B" = 1670 u.p.d.
Total = 3740 u.p.d.
1984 Design Traffic = 11,000 u.p.d.

Clears Assumed 5-10 Year High Water by 8.5'±

DRAINAGE AREA = 15.6 Sq. Mi.

EARTHWORK limits shown are schematic. Actual slopes shall conform to plan cross-sections.

NOTE: Fill old channel to Elev. 770.00 ± where required.

PROPOSED STRUCTURE
TYPE : Continuous Reinforced Concrete Slab with capped pile substructure.
SPANS : 30'-375'-30' c/c Bearings
ROADWAY : 2 @ 40'-0" c/f Guardrail
LOAD FREQUENCY : CF-2000 (57)
SKEW : 27° Right Forward
WEARING SURFACE : 1" Monolithic Concr.
APPROACH SLABS : AS-1-54 (25' long)
ALIGNMENT : Tangent

BM. № 16 Spike in Telephone Pole Sta. 35+65, 168 ft. Lt. Elev. 773.84

BM. № 17 Spike in 24" Walnut, Sta. 40+96, 312 ft. Lt. Elev. 770.73

NOTE: Left or West Bound Lanes stationed independently as shown. Profile grades same for both East and West bound lanes as shown on profile.

All piles steel 12BP53
Estimated average pay length:
All abutments 23'
All Piers 30'

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

SITE PLAN

BRIDGE NO. VAN-30-0067 L & R
U.S.R-30 OVER BLUE CREEK
VAN WERT CO. U.S.R-30
SEC. STA. 42 + 38.66
SCALE 1" = 20' STA. 43 + 37.84

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
Aerial Survey	Aerial Survey	R.E.J.	R.E.J.	D.H.S.	P.E.S.

BFG 10-17-66

CHARLES BRUNING CO. INC.

MICROFILMED
JUL 11 1986

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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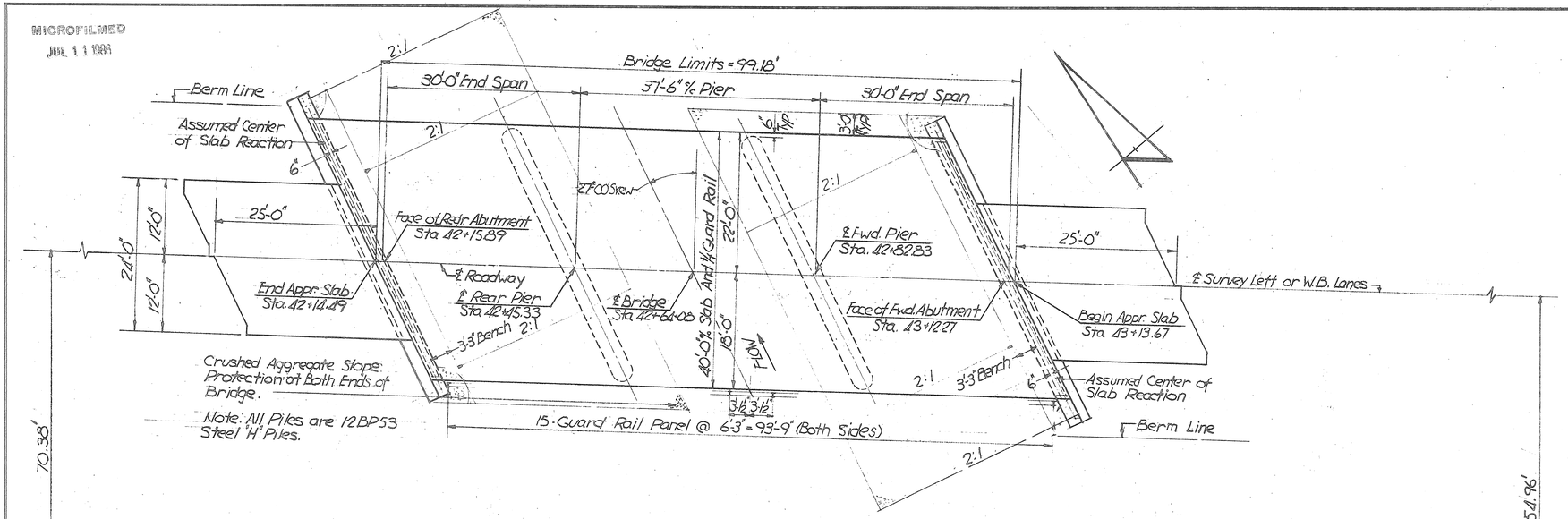
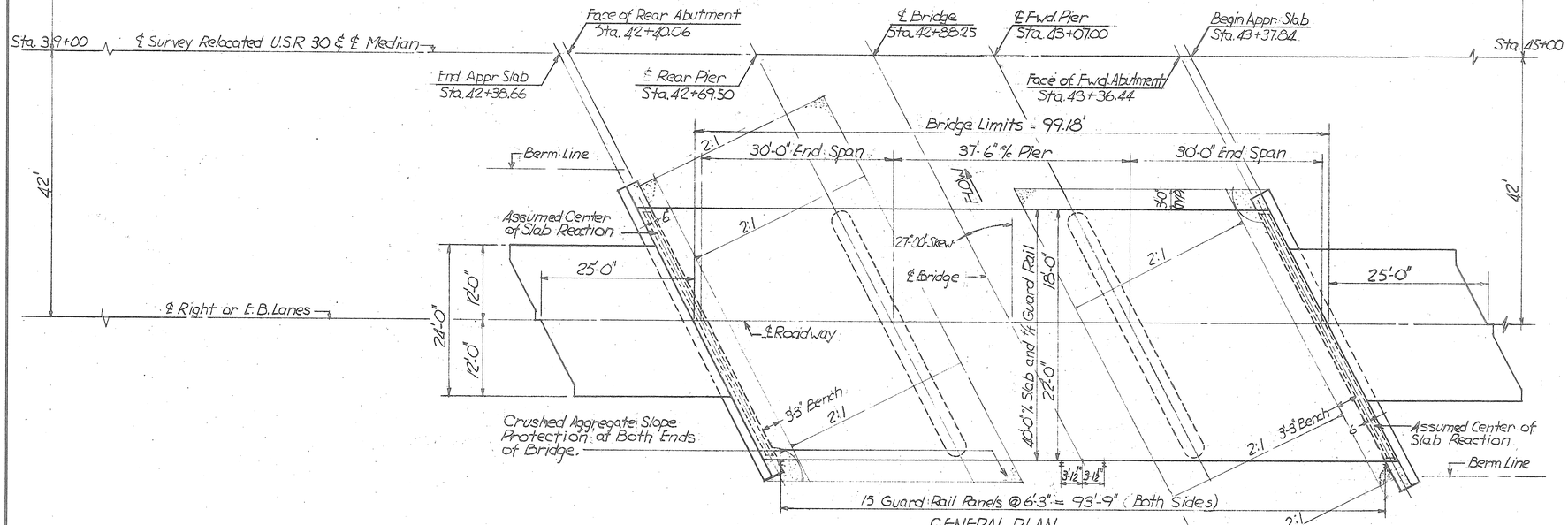
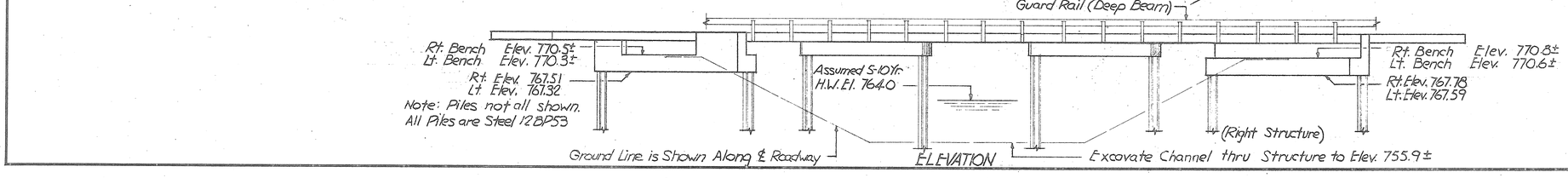
PAULDING & VAN WERT COUNTY
PAU-30-0.00
VAN-30-0.00





GENERAL PLAN



ELEVATION

GENERAL NOTES

REFERENCE shall be made to Standard Drawings A-1-54 revised 11-8-65, P-1-54 revised 11-8-65, and CS-1-65 dated 6-1-65, and to Supplemental Specifications 808 dated 1-13-67, and 825 dated 1-1-67.

DESIGN DATA:

Design Loading - CF 2000 (57).
Concrete Class C - basic unit stress 1,333 p.s.i.
Concrete Class E - basic unit stress 1,133 p.s.i.
Structural Steel - ASTM A36 - basic unit stress 20,000 p.s.i.
Reinforcing Steel - ASTM A15, A16, A160, Deformed, Intermediate or Hard Grade. Basic unit stress 20,000 p.s.i.

REMOVAL OF EXISTING STRUCTURE:
When no longer needed to maintain traffic the existing structure shall be removed. Suitable waste masonry shall be placed as Bank Protection as directed by the Engineer.

PILES shall be driven to a minimum bearing capacity of 29 tons per pile for the abutments and 33 tons per pile for the piers.

DECK SLAB THICKNESS is 1'-4¾" which includes 1" for monolithic wearing surface.

PIER PILE ENCASEMENT as shown on Standard Drawing P-1-54 is not required. The painting of the piles shall extend to low water elevation or, if the proposed surface of the ground is above low water, it shall extend to at least one foot below the proposed surface of the ground.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

2

GENERAL PLAN, ELEVATION AND GENERAL NOTES
BRIDGE NO. VAN-30-0067 L & R
OVER BLUE CREEK - VAN WERT COUNTY
LEFT STA. 42+14.49 RIGHT 42+38.66
43+13.67 43+37.84

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
JEM	JEM		J.D.R.	BFG	10-17-66	

MICROFILMED
JUL 11 1986

PAULDING & VAN WERT COUNTY
PAU-30-0.00
VAN-30-0.00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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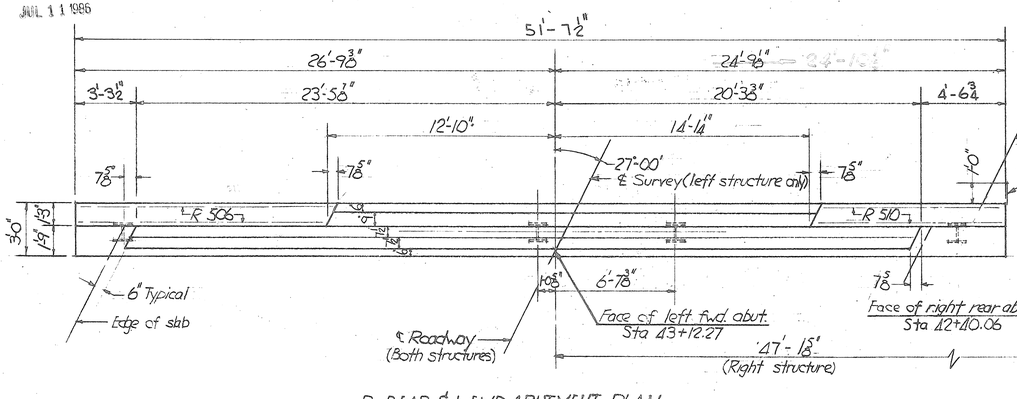
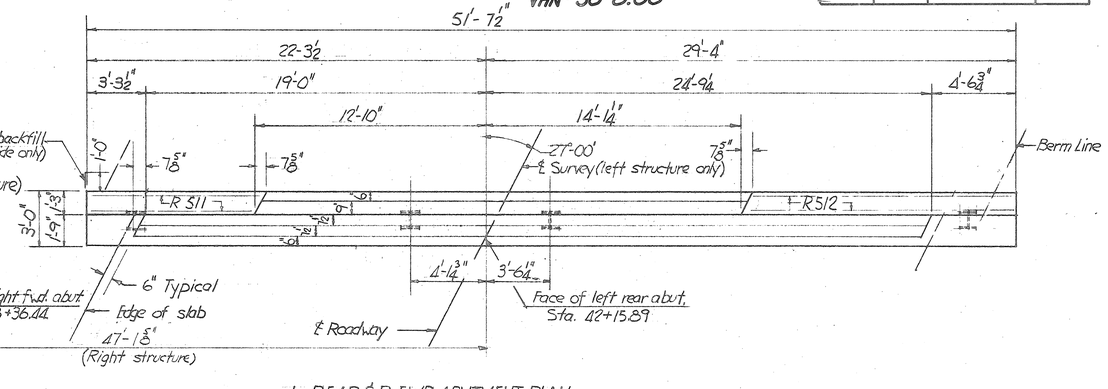
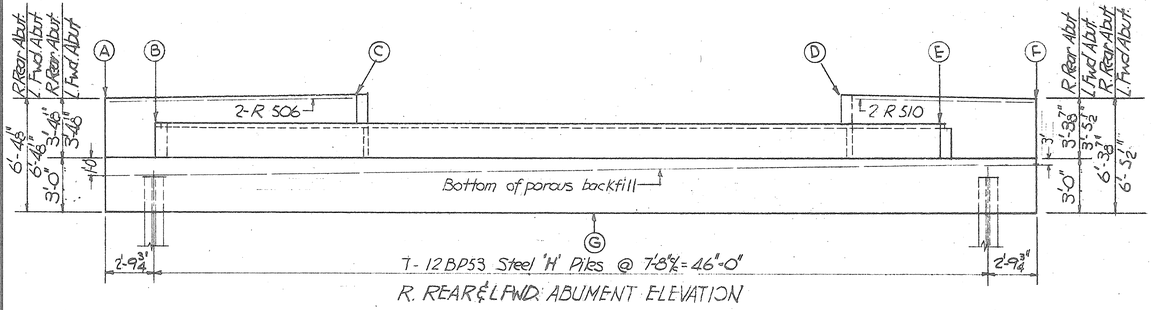


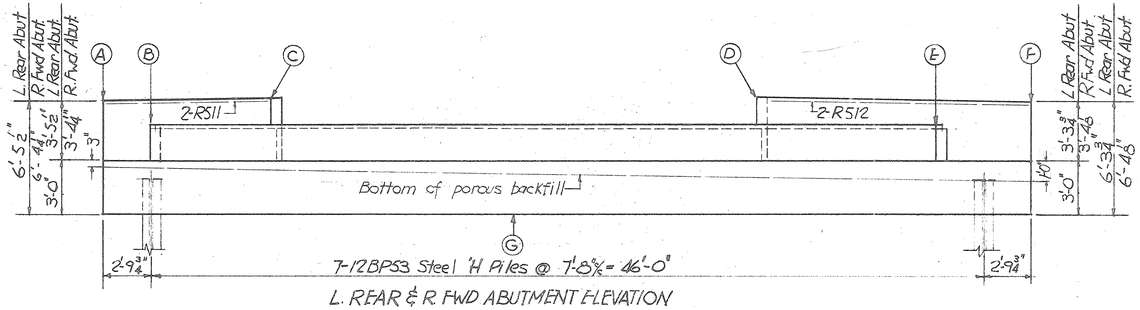
R. REAR & L FWD. ABUTMENT PLAN



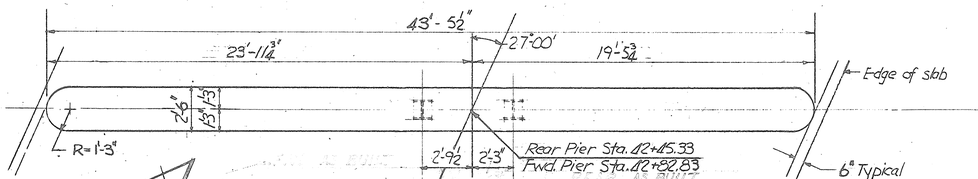
L. REAR & R FWD ABUTMENT PLAN



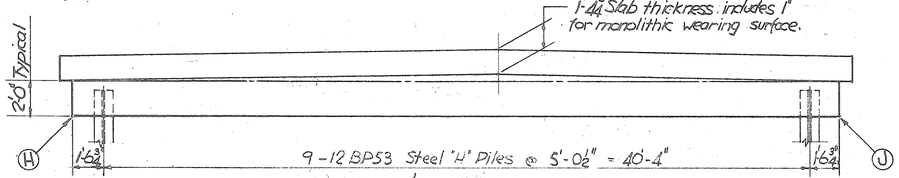
R. REAR & L FWD. ABUMENT ELEVATION



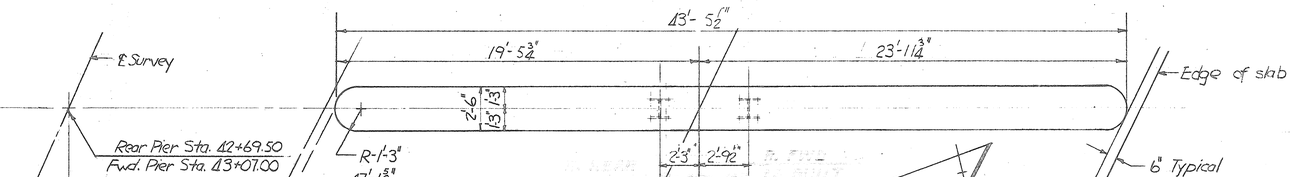
L. REAR & R FWD ABUTMENT ELEVATION



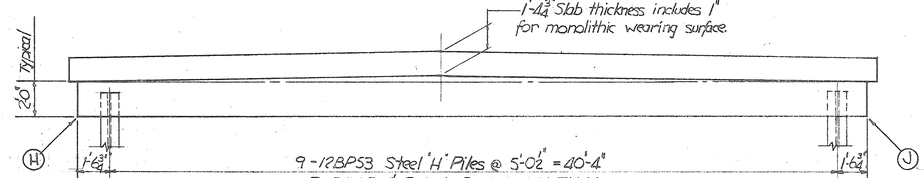
L. REAR & L FWD. PIER PLAN



L. REAR & L FWD. PIER ELEVATION

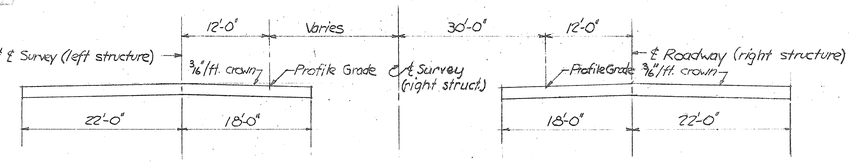


R REAR & R FWD PIER PLAN



R. REAR & R. FWD. PIER ELEVATION

ELEVATIONS				
	Right Structure		Left Structure	
Point	Rear Abut.	Fwd. Abut.	Rear Abut.	Fwd. Abut.
A	773.85	774.13	773.78	773.93
B	772.52	772.79	772.44	772.59
C	774.04	774.28	773.91	774.15
D	774.00	774.31	773.87	774.19
E	772.58	772.78	772.32	772.71
F	773.83	774.12	773.63	774.05
G	767.51	767.78	767.32	767.59
	Rear Pier	Fwd. Pier	Rear Pier	Fwd. Pier
H	770.60	770.71	770.41	770.51
J	770.59	770.70	770.52	770.63



Typical Section Thru Structures (Normal to Structures)

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

3

ABUTMENT & PIER DETAILS
BRIDGE NO. VAN-30-0067 L & R
OVER BLUE CREEK - VAN WERT COUNTY

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
JEM	JEM		J.D.R.	BFG	10-17-66	10-9-67

MICROFILMED
JUL 11 1986

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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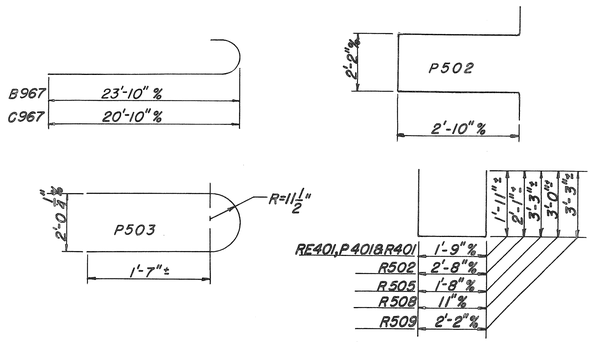
PAULDING & VAN WERT
PAU-30-0.00
VAN-30-0.00

REINFORCING STEEL LIST

Mark	No.	Length	Weight	Shp.
SUPERSTRUCTURE				
A967	246	34'-10"	29,135	S
B967	80	25'-1"	682	B
C967	80	22'-1"	601	B
D967	40	23'-4"	317	S
E967	40	18'-2"	247	S
F1067	144	32'-4"	20,035	S
G1067	72	18'-1"	5602	S
H1067	68	14'-0"	4096	S
J601	72	18'-4"	1983	S
K601	36	10'-2"	550	S
M701	182	44'-4"	16,492	S
N601	126	44'-4"	8390	S
PIERS				
P1001	16	44'-4"	3052	S
P901	16	41'-0"	2230	S
P501	8	41'-0"	342	S
P502	140	9'-0"	1314	B
P503	16	6'-4"	106	B
P401	144	5'-5"	521	B

Bending Diagrams



Mark	No.	Length	Weight	Shp.
ABUTMENTS				
R1001	32	23'-6"	3236	S
R801	32	27'-1"	2314	S
R501	32	26'-6"	884	S
R502	272	6'-7"	1868	B
R503	16	22'-7"	377	S
R504	48	5'-4"	267	S
R505	76	7'-11"	628	B
R 506	4	13'-6"	56	S
R507	32	6'-1"	203	S
R 508	52	6'-8"	362	B
R 509	52	8'-5"	456	B
R 510	4	9'-8"	40	S
R 511	4	9'-2"	38	S
R 512	4	14'-3"	59	S
R 401	112	5'-5"	405	B
REPLACEMENT BARS				
RE1001	2	7'-2"		S
RE901	2	6'-10"		S
RE801	1	6'-6"		S
RE701	1	6'-2"		S
RE601	1	5'-11"		S
RE501	1	5'-7"		S
RE401	1	5'-5"		B

ESTIMATED QUANTITIES

ITEM	TOTAL	UNIT	DESCRIPTION	SUPER.	PIERS	ABUT.	GEN'L.		
202	Lump	Sum	Existing structure removed				Lump		
503	81	Cu. Yd.	Unclassified excavation			81			
505	Lump	Sum	First test pile				Lump		
507	1730	Lin. Ft.	Steel piles, 12 BP53		1080	650			
509	106,888	Lbs.	Reinforcing steel	88,130	7565	11,193			
511	448	Cu. Yds.	Class "C" concrete, superstructure and pier caps	414	34				
511	108	Cu. Yds.	Class "E" concrete, abutments			108			
517	396.72	Lin. Ft.	Railing (deep beam rail with steel posts and bolts)	396.72					
518	30	Cu. Yds.	Porous backfill			30			
601	870	Sq. Yds.	Crushed aggregate slope protection				870		
808	448	Units	Water-reducing, set-retarding admixture	414	34				
825	943	Sq. Yds.	Concrete surface treatment	943					

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

REINFORCING STEEL LIST AND ESTIMATED QUANTITIES

BRIDGE NO. VAN-30-0067 L&R OVER BLUE CREEK

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
JEM	E.P.M.	E.P.M.	J.D.R. 10-11-66	BFG	10-17-66	