

PROJECT ID: 5215-00-67

COUNTY: GRANT

WITH: N/A

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 33



DESIGN DESIGNATION 5215-00-37

A.A.D.T.	2027	=	2900
A.A.D.T.	2047	=	2900
D.H.V.		=	294
D.D.		=	60/40
T.		=	21.9%
DESIGN SPEED		=	60 MPH
ESALS		=	1,100,000

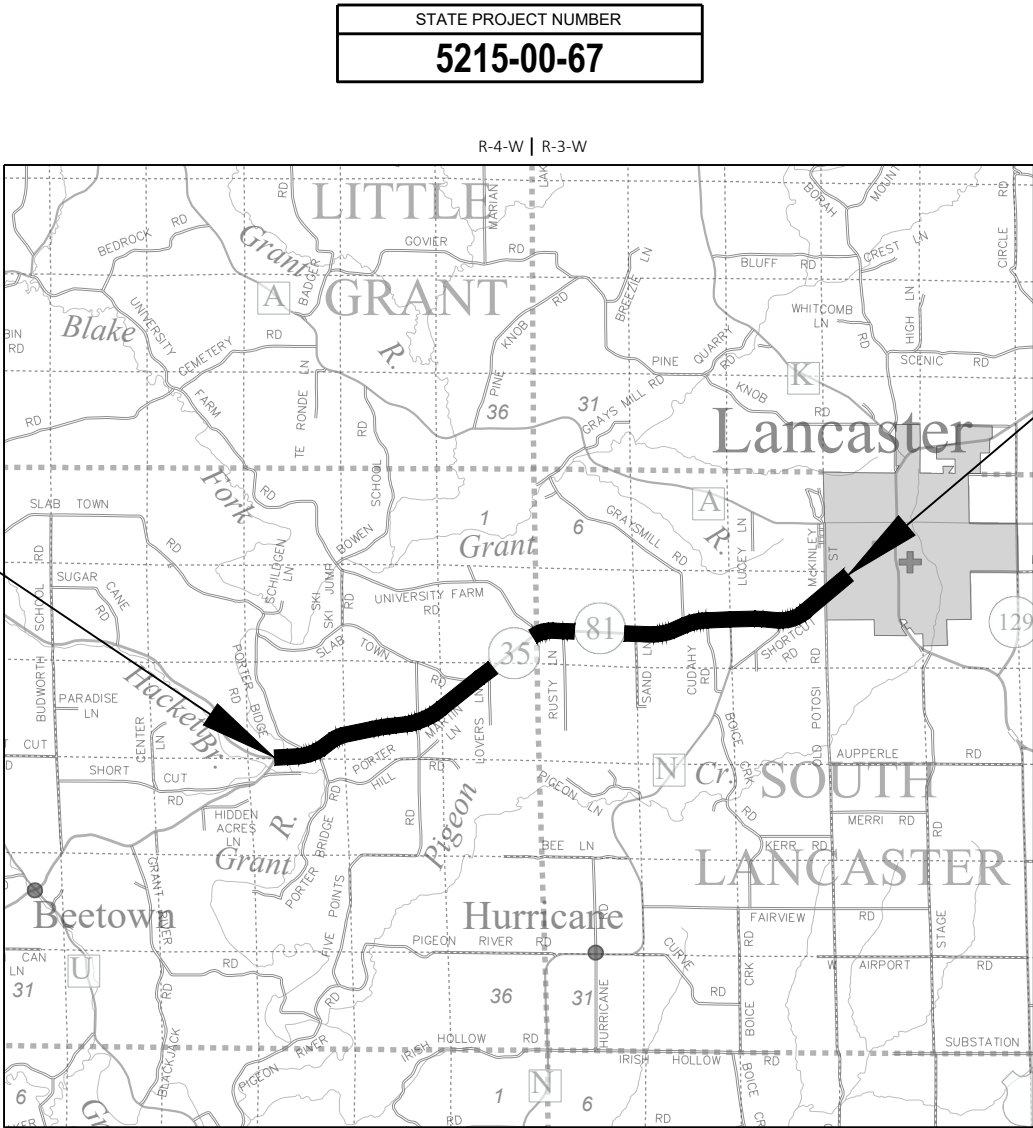
CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

BEGIN PROJECT
STA 454+50
X = 785957.96
Y = 511489.46

END PROJECT
STA 789+35
X =816492.82
Y = 521358.87



LAYOUT
SCALE 0 2 MI
TOTAL NET LENGTH OF CENTERLINE = 6.342 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, GRANT COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCE MAY BE USED AS GROUND DISTANCES. ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88 (2012).

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
LANCASTER - BLOOMINGTON
MCKINLEY ST TO GRANT RIVER BRIDGE
STH 35
GRANT COUNTY

STATE PROJECT NUMBER
5215-00-67

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5215-00-67		

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	SW REGION
Surveyor	ERIN CLEMENTS
Designer	JIM SIMPSON, P.E., P.L.S.
Project Manager	SW REGION
Regional Examiner	KURT JOHNSON, P.E.
Regional Supervisor	
APPROVED FOR THE DEPARTMENT	
DATE:	(Signature)

STANDARD ABBREVIATIONS			
AADT	ANNUAL AVERAGE DAILY TRAFFIC	PT	POINT OF TANGENCY
AP	ACCESS POINT	PVC	POINT OF VERTICAL CURVE
AC	ACRE	PVI	POINT OF VERTICAL INTERSECTION
ADJ	ADJUST	PVT	POINT OF VERTICAL TANGENCY
AECPRC	APRON ENDWALLS FOR CULVERT	R	RADIUS
AGG	AGGREGATE	RD	ROAD
AH	AHEAD	RDWY	ROADWAY
AC	ASPHALT CEMENT	REINF	REINFORCING OR REINFORCEMENT
ASPH	ASPHALTIC	REQD	REQUIRED
ACP	ASPHALTIC PAVEMENT CONCRETE	RR	RAILROAD
AVG	AVERAGE	RT	RIGHT
ADT	AVERAGE DAILY TRAFFIC	R/L	REFERENCE LINE
BK	BACK	R/W	RIGHT-OF-WAY
BAD	BASE AGGREGATE DENSE	S	SOUTH
BM	BENCH MARK	SB	SOUTHBOUND
C/L	CENTER LINE	SC	SECTION CORNER
CONC	CONCRETE	SDD	STANDARD DETAIL DRAWINGS
CONST	CONSTRUCTION	SE	SUPERELEVATION
CTH	COUNTY TRUNK HIGHWAY	SF	SQUARE FEET
CABC	CRUSHED AGGREGATE BASE COURSE	SHLDR	SHOULDER
CWA	HUNDREDWEIGHT	SS	STORM SEWER
CY	CUBIC YARD	ST	STREET
CP	CULVERT PIPE	STA	STATION
CE	COMMERCIAL ENTRANCE	STH	STATE TRUNK HIGHWAYS
C & G	CURB AND GUTTER	STR	STRUCTURE OR STRUCTURAL
D	DEGREE OF CURVE	SQ	SQUARE
DHV	DESIGN HOUR VOLUME	SW	SIDEWALK
DIA	DIAMETER	SY	SQUARE YARD
DWY	DRIVEWAY	T	TANGENT
E	EAST	t	TON
EB	EASTBOUND	T	TOWN
EL	ELEVATION	T	TRUCKS (PERCENT OF)
ESALS	EQUIVALENT SINGLE AXLE LOADS	TEMP	TEMPORARY
EXC	EXCAVATION	TI	TEMPORARY INTEREST
EBS	EXCAVATION BELOW SUBGRADE	TLE	TEMPORARY LIMITED EASEMENT
EXIST	EXISTING	TYP	TYPICAL
FERT	FERTILIZE	USH	UNITED STATES HIGHWAY
FE	FIELD ENTRANCE	V	VELOCITY OF DESIGN SPEED
FL	FLOW LINE	VAR	VARIABLE
FT	FOOT	VERT	VERTICAL
HES	HIGH EARLY STRENGTH	VC	VERTICAL CURVE
HP	HIGH POINT	VOL	VOLUME
HMA	HOT MIX ASPHALT	W	WEST
INL	INLET	WB	WESTBOUND
ID	INSIDE DIAMETER	WM	WATER MAIN
I	INTERSECTION ANGLE	WV	WATER VALVE
INV	INVERT	X	EAST GRID COORDINATE
IP	IRON PIPE OR PIN	Y	YARD
JT	JOINT	Y	NORTH GRID COORDINATE
LB	POUND		
LT	LEFT		
L	LENGTH OF CURVE		
LF	LINEAR FOOT		
LP	LOW POINT		
LS	LUMP SUM		
MH	MANHOLE		
MAX	MAXIMUM		
Mgal	MEGAGALLON		
MPH	MILES PER HOUR		
MIN	MINIMUM		
MON	MONUMENT		
N	NORTH		
NB	NORTHBOUND		
NC	NORMAL CROWN		
NO	NUMBER		
NOM	NOMINAL		
OD	OUTSIDE DIAMETER		
OPT	OPTIONAL		
PAVT	PAVEMENT		
PC	POINT OF CURVATURE		
PCC	PORTLAND CEMENT CONCRETE		
PE	PRIVATE ENTRANCE		
PGL	PROFILE GRADE LINE		
PI	POINT OF INTERSECTION		
PL	PROPERTY LINE		
PLE	PERMANENT LIMITED EASEMENT		
PSI	POUNDS PER SQUARE INCH		
PSF	POUNDS PER SQUARE FOOT		
PT	POINT		

GENERAL NOTES

NO BEAM GUARD WORK INVOLVED WITH THIS PROJECT.

NO CURB AND GUTTER WORK INVOLVED WITH THIS PROJECT.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE SEEDED, FERTILIZED, AND MULCHED AS DIRECTED BY THE ENGINEER. ALL OTHER DISTURBED AREAS SHALL BE SEEDED, FERTILIZED, AND MULCHED AT THE CONTRACTORS EXPENSE.

ALL CURB AND GUTTER RADII ARE MEASURED TO THE FLAG OF CURB UNLESS OTHERWISE NOTED.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

SAWCUTS AS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

ASPHALTIC SURFACE/HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED PAVEMENT SURFACES.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

EROSION CONTROL FEATURES AS SHOWN ON THE PLANS, SHALL BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

GRADING IS NOT ALLOWED IN DELINEATED WETLAND AREAS. DO NOT STORE EQUIPMENT OR MATERIAL IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

NUMBER, LOCATIONS, AND SPACING OF TEMPORARY AND PERMANENT SIGNS AND DEVICES AS SHOWN ON THE PLANS, SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

FIELD VERIFY SUPERELEVATION CROSS SLOPES BEFORE MILLING. MATCH EXISTING SUPERELEVATION CROSS SLOPES UNLESS OTHERWISE NOTED IN THE PLANS.

ORDER OF SECTION 2 SHEETS :

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVEMENT MARKINGS
TRAFFIC CONTROL

UTILITY CONTACTS :

ALLIANT ENERGY - ELECTRICITY
ALLAN MUMM
2200 E CAMPION BLVD
PRAIRIE DU CHIEN, WI 53821
(608) 732-7925
allanmumm@alliantenergy.com

CHARTER COMMUNICATIONS - COMMUNICATION LINE
STEVE HEGGE
315 KING ST
DODGEVILLE, WI 53533
(608) 319-4806
steve.hegge@charter.com

DAIRYLAND POWER COOPERATIVE - ELECTRICITY
MIKE LYDON
3200 EAST AVE S
P.O. BOX 817
LA CROSSE, WI 54602-0817
(608) 787-1381
michael.lydon@dairylandpower.com

SCENIC RIVERS ENERGY COOPERATIVE - ELECTRICITY
SHANE CROWLEY
231 N SHERIDAN ST
LANCASTER, WI 53813
(608) 723-2121 EXT. 553
scrowley@srec.net

TDS TELECOM - COMMUNICATION LINE
JERRY MYERS
525 JUNCTION RD
MADISON, WI 53717
(608) 664-4404
jerry.myers@tdstelecom.com

WISCONSIN DEPT OF NATURAL RESOURCES CONTACTS

ANDY BARTA
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711-5367
(608) 235-2955
andrew.barta@wisconsin.gov

WISCONSIN DEPT OF TRANSPORTATION CONTACTS

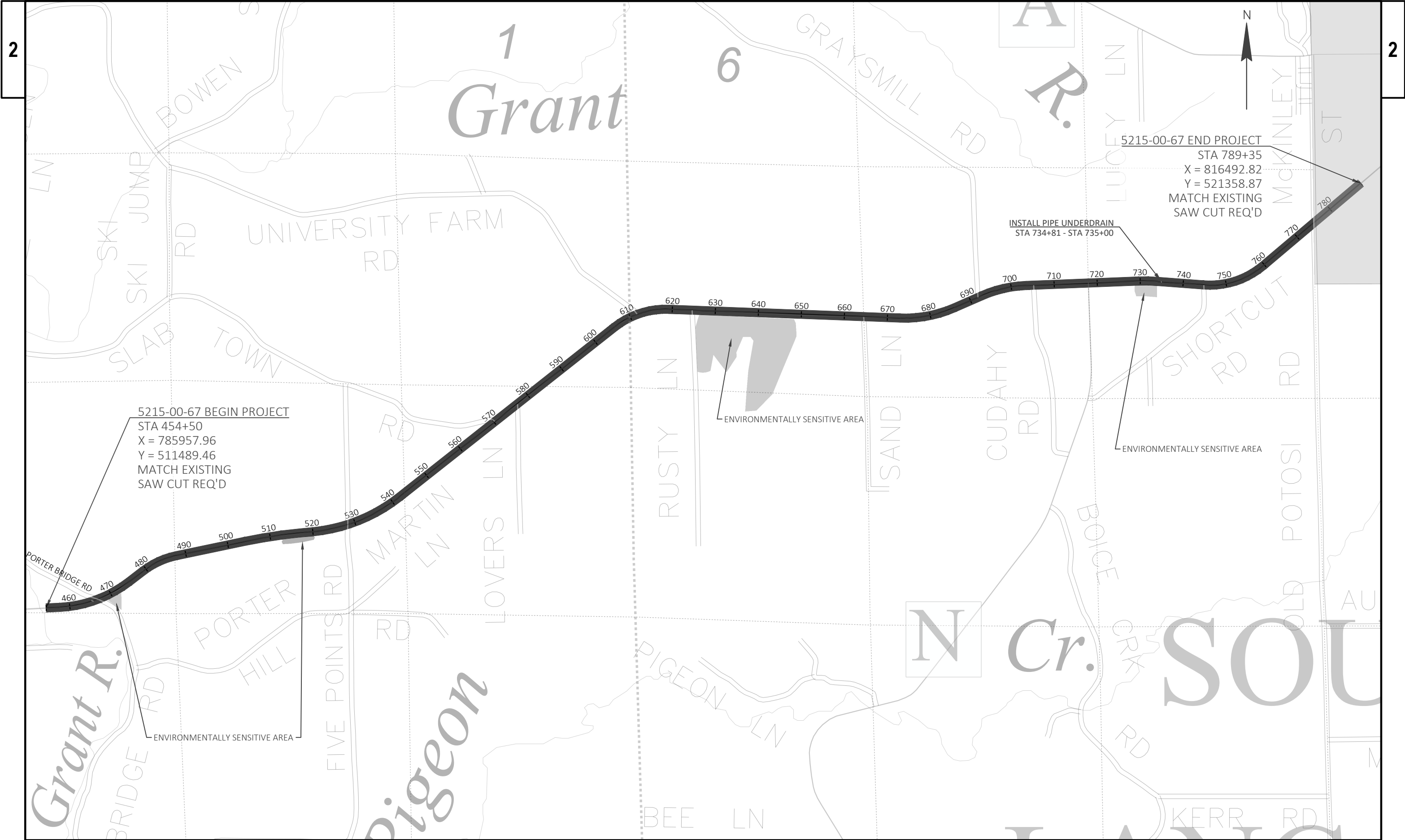
PROJECT MANAGER
JIM SIMPSON, P.E.
2101 WRIGHT ST
MADISON, WI 53704
(608) 246-5628
jim.simpson@dot.wi.gov

DESIGN ENGINEER
ERIN CLEMENTS
2101 WRIGHT ST
MADISON, WI 53704
(608) 261-6122
erin.clements@dot.wi.gov

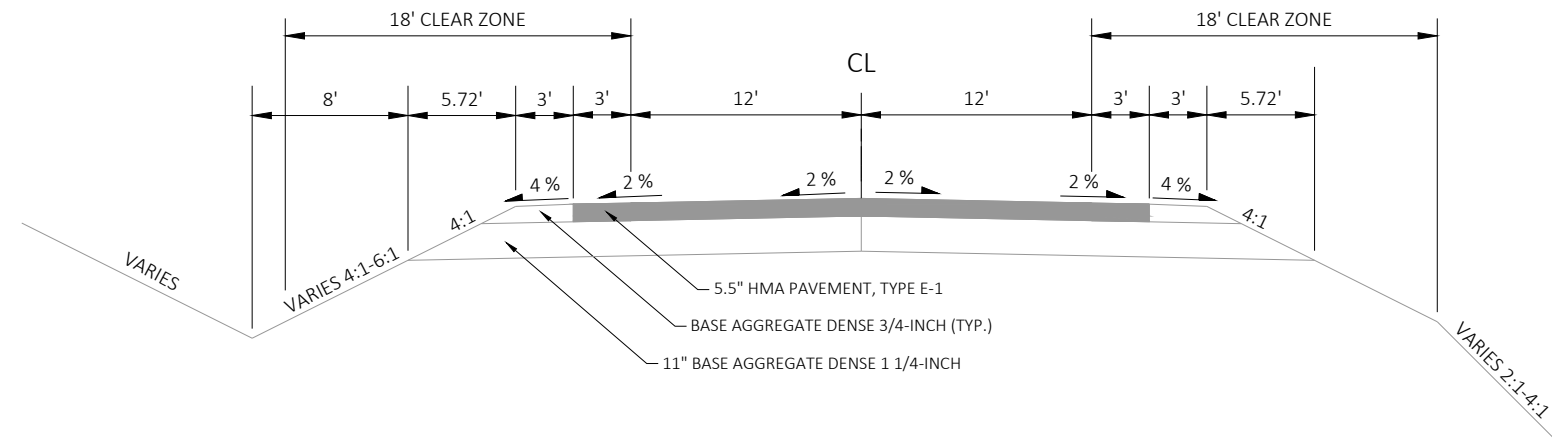


Dial 811 or (800)242-8511

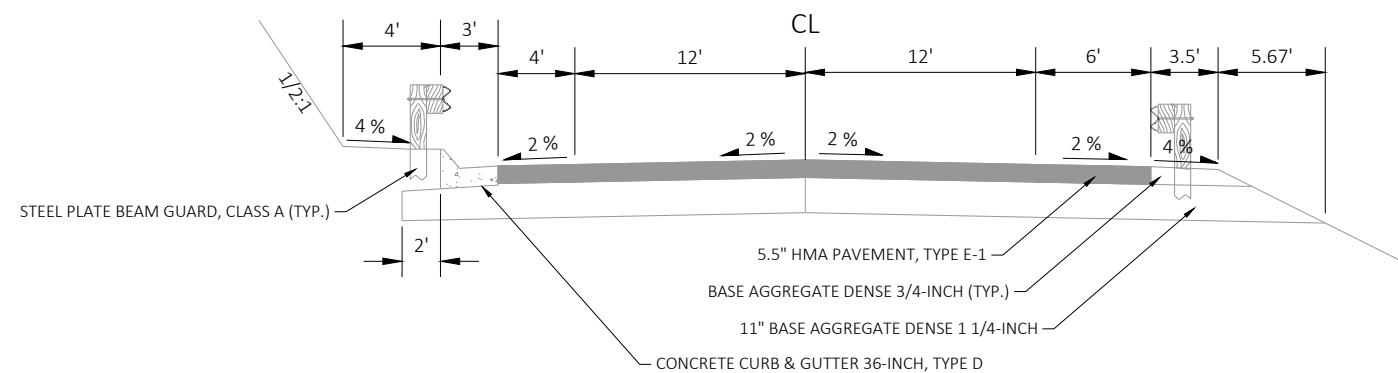
www.DiggersHotline.com



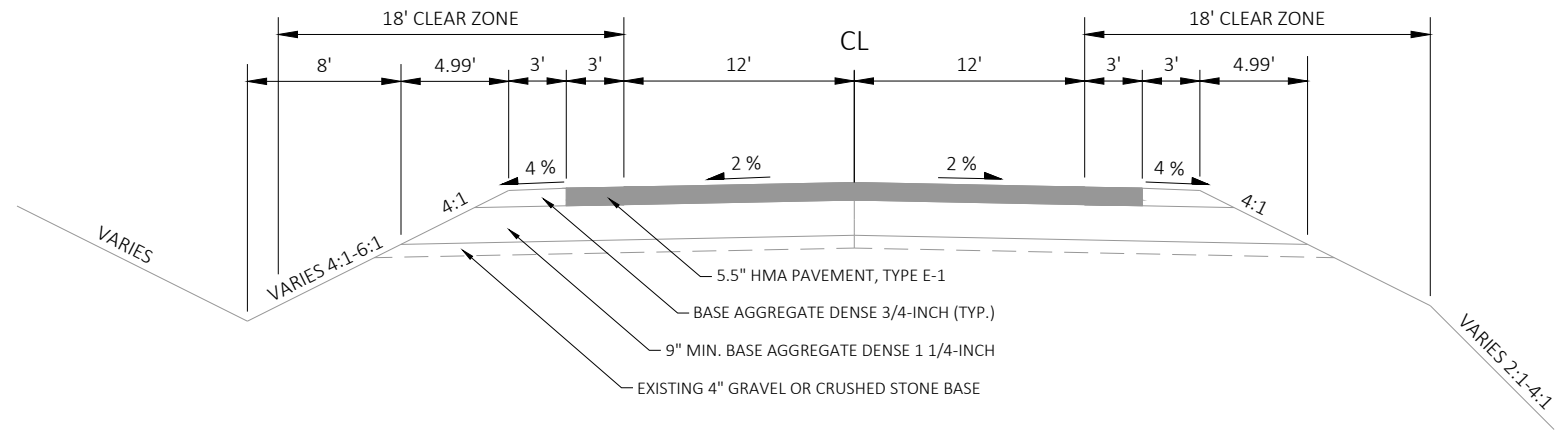
PROJECT NO: 5215-00-67	HWY: STH 35	COUNTY: GRANT	PROJECT OVERVIEW	SHEET E
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**EXISTING TYPICAL SECTION**

STA. 454+50 - 460+50 STA. 575+50 - 604+50
STA. 485+50 - 503+92 STA. 607+50 - 611+75
STA. 509+21 - 524+50 STA. 664+50 - 699+65
STA. 543+50 - 560+55 STA. 708+50 - 720+00

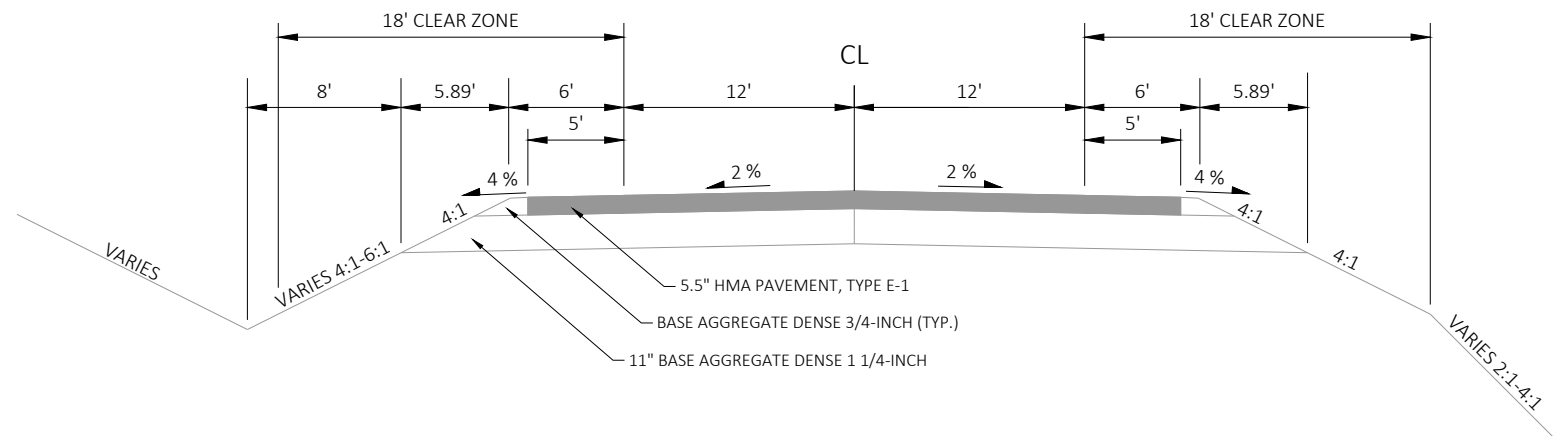
**EXISTING TYPICAL SECTION**

STA 503+92 - 509+21



EXISTING TYPICAL SECTION

STA. 460+50 - 485+50
STA. 524+50 - 543+50
STA. 560+55 - 575+50
STA. 604+50 - 607+50
STA. 611+75 - 664+50
STA. 699+65 - 708+50

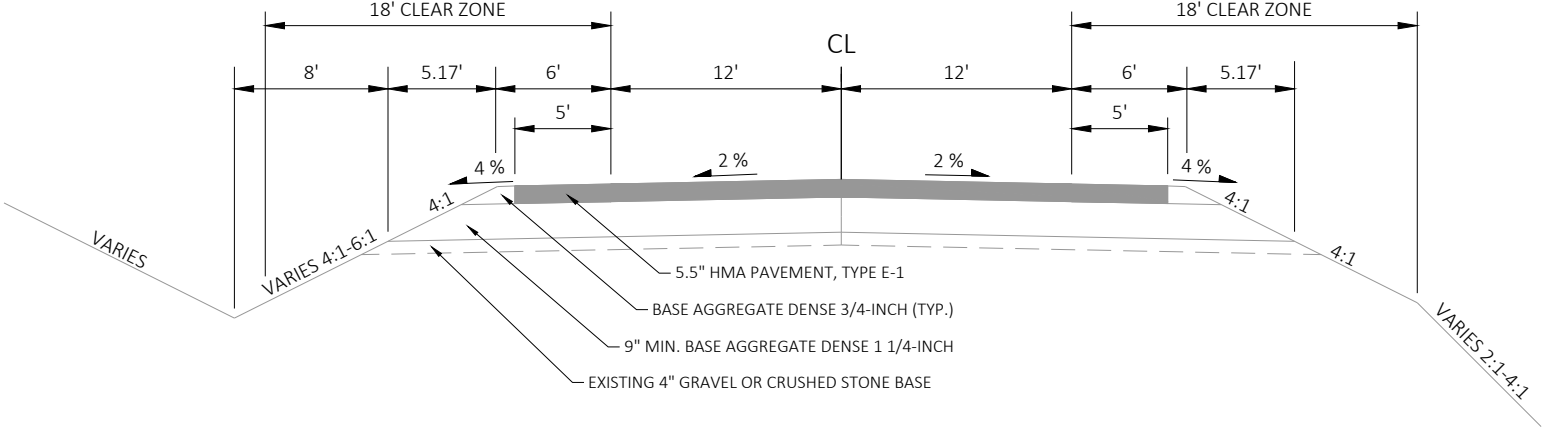


EXISTING TYPICAL SECTION

STA 720+00 - 749+50
STA 758+50 - 760+50
STA 765+50 - 775+00

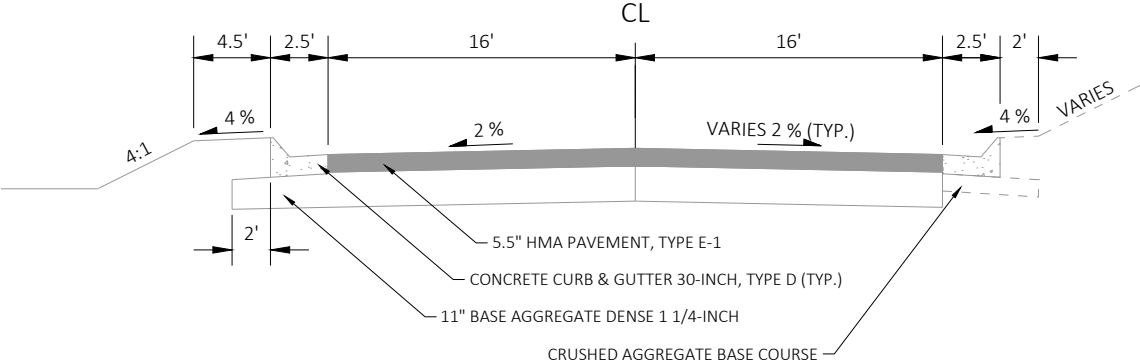
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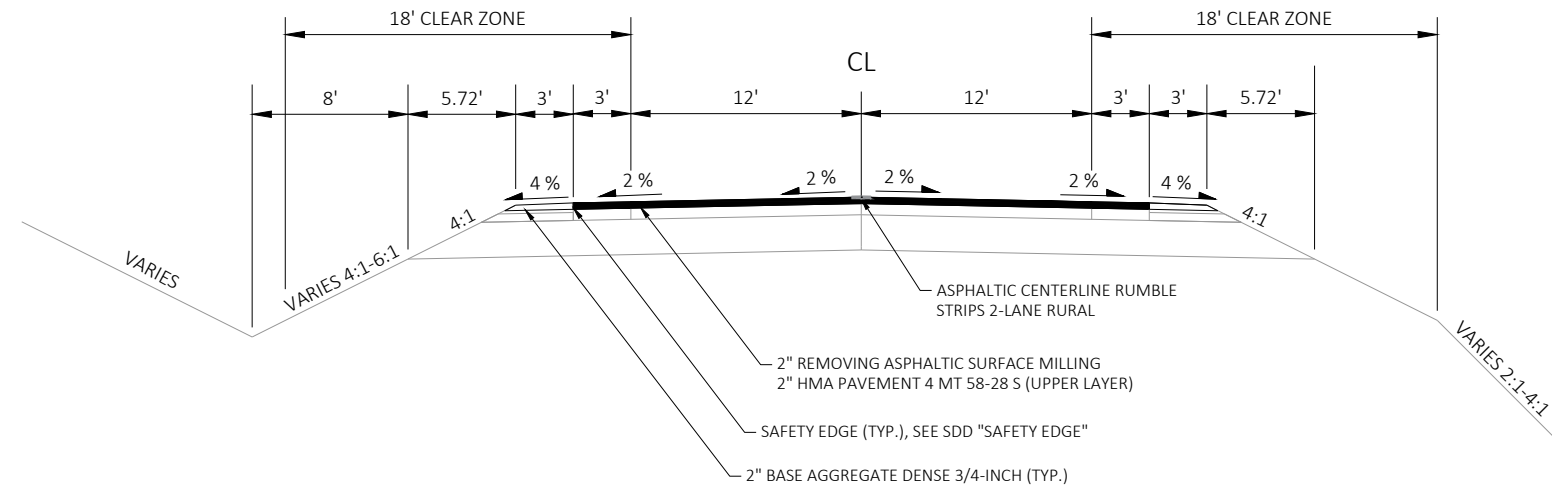
EXISTING TYPICAL SECTION

STA 749+50 - 758+50
STA 760+50 - 765+50



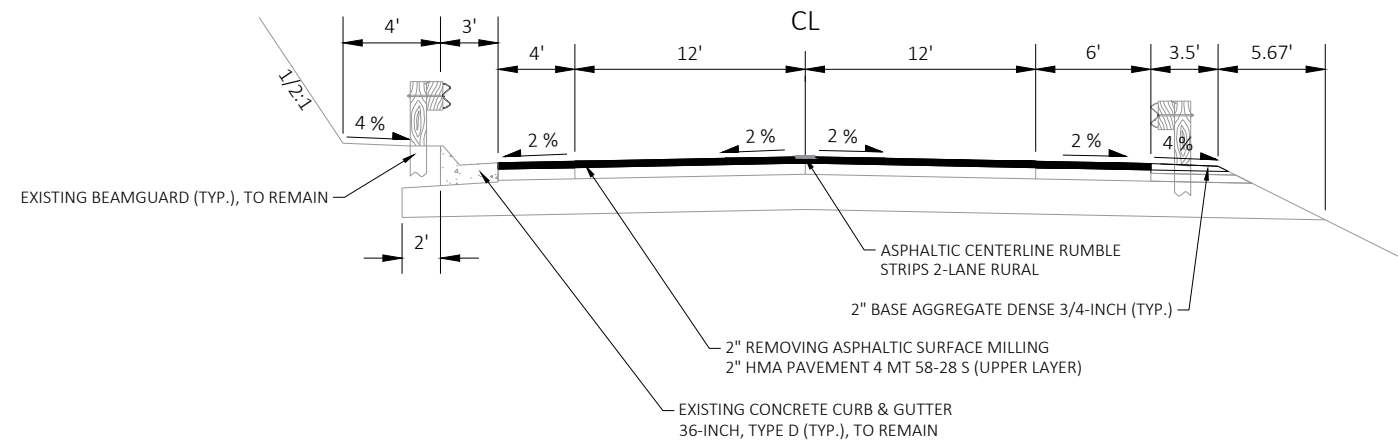
EXISTING TYPICAL SECTION

STA 775+00 - 789+35



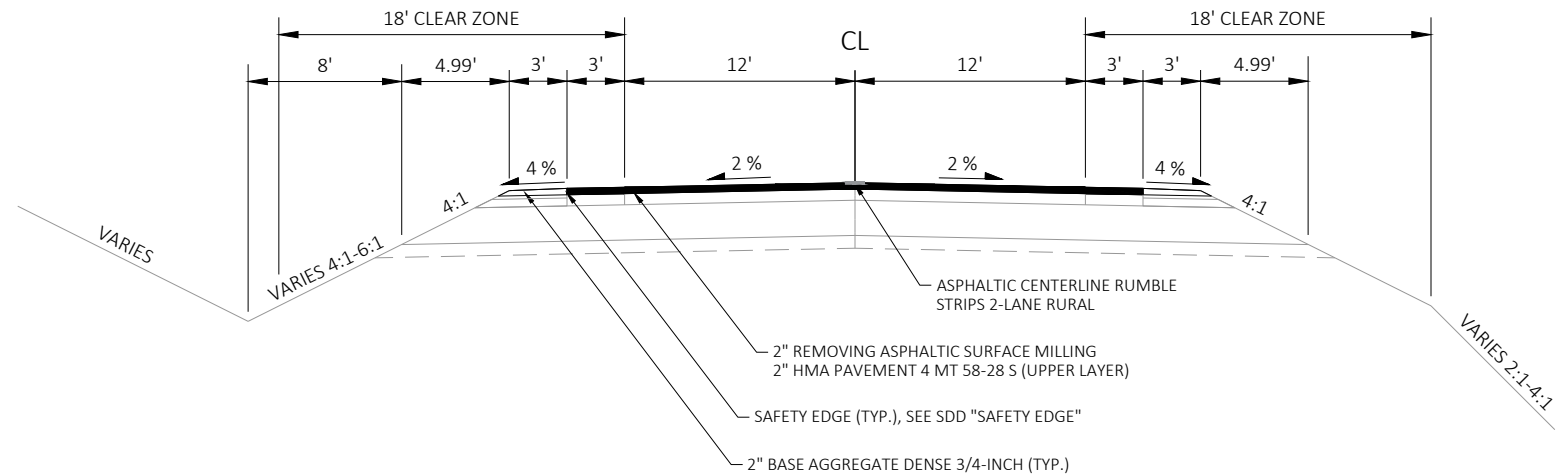
FINISHED TYPICAL SECTION

STA. 454+50 - 460+50 STA. 575+50 - 604+50
STA. 485+50 - 503+92 STA. 607+50 - 611+75
STA. 509+21 - 524+50 STA. 664+50 - 699+65
STA. 543+50 - 560+55 STA. 708+50 - 720+00



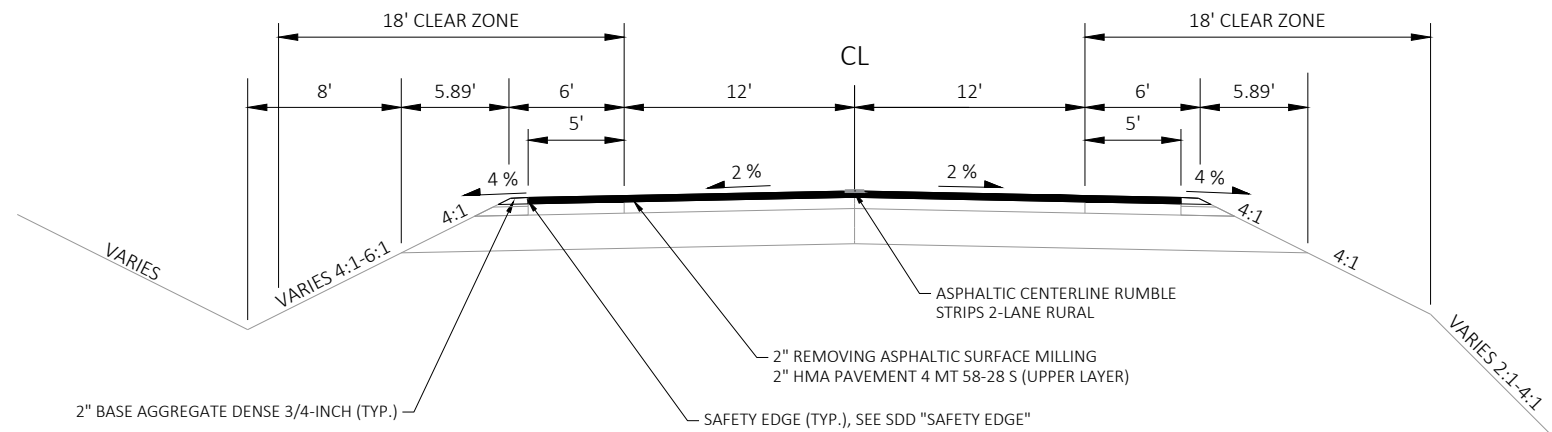
FINISHED TYPICAL SECTION

STA 503+92 - 509+21



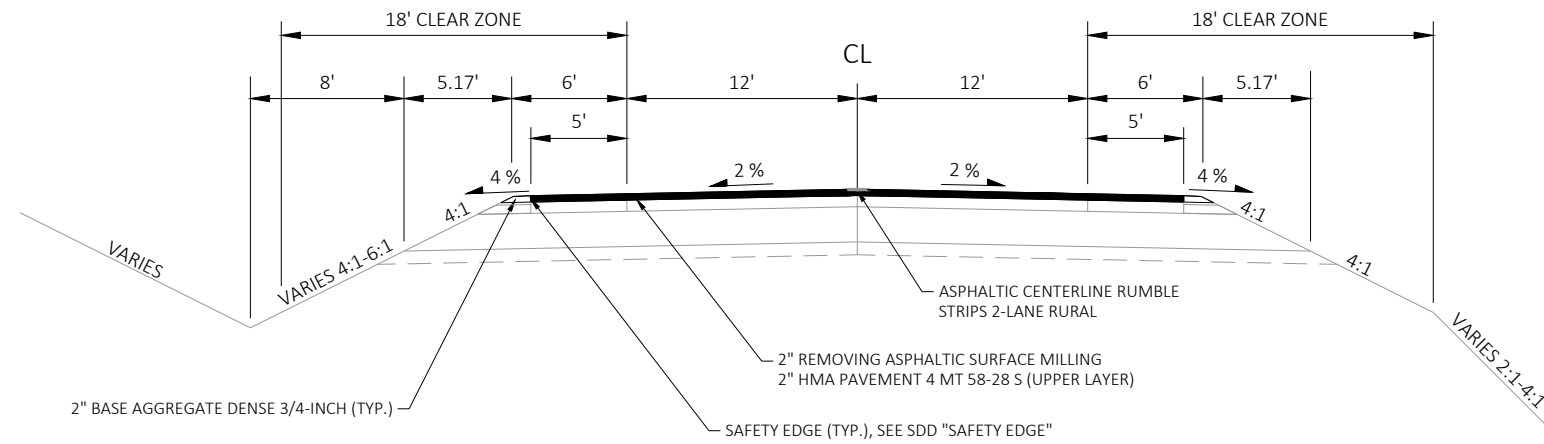
FINISHED TYPICAL SECTION

STA. 460+50 - 485+50
STA. 524+50 - 543+50
STA. 560+55 - 575+50
STA. 604+50 - 607+50
STA. 611+75 - 664+50
STA. 699+65 - 708+50

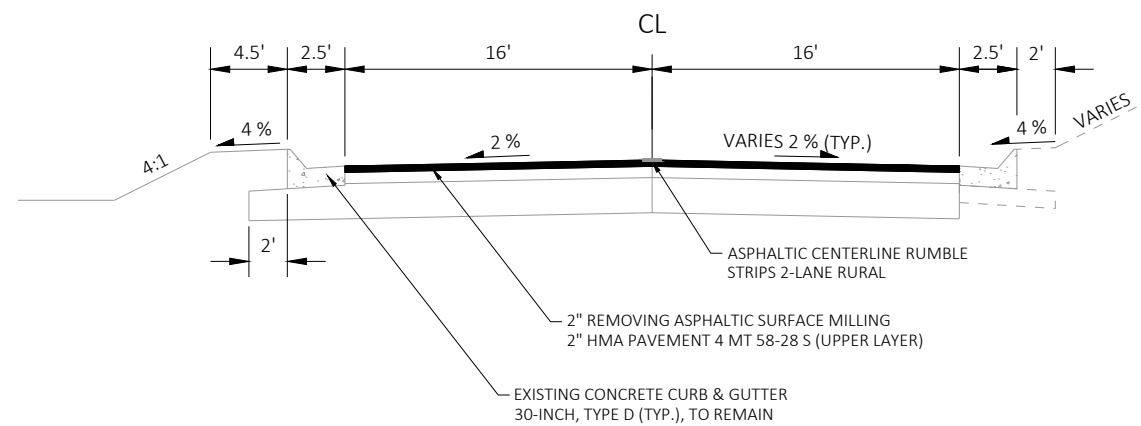


FINISHED TYPICAL SECTION

STA 720+00 - 749+50
STA 758+50 - 760+50
STA 765+50 - 775+00

**FINISHED TYPICAL SECTION**

STA 749+50 - 758+50
STA 760+50 - 765+50

**FINISHED TYPICAL SECTION**

STA 775+00 - 789+35

PROJECT NO: 5215-00-67

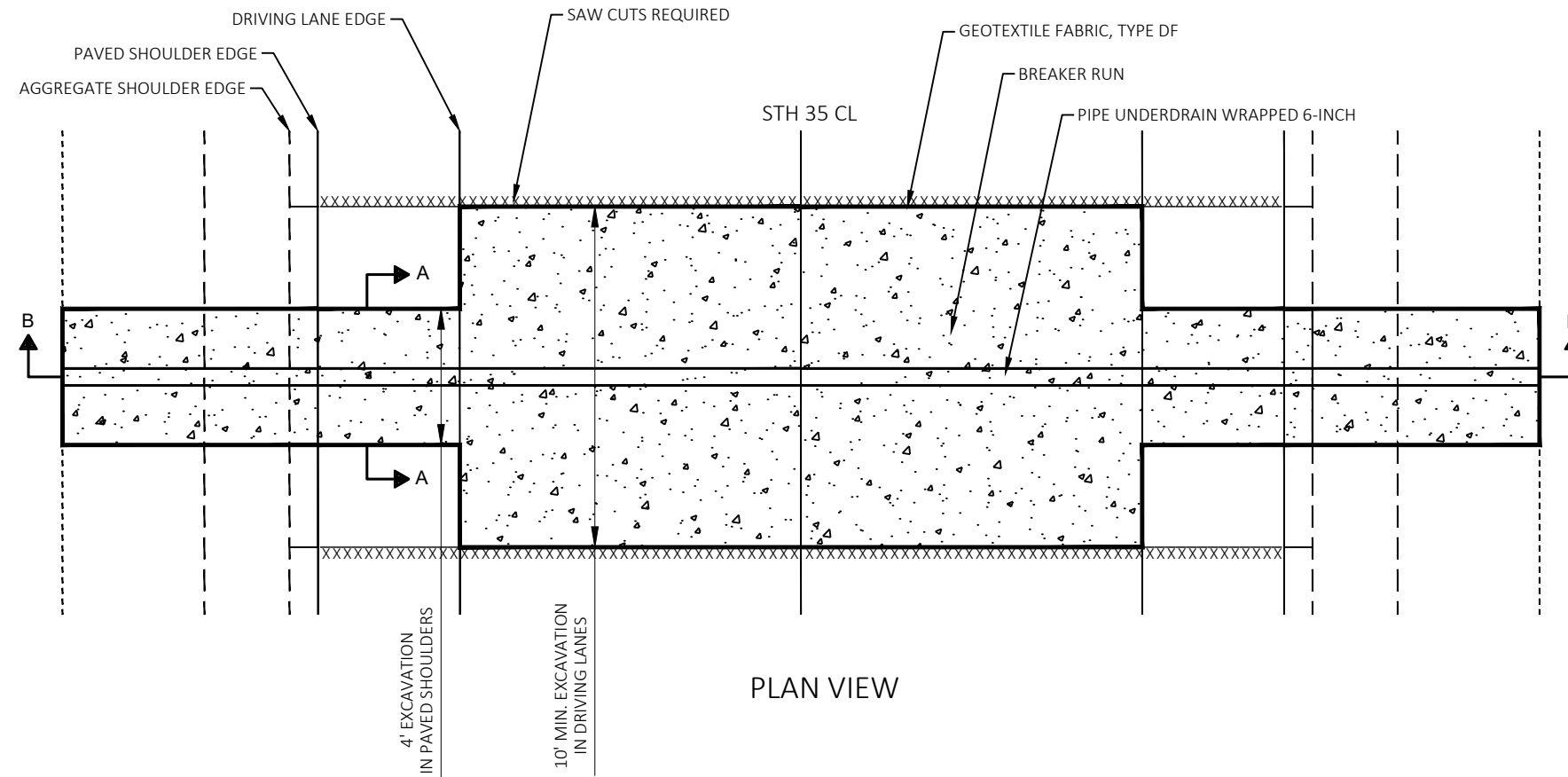
HWY: STH 35

COUNTY: GRANT

TYPICAL SECTIONS

SHEET

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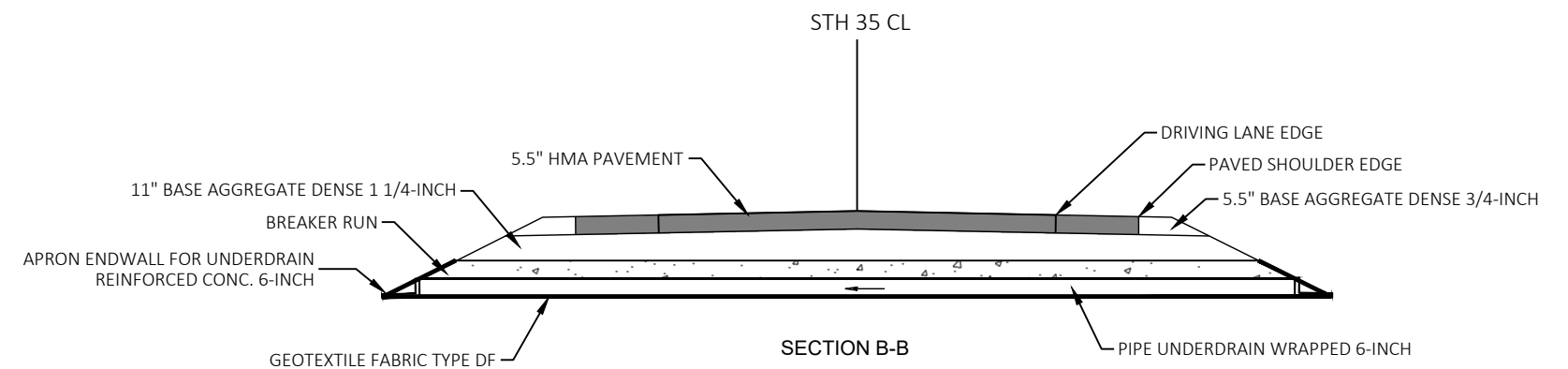
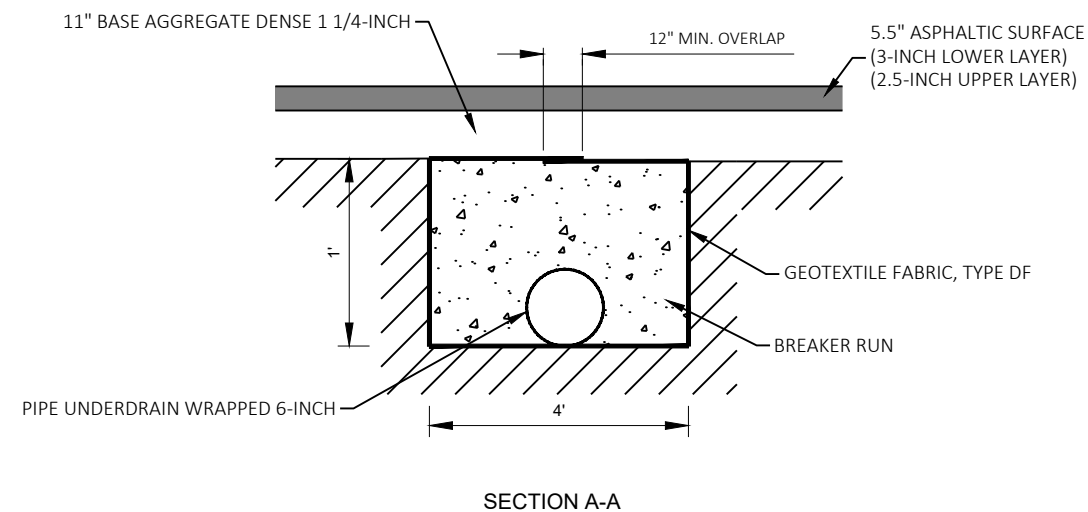


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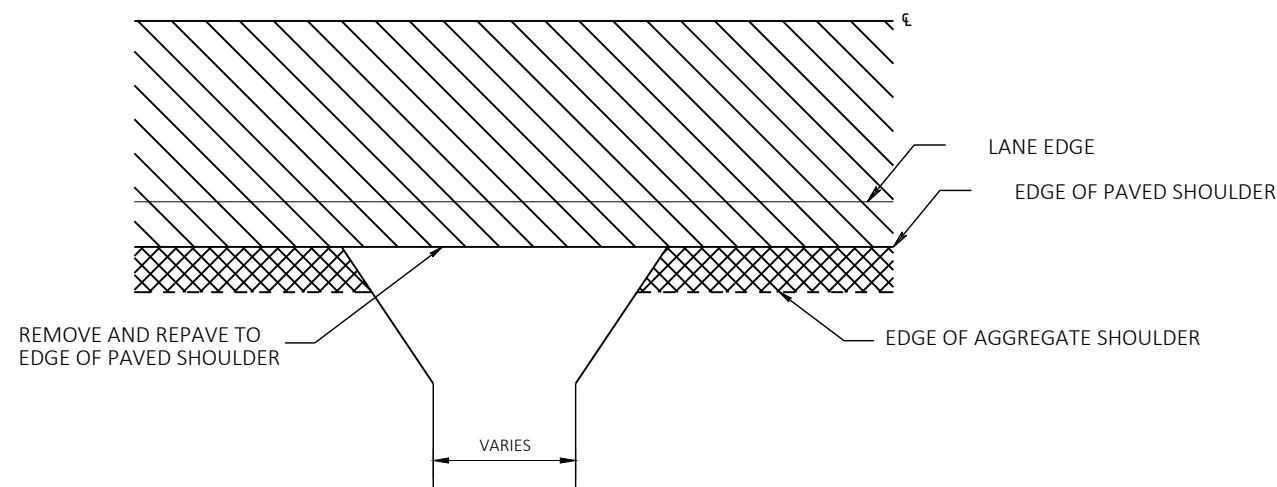
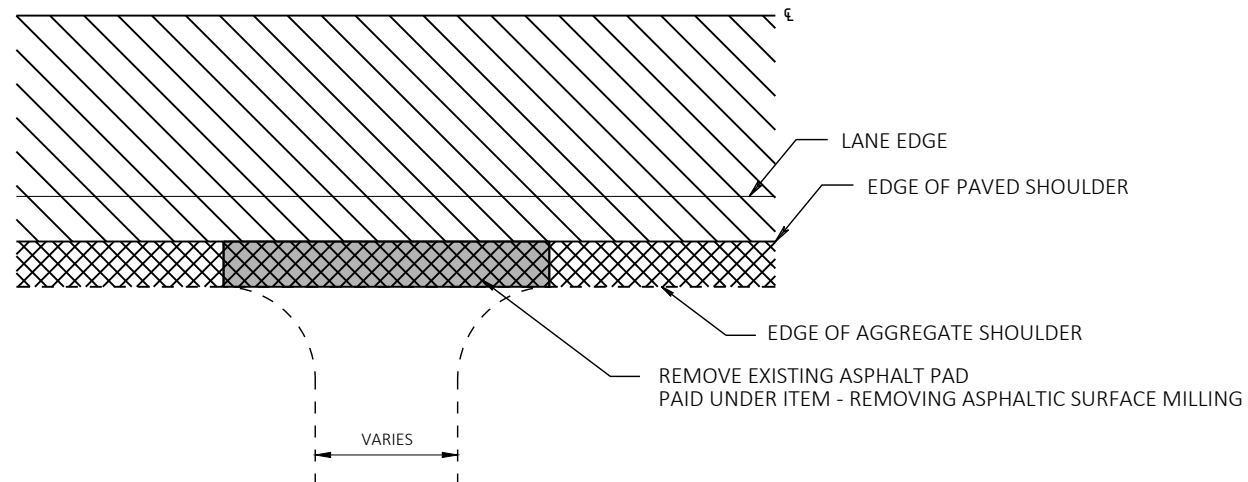
EXACT LOCATION OF PIPE UNDERDRAIN TO BE DETERMINED BY ENGINEER IN THE FIELD

SEE CROSS SECTION FOR EXISTING DITCH INFORMATION

SEE SDD "REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN"

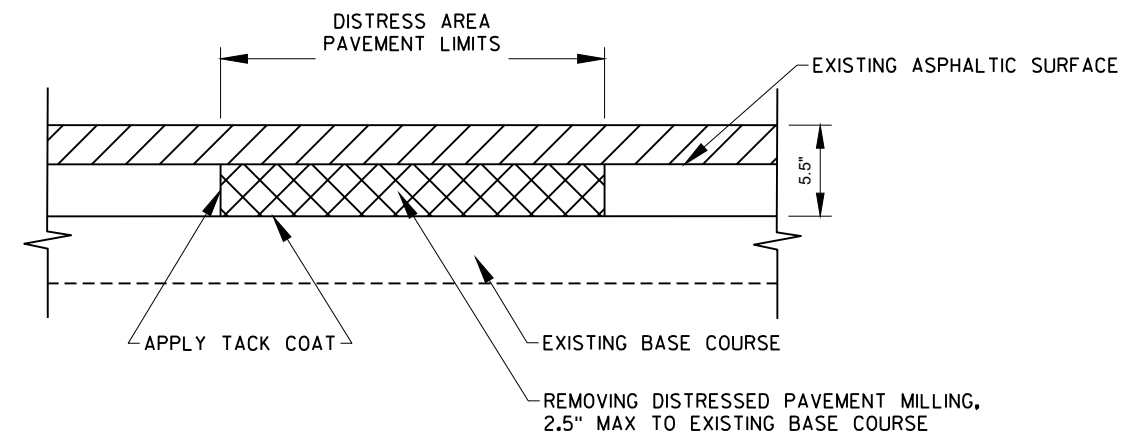


PIPE UNDERDRAIN DETAIL

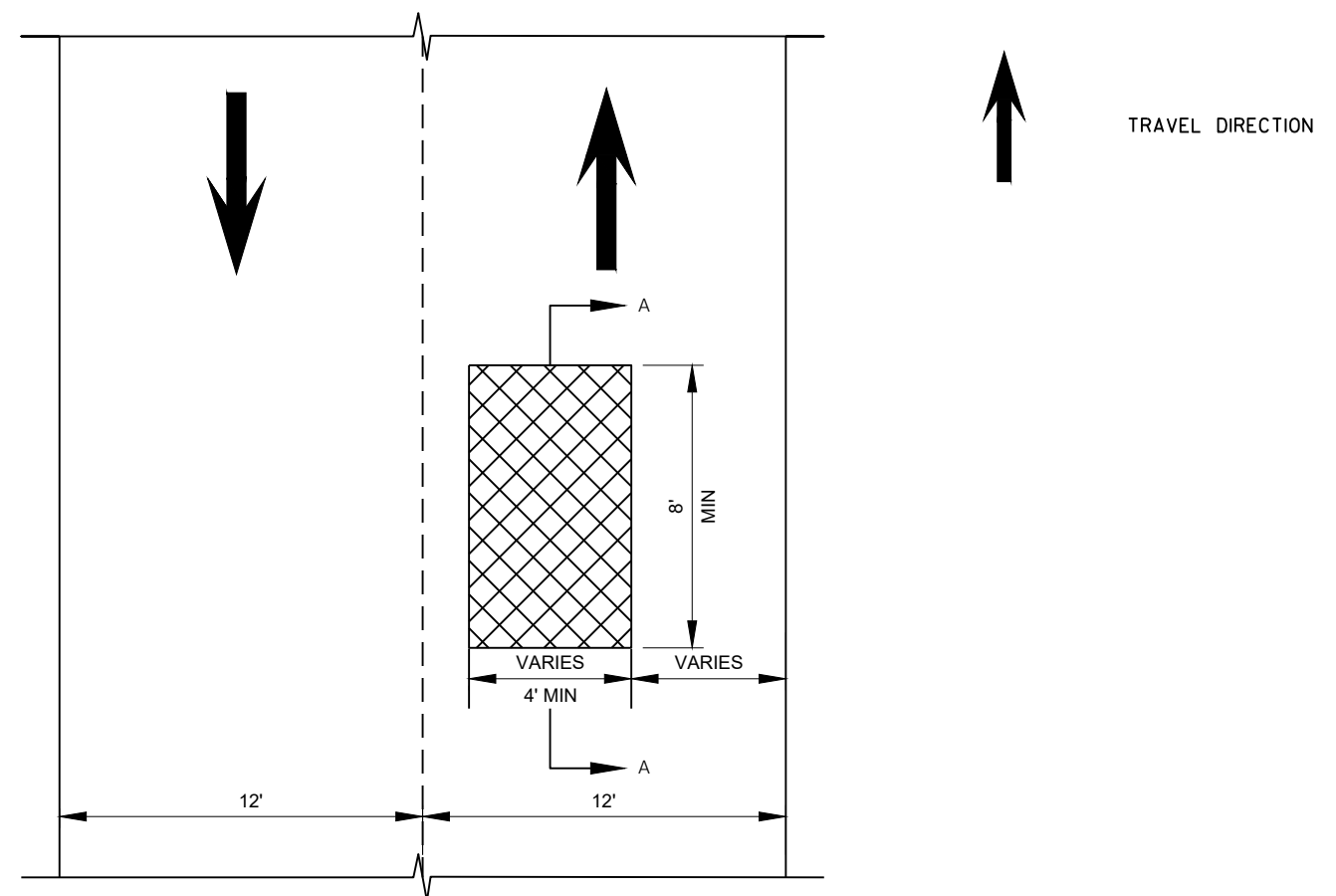
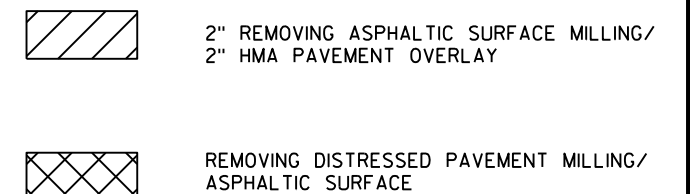


RURAL DRIVEWAY DETAIL

SEE NOTE IN MISC. QUANTITIES
REGARDING AGGREGATE DRIVEWAY &
FIELD ENTRANCE B.A.D. SIZE

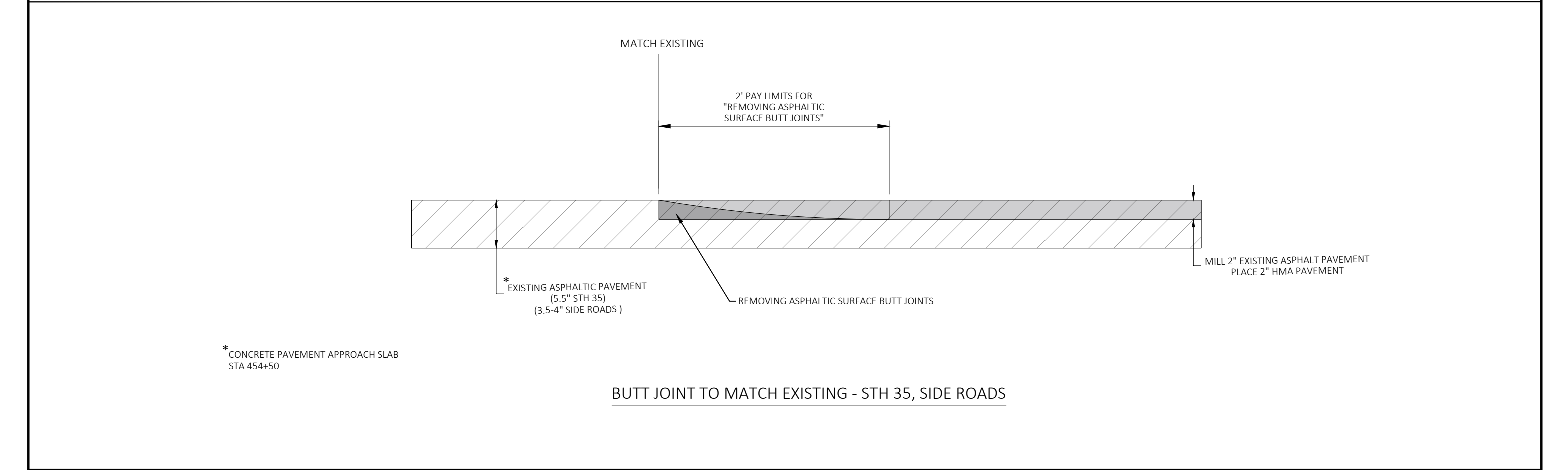
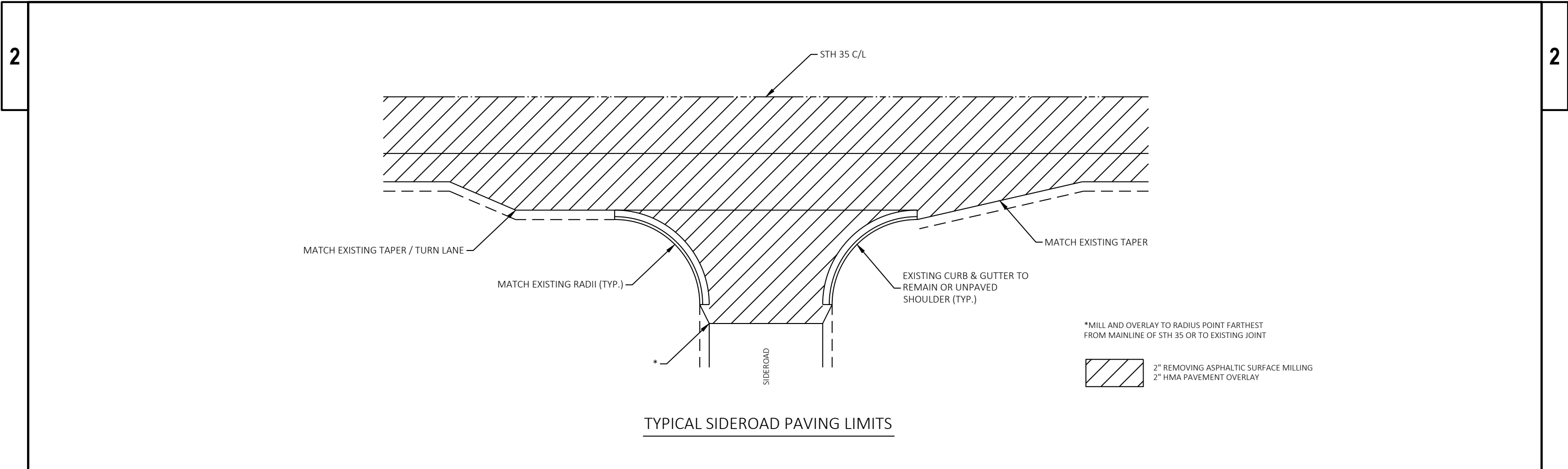


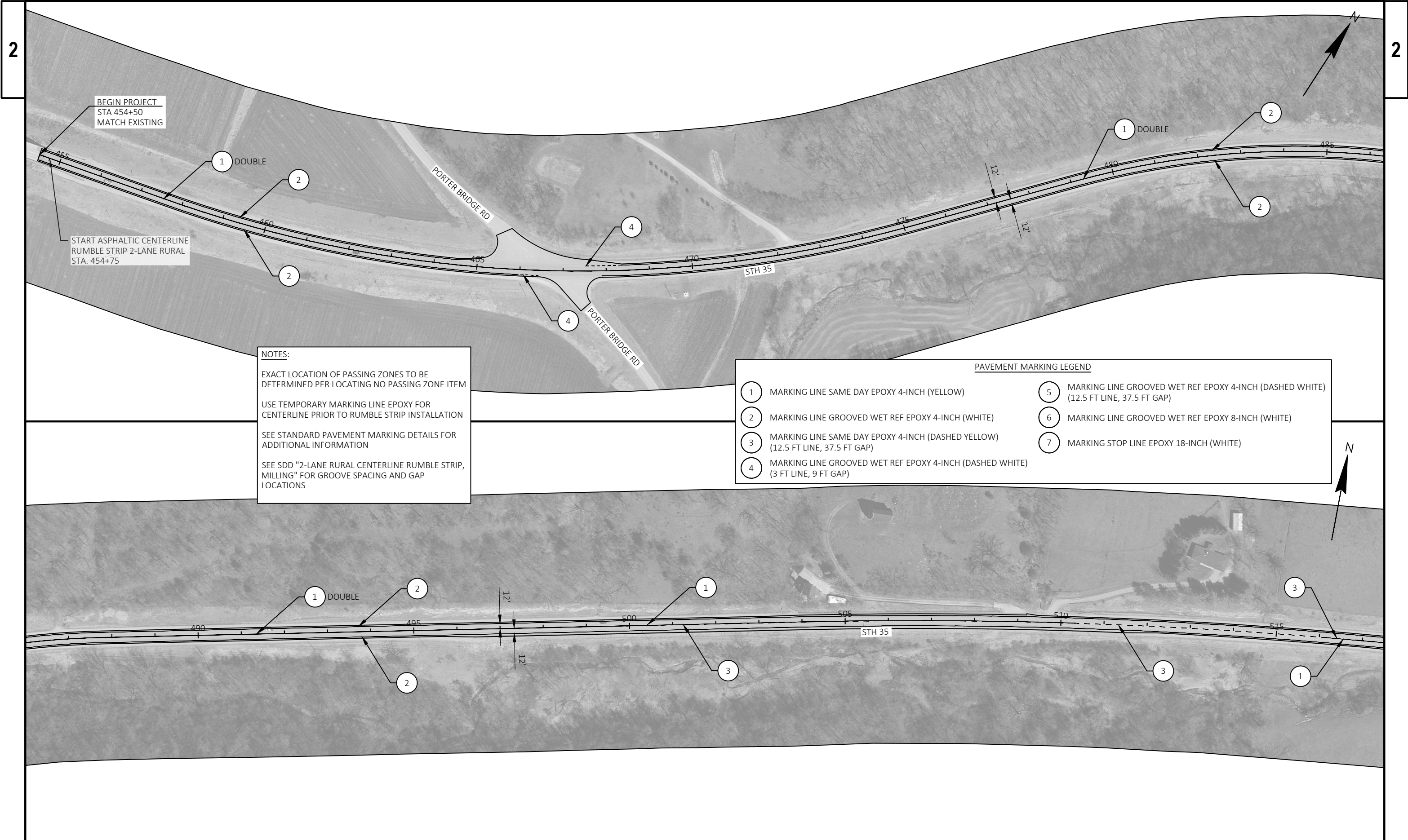
REMOVING DISTRESSED PAVEMENT MILLING
SECTION A-A



REMOVING DISTRESSED PAVEMENT MILLING
PLAN VIEW

EXACT LOCATION AND LIMITS OF REMOVING DISTRESSED
PAVEMENT MILLING TO BE DETERMINED BY THE
ENGINEER IN THE FIELD





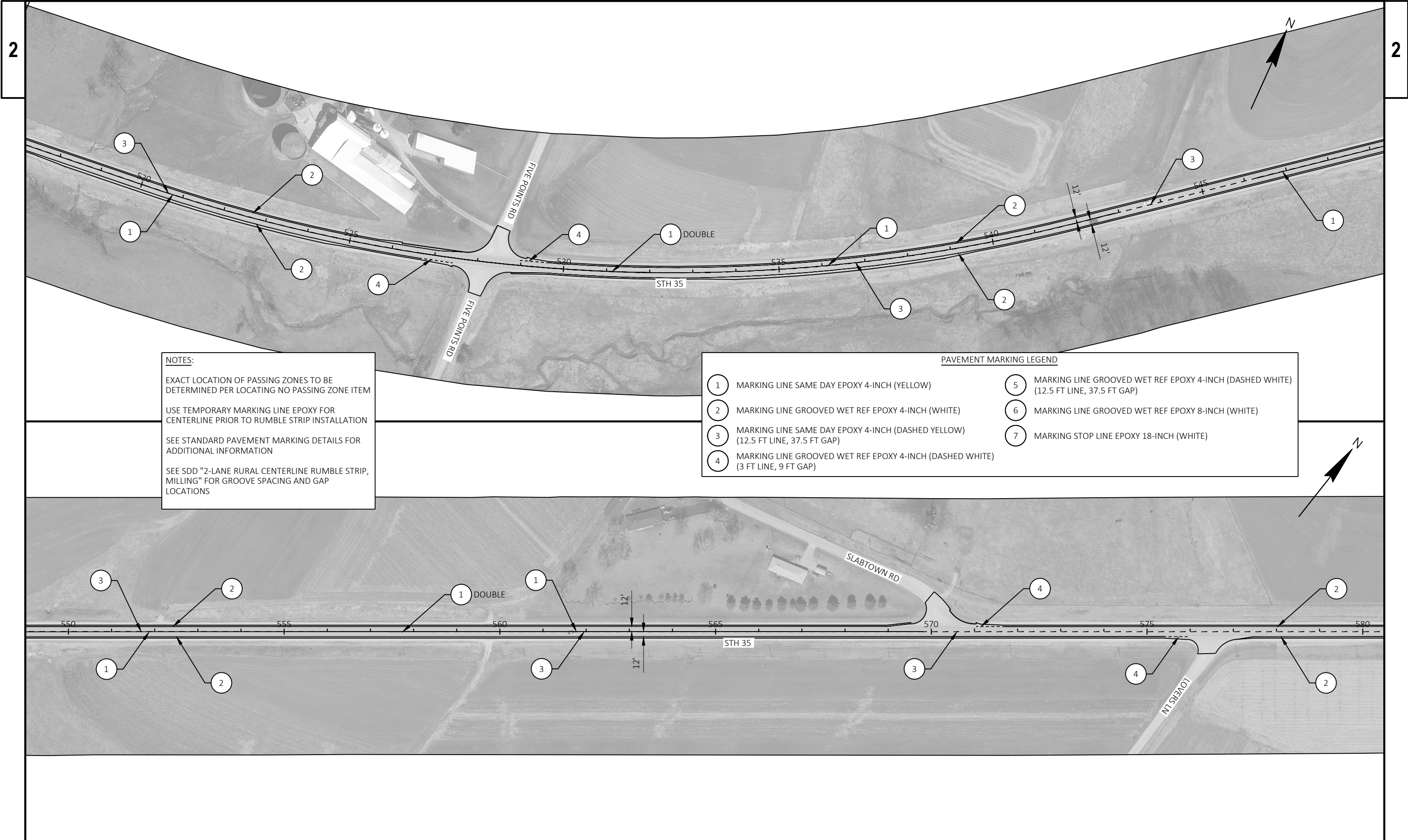
BEGIN PROJECT
STA 454+50
MATCH EXISTING

START ASPHALTIC CENTERLINE
RUMBLE STRIP 2-LANE RURAL
STA. 454+75

NOTES:
EXACT LOCATION OF PASSING ZONES TO BE
DETERMINED PER LOCATING NO PASSING ZONE ITEM
USE TEMPORARY MARKING LINE EPOXY FOR
CENTERLINE PRIOR TO RUMBLE STRIP INSTALLATION
SEE STANDARD PAVEMENT MARKING DETAILS FOR
ADDITIONAL INFORMATION
SEE SDD "2-LANE RURAL CENTERLINE RUMBLE STRIP,
MILLING" FOR GROOVE SPACING AND GAP
LOCATIONS

PAVEMENT MARKING LEGEND

- | | |
|---|---|
| 1 MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) | 5 MARKING LINE GROOVED WET REF EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE, 37.5 FT GAP) |
| 2 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) | 6 MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE) |
| 3 MARKING LINE SAME DAY EPOXY 4-INCH (DASHED YELLOW)
(12.5 FT LINE, 37.5 FT GAP) | 7 MARKING STOP LINE EPOXY 18-INCH (WHITE) |
| 4 MARKING LINE GROOVED WET REF EPOXY 4-INCH (DASHED WHITE)
(3 FT LINE, 9 FT GAP) | |



NOTES:

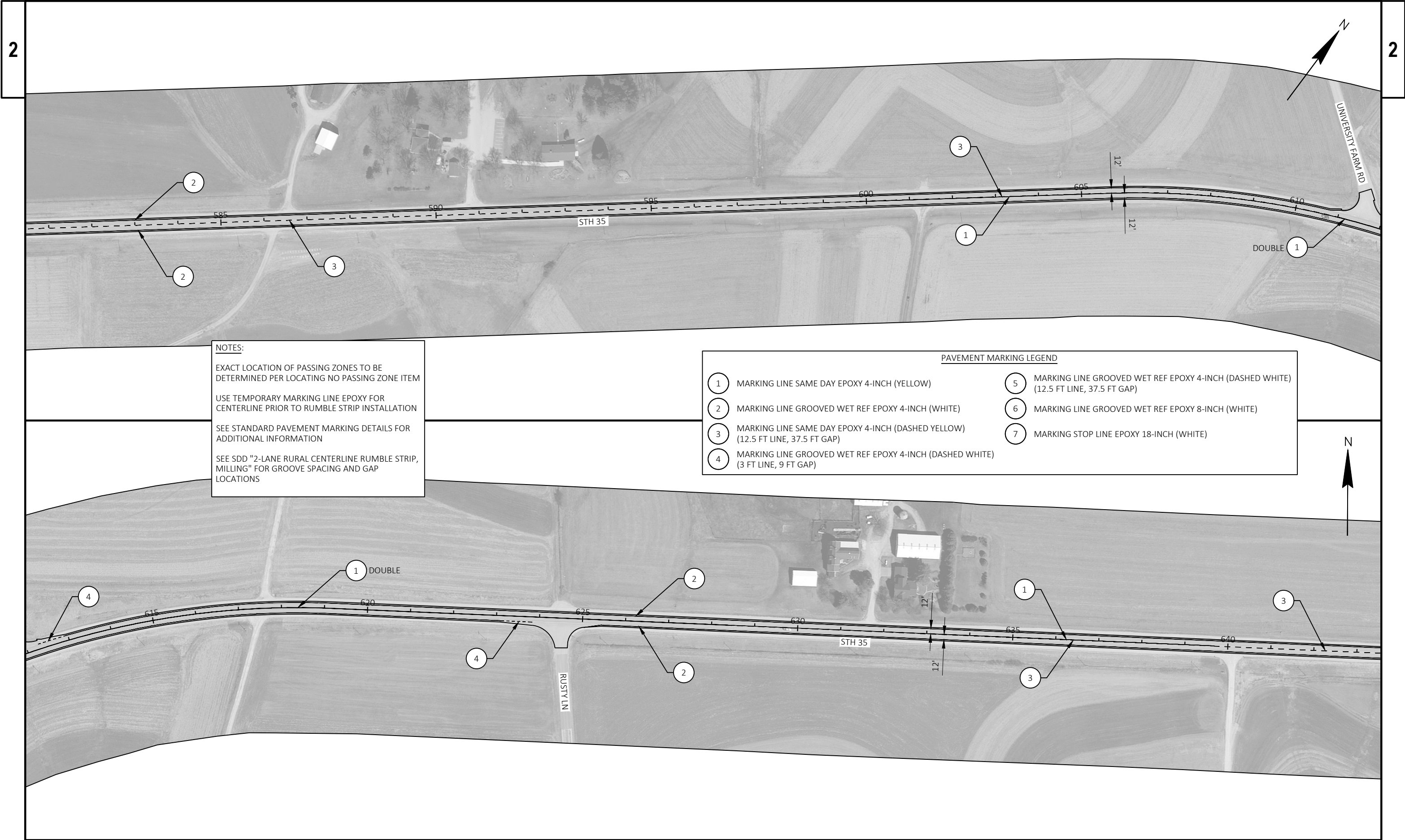
EXACT LOCATION OF PASSING ZONES TO BE DETERMINED PER LOCATING NO PASSING ZONE ITEM

USE TEMPORARY MARKING LINE EPOXY FOR CENTERLINE PRIOR TO RUMBLE STRIP INSTALLATION

SEE STANDARD PAVEMENT MARKING DETAILS FOR ADDITIONAL INFORMATION

SEE SDD "2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING" FOR GROOVE SPACING AND GAP LOCATIONS

PAVEMENT MARKING LEGEND	
1	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW)
2	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
3	MARKING LINE SAME DAY EPOXY 4-INCH (DASHED YELLOW) (12.5 FT LINE, 37.5 FT GAP)
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NOTES:

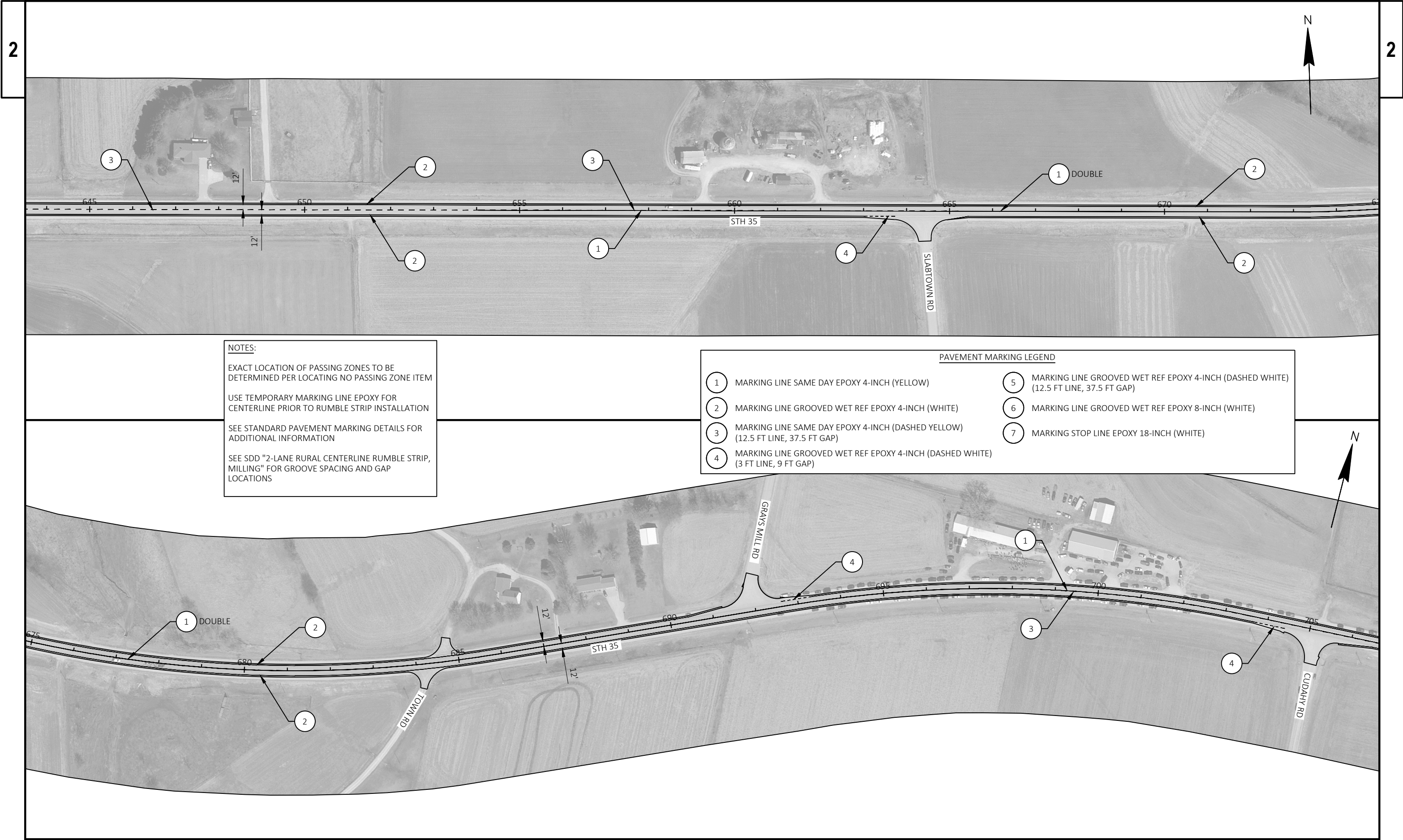
EXACT LOCATION OF PASSING ZONES TO BE DETERMINED PER LOCATING NO PASSING ZONE ITEM

USE TEMPORARY MARKING LINE EPOXY FOR CENTERLINE PRIOR TO RUMBLE STRIP INSTALLATION

SEE STANDARD PAVEMENT MARKING DETAILS FOR ADDITIONAL INFORMATION

SEE SDD "2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING" FOR GROOVE SPACING AND GAP LOCATIONS

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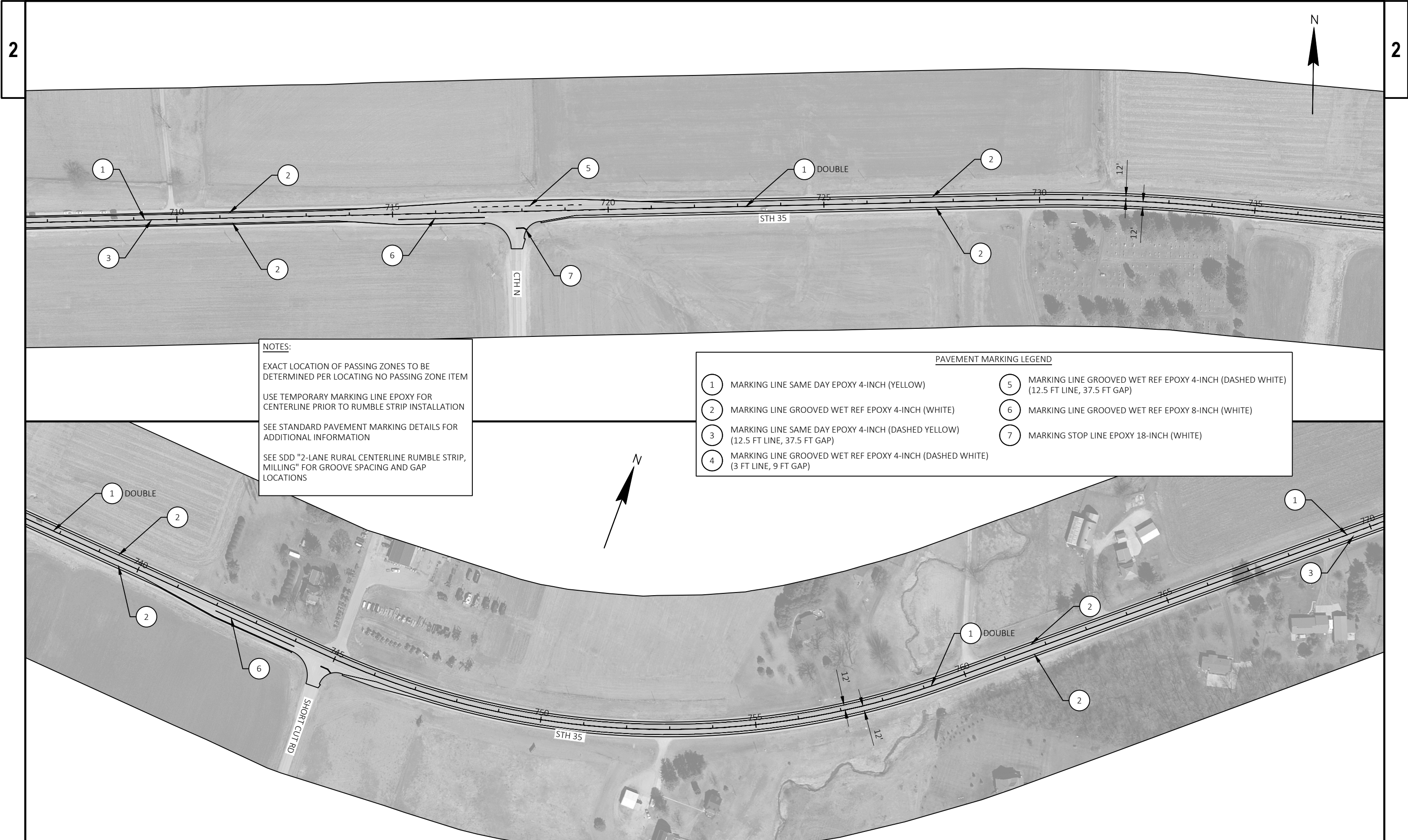
EXACT LOCATION OF PASSING ZONES TO BE DETERMINED PER LOCATING NO PASSING ZONE ITEM

USE TEMPORARY MARKING LINE EPOXY FOR CENTERLINE PRIOR TO RUMBLE STRIP INSTALLATION

SEE STANDARD PAVEMENT MARKING DETAILS FOR ADDITIONAL INFORMATION

SEE SDD "2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING" FOR GROOVE SPACING AND GAP LOCATIONS

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6	MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
7	MARKING STOP LINE EPOXY 18-INCH (WHITE)



NOTES:

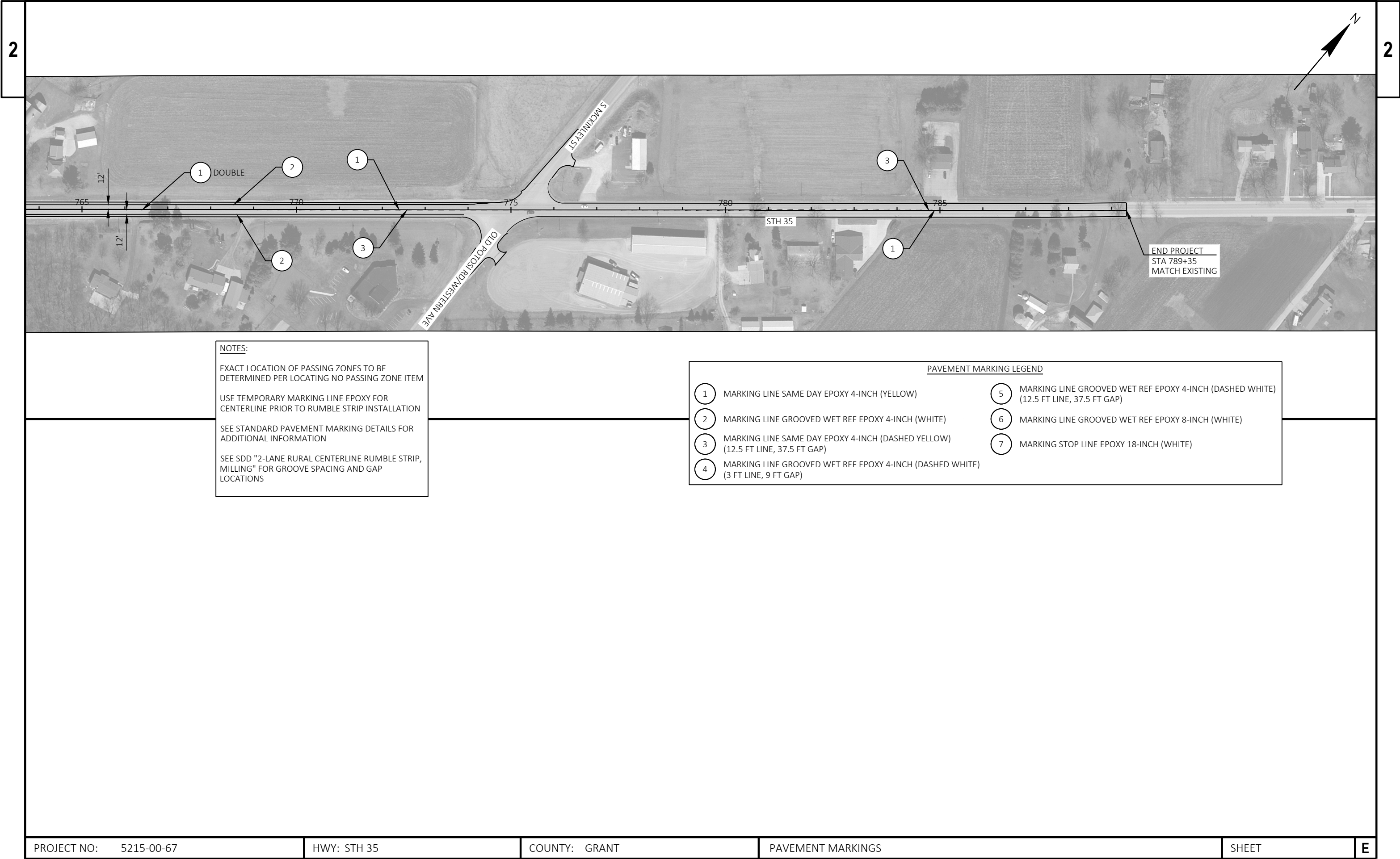
EXACT LOCATION OF PASSING ZONES TO BE DETERMINED PER LOCATING NO PASSING ZONE ITEM

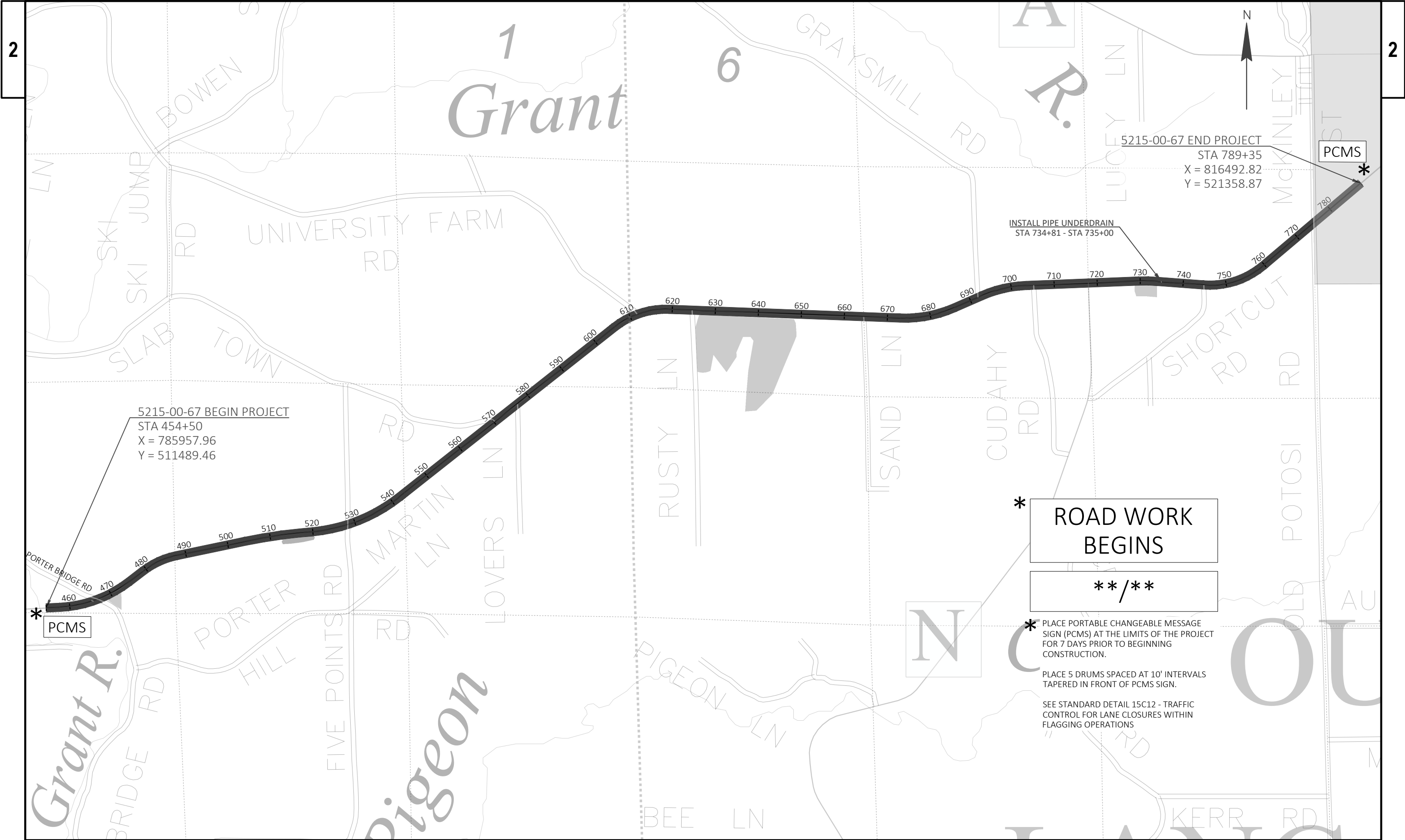
USE TEMPORARY MARKING LINE EPOXY FOR CENTERLINE PRIOR TO RUMBLE STRIP INSTALLATION

SEE STANDARD PAVEMENT MARKING DETAILS FOR ADDITIONAL INFORMATION

SEE SDD "2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING" FOR GROOVE SPACING AND GAP LOCATIONS

PAVEMENT MARKING LEGEND	
1	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW)
2	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
3	MARKING LINE SAME DAY EPOXY 4-INCH (DASHED YELLOW) (12.5 FT LINE, 37.5 FT GAP)
4	MARKING LINE GROOVED WET REF EPOXY 4-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
5	MARKING LINE GROOVED WET REF EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE, 37.5 FT GAP)
6	MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
7	MARKING STOP LINE EPOXY 18-INCH (WHITE)





PROJECT NO: 5215-00-67	HWY: STH 35	COUNTY: GRANT	TRAFFIC CONTROL - PCMS	SHEET E
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ASPHALT ITEMS													
					204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS	204.0120 REMOVING ASPHALTIC SURFACE MILLING	455.0605 TACK COAT	460.6224 HMA PAVEMENT 4 MT 58-28 S	* 465.0105 ASPHALTIC SURFACE	465.0475 ASPHALT CENTERLINE RUMBLE STRIPS 2- LANE RURAL	* 690.0150 SAWING ASPHALT	SPV.0180.01 REMOVING DISTRESSED PAVEMENT MILLING	
CATEGORY	STATION	TO	STATION	LOCATION	SY	SY	GAL	TON	TON	LF	LF	SY	REMARKS
0010	454+50	-		PROJECT START	60	-	-	-	-	-	30	-	MAINLINE
	454+50	-	773+90	RT/LT	-	125,017	8,751	14,002	-	-	-	-	
	454+75	-	464+00	CL	-	-	-	-	-	925	-	-	
	465+52	-		RT	60	-	-	-	-	-	30	-	PORTER BRIDGE RD
	467+59	-		LT	80	-	-	-	-	-	40	-	PORTER BRIDGE RD
	469+00	-	526+26	CL	-	-	-	-	-	5,726	-	-	
	528+01	-		RT	60	-	-	-	-	-	30	-	FIVE POINTS RD
	528+53	-		LT	64	-	-	-	-	-	32	-	FIVE POINTS RD
	530+25	-	568+34	CL	-	-	-	-	-	3,809	-	-	
	569+96	-		LT	66	-	-	-	-	-	33	-	SLAB TOWN RD
	572+33	-	574+56	CL	-	-	-	-	-	223	-	-	
	576+38	-		RT	84	-	-	-	-	-	42	-	LOVERS LN
	578+55	-	589+86	CL	-	-	-	-	-	1,131	-	-	
	591+86	-	609+65	CL	-	-	-	-	-	1,779	-	-	
	611+45	-		LT	60	-	-	-	-	-	30	-	UNIVERSITY FARM RD
	613+66	-	622+49	CL	-	-	-	-	-	883	-	-	
	624+52	-		LT	52	-	-	-	-	-	26	-	RUSTY LN
	626+49	-	662+39	CL	-	-	-	-	-	3,590	-	-	
	664+43	-		RT	56	-	-	-	-	-	28	-	SAND LN
	666+39	-	682+21	CL	-	-	-	-	-	1,582	-	-	
	684+12	-		RT	32	-	-	-	-	-	16	-	TOWN RD
	684+76	-		LT	40	-	-	-	-	-	20	-	TOWN RD
	686+72	-	689+75	CL	-	-	-	-	-	303	-	-	
	692+06	-		LT	60	-	-	-	-	-	30	-	GRAYS MILL RD
	693+75	-	695+82	CL	-	-	-	-	-	207	-	-	
	705+17	-		RT	60	-	-	-	-	-	30	-	CUDAHY RD
	707+17	-	715+90	CL	-	-	-	-	-	873	-	-	
	717+86	-		RT	52	-	-	-	-	-	26	-	CTH N
	719+90	-	728+67	CL	-	-	-	-	-	877	-	-	
	735+58	-	742+71	CL	-	-	-	-	-	713	-	-	NO RUMBLES AT CEMETERY
	744+78	-		RT	60	-	-	-	-	-	30	-	SHORT CUT RD
	746+71	-	772+54	CL	-	-	-	-	-	2,583	-	-	
	773+91	-		RT	44	-	-	-	-	-	22	-	WESTERN AVE
	776+64	-		LT	44	-	-	-	-	-	22	-	S MCKINLEY ST
	789+35	-		PROJECT END	64	-	-	-	-	-	32	-	MAINLINE
	UNDISTRIBUTED					-	-	-		700	-	-	6,251
TOTAL 0010					1,038	125,017	8,751	14,002	700	25,204	549	6,251	

* ADDITIONAL ASPHALTIC SURFACE QUANTITY LISTED ELSEWHERE
* ADDITIONAL SAWING ASPHALT QUANTITY LISTED ELSEWHERE

BASE AGGREGATE					305.0110 BASE AGGREGATE DENSE 3/4- INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4- INCH TON	REMARKS
0010	688+88	-		LT	-	3	DWY
	692+61	-	776+46	LT	182	-	
	696+82	-		LT	-	3	DWY
	699+11	-		LT	-	4	DWY
	700+29	-		LT	-	3	DWY
	701+74	-		LT	-	4	DWY
	705+27	-		LT	-	1	FE
	705+72	-	717+13	RT	44	-	
	709+89	-		LT	-	3	DWY
	718+44	-	744+03	RT	35	-	
	724+67	-		LT	-	1	FE
	724+72	-		RT	-	1	FE
	731+53	-		LT	-	1	FE
	745+31	-	774+46	RT	42	-	
	752+86	-		RT	-	1	DWY
	760+13	-		LT	-	1	DWY
TOTAL 0010					1,861	63	

* ADDITIONAL B.A.D 1 1/4 QUANTITY LISTED ELSEWHERE
 ** CONTRACTOR CAN USE 3/4-INCH FOR DWY/FEs. SEE NOTES TO CONTRACTOR FOR EXPLANATION

ROADWAY ITEMS

		211.0100.01		213.0100.01			
		PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT)		FINISHING ROADWAY (PROJECT)			
CATEGORY	STATION	TO	STATION	LOCATION	LS	EACH	REMARKS
0010	454+50	-	789+35	PROJECT	1	1	
TOTAL 0010					1	1	

FIELD OFFICE

					642.5001	
					FIELD OFFICE TYPE	
					B	
CATEGORY	STATION	TO	STATION	LOCATION	EACH	REMARKS
0010	PROJECT			5215-00-67	1	
TOTAL 0010					1	

STAKING

					650.6000	650.8000	650.9910.01	
					CONSTRUCTION STAKING PIPE CULVERTS	CONSTRUCTION STAKING RESURFACING REFERENCE	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT)	
CATEGORY	STATION	TO	STATION	LOCATION	EACH	LF	LS	REMARKS
0010	454+50	-	789+35	RT & LT	-	33,485	1	
	734+81	-	735+00	RT & LT	1	-	-	
TOTAL 0010					1	33,485	1	

WATER

					624.0100	
CATEGORY	STATION	TO	STATION	LOCATION	WATER MGAL	REMARKS
0010	PROJECT			5215-00-67	22	
TOTAL 0010					22	

TRAFFIC CONTROL

CATEGORY	STATION	TO	STATION	LOCATION	643.0300 DRUMS		* 643.0900 SIGNS		643.1050 SIGNS PCMS		643.5000 TRAFFIC CONTROL		REMARKS
					EACH	DAY	EACH	DAY	EACH	DAY	EACH		
0010	454+50	-	789+35	PROJECT START/END	10	70	-	-	2	14	-		PRE-CONSTRUCTION
	454+50	-	789+35	PROJECT	-	-	25	1650	-	-	1		PROJECT DURATION
	734+81	-	735+00	LT/RT	15	15	4	4	-	-	-		PIPE UNDERDRAIN
TOTAL 0010					85		1,654		14		1		

* SEE SDD "Traffic Control, Advance Warning Signs 45 MPH or Greater Undivided Road Open to Traffic"

PIPE UNDERDRAIN

					205.0100		* 305.0120		312.0110		465.0105		612.0406		612.0806		633.5200		645.0111		* 690.0150	
CATEGORY	STATION	TO	STATION	LOCATION	EXCAVATION	BASE AGGREGATE	SELECT CRUSHED	ASPHALTIC	PIPE UNDERDRAIN	APRON ENDWALLS	MARKERS	GEOTEXTILE TYPE	SAWING ASPHALT	REMARKS								
					COMMON	DENSE 1 1/4-INCH	MATERIAL	SURFACE	WRAPPED 6-INCH	FOR UNDERDRAIN	CULVERT END	DF SCHEDULE A	LF									
					CY	TON	TON	TON	LF	CONCRETE 6-INCH	EACH	SY										
0010	734+81	-	735+00		6	-	-	-	-	-	-	-	72	PAVEMENT REMOVAL								
	734+81	-	735+00		12	-	-	-	-	-	-	-	-	SUBBASE REMOVAL								
	734+81	-	735+00		-	24	27	12	63	2	2	43	-	INSTALLATION								
TOTAL 0010					18	24	27	12	63	2	2	43	72									

* ADDITIONAL B.A.D 1 1/4 QUANTITY LISTED ELSEWHERE
* ADDITIONAL SAWING ASPHALT QUANTITY LISTED ELSEWHERE

MONUMENTS

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0060.01 VERIFY LANDMARK REFERENCE MONUMENTS		SPV.0060.02 LANDMARK REFERENCE MONUMENTS SPECIAL		REMARKS
					EACH		EACH		
0010	457+64	-		44.3' RT	1		-		DH513
	571+49	-		56.3' RT	1		-		NJ0965
	718+33	-		0.5' LT	1		1		CTH N SECTION CORNER
TOTAL 0010					3		1		

PAVEMENT MARKINGS

CATEGORY	STATION	TO	STATION	LOCATION	646.1040	646.3040	646.4520	646.6120	648.0100	*	REMARKS
					MARKING LINE	MARKING LINE	MARKING LINE	MARKING STOP LINE	LOCATING NO-	649.0120	
					GROOVED WET REF EPOXY 4-INCH WHITE LF	GROOVED WET REF EPOXY 8-INCH WHITE LF	SAME DAY EPOXY 4-INCH YELLOW LF	EPOXY 18-INCH WHITE LF	PASSING ZONES YELLOW MI	TEMPORARY MARKING LINE EPOXY 4-INCH YELLOW LF	
0010	454+50	-	465+10	LT	1,060	-	-	-	-	-	EDGE LINE
	454+50	-	466+02	RT	1,152	-	-	-	-	-	EDGE LINE
	454+50	-	499+93	CL	-	-	9,086	-	-	9,086	DOUBLE YELLOW
	454+50	-	789+35	CL	-	-	-	-	6.35	-	
	466+02	-	466+43	RT	10	-	-	-	-	-	DASHED
	467+53	-	468+36	LT	21	-	-	-	-	-	DASHED
	467+89	-	526+68	RT	5,879	-	-	-	-	-	EDGE LINE
	468+36	-	527+68	LT	5,932	-	-	-	-	-	EDGE LINE
	499+93	-	510+34	CL	-	-	1,301	-	-	1,301	EB PASSING ONLY
	510+34	-	516+13	CL	-	-	145	-	-	145	PASSING
	516+13	-	526+77	CL	-	-	1,329	-	-	1,329	WB PASSING ONLY
	526+68	-	527+43	RT	19	-	-	-	-	-	DASHED
	526+77	-	532+77	CL	-	-	1,201	-	-	1,201	DOUBLE YELLOW
	528+81	-	575+38	RT	4,658	-	-	-	-	-	EDGE LINE
	529+14	-	529+64	LT	12	-	-	-	-	-	DASHED
	529+64	-	569+52	LT	3,988	-	-	-	-	-	EDGE LINE
	532+77	-	542+90	CL	-	-	1,266	-	-	1,266	EB PASSING ONLY
	542+90	-	546+32	CL	-	-	86	-	-	86	PASSING
	546+32	-	557+45	CL	-	-	1,391	-	-	1,391	WB PASSING ONLY
	557+45	-	558+45	CL	-	-	200	-	-	200	DOUBLE YELLOW
	558+45	-	569+82	CL	-	-	1,421	-	-	1,421	EB PASSING ONLY
	569+82	-	599+84	CL	-	-	751	-	-	751	PASSING
	571+04	-	571+68	LT	16	-	-	-	-	-	DASHED
	571+68	-	611+04	LT	3,936	-	-	-	-	-	EDGE LINE
	575+38	-	575+93	RT	14	-	-	-	-	-	DASHED
	577+08	-	623+08	RT	4,600	-	-	-	-	-	EDGE LINE
	599+84	-	611+04	CL	-	-	1,400	-	-	1,400	WB PASSING ONLY
	611+04	-	628+38	CL	-	-	3,468	-	-	3,468	DOUBLE YELLOW
	612+29	-	612+96	LT	17	-	-	-	-	-	DASHED
	612+96	-	691+24	LT	7,828	-	-	-	-	-	EDGE LINE

QUANTITIES CONTINUED ON NEXT PAGE

PAVEMENT MARKINGS

						646.1040	646.3040	646.4520	646.6120	648.0100	*	REMARKS
						MARKING LINE	MARKING LINE	MARKING LINE	MARKING STOP	LOCATING NO- PASSING ZONES	649.0120	
						GROOVED WET	GROOVED WET	SAME DAY EPOXY	LINE EPOXY 18-		TEMPORARY	
CATEGORY	STATION	TO	STATION	LOCATION		REF EPOXY 4-INCH WHITE LF	REF EPOXY 8-INCH WHITE LF	4-INCH YELLOW LF	INCH WHITE LF	YELLOW MI	EPOXY 4-INCH YELLOW LF	
0010	623+08	-	623+83	RT		19	-	-	-	-	-	DASHED
	625+04	-	663+01	RT		3,797	-	-	-	-	-	EDGE LINE
	628+38	-	639+69	CL		-	-	1,414	-	-	1,414	EB PASSING ONLY
	639+69	-	654+04	CL		-	-	359	-	-	359	PASSING
	654+04	-	665+20	CL		-	-	1,395	-	-	1,395	WB PASSING ONLY
	663+01	-	663+73	RT		18	-	-	-	-	-	DASHED
	664+94	-	703+67	RT		3,874	-	-	-	-	-	EDGE LINE
	665+20	-	698+10	CL		-	-	6,580	-	-	6,580	DOUBLE YELLOW
	692+61	-	693+36	LT		19	-	-	-	-	-	DASHED
	693+36	-	774+80	LT		8,144	-	-	-	-	-	EDGE LINE
	698+10	-	720+94	CL		-	-	2,855	-	-	2,855	EB PASSING ONLY
	703+67	-	704+42	RT		19	-	-	-	-	-	DASHED
	705+72	-	717+13	RT		1,141	-	-	-	-	-	EDGE LINE
	715+13	-	717+13	RT		-	200	-	25	-	-	TURN LANE - CTH N
	716+88	-	719+38	LT		63	-	-	-	-	-	BY PASS LANE - DASHED
	718+44	-	744+03	RT		2,560	-	-	-	-	-	EDGE LINE
	720+94	-	769+08	CL		-	-	9,628	-	-	9,628	DOUBLE YELLOW
	742+03	-	744+03	RT		-	200	-	30	-	-	TURN LANE - SHORTCUT RD
	745+31	-	773+90	RT		2,859	-	-	-	-	-	EDGE LINE
	769+08	-	780+67	CL		-	-	1,448	-	-	1,448	EB PASSING ONLY
	780+67	-	789+35	CL		-	-	1,085	-	-	1,085	WB PASSING ONLY
TOTAL 0010						39,140	400	23,044	55	6.35	23,044	

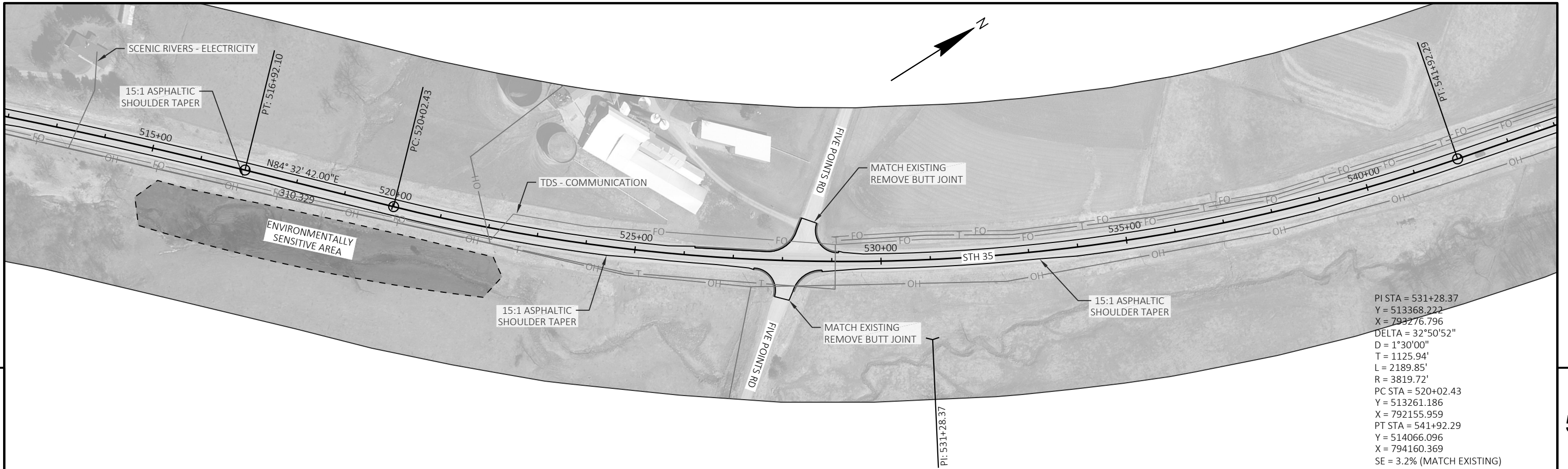
QUANTITIES CONTINUED FROM PREVIOUS PAGE

* TO BE USED ON HMA FINAL SURFACE BEFORE PLACEMENT OF CENTERLINE RUMBLE STRIPS OR AS DIRECTED BY THE FIELD ENGINEER

INCENTIVES											
				460.0105.S	460.0110.S	460.2005	460.2007	460.2010	740.0440		
				HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS EACH	HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY EACH	INCENTIVE DENSITY PWL HMA PAVEMENT DOL	INCENTIVE DENSITY HMA PAVEMENT LONGITUDINAL JOINTS DOL	INCENTIVE AIR VOIDS HMA PAVEMENT DOL	INCENTIVE IRI RIDE DOL		
CATEGORY	STATION	TO	STATION	LOCATION						REMARKS	
0010	454+50	-	789+35		1	1	13,987	13,394	10,123	25,367	
				TOTAL 0010	1	1	13,987	13,394	10,123	25,367	

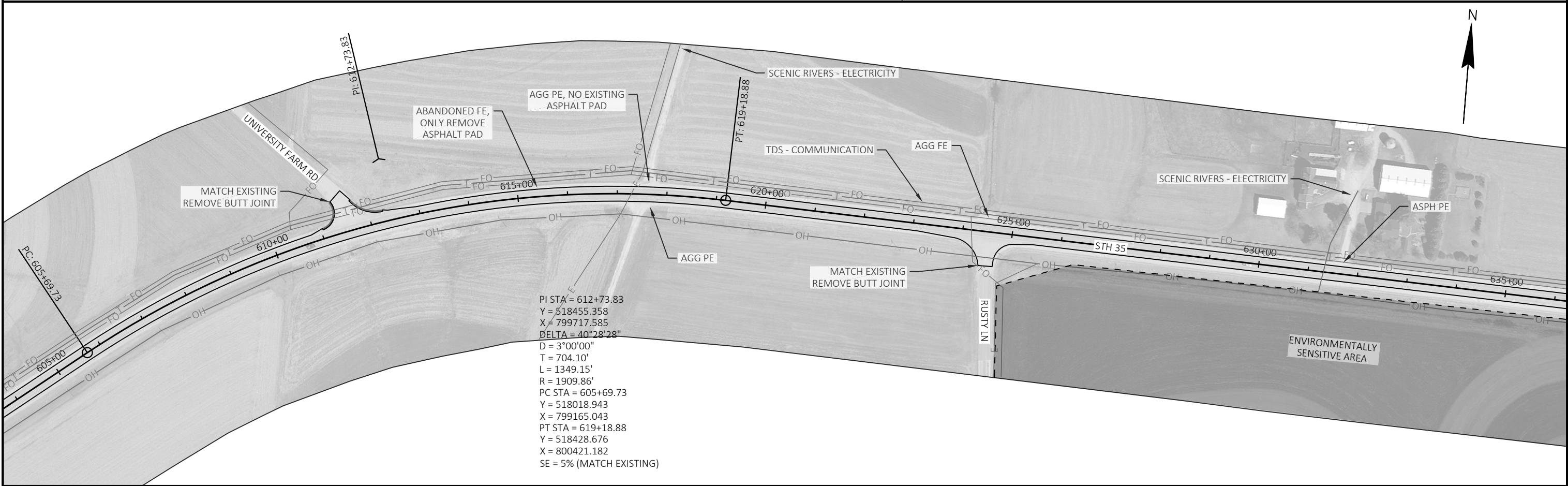
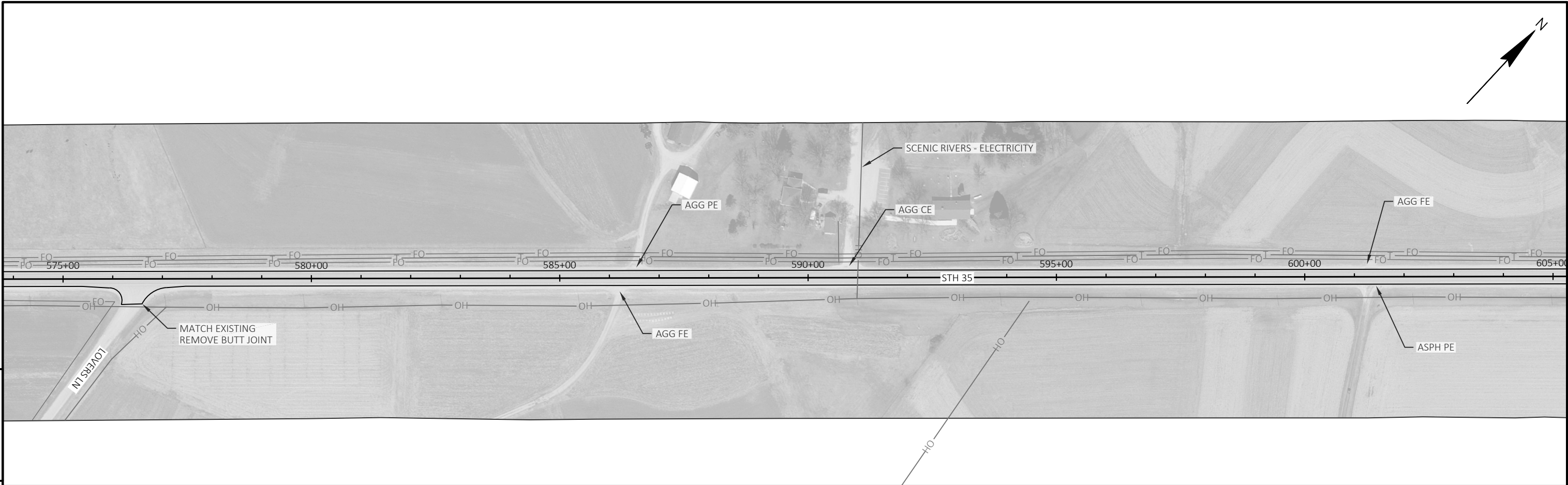
5215-00-67 PWL MIXTURE USE TABLE

Location	Station		Underlying Surface	Bid Item	Tons	Thickness	Quality Management Program to be used for:	
	From	To					Mixture Acceptance	Density Acceptance
2 x 12 foot driving lanes	454+50	503+92	Milled Existing Asphaltic Surface	4 MT 58-28 S	1471	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
3 foot shoulders + intersections	454+50	503+92	Milled Existing Asphaltic Surface	4 MT 58-28 S	576	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by department; Not eligible for incentive
2 x 12 foot driving lanes	503+92	509+21	Milled Existing Asphaltic Surface	4 MT 58-28 S	158	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
5 foot shoulders + intersections	503+92	509+21	Milled Existing Asphaltic Surface	4 MT 58-28 S	66	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by department; Not eligible for incentive
2 x 12 foot driving lanes	509+21	720+00	Milled Existing Asphaltic Surface	4 MT 58-28 S	6277	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
3 foot shoulders + intersections + passing lane	509+21	720+00	Milled Existing Asphaltic Surface	4 MT 58-28 S	2261	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by department; Not eligible for incentive
2 x 12 foot driving lanes	720+00	775+00	Milled Existing Asphaltic Surface	4 MT 58-28 S	1648	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
5 foot shoulders + intersections	720+00	775+00	Milled Existing Asphaltic Surface	4 MT 58-28 S	859	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by department; Not eligible for incentive
2 x 16 foot driving lanes	775+00	789+35	Milled Existing Asphaltic Surface	4 MT 58-28 S	569	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Intersections	775+00	789+35	Milled Existing Asphaltic Surface	4 MT 58-28 S	102	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by department; Not eligible for incentive

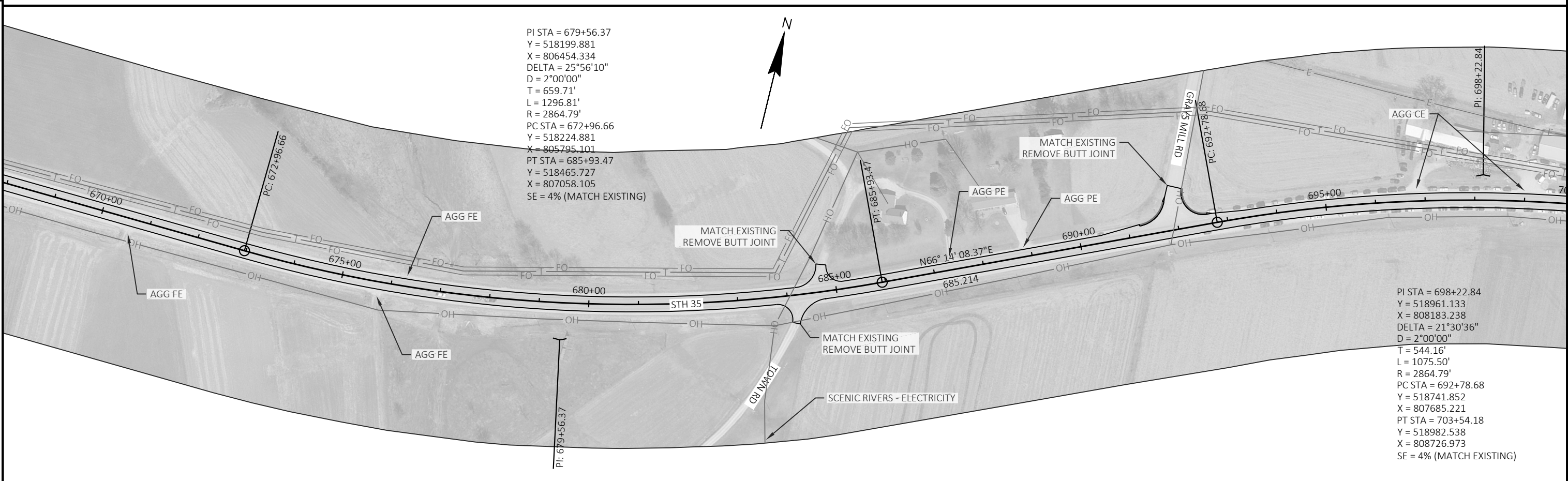


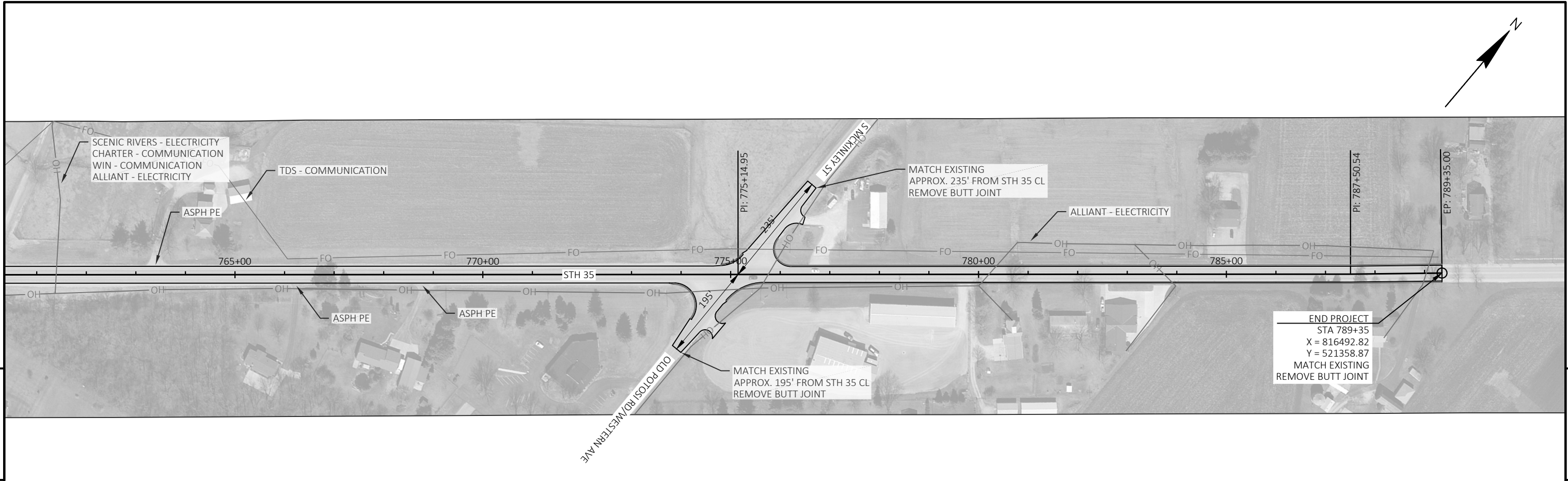
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Y = 513368.222
X = 793276.796
DELTA = 32°50'52"
D = 1°30'00"
T = 1125.94'
L = 2189.85'
R = 3819.72'
PC STA = 520+02.43
Y = 513261.186
X = 792155.959
PT STA = 541+92.29
Y = 514066.096
X = 794160.369
SE = 3.2% (MATCH EXISTING)

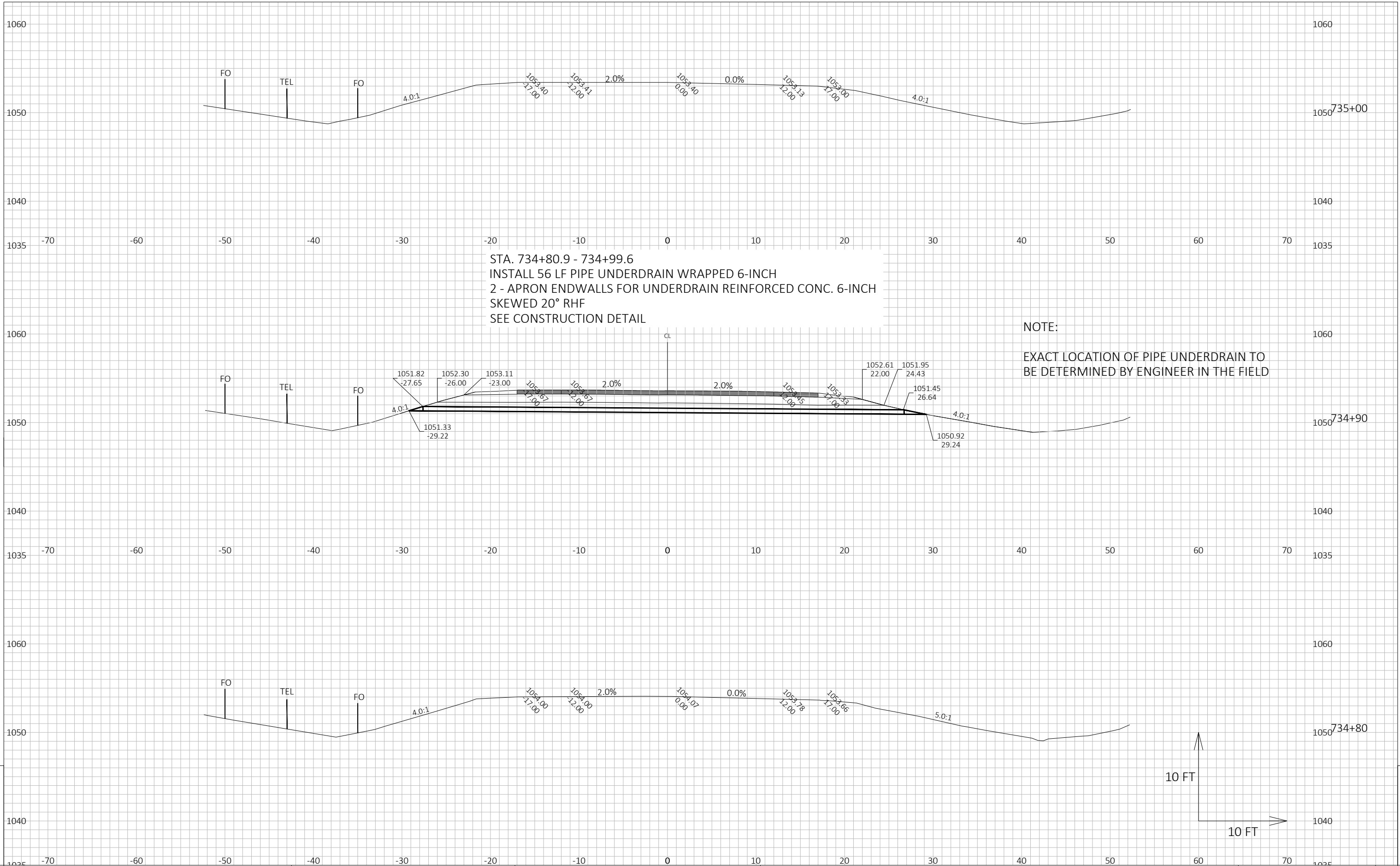




PROJECT NO: 5215-00-67	HWY: STH 35	COUNTY: GRANT	PLAN DETAILS	SHEET	E
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PROJECT NO: 5215-00-67	HWY: STH 35	COUNTY: GRANT	CROSS SECTIONS: PIPE UNDERDRAIN 734+81 - 735+00	SHEET	E
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