

GENERAL NOTES

NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT LOCATION THAT ARE NOT SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL UTILITIES.

A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

EXACT TRAFFIC CONTROL LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS DESIGNATED FOR REMOVAL BY THE ENGINEER.

PROTECT FROM DAMAGE AND COMPLETE SHOULDER WORK AROUND ANY EXISTING SIGNS OR MAILBOXES THAT ARE TO REMAIN IN PLACE.

RESTORATION OF EXPOSED SLOPES AND DITCHES SHALL TAKE PLACE WITHIN 7 CALENDAR DAYS AFTER FINISHED GRADING IS COMPLETE.

WETLANDS ARE PRESENT IN THE PROJECT AREA. DO NOT DISTURB WETLANDS OUTSIDE THE PROPOSED SLOPE INTERCEPTS.

IF AN EXISTING SIGN IS TO BE REMOVED AND REPLACED WITH A NEW SIGN, DO NOT REMOVE THE EXISTING SIGN PRIOR TO INSTALLATION OF THE NEW SIGN.

THE LOCATIONS OF EROSION CONTROL ITEMS SHALL BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

JEFFERSON COUNTY WILL BE REPAVING SEVERAL MILES OF CTH D ON EITHER SIDE OF THE BRIDGE PROJECT, IN ADDITION TO PAVING THE SURFACE LAYER OF THIS PROJECT. COORDINATE PAVING AND GUARDRAIL INSTALLATION WITH JEFFERSON COUNTY.

HMA UNIT WEIGHT: 112 lb/SY/INCH

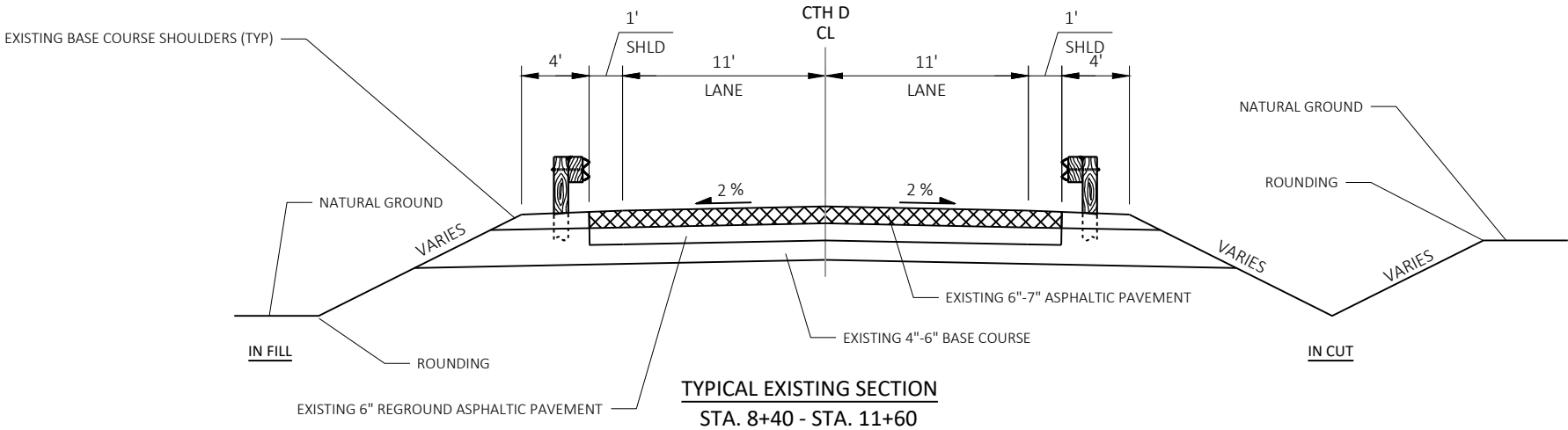
ABBREVIATIONS

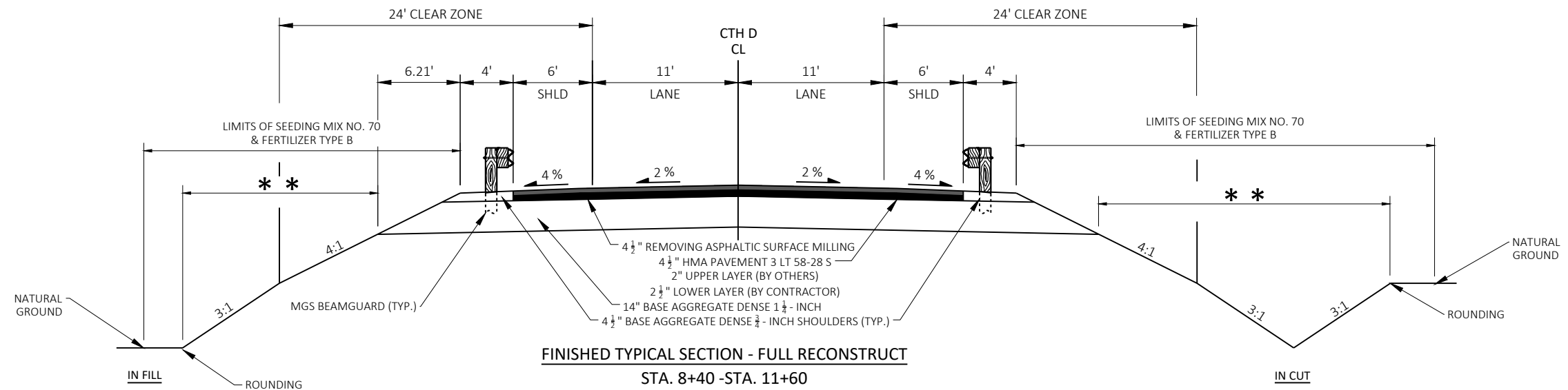
A.D.T.	AVERAGE DAILY TRAFFIC
ATMS	ARTERIAL TRAFFIC MANAGEMENT SYSTEM
BM	BENCHMARK
BOC	BACK OF CURB
BTWN	BETWEEN
C&G	CURB AND GUTTER
C.E.	COMMERCIAL ENTRANCE
CONST	CONSTRUCTION
CP	CONTROL POINT
CTR.	CENTER
D.D.	DIRECTIONAL DISTRIBUTION
D.H.V.	DESIGN HOURLY VOLUME
DMS	DYNAMIC MESSAGE SIGN
EB	EASTBOUND
EXIST	EXISTING
GALV.	GALVANIZED
HMA	HOT MIX ASPHALT
H.S.	HIGH STRENGTH
ITS	INTELLIGENT TRAFFIC SYSTEM
MAX	MAXIMUM
MIN	MINIMUM
NB	NORTHBOUND
NOR	NORMAL
PC	POINT OF CURVATURE
PCC	POINT OF COMMON CURVATURE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVT	PAVEMENT
R/L	REFERENCE LINE
REQ'D	REQUIRED
SB	SOUTHBOUND
SYM	SYMMETRICAL
T.	PERCENT TRUCKS
TCC	TRAFFIC CONDITION CAMERA
TYP	TYPICAL
VAR	VARIABLE
WB	WESTBOUND
Wt.	WEIGHT
X-WALK	CROSS WALK

PROJECT CONTACTS

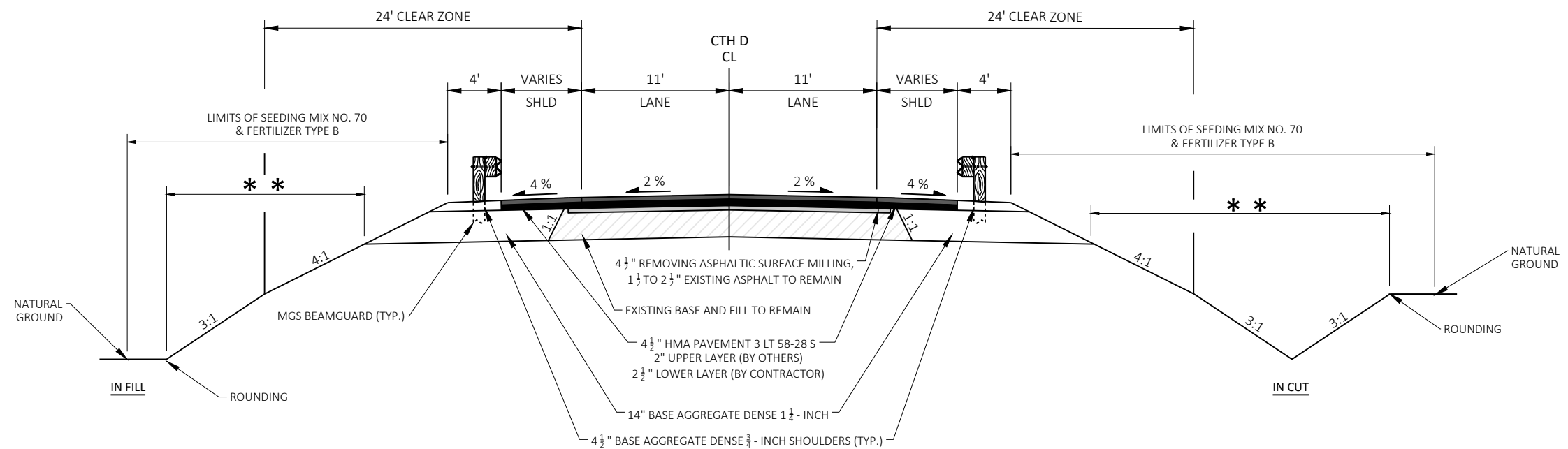
JEFFERSON COUNTY PUBLIC WORKS BRIAN UDOVICH HIGHWAY OPERATIONS MANAGER 1425 SOUTH WISCONSIN DRIVE JEFFERSON, WI 53549 P: (920) 674-7273 C: (920) 723-7273 E: BRIANU@JEFFERSONCOUNTYWI.GOV	UTILITIES SPECTRUM PAUL WAGNER 1348 PLAINFIELD AVENUE JANESVILLE, WI 53545 P: (920) 979-2660 E: PAUL.WAGNER@CHARTER.COM
WISCONSIN DEPARTMENT OF NATURAL RESOURCES SHELLY NELSON DNR SOUTH CENTRAL REGION HEADQUARTERS 3911 FISH HATCHERY RD FITCHBERG, WI 53711 P: (608) 444-2835 E: SHELLEY.NELSON@WISCONSIN.GOV	WE ENERGIES ERIC KICKHAVER 500 S 116TH ST WEST ALLIS, WI 53214 P: (414) 944-5917 C: (414) 588-7472 E: ERICK.KICKHAVER@WE-ENERGIES.COM
DESIGNER AMANDA INMAN, PE AYRES ASSOCIATES 5201 EAST TERRACE DRIVE, SUITE 200 MADISON, WI 53718 P: (608) 443-1239 E: INMANA@AYRESASSOCIATES.COM	

** DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

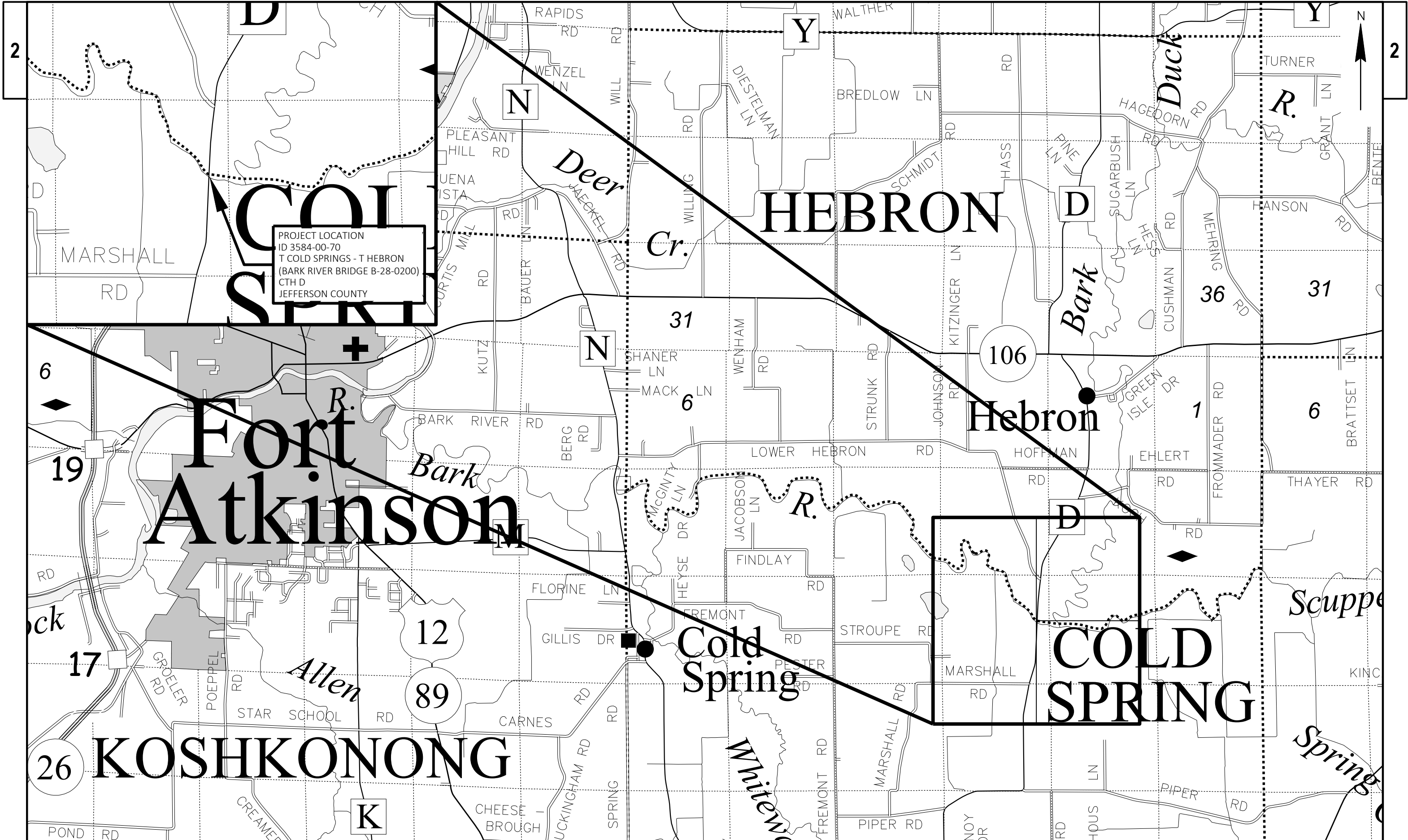


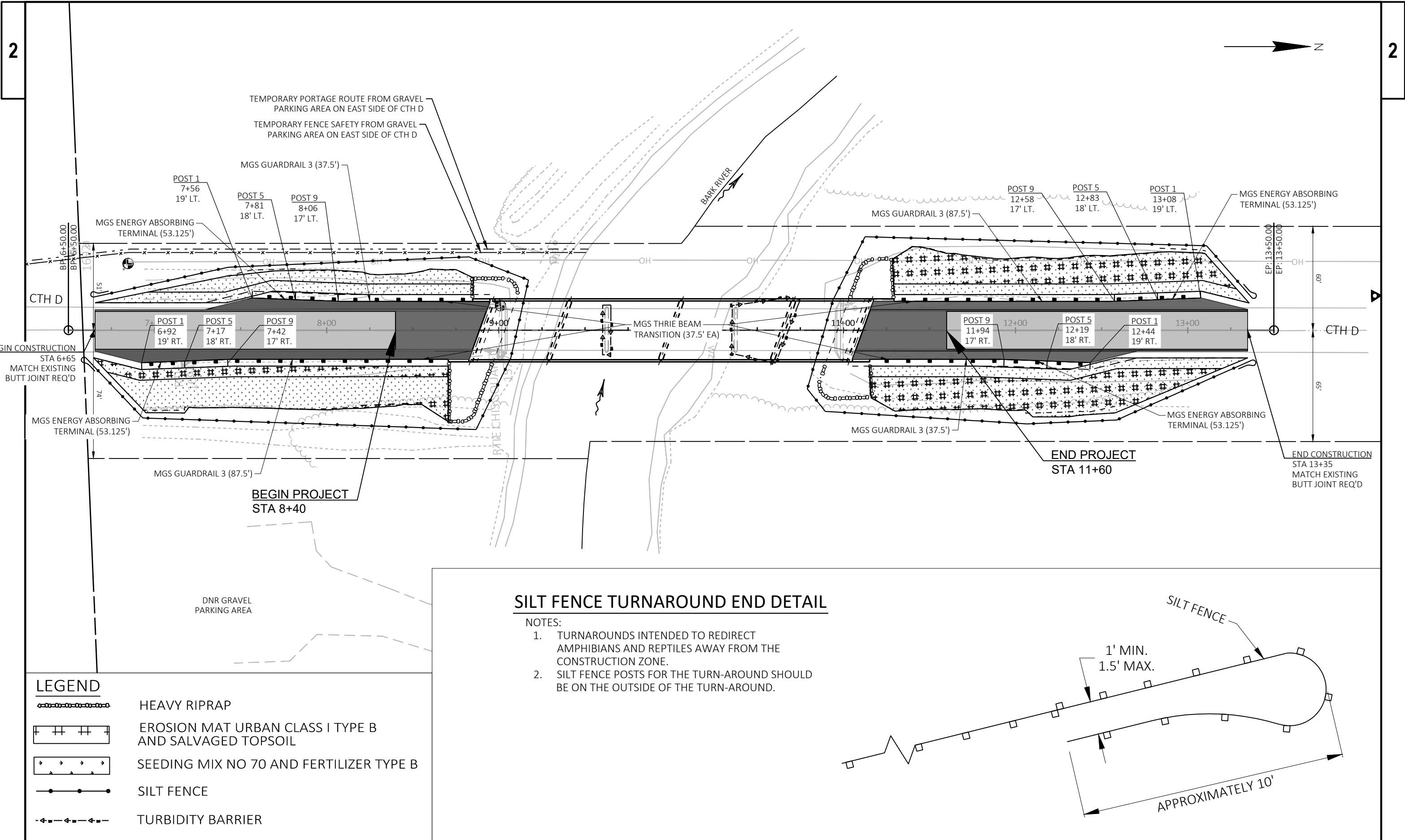


** LIMITS OF SALVAGED TOPSOIL AND EROSION MAT URBAN CLASS I TYPE B



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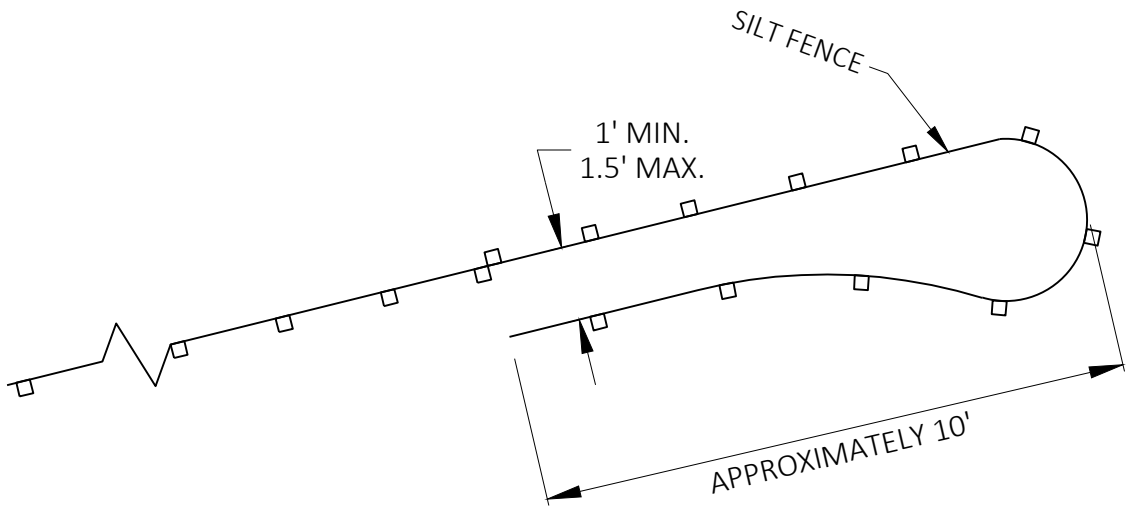


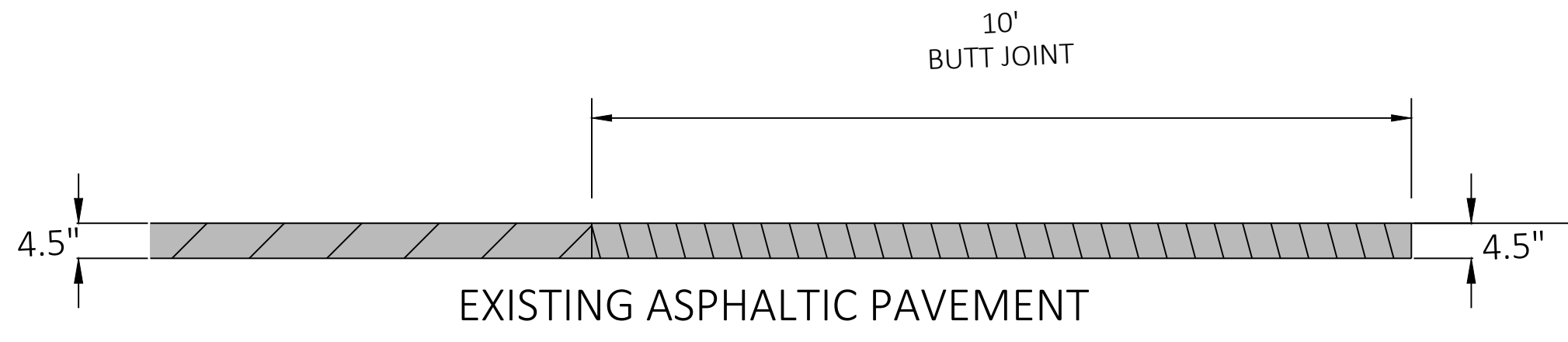
LEGEND

- HEAVY RIPRAP
- EROSION MAT URBAN CLASS I TYPE B AND SALVAGED TOPSOIL
- SEEDING MIX NO 70 AND FERTILIZER TYPE B
- SILT FENCE
- TURBIDITY BARRIER

SILT FENCE TURNAROUND END DETAIL

- NOTES:
- TURNAROUNDS INTENDED TO REDIRECT AMPHIBIANS AND REPTILES AWAY FROM THE CONSTRUCTION ZONE.
 - SILT FENCE POSTS FOR THE TURN-AROUND SHOULD BE ON THE OUTSIDE OF THE TURN-AROUND.





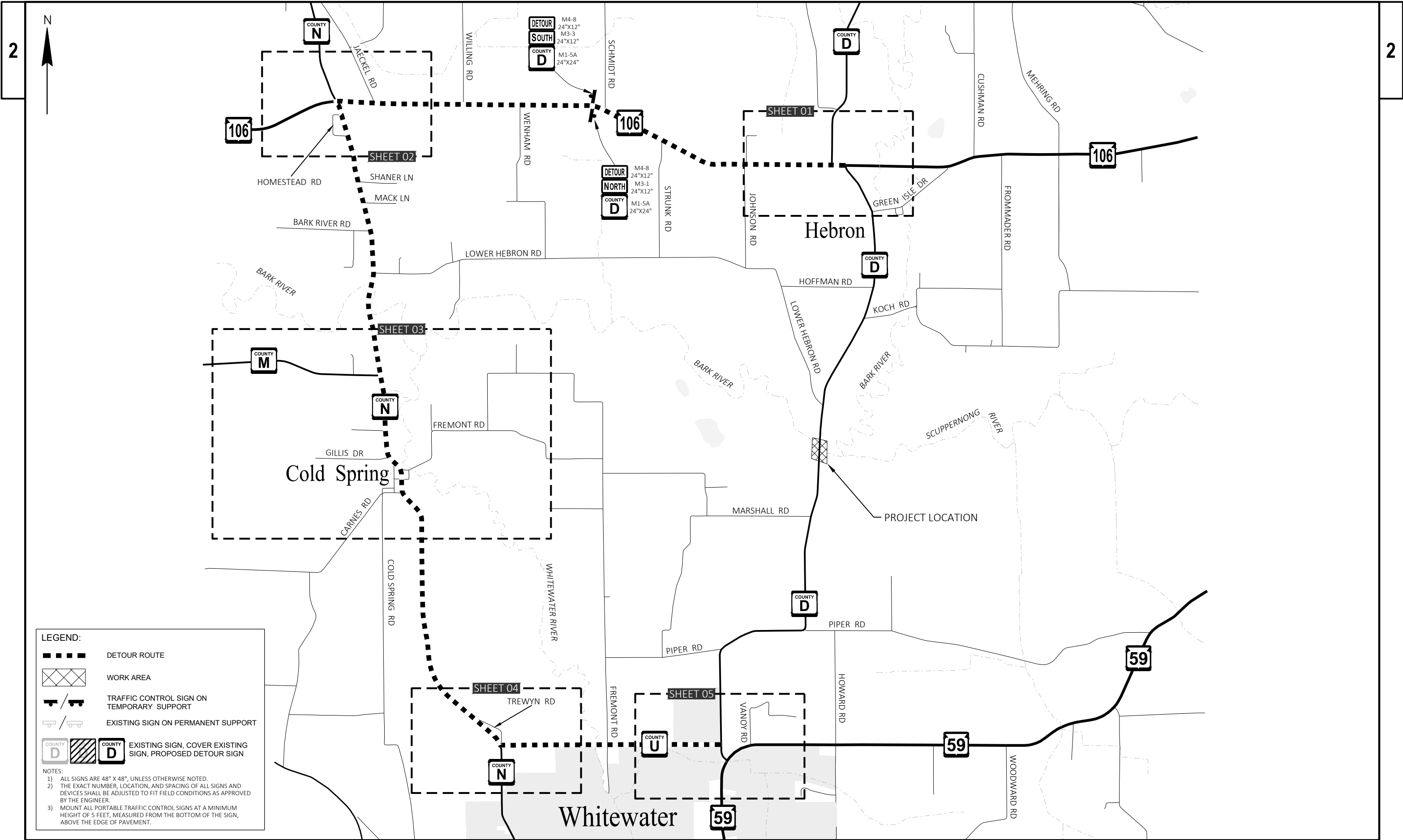
HMA PAVEMENT



REMOVING ASPHALTIC SURFACE MILLING



REMOVING ASPHALTIC SURFACE BUTT JOINTS



LEGEND:

DETOUR ROUTE

WORK AREA

TRAFFIC CONTROL SIGN ON
TEMPORARY SUPPORT

EXISTING SIGN ON PERMANENT SUPPORT

COUNTY D

COUNTY D

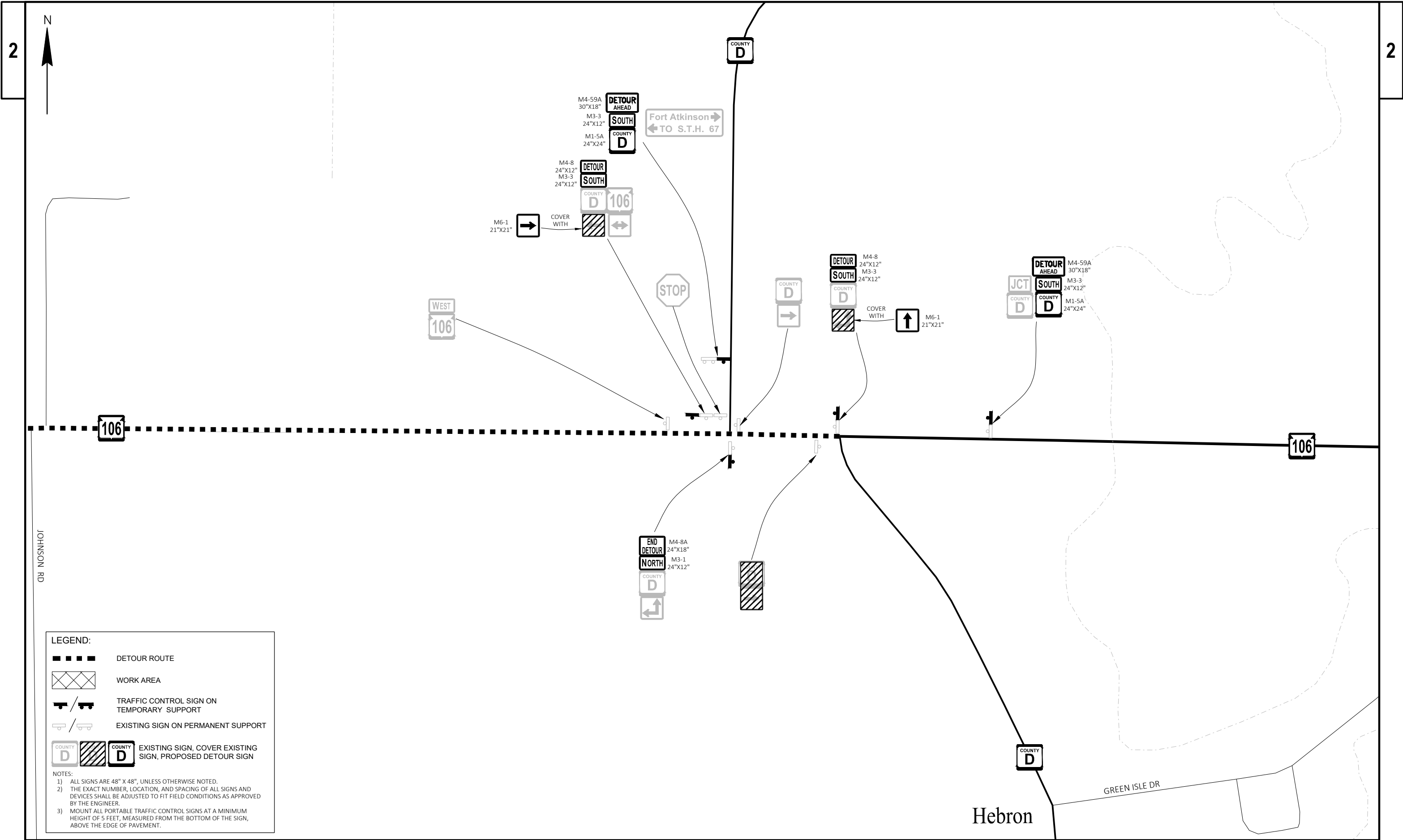
EXISTING SIGN, COVER EXISTING
SIGN, PROPOSED DETOUR SIGN

NOTES:

1) ALL SIGNS ARE 48" X 48", UNLESS OTHERWISE NOTED.

2) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND
DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED
BY THE ENGINEER.

3) MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM
HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN,
ABOVE THE EDGE OF PAVEMENT.



LEGEND:

DETOUR ROUTE

WORK AREA

TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT

EXISTING SIGN ON PERMANENT SUPPORT

COUNTY

D

COUNTY

D

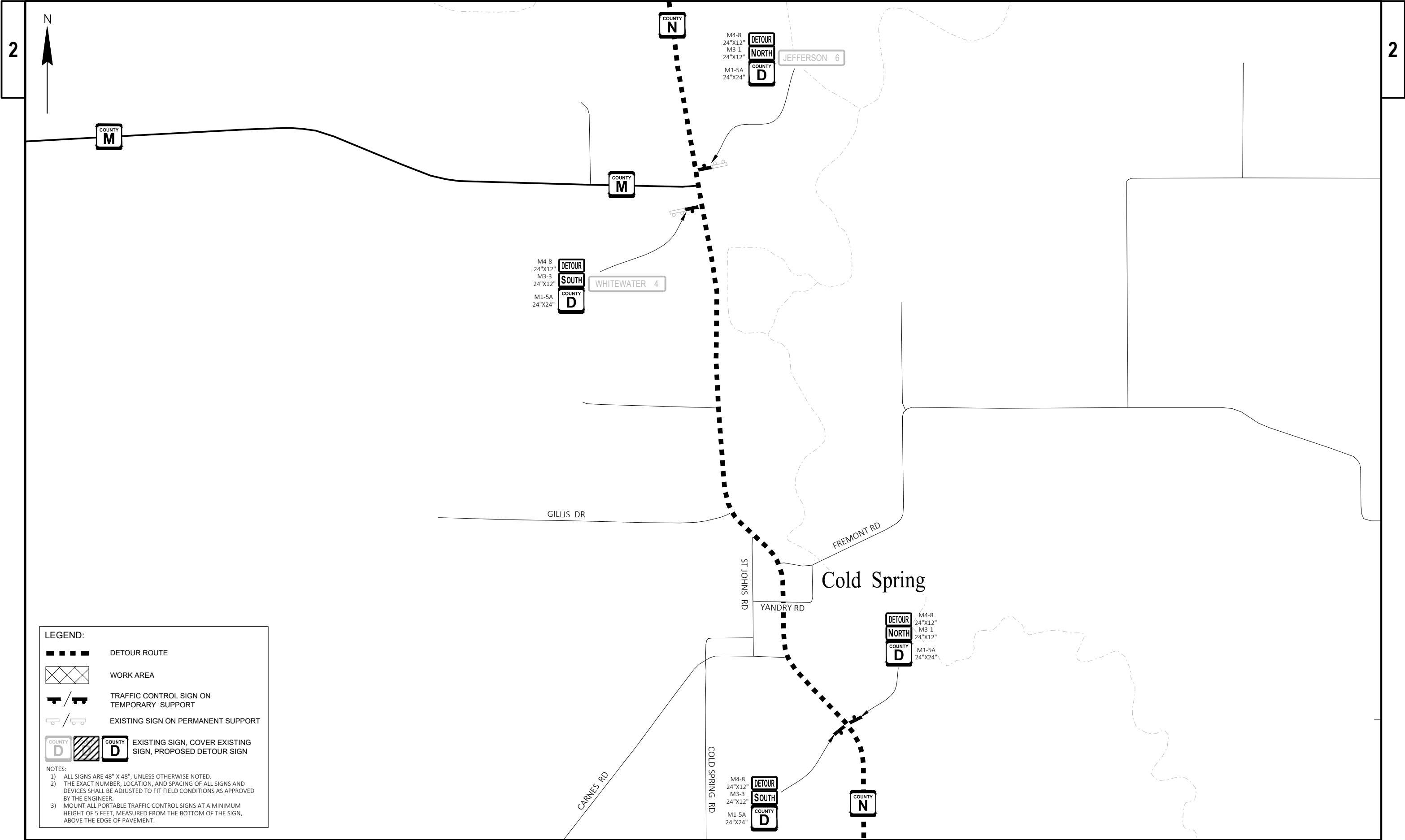
EXISTING SIGN, COVER EXISTING SIGN, PROPOSED DETOUR SIGN

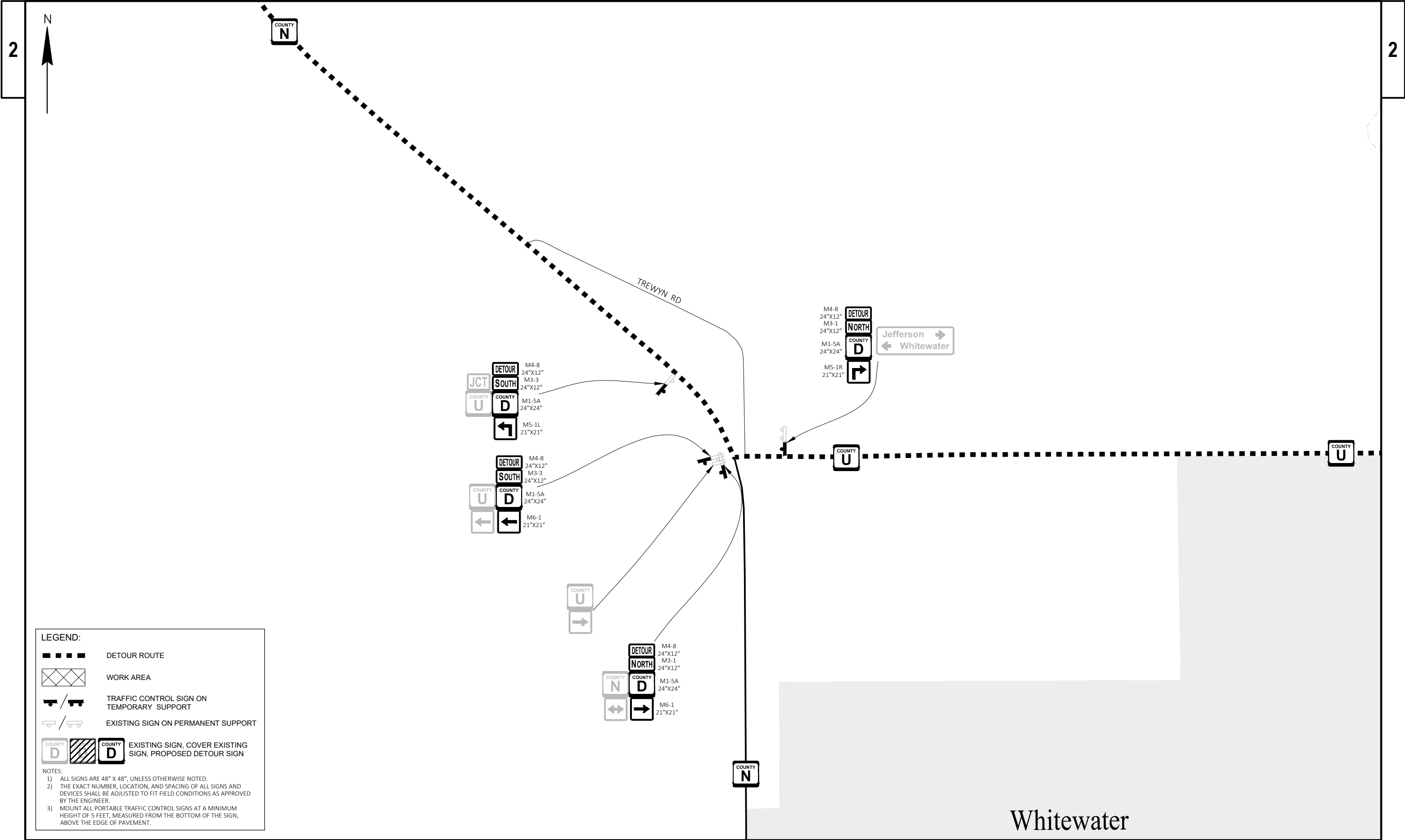
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LEGEND:

■■■■ DETOUR ROUTE

▨▨▨▨ WORK AREA

⏏ / ⏏ TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT

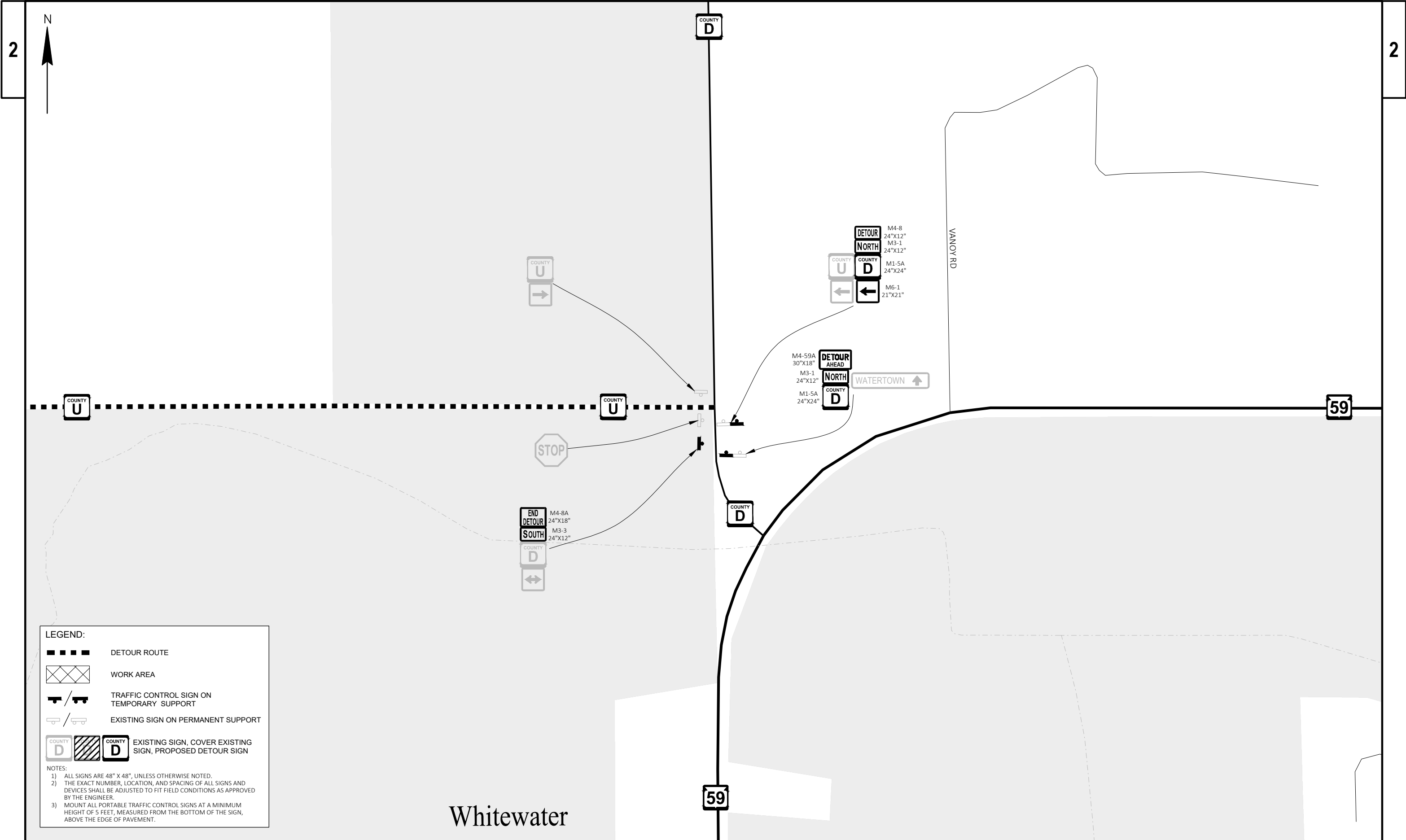
⏏ / ⏏ EXISTING SIGN ON PERMANENT SUPPORT



 EXISTING SIGN, COVER EXISTING SIGN, PROPOSED DETOUR SIGN

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LEGEND:

- DETOUR ROUTE
- WORK AREA
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- EXISTING SIGN ON PERMANENT SUPPORT
- EXISTING SIGN, COVER EXISTING SIGN, PROPOSED DETOUR SIGN

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Estimate Of Quantities

3584-00-70

Line	Item	Item Description	Unit	Total	Qty
0100	638.2602	Removing Signs Type II	EACH	6.000	6.000
0102	638.3000	Removing Small Sign Supports	EACH	4.000	4.000
0104	642.5001	Field Office Type B	EACH	1.000	1.000
0106	643.0420	Traffic Control Barricades Type III	DAY	2,556.000	2,556.000
0108	643.0705	Traffic Control Warning Lights Type A	DAY	3,976.000	3,976.000
0110	643.0900	Traffic Control Signs	DAY	11,218.000	11,218.000
0112	643.0920	Traffic Control Covering Signs Type II	EACH	1.000	1.000
0114	643.5000	Traffic Control	EACH	1.000	1.000
0116	645.0111	Geotextile Type DF Schedule A	SY	70.000	70.000
0118	645.0120	Geotextile Type HR	SY	415.000	415.000
0120	646.1020	Marking Line Epoxy 4-Inch	LF	2,500.000	2,500.000
0122	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	2,500.000	2,500.000
0124	650.4500	Construction Staking Subgrade	LF	450.000	450.000
0126	650.5000	Construction Staking Base	LF	450.000	450.000
0128	650.6501	Construction Staking Structure Layout (structure) 01. B-28-0200	EACH	1.000	1.000
0130	650.9911	Construction Staking Supplemental Control (project) 01. 3584-00-70	EACH	1.000	1.000
0132	650.9920	Construction Staking Slope Stakes	LF	450.000	450.000
0134	690.0150	Sawing Asphalt	LF	44.000	44.000
0136	715.0502	Incentive Strength Concrete Structures	DOL	5,028.000	5,028.000
0138	999.2005.S	Maintaining Bird Deterrent System (station) 01. 10+00	EACH	1.000	1.000
0140	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	2,000.000	2,000.000
0142	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	1,320.000	1,320.000
0144	SPV.0090	Special 01. FLASHING STAINLESS STEEL	LF	446.000	446.000

CTH D EARTHWORK SUMMARY										
From/To Station	Location	Common Excavation (1) (Item 205.0100)		Marsh Excavation (4) (Item 205.0400)	Unexpanded Fill	Expanded Fill (2)	Mass Ordinate +/- (3)	Waste	Borrow (Item 208.0100)	Comment:
		Cut	Unusable			Factor 1.30				
6+65 to 8+88	CTH D	204	26	0	215	280	-102		102	
11+12 to 13+35	CTH D	221	26	0	242	315	-120		120	
6+65 to 13+35	CTH D	0	0	40	0	0	-40		40	UNDISTRIBUTED
TOTAL		477		40		595	-262		262	

- 1) Common Excavation is the Cut. Unusable excavation is existing pavement. Item number 205.0100.
- 2) Expanded Fill. Factor = 1.30; Expanded Fill = Unexpanded Fill * Fill Factor
- 3) The Mass Ordinate+ or - Qty calculated for the side of the waterway. Plus quantity indicates an excess of material on the side of the waterway.
- 4) Marsh Excavation included as undistributed quantity. Item number 205.0400. If needed, backfill with Borrow.
- 5) All quantities shown in CY.

MILLING ASPHALT

						204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS	204.0120 REMOVING ASPHALTIC SURFACE MILLING		
CATEGORY	STATION	TO	STATION	LOCATION		SY	SY	REMARKS	
0010	6+65	-	8+40	MAINLINE		27	440	S PVMT REPLACEMENT	
0010	11+60	-	13+35	MAINLINE		27	440	N PVMT REPLACEMENT	
				TOTAL 0010		54	880		

ASPHALT

						450.4000 HMA COLD WEATHER PAVING	460.2000 INCENTIVE DENSITY HMA PAVEMENT	460.5223 HMA PAVEMENT 3 LT 58-28 S		
CATEGORY	STATION	TO	STATION	LOCATION		TON	DOL	TON	REMARKS	
0010	6+65	-	8+90	SOUTH OF BRIDGE		111	70	111		
0010	11+10	-	13+35	NORTH OF BRIDGE		111	70	111		
0010	6+65	-	13+35	POSSIBLE ASPHALT WEDGING		4	0	4		
				TOTAL 0010		226	140	226		

NOTES:
ASSUMED ASPHALT AT 112 LBS/SY/IN

GRUBBING

						201.0205 GRUBBING		
CATEGORY	STATION	TO	STATION	LOCATION		STA	REMARKS	
0010	7+00	-	9+00	RT		2	COUNTY TO CLEAR OVER WINTER	
0010	11+00	-	13+00	RT		2		
				TOTAL 0010		4		

BASE AGGREGATE

						305.0110 BASE AGGREGATE DENSE 3/4-INCH	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	624.0100 WATER		
CATEGORY	STATION	TO	STATION	LOCATION		TON	TON	MGAL	REMARKS	
0010	6+65	-	9+00	MAINLINE		70	520	6	SOUTH APPROACH	
0010	11+00	-	13+35	MAINLINE		70	520	6	NORTH APPROACH	
0010	8+40	-	11+60	UNDISTRIBUTED		--	--	--	POSSIBLE CAUSEWAY	
				TOTAL 0010		140	1,040	12		

GUARDRAIL

						204.0165 REMOVING GUARDRAIL	614.2300 MGS GUARDRAIL 3	614.2500 MGS THRIE BEAM TRANSITION	614.2610 MGS GUARDRAIL TERMINAL EAT		
CATEGORY	STATION	TO	STATION	LOCATION		LF	LF	LF	EACH	REMARKS	
0010	7+50	-	9+00	LT		69	38	38	1		
0010	6+90	-	9+00	RT		67	88	38	1		
0010	11+00	-	13+10	LT		74	88	38	1		
0010	11+00	-	12+50	RT		66	38	38	1		
				TOTAL 0010		276	250	150	4		

ALL QUANTITIES CATEGORY 0010 UNLESS OTHERWISE NOTED

PROJECT WIDE ITEMS																			
TEMPORARY FENCE SAFETY																			
213.0100.01 619.1000 623.0200 628.1905 628.1910 642.5001 999.2005.S.01																			
FINISHING ROADWAY (PROJECT) (01. 3584-00-70) MOBILIZATION DUST CONTROL SURFACE TREATMENT SY MOBILIZATIONS EROSION CONTROL EACH MOBILIZATIONS EMERGENCY EROSION CONTROL EACH FIELD OFFICE TYPE B EACH MAINTAINING BIRD DETERRENT SYSTEM (STATION) (01. 10+00) EACH																			
CATEGORY	LOCATION	616.0700.S FENCE SAFETY LF	REMARKS	CATEGORY	STATION	TO	STATION	LOCATION	EACH	EACH	SY	EACH	EACH	EACH	REMARKS				
0010	SOUTH OF BRIDGE	340		0010	8+40	-	11+60	PROJECT-WIDE	1	1	1,130	4	4	1	1				
	TOTAL 0010	340						TOTAL 0010	1	1	1,130	4	4	1	1				
EROSION CONTROL AND FINISHING ITEMS																			
618.0100.01 MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) (01. 3584-00-70)																			
625.0500 628.1504 628.1520 628.2008 628.6005 629.0210 630.0170 630.0200 630.0500																			
SALVAGED TOPSOIL SILT FENCE MAINTENANCE EROSION MAT URBAN CLASS I TURBIDITY BARRIERS FERTILIZER TYPE B SEEDING MIXTURE NO. 70 SEEDING TEMPORARY SEED WATER																			
CATEGORY	STATION	LOCATION	EACH	REMARKS	CATEGORY	STATION	TO	STATION	LOCATION	SY	LF	LF	SY	SY	CWT	LB	LB	MGAL	REMARKS
0030	CTH D	PROJECT-WIDE	1		0010	8+40	-	10+00	LT	131	271	542	131	94	0.2	1	8	6.2	
		TOTAL 0030	1		0010	8+40	-	10+00	RT	383	256	512	383	-	0.4	2	15	11.8	
					0010	10+00	-	11+60	LT	353	253	506	353	187	0.4	2	14	11.1	
					0010	10+00	-	11+60	RT	402	270	540	402	-	0.4	2	15	12.4	
					0010			UNDISTRIBUTED		-	265	530	127	-	0.6	0	13	10.0	
								TOTAL 0010		1,269	1,315	2,630	1,396	281	2.0	7	65	51.5	
SIGNS																			
634.0614 637.2210 637.2230 638.2602 638.3000																			
POSTS WOOD 4X6-INCH X 14-FT SIGNS TYPE II REFLECTIVE H SF SIGNS TYPE II REFLECTIVE F SF REMOVING SIGNS TYPE II EACH REMOVING SMALL SIGN SUPPORTS EACH																			
CATEGORY	LOCATION	EACH	SF	SF	EACH	EACH	REMARKS												
0010	SE AND NW BRIDGE CORNERS	--	6	--	2	--	R9-55: NO FISHING FROM BRIDGE, x2 SIGNS												
0010	NW CORNER	1	--	3	1	1	W5-52R: CLEARANCE STRIPER DOWN LEFT												
0010	SW CORNER	1	--	3	1	1	W5-52L: CLEARANCE STRIPER DOWN RIGHT												
0010	NE CORNER	1	--	3	1	1	W5-52L: CLEARANCE STRIPER DOWN RIGHT												
0010	SE CORNER	1	--	3	1	1	W5-52R: CLEARANCE STRIPER DOWN LEFT												
	TOTAL 0010	4	6	12	6	4													
ALL QUANTITIES CATEGORY 0010 UNLESS OTHERWISE NOTED																			
PROJECT NO: 3584-00-70			HWY: CTH D			COUNTY: JEFFERSON			MISCELLANEOUS QUANTITIES					SHEET NO:		E			

TRAFFIC CONTROL

CATEGORY	LOCATION	DURATION		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0900 TRAFFIC CONTROL SIGNS		643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II	643.5000 TRAFFIC CONTROL	REMARKS	
		DAYS	NO.	DAY	NO.	DAY	NO.	DAY	EACH	EACH			
0010	PER SDD 15C2	142	18	2,556	28	3,976	6	852	--	--	BRIDGE OUT & ROAD CLOSED TO THRU TRAFFIC SIGNS DETOUR SIGNS & SIGN COVERS		
0010	DETOUR PLAN	142	--	--	--	--	73	10,366	1	--			
0010	CTH D	--	--	--	--	--	--	--	--	1			
TOTAL 0010				2,556		3,976		11,218	1	1			

STAKING

MARKING LINE EPOXY 4-INCH

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH	646.6464 COLD WEATHER MARKING EPOXY 4-INCH	REMARKS
					LF	LF	
0010	6+65	-	13+35	LT	670	670	EDGE LINE
0010	6+65	-	13+35	RT	670	670	EDGE LINE
0010	6+65	-	13+35	CENTER	670	670	SOLID CENTERLINE
0010	7+85	-	12+15	CENTER	430	430	SOLID CENTERLINE
0010	6+65	-	7+85	CENTER	30	30	DASHED CENTERLINE 100' SOUTH OF BRIDGE
0010	12+15	-	13+35	CENTER	30	30	DASHED CENTERLINE 100' NORTH OF BRIDGE
TOTAL 0010					2,500	2,500	

CONTRACTOR TO PLACE PAVEMENT MARKING AFTER 2" ASPHALT SURFACE IS PLACED BY OTHERS.

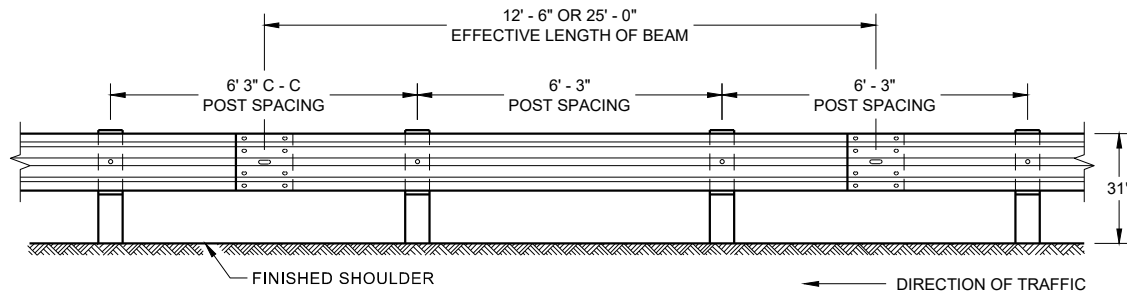
SAWING ASPHALT

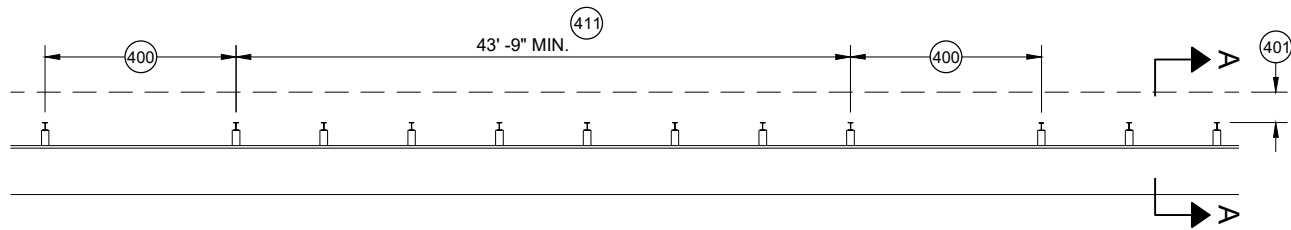
CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT	REMARKS
					LF	
0010	8+40	-	11+60	MAINLINE	44	APPROACHES
TOTAL 0010					44	

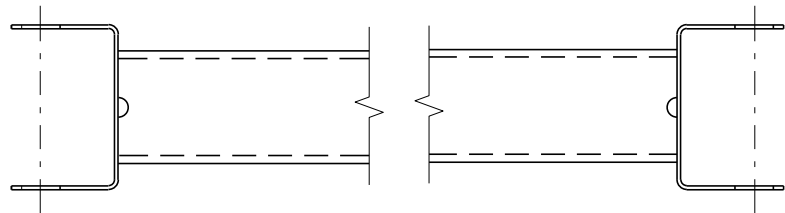
ALL QUANTITIES CATEGORY 0010 UNLESS OTHERWISE NOTED

Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
13C19-03	HMA LONGITUDINAL JOINTS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS

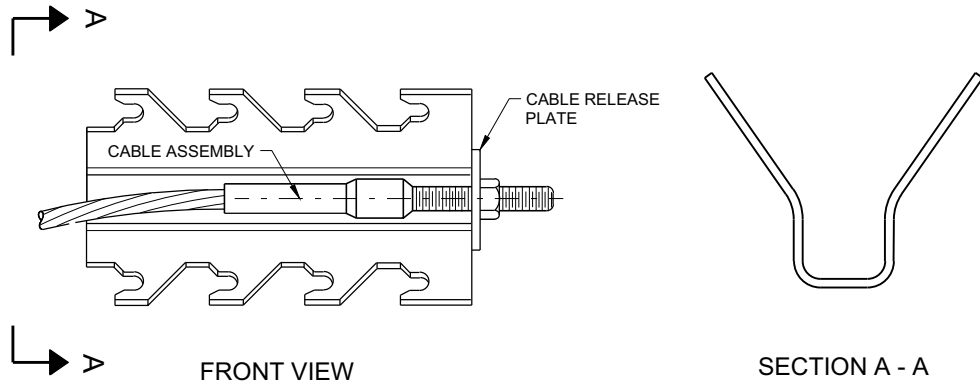




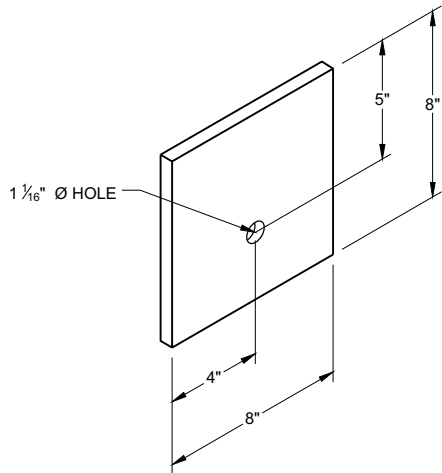


GENERIC GROUND STRUT 9 E

BILL OF MATERIALS	
PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
1	UPPER POST NO. 1 6" X 6" TUBE
2	LOWER POST NO. 1
3	WOOD CRT
4	WOOD BLOCKOUT
5	PIPE SLEEVE
6	BEARING PLATE
7	BCT CABLE ASSEMBLY
8	ANCHOR CABLE BOX
9	GROUND STRUT
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
11	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
12	IMPACT HEAD
13	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
14	SOIL PLATE
15	UPPER POST NO. 2
16	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX 9 E



BEARING PLATE 6 E

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

