

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: F 2023(629)

CONTROL: 0038-05-040

COUNTY: ZAPATA

LETTING: 05/05/2023

REFERENCE NO: 0426

PROPOSAL ADDENDUMS

- PROPOSAL COVER
- BID INSERTS (SH. NO.: ALL)
- GENERAL NOTES (SH. NO.:)
- SPEC LIST (SH. NO.:)
- SPECIAL PROVISIONS:)
- ADDED:

DELETED:

- SPECIAL SPECIFICATIONS:
- ADDED:

DELETED:

OTHER: PLAN SHEETS AND OTHER CHANGES

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

***** BID INSERTS *****

REVISED QUANTITIES FOR THE FOLLOWING BID ITEMS:
160-6005, 168-6001, 506-6034

BID INSERT SHEETS 1-14 OF 14 CHANGED AS A RESULT OF THE ABOVE REVISIONS.

PLANS:

PLAN SHEETS 15,15A-15D (ESTIMATE & QUANTITY SHEETS) -
REVISED SHEETS AS DESCRIBED ABOVE IN THE BID INSERTS OF THE PROPOSAL.

PLAN SHEET 41 - REVISED TCP GENERAL NOTES SHEET TO INCLUDE A NOTE ON
UTILITY RESTRICTIONS.

PLAN SHEETS 413,433,439,443,448,449, AND 451 -
REVISED SW3P SHEETS.



CONTROLLING PROJECT ID 0038-05-040

DISTRICT Pharr
HIGHWAY US 83

COUNTY Zapata

Estimate & Quantity Sheet

CONTROL SECTION JOB				0038-05-040		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00121606			
COUNTY				Zapata			
HIGHWAY				US 83			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	100-6002	PREPARING ROW	STA	340.000		340.000	
	104-6028	REMOVING CONC (MISC)	SY	3.000		3.000	
	104-6037	REMOVE CONC (RAIL)	LF	169.000		169.000	
	104-6054	REMOVING CONCRETE(MOW STRIP)	LF	3,173.000		3,173.000	
	105-6054	REMOVING STAB BASE & ASPH PAV (18")	SY	86,841.000		86,841.000	
	110-6001	EXCAVATION (ROADWAY)	CY	80,771.000		80,771.000	
	132-6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	150,405.000		150,405.000	
	160-6005	FURNISHING AND PLACING TOPSOIL	CY	865.000		865.000	
	164-6034	DRILL SEEDING (PERM) (RURAL) (SANDY)	AC	104.000		104.000	
	164-6042	DRILL SEEDING (TEMP) (WARM)	AC	104.000		104.000	
	166-6002	FERTILIZER	TON	52.000		52.000	
	168-6001	VEGETATIVE WATERING	MG	15,651.000		15,651.000	
	216-6001	PROOF ROLLING	HR	580.000		580.000	
	247-6225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	70,319.000		70,319.000	
	260-6012	LIME(HYD,COM OR QK)(SLRY)OR QK(DRY)	TON	11.000		11.000	
	275-6001	CEMENT	TON	5,598.000		5,598.000	
	275-6035	CEMENT TREAT (NEW BASE)(12")	SY	210,956.000		210,956.000	
	275-6080	CEMENT TREAT (SUBGRADE)(12")	SY	215,406.000		215,406.000	
	310-6009	PRIME COAT (MC-30)	GAL	42,192.000		42,192.000	
	354-6016	PLAN & TEXT CONC PAV(0" TO 1-1/2")	SY	544.000		544.000	
	354-6029	PLANE ASPH CONC PAV(0" TO 6")	SY	84,193.000		84,193.000	
	354-6043	PLANE ASPH CONC PAV (1")	SY	78,991.000		78,991.000	
	400-6005	CEM STABIL BKFL	CY	2,020.000		2,020.000	
	400-6006	CUT & RESTORING PAV	SY	442.000		442.000	
	400-6010	STRUCT EXCAV (SPECIAL)	CY	50.000		50.000	
	402-6001	TRENCH EXCAVATION PROTECTION	LF	574.000		574.000	
	403-6001	TEMPORARY SPL SHORING	SF	387.000		387.000	
	420-6012	CL B CONC (MISC)	CY	3.000		3.000	
	420-6066	CL C CONC (RAIL FOUNDATION)	CY	19.000		19.000	
	420-6136	CL C CONC (RAC-R)	CY	14.000		14.000	
	432-6001	RIPRAP (CONC)(4 IN)	CY	2,282.800		2,282.800	
	432-6031	RIPRAP (STONE PROTECTION)(12 IN)	CY	320.000		320.000	
	432-6033	RIPRAP (STONE PROTECTION)(18 IN)	CY	103.000		103.000	
	432-6045	RIPRAP (MOW STRIP)(4 IN)	CY	351.100		351.100	
	450-6078	RAIL (TY T224)	LF	364.000		364.000	
	462-6001	CONC BOX CULV (3 FT X 2 FT)	LF	178.000		178.000	
	462-6003	CONC BOX CULV (4 FT X 2 FT)	LF	1,203.000		1,203.000	



DISTRICT	COUNTY	CCSJ	SHEET
Pharr	Zapata	0038-05-040	15



CONTROLLING PROJECT ID 0038-05-040

DISTRICT Pharr
HIGHWAY US 83

COUNTY Zapata

Estimate & Quantity Sheet

CONTROL SECTION JOB				0038-05-040		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00121606			
COUNTY				Zapata			
HIGHWAY				US 83			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	462-6013	CONC BOX CULV (6 FT X 6 FT)	LF	364.000		364.000	
	462-6019	CONC BOX CULV (8 FT X 4 FT)	LF	130.000		130.000	
	462-6020	CONC BOX CULV (8 FT X 5 FT)	LF	158.000		158.000	
	462-6021	CONC BOX CULV (8 FT X 6 FT)	LF	134.000		134.000	
	462-6030	CONC BOX CULV (10 FT X 6 FT)	LF	260.000		260.000	
	462-6054	CONC BOX CULV (6 FT X 3 FT)(EXTEND)	LF	18.000		18.000	
	462-6063	CONC BOX CULV (8 FT X 4 FT)(EXTEND)	LF	58.000		58.000	
	462-6099	CONC BOX CULV (6 FT X 2 FT)	LF	253.000		253.000	
	464-6005	RC PIPE (CL III)(24 IN)	LF	3,866.000		3,866.000	
	464-6007	RC PIPE (CL III)(30 IN)	LF	112.000		112.000	
	464-6008	RC PIPE (CL III)(36 IN)	LF	67.000		67.000	
	464-6039	RC PIPE (CL III)(24 IN)(SPL)	LF	209.000		209.000	
	464-6040	RC PIPE (CL III)(30 IN)(SPL)	LF	101.000		101.000	
	464-6041	RC PIPE (CL III)(36 IN)(SPL)	LF	10.000		10.000	
	464-6048	RC PIPE (CL V)(30 IN)(SPL)	LF	83.000		83.000	
	464-6067	RC PIPE (CL V) (24 IN) (SPL)	LF	58.000		58.000	
	464-6068	RC PIPE (CL V) (36 IN) (SPL)	LF	95.000		95.000	
	465-6138	INLET (COMPL)(PSL)(FG)(5FTX6FT-4FTX4FT)	EA	1.000		1.000	
	465-6562	INL(CMP)(PAZD-CZ)(FG)(5FTX5FT-4FTX4FT)	EA	1.000		1.000	
	466-6097	HEADWALL (CH - PW - 0) (DIA= 24 IN)	EA	1.000		1.000	
	466-6101	HEADWALL (CH - PW - 0) (DIA= 36 IN)	EA	2.000		2.000	
	466-6166	WINGWALL (FW - S) (HW=5 FT)	EA	1.000		1.000	
	466-6167	WINGWALL (FW - S) (HW=6 FT)	EA	1.000		1.000	
	466-6169	WINGWALL (FW - S) (HW=8 FT)	EA	4.000		4.000	
	466-6178	WINGWALL (PW - 1) (HW=3 FT)	EA	4.000		4.000	
	466-6179	WINGWALL (PW - 1) (HW=4 FT)	EA	4.000		4.000	
	466-6180	WINGWALL (PW - 1) (HW=5 FT)	EA	2.000		2.000	
	466-6181	WINGWALL (PW - 1) (HW=6 FT)	EA	1.000		1.000	
	466-6182	WINGWALL (PW - 1) (HW=7 FT)	EA	4.000		4.000	
	466-6183	WINGWALL (PW - 1) (HW=8 FT)	EA	2.000		2.000	
	467-6109	SET (TY I)(S=3 FT)(HW= 3 FT)(6:1)(C)	EA	3.000		3.000	
	467-6139	SET (TY I)(S= 4 FT)(HW= 3 FT)(4:1) (C)	EA	3.000		3.000	
	467-6141	SET (TY I)(S= 4 FT)(HW= 3 FT)(6:1) (C)	EA	12.000		12.000	
	467-6142	SET (TY I)(S= 4 FT)(HW= 3 FT)(6:1) (P)	EA	10.000		10.000	
	467-6208	SET (TY I)(S= 6 FT)(HW= 3 FT)(6:1) (P)	EA	2.000		2.000	
	467-6212	SET (TY I)(S= 6 FT)(HW= 4 FT)(4:1) (C)	EA	2.000		2.000	
	467-6281	SET (TY I)(S= 8 FT)(HW= 6 FT)(6:1) (C)	EA	2.000		2.000	



DISTRICT	COUNTY	CCSJ	SHEET
Pharr	Zapata	0038-05-040	15A



CONTROLLING PROJECT ID 0038-05-040

DISTRICT Pharr
HIGHWAY US 83

COUNTY Zapata

Estimate & Quantity Sheet

CONTROL SECTION JOB				0038-05-040		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00121606			
COUNTY				Zapata			
HIGHWAY				US 83			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	467-6375	SET (TY II) (24 IN) (CMP) (3: 1) (C)	EA	1.000		1.000	
	467-6384	SET (TY II) (24 IN) (HDPE) (6: 1) (P)	EA	1.000		1.000	
	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	EA	1.000		1.000	
	467-6394	SET (TY II) (24 IN) (RCP) (6: 1) (C)	EA	4.000		4.000	
	467-6395	SET (TY II) (24 IN) (RCP) (6: 1) (P)	EA	170.000		170.000	
	467-6422	SET (TY II) (30 IN) (RCP) (6: 1) (C)	EA	6.000		6.000	
	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	EA	4.000		4.000	
	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	EA	1.000		1.000	
	467-6453	SET (TY II) (36 IN) (RCP) (6: 1) (C)	EA	3.000		3.000	
	467-6454	SET (TY II) (36 IN) (RCP) (6: 1) (P)	EA	2.000		2.000	
	480-6001	CLEAN EXIST CULVERTS	EA	19.000		19.000	
	496-6004	REMOV STR (SET)	EA	255.000		255.000	
	496-6005	REMOV STR (WINGWALL)	EA	6.000		6.000	
	496-6006	REMOV STR (HEADWALL)	EA	6.000		6.000	
	496-6007	REMOV STR (PIPE)	LF	7,201.000		7,201.000	
	496-6008	REMOV STR (BOX CULVERT)	LF	66.000		66.000	
	500-6001	MOBILIZATION	LS	1.000		1.000	
	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	45.000		45.000	
	506-6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	3,392.000		3,392.000	
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	3,392.000		3,392.000	
	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	1,482.000		1,482.000	
	506-6021	CONSTRUCTION EXITS (INSTALL) (TY 2)	SY	78.000		78.000	
	506-6024	CONSTRUCTION EXITS (REMOVE)	SY	1,560.000		1,560.000	
	506-6034	CONSTRUCTION PERIMETER FENCE	LF	1,089.000		1,089.000	
	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	21,461.000		21,461.000	
	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	21,461.000		21,461.000	
	506-6041	BIODEG EROSN CONT LOGS (INSTL) (12")	LF	60.000		60.000	
	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	60.000		60.000	
	508-6001	CONSTRUCTING DETOURS	SY	2,475.000		2,475.000	
	512-6005	PORT CTB (FUR & INST)(F-SHAPE)(TY 1)	LF	14,520.000		14,520.000	
	512-6029	PORT CTB (MOVE)(F-SHAPE)(TY 1)	LF	40,200.000		40,200.000	
	512-6041	PORT CTB (STKPL)(F-SHAPE)(TY 1)	LF	4,950.000		4,950.000	
	512-6053	PORT CTB (REMOVE)(F-SHAPE)(TY 1)	LF	14,520.000		14,520.000	
	530-6005	DRIVEWAYS (ACP)	SY	8,466.000		8,466.000	
	533-6001	RUMBLE STRIPS (SHOULDER)	LF	83,360.000		83,360.000	
	540-6001	MTL W-BEAM GD FEN (TIM POST)	LF	8,415.000		8,415.000	
	540-6006	MTL BEAM GD FEN TRANS (THRIE-BEAM)	EA	8.000		8.000	



DISTRICT	COUNTY	CCSJ	SHEET
Pharr	Zapata	0038-05-040	15B



CONTROLLING PROJECT ID 0038-05-040

DISTRICT Pharr
HIGHWAY US 83

COUNTY Zapata

Estimate & Quantity Sheet

CONTROL SECTION JOB				0038-05-040		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00121606			
COUNTY				Zapata			
HIGHWAY				US 83			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	EA	42.000		42.000	
	540-6021	MTL THRIE-BEAM GD FEN (TIM POST)	EA	7.000		7.000	
	542-6001	REMOVE METAL BEAM GUARD FENCE	LF	3,280.000		3,280.000	
	542-6002	REMOVE TERMINAL ANCHOR SECTION	EA	5.000		5.000	
	542-6004	RM MTL BM GD FENCE TRANS (THRIE-BEAM)	EA	8.000		8.000	
	544-6001	GUARDRAIL END TREATMENT (INSTALL)	EA	41.000		41.000	
	544-6003	GUARDRAIL END TREATMENT (REMOVE)	EA	20.000		20.000	
	545-6003	CRASH CUSH ATTEN (MOVE & RESET)	EA	43.000		43.000	
	545-6004	CRASH CUSH ATTEN (STKPL)	EA	2.000		2.000	
	545-6005	CRASH CUSH ATTEN (REMOVE)	EA	21.000		21.000	
	545-6008	CRASH CUSH ATTEN (INSTL)(L)(N)(70)	EA	22.000		22.000	
	550-6008	CHAIN LINK FENCE (INSTALL) (8')	LF	1,727.000		1,727.000	
	644-6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	47.000		47.000	
	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	18.000		18.000	
	644-6030	IN SM RD SN SUP&AM TYS80(1)SA(T)	EA	14.000		14.000	
	644-6076	REMOVE SM RD SN SUP&AM	EA	19.000		19.000	
	658-6060	REMOVE DELIN & OBJECT MARKER ASSMS	EA	53.000		53.000	
	658-6080	INSTL DEL ASSM (D-SW)SZ 1(WFLX)GND	EA	177.000		177.000	
	658-6099	INSTL OM ASSM (OM-2Z)(WFLX)GND	EA	216.000		216.000	
	662-6050	WK ZN PAV MRK REMOV (REFL) TY II-A-A	EA	1,618.000		1,618.000	
	662-6060	WK ZN PAV MRK REMOV (W)4"(BRK)	LF	90.000		90.000	
	662-6063	WK ZN PAV MRK REMOV (W)4"(SLD)	LF	96,351.000		96,351.000	
	662-6093	WK ZN PAV MRK REMOV (Y)4"(BRK)	LF	40.000		40.000	
	662-6095	WK ZN PAV MRK REMOV (Y)4"(SLD)	LF	103,467.000		103,467.000	
	662-6109	WK ZN PAV MRK SHT TERM (TAB)TY W	EA	872.000		872.000	
	662-6110	WK ZN PAV MRK SHT TERM (TAB)TY Y	EA	590.000		590.000	
	662-6111	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	282.000		282.000	
	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF	11,119.000		11,119.000	
	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	295.000		295.000	
	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	EA	48.000		48.000	
	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	EA	48.000		48.000	
	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	LF	17,440.000		17,440.000	
	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	LF	47,200.000		47,200.000	
	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	LF	48,038.000		48,038.000	
	666-6342	REF PROF PAV MRK TY I(W)4"(SLD)(100MIL)	LF	22,560.000		22,560.000	
	666-6344	REF PROF PAV MRK TY I(Y)4"(BRK)(100MIL)	LF	5,660.000		5,660.000	
	666-6345	REF PROF PAV MRK TY I(Y)4"(SLD)(100MIL)	LF	22,560.000		22,560.000	



DISTRICT	COUNTY	CCSJ	SHEET
Pharr	Zapata	0038-05-040	15C



Estimate & Quantity Sheet

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DISTRICT Pharr
HIGHWAY US 83

COUNTY Zapata

CONTROL SECTION JOB				0038-05-040		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00121606			
COUNTY				Zapata			
HIGHWAY				US 83			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	672-6007	REFL PAV MRKR TY I-C	EA	906.000		906.000	
	672-6009	REFL PAV MRKR TY II-A-A	EA	614.000		614.000	
	672-6010	REFL PAV MRKR TY II-C-R	EA	350.000		350.000	
	677-6001	ELIM EXT PAV MRK & MRKS (4")	LF	40,320.000		40,320.000	
	3076-6002	D-GR HMA TY-B SAC-B PG64-22	TON	13,931.000		13,931.000	
	3077-6010	SP MIXESSP-BSAC-B PG76-22	TON	34,640.000		34,640.000	
	3077-6065	SP MIXESSP-DSAC-A PG76-22	TON	43,586.000		43,586.000	
	3084-6001	BONDING COURSE	GAL	33,855.000		33,855.000	
	4122-6010	THERMOPLASTIC PIPE(24 IN)(PP)(TYPE III)	LF	174.000		174.000	
	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	SY	215,406.000		215,406.000	
	5088-6001	BIRD EXCLUSION METHOD	SF	16,808.000		16,808.000	
	6001-6002	PORTABLE CHANGEABLE MESSAGE SIGN	EA	4.000		4.000	
	6185-6002	TMA (STATIONARY)	DAY	32.000		32.000	
	18	SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS	1.000		1.000	
		LAW ENFORCEMENT: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS	1.000		1.000	
		EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (PART)	LS	1.000		1.000	

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GENERAL NOTES AND SPECIFICATIONS DATA:

USE A POWER-BROOM WHEN CLEANING THE ROADWAY AS NEEDED.

REMOVE & DISPOSE ALL MATERIAL NOT DEEMED SALVAGEABLE BY THE ENGINEER, UNLESS OTHERWISE SHOWN ON THE PLANS.

ON EXISTING PAVEMENT THAT WILL REMAIN IN PLACE, SAND BLAST OR SURFACE TREAT IN ORDER TO REMOVE EXISTING STRIPING. REFER TO SUMMARY OF TCP QTY FOR APPLICABLE PAY ITEMS

DO NOT BLOCK DRAINAGE WHEN HANDLING & STOCKPILING EXCAVATED MATERIAL.

MAINTAIN ACCESS TO DRIVEWAYS AND INTERSECTIONS THROUGH ALL PHASES OF CONSTRUCTION.

MAINTAIN POSITIVE DRAINAGE DURING ALL PHASES OF CONSTRUCTION.

ALWAYS COMPLETE THE PROPOSED DRIVEWAYS DURING THEIR TCP PHASE BEFORE SWITCHING TRAFFIC TO A NEW PHASE UNLESS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES:

AT THE COMMENCEMENT OF THE PROJECT, ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCEPTABLE CONDITION, AND MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AS PER GUIDELINES FOR TEMPORARY TRAFFIC CONTROL DEVICES AND FEATURES.

NOTIFY THE AREA ENGINEER(AE) IN WRITING(E-MAIL IS ACCEPTABLE) ONCE THE TRAFFIC CONTROL PLAN(TCP) AND ALL TRAFFIC CONTROL DEVICES HAVE BEEN INSTALLED AS PER PLANS ON THE PROJECT SO THAT THE DEPARTMENT'S RESPONSIBLE PERSON ACCOMPANIED BY THE CONTRACTOR'S RESPONSIBLE PERSON CAN CONDUCT A NIGHT INSPECTION ON THE SAID TCP AND TRAFFIC CONTROL DEVICES. COMMENCEMENT OF WORK WILL NOT BE AUTHORIZED NOR ALLOWED UNTIL THE AE NOTIFIES THE CONTRACTOR IN WRITING (E-MAIL IS ACCEPTABLE) TO PROCEED WITH THE WORK.

CONTRACTOR SHALL HAVE A SUFFICIENT AMOUNT OF TRAFFIC CONTROL DEVICES IN ACCEPTABLE CONDITION TO REPLACE ANY DAMAGED TRAFFIC CONTROL DEVICE WITHIN 24 HOURS OF NOTIFICATION.

PROVIDE ADDITIONAL SIGNS AND BARRICADES AS NECESSARY TO ADDRESS FIELD CONSTRUCTIBILITY & VISIBILITY. THESE ADDITIONAL SIGNS WILL BE CONSIDERED SUBSIDIARY TO ITEM 502.

REMOVE OR COMPLETELY COVER ALL EXISTING SIGNS WHICH ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLAN. ITEM SUBSIDIARY TO THE VARIOUS BID ITEMS

ADJUST STOP SIGNS AS NEEDED ON INTERSECTING STREETS DURING THE VARIOUS CONSTRUCTION PHASES. DO NOT REMOVE ANY EXISTING STOP SIGNS UNTIL TEMPORARY SIGNS ARE IN PLACE. ITEM SUBSIDIARY TO THE VARIOUS BID ITEMS

COORDINATE THE TRAFFIC CONTROL PLAN AND THE VARIOUS SEQUENCES OF CONSTRUCTION WITH ADJACENT CONSTRUCTION PROJECTS IF APPLICABLE, TO ENSURE THE UNINTERRUPTED AND SAFE FLOW OF TRAFFIC.

NOTIFY THE ENGINEER IN WRITING WHEN MAJOR TRAFFIC CHANGES ARE TO BE MADE. NOTIFICATIONS MUST BE GIVEN A MINIMUM OF THREE WORKING DAYS PRIOR TO THE CHANGE.

ALL WORK ZONE PAVEMENT MARKINGS FOR THIS PROJECT SHALL BE 0.100 INCHES (100 MIL) THICK THERMOPLASTIC.

SAFETY:

PROTECT EXPOSED PITS THAT MUST REMAIN OPEN DURING NON-WORKING HOURS AS PER OSHA REQUIREMENTS.

PROJECT SPECIFIC NOTES:

THE SUBGRADE SHALL BE SHAPED, BLADED, ROLLED AND PROOF ROLLED A MINIMUM OF 24" BEYOND THE EDGE OF THE PROPOSED BASE COURSE.

PROOF ROLLING WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO VARIOUS ITEMS.

USE 1% LIME ON PROPOSED FLEXBASE MATERIAL FOR DETOUR WIDENING.

ALL GRADING SHALL BE WITHIN THE R.O.W. LIMITS

ANY DAMAGE TO EXISTING CROSSING CULVERTS OR IRRIGATION CROSSINGS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

A 3:1 MAX SLOPE SHALL BE PROVIDED AT THE END OF EACH WORKING DAY ON ALL EXPOSED EDGES OF ROADWAY CONSTRUCTION OR EXCAVATION.

THE PORTION OF THIS PROJECT WHICH COINCIDES WITH EXISTING ROADS AND/OR PRIVATE DRIVES SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES.

DUE TO THE PHYSICAL CONSTRAINTS OF THIS PROJECT WHICH HAVE AN AFFECT ON LOCAL DRIVERS ATTEMPTING TO EXIT ONTO THE TCP TRAFFIC LANES REALIGNMENT, ONLY TYPE "F" SAFETY SHAPE PORTABLE CONCRETE TRAFFIC BARRIERS SHALL BE SET UP THROUGHOUT THE PROJECT TO PROVIDE ADEQUATE SIGHT DISTANCE AVAILABILITY TO SEE ONCOMING TRAFFIC OVER THE PORTABLE CONCRETE TRAFFIC BARRIERS WHEN AN EXITING VEHICLE IS STOPPED WITHIN THE PROVIDED DRIVEWAY OPENINGS AT ALL PHASES OF THIS PROJECT TCP SET-UPS.

THE CONTRACTOR SHALL PROVIDE A TEMPORARY ACP RAMP-UP WHEN TRANSITIONING FROM PREVIOUSLY CONSTRUCTED PHASES INTO EXISTING PAVEMENT OR VICE-VERSA. NO PAY ITEM FOR THIS WORK. WORK SUBSIDIARY TO THE VARIOUS BID ITEMS.

THE CONTRACTOR SHALL NOT START WORK IN AREAS WHERE CONFLICTS HAVE NOT BEEN CLEARED. THE CONTRACTOR SHALL COORDINATE WITH THE FIELD ENGINEER FOR START OF WORK IN THESE AREAS.

UTILITY RESTRICTIONS:

1. AS PER SPECIAL PROVISION 000 FOR CSJ: 0038-05-040 THE PROJECT HAS UNCLEAR UTILITY RELOCATIONS.
2. THE CONTRACTOR WILL NEED TO COORDINATE ACCESS AND TCP TO ALLOW THE UTILITY COMPANIES TO COMPLETE RELOCATIONS.
3. THE CONTRACTOR IS RESTRICTED WORKING IN LOCATIONS AFFECTED BY RELOCATIONS UNTIL THE UTILITY RELOCATIONS ARE COMPLETED.

TRAFFIC CONTROL
PLAN NOTES
SHEET 1 OF 1 SHEETS

1 REVISED 04/26/23



04/26/2023

JOSE A. SANCHEZ, P. E. DATE



US 83 ZAPATA
TRAFFIC CONTROL PLAN
GENERAL NOTES

SHEET 01 OF 01

FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.			
6				
DN:	CONT	SECT	JOB	HIGHWAY
CK DN:	0038	05	040	US 83
DW:	DIST		COUNTY	SHEET NO.
CK DW:	PHR		ZAPATA	41
TR:				
CK TR:				

Sheep Frog (*Hypopachus variolosus*)

- Minimize disturbance to burrows or downed woody debris.
- Water Quality BMPs.
- Amphibian BMPs.

South Texas Siren (Large Form) (*Siren sp 1*)

- Minimize impacts to warm, shallow waters with vegetative cover such as ponds and ditches.
- Water Quality BMPs.
- Amphibian BMPs.

Freshwater Mussel BMPs (Required)

- When work is in the water; survey project footprints for state listed species where appropriate habitat exists.
- When work is in the water and mussels are discovered during surveys; relocate state listed and SGCN mussels under TPWD authorization and implement Water Quality BMPs.
- When work is adjacent to the water; Water Quality BMPs implemented as part of the SWPPP for a construction general permit or any conditions of the Section 401 water quality certification for the project will be implemented.

Fish BMPs (Required)

- For projects within the range of a SGCN or State-Listed fish and work is adjacent to water: Use Water Quality BMPs. No TPWD Coordination required.
- For projects within the range of a SGCN or State-Listed fish, and work is in the water: TPWD coordination is required.

Water Quality BMPs (Required)

In addition to BMPs required for a TCEQ Storm Water Pollution Prevention Plan and/or Section 401 water quality permit:

- Minimize the use of equipment in streams and riparian areas during construction. When possible, equipment access should be from banks, bridge decks, or barges.
- When temporary stream crossings are unavoidable, remove stream crossings once they are no longer needed and stabilize banks and soils around the crossing.

Additional Water Quality BMPs (Recommendations)

- Wet-Bottomed detention ponds are recommended to benefit wildlife and downstream water quality. Consider potential wildlife-vehicle interactions when siting detention ponds.
- Rubbish found near bridges on TxDOT ROW should be removed and disposed of properly to minimize the risk of pollution. Rubbish does not include brush piles or snags.

Aquatic Mitigation (Recommendations)

- In-kind compensatory mitigation should be considered for all unavoidable impacts to aquatic resources including, but not limited to streams, wetlands, oysters, seagrass and mudflats, regardless of their jurisdictional status.
- Compensatory mitigation plans should be developed in consultation with TPWD Transportation Conservation Coordinator.

Stream Crossings (Recommendations)

- Use spanning bridges rather than culverts when feasible.
- If using a culvert, staggered culverts that concentrate low flows but provide conveyance of higher flows through staggered culverts placed at higher elevations is recommended.
- Bottomless culverts are recommended to allow for fish and other aquatic wildlife passage in the low flow channel. If bottomless culverts are not feasible, making a low flow channel for fish passage is recommended.
- Avoid placing riprap across stream channels and instead use alternative stabilization such as biotechnical stream bank stabilization methods including live native vegetation or a combination of vegetative and structural materials. When riprap or other bank stabilization devices are necessary, their placement should not impede the movement of aquatic and terrestrial wildlife underneath the bridge. In some instances, riprap may be buried, back-filled with topsoil and planted with native vegetation.
- Incorporate bat-friendly design into bridges and culverts.
- Design bridges for adequate vertical and horizontal clearances under the roadway to allow for terrestrial wildlife to safely pass under the road.
- A span wide enough to cross the stream and allow for dry ground and a natural surface path under the roadway is encouraged. For culverts, incorporation of an artificial ledge inside the culvert on one or both sides for use by terrestrial wildlife is recommended.
- Riparian buffer zones should remain undisturbed where possible.

Vegetation BMPs (Recommendations)

- Minimize the amount of vegetation cleared. Removal of native vegetation, particularly mature native trees and shrubs should be avoided to the greatest extent practicable. Wherever practicable, impacted vegetation should be replaced with in-kind on-site replacement/restoration of native vegetation.
- To minimize adverse effects, activities should be planned to preserve mature trees, particularly acorn, nut or berry producing varieties. These types of vegetation have high value to wildlife as food and cover.
- It is strongly recommended that trees greater than 12 inches in diameter at breast height (dbh) that are removed be replaced. TPWD's experience indicates that for ecologically effective replacement, a ratio of three trees for every one (3:1) lost should be provided to the extent practicable either on-site or off-site. Trees less than 12 inches dbh should be replaced at a 1:1 ratio.
- Replacement trees should be of equal or better wildlife quality than those removed and be regionally adapted native species.
- When trees are planted, a maintenance plan that ensures at least an 85 percent survival rate after three (3) years should be developed for the replacement trees.
- The use of any non-native vegetation in landscaping and revegetation is discouraged. Locally adapted native species should be used.
- The use of seed mix that contains seeds from only locally adapted native species is recommended.
- Avoid vegetation clearing activities during the general bird nesting season, March through August, to minimize adverse impacts to birds.

Invasive Species BMPs (Recommendations)

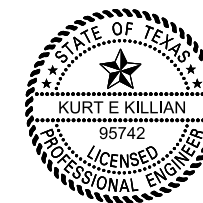
- For all work in waters listed in the distribution of Zebra mussels on <http://texasinvasives.org/> as well as those waters specified in 31 TAC §57.972 and any TPWD emergency orders regarding prevention of the spread of Zebra mussels all machinery, equipment, or vehicles coming in contact with such waters should follow clean/drain/dry protocols to prevent the potential spread of invasive Zebra mussels.
- Care should be taken to avoid the spread of aquatic invasive plants (such as Giant Salvinia, Hydrilla, Hyacinth, Watermilfoil, Water Lettuce, and Alligatorweed) from infested water bodies into areas not currently infested. All machinery/equipment/vehicles coming in contact with waters containing aquatic invasive plant species should follow clean/drain/dry protocols to prevent the potential spread of invasive plants.
- Colonization by invasive plants should be actively prevented on disturbed sites in terrestrial habitats. Vegetation management should include removing invasive species as soon as practical while allowing the existing native plants to revegetate the disturbed areas. If using hay bales for sediment control, use locally grown weed-free hay to prevent the spread of invasive species. Leave the hay bales in place and allow them to break down, as this acts as mulch assisting in revegetation.

Wildlife Crossings (Recommendations)

- Design roadways on new location to incorporate wildlife crossings, particularly in areas that bisect wildlife travel corridors or seasonal movement routes.
- Consider using cable median barrier instead of concrete traffic barrier when feasible to increase permeability for animals encountering barriers.

Additional TPWD BMPs To Be Implemented

- The Amphibian BMPs are to be implemented for the Mexican burrowing toad, sheep frog and south Texas siren.
- The Bat BMPs are to be implemented for the cave myotis, Southern yellow bat, eastern red bat, and Mexican free-tailed bat.
- The plains spotted skunk BMP is to be implemented for the plains spotted skunk, white-nose coati, American badger, Davis pocket gopher, and long-tailed weasel.
- The Terrestrial Reptile BMPs are to be implemented for the Texas horned lizard, Texas tortoise, slender glass lizard, southern spot-tailed earless lizard, western box turtle, western hognose snake, Texas indigo snake, and reticulate collared lizard.



Kurt E Killian

3/30/2023

Pharr District Contact No. 956-702-6100

Revised 07/12/2017

1 REVISED 04/26/23

Texas Department of Transportation
PHARR DISTRICT

EPIC SHEET SUPPLEMENTALS
TPWD BMPs

SHEET 3 OF 3

FED. RD. DIV. NO.	PROJECT NO.			HIGHWAY NO.
6				US 83
STATE	DISTRICT	COUNTY		SHEET NO.
TEXAS	PHR	ZAPATA		
CONTROL	SECTION	JOB		413
0038	05	040		

List of Abbreviations

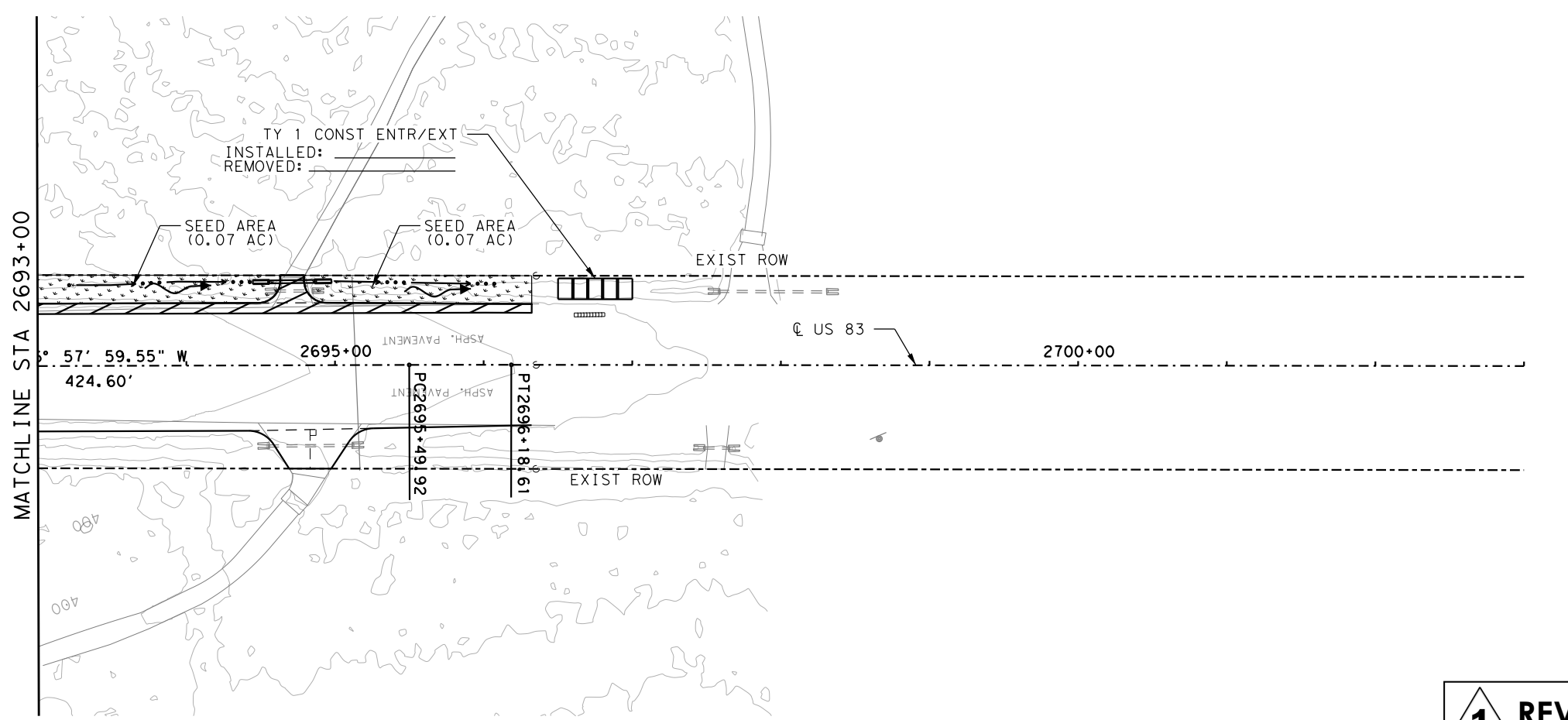
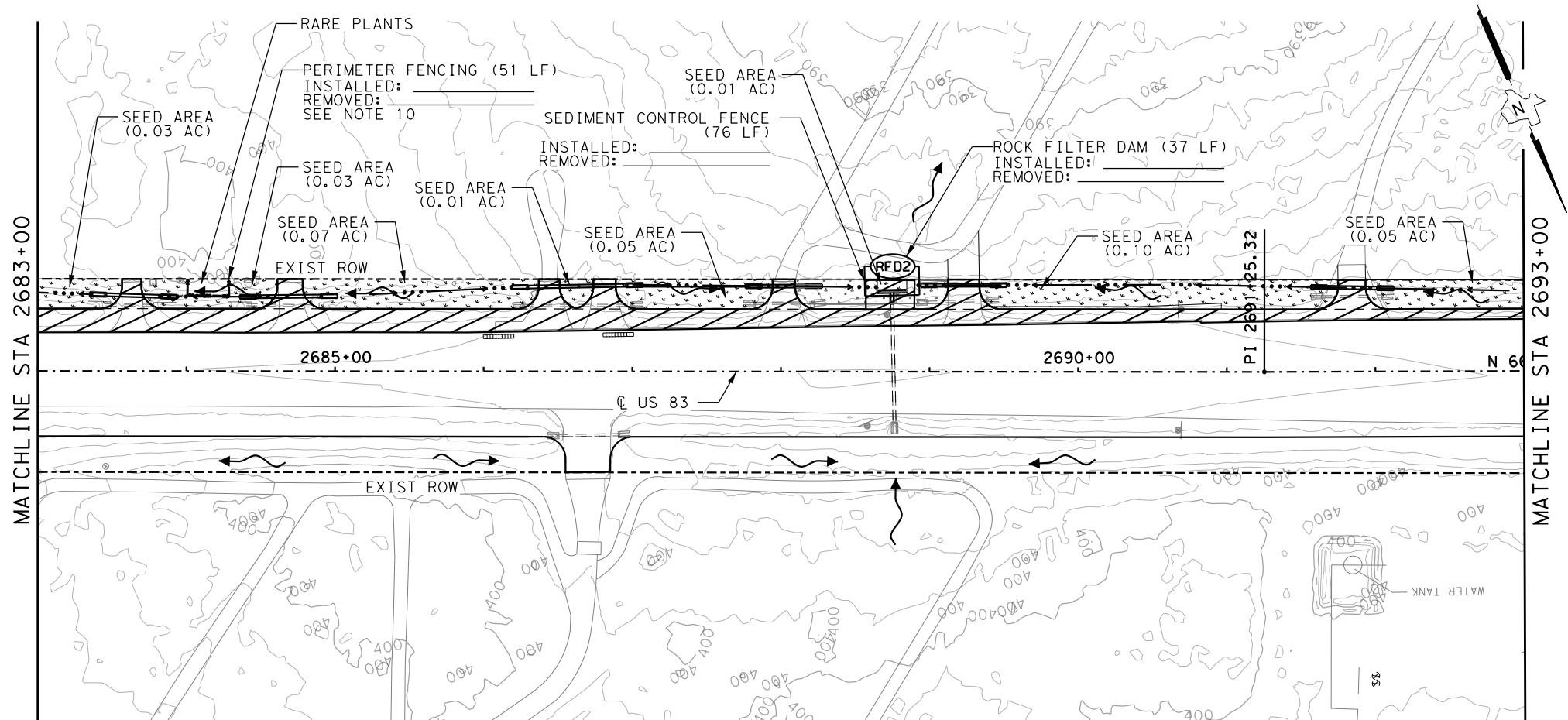
BMP: Best Management Practice
CGP: Construction General Permit
CRPe: Contractor Responsible Person Environmental
DSHS: Texas Department of State Health Services
FEMA: Federal Emergency Management Agency
FHWA: Federal Highway Administration
MOA: Memorandum of Agreement
MOU: Memorandum of Understanding
MS4: Municipal Separate Stormwater Sewer System

MSAT: Mobile Source Air Toxic
MBTA: Migratory Bird Treaty Act
NOI: Notice of Intent
NOT: Notice of Termination
NWP: Nationwide Permit
PCN: Pre-Construction Notification
PSL: Project Specific Location
SPCC: Spill Prevention Control and Countermeasure
SW3P: Storm Water Pollution Prevention Plan

TCEQ: Texas Commission on Environmental Quality
THC: Texas Historical Commission
TPDES: Texas Pollutant Discharge Elimination System
TPWD: Texas Parks and Wildlife Department
TxDOT: Texas Department of Transportation
T&E: Threatened and Endangered Species
USACE: U.S. Army Corp of Engineers
USFWS: U.S. Fish and Wildlife Service

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LEGEND:

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	ROCK FILTER DAM TYPE 2		DESIGNATED WETLAND
	FLOW DIRECTION		WATERS OF THE US
	TYPE 1 CONST ENT/EXIT		TEMPORARY PAVEMENT
	TYPE 2 CONST ENT/EXIT		PREVIOUSLY CONSTRUCTED PAVEMENT
	PERIMETER FENCE		PAVEMENT REMOVAL
	PROPOSED SEEDING		WORKZONE
	EROSION CONTROL LOG		PREV EROSION CNT LOG
	PREV SEDMNT CNT FNC		PREV TY 1 CONST ENT/EXIT
	PREV RCK FLT DAM TY 2		PREV TY 2 CONST ENT/EXIT
	PREV PERIMETER FENCE		

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3/30/2023



Texas Department of Transportation

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CSE CIVIL SYSTEMS ENGINEERING, INC.
 TPBE REGISTRATION NO. F-5246

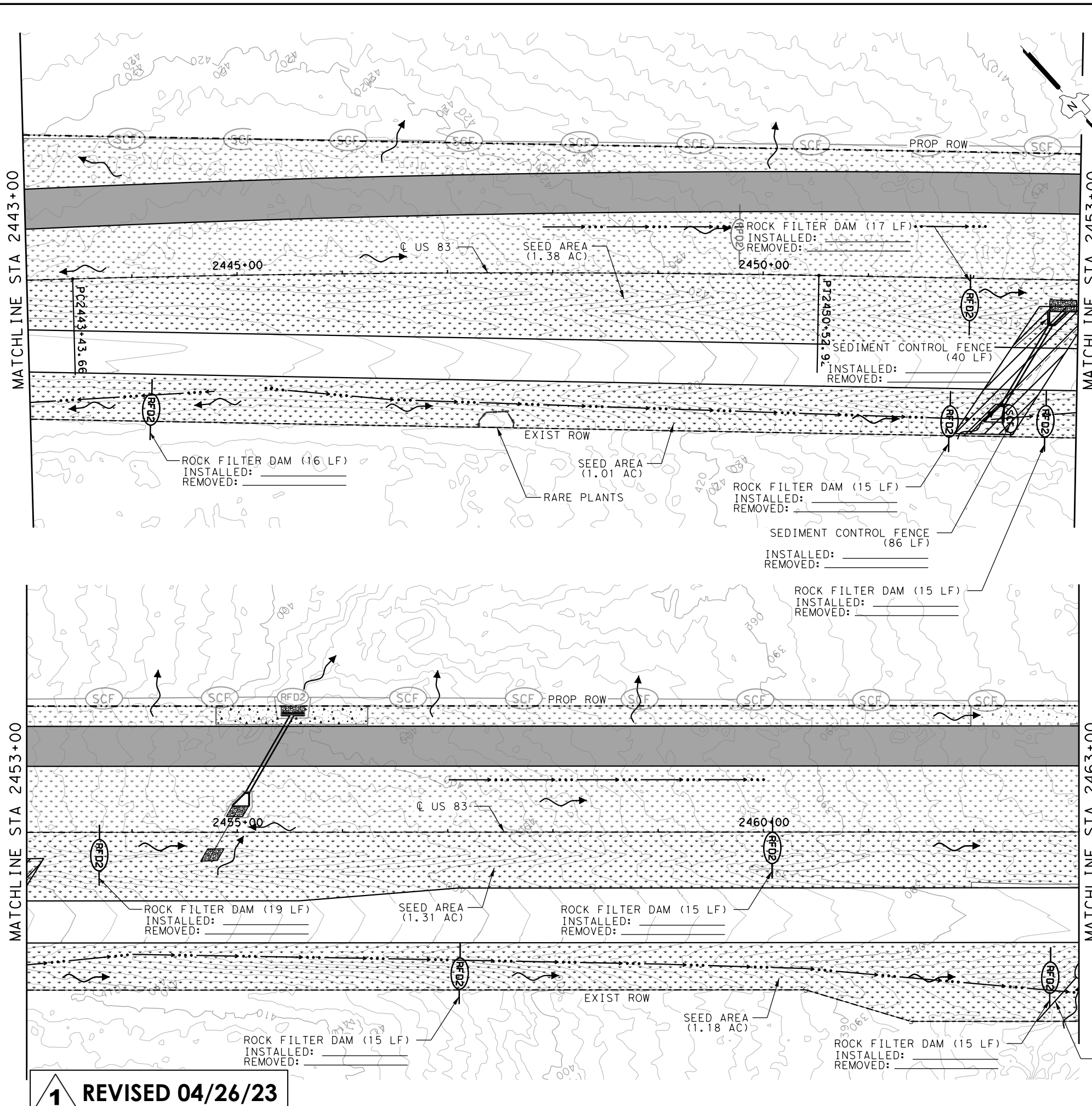
US 83 ZAPATA
 SW3P LAYOUT
 PHASE 1
 STA. 2683+00 TO STA. 2703+00

SHEET 18 OF 18

1 REVISED 04/26/23

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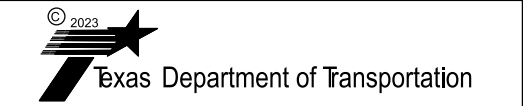
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	FLOW DIRECTION		WATERS OF THE US
	TYPE 1 CONST ENT/EXIT		TEMPORARY PAVEMENT
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3/30/2023
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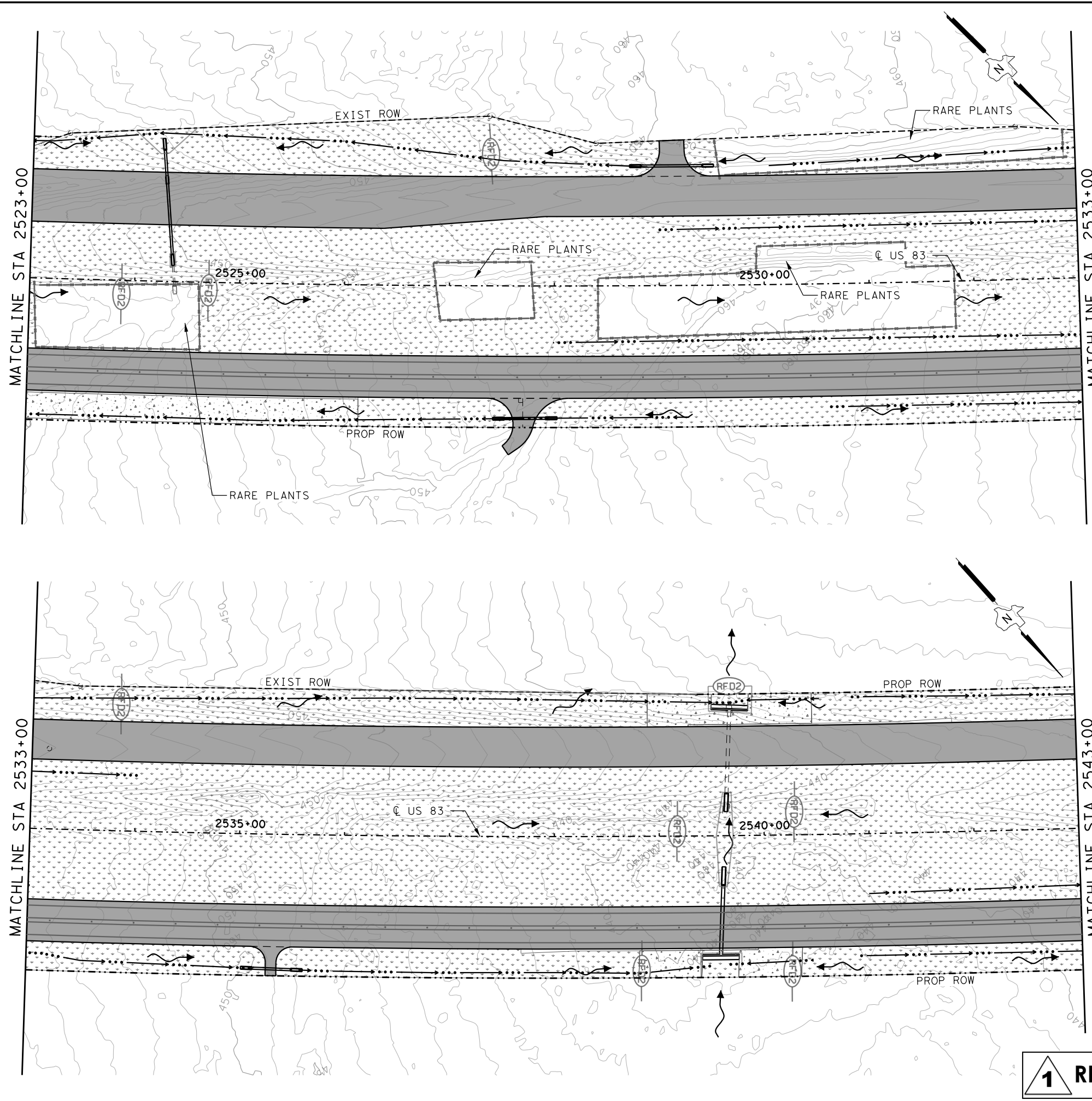
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 TPBE REGISTRATION NO. F-5246

US 83 ZAPATA
 SW3P LAYOUT
 PHASE 2
 STA. 2443+00 TO STA. 2463+00

SHEET 6 OF 18			
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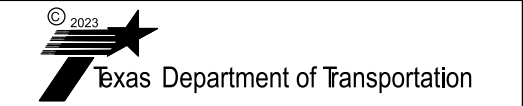
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FLOW DIRECTION		WATERS OF THE US
TYPE 1 CONST ENT/EXIT		TEMPORARY PAVEMENT
TYPE 2 CONST ENT/EXIT		PREVIOUSLY CONSTRUCTED PAVEMENT
PERIMETER FENCE		PAVEMENT REMOVAL
PROPOSED SEEDING		WORKZONE
EROSION CONTROL LOG		PREV EROSION CNT LOG
PREV SEDMNT CNT FNC		PREV TY 1 CONST ENT/EXIT
PREV RCK FLT DAM TY 2		PREV TY 2 CONST ENT/EXIT
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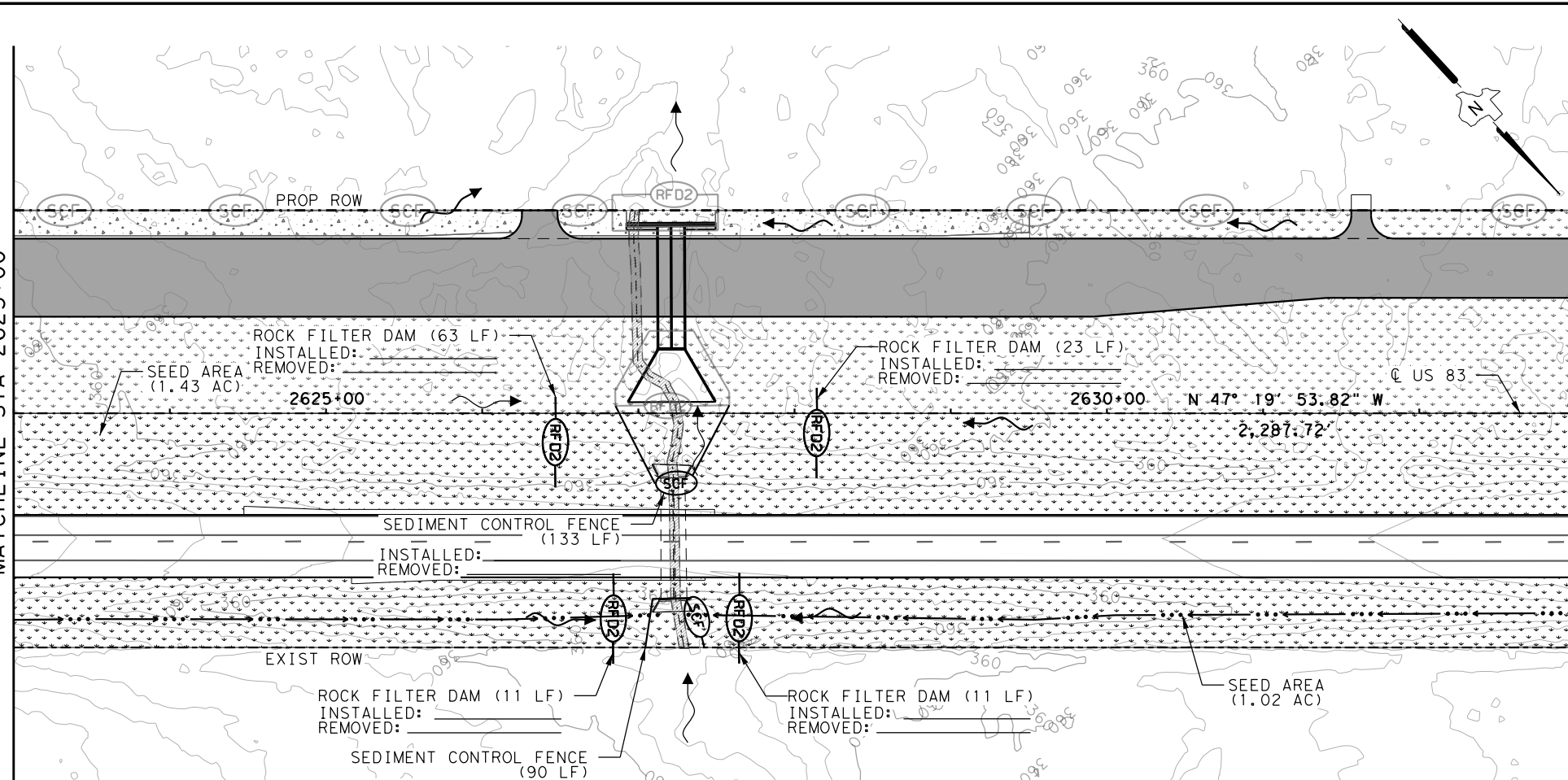
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 SW3P LAYOUT
 PHASE 2
 STA. 2523+00 TO STA. 2343+00

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SHEET 10 OF 18			
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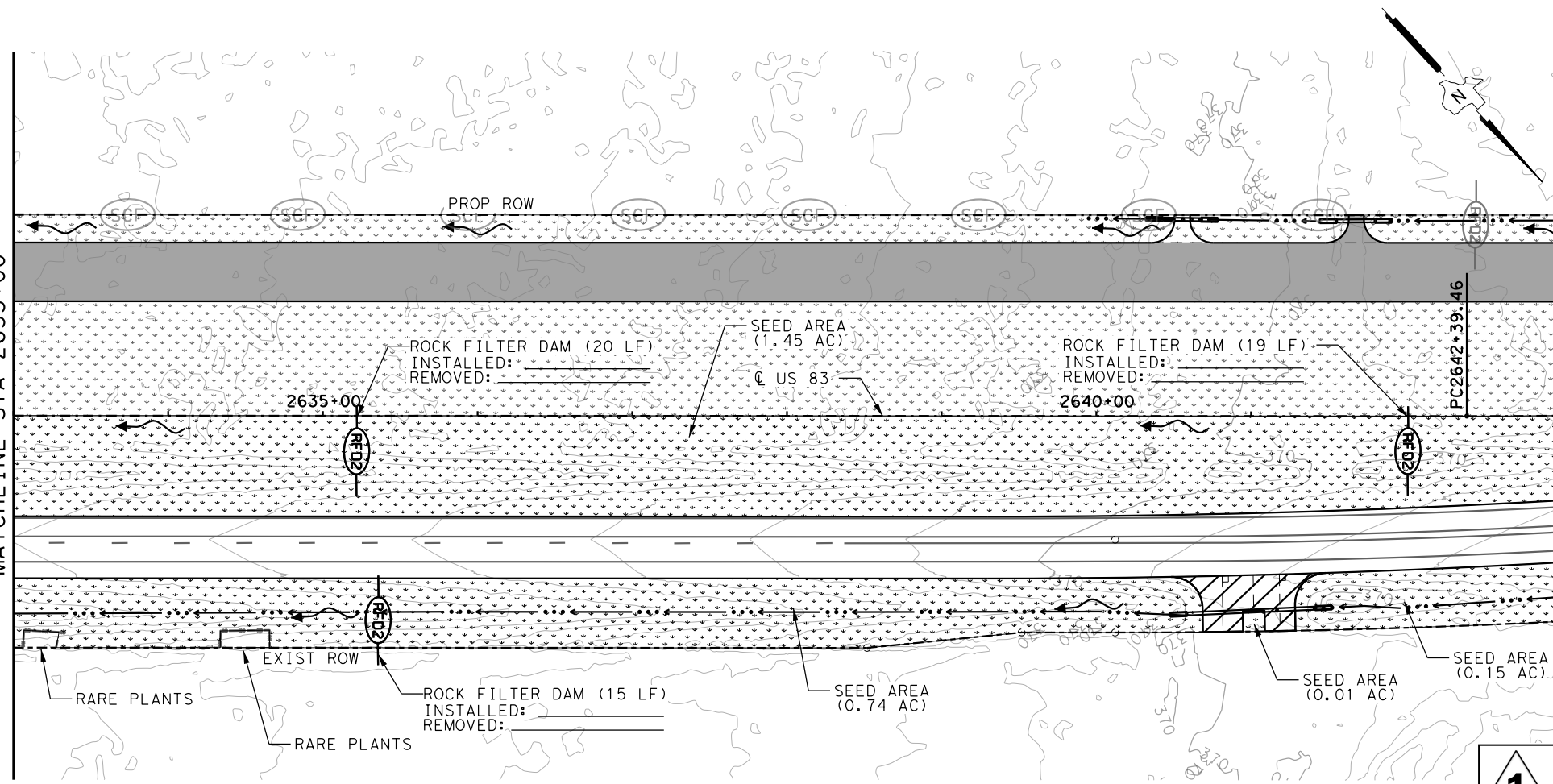
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MATCHLINE STA 2633+00

MATCHLINE STA 2633+00



MATCHLINE STA 2643+00

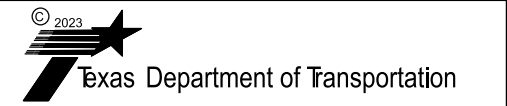
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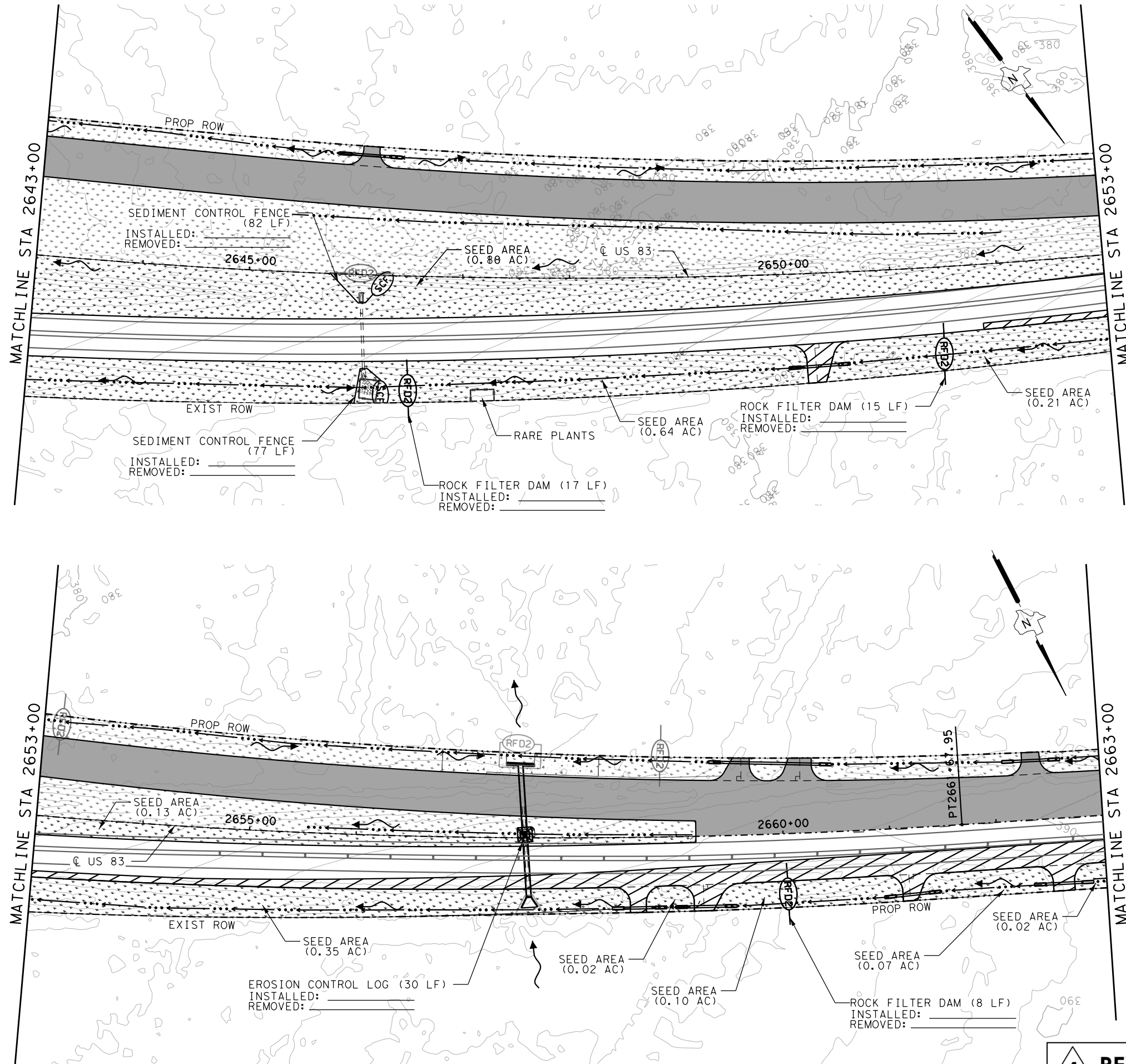
US 83 ZAPATA
 SW3P LAYOUT
 PHASE 2
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SHEET 15 OF 18

1 REVISED 04/26/23

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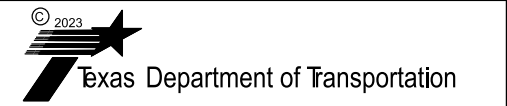
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	FLOW DIRECTION		WATERS OF THE US
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	PERIMETER FENCE		PAVEMENT REMOVAL
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	EROSION CONTROL LOG		PREV EROSION CNT LOG
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 - EROSION CONTROL DEVICES MAY BE MODIFIED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
 - RARE PLANT PROTECTION FENCING TO BE PLACED AS DIRECTED IN FIELD.



3/30/2023



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 1201 Interstate Highway 2
 Mission, Texas 78572
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CSE CIVIL SYSTEMS ENGINEERING, INC.
 TPBE REGISTRATION NO. F-5246

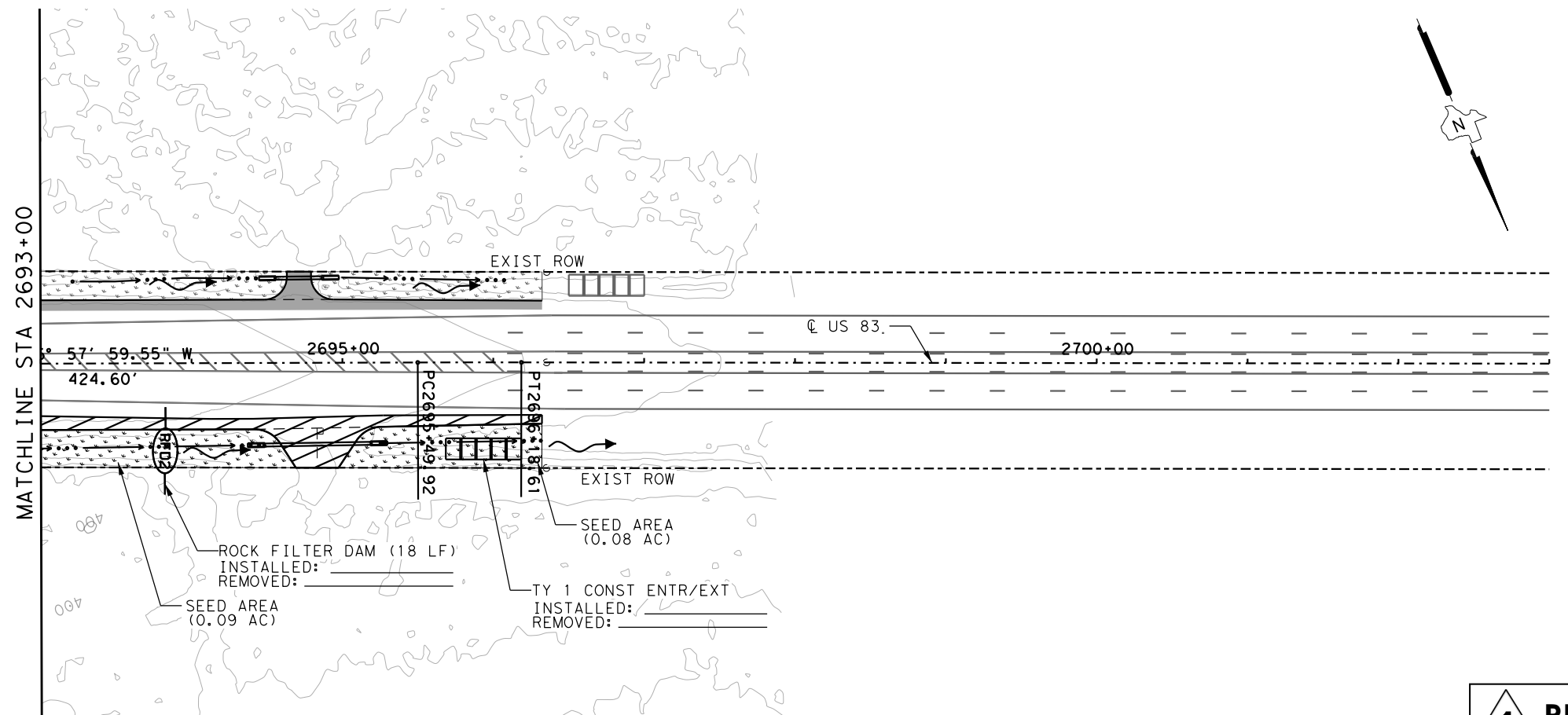
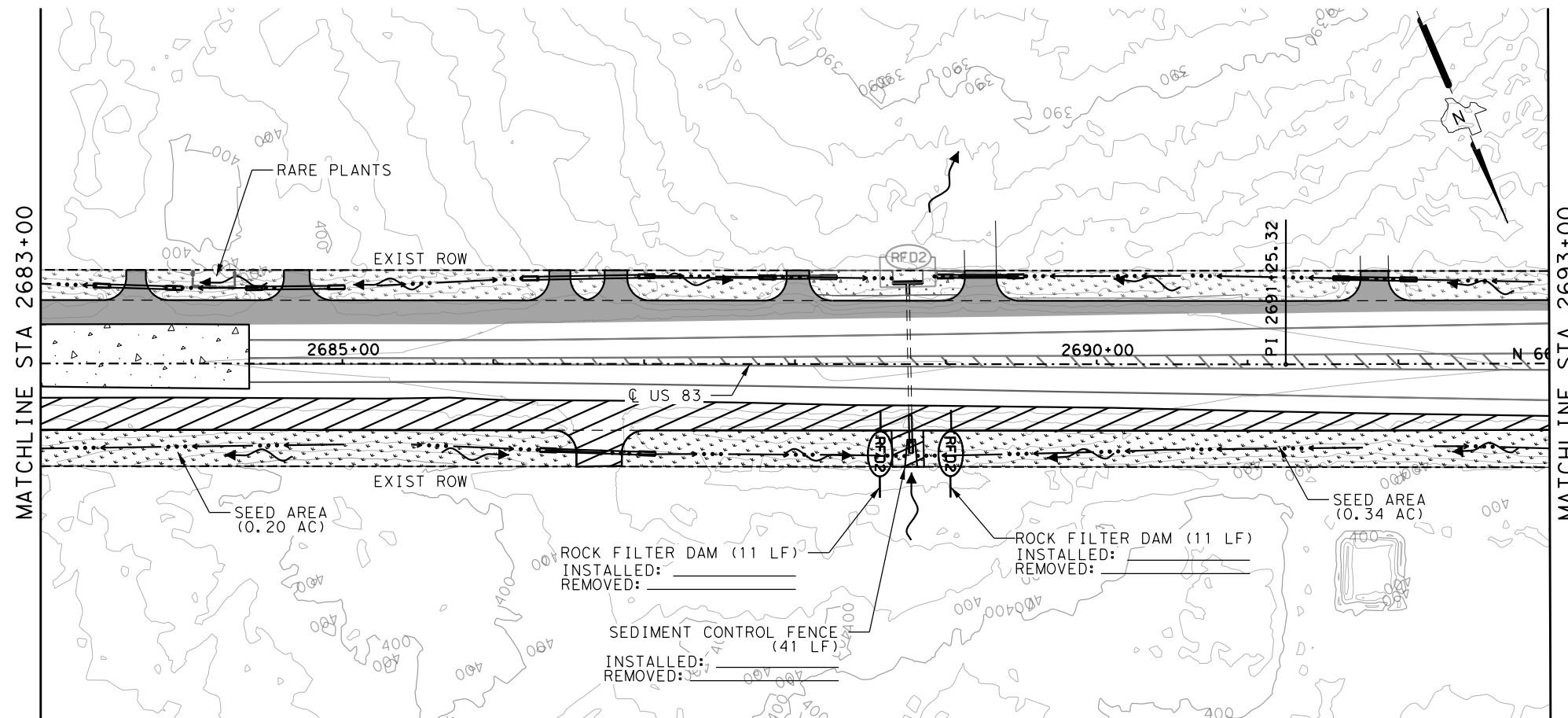
US 83 ZAPATA SW3P LAYOUT PHASE 2
 STA. 2643+00 TO STA. 2663+00

SHEET 16 OF 18

1 REVISED 04/26/23

DN:	CONT	SECT	JOB	HIGHWAY
CK DN:	0038	05	040	US 83
DW:	DIST		COUNTY	SHEET NO.
CK DW:	PHR		ZAPATA	449
TR:				
CK TR:				

DATE: 3/30/2023 12:57:40 PM
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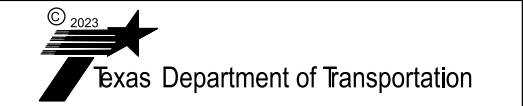
LEGEND:

	SEDIMENT CONTROL FENCE		PREVIOUSLY SEEDED
	ROCK FILTER DAM TYPE 2		DESIGNATED WETLAND
	FLOW DIRECTION		WATERS OF THE US
	TYPE 1 CONST ENT/EXIT		TEMPORARY PAVEMENT
	TYPE 2 CONST ENT/EXIT		PREVIOUSLY CONSTRUCTED PAVEMENT
	PERIMETER FENCE		PAVEMENT REMOVAL
	PROPOSED SEEDING		WORKZONE
	EROSION CONTROL LOG		PREV EROSION CNT LOG
	PREV SEDMNT CNT FNC		PREV TY 1 CONST ENT/EXIT
	PREV RCK FLT DAM TY 2		PREV TY 2 CONST ENT/EXIT
	PREV PERIMETER FENCE		

- NOTE:**
- CONSTRUCTION EXITS ARE TO BE LOCATED AND INSTALLED BASED ON FIELD CONDITIONS AND AS APPROVED BY THE ENGINEER. THE LOCATION OF THE CONSTRUCTION EXIT SHOULD BE SUFFICIENT FOR CONTINUOUS USE BY THE CONTRACTOR DURING CONSTRUCTION.
 - SEE SW3P SUMMARY FOR SHEET TOTALS.
 - CONTRACTOR SHALL RECORD THE INSTALLATION AND REMOVAL DATE FOR ALL SW3P ITEMS.
 - ROCK FILTER DAMS AND SILT FENCE ARE PLACED IN THE PHASE SHOWN AND SHALL REMAIN UNTIL FINAL GRADING AND STABILIZATION.
 - REFER TO TRAFFIC CONTROL PLANS FOR CONSTRUCTION AND TRAFFIC PHASING NOT SHOWN HERE.
 - THE LOCATIONS OF DEVICES ARE FOR GRAPHIC REPRESENTATION ONLY. ALL ITEMS ARE TO BE CONTAINED WITHIN THE PROPOSED AND EXISTING ROW OR EASEMENTS.
 - REFER TO TYPICAL SECTIONS FOR LIMITS OF PROPOSED SEEDING/SODDING.
 - THE CONTRACTOR MUST CONTACT THE ENGINEER BEFORE PLACEMENT OF ANY EROSION CONTROL DEVICES.
 - EROSION CONTROL DEVICES MAY BE MODIFIED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
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3/30/2023
Kurt Killian



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 STA. 2683+00 TO STA. 2703+00

1 REVISED 04/26/23

SHEET 18 OF 18			
DN:	CONT	SECT	JOB
CK DN:	0038	05	040
DW:	DIST		COUNTY
CK DW:	PHR		ZAPATA
TR:			SHEET NO.
CK TR:			451