

COSHOCTON COUNTY
COMMISSIONERS

CR 621 CONNECTOR
MULTI-USE PATH
TUSCARAWAS TOWNSHIP

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A
11' WIDE BY 1,652' LONG MULTI-USE PATH INCLUDING
EXCAVATION, EMBANKMENT, PAVEMENT, CULVERT EXTENSION,
AND MISC. DRAINAGE.

2019 SPECIFICATIONS

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

APPROVALS

THE SIGNATURES BELOW SIGNIFY ONLY AGREEMENT WITH THE
GENERAL PURPOSES AND INTENT OF THE PROJECT. ALL TECHNICAL
DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING
THE PLANS

Dore R. Shugart 8-14-23
COSHOCTON COUNTY COMMISSIONER DATE

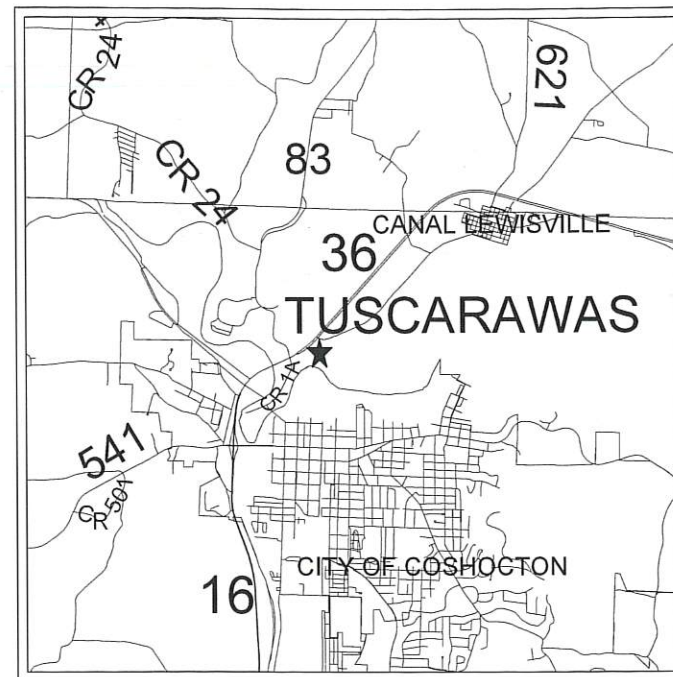
R. L. 8-14-23
COSHOCTON COUNTY COMMISSIONER DATE

Scot R. Berlin 8-14-23
COSHOCTON COUNTY COMMISSIONER DATE

Frederick J. Nachtli 8/14/23
COSHOCTON COUNTY ENGINEER DATE

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LOCATION MAP

LATITUDE: 40° 17' 9" LONGITUDE: -81° 51' 55"

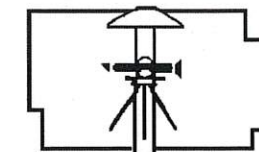
NOT SHOWN TO SCALE



LOCATION TO BE IMPROVED.....★

THE STANDARD CONSTRUCTION DRAWINGS LISTED ON THESE PLANS SHALL BE CONSIDERED A PART THEREOF

ENGINEERS SEAL	STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS
	DM-1.1 7-17-20	800 4-15-22
	DM-4.4 1-15-16	832 10-19-18
	BP-3.1 7-16-04	
SIGNED: <i>Joshua Kempff</i> DATE: 8/14/23		



PLANS PREPARED BY COSHOCTON COUNTY ENGINEER'S OFFICE

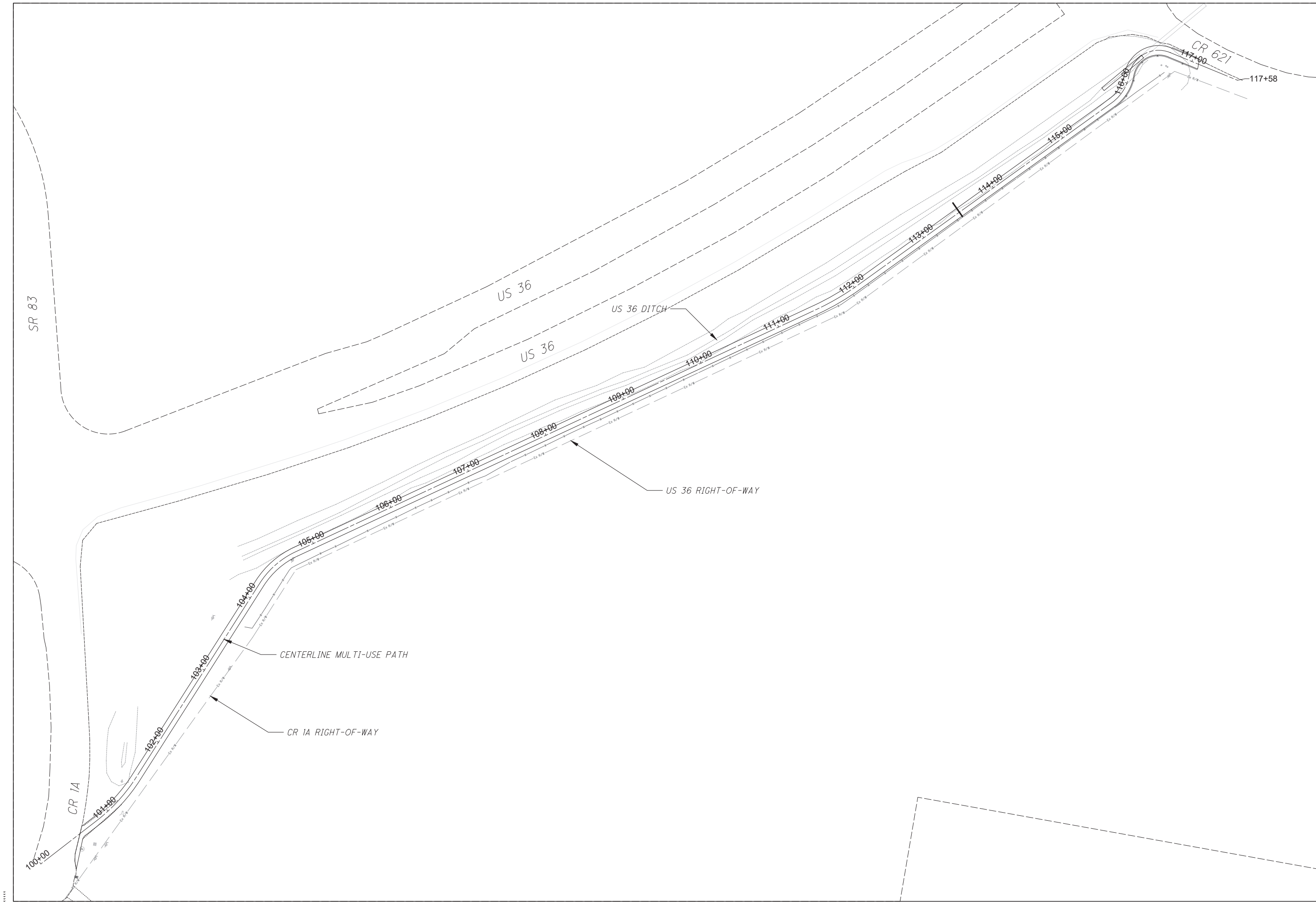
DESIGN AGENCY
COSHOCTON COUNTY ENGINEER'S OFFICE

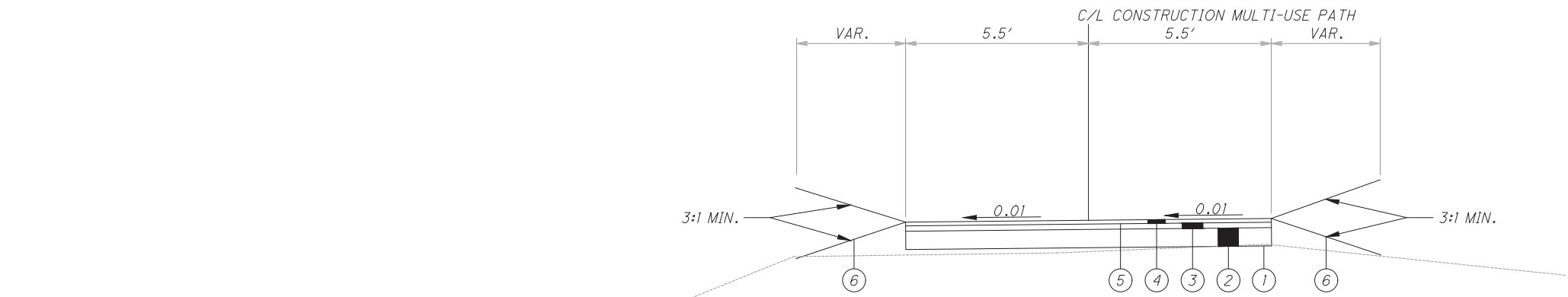
PROJ. NO.

TITLE SHEET
CR 621 CONNECTOR MULTI-USE PATH

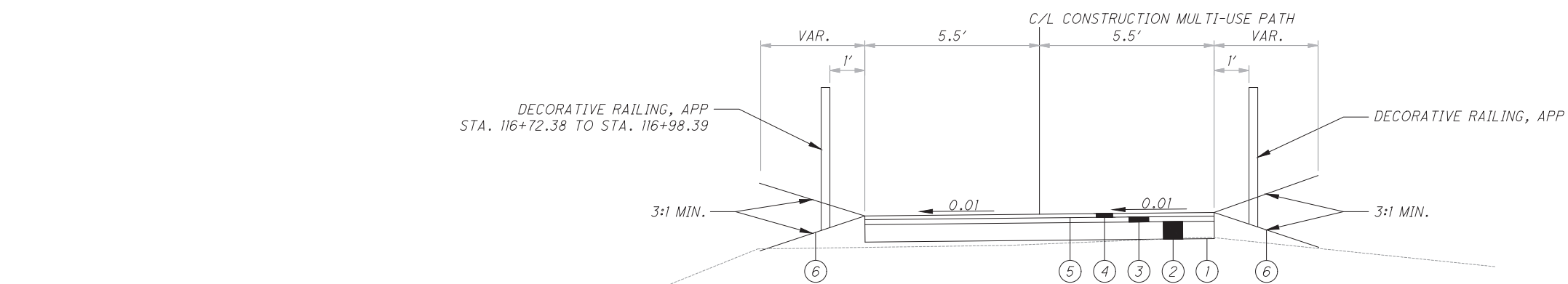
COSHOCTON COUNTY
ENGINEER'S OFFICE

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MULTI-USE PATH TYPICAL SECTION
STA. 100+58.03 TO STA. 115+70.76



MULTI-USE PATH TYPICAL SECTION
STA. 115+70.76 TO STA. 117+09.60

- ① SUBGRADE COMPACTION
- ② 6" AGGREGATE BASE
- ③ 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
- ④ 1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 64-22
- ⑤ TACK COAT, 0.075 GAL/SY
- ⑥ SEEDING AND MULCHING, CLASS 1

SPECIFICATIONS

THE 2019 CONSTRUCTION AND MATERIALS SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, INCLUDING ALL SUPPLEMENTS THERETO, AS WELL AS THE MANUFACTURER’S RECOMMENDATIONS FOR INSTALLATION SHALL GOVERN THE MATERIALS AND WORKMANSHIP TO COMPLETE THE IMPROVEMENTS SET FORTH IN THESE PLANS.

UTILITIES

THE LOCATIONS OF UNDERGROUND UTILITIES HAVE NOT BEEN FIELD LOCATED BY THE ENGINEER AND ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES FROM THEIR RESPECTIVE OWNERS PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL PROVIDE THE ENGINEER ALL OUPS REFERENCE NUMBERS FOR THIS PROJECT.

THE CONTRACTOR IS RESPONSIBLE FOR CALLING THE OHIO UTILITIES PROTECTION SERVICE AT LEAST TWO DAYS BEFORE DIGGING.

ANY AND ALL WORK REQUIRED FOR REMOVING, RELOCATING & CONSTRUCTION OF NEW FACILITIES FOR PRIVATE OR PUBLIC UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THE RESPECTIVE OWNERS UNLESS OTHERWISE NOTED IN THE PLANS. THE CONTRACTOR SHALL COORDINATE THEIR OPERATIONS WITH THE WORK OF UTILITY OWNERS OR OTHERS WHO MAY BE MAKING THE RELOCATIONS IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

WHERE POTENTIAL GRADE CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL UNCOVER SUCH UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT THE EXACT ELEVATION MAY BE DETERMINED AND THE NECESSARY ADJUSTMENTS MADE. COST OF THE ABOVE, IF ANY, WILL BE INCLUDED IN THE PRICE BID FOR THE PERTINENT ITEM.

STANDARD DRAWINGS

REFERENCE SHOULD BE MADE TO THE MOST CURRENT ODOT STANDARD DRAWINGS SHOWN IN THE TABLE ON THE COVER SHEET.

BEST MANAGEMENT PRACTICES

BEST MANAGEMENT PRACTICES (BMP’s) FOR SOIL EROSION AND SEDIMENT CONTROL SPECIFICATIONS SET FORTH IN THE MOST CURRENT VERSION OF ODOT’S “CONSTRUCTION AND MATERIAL SPECIFICATIONS, LOCATION AND DESIGN MANUAL SUPPLEMENTAL, SPECIFICATION 832, AND STANDARD DRAWINGS” SHALL BE USED TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL, ALONG WITH ADDITIONAL PROTECTIVE MEASURES TO AVOID IMPACTS TO ADJACENT PROPERTIES AND WETLANDS FROM CONSTRUCTION ACTIVITIES. EROSION/SEDIMENTATION IMPACTS SHALL BE KEPT TO A MINIMUM THROUGH THE USE OF BMP’s FOR SOIL EROSION AND SEDIMENTATION CONTROL. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED IN THE PLAN SHALL BE IN PLACE PRIOR TO ANY EXCAVATION, GRADING OR FILLING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. THEY SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND THE AREA STABILIZED AS ACCEPTED BY THE ENGINEER. THEY SHALL ALSO COMPLY WITH ODOT’S “HANDBOOK OF SEDIMENT AND EROSION CONTROL.”

REMOVAL OF TEMPORARY EROSION CONTROL ITEMS

ALL TEMPORARY EROSION CONTROL ITEMS SHALL BE REMOVED BEFORE THE PROJECT IS ACCEPTED. REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH THE APPROPRIATE C&MS SPECIFICATIONS

RIGHT OF WAY (ROW)

ALL NECESSARY CONSTRUCTION WILL BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY FOR THIS PROJECT.

INCLUSIVE BID

THE CONTRACTOR’S BID SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT. COMPENSATION FOR ANY WORK WHICH DOES NOT HAVE A SPECIFIC PAY ITEM WILL BE INCLUDED IN THE PRICE BID FOR THE INDIVIDUAL ITEMS.

SANITARY FACILITIES

THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR WORKERS AND INSPECTORS FOR THE DURATION OF THE WORK.

CONSTRUCTION STAGING AREA

IT IS THE CONTRACTOR’S RESPONSIBILITY TO LOCATE AND MAINTAIN SAFE AND SECURED SITES FOR MATERIAL. IT IS THE CONTRACTOR’S RESPONSIBILITY FOR ALL MATERIAL AT THE SITE, IF STOLEN OR VANDALIZED, IT SHALL BE REPLACED AT THE CONTRACTOR’S EXPENSE.

DEBRIS AND EXCESS MATERIAL

IT IS THE CONTRACTOR’S RESPONSIBILITY TO HAUL AWAY AND DISPOSE OF ALL CONSTRUCTION MATERIAL, EXCESS MATERIAL, DEBRIS, ETC. ALL MATERIAL DISPOSED PER ORC, ODOT, AND EPA.

SAFETY

THE CONTRACTOR SHALL SOLELY BE RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS INCLUDING EMPLOYEES AND PROPERTY. IT IS ALSO THE CONTRACTOR’S RESPONSIBILITY TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SECURING THE PROJECT SITE FROM THE GENERAL PUBLIC BOTH DURING AND AFTER WORKING HOURS. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL LIGHTS, SIGNS, FENCES, OR ANY OTHER SAFETY DEVICE TO PREVENT UNAUTHORIZED PERSONNEL FROM HAZARDOUS OR DANGEROUS CONDITIONS ON THE PROJECT SITE. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS BID FOR FURNISHING AND INSTALLING MATERIALS ON THIS PROJECT.

WEATHER CONDITIONS

ALL CONSTRUCTION AND MATERIAL USAGE SHALL BE IN ACCORDANCE WITH CLIMATIC CONDITIONS ADDRESSED IN 2019 OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.

WORK LIMITS

THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT OR THE EXISTING RIGHTS-OF-WAY, CONSTRUCTION AND/OR PERMANENT EASEMENTS AND SHALL NOT TRESPASS UPON OTHER PRIVATE PROPERTY WITHOUT THE WRITTEN CONSENT OF THE OWNER.

ALL ADJOINING PROPERTIES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE RESTORED TO THE SAME OR BETTER CONDITION. THIS INCLUDES GRADING, SEEDING, AND REMOVAL OF EXCESS MATERIAL.

FINAL CLEAN-UP

THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS OPERATIONS AND RESTORE ALL SURFACES, STRUCTURES, DITCHES, AND PROPERTY TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE COUNTY

PERMITS

THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND GOVERNMENT FEES, LICENSES, AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE IMPROVEMENTS SHOWN ON THE PLANS.

RAILING, MISC.: DECORATIVE RAILING, AS PER PLAN (ALT 1.)

THE CONTRACTOR SHALL INSTALL DECORATIVE RAILING PER STANDARD CONSTRUCTION DRAWING RD-01. CARE SHALL BE TAKEN AS TO NOT DAMAGE RAILING PRIOR TO OR DURING INSTALLATION

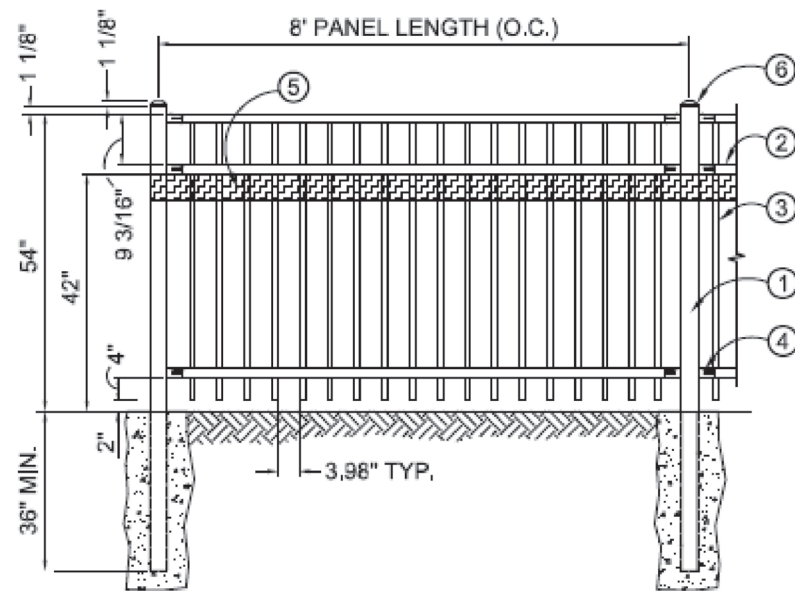
CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

THE COSHOCTON COUNTY ENGINEER’S OFFICE SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND SURVEYING

ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION
201	11000	LS		CLEARING AND GRUBBING
203	10000	404	CY	EXCAVATION
203	20000	625	CY	EMBANKMENT
204	10000	2,033	SY	SUBGRADE COMPACTION
304	20000	339	CY	AGGREGATE BASE
441	50000	71	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
441	50300	99	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
407	10000	153	GAL	TACK COAT
611	19200	60	FT	42" CONDUIT, TYPE A, 706.02
611	01200	40	FT	6" CONDUIT, TYPE D, 707.62
624	10000	LS		MOBILIZATION
659	00500	1,396	SY	SEEDING AND MULCHING, CLASS 1
832	30000	LS		EROSION CONTROL
517	76300	158	FT	RAILING, MISC.: DECORATIVE RAILING, AS PER PLAN

HORIZONTAL AND VERTICAL CONTROL							
REF.	STATION	OFFSET	SIDE	NORTHING	EASTING	ELEV.	DESCRIPTION
CP-1	-----	-----	-----	226690.315	2147006.194	750.51	3/4" REBAR CAPPED "COSHOCTON CNTY ENGINEER"
CP-2	103+89.87	20.781	LT	225803.564	2145097.837	745.65	3/4" REBAR CAPPED "COSHOCTON CNTY ENGINEER"
CP-3	117+15.47	10.276	RT	226600.489	2146109.271	752.45	3/4" REBAR CAPPED "COSHOCTON CNTY ENGINEER"

BASIS OF BEARING:
TRUE NORTH, BASED ON OBSERVATIONS, OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83.

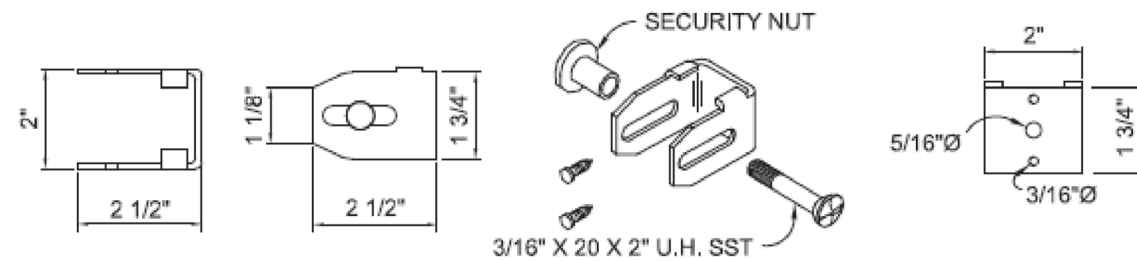


CODED NOTES

- ① 3" x 3" x 12 GA. POST
- ② 1 3/4"x 1 3/4" x 14 GA. FORERUNNER RAIL
- ③ 1" x 1" x 14 GA. PICKET
- ④ BB301 BRACKET
- ⑤ RUB RAIL - 1"x6" ASC TREATED LUMBER SANDED SMOOTH
- ⑥ STANDARD FLAT CAP SECURED TO POST WITH SCREWS

NOTES:

1. FENCE SHALL BE MODEL AEGIS II, MAJESTIC STYLE, 3-RAIL, 8' PANEL LENGTH, AS MANUFACTURED BY AMERISTAR, TULSA OK, OR EQUAL. PER APPROVAL BY PROJECT ENGINEER
2. FINISH PAINT SHALL BE BLACK, THIS INCLUDES ALL POST, PICKETS, RAILS, CAPS, BRACKETS, SCREWS, BOLTS, ETC.
3. FACE OF RAILING SHALL BE 2' MINIMUM OFF EDGE OF BIKE PATH / SIDE WALK UNLESS OTHERWISE SHOWN ON PLANS.
4. TOP AND BOTTOM RAILS SHALL BE PARALLEL TO THE GROUND AND VERTICAL PICKETS AND POSTS FINISHED PLUM.

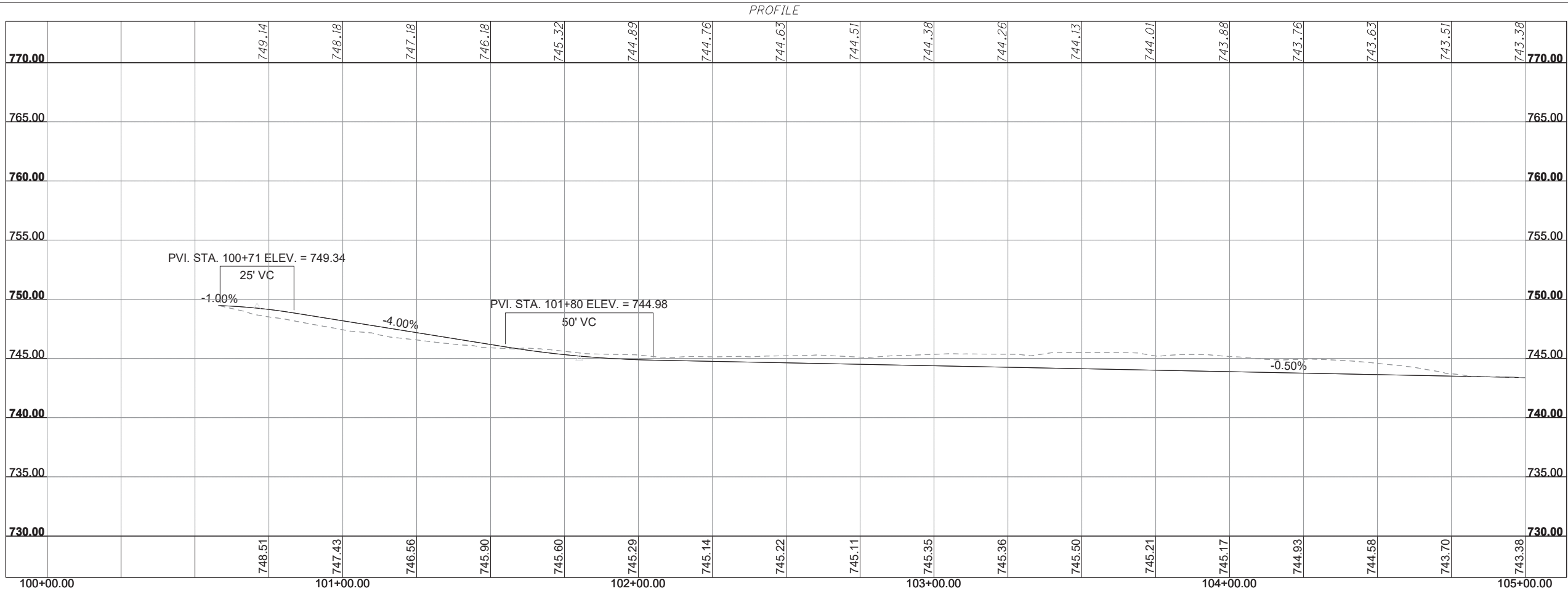
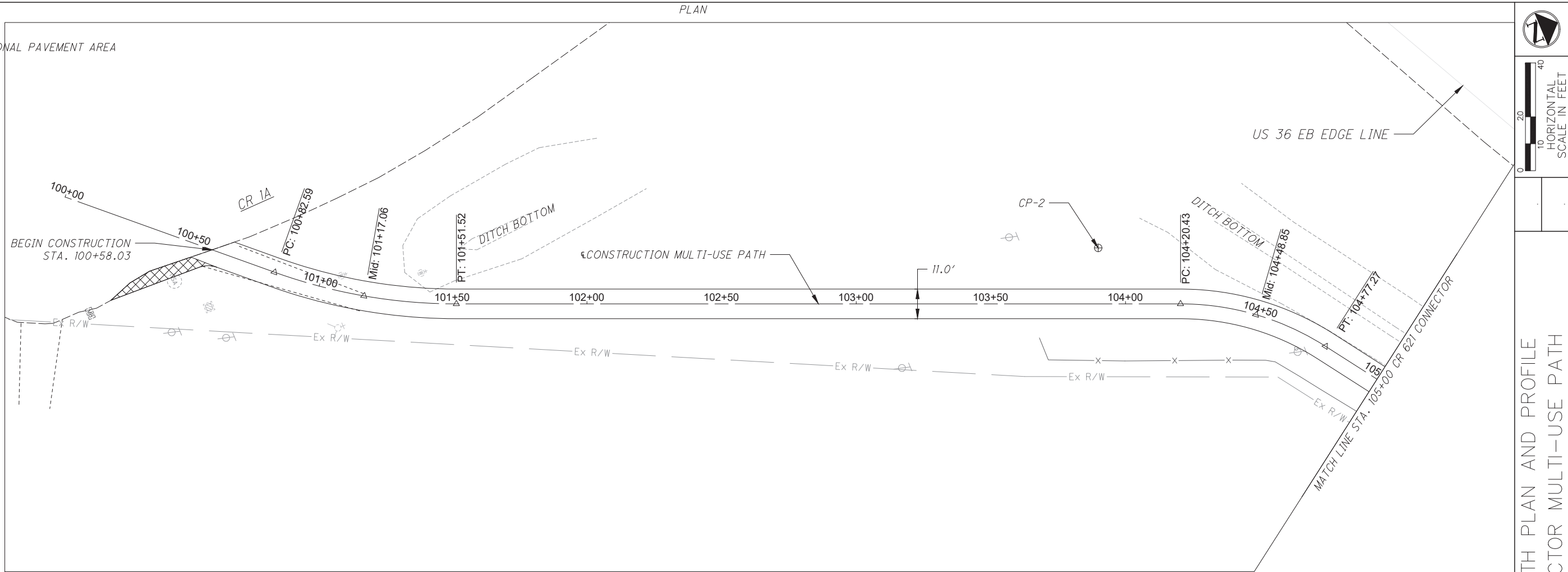


INDUSTRIAL FLAT MOUNTING BRACKET (BB301)

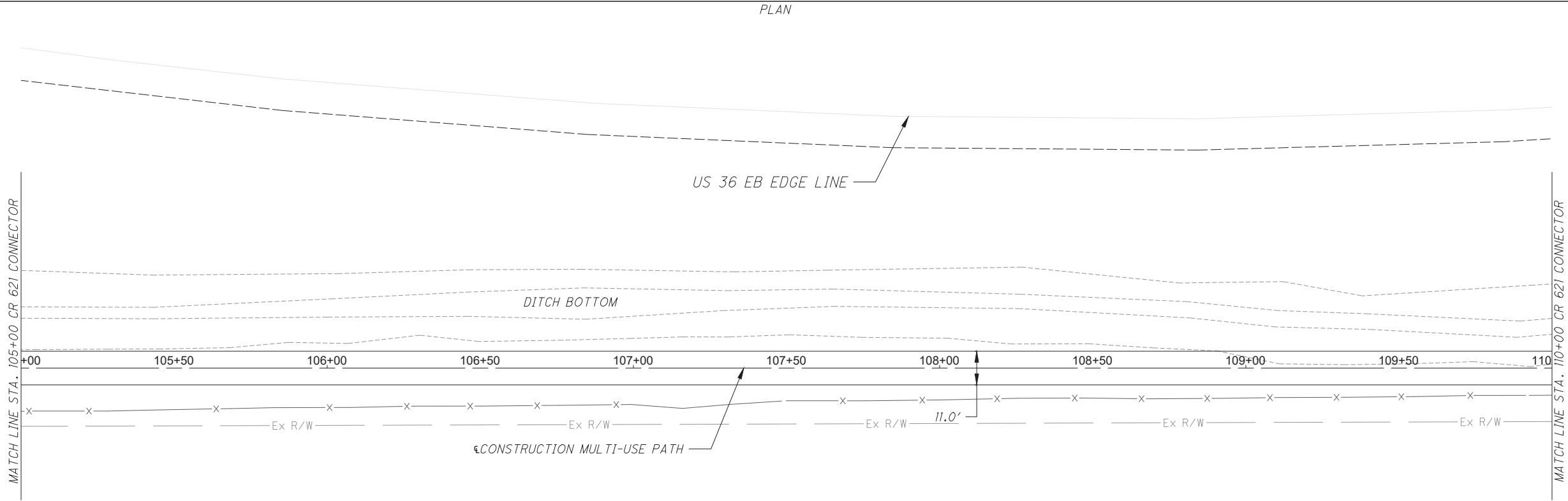
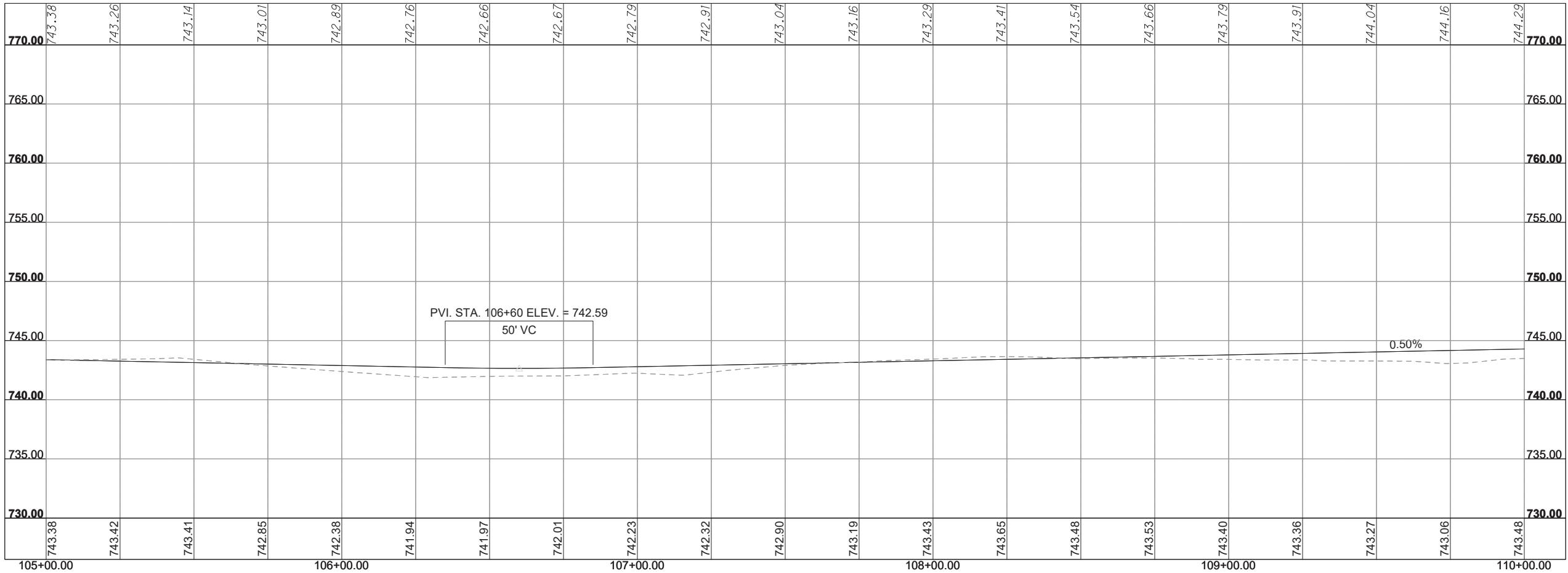
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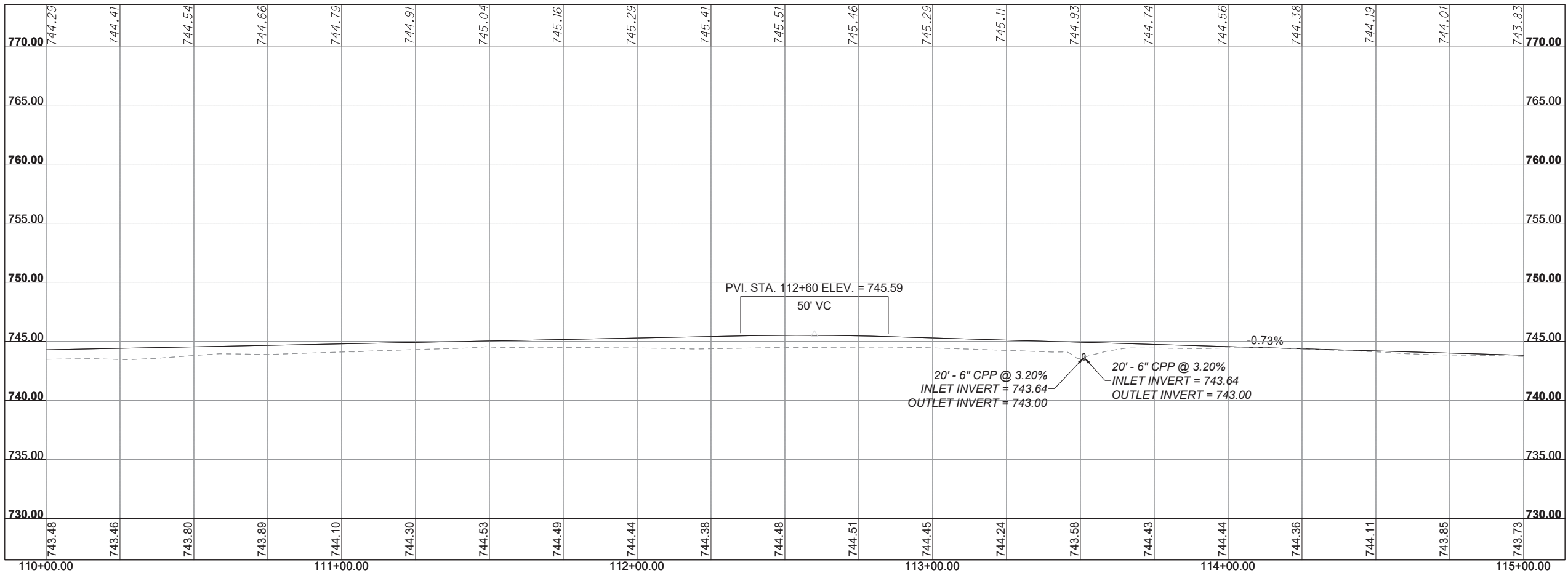
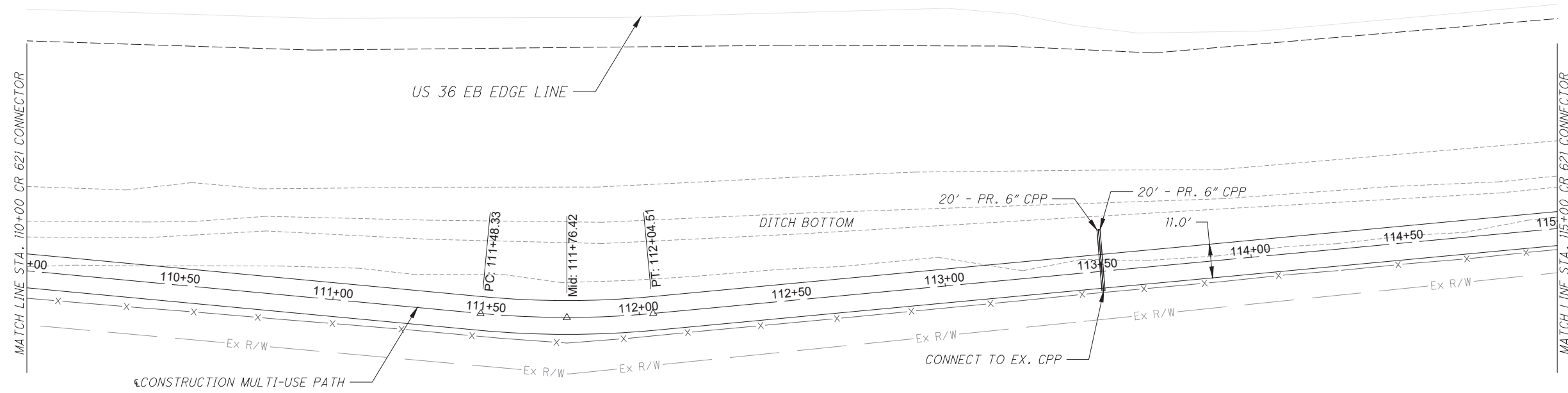
STANDARD CONSTRUCTION DRAWING
RD-01

 - ADDITIONAL PAVEMENT AREA



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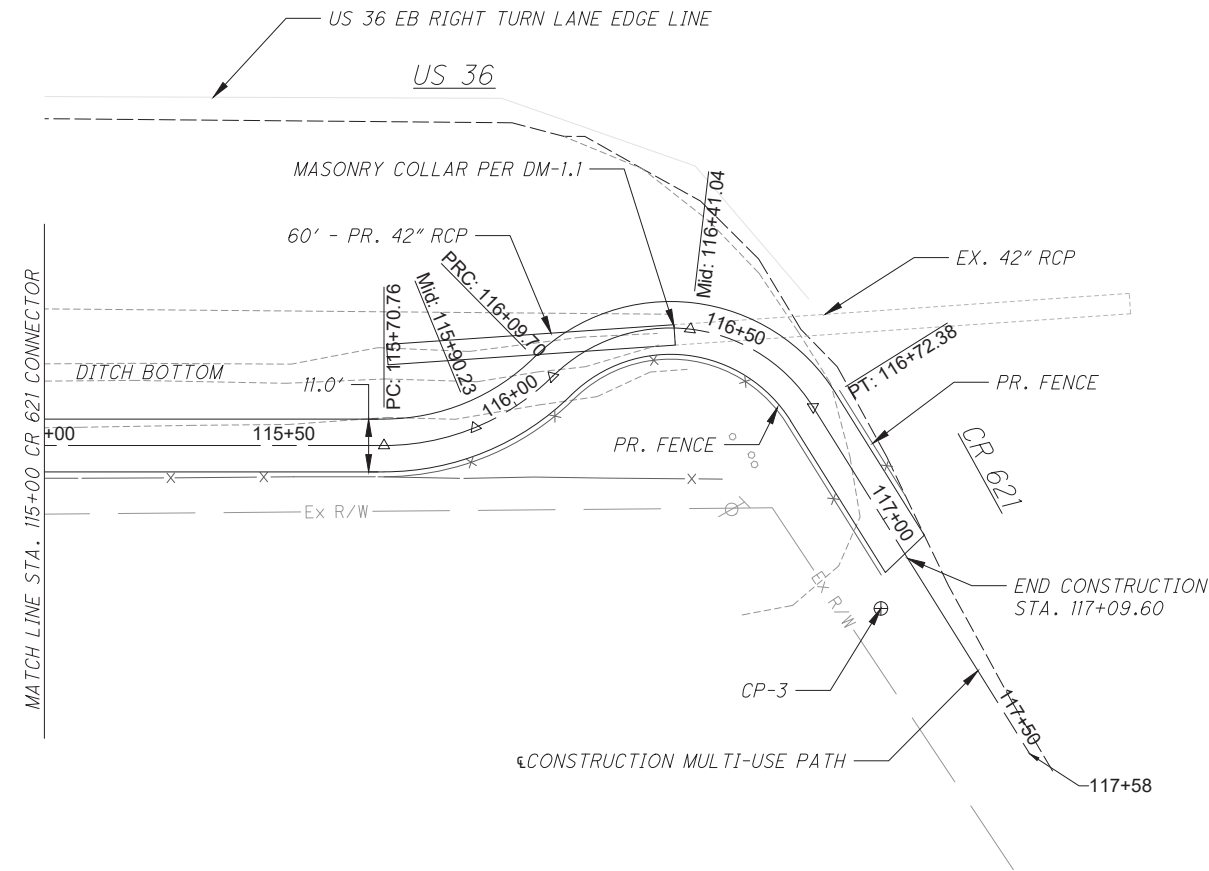




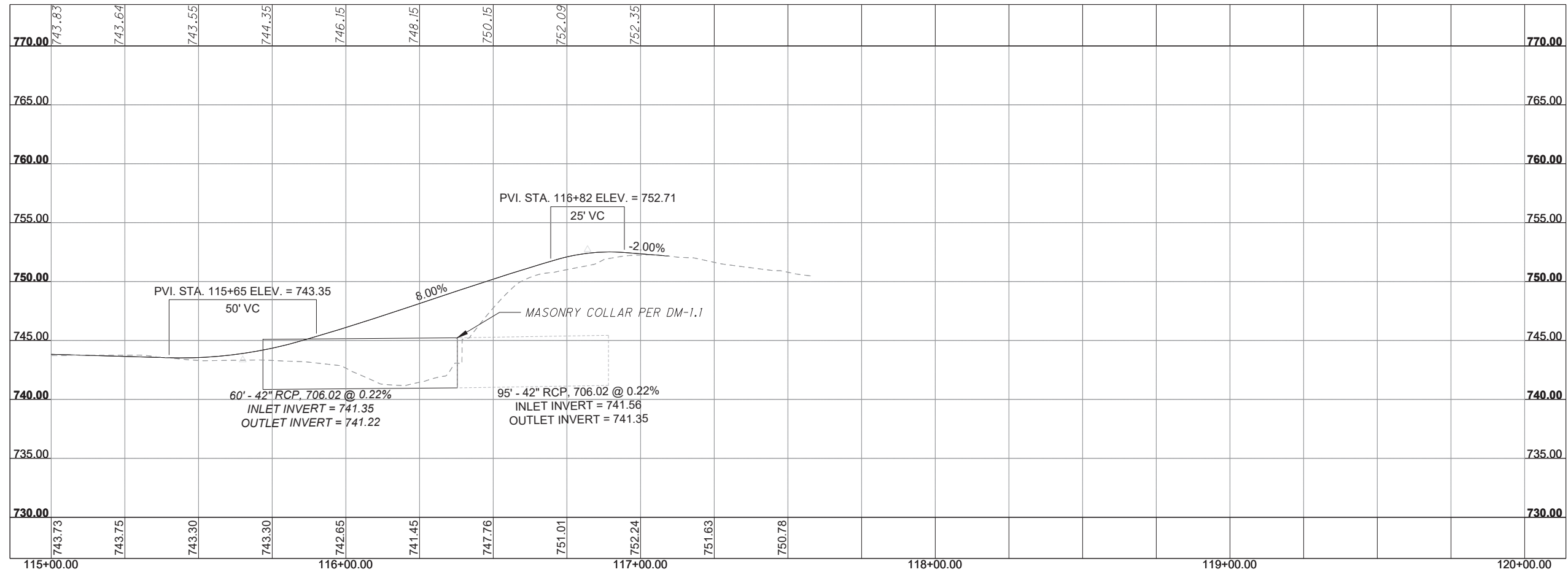
HORIZONTAL SCALE IN FEET

MULTI-USE PATH PLAN AND PROFILE
CR 621 CONNECTOR MULTI-USE PATH

COSHOCTON COUNTY
ENGINEER'S OFFICE



PROFILE



[illegible]

[illegible]

SEEDING	
END WIDTH	SQ. YDS.
745	745
740	740
735	735
750	750
745	745
740	740
735	735
750	750
745	745
740	740
735	735
745	745
740	740
735	735
60	60
50	50
40	40
30	30
20	20
10	10
0	0
10	10
20	20
30	30
40	40
50	50
60	60
CUT	FILL
VOLUME	CUT FILL
2	0
11	0
9	0
12	0
32	0
MULTI-USE PATH CROSS SECTIONS CR 621 CONNECTOR MULTI-USE PATH	
COSHOCTON COUNTY ENGINEER'S OFFICE	
(12 / 32)	

[illegible]

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SEEDING														END		AREA		VOLUME			
END WIDTH	SQ. YDS.													CUT	FILL	CUT	FILL				
		745													745	1	0	8	0		
		740													740						
		735													735						
		750	743.54 108+50.00 743.48												750						
		745													745						
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		60													60						

MULTI-USE PATH CROSS SECTIONS
CR 621 CONNECTOR MULTI-USE PATH

COSHOCTON COUNTY
ENGINEER'S OFFICE

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32

SEEDING		END		SO.		END		AREA		VOLUME			
END		CUT		FILL		CUT		FILL		CUT		FILL	
WIDTH		0		1		3		6		4		17	
YDS.		0		1		3		6		4		17	
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SEEDING																		END AREA		VOLUME					
END WIDTH	SO. YDS.																	CUT	FILL	CUT	FILL				
		745																	745	0	1	1	15		
		740																	740						
		735																	735						
		750	744.74 113+75.00 744.43																750						
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		745																	745	0	2	0	17		
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		750	744.93 113+50.00 743.58																750						
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