



PORT OF PORT LAVACA - POINT COMFORT
 Providing Calhoun County Industries with Direct Deep-Draft Access to Global Markets
 2313 FM 1593 SOUTH P.O. BOX 397 POINT COMFORT, TEXAS 77978
 (361) 987-2813 FAX (361) 987-2189 2313
 WWW.calhounport.com

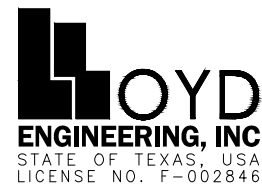
POINT COMFORT, TEXAS

CALHOUN PORT AUTHORITY

PROPOSED LEVEE - BEAN TRACT MITIGATION SITE

ISSUED FOR BIDDING

SEPTEMBER 2022



FILE NAME: I:\projects\port of calhoun county\bean tract wetland\GEO COVERING\FEAS COVER.dwg PLOTTED: 9/1/2022 10:01:19 AM USER: JESUS BENITEZ



VICINITY MAP



SITE PLAN

DRAWING INDEX	
SHEET NUMBER	SHEET TITLE
GENERAL	
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LIME SLURRY APPLICATION:

1. MINIMUM LIME CONTENT SHALL BE 5 PERCENT OF DRY UNIT WEIGHT OF SUBGRADE AS DETERMINED BY ASTM D 698.
2. CURE SOIL LIME MATERIAL FOR 24 TO 72 HOURS OR AS REQUIRED TO OBTAIN OPTIMUM HYDRATION. KEEP SUBGRADE MOIST DURING CURE.
3. MIX AND PULVERIZE UNTIL ALL MATERIAL PASSES 13/4-INCH SIEVE; MINIMUM OF 85 PERCENT, EXCLUDING NON-SLACKING FRACTIONS, PASSES 3/4-INCH SIEVE; AND MINIMUM OF 60 PERCENT EXCLUDING NON-SLACKING FRACTIONS PASSES NO. 4 SIEVE. TEST ACCORDING TO TXDOT TEX-101-E, PART III USING DRY METHOD.
4. DO NOT EXPOSE HYDRATED LIME TO OPEN AIR FOR 6 HOURS OR MORE DURING INTERVAL BETWEEN APPLICATION AND MIXING. AVOID EXCESSIVE HYDRATED LIME LOSS DUE TO WASHING OR BLOWING.

COMPACTION:

1. AERATE OR SPRINKLE TO ATTAIN OPTIMUM MOISTURE CONTENT TO 3 PERCENT ABOVE OPTIMUM, AS DETERMINED BY ASTM D 698 ON MATERIAL SAMPLE FROM ROADWAY AFTER FINAL MIX WITH LIME.
2. START COMPACTION IMMEDIATELY AFTER FINAL MIXING.
3. DO NOT ALLOW STABILIZED SUBGRADE TO MIX WITH UNDERLYING MATERIAL. CORRECT IRREGULARITIES OR WEAK SPOTS IMMEDIATELY BY REPLACING MATERIAL AND RECOMPACTING.
4. COMPACT SUBGRADE TO MINIMUM DENSITY OF 95 PERCENT OF MAXIMUM DRY DENSITY, ACCORDING TO ASTM D 698, AT MOISTURE CONTENT OF OPTIMUM TO 3 PERCENT ABOVE OPTIMUM, UNLESS OTHERWISE INDICATED ON DRAWINGS.
5. SEAL WITH APPROVED LIGHT PNEUMATIC TIRE ROLLERS. PREVENT SURFACE HAIR LINE CRACKING. REWORK AND RECOMPACT AT AREAS WHERE HAIRLINE CRACKING DEVELOP.

CURING:

1. MOIST CURE FOR MINIMUM OF 3 DAYS BEFORE PLACING BASE OR SURFACE COURSE, OR OPENING TO TRAFFIC. SUBGRADE MAY BE OPENED TO TRAFFIC AFTER 2 DAYS WHEN ADEQUATE STRENGTH HAS BEEN ATTAINED TO PREVENT DAMAGE. RESTRICT TRAFFIC TO LIGHT PNEUMATIC ROLLERS OR VEHICLES WEIGHING LESS THAN 10 TONS.
2. PLACE BASE OR SURFACE WITHIN 14 DAYS AFTER FINAL MIXING AND COMPACTION. RESTART COMPACTION AND MOISTURE CONTENT OF BASE MATERIAL WHEN TIME IS EXCEEDED.

Texas Registered Engineering Firm F-02846



Construction Management Design Dredge Inspections
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 6665 West Loop South Houston, Texas 77401 (832)426-4666

CALHOUN PORT AUTHORITY
 BEAN TRACT WETLAND

GENERAL NOTES
 2 OF 2

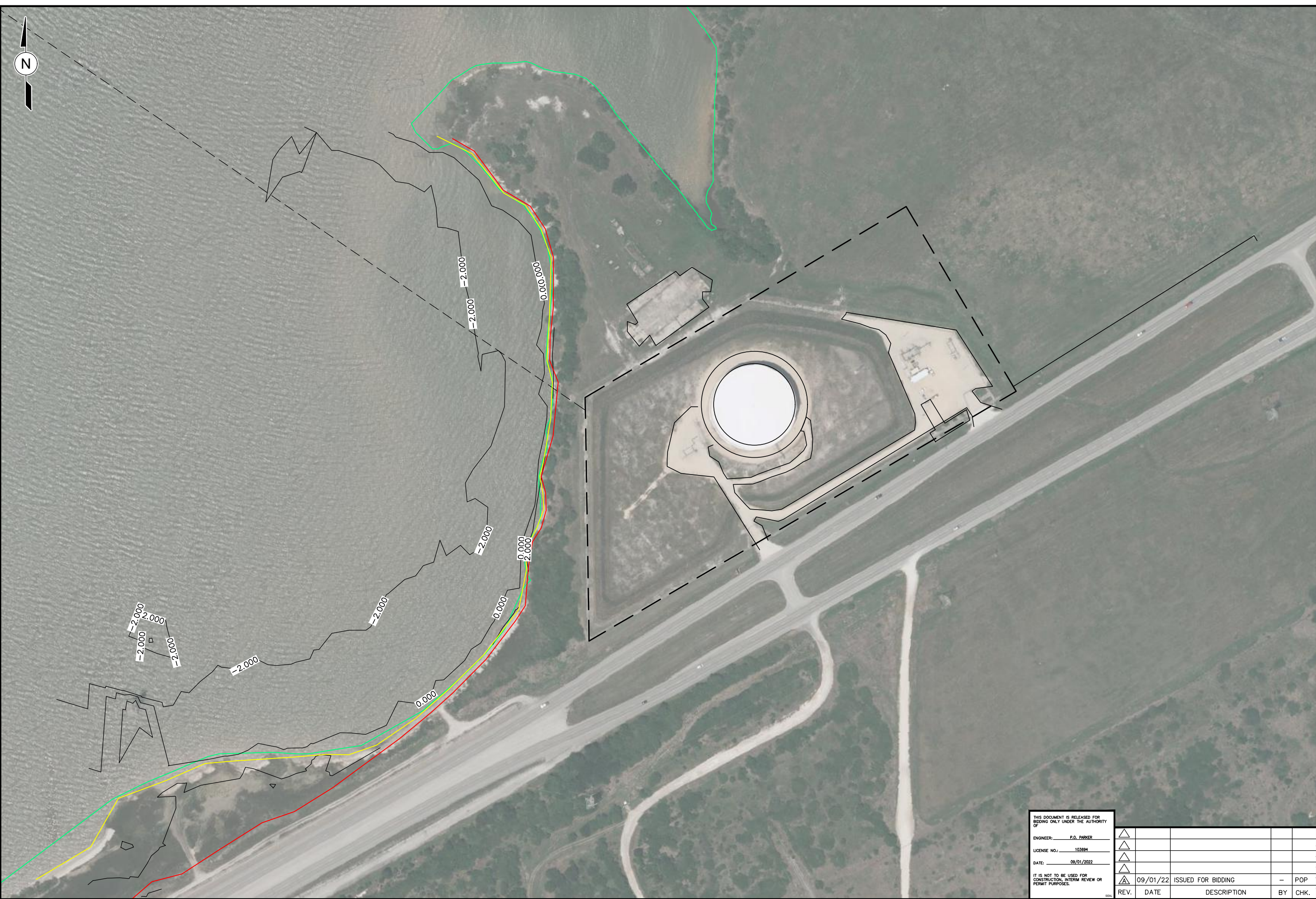


PORT OF PORT LAVACA - POINT COMFORT
 Providing Calhoun County Residents with Direct Deepwater Access to Great Harbors
 2315 FM 1583 SOUTH P.O. BOX 387 POINT COMFORT, TEXAS 77581
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REV.	DATE	DESCRIPTION	BY	CHK.

PROJECT NO.
 SCALE: AS NOTED
 DWN. BY: JB
 CHK. BY: POP
 DATE: 04-22-2021
 SHT. NO. G1.1



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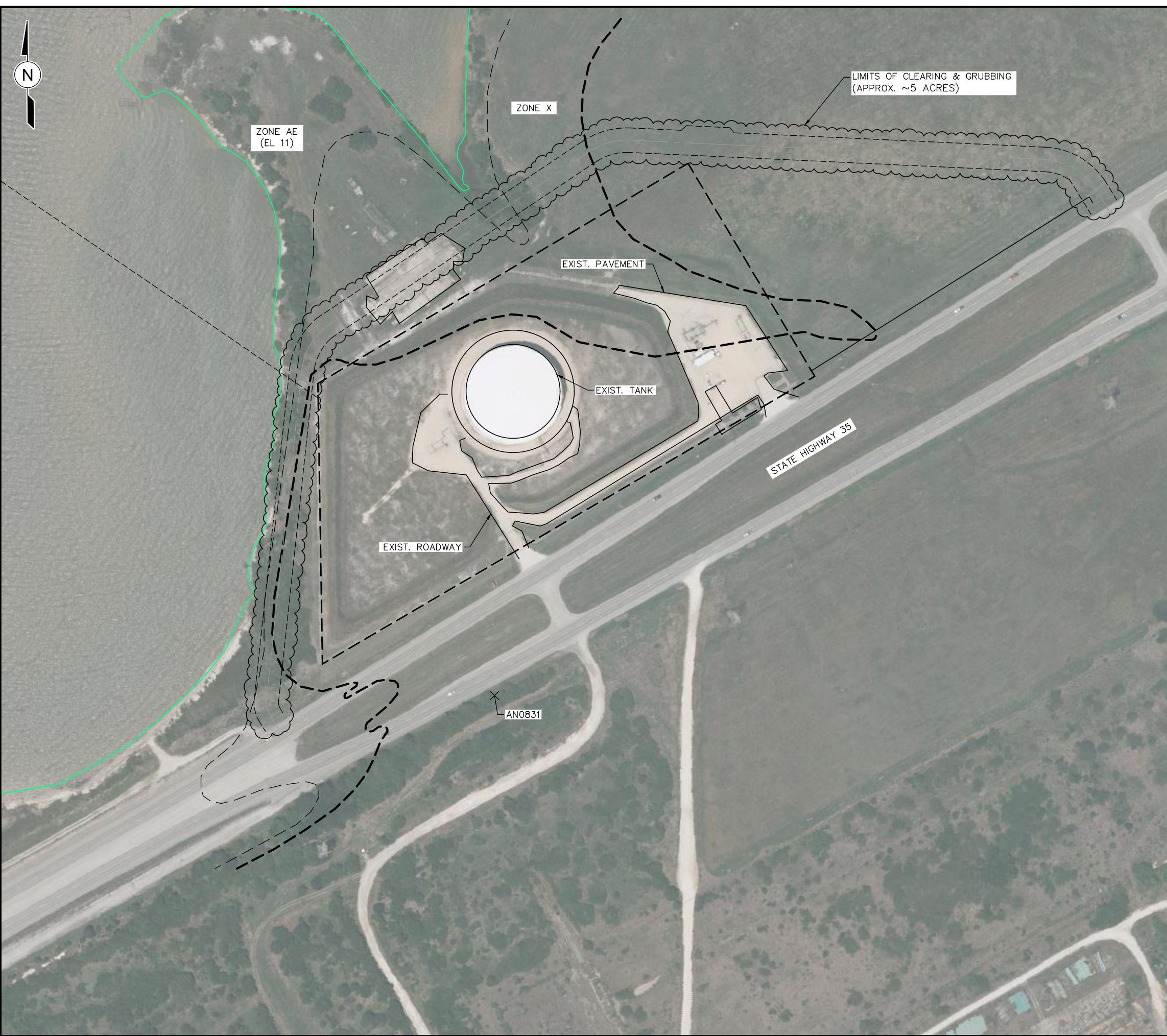
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SCALE:	AS NOTED
DWN. BY:	JB
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DATE:	04-22-2021
SHT. NO.	G1.2

PORT OF PORT LAVACA, POINT COMFORT
 PROVIDES CALHOUN COUNTY MARINERS AND VISITORS WITH DIRECT ACCESS TO GALVESTON MARINA
 2111 FM 1585, GALVESTON, TX 77550-1501, CALHOUN, TEXAS 77581
 (409) 687-2437 FAX (409) 687-4189-2111
 WWW.CALHOUPORT.COM

CALHOUN PORT AUTHORITY
 BEAN TRACT WETLAND
 EXISTING CONDITIONS

LOYD
 ENGINEERING, INC.
 Construction Management Design Dredge Inspections
 Owner's Engineer Permitting Assistance
 6565 West Loop South Houston, Texas 77401 (832) 426-4656

Texas Registered Engineering Firm F-02846



SURVEY NOTES:

1. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. SURVEYOR DID NOT ABSTRACT TITLE AND DOES NOT CERTIFY TO EASEMENTS OR RESTRICTIONS NOT SHOWN. CHECK WITH YOUR LOCAL GOVERNING AGENCIES FOR ANY ADDITIONAL EASEMENTS, BUILDING LINES OR OTHER RESTRICTIONS NOT REFLECTED ON RECORDED PLAT.
2. THIS SURVEY IS FOR TOPOGRAPHIC PURPOSES ONLY. THIS SURVEY IS NOT A BOUNDARY SURVEY AND SHALL NOT BE CONSTRUED AS SUCH.
3. ACCORDING TO MAP NO. 48057C0065 OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS FOR HARRIS COUNTY, TEXAS, WITH REVISED DATE OF OCTOBER 16, 2014, THE SUBJECT PROPERTY IS SITUATED IN: ZONE AE, SHADED ZONE X, AND UNSHADED ZONE X, AREAS TO BE DETERMINED TO BE INSIDE THE 1% ANNUAL CHANCE FLOODPLAIN (APPROXIMATE ELEVATION OF 11.0'), INSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AND OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
4. ALL ELEVATIONS SHOWN HEREON ARE BASED ON FEMA BENCHMARK AN0831, PUBLISHED ELEVATION OF XX.XX', NAVD 88, 2001 ADJ.
5. TBM A - BEING A SET 1/2" IRON ROD WITH CAP STAMPED "XXXX" LOCATED APPROXIMATELY FOR SUBJECT TRACT, AS SHOWN HEREON.
ELEVATION - XX.XX FEET, NAVD 88, 2001 ADJUSTMENT

CLEARING & GRUBBING NOTES:

1. CONTRACTOR TO REMOVE ALL TREES, SHRUBBERY INCLUDING ROOT BALLS, AND TOP 3" OF TOP SOIL FROM DESIGNATED AREA.
2. THE CONTRACTOR IS REQUIRED TO REMOVE FROM THE JOB SITE AND DISPOSE OF ALL TRASH, EXCESS MATERIALS, ETC., ACCUMULATED AS A RESULT OF AND DURING THIS WORK IN COMPLIANCE WITH CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.
3. AT SUCH TIME AS DIRECTED BY THE OWNER, THE CONTRACTOR SHALL REMOVE ANY DEBRIS, TRASH OR EXCESS MATERIAL OFF THE SITE. HE SHALL MAKE EVERY EFFORT TO KEEP THE SITE IN A NEAT, PRESENTABLE CONDITION, AT ALL TIMES. AFTER THE CONSTRUCTION WORK HAS BEEN COMPLETED, THE CONTRACTOR SHALL REMOVE ALL DEBRIS, TRASH, EXCESS MATERIALS, FORMS, STAKES, EMPTY SACKS ETC. FROM THE SITE AND LEAVE THE SITE WITH A NEAT APPEARANCE. ALL EXCESS EXCAVATED MATERIAL SHALL BE HAULED OFF THE SITE.

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**CALHOUN PORT AUTHORITY
 BEAN TRACT WETLAND
 CLEARING AND GRUBBING
 SITE PLAN**

PORT OF PORT LAVACA, POINT CONROE
 Provides Calhoun County Residents with Direct Access to Coastal Markets
 201 FM 1583 Bayport, TX 77521 (409) 646-6000 (FAX) (409) 646-6011
 www.calhounport.com



PROJECT NO.	
SCALE:	SITE PLAN
DWN. BY:	JB
CHK. BY:	POP
DATE:	04-22-2021
SHT. NO.	C1.0



NOTE:
1. SWALE AND ROADWAY FINAL DESIGN PENDING TOPOGRAPHIC DATA.

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TEXAS REGISTERED ENGINEERING FIRM F-02846

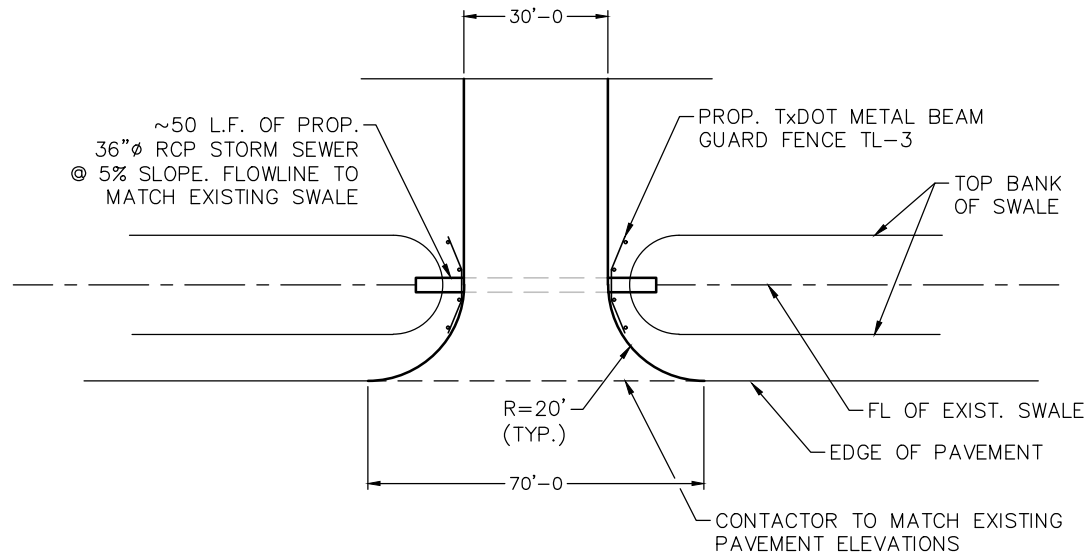
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 Owner's Engineer Permitting Assistance
 6565 West Loop South Houston, Texas 77401 (832)426-4656

CALHOUN PORT AUTHORITY
 BEAN TRACT WETLAND
 PROPOSED ROADWAY
 SITE PLAN

POINT OF PORT LAVACA, POINT CONROFT
 PROVIDES CALHOUN COUNTY MARINERS AND TRUCKS WITH DIRECT ACCESS TO GALVESTON MARINA
 2115 FM 1585, SUITE 100, PORT LAVACA, TEXAS 77961
 (832) 847-4181 FAX (832) 847-4182
 WWW.CALHOUNPORT.COM

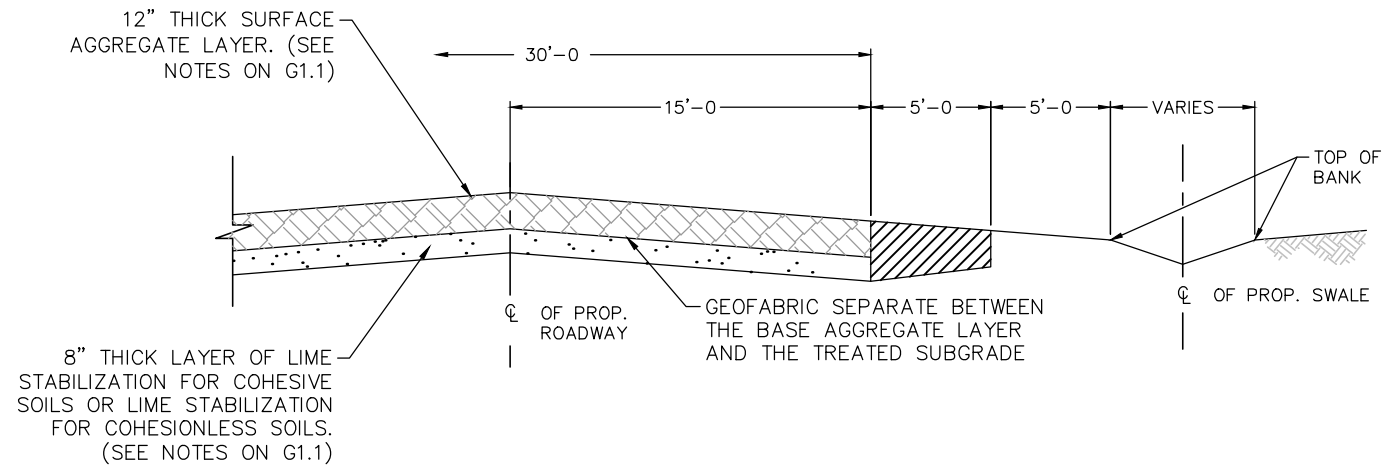


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 SHT. NO. C1.1



1 TYPICAL DRIVEWAY PLAN
C1.1 SCALE= HORZ 1:20, VERT 1:2

NOTES:
 CONTRACTOR TO SUBMIT INSTALLATION PLAN OF CULVERT TO PORT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
 CULVERT TO BE INSTALLED PER TxDOT STANDARDS.



TYPICAL ROADWAY SECTION
 N.T.S.

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 TYPICAL ROAD DETAILS

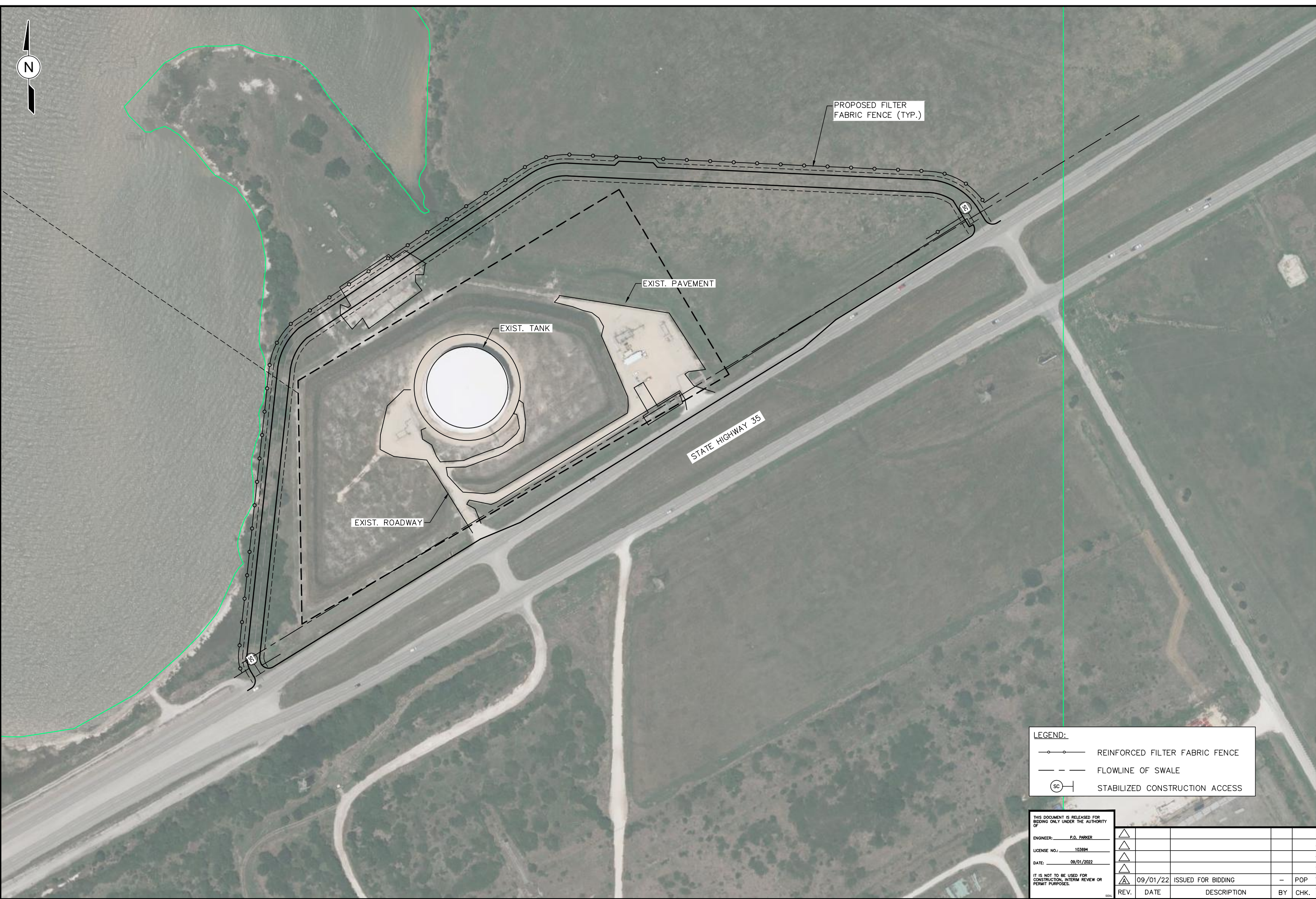
PORT OF PORT LAVACA, POINT CONROFT
 Provides Calhoun County with water and stormwater control, access to local markets
 2101 FM 1583 Baytown, TX 77656-1501 (409) 681-4800 FAX (409) 681-4801
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PROPOSED FILTER FABRIC FENCE (TYP.)

EXIST. PAVEMENT

EXIST. TANK

STATE HIGHWAY 35

EXIST. ROADWAY

LEGEND:

	REINFORCED FILTER FABRIC FENCE
	FLOWLINE OF SWALE
	STABILIZED CONSTRUCTION ACCESS

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CALHOUN PORT AUTHORITY
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STORM WATER POLLUTION PREVENTION PLAN

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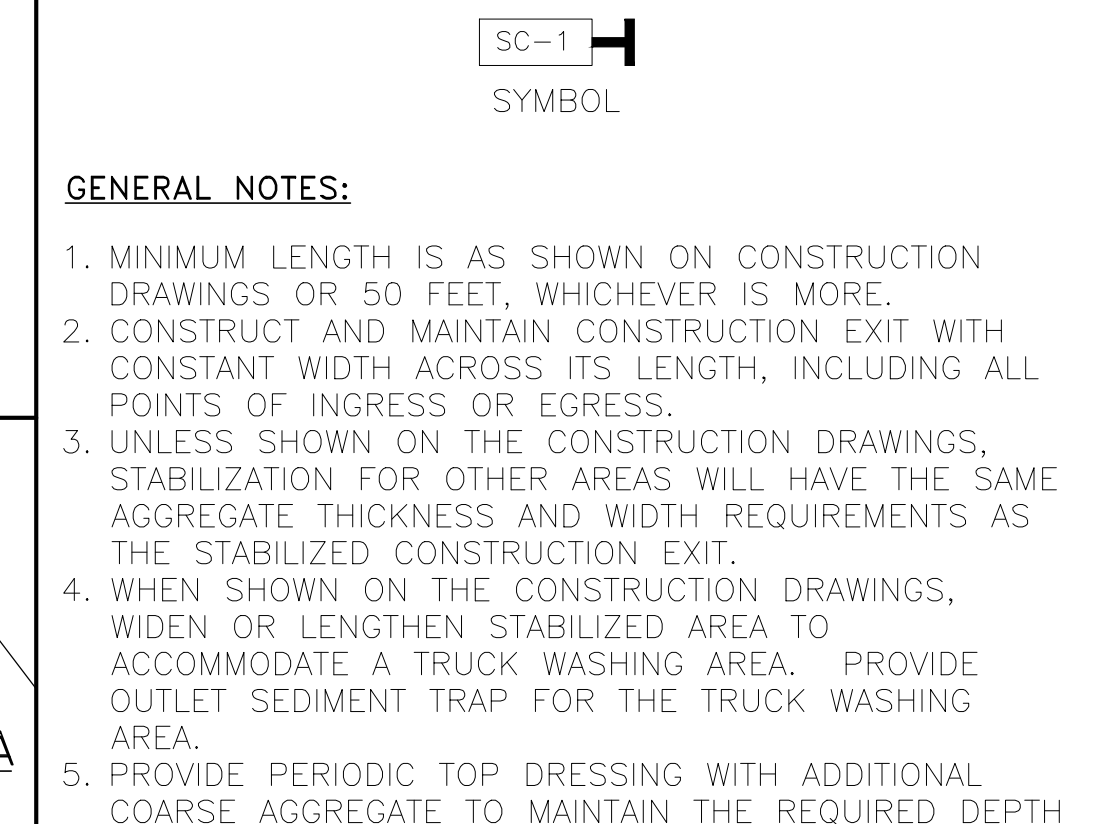
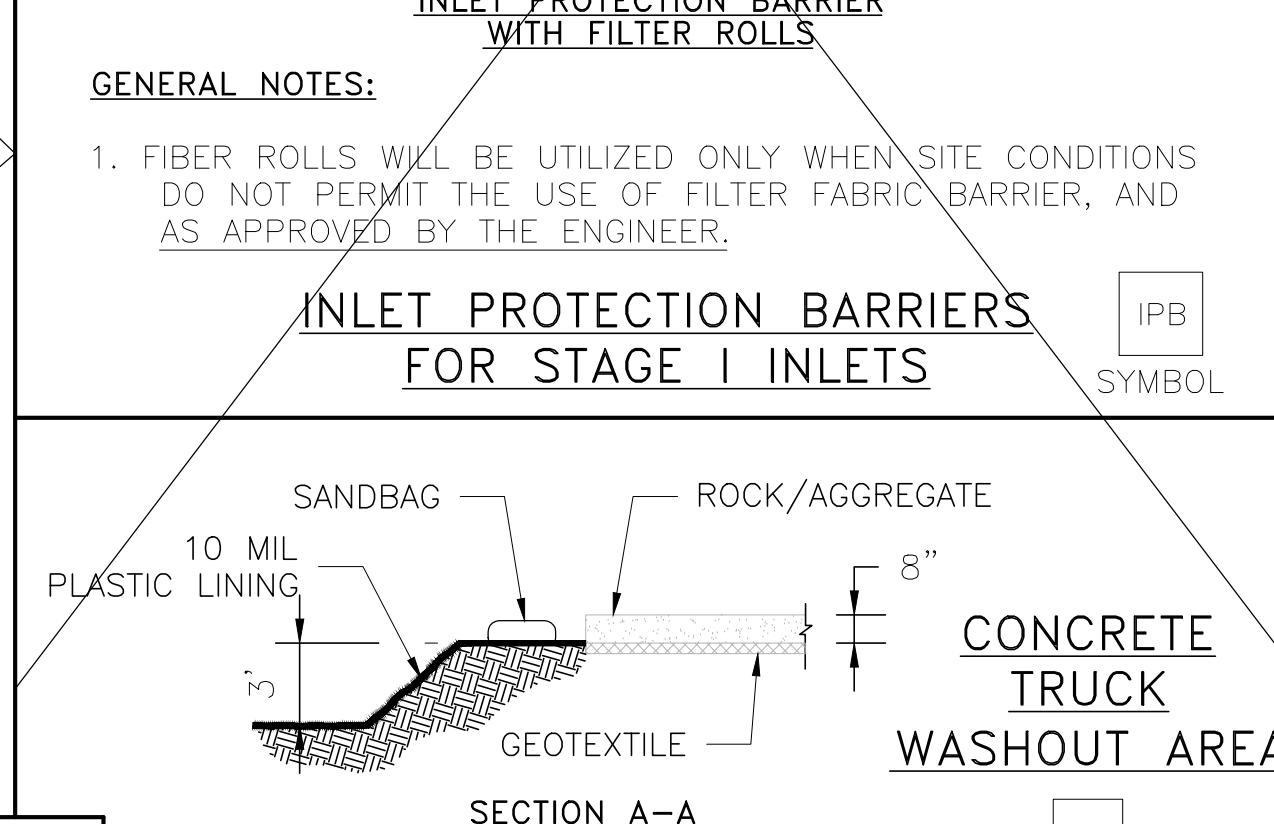
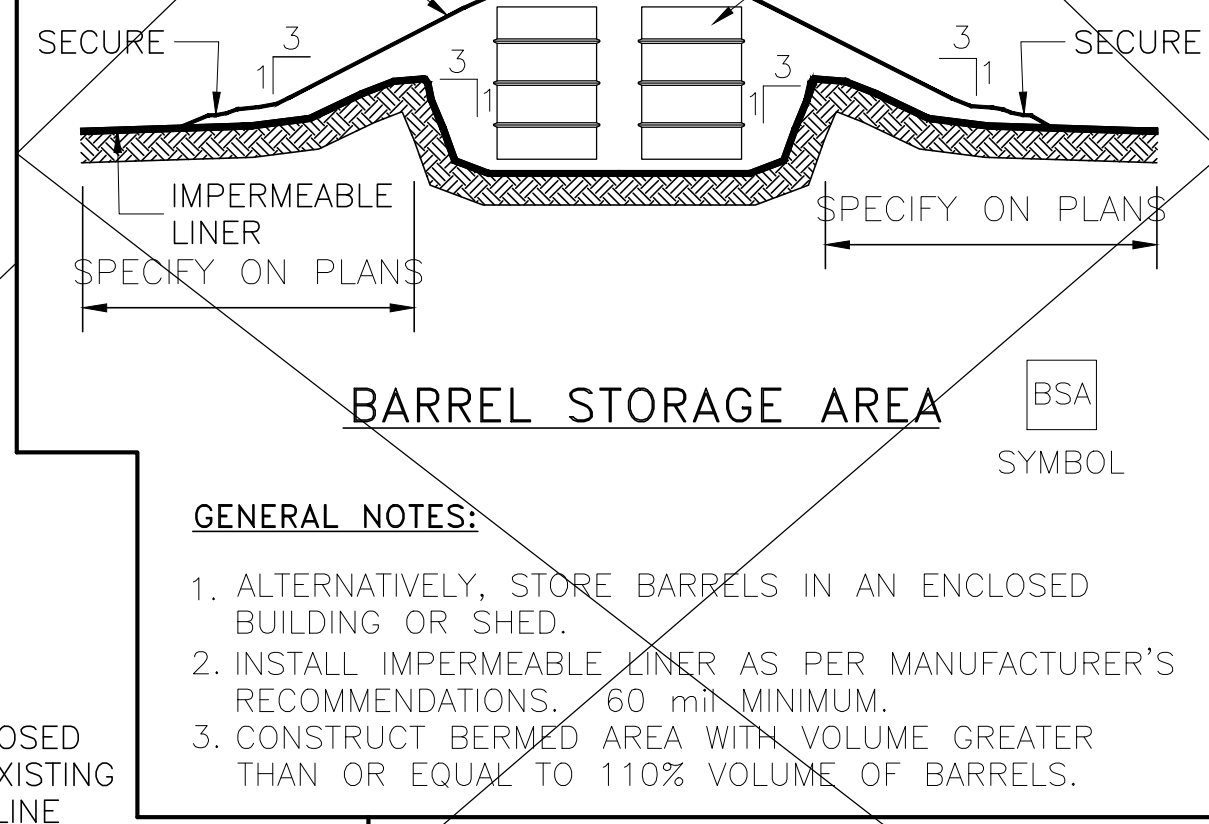
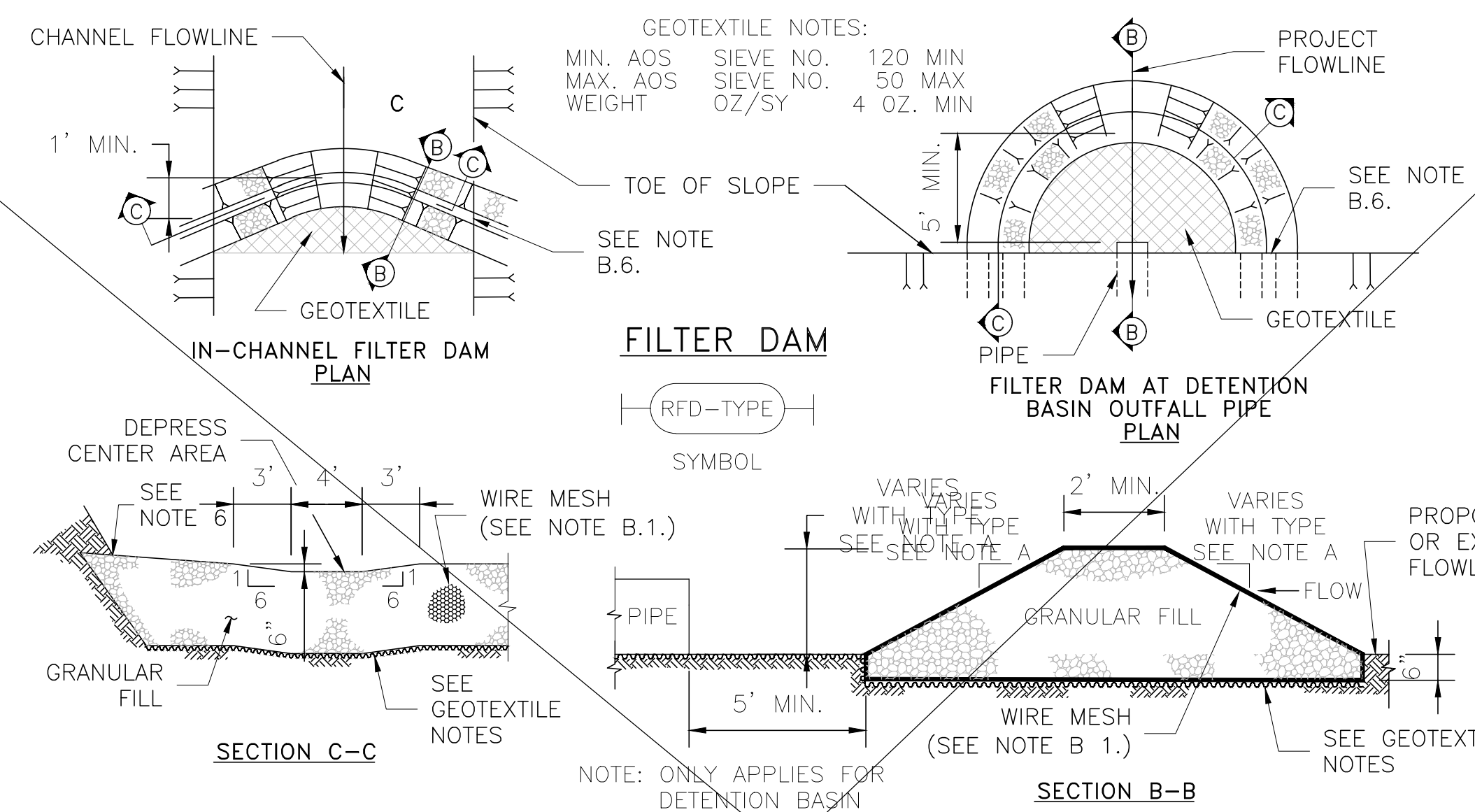
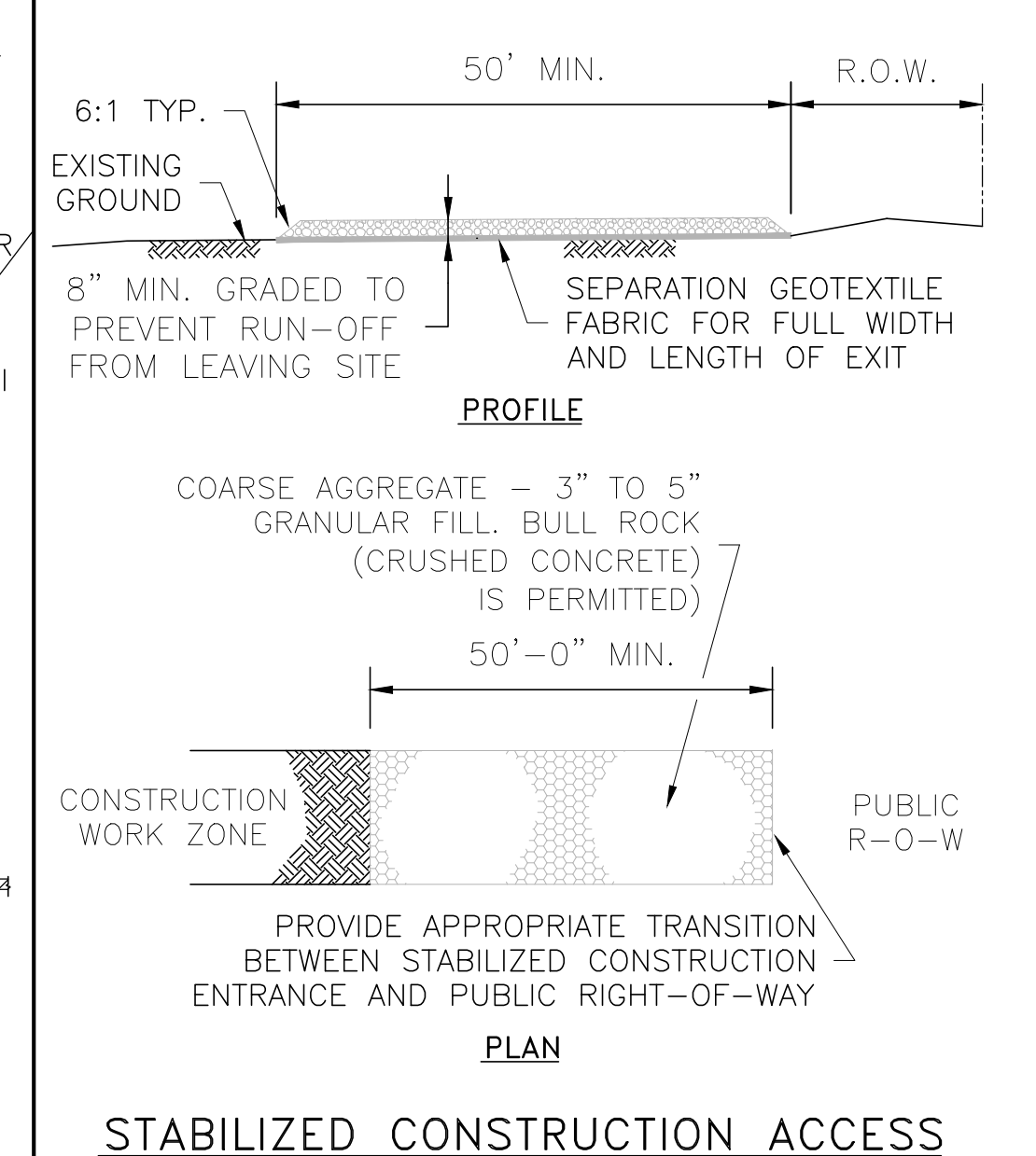
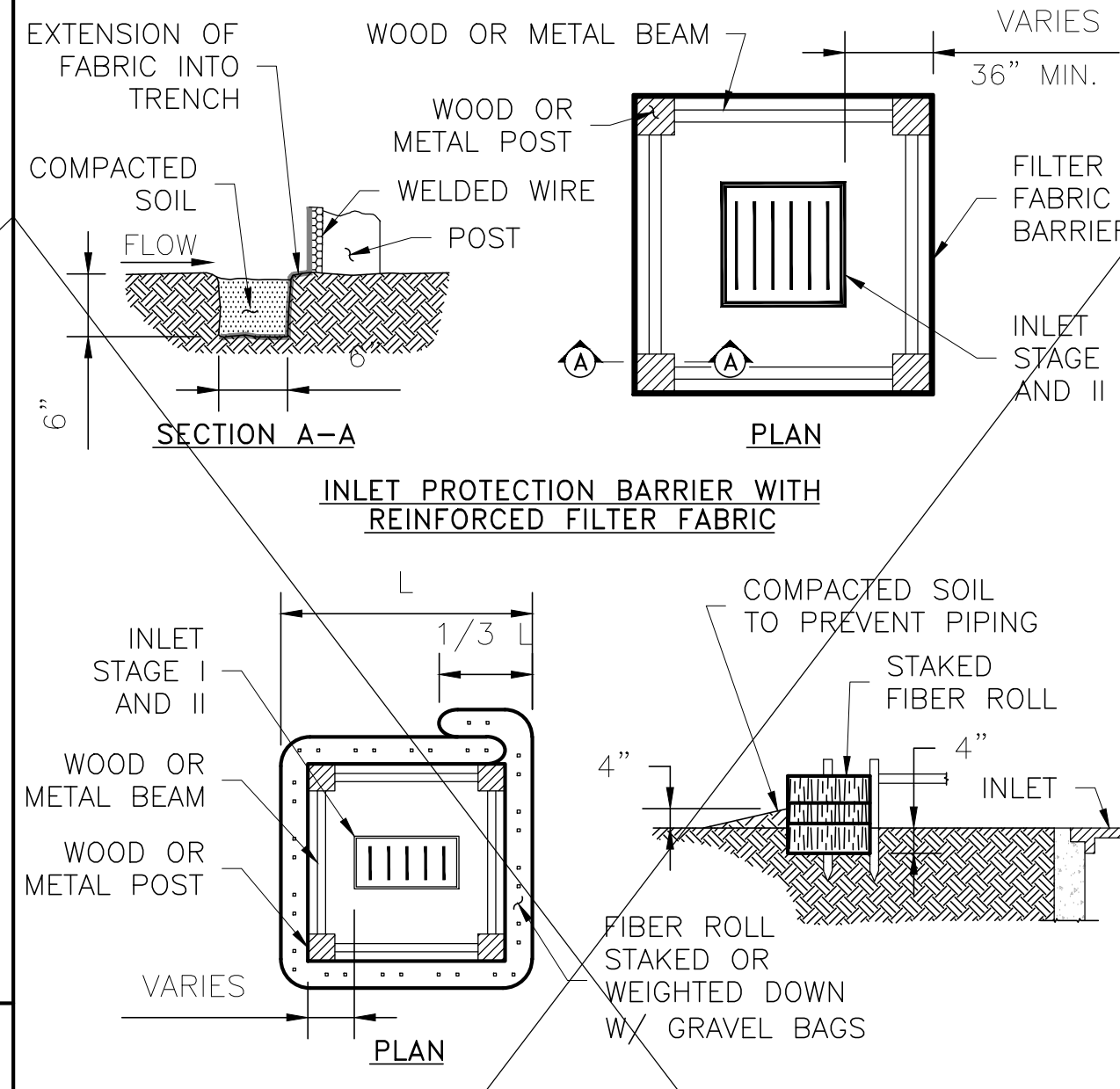
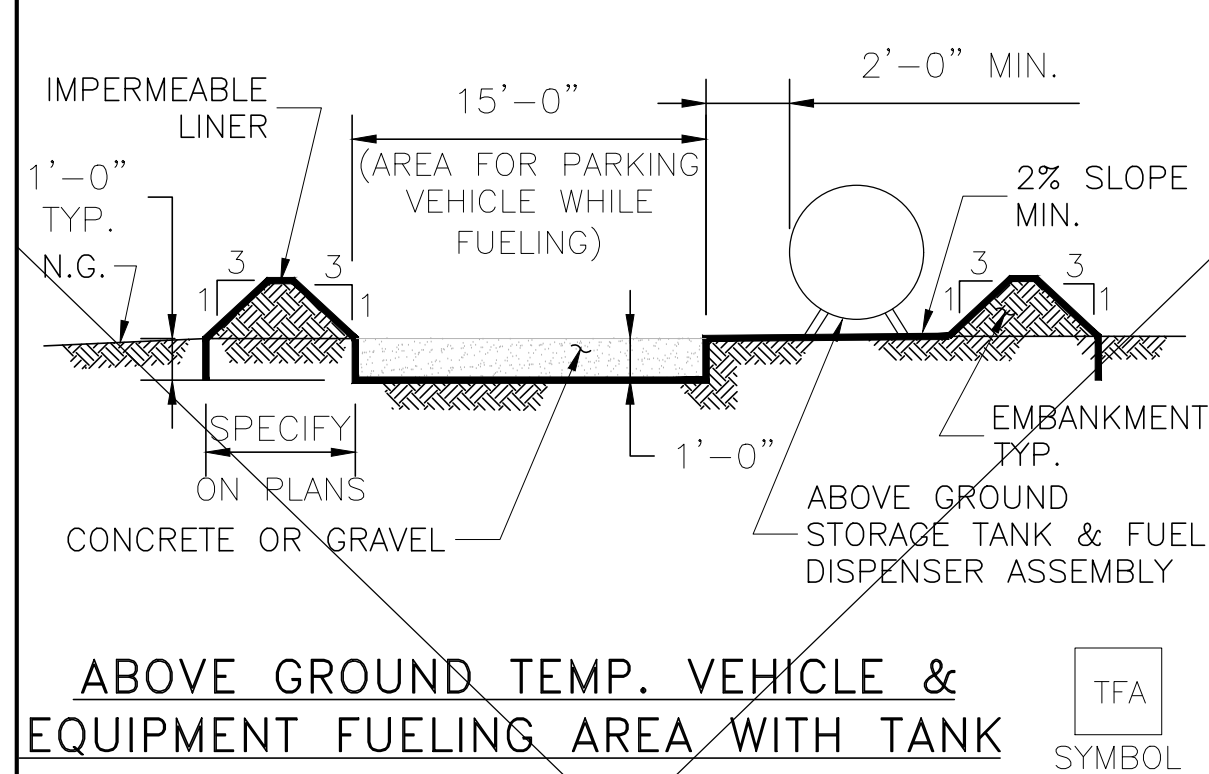
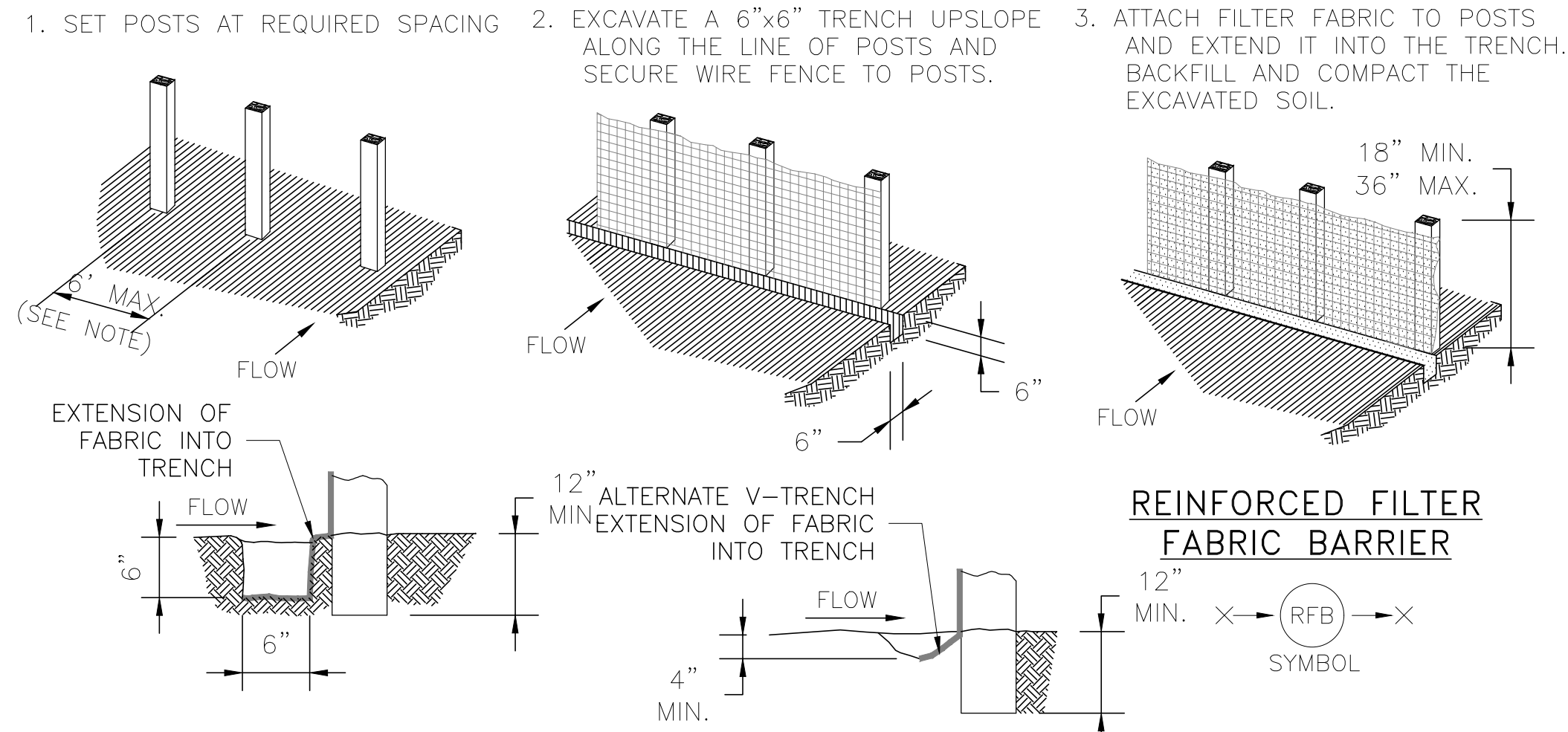
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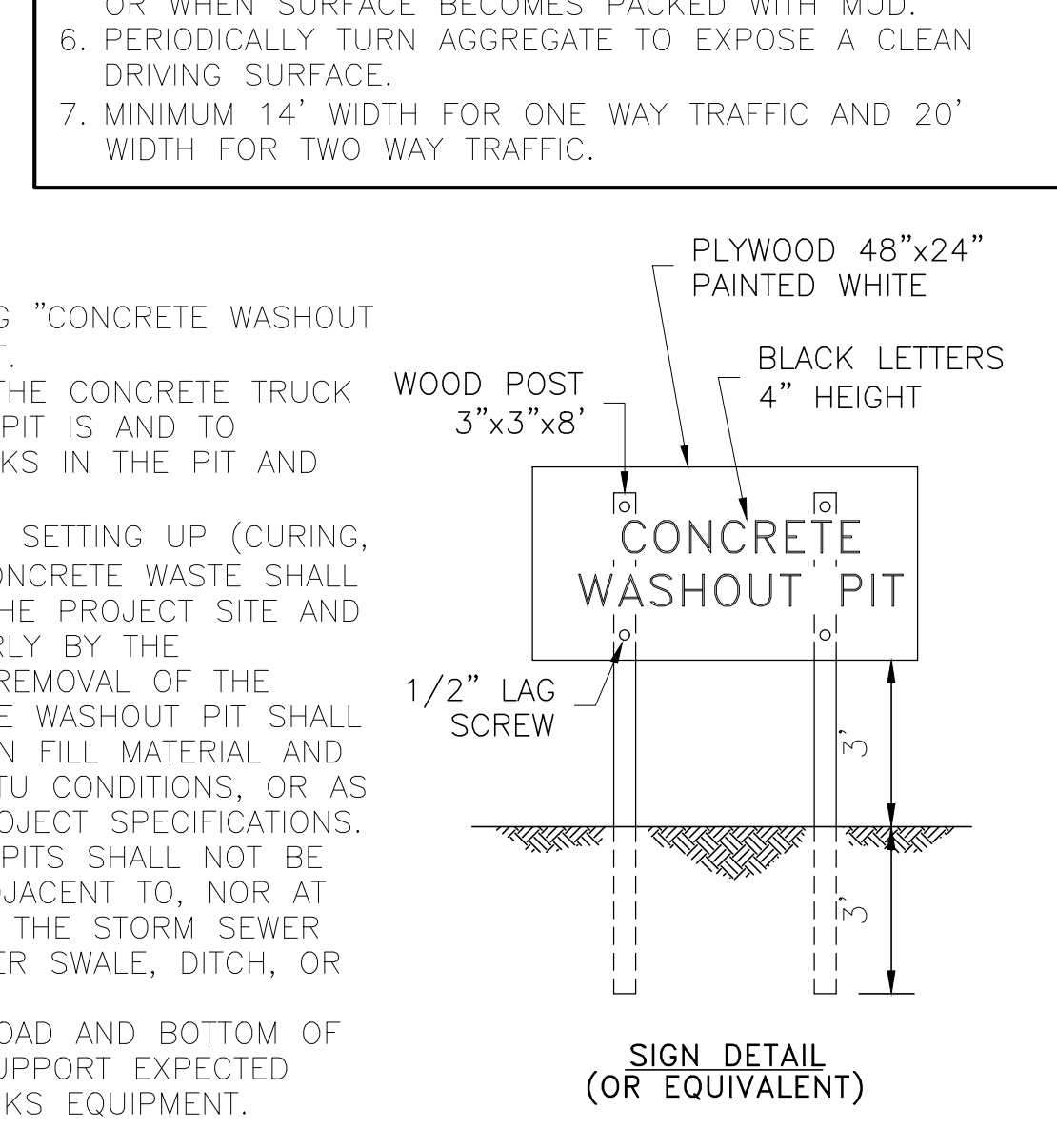
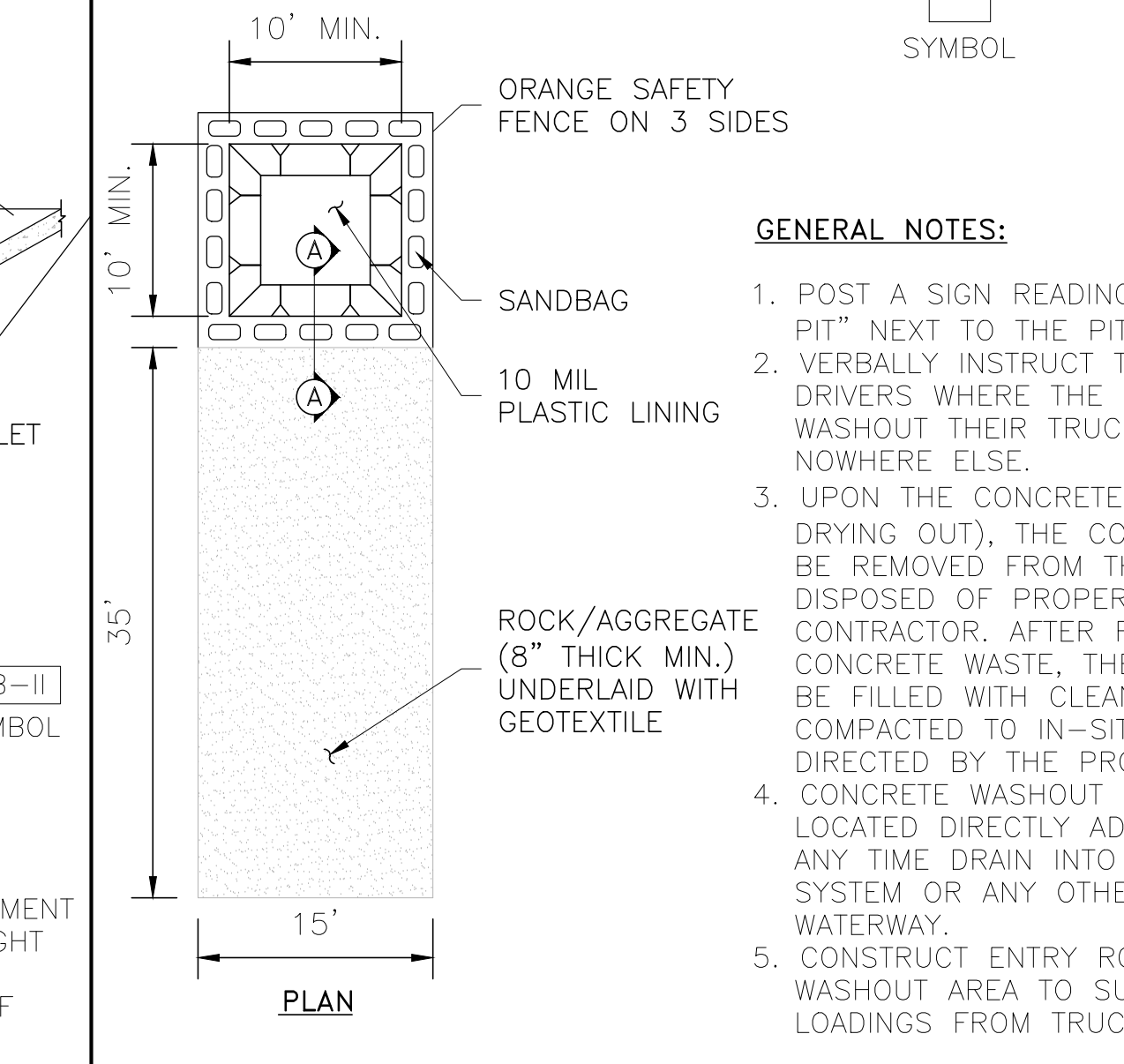
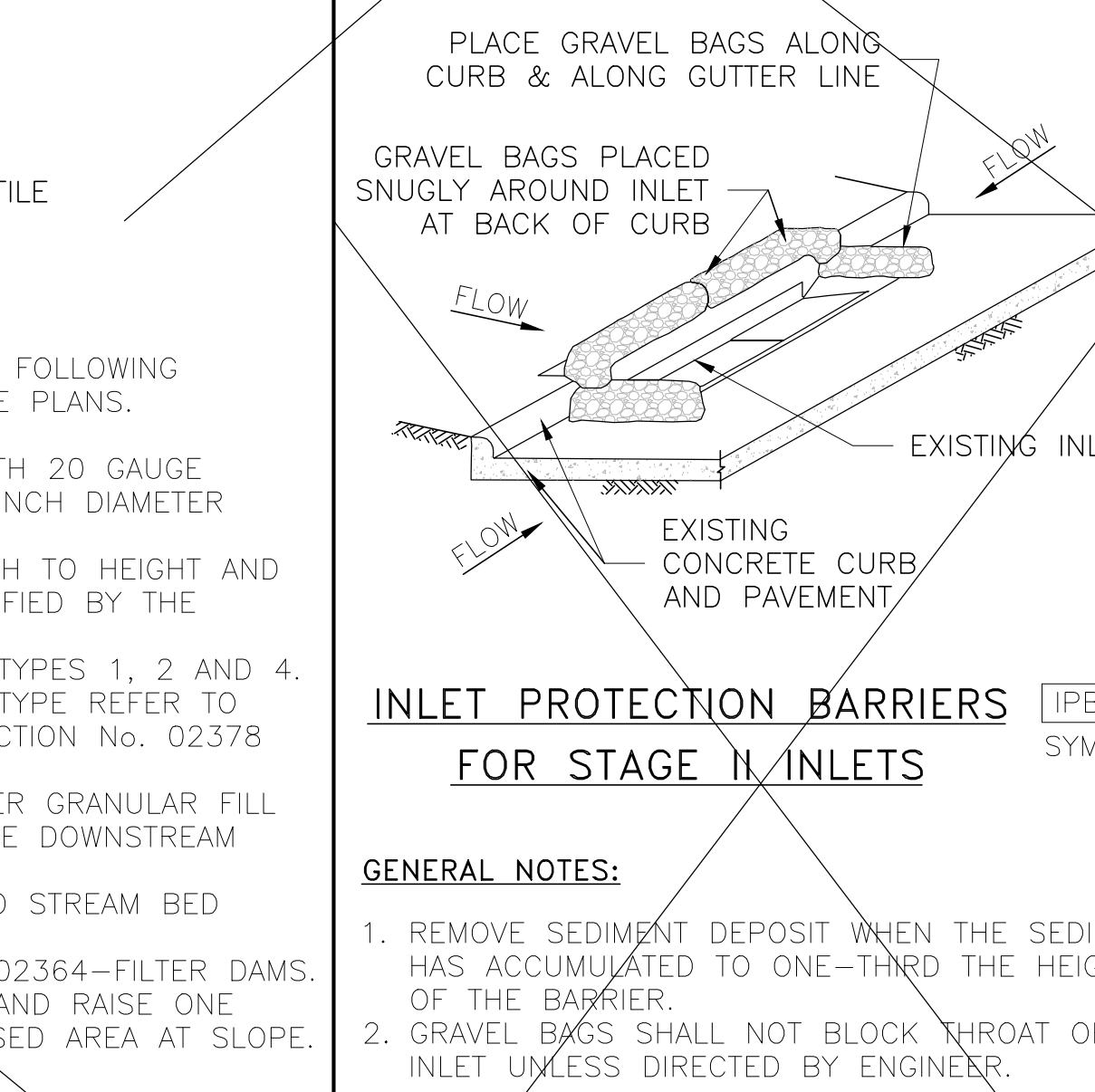
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SHT. NO. C1.3

PORT OF PORT LAVACA, POINT COMFORT
 Provides Calhoun County Residents with Direct, Convenient Access to Coastal Markets
 2111 FM 1581, Bayport, TX 77521 (409) 647-6000 (TOLL FREE) (409) 647-7318
 (409) 647-3431 FAX (409) 647-4188 (409) 647-4189
 WWW.PORTCOMFORT.COM



- A. TYPES OF FILTER DAMS
1. TYPE 1 (NON-REINFORCED)
 - a. HEIGHT - 18-24 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 - b. TOP WIDTH - 2 FEET (MINIMUM)
 - c. SLOPES - 2:1 (MAXIMUM).
 2. TYPE 2 (REINFORCED)
 - a. HEIGHT - 18-36 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 - b. TOP WIDTH - 2 FEET (MINIMUM).
 - c. SLOPES - 2:1 (MAXIMUM).
 3. TYPE 3 (REINFORCED)
 - a. HEIGHT - 36-48 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 - b. TOP WIDTH - 2 FEET (MINIMUM).
 - c. SLOPES - 3:1 (MAXIMUM).
 4. TYPE 4 (GABION)
 - a. HEIGHT - 30 INCHES (MINIMUM). MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 - b. TOP WIDTH - 2 FEET (MINIMUM).
 5. TYPE 5. AS SHOWN ON THE PLANS.
- B. CONSTRUCT FILTER DAMS ACCORDING TO THE FOLLOWING CRITERIA UNLESS SHOWN OTHERWISE ON THE PLANS.
1. TYPE 2 AND 3 FILTER DAMS: SECURE WITH 20 GAUGE GALVANIZED WOVEN WIRE MESH WITH 1 INCH DIAMETER HEXAGONAL OPENINGS.
 2. PLACE GRANULAR FILL ON THE WIRE MESH TO HEIGHT AND SLOPES SHOWN ON PLANS OR AS SPECIFIED BY THE ENGINEER.
 - a. 3-5 INCHES FOR ROCK FILTER DAM TYPES 1, 2 AND 4.
 - b. 4-8 INCHES FOR ROCK FILTER DAM TYPE REFER TO GRANULAR FILL IN SPECIFICATION SECTION No. 02378 RIPRAP AND GRANULAR FILL.
 3. FOLD WIRE MESH AT UPSTREAM SIDE OVER GRANULAR FILL AND TIGHTLY SECURED TO ITSELF ON THE DOWNSTREAM SIDE USING WIRE TIES OR HOG RINGS.
 4. IN STREAMS: SECURE OR STAKE MESH TO STREAM BED PRIOR TO AGGREGATE PLACEMENT.
 5. SEE HCFCD SPECIFICATION SECTION NO. 02364-FILTER DAMS.
 6. EMBED ONE FOOT MINIMUM INTO SLOPE AND RAISE ONE FOOT HIGHER THAN CENTER OF DEPRESSED AREA AT SLOPE.



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PORT OF PORT LAVACA - POINT COMFORT
Providing Calhoun County Residents with Direct Deep Water Access to Global Markets
2015th 15th SOUTH P.O. BOX 387 POINT COMFORT, TEXAS 77781
(409) 842-2301 FAX (409) 842-2188 2313
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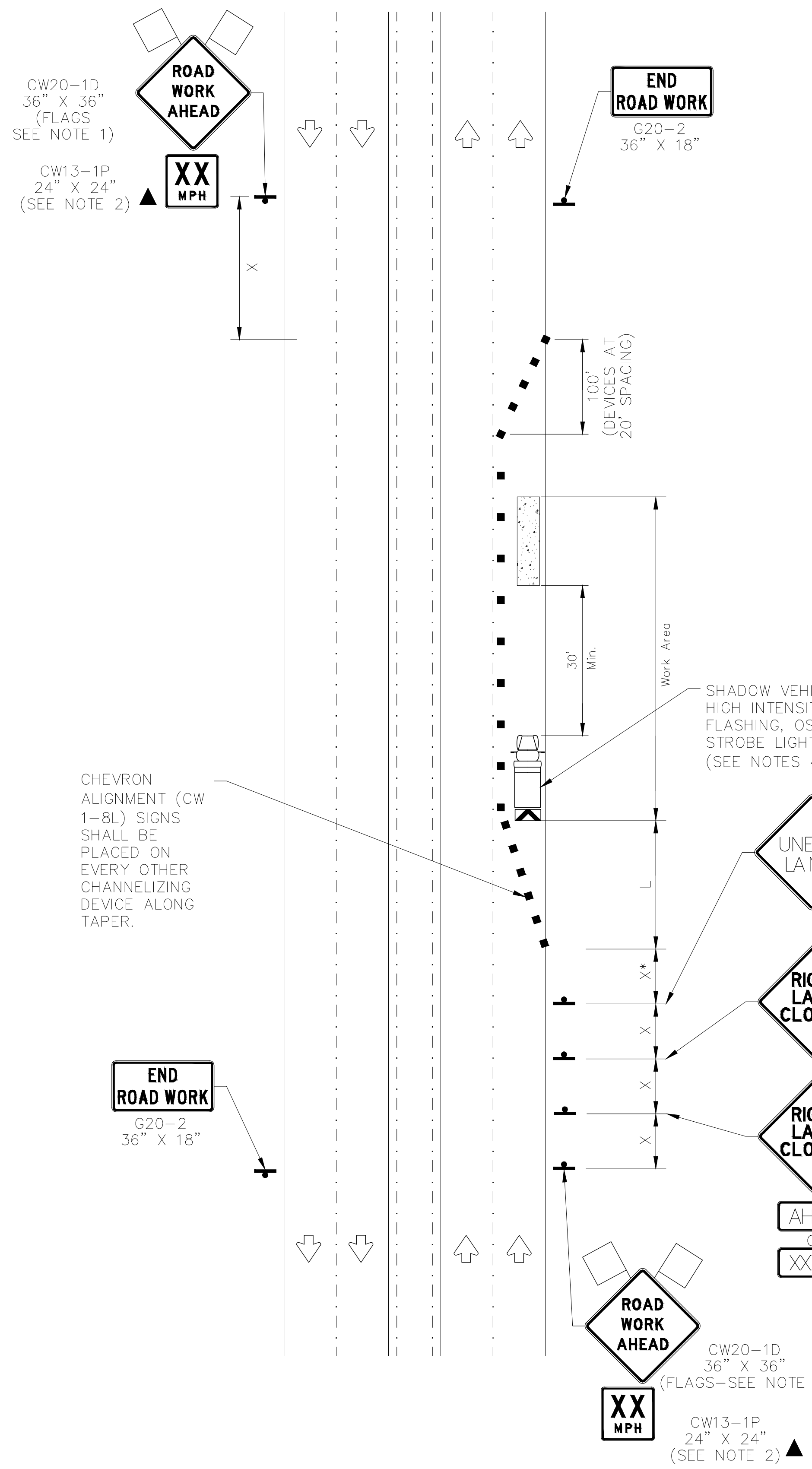
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BEAN TRACT WETLAND

STORM WATER POLLUTION PREVENTION DETAILS

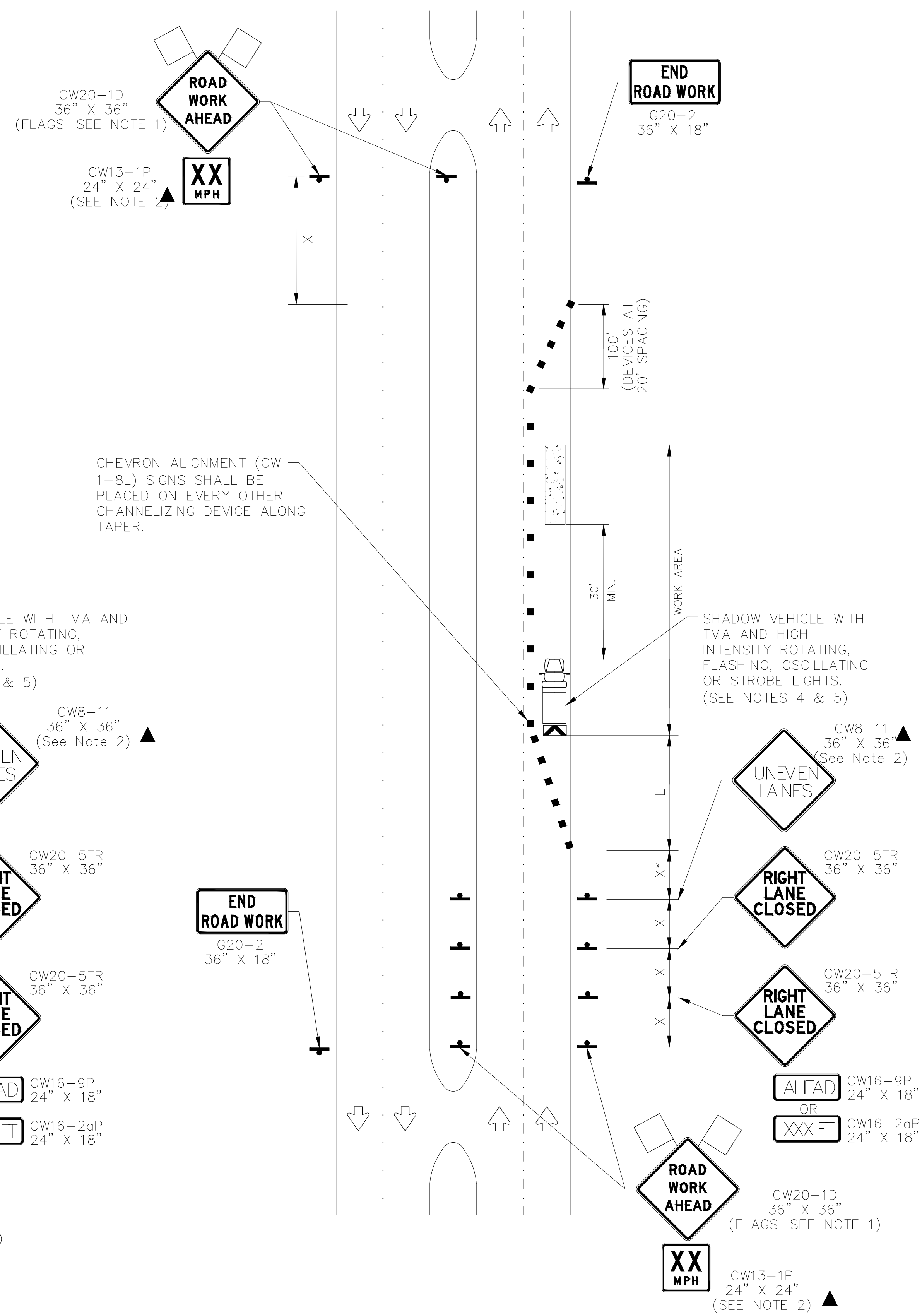
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ENGINEERING, INC.

Construction Management Design Dredge Inspections
Owner's Engineer Permitting Assistance
6565 West Loop South Houston, Texas 77401 (832)426-4666



RIGHT LANE CLOSURE (5 LANE ROAD)



RIGHT LANE CLOSURE (4 LANE BOULEVARD ROAD)

LEGEND			
	BARRICADE		CHANNELIZING DEVICES
	HEAVY WORK VEHICLE		TRUCK MOUNTED ATTENUATOR (TMA)
	TRAILER MOUNTED FLASHING ARROW BOARD		PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
	SIGN		TRAFFIC FLOW
	FLAG		FLAGGER

POSTED SPEED *	FORMULA	MINIMUM DESIRABLE TAPER LENGTHS "L"			SUGGESTED MAXIMUM SPACING OF CHANNELIZING DEVICES		MINIMUM SIGN SPACING "X" DISTANCE	SUGGESTED LONGITUDINAL BUFFER SPACE "B"
		10' OFFSET	11' OFFSET	12' OFFSET	ON A TAPER	ON A TANGENT		
30	L = WS/60	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L = WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70	700'	770'	840'	70'	140'	800'	475'	
75	750'	825'	900'	75'	150'	900'	540'	

* CONVENTIONAL ROADS ONLY
 ** TAPER LENGTHS HAVE BEEN ROUNDED OFF.
 L=LENGTH OF TAPER(FT) W=WIDTH OF OFFSET(FT) S=POSTED SPEED(MPH)

GENERAL NOTES

1. FLAGS ATTACHED TO SIGNS WHERE SHOWN ARE OPTIONAL.
2. ALL TRAFFIC CONTROL DEVICES ILLUSTRATED ARE REQUIRED, EXCEPT THOSE DENOTED WITH THE TRIANGLE SYMBOL ARE OPTIONAL.
3. A SHADOW VEHICLE WITH A TMA SHOULD BE USED ANYTIME IT CAN BE POSITIONED 30 TO 100 FEET IN ADVANCE OF THE AREA OF CREW EXPOSURE WITHOUT ADVERSELY AFFECTING THE PERFORMANCE OR QUALITY OF THE WORK. IF WORKERS ARE NO LONGER PRESENT BUT ROAD OR WORK CONDITIONS REQUIRE THE TRAFFIC CONTROL TO REMAIN IN PLACE, BARRICADES OR OTHER CHANNELIZING DEVICES MAY BE SUBSTITUTED FOR THE SHADOW VEHICLE AND TMA.
4. ADDITIONAL SHADOW VEHICLES WITH TMAS MAY BE POSITIONED OFF THE PAVED SURFACE, NEXT TO THOSE SHOWN IN ORDER TO PROTECT WIDER WORK SPACES.
5. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD - LATEST EDITION WITH REVISIONS) DURING CONSTRUCTION.
6. OFF DUTY POLICE OFFICERS/FLAGGERS ARE REQUIRED TO DIRECT TRAFFIC WHEN APPLICABLE.

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 Construction Management Design Dredge Inspections
 Owner's Engineer Permitting Assistance
 6565 West Loop South Houston, Texas 77011 (832)426-4666

CALHOUN PORT AUTHORITY
 BEAN TRACT WETLAND
 TRAFFIC CONTROL PLAN

PORT OF PORT LAVACA - POINT COMFORT
 Providing Calhoun County Residents with Direct, Deep-Draft Access to Global Markets
 2313 FM 1553 SOUTH, P.O. BOX 387 POINT COMFORT, TEXAS 77781
 (817) 882-2831 FAX (817) 882-2188 2313
 www.portofport.com

CALHOUN Port Authority
 POINT COMFORT, TEXAS - U.S.A.

PROJECT NO.
 SCALE: AS NOTED
 DWN. BY: JB
 CHK. BY: POP
 DATE: 04-22-2021
 SHT. NO. C1.5



PROP. ARMORED LEVEE WITH
ARTICULATED CONCRETE MAT APPROX.
1,655 LINEAR FT +5.0 FT NAVD 88

PROP. ~2,500 LF
ROADWAY & SWALE

PROP. CIRCULATION CHANNELS
-2.0 TO -3.0 NAVD 88.
20-FT TOP WIDTH

CONTRACTOR TO PROVIDE
ACCESS FROM ROADWAY TO
BERM ACCESS. AT COMPLETION
OF CONSTRUCTION, RESTORE
AREA TO ORIGINAL CONDITION.

CONTRACTOR TO PROVIDE
ACCESS FROM ROADWAY TO
BERM ACCESS. AT COMPLETION
OF CONSTRUCTION, RESTORE
AREA TO ORIGINAL CONDITION.

PROP. LEVEE APPROX. 1,100 LINEAR FT
+2.0 FT TO +3.0 FT NAVD 88

VOLUMES:
LEVEE CUT 43,000 Cu. Yd.

THIS DOCUMENT IS RELEASED FOR
BIDDING ONLY UNDER THE AUTHORITY OF
THE STATE OF TEXAS
ENGINEER: P.O. PARKER
LICENSE NO.: 103894
DATE: 09/01/2022
IT IS NOT TO BE USED FOR
CONSTRUCTION, INTERIM REVIEW OR
PERMIT PURPOSES.

△					
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△	09/01/22	ISSUED FOR BIDDING	-	POP	
REV.	DATE	DESCRIPTION	BY	CHK.	

PROJECT NO.	
SCALE:	AS NOTED
DWN. BY:	JB
CHK. BY:	POP
DATE:	04-22-2021
SHT. NO.	C2.0

Texas Registered Engineering Firm F-02846
LOYD
ENGINEERING, INC.
Construction Management Design Dredge Inspections
Owner's Engineer Permitting Assistance
6565 West Loop South Houston, Texas 77401 (832)426-4656

CALHOUN PORT AUTHORITY
BEAN TRACT WETLAND
PERMANENT LEVEE
SITE PLAN

PORT OF PORT LAVACA, POINT COMFORT
Provides Calhoun County Residents with Direct Online Access to Critical Marine
2019 P.O. 1581 (04/2019) S.A. 001 001 001 001 001 TEXAS 77081
(832) 487-3431 FAX (832) 487-4188 2011
www.portofport.com





PROP. ARMORED LEVEE WITH
ARTICULATED CONCRETE MAT APPROX.
1,655 LINEAR FT +5.0 FT NAVD 88

PROP. ~2,605 LF
ROADWAY & SWALE

72485 SQ. F.T

5735 SQ. F.T

N: 13436057.57
E: 2747301.24

N: 13435996.57
E: 2747480.28

1835 SQ. F.T

N: 13435984.21
E: 2747408.34

284786 SQ. F.T.

PROP. CIRCULATION CHANNELS
-2.0 TO -3.0 NAVD 88.
20-FT TOP WIDTH

N: 13435882.51
E: 2747357.49

66171 SQ. F.T.

8158 SQ. F.T

N: 13435766.20
E: 2747317.53

4468 SQ. F.T

PROP. LEVEE APPROX. 1,100 LINEAR FT
+2.0 FT TO +3.0 FT NAVD 88

LEGEND:

- HIGH MARSH AREA EL. +2.00' TO +3.00'
- LOW MARSH AREA EL. +0.50' TO +1.65'
- LEVEE EL. +5.00'
- LEVEE EL. +3.00'

ESTIMATED APPROXIMATE NEATLINE VOLUMES:

HIGH MARSH AREA EL. +2.00' TO +3.00'	10,000 Cu.Yd.
LOW MARSH AREA EL. +0.50' TO +1.65'	60,000 Cu.Yd.
LEVEE EL. +5.00'	12,000 Cu.Yd.
LEVEE EL. +3.00'	6,500 Cu.Yd.
TOTAL =	88,500 Cu.Yd.

NOTE:
PER PROPOSAL REQUIREMENTS, CONTRACTOR TO PROVIDE DETERMINATION FOR MATERIAL NEEDED FOR CONSTRUCTION. THE VOLUMES PROVIDED ARE NEATLINE ESTIMATES ONLY AND ARE NOT TO BE USED AS A BASIS FOR BIDDING.

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REV.	DATE	DESCRIPTION	BY	CHK.
△	09/01/22	ISSUED FOR BIDDING	-	POP

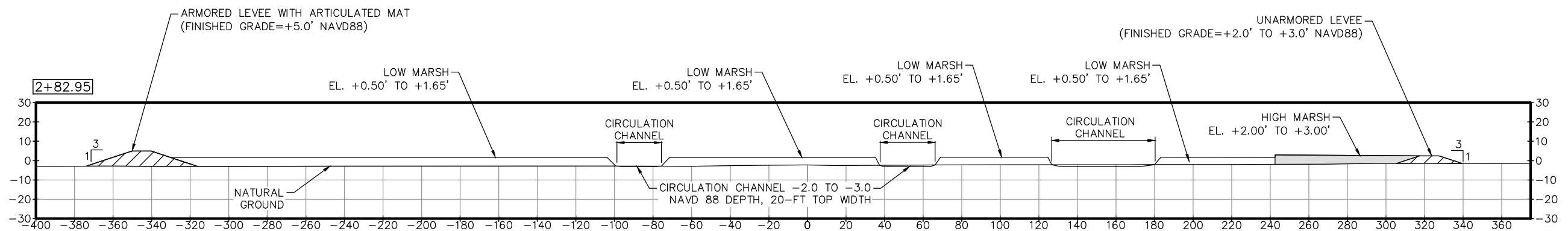
PROJECT NO.	
SCALE:	AS NOTED
DWN. BY:	JB
CHK. BY:	POP
DATE:	04-22-2021
SHT. NO.	C3.0

Texas Registered Engineering Firm F-02846

LOYD ENGINEERING, INC.
Construction Management Design Dredge Inspections
Permitting Assistance
Owner's Engineer
6565 West Loop South Houston, Texas 77401 (832)426-4656

**CALHOUN PORT AUTHORITY
BEAN TRACT WETLAND
PLACEMENT AREA
SITE PLAN**

PORT OF PORT LAVACA, POINT CONROE
Providing Calhoun County Residents with Direct and Indirect Access to Coastal Marshes
2019 PM 1581 04/20/19 S.A. 800.541.5414 CONTRACT TEXAS 7708
(800)817-8371 FAX (800)817-4188-2011
www.calhounport.com



A
C2.0 TYPICAL OVERALL CROSS SECTION

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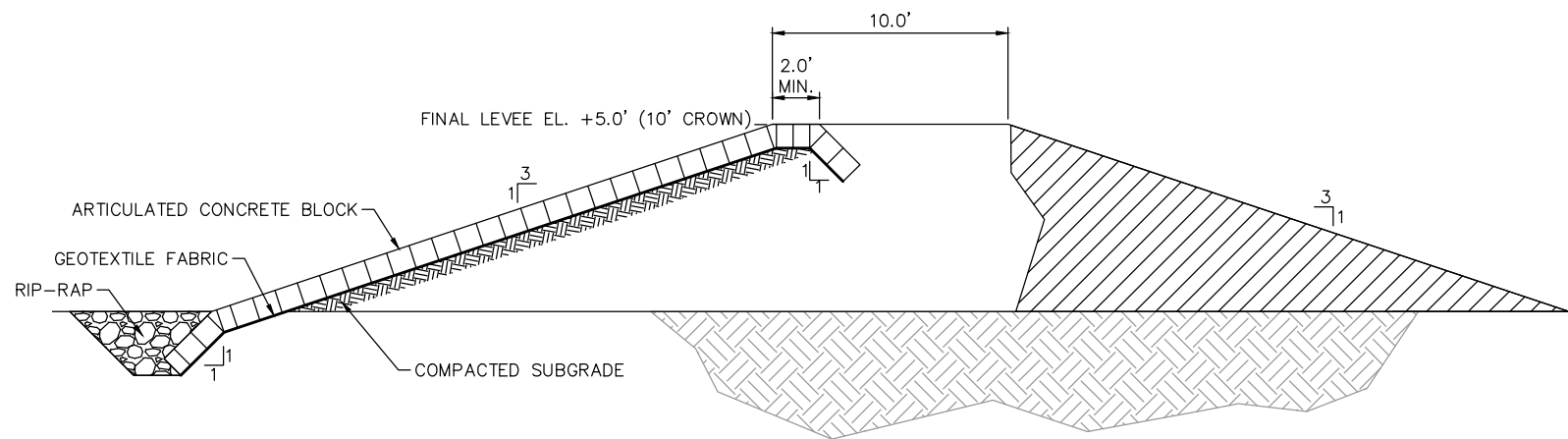
REV.	DATE	DESCRIPTION	BY	CHK.
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PROJECT NO.
 SCALE: AS NOTED
 DWN. BY: JB
 CHK. BY: POP
 DATE: 04-22-2021
 SHT. NO. C3.1

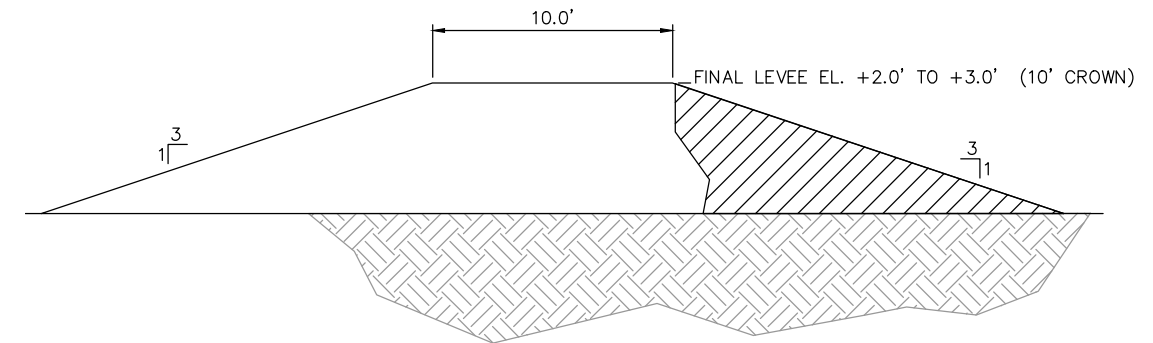
LOYD ENGINEERING, INC.
 Texas Registered Engineering Firm F-02846
 Construction Management Design Dredge Inspections
 Owner's Engineer Permitting Assistance
 6565 West Loop South Houston, Texas 77401 (832)26-4656

CALHOUN PORT AUTHORITY
 BEAN TRACT WETLAND
 TYPICAL OVERALL SECTION

PORT OF PORT LAVACA, POINT COMFORT
 PROVIDES CALHOUN COUNTY MARSHES AND TRACTS FOR BIDDING TO LOCAL MARSHES
 2101 FM 1583 BAYTOWN, TX 77520 (409) 847-4200 FAX (409) 847-4201
 WWW.PORPORT.COM



A PERMANENT ARMORED LEVEE TYPICAL SECTION DETAIL
SCALE: 1:4



A PERMANENT UNARMORED LEVEE TYPICAL SECTION DETAIL
SCALE: 1:4

HORIZONTAL AND VERTICAL CONTROL:

- COORDINATES SHOWN ARE STATE PLANE GRID, TEXAS SOUTH ZONE, NAVD 1988 DATUM IN U.S. FEET.
- ALL ELEVATIONS SHOWN REFER TO MLLW, MEAN LOWER LOW WATER DATUM, UNLESS NOTED OTHERWISE.

GENERAL NOTES:

- REMOVE AND DISPOSAL OF ALL DEBRIS FROM THE SLOPE AREA PRIOR TO PLACING THE NEW STONE.
- CONTRACTOR TO SUBMIT CROSS SECTION AFTER THE WORK IS FINISHED TO ENGINEERS & OWNERS FOR APPROVAL.

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 DATE: 09/01/2022
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△	09/01/22	ISSUED FOR BIDDING	-	POP	
REV.	DATE	DESCRIPTION	BY	CHK.	

Texas Registered Engineering Firm F-02846
LOYD
 ENGINEERING, INC.
 Construction Management Design Dredge Inspections
 Owner's Engineer Permitting Assistance
 6565 West Loop South Houston, Texas 77401 (832)426-4656

CALHOUN PORT AUTHORITY
 BEAN TRACT WETLAND
 TYPICAL CROSS SECTION
 DETAILS

PORT OF PORT LAVACA, POINT COMFORT
 PROVIDES CALHOUN COUNTY MARINERS AND FISHERMEN WITH FREE ACCESS TO LOCAL MARINERS
 2101 FM 1583 BAYTOWN, TX 77520 (281) 438-1000
 (800) 847-8475 FAX (281) 438-4180
 WWW.CALHOUNPORT.COM



PROJECT NO.
 SCALE: AS NOTED
 DWN. BY: JB
 CHK. BY: POP
 DATE: 04-22-2021
 SHT. NO. C3.2



Texas Registered Engineering Firm F-02846

LOYD
ENGINEERING, INC.

Construction Management Design Dredge Inspections
Owner's Engineer Permitting Assistance

6565 West Loop South Houston, Texas 77401 (832)426-4656

CALHOUN PORT AUTHORITY
BEAN TRACT WETLAND
BORROW AREA
SITE LAYOUT

PORT OF PORT LAVACA, POINT CONROFT
Providing Calhoun County Residents with Direct Access to the Gulf of Mexico

2111 FM 1583, Bayport, TX 77521 (409) 647-4200 (TX) (409) 647-4201
(409) 647-4201 FAX (409) 647-4201
www.portofport.com

CALHOUN
Port Authority
POINT CONROFT, TEXAS USA

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ENGINEER: P.O. PARKER
LICENSE NO.: 103894
DATE: 09/01/2022

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REV.	DATE	DESCRIPTION	BY	CHK.
△				
△				
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△	09/01/22	ISSUED FOR BIDDING	-	POP

PROJECT NO.	
SCALE:	AS NOTED
DWN. BY:	JB
CHK. BY:	POP
DATE:	04-22-2021
SHT. NO.	C3.3