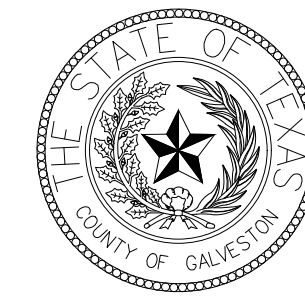


GALVESTON COUNTY
 GALVESTON COUNTY ENGINEERING DEPARTMENT

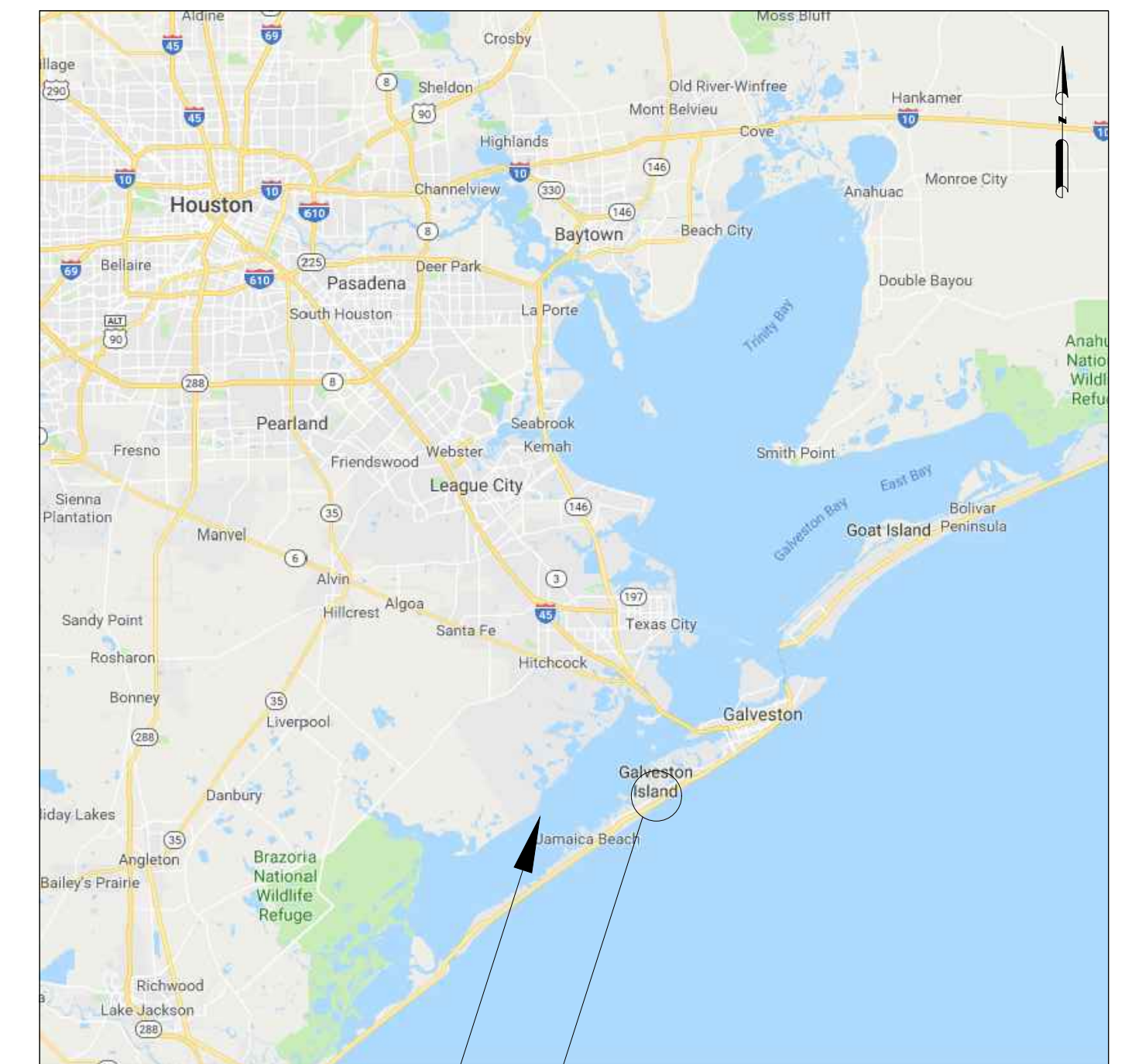
PLANS OF PROPOSED
 COUNTY IMPROVEMENTS



GALVESTON COUNTY BEACH POCKET PARK No.2
 TDLR PROJECT NO. TABS 2020002608

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	BOUNDARY AND TOPOGRAPHIC SURVEY
3	DUNE PROTECTION MITIGATION AND GRADING PLAN
4	SITE PLAN
5	SITE IMPROVEMENTS PLAN
6	PROPOSED GRADING PLAN
7	DUNE WALKOVER PLAN
8	DUNE WALKOVER ELEVATIONS
9	DUNE WALKOVER ELEVATIONS
10	DUNE WALKOVER DETAILS
11	MISCELLANEOUS DETAILS
12	TRAFFIC CONTROL PLAN
13	STORM WATER POLLUTION PREVENTION PLAN
14	SWPPP DETAILS



PROJECT LOCATION

VICINITY MAP
 (NTS)
 KEY MAP #806V

I. General Information--Beach Pocket Park No. 2

A. Street Address:

- Termini - 11745 San Luis Pass Road FM 3005

II. Applicable City Codes, which apply to all projects, are listed as following, in no specific order:

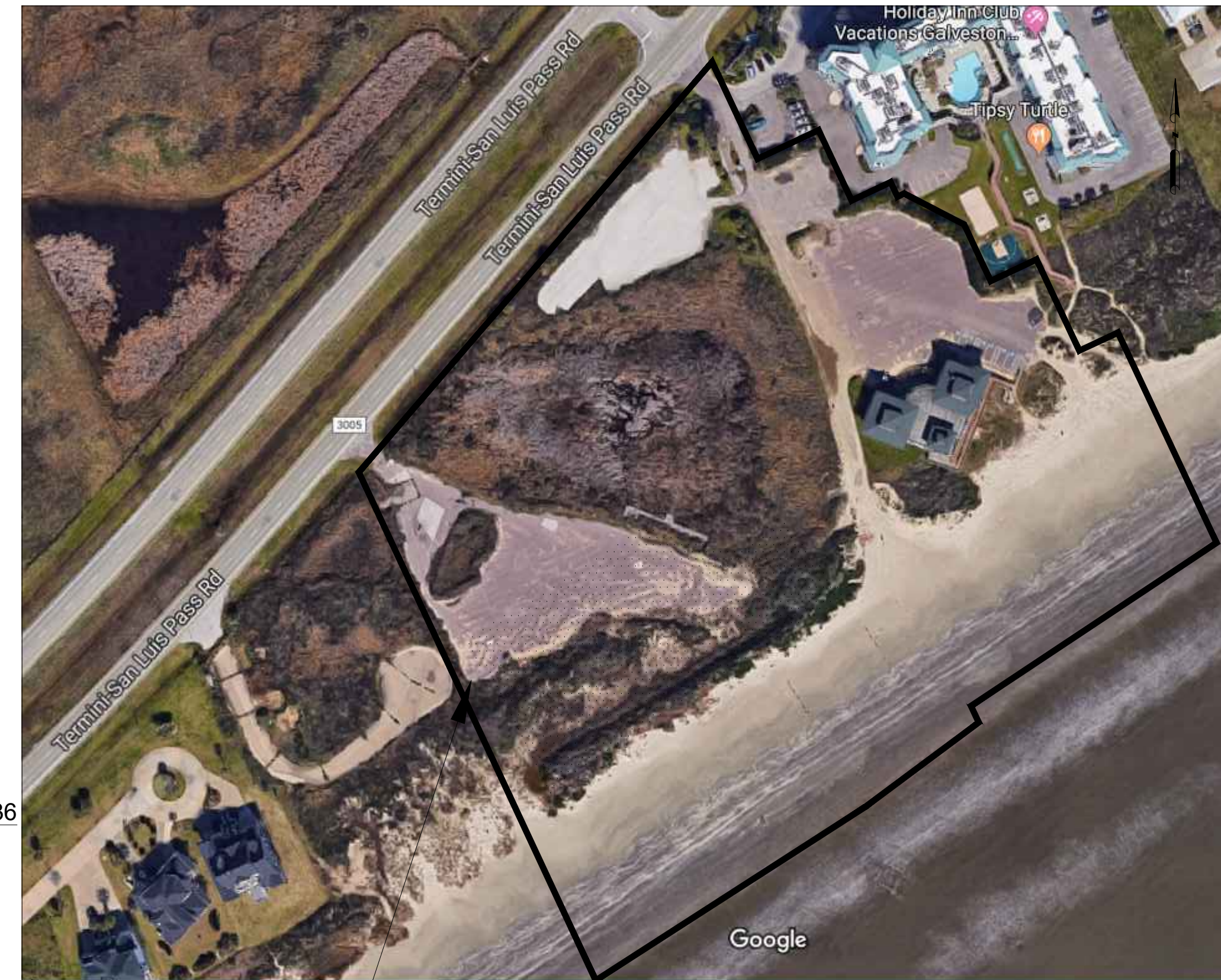
- Code of the City of Galveston*
- 2009 International building code, with local amendments (Chapter 10 of City Code) including Appendix M.
- 2009 International Energy Code (Chapter 10 of City Code)
- 2009 International Fire Code
- National Electrical Code 2011
- Subdivision Regulations
- Flood Ordinance No. 02-085
- Zoning Standards, 1991 amended version*
- Design Standards for Historic Properties in Galveston*

Please visit the City of Galveston website for additional information at www.cityofgalveston.org.

*Denotes codes available on City of Galveston website.

II. Building Code Requirements

- A. Applicable Codes: City of Galveston: 2009 IBC, 2009 IFC, 2009 IPC, 2009 IECC, 2009 IMC, 2009 IFMC, 2009 IFCG, 2011 NEC as amended by Galveston city Ordinances accessibility: 2012 Texas Accessibility Standards (TAS) Fair Housing Act and TCPIA for Texas State Board of Insurance Windstorm Requirements.
- B. Description: Wood deck pedestrian sand dune walk-over boardwalk.
- C. Use Groups: U
- D. Construction Type: V-8
- E. Occupancy Load: (15 s.f. of floor area per occupant - unconcentrated assembly) 2,036 (deck) / 15 s.f. = 135.7 = 136
- F. Egress balconies are not required to be separated with fire rated construction, where served by at least two stairs.



PROJECT LIMIT

LOCATION MAP
 (NTS)

GALVESTON COUNTY OFFICIALS

MARK HENRY
 DARRELL APFFEL
 JOE GIUSTI
 STEPHEN HOLMES
 KENNETH CLARK
 MICHAEL SHANNON, PE

COUNTY JUDGE
 COMMISSIONER PRECINCT NO. 1
 COMMISSIONER PRECINCT NO. 2
 COMMISSIONER PRECINCT NO. 3
 COMMISSIONER PRECINCT NO. 4
 COUNTY ENGINEER

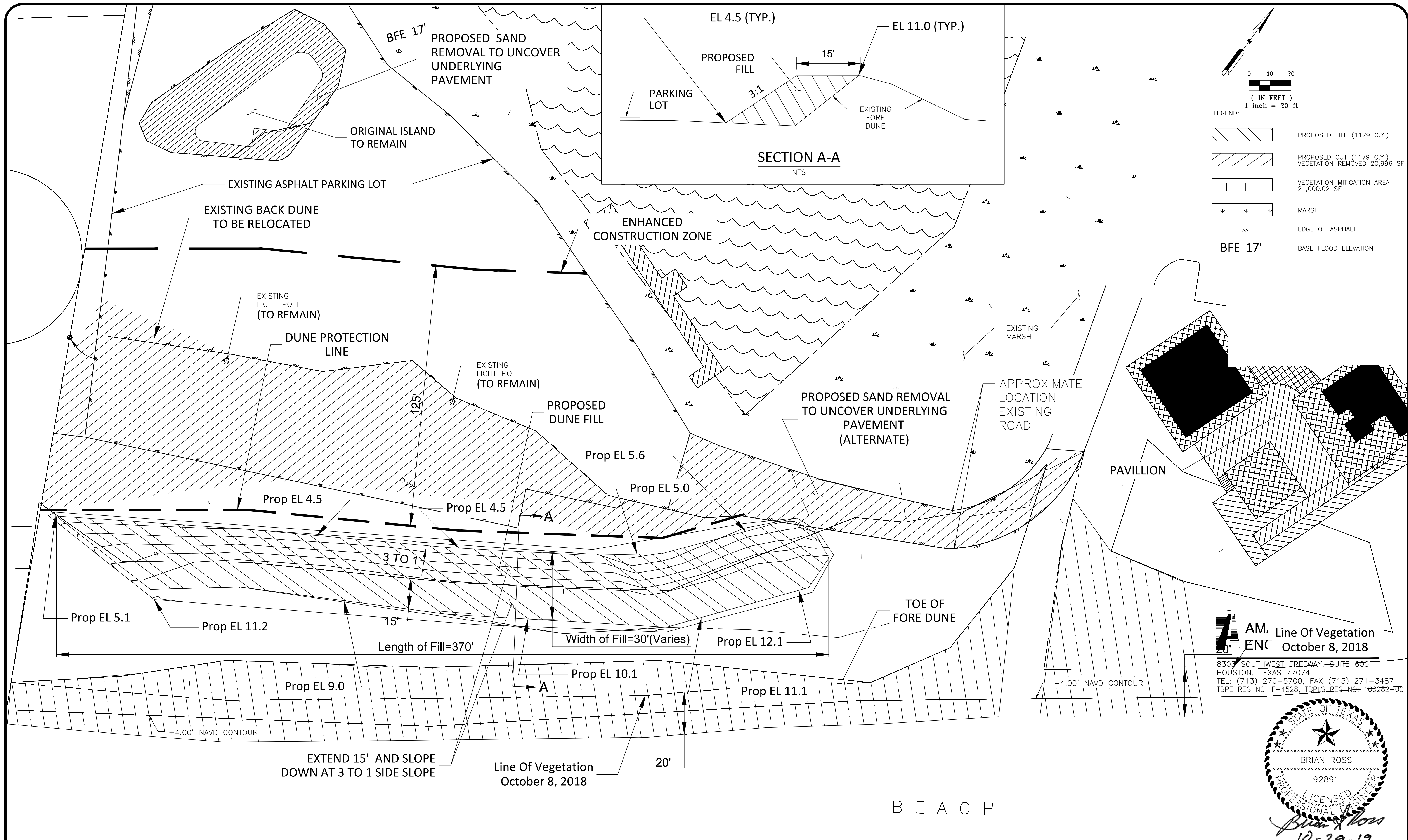
100% SUBMITTAL


APPROVED BY:

MICHAEL SHANNON, PE
 COUNTY ENGINEER

DATE _____






AM, ENC Line Of Vegetation
 October 8, 2018
 8307 SOUTHWEST FREEWAY, SUITE 600
 HOUSTON, TEXAS 77074
 TEL: (713) 270-5700, FAX (713) 271-3487
 TBPE REG NO: F-4528, TBPLS REG NO: 100282-00

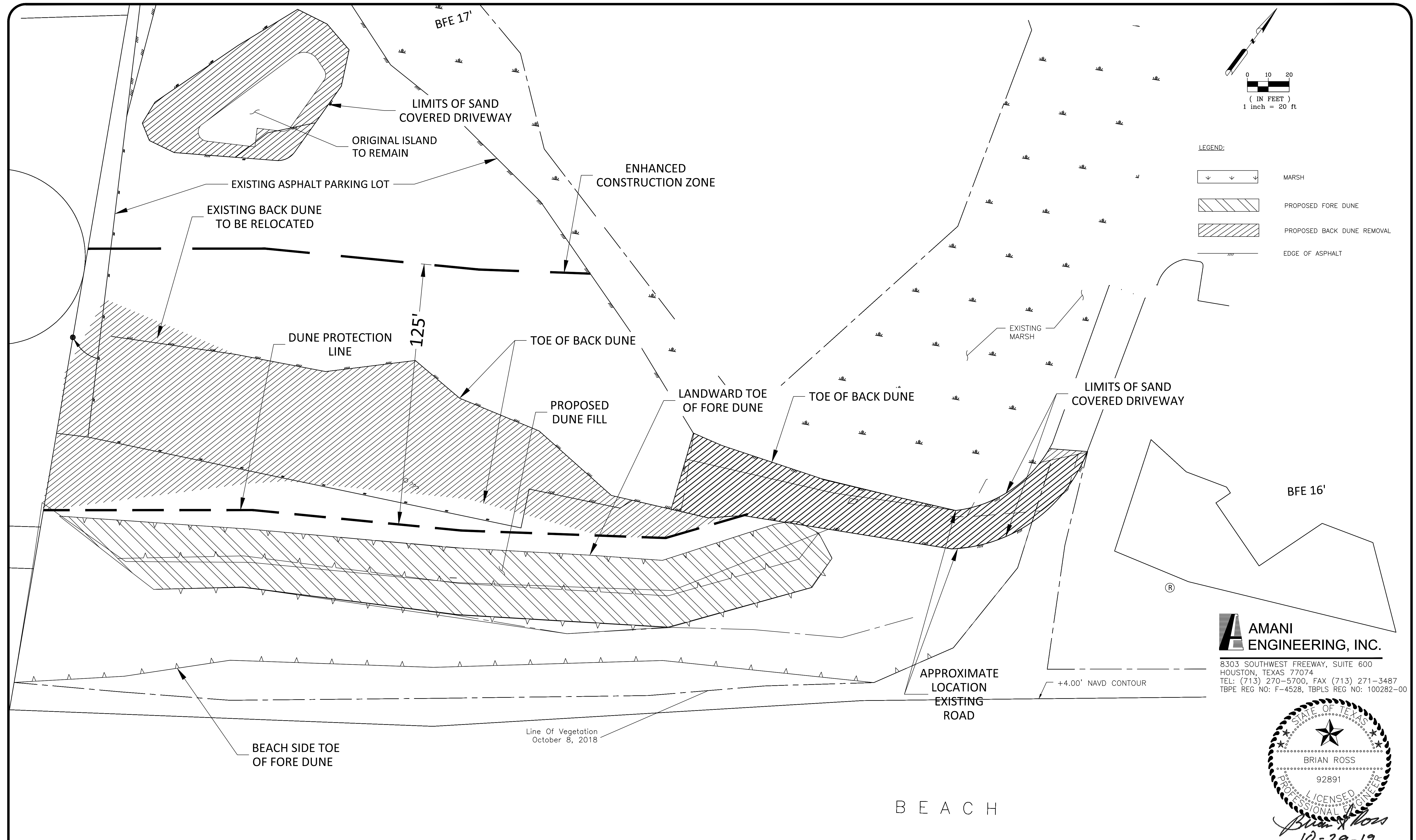


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				DESIGNED BY: _____
				CHECKED BY: _____
				APPROVED BY: _____
				SCALE: _____
				DATE: _____

GALVESTON COUNTY
 ENGINEERING DEPARTMENT

BEACH POCKET PARK No. 2
 DUNE PROTECTION MITIGATION AND GRADING
 PLAN

SHEET 3
 OF 14



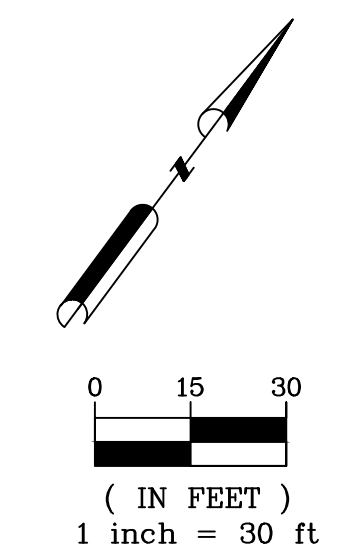
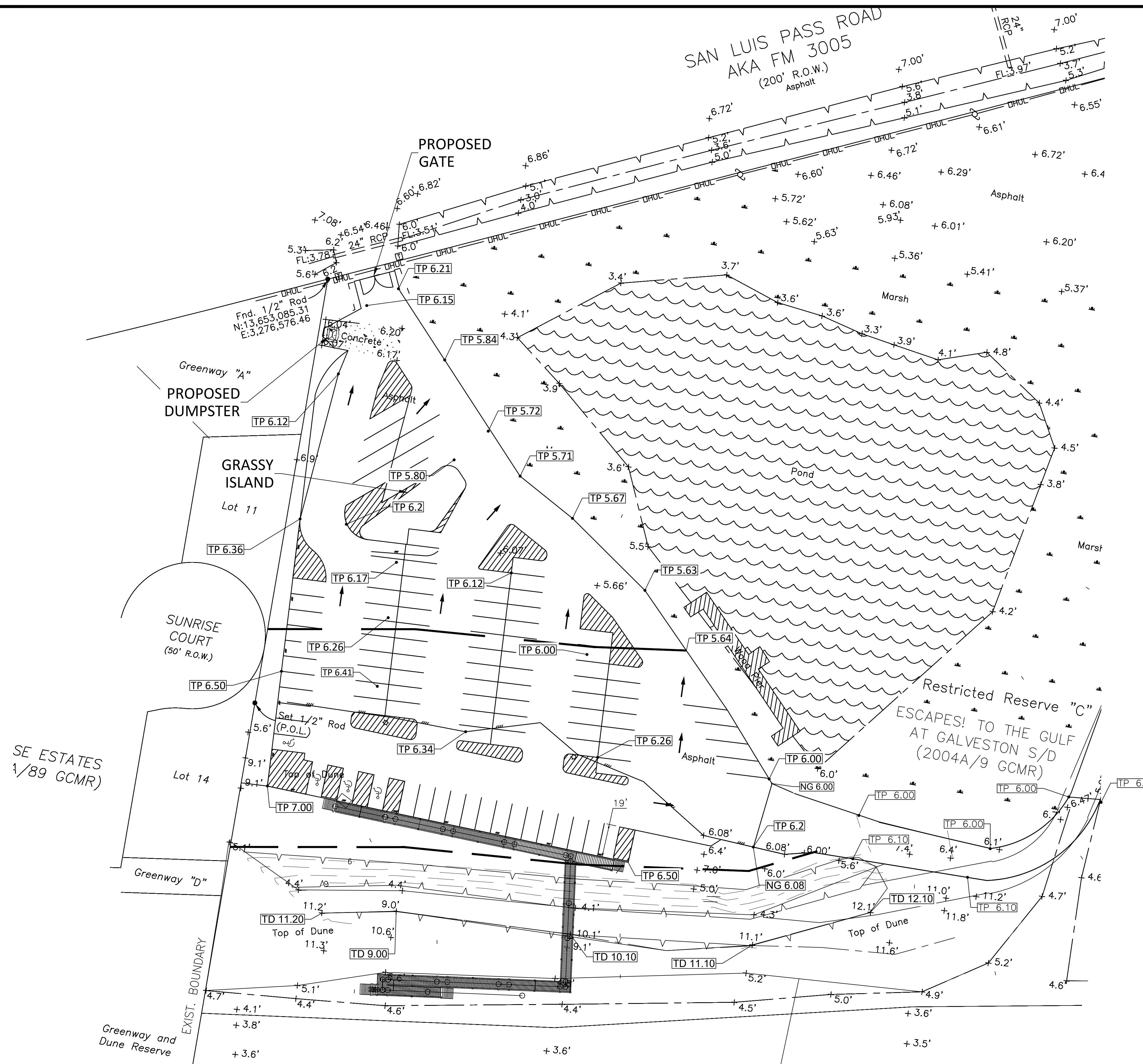
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GALVESTON COUNTY
 ENGINEERING DEPARTMENT

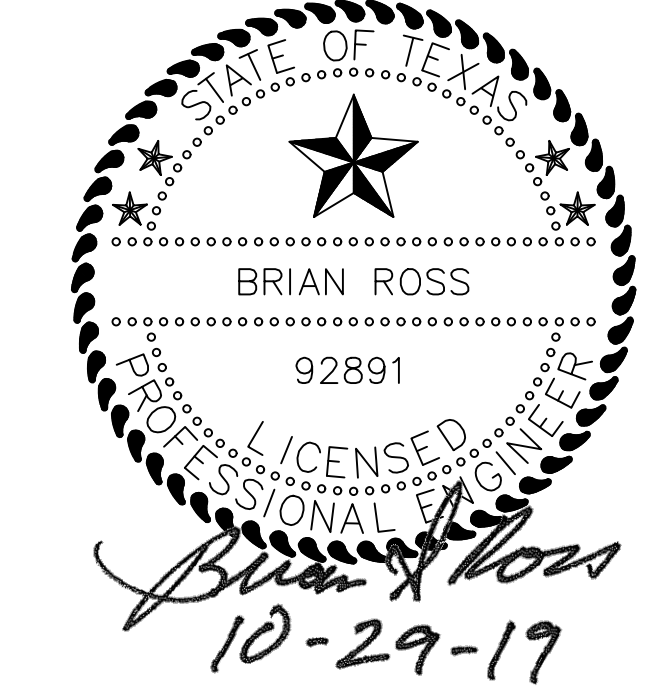
BEACH POCKET PARK No. 2
 SITE PLAN

SHEET 4
 OF 14



- GRADING LEGEND**
- TP XX.XX PROP TOP OF PAVEMENT
 - TD XX.XX PROP TOP OF DUNE
 - NG XX.X NATURAL GROUND
 - ← FLOW DIRECTION
 - ▨ PROPOSED FILL (SEE SHEET NO. 3 DUNE PROTECTION PLAN)

AMANI ENGINEERING, INC.
 8303 SOUTHWEST FREEWAY, SUITE 600
 HOUSTON, TEXAS 77074
 TEL: (713) 270-5700, FAX (713) 271-3487
 TBPE REG NO: F-4528, TBPLS REG NO: 100282-00

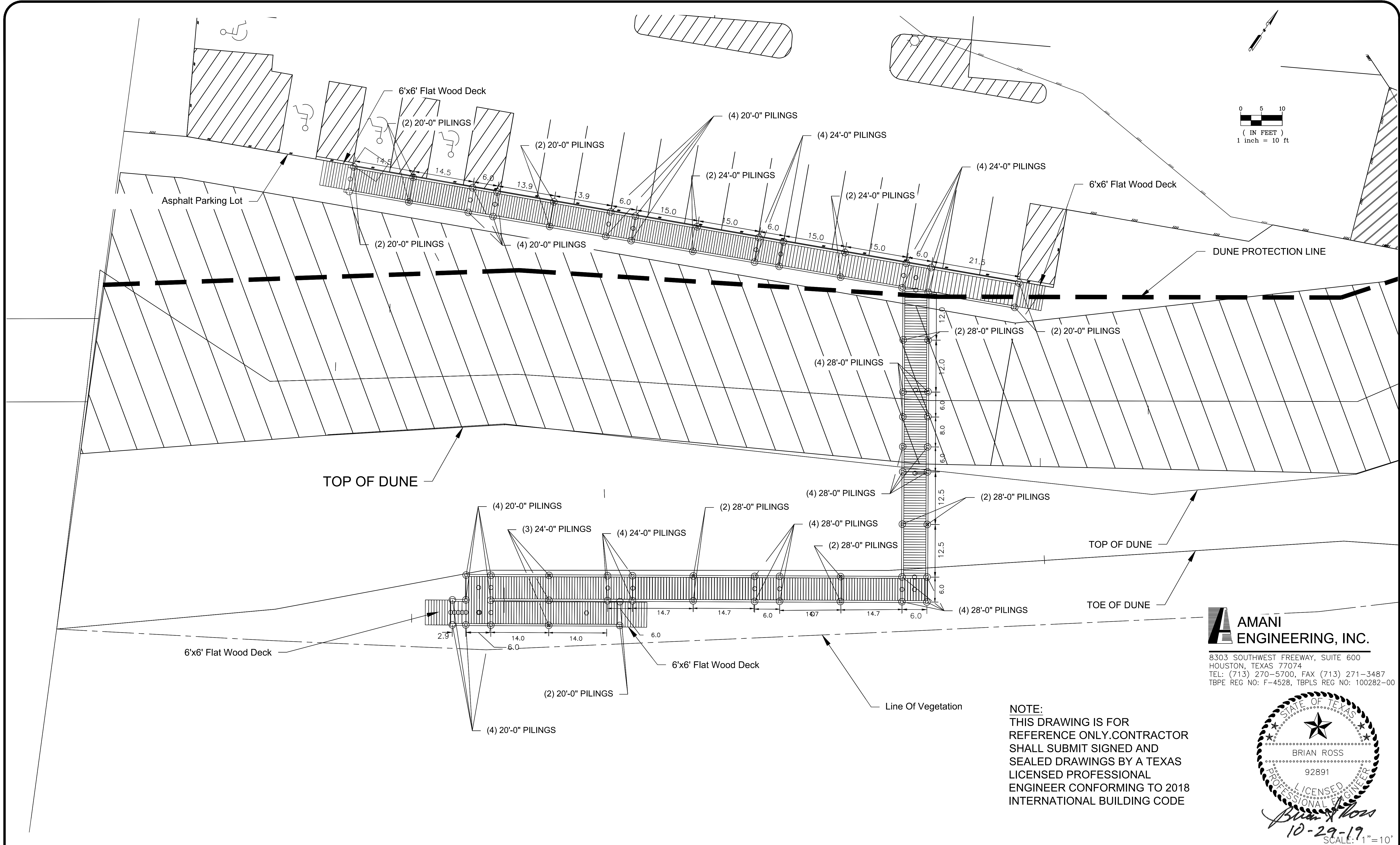


NO.	REVISION	BY	DATE

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 DESIGNED BY: _____
 CHECKED BY: _____
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 SCALE: _____
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GALVESTON COUNTY
 ENGINEERING DEPARTMENT

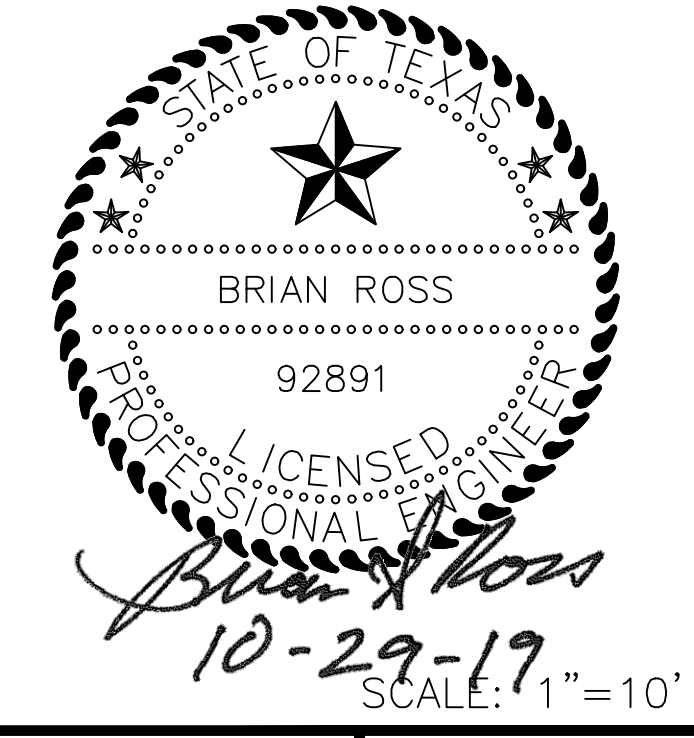
BEACH POCKET PARK No. 2
 PROPOSED GRADING PLAN



0 5 10
 (IN FEET)
 1 inch = 10 ft

AMANI ENGINEERING, INC.
 8303 SOUTHWEST FREEWAY, SUITE 600
 HOUSTON, TEXAS 77074
 TEL: (713) 270-5700, FAX (713) 271-3487
 TBPE REG NO: F-4528, TBPLS REG NO: 100282-00

NOTE:
 THIS DRAWING IS FOR
 REFERENCE ONLY. CONTRACTOR
 SHALL SUBMIT SIGNED AND
 SEALED DRAWINGS BY A TEXAS
 LICENSED PROFESSIONAL
 ENGINEER CONFORMING TO 2018
 INTERNATIONAL BUILDING CODE



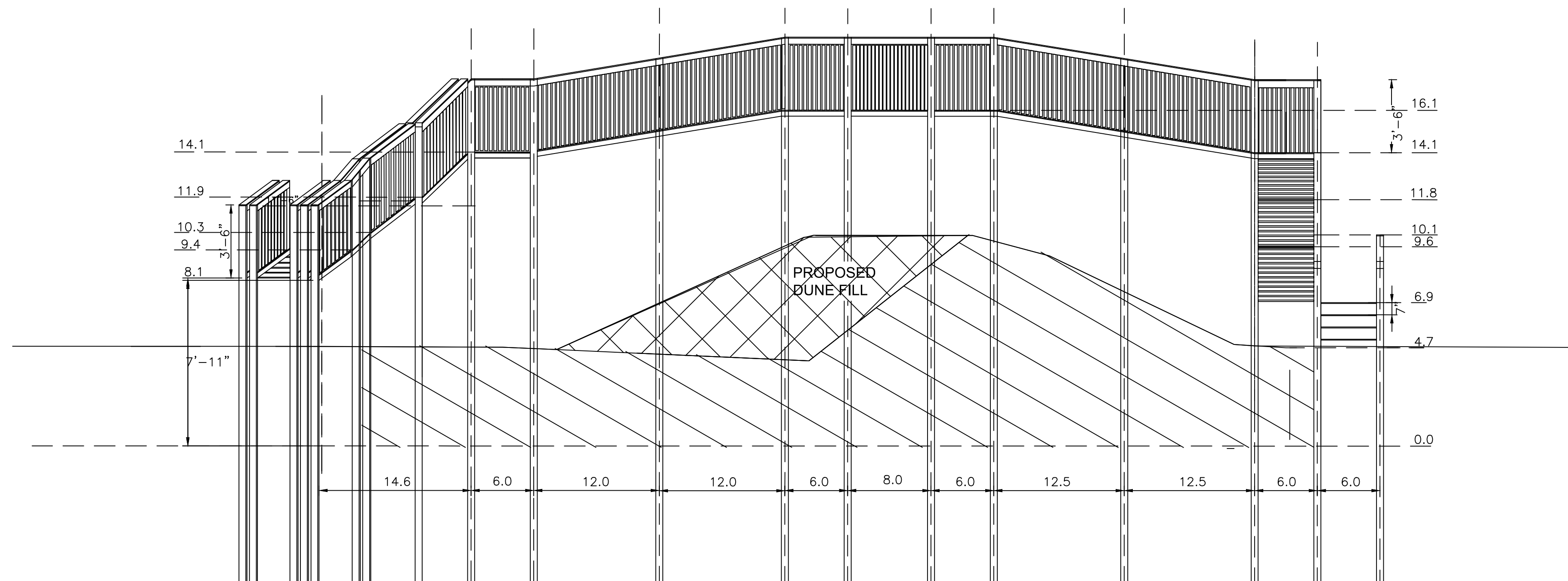
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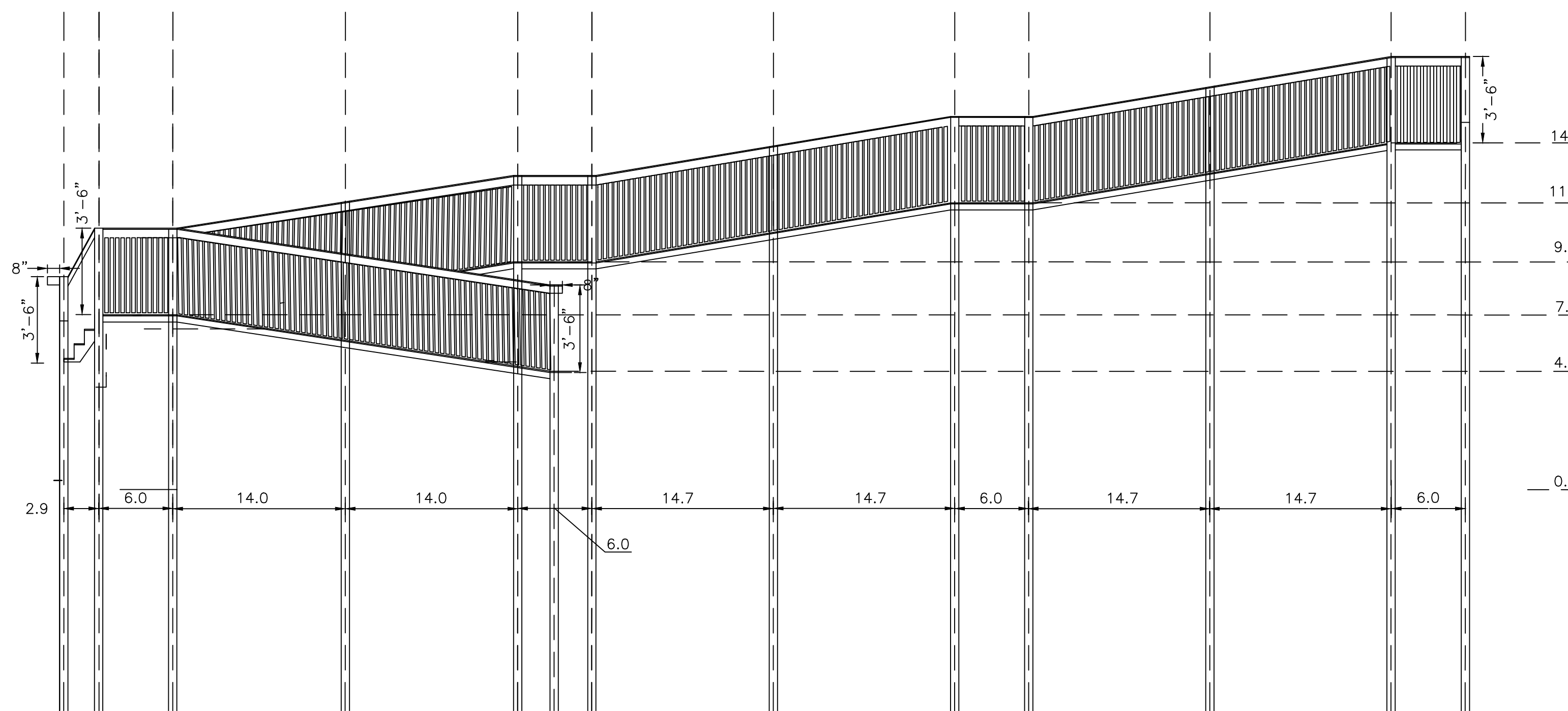
GALVESTON COUNTY
 ENGINEERING DEPARTMENT

BEACH POCKET PARK No. 2
DUNE WALKOVER PLAN

SHEET 7
 OF 14



02 DUNE WALK OVER ELEVATION (VIEW LOOKING NORTHEAST)



01 DUNE WALK OVER ELEVATION (VIEW LOOKING NORTHWEST)

NOTE:

1. CONSTRUCTION TO MEET ADA REQUIREMENTS
2. CONTRACTOR TO ENSURE ALL RAMP SLOPES ARE 1:12 MAX.(8.33%)
3. THIS DRAWING IS FOR REFERENCE ONLY. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS BY A TEXAS LICENSED PROFESSIONAL ENGINEER CONFORMING TO 2018 INTERNATIONAL BUILDING CODE

AMANI ENGINEERING, INC.

8303 SOUTHWEST FREEWAY, SUITE 600
HOUSTON, TEXAS 77074
TEL: (713) 270-5700, FAX (713) 271-3487
TBPE REG NO: F-4528, TBPLS REG NO: 100282-00



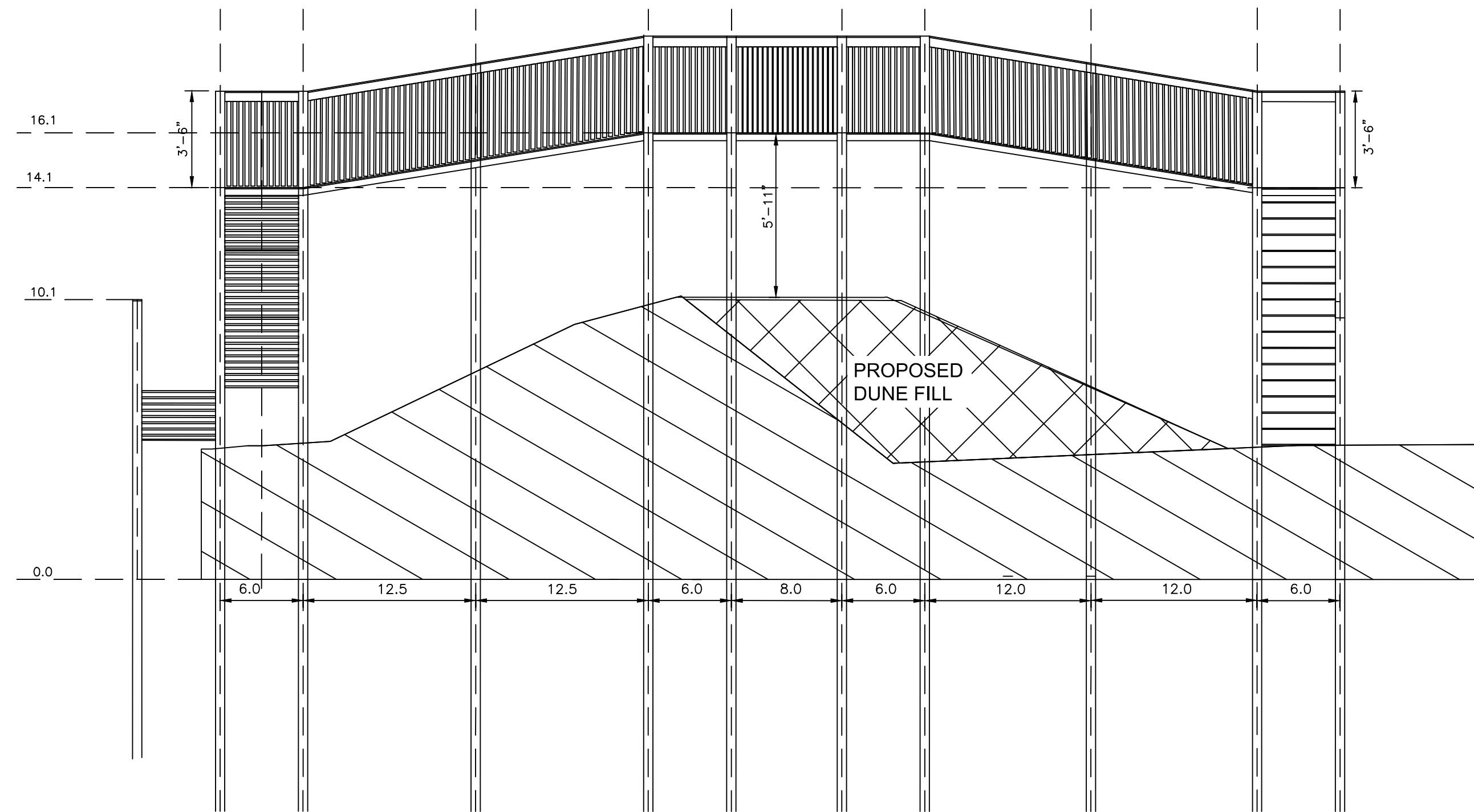
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SCALE: _____
DATE: _____

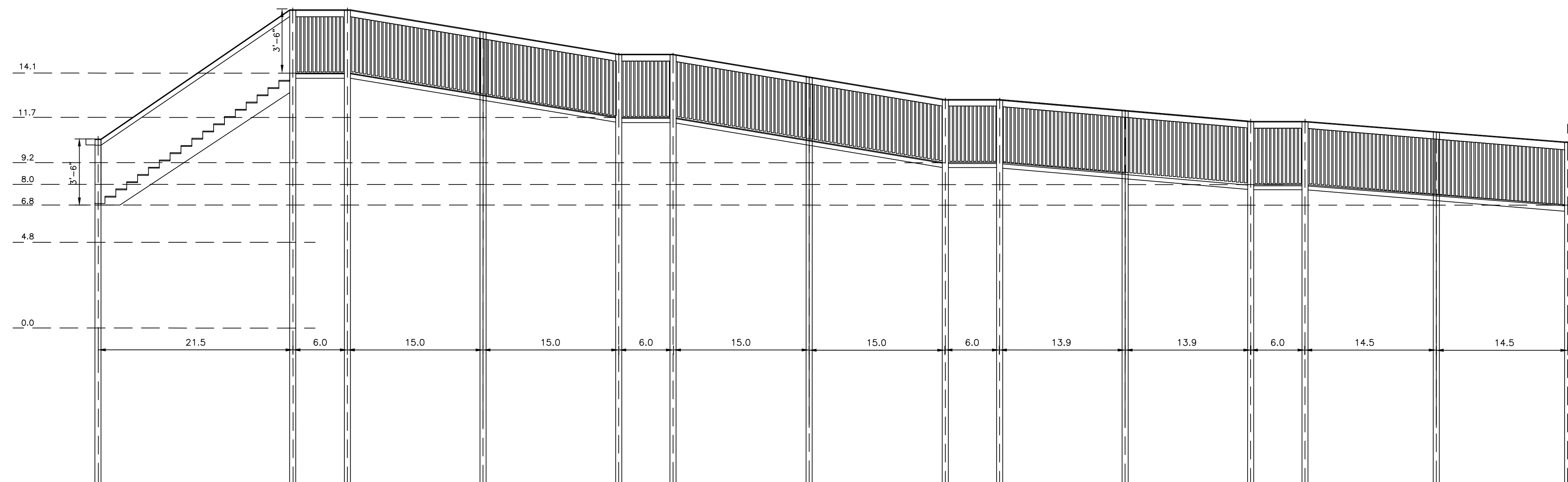
GALVESTON COUNTY
ENGINEERING DEPARTMENT

BEACH POCKET PARK No. 2
DUNE WALKOVER ELEVATIONS

SHEET 8
OF 14



04 DUNE WALK OVER ELEVATION (VIEW LOOKING SOUTHWEST)



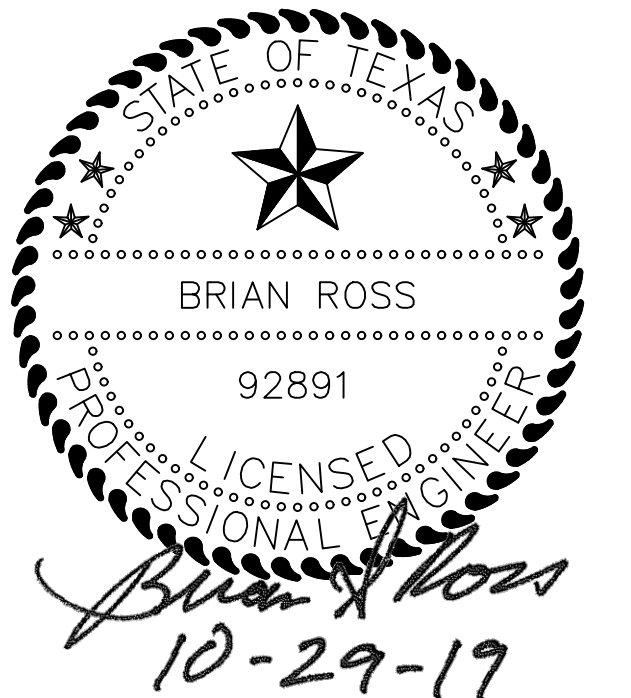
03 DUNE WALK OVER ELEVATION (VIEW LOOKING SOUTHEAST)

NOTE:

1. CONSTRUCTION TO MEET ADA REQUIREMENTS
2. CONTRACTOR TO ENSURE ALL RAMP SLOPES ARE 1:12 MAX.(8.33%)
3. THIS DRAWING IS FOR REFERENCE ONLY. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS BY A TEXAS LICENSED PROFESSIONAL ENGINEER CONFORMING TO 2018 INTERNATIONAL BUILDING CODE

AMANI ENGINEERING, INC.

8303 SOUTHWEST FREEWAY, SUITE 600
 HOUSTON, TEXAS 77074
 TEL: (713) 270-5700, FAX (713) 271-3487
 TBPE REG NO: F-4528, TBPLS REG NO: 100282-00

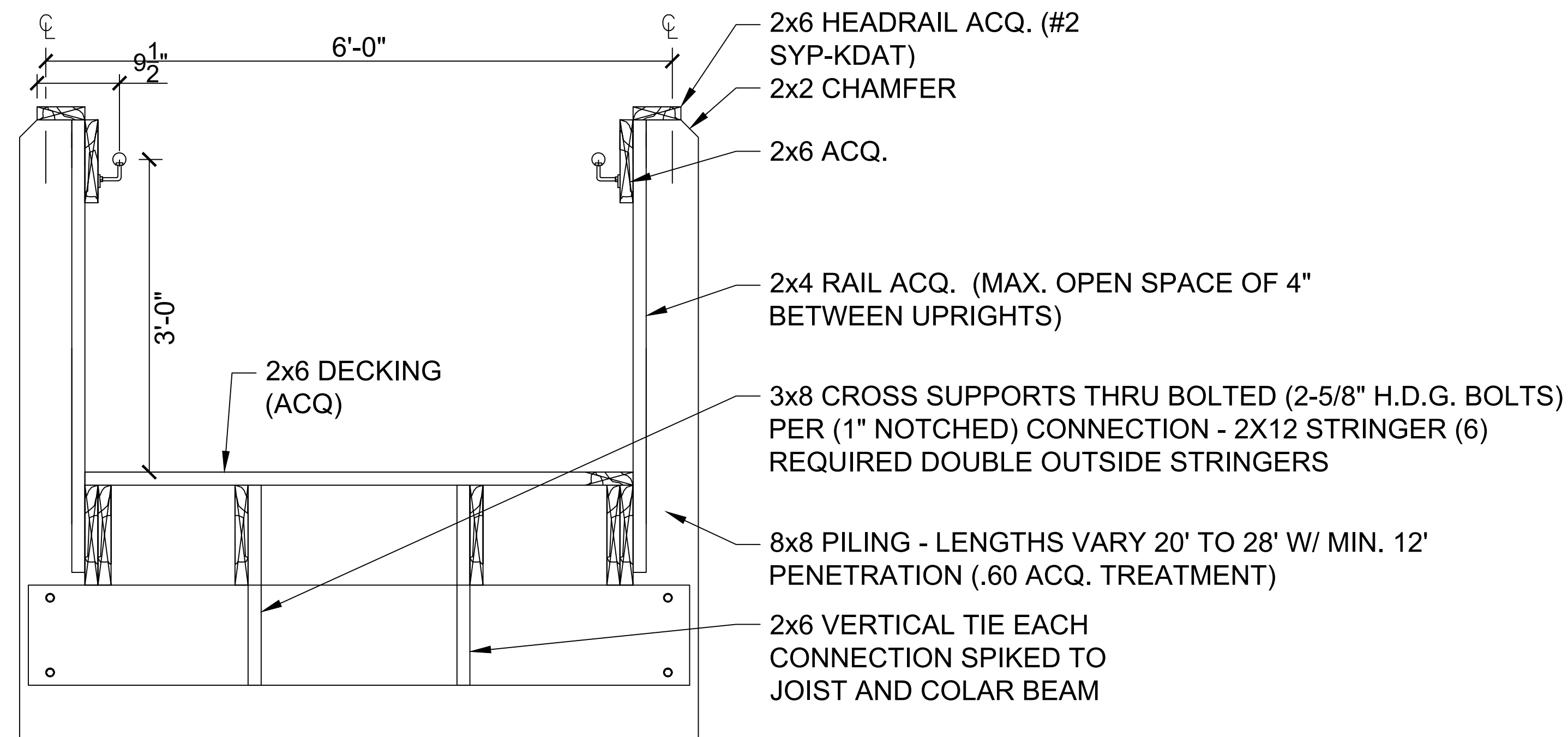


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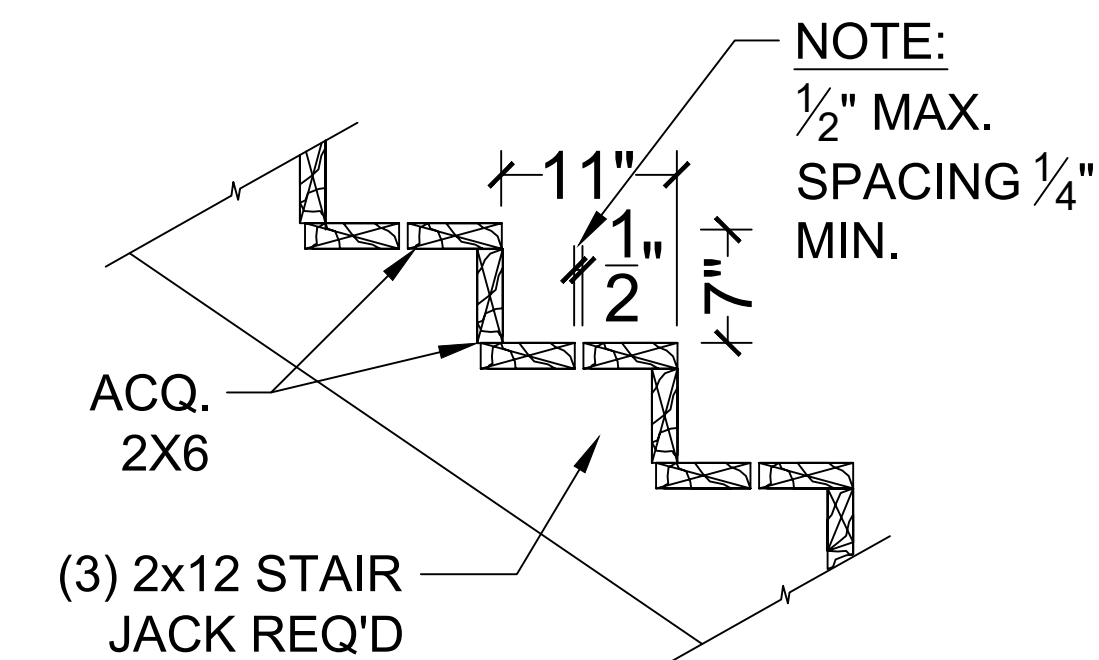
GALVESTON COUNTY
 ENGINEERING DEPARTMENT

BEACH POCKET PARK No. 2
 DUNE WALKOVER ELEVATIONS

SHEET 9
 OF 14



NOTE:
ACQ. - (ALKALINE COPPER QUATERNARY)



01 DUNE WALK OVER SECTION

SCALE: 3/8"=1'-0"

02 STAIR SECTION DETAIL

SCALE: 3/4"=1'-0"

GENERAL NOTES:

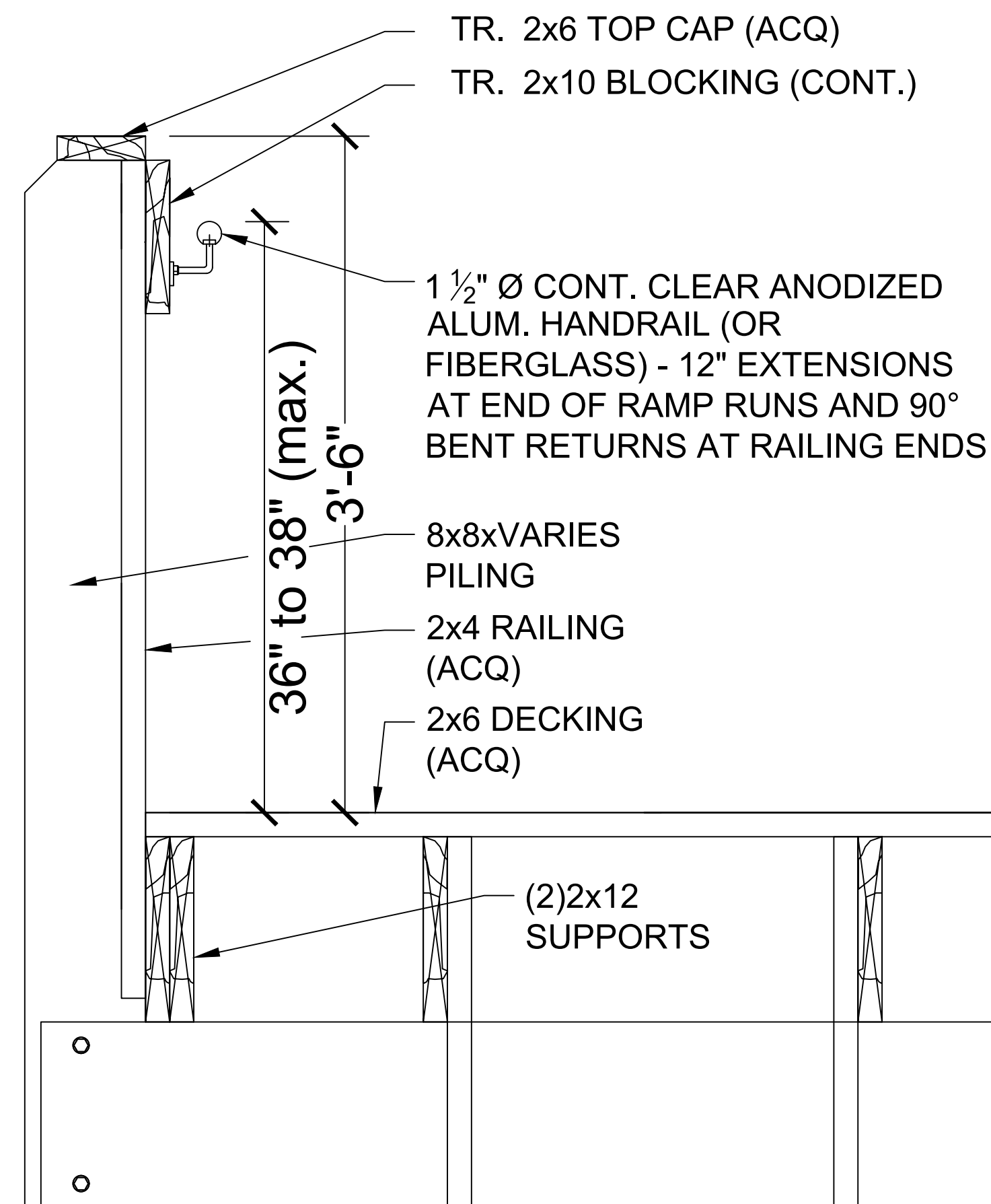
1. ALL WOOD EXPOSED TO THE WEATHER SHALL BE PRESSURE TREATED No. 2 OR BETTER SYP (KDAT).
2. ALL STEEL USED IN STRUCTURAL APPLICATIONS INCLUDING COLUMNS, BEAMS, BASE PLATES, BOLTS, NUTS AND WASHERS EXPOSED TO THE WEATHER SHALL BE MINIMUM H.D.G.
3. DECK LIVE LOAD = 100 psi.
4. GUARDRAILS AND HANDRAIL LIVE LOAD = 50 psi AND CONCENTRATED LOAD OF 200 psi.
5. DECK FRAME IS DESIGNED FOR A WIND LOAD OF 130 mph (3 sec gust) AND EXPOSURE C.
6. DECK SPACING TO BE 1/2" MAX.
7. ALL WORK TO CONFORM TO 2012 TEXAS ASSESSABILITY STANDARDS.
8. THIS DRAWING IS FOR REFERENCE ONLY. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS BY A TEXAS LICENSED PROFESSIONAL ENGINEER CONFORMING TO 2018 INTERNATIONAL BUILDING CODE

PILING INFORMATION:

- * 8x8x20'-0" - (26) REQUIRED
 - * 8x8x24'-0" - (19) REQUIRED
 - * 8x8x28'-0" - (24) REQUIRED
- 69 PILINGS REQUIRED (TOTAL)

PILING NOTES:

1. ALL PILINGS SHALL BE .60 CCA OR ACQ TREATED.
2. ALL PILINGS SHALL HAVE A MINIMUM OF 12' PENETRATION BELOW EXISTING GRADE.



03 RAIL AND DECK DETAIL

SCALE: 3/4"=1'-0"

AMANI ENGINEERING, INC.

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HOUSTON, TEXAS 77074
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TBPE REG NO: F-4528, TBPLS REG NO: 100282-00



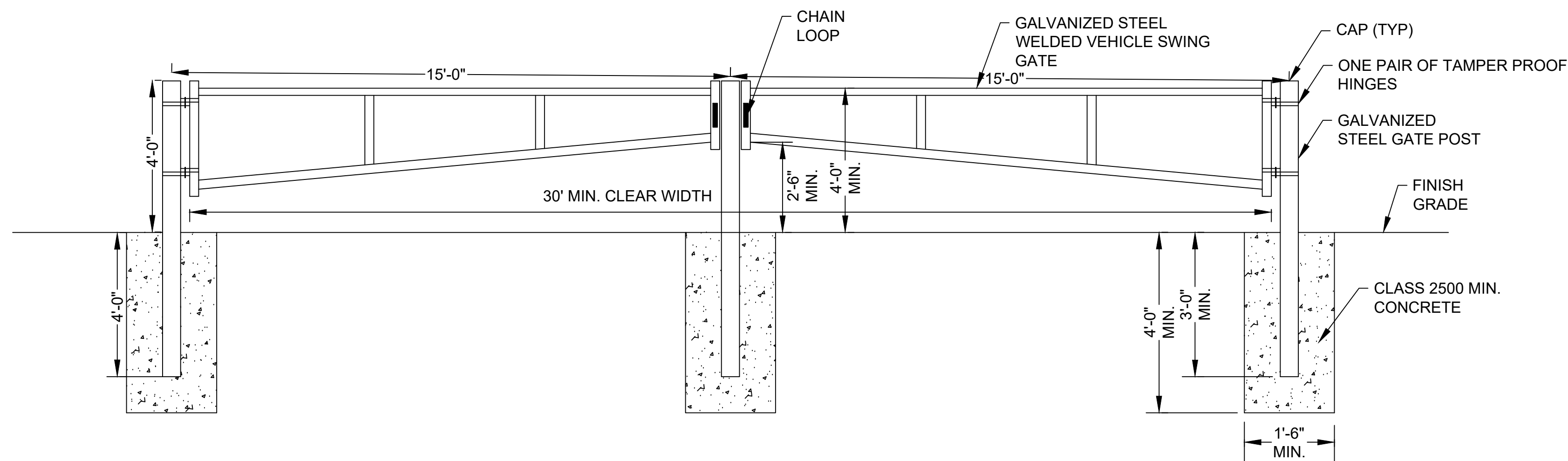
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GALVESTON COUNTY
ENGINEERING DEPARTMENT

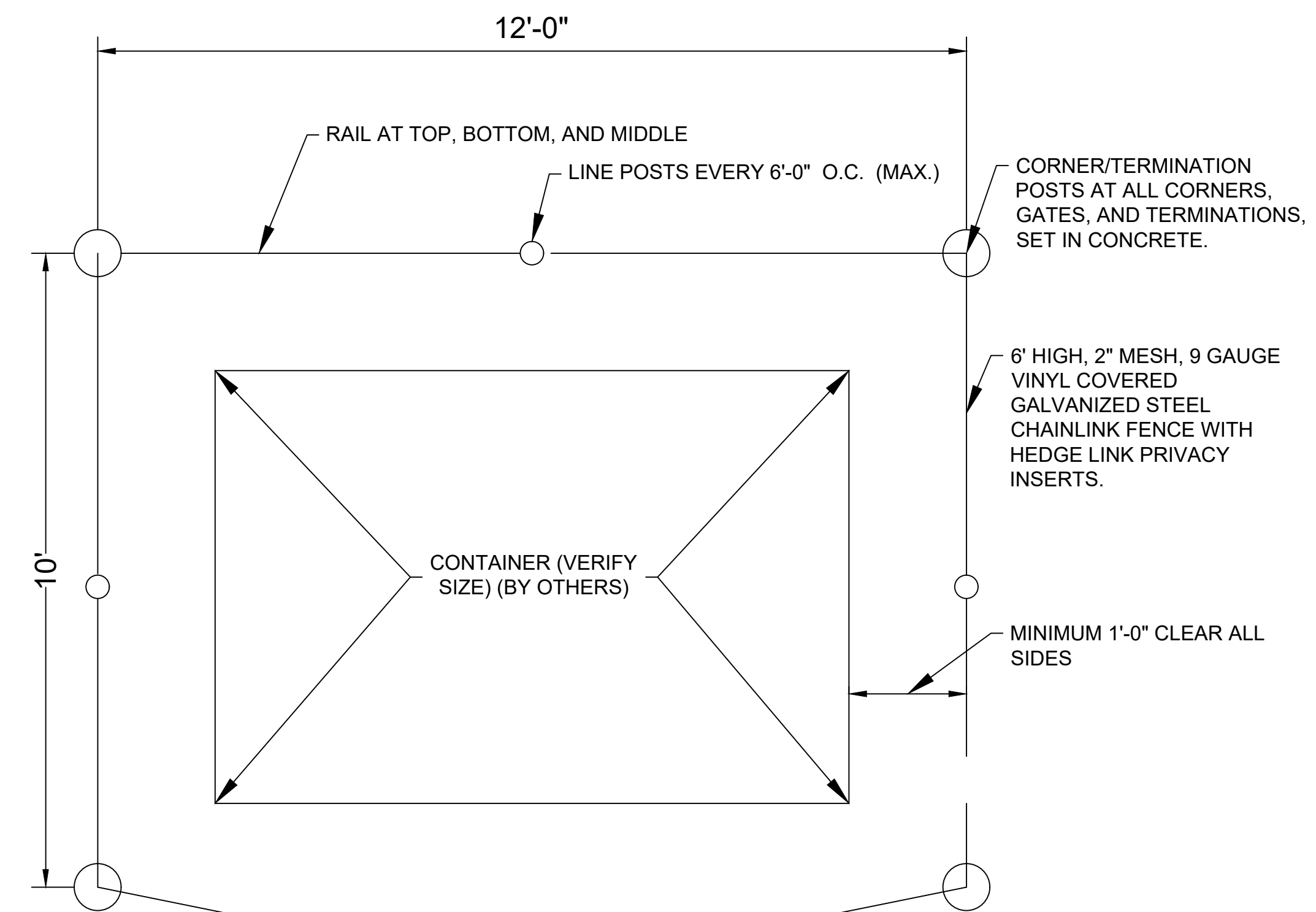
BEACH POCKET PARK No. 2
DUNE WALK OVER DETAILS

SHEET 10

OF 14

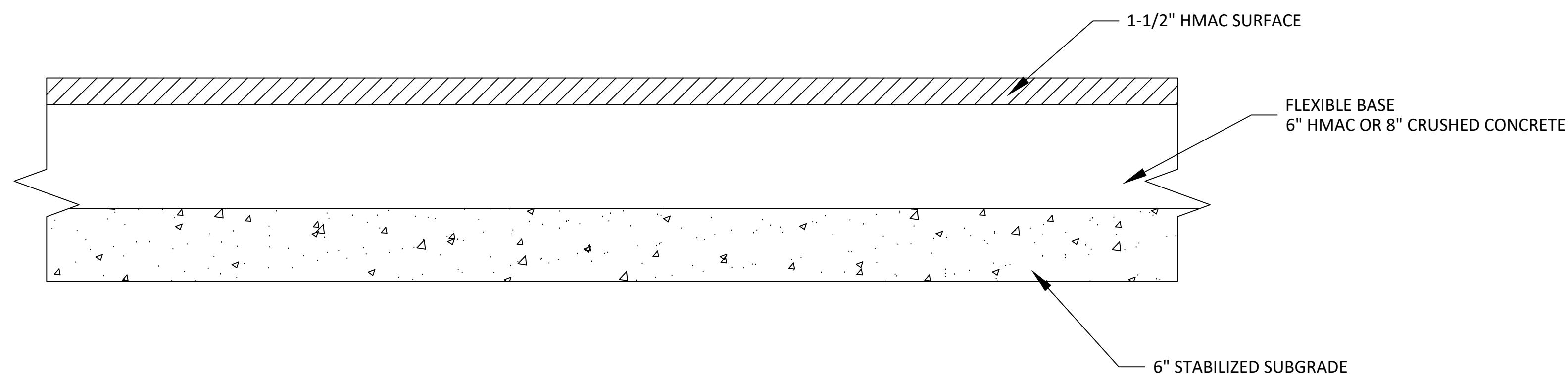


ENTRANCE GATE DETAIL
SCALE: NTS



- NOTES:
- COLOR OF CHAIN LINK FENCE FABRIC IS TO BE BLACK.
 - ALL POSTS, RAILS, BARS, PRIVACY INSERTS, CAPS, AND MISC. HARDWARE TO MATCH COLOR OF CHAIN LINK FABRIC.
- DOUBLE SWING GATES WITH LOCK. VERIFY CLEAR WIDTH OF GATE IS A MINIMUM OF 1'-0" GREATER THAN REQUIRED WIDTH FOR CONTAINER AND TRUCK.

TYPICAL TRASH ENCLOSURE
SCALE: NTS



ASPHALTIC CONCRETE PAVEMENT SECTION
SCALE: NTS

AMANI ENGINEERING, INC.

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HOUSTON, TEXAS 77074
TEL: (713) 270-5700, FAX (713) 271-3487
TBPE REG NO: F-4528, TBPLS REG NO: 100282-00



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SCALE: _____
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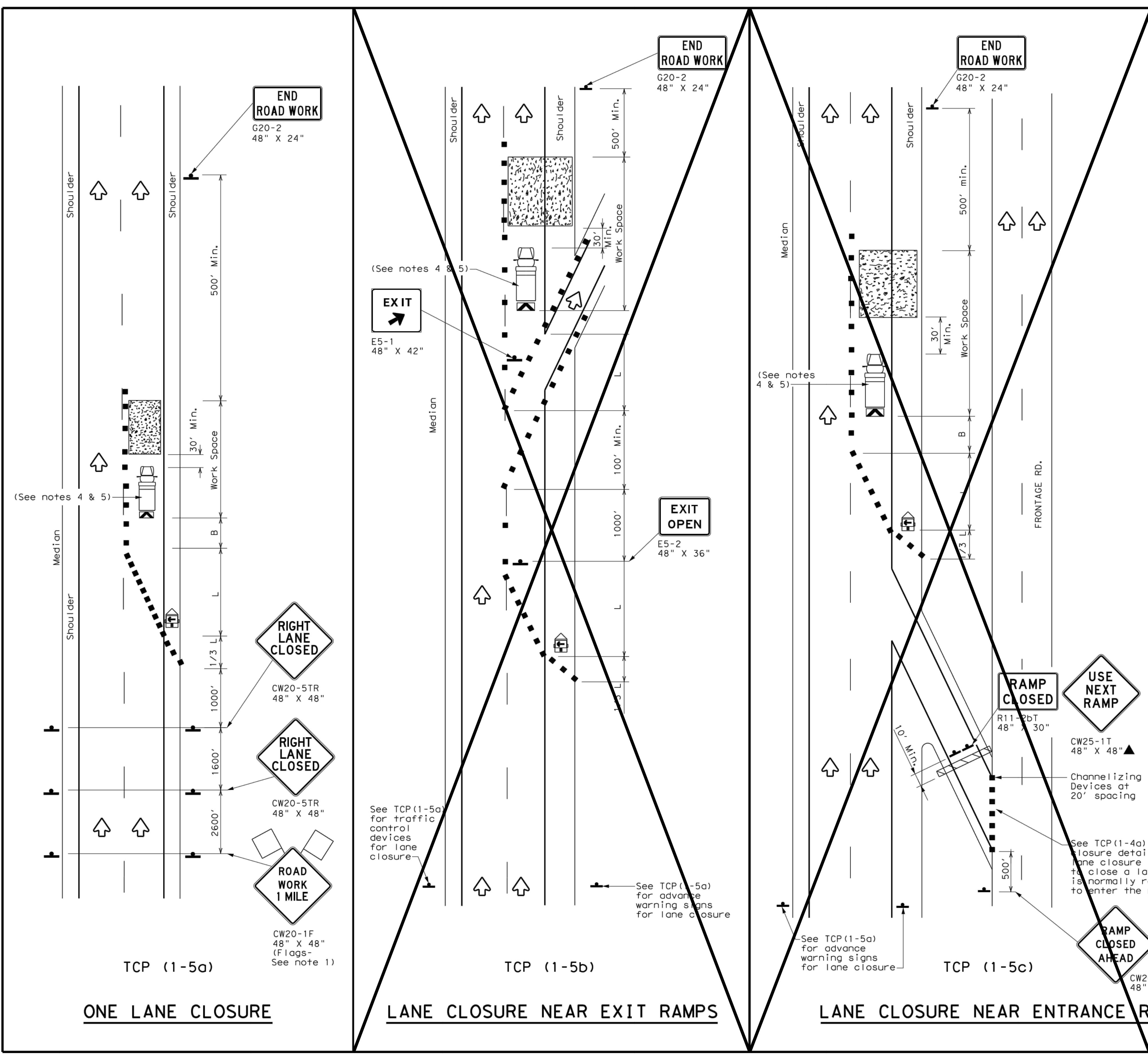
GALVESTON COUNTY
ENGINEERING DEPARTMENT

BEACH POCKET PARK No. 2
MISCELLANEOUS DETAILS

SHEET 11
OF 14

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the author of this standard for incorrect results or damages resulting from its use.

DATE: _____
FILE: _____



LEGEND			
	Type 3 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 X X			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 ² / 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)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
		✓		

- GENERAL NOTES**
- Flags attached to signs where shown, are REQUIRED.
 - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
 - Channelizing devices used to close lanes may be supplemented with the Chevron Alignment Sign placed on every other channelizing device. Chevrons may be attached to plastic drums as per BC Standards.
 - Shadow Vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. 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, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
 - Additional Shadow Vehicles with TMAs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.

TRAFFIC CONTROL PLAN
LANE CLOSURES FOR
DIVIDED HIGHWAYS

TCP (1-5) - 18
 FILE: tcp1-5-18.dgn DWN: CK1: DWN: CK1:
 © TXDOT February 2012 CONT SECT JOB HIGHWAY
 2-18 REVISIONS DIST COUNTY SHEET NO.



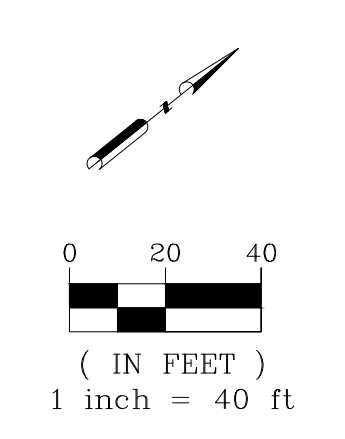
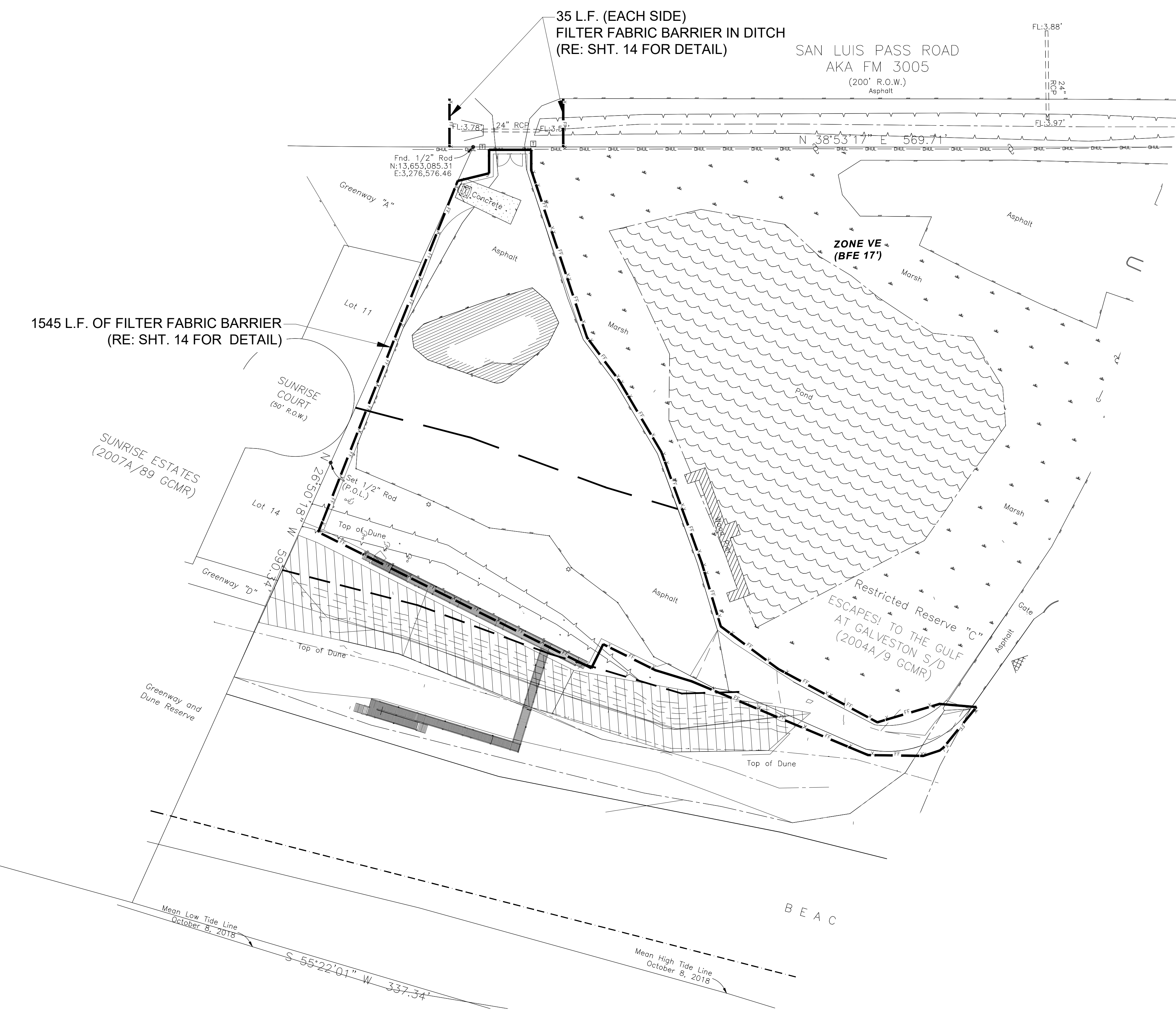
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GALVESTON COUNTY
 ENGINEERING DEPARTMENT

BEACH POCKET PARK No. 2
TRAFFIC CONTROL PLAN

SHEET 12
 OF 14



LEGEND:
 FILTER FABRIC BARRIER

AMANI ENGINEERING, INC.

8303 SOUTHWEST FREEWAY, SUITE 600
HOUSTON, TEXAS 77074
TEL: (713) 270-5700, FAX (713) 271-3487
TBPE REG NO: F-4528, TBPLS REG NO: 100282-00



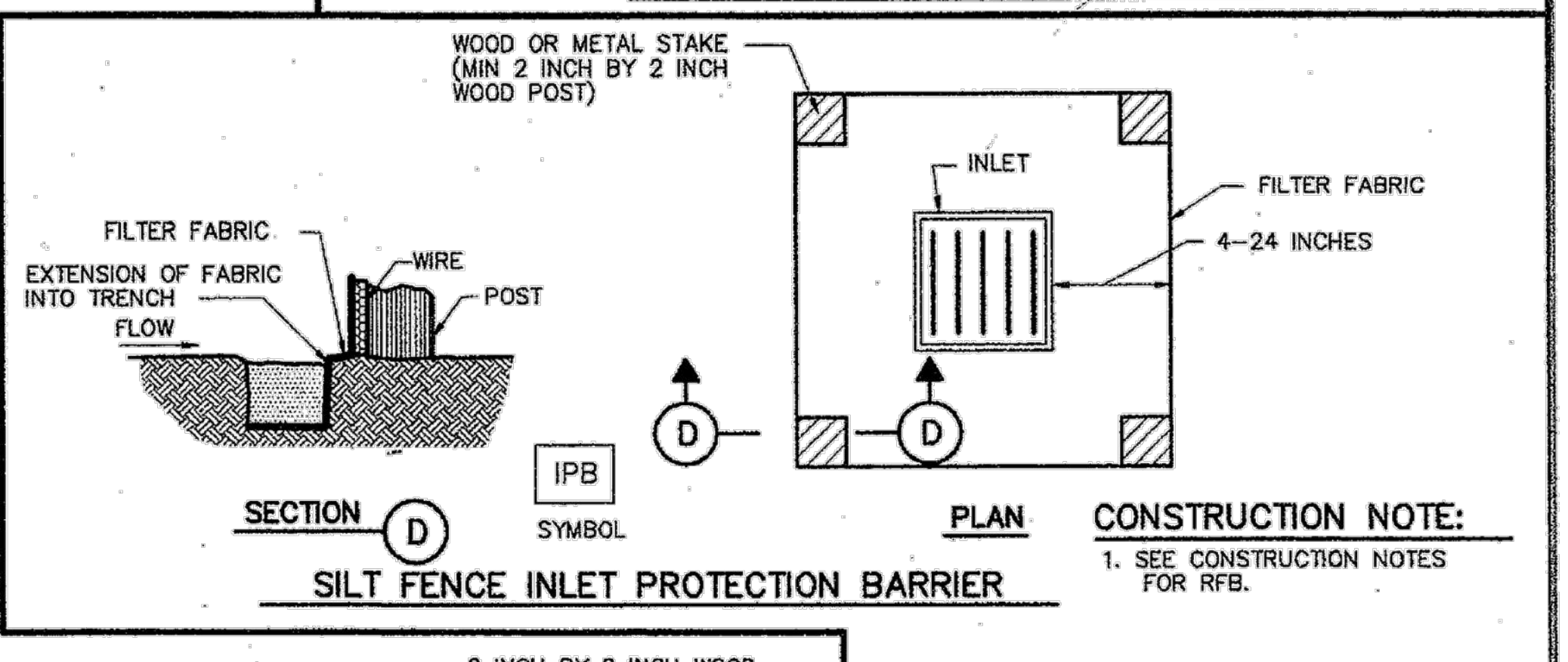
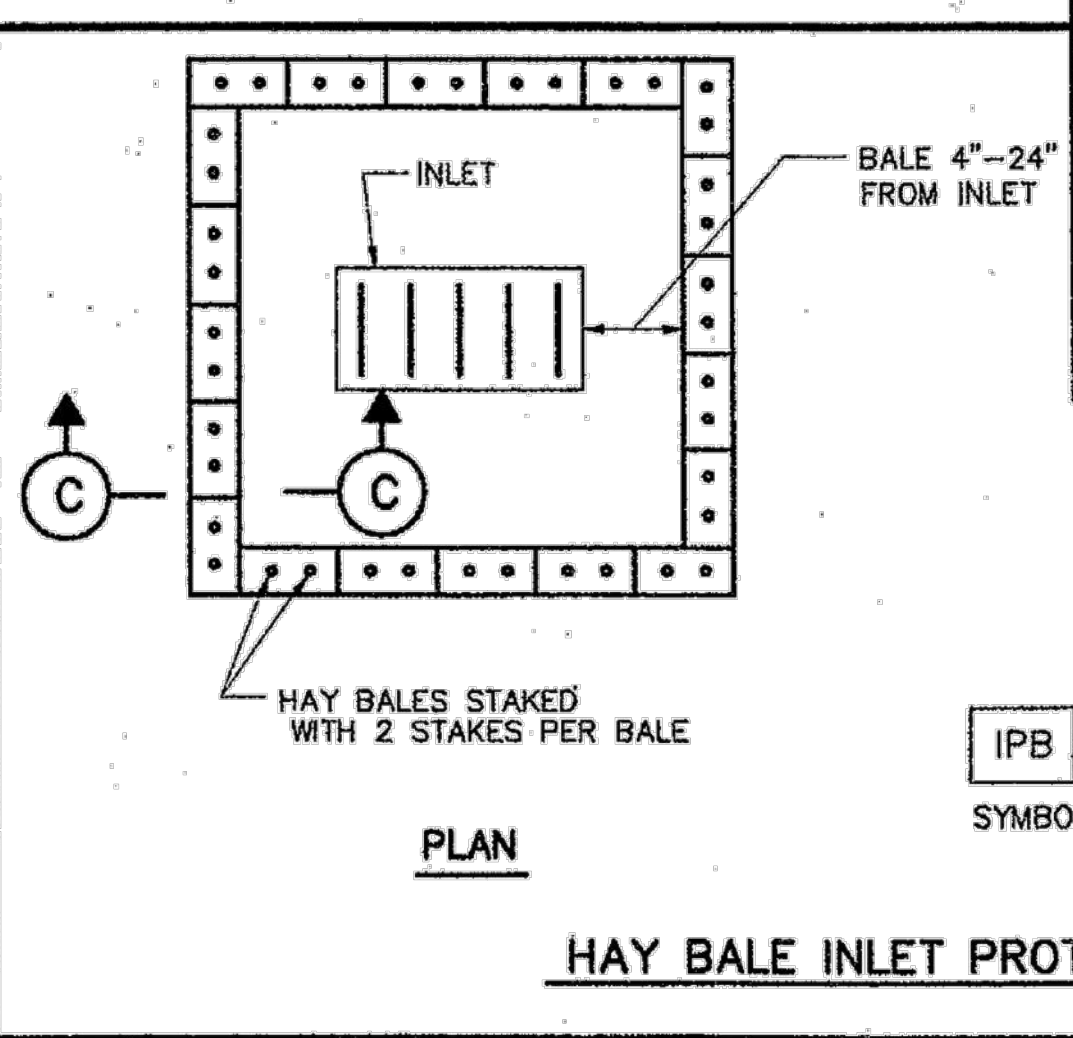
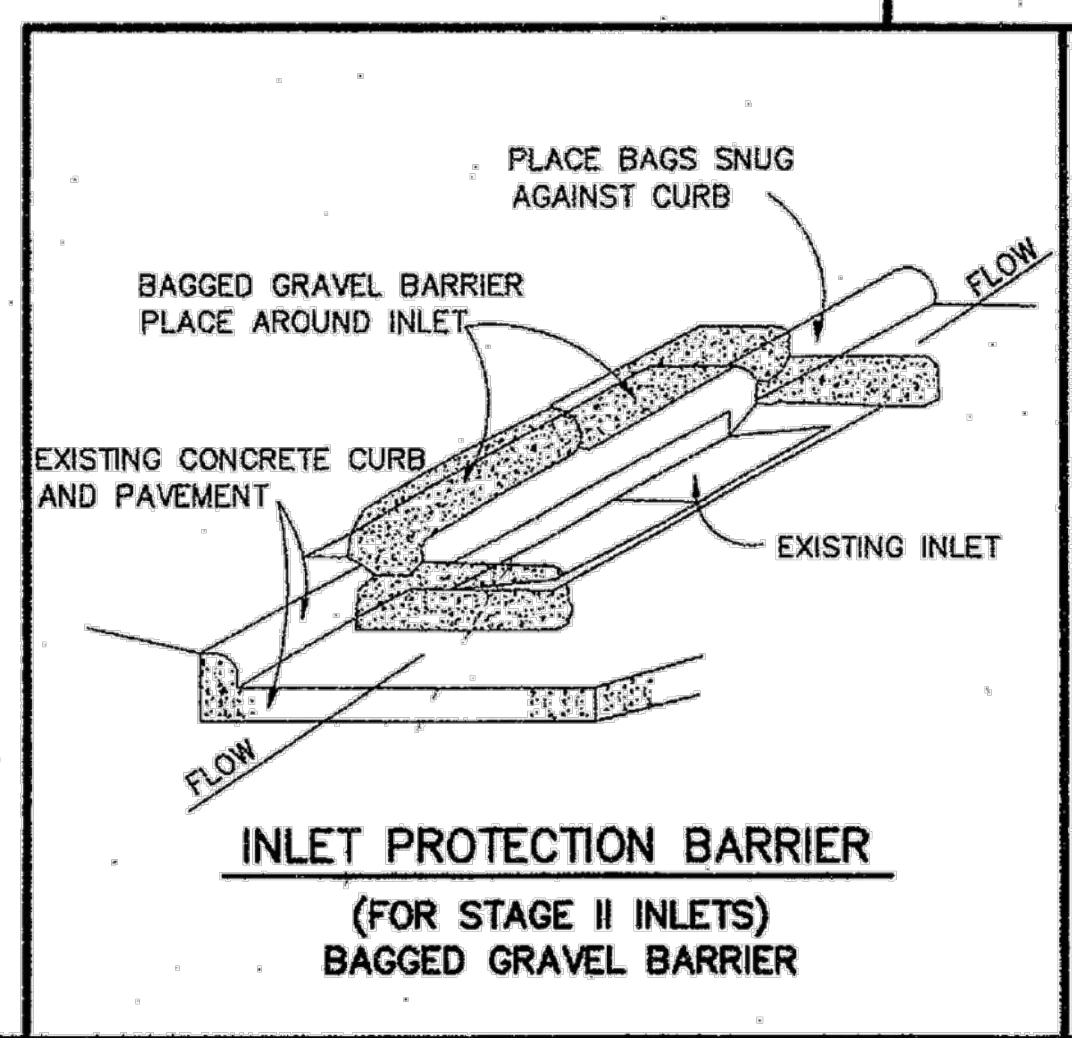
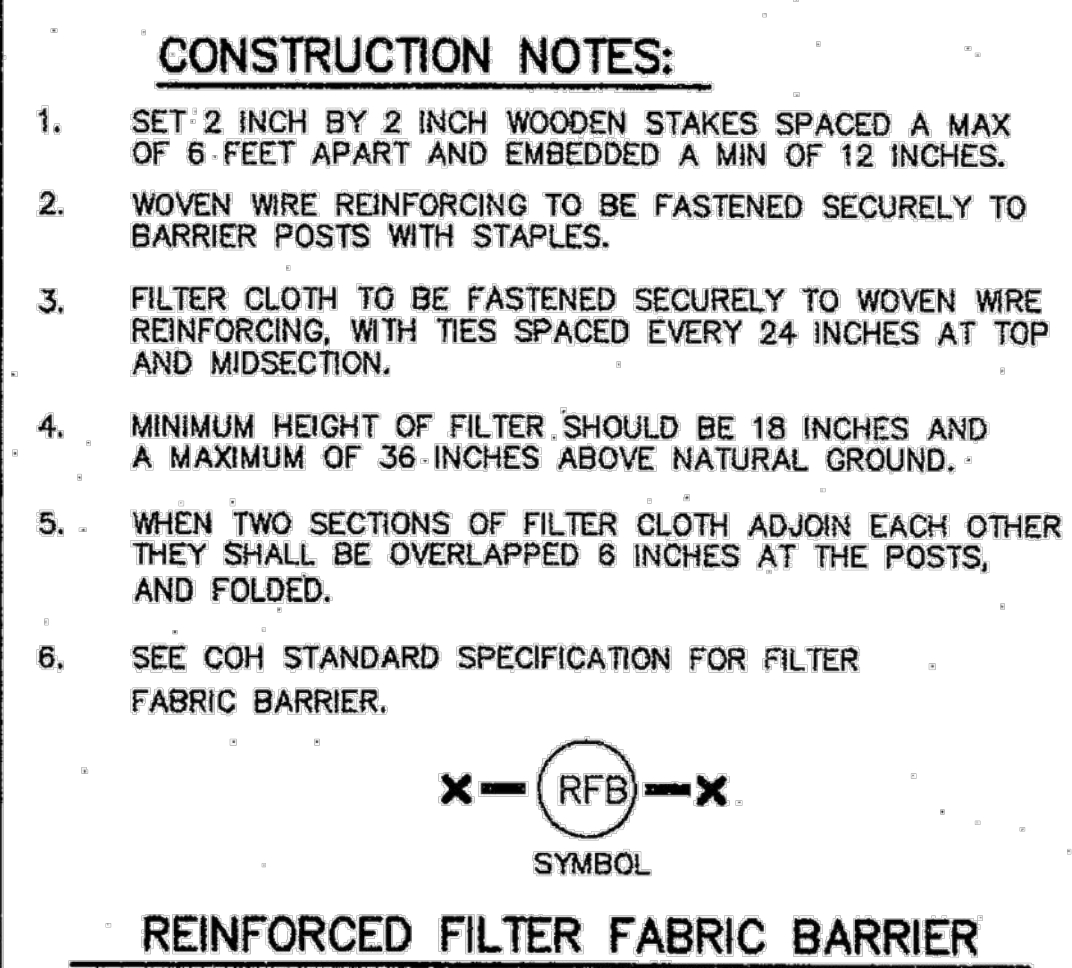
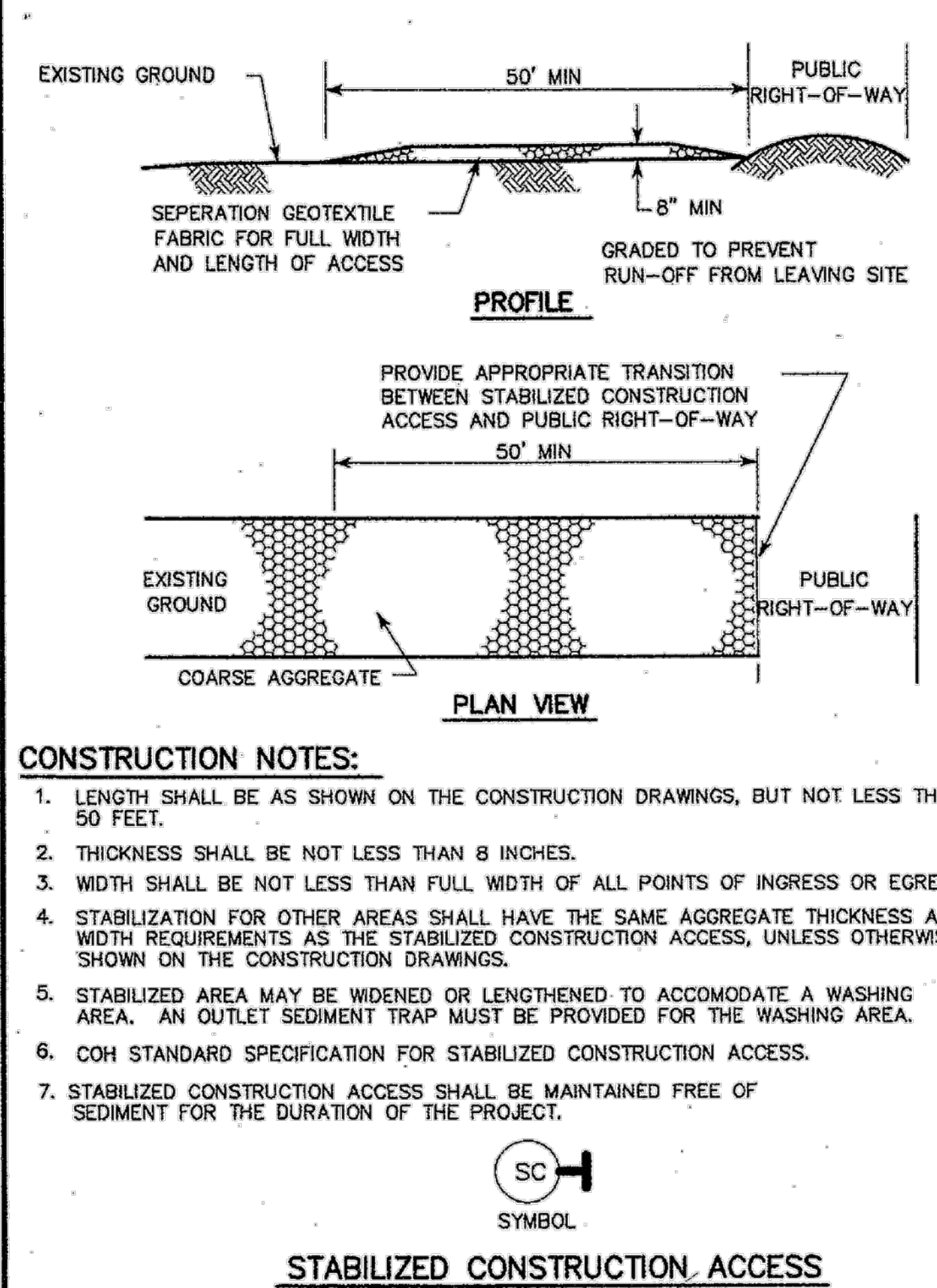
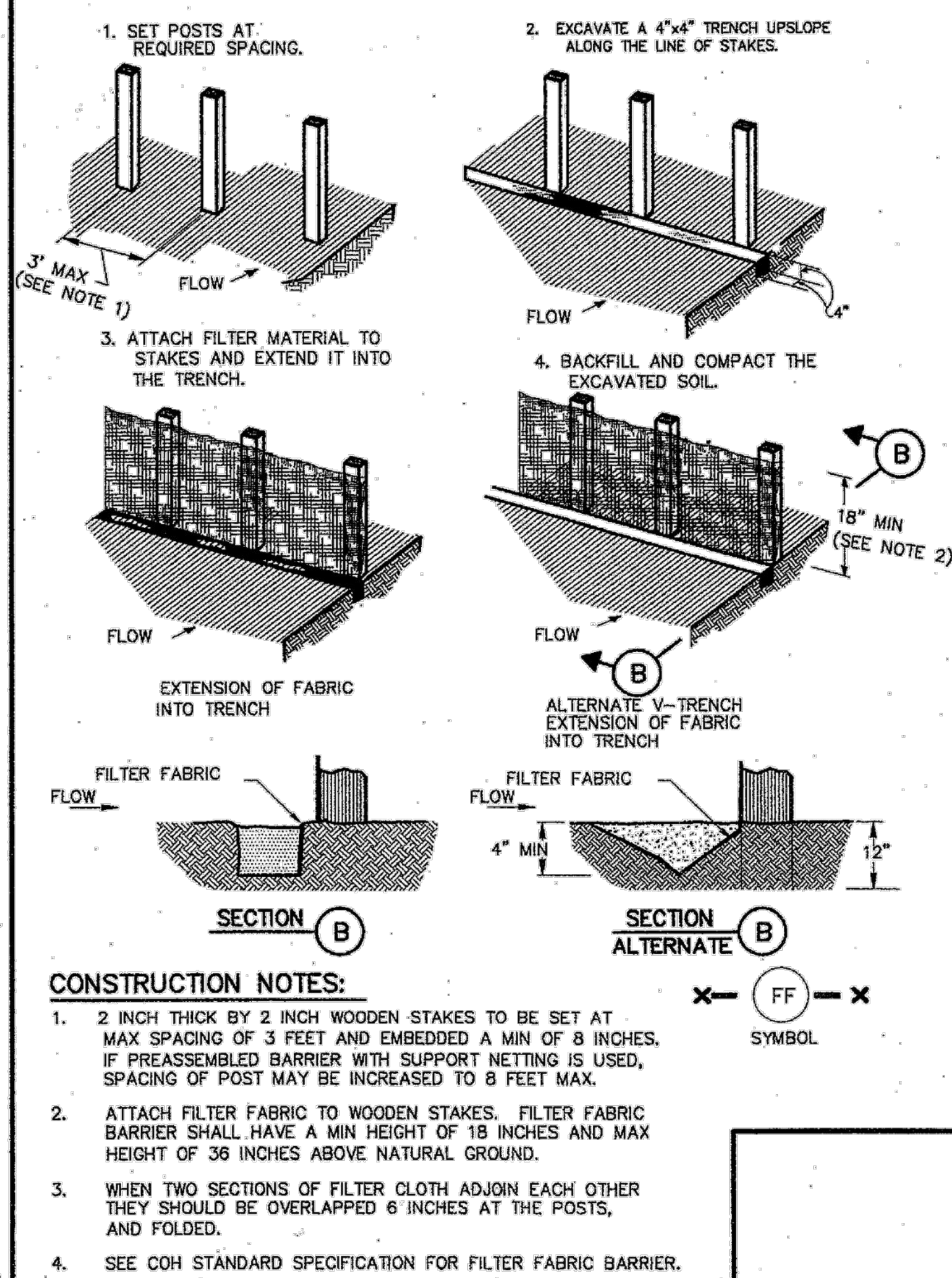
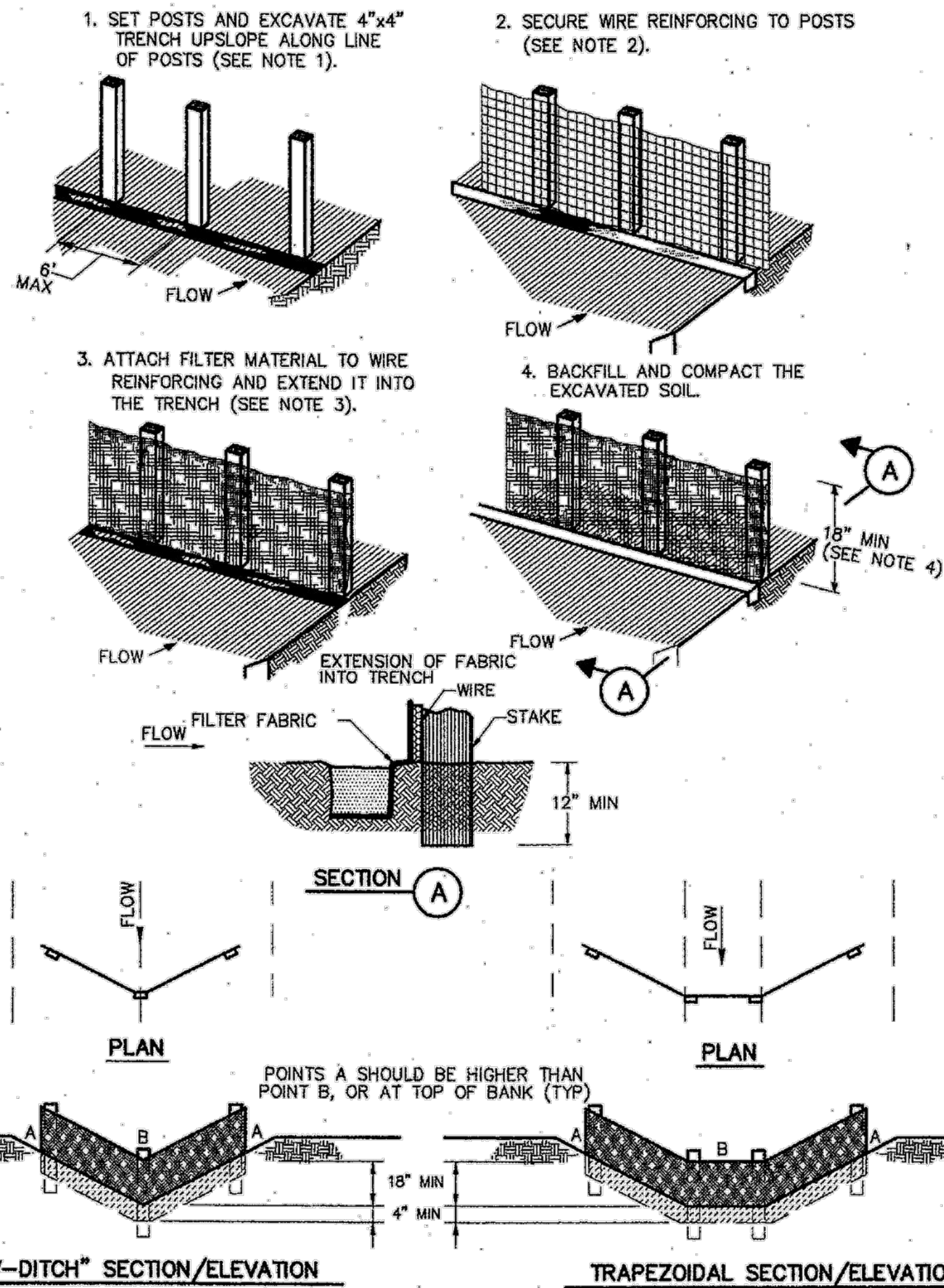
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GALVESTON COUNTY
ENGINEERING DEPARTMENT

BEACH POCKET PARK No. 2
STORM WATER POLLUTION
PREVENTION PLAN

SHEET 13
OF 14



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STORM WATER POLLUTION PREVENTION PLAN DETAILS
(NOT TO SCALE)

APPROVED: *[Signature]* CITY ENGINEER
APPROVED: *[Signature]* DIRECTOR OF PUBLIC WORKS AND ENGINEERING

EFF DATE: JULY-01-2010 DWG NO: 01571-01



NO.	REVISION	BY	DATE

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SCALE: _____
DATE: _____

GALVESTON COUNTY
ENGINEERING DEPARTMENT

BEACH POCKET PARK No. 2
SWPPP DETAILS

SHEET 14
OF 14