

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

Fort Bend County Engineering Department 301 Jackson Suite 401

301 Jackson Suite 401 Richmond, Texas 77469 281.633.7500 Permits@fortbendcountytx.gov

	Right of Way	Permit Priveway Permit
	Permit No: 2018-22	
Appli	icant: VMB Equity Properties LLC	
Job I	ocation Site: 10007 Clodine Road, Richmond,	TX 77407
Bono	No. Date of Bond:	Amount: \$15,000.00
Laying Road Comr Texas	g, Construction, Maintenance, and Repair of Buried s, Streets, Highways, and Drainage Ditches in Fort Be missioners Court of Fort Bend County, Texas," as pas	sed by the Commissioners Court of Fort Bend County, Bend County, Texas, to the extent that such order is not
Notes 1. 2. 3. 4.	Evidence of review by the Commissioners Court m grounds for job shutdown. Written notices are required: a. 48 hours in advance of construction is b. When construction is completed and Administrator thru MyGovernmentO This permit expires one (1) year from date of permiters	ready for final inspection, submit notification to Permit nline.org portal. it if construction has not commenced. c-of-ways owned and maintained by Fort Bend County only,
Comm		d carried, it is ORDERED, ADJUDGED AND DECREED that said the Commissioners Court of Fort Bend County, Texas, and
Signa By:	County Engineer	Presented to Commissioners Court and approved. Date Recorded 11-26-2018 Comm. Court No. 14L
Ву:	N/A Drainage District Engineer/Manager	Clerk of Commissioners Court By: Deputy



PERMIT APPLICATION REVIEW FORM FOR CABLE, CONDUIT, AND POLE LINE ACTIVITY **IN FORT BEND COUNTY**

Fort Bend County

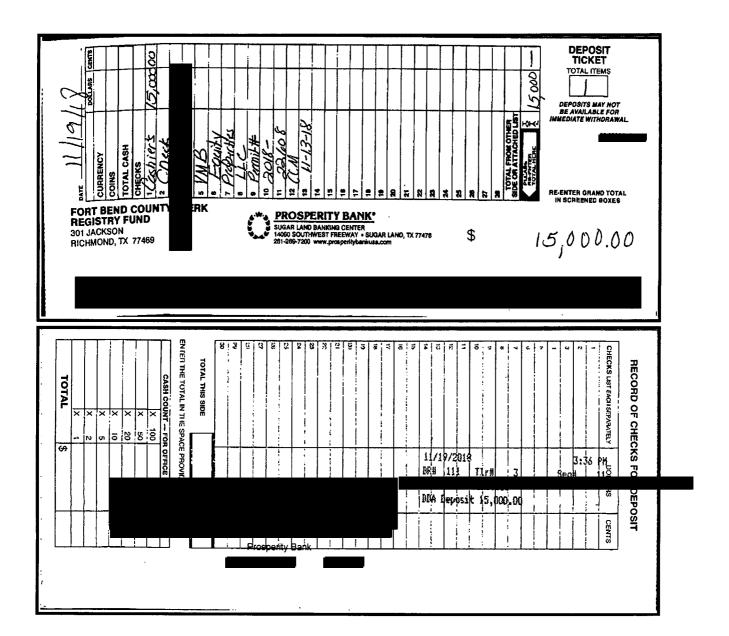
Engineering Department 301 Jackson Suite 401 Richmond, Texas 77469 281.633.7500 Permits@fortbendcountytx.gov

Rigi	nt of Way Permit		
X Con	nmercial Driveway Pe	rmit	
Permit No	: 2018-22608		
The following "Notice of Proposed Cable, Condattachments have been reviewed and the notic of Fort Bend County, Texas.			
(1) COMPLETE APPLICATION FORM:			
X a. Name of road, street, and/or	r drainage ditch affecte	d.	
X b. Vicinity map showing course	of directions		
X c. Plans and specifications			
(2) BOND:			
County Attorney, approval whe applicable.	n		
Perpetual bond currently posted.	Bond No:	Amount:	
Performance bond submitted.	Bond No:	Amount:	
X Cashier's Check	Check No:	Amount: \$15,000.00	
(3) DRAINAGE DISTRICT APPROVAL (WHE	EN APPLICABLE):	Date	
We have reviewed this project and agree it r	neets minimum requi	rements.	
La Efter		11/2/2018	
Permit Administrator		Date	



CASHIER'S CHECK N

NOTICE TO CUSTOMERS THE PURCHASE OF AN INDEMNITY BOND WILL BE REQUIRED BEFORE THIS CHECK WILL BE REPLACED OR REFUNDED IN THE EVENT IT IS LOST, MISPLACED OR STOLEN.	AUTHORIZED SIGNATURE AUTHORIZED SIGNATURE
Fifteen Thousand and 00/100**************	
PAY TO THE ORDER OF FORT BEND COUNTY	\$\$15,000.00
REMITTER VMB EQUITY PROPERTIES LLC	Aug 8, 2018





PRINT

Order Confirmation

Fort Bend County, Office of County Clerk

301 Jackson Street Richmond, TX 77469

TXCLASS

Order Date:

11/21/2018

Order Number:

Authorized

Participant Name:

Fort Bend County, Office of County Clerk

Account Name:

CCM2018-

Account Number:

Transaction Type:

Transaction Amount:

Contribution \$15,000.00

Bank Name:

PROSPERITY BANK

Bank Account No:

Payment Type:

ABA:

Payment Instructions:

Please note you have made an ACH Contribution, these funds will not be available for withdrawal until the following business day.

Memo:

Email: clientservices@texasclass.com

Tel: (800) 707-6242 Fax: (855) 848-9910

www.texasclass.com

Linda Willis

DEPOSIT

PERMIT # 2018-22608

STYLE: VMB Equity Properties LLC

NAME PUT INTO TEXAS CLASS AS:

TEXAS CLASS ACCOUNT NUMBER

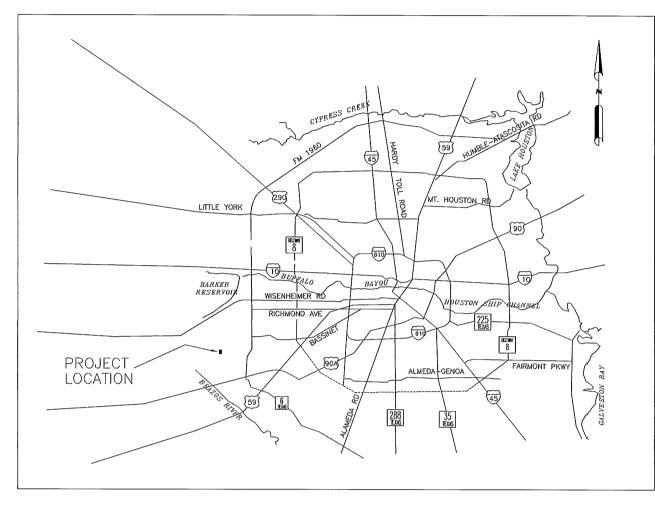
DEPOSIT AMOUNT: \$15,000.00

DATE RECEIVED: 11/13/2018

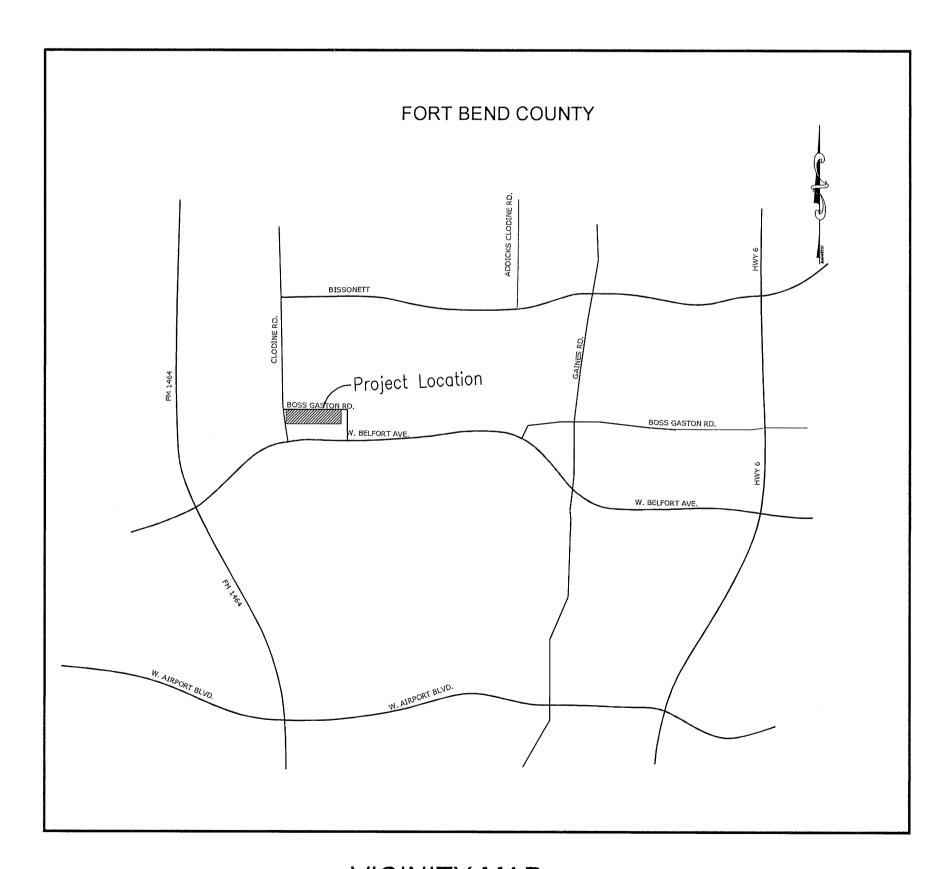
DATE TRANSFERRED TO TEXAS CLASS: 11/20/2018

\approx SCIENCE

SCHOOL OF SCIENCE & TECHNOLOGY RICHMOND, TX FBCFWD #2



LOCATION MAP



VICINITY MAP N.T.S. FORT BEND COUNTY, TEXAS KEY MAP: 527-T & U

SHFFT INDEX

NO.	DESCRIPTION
1	COVER
2	OVERALL SITE LAYOUT & GRADING PLAN
3	OVERALL SITE LAYOUT & DRAINAGE PLAN
4	PLAN & PROFILES
5	DETENTION POND CROSS SEC.
6	NOTES, DRIVEWAY & GREASE TRAP DETAILS
7	STORM WATER LIFT STATION
8	TXDOT DETAILS #1
9	TXDOT DETAILS #1 & SANT. STACK DETAIL

NOTE:

Fort Bend County Fresh Water Supply District 2.

This tract is located within the bounderies of

Contractor is to contact both the District's Operator and Engineer 48 hours in advance of mobilizing to the site.

Environmental Development Partners 17495 Village Green Houston, TX 77040 832-467-1599

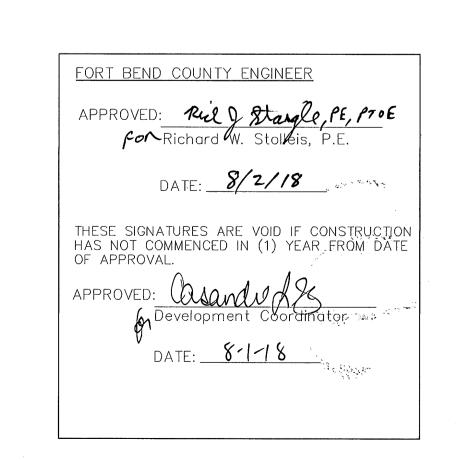
Sherrington—Humble, LLC 9829 Whithorn Drive Houston, TX 77095 281—656—8837

NOTE:

- 1. Only the District Operator is authorized to operate the District's water distribution facilities.
- 2. The District Operator will furnish and install all meters and make all taps in accordance with the District's Rate Order.
- 3. The Contractor will furnish and install all backflow preventors.
- 4. The District Operator is to inspect all water, sanitary, and storm utilities prior to placement of any bedding and backfill material.

NOTE:

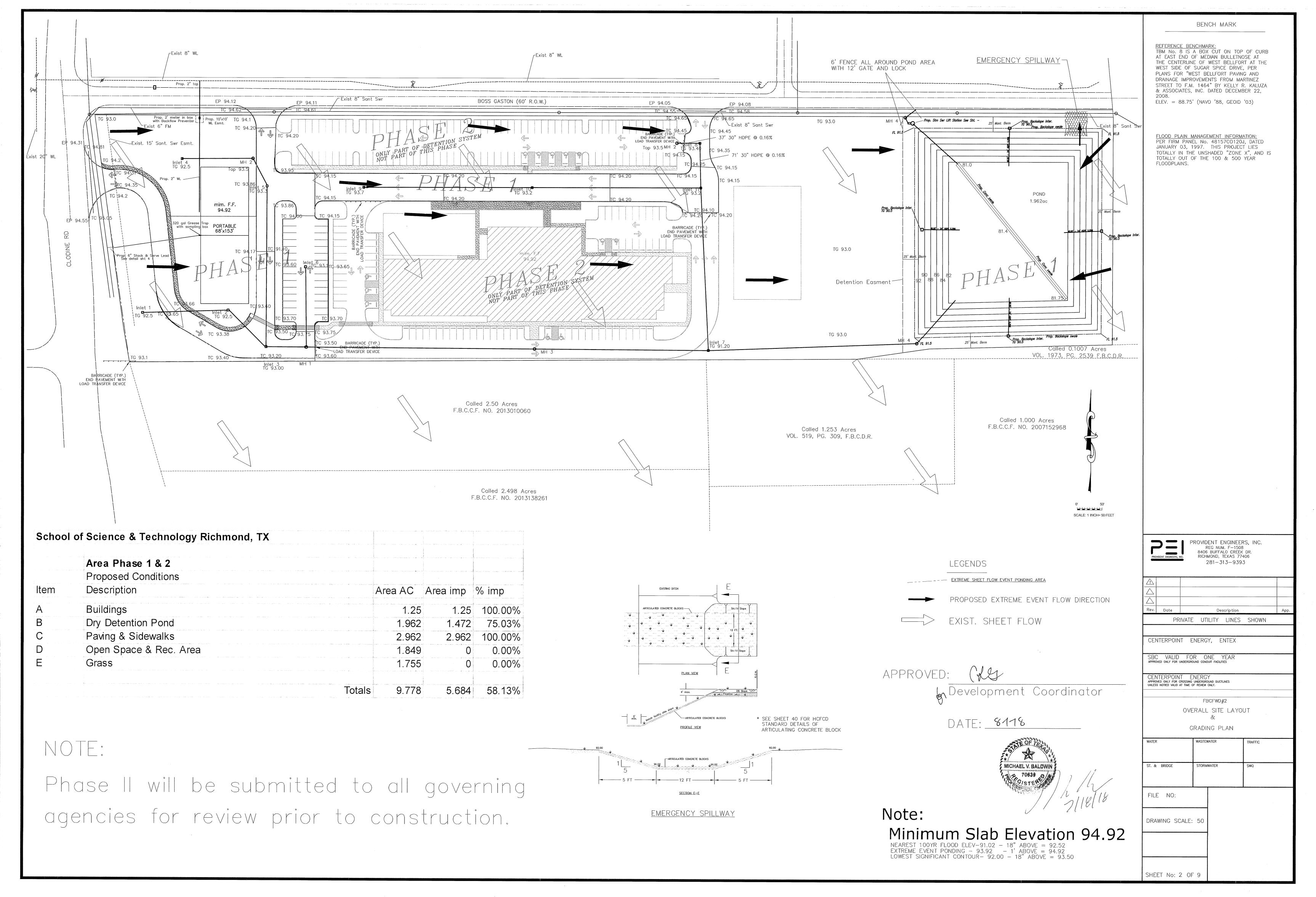
Owner will be responsible for all maintenance of detention pond and Pumping system.

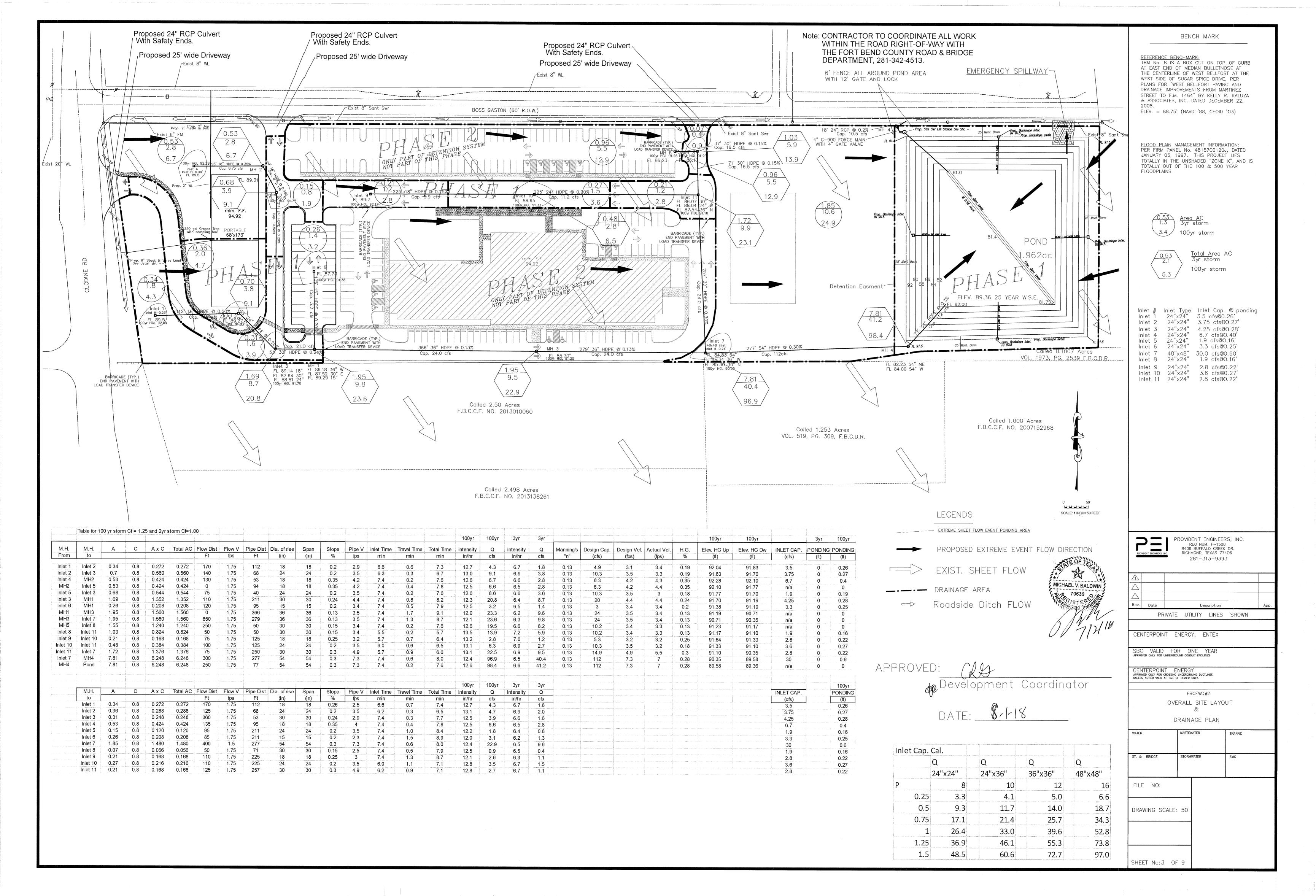


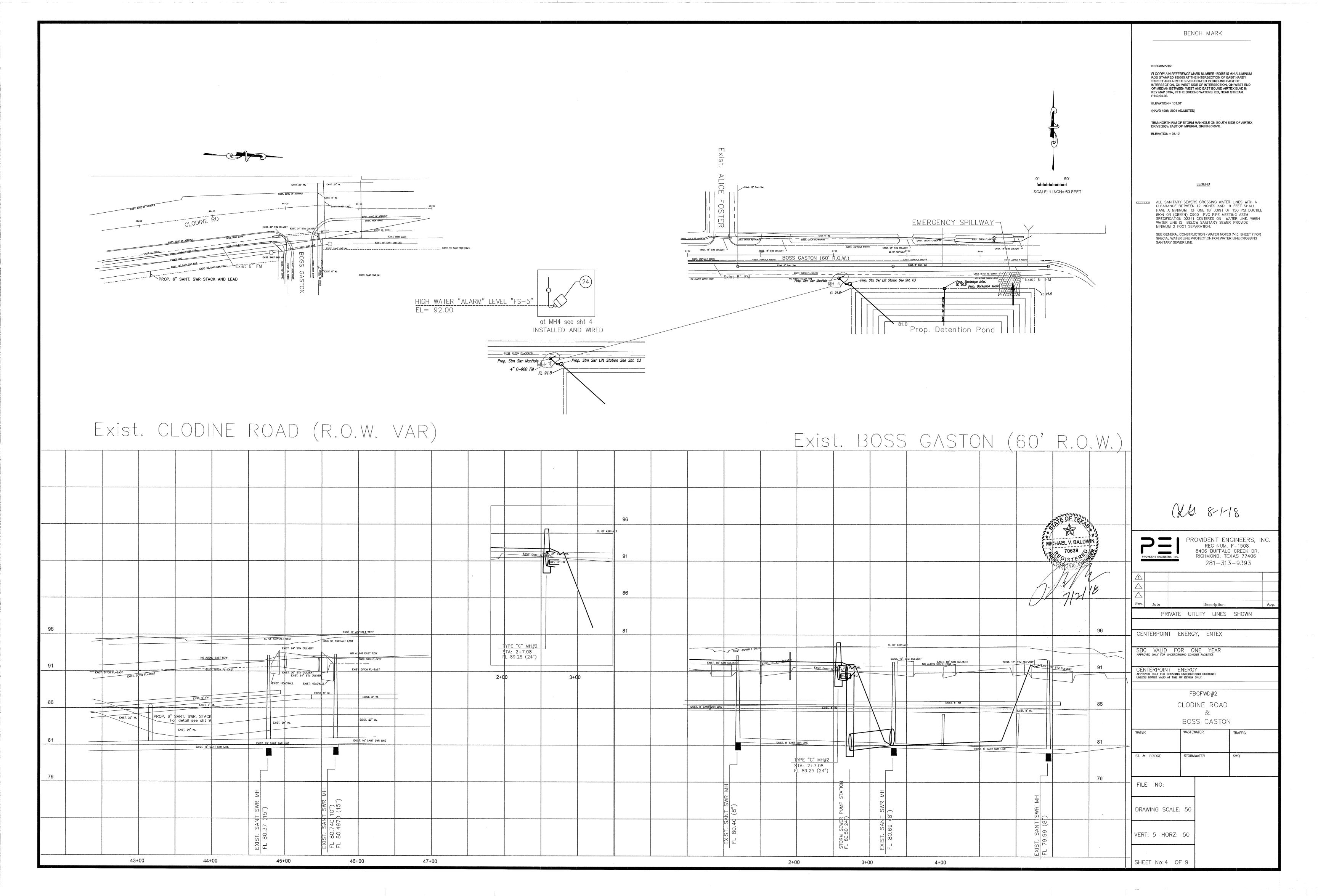


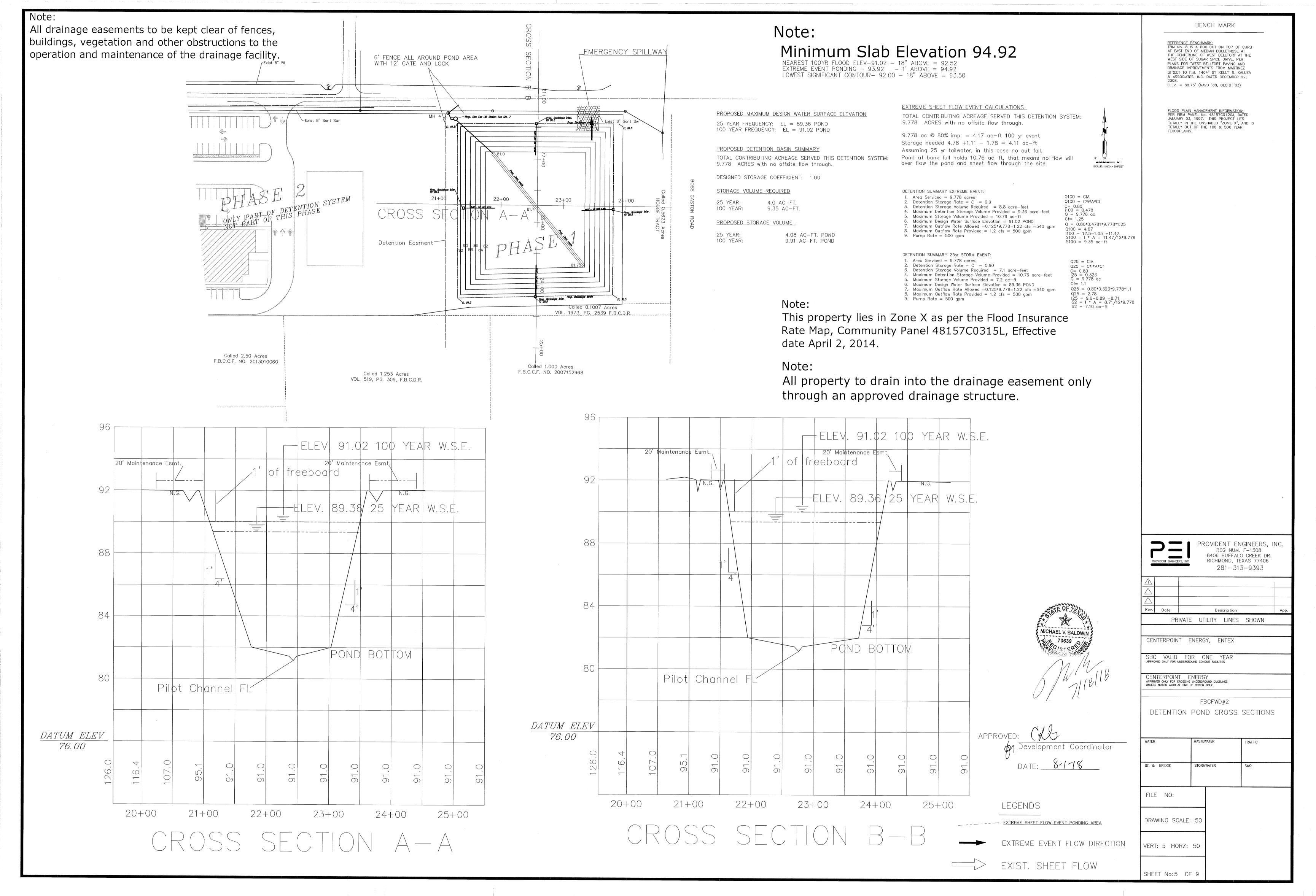
PROVIDENT ENGINEERS, INC. REG NUM. F-1508 8406 BUFFALO CREEK DR. RICHMOND, TEXAS 77406 SURVEYED BY: FB NO.

SHEET NO 1 OF 9 SHEETS





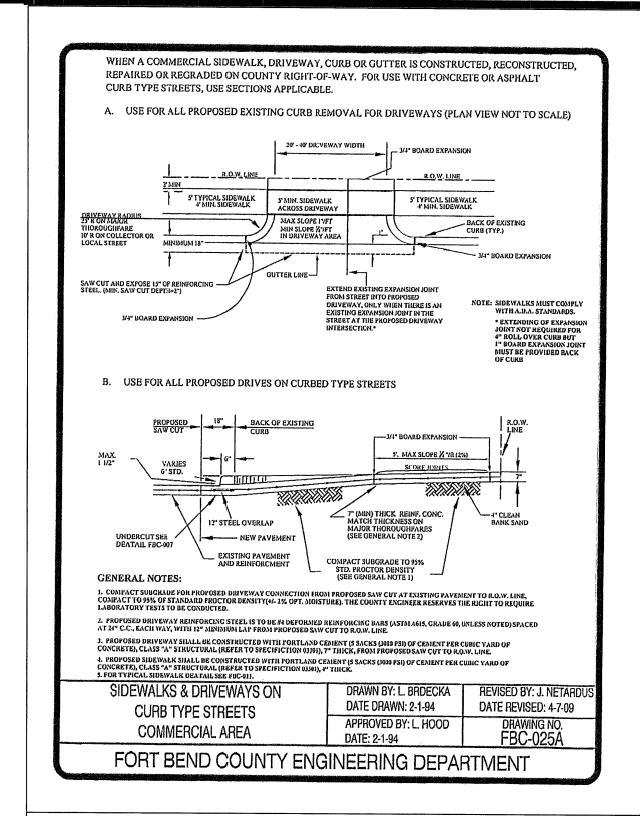


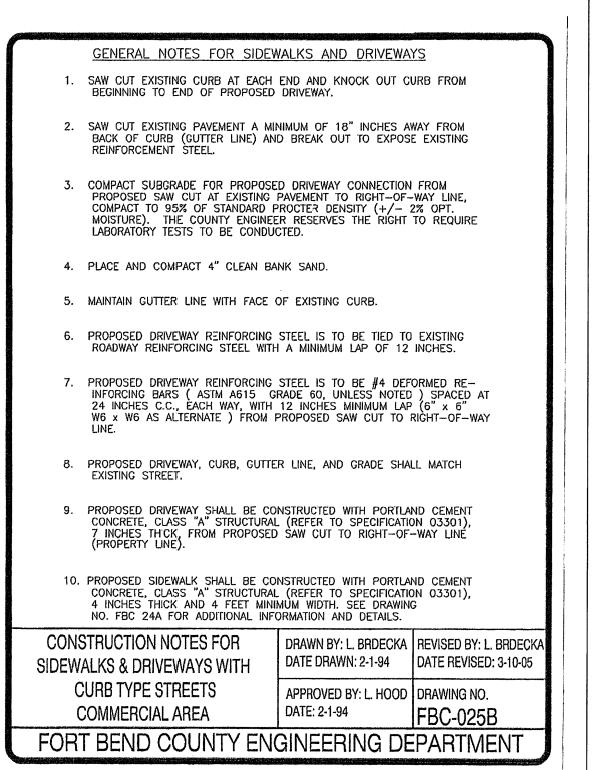


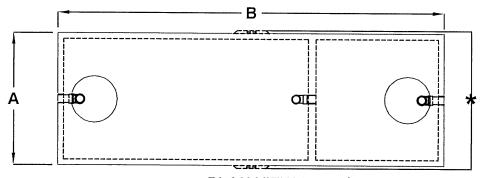
Fort Bend County Construction - General Notes

- Fort Bend County must be invited to the Pre-Construction Meeting.
- Contractor shall notify Fort Bend County Engineering Department 48 hours prior to commencing construction and 48 hour notice to any construction activity within the limits of the paving at Construction@fortbendcountytx.gov.
- 3. Contractor is responsible for obtaining all permits required from Fort Bend County prior to commencing construction of any improvements within County road right of ways.
- 4. All Paving Improvements shall be constructed in accordance with Fort Bend County "Rules, Regulations and Requirements" relating to the Approval and Acceptance of Improvements in Subdivisions as currently amended.
- All road widths, curb radii and curb alignment shown indicates back of curb
- A continuous longitudinal reinforcing bar shall be used in the curbs.
- All concrete pavement shall be 5 ½ sack cement with a minimum compressive strength of 3500 psi at 28 days. Transverse expansion joints shall be installed at each curb return and at a maximum spacing of 60 feet.
- All weather access to all existing streets and driveways shall be maintained at all times.
- 9. 4"x 12" reinforced concrete curb shall be placed in front of single family lots only. All other areas shall be 6" reinforced concrete curb.
- 10. At all intersection locations, Type 7 ramps shall be place in accordance with TXDOT Ped-12a standard detail sheet. A.D.A. – Handicap Ramps shall be installed with street paving at all intersections and comply with current A.D.A. regulations.
- 11. Curb headers are required at curb connections to Handicap Ramps, with no construction joint within 5' of ramps.
- 12. All intersections utilizing Traffic Control measures shall have A.D.A. wheel chair ramps installed.
- 13. Guidelines are set forth in the Texas "Manual on Uniform Traffic Control Devices", as currently amended, shall be observed. The Contractor shall be responsible for providing adequate flagmen, signing, striping and warning devices, etc., during construction – both day and night.
- 14. All R1-1 stop signs shall be 30"x30" with diamond grade sheeting per Texas manual on uniform traffic control devices.
- 15. Street name signage shall be on a 9" high sign flat blade w/reflective green background. Street names shall be upper and lowercase lettering with uppercase letters of 6" minimum and lowercase letters of 4.5" minimum. The letters shall be reflective white. Street name signs shall be mounted on stop sign post.
- 16. A Blue Double Reflectorized button shall be placed at all Fire Hydrant locations. The Button shall be placed 12 inches off of the centerline of the street on the same side as the hydrant.
- 17. The project and all parts thereof shall be subject to inspection from time to time by inspectors designated by Fort Bend County. No such inspections shall relieve the Contractor of any of its obligations hereunder. Neither failure to inspect nor failure to discover or reject any of the work as not in accordance with the drawings and specifications, requirements and specifications of Fort Bend County or any provision of this project shall be construed to imply an acceptance of such work or to relieve the Contractor of any of its obligations hereunder.

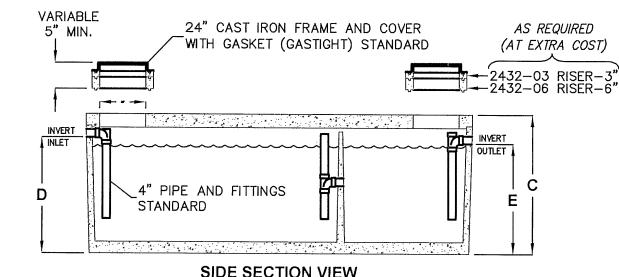
NOTE: Fort Bend County notes supersede any conflicting notes.







PLAN VIEW (COVER'S REMOVED)



	SIDE SECTION VIEW								
MODEL NUMBER	LIQUID CAPACITY (GALLONS)	DIM A	DIM B	DIM C	DIM D	DIM E	MINIMUM EXCAVATION WIDTH	MINIMUM EXCAVATION LENGTH	DEPTH OF BURY
JP320EE-G	320	3'-0"	7'-0"	4'-6"	3'-7"	3'-4"	4'-0"	8'-0"	1' TO 8'
JP500EE-G	500	4'-0"	6'-0"	5'-10"	4'-10"	4'-7"	5'-0"	7'-0"	1' FO 6'
JP750EE-G	750	4'-0"	8'-1"	6'-0"	5'-0"	4'-9"	5'-3"	9'-1"	1' TO 6'
JP1000EE-G	1000	5'-1"	8'-2"	6'-0"	5'-0"	4'-9"	6'-4"	9'-2"	1' TO 6'
JP1200EE-G	1200	5'-9"	8-6	6'-0"	5'-0 "	4'-9"	7'-0"	9'-6"	1' TO 6'
JP1500EE-G	1500	5'-7"	10'-8"	6'-0"	5'-0"	4'-9"	6'-10"	11'-8"	1' TO 6'
JP2000EE-G	2000	4'-11"	15'-11"	6'-0"	5'-0"	4'-9"	5 ' -11"	16'-11"	1' TO 6'
JZ2500EE-G	2500	5'-9"	16'- 10"	6'-0"	5'-0"	4'-9"	6'-9"	17'-10"	1' TO 5'
JZ3000EE-G	3000	5'-9"	16'-10"	6'-9"	5'-9"	5'-6"	6'-9**	<u> 17'-10"</u>	1' TO 5'
JZ4000EE-G	4000	7'-8"	16'-7"	6'-9"	5'-6"	5'-3"	8'-8"	17'-7"	1' TO 5'
JZ5000EE-G	5000	7'-8"	16'-7"	7'-11"	6'-9"	6'-6"	8'-8"	17'-7"	1 10-4'

*OVERALL WIDTH CAN VARY WITH TANK MODEL. USE EXCAVATION WIDTH FOR SITE PLANNING.

24" CAST IRON FRAME

& COVER WITH GASKET

BOX DESIGN LOAD: H-20 TRAFFIC

FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

SAMPLE BOX WITH PIPE CONNECTORS MODEL EV200-H

(GASTIGHT) -AS REQUIRED - 2432-03 RISER-3 --- 2432-06 RISER-6" 2432-12 RISER-12" VARIABLE 24" MINIMUM ____ SEE DETAIL COMPACTED FILL -OR UNDISTURBED WITH PIPE EARTH (AFTER INSTALLATION) 6" DIA. TROUGH END VIEW

PIPE CONNECTOR BOX WEIGHT: 1350 LBS. -PLUMBING BETWEEN TANK & BOX BOX DESIGN LOAD: H-20 TRAFFIC SUPPLIED & INSTALLED BY SAMPLE BOX MUST BE PLACED ON CONTRACTOR SUITABLE BASE OF COMPACTED SOIL OR UNDISTURBED EARTH IN TRAFFIC CONDITION. FOR COMPLETE DESIGN AND PRODUCT INFORMATION,

CONTACT JENSEN PRECAST.

PRIVATE UTILITY LINES SHOWN CENTERPOINT ENERGY, ENTEX SBC VALID FOR ONE YEAR APPROVED ONLY FOR UNDERGROUND CONDUIT FACILITIES CENTERPOINT ENERGY
APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES
UNLESS NOTIED VALID AT TIME OF REVIEW ONLY. FBCFWD#2 NOTES Driveway Detail Grease Trap Detail WASTEWATER

CLS 8-1-18

PROVIDENT ENGINEERS, INC.

REG NUM. F-1508

8406 BUFFALO CREEK DR.

RICHMOND, TEXAS 77406

281-313-9393

BENCH MARK

FILE NO:

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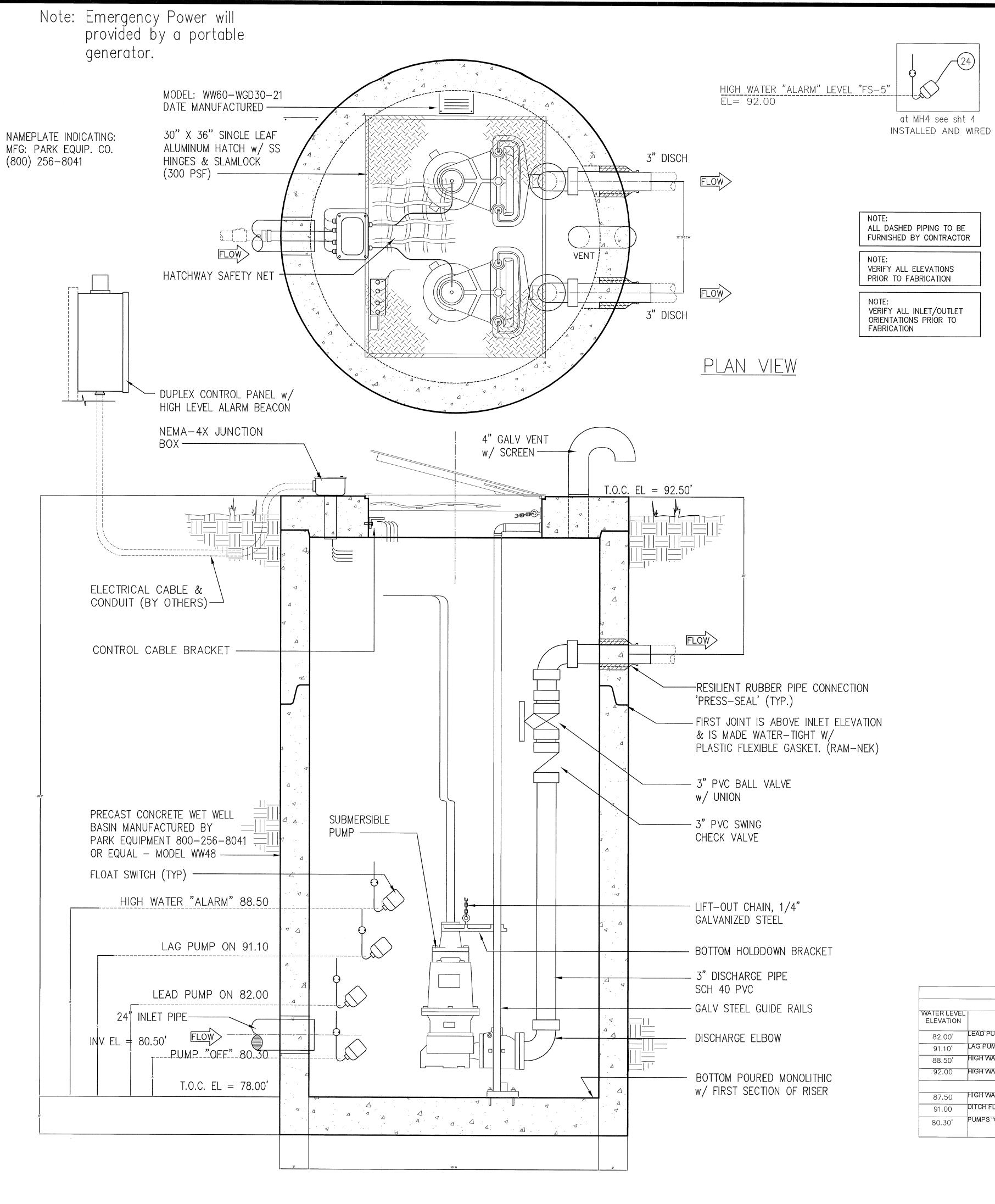
MICHAEL V. BALDWIN

70639

DRAWING SCALE: N/

VERT:N/A HORZ:N/A

SHEET No:6 OF 9



Specifications

CONCRETE:

Class 1 concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor, first stage of wall and baffle with sectional riser to required depth.

REINFORCEMENT:

Grade 60 reinforced with steel rebar conforming to ASTM A615 on required centers or equal.

ALUMINUM HATCH:

300 PSF rated, 1/4" aluminum skid-resistant floor plate, stainless steel tamperproof bolting & hinges & slamlock. (H-20 Rating Optional)

PUMPS:

Pumps shall be centrifugal type with integral grinder unit and submersible type motor. Pumps shall have a capacity as follows:

PUMP						ELECTRI	CA	
No.	TYPE	GPM	TDH	RPM	HF) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ЭΗ.	Hz
1	GRINDER	500	12'	1750	2	230/460	3	60
2	GRINDER	500	12'	1750	2	230/460	3	60

CONTROLS:

Pump controls shall be mounted inside a UL Listed NEMA-4X enclosure and include circuit breakers, alarm circuit fuse, IEC rated motor starter, pump HOA, and alternator relay. Panel shall have a visual alarm becon. Panel is designed for remote mounting.

Engineering Data

Field excavation and preparation shall be completed prior to delivery of assembly. Use dimensional data as shown. All pipe, valves and fittings of the assembly are approved by one of the following associations:



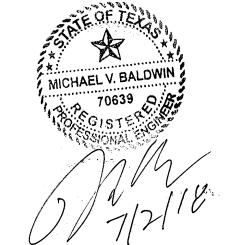






WW60-NCD3-420-10-20-43 MODEL NUMBER: WW60-NCD20-43 WET WELL SIZE (ID) POWER CHARACTERISTICS 48 - 48" DIA 43 - 460V/3PH/60Hz 60 - 60" DIA 23 - 230V/3PH/60hz 72 - 72" DIA 21 - 230V/1PH/60Hz ☐ 03 - 208V/3PH/60Hz PUMP CONFIGURATION S - SIMPLEX D - DUPLEX GRINDER PUMP SIZE 01 - 1.0 HP PARK 3° PARK 3° 20 - 2.0 HP 30 - 3.0 HP 50 - 5.0 HP __ 75 - 7.5 HP

	STATION OPERATION LE	EVELS					
RISING LEVEL CYCLE							
WATER LEVEL ELEVATION	ACTION	PUMPS IN OPERATION					
82.00'	LEAD PUMP TURNS "ON", FS-2	LEAD PUMP "ON"					
91.10'	LAG PUMP TURNS "ON", FS-3	LEAD & LAG PUMPS "ON"					
88.50'	HIGH WATER "ALARM" LEVEL, FS-4	HIGH LEVEL ALARM "ON"					
92.00	HIGH WATER IN DITCH, FS-5	ALL PUMPS "OFF"					
	to a real						
87.50	HIGH WATER ALARM, FS-4	HIGH LEVEL ALARM "OFF"					
91.00	DITCH FLOAT HIGH WATER, FS-5	ALL PUMPS "ON"					
80.30'	,	ALL PUMPS "OFF" LAG PUMP SWITCHES TO LEAD PUMP					
		1					



CLS APPROVED: Development Coordinator

DATE: 8-1-18

BENCH MARK

REFERENCE BENCHMARK: IBM No. 8 IS A BOX CUT ON TOP OF CURE AT EAST END OF MEDIAN BULLETNOSE AT THE CENTERLINE OF WEST BELLFORT AT TH WEST SIDE OF SUGAR SPICE DRIVE, PER PLANS FOR "WEST BELLFORT PAVING AND DRAINAGE IMPROVEMENTS FROM MARTINEZ STREET TO F.M. 1464" BY KELLY R. KALUZA & ASSOCIATES, INC. DATED DECEMBER 22, ELEV. = 88.75' (NAVD '88, GEOID '03)

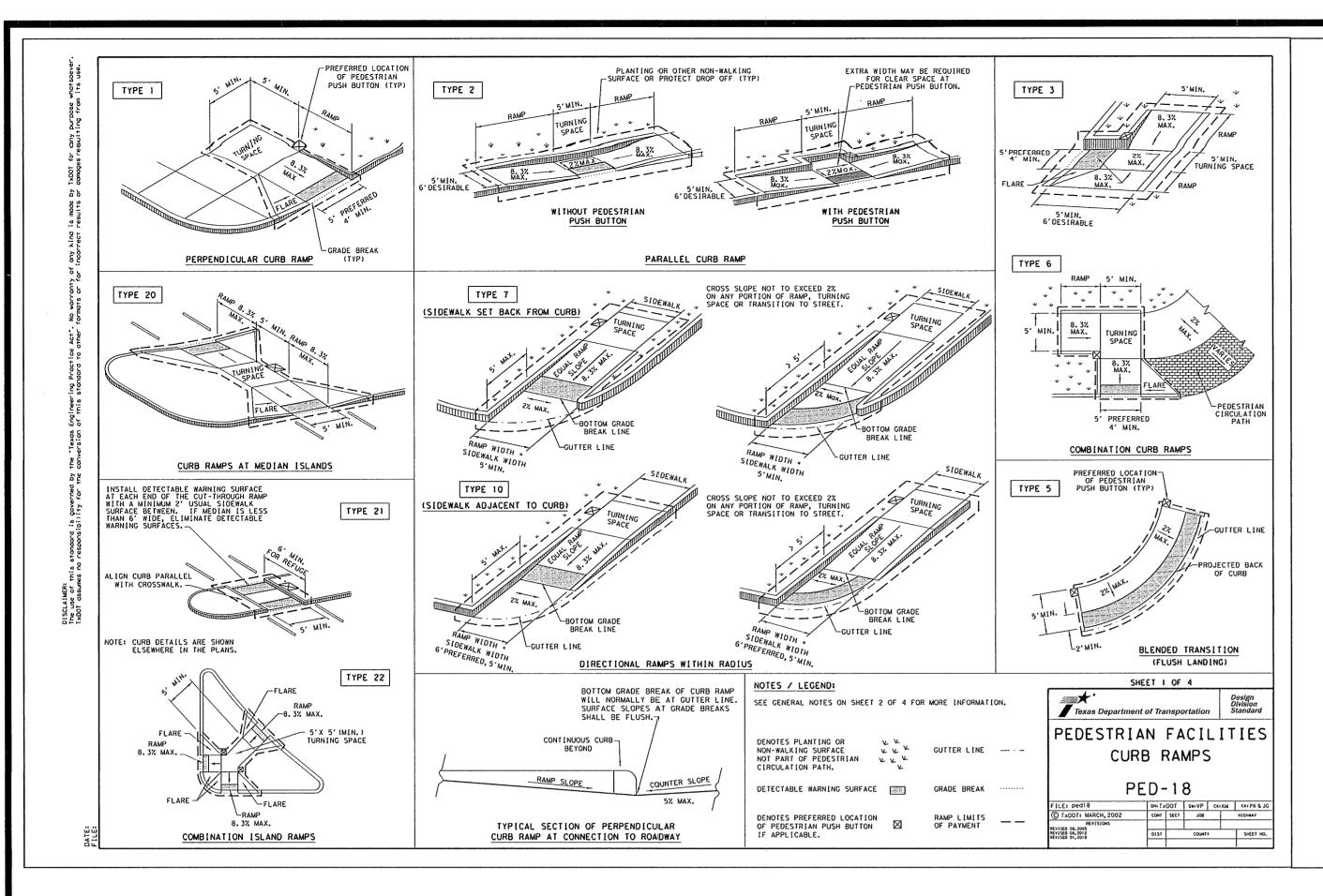
FLOOD PLAIN MANAGEMENT INFORMATION: PER FIRM PANEL No. 48157C0120J, DATED JANUARY 03, 1997. THIS PROJECT LIES TOTALLY IN THE UNSHADED "ZONE X", AND IS TOTALLY OUT OF THE 100 & 500 YEAR FLOODPLAINS.

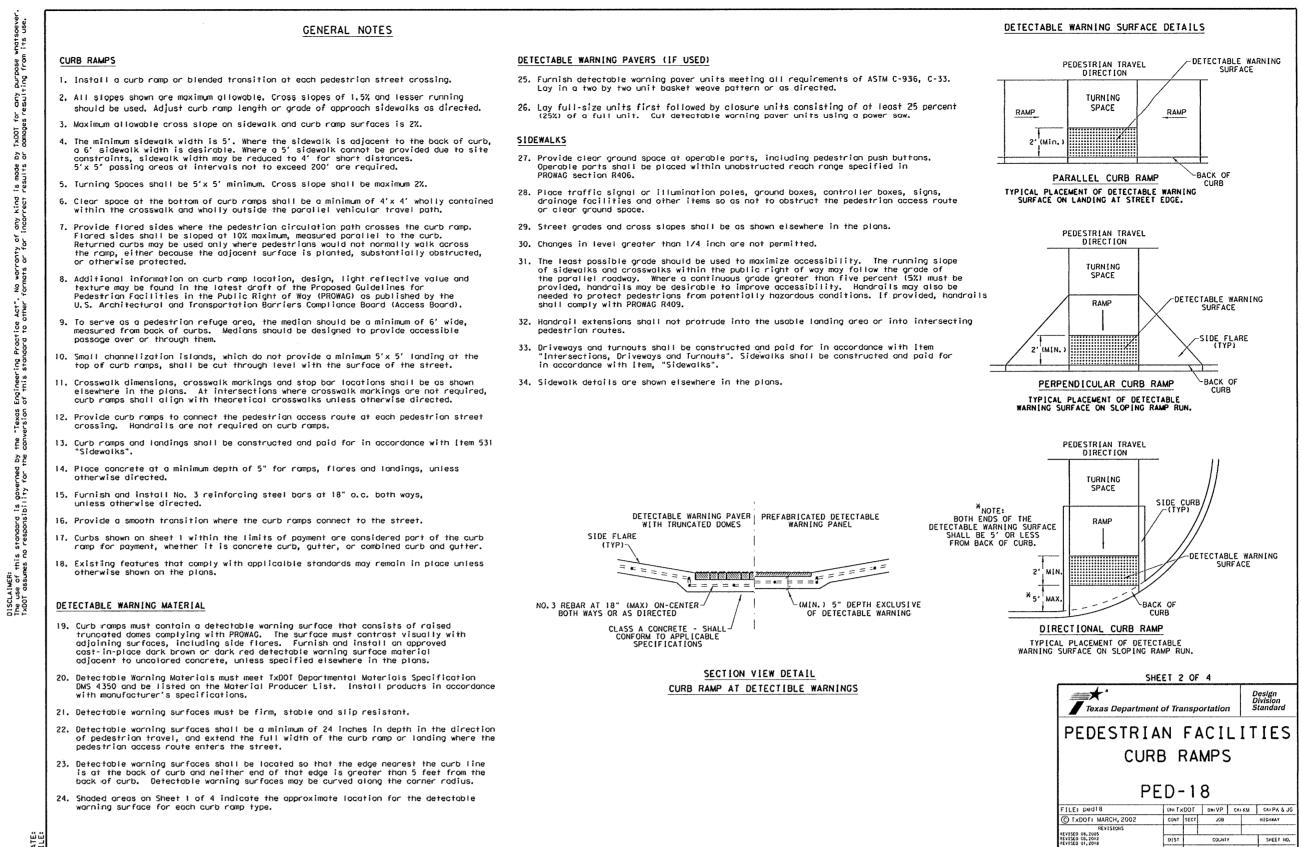
SEE GENERAL CONSTRUCTION - WATER NOTES 7-10, SHEET 7 FOR SPECIAL WATER LINE PROTECTION FOR WATER LINE CROSSING

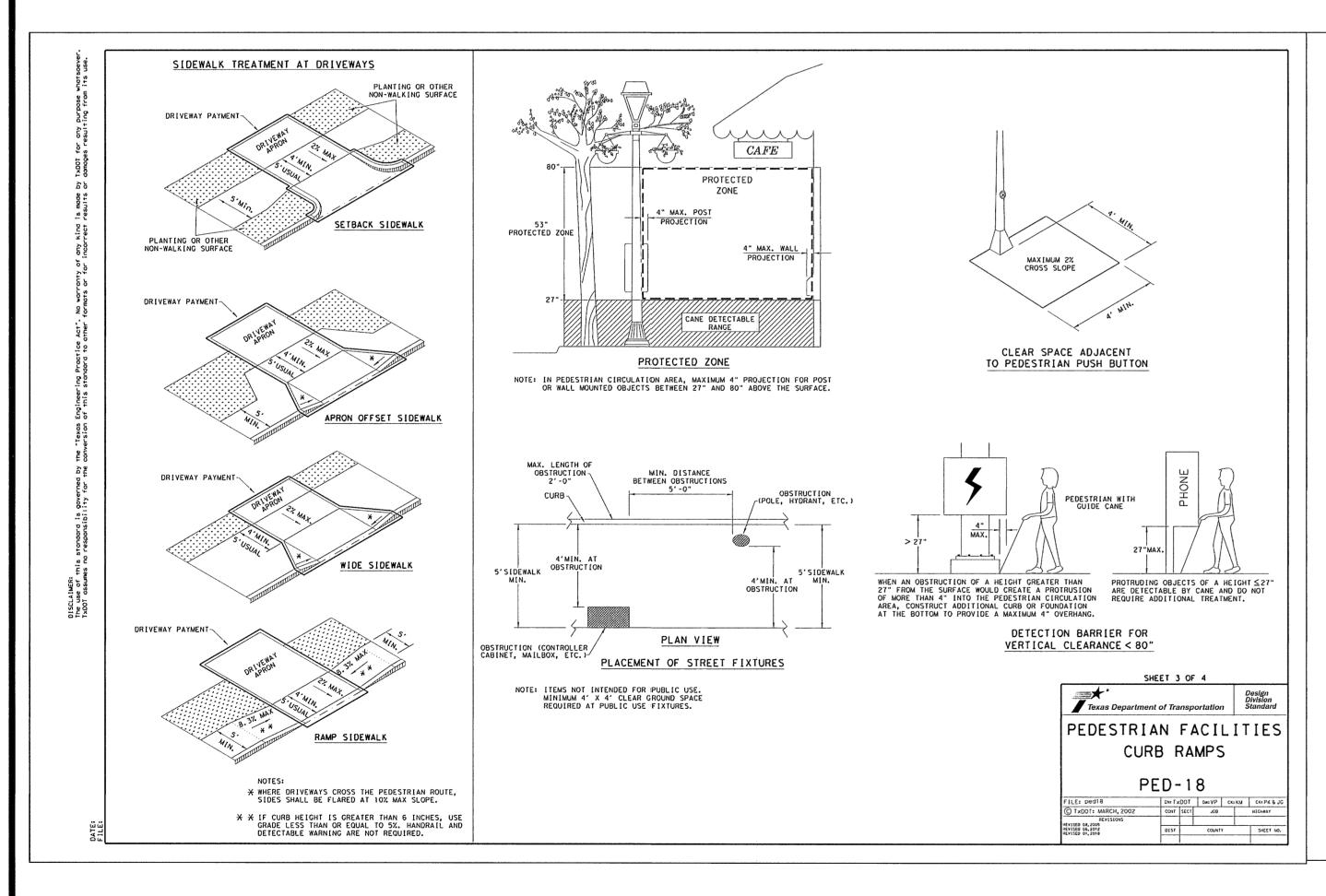
		KEYED NOTES
MAR K	QTY	DESCRIPTION
1	2	3" GRUNDFOS SUBMERSIBLE PUMP
2	2	3"x3" AUTO COUPLING BASE ELBOW
3	2	STAINLESS STEEL CHAINS
4	1	DUPLEX CONTROL PANEL NEMA 4X FRP (MOUNTED BY CONTRACTOR)
5	1	NOT USED
6	1	SS CABLE BRACKET
7	1	60" DIA x 19'-0" DEEP CONCRETE WET WELL
8	1	6" THK FLAT CONCRETE TOP
9	1	30"x48" SINGLE LEAF ALUMINUM HATCHWAY
10	1	SAFETY NET
11	1	4" GALVANIZED VENT
12	2	3" SCH 80 PVC DISCHARGE PIPE
13	2	3" SCH 80 PVC 90° ELL
14	2	SS UPPER GUIDE BRACKETS
15	2	3" FLG BALL CHECK VALVE
16	2	3" PVC BALL VALVE w/ UNIONS
17	4	SS GUIDE RAILS
18	2	3" ELECTRICAL COUPLING
19	4	FLOAT SWITCH
20	-	REBAR AS REQ'D
21	2	LIFT-OUT ASSEMBLY
22	2	RESILIENT RUBBER BOOT
23	~	ALL JOINTS MADE WATER-TIGHT W/ PLASTIC FLEXIBLE GASKET (RAM-NEK)
24	1	REMOTE MOUNT DITCH FLOAT (MOUNTED BY OTHERS)
25	1	NAMEPLATE INDICATING: MFG: PARKUSA 888-611-PARK WWW.PARK-USA.COM MODEL: ####################################

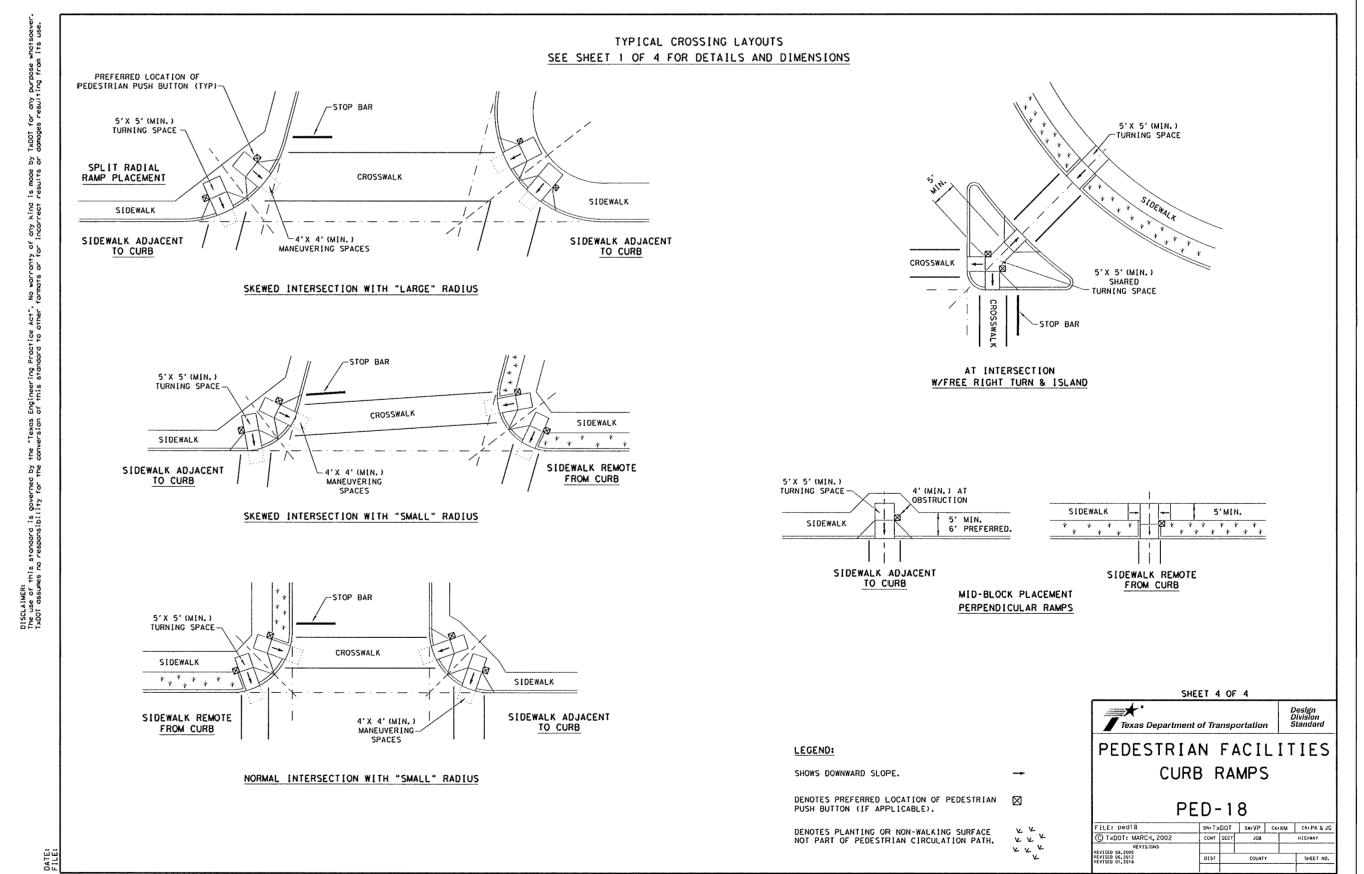
FR	ROVIDENT ENGINEER	as, Inc.	R 8406 RICHN	EG NUM. BUFFALC 10ND, TE	GINEERS, F-1508 CREEK DE XAS 77406 3-9393	₹.		
Rev.	Date			scription		A		
	PRI	VATE	UTILITY		SHOWN			
CEN APPRO	ITERPOINT	EN	NDERGROUND DUCT					
		 	FBCFW)#2	, , , , , , , , , , , , , , , , , , , ,			
STORMWATER LIFT STATION								
WATER	2		Wastewater		TRAFFIC			
ST. &	BRIDGE		STORMWATER		SWQ			

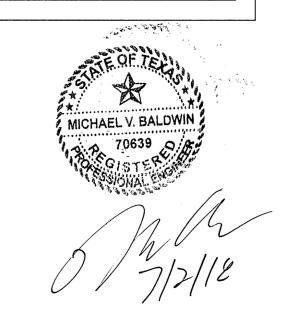
ST. & BRIDGE	STORMWATER		SWQ
FILE NO:			
DRAWING SCALE:	N/A		
VERT: N/A HORZ: N	1/A		
SHFFT No:7 OF	- 9		











(LD 8-1-18

BENCH MARK

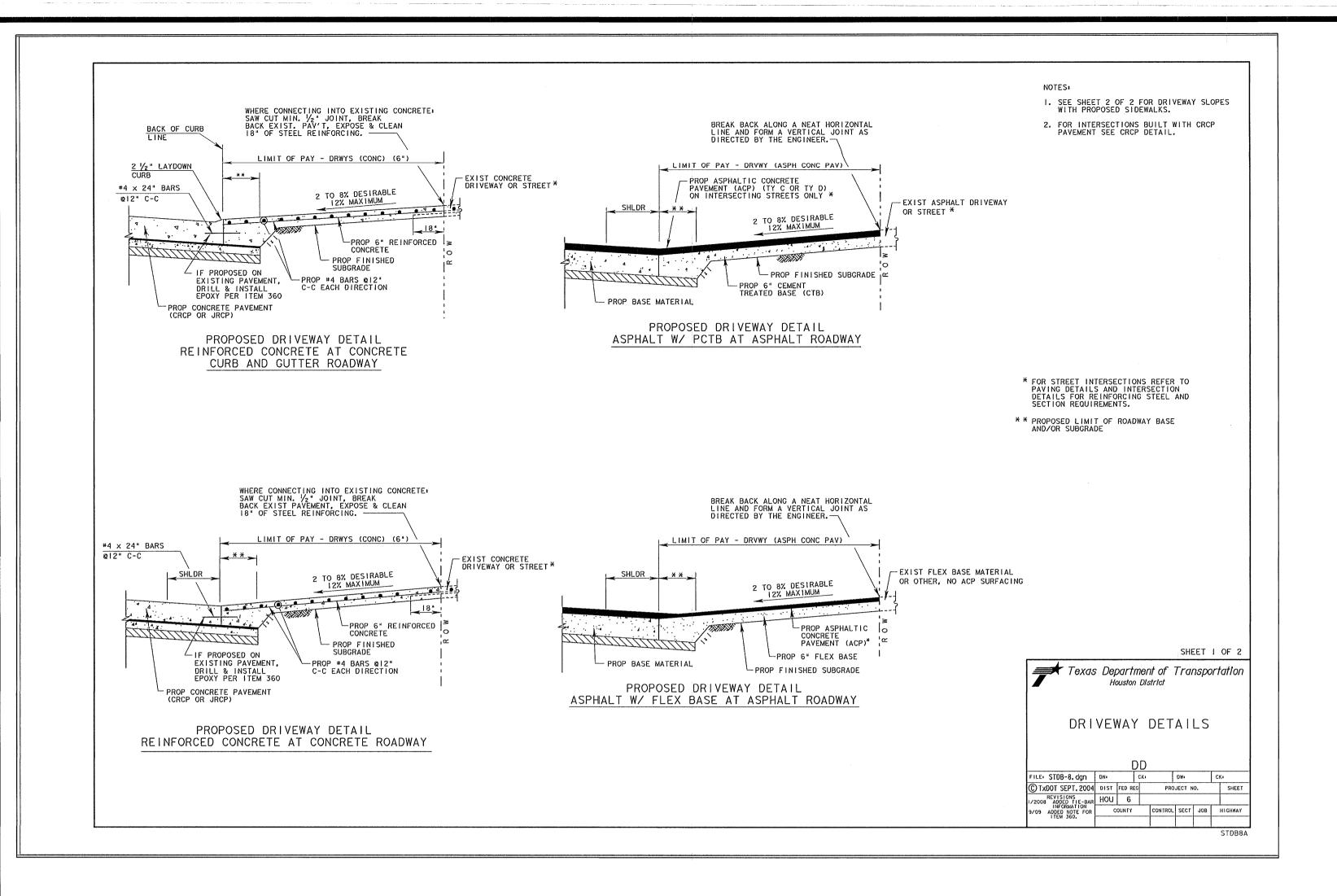
PROVIDENT ENGINEERS, INC. PROVIDENT ENGINEERS, INC. PROVIDENT ENGINEERS, INC. REG NUM. F-1508 8406 BUFFALO CREEK DR. RICHMOND, TEXAS 77406 281-313-9393										
\triangle										
Rev. Date	Description		Арр.							
PRIVATE	UTILITY LINES	SHOWN								
CENTERPOINT E	ENERGY, ENTEX									
SBC VALID FC APPROVED ONLY FOR UNDERGRO	OR ONE YEAR DUND CONDUIT FACILITIES									
CENTERPOINT E APPROVED ONLY FOR CROSSING UNLESS NOTIED VALID AT TIME (UNDERGROUND DUCTLINES									
	FBCFWD#2									
TXDOT DETAILS #1										
WATER	WATER WASTEWATER TRAFFIC									
ST. & BRIDGE	STORMWATER	SWQ .	· · · · · · · · · · · · · · · · · · ·							

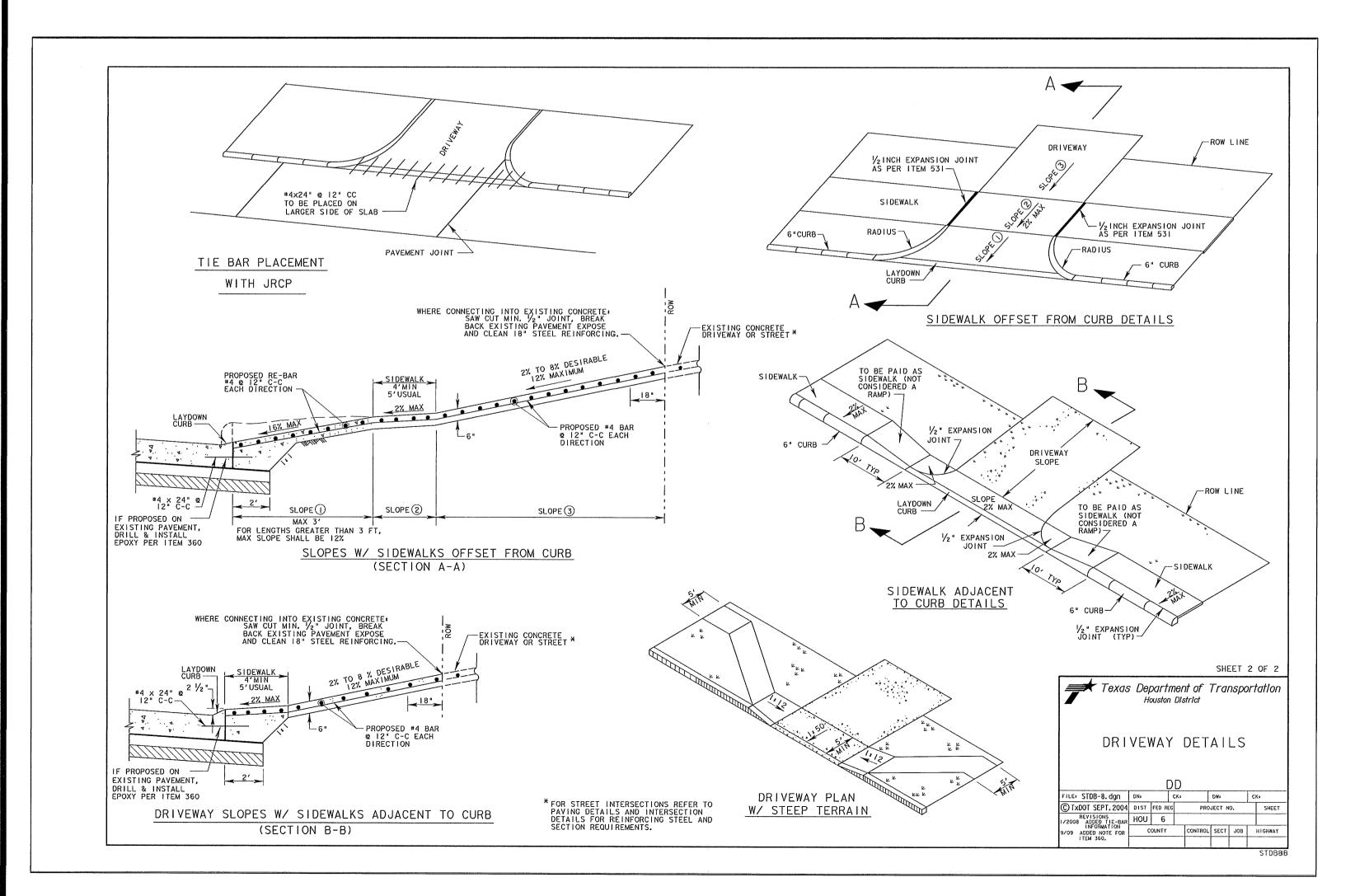
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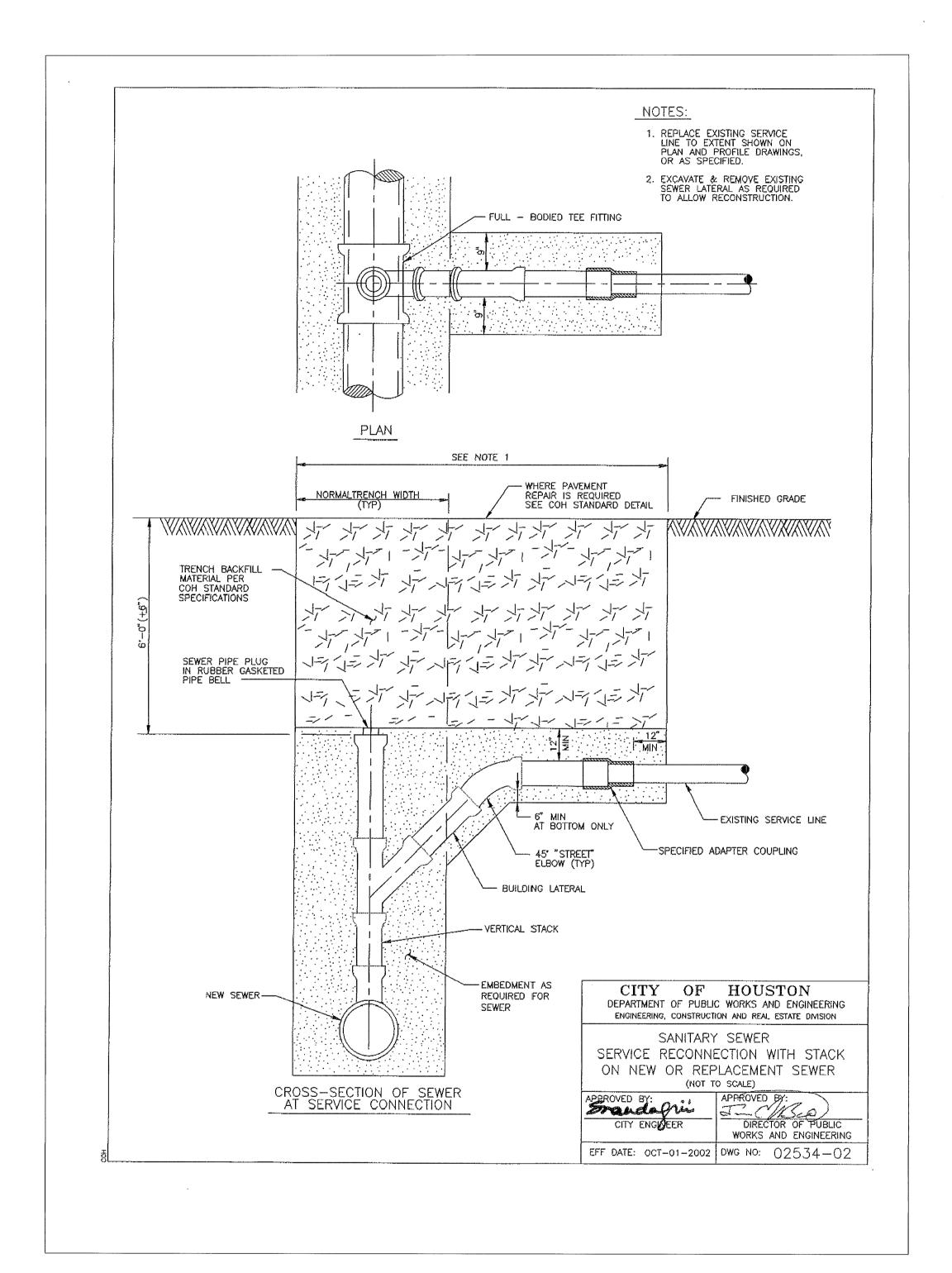
DRAWING SCALE: N/A

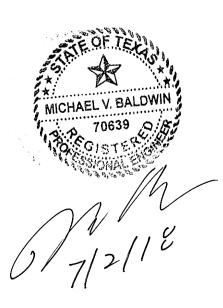
VERT:N/A HORZ:N/A

SHEET No:8 OF 8









(LL) 8-118

PROVIDENT ENGINEERS, INC.

REG NUM. F-1508
8406 BUFFALO CREEK DR.
RICHMOND, TEXAS 77406
281-313-9393

Rev. Date Description

PRIVATE UTILITY LINES SHOWN

SBC VALID FOR ONE YEAR APPROVED ONLY FOR UNDERGROUND CONDUIT FACILITIES

CENTERPOINT ENERGY, ENTEX

CENTERPOINT ENERGY APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES UNLESS NOTIED VALID AT TIME OF REVIEW ONLY.

FBCFWD#2

TXDOT DETAILS #2 & Sant. Stack Detail

ST. & BRIDGE STORMWATER SWQ

FILE NO:

DRAWING SCALE: 60

VERT: N/AHORZ: 60

SHEET No:9 OF 9

