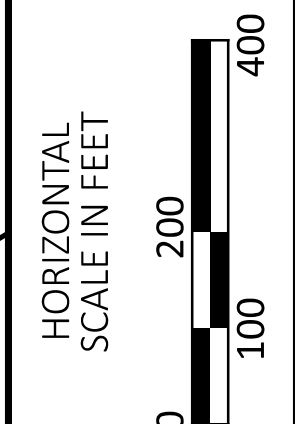
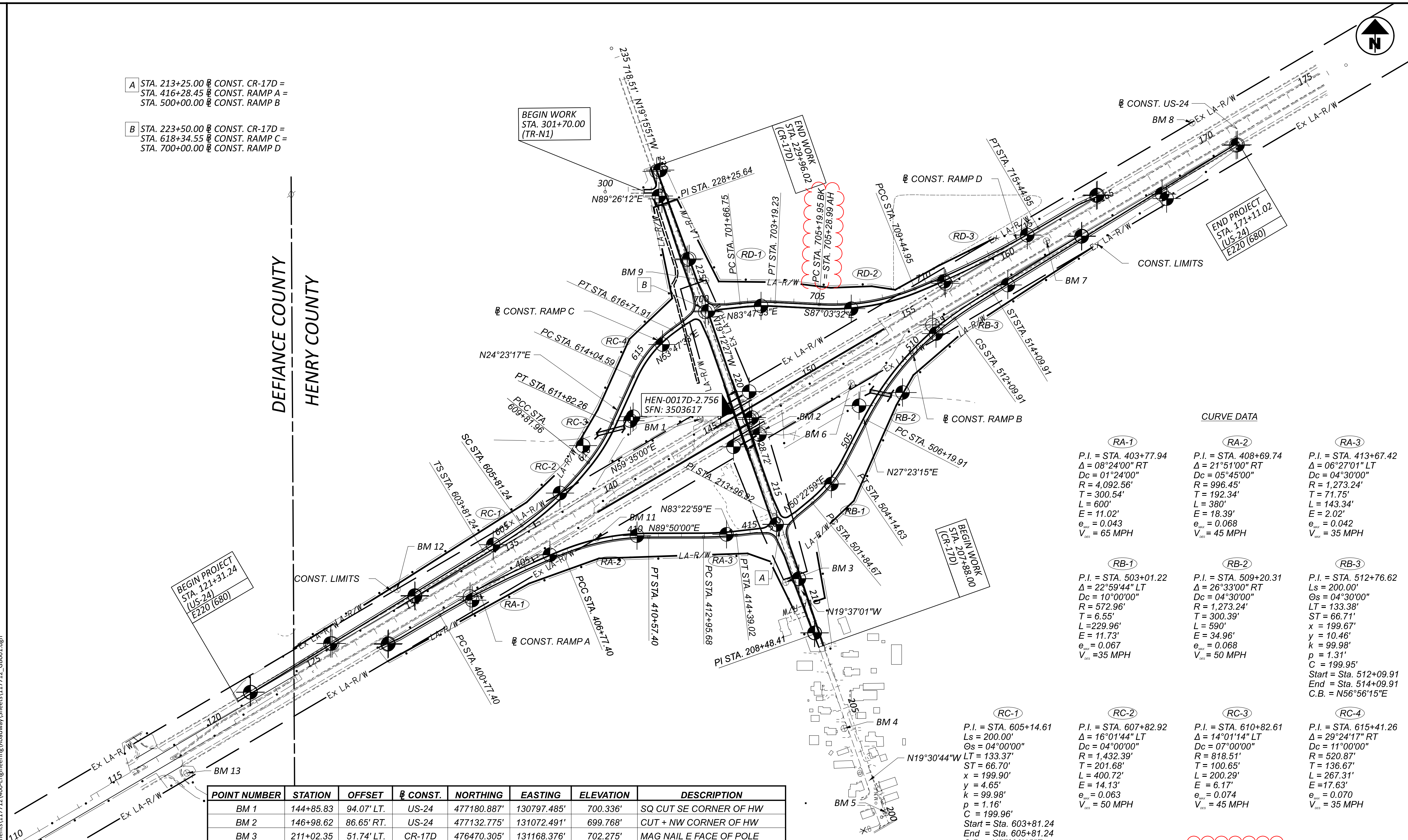


**A** STA. 213+25.00 @ CONST. CR-17D =  
 STA. 416+28.45 @ CONST. RAMP A =  
 STA. 500+00.00 @ CONST. RAMP B

**B** STA. 223+50.00 @ CONST. CR-17D =  
 STA. 618+34.55 @ CONST. RAMP C =  
 STA. 700+00.00 @ CONST. RAMP D



DEFIANCE COUNTY  
 HENRY COUNTY



**CURVE DATA**

Curve ID	P.I.	Δ	Dc	R	T	L	E	e <sub>max</sub>	V <sub>85</sub>
RA-1	STA. 403+77.94	08°24'00" RT	01°24'00"	4,092.56'	300.54'	600'	11.02'	0.043	65 MPH
RA-2	STA. 408+69.74	21°51'00" RT	05°45'00"	996.45'	192.34'	380'	18.39'	0.068	45 MPH
RA-3	STA. 413+67.42	06°27'01" LT	04°30'00"	1,273.24'	71.75'	143.34'	2.02'	0.042	35 MPH
RB-1	STA. 503+01.22	22°59'44" LT	10°00'00"	572.96'	6.55'	229.96'	11.73'	0.067	35 MPH
RB-2	STA. 509+20.31	26°33'00" RT	04°30'00"	1,273.24'	66.71'	590'	34.96'	0.068	50 MPH
RB-3	STA. 512+76.62	00°00'00" LT	04°30'00"	1,273.24'	133.38'	300.39'	10.46'	0.068	35 MPH
RC-1	STA. 605+14.61	04°00'00" LT	04°00'00"	1,432.39'	201.68'	400.72'	14.13'	0.063	50 MPH
RC-2	STA. 607+82.92	16°01'44" LT	07°00'00"	818.51'	100.65'	200.29'	6.17'	0.074	45 MPH
RC-3	STA. 610+82.61	14°01'14" LT	07°00'00"	818.51'	100.65'	200.29'	6.17'	0.074	45 MPH
RC-4	STA. 615+41.26	29°24'17" RT	11°00'00"	520.87'	126.67'	267.31'	17.63'	0.070	35 MPH
RD-1	STA. 702+43.15	09°08'54" RT	01°24'00"	954.93'	76.4'	152.47'	3.05'	0.051	35 MPH
RD-2	STA. 707+40.31	24°57'28" LT	06°00'00"	954.93'	76.4'	152.47'	3.05'	0.051	35 MPH
RD-3	STA. 712+45.49	08°24'00" LT	01°24'00"	4,092.56'	300.54'	600'	11.02'	0.043	65 MPH

POINT NUMBER	STATION	OFFSET	@ CONST.	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM 1	144+85.83	94.07' LT.	US-24	477180.887'	130797.485'	700.336'	SQ CUT SE CORNER OF HW
BM 2	146+98.62	86.65' RT.	US-24	477132.775'	131072.491'	699.768'	CUT + NW CORNER OF HW
BM 3	211+02.35	51.74' LT.	CR-17D	476470.305'	131168.376'	702.275'	MAG NAIL E FACE OF POLE
BM 4	204+18.00	24.60' LT.	CR-17D	475834.565'	131422.940'	702.186'	MAG NAIL E FACE OF POLE
BM 5	200+12.49	25.80' RT.	CR-17D	475469.179'	131605.893'	703.547'	MAG NAIL W FACE OF POLE
BM 6	151+30.02	104.71' RT.	US-24	477335.610'	131453.652'	695.088'	CUT + ON CONC PIPE
BM 7	161+75.60	0.89' RT.	US-24	477954.505'	132302.765'	698.910'	CUT + ON CB
BM 8	169+81.07	122.64' LT.	US-24	478468.828'	132934.833'	699.077'	MAG IN S FACE OF FENCE POST
BM 9	224+55.57	53.91' RT.	CR-17D	477782.603'	130820.841'	701.727'	MAG IN W FACE OF FENCE POST
BM 11	408+33.77	23.00' LT.	RAMP A	476663.182'	130346.030'	702.979'	MAG IN N FACE OF FENCE POST
BM 12	129+73.12	121.74' LT.	US-24	476438.887'	129478.965'	704.359'	MAG IN S FACE OF FENCE POST
BM 13	117+80.87	104.18' RT.	US-24	475640.437'	128565.193'	703.011'	CUT + ON E END OF CONC PIPE

**SCHEMATIC PLAN  
 US-24**

UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

GAS
ANR PIPELINE
6357 SR 66
DEFIANCE, OH 43512
419.783.3135

TELECOMMUNICATIONS
BRIGHTSPEED COMMUNICATIONS
1120 SOUTH TRYON STREET
SUITE 700
CHARLOTTE, NC 28203

TELECOMMUNICATIONS
FARMERS MUTUAL TELEPHONE
N012 CR 17D
NAPOLEON, OH 43545
419.758.3322

SEWER & WATER
NORTHWESTERN WATER & SEWER
PO BOX 348
BOWLING GREEN, OH 43402
419.354.9090

GAS
OHIO GAS COMPANY
PO BOX 528
BRYAN, OH 43506
800.331.7396

ELECTRIC
TOLEDO EDISON
6099 ANGOLA ROAD
HOLLAND, OH 43528
419.249.5218

EXISTING PLANS

EXISTING PLANS ENTITLED DEF/HEN-24-12.03/0.00 MAY BE INSPECTED IN THE ODOT DISTRICT 2 OFFICE IN BOWLING GREEN, OH.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 3 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT REAL TIME NETWORK (2011) & DIFFERENTIAL LEVELING

MONUMENT TYPE: 3/4" IRON PINS & CAPS SET (TYPE B)

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011) EPOCH 2010.00
ELLIPSOID: GRS80
MAP PROJECTION: TRANSVERSE MERCATOR
COORDINATE SYSTEM: HENRY COUNTY
COMBINED SCALE FACTOR: 1.000027
ORIGIN OF COORDINATE SYSTEM:
CENTRAL LATITUDE: N 40d03'00"
FALSE NORTHING: 0 METERS
FALSE EASTING: 50,000 METERS

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

FENCE LENGTHS

THE LENGTHS OF FENCE AND FENCE REMOVED SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607 AND ITEM 202 RESPECTIVELY.

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- 1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).

IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.
3. COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.
4. APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.

PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.
5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.
7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

ITEM 202 - FENCE REMOVED

PAYMENT FOR ALL LABOR AND MATERIALS ASSOCIATED WITH REMOVAL AND DISPOSAL OF ALL EXISTING CORNER, INTERMEDIATE, AND END ANCHOR POST ASSEMBLIES, STREAM CROSSINGS, AND SUBSURFACE CONCRETE EASEMENTS FOR FENCE POSTS SHOWN WITHIN LIMITS OF FENCE REMOVAL IN THE FENCE PLANS TO BE INCLUDED IN BID PRICE FOR ITEM 202 - FENCE REMOVED

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ITEM 607 - FENCE, TYPE 47

PAYMENT FOR ALL MATERIALS AND LABOR ASSOCIATED WITH INSTALLING CORNER, INTERMEDIATE, AND END ANCHOR POST ASSEMBLIES AND STREAM CROSSINGS PER ODOT SCD F-3.4 AS APPROVED BY THE ENGINEER TO BE INCLUDED IN BID PRICE FOR ITEM 607 - FENCE, TYPE 47.

ITEM 609 - REMOVAL MISC. : METAL POLE

CONTRACTOR TO FOLLOW REQUIREMENTS LAID OUT IN ODOT CSM 202. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL COMPONENTS OF THE METAL POLES QUANTIFIED IN THE PLANS, AS DIRECTED BY THE ENGINEER.

PAYMENT FOR THIS ITEM INCLUDES ALL LABOR, MATERIALS. AND EQUIPMENT ABOVE FOR REMOVAL AND DISPOSAL.

ITEM 659 - SEEDING AND MULCHING, AS PER PLAN

IN ADDITION TO THE REQUIRMENTS OF 659, THE CONTRACTOR SHALL NOT PERFORM ANY FINAL SEEDING AND MULCHING IF SUBSTANTIAL RAIN IS FORECASTED WITHIN 48 HOURS UNLESS OTHERWISE APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL NOT PERFORM SEEDING AND MULCHING WITHOUT WRITTEN APPROVAL IDENTIFYING THE AREAS APPROVED FOR SEEDING BY STATION RANGE OR BY PROPERTY ADDRESS.

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

Table with 4 columns: ITEM, QUANTITY, UNIT, and DESCRIPTION. Includes items like SOIL ANALYSIS TEST, TOPSOIL, COMMERCIAL FERTILIZER, LIME, REPAIR SEEDING AND MULCHING, INTER-SEEDING, WATER, and MOWING.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

SEE THIS SHEET FOR EARTHWORK SUBSUMMARY.

ITEM SPECIAL - MAILBOX REMOVED AND RESET

CONTRACTOR TO REMOVE AND RESET ALL MAILBOXES QUANTIFIED IN THE PLANS FOLLOWING THE REQUIREMENTS OF ODOT CMS 202. CONTRACTOR SHALL STORE MAILBOXES TEMPORARILY DURING CONSTRUCTION.

PAYMENT FOR THIS ITEM INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NEEDED FOR REMOVAL, STORAGE, AND RESETTING OF THE MAILBOXES. ANY DAMAGE TO EXISTING MAILBOXES DURING REMOVAL, STORAGE, OR INSTALLATION SHALL BE PAID FOR BY THE CONTRACTOR.

EARTHWORK SUBSUMMARY

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

Summary table with 4 columns: ITEM, QUANTITY, UNIT, and DESCRIPTION. Includes rows for BANNER SCHOOL RD (NORTH/SOUTH), US-24, CR-17D, RAMP A, RAMP B, RAMP C, RAMP D, DETENTION BASIN, and TOTALS CARRIED TO GENERAL SUMMARY.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. (PREVIOUS CONSTRUCTION PLANS, PROJECT NO. 19047, SHOWING THE ORIGINAL ALIGNMENT AND PROFILE, ARE AVAILABLE FOR INSPECTION AT THE ODOT DISTRICT 2 OFFICE). PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

CONTRACTION AND/OR EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION AND EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. IN ALL CASES, THE PROVISION OF EXPANSION JOINTS AT ALL MAJOR STRUCTURES INCLUDING THE MAXIMUM SPACING BETWEEN CONTRACTION JOINTS IS IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2 AND THE SPECIFICATIONS.

CONTRACTION JOINTS IN CONCRETE PAVEMENT OR BASE WIDENING

WHERE NEW CONCRETE IS PLACED ADJACENT TO AND TIED TO EXISTING CONCRETE, THE CONTRACTION JOINT SPACING REQUIRED IN STANDARD CONSTRUCTION DRAWING BP-2.2 WILL BE WAIVED. CONSTRUCT CONTRACTION JOINTS IN THE NEW CONCRETE PAVEMENT TO FORM A CONTINUOUS LINE WITH ALL CONTRACTION JOINTS IN THE EXISTING CONCRETE PAVEMENT. INSTALL EXPANSION JOINTS IN THE NEW CONCRETE PAVEMENT TO FORM A CONTINUOUS LINE WITH ALL EXPANSION JOINTS IN THE EXISTING CONCRETE PAVEMENT.

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS- SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

FARM DRAINS

PROVIDE UNOBSTRUCTED OUTLETS TO ALL FARM DRAINS ENCOUNTERED DURING CONSTRUCTION. REPLACE EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY WITHIN THE RIGHT OF WAY LIMITS WITH ITEM 611, CONDUIT, TYPE E, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

OUTLET EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES INTO THE ROADWAY DITCH USING ITEM 611, TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION IS ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. INTERCEPT LATERAL FIELD TILES WHICH CROSS THE ROADWAY WITH ITEM 611, TYPE E CONDUIT, AND CARRY IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING.

THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS IS DETERMINED BY THE ENGINEER AND PAYMENT MADE ON FINAL MEASUREMENTS.

PLUG EXISTING FARM DRAINS WITHIN THE RIGHT OF WAY, AS INDICATED ON THE PLANS. PAYMENT FOR THE FARM DRAIN PLUGS IS INCLUDED IN ITEM 602 BELOW.

PROVIDE EROSION CONTROL PADS AT THE OUTLET END OF ALL FARM DRAINS PER STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE.

PAYMENT FOR THE EROSION CONTROL PADS AND ANY NECESSARY BENDS OR BRANCHES IS INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

Table with 2 columns: ITEM DESCRIPTION and QUANTITY. Includes items like CONCRETE MASONRY, 8" CONDUIT TYPE E, 8" CONDUIT TYPE F, and ROCK CHANNEL PROTECTION TYPE C WITH FILTER.

ITEM 609, CURB, TYPE 4-C, AS PER PLAN

THIS ITEM SHALL FOLLOW ALL SPECIFICATIONS AND REQUIREMENTS IN CMS 609 AND ODOT STANDARD CONSTRUCTION DRAWING BP-5-1 EXCEPT THE HEIGHT AND WIDTH WILL MATCH THE HEIGHT AND WIDTH OF EXISTING CURB ON DRIVE 1.

DESIGN AGENCY



DESIGNER

NJL

REVIEWER

MRT 10-14-24

PROJECT ID


117712

SHEET TOTAL

12 259

SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE	12	13	15	34	35	39	40	43	44	01/SAF/04		EXT	TOTAL			
															<b>ROADWAY</b>	
	LS			19,080						LS	201	11000	LS		CLEARING AND GRUBBING	
				719						19,080	202	23000	19,080	SY	PAVEMENT REMOVED	
				146						719	202	35100	719	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
				1						146	202	35200	146	FT	PIPE REMOVED, OVER 24" DIAMETER	
				3						1	202	58000	1	EACH	MANHOLE REMOVED	
				1						3	202	58100	3	EACH	CATCH BASIN REMOVED	
				3						1	SPECIAL	20266000	1	EACH	DRILLED WATER WELL ABANDONED	34
				8,453						8,453	202	75000	8,453	FT	FENCE REMOVED	
				3						3	202	98100	3	EACH	REMOVAL MISC.:METAL POST	12
		1		3						1	SPECIAL	20307510	1	EACH	PIEZOMETER	13
										165,863	203	20000	165,863	CY	EMBANKMENT	
										4	SPECIAL	20365000	4	EACH	SETTLEMENT PLATFORM	13
				2,518						36,876	203	10000	36,876	CY	EXCAVATION	
				2,518						2,518	203	35120	2,518	CY	GRANULAR MATERIAL, TYPE C	
						15,041				15,041	204	10000	15,041	SY	SUBGRADE COMPACTION	
						9				9	204	45000	9	hour	PROOF ROLLING	
	LS					617				LS	206	30000	LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	
						23,793				617	206	10500	617	TON	CEMENT	
						20,214				23,793	206	11000	23,793	SY	CURING COAT	
						3,579				20,214	206	15010	20,214	SY	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	
				2,213						3,579	206	15020	3,579	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
				5						2,213	606	15050	2,213	FT	GUARDRAIL, TYPE MGS	
				6						5	606	26050	5	EACH	ANCHOR ASSEMBLY, MGS TYPE B	
				7						6	606	26150	6	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	
				4						7	606	26550	7	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
				4	8,587					4	606	35000	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1	
				4						8,587	607	15000	8,587	FT	FENCE, TYPE 47	
				4						4	622	25000	4	EACH	CONCRETE BARRIER END SECTION, TYPE D	
				4						4	622	25050	4	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	
				2						2	625	75400	2	EACH	LIGHT POLE REMOVED	34
				1						1	SPECIAL	69050350	1	EACH	MAILBOX REMOVED AND RESET	12
		2								2	623	38550	2	EACH	MONUMENT ASSEMBLY, TYPE D	13
															<b>EROSION CONTROL</b>	
								46		46	601	21050	46	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
							250			250	601	21060	250	SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	
	6						153			159	601	32200	159	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
							984			984	601	45030	984	SY	DETENTION BASIN FILTER	
			600							600	616	10000	600	MGAL	WATER, DUST CONTROL	
										2	659	00100	2	EACH	SOIL ANALYSIS TEST	
										11,469	659	00300	11,469	CY	TOPSOIL	
										103,221	659	10000	103,221	SY	SEEDING AND MULCHING	
										5,166	659	14000	5,166	SY	REPAIR SEEDING AND MULCHING	
										5,166	659	15000	5,166	SY	INTER-SEEDING	
										13.95	659	20000	13.95	TON	COMMERCIAL FERTILIZER	
										21.35	659	31000	21.35	ACRE	LIME	
										558	659	35000	558	MGAL	WATER	
										232	659	40000	232	MSF	MOWING	
							2,013			2,013	670	00500	2,013	SY	SLOPE EROSION PROTECTION	
									LS	LS	832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
									LS	LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
									LS	LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
									303,734	303,734	832	30000	303,734	EACH	EROSION CONTROL	
															<b>DRAINAGE</b>	
							11.2	0.6		13.8	602	20000	13.8	CY	CONCRETE MASONRY	
								16,570		16,570	605	11100	16,570	FT	6" SHALLOW PIPE UNDERDRAINS	
			100					3,552		3,652	605	13300	3,652	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
								283		283	605	13301	283	FT	6" UNCLASSIFIED PIPE UNDERDRAINS, AS PER PLAN	169
								3,470		3,470	605	14000	3,470	FT	6" BASE PIPE UNDERDRAINS	
			100							100	611	01500	100	FT	6" CONDUIT, TYPE F	
										5,900	611	02500	5,900	FT	8" CONDUIT, TYPE E	
										200	611	02600	200	FT	8" CONDUIT, TYPE F	

GENERAL SUMMARY

DESIGN AGENCY  
  
 DESIGNER: RPD  
 REVIEWER: RPD  
 PROJECT ID: MRT 10-14-24  
 SHEET: 117712  
 TOTAL: 31 | 259



HEN-24-0-43

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 3/25/25 TIME: 9:18:12 AM USER: binder  
 p:\bnpw\benley.com\bn-pw-01\Documents\117712\00-Engineering\Roadway\Sheets\117712\_GG001.dgn

SHEET NUM.														PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
14	15	20	21	176	177	178	179	180	181	OFFICE	16	17		01/SAF/04	EXT	TOTAL				
				2	10									12	630	97700	12	EACH	SIGNING, MISC.;SOLID WOOD POST, 4X6	13
				4	2									6	630	97700	6	EACH	SIGNING, MISC.;SOLID WOOD POST, 6X8	13
				119	175	106								400	630	07500	400	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X22	
				6	12	6								24	630	09000	24	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
				1	2									3	630	72330	3	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10	
				128	274	35								437	630	80100	437	SF	SIGN, FLAT SHEET	
				346	625	132								1,103	630	80200	1,103	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
				6	16	6								28	630	84500	28	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
				27	10	28								65	630	84900	65	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
				3										3	630	85400	3	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	
				32	12	55								99	630	86002	99	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
				10										10	630	86102	10	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	
									92					92	644	00500	92	FT	STOP LINE	
								235						235	644	00700	235	FT	TRANSVERSE/DIAGONAL LINE,WHITE	
								351						351	644	00700	351	FT	TRANSVERSE/DIAGONAL LINE,YELLOW	
									96					96	644	00900	96	SF	ISLAND MARKING	
									18					18	644	01300	18	EACH	LANE ARROW	
									6					6	646	20300	6	EACH	LANE ARROW	
									4					4	646	20320	4	EACH	WRONG WAY ARROW	
							0.98							0.98	646	10010	0.98	MILE	EDGE LINE, 6", WHITE	
							0.81							0.81	646	10010	0.81	MILE	EDGE LINE, 6", YELLOW	
								0.05						0.05	646	10200	0.05	MILE	CENTER LINE	
								197						197	646	10310	197	FT	CHANNELIZING LINE, 12"	
								3.49						3.49	644	00104	3.49	MILE	EDGE LINE, 6", WHITE	
														3.07	644	00104	3.07	MILE	EDGE LINE, 6", YELLOW	
								2.69						2.69	644	00204	2.69	MILE	LANE LINE, 6"	
								0.16						0.16	644	00300	0.16	MILE	CENTER LINE	
								4,785						4,785	644	00404	4,785	FT	CHANNELIZING LINE, 12"	
								2,454						2,454	644	01510	2,454	FT	DOTTED LINE, 6"	
																			<b>MAINTENANCE OF TRAFFIC</b>	
		6	4											10	614	12380	10	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
	4													4	614	12470	4	EACH	WORK ZONE SPEED LIMIT SIGN	
												8		8	614	12484	8	EACH	WORK ZONE INCREASED PENALTIES SIGN	
												5		5	614	12500	5	EACH	REPLACEMENT SIGN	
											5			5	614	12600	5	EACH	REPLACEMENT DRUM	
														192	614	13310	192	EACH	BARRIER REFLECTOR, TYPE 1, BI-DIRECTIONAL	
														14	614	13318	14	EACH	BARRIER REFLECTOR, TYPE 5, ONE-WAY	
														14	614	13350	14	EACH	OBJECT MARKER, ONE WAY	
														192	614	13360	192	EACH	OBJECT MARKER, TWO WAY	
														18	614	18601	18	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	15
												2.69		2.69	614	20560	2.69	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
												0.21		0.21	614	21550	0.21	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
														2.47	614	22056	2.47	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT,WHITE	
														1.72	614	22056	1.72	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT,YELLOW	
														4.47	614	22360	4.47	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT,WHITE	
														3.88	614	22360	3.88	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT,YELLOW	
														4,982	614	23690	4,982	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
														930	614	23110	930	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	
														146	614	24102	146	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT	
														2,454	614	24612	2,454	FT	WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT	
														94	614	25200	94	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	
														50	614	26000	50	FT	WORK ZONE STOP LINE, CLASS I	
														7	614	30200	7	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT,TYPE 1	
														9,148	622	41100	9,148	FT	PORTABLE BARRIER, UNANCHORED	
														425	622	41100	425	FT	PORTABLE BARRIER, UNANCHORED,32"	
														240	630	03100	240	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
														64	808	18700	64	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
														100	614	11110	100	SNMT	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
																			<b>INCIDENTALS</b>	
										LS				LS	614	11000	LS		MAINTAINING TRAFFIC	
20										LS				20	619	16021	20	MNTH	FIELD OFFICE, TYPE C, AS PER PLAN	14
SEE SHEET	157	FOR CULVERT	QUANTITIES (HEN-00024-0029 AND HEN-00024-0053)							LS				LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
SEE SHEET	221	FOR BRIDGE	QUANTITIES (HEN-0017D-2.756)							LS				LS	624	10000	LS		MOBILIZATION	
SEE SHEET	250	FOR WALL	QUANTITIES (WALL NO. 2 AND WALL NO. 3)																	

GENERAL SUMMARY

DESIGN AGENCY  
**B&N**  
 burgessniple.com

DESIGNER  
 RPD

REVIEWER  
 MRT 10-14-24

PROJECT ID  
 117712

SHEET TOTAL  
 33 259

HEN-24-0.43

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 3/25/25 TIME: 10:15:36 AM USER: binder  
 p:\bnpw\benley.com\bn-pw-01\Documents\117712\00-Engineering\Roadway\Sheets\117712\_GS003.dgn

STATION RANGE	NOTES	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	442	407	442	302	304	204	206	206	206	204	411	452	206	254		
							ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	NON-TRACKING TACK COAT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	ASPHALT CONCRETE BASE, AS PER PLAN	AGGREGATE BASE	SUBGRADE COMPACTION	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	CEMENT	CURING COAT	PROOF ROLLING	STABILIZED CRUSHED AGGREGATE	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS CC 1P	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	PAVEMENT PLANING, ASPHALT CONCRETE		
			FT	FT	SQ YD	SQ YD	CY	GAL	CY	CY	CY	SY	SY	TON	SY	HOUR	CY	SY	SY	SY		
RAMP C																						
606+30.87 TO 609+81.96	INT. W/ US-24 GORE TO PCC	LT/RT				194.98											43.33					
						985.78												985.78				
						1025.00					170.83											
						1077.34							1077.34	27.88	1077.34	0.36						
609+81.96 TO 611+82.26	PCC TO PT	LT/RT				110.12											24.47					
						560.79												560.79				
						583.22					97.20											
						613.15							613.15	15.87	613.15	0.20						
611+82.26 TO 614+04.59	PT TO PC	LT/RT	222.33	5.00	123.52												27.45					
			222.33	25.00	617.58													617.58				
			222.33	26.00	642.29						107.05											
			222.33	27.33	675.24								675.24	17.47	675.24	0.23						
614+04.59 TO 616+71.91	PC TO PT	LT/RT				150.93											33.54					
						733.27												733.27				
						762.61					127.10											
						805.78							805.78	20.85	805.78	0.27						
616+71.91 TO 617+31.70	PT TO BEGIN TAPER		59.79	5.00	33.22												7.38					
			59.79	25.00	166.08													166.08				
			59.79	26.00	172.73						28.79											
			59.79	27.33	181.59								181.59	4.70	181.59	0.06						
617+31.70 TO 618+08.93	BEGIN TAPER TO INT.	LT/RT				24.37											5.42					
						319.47												319.47				
						328.56					54.76											
						340.47							340.47	8.81	340.47	0.11						
RAMP D																						
700+16.93 TO 701+08.60	INT. TO BEGIN TAPER	LT/RT				27.15											6.03					
						417.41												417.41				
						427.81					71.30											
						441.53							441.53	11.42	441.53	0.15						
701+08.60 TO 701+66.75	BEGIN TAPER TO PC	LT/RT	58.15	5.00	32.31												7.18					
			58.15	25.00	161.53													161.53				
			58.15	26.00	167.99						28.00											
			58.15	27.33	176.61								176.61	4.57	176.61	0.06						
701+66.75 TO 703+19.23	PC TO PT	LT/RT				85.46											18.99					
						420.65												420.65				
						437.52					72.92											
						459.92							459.92	11.90	459.92	0.15						
703+19.23 TO 705+19.95	PT TO PC	LT/RT	200.72	5.00	111.51												24.78					
			200.72	25.00	557.56													557.56				
			200.72	26.00	579.86						96.64											
			200.72	27.33	609.61								609.61	15.77	609.61	0.20						
705+19.95* TO 709+44.95*	PC TO PCC *QUANTITY ACCOUNTS FOR 9.038' GAP AT STATION EQUATION 705+19.95 = 705+28.99	LT/RT				234.01											52.00					
						1188.59												1188.59				
						1236.14					206.02											
						1299.56							1299.56	33.63	1299.56	0.43						
709+44.95 TO 710+25.51	PCC TO BEGIN TAPER	LT/RT	80.56	5.00	44.76												9.95					
			80.56	25.00	223.78													223.78				
			80.56	26.00	232.73						38.79											
			80.56	27.33	244.67								244.67	6.33	244.67	0.08						
710+25.51 TO 710+75.51	BEGIN TAPER TO INT.					28.02											6.23					
						144.64												144.64				
						150.21					25.03											
						157.63							157.63	4.08	157.63	0.05						
TOTALS FROM SHEET							392.00	1729.00	653.00	2559.00	1693.00	10537.00								870.00		
TOTALS FROM SHEET							521.00	1751.00	868.00	2506.00	2257.00	4202.00	9724.00	252.00	9724.00	3.00						
TOTALS FROM SHEET								7.00	3.00		1166.00	302.00	3406.00	181.00	6985.00	3.00	264.00	6411.00	3579.00			
TOTALS FROM SHEET											1125.00		7084.00	184.00	7084.00	3.00	267.00	6498.00				
SUB TOTALS																				870.00		
TOTALS CARRIED TO GENERAL SUMMARY							913	3487	1524	5065	6241	15041	20214	617	23793	9	531	12909	3579	870		

PAVEMENT SUBSUMMARY

DESIGN AGENCY

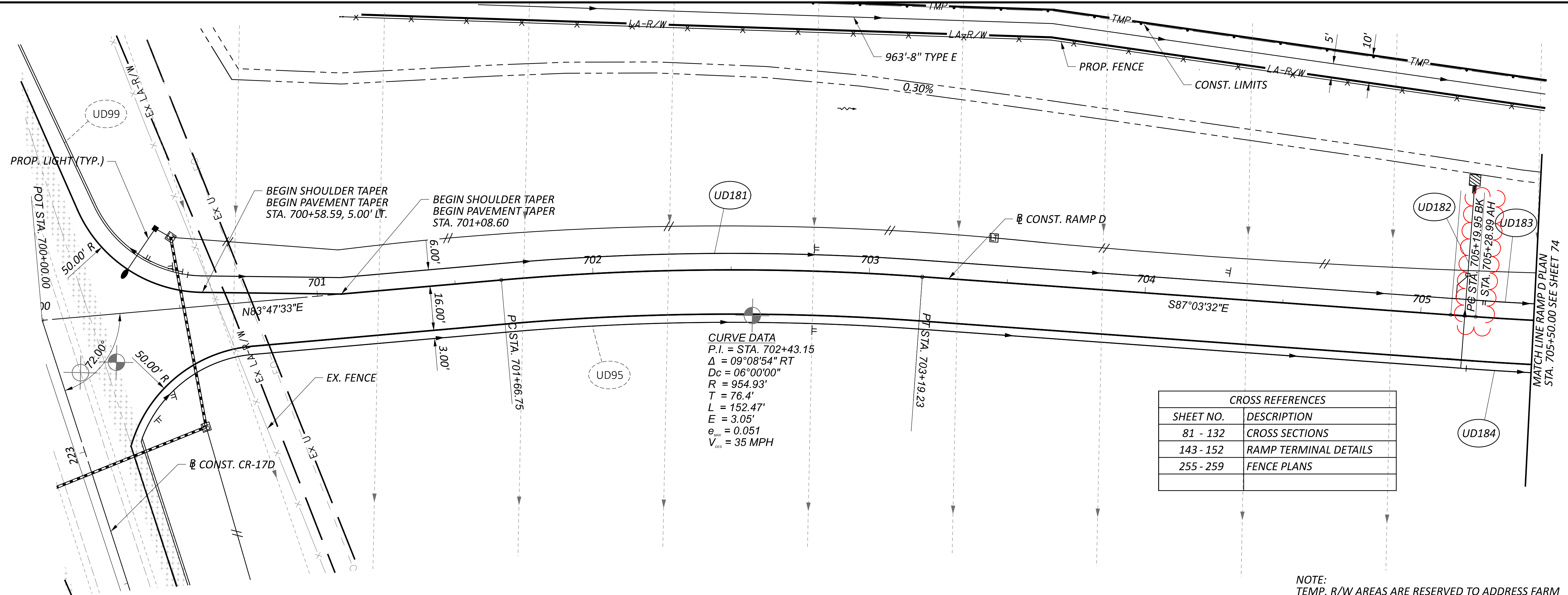


DESIGNER RPD

REVIEWER MRT 10-14-24

PROJECT ID 117712

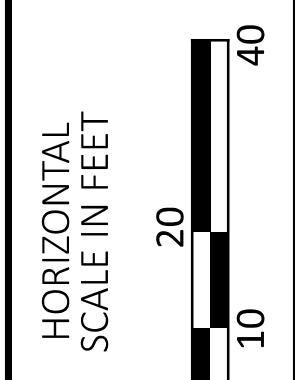
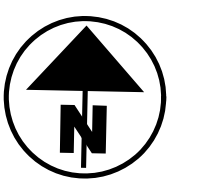
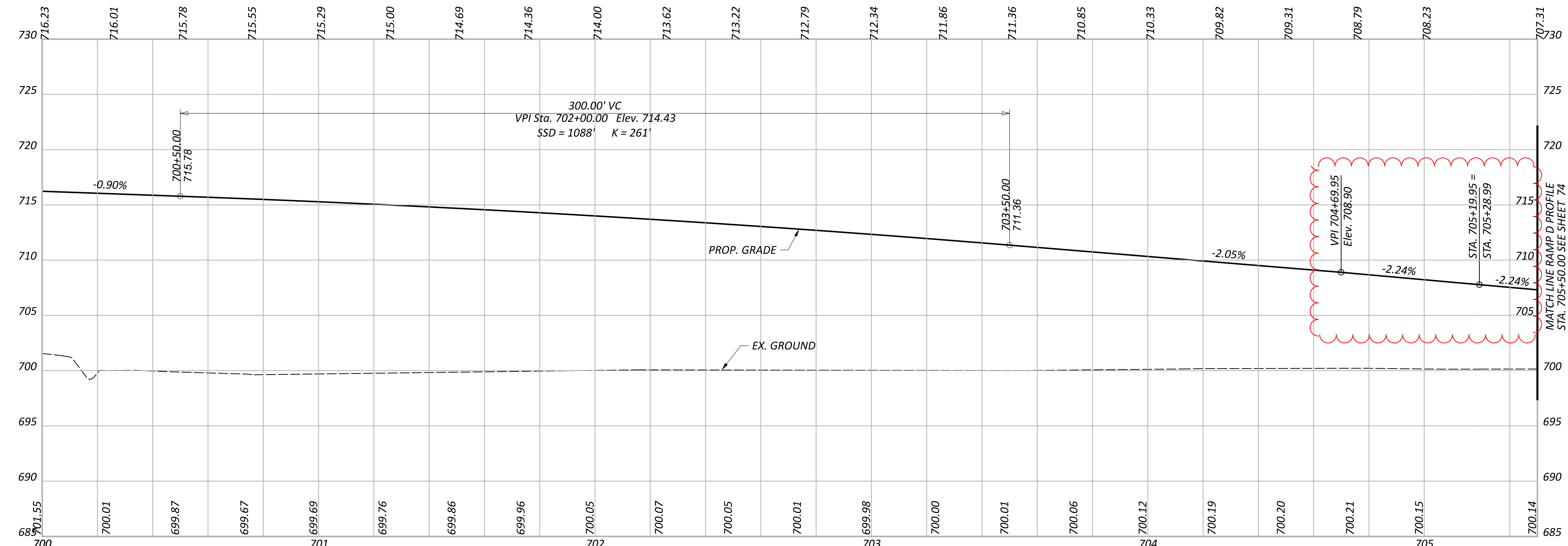
SHEET TOTAL 39 | 259



**CURVE DATA**  
 P.I. = STA. 702+43.15  
 $\Delta = 09^{\circ}08'54''$  RT  
 $D_c = 06^{\circ}00'00''$   
 $R = 954.93'$   
 $T = 76.4'$   
 $L = 152.47'$   
 $E = 3.05'$   
 $e_{min} = 0.051$   
 $V_{min} = 35$  MPH

CROSS REFERENCES	
SHEET NO.	DESCRIPTION
81 - 132	CROSS SECTIONS
143 - 152	RAMP TERMINAL DETAILS
255 - 259	FENCE PLANS

NOTE:  
 TEMP. R/W AREAS ARE RESERVED TO ADDRESS FARM  
 DRAINS ENCOUNTERED DURING CONSTRUCTION.



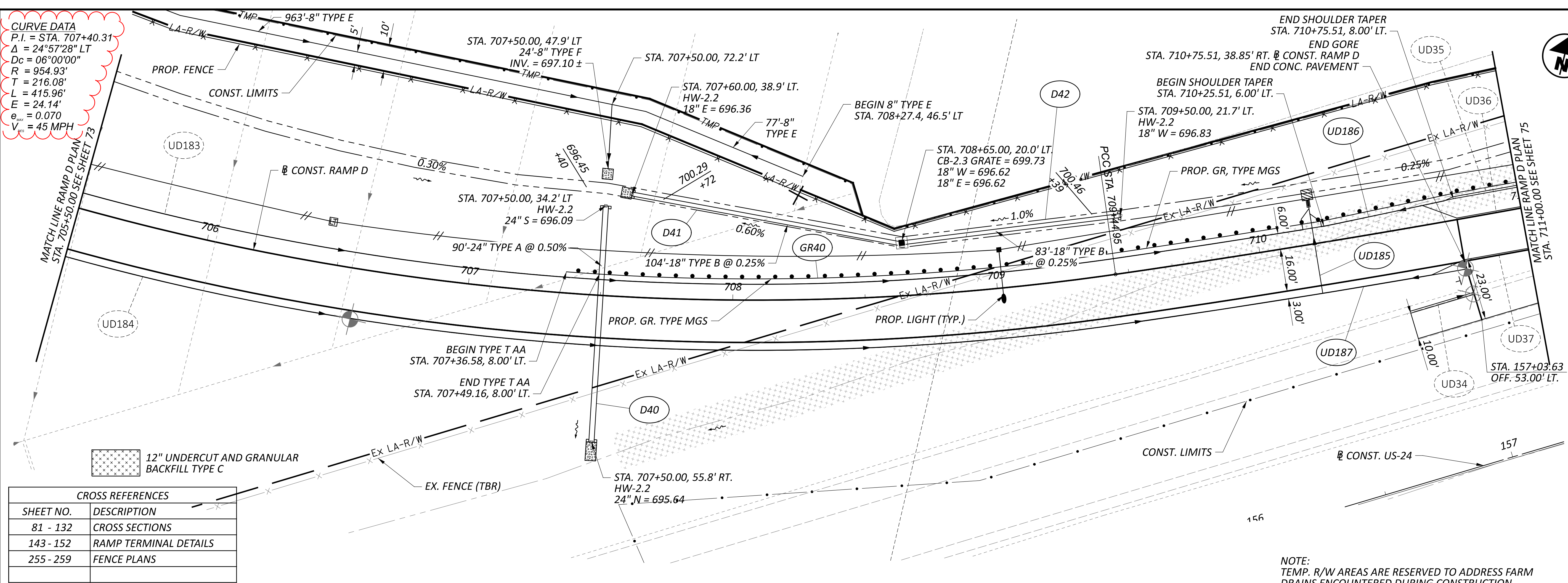
**PLAN AND PROFILE - RAMP D**  
 STA. 700+00.00 TO STA. 705+50.00

DESIGN AGENCY



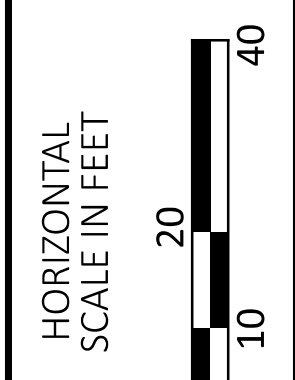
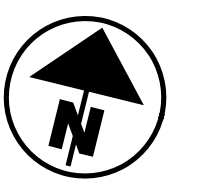
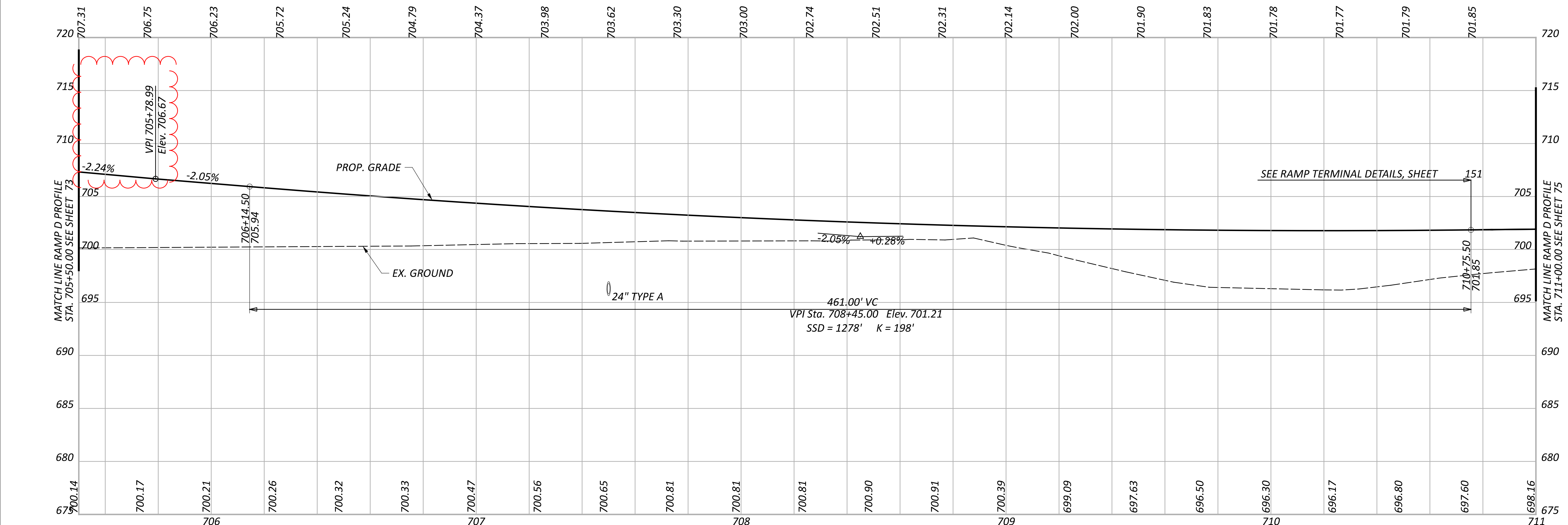
DESIGNER	NJL
REVIEWER	MRT
PROJECT ID	117712
SHEET	73
TOTAL	259

**CURVE DATA**  
 P.I. = STA. 707+40.31  
 $\Delta = 24^{\circ}57'28''$  LT  
 $D_c = 06^{\circ}00'00''$   
 $R = 954.93'$   
 $T = 216.08'$   
 $L = 415.96'$   
 $E = 24.14'$   
 $e_{max} = 0.070$   
 $V = 45$  MPH



CROSS REFERENCES	
SHEET NO.	DESCRIPTION
81 - 132	CROSS SECTIONS
143 - 152	RAMP TERMINAL DETAILS
255 - 259	FENCE PLANS

NOTE:  
 TEMP. R/W AREAS ARE RESERVED TO ADDRESS FARM DRAINS ENCOUNTERED DURING CONSTRUCTION.



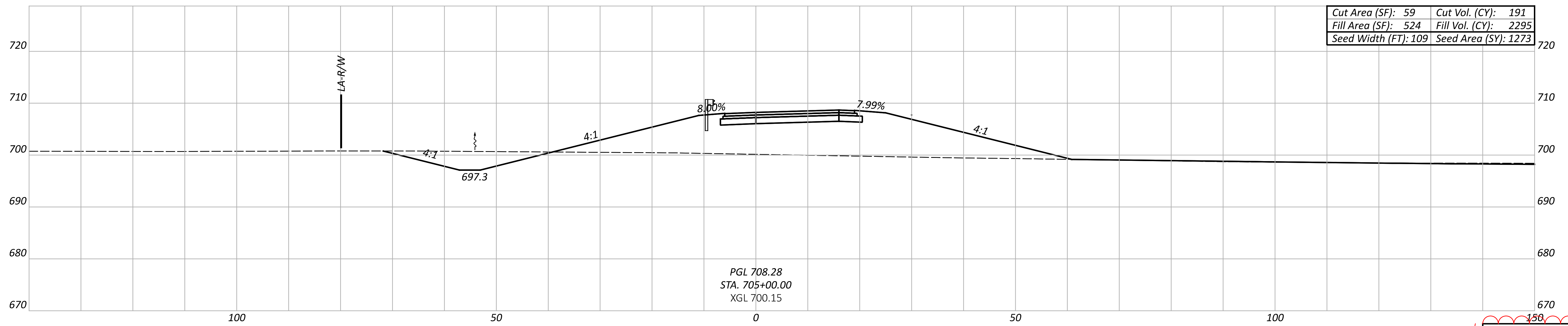
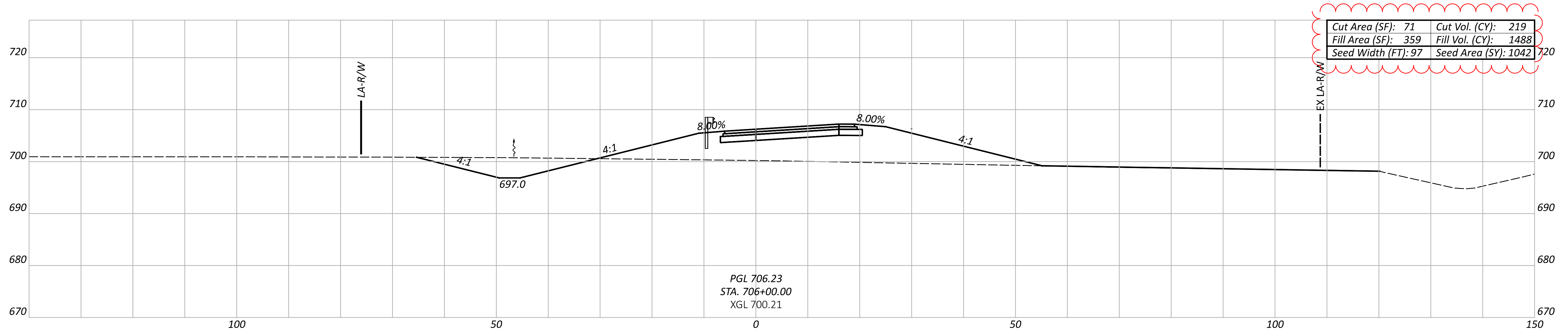
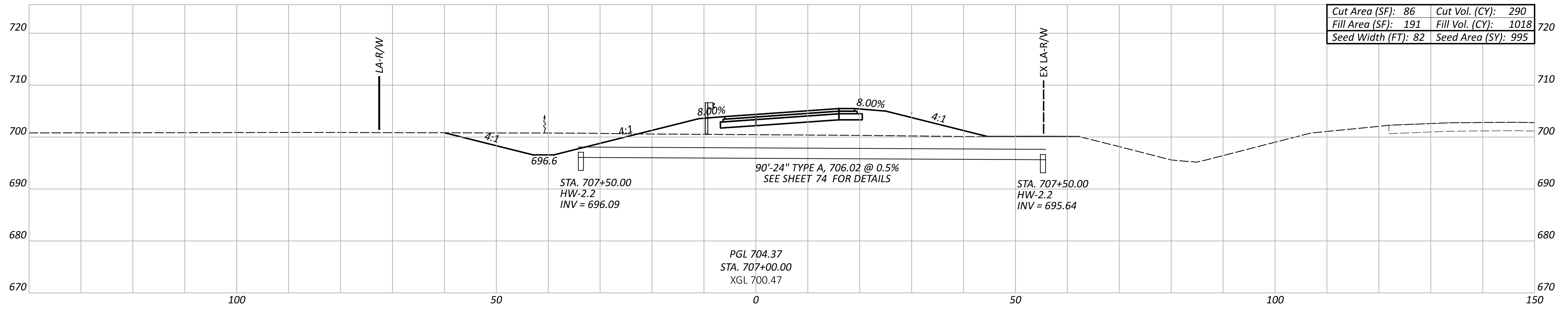
**PLAN AND PROFILE - RAMP D**  
 STA. 705+50.00 TO STA. 711+00.00

DESIGN AGENCY



DESIGNER	NJL
REVIEWER	MRT
PROJECT ID	117712
SHEET	74
TOTAL	259





Sheet Totals			117712	
Seeding	Cut	Fill	SHEET	TOTAL
3310	700	4801	130	259

CROSS SECTIONS- RAMP D  
 STA. 705+00.00 TO STA. 707+00.00

DESIGN AGENCY



DESIGNER  
 NJL

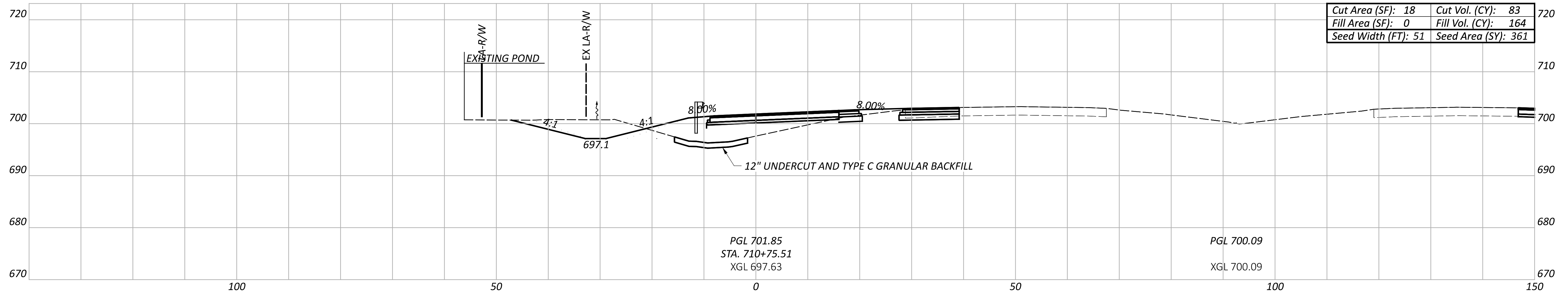
REVIEWER  
 MRT

PROJECT ID  
 10-14-24

PROJECT ID  
 117712

SHEET  
 130

TOTAL  
 259



Cut Area (SF): 18	Cut Vol. (CY): 83
Fill Area (SF): 0	Fill Vol. (CY): 164
Seed Width (FT): 51	Seed Area (SY): 361

TOTALS CARRIED TO GENERAL NOTES			Sheet Totals		
ITEM 203 - EXCAVATION	ITEM 203 - EMBANKMENT	ITEM 659 - SEEDING & MULCHING	Seeding	Cut	Fill
1,380 CU. YD.	19,907 CU. YD.	9,818 SQ. YD.	361	83	164

CROSS SECTIONS - RAMP D  
 STA. 710+75.51

DESIGN AGENCY



DESIGNER  
 NJL

REVIEWER  
 MRT

PROJECT ID  
 10-14-24

SHEET TOTAL  
 117712

132 | 259

**RAMP D SUPERELEVATION TABLE**

P. I. Station 702+43.15

Dc = 6°0'0"

LEFT SIDE					CENTERLINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	*ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	*ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
SEE INTERSECTION DETAIL												
					701+08.60	715.19	16.00	-0.011	-0.18	161:1	715.01	
					701+20.38	715.06	16.00	-0.016	-0.26		714.80	R.C.
					701+25.00	715.00	16.00	-0.018	-0.28		714.72	
					701+50.00	714.69	16.00	-0.027	-0.44		714.25	
					701+66.75	714.47	16.00	-0.034	-0.54		713.93	P.C.
					701+75.00	714.36	16.00	-0.037	-0.60		713.76	
					702+00.00	714.00	16.00	-0.047	-0.75		713.25	
					702+10.54	713.85	16.00	-0.051	-0.82		713.03	F.S.
					702+25.00	713.62	16.00	-0.051	-0.82		712.80	
					702+50.00	713.22	16.00	-0.051	-0.82		712.40	
					702+65.39	712.98	16.00	-0.051	-0.82	712.16	F.S.	
					702+75.00	712.79	16.00	-0.048	-0.76	712.03		
					703+00.00	712.34	16.00	-0.039	-0.63	711.71		
					703+19.23	711.97	16.00	-0.033	-0.52	711.45	P.T.	
					703+25.00	711.86	16.00	-0.031	-0.49	711.37		
					703+50.00	711.36	16.00	-0.022	-0.36	711.00		
					703+68.99	710.97	16.00	-0.016	-0.26	710.71	N.C.	
					703+75.00	710.85	16.00	-0.014	-0.22	710.63		
					704+00.00	710.33	16.00	-0.006	-0.09	710.24		
					704+16.35	710.00	16.00	-0.000	-0.00	710.00	FLAT	

**RAMP D SUPERELEVATION TABLE**

P.I. Station 707+36.03

Dc = 6°0'0"

LEFT SIDE					CENTERLINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	*ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	*ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
					704+16.35	710.00	16.00	+0.000	+0.00	185:1	710.00	FLAT
					704+25.00	709.82	16.00	+0.003	+0.05		709.87	
					704+50.00	709.31	16.00	+0.011	+0.18		709.49	
					704+63.71	709.03	16.00	+0.016	+0.26		709.29	N.C.
					704+75.00	708.79	16.00	+0.020	+0.32		709.11	
					705+00.00	708.23	16.00	+0.028	+0.45		708.68	
					705+19.95	707.78	16.00	+0.035	+0.56		708.34	"
					705+28.99	707.78	16.00	+0.035	+0.56		708.34	
					705+50.00	707.31	16.00	+0.045	+0.72		708.03	
					705+75.00	706.75	16.00	+0.054	+0.86		707.61	
					706+00.00	706.23	16.00	+0.062	+0.99	707.22		
					706+23.55	705.75	16.00	+0.070	+1.12	706.87	F.S.	
					706+25.00	705.73	16.00	+0.070	+1.12	706.85		
					706+50.00	705.24	16.00	+0.070	+1.12	706.36		
					706+75.00	704.79	16.00	+0.070	+1.12	705.91		
					707+00.00	704.37	16.00	+0.070	+1.12	705.49		
					707+25.00	703.98	16.00	+0.070	+1.12	705.10		
					707+50.00	703.62	16.00	+0.070	+1.12	704.74		
					707+75.00	703.30	16.00	+0.070	+1.12	704.42		
					708+00.00	703.00	16.00	+0.070	+1.12	704.12		
					708+25.00	702.74	16.00	+0.070	+1.12	703.86		
					708+50.00	702.51	16.00	+0.070	+1.12	703.63		
					708+75.00	702.31	16.00	+0.070	+1.12	703.43		
					708+94.62	702.18	16.00	+0.070	+1.12	703.30	F.S.	
					709+00.00	702.14	16.00	+0.069	+1.10	703.24		
					709+25.00	702.00	16.00	+0.062	+0.99	702.99		
					709+44.95	701.92	16.00	+0.057	+0.91	702.83	P.C.C.	

SUPERELEVATION TABLE  
RAMP D

DESIGN AGENCY

DESIGNER  
NJL

REVIEWER  
MRT 10-14-24

PROJECT ID  
117712

SHEET TOTAL  
138 259

REF NO.	SHEET NO.			LOCATION	STATION TO STATION			621		621		646		646		644		644		644		644		644		
								RPM, 1-WAY (WHITE)	EACH	RPM, 2-WAY (WHITE/RED)	EACH	CENTER LINE	MILE	CHANNELIZING LINE, 12"	FT	LANE LINE, 6"	MILE	CENTER LINE	MILE	CHANNELIZING LINE, 12"	FT	DOTTED LINE, 6"	FT	TRANSVERSE/DIAGONAL LINE, YELLOW	FT	TRANSVERSE/DIAGONAL LINE, WHITE
LL-1	182	TO	187	OH 24 EB	97+00	TO	173+00	65								1.44										
LL-2	183	TO	188	OH 24 WB	115+75	TO	181+58	56								1.25										
CL-1	189	TO	189	County RD 17D NB/SB	207+88	TO	208+88																			
CL-2	190	TO	191	County RD 17D NB/SB	214+04	TO	217+08																			
	191	TO	191	County RD 17D NB/SB	217+08	TO	219+55				0.05															
	191	TO	192	County RD 17D NB/SB	219+55	TO	222+70																			
CL-3	193	TO	193	County RD 17D NB/SB	229+11	TO	229+96																			
TLY-1	189	TO	190	County RD 17D NB/SB	209+23	TO	212+93																		173	
TLY-2	192	TO	193	County RD 17D NB/SB	224+13	TO	228+49																		178	
CH-1	184	TO	184	OH 24 WB	129+31	TO	136+32			19															701	
CH-2	184	TO	184	Ramp C	129+31	TO	136+32			19															702	
CH-3	184	TO	184	OH 24 EB	132+59	TO	135+47			9															290	
CH-4	184	TO	184	Ramp A	132+59	TO	135+47			9															290	
CH-5	186	TO	187	OH 24 EB	156+19	TO	163+61			22															801	
CH-6	186	TO	187	Ramp B	156+19	TO	163+61			22															802	
CH-7	186	TO	186	OH 24 WB	157+04	TO	160+43			9															290	
	186	TO	186	Ramp D	710+74	TO	714+14			9															290	
CH-9	190	TO	191	County RD 17D SB	214+04	TO	217+08			9															304	
	191	TO	191	County RD 17D SB	217+08	TO	218+08					99														
CH-10	191	TO	191	County RD 17D NB	218+57	TO	219+55					98														
	191	TO	192	County RD 17D NB	219+55	TO	222+70										315									
DL-1	183	TO	184	OH 24 WB	121+31	TO	129+31																		800	
DL-2	184	TO	184	OH 24 EB	127+77	TO	132+59																		482	
DL-3	186	TO	187	OH 24 WB	159+93	TO	164+74																		481	
DL-4	187	TO	187	OH 24 EB	164+20	TO	171+11																		691	
TLW-1	184	TO	184	OH 24 EB	132+58	TO	135+48																		120	
TLW-2	186	TO	186	OH 24 WB	157+04	TO	159+93																		115	
TOTALS CARRIED TO GENERAL SUMMARY								121	127							0.05	197				2.69	0.16	4785	2454	351	235

PAVEMENT MARKING SUBSUMMARY

DESIGN AGENCY



DESIGNER  
GMR

REVIEWER  
DWO 10-14-24

PROJECT ID  
117712

SHEET TOTAL  
180 | 259