

SEE SHEET 2 FOR "INDEX OF SHEETS"

CONTRACTOR: _____
 DATE OF LETTING: _____
 DATE WORK BEGAN: _____
 DATE WORK COMPLETED: _____
 DATE WORK ACCEPTED: _____
 FINAL CONTRACT COST: _____

LIST OF APPROVED FIELD CHANGES:

STATE OF TEXAS TEXAS DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED STATE HIGHWAY IMPROVEMENT

FOR THE CONSTRUCTION OF MISCELLANEOUS CONSTRUCTION
 CONSISTING OF ROAD IMPROVEMENTS

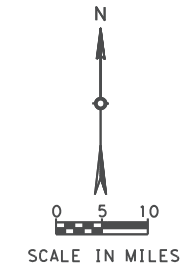
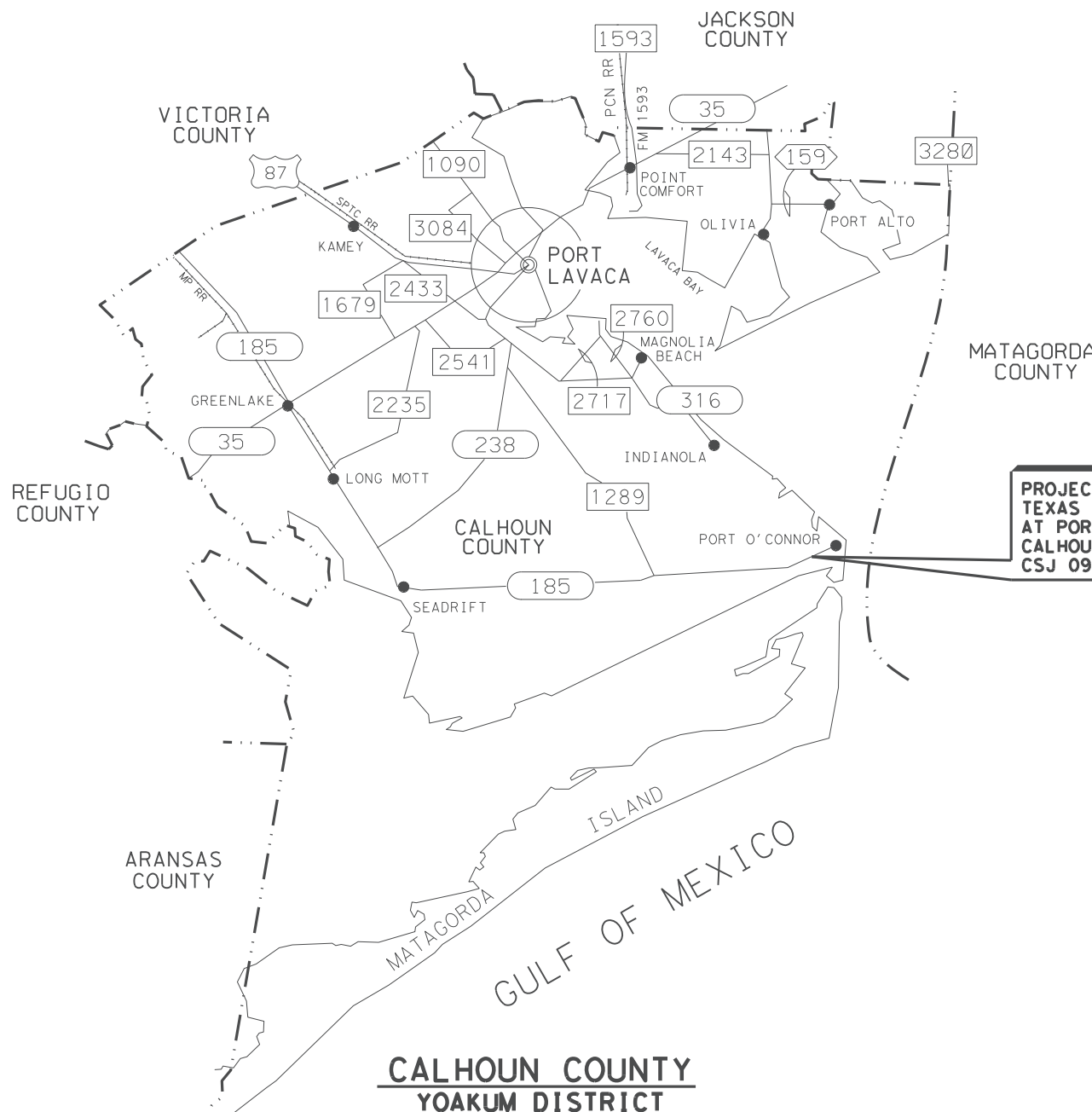
PW - CALHOUN COUNTY
 AT PORT O'CONNOR FISHERIES LAB
 PROJECT NO.: C 913-19-37

DESIGN SPEED: N/A
 HWY FUNCTIONAL CLASS: N/A

PROJECT NO.: C 913-19-37
 CSJ: 0913-19-037
 HIGHWAY: PW
 LIMITS: AT PORT O'CONNOR FISHERIES LAB
 ADT: N/A

PROJECT LENGTH
 ROADWAY LENGTH = 0.000 FT = 0.000 MI
 BRIDGE LENGTH = 0.000 FT = 0.000 MI
 TOTAL LENGTH = 0.000 FT = 0.000 MI

FED. RD. DIV. NO.	PROJECT NO.	SHEET NO.
6	C 913-19-37	1
STATE	STATE DIST.	COUNTY
TEXAS	YKM	CALHOUN
CONT.	SECT.	JOB
0913	19	037
		HIGHWAY NO.
		PW



PROJECT LOCATION:
 TEXAS PARKS AND WILDLIFE
 AT PORT O'CONNOR FISHERIES LAB
 CALHOUN COUNTY
 CSJ 0913-19-037



THIS IS TO CERTIFY THAT THE CONSTRUCTION WORK WAS PERFORMED IN ACCORDANCE WITH THE PLANS, CONTRACT AND LISTED FIELD CHANGES.

 AREA ENGINEER DATE

CONCURRENCE 02/10/2022
 Digitally signed by Scot D. Smith
 DN: cn=Scot D. Smith, o=Texas Parks and Wildlife, ou=Infrastructure, email=scot.smith@tpwd.texas.gov, c=US
 Date: 2022.02.10 16:46:42 -0600
Scot D. Smith
 TEXAS PARKS AND WILDLIFE DEPARTMENT

SUBMITTED FOR LETTING 02/11/2022
Amanda Anderle Fling, P.E.
 DISTRICT DESIGN ENGINEER

RECOMMENDED FOR LETTING 10/31/2022
 DocuSigned by:
Jeffery Vinckland
 C9D9721642F24F0
 DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT

APPROVED FOR LETTING 10/31/2022
 DocuSigned by:
Martin C. Horst, PE
 894AD332139E48D
 DISTRICT ENGINEER

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, NOVEMBER 1, 2014 AND SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS, SHALL GOVERN ON THIS PROJECT: SPECIAL LABOR PROVISIONS FOR STATE PROJECTS (000---008).

EXCEPTIONS: NONE
 RAILROAD CROSSINGS: NONE
 EQUATIONS: NONE



YOAKUM DISTRICT

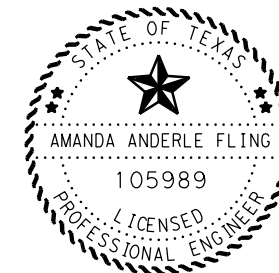
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SHEET NO.	DESCRIPTION
GENERAL	
1	TITLE SHEET
2	INDEX OF SHEETS
3-5	GENERAL NOTES
6	ESTIMATE & QUANTITY SHEET
7	EXISTING SITE MAP
8	PROPOSED SITE MAP
9	ROADWAY SUMMARY AND DETAILS

ENVIRONMENTAL	
10	SW3P LAYOUT AND SUMMARY
11	TxDOT STORM WATER POLLUTION PREVENTION PLAN(SW3P)
12	ENVIRONMENTAL PERMITS, ISSUES & COMMITMENTS

STANDARD SHEETS	
13	EC(1)-16

THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.



Amanda Anderle Fling, P.E.

01/31/2022

INDEX OF SHEETS



SHEET 1 OF 1

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6			
CONT.	SECT.	JOB	HIGHWAY NO.
0913	19	037	PW
STATE	DIST.	COUNTY	SHEET NO.
TEXAS	YKM	CALHOUN	2

Project Number:

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County: CALHOUN

Control: 0913-19-037

Highway: PW

GENERAL:

Contractor to coordinate construction sequence with the Texas Parks and Wildlife Department (contact information: Kelley Kowal, 361-983-4425 ext. 223) at least one (1) month prior to start of construction activities.

Contractor to coordinate with Joe Krenak at 361-920-0310 or at joeakrenak@yahoo.com at least one (1) month prior to start of construction activities for the installation of the automatic gate opening equipment.

The contractor shall provide for the safe and convenient ingress and egress to the project location and facilities which are utilized by the Texas Parks and Wildlife personnel on a daily basis.

During construction, the contractor will be required to keep the project location in favorable condition which will allow the Texas Parks and Wildlife personnel to utilize the area at night and on weekends.

The contractor shall exercise extreme care when working around the Texas Parks and Wildlife facility buildings.

In the event of a hurricane, all areas will remain open when an impending storm is within 96 hours of landfall.

Contractor questions on this project are to be addressed to the following individual(s):

Clayton Harris Clayton.Harris@txdot.gov

James Janak James.Janak@txdot.gov

Contractor questions will be accepted through email, phone, and in person by the above individuals.

All contractor questions will be reviewed by the Engineer. Once a response is developed, it will be posted to TxDOT's Public FTP at the following Address:
<https://ftp.dot.state.tx.us/pub/txdot-info/Pre-Letting%20Responses/>

All questions submitted that generate a response will be posted through this site. The site is organized by District, Project Type (Construction or Maintenance), Letting Date, CCSJ/Project Name.

In the removal of the surface and base material on the existing pavement, exercise extreme care in providing a smooth and uniform edge adjacent to the existing travelway pavement which is to remain in place.

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County: CALHOUN

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The contractor will be required to plug all holes in existing storm sewer lines caused by the removal of incidental sewer appurtenances. Materials and method of plugging holes will be as approved or directed. No direct payment will be made for these materials and the work shall be considered subsidiary to the various bid items of the contract.

Do not work on the roadway before sunrise or after sunset unless otherwise approved.

Furnish a certified copy of the legal gross weight of each vehicle hauling materials by weight and certified measurements for all trucks hauling material by volume.

Leave all intersecting roadways, side streets, and entrances open at night unless otherwise directed. Should the contractor desire to close a side street or entrance overnight, approval will be required 48 hours in advance and the contractor will be required to coordinate the closure satisfactorily with any affected business or resident.

Unless otherwise approved, maintain a minimum safety clearance from the edge of the travelway for material stockpiled in proximity of traffic lanes based on the current average traffic count of the particular highway as follows:

0 - 1500 = 16 feet

Over 1500 = 30 feet

In the event the above requirements cannot be met, make arrangements to stockpile material off the right of way.

The Department will provide the cylinder testing machine for this project. Deliver the test specimens to the engineer's curing facilities as directed.

Do not clean out concrete trucks within the right of way.

ITEM 7: LEGAL RELATIONS AND RESPONSIBILITIES

The Department has determined that a USACE Nationwide or Individual Permit is not necessary for the project since all work shall be conducted outside the USACE jurisdictional areas. Any impacts to these jurisdictional areas by the Contractor without a USACE permit will be the responsibility of the Contractor. If the Contractor deems it necessary to impact the USACE jurisdictional areas, then it becomes the Contractor's entire responsibility to consult with the USACE pertaining to the need for a Nationwide or Individual Permit. TxDOT will then hold the Contractor responsible for following all conditions of the approved permit.

No significant traffic generator events identified.

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County: CALHOUN

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If the contractor proposes work beyond the TxDOT obtained permit limitations, the contractor is responsible for additional costs, delays, and obtaining new or revised permits prior to construction.

ITEM 8: PROSECUTION AND PROGRESS

Provide progress schedule as a Bar Chart.

ITEM 150: BLADING

Sprinkling and rolling which may be required during the operation of Item 150 will not be measured or paid for directly, but will be considered subsidiary to this item.

Remove existing vegetation, including roots and topsoil, within the grading limits to a depth of approximately 2 inches immediately before grading operations begin within any section. Place the material in a windrow on each side of the roadbed, and replace as directed on the completed slopes as soon as practicable. Measurement and payment will be in accordance with Item "Blading" for cut sections.

ITEM 247: FLEXIBLE BASE

Unless otherwise approved, the delivered material's moisture content at most will be two percent above optimum moisture content, determined by TEX-113-E.

Level-off trucks hauling flexible base material to insure uniform and adequate loads before dumping.

For Type E material, furnish crushed limestone produced and graded from oversize quarried aggregate that originates from a single, naturally occurring source. Do not use caliche, iron ore, gravel, or multiple sources.

Uniformly spread and blanket roll all flex base hauled with a pneumatic roller before the end of the day.

Compact the Type E flex base to at least 98.0% of the maximum density determined by TEX-113-E.

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County: CALHOUN

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ITEM 302: AGGREGATES FOR SURFACE TREATMENTS

Furnish Type PE and Type E aggregate consisting of crushed slag, crushed stone or natural limestone rock asphalt.

Furnish precoated aggregate that has a residual bitumen coating target value of 1.0% by weight.

ITEM 316: SEAL COAT

The asphalt application season for this project is May 1 to September 15. Use an Emulsion instead of an Asphalt Cement as approved when the surface treatment is placed between September 15 and May 1.

The asphalt application rate shown in the plans is an average between an Asphalt Cement and an Emulsion. The type of asphalt and application rate to be used will be as directed. The approximate application rate for Asphalt Cement with a Grade 3 aggregate is 0.32 Gal/SY and with a Grade 4 aggregate is 0.27 Gal/SY. The approximate application rate for an Emulsion with a Grade 3 aggregate is 0.48 Gal/SY and with a Grade 4 aggregate is 0.40 Gal/SY.

Remove daily excess aggregate in developed or curb and gutter sections with a pickup broom or other method as approved and dispose of at an approved site.

Cure any seal coat or one course surface treatment a minimum of three days before the succeeding course is placed unless otherwise directed.

Cure the RC-250 a minimum of seven (7) days prior to placement of the one course surface treatment. Place one course surface treatment no later than fourteen (14) days after placement of the RC-250, unless otherwise directed.

Use two paper widths covering a minimum of five feet at the beginning of each shot to construct a straight transverse joint and to prevent overlapping of the asphalt.

ITEM 320: EQUIPMENT FOR ASPHALT CONCRETE PAVEMENT

Provide a material transfer device capable of transferring mix from the haul trucks to the paver. Monitor its loading such that no damage is done to the existing pavement structures if a material transfer vehicle is used.

Securely attach a waterproof tarpaulin to the top of all trucks hauling ACP, to prevent air flow across the mix, for the duration of all ACP operations.

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ITEM 502: BARRICADES, SIGNS, AND TRAFFIC HANDLING

The Contractor Force Account "Safety Contingency" that has been established for this project is intended to be utilized for work zone enhancements, to improve the effectiveness of the Traffic Control Plan, that could not be foreseen in the project planning and design stage. These enhancements will be mutually agreed upon by the Engineer and the Contractor's Responsible Person based on weekly or more frequent traffic management reviews on the project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

ITEM 504: FIELD OFFICE AND LABORATORY

Provide a Type D structure for the asphalt mix control laboratory for the engineer's exclusive use. Equip the structure with a 240 volt electrical entrance service. The service will consist of a minimum of four 120 volt circuits with 20 amp breakers and at most two grounded convenience outlets per circuit and provisions for a minimum of two 220 volt ovens. Space heaters for heating the structure are unacceptable. Portable structures will be support blocked for stability and will be tied down.

**ITEM 506: TEMPORARY EROSION, SEDIMENTATION,
AND ENVIRONMENTAL CONTROLS**

1. See SW3P plan sheet for total disturbed acreage.
2. The disturbed area in this project, all project locations in the contract, and contractor project specific locations (PSLs), within one (1) mile of the project limits, for the contract will further establish the authorization requirements for storm water discharges.
3. The department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans.
4. Obtain any required authorization from the TCEQ for any contractor PSLs for construction activities on or off right-of-way (ROW).
5. When the total disturbed area for all projects in the contract and PSLs within one (1) mile of the project limits exceeds five (5) acres, provide a copy of the contractor NOI.
6. Provide a signed sketch detailing the location of any contractor's PSLs on ROW or within one (1) mile of the project.

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County: CALHOUN

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ITEM 3076: DENSE-GRADED HOT-MIX ASPHALT

Mixture designs, using the PG binder originally specified and without additives, failing to meet the requirements of Table 10 will require the addition of a minimum 1.0% of Type A hydrated lime based on dry weight of the total aggregate.

Use of RAS in the HMA surface course is not permitted.

Do not add additional quantity of RAP to stockpiles tested and approved. If additional RAP is added to a stockpile, a new design and trial batch will be required prior to placement on the roadway.

The extracted aggregate from contractor-owned RAP shall have a minimum of 85% two crushed faces when tested in accordance with TEX-460-A, Part I.



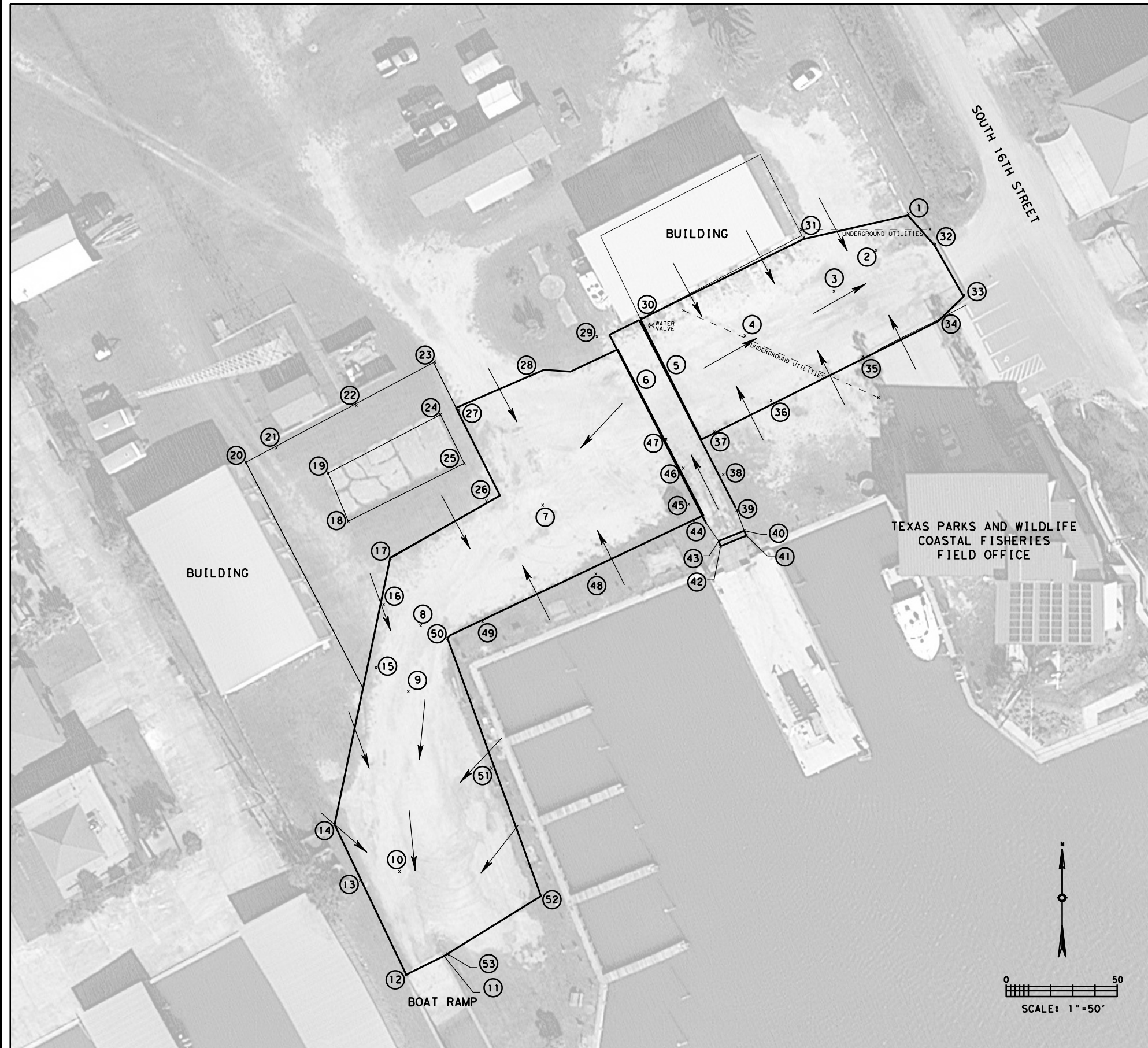
Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0913-19-037

DISTRICT Yoakum
HIGHWAY CR 270

COUNTY Calhoun

CONTROL SECTION JOB				0913-19-037		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00179987			
COUNTY				Calhoun			
HIGHWAY				CR 270			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	104-6028	REMOVING CONC (MISC)	SY	154.000		154.000	
	150-6002	BLADING	HR	25.000		25.000	
	247-6117	FL BS (RDWY DEL) (TY E GR 1-2) (IN VEH)	CY	340.000		340.000	
	251-6240	REWORK BS MATL (TY C) (2") (ORD COMP)	SY	3,923.000		3,923.000	
	316-6029	ASPH (RC-250)	GAL	749.000		749.000	
	316-6202	AGGR(TY-E GR-5 SAC-B)	CY	27.000		27.000	
	316-6249	AGGR(TY-PE GR-4 SAC-B)	CY	29.000		29.000	
	316-6400	ASPH (AC-15P OR AC-10-2TR OR CRS-2P)	GAL	1,273.000		1,273.000	
	500-6001	MOBILIZATION	LS	1.000		1.000	
	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	405.000		405.000	
	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	405.000		405.000	
	530-6004	DRIVEWAYS (CONC)	SY	297.000		297.000	
	3076-6077	D-GR HMA TY-D SAC-B PG70-22 (EXEMPT)	TON	412.000		412.000	
	08	CONTRACTOR FORCE ACCOUNT SAFETY CONTINGENCY (NON-PARTICIPATING)	LS	1.000		1.000	
		CONTRACTOR FORCE ACCOUNT EROSION CONTROL MAINTENANCE (NON-PARTICIPATING)	LS	1.000		1.000	

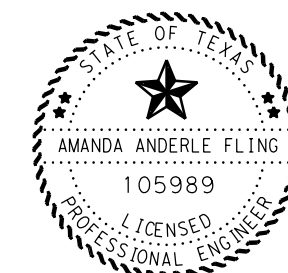


EXISTING SITE MAP

NOTES:
1. AERIAL VIEW FOR CONTRACTOR'S INFORMATION ONLY.

EXISTING COORDINATES AND ELEVATIONS

① X, Y = (2798329.1850, 13352493.1600) ELEV=4.55'	⑲ X, Y = (2798067.6600, 13352376.2540) ELEV=4.82'
② X, Y = (2798314.6730, 13352476.5100) ELEV=4.74'	⑳ X, Y = (2798030.5170, 13352381.0750) ELEV=5.18'
③ X, Y = (2798295.6830, 13352458.0880) ELEV=4.41'	㉑ X, Y = (2798044.3050, 13352387.6270) ELEV=5.27'
④ X, Y = (2798255.5630, 13352438.1370) ELEV=4.71'	㉒ X, Y = (2798080.3390, 13352406.7030) ELEV=5.52'
⑤ X, Y = (2798220.4340, 13352421.3530) ELEV=4.72'	㉓ X, Y = (2798115.6690, 13352426.3180) ELEV=5.48'
⑥ X, Y = (2798207.3050, 13352413.7340) ELEV=4.57'	㉔ X, Y = (2798118.2730, 13352402.5460) ELEV=4.89'
⑦ X, Y = (2798164.3570, 13352361.7690) ELEV=4.30'	㉕ X, Y = (2798129.0190, 13352380.6080) ELEV=4.68'
⑧ X, Y = (2798109.3650, 13352307.4690) ELEV=4.37'	㉖ X, Y = (2798138.9930, 13352363.6000) ELEV=4.90'
⑨ X, Y = (2798103.7923, 13352277.8304) ELEV=4.13'	㉗ X, Y = (2798126.4140, 13352404.6030) ELEV=5.12'
⑩ X, Y = (2798099.7880, 13352196.6150) ELEV=3.76'	㉘ X, Y = (2798158.8550, 13352419.9510) ELEV=5.03'
⑪ X, Y = (2798119.8550, 13352158.5570) ELEV=3.88'	㉙ X, Y = (2798188.8400, 13352437.7380) ELEV=5.11'
⑫ X, Y = (2798102.8310, 13352150.1230) ELEV=4.02'	⑳ X, Y = (2798208.6760, 13352446.1560) ELEV=5.75'
⑬ X, Y = (2798082.1720, 13352192.6600) ELEV=5.05'	㉑ X, Y = (2798282.1470, 13352482.3830) ELEV=5.46'
⑭ X, Y = (2798070.5490, 13352217.7770) ELEV=4.72'	㉒ X, Y = (2798341.2900, 13352479.4250) ELEV=4.56'
⑮ X, Y = (2798089.1570, 13352288.5150) ELEV=4.88'	㉓ X, Y = (2798354.3250, 13352456.4400) ELEV=4.61'
⑯ X, Y = (2798092.6320, 13352316.9090) ELEV=4.57'	㉔ X, Y = (2798342.7860, 13352445.3380) ELEV=4.79'
⑰ X, Y = (2798095.6550, 13352337.9120) ELEV=4.90'	㉕ X, Y = (2798308.7190, 13352428.6990) ELEV=4.73'
⑱ X, Y = (2798092.6320, 13352354.5240) ELEV=4.53'	㉖ X, Y = (2798267.3470, 13352408.8990) ELEV=4.83'
⑳ X, Y = (2798067.6600, 13352376.2540) ELEV=4.82'	㉗ X, Y = (2798241.7390, 13352394.8400) ELEV=5.08'
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㉓ X, Y = (2798080.3390, 13352406.7030) ELEV=5.52'	㉚ X, Y = (2798255.2460, 13352350.2100) ELEV=6.66'
㉔ X, Y = (2798115.6690, 13352426.3180) ELEV=5.48'	㉛ X, Y = (2798256.1360, 13352347.9950) ELEV=6.61'
㉕ X, Y = (2798118.2730, 13352402.5460) ELEV=4.89'	㉜ X, Y = (2798244.5220, 13352343.2640) ELEV=6.43'
㉖ X, Y = (2798129.0190, 13352380.6080) ELEV=4.68'	㉝ X, Y = (2798243.6750, 13352345.5740) ELEV=6.66'
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	㉟ X, Y = (2798230.2490, 13352362.1680) ELEV=5.09'
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	㊳ X, Y = (2798188.3110, 13352330.7510) ELEV=5.01'
	㊴ X, Y = (2798137.2210, 13352309.3210) ELEV=4.89'
	㊵ X, Y = (2798121.4670, 13352301.7550) ELEV=4.58'
	㊶ X, Y = (2798141.3280, 13352243.1920) ELEV=4.61'
	㊷ X, Y = (2798163.6250, 13352185.5750) ELEV=4.80'
	㊸ X, Y = (2798121.3820, 13352159.4930) ELEV=4.49'



Amanda Anderle Fling, P.E.

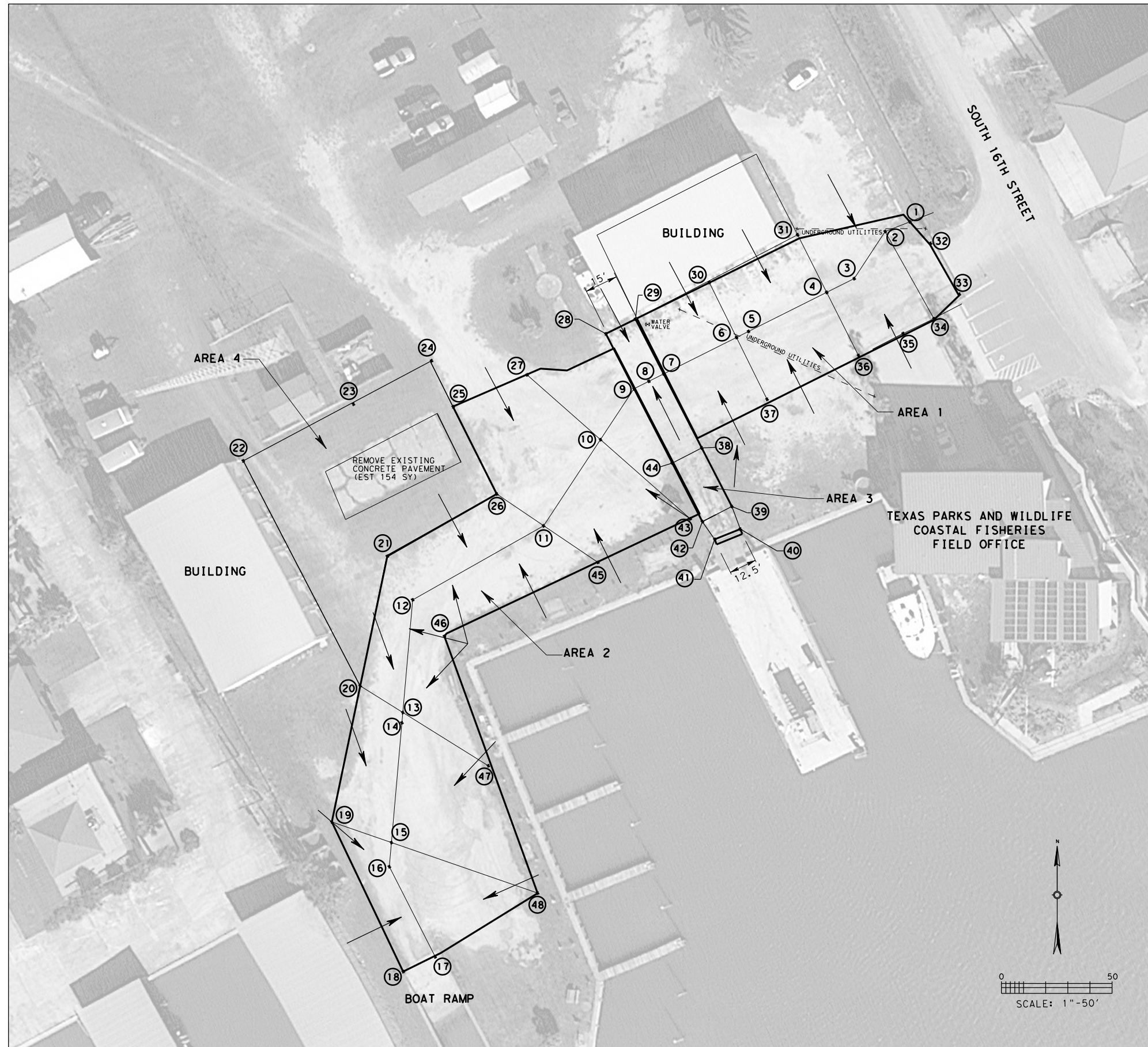
01/31/2022

EXISTING SITE MAP

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SHEET 1 OF 1

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CONT.	SECT.	JOB	HIGHWAY NO.
0913	19	037	PW
STATE	DIST.	COUNTY	SHEET NO.
TEXAS	YKM	CALHOUN	7



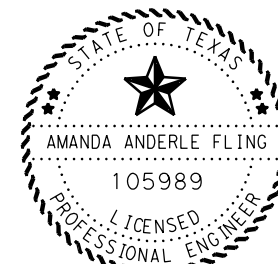
PROPOSED COORDINATES AND ELEVATIONS

①	X, Y = (2798331.8785, 13352489.1815) ELEV=3.82'
②	X, Y = (2798320.7451, 13352484.7858) ELEV=3.86'
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⑦	X, Y = (2798221.2184, 13352420.710) ELEV=4.24'
⑧	X, Y = (2798213.9037, 13352417.0387) ELEV=4.26'
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⑬	X, Y = (2798102.6430, 13352267.2819) ELEV=4.23'
⑭	X, Y = (2798102.2389, 13352262.6123) ELEV=4.22'
⑮	X, Y = (2798097.4910, 13352208.4537) ELEV=4.15'
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⑰	X, Y = (2798117.2996, 13352156.7806) ELEV=3.88' (MATCH EXISTING)
⑱	X, Y = (2798102.8310, 13352150.1230) ELEV=4.02' (MATCH EXISTING)
⑲	X, Y = (2798070.5490, 13352217.7770) ELEV=4.72' (MATCH EXISTING)
⑳	X, Y = (2798083.4205, 13352279.275) ELEV=4.29' (MATCH EXISTING)
㉑	X, Y = (2798095.6550, 13352337.9120) ELEV=4.90' (MATCH EXISTING)
㉒	X, Y = (2798030.5170, 13352381.0750) ELEV=5.18' (MATCH EXISTING)
㉓	X, Y = (2798080.3390, 13352406.7030) ELEV=5.52' (MATCH EXISTING)

㉔	X, Y = (2798115.6690, 13352426.3180) ELEV=5.48'
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㉖	X, Y = (2798145.1927, 13352366.0336) ELEV=4.90' (MATCH EXISTING)
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㉛	X, Y = (2798281.1580, 13352483.3230) ELEV=5.23' (MATCH EXISTING)
㉜	X, Y = (2798341.2900, 13352479.4250) ELEV=4.56' (MATCH EXISTING)
㉝	X, Y = (2798354.3250, 13352456.4400) ELEV=4.61' (MATCH EXISTING)
㉞	X, Y = (2798342.7860, 13352445.3380) ELEV=4.79' (MATCH EXISTING)
㉟	X, Y = (2798342.7860, 13352445.3380) ELEV=4.90' (MATCH EXISTING)
㊱	X, Y = (2798308.7190, 13352428.6990) ELEV=4.73' (MATCH EXISTING)
㊲	X, Y = (2798267.3470, 13352408.8990) ELEV=4.83' (MATCH EXISTING)
㊳	X, Y = (2798243.6750, 13352345.5740) ELEV=6.66' (MATCH EXISTING)
㊴	X, Y = (27982651.4384, 13352360.4372) ELEV=6.66'
㊵	X, Y = (2798255.2460, 13352350.2100) ELEV=6.66' (MATCH EXISTING)
㊶	X, Y = (2798237.8182, 13352386.9221) ELEV=6.66'
㊷	X, Y = (2798238.1014, 13352353.5724) ELEV=6.66'
㊸	X, Y = (2798232.5890, 13352354.8780) ELEV=5.36' (MATCH EXISTING)
㊹	X, Y = (2798224.4861, 13352380.0647) ELEV=6.66'
㊺	X, Y = (2798190.8704, 13352335.1916) ELEV=5.01' (MATCH EXISTING)
㊻	X, Y = (2798121.4670, 13352301.7550) ELEV= 4.58' (MATCH EXISTING)
㊼	X, Y = (2798141.3280, 13352243.1920) ELEV=4.61' (MATCH EXISTING)
㊽	X, Y = (2798163.6250, 13352185.5750) ELEV=4.80' (MATCH EXISTING)

PROPOSED SITE MAP

- NOTES:
 1. AERIAL VIEW FOR CONTRACTOR'S INFORMATION ONLY.
 2. PROPOSED ELEVATIONS MAY BE ADJUSTED TO MEET FIELD CONDITION AS APPROVED OR DIRECTED BY THE ENGINEER.
 3. SEE "ROADWAY SUMMARY AND DETAILS" SHEET FOR MORE INFORMATION.



Amanda Anderle Fling, P.E.

01/31/2022

PROPOSED SITE MAP

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SHEET 1 OF 1

FED. RD. DIV. NO.		PROJECT NO.	
6			
CONT.	SECT.	JOB	HIGHWAY NO.
0913	19	037	PW
STATE	DIST.	COUNTY	SHEET NO.
TEXAS	YKM	CALHOUN	8

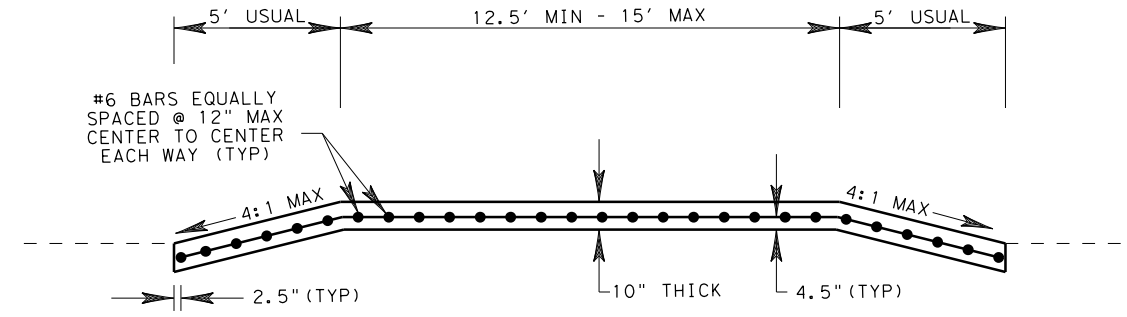
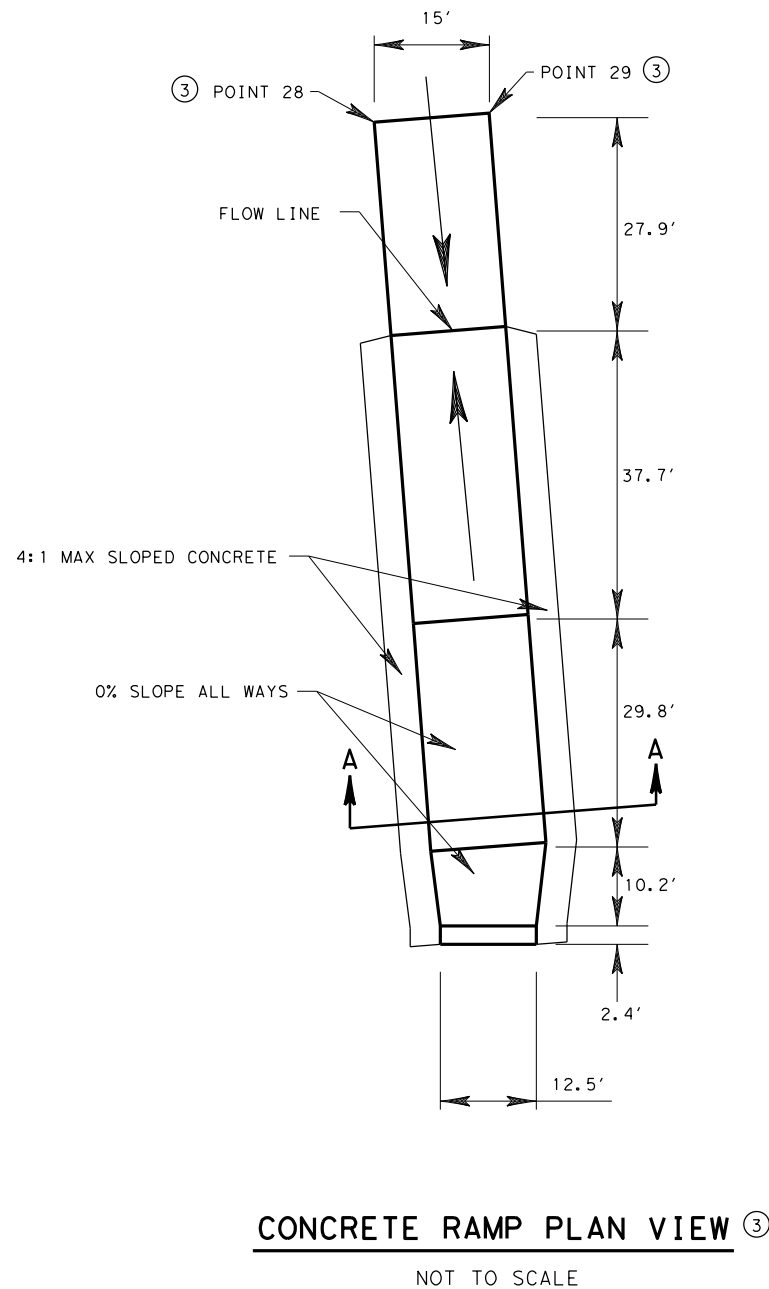
ROADWAY SUMMARY

ROADWAY SURFACE AREA	ITEM 104	ITEM 150	ITEM 247	ITEM 251	ITEM 316 PRIME		ITEM 316 SEAL		ITEM 420	ITEM 530	ITEM 3076	REMARKS
	REMOVING CONC (MISC)	BLADING (EST)	FLEX BASE (RDWY DEL) (TYE GR1-2) (IN VEH) (EST)	REWORK BS MTL (TY C) (2") (ORD COMP) SY	ASPH (RC-250)	AGGR (TY - E GR - 5)	ASPH (AC-15P OR AC-10-2TR OR CRS-2P)	AGGR (TY - PE GR - 4)	CL A CONC 10"	DRIVEWAY (CONC)	D-GR HMA TY-D SAC-B PG70-22 (EXEMPT) 220#/SY TON	
SY	SY	HR	CY	SY	0.20 GAL/SY GAL	1 CY/140 SY CY	0.34 GAL/SY GAL	1 CY/130 SY CY	(CY)	(SY)		
854				854	170.8	6.1	290.4	6.6			93.9	AREA 1 ①
2074				2074	414.8	14.8	705.2	16.0			228.1	AREA 2 ①
178		25	340	178					82.5	297		AREA 3 ②
817	154			817	163.4	5.8	277.8	6.3			89.9	AREA 4 ①
TOTALS	154	25	340	3923	749	27	1273	29	83	297	412	

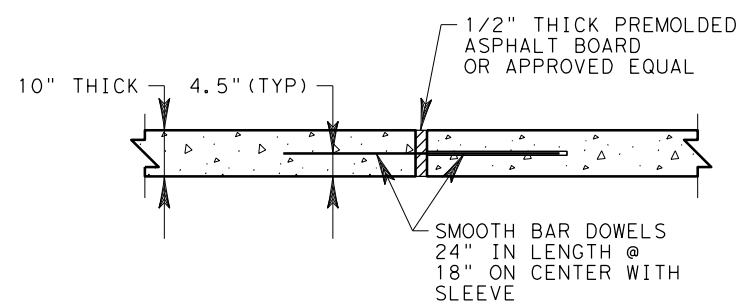
* FOR CONTRACTORS INFORMATION ONLY

NOTES:

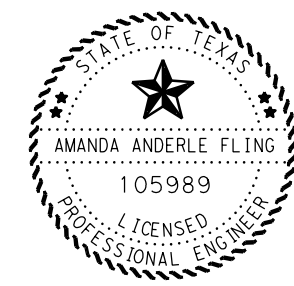
- ① REWORK AND RESHAPE EXISTING MATERIAL TO PROVIDE POSITIVE DRAINAGE (2" USUAL DEPTH), SEAL COAT, AND 2" TYPE D ACP.
- ② 10" CONCRETE PAVEMENT WITH #6 BARS EQUALLY SPACED 12" MAX CENTER TO CENTER EACH WAY (TYP).
- ③ SEE "PROPOSED SITE MAP" SHEET FOR MORE INFORMATION.



NOTE: WIDTH AND SIDE SLOPE DIMENSIONS MAY VARY BASED ON FIELD CONDITIONS. ADJUSTMENTS MAY BE MADE AS APPROVED BY ENGINEER.



NOTE: PROVIDE EXPANSION JOINTS AT 40' MAX SPACING.



Amanda Anderle Fling, P.E.

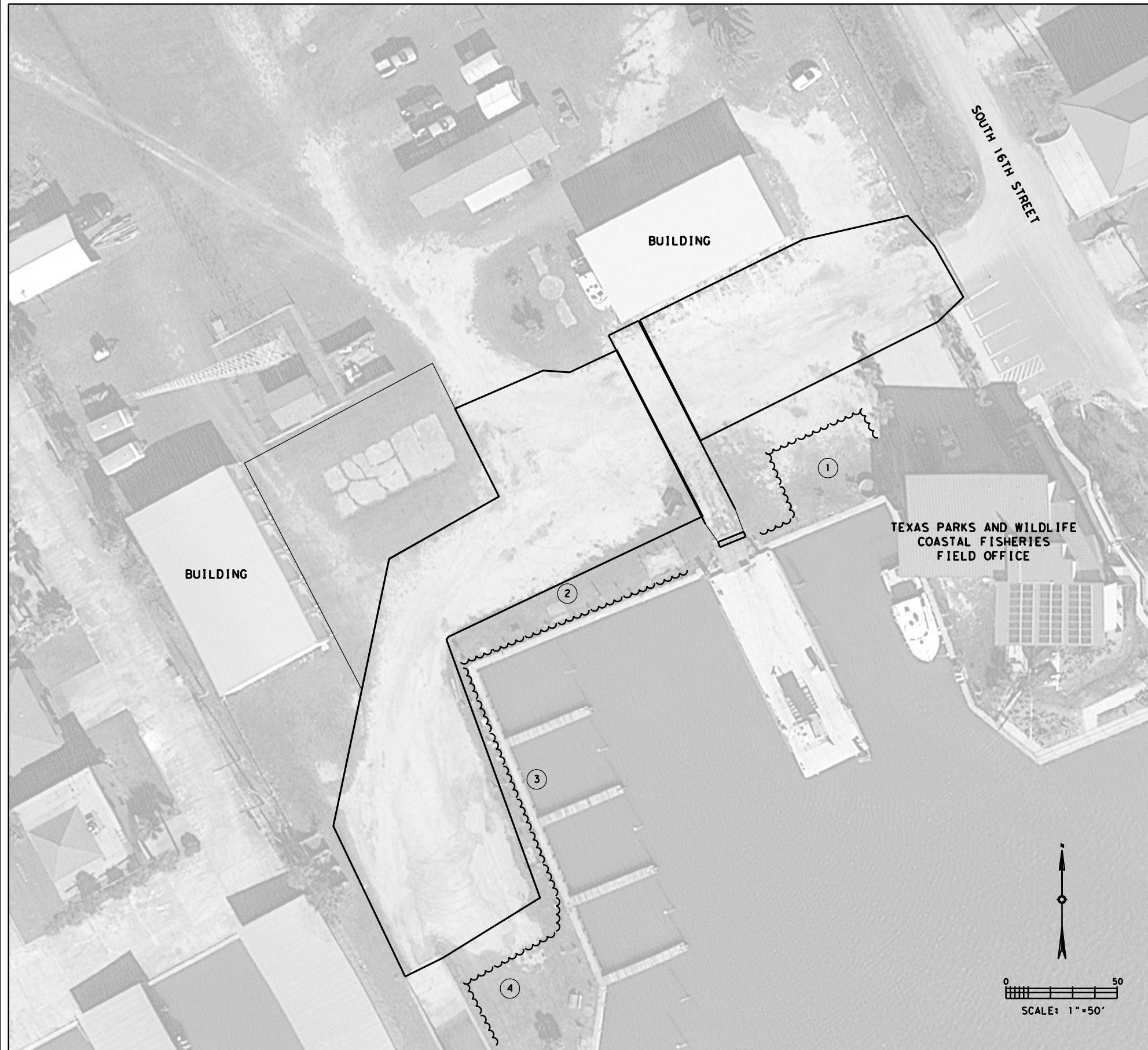
ROADWAY SUMMARY AND DETAILS

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FED. RD. DIV. NO.		FEDERAL AID PROJECT NO.	
6			
CONT.	SECT.	JOB	HIGHWAY NO.
0913	19	037	PW
STATE	DIST.	COUNTY	SHEET NO.
TEXAS	YKM	CALHOUN	9

01/31/2022

PATH: T:\YKMAN\X\PS&E\091319037 P&W FISHERIES\PLAN_SHEETS\FILE: PROPOSED_SITE_MAP.dgn



SW3P SUMMARY

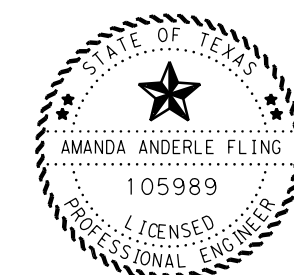
ID #	ITEM 506	
	TEMP SEDMT CONT FENCE INSTALL (LF)	TEMP SEDMT CONT FENCE REMOVE (LF)
1	105	105
2	105	105
3	105	105
4	90	90
TOTALS	405	405

LEGEND

	SILT FENCE
	ROCK FILTER DAM
	CULVERT
	ID NUMBER

NOTES:

1. INSTALL BMP'S TO CORRESPOND WITH SEQUENCE OF CONSTRUCTION. ADDITIONAL BMP'S MAY BE ADDED TO CORRESPOND WITH CONSTRUCTION ACTIVITIES AS APPROVED OR AS DIRECTED BY THE ENGINEER.
2. ACTUAL BMP LOCATIONS AND LENGTHS MAY VARY TO MEET FIELD CONDITIONS AS APPROVED OR AS DIRECTED BY THE ENGINEER.



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01/31/2022

SW3P LAYOUT AND SUMMARY

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FED. RD. DIV. NO.		PROJECT NO.	
6			
CONT.	SECT.	JOB	HIGHWAY NO.
0913	19	037	PW
STATE	DIST.	COUNTY	SHEET NO.
TEXAS	YKM	CALHOUN	10

SITE DESCRIPTION

PROJECT LIMITS: At Port O'Connor Fisheries Lab

PROJECT DESCRIPTION: For the Construction of Miscellaneous Construction Consisting of Road Improvements.

MAJOR SOIL DISTURBING ACTIVITIES: Minimal topsoil removal, reworking of existing base material and reshaping roadway for positive drainage.

Storm Water Pollution Prevention Plans (SW3P) are a part of a project's construction plans and the construction plans contain information that supplements a project SW3P; project plans provide information on changes in elevations, the locations where dirt has been removed and where dirt has been added, on construction sequencing and scheduling and other data that may be important to a full understanding of TCEQ storm water requirements and the project SW3P.

TOTAL PROJECT AREA: Approximately 1 acre.

TOTAL AREA TO BE DISTURBED: Approximately 1 acre.

EXISTING CONDITION OF SOIL & VEGETATIVE COVER AND % OF EXISTING VEGETATIVE COVER: The existing soil is primarily of the Portalto-Roemer sandy soil. The Portalto soil consists of gently sloping, noncalcareous, well drained, and somewhat poorly drained sandy soils of the low coastal uplands.

NAME OF RECEIVING WATERS: All runoff associated with this project drains directly into Segment 246I Espritu Santo Bay.

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT PLANTING, SODDING, OR SEEDING
- MULCHING
- SOIL RETENTION BLANKET
- BUFFER ZONES
- OTHER

NOTE: Stabilization measures must be initiated immediately in portions of the site where construction activities have temporarily ceased and will not resume for a period exceeding 14 calendar days. Stabilization measures that provide a protective cover must be initiated immediately in portions of the site where construction activities have permanently ceased.

STRUCTURAL PRACTICES:

- SILT FENCES
- HAY BALES
- SANDBAGS
- DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
- DIVERSION DIKE AND SWALE COMBINATIONS
- ROCK FILTER DAMS
- PAVED FLUMES/RIPRAP
- ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER MATTING AT CONSTRUCTION EXIT
- CHANNEL LINERS
- SEDIMENT TRAPS/BASINS
- GABIONS
- STORM INLET SEDIMENT TRAP
- STONE OUTLET STRUCTURES
- CURBS AND GUTTERS
- STORM SEWERS
- VELOCITY CONTROL DEVICES
- BIODEGRADABLE EROSION CONTROL LOGS

OTHER: _____

NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:

- The order of activities will be as follows:
1. Install structural practices as indicated above in ditches at structure locations.
 2. Existing topsoil will be bladed and windrowed.
 3. Construction activities begin.
 4. Windrowed topsoil will be bladed back onto completed front slope. Then seed and sod all disturbed areas.
 5. Remove all temporary controls and reseed or resod any areas disturbed by their removal.

Contractor-generated schedules are incorporated into the projects SW3P by reference.

For construction projects, the Yoakum District of the Texas Department of Transportation uses SiteManager, a computer based construction record-keeping system. Documentation describing major grading activities, temporary or permanent cessation of construction, and stabilization measures is a part of this system and is incorporated by reference into this SW3P.

For RMC/Maintenance projects, documentation describing major grading activities, temporary or permanent cessation of construction, and stabilization measures is recorded in a project diary, and is incorporated by reference into this SW3P.

STORM WATER MANAGEMENT: Storm Water Drainage will be provided by grass "flat bottom & V bottom" ditches. This system will carry drainage within the right of way to lows in the highway where cross drainage occurs. The cross drainage structures will be protected with structural practices as indicated above.

Sediment control devices will remain in place until at least 70% regrowth of vegetation has occurred. At this time the new vegetation will act as a filter strip for post construction TSS control upon removal of the device.

A site (visual & odor) assessment of water quality leaving the project site; water quality leaving the construction site has been of good quality, with no visually apparent sediments, litter, fertilizers, or surfactants. The water has no petroleum or other odor. Even so, it might be expected that some sediment and litter will escape the project site and that petroleum products leaking from motor vehicles that travel through the site may lower the quality of runoff water.

EROSION AND SEDIMENT CONTROLS

OTHER EROSION AND SEDIMENT CONTROLS:

MAINTENANCE: All erosion and sediment controls will be maintained in good working order. If a repair is necessary, it will be done at the earliest date possible, but no later than 7 calendar days after the surrounding exposed ground has dried sufficiently to prevent further damage from heavy equipment. The areas adjacent to creeks and drainage ways shall have priority followed by devices protecting storm sewer inlets. Sediment must be removed from control measures when the design capacity is reduced by 50 percent. If sediment escapes the construction site, off site accumulation of sediment must be removed at a frequency to minimize off-site impacts.

INSPECTION: An inspection will be performed by a TxDOT Inspector at least every 7 calendar days. An Inspection and Maintenance Report will be made per each inspection. Based on the inspection results, the controls shall be revised per the inspection report.

WASTE MATERIALS: The contractor shall adequately store all construction waste materials to prevent these materials from becoming pollutants and to minimize pollutant discharges from the storage locations. No construction waste material will be buried on site. Litter and construction chemicals shall be properly contained and prevented from becoming a pollutant in storm water discharge.

Potential pollutants will primarily be from the sediments leaving the project right-of-way and petroleum products. Principal sources of pollution will be disturbed soil from grading and excavating and other roadway construction activities, litter and debris from construction activities, gasoline, oil, and grease from asphalt distributor vehicles, scrapers, trucks, rollers, compactors, and fuel trucks during daily, routine operations.

The contractor will maintain a clean, orderly construction site. Construction waste including trash, rubble, scrap and vegetation shall be disposed of in lidded dumpsters or in a manner approved by the Project Engineer. Disposal methods must meet Federal, State, and Local waste management guidelines. No construction waste will be buried or burned on site. Spills disposal, material storage, and material resulting from the destruction of existing roads and structures shall be stored in areas approved by the Project Engineer and protected from runoff. All waterways shall be cleared of temporary embankment, temporary bridges, matting, false work piling, debris, or other obstructions placed during construction operations, that are not part of the finished work, as soon as practicable. All excess soil generated by the construction will be collected and disposed of by the contractor. Disposal areas, stockpiles, and haul roads shall be constructed in a manner that will minimize and control the amount of sediment that may enter receiving waters. Disposal areas shall not be located in any wetland, water body, or stream bed.

HAZARDOUS WASTE (INCLUDING SPILL REPORTING): At a minimum, any product in the following categories are considered to be hazardous: Paints, Acids for cleaning masonry surfaces, Cleaning Solvents, Asphalt Products, Chemical Additives for soil stabilization, or Concrete Curing Compounds and additives. In event of a spill which may be hazardous, the Spill Coordinator should be contacted immediately.

SANITARY WASTE: All sanitary waste will be collected from the portable units as necessary or as required by local regulation by a licensed sanitary waste management contractor.

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
- EXCESS DIRT ON ROAD REMOVED DAILY
- STABILIZED CONSTRUCTION ENTRANCE

OTHER: _____

REMARKS: Disposal areas, stockpiles, and haul roads shall be constructed in a manner that will minimize and control the amount of sediment that may enter receiving waters. Disposal areas shall not be located in any wetland, waterbody or streambed.

On and off site project specific locations including borrow pits and equipment staging areas are under the control of the contractor. The contractor will be obligated to comply with the requirements of the construction general permit.


All waterways shall be cleared as soon as practicable of temporary embankment, temporary bridges, matting, falsework, piling, debris or other obstructions placed during construction operations that are not a part of the finished work.

TxDOT STORM WATER POLLUTION PREVENTION PLAN (SW3P)

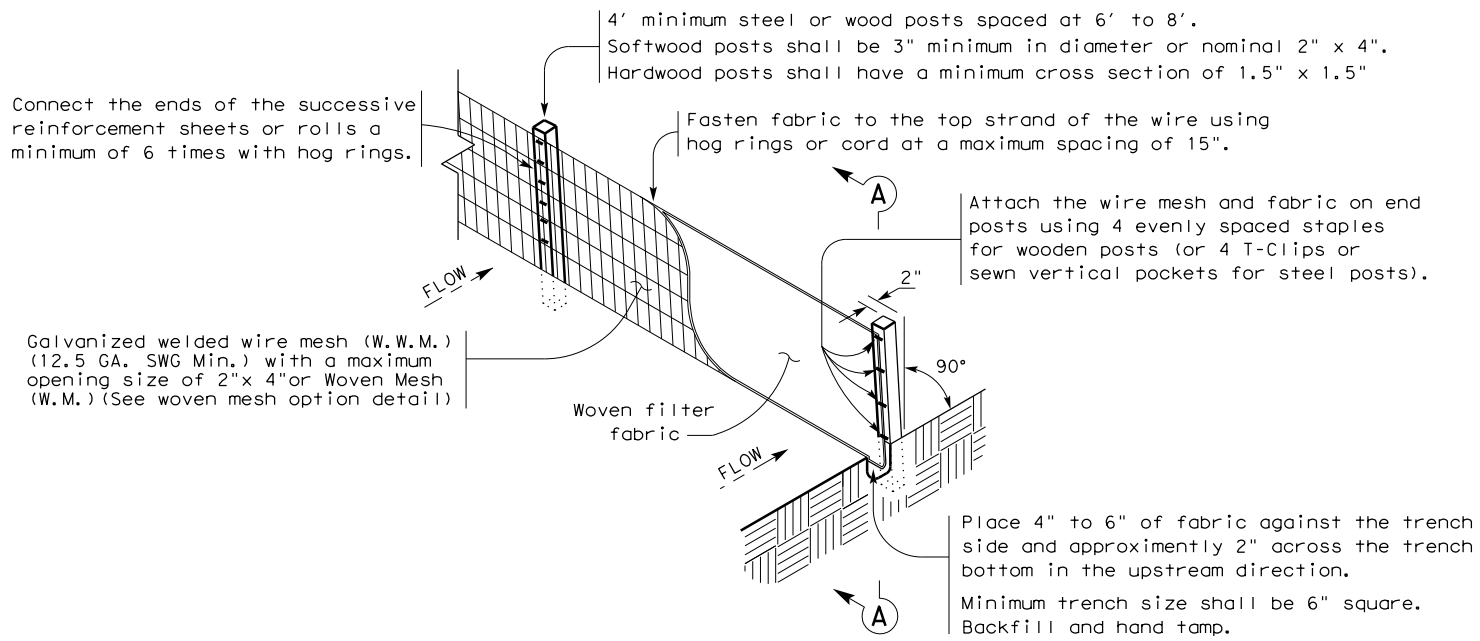


FED. RD. DIV. NO. 6	FEDERAL AID PROJECT NO.	SHEET NO. 11
STATE TEXAS	DIST. YKM	COUNTY CALHOUN
CONT. 0913	SECT. 19	JOB 037
		HIGHWAY NO. PW

<p>I. STORMWATER POLLUTION PREVENTION</p> <p>Texas Pollutant Discharge Elimination System (TPDES) TXR 150000: Stormwater Discharge Permit or Construction General Permit is required for projects with 1 or more acres disturbed soil. Projects with any disturbed soil must protect for erosion and sedimentation in accordance with Item 506. Refer to Storm Water Pollution Prevention Plan (SWP3) Houston District standard plan.</p> <p>No Additional Comments</p>	<p>III. CULTURAL RESOURCES</p> <p>Refer to TxDOT Standard Specifications in the event historical issues or archeological artifacts are found during construction. Upon discovery of archeological artifacts (bones, burnt rock, flint, pottery, etc.) cease work in the area and contact the Engineer immediately.</p> <p>No Additional Comments</p>	<p>VI. HAZARDOUS MATERIALS OR CONTAMINATION ISSUES</p> <p>Refer to TxDOT Standard Specifications in the event potentially contaminated materials are observed, such as dead or distressed vegetation, trash disposal areas, drums, canisters, barrels, leaching or seepage of substances, unusual smells or odors, or stained soil, cease work in the area and contact the Engineer immediately.</p> <p>No Additional Comments</p>
<p>II. WORK IN OR NEAR STREAMS, WATERBODIES AND WETLANDS</p>	<p>IV. VEGETATION RESOURCES</p>	<p>VII. OTHER ENVIRONMENTAL ISSUES</p>
<p>United States Army Corps of Engineers (USACE) Permit is required for filling, dredging, excavating or other work in water bodies, rivers, creeks, streams, wetlands or wet areas. The Contractor must adhere to all of the terms and general conditions associated with the following permit(s). If additional work not represented in the plans is required, contact the Engineer immediately.</p> <p><input checked="" type="checkbox"/> No United States Army Corps (USACE) Permit Required</p> <p><input type="checkbox"/> Work is authorized by the United States Army Corps of Engineers (USACE) under a Nationwide Permit (NWP) without a Pre-Construction Notification (PCN). Project specific permit was not issued by USACE, therefore is not in the plan set. The USACE general conditions are in the "General Notes."</p> <p><input type="checkbox"/> Work is authorized by the United States Army Corps of Engineers (USACE) under a Nationwide Permit (NWP) with a Pre-Construction Notification (PCN). The project specific permit issued by the United States Army Corps of Engineers (USACE) is included in the plan set. The USACE general conditions are in the "General Notes."</p> <p><input type="checkbox"/> Work is authorized by the United States Army Corps of Engineers (USACE) under a Individual Permit (IP). The project specific permit issued by the United States Army Corps of Engineers (USACE) is included in the plan set.</p> <p><input type="checkbox"/> Work would be authorized by the United States Army Corps of Engineers (USACE) permit. The project specific permit issued by the USACE will be provided to the contractor.</p> <p>United States Coast Guard (USCG) Permit is required for projects that involve the construction or modification (including changes to lighting) of a bridge or causeway across a water body determined to be navigable by the United States Coast Guard (USCG) under Section 9 of the Rivers and Harbors Act. If additional work not represented in the plans is required, contact the Engineer immediately.</p> <p><input checked="" type="checkbox"/> No United States Coast Guard (USCG) Coordination Required</p> <p><input type="checkbox"/> United States Coast Guard (USCG) Permit</p> <p><input type="checkbox"/> United States Coast Guard (USCG) Exemption</p> <p>Additional Comments</p>	<p>Preserve native vegetation to the extent practical. Refer to TxDOT Standard Specifications in order to comply with requirements for invasive species, beneficial landscaping and tree/brush removal.</p> <p>No Additional Comments</p> <p>V. FEDERAL LISTED, PROPOSED THREATENED, ENDANGERED SPECIES, CRITICAL HABITAT, STATE LISTED SPECIES, CANDIDATE SPECIES AND MIGRATORY BIRDS</p> <p>If any of the listed species below are observed, cease work in the area, do not disturb species or habitat and contact the Engineer immediately.</p> <p>The work may not remove active nests (from bridges, structures, or vegetation adjacent to the roadway, etc.) during nesting season (February 15 to October 1). If removal of structures or vegetation is necessary during the nesting season, the Contractor shall conduct a bird survey no more than 3 days in advance of the clearing/demolish start date. All bird surveys shall be conducted by a Field Biologist and adhere to the guidance document "Avoiding Migratory Birds and Handling Potential Violations" found in the TxDOT Environmental Compliance Toolkits at the time of the survey. (See below for Field Biologist and Ornithologist qualifications)</p> <p>No Additional Comments</p> <p>Field Biologist, Ornithologist – a field biologist is defined as an individual qualified to perform field investigations, presence/absence surveys and habitat surveys for protected avian species or species of concern. A mandatory bachelor's degree in biology or a related science is required. At a minimum, the Field Biologist, Ornithologist, shall have completed and reported a minimum of three presence/absence and habitat surveys for protected avian species in the past five years. A minimum of three projects must have been conducted in Texas. Surveys shall have been performed for documentation of species in accordance with a protocol approved by USFWS or TPWD, or following generally accepted methodologies.</p>	<p>Comments:</p>

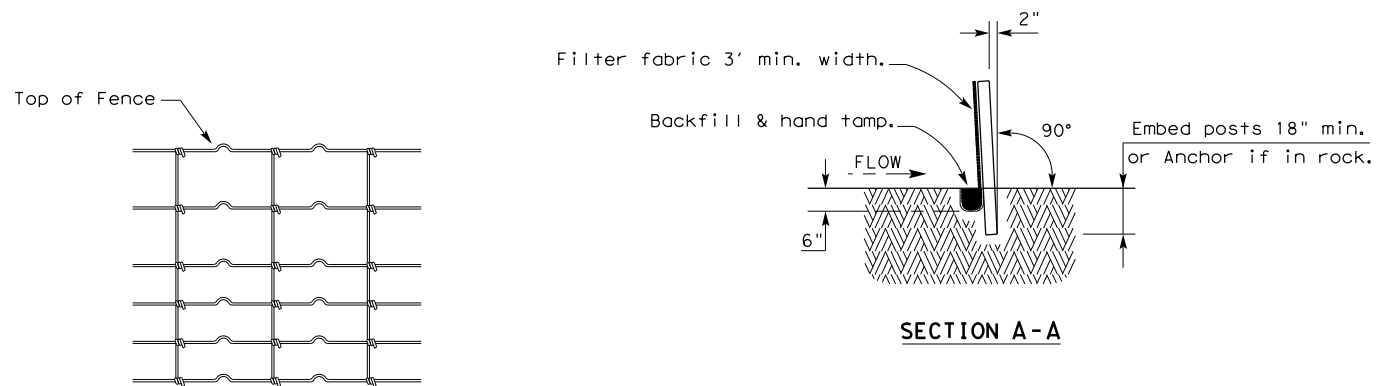
		TxDOT Houston District		
<p>ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS</p> <p>EPIC</p>				
FILE: EPIC Sheet.dgn	DN: TxDOT	CK: KM	DW: VP	CK: LS
© TxDOT: March 2017	CONT SECT	JOB	HIGHWAY	
REVISIONS	0913	19	037	PW
UPDATED section V, text and added definition (10/17)	DIST	COUNTY		SHEET NO.
ADDED USCG and USACE notes in Section VII (04/18)	YKM	CALHOUN		12

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TEMPORARY SEDIMENT CONTROL FENCE

SCF



HINGE JOINT KNOT WOVEN MESH (OPTION) DETAIL

Galvanized hinge joint knot woven mesh (12.5 GA. SWG Min.) requires a minimum of five horizontal wires spaced at a maximum of 12 inches apart and all vertical wires spaced at a maximum of 12 inches apart.

SEDIMENT CONTROL FENCE USAGE GUIDELINES

A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A 2 year storm frequency may be used to calculate the flow rate to be filtered.

Sediment control fence should be sized to filter a maximum flow through rate of 100 GPM/FT². Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.

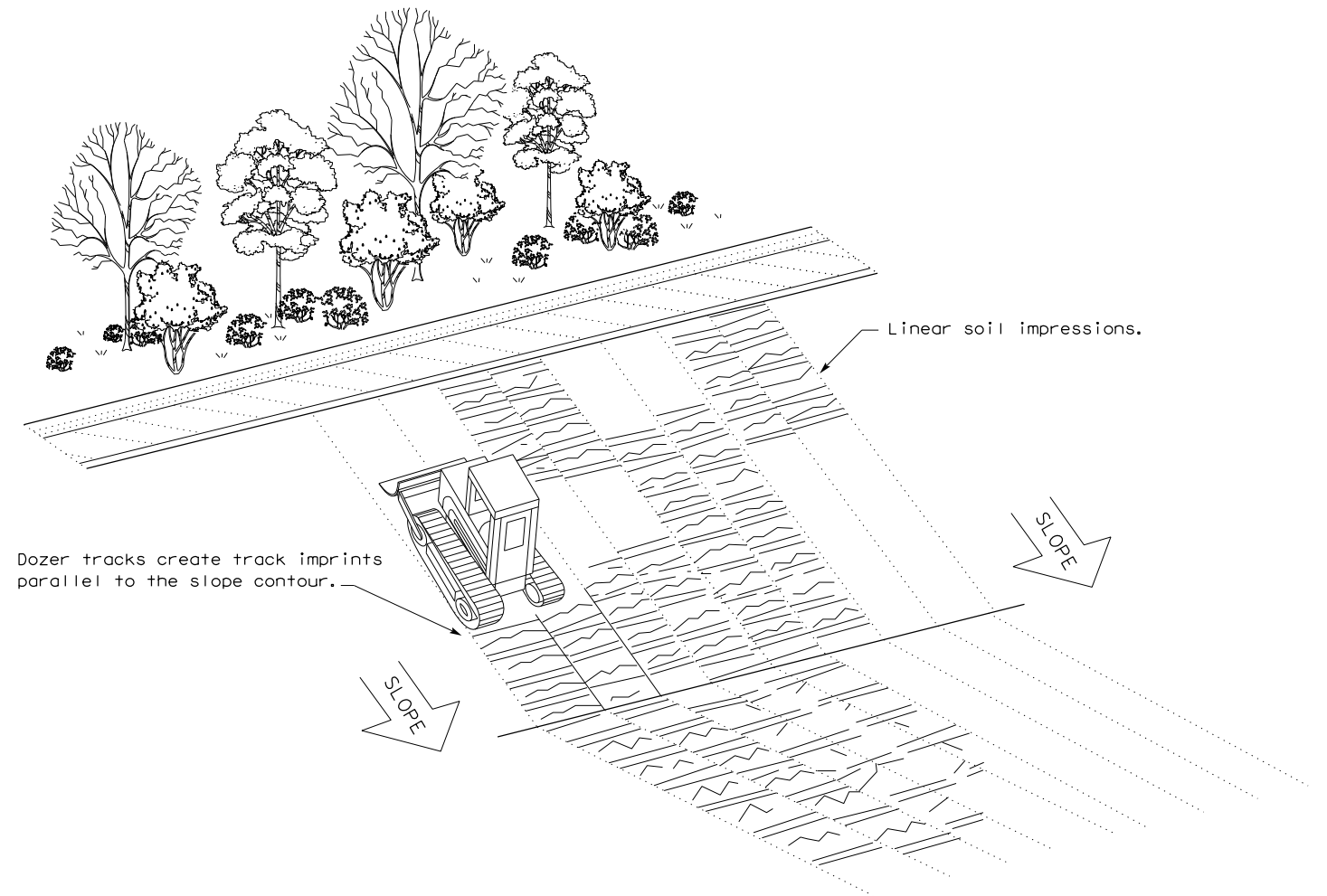
LEGEND

Sediment Control Fence

SCF

GENERAL NOTES

1. Vertical tracking is required on projects where soil distributing activities have occurred unless otherwise approved.
2. Perform vertical tracking on slopes to temporarily stabilize soil.
3. Provide equipment with a track undercarriage capable of producing linear soil impressions measuring a minimum of 12" in length by 2" to 4" in width by 1/2" to 2" in depth.
4. Do not exceed 12" between track impressions.
5. Install continuous linear track impressions where the minimum 12" length impressions are perpendicular to the slope or direction of water flow.



VERTICAL TRACKING

				Design Division Standard	
TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES FENCE & VERTICAL TRACKING EC(1)-16					
FILE: ec116	DN: TxDOT	CK: KM	DW: VP	DN/CK: LS	
© TxDOT: JULY 2016	CONT	SECT	JOB	HIGHWAY	
REVISIONS	0913	19	037	PW	
	DIST	COUNTY		SHEET NO.	
	YKM	CALHOUN		13	

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