

JACKSON - WILSON / SNAKE RIVER BRIDGE

PROJECT NUMBER 2000058

INDEX OF SHEETS

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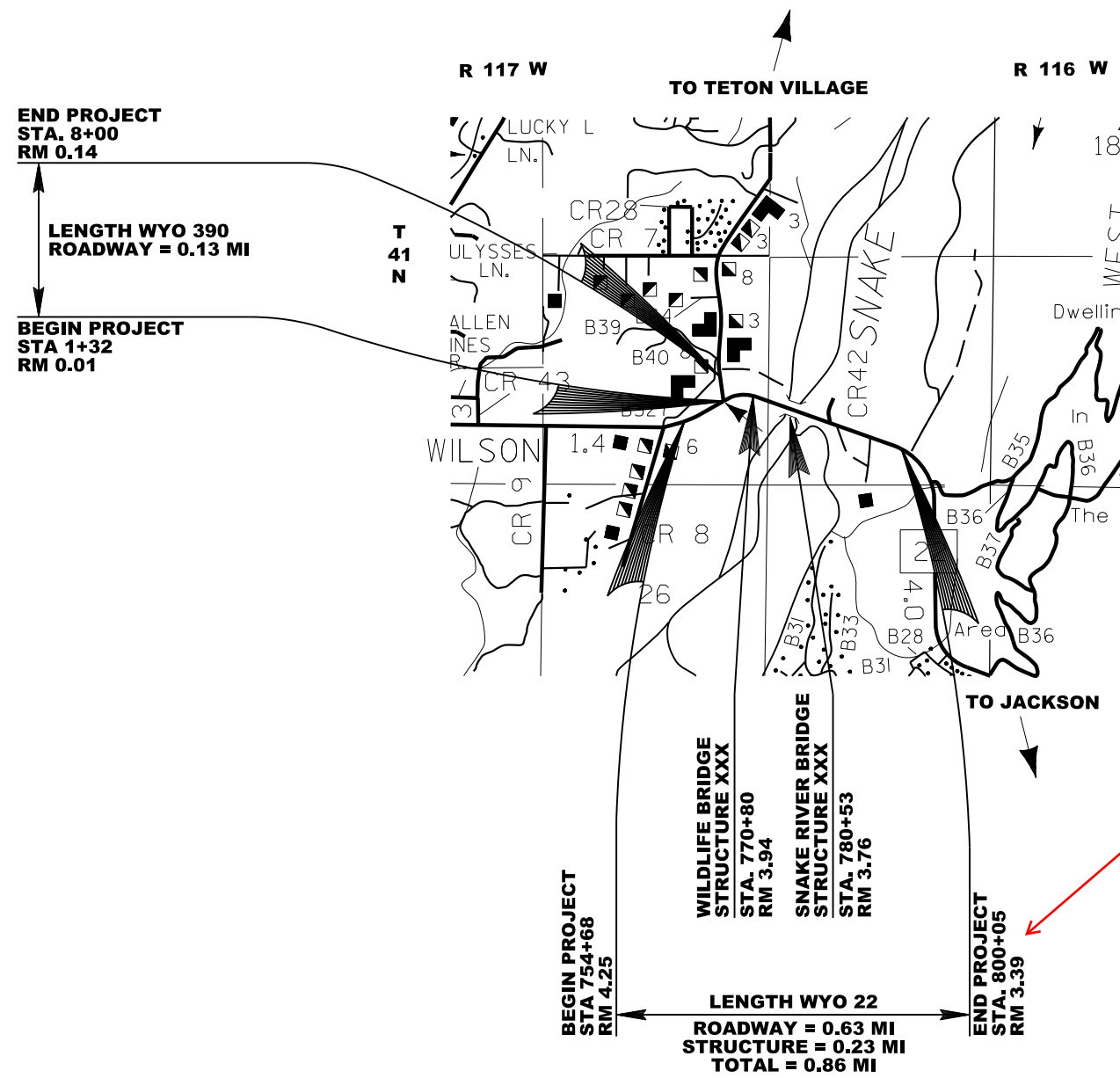
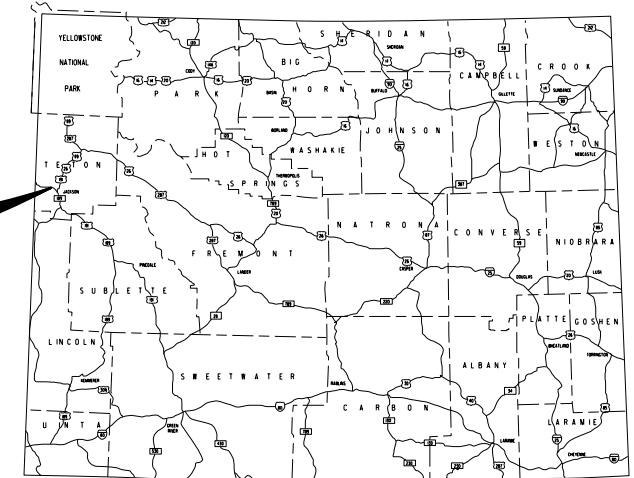
SHEET NO.	DWG. NO.	STRUCTURES
B1 - BXX	XXXX	WILDLIFE BRIDGE
BXX - BXX	XXXX	SNAKE RIVER BRIDGE
BXX - BXX	XXXX	TYPE X CURB RETAINING WALL?

STANDARD PLAN NUMBER	NO. OF SHTS	TITLE
202-1	5	MAILBOX INSTALLATIONS, APPROACHES AND MEDIAN CROSSOVERS
203-2A	1	EARTHWORK
206-1A	1	CULVERT AND TRENCH EXCAVATION
215-1	11	TEMPORARY EROSION CONTROL MEASURES FOR STORM WATER POLLUTION PREVENTION
414-1B	4	CONCRETE PAVEMENT
414-2	3	CONCRETE PAVEMENT JOINTS
603-1A	6	PIPE FILL HEIGHT CHART AND INSTALLATION DETAILS
603-2	2	CMP FLARED END SECTIONS
603-5	4	PIPE COLLARS
606-2A	16	MGS GUARDRAIL
606-3A	14	MGS FABRICATION STANDARDS
607-1A	6	WIRE FENCE
607-3	3	INDUSTRIAL GATES
609-1B	3	CURB AND GUTTER, DOUBLE GUTTER AND MEDIAN PAVING
615-1	5	CATTLE GUARDS
619-1	5	TRASH GUARDS FOR PIPE
625-1	1	INLET TYPE M1 FOR MEDIAN DRAINS

STATE OF WYOMING
WYOMING DEPARTMENT OF TRANSPORTATION

JACKSON - WILSON ROAD SNAKE RIVER BRIDGE TETON COUNTY

LENGTH IN MILES		PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GROSS	NET			
0.99	0.99	2000058	1	



Note - Shortened length

APPROVED: _____ DATE 08/11/2022
 CHIEF ENGINEER
 DESIGNED BY RIDLEY'S SQUAD

R/W & ENGINEERING
PLANS
06/29/2020

PROFESSIONAL SEALS

"AS CONSTRUCTED PLANS"

RESIDENT ENGINEER	LAND SURVEY

"DESIGN PLANS"

PROJECT DEVELOPMENT	PHOTOGRAMMETRY & SURVEYS	MATERIALS	BRIDGE DESIGN
TRAFFIC	TRAFFIC (ELECTRICAL)	RIGHT-OF-WAY	GEOLOGY
ITS			

LEGEND

** UNDERGROUND UTILITIES ARE APPROXIMATE LOCATION **

SOME TOPOGRAPHIC FEATURES RESEMBLE OTHER FEATURES OR USE THE SAME SYMBOLOGY. THAT SYMBOLOGY SHOULD NOT BE RELIED UPON SOLELY, BUT TAKEN IN CONTEXT WITH SURROUNDING FEATURES AND VERIFIED IN THE FIELD.

SURVEY CONTROL FEATURES

AUXILIARY CONTROL	
CENTER OF ROADWAY POINT	
ENGINEERING MARKER	
FLIGHT LINE TARGET	
HIGHWAY MONUMENT	
PERMANENT BENCHMARK	
PHOTO CENTER	
PICKED POINT	
PROJECT CONTROL POINT	
PROPERTY CORNER	
TEMPORARY BENCHMARK	
TEMPORARY CONTROL	
USPLSS CORNER	
WING POINT	

TRAVELED WAY FEATURES

BRIDGE PIER	
BRIDGE RAIL	
CATTLE GUARD	
CONCRETE BARRIER	
CURB	
EDGE OF TRAVELED WAY	
GUARDRAIL	
CABLE GUARDRAIL	
MAIL BOX	
RAILROAD	
REFERENCE MARKER	
RETAINING WALL	
SURFACED ROAD	
TRAIL	
UNSURFACED ROADS	

SPECIAL TOPOGRAPHIC FEATURES

BRUSH	
BUSH	
CULTIVATED FIELD	
MARSH	
MARSH BOUNDARY	
ROCK OUTCROPPING	
SINGLE TREE	
TREE LINE	

SIGN FEATURES

BILLBOARD	
MAJOR SIGN	
MEMORIAL MARKER	
SMALL SIGN	
STRUCTURAL SIGN	

IRRIGATION & DRAINAGE FEATURES

CHANNEL CHANGE	
DROP INLET	
EARTHEN DAM	
FLARED ENDS	
GUTTER DRAIN	
HEADGATE	
HEADWALL	
INTERMITTENT STREAM	
IRRIGATION BOX	
IRRIGATION DITCH - EXISTING	
IRRIGATION DITCH - PROPOSED	
LARGE PIPE - EXISTING	
LIVE WATER	
SMALL PIPE - EXISTING	
SPRINKLER HEAD	
RIPRAP	
WASTE DITCH - EXISTING	
WASTE DITCH - PROPOSED	
WEIR	
WINGWALL	

MISCELLANEOUS FEATURES

BEE HIVE	
BUILDING	
FOUNDATION	
GAS PUMP	
GRAVE	
PARKING BLOCK	
PROPANE TANK	
STOCK TANK	
STORAGE TANK	
WINDMILL	

CONSTRUCTION LIMITS

CUT	
FILL	
TRANSITION	

UTILITY FEATURES

FIRE HYDRANT	
GAS & OIL VALVE	
GUY ANCHORS	
MANHOLES	
OH COMB POWER/TELE POLE	
OH FIBER OPTIC LINE	
OH POWER LINE	
OH POWER POLE	
OH TELEPHONE LINE	
OH TELEPHONE POLE	
OH UNDEFINED UTILITY POLE	
POLE	
SANITARY SEWER LIFT STATION	
SANITARY SEWER LINE	
STOP LIGHT	
STORM SEWER LINE	
STREET LIGHT	
TELEPHONE BOOTH	
TRANSMISSION TOWER	
UG FIBER OPTIC LINE	
UG GAS	
UG OIL	
UG POWER LINE	
UG TELEPHONE LINE	
UG TELEVISION LINE	
UG UNDEFINED UTILITY	
WATER LINE	
WATER METER BOX	
WATER SPIGOT	
WATER VALVE	
WELL	

R.O.W. BOUNDARY AND LAND LINE FEATURES ①

CITY LIMITS	
CONTINUOUS LAND OWNERSHIP	
CORPORATE LIMIT	
CORRIDOR LIMIT LINE	
COUNTY LINE	
EASEMENT LINE	
GOVERNMENT SURV. TRACT LINE	
HIGHWAY R/W LINE - EXISTING	
HIGHWAY R/W LINE - PROPOSED	
LOT LINE	
NON R/W ACCESS CONTROL LINE	
NON R/W NO ACCESS LINE	

R.O.W. BOUNDARY AND LAND LINE FEATURES CONT'D

PROPERTY LINE	
QUARTER SECTION LINE	
1/4 & 1/16 CORNER	
RAILROAD R/ W LINE - EXISTING	
RESERVATION, PARK OR FOREST	
R/W ACCESS CONTROL LINE - EXISTING	
R/W ACCESS CONTROL LINE - PROPOSED	
R/W NO ACCESS LINE - EXISTING	
R/W NO ACCESS LINE - PROPOSED	
SECTION CORNER	
1/16 & CENTER SECTION	
SIXTEENTH SECTION LINE	
STATE LINE	
SUB DIVISION BOUNDARY LINE	
TOWNSHIP, RANGE OR SECTION LINE	
URBAN LIMIT	

FENCING FEATURES ①

BARBED WIRE FENCE - EXISTING	
BARBED WIRE FENCE - PROPOSED	
BLOCK FENCE - EXISTING	
BLOCK FENCE - PROPOSED	
BUCK & POLE FENCE - PROPOSED	
CEDAR FENCE - PROPOSED	
DEER FENCE - PROPOSED	
GATE	
INDUSTRIAL FENCE - EXISTING	
INDUSTRIAL FENCE - PROPOSED	
OTHER FENCE - EXISTING	
OTHER FENCE - PROPOSED	
SNOW FENCE - EXISTING	
SNOW FENCE - PROPOSED	
SPECIAL FENCE - PROPOSED	

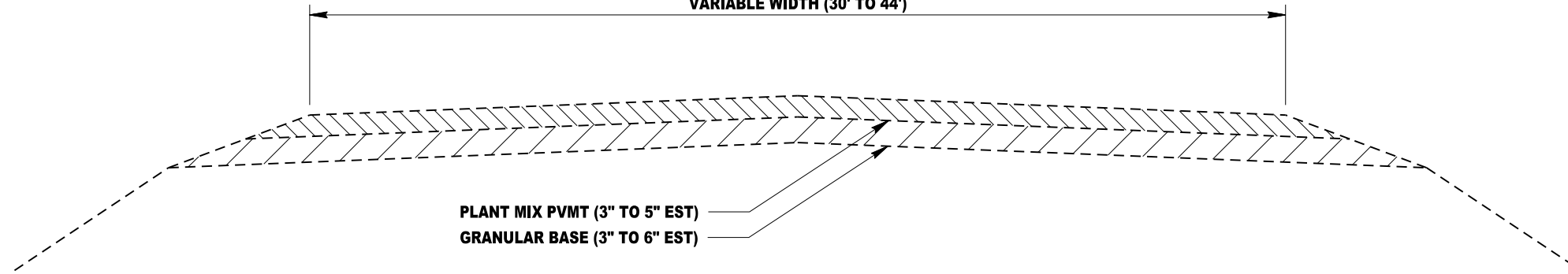
* FENCE TYPE DESIGNATED BY LETTER T through Z INSIDE BOX .

① A FENCING FEATURE MAY BE INTEGRATED WITH A R.O.W. BOUNDARY FEATURE TO PRODUCE A COMBINATION FEATURE IN THE PLANS.

EXISTING TYPICAL SECTIONS

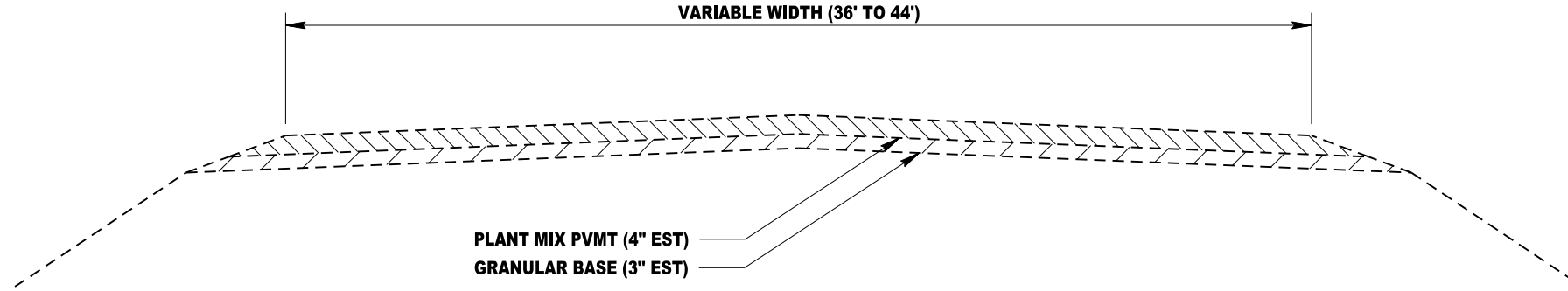
WYO 22

VARIABLE WIDTH (30' TO 44')



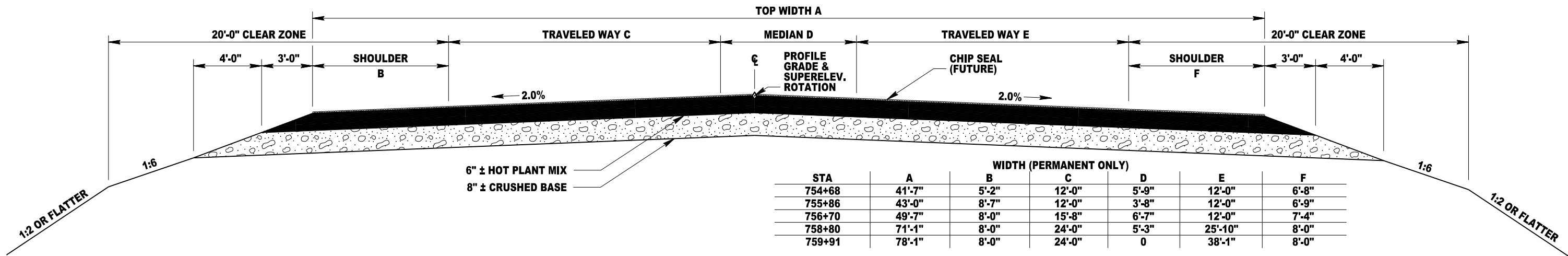
WYO 390

VARIABLE WIDTH (36' TO 44')

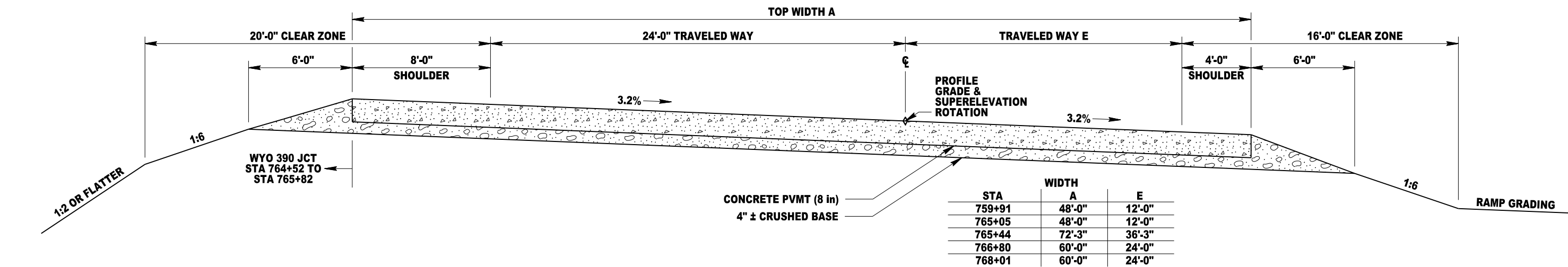


PROPOSED TYPICAL SECTIONS

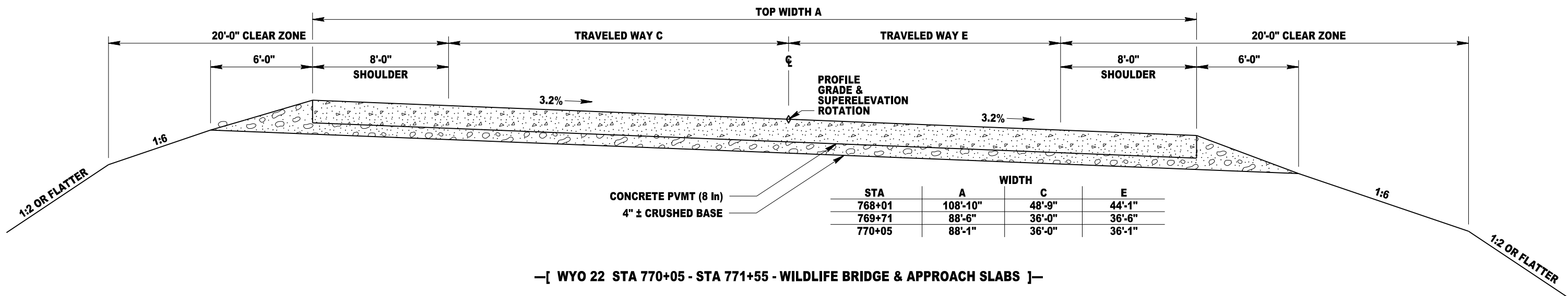
WYO 22 STA 754+68 - STA 759+91



WYO 22 STA 759+91 - STA 768+01



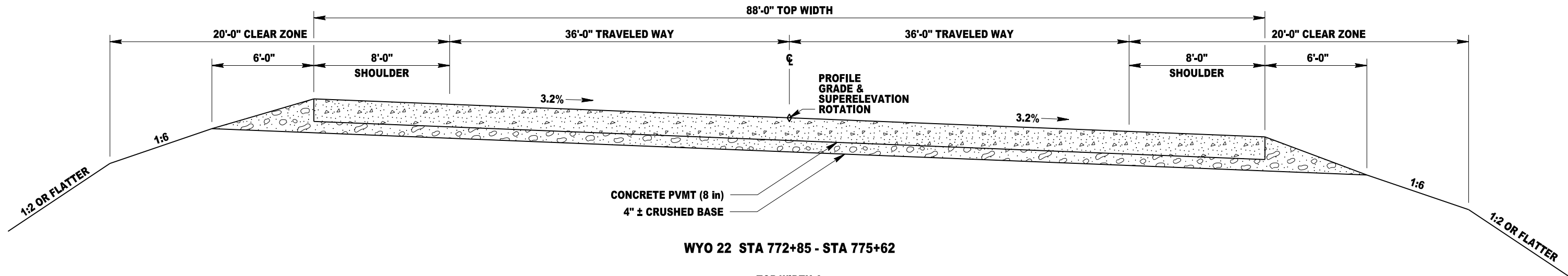
WYO 22 STA 768+01 - STA 770+05



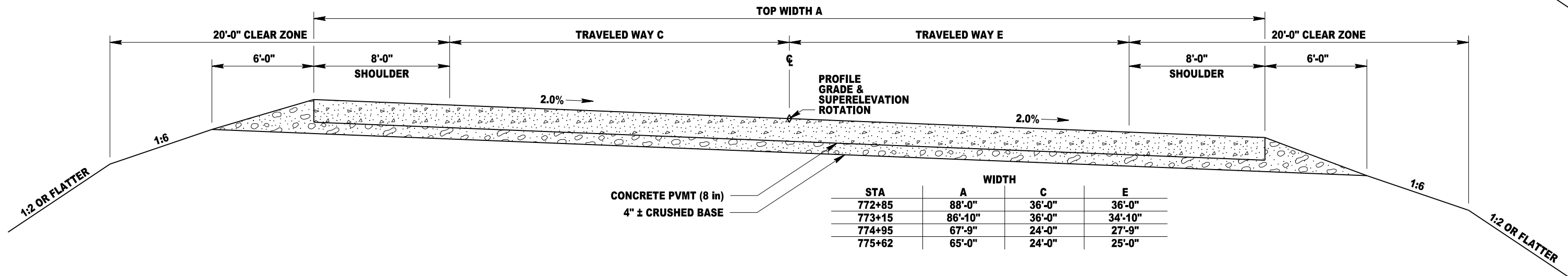
— [WYO 22 STA 770+05 - STA 771+55 - WILDLIFE BRIDGE & APPROACH SLABS] —

PROPOSED TYPICAL SECTIONS

WYO 22 STA 771+55 - STA 772+85

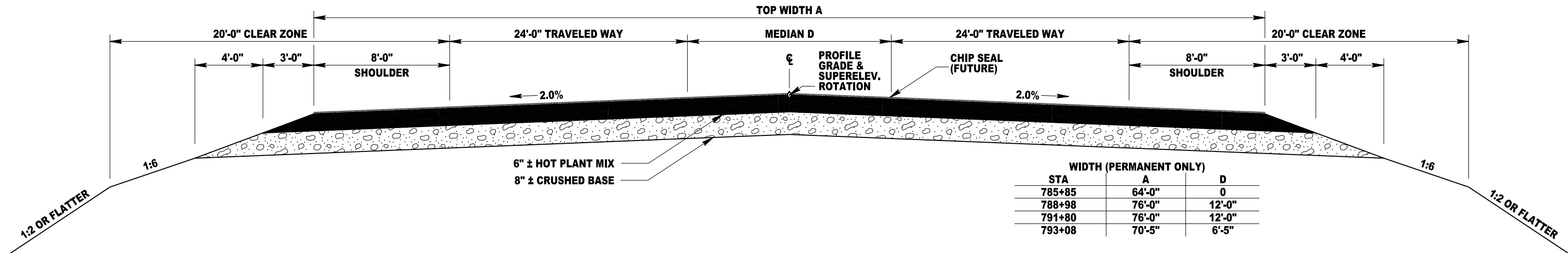


WYO 22 STA 772+85 - STA 775+62



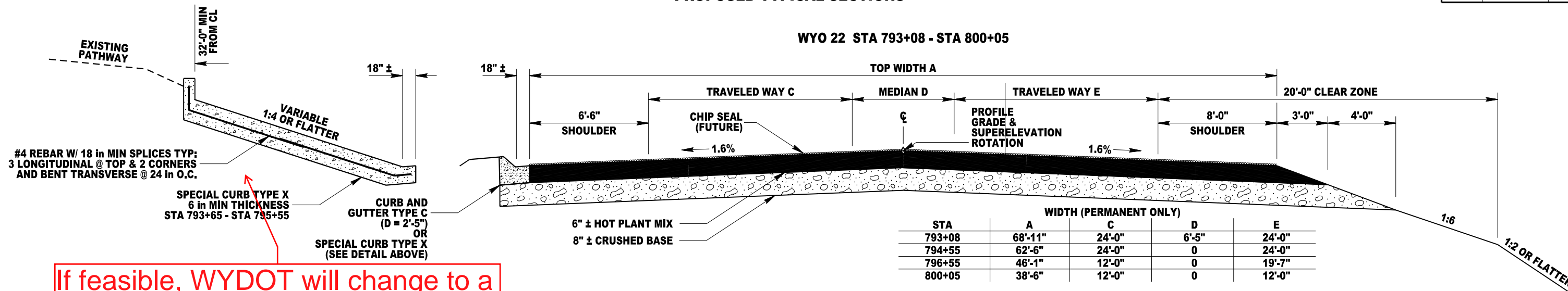
—[WYO 22 STA 775+62 - STA 785+85 - SNAKE RIVER BRIDGE & APPROACH SLABS]—

WYO 22 STA 785+85 - STA 793+08



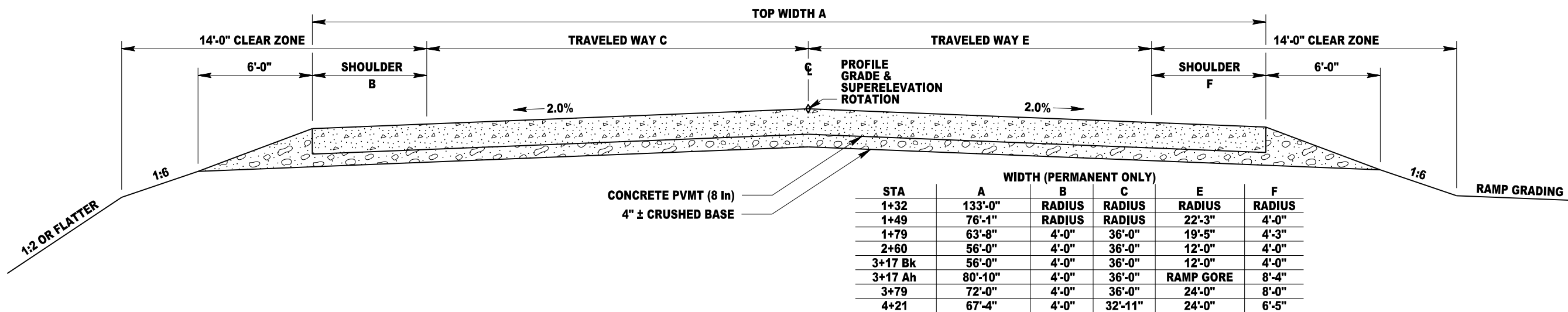
PROPOSED TYPICAL SECTIONS

WYO 22 STA 793+08 - STA 800+05

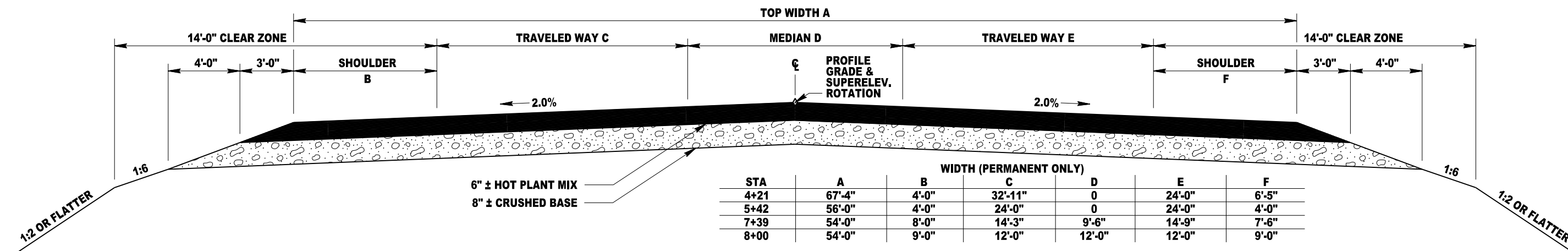


If feasible, WYDOT will change to a dirt slope instead of concrete

WYO 390 STA 1+32 - STA 4+21

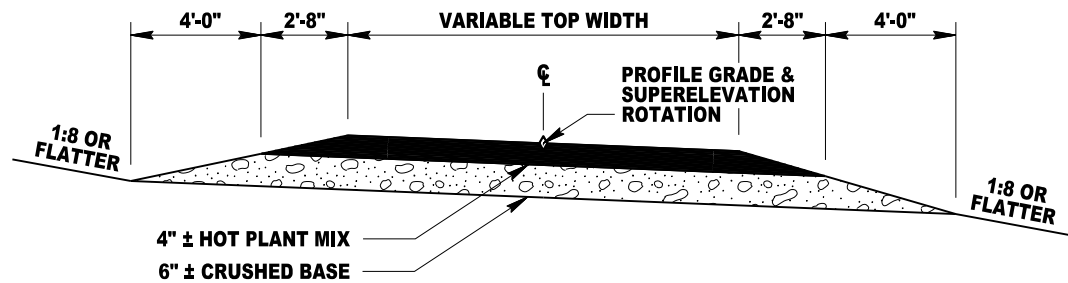


WYO 390 STA 4+21 - STA 8+00

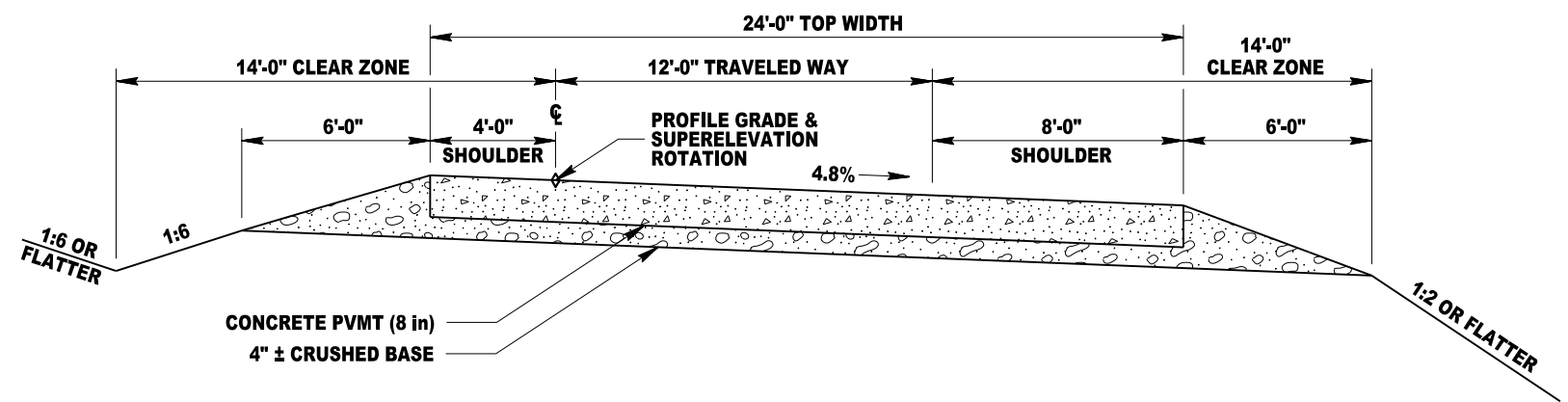


PROPOSED TYPICAL SECTIONS

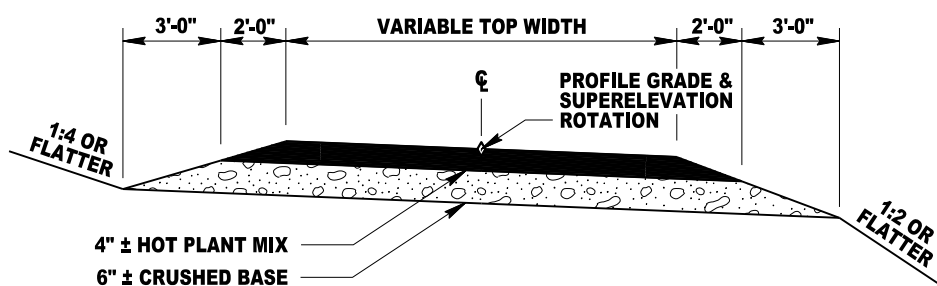
APPROACH WITHIN MAINLINE CLEAR ZONE



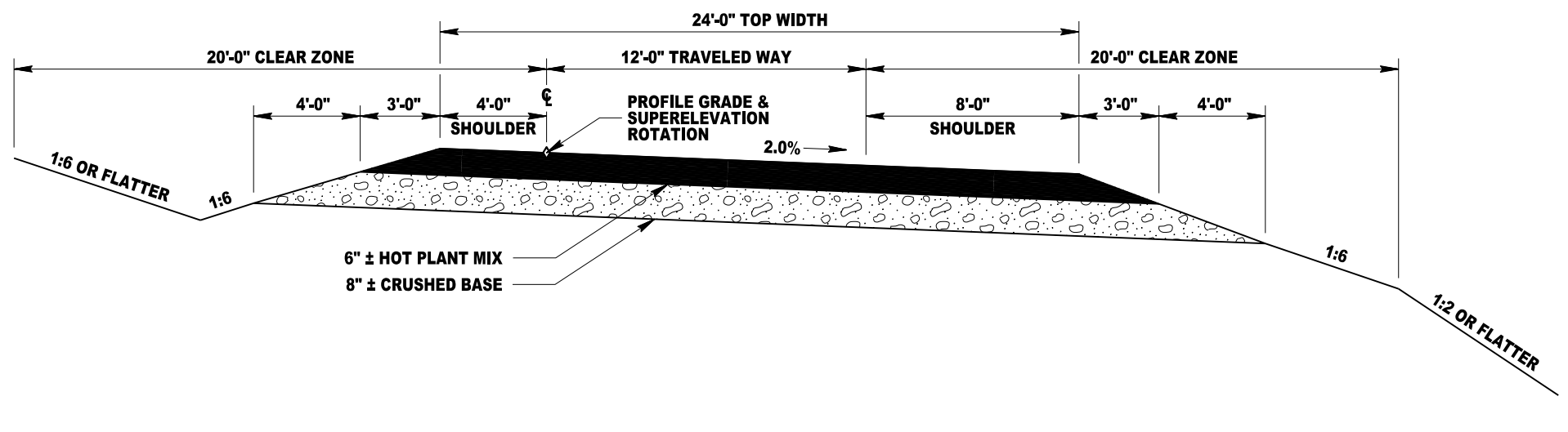
RAMP NE
STA 50+00 - STA 53+47



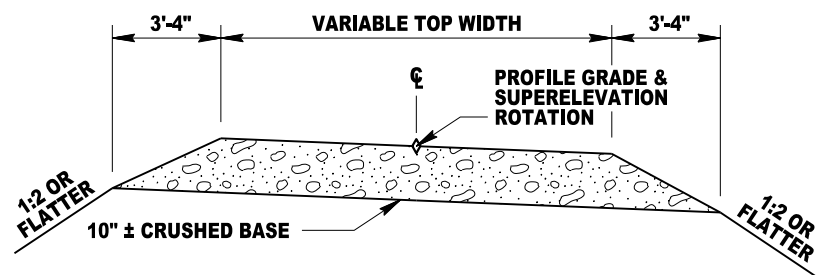
APPROACH WITHIN R/W



RAMP SW
STA 70+00 - STA 78+00

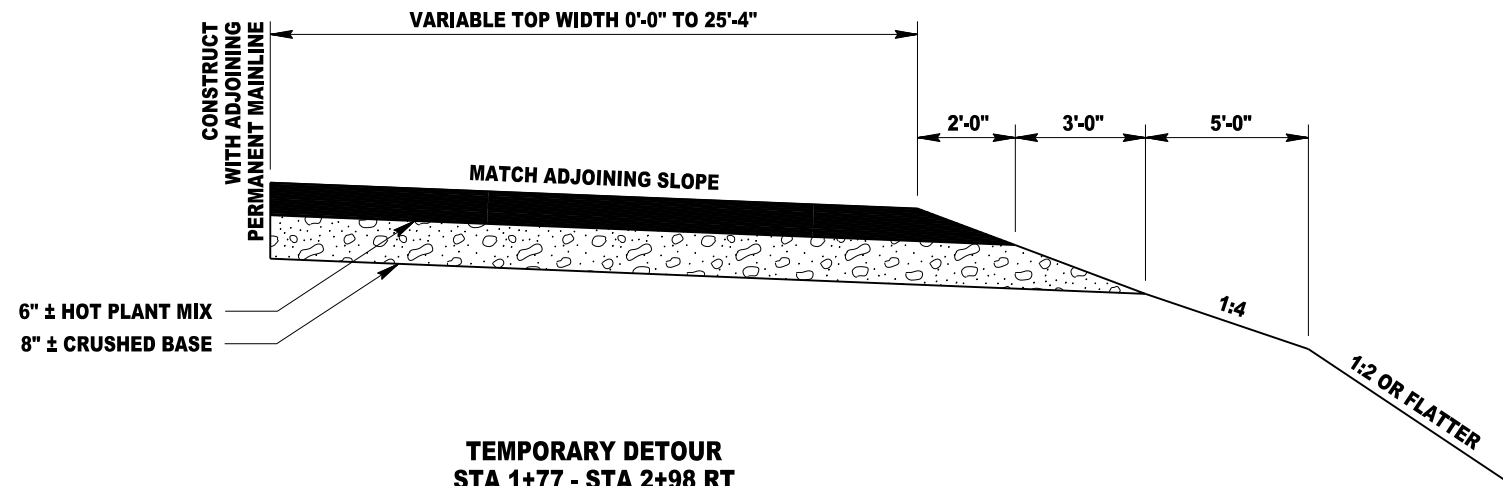


APPROACH OUTSIDE R/W

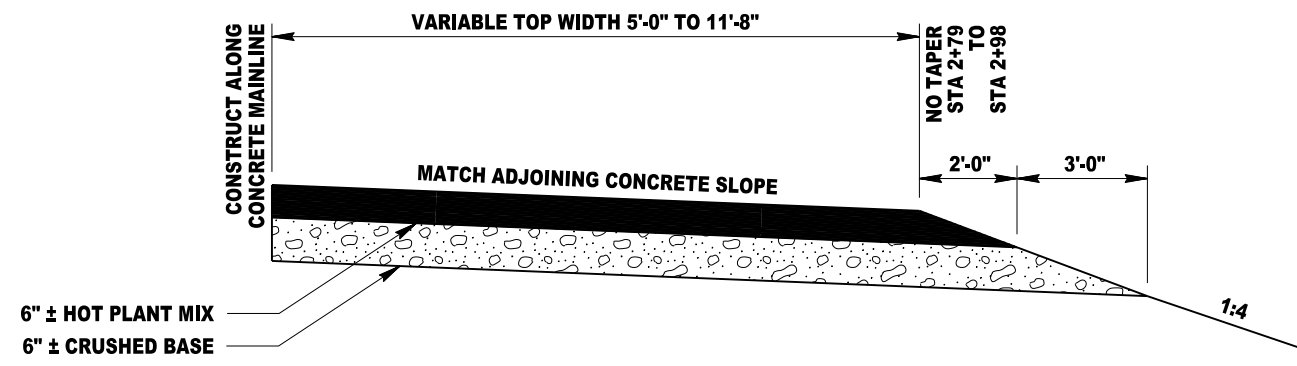


**PROPOSED TYPICAL SECTIONS
2000058**

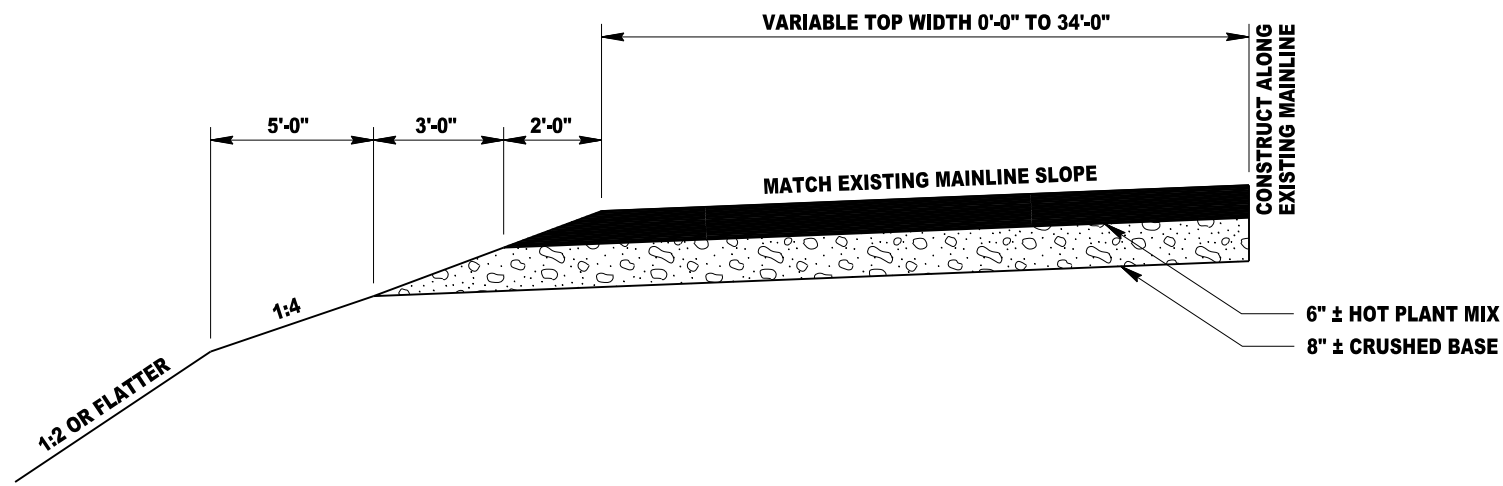
**TEMPORARY DETOUR
STA 752+95 - STA 759+90 RT
STA 792+03 - STA 802+68 RT**



**TEMPORARY DETOUR
STA 1+77 - STA 2+98 RT**

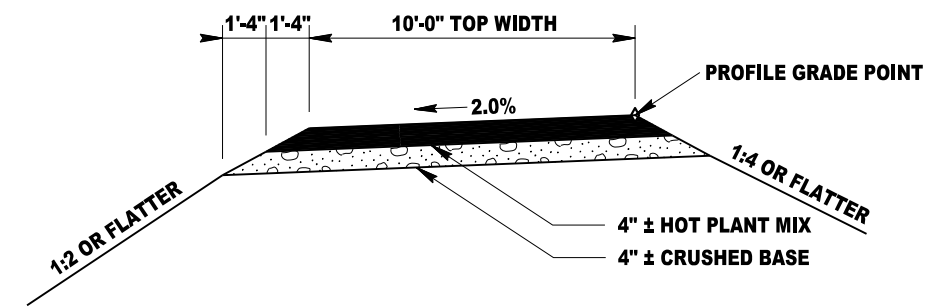


**TEMPORARY DETOUR
STA 765+31 - STA 765+71 LT
STA 768+55 - STA 773+23 LT
STA 4+02 - STA 9+13 LT**

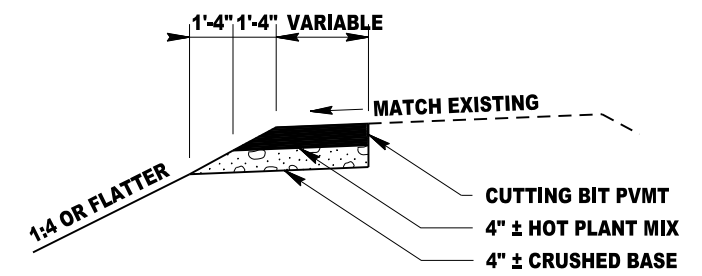


**PROPOSED TYPICAL SECTIONS
ARS XXX**

**PATHWAY
STA 790+75 - STA 790+99 LT**



**PATHWAY WIDENING
STA 11+70 - STA 12+08 LT**



MATERIALS AND RATES SUMMARY 1 OF 2

RATES AND WEIGHTS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO ADJUSTMENT ON CONSTRUCTION.

ITEM	GRADE	ESTIMATED RATE	REMARKS
EXCAVATION AND EMBANKMENT EMBANKMENT WATER (OPTIMUM MOISTURE) WATER (DUST CONTROL) WATER		39 GAL/CY 5 GAL/CY 44 GAL/CY	AVAILABLE MATERIAL SOURCES: WITHIN EXISTING RIGHT-OF-WAY AND PERMITS EXTERNAL AREAS AS DIRECTED AND/OR AS APPROVED
CRUSHED BASE AGGREGATE WATER (OPTIMUM MOISTURE) CRUSHED BASE WATER (OPTIMUM MOISTURE) WATER (FINISHING) WATER	L	138.8 LB/CF (DRY) 8.7 LB/CF (6.3% OF 138.8) 147.5 LB/CF (COMPACTED) 28.2 GAL/CY 10.0 GAL/CY 38.2 GAL/CY	AVAILABLE MATERIAL SOURCE: CONTRACTOR FURNISHED
HOT PLANT MIX AND HOT PLANT MIX APPROACHES AGGREGATE TYPE II HYDRATED LIME ASPHALT BINDER HOT PLANT MIX TACK COAT	1/2 in NOM MAX PG 64-34	134.0 LB/CF (DRY) 1.3 LB/CF (1.0% OF 134.0) 8.2 LB/CF (5.70% OF 143.5) 143.5 LB/CF (COMPACTED) 0.30 LB/SY	AVAILABLE MATERIAL SOURCE: CONTRACTOR FURNISHED SMOOTHNESS TYPE: II MIX PROPERTIES: CLASS III-S LEVEL OF CONTROL: 4 DENSITY REQUIREMENT: II DENSITY (APPROACHES) PER SECTION 401.4.20.2 WIDTH: VARIABLE
CONCRETE PVMT (8 in)			AVAILABLE MATERIAL SOURCE: CONTRACTOR FURNISHED LEVEL OF CONTROL: III DESIGN FLEXURAL STRENGTH: 650 PSI DOWEL BAR: YES TEXTURING: TINED TINING: TRANSVERSE ASR TESTING: YES SEALING JOINTS: SILICONE

CONTACT THE RESIDENT ENGINEER FOR WATER SOURCE.
MIX DESIGN AND IRI DATA IS AVAILABLE THROUGH PLAN SALES.

MATERIALS AND RATES SUMMARY 2 OF 2

RATES AND WEIGHTS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO ADJUSTMENT ON CONSTRUCTION.

ITEM	GRADE	ESTIMATED RATE	REMARKS
TOPSOIL TOPSOIL WATER		6 in ± 5.0 GAL/CY	SALVAGE ALL AVAILABLE AND REPLACE SOME SLOPES HAVE THIN EXISTING TOPSOIL LAYER WHICH MAY REQUIRE SPECIAL TECHNIQUES FOR SALVAGE, INCLUDING THE USE OF A DOZER. RIP SLOPES 1V:3H AND FLATTER, OR IF TOO ROCKY TO RIP, OTHERWISE PROVIDE A ROUGH SURFACE, PRIOR TO PLACING TOPSOIL. WATER FOR DUST CONTROL AND EASE OF HANDLING
SEEDING CRITANA THICKSPIKE WHEATGRASS PRYOR SLENDER WHEATGRASS ELKTON BLUE WILDRIE SHERMAN BIG BLUEGRASS NORTRAN TUFTED HAIRGRASS STREAKER REDTOP BENTGRASS APPAR BLUE FLAX (<i>Linium perenne</i>) WESTERN YARROW (<i>Achillea millefolium, var. occidentalis</i>) WOODS ROSE (<i>Rosa woodsii</i>) TOTAL MIXTURE SEED:		4.0 LB PURE LIVE SEED/ACRE 4.0 LB PURE LIVE SEED/ACRE 3.0 LB PURE LIVE SEED/ACRE 2.0 LB PURE LIVE SEED/ACRE 1.0 LB PURE LIVE SEED/ACRE 0.3 LB PURE LIVE SEED/ACRE 1.0 LB PURE LIVE SEED/ACRE 0.2 LB PURE LIVE SEED/ACRE 1.0 LB PURE LIVE SEED/ACRE 16.5 LB PURE LIVE SEED/ACRE	DRILL SEED TO A DEPTH OF 1/2 in TO 1/4 in. ON SLOPES INACCESSIBLE TO DRILL, BROADCAST SEED AT 1.5X THE GIVEN RATE AND LIGHTLY CHAIN-DRAW OR HARROW TO COVER. DO NOT USE SINGLE-BOX WHEAT DRILL. PROVIDE DRILL WITH DRAG CHAINS OR PRESS WHEELS AND ADDED SMALL SEEDBOX.
FERTILIZER	TYPE II	20 LB AVAIL NITROGEN/ACRE	ANALYSIS 18-46-0 OR 11-52-0
HYDRAULIC MULCHING FIBER MULCH MULCH TACKIFIER WATER	VIRGIN WOOD TYPE GU	1.0 TON/ACRE 80 LB/ACRE 4000 GAL/ACRE	USE ON ROCKY OR IRREGULAR SLOPES NOT PRACTICAL TO PIN BLANKET. APPLY WITHIN 24 HOURS OF SEEDING. WATER INCIDENTAL TO MULCHING
EROSION CONTROL BLANKET	TYPE STC OR EX-3		USE ON PINNABLE SMOOTH SLOPES STEEPER THAN 1V:3H. DO NOT USE IN HIGH FLOW DRAINAGE AREAS.
COCONUT FIBER DITCH LINING	TYPE COC		USE ON PINNABLE HIGH FLOW DITCH BOTTOMS STEEPER THAN 3%.
EXCELSIOR SEDIMENT LOG	TYPE EX		USE ON BORROW CUTS AND OTHER CONCENTRATED FLOW DRAINAGE LOCATIONS AS DIRECTED.

CONTACT THE RESIDENT ENGINEER FOR WATER SOURCE.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITIES		
			CODE 04		
			2000058	ARSXXXX	
			ROADWAY	STRUCTURE	AMENITIES
106.05110	FIELD LABORATORY	LS	LUMP SUM		
106.05200	CONTRACTOR TESTING	LS	LUMP SUM		
109.04000	FORCE ACCOUNT WORK	\$\$	\$10,000		\$1,000
109.08000	MOBILIZATION	LS	LUMP SUM		LUMP SUM
202.03170	REMOVAL OF GUARDRAIL	FT	693		
202.03205	REMOVAL OF FENCE	FT	14200		
202.03305	MILLING PLANT MIX	SY	2610		
202.03317	MILLING CONCRETE	SY	2		
202.03600	CUTTING BIT PVMT	FT	5200		60
203.02500	UNCLASSIFIED EXCAVATION	CY	50000		
207.03100	TOPSOIL STORING	CY	7240		
207.03200	TOPSOIL PLACING	CY	7240		
209.01000	WATER	MG	2100		
211.03315	CULVERT CLEANING	EA	1		
215.01000	CONTRACTOR STORM WATER CONTROL	LS	LUMP SUM		
215.01010	DEPARTMENT STORM WATER CONTROL	\$\$	\$10,000		
215.03402	EXCELSIOR SEDIMENT LOG	FT	200		
216.03100	SEEDING (PLS)	LB	151		
216.03130	FERTILIZER TYPE II	LB	182		
216.03600	HYDRAULIC MULCHING	TON	2		
216.03910	EROSION CONTROL BLANKET	SY	21800		
216.03955	COCONUT FIBER DITCH LINING	SY	2180		
301.01085	CRUSHED BASE	CY	8500		
401.02000	HOT PLANT MIX	TON	7100		
401.02055	HOT PLANT MIX APPROACHES	TON	406		
401.03326	ASPHALT BINDER (PG 64-34)	TON	411		
407.01000	TACK COAT	TON	7		
412.01050	BIKE PATH (PLANT MIX)	SY			110
413.01000	HYDRATED LIME	TON	66		
414.01035	CONCRETE PVMT (8 in)	SY	13700		
506.01018	DRILLED SHAFT FOUNDATIONS 18 in	FT	14		
511.05000	HAND-PLACED RIPRAP	CY	8		
603.01018	PIPE 18 in	FT	680		
603.03018	PIPE FE SECT 18 in	EA	13		
603.50024	CMP 24 in	FT	14		
603.50042	CMP 42 in	FT	32		
603.52024	CMP FE SECT 24 in	EA	1		
603.52042	CMP FE SECT 42 in	EA	2		
603.71010	PIPE COLLARS	CY	3		
606.01030	MGS GUARDRAIL (WEATHERING STEEL)	FT	669		
606.02060	MGS TERMINAL TYPE I (WEATHERING STEEL)	EA	8		
607.20500	FENCE TYPE E (WOOD POSTS)	FT	212		
607.50100	FENCE DEER	FT	20500		
607.72000	GATES DEER	EA	35		
607.72200	DEER RAMPS	EA	16		
607.80500	BRACE PANELS (DEER)	EA	154		
607.90100	END PANELS	EA	20		
607.90500	END PANELS (DEER)	EA	119		
609.10400	CURB AND GUTTER TYPE C	FT	1010		
609.10120	SPECIAL CURB TYPE X	FT		190	
612.00424	RCP SIPHON 24 in	FT	32		
612.00524	RCP SIPHON FE SECT 24 in	EA	2		
615.01042	CATTLE GUARD (HEAVY DUTY) 42 ft	EA	2		
615.02018	CATTLE GUARD (MEDIUM DUTY) 18 ft	EA	10		
615.02030	CATTLE GUARD (MEDIUM DUTY) 30 ft	EA	4		
615.02036	CATTLE GUARD (MEDIUM DUTY) 36 ft	EA	8		
619.02042	TRASH GUARD CMP 42 in	EA	2		
625.30100	INLET TYPE M1	EA	3		
701.71000	TRAFFIC SIGNAL SYSTEM	LS	LUMP SUM		
702.51000	FLEXIBLE DELINEATORS, TYPE I	EA	50		
703.03100	FLAGGING	HR	500		
703.03110	TEMPORARY TRAFFIC CONTROL	LS	LUMP SUM		
703.03200	SEQUENTIAL CHEVRON	LS	LUMP SUM		
703.03205	PORTABLE VARIABLE MESSAGE SIGN	LS	LUMP SUM		
999.25000	STRUCTURE ITEMS	LS		LUMP SUM	
999.26000	TRAFFIC ITEMS	LS	LUMP SUM		
999.27000	MISCELLANEOUS ITEMS	LS	LUMP SUM		

GUARDRAIL SUMMARY

STATION - STATION (INCLUDING REMOVAL)	FT		EA	CY	REMARKS
	REMOVAL OF GUARDRAIL	MGS GUARDRAIL (WEATHERING STEEL)	MGS TERMINAL TYPE I (WEATHERING STEEL)	EMBANKMENT (1)	
WYO 22 RT					
768+30 - 770+10	0	125	1	36	WEST END OF WILDLIFE UNDERPASS
771+50 - 772+85	0	81.25	1	27	EAST END OF WILDLIFE UNDERPASS
774+20 - 775+86	165	75	1	26	WEST END OF SNAKE RIVER BRIDGE
785+18 - 787+31	215	87.5	1	29	EAST END OF SNAKE RIVER BRIDGE
WYO 22 LT					
769+09 - 770+10	0	62.5	1	24	WEST END OF WILDLIFE UNDERPASS
771+50 - 772+51	0	56.25	1	22	EAST END OF WILDLIFE UNDERPASS
774+07 - 775+86	98	93.75	1	30	WEST END OF SNAKE RIVER BRIDGE
785+18 - 787+31	215	87.5	1	29	EAST END OF SNAKE RIVER BRIDGE
TOTAL	693	668.75	8	223	
FOR ESTIMATE	693	669	8	(G)	

(1) PLACE AND COMPACT APPROVED GUARDRAIL GRADING MATERIAL, PER STANDARD PLANS.
(G) SEE GRADING SUMMARY

WATER ACCUMULATION SUMMARY

SUMMARY	MG
	WATER
GRADING	1676
CRUSHED BASE ACCUMULATION	321
TOPSOIL & SEEDING	39
TOTAL	2036
FOR ESTIMATE	2100

MISCELLANEOUS ITEMS SUMMARY - 2000058

ITEM	UNIT	TOTAL AND FOR ESTIMATE	REMARKS
FIELD LABORATORY	LS	LUMP SUM	
CONTRACTOR TESTING	LS	LUMP SUM	
FORCE ACCOUNT WORK	\$\$	\$10,000	
MOBILIZATION	LS	LUMP SUM	
CUTTING BIT PVMT	FT	5200	THROUGHOUT PROJECT
CONTRACTOR STORM WATER CONTROL	LS	LUMP SUM	
DEPARTMENT STORM WATER CONTROL	\$\$	\$10,000	
EXCELSIOR SEDIMENT LOG	FT	200	

CURB AND GUTTER SUMMARY

STATION	FT		REMARKS
	CURB AND GUTTER TYPE C	SPECIAL CURB TYPE X	
WYO 22 LT			
793+08			
793+65	57		
		190	SEE TYPICAL SECTION
795+55			
	945		
805+00			
TOTAL	1002	190	
FOR ESTIMATE	1010	190	

CRUSHED BASE ACCUMULATION SUMMARY

SUMMARY	CY
	CRUSHED BASE
SURFACING	7453
APPROACH	348
FOR SUBGRADE LEVELING THROUGHOUT PROJECT AS NEEDED	600
TOTAL	8401
FOR ESTIMATE	8500

FOR CRUSHED BASE COMPACTION	WATER
UNIT	MG
TOTAL	321
FOR ESTIMATE	(W)

(W) SEE WATER ACCUMULATION SUMMARY

MISCELLANEOUS ITEMS SUMMARY - ARSXXXX

ITEM	UNIT	TOTAL AND FOR ESTIMATE	REMARKS
FORCE ACCOUNT WORK	\$\$	\$1,000	
MOBILIZATION	LS	LUMP SUM	
CUTTING BIT PVMT	FT	60	THROUGHOUT PROJECT

CULVERT SUMMARY

ROADWAY	STATION	FT				EA					CY	REMARKS		
		PIPE 18 in	CMP		RCP SIPHON 24 in	CULVERT CLEANING	PIPE FE SECT 18 in	CMP FE SECT		RCP SIPHON FE SECT 24 in	TRASH GUARD CMP 42 in		INLET TYPE M1	PIPE COLLARS
			24 in	42 in				24 in	42 in					
WYO 22	766+85			32		1			2				1.6	EXTEND EXISTING CULVERT LT & RT
	773+01		14					1					0.3	EXTEND EXISTING CULVERT RT
	790+38				32					2			0.6	EXTEND EXISTING SIPHON (UNKNOWN TYPE/SIZE) RT
	799+80	150												FOR TEMPORARY IRRIGATION (SUGGEST FLEX-PIPE)
RAMP SW	70+03	52					1				1			MEDIAN DRAIN
	72+80	60					1				1			MEDIAN DRAIN
RAMP NE	52+66	64					1				1			MEDIAN DRAIN
SUBTOTAL		326	14	32	32	1	3	1	2	2	2	3	2.5	
FROM APPROACH SUMMARY		354					10							
TOTAL		680	14	32	32	1	13	1	2	2	2	3	2.5	
FOR ESTIMATE		680	14	32	32	1	13	1	2	2	2	3	3	

FENCE SUMMARY

STATION - STATION (INCLUDING REMOVAL)	FT				EA											
	REMOVAL OF FENCE	FENCE TYPE E (WOOD POSTS)	FENCE DEER	DRILLED SHAFT FOUNDATIONS 18 in (1)	GATES DEER				DEER RAMPS (6)	BRACE PANELS (DEER)	END PANELS	END PANELS (DEER)	CATTLE GUARD (HEAVY DUTY) 42 ft	CATTLE GUARD (MEDIUM DUTY)		
					10 ft (2)	12 ft (3)	16 ft (4)	20 ft (5)						18 ft	30 ft	36 ft
WYO 22 RIGHT																
721+89 - 734+50	1247		1261				1			1		2				
734+50 - 743+26	1683		859				1			2	1	2		2		
743+26 - 749+51	548		588			1		1		5	2	3			2	
749+51 - 761+00			1211	2				2	2	9		6				
761+00 - 770+80	815		898					2	1	11		6				
770+80 - 775+49	445		416						1	5		4				
784+83 - 798+41	1220	212	1257					2	1	10	5	6		2		
798+41 - 800+82	154		247							4	2	2		2		
800+82 - 818+94	1785		1784					1		12	3	11				
SUBTOTAL	7897	212	8521	2	1	5	6	1	6	59	13	42		6	2	
WYO 22 LEFT																
721+93 - 734+59	1257		1267			1				2	1	2				
734+59 - 743+56	890		889					1		2		3		2		
743+56 - 750+00	548		618			1				5	1	4	2			
750+00 - 756+75	174		667			1	1		1	4		4				
756+75 - 760+78			437	2				1	1	1		5				
760+78 - 764+49			394	2						1		4				
766+23 - 770+10	47		458				2		1	6		3				
770+35 - 776+12	502		460						1	4		3				
785+17 - 791+35	295		546			1	1		1	6		3			2	
791+35 - 799+66			831			1				9		3		2		
799+66 - 811+32	1113		1203							7	2	6			2	
811+32 - 818+93	763		792			1				7	3	6				
SUBTOTAL	5589		8562	4		8	6		6	54	7	46	2	4	2	
WYO 390 RIGHT																
2+79 - 4+12			143	2						4		2				
4+12 - 5+69			183						1	4		3				
5+69 - 8+61			274	2					1	4		4		2		
8+61 - 15+80	656		708			1	1			3		2			2	
15+80 - 18+17			281							6		3				
SUBTOTAL	656		1589	4		1	3		2	21		14		2	2	
WYO 390 LEFT																
2+01 - 3+89			238							1		3				
3+89 - 5+68			239	2		1			1	4		2				
5+68 - 11+85			610	2					1	5		5			2	
11+85 - 18+17			665							10		7				
SUBTOTAL			1752	4		1	3		2	20		17			2	
TOTAL	14142	212	20424	14	1	15	18	1	16	154	20	119	2	10	4	
FOR ESTIMATE	14200	212	20500	14			35		16	154	20	119	2	10	4	

GENERAL NOTES

PROJECT 2000058

RECONSTRUCTION

WYO 22

FUNCTIONAL CLASSIFICATION = RURAL MINOR ARTERIAL

TRAFFIC DATA

RM 3.39 - RM 4.06

CURRENT (2018) = 18500 AADT
PROJECTED (2040) = 27081 AADT
TRUCKS = 2.6%

RM 4.06 - RM 4.24

CURRENT (2018) = 11621 AADT
PROJECTED (2040) = 16977 AADT
TRUCKS = 4.2%

WYO 390

RM 0.01 - RM 0.14

FUNCTIONAL CLASSIFICATION = RURAL MAJOR COLLECTOR

TRAFFIC DATA

CURRENT (2018) = 12200 AADT
PROJECTED (2040) = 18689 AADT
TRUCKS = 2.5%

- (1) FOR LONG PANELS (DEER), PER DEER FENCE DETAIL SHEETS, WHICH ARE ESTIMATED AS END PANELS (DEER).
- (2) 1 EA INCLUDES TWO 10 ft GALVANIZED STEEL SINGLE SWING GATES INSTALLED PER DEER FENCE DETAIL SHEETS.
- (3) 1 EA INCLUDES TWO 12 ft GALVANIZED STEEL SINGLE SWING GATES INSTALLED PER DEER FENCE DETAIL SHEETS.
- (4) 1 EA INCLUDES FOUR 8 ft GALVANIZED STEEL SINGLE SWING GATES INSTALLED PER DEER FENCE DETAIL SHEETS.
- (5) 1 EA INCLUDES FOUR 10 ft GALVANIZED STEEL SINGLE SWING GATES INSTALLED PER DEER FENCE DETAIL SHEETS.
- (6) 1 EA INCLUDES TWO BRACE PANELS (DEER), TWO END PANELS (DEER), CROSS BOARDS, AND EMBANKMENT, INSTALLED PER DEER FENCE DETAIL SHEETS.
- (D) SEE CULVERT SUMMARY

TOPSOIL AND SEEDING SUMMARY

LOCATION	ACRE	CY		LB		TON	SY		MG
		TOPSOIL		SEEDING (PLS)	FERTILIZER TYPE II	HYDRAULIC MULCHING	EROSION CONTROL BLANKET	COCONUT FIBER DITCH LINING	WATER
		STORING	PLACING						
WYO 22 INCLUDING SOUTHWEST RAMP - NORTHEAST RAMP - LEVEE APPROACH - DETOUR TEMPORARY WIDENING									
WEST OF RIVER LT	2.0	1599	1599	33	40	0.4	4799	480	8
WEST OF RIVER RT	3.7	2989	2989	62	75	0.8	8966	897	15
EAST OF RIVER LT	0.3	276	276	6	7	0.1	828	83	2
EAST OF RIVER RT	2.3	1851	1851	38	46	0.5	5553	556	10
SUBTOTAL	8.3	6715	6715	139	168	1.8	20146	2016	35
WYO 390 INCLUDING DETOUR TEMPORARY WIDENING									
LEFT	0.4	295	295	7	8	0.1	884	89	2
RIGHT	0.3	226	226	5	6	0.1	677	68	2
SUBTOTAL	0.6	521	521	12	14	0.2	1561	157	4
TOTAL	9.0	7236	7236	151	182	2.0	21707	2173	39
FOR ESTIMATE		7240	7240	151	182	2	21800	2180	(W)

(W) SEE WATER ACCUMULATION SUMMARY

GRADING SUMMARY

STATION - STATION	CY						SHRINK FACTOR	CY		CYMI HAUL	MG WATER	REMARKS
	UNCLASSIFIED EXCAVATION							EMBANKMENT COMPACTION				
	FROM ROADWAY	FROM OTHER (1)	FROM BORROW (2)	TOTAL	FOR ROADWAY	FOR WASTE (3)		FOR ROADWAY	TOTAL			
WYO 22 RIGHT W/ DETOUR TEMPORARY WIDENING, SOUTHWEST RAMP & LEVEE APPROACH												
753+00 - 775+15	1961		26266	28227	28227		1.20	23523	23523	138577	1035	WEST OF RIVER
785+90 - 802+65	1084		9997	11081	11081		1.20	9234	9234	52574	406	EAST OF RIVER
SUBTOTAL	3045		36263	39308	39308			32757	32757	191151	1441	
WYO 22 LEFT W/ DETOUR TEMPORARY WIDENING & NORTHEAST RAMP												
754+70 - 766+89	1149		350	1499	1499		1.20	1249	1249	1843	55	WEST FROM JCT
766+89 - 775+50	1106	2000		3106	3106		1.20	2588	2588	228	114	INCLUDES 2000 CY FROM STRUCTURES
786+00 - 800+00	2813			2813	27	2786	1.20	23	23	14382	15	EAST OF RIVER
SUBTOTAL	5068	2000	350	7418	4632	2786		3860	3860	16453	184	
WYO 390 LEFT W/ DETOUR TEMPORARY WIDENING												
1+35 - 4+39	115			115	115		1.20	96	96	3	4	
4+39 - 9+10	228		61	289	289		1.20	241	241	329	11	
SUBTOTAL	343		61	404	404			337	337	332	15	
WYO 390 RIGHT W/ DETOUR TEMPORARY WIDENING												
1+35 - 8+00	586			586	76	510	1.20	63	63	2581	5	
SUBTOTAL	586			586	76			63	63	2581	5	
OBLITERATE TEMPORARY WIDENING WHERE NEEDED												
753+00 - 759+85	427			428	2	426	1.00	2	2	2164	2	WYO 22 RIGHT
792+05 - 805+65	548			548	1	547	1.00	1	1	2778	3	WYO 22 RIGHT
1+80 - 3+15	32			32		32	1.00			164		WYO 390 RIGHT
4+05 - 9+10	67			67	36	31	1.00	36	36	159	2	WYO 390 LEFT
SUBTOTAL	1074			1075		1036				5265	7	
FROM GUARDRAIL SUMMARY		268		268	268		1.20	223	223		10	FOR GUARDRAIL GRADING FROM APPROVED SOURCE
THROUGHOUT PROJECT		398		398	398		1.20	332	332		15	FOR DEER RAMPS FROM APPROVED SOURCE
FROM STRUCTURE EXCAVATION						7800						
TOTAL	10116	2666	36674	49457	45086	11622		37572	37572	215782	1676	
FOR ESTIMATE				50000						(E)	(W)	

MOISTURE DENSITY CONTROL = 6 in SCARIFICATION.

- (1) CONSTRUCT EMBANKMENT USING EXCESS MATERIAL MOVED FROM OTHER EXCAVATION (SEE REMARKS - NO HAUL ESTIMATED).
- (2) HAUL EMBANKMENT MATERIAL FROM APPROVED SOURCES. HAUL DISTANCE ESTIMATED AT 5 MILES.
- (3) WASTE AND/OR HAUL MATERIAL AS DIRECTED. HAUL DISTANCE ESTIMATED AT 5 MILES.

AVERAGE HAUL = 4.3 MILES

- (E) FOR ESTIMATING PURPOSES ONLY
- (W) SEE WATER ACCUMULATION SUMMARY

Potential Borrow locations: Snake River or Alpine State pit (40 miles away)

SURFACING SUMMARY 1 OF 2

STATION	FT		CY	TON/FT	TON	SY	REMARKS
	DISTANCE	AVERAGE TOP WIDTH (1)	CRUSHED BASE	HOT PLANT MIX	CONCRETE PVMT (8 in)		
TEMPORARY DETOUR WIDENING							
765+30							
	41	11.83	16	0.460	19		WYO 22 LEFT
765+71							
768+55	468	5.67	106	0.239	112		WYO 22 LEFT
773+23							
4+21							
	492	8.67	148	0.347	171		WYO 390 LEFT
9+13							
SUBTOTAL			270		302		
WYO 22							
752+95							
	173	8.83	53	0.353	61		TEMPORARY WIDENING RT ONLY
754+68							
	118	61.00	202	2.278	269		INCLUDES TEMPORARY WIDENING RT
755+86							
	84	63.92	150	2.383	200		INCLUDES TEMPORARY WIDENING RT
756+70							
	210	69.17	403	2.571	540		INCLUDES TEMPORARY WIDENING RT
758+80							
	111	75.67	235	2.822	313		INCLUDES TEMPORARY WIDENING RT
759+91							
	514	48.00	419			2740	
765+05							
	39	66.58	41			288	RADIUS RT
765+44							
	136	66.33	141			998	TRANSITION RT
766+80							
	121	60.00	117			811	
768+01							
	170	95.92	239			1811	TRANSITION LT & RT
769+71							
	39	87.33	51			378	TRANSITION RT
770+10							APPROACH SLAB
	140						BRIDGE
771+50							APPROACH SLAB
	135	88.00	177			1320	
772+85							
	30	87.50	39			291	TRANSITION RT
773+15							
	180	77.33	212			1546	TRANSITION LT & RT
774+95							
	54	65.92	56			395	TRANSITION RT
775+49							APPROACH SLAB
	1030						BRIDGE
785+79							APPROACH SLAB
	319	69.75	628	2.610	833		TRANSITION LT & RT
788+98							
	282	76.00	599	2.834	799		
791+80							
	128	74.25	266	2.771	355		INCLUDES TEMPORARY WIDENING RT
793+08							
	147	69.67	280	2.553	375		INCLUDES TEMPORARY WIDENING RT
794+55							
	200	64.92	358	2.383	477		INCLUDES TEMPORARY WIDENING RT
796+55							
	350	63.25	611	2.323	813		INCLUDES TEMPORARY WIDENING RT
800+05							
	263	14.17	115	0.544	143		TEMPORARY WIDENING RT ONLY
802+68							
SUBTOTAL			5392		5178	10578	

(1) INCLUDES WIDTH OF TEMPORARY DETOUR SURFACING TO BE REMOVED.

SURFACING SUMMARY 2 OF 2

STATION	FT		CY	TON/FT	TON	SY	REMARKS
	DISTANCE	AVERAGE TOP WIDTH (1)	CRUSHED BASE	HOT PLANT MIX	CONCRETE PVMT (8 in)		
RAMP SOUTHWEST							
70+00							
	800	24.00	672	0.969	775		
78+00							
SUBTOTAL			672		775		
RAMP NORTHEAST							
50+04							
	322	24.00	167			833	
53+26							
SUBTOTAL			167			833	
WYO 390							
1+32							
	17	98.33	24			186	RADIUS LT & RT
1+49							
	28	68.33	30			213	RADIUS LT
1+77							
	83	65.75	89	0.195	16	556	INCLUDES TEMPORARY WIDENING RT
2+60							
	38	66.17	42	0.346	13	239	INCLUDES TEMPORARY WIDENING RT
2+98							
	81	77.58	96			698	TRANSITION RT
3+79							
	42	71.00	46			331	INCLUDES TEMPORARY WIDENING LT
4+21							
	121	61.25	213	2.305	279		TRANSITION LT & RT
5+42							
	197	55.00	316	2.081	410		TRANSITION LT & RT
7+39							
	61	54.00	96	2.045	125		
8+00							
SUBTOTAL			952		843	2223	
TOTAL			7453		7098	13634	
FOR ESTIMATE			(B)		7100	13700	

(1) INCLUDES WIDTH OF TEMPORARY DETOUR SURFACING TO BE REMOVED.
 (B) SEE CRUSHED BASE ACCUMULATION SUMMARY

SURFACING ADDITIVES SUMMARY

SUMMARY	ITEM	TON		
		ASPHALT BINDER (PG 64-34)	TACK COAT	HYDRATED LIME
SURFACING 1 OF 2	HOT PLANT MIX	296	5.1	47
SURFACING 2 OF 2	HOT PLANT MIX	92	1.5	15
APPROACH	HOT PLANT MIX APPROACHES	23	0.2	4
TOTAL		411	6.8	66
FOR ESTIMATE		411	7	66

LENGTH OF PROJECT SUMMARY

LOCATION	FT	
	ROADWAY	STRUCTURE
754+68 BEGIN RECONSTRUCTION RM 4.25 WYO 22 ----->	1070	
765+38 JCT WYO 390 RM 4.04 WYO 22 ----->	472	
770+10 BRIDGE APPR SLAB END WILDLIFE BRIDGE STR # NEF RM 3.94 ----->		140
771+50 BRIDGE APPR SLAB END WYO 22 ----->	399	
775+49 BRIDGE APPR SLAB END SNAKE RIVER STR # NEG RM 3.76 ----->		1030
785+79 BRIDGE APPR SLAB END WYO 22 ----->	1426	
800+05 END RECONSTRUCTION RM 3.39		
SUBTOTAL	3367	1170
1+32 BEGIN RM 0.01 WYO 390 ----->	668	
8+00 END RM 0.14		
SUBTOTAL	668	
TOTAL	4035	1170
	MI	
SUBTOTAL	0.77	0.22

APPROACH SUMMARY

STATION	SIDE	FT			EA PIPE FE SECT 18 in	CY		TON HOT PLANT MIX APPROACHES	REMARKS	
		EST LENGTH		AVERAGE TOP WIDTH		PIPE 18 in	CRUSHED BASE			HAND-PLACED RIPRAP
		OVERALL	BASE ONLY							
WYO 22										
743+15	RT	28.0		29.8			6	10	RESIDENTIAL APPROACH WORK FOR DEER FENCE	
743+40	LT	30.0		21.2	58	2	4	8	RESIDENTIAL APPROACH WORK FOR DEER FENCE	
749+35	RT	37.0		46.9			12	21	RESIDENTIAL APPROACH WORK FOR DEER FENCE	
749+74	LT	41.0		50.9			14	26	MAJOR APPROACH WORK FOR DEER FENCE	
773+25	RT	241.1	185.1	25.7	52	2	147	44	LEVEE MAINTENANCE APPROACH STA. 90+00 - 92+86	
791+14	LT	82.3		42.8	114	2	47	87	RECREATION APPROACH	
798+28	RT	27.6		30.0			11	21	RESIDENTIAL APPROACH	
799+57	LT	115.1		21.4	70	2	37	63	PLACE RIPRAP FROM FE SECT OUTFALL TO CURB & GUTTER OUTFALL	
800+69	RT	48.0		24.0			17	29	RESIDENTIAL APPROACH	
811+17	LT	30.0		29.8	60	2	6	11	RESIDENTIAL APPROACH WORK FOR DEER FENCE	
SUBTOTAL					354	10	301	8	320	
WYO 390										
8+40	RT	30.0		42.4			9	16	RECREATION APPROACH WORK FOR DEER FENCE	
11+69	LT	48.0		52.3			17	31	MAJOR APPROACH WORK FOR DEER FENCE	
15+53	RT	53.0		58.9			21	39	RECREATION APPROACH WORK FOR DEER FENCE	
SUBTOTAL							47	86		
TOTAL					354	10	348	8	406	
FOR ESTIMATE					(D)	(D)	(B)	8	406	

CONSIDER ALL APPROACHES AS MINOR EXCEPT AS SHOWN IN REMARKS ABOVE.

(D) SEE CULVERT SUMMARY

(B) SEE CRUSHED BASE ACCUMULATION SUMMARY

MILLING SUMMARY

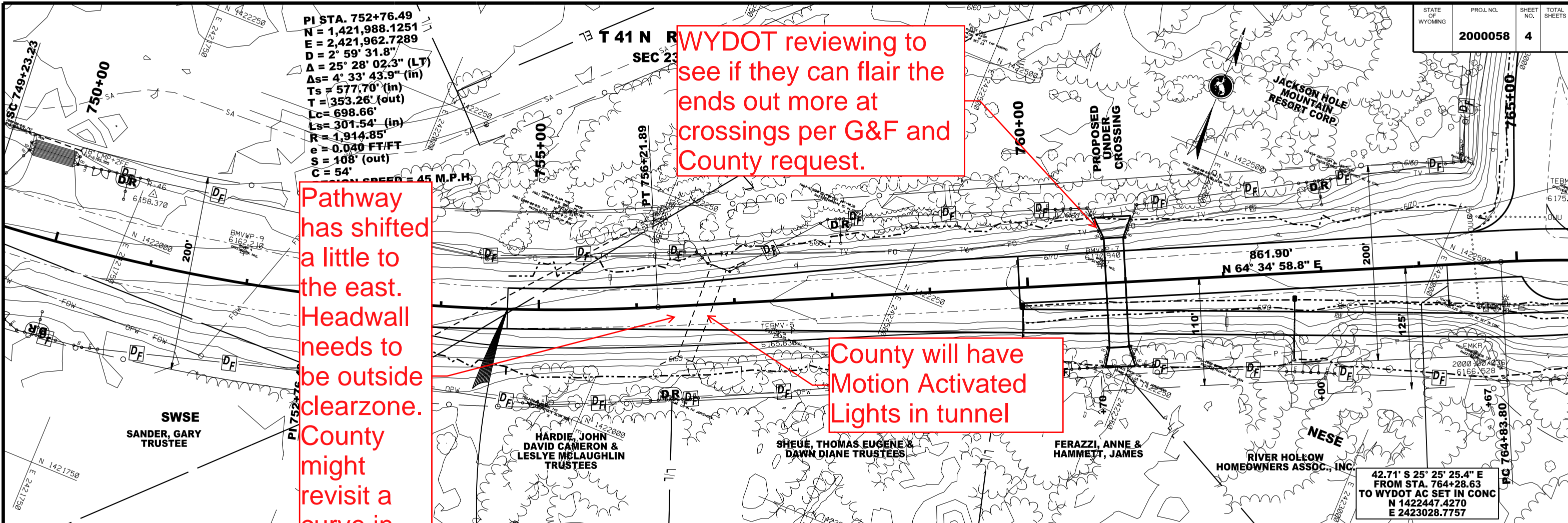
STATION	FT		SY		REMARKS
	DISTANCE	AVERAGE TOP WIDTH	MILLING PLANT MIX	MILLING CONCRETE	
TEMPORARY DETOUR - WYO 22 RT					
752+91	699	10.19	792		OBLITERATE TEMPORARY DETOUR
759+90					
792+03					
802+68	1065	12.77	1511		OBLITERATE TEMPORARY DETOUR
SUBTOTAL			2303		
TEMPORARY DETOUR - WYO 390					
1+77	121	7.60	102		OBLITERATE TEMPORARY DETOUR RT
2+98					
4+02					
	19	0.79		2	PROVIDE CONCRETE TAPER LT
4+21					
	492	3.74	205		OBLITERATE TEMPORARY DETOUR LT
9+13					
SUBTOTAL			307	2	
TOTAL			2610	2	
FOR ESTIMATE			2610	2	

WASTE AND/OR HAUL MILL TAILINGS (ESTIM 435 CY) AS DIRECTED, ESTIMATED AS UNCLASSIFIED EXCAVATION.

PATHWAY SUMMARY - ARSXXXX

STATION	FT		SY	CY	TON	REMARKS
	DISTANCE	AVERAGE TOP WIDTH	BIKE PATH (PLANT MIX)	CRUSHED BASE	PLANT MIX	
11+70						
	56	2.83	18	3	5	WYO 390 LT
12+08						
790+24						
	126	2.75	39	7	10	WYO 22 LT
791+76						
TOTAL			57	10	15	
FOR ESTIMATE			110	(E)	(E)	

(E) FOR ESTIMATING PURPOSES ONLY. INCIDENTAL TO BIKE PATH (PLANT MIX).



PI STA. 752+76.49
 N = 1,421,988.1251
 E = 2,421,962.7289
 D = 2° 59' 31.8"
 Δ = 25° 28' 02.3" (LT)
 Δs = 4° 33' 43.9" (in)
 Ts = 577.70' (in)
 T = 353.26' (out)
 Lc = 698.66'
 Ls = 301.54' (in)
 R = 1,914.85'
 e = 0.040 FT/FT
 S = 108' (out)
 C = 54'
 MAX. SPEED = 45 M.P.H.

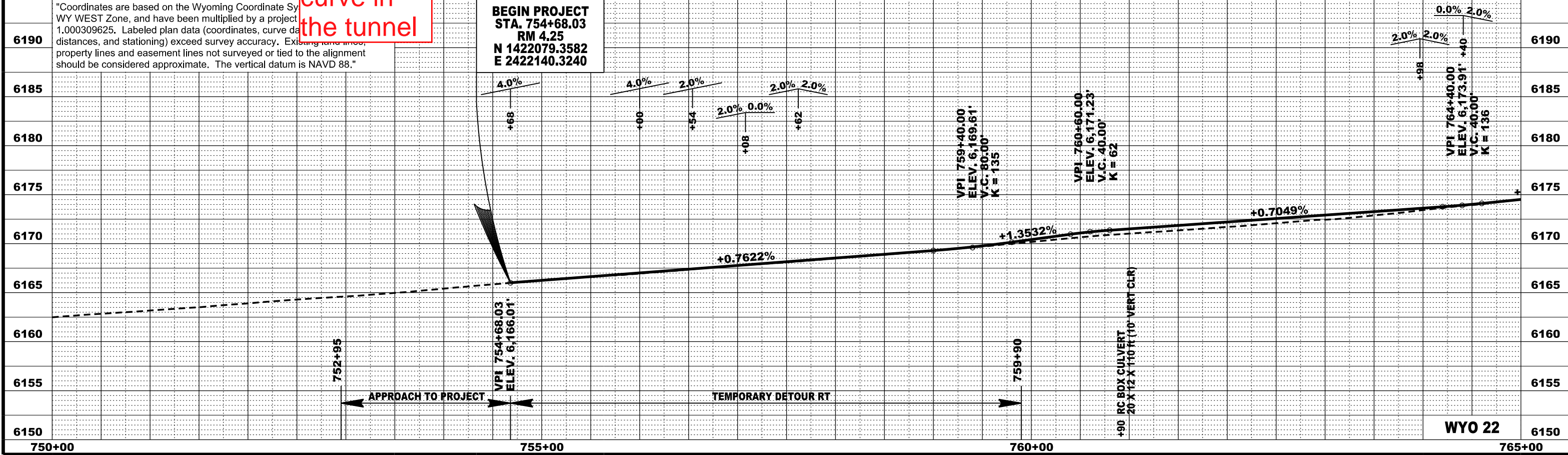
Pathway has shifted a little to the east. Headwall needs to be outside clearzone. County might revisit a curve in the tunnel

WYDOT reviewing to see if they can flair the ends out more at crossings per G&F and County request.

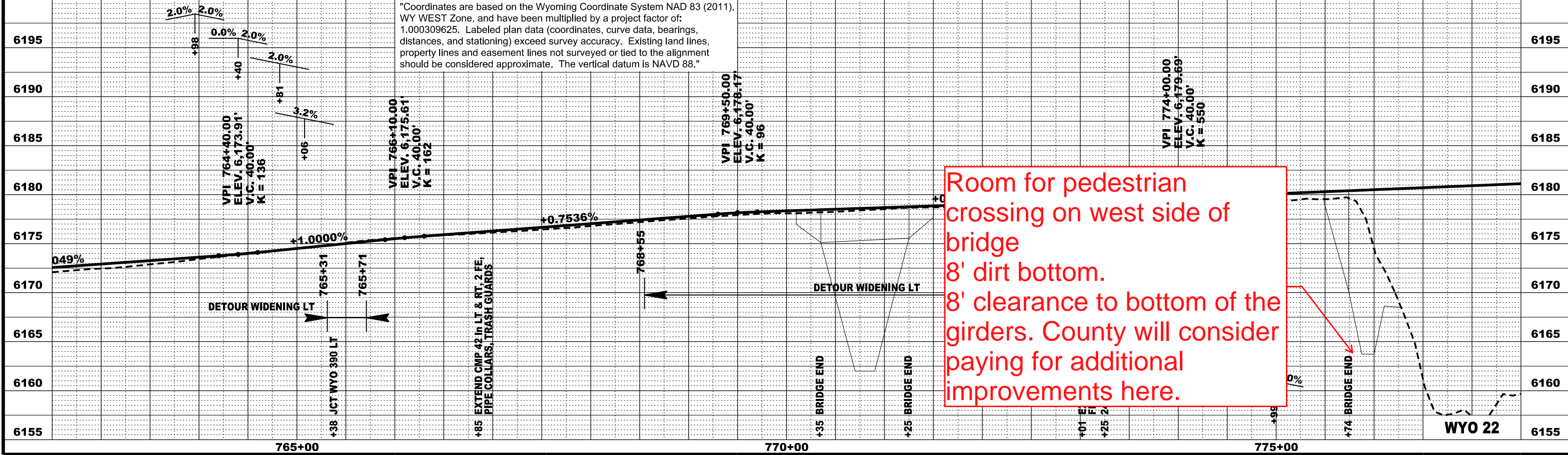
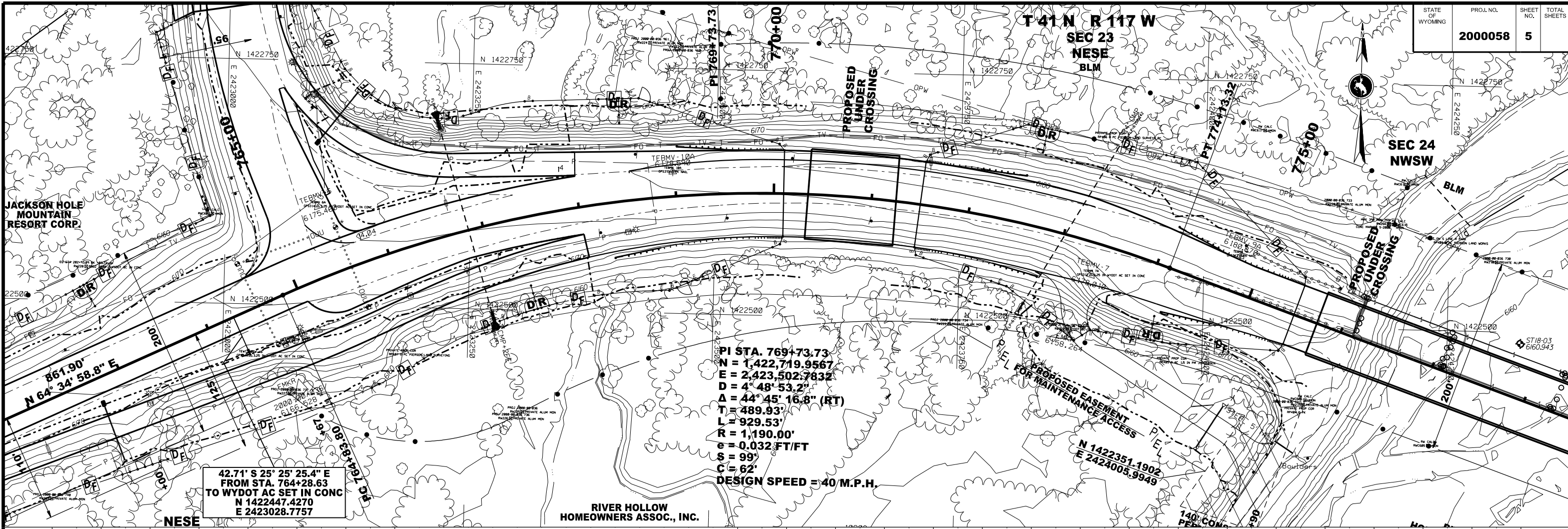
County will have Motion Activated Lights in tunnel

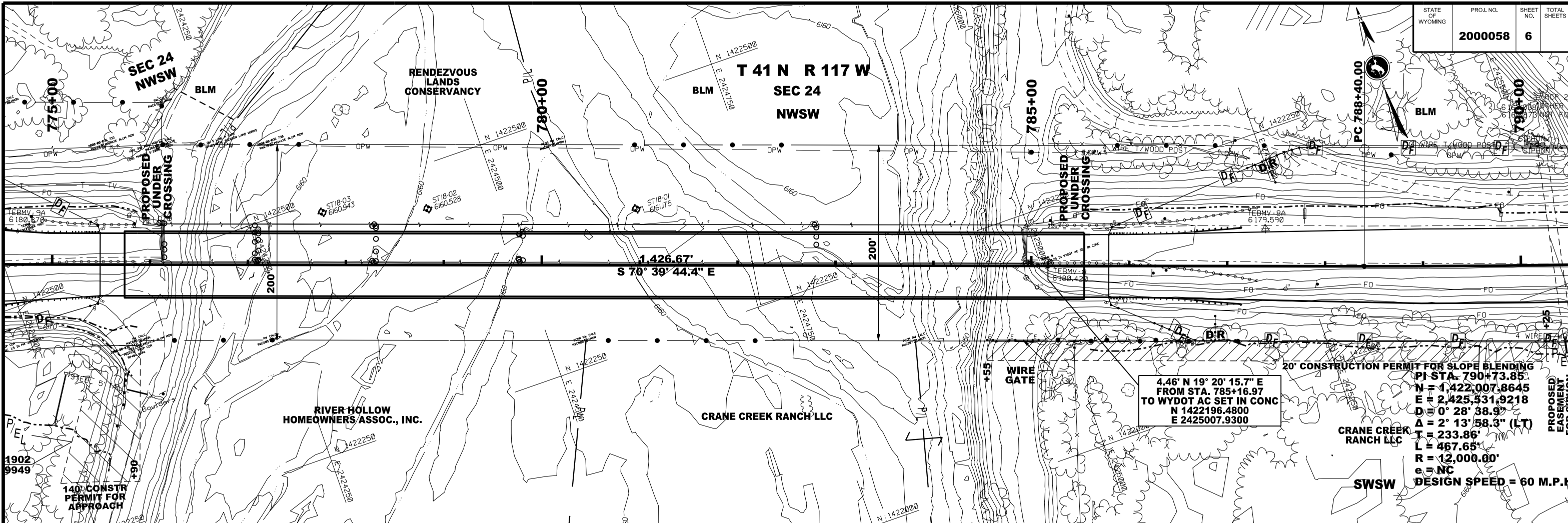
"Coordinates are based on the Wyoming Coordinate System WEST Zone, and have been multiplied by a project factor of 1.000309625. Labeled plan data (coordinates, curve data, distances, and stationing) exceed survey accuracy. Existing easements, property lines and easement lines not surveyed or tied to the alignment should be considered approximate. The vertical datum is NAVD 88."

BEGIN PROJECT
 STA. 754+68.03
 RM 4.25
 N 1422079.3582
 E 2422140.3240



42.71° S 25° 25' 25.4" E
 FROM STA. 764+28.63
 TO WYDOT AC SET IN CONC
 N 1422447.4270
 E 2423028.7757





Do to shortening the project limits, WYDOT had to take off the right turn lane into Emily's Pond. Splits to 4 lanes in this area so there will be an additional lane and shoulder for turning vehicles.

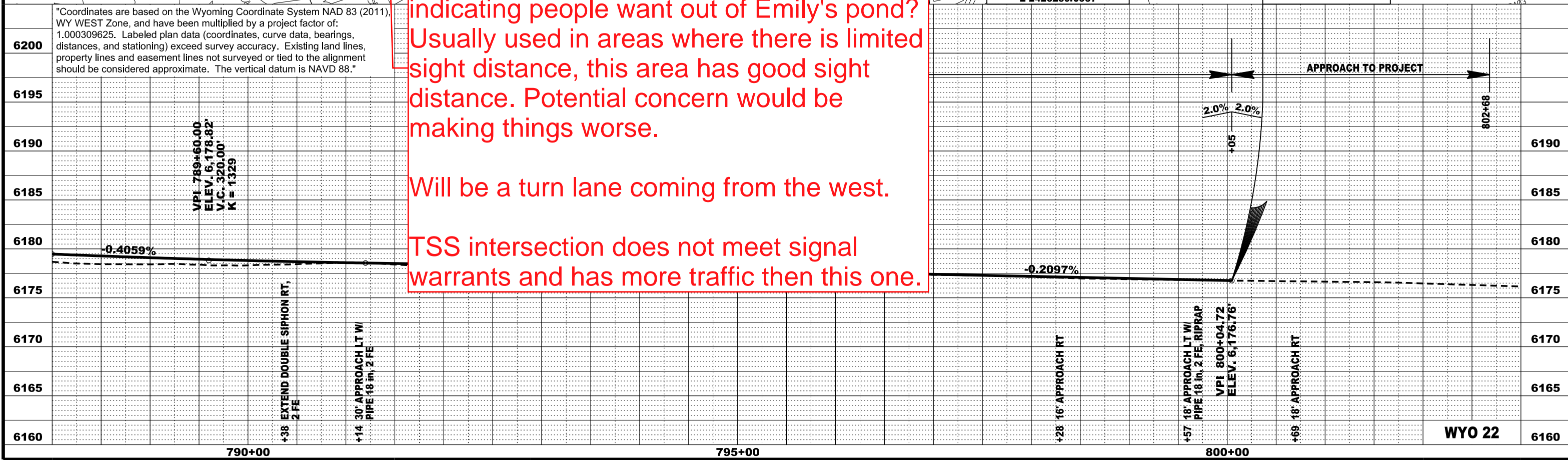
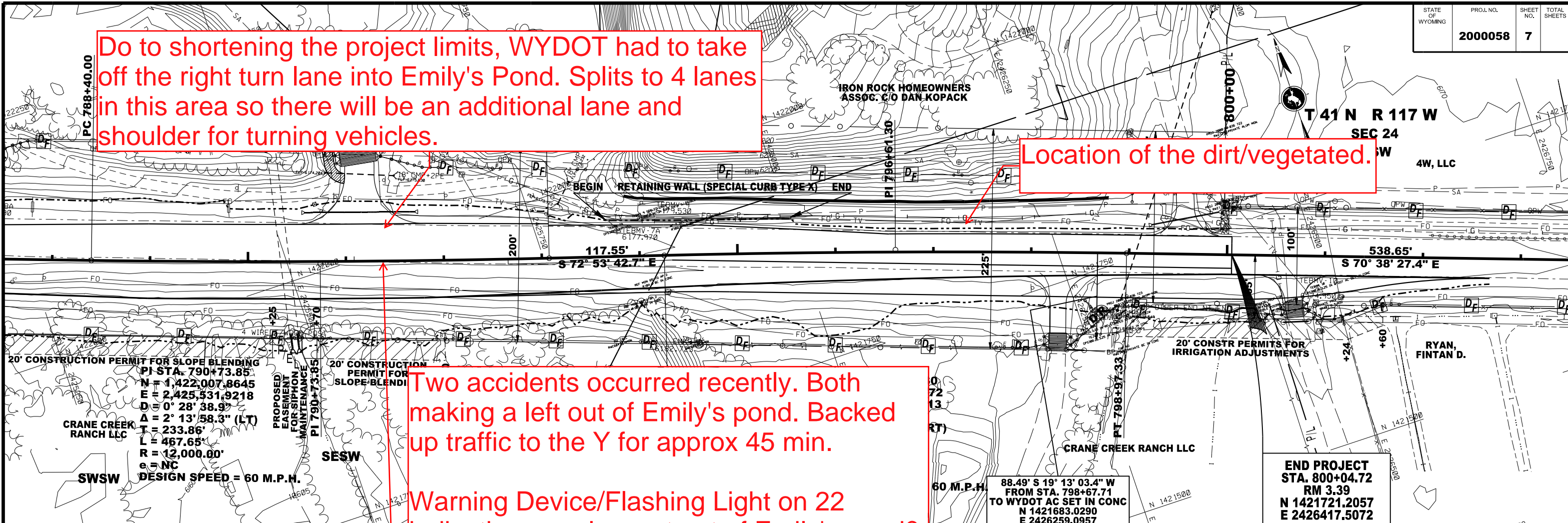
Location of the dirt/vegetated.

Two accidents occurred recently. Both making a left out of Emily's pond. Backed up traffic to the Y for approx 45 min.

Warning Device/Flashing Light on 22 indicating people want out of Emily's pond? Usually used in areas where there is limited sight distance, this area has good sight distance. Potential concern would be making things worse.

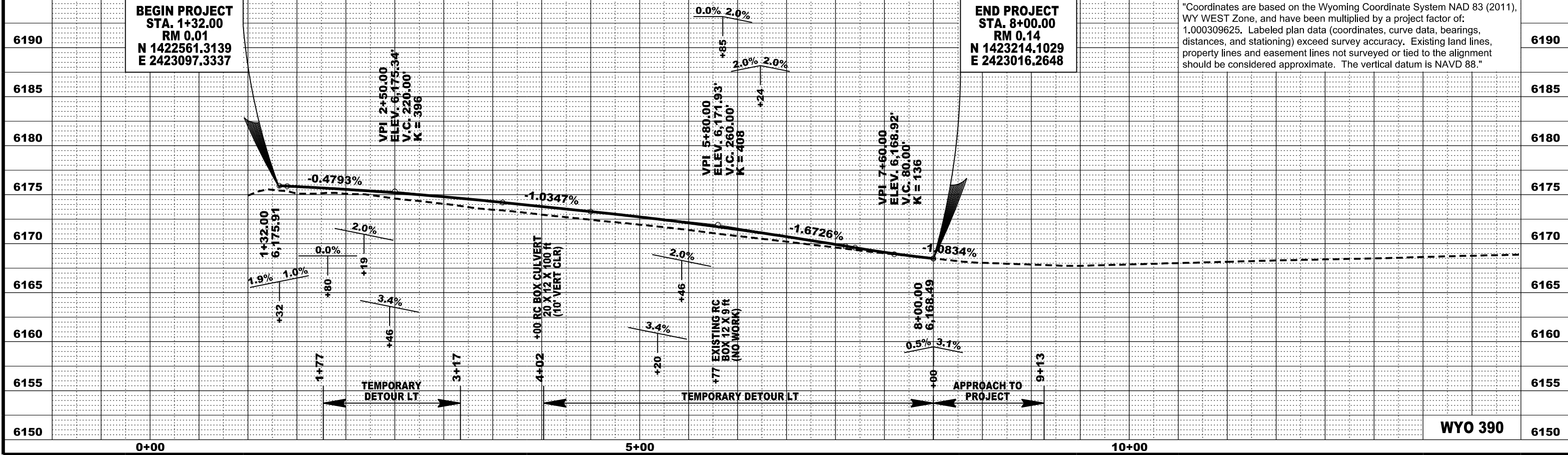
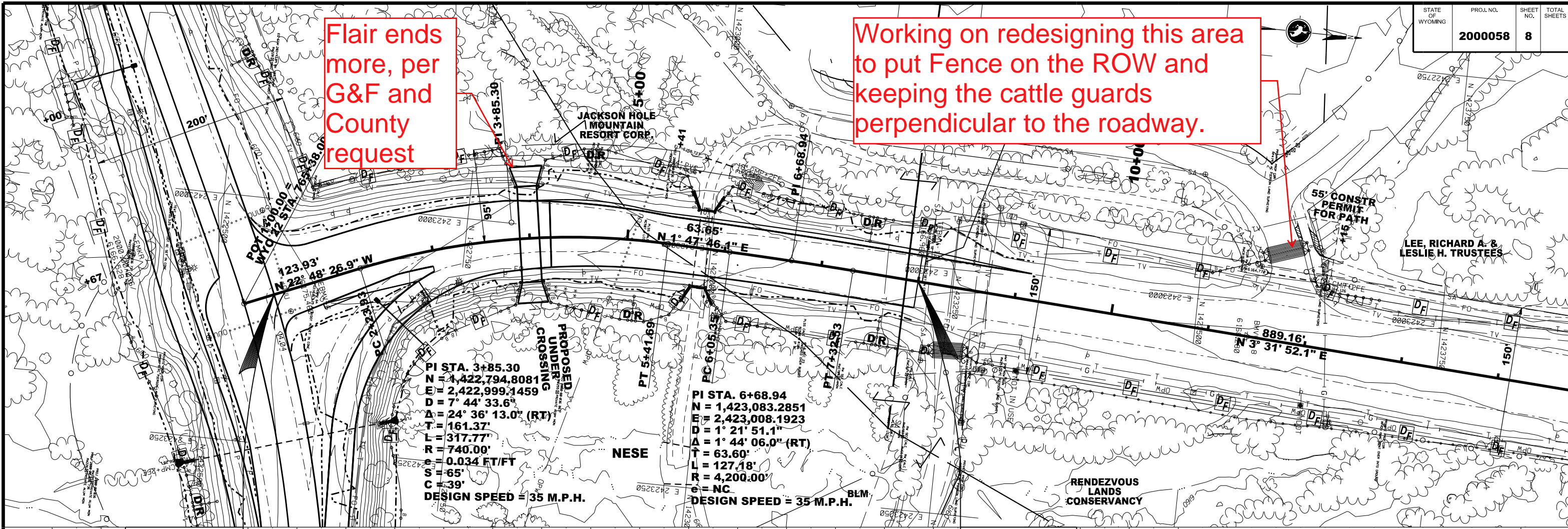
Will be a turn lane coming from the west.

TSS intersection does not meet signal warrants and has more traffic then this one.



Flair ends more, per G&F and County request

Working on redesigning this area to put Fence on the ROW and keeping the cattle guards perpendicular to the roadway.



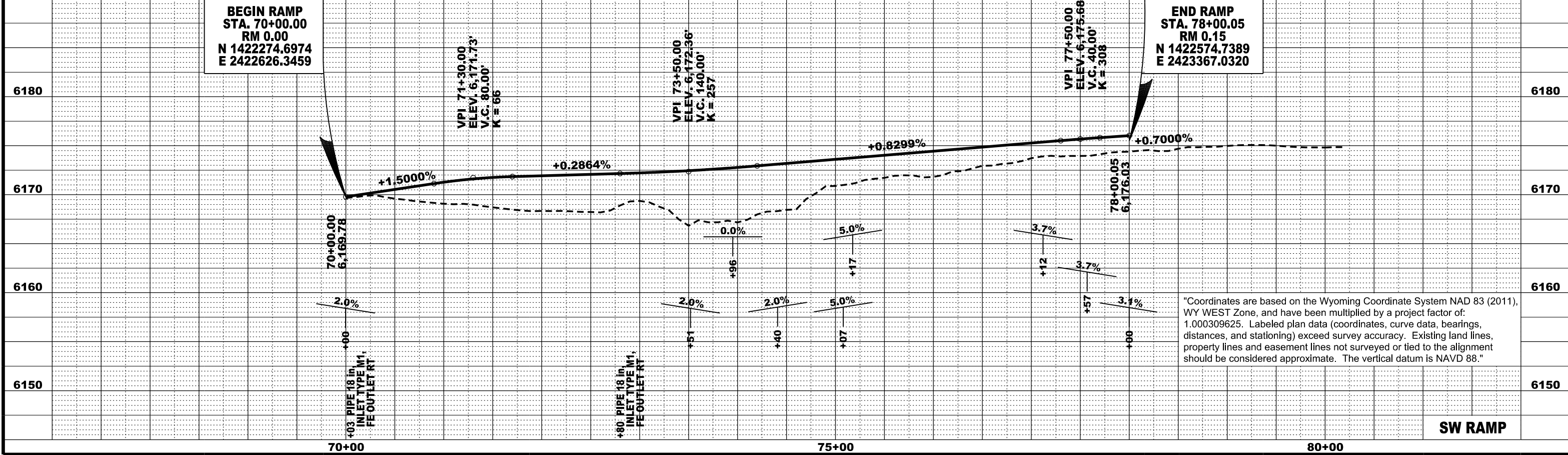
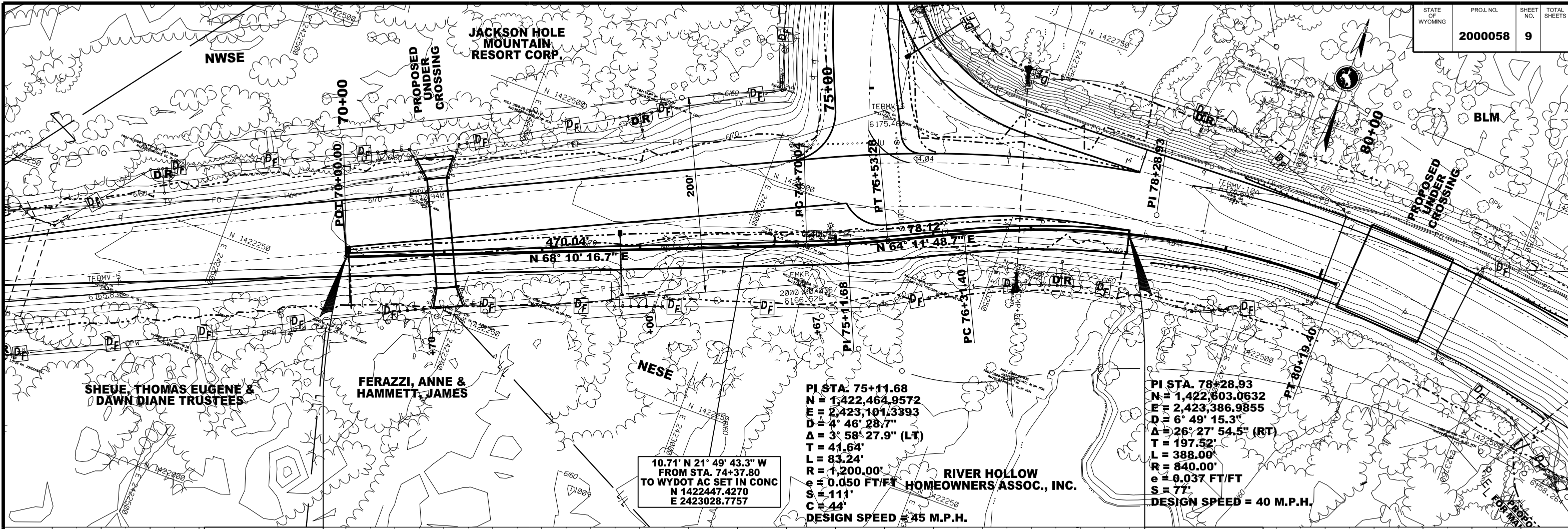
"Coordinates are based on the Wyoming Coordinate System NAD 83 (2011), WY WEST Zone, and have been multiplied by a project factor of: 1.000309625. Labeled plan data (coordinates, curve data, bearings, distances, and stationing) exceed survey accuracy. Existing land lines, property lines and easement lines not surveyed or tied to the alignment should be considered approximate. The vertical datum is NAVD 88."

0+00

5+00

10+00

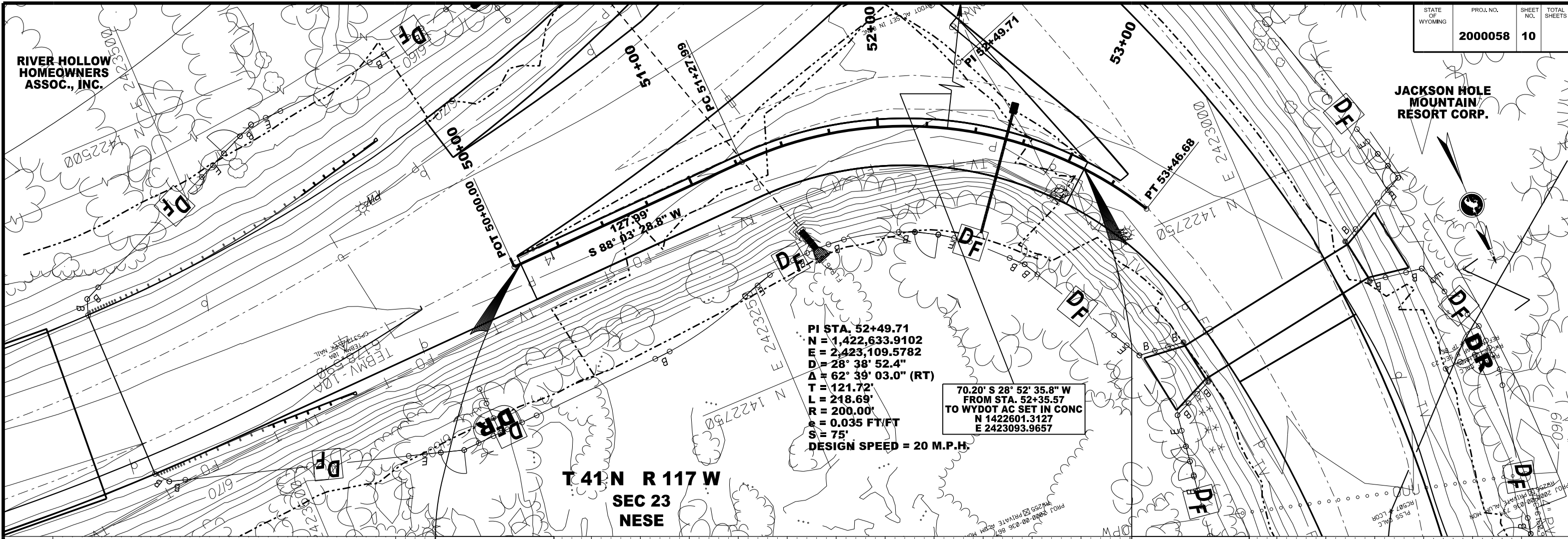
WYO 390



"Coordinates are based on the Wyoming Coordinate System NAD 83 (2011), WY WEST Zone, and have been multiplied by a project factor of: 1.000309625. Labeled plan data (coordinates, curve data, bearings, distances, and stationing) exceed survey accuracy. Existing land lines, property lines and easement lines not surveyed or tied to the alignment should be considered approximate. The vertical datum is NAVD 88."

RIVER HOLLOW HOMEOWNERS ASSOC., INC.

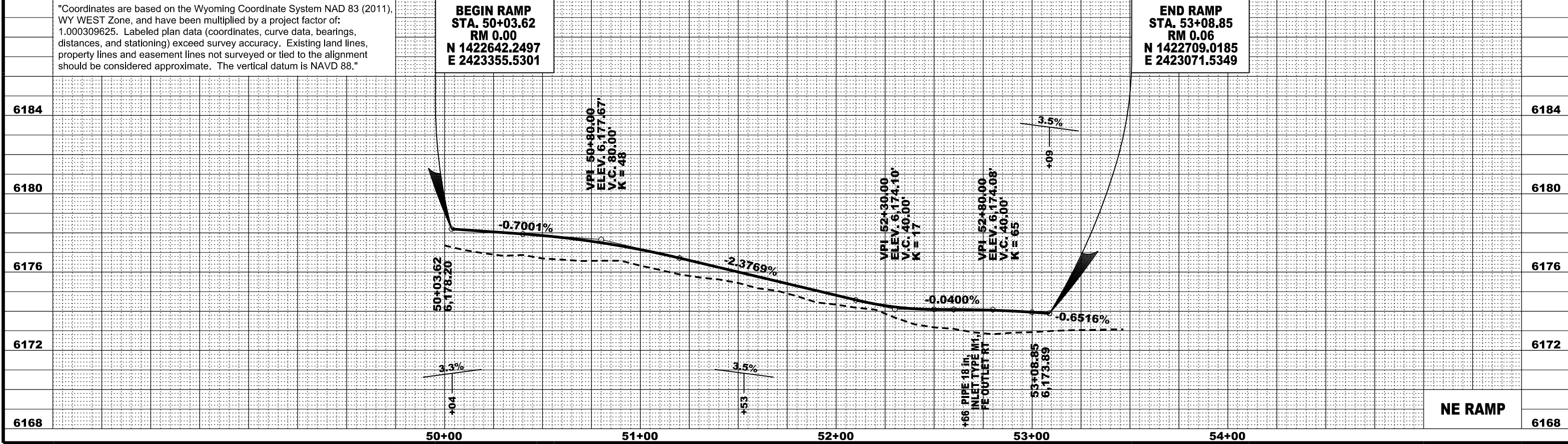
JACKSON HOLE MOUNTAIN RESORT CORP.



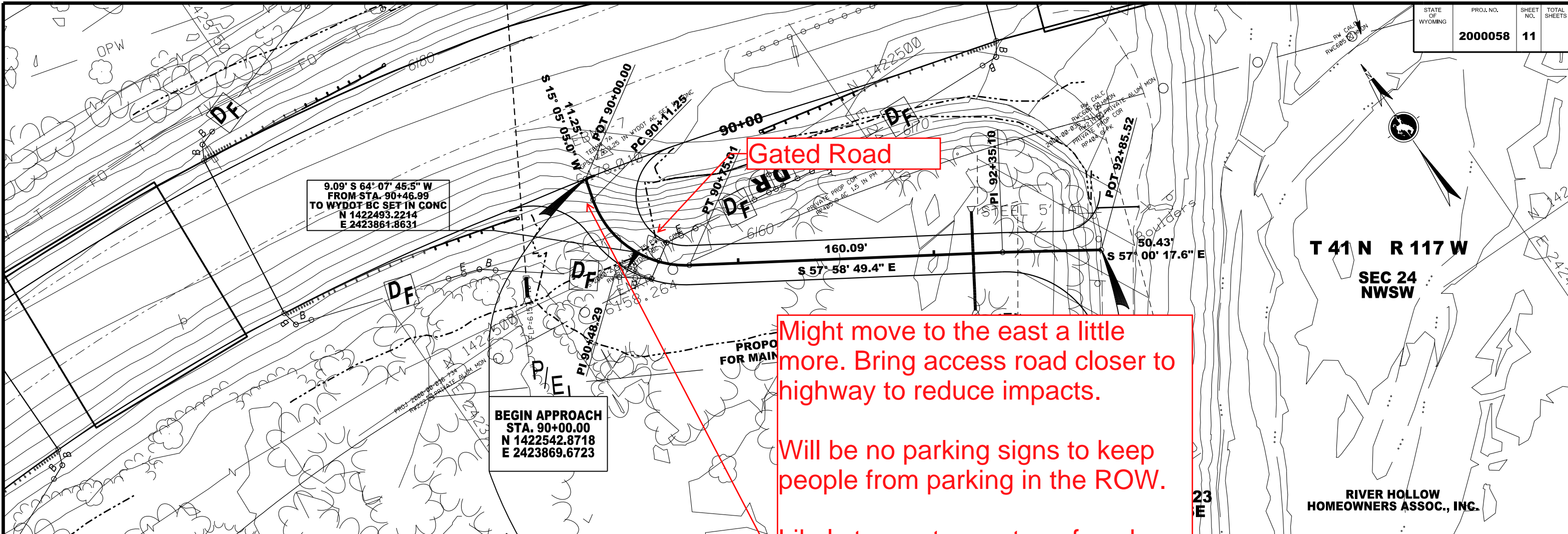
"Coordinates are based on the Wyoming Coordinate System NAD 83 (2011), WY WEST Zone, and have been multiplied by a project factor of: 1.000309625. Labeled plan data (coordinates, curve data, bearings, distances, and stationing) exceed survey accuracy. Existing land lines, property lines and easement lines not surveyed or tied to the alignment should be considered approximate. The vertical datum is NAVD 88."

BEGIN RAMP
STA. 50+03.62
RM 0.00
N 1422642.2497
E 2423355.5301

END RAMP
STA. 53+08.85
RM 0.06
N 1422709.0185
E 2423071.5349



NE RAMP



9.09' S 64° 07' 45.5" W
 FROM STA. 90+46.99
 TO WYDOT BC SET IN CONC
 N 1422493.2214
 E 2423861.8631

BEGIN APPROACH
 STA. 90+00.00
 N 1422542.8718
 E 2423869.6723

Gated Road

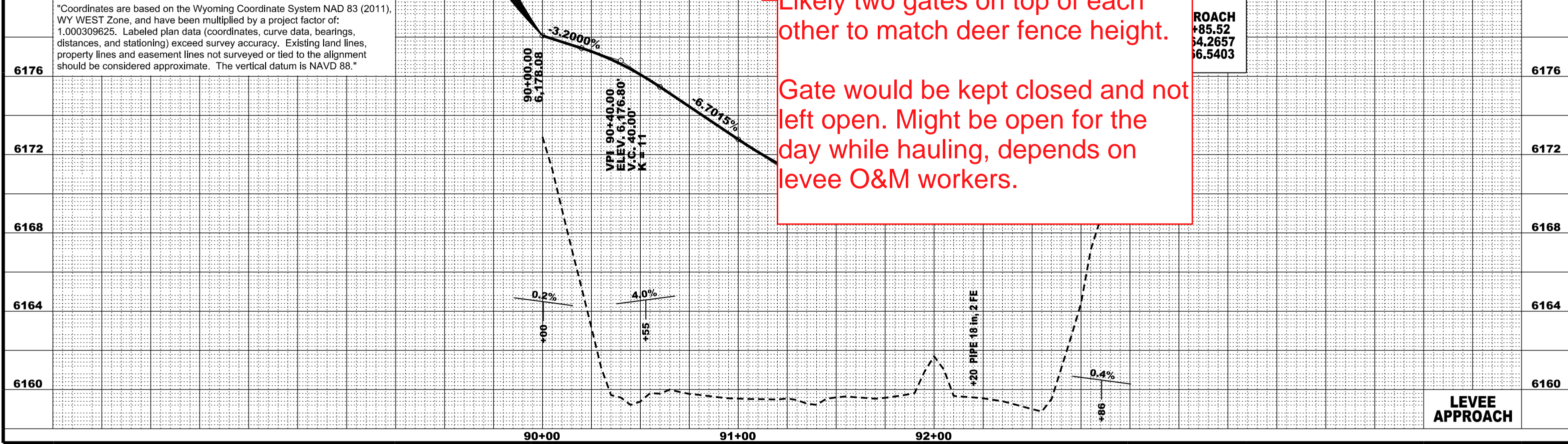
Might move to the east a little more. Bring access road closer to highway to reduce impacts.

Will be no parking signs to keep people from parking in the ROW.

Likely two gates on top of each other to match deer fence height.

Gate would be kept closed and not left open. Might be open for the day while hauling, depends on levee O&M workers.

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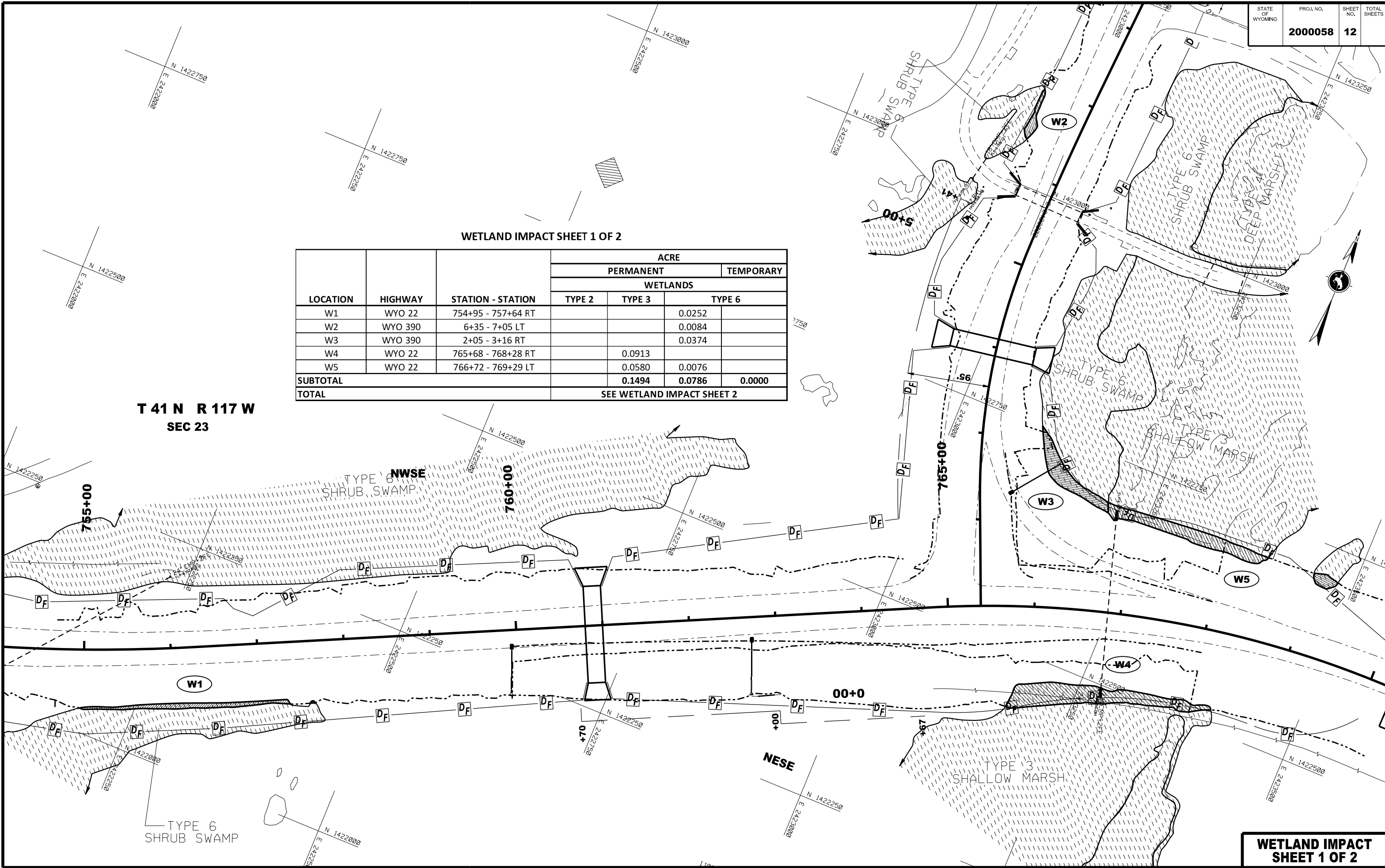


LEVEE APPROACH

WETLAND IMPACT SHEET 1 OF 2

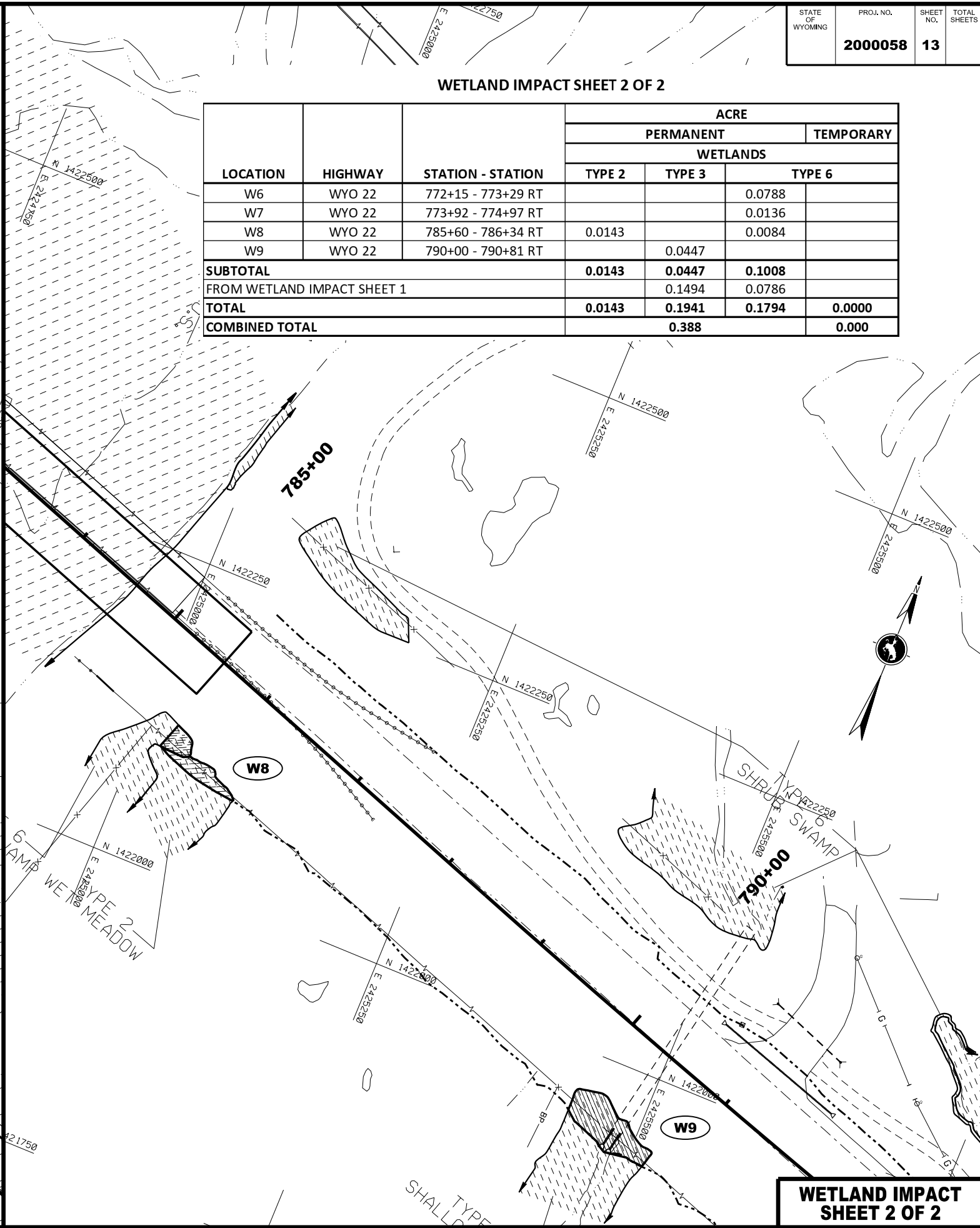
LOCATION	HIGHWAY	STATION - STATION	ACRE		
			PERMANENT		TEMPORARY
			WETLANDS		
			TYPE 2	TYPE 3	TYPE 6
W1	WYO 22	754+95 - 757+64 RT			0.0252
W2	WYO 390	6+35 - 7+05 LT			0.0084
W3	WYO 390	2+05 - 3+16 RT			0.0374
W4	WYO 22	765+68 - 768+28 RT		0.0913	
W5	WYO 22	766+72 - 769+29 LT		0.0580	0.0076
SUBTOTAL				0.1494	0.0786
TOTAL			SEE WETLAND IMPACT SHEET 2		

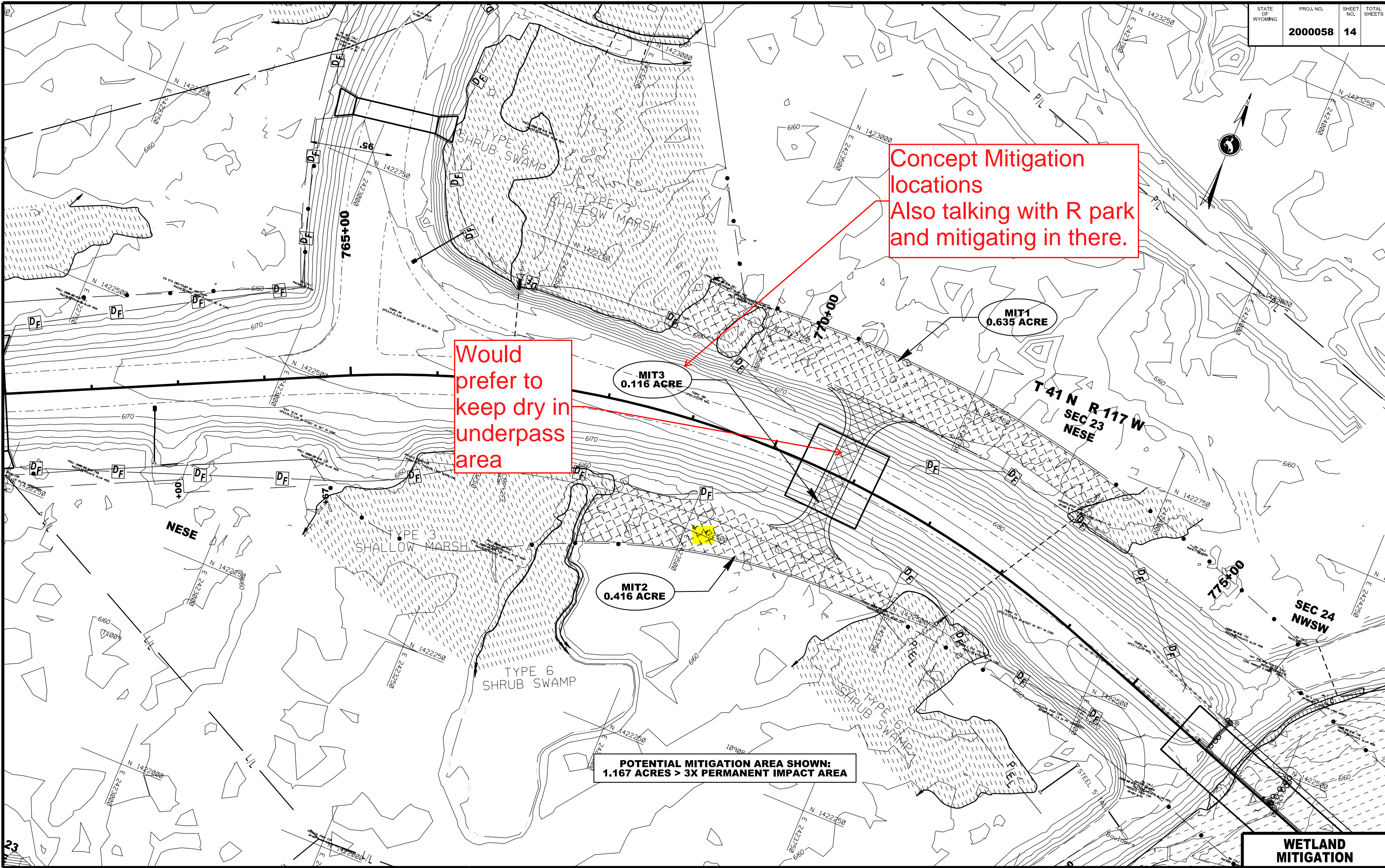
T 41 N R 117 W
 SEC 23



WETLAND IMPACT SHEET 2 OF 2

LOCATION	HIGHWAY	STATION - STATION	ACRE		
			PERMANENT		TEMPORARY
			WETLANDS		
			TYPE 2	TYPE 3	TYPE 6
W6	WYO 22	772+15 - 773+29 RT			0.0788
W7	WYO 22	773+92 - 774+97 RT			0.0136
W8	WYO 22	785+60 - 786+34 RT	0.0143		0.0084
W9	WYO 22	790+00 - 790+81 RT		0.0447	
SUBTOTAL			0.0143	0.0447	0.1008
FROM WETLAND IMPACT SHEET 1				0.1494	0.0786
TOTAL			0.0143	0.1941	0.1794
COMBINED TOTAL				0.388	0.000





Concept Mitigation locations
Also talking with R park and mitigating in there.

Would prefer to keep dry in underpass area

POTENTIAL MITIGATION AREA SHOWN:
1.167 ACRES > 3X PERMANENT IMPACT AREA

WETLAND MITIGATION



**END FENCE
SOUTH OF RAVEN HAVEN ROAD
WYO 390 STA. 18+17 RM 0.34**

**BEGIN FENCE
WENZEL LANE
WYO 22 STA. 721+89 RM 4.87**

**END FENCE
PRATT ROAD
WYO 22 STA. 818+94 RM 3.03**

WYDOT continues to work with G&F for final locations of wildlife jump outs or gates.

Jump outs preferred by G&F. Will need to work with landowner to get const permits or ROW for these.
 Need jump out between Wenzel and Hardeman, per G&F
 Hardeman needs jump out, per G&F
 Green Lane needs jump out. County Road can use more ROW (Clarification from Amy)
 Jump outs preferred, but might not fit in all locations, then gates are an option.
 North side conservation easements might be willing to allow property for jump outs
 G&F willing to help get jump outs installed, how they can.
 WYDOT can look at this further with landowners. Needs to be a team (WYDOT, G&F, NGOs, County) effort.

FENCE LIMITS



WYDOT Typical End Treatment. Bring fence towards the end of the clear zone

Animal detection system/interactive signage?
Install utility box at end of utility for future detection system.
Flashing Signs? WYDOT does not install utilities.
Might be a research option here?
Look at Nugget Canyon fence ends.

WYDOT will continue to look at design options.
Rock in clear zone likely a hazard to motorists.

Pathway is on road side of deer fence

Some sort of wildlife deterrent might be needed here depending on design

Bend pathway into clear zone to reduce the width?
Painted cattle guard?

Preference pathway goes behind stopped car at stop signs?

Electromats?

**BEGIN FENCE
WENZEL LANE
WYO 22 STA. 721+89 RM**

SEC 22
NESE

POT 721+00.00
N 1421954.7975
E 2418807.3098

OLIVER,
EDWARD
O'NEIL
ET AL C/O
OLIVER,
CHARLOTTE

SEC 22
SESE

WENZEL LANE

1421500 N

1421500 N

1421500 N

FENCE LOCATIONS

22.10° S 0° 24' 25.5" W
FROM STA. 734+50.23
TO AC SW 1/16 SEC 23
N 1421931.5116
E 2420157.3866



County wants 5' between pathway and parallel cattle guards.
Current 2' min at all locations, try to get more if WYDOT can.

Cattle guard on road with walk through gate next to it.

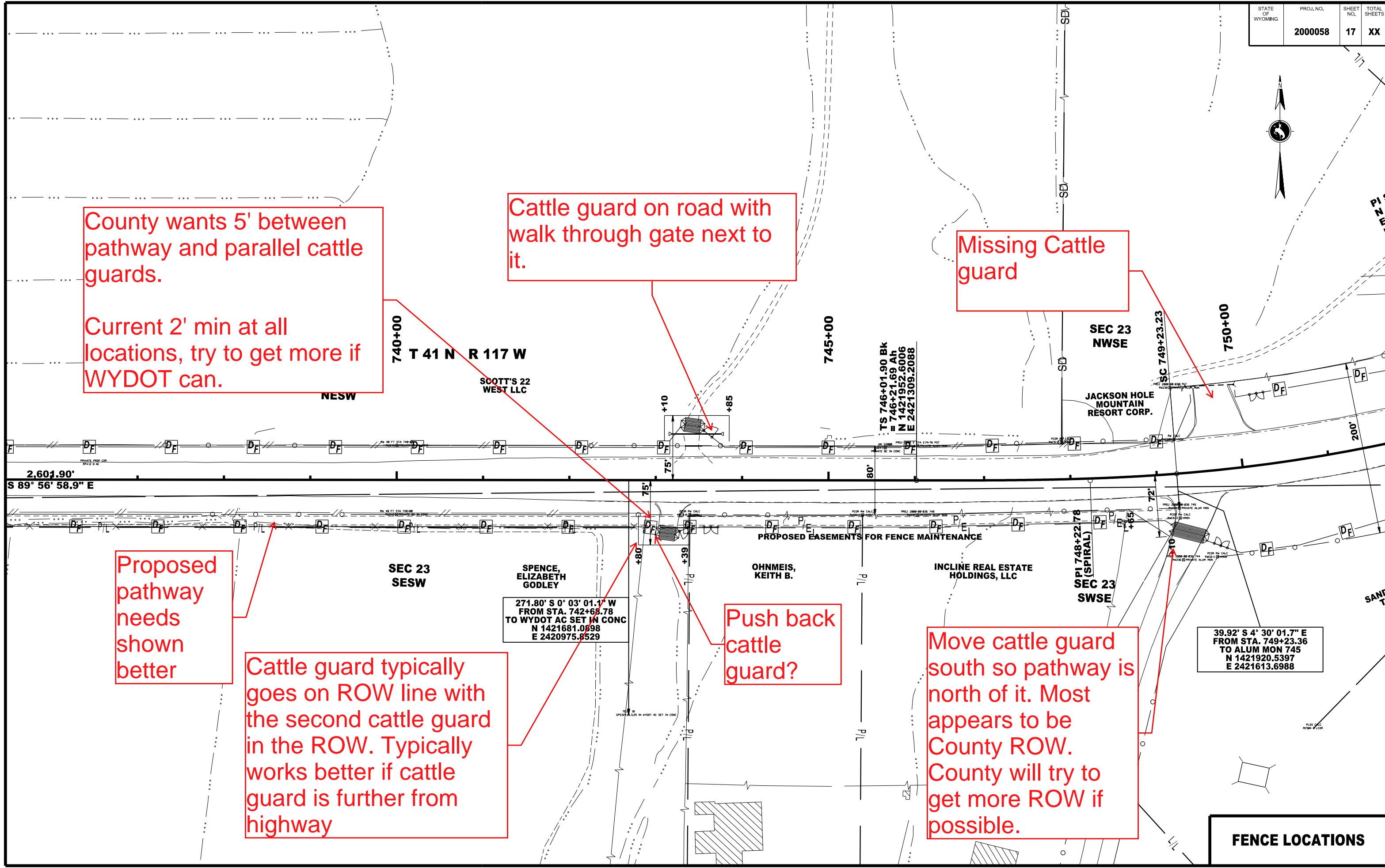
Missing Cattle guard

Proposed pathway needs shown better

Cattle guard typically goes on ROW line with the second cattle guard in the ROW. Typically works better if cattle guard is further from highway

Push back cattle guard?

Move cattle guard south so pathway is north of it. Most appears to be County ROW. County will try to get more ROW if possible.



39.92' S 4° 30' 01.7" E
FROM STA. 749+23.36
TO ALUM MON 745
N 1421920.5397
E 2421613.6988

271.80' S 0° 03' 01.1" W
FROM STA. 742+68.78
TO WYDOT AC SET IN CONC
N 1421681.0898
E 2420975.8529

TS 746+01.90 Bk
= 746+21.69 Ah
N 1421952.6006
E 2421309.2088

750+00

745+00

740+00

2,601.90'
S 89° 56' 58.9" E

FENCE LOCATIONS

Animals can get in ROW at this location. Jackson South project made an S shape box to show no exit to tunnel. Other option is to put fence running up north.

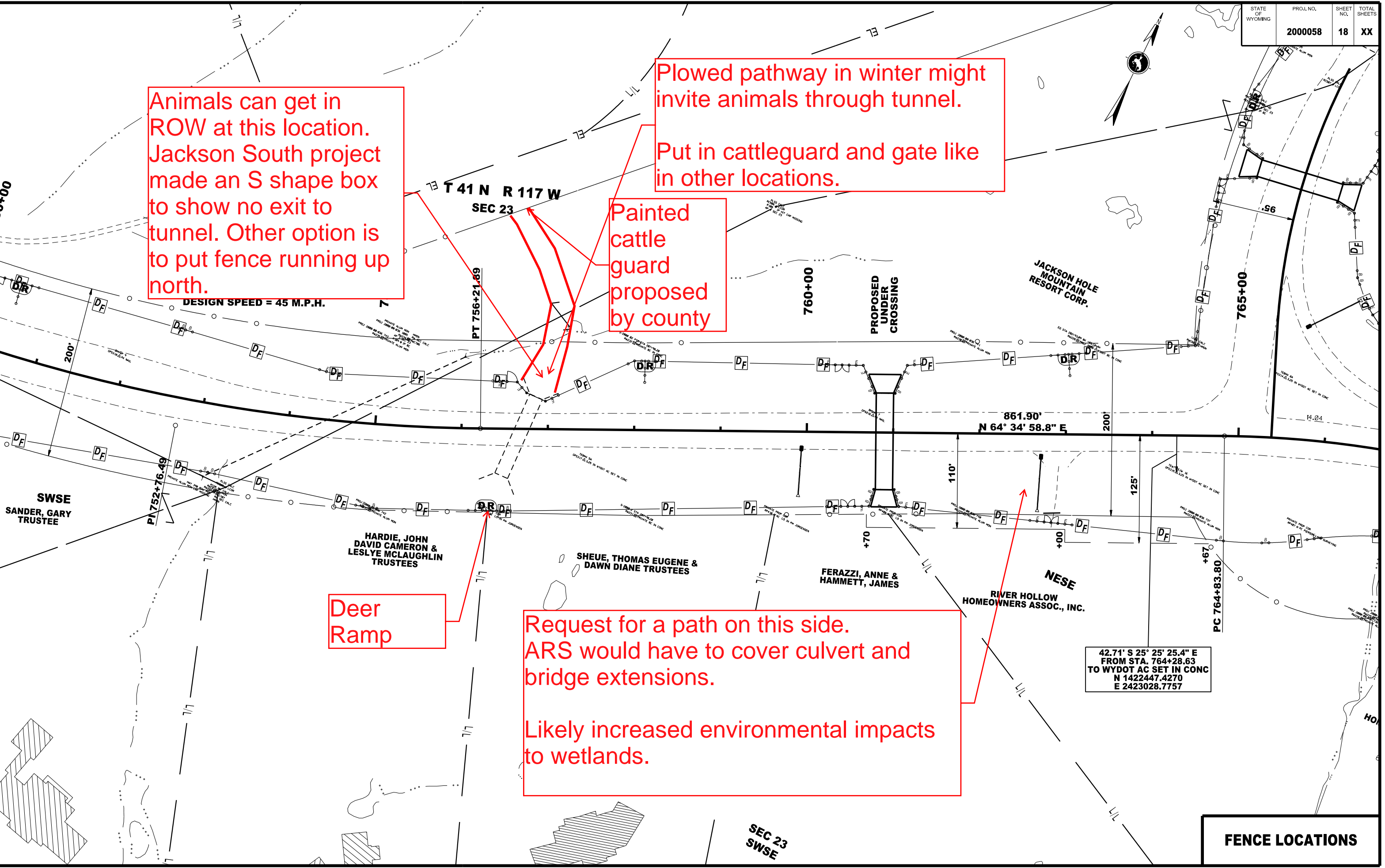
Plowed pathway in winter might invite animals through tunnel. Put in cattleguard and gate like in other locations.

Painted cattle guard proposed by county

Deer Ramp

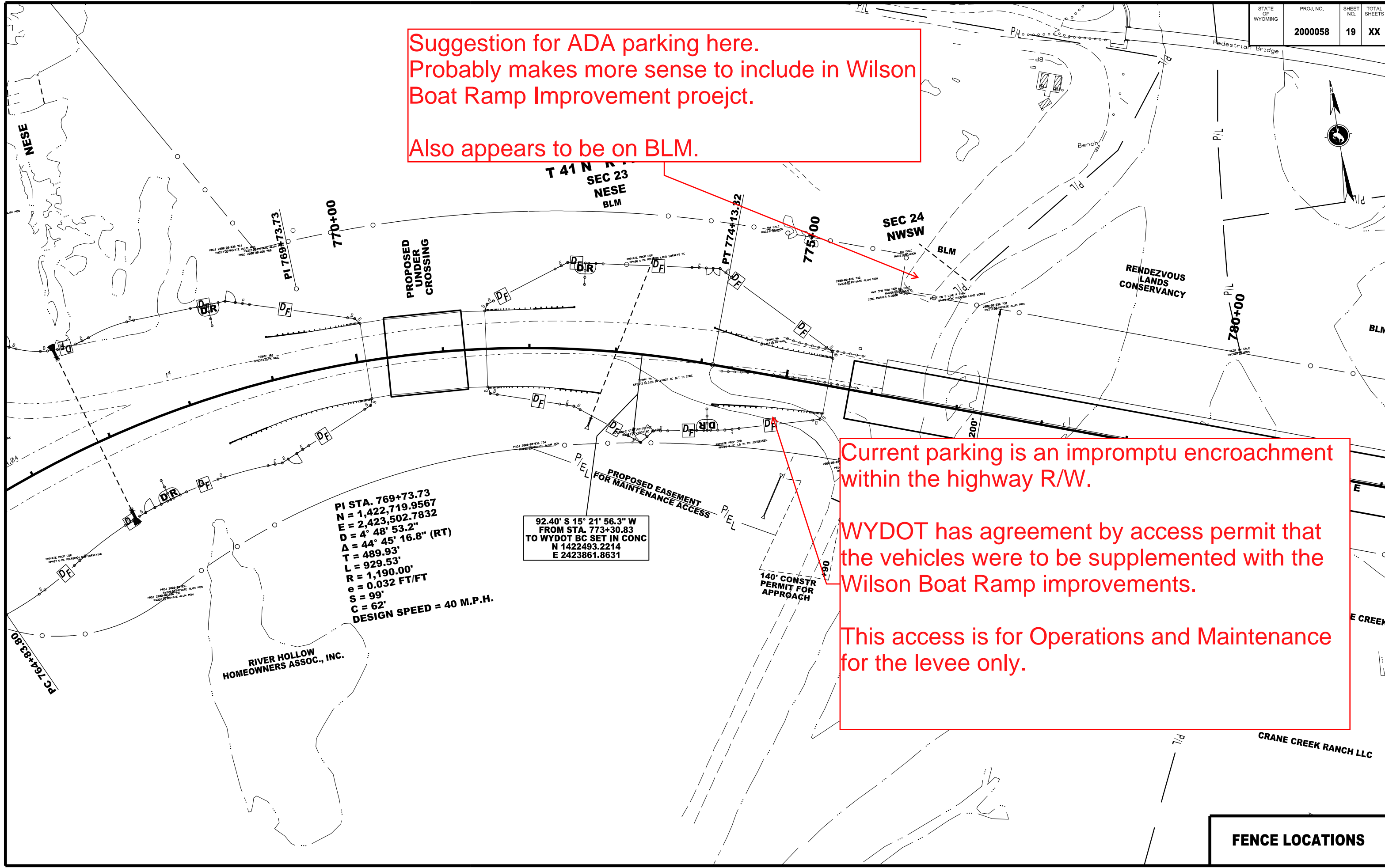
Request for a path on this side. ARS would have to cover culvert and bridge extensions. Likely increased environmental impacts to wetlands.

42.71' S 25° 25' 25.4" E FROM STA. 764+28.63 TO WYDOT AC SET IN CONC N 1422447.4270 E 2423028.7757



FENCE LOCATIONS

Suggestion for ADA parking here.
Probably makes more sense to include in Wilson Boat Ramp Improvement project.
Also appears to be on BLM.

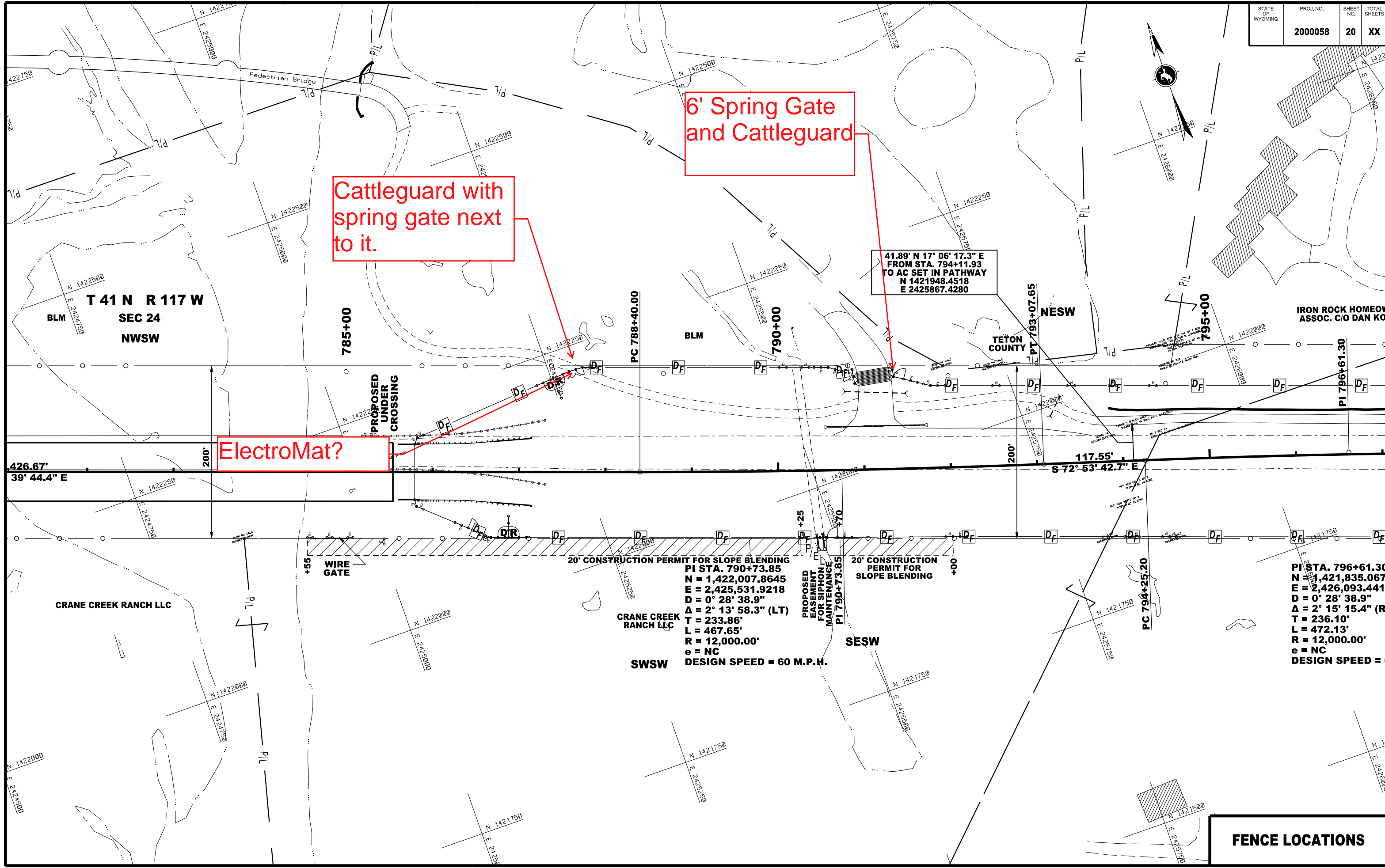


PI STA. 769+73.73
 N = 1,422,719.9567
 E = 2,423,502.7832
 D = 4° 48' 53.2"
 Δ = 44° 45' 16.8" (RT)
 T = 489.93'
 L = 929.53'
 R = 1,190.00'
 e = 0.032 FT/FT
 S = 99'
 C = 62'
 DESIGN SPEED = 40 M.P.H.

92.40° S 15° 21' 56.3" W
 FROM STA. 773+30.83
 TO WYDOT BC SET IN CONC
 N 1422493.2214
 E 2423861.8631

Current parking is an impromptu encroachment within the highway R/W.
 WYDOT has agreement by access permit that the vehicles were to be supplemented with the Wilson Boat Ramp improvements.
 This access is for Operations and Maintenance for the levee only.

FENCE LOCATIONS



6' Spring Gate and Cattleguard

Cattleguard with spring gate next to it.

41.89' N 17° 06' 17.3" E
FROM STA. 794+11.93
TO AC SET IN PATHWAY
N 1421948.4518
E 2425867.4280

ElectroMat?

20' CONSTRUCTION PERMIT FOR SLOPE BLENDING
PI STA. 790+73.85

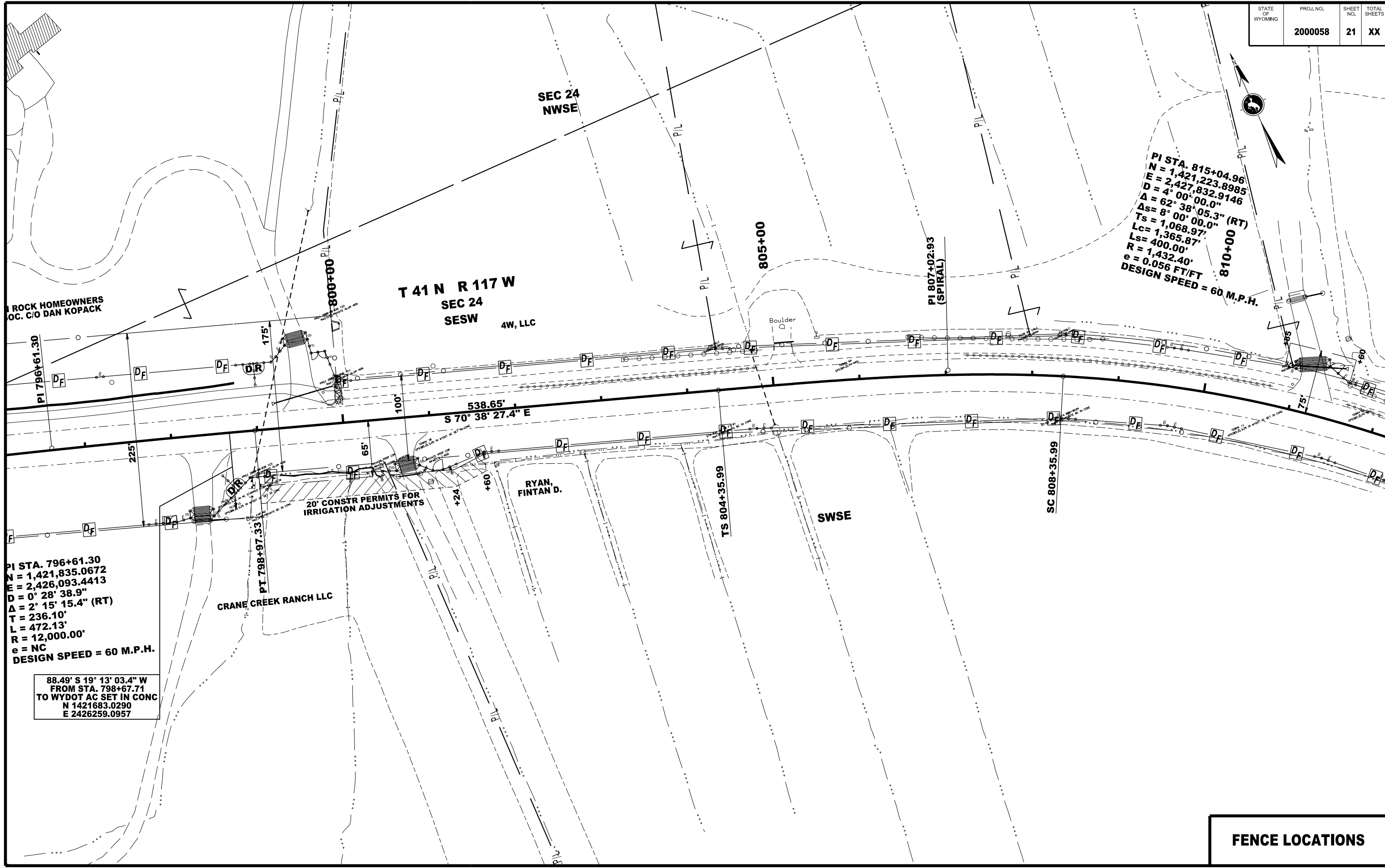
CRANE CREEK RANCH LLC
SWSW

PROPOSED EASEMENT FOR SIPHON MAINTENANCE
PI 790+73.85

SESW

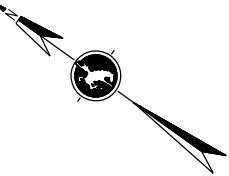
PI STA. 796+61.30
N = 1,421,835.067
E = 2,426,093.441
D = 0° 28' 38.9"
Δ = 2° 15' 15.4" (R)
T = 236.10'
L = 472.13'
R = 12,000.00'
e = NC
DESIGN SPEED =

FENCE LOCATIONS



88.49' S 19° 13' 03.4" W
 FROM STA. 798+67.71
 TO WYDOT AC SET IN CONC
 N 1421683.0290
 E 2426259.0957

FENCE LOCATIONS



**END FENCE
PRATT ROAD
WYO 22 STA. 818+94 RM 3.03**

PI STA. 815+04.96
 N = 1,421,223.8985
 E = 2,427,832.9146
 D = 4° 00' 00.0"
 Δ = 62° 38' 05.3" (RT)
 Δs = 8° 00' 00.0"
 Ts = 1,068.97'
 Lc = 1,365.87'
 Ls = 400.00'
 R = 1,432.40'
 e = 0.056 FT/FT
 DESIGN SPEED = 60 M.P.H.

815+00 PI 815+75.85
 T 41 N R 117 W

4W, LLC

820+00 PRATT ROAD

SEC 24 SWSE
 RYAN, FINTAN D.

53.19' S 89° 35' 07.1" E
 FROM STA. 819+61.69
 TO ALUM MON 718
 N 1420588.4745
 E 2427955.2730

CS 822+01.86
 N 1420355.7013
 E 2427955.0267

FENCE LOCATIONS

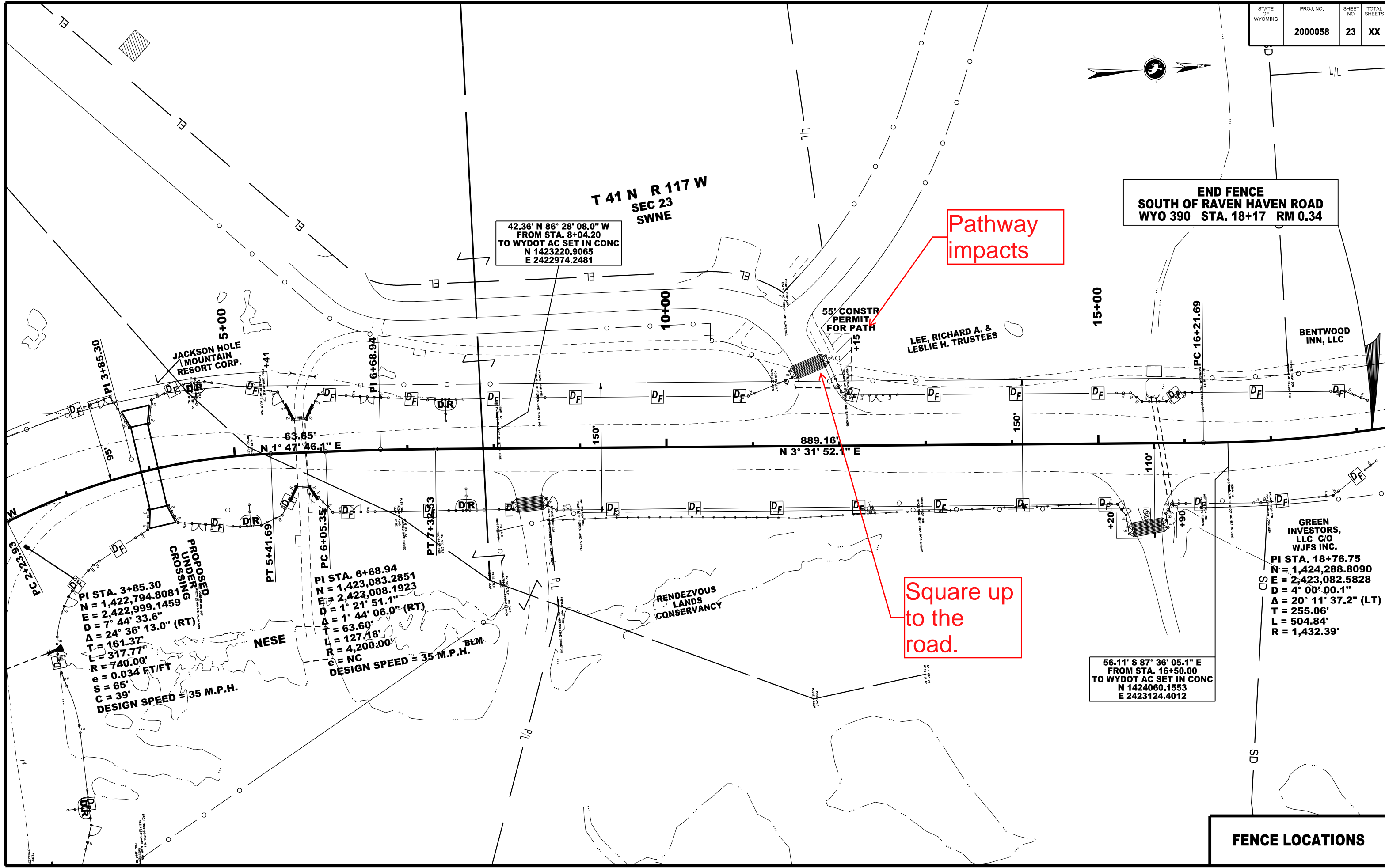


T 41 N R 117 W
SEC 23
SWNE

42.36' N 86° 28' 08.0" W
FROM STA. 8+04.20
TO WYDOT AC SET IN CONC
N 1423220.9065
E 2422974.2481

Pathway
impacts

END FENCE
SOUTH OF RAVEN HAVEN ROAD
WYO 390 STA. 18+17 RM 0.34



Square up
to the
road.

PROPOSED
CROSSING
UNDER

PI STA. 3+85.30
N = 1,422,794.8081
E = 2,422,999.1459
D = 7° 44' 33.6"
Δ = 24° 36' 13.0" (RT)
T = 161.37'
L = 317.77'
R = 740.00'
e = 0.034 FT/FT
S = 65'
C = 39'
DESIGN SPEED = 35 M.P.H.

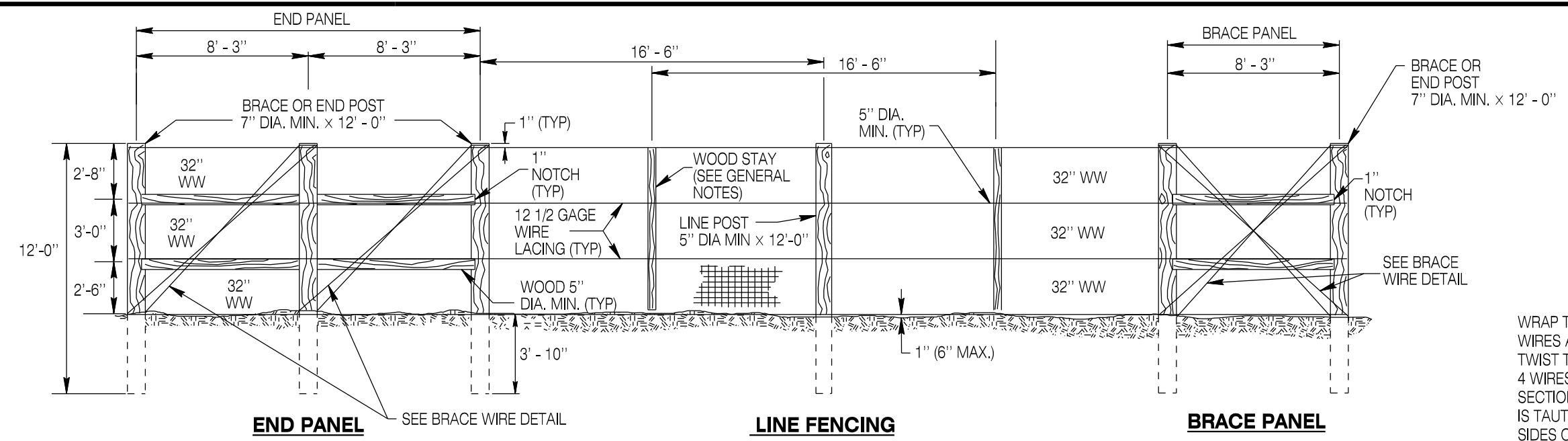
PI STA. 6+68.94
N = 1,423,083.2851
E = 2,423,008.1923
D = 1° 21' 51.1"
Δ = 1° 44' 06.0" (RT)
T = 63.60'
L = 127.18'
R = 4,200.00'
e = NC
DESIGN SPEED = 35 M.P.H.

GREEN
INVESTORS,
LLC C/O
WJFS INC.

PI STA. 18+76.75
N = 1,424,288.8090
E = 2,423,082.5828
D = 4° 00' 00.1"
Δ = 20° 11' 37.2" (LT)
T = 255.06'
L = 504.84'
R = 1,432.39'

56.11' S 87° 36' 05.1" E
FROM STA. 16+50.00
TO WYDOT AC SET IN CONC
N 1424060.1553
E 2423124.4012

FENCE LOCATIONS



BRACE OR END POST
7" DIA. MIN. x 12' - 0"

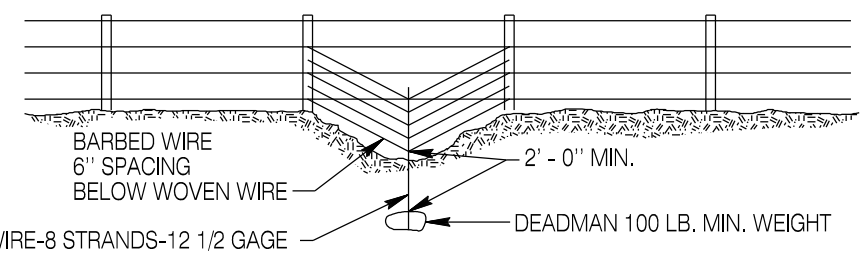
1" NOTCH (TYP)

SEE BRACE WIRE DETAIL

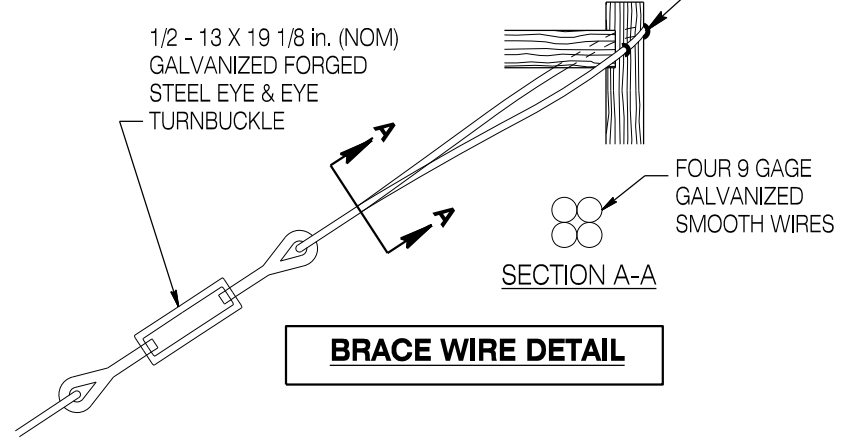
WRAP TWO 9-GAGE WIRES AROUND POST AND TWIST TOGETHER (FORMING 4 WIRES AS SHOWN IN SECTION A-A) SO BRACE WIRE IS TAUT. STAPLE TO THREE SIDES OF EACH POST.

NOTE

Dimensions shown should be considered nominal and subject to minor adjustment as approved.



UNEVEN TERRAIN MODIFICATION DETAIL



BRACE WIRE DETAIL

DEER FENCE NOTES

Construct Deer Fence in accordance with the wire fence standard plan using wooden posts except as modified elsewhere in the plans.

Provide woven wire in accordance with the Wyoming Department of Transportation Standard Specifications for Road and Bridge construction.

Conform woven wire to ASTM 116. Construct fence from 3 widths of 32 in. woven wire, design number 832-6-11, or 2 widths of 47 in. woven wire, design number 1047-6-11.

Attach woven wire with 2 in. - 9 gage barbed shank galvanized staples. Attach stays with 2 in. - 9 gage galvanized shank staples.

Add metal fence post between regular wood posts at intervals less than 500 ft. with not less than one metal post in any length over 200 ft. between openings. Metal posts 10 ft. long galvanized and driven a minimum of 2 ft. into the soil.

Nail cross braces on end and brace panels to end posts with 20d nails.

The engineer will designate the locations to place brace panels. Do not exceed 600 ft. spacings.

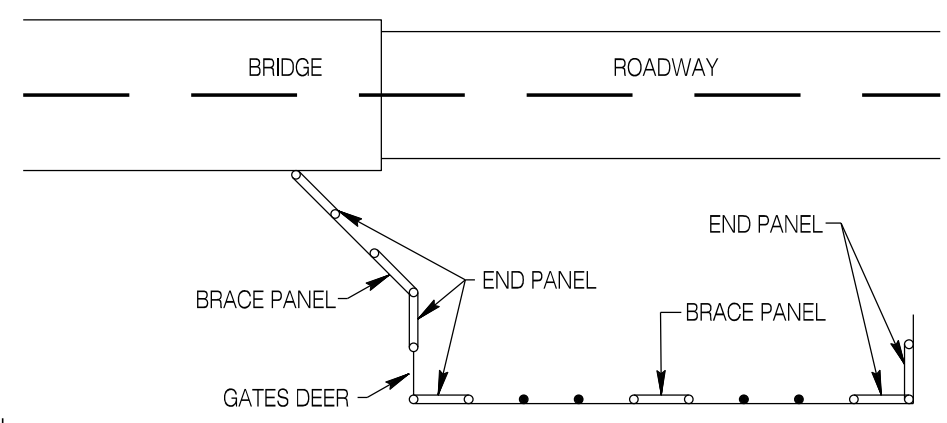
Lock all gates with Wyoming Department of Transportation furnished padlocks. Furnish and install 3 ft. long galvanized chain with 12 links per foot and 1/4 in diameter links.

See uneven terrain modification detail for fence gaps greater than 6 in. created between the terrain and the bottom run of woven wire. The work is incidental to Fence Deer.

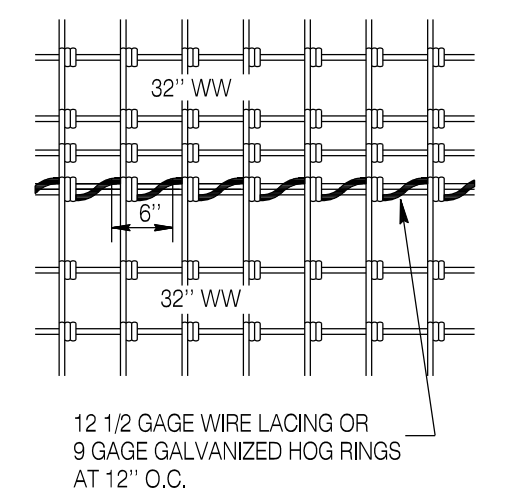
Wood stays will be either 2 in. round or 2 in. X 4 in nom. Wood stays will be of sufficient length to place the bottom of the stay on the ground and the top of the stay approximately even with the top of the highest run of woven wire. Staple woven wire securely to wood stay. Place wood stays between each line posts or as directed by the engineer. The work is incidental to Fence Deer.

All wood line posts and cross brace members will be 5 in. minimum diameter and all wood brace and end panel posts will be 7 in. minimum diameter regardless of installation method. Place large end of posts downward.

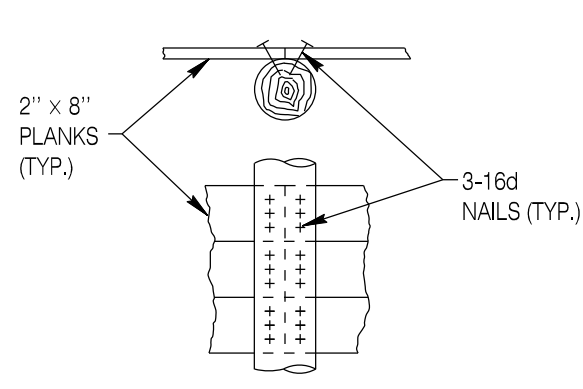
Galvanize all hardware, wire and nails in accordance with the applicable sections of the standard specifications.



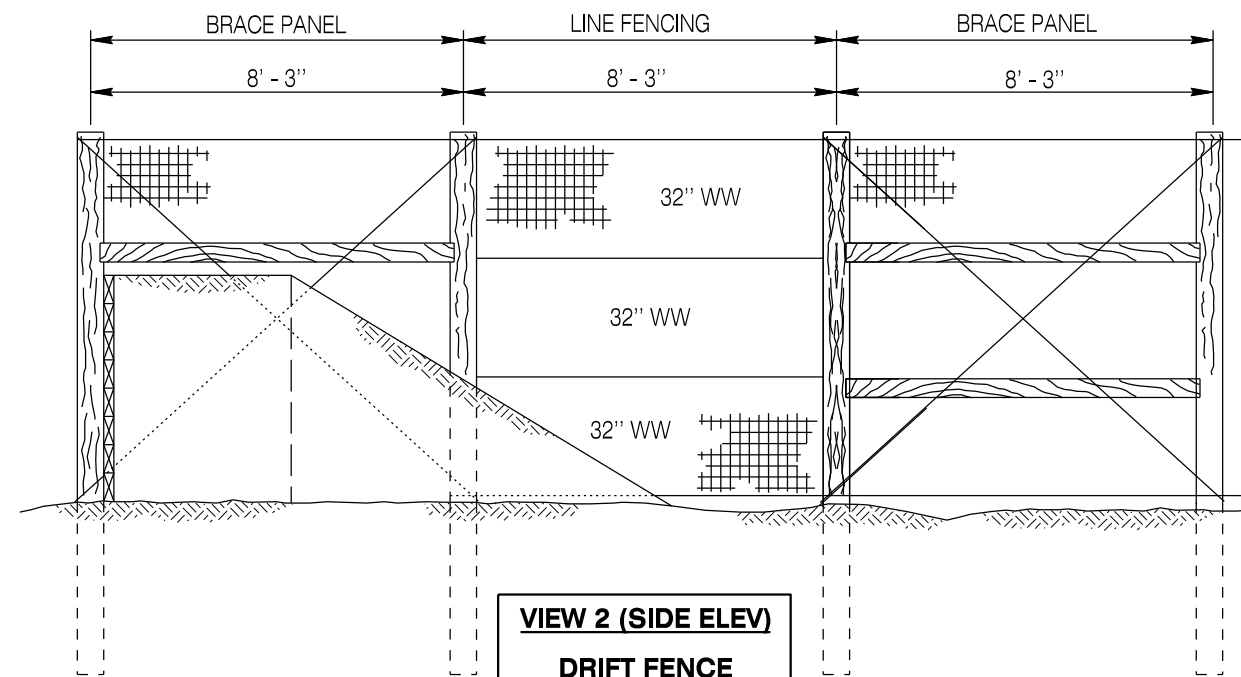
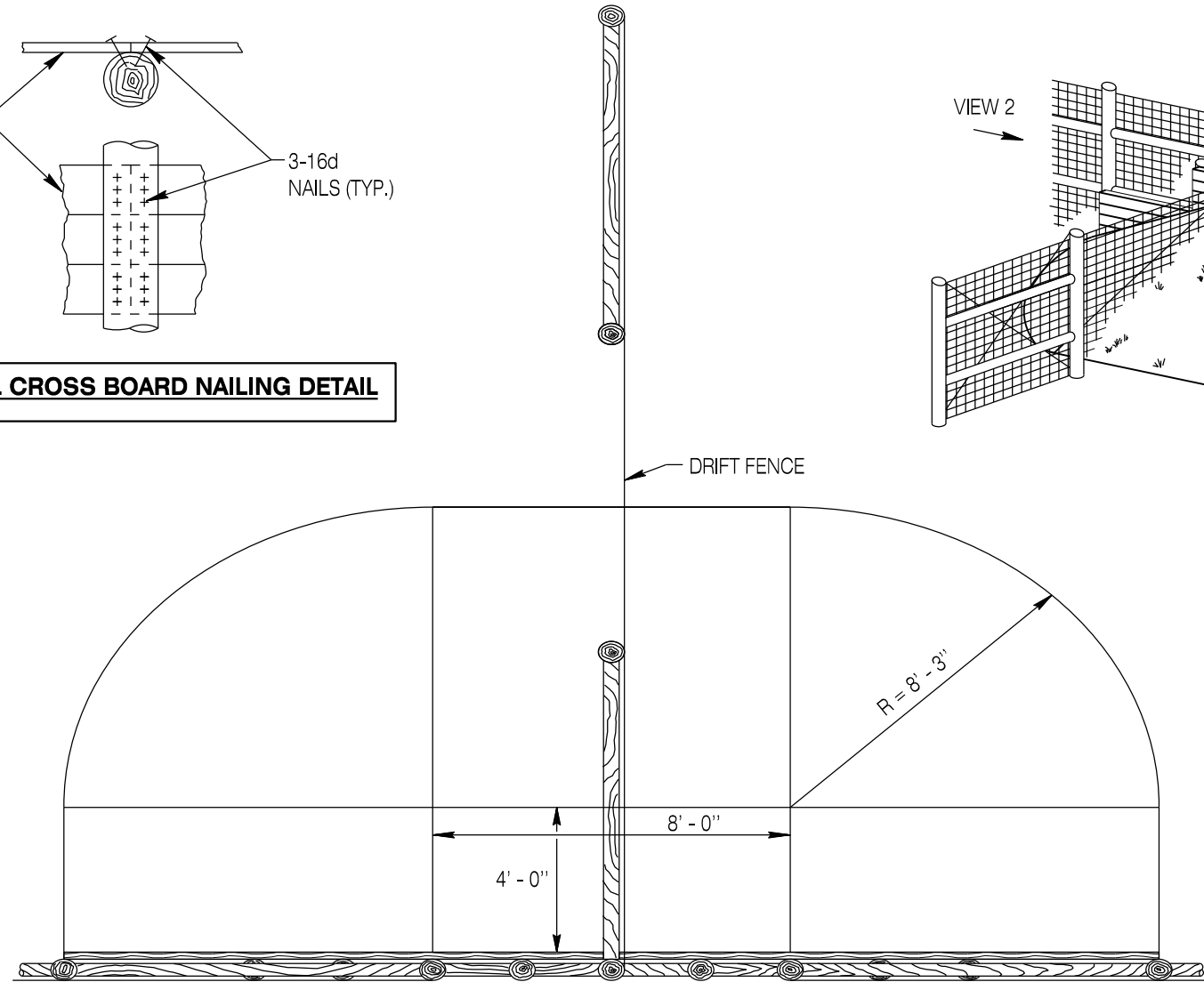
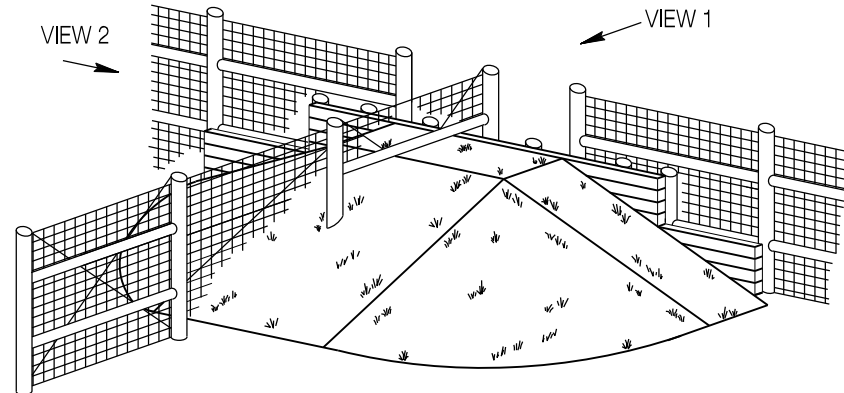
TYPICAL FENCING DETAIL



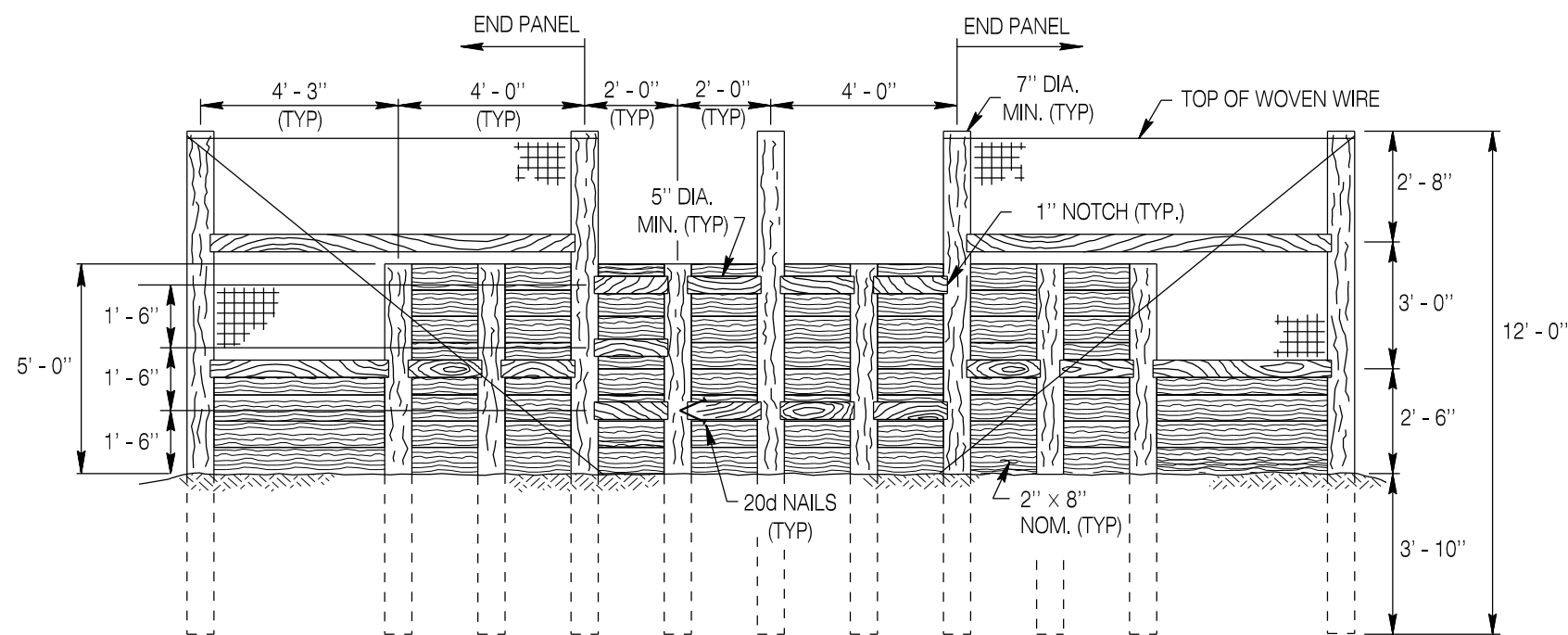
LACING DETAIL



TYPICAL CROSS BOARD NAILING DETAIL



**VIEW 2 (SIDE ELEV)
DRIFT FENCE**



**VIEW 1 (REAR ELEVATION)
DEER RAMP**

DEER RAMP NOTES

Construct deer fence, brace panels and panels built in conjunction with the deer ramps in accordance with the deer fence detail unless otherwise modified on this detail.

Place end panels on both sides of the deer ramp openings.

Nail the ends of the nominal 2" X 8" planks securely to the posts with 16d nails in the configuration shown.

Galvanize all hardware, wire and nails in accordance with the applicable sections of the standard specifications.

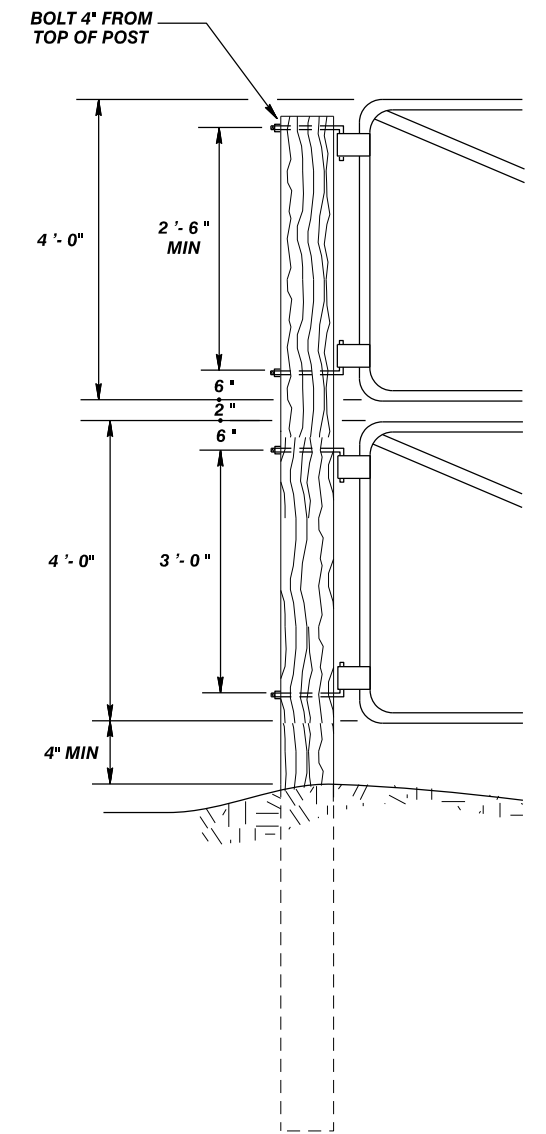
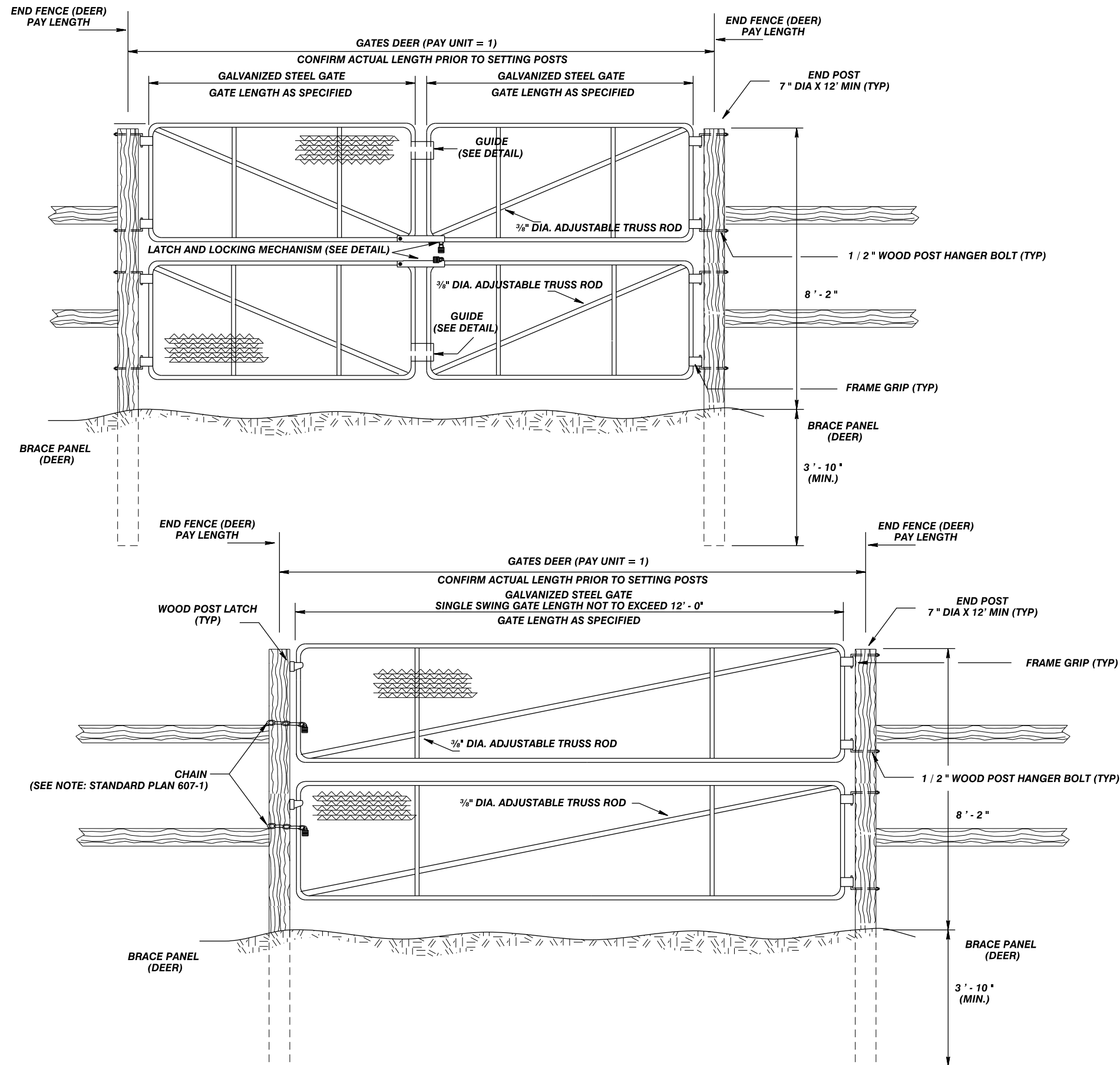
Obtain soil required to construct Deer Ramps from cuts within the project limits or as directed by the engineer.

Use Lodgepole Pine, Ponderosa Pine, Engelman Spruce, Douglas Fir, Hem-Fir or Western Larch of Grading WWPA No. 2 or better timber planks treated in accordance with the standard specifications.

Construct deer ramps with round timber members in accordance with the applicable sections for fence posts in the standard specifications.

NOTE

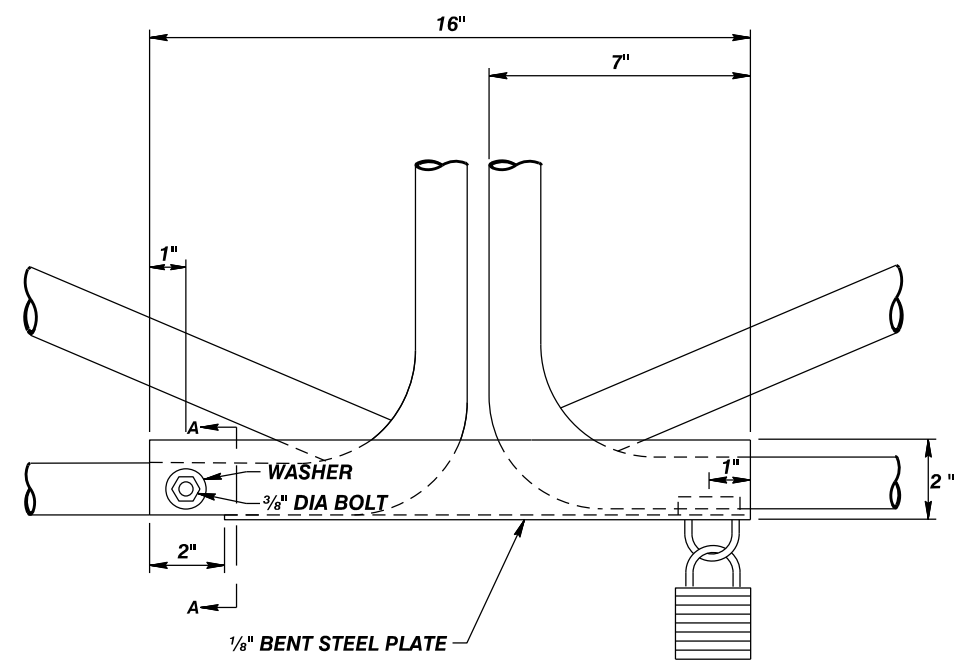
Dimensions shown should be considered nominal and are subject to minor adjustment as approved.



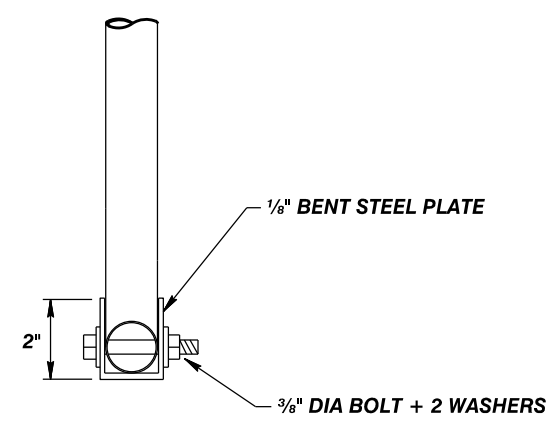
GATE HANGING DETAIL

NOTES

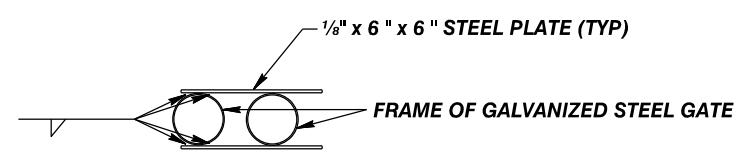
- INSTALL GATES DEER AT LOCATIONS SHOWN IN PLANS OR AS DIRECTED.
- CONSTRUCT GATES DEER IN ACCORDANCE WITH STANDARD PLAN 607-1A, WIRE FENCE, AND THE REQUIREMENTS OF SECTION 607, WIRE FENCE, EXCEPT AS MODIFIED HEREIN.
- GALVANIZED STEEL GATES ARE INCIDENTAL TO GATES DEER.
- FIELD OR SHOP TREAT GALVANIZED STEEL GATES WITH NATINA STAIN OR APPROVED EQUIVALENT, INCIDENTAL TO GATES DEER.



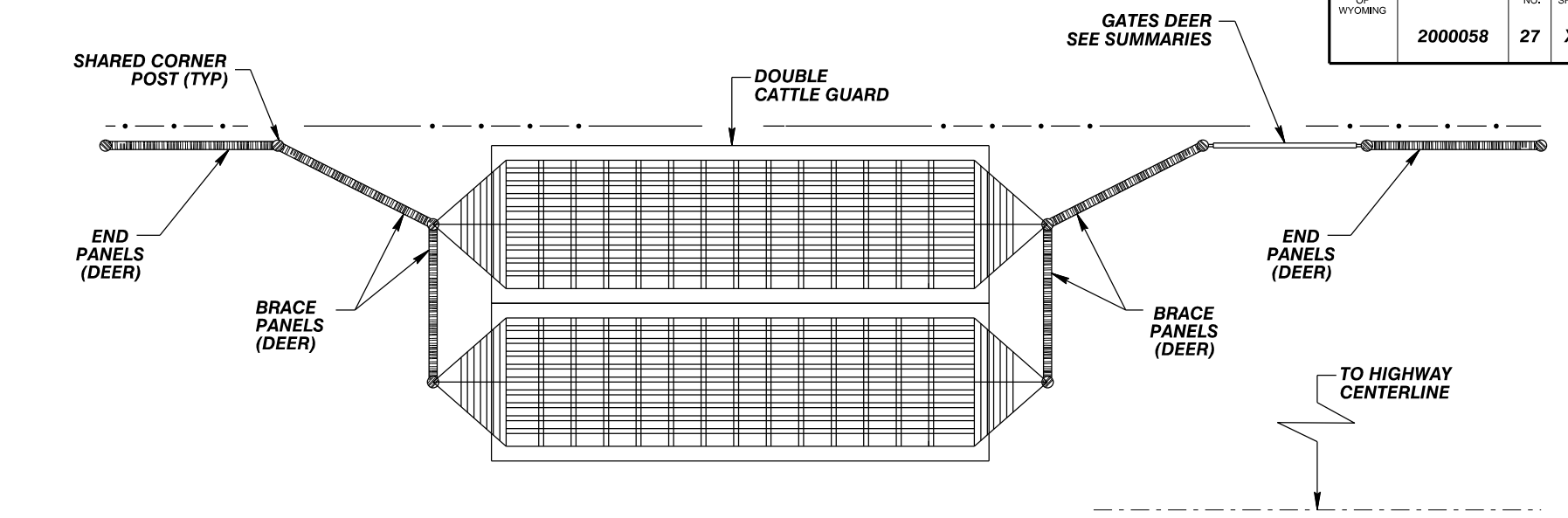
LATCH AND LOCKING MECHANISM DETAIL



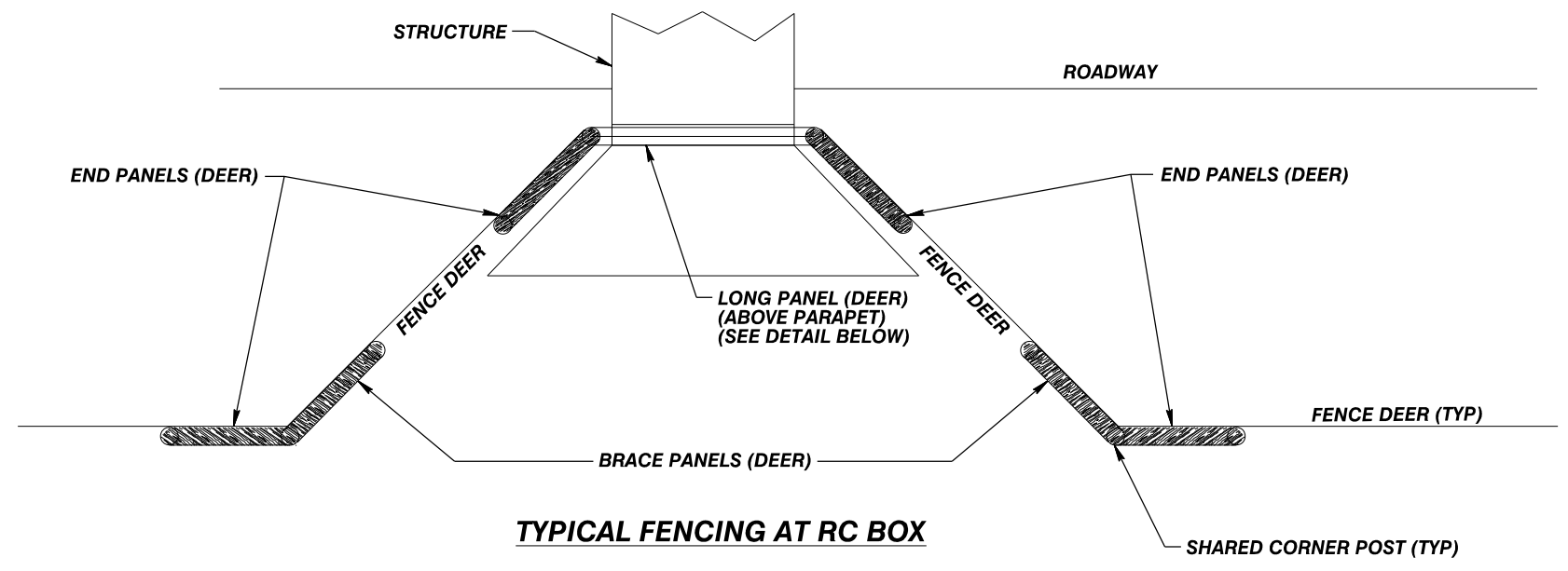
SECTION A - A



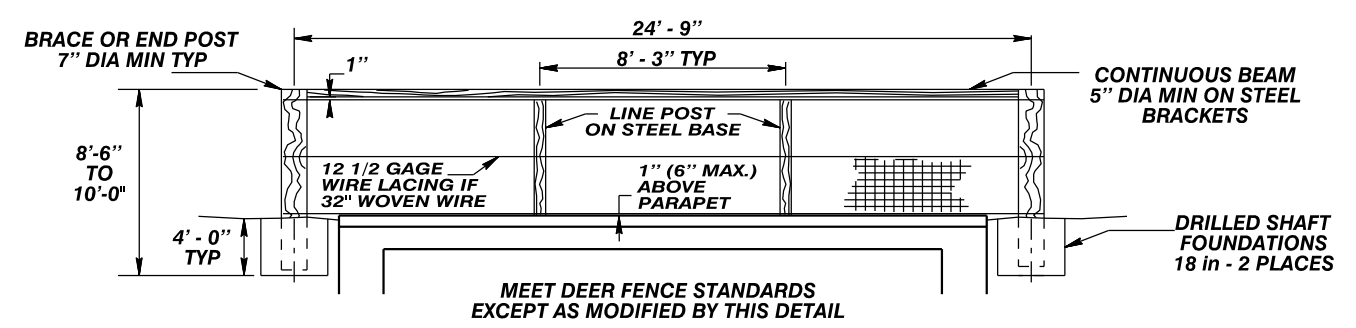
GUIDE DETAIL



TYPICAL FENCING AT CATTLE GUARD

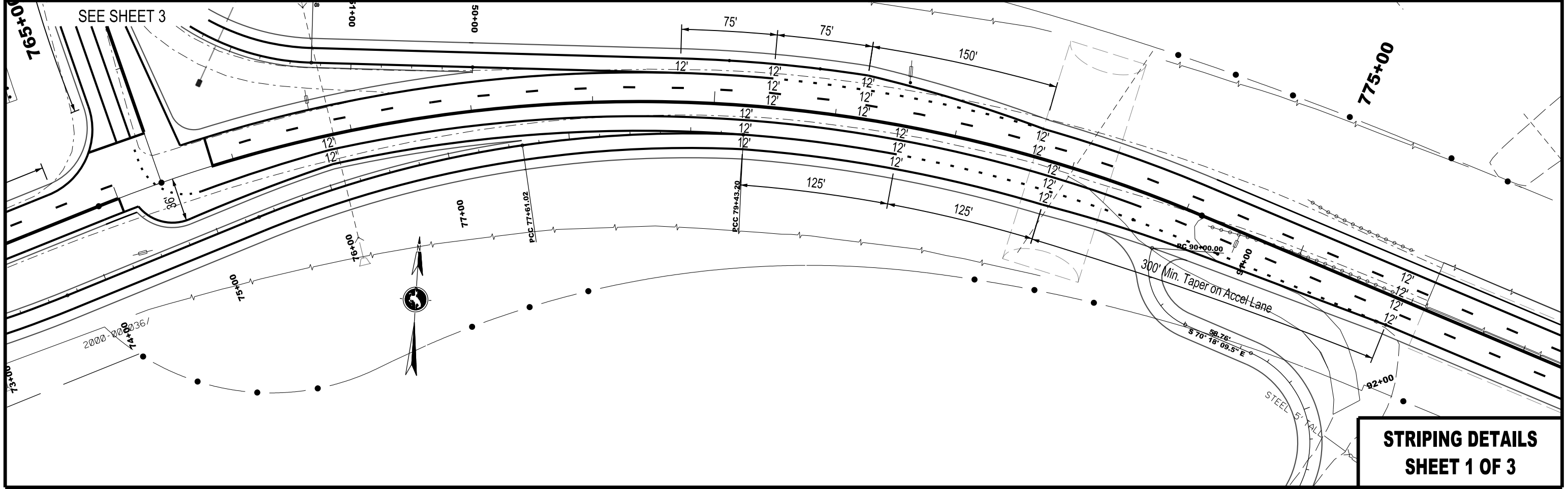
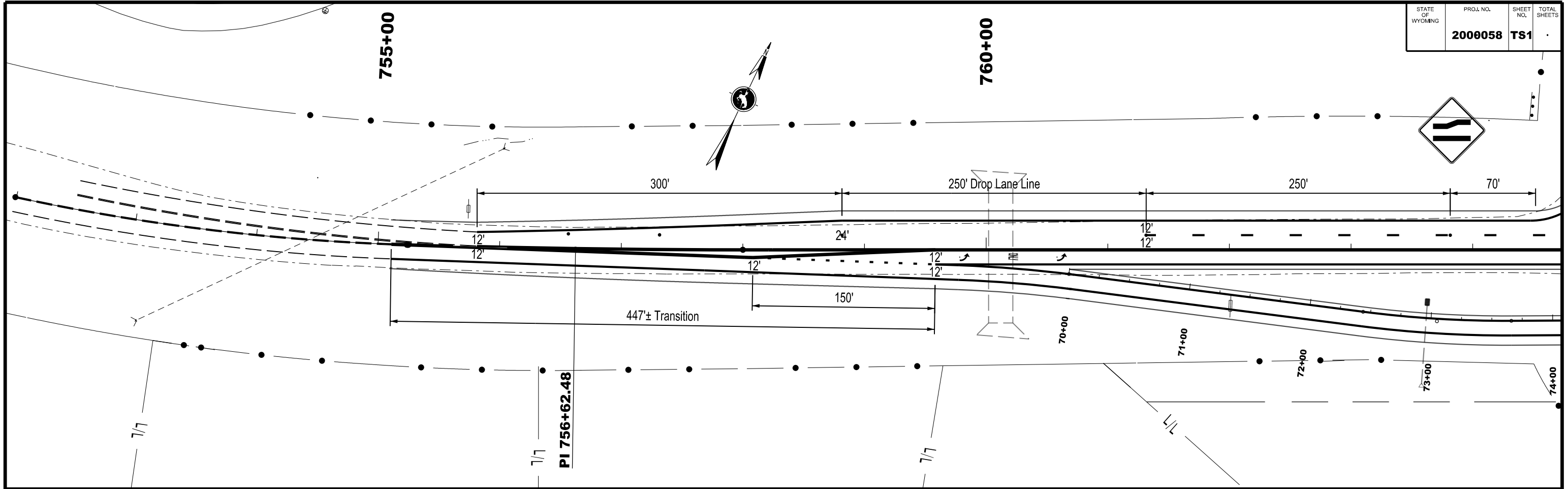


TYPICAL FENCING AT RC BOX

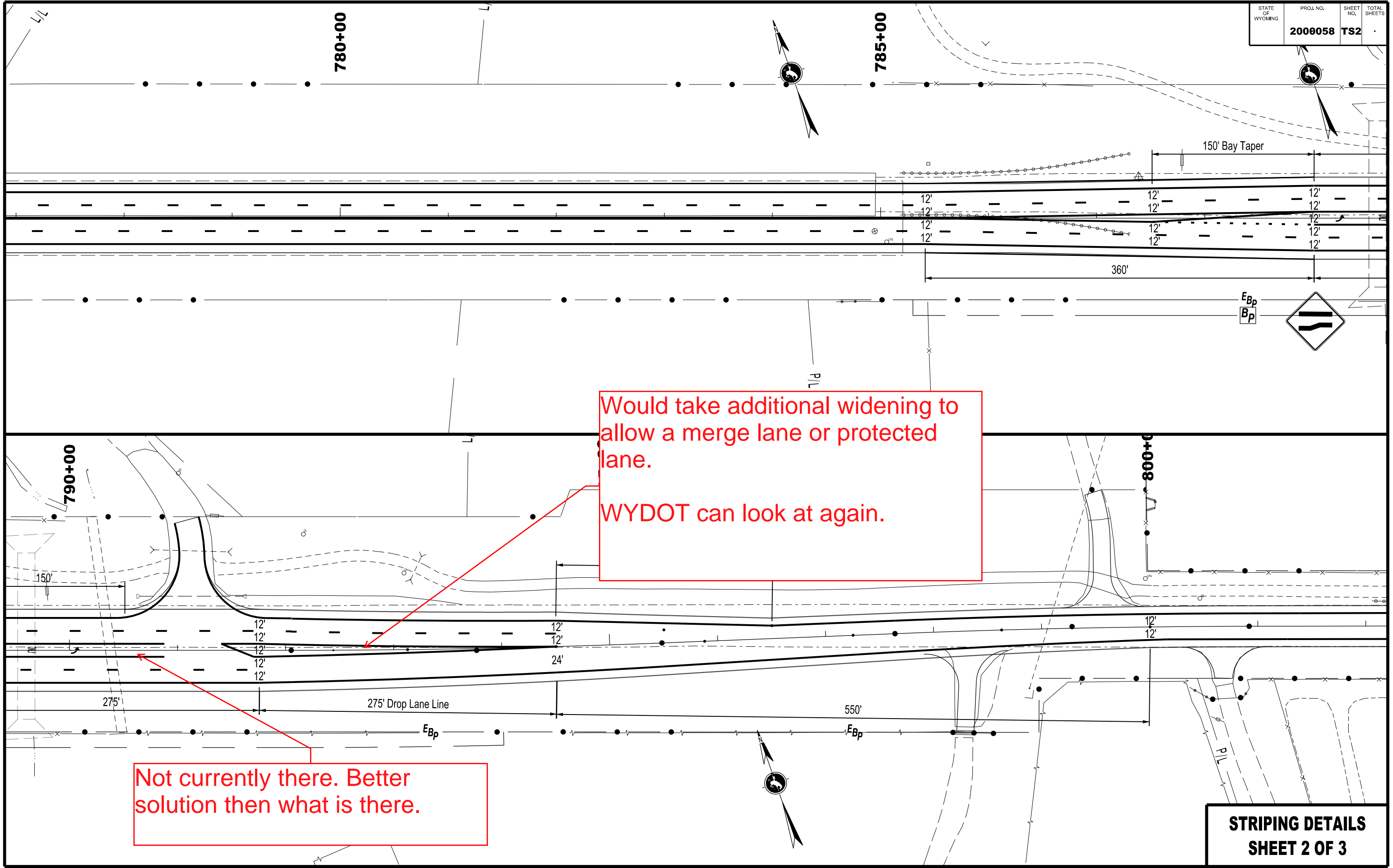


**LONG PANEL (DEER) - PAID AS END PANEL (DEER)
TYPICAL DETAIL AT RC BOX UNDERCROSSING**

STATE OF WYOMING	PROJ. NO.	SHEET NO.	TOTAL SHEETS
	2000058	TS1	



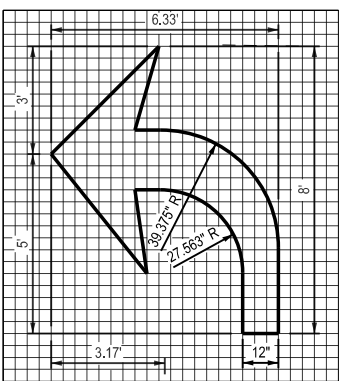
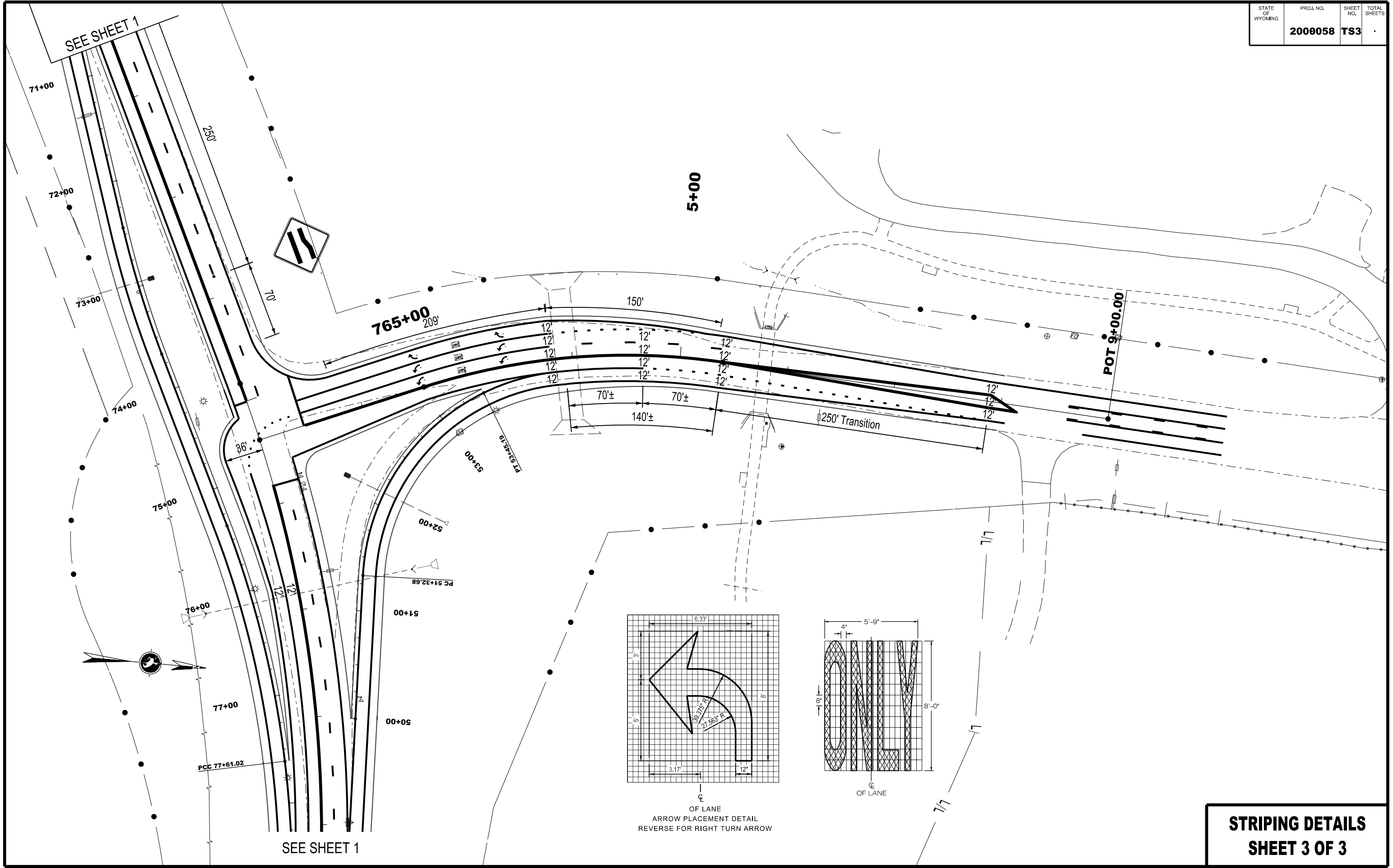
**STRIPING DETAILS
SHEET 1 OF 3**



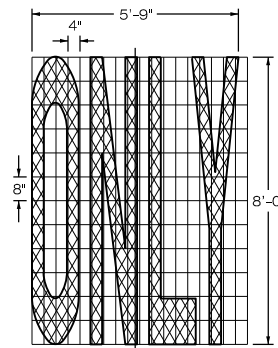
Would take additional widening to allow a merge lane or protected lane.
 WYDOT can look at again.

Not currently there. Better solution than what is there.

STATE OF WYOMING	PROJ. NO.	SHEET NO.	TOTAL SHEETS
	2000058	TS3	



OF LANE
ARROW PLACEMENT DETAIL
REVERSE FOR RIGHT TURN ARROW



OF LANE

STRIPING DETAILS
SHEET 3 OF 3