

wis August 2019

PROJECT ID: 6590-02-75

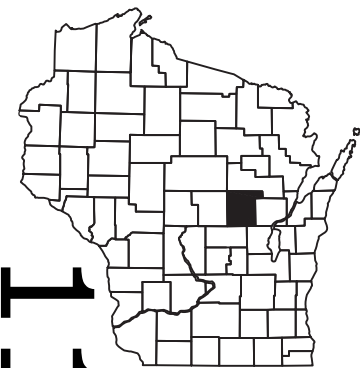
WITH: N/A

COUNTY: WAUPACA

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 = 74



DESIGN DESIGNATION

A.A.D.T. (2019)	=	5,800
A.A.D.T. (2029)	=	6,400
D.H.V. (2039)	=	778
D.D.	=	60/40
T.	=	20.2%
DESIGN SPEED	=	55 MPH
ESALS	=	2,525,800

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	

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

WAUPACA - CLINTONVILLE

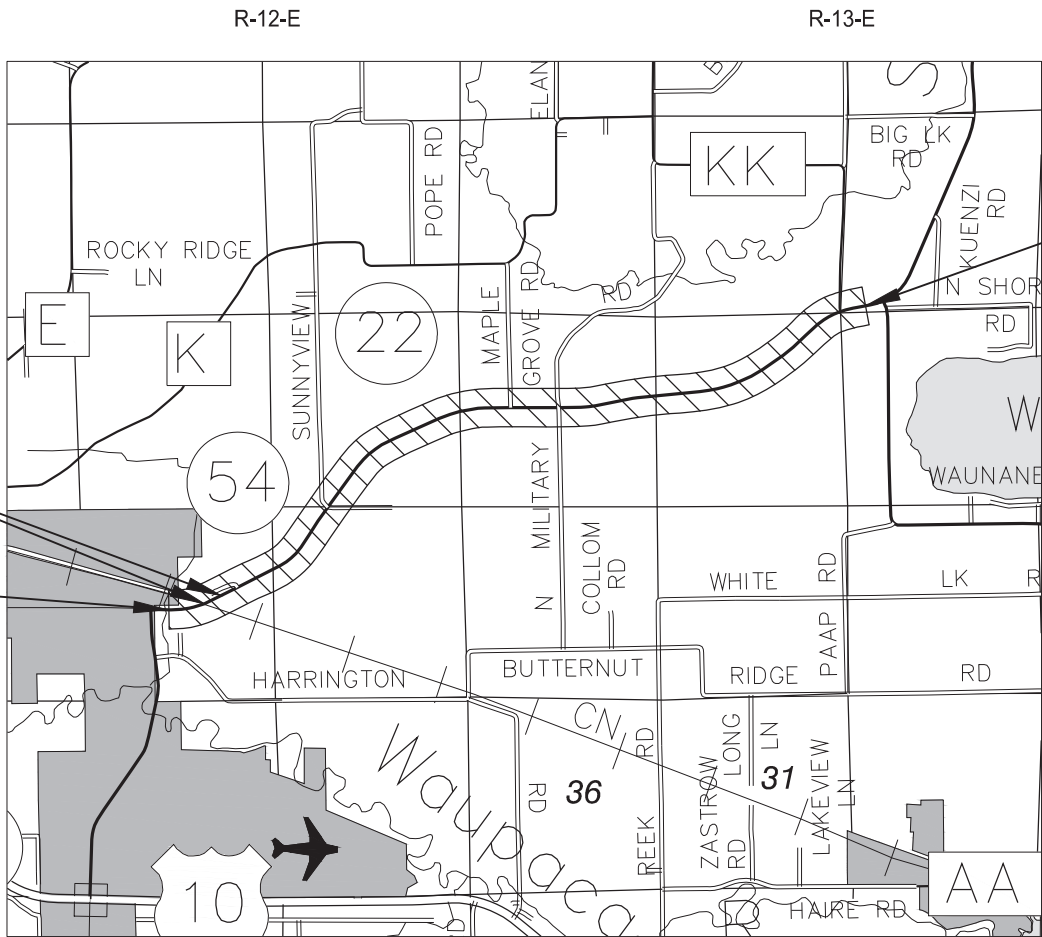
WCL RR BRIDGE TO STH 110S

STH 22

WAUPACA COUNTY

STATE PROJECT NUMBER
6590-02-75

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6590-02-75	WISC 2019587	1



END PROJECT
STA 332+17.47

BEGIN PROJECT
STA 118+06.57
Y=339549.362
X=550940.314

EXCEPTION TO NET CENTERLINE LENGTH
STA 121+85.87 TO STA 123+96.78
STRUCTURE B-68-050

LAYOUT
SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 4.015 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, WAUPACA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ORIGINAL PLANS PREPARED BY
CBS SQUARED INC.



1/24/2019 Tammy Tucker

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	CBS SQUARED INC.
Designer	CBS SQUARED INC.
Project Manager	W. ARNESON
Regional Examiner	C. SIMON
Regional Supervisor	M. KRETSCHMER

APPROVED FOR THE DEPARTMENT
DATE: 1/25/19 Wendy Arneson (Signature)

E

RUNOFF COEFFICIENT TABLE

A	HYDROLOGIC SOIL GROUP											
	B C									D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIP- TURF	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPE: TURF			.25			.27			.28			.30
			.32			.34			.36			.38
PAVEMENT:												
ASPHALT						.70 - .95						
CONCRETE						.80 - .95						
BRICK						.70 - .80						
DRIVES, WALKS						.75 - .85						
ROOFS						.75 - .95						
GRAVEL ROADS, SHOULDERS						.40 - .60						

TOTAL PROJECT AREA = 22.820 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.006 ACRES

ORDER OF SECTION 2 SHEETS

- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- SUPERELEVATION TABLES
- BEAM GUARD DETAILS
- TRAFFIC CONTROL

GENERAL NOTES

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGER'S HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA.

WHEN THE QUANTITY OF BASE AGGREGATE IS MEASURED BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

RIGHT OF WAY IS ASSUMED TO BE 33' EITHER SIDE OF ALIGNMENT DUE TO THE LAST AVAILABLE RECORD OF RIGHT AWAY APPEARS TO BE ON A 1969 AS-BUILT.

UTILITY CONTACTS

ANR PIPLINE CO - GAS/PETROLEUM
W3925 PIPELINE LN
EDEN, WI 53019
EMAIL: Todd_Brister@transcanada.com
PHONE: (920) 477-2235
MOBILE: (920) 979-0060

AT&T WISCONSIN - COMMUNICATION LINE
CHUCK BARTELT
70 E DIVISION ST
FOND DU LAC, WI 54935
EMAIL: CB1461@ATT.COM
PHONE: (920) 929-1013
MOBILE: (920) 375-9172

ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION
DOUG VOSBERG
5303 FEN OAK DRIVE
MADISON, WI 53718
EMAIL: dvosberg@atcllc.com
PHONE: (608) 877-7650

CENTURYLINK - COMMUNICATION LINE
MATT GUNDERSON
212 CHURCH AVE
CASCO, WI 54205
EMAIL: matt.gunderson@centurylink.com
PHONE: (920) 837-2344
MOBILE: (920) 896-2867

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY
DAVE PETERSEN
3300 N MAIN ST
OSHKOSH, WI 54901
EMAIL: david.petersen@wisconsinpublicservice.com
PHONE: (920) 236-5910
MOBILE: (920) 680-2036

WE ENERGIES - ELECTRICITY
KENNETH J. VAN OSS
800 S LYNNDALE DR
APPLETON, WI 54912
PHONE: (920) 380-3318

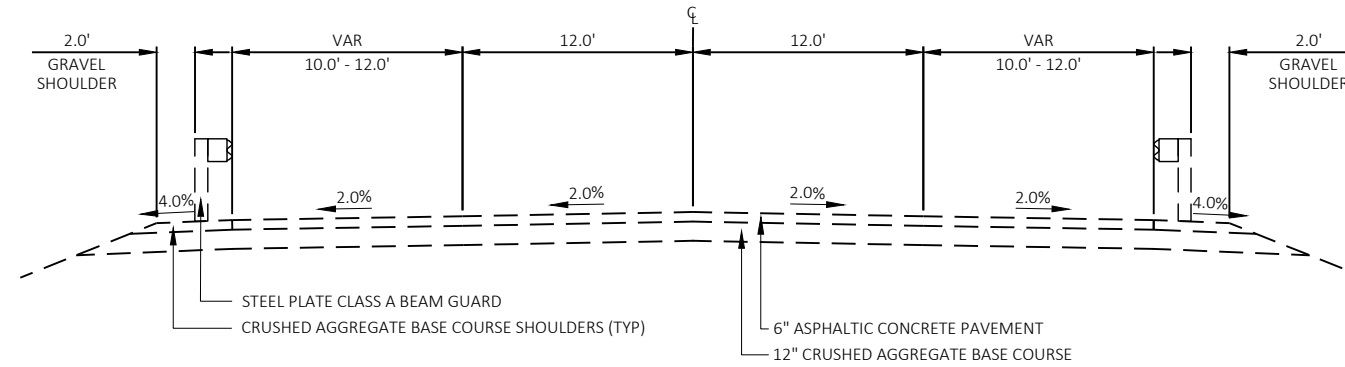
DIGGERSHOTLINE

Dial 811 or (800) 242-8511

www.DiggersHotline.com

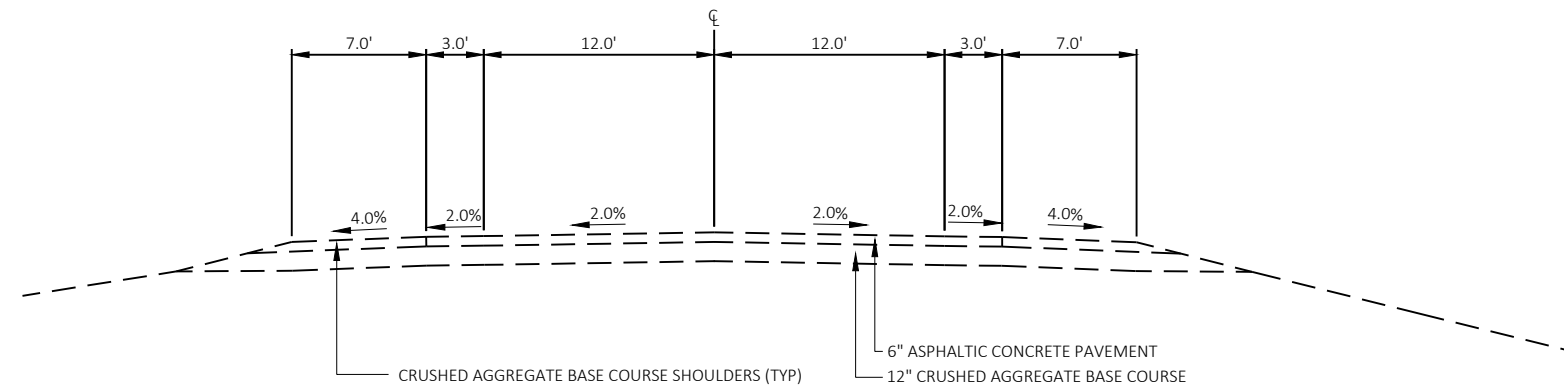
WISCONSIN DNR LIAISON

CASEY JONES
DNR WISCONSIN RAPIDS SERVICE CENTER
473 GRIFFITH DRIVE
WISCONSIN RAPIDS, WI 54494
(715) 213-6571
CASEY.JONES@WISCONSIN.GOV



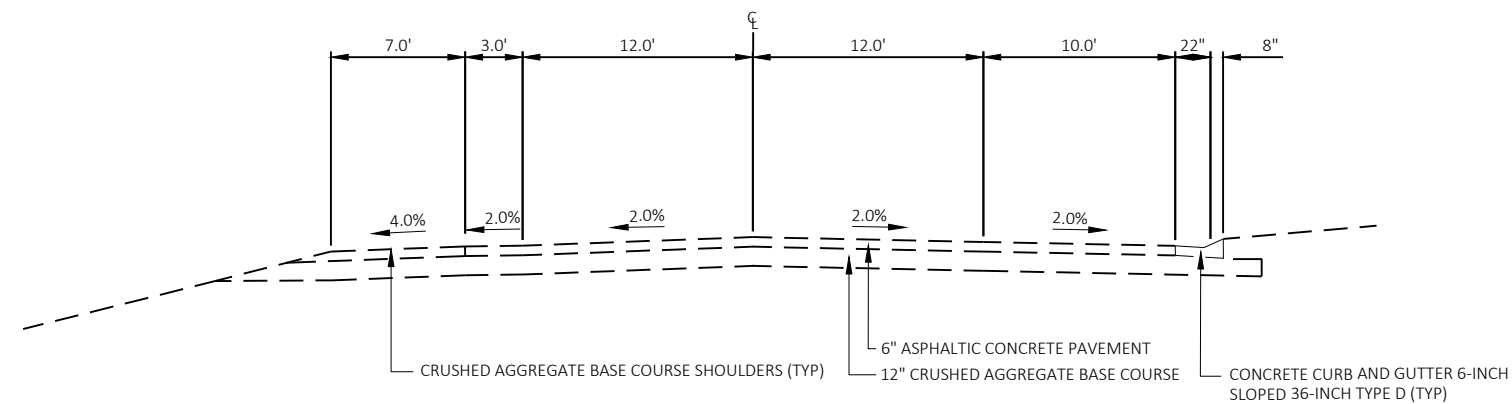
TYPICAL EXISTING SECTION

STH 22
STA 118+06.57 TO STA 121+85.87
STA 123+97 TO STA 133+00



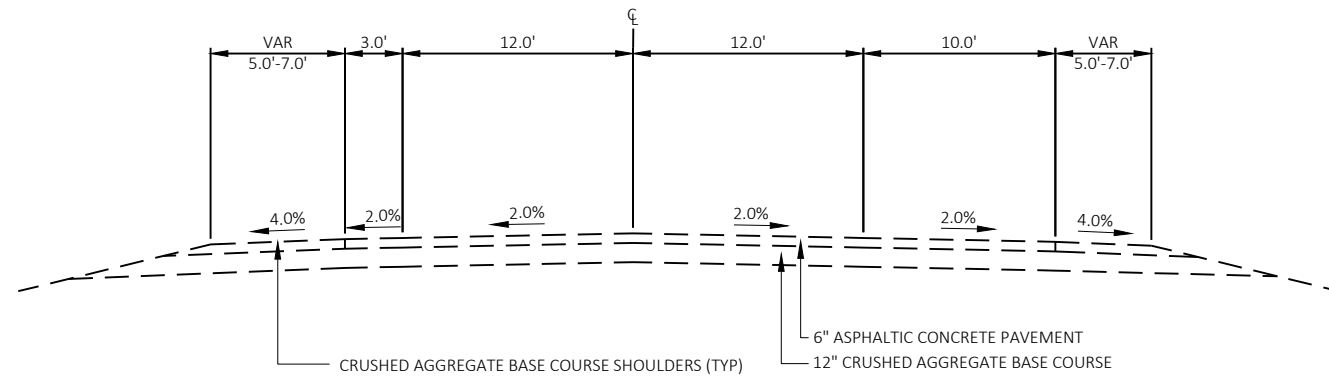
TYPICAL EXISTING SECTION

STH 22
STA 133+00 TO STA 159+18
STA 167+10 TO STA 207+20
STA 214+60 TO STA 321+30
STA 329+22 TO STA 332+17.47



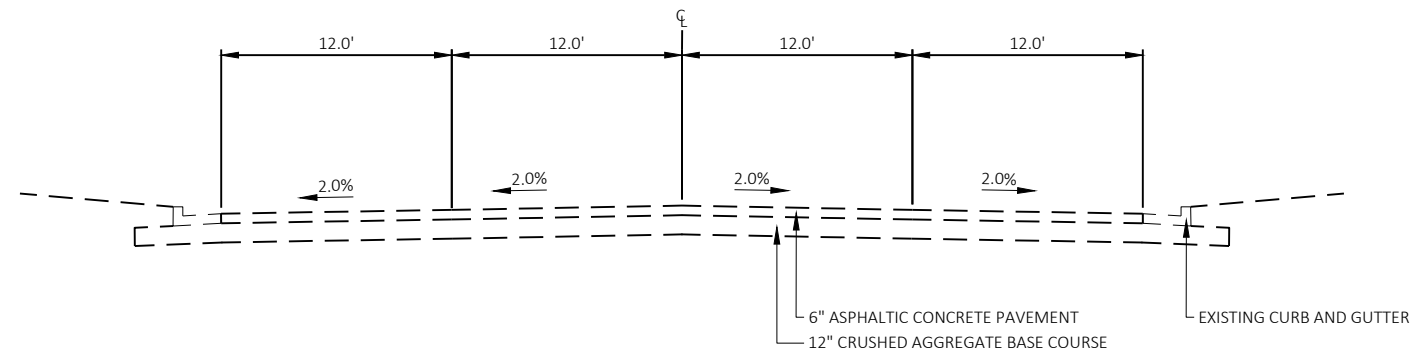
TYPICAL EXISTING SECTION

STH 22
STA 159+18 TO STA 163+55
STA 322+90 TO STA 325+00
STA 327+65 TO STA 329+22



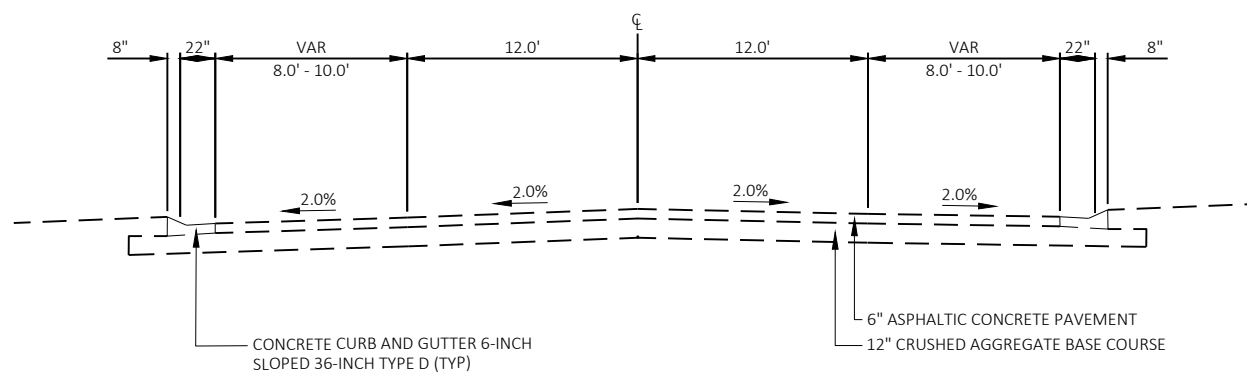
TYPICAL EXISTING SECTION

STH 22
STA 163+55 TO STA 167+10
STA 207+20 TO STA 210+80
STA 321+30 TO STA 322+90



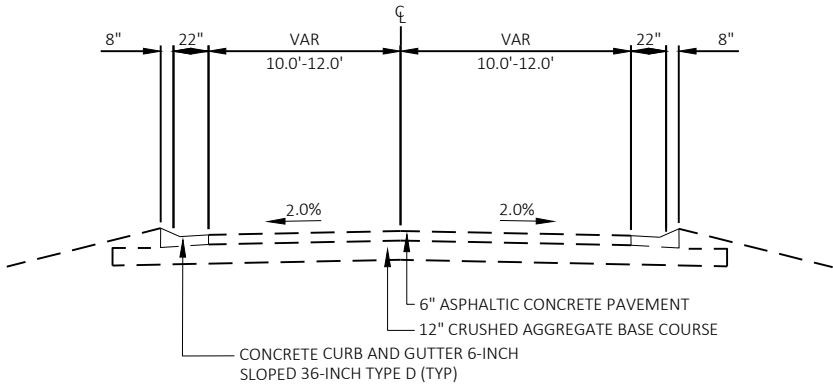
TYPICAL EXISTING SECTION

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STA 210+80 TO STA 214+60

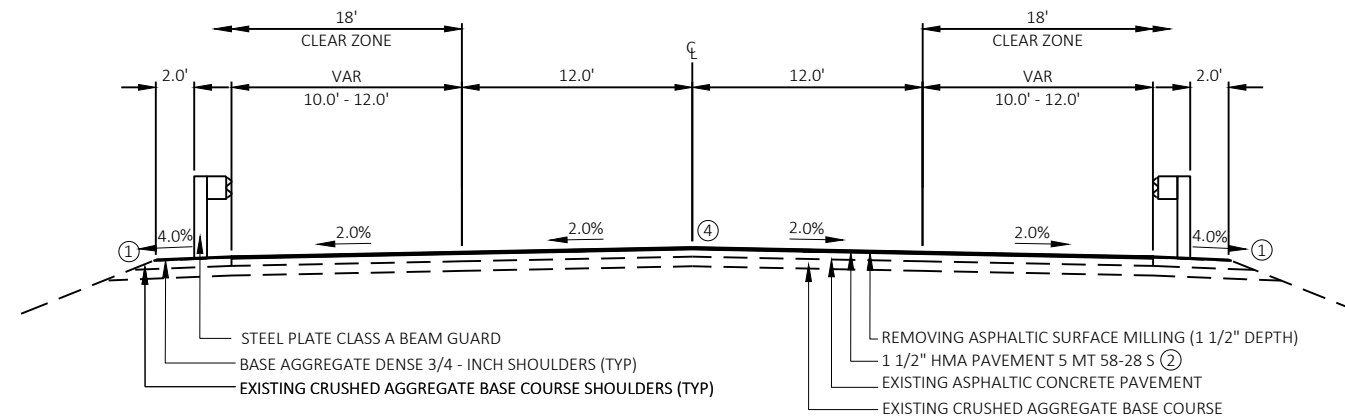


TYPICAL EXISTING SECTION

STH 22
STA 325+00 TO STA 327+65

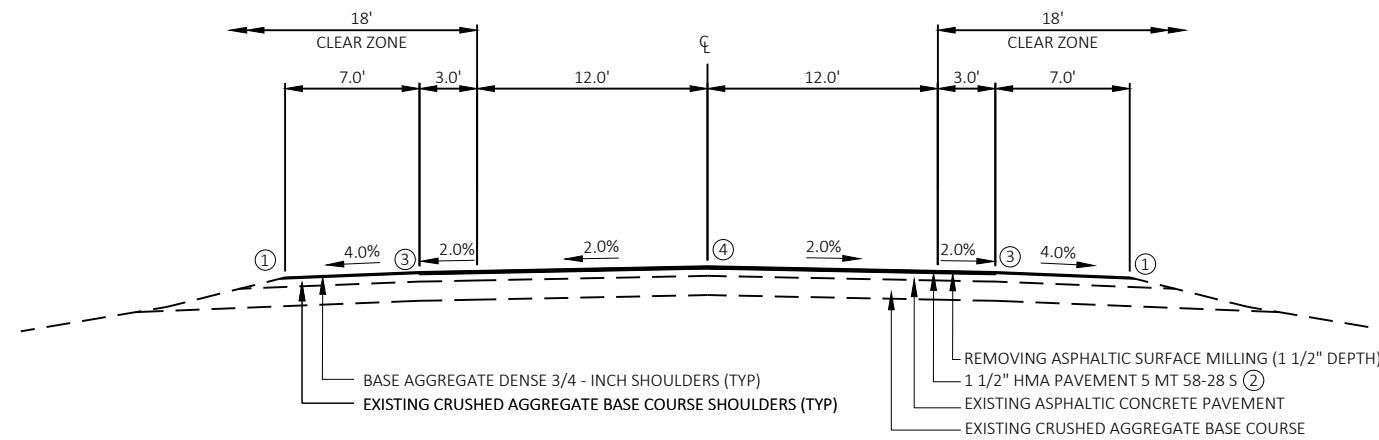


TYPICAL EXISTING SECTION - SIDEROADS
AXTELL LN, SUNNYVIEW RD, HANDRICH RD, MAPLE GROVE RD
N MILITARY RD, S MILITARY RD, CTH KK, STH 110



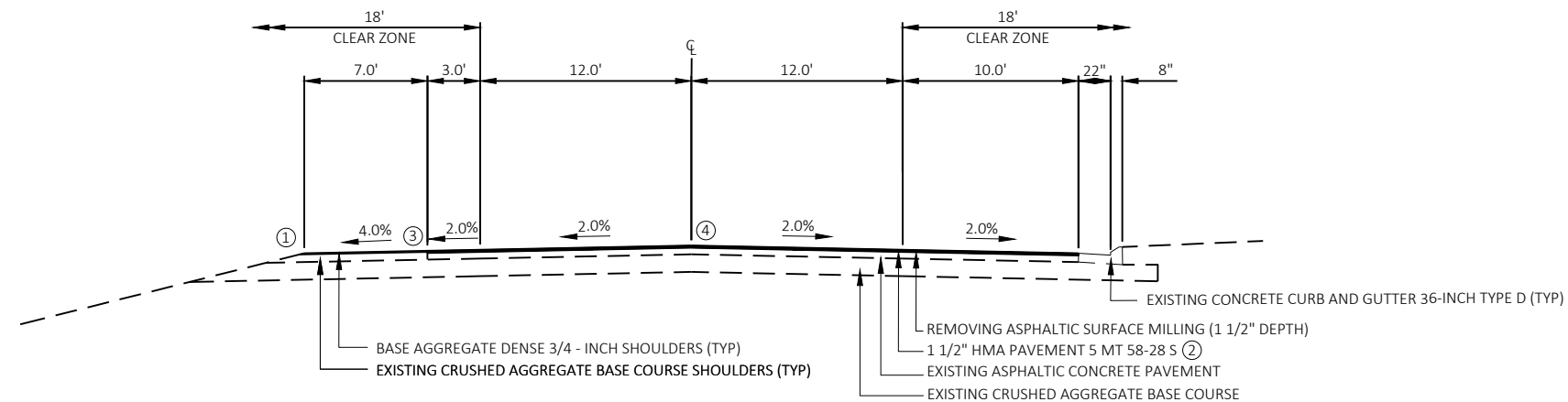
TYPICAL FINISHED SECTION

STH 22
STA 118+06.57 TO STA 121+85.87
STA 123+97 TO STA 133+00



TYPICAL FINISHED SECTION

STH 22
STA 133+00 TO STA 159+18
STA 167+10 TO STA 207+20
STA 214+60 TO STA 321+30
STA 329+22 TO STA 332+17.47

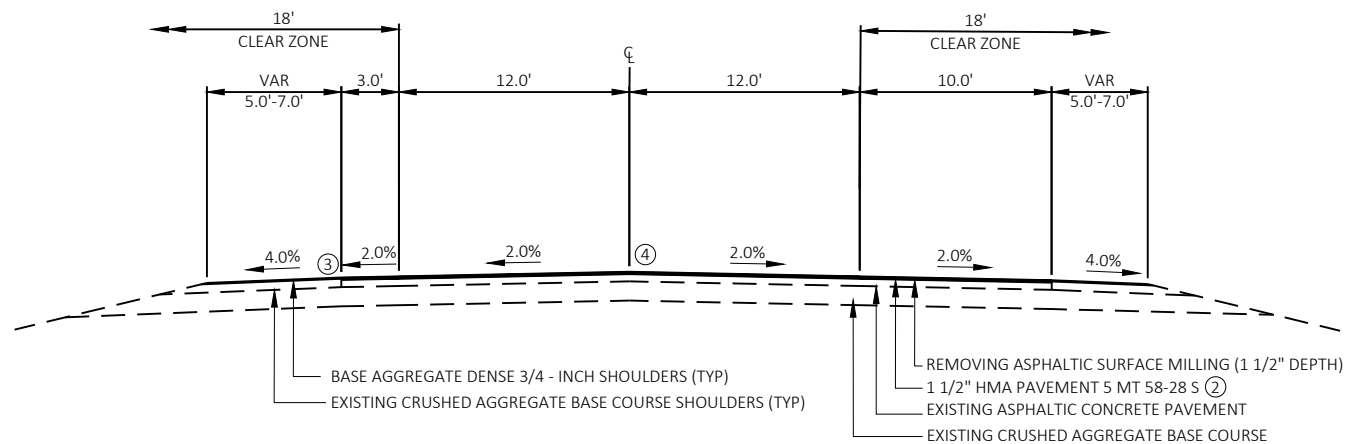


TYPICAL FINISHED SECTION

STH 22
STA 159+18 TO STA 163+55
STA 322+90 TO STA 325+00
STA 327+65 TO STA 329+22

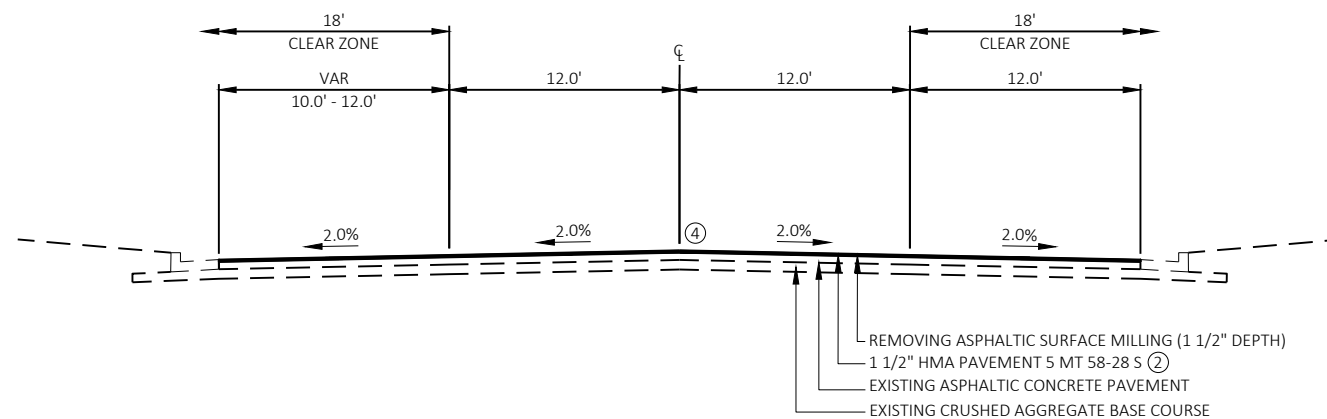
NOTES:

- ① MATCH EXISTING SHOULDER POINT. DO NOT STEEPEN INSLOPE.
- ② PRIOR TO PAVING PREPARE THE MILLING SURFACE IN ACCORDANCE TO THE ITEM "PREPARATION OF FOUNDATION FOR ASPHALTIC SURFACE".
- ③ SAFETY EDGE.
- ④ ASPHALTIC CENTERLINE RUMBLE STRIPS
2 - LANE RURAL.



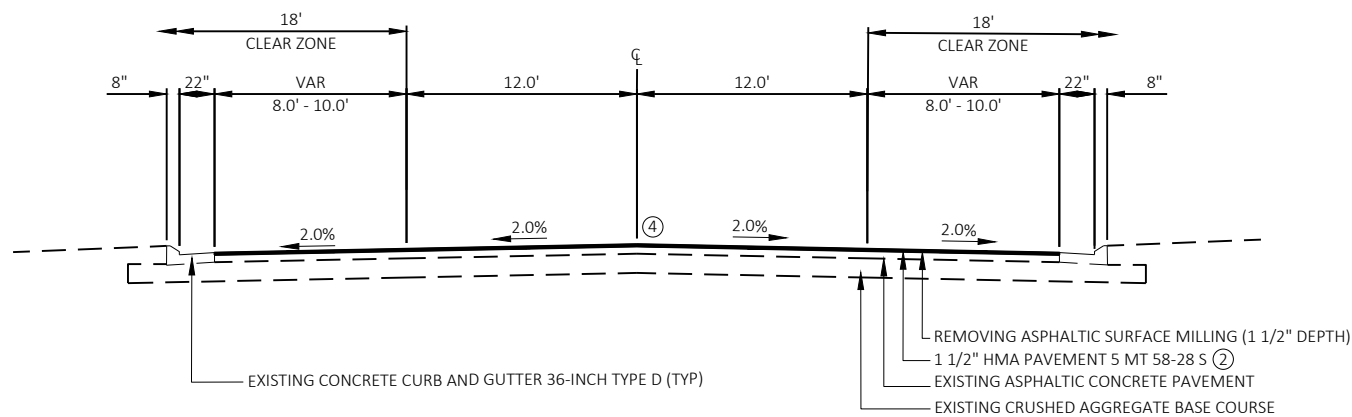
TYPICAL FINISHED SECTION

STH 22
STA 163+55 TO STA 167+10
STA 207+20 TO STA 210+80
STA 321+30 TO STA 322+90



TYPICAL FINISHED SECTION

STH 22
STA 210+80 TO STA 214+60

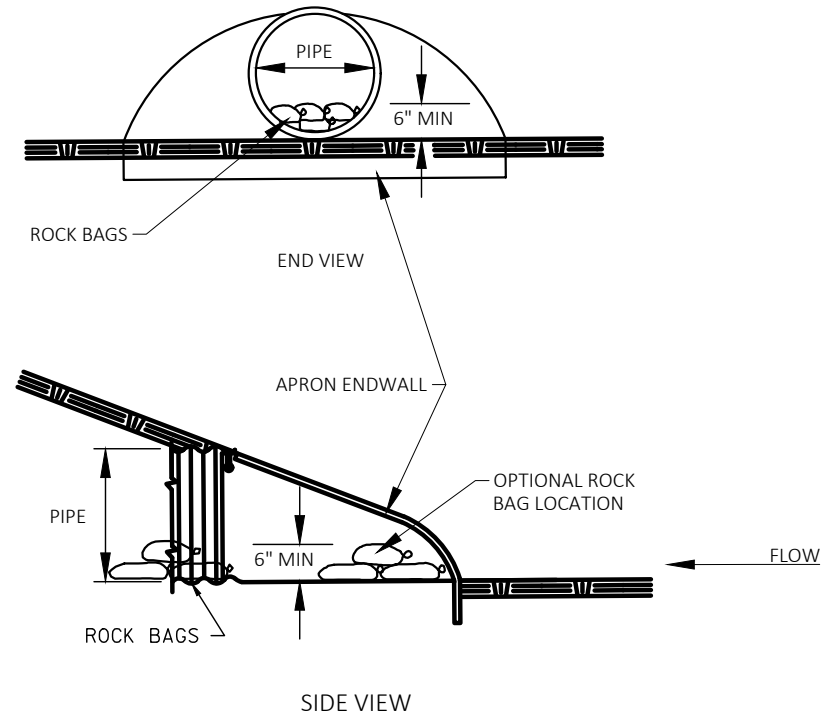


TYPICAL FINISHED SECTION

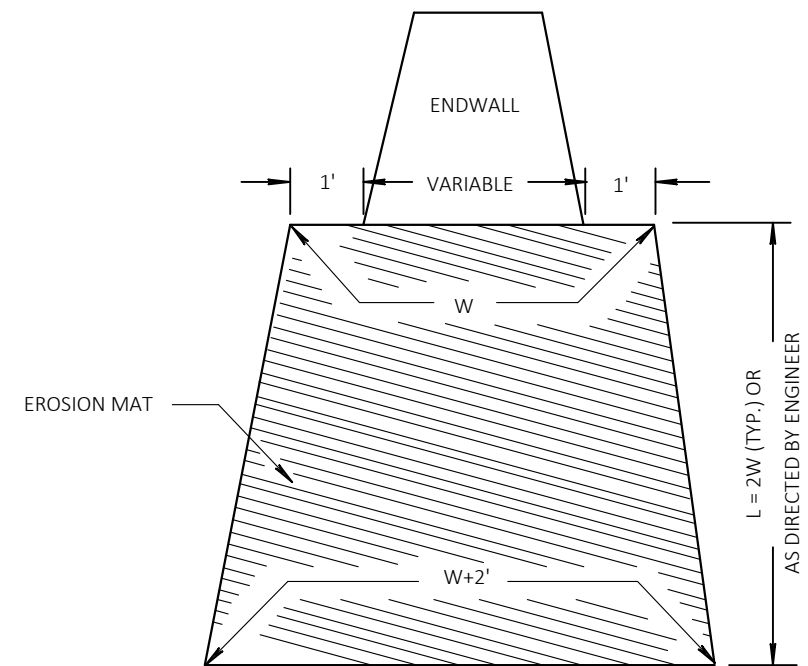
STH 22
STA 325+00 TO STA 327+65

NOTES:

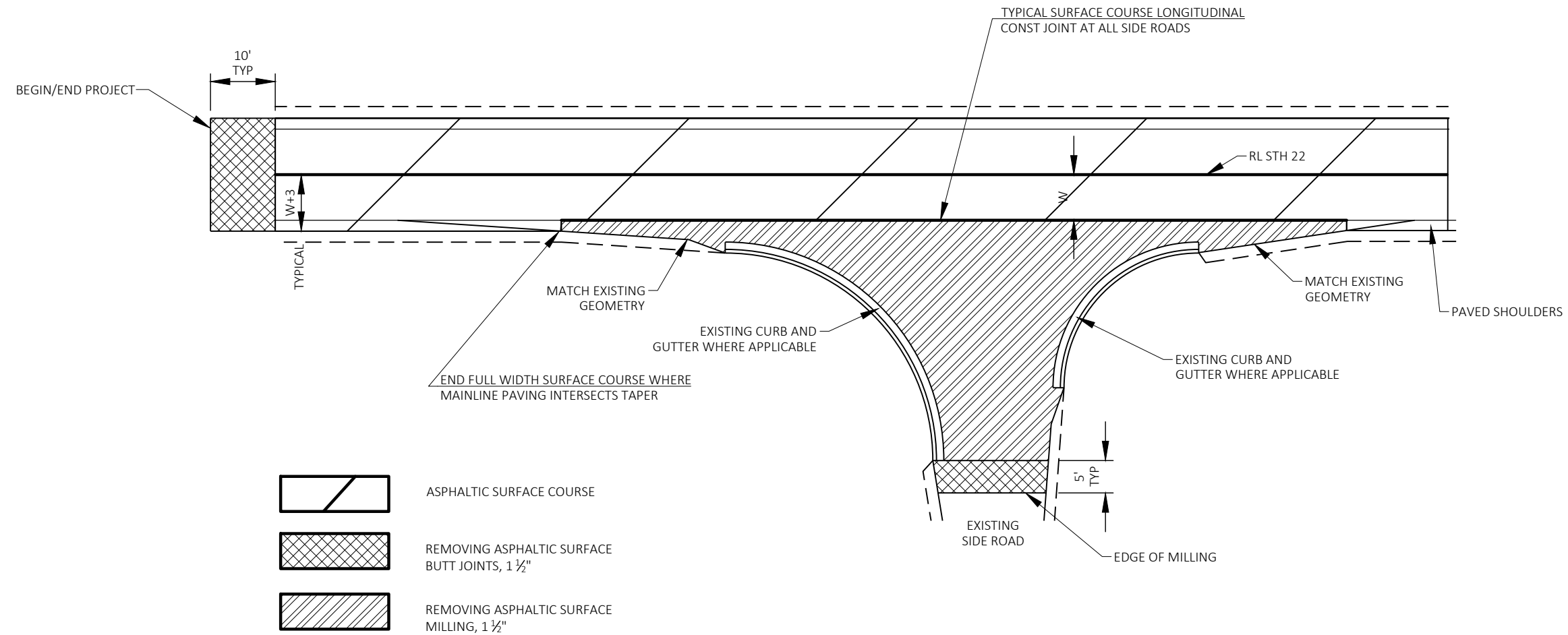
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- ③ SAFETY EDGE.
- ④ ASPHALTIC CENTERLINE RUMBLE STRIPS 2 - LANE RURAL.



CULVERT PIPE CHECK
(INSTALL ON INLET END ONLY)

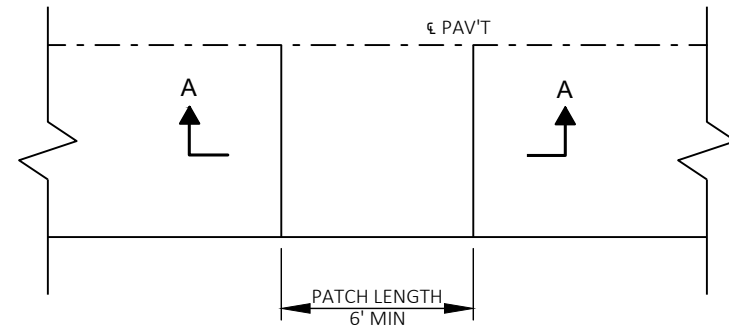


EROSION MAT TREATMENT AT CULVERTS

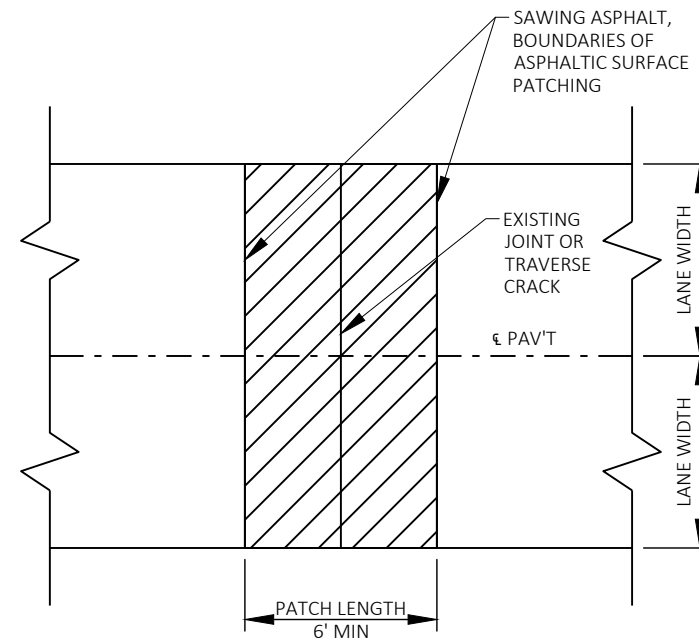
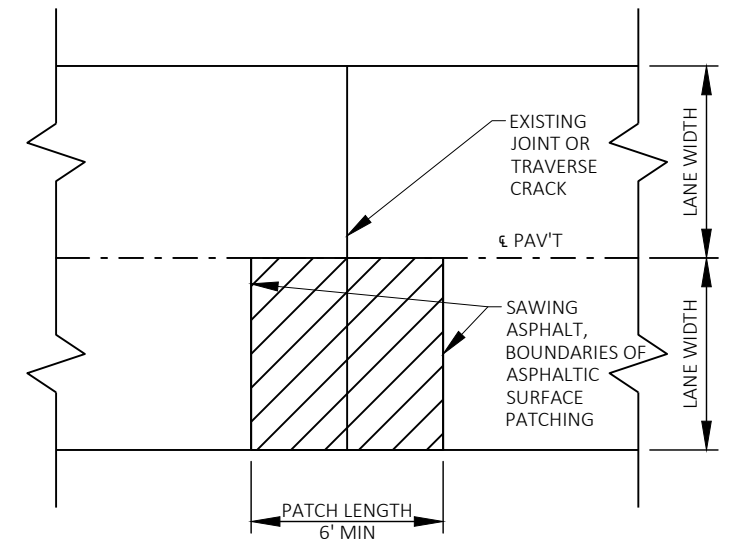
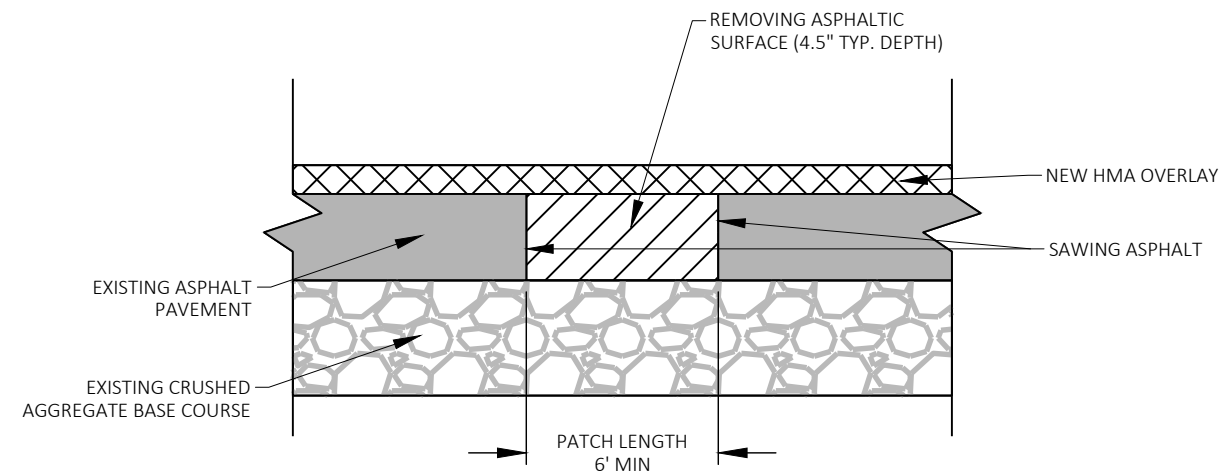


NOTES:
W = MATCH EXISTING ROADWAY WIDTH

TYPICAL SURFACE COURSE SIDE ROAD PAVING



PLAN VIEW

PLAN VIEW
(DOUBLE LANE PATCH)PLAN VIEW
(SINGLE LANE PATCH)SECTION A-A
ASPHALT PATCH REMOVALASPHALTIC SURFACE PATCHING

3

3

3

