



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytexas.gov

☐

Right of Way Permit

☒

Commercial Driveway Permit

Permit No: 2017-11220

Applicant: Dalton V Knight & Knight Family Trust

Job Location Site: 10452 Gaston Road, Katy, TX 77494

Bond No. **Date of Bond:** **Amount:** \$10,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 8th day of August, 2017, Upon Motion of Commissioner Meyer, seconded by Commissioner Morales, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Signature

By: Charles O. Ay

for County Engineer

N/A

By:

Drainage District Engineer/Manager

Presented to Commissioners Court and approved.

Date Recorded 8/15/17 Comm. Court No. 12E

Clerk of Commissioners Court

By: Debra Wilkins
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@fortbendcountytexas.gov

- ☐ Right of Way Permit
☒ Commercial Driveway Permit

Permit No: 2017-11220

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

(1) COMPLETE APPLICATION FORM:

- ☒ a. Name of road, street, and/or drainage ditch affected.
☒ b. Vicinity map showing course of directions
☒ c. Plans and specifications

(2) BOND:

- ☐ County Attorney, approval when applicable.
- ☐ Perpetual bond currently posted. Bond No: _____ Amount: _____
- ☐ Performance bond submitted. Bond No: _____ Amount: _____
- ☒ Cashier's Check Check No: [REDACTED] Amount: \$10,000.00

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

We have reviewed this project and agree it meets minimum requirements.

Charles O. Al

Permit Administrator

7/31/17

Date

Bank of America

Cashier's Check

Notice to Purchaser: In the event that this check is lost, misplaced or stolen, a sworn statement and 90-day waiting period will be required prior to replacement. This check should be negotiated within 90 days.

Void After 90 Days

30-1/1146

Date 07/24/17 12:44:27 PM

290 AND MASON

0001

0005497

0343

Pay



BANK OF AMERICA

ONE ZERO ZERO ZERO ZERO CTSCS

\$10,000.00

Ten Thousand and 00/100 Dollars

To The Order Of FORT BEND COUNTY

Remitter (Purchased By) DALTON V KNIGHT & KNIGHT FAMILY TRUST

Bank of America, N.A.
SAN ANTONIO, TX

[Signature]
AUTHORIZED SIGNATURE

THE ORIGINAL DOCUMENT HAS A REFLECTIVE WATERMARK ON THE BACK. HOLD AT AN ANGLE TO VIEW WHEN CHECKING THE ENDORSEMENTS.

**PRINT**

Order Confirmation

Fort Bend County, Office of County Clerk

301 Jackson Street
Richmond, TX 77469
U.S.A.

TXCLASS

Order Date: 8/15/2017 Order Number: TXO01876059

Participant Name: Fort Bend County, Office of County Clerk

Account Name: CCM2017-11220 DVKnight

Account Number: TXCLASS Authorized Linda Willis
[REDACTED]

Transaction Type: Contribution

Transaction Amount: \$10,000.00

Bank Name: PROSPERITY BANK

Bank Account No: XXXXXXXX-7036

Payment Type: ACH *Please note you have made an ACH Contribution, these funds*
ABA: [REDACTED] *will not be available for withdrawal until the following business*
day.

Payment Instructions:

Memo:

Email: clientservices@texasclass.com Tel: (800) 707-6242 Fax: (855) 848-9910 www.texasclass.com

DEPOSIT

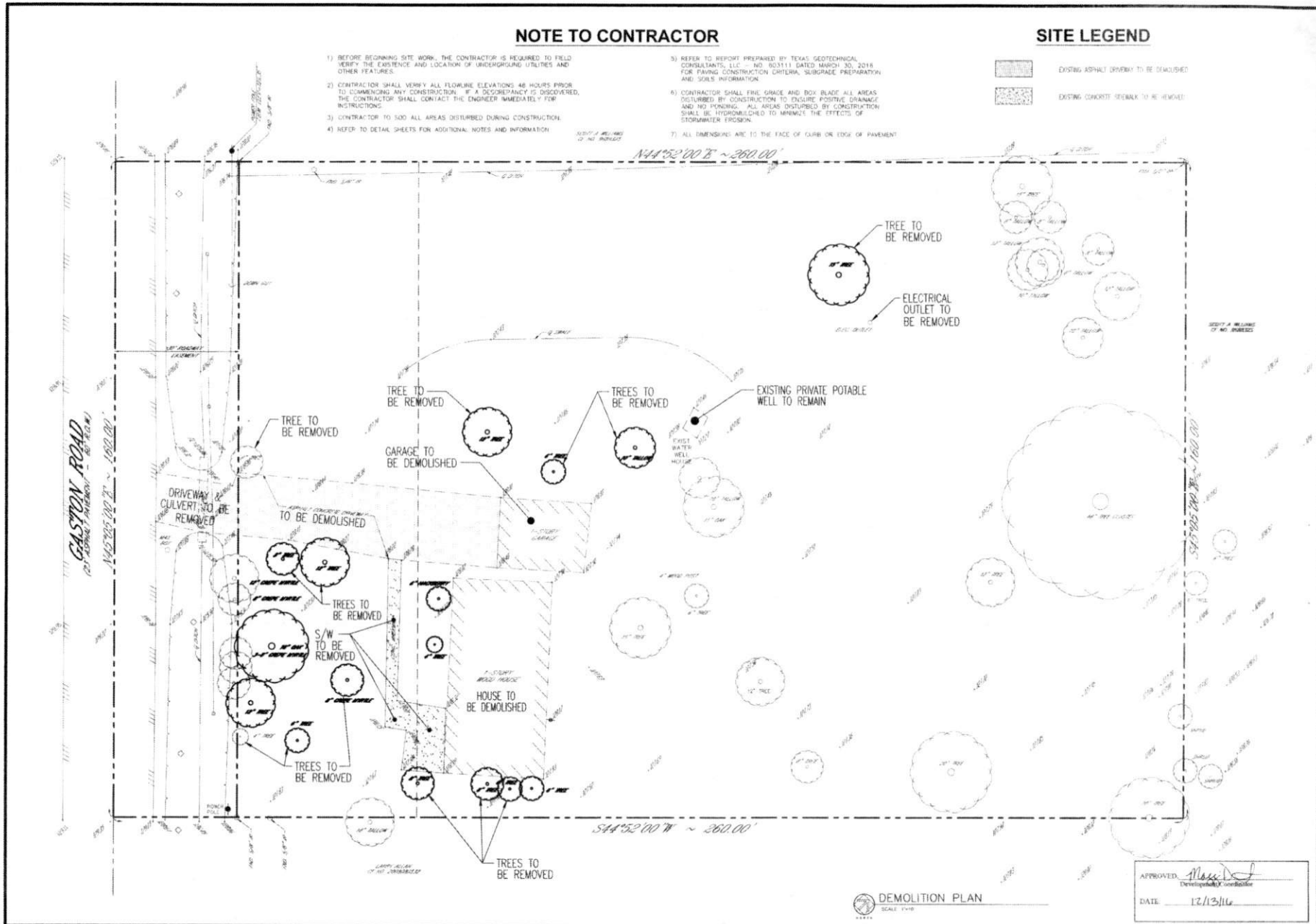
PERMIT #	2017-11220
STYLE:	Dalton V Knight & Knight Family Trust
NAME PUT INTO TEXAS CLASS AS:	CCM2017-11220 DVKnight
TEXAS CLASS ACCOUNT NUMBER	[REDACTED]
DEPOSIT AMOUNT:	\$10,000.00
DATE RECEIVED:	8/8/2017
DATE TRANSFERRED TO TEXAS CLASS:	8/15/2017

NOTE TO CONTRACTOR

- 1) BEFORE BEGINNING SITE WORK, THE CONTRACTOR IS REQUIRED TO FIELD VERIFY THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND OTHER FEATURES.
- 2) CONTRACTOR SHALL VERIFY ALL FLOOR ELEVATIONS 48 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION. IF A DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY FOR INSTRUCTIONS.
- 3) CONTRACTOR TO SOO ALL AREAS DISTURBED DURING CONSTRUCTION.
- 4) REFER TO DETAIL SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
- 5) REFER TO REPORT PREPARED BY TEXAS GEOTECHNICAL CONSULTANTS, LLC, NO. 803111 DATED MARCH 30, 2018 FOR PAVING CONSTRUCTION CRITERIA, SUBGRADE PREPARATION AND SOILS INFORMATION.
- 6) CONTRACTOR SHALL FINE GRADE AND BOY BLADE ALL AREAS DISTURBED BY CONSTRUCTION TO ENSURE POSITIVE DRAINAGE AND NO POONDING. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE HYDROMULCHED TO MINIMIZE THE EFFECTS OF STORMWATER EROSION.
- 7) ALL DIMENSIONS ARE TO THE FACE OF CURB OR EDGE OF PAVEMENT.

SITE LEGEND

- EXISTING ASPHALT DRIVEWAY TO BE DEMOLISHED
- EXISTING CONCRETE DRIVEWAY TO BE REMOVED

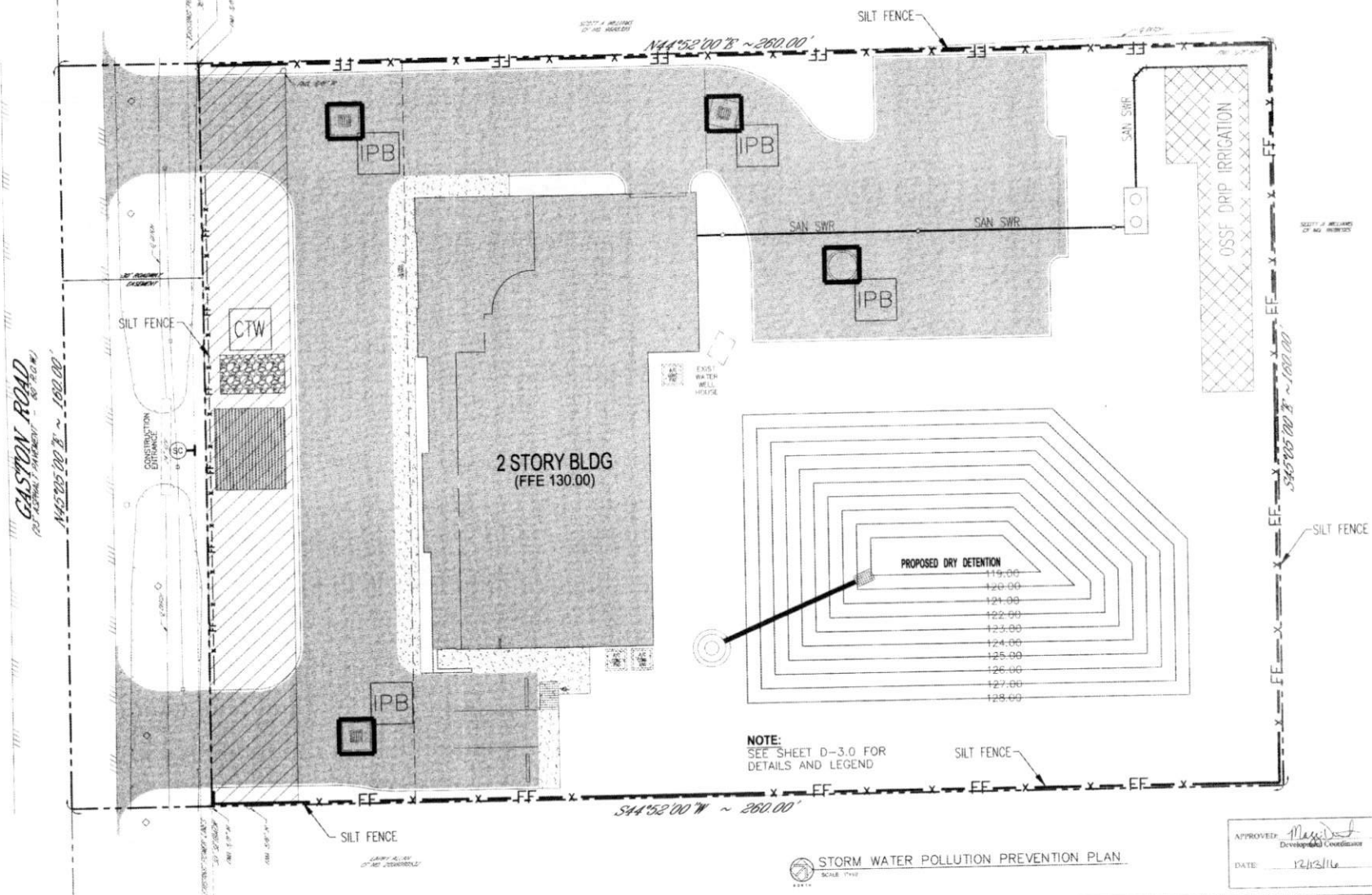


NOTE TO CONTRACTOR

- 1) BEFORE BEGINNING SITE WORK, THE CONTRACTOR IS REQUIRED TO FIELD VERIFY THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND OTHER FEATURES.
- 2) CONTRACTOR SHALL VERIFY ALL FLOWLINE ELEVATIONS 48 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION. IF A DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY AT 832-628-5232 FOR INSTRUCTIONS.
- 3) CONTRACTOR TO SOO ALL ON-SITE AREAS DISTURBED DURING CONSTRUCTION.
- 4) CONTRACTOR TO HYDROMULCH ALL AREAS DISTURBED WITHIN THE PUBLIC RIGHT-OF-WAY.
- 5) REFER TO DETAIL SHEET FOR ADDITIONAL NOTES AND INFORMATION.
- 6) CONTRACTOR SHALL FINE GRADE AND BOX BLADE ALL AREAS DISTURBED BY CONSTRUCTION TO ENSURE POSITIVE DRAINAGE AND NO PONDING. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE HYDROMULCHED TO MINIMIZE THE EFFECTS OF STORMWATER EROSION.
- 7) A NOTIFICATION OF CONSTRUCTION IN RIGHT-OF-WAY PERMIT WILL BE REQUIRED FOR THE STORM SEWER OUTFALL WORK WITHIN FT. BEND COUNTY RIGHT-OF-WAY. PERMIT CAN ONLY BE FILLED AFTER THE PROJECT HAS BEEN APPROVED.

LEGEND

- EXIST. GRADE
- PROP. INLET
- DRAINAGE AREA DIVIDE
- FILTER FABRIC (SILT FENCE)
- CONCRETE WASHOUT
- CONSTRUCTION ENTRANCE
- INLET PROTECTION BARRIER



REV.	DATE & DESCRIPTION



SCALE:	AS SHOWN
CHECKED BY:	HMT
PROJECT:	3000-1
SHEET NO:	D-2.0
DATE:	09-07-2016



SURVEYING

DOSHI ENGINEERING & SURVEYING COMPANY
CONSULTING ENGINEERS & SURVEYORS
KATY, TEXAS 77494
OFFICE: (281) 385-8906 FIRM REGISTRATION NO. F-9875

CIVIL ENGINEER

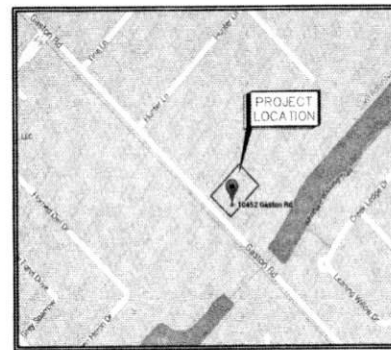


46 Smokestone Drive, Spring, TX 77831
Ph. (832) • 928 • 5232 Fax (281) • 719 • 8486

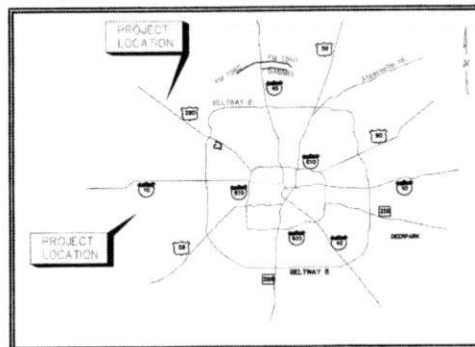
- Commercial
- Residential
- Multifamily

GENERAL NOTES

1. SHOULD THERE BE DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES AND ORDINANCES, THE REQUIREMENTS OF THE CODES AND ORDINANCES SHALL PREVAIL.
2. ALL WORK SHALL BE PERFORMED IN A SAFE AND WORKMANLIKE MANNER AND SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED PRACTICES FOR SUCH WORK.
3. BUILDING CONTRACTOR IS RESPONSIBLE FOR THE PROVISION OF BARRIERS AND OTHER MEASURES NECESSARY TO ASSURE A SAFE WORKING ENVIRONMENT.
4. FOR SPECIFIC NOTES PERTAINING TO THE WORK OF PARTICULAR TRADES, SEE THE APPLICABLE DRAWINGS FOR SUCH TRADE.



VICINITY MAP
KEY MAP# 484-Q



LOCATION MAP

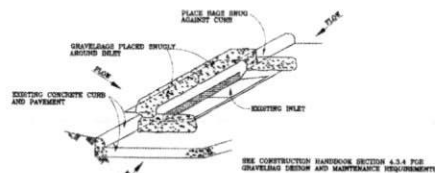
FBCAD PROPERTY #: 0149-00-116-0000-914
0149-00-117-0000-914
0149-00-118-0000-914

DRAWING INDEX

NO	TITLE
T1.0	COVER SHEET & DRAWING INDEX
	BOUNDARY & TOPOGRAPHIC SURVEY
D1.0	DEMOLITION PLAN
D2.0	S.W.P.P.
D2.1	S.W.P.P. DETAILS
G1.0	SITE GEOMETRY PLAN
C1.1	TRAFFIC CONTROL PLAN
C2.0	SITE GRADING PLAN
C2.1	SITE DRAINAGE PLAN
C2.2	DRAINAGE COMPUTATIONS
C3.0	SITE UTILITY PLAN
C4.0	CONSTRUCTION NOTES
C4.1	CONSTRUCTION DETAILS
C4.2	CONSTRUCTION DETAILS
C4.3	CONSTRUCTION DETAILS
C4.4	CONSTRUCTION DETAILS
C5.0	FINE LANE PLAN



FORT BEND COUNTY ENGINEER
ENGINEER: *Paul G. Smith, P.E.*
DATE: *12/13/16*
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.
APPROVED: *Paul G. Smith, P.E.*
DATE: *12/13/16*



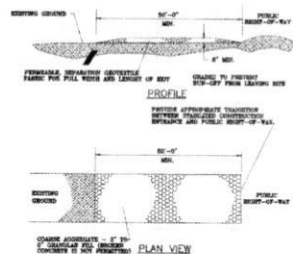
GENERAL NOTES:

1. BASE OR MATS CAN BE USED FOR THIS APPLICATION.
2. PROVIDE WOODEN OR UNWORN GEOTEXTILE FILTER FABRIC FOR BASES.
3. PROVIDE COARSE GRAVEL AND AGGREGATE MIX FOR FILL MATERIAL FOR BASES. USE ONLY PARTICLES CONSISTING OF CLEAN, HARD, DURABLE MATERIALS FREE FROM AGGREGATE CONTAMINANTS, SALT, ALKALI, AND CLAY. LUMPY, SOFT OR PLASTY MATERIALS, OR ORGANIC AND INORGANIC WASTE.
4. REMOVE SEDIMENT DEPOSIT WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE BARRIER.

IPB

SYMBOL

INLET PROTECTION BARRIERS FOR STAGE II INLETS



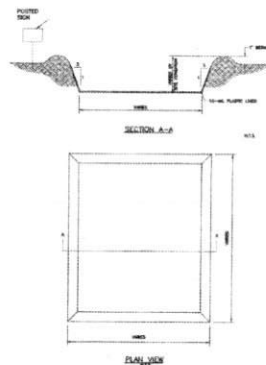
GENERAL NOTES:

1. MINIMUM LENGTH IS AS SHOWN ON CONSTRUCTION DRAWINGS OR 10 FEET, WHICHEVER IS MORE.
2. CONSTRUCT AND MAINTAIN CONSTRUCTION EXIT WITH CONSISTENT WIDTH ACROSS ITS LENGTH INCLUDING ALL PORTALS OF ENTRANCE OR EXIT.
3. UNLESS SHOWN ON THE CONSTRUCTION DRAWINGS, STABILIZATION FOR OTHER AREAS WILL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT.
4. WHEN SHOWN ON THE CONSTRUCTION DRAWINGS, WIDTH OF LENGTHENED STABILIZED AREA TO ACCOMMODATE A TRUCK WASHING AREA. PROVIDE OUTLET SEDIMENT TRAP FOR THE TRUCK WASHING AREA.
5. PROVIDE PERIODIC TOP DRESSING WITH AGGREGATE TO MAINTAIN THE REQUIRED DEPTH OF WHEN SURFACE BECOMES FACED WITH WEAR.
6. PERIODICALLY TURN AGGREGATE TO EXPOSE A CLEAN DRAINING SURFACE.
7. ALTERNATIVE METHOD OF CONSTRUCTION INCLUDES:
-COMPACT STABILIZED SOIL - COMPACTED STABILIZED SOIL, LAMINATE AGGREGATE, OR OTHER FILL MATERIAL IN AN APPLICATION OF THICKNESS OF 8 INCHES.
-WOOD MATS (OR OTHER HARDWOOD THICKNESS PLACED OVER TO LIE AND ACROSS SUPPORT)
-WOOD BEAMS WHICH ARE PLACED ON TOP OF EXISTING SOIL, IN AN APPLICATION THICKNESS OF 8 INCHES.
-STEEL MATS - PERFORATED MATS PLACED ACROSS PERPENDICULAR SUPPORT MEMBERS.

SC

SYMBOL

STABILIZED CONSTRUCTION ACCESS



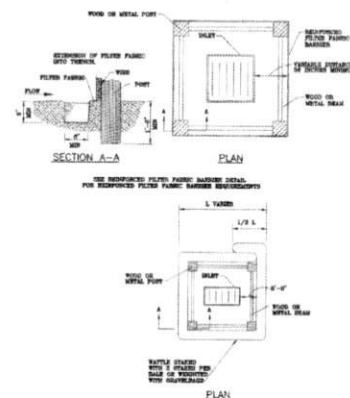
GENERAL NOTES:

1. POST A SIGN READING "CONCRETE WASH OUT PIT" NEXT TO THE PIT.
2. VERNALLY INTERCEPT THE CONCRETE TRUCK DRIVERS WHERE THE PIT IS AND TO WASH OUT THEIR TRUCKS IN THE PIT AND NO WHERE ELSE.
3. UNLESS THE CONCRETE SETTING UP (CURING, DRYING OUT), THE CONCRETE WASTE SHALL BE REMOVED FROM THE PROJECT SITE AND DEPOSITED OF PROPERLY IN THE CONSTRUCTION. AFTER REMOVAL OF THE CONCRETE WASTE, THE WASH OUT PIT SHALL BE FILLED WITH CLEAN FILL MATERIAL AND COMPACTED TO 90-95% CONDITIONS, UP AS DIRECTED BY THE PROJECT SPECIFICATIONS.
4. CONCRETE WASH OUT PIT SHALL NOT BE LOCATED DIRECTLY ADJACENT TO, NOR AT ANY TIME DRAIN INTO THE STORM SEWER SYSTEM OR ANY OTHER DRAIN, DITCH, OR WATERWAY.
5. CONSTRUCT ENTRY ROAD AND BOTTOM OF WASHOUT AREA TO SUPPORT EXPECTED LOADINGS FROM TRUCKS EQUIPMENT.

CTW

SYMBOL

CONCRETE TRUCK WASHOUT AREA

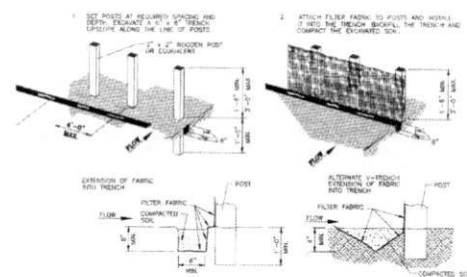


NOTE: TYPICALLY STORM DRAINS ARE NOT RECOMMENDED FOR INLET PROTECTION BARRIERS.

IPB

SYMBOL

INLET PROTECTION BARRIERS FOR STAGE I INLETS



GENERAL NOTES:

1. SET POSTS AT 4-FOOT MAXIMUM SPACING. IF FACTORY PREASSEMBLED FENCE WITH SUPPORT NETTING IS USED, SPACING OF POSTS MAY BE INCREASED TO 4-FOOT MAXIMUM.
2. WHEN TWO SECTIONS OF FILTER FABRIC ADJACENT EACH OTHER, OVERLAP 6 INCHES AT THE POST. FOLD TOGETHER, AND ATTACH TO THE POSTS.
3. REMOVE SEDIMENT DEPOSITS WHEN SOIL DEPTH REACHES ONE-THIRD THE HEIGHT OF THE FENCE.

SYMBOL

FILTER FABRIC FENCE

SWPPP DETAILS



APPROVED: *Mark D. J.*
Development Coordinator
DATE: 12/13/16

REV. DATE & DESCRIPTION

REV.	DATE	DESCRIPTION



SCALE:	AS SHOWN
CHECKED BY:	HMT
PROJECT:	3000-1
SHEET NO:	D-3.0
DATE:	09-07-2016

1) BEFORE BEGINNING SITE WORK, THE CONTRACTOR IS REQUIRED TO FIELD VERIFY THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND SURFACE FEATURES.	7) REFER TO REPORT PREPARED BY TEXAS GEOLOGICAL COMMISSION, UTILITY LOCATION, 2016, FOR PAVING CONSTRUCTION CRITERIA, SLOPE/GRADE CORRECTIONS AND SOILS INFORMATION.
CONTRACTOR SHALL VERIFY ALL FLOWLINE ELEVATIONS 48 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION. IF A DISCREPANCY IS DISCOVERED, CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY FOR INSTRUCTIONS.	8) CONTRACTOR SHALL FINE GRADE AND ADD A/LADE ALL AREAS DISTURBED BY CONSTRUCTION TO ENSURE POSITIVE DRAINAGE AND NO POONDING. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE HYDROMULCHED TO MINIMIZE THE EFFECTS OF STORMWATER EROSION.
3) CONTRACTOR TO SOD ALL AREAS DISTURBED DURING CONSTRUCTION.	9) ALL DIMENSIONS ARE TO THE FACE OF CURB.
4) REFER TO DETAIL SHEET FOR ADDITIONAL NOTES AND INFORMATION.	10) ALL SITE LIGHTING IS SUBJECT TO AND SHALL COMPLY WITH FORT AND COUNCIL ORDINANCES AND REGULATIONS. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
5) NOTIFICATION ISSUED BY HCPD AREA DIV. - PERMIT OFFICE IS REQUIRED PRIOR TO CONSTRUCTION OF UTILITIES OR LEFT TURN LANES WITHIN HARRIS COUNTY P.O.W.	
6) FOR GENERAL NOTES AND DETAILS, SEE SHEETS 4-0 - 4-4	

 HANDICAP PARKING
 PROPOSED DRAINAGE
 PROPOSED CURB
 SITE BOUNDARY LINE

<u>PARKING PROVIDED:</u>	
REGULAR:	12
H/C:	1
	13

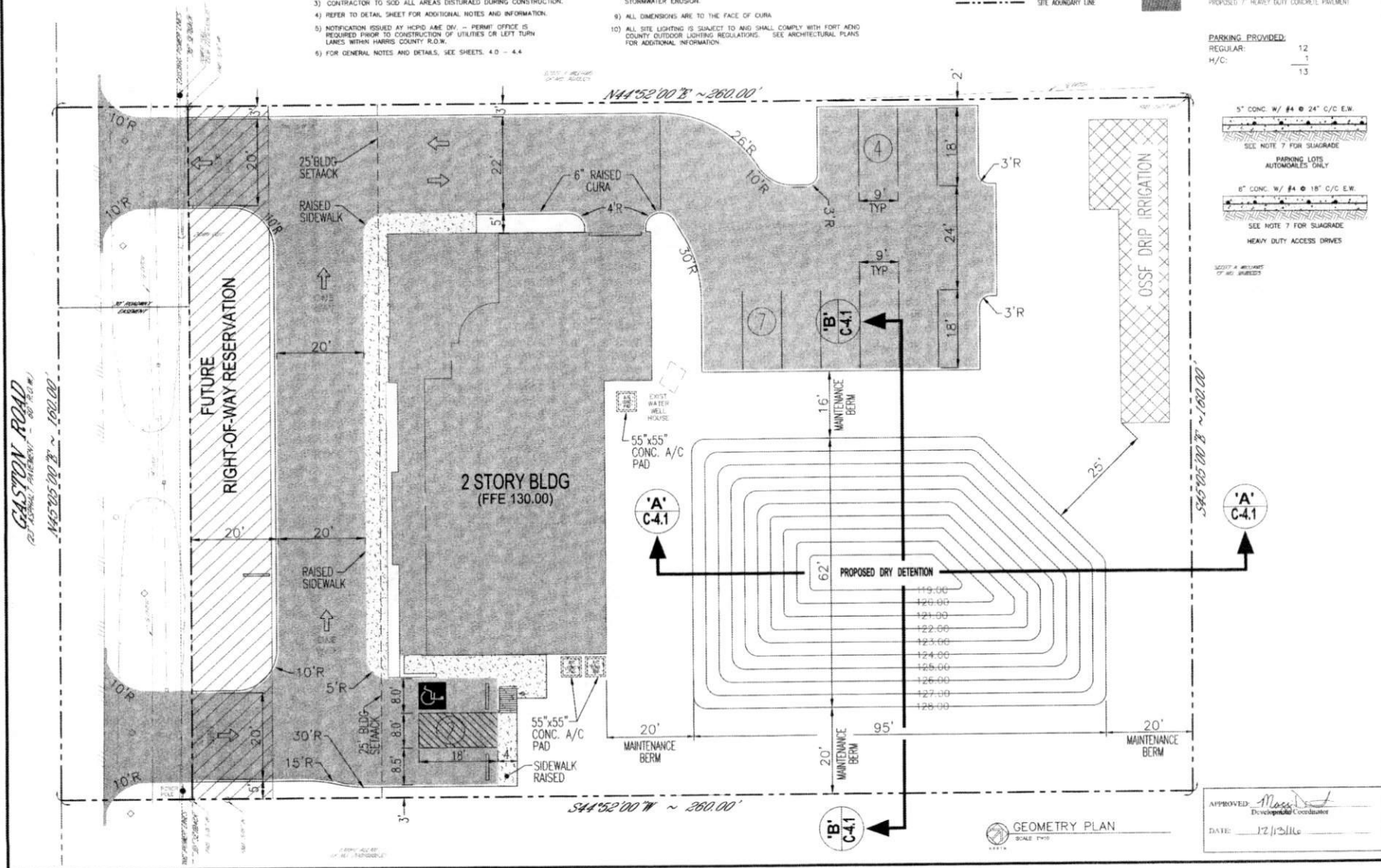
5" CONC. W/ #4 @ 24" C/C E.W.
SEE NOTE 7 FOR SUBGRADE

PARKING LOTS
AUTOMOBILES ONLY

6" CONC. W/ #4 @ 18" C/C E.W.
SEE NOTE 7 FOR SUBGRADE

HEAVY DUTY ACCESS DRIVES

WENT A BRIDGE
OF HIS OWNERS

[illegible]

FirstGroup
COMMUNICATIONS INC.
1905 GASTON RD. KATY, TEXAS 77454

PARADISE
ENGINEERING

1901 FROM 1900

Commercial
Residential
Multifamily

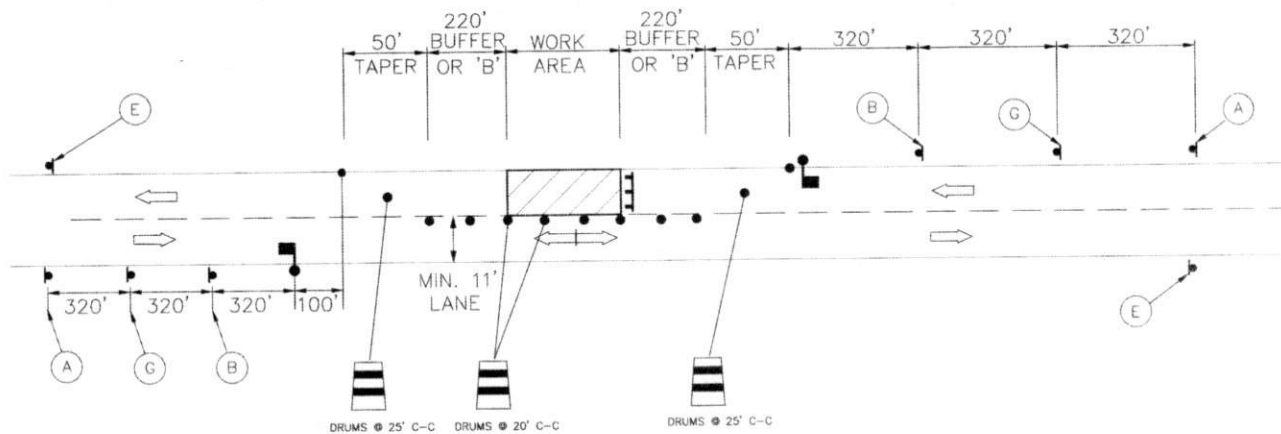
PH: (202) 638-5932
F: (202) 771-5426

1000 Wisconsin Ave., Suite 1000
Washington, DC 20007

**T K W
DESIGNS**
13318 SPLINTERED OAK DR
HOUSTON, TEXAS 77066
PH 281-321-6616



SCALE:	AS SHOWN
CHECKED BY:	HMT
PROJECT:	3000-1
SHEET NO:	C-1.0
DATE:	09-07-2016



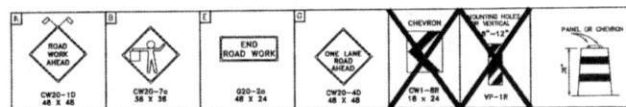
GASTON ROAD
STREET NAME

45
SPEED LIMIT

ONE LANE - TWO WAY/FLAGGING OPERATION (DAY TIME WORKING HOURS ONLY)

Length for Longitudinal Buffer		LEGEND (TYPICAL)	TYPICAL SIGN SPACING, TAPER LENGTHS, AND SUGGESTED SPACING OF CHANNELIZATION DEVICES				
Posted Speed (mph)	Length in Feet (B)		Posted Speed (mph)	Sign Spacing "X"	Min. Desirable Taper Length "L"		
20	35	- PLASTIC DRUM (see spacing for channelizing devices) - OFF-DUTY UNIFORMED POLICE OFFICER - TYPE III BARRICADE	30	120'	150'	165'	180'
25	55		35	160'	205'	225'	245'
30	85		40	240'	265'	295'	320'
35	120		45	320'	450'	495'	540'
40	170		50	400'	500'	550'	600'
45	220	- FLASHING ARROW PANEL (Optional) - TUBULAR MARKER	55	500'	550'	605'	660'
50	280						
55	335						

* ENGINEER TO STRIKE THROUGH ALL SPEED LIMITS NOT APPLICABLE



TRAFFIC NOTES

- CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD - LATEST EDITION WITH RESERVATIONS) DURING CONSTRUCTION.
- NO LANES SHALL BE BLOCKED FROM 9 A.M. TO 3 P.M. ONLY, MONDAY THRU FRIDAY.
- OFF-DUTY POLICE OFFICERS/FLAGGERS ARE REQUIRED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED.
- CONTRACTOR SHALL COVER THE EXCAVATION WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS AND ALLOW NORMAL TRAFFIC FLOW. IF COVERING IS NOT FEASIBLE, USE TRAFFIC FR 328 12" 30" DELINEATOR OR APPROVED EQUAL WITH SHEETING AND BASE EXPOSED TO PAVEMENT NEXT TO EXCAVATION DURING NON-WORKING HOURS.
- APPROVED COPIES OF "TRAFFIC CONTROL PLANS" SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES.
- IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF TRAFFIC CONTROL PLAN DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACTOR DRAWINGS, (CJH) SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT ALTERNATE PLANS TO TRAFFIC SECTION OF HCDP FOR APPROVAL TEN WORKING DAYS PRIOR TO IMPLEMENTATION. THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLAR AND SEALED BY A LICENSED ENGINEER IN THE STATE OF TEXAS. PLANS WILL BE COME A PART OF THE CONTRACT DRAWINGS.
- IF THE PROJECT IS WITHIN 400 FEET FROM A SIGNALIZED INTERSECTION, THE CONTRACTOR SHALL CONTACT HARRIS COUNTY PUBLIC INFRASTRUCTURE DEPARTMENT, SIGNAL DIVISION AT 713-361-3210 FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

APPROVED: *May D.*
Development Coordinator
DATE: 12/13/16

REV. DATE & DESCRIPTION



SCALE: AS SHOWN

CHECKED BY: HMT

PROJECT: 3000-1

SHEET NO: C-1.2

DATE: 09-07-2016

PROPERTY OWNER IS RESPONSIBLE
FOR MAINTENANCE OF DETENTION
SYSTEM FACILITY.

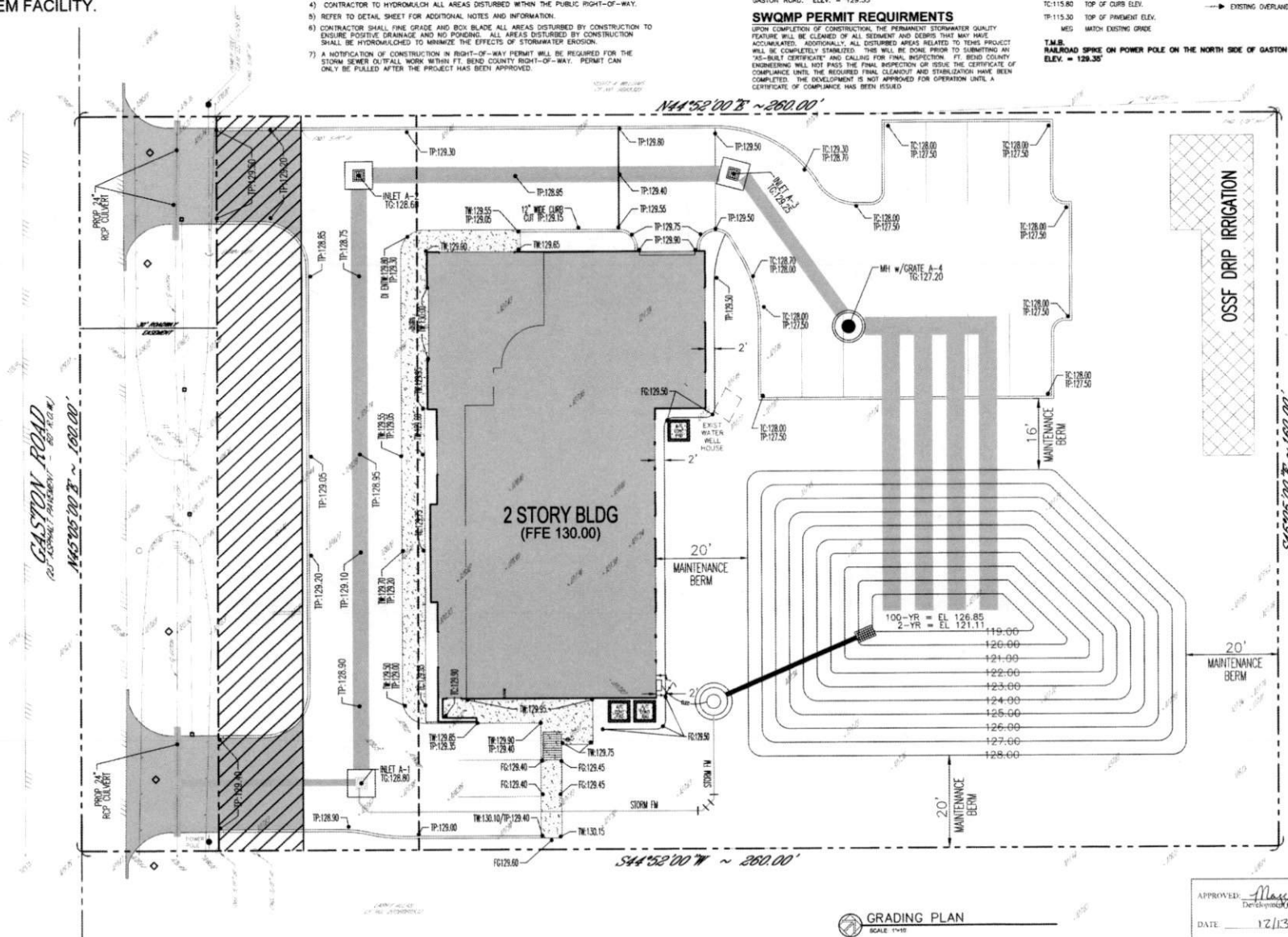
1. BEFORE BEGINNING SITE WORK, THE CONTRACTOR IS REQUIRED TO FIELD VERIFY THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND OTHER FEATURES.
2. CONTRACTOR SHALL VERIFY ALL FLOWING ELEVATIONS 48 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION. IF ANY DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY AT 832-283-5232 FOR INSTRUCTIONS.
3. CONTRACTOR TO SUEK ALL EXISTING AREAS DISTURBED BY CONSTRUCTION.
4. CONTRACTOR TO HYDROLOGICALLY RESTORE AREAS DISTURBED WITHIN THE PUBLIC RIGHT-OF-WAY.
5. REFER TO DETAIL SHEET FOR ADDITIONAL NOTES AND INFORMATION.
6. CONTRACTOR SHALL GRASS GRADE AND BUCK BLADE ALL AREAS DISTURBED BY CONSTRUCTION TO ENSURE POSITIVE DRAINAGE AND NO POHOING. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE REVEGETATED WITH SEEDING AND MULCHING.
7. A NOTIFICATION OF CONSTRUCTION IN RIGHT-OF-WAY PERMIT WILL BE REQUIRED FOR THE STORM SEWER OUTFALL WORK WITHIN CITY OF BEND COUNTY RIGHT-OF-WAY. PERMIT CAN BE OBTAINED AFTER THE PERMITTING AGENCY HAS BEEN NOTIFIED.

- 1) ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM) FOR FT. BEND COUNTY, TEXAS, MAP NO. 48157C0105L REVISED/DATED APRIL 2, 2014, THE SUBJECT TRACT APPEARS TO LIE WITHIN ZONE "X-UNSHADED".
- 2) SEE SHEET C-4 FOR STORM SEWER HYDRAULIC COMPUTATIONS.
- 3) T.M.B. RAILROAD SPIKE ON POWER POLE ON THE NORTH SIDE OF GASTON ROAD, R.F.P., π 129.35'.

UPON COMPLETION OF CONSTRUCTION, THE PERMANENT STORMWATER QUALITY FEATURE WILL BE CLEANED OF ALL SEDIMENT AND DEBRIS THAT MAY HAVE ACCUMULATED. ADDITIONALLY, ALL DISTURBED AREAS RELATED TO THIS PROJECT WILL BE COMPLETELY STABILIZED. THIS WILL BE DONE PRIOR TO SUBMITTING AN "AS-BUILT CERTIFICATE" AND CALLING FOR FINAL INSPECTION. FT. BEND COUNTY ENGINEERING WILL NOT PASS THE FINAL INSPECTION OR ISSUE THE CERTIFICATE OF COMPLETION UNTIL THE DISTURBED AREAS HAVE BEEN STABILIZED. THE DISTURBED AREAS WILL BE STABILIZED AND REVEGETATION HAVE BEEN COMPLETED. THE DEVELOPMENT IS NOT APPROVED FOR OPERATION UNTIL A CERTIFICATE OF COMPLIANCE HAS BEEN ISSUED.

+ 71.25	EXIST. GRADE		PROP. INLET
LF	LINEAR FEET		DRAINAGE BASIN LIMITS
TW:115.80	TOP OF SIDEWALK		PROPOSED OVERLAND FLOW DIRECTION
TC:115.80	TOP OF CURB ELEV.		EXISTING OVERLAND FLOW DIRECTION
TP:115.30	TOP OF PAVEMENT ELEV.		
MEG	MATCH EXISTING GRADE		

T.M.B.
RAILROAD SPIKE ON POWER POLE ON THE NORTH SIDE OF GASTON ROAD.
ELEV. = 129.35'



GRADING PLAN
SCALE: 1"=10'

APPROVED: Maggie De
Development Coordinator

DATE: 12/13/16

REV.	DATE	DESCRIPTION
------	------	-------------



■ Commercial
■ Residential
■ Multifamily

PARADISE
ENGINEERING

400 Southpark Drive
Spring, TX 77066
Tel: (281) 352-4333
Fax: (281) 319-3486

**T K W
DESIGNS**
3316 SPLINTERED OAK DR.
HOUSTON, TEXAS 77065
PH. 281-221-9516



SCALE: AS SHOWN
CHECKED BY: HMT
PROJECT: 3000-1
SHEET NO: C-2.0
DATE: 09-07-2016

NOTE TO OWNER:
PROPERTY OWNER IS RESPONSIBLE
FOR MAINTENANCE OF DETENTION
SYSTEM FACILITY.

STORM SEWER TABULATIONS

Drainage Area (Drain Inlet) Designation	Inlet Area (acres)	Inlet Rational Coefficient (C avg)	Inlet CA (acres)	Time of LAND Concentration (min)	System CA (acres)	2-yr System Intensity (in/hr)	Inlet Rational Flow (cfs)	Total System Flow (cfs)	Slope (ft/ft)	Section Size (O.D.)	Actual Pipe Velocity (ft/s)	Design Flow Velocity (ft/s)	Design Full Capacity (cfs)	Length (ft)	Material	Manning's n	TOP OF GRATE Elevation (ft)	HGL Elevation (ft)	Up Invert Elevation (ft)	On Invert Elevation (ft)	Cover (ft)
A-1	0.100	0.95	0.10	21.67	0.10	3.65	0.35	0.35	0.0011	36 inches	0.05	3.17	22.40	133	HDPE	0.013	126.80	126.70	121.30	121.15	4.50
A-2	0.180	0.95	0.17	22.39	0.27	3.60	0.95	0.95	0.0013	36 inches	0.14	3.34	23.98	80	HDPE	0.013	126.80	126.70	121.15	121.05	4.65
A-3	0.210	0.95	0.21	19.44	0.28	3.84	0.94	1.00	0.0020	36 inches	0.14	5.17	36.83	40	HDPE	0.013	126.70	126.55	120.43	120.30	5.30
A-4	0.100	0.95	0.10	21.67	0.37	3.85	0.35	1.26	0.0020	48 inches	0.11	0.00	0.00	30	HDPE	0.013	127.20	126.70	120.43	120.43	2.77

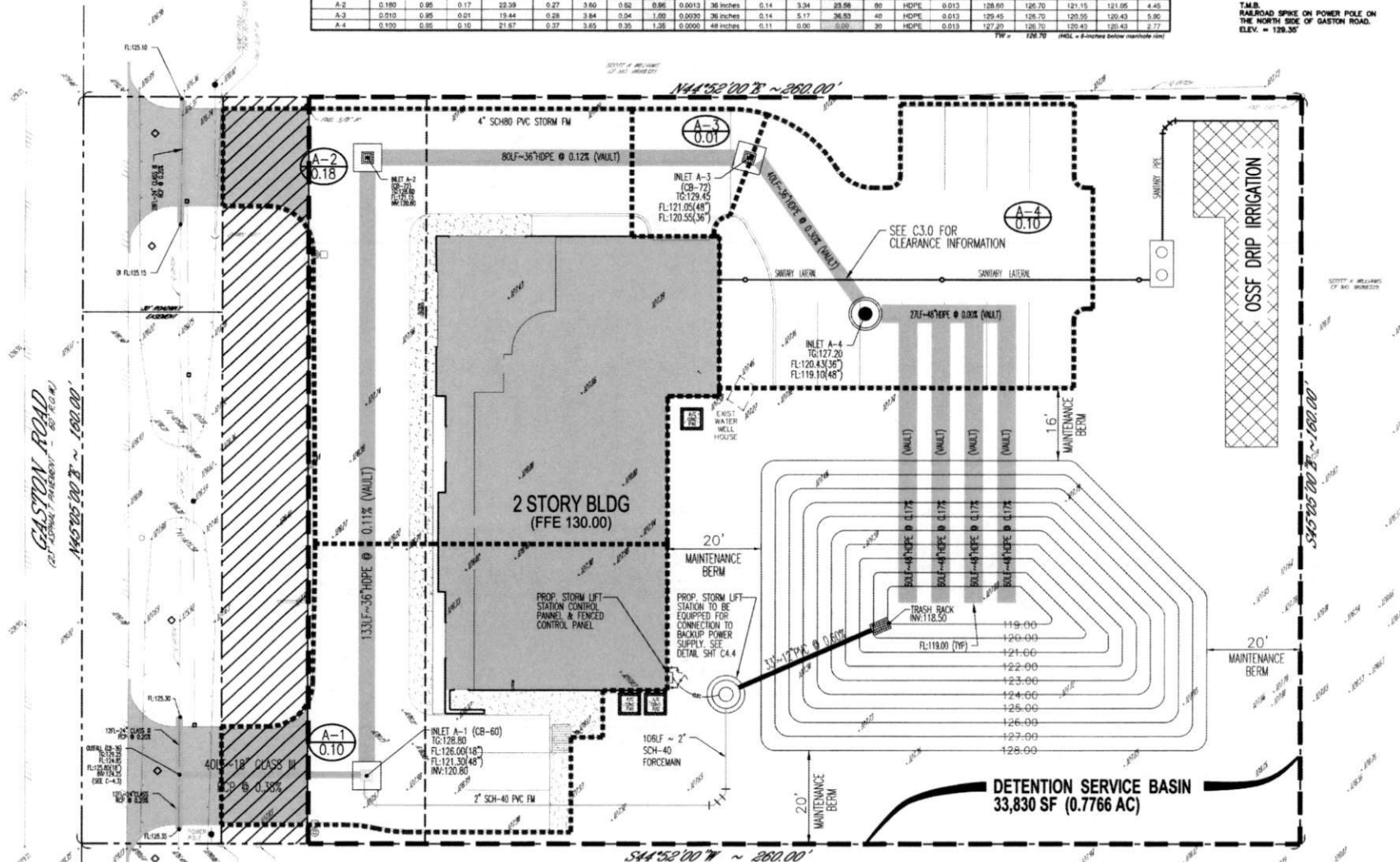
LEGEND

TO - TOP OF NATURAL
GROUND

EXIST. GRADE

--- DRAINAGE BASIN LIMITS

T.M.B.
RAILROAD SPIKE ON POWER POLE ON
THE NORTH SIDE OF GASTON ROAD.
ELEV. = 129.35



DRAINAGE PLAN
SCALE: 1"=10'

APPROVED: *Massimiliano*
Development Coordinator
DATE: 12/13/16

REV. DATE & DESCRIPTION



SCALE: AS SHOWN
CHECKED BY: HMT
PROJECT: 3000-1
SHEET NO: C-2.1
DATE: 09-07-2016



ICPR MODEL INPUT

Basin
Name: TRUP SITE
Group: BASIN
Unit Hydrograph: UN256
Rainfall File: SCALL
Rainfall Amount (in): 0.000
Area (ac): 0.777
Curve Number: 99.000
SLOPE: 19.100
Max Allowable Q (cfs): 99999.000

Node
Name: GASTON DITCH
Group: BASIN
Type: Stage/Volume
Inlet (ft): 118.300
Outlet (ft): 117.900
Base Elevation: 0.000
Inlet Slope (ft): 19.100
Outlet Slope (ft): 0.000

Operating Station
Name: POND
Type: Rating Curve
Function: Head vs. Discharge
Head (ft): 118.300
Discharge (cfs): 0.000

Drop Structure
Name: POND
Group: BASIN
Type: Rating Curve
Function: Head vs. Discharge
Head (ft): 118.300
Discharge (cfs): 0.000

Rating Curve
Name: STM LIFT STA
From Node: POND
To Node: GASTON DITCH
Count: 1
Flow: Both

TABLE

TABLE	ELEV ON (ft)	ELEV OFF (ft)
#1: POND	118.300	117.900
#2:	0.000	0.000
#3:	0.000	0.000
#4:	0.000	0.000

Routing Simulations
Name: 100-yr Hydrology Sim: 100-YEAR
Filename: f:\PARADISE ENGINEERING\PARADISE-WORK\Dalton Knight\DRAINAGE COMPUTATIONS\100-yr.132
Execute: Yes
Restart: No
Patch: No
Alternative: No
Max Delta Z (ft): 1.000
Time Step Optimizer: 10.000
Start Time (hrs): 0.000
Min Calc Time (sec): 0.500
Boundary Stages:
Time (hrs) Print Inc (min)
19.000 60.050
999.000 15.000

STORMWATER DETENTION VOLUME DETERMINATIONS

TOTAL SERVICE AREA	33,830 SF (0.777 AC)
PROPOSED BUILDING AREA	5,000 SF
PARKING & SIDEWALK	9,007 SF + 169 SF
DETENTION POND (100-YR WATER SURFACE)	4,631 SF (ELEVATION 127.00)
HYPERCUBIC S	50.000
DETENTION VOLUME REQUIRED	0.62 ACFT / AC = 0.777 ACFT + (0.62 ACFT/AC) = 0.637 ACFT
DETENTION VOLUME PROVIDED	0.685 ACFT (POND VOL = 32.886 CF) + (PIPE VOL = 233 LF 36" DIA + 267 LF 48" DIA) + (4 INLETS = 0.64 CF)

PROPOSED CONDITIONS HYDROLOGY - ICPR MODEL

100-YR / 24-HR RETURN EVENT

Basin
Name: TRUP SITE
Group: BASIN
Unit Hydrograph: UN256
Rainfall File: SCALL
Rainfall Amount (in): 0.000
Area (ac): 0.777
Curve Number: 99.000
SLOPE: 19.100
Max Allowable Q (cfs): 99999.000

Node
Name: GASTON DITCH
Group: BASIN
Type: Stage/Volume
Inlet (ft): 118.300
Outlet (ft): 117.900
Base Elevation: 0.000
Inlet Slope (ft): 19.100
Outlet Slope (ft): 0.000

Operating Station
Name: POND
Type: Rating Curve
Function: Head vs. Discharge
Head (ft): 118.300
Discharge (cfs): 0.000

Drop Structure
Name: POND
Group: BASIN
Type: Rating Curve
Function: Head vs. Discharge
Head (ft): 118.300
Discharge (cfs): 0.000

Rating Curve
Name: STM LIFT STA
From Node: POND
To Node: GASTON DITCH
Count: 1
Flow: Both

TABLE

TABLE	ELEV ON (ft)	ELEV OFF (ft)
#1: POND	118.300	117.900
#2:	0.000	0.000
#3:	0.000	0.000
#4:	0.000	0.000

Routing Simulations
Name: 100-yr Hydrology Sim: 100-YEAR
Filename: f:\PARADISE ENGINEERING\PARADISE-WORK\Dalton Knight\DRAINAGE COMPUTATIONS\100-yr.132
Execute: Yes
Restart: No
Patch: No
Alternative: No
Max Delta Z (ft): 1.000
Time Step Optimizer: 10.000
Start Time (hrs): 0.000
Min Calc Time (sec): 0.500
Boundary Stages:
Time (hrs) Print Inc (min)
19.000 60.050
999.000 15.000

2-YR / 24-HR RETURN EVENT

Basin
Name: TRUP SITE
Group: BASIN
Unit Hydrograph: UN256
Rainfall File: SCALL
Rainfall Amount (in): 0.000
Area (ac): 0.777
Curve Number: 99.000
SLOPE: 19.100
Max Allowable Q (cfs): 99999.000

Node
Name: GASTON DITCH
Group: BASIN
Type: Stage/Volume
Inlet (ft): 118.300
Outlet (ft): 117.900
Base Elevation: 0.000
Inlet Slope (ft): 19.100
Outlet Slope (ft): 0.000

Operating Station
Name: POND
Type: Rating Curve
Function: Head vs. Discharge
Head (ft): 118.300
Discharge (cfs): 0.000

Drop Structure
Name: POND
Group: BASIN
Type: Rating Curve
Function: Head vs. Discharge
Head (ft): 118.300
Discharge (cfs): 0.000

Rating Curve
Name: STM LIFT STA
From Node: POND
To Node: GASTON DITCH
Count: 1
Flow: Both

TABLE

TABLE	ELEV ON (ft)	ELEV OFF (ft)
#1: POND	118.300	117.900
#2:	0.000	0.000
#3:	0.000	0.000
#4:	0.000	0.000

Routing Simulations
Name: 100-yr Hydrology Sim: 100-YEAR
Filename: f:\PARADISE ENGINEERING\PARADISE-WORK\Dalton Knight\DRAINAGE COMPUTATIONS\100-yr.132
Execute: Yes
Restart: No
Patch: No
Alternative: No
Max Delta Z (ft): 1.000
Time Step Optimizer: 10.000
Start Time (hrs): 0.000
Min Calc Time (sec): 0.500
Boundary Stages:
Time (hrs) Print Inc (min)
19.000 60.050
999.000 15.000

PROPOSED CONDITIONS - 2 YEAR ICPR MODEL

Name	Group	Simulation	Stage	Stage	Stage	Stage	Max Inflow	Max Outflow	Max Time	Max Time	Max Time	Max Time
GASTON DITCH	BASIN	2-year	118.300	117.900	117.900	117.900	0.000	0.000	0.000	0.000	0.000	0.000

PROPOSED CONDITIONS - 100 YEAR ICPR MODEL

Name	Group	Simulation	Stage	Stage	Stage	Stage	Max Inflow	Max Outflow	Max Time	Max Time	Max Time	Max Time
GASTON DITCH	BASIN	100-year	118.300	117.900	117.900	117.900	0.000	0.000	0.000	0.000	0.000	0.000

NOTE TO REVIEWER: DEVELOPED PROPERTY = 33,830 SF (0.7766 acres)
REF FBCDD SECTION 4.4.1 FOR DRAINAGE AREAS LESS THAN 50 ACRES: 0.125 CFS/AC
 $Q_{100} = (0.7766 \text{ AC}) \times (0.125 \text{ CFS/AC}) = 0.0971 \text{ CFS (43.57 GPM)}$

APPROVED: *[Signature]*
DATE: 12/13/16

REV. DATE & DESCRIPTION



SCALE: AS SHOWN
CHECKED BY: HMT
PROJECT: 3000-1
SHEET NO: C-2.2
DATE: 09-07-2016

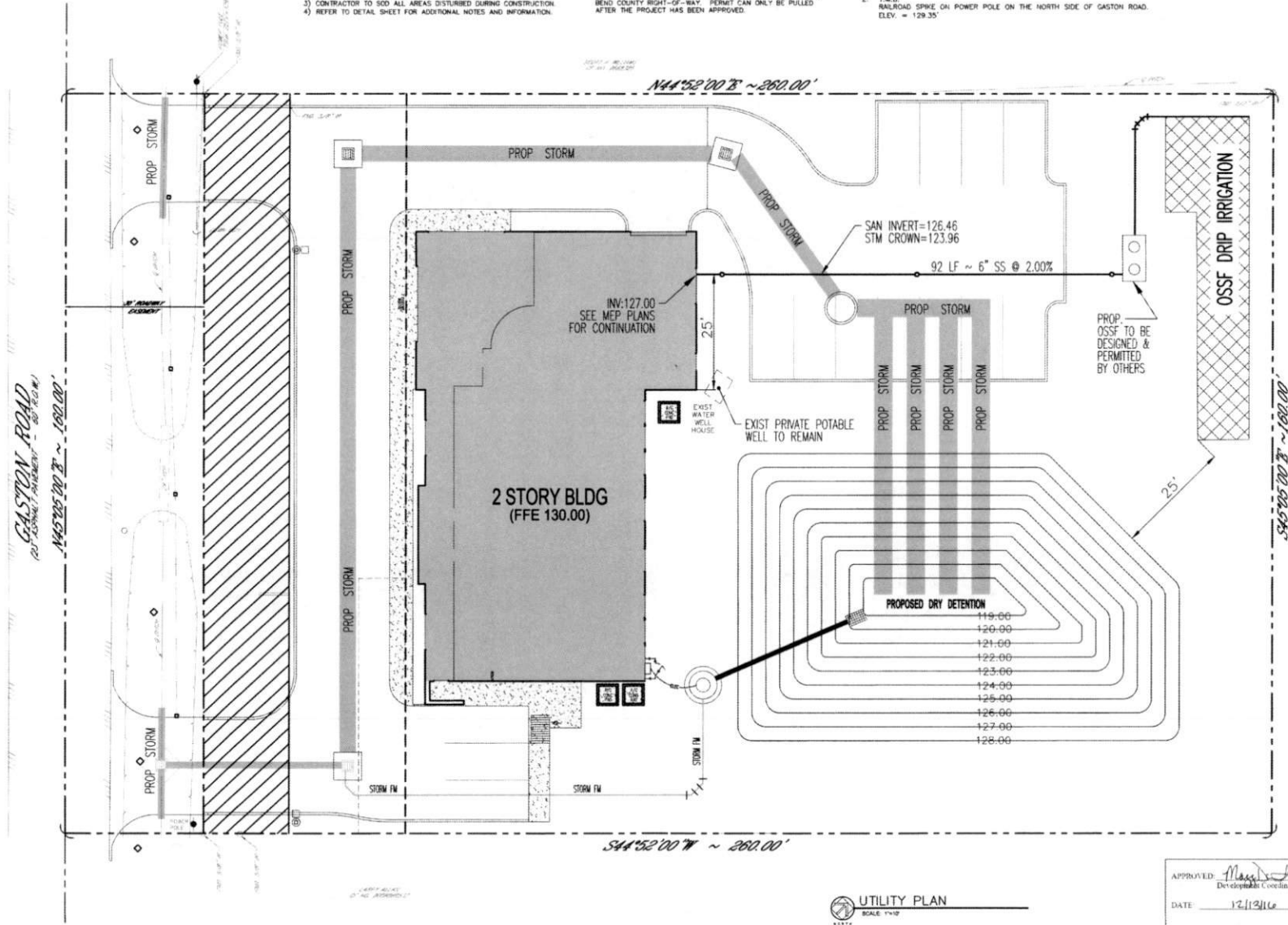
NOTE TO CONTRACTOR

- 1) BEFORE BEGINNING SITE WORK, THE CONTRACTOR IS REQUIRED TO FIELD VERIFY THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND OTHER FEATURES.
- 2) CONTRACTOR SHALL VERIFY ALL FLOWLINE ELEVATIONS 48 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION. IF A DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY AT 832-928-5232 FOR INSTRUCTIONS.
- 3) CONTRACTOR TO SOD ALL AREAS DISTURBED DURING CONSTRUCTION.
- 4) REFER TO DETAIL SHEET FOR ADDITIONAL NOTES AND INFORMATION.

- 5) CONTRACTOR SHALL FINE GRADE AND BOX BLADE ALL AREAS DISTURBED BY CONSTRUCTION TO ENSURE POSITIVE DRAINAGE AND NO POHOLING. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE HYDROMULCHED TO MINIMIZE THE EFFECTS OF STORMWATER EROSION.
- 6) A NOTIFICATION OF CONSTRUCTION IN RIGHT-OF-WAY PERMIT WILL BE REQUIRED FOR THE STORM SEWER OUTFALL WORK WITHIN FT. BEND COUNTY RIGHT-OF-WAY. PERMIT CAN ONLY BE PULLED AFTER THE PROJECT HAS BEEN APPROVED.

NOTE TO REVIEWER

1. PROPERTY LIES IN ZONE "1-UNDESIGNED" AREAS DETERMINED TO BE OUTSIDE THE 100 YEAR FLOODPLAIN ACCORDING TO THE FLOOD INSURANCE RATE MAP NO. 48157C0105L, EFFECTIVE DATE APRIL 2, 2014. THIS FLOOD STATEMENT DOES NOT IMPLY THAT THE PROPERTY OR STRUCTURES THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.
2. T.M.B. RAILROAD SPIKE ON POWER POLE ON THE NORTH SIDE OF GASTON ROAD. ELEV. = 129.35'



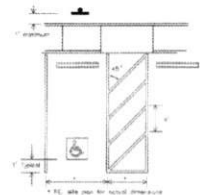
UTILITY PLAN
SCALE: 1"=10'

APPROVED: *Max D. J.*
Development Coordinator
DATE: 12/13/16

REV. DATE & DESCRIPTION



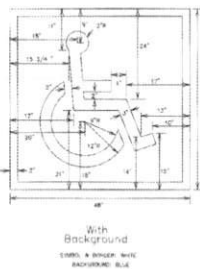
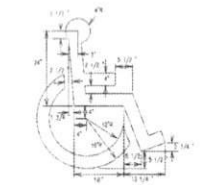
SCALE: AS SHOWN
CHECKED BY: HMT
PROJECT: 3000-1
SHEET NO: C-3.0
DATE: 09-07-2016



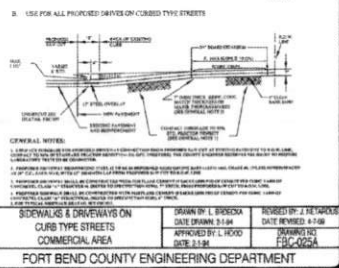
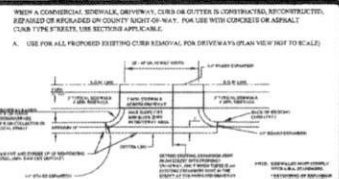
GENERAL NOTES:

- All paving areas first used shall be 4" solid white lines.
- Line markings shall be applied to dry, clean surfaces to achieve a NO FADING test are application. Line markings shall be white.
- Dimensions of most lines, color markings, and symbol (with or without background) may vary a 10%.
- Placement markings symbols (with background):
 - on PAVED areas shall appear in the plans.
 - shall be placed based on the use of the parking spaces as it is to be used by motorists in the future use.
 - may be applied on precast concrete material, and
 - shall be 30" x 30" minimum.
- With approval of the Engineer, precast concrete parking markings with background or other dimensions exceeding the 30" x 30" minimum may be used. Alternative designs shall include a proper sized symbol of applicability, and shall conform to the illustrated colors for background, symbol and border.
- As 8" x 8" sign:
 - shall be REQUIRED for each accessible parking space.
 - shall NOT be placed between two accessible parking spaces.
 - shall NOT be placed in a location that restricts movement of wheelchair within the adjacent sidewalk, and
 - shall have a minimum mounting height of 7 feet if mounted to wall or located so as not to be any additional height.
- Sign mounting signs shall be placed approximately 1 foot (or greater) behind the curb to prevent damage from vehicle impacts.
- Signs may be mounted directly to an adjacent wall of a building when post mounting is impractical.

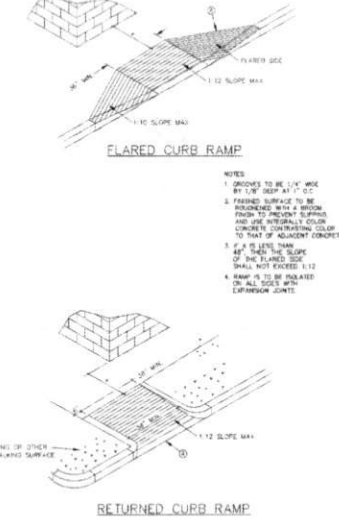
7 STRIPING NOTES



3 ADA PAVEMENT MARKINGS (TYP)



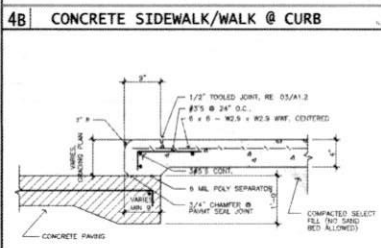
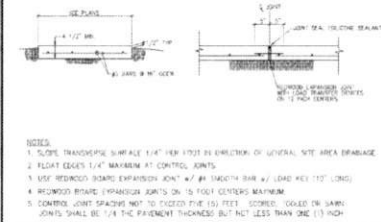
6 FT BEND COUNTY DRIVEWAY DETAIL



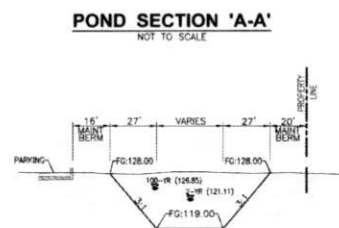
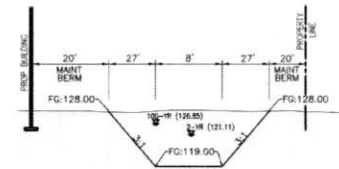
2 ACCESSIBLE CURB RAMP



5 FT BEND COUNTY NOTES FOR SIDEWALK & DRIVEWAYS



4A SIDEWALK / PAVEMENT HEADER

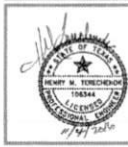


POND SECTION 'B-B'

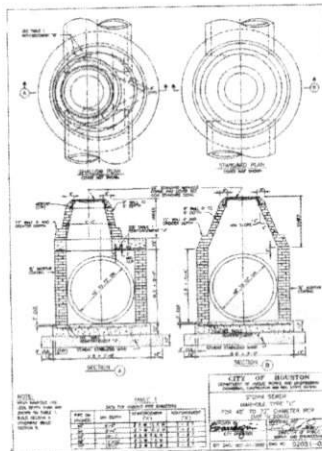


1 ACCESSIBLE RAMP FROM PARKING STALL

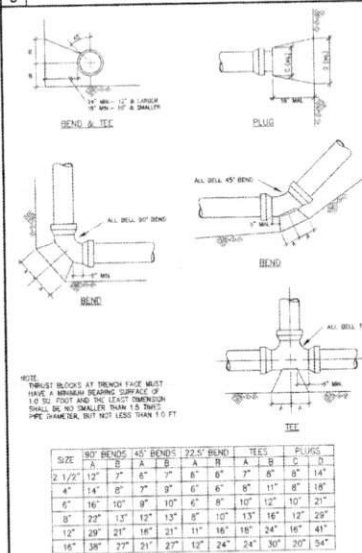
REV. DATE & DESCRIPTION



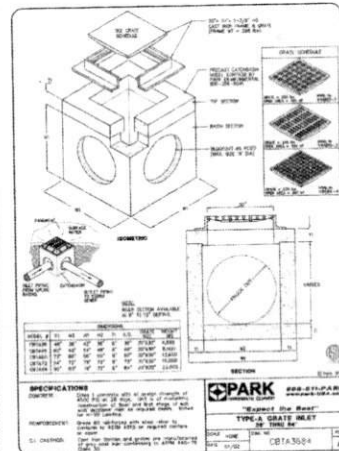
SCALE: AS SHOWN
CHECKED BY: HMT
PROJECT: 3000-1
SHEET NO: C-4.1
DATE: 09-07-2016



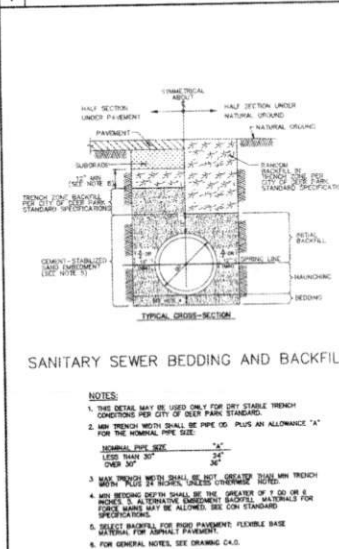
8



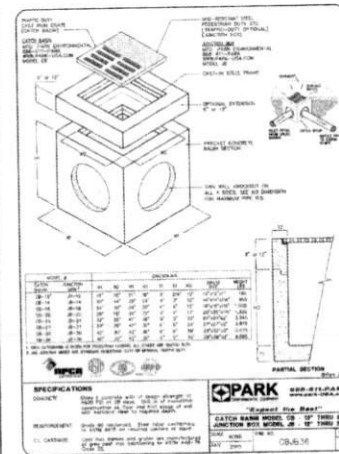
3 THRUST BLOCKING



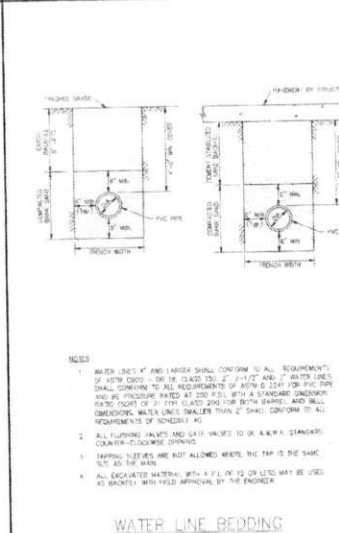
7



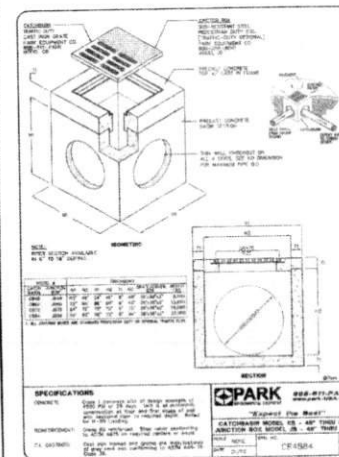
2 SANITARY SEWER BEDDING



6



1 WATER LINE BEDDING



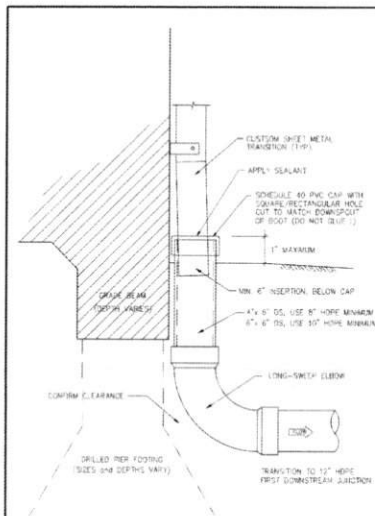
5 INLET DETAILS

APPROVED: *[Signature]*
DATE: 12/15/16

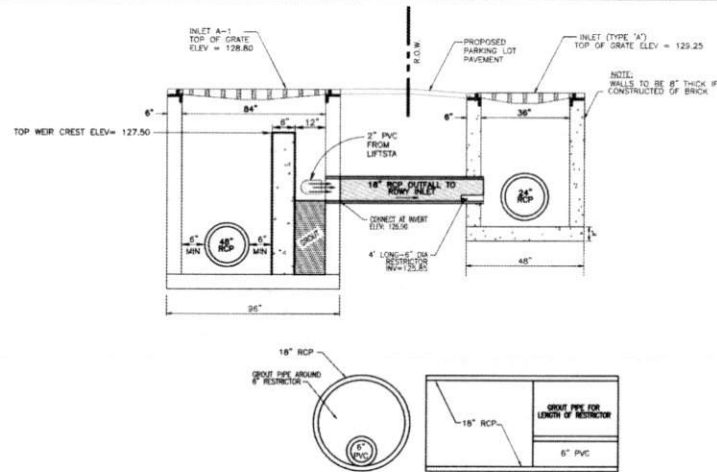
REV.	DATE	DESCRIPTION



SCALE: AS SHOWN
CHECKED BY: HMT
PROJECT: 3000-1
SHEET NO: C-4.2
DATE: 09-07-2016

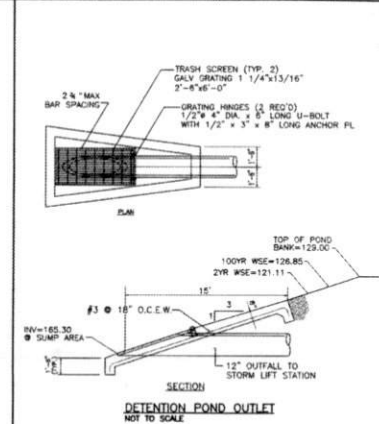


7 DOWNSPOUT COLLECTOR



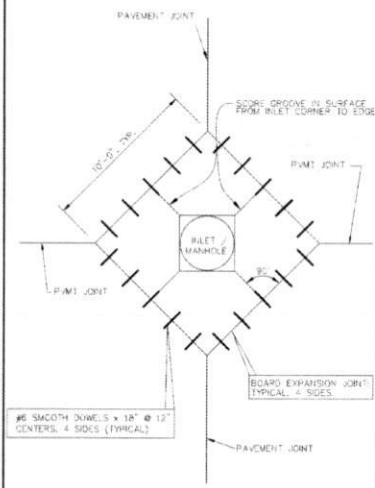
DETAIL OF 18" OUTFALL PIPE & 6" DISCHARGE ORIFICE
NOT TO SCALE

6 OUTFALL DETAIL

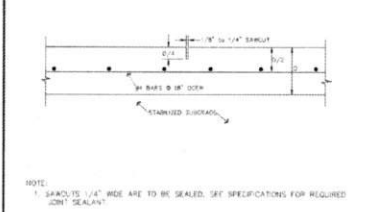


DETENTION POND OUTFALL
NOT TO SCALE

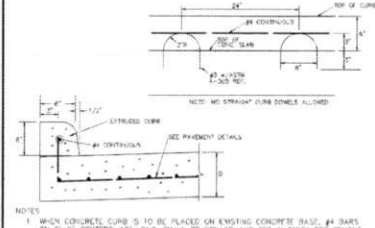
5 DETENTION POND TRASH RACK



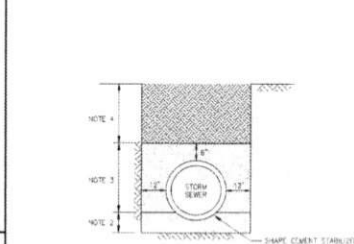
4 INLET / MANHOLE BLOCKOUT



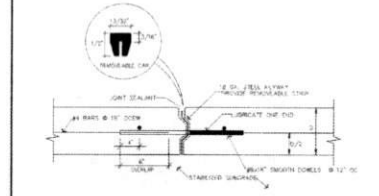
2A SAWED JOINT (S)



3 STANDARD CONCRETE CURB



2 STM / SAN SEWER BEDDING & BACKFILL



1 CONSTRUCTION JOINT

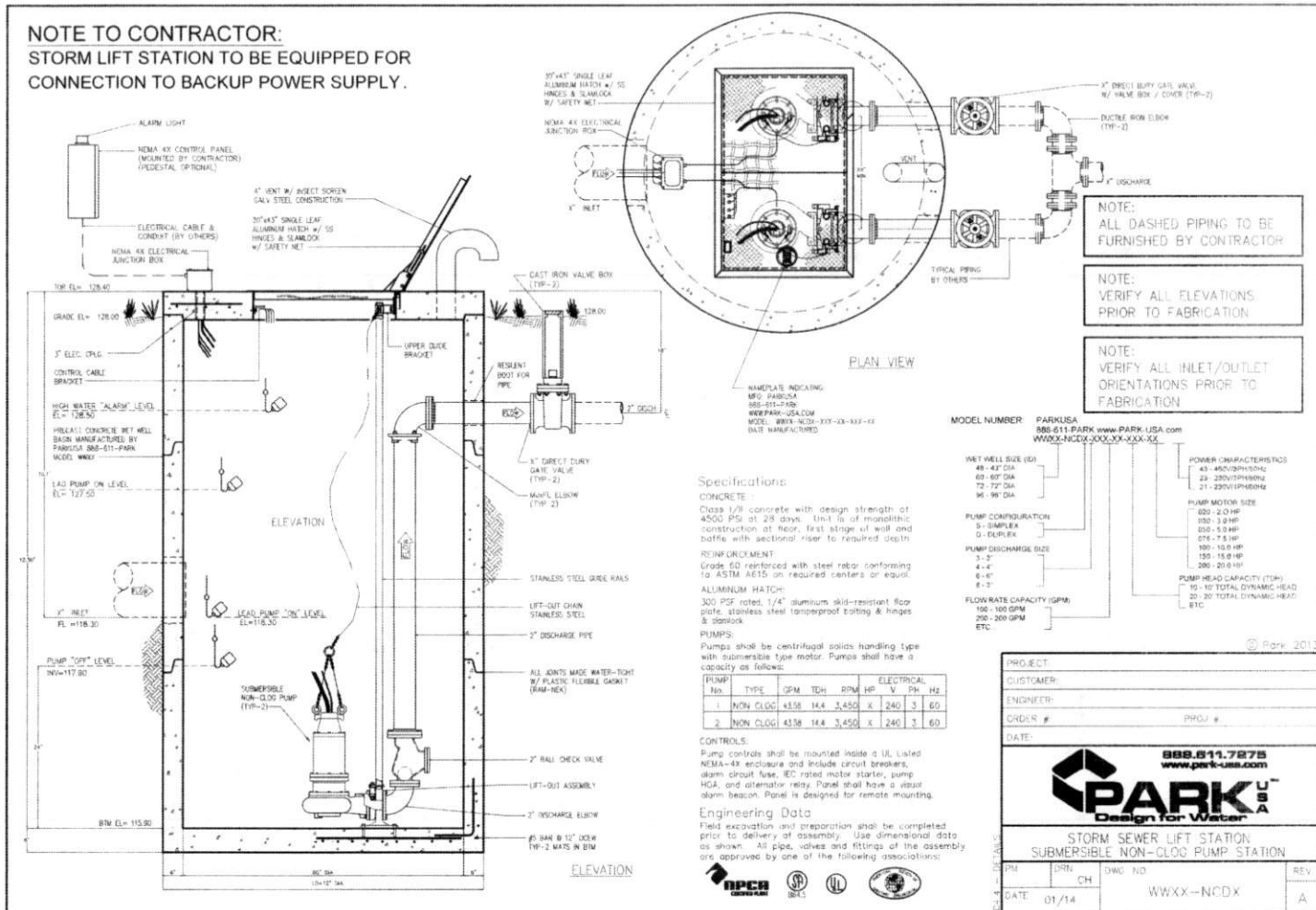
APPROVED: *Massad*
Development Conditions
DATE: 12/13/16

REV. DATE & DESCRIPTION



SCALE: AS SHOWN
CHECKED BY: HMT
PROJECT: 3000-1
SHEET NO: C-4.3
DATE: 09-07-2016

NOTE TO CONTRACTOR:
STORM LIFT STATION TO BE EQUIPPED FOR
CONNECTION TO BACKUP POWER SUPPLY.



REV.	DATE & DESCRIPTION



SCALE:	AS SHOWN
CHECKED BY:	HMT
PROJECT:	3000-1
SHEET NO:	C-4.4
DATE:	09-07-2016

APPROVED: *Max DeStefano*
DESIGNED BY: *Max DeStefano*
DATE: 12/12/16

1. CURBS LOCATED BETWEEN APPROVED FIRE LANE--TOW-AWAY ZONE SIGNS SHALL BE PAINTED RED OR A RED STRIPE SHALL BE PLACED ALONG THE PAVEMENT WHERE THERE IS NO CURB. THESE CURBS SHALL ALSO BE CONSPICUOUSLY AND LEGIBLY MARKED WITH THE WARNING "FIRE LANE--TOW AWAY ZONE" IN WHITE LETTERS AT LEAST THREE (3) INCHES IN HEIGHT, AT INTERVALS NOT EXCEEDING (50) FEET.

2. ANY COLOR OTHER THAN RED MAY BE USED IN "NO PARKING" AREAS THAT ARE NOT APPROVED FIRE LANES. RED COLORED CURBS, PAVEMENT STRIPING, OR WHEEL STOPS SHALL BE USED ONLY TO DESIGNATE APPROVED FIRE LANES.
3. PROPOSED ESFR SPRINKLER TO BE PROVIDED. SEE SPRINKLER CONTRACTORS DRAWING. ESFR SYSTEM IS SUPPLIED BY PARK'S PUMP HOUSE & WATER TANK.

3. PROPOSED ESFR SPRINKLER TO BE PROVIDED. SEE SPRINKLER CONTRACTORS DRAWING. ESFR SYSTEM IS SUPPLIED BY PARK'S PUMP HOUSE & WATER TANK.

4. INSTALL KNOX BOX 3200 SERIES, SURFACE MOUNT, BLACK, FOR EMERGENCY ACCESS TO PROPERTY.

5. FIRE LANE SIGNS SHALL BE PLACED EVERY (75) FEET ALONG ANY PORTION OF THE FIRE LANE WHERE PAVEMENT OR CURB STRIPING IS NOT PRACTICAL. (SEE DETAIL THIS SHEET).

6. FIRE LANE SHALL HAVE AN UNOBSTRUCTED VERTICAL CLEARANCE OF AT LEAST THIRTEEN AND ONE-HALF (13.5) FEET.

*J. D. A. MELLAND
D. AG. INKLEY*

N44°52'00"E ~ 260.00'



PROP. FIRE ACCESS LANE

NOTE TO FIRE CODE REVIEWER / INSPECTOR:
PROPOSED FIRE LANE SHALL BE ALL WEATHER
AND CAPABLE OF SUPPORTING A FIRE
APPARATUS WEIGHING SEVENTY-FIVE
THOUSAND (75,000) POUNDS, AS PER FT. BEND
COUNTY SPECS

SCOTT A. WILLIAMS
OF THE DISTRICT OF COLUMBIA

GASTON ROAD

22.5' ASPHALT PAVEMENT - 60' R.A.M.

$N45^{\circ}25'00''E \sim 160.00'$

FIRE ACCESS LANE

2 STORY BLDG
(FFE 130.00)

EAST
WATER
WELL
HOUSE

OSF DRIP IRRIGATION

FIRE ACCESS LANE

S44°52'00" W ~ 260.00'

PROPOSED DRY DETENTION

119.00
120.00
121.00
122.00
123.00
124.00
125.00
126.00
127.00
128.00

LARRY ALLEN
OF THE JOURNALIST

FIRE LANE PLAN

SCALE TIME

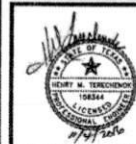
APPROVED: Maggi
Development Coordinator

DATE: 12/13/16

REV.	DATE	DESCRIPTION
01	10-01-00	



**T K W
DESIGNS**



SCALE:	AS SHOWN
CHECKED BY:	HMT
PROJECT:	3000-1
SHEET NO:	C-5.0
DATE:	09-07-2016