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

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

[ ] **Right of Way Permit**
[X] **Commercial Driveway Permit**
Permit No: 2017-14936

Applicant: **RNB Construction, Inc.**

Job Location Site: **Dillon Creek Lane and Cinco Crossing Lane, Katy , TX 77494**

Bond No. **No Bond Required** **Date of Bond:** _____ **Amount:** _____

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 inconsistant with Chapter 181, Vernon's Texas Statutes and Codes Annoted.

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 1st day of August, 2017, Upon Motion of Commissioner Meyers, 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. Dean
for County Engineer

By: N/A
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.

Date Recorded 8-4-2017 Comm. Court No. 9F

Clerk of Commissioners Court

By: Linda Willis
Deputy

8-4-2017 Original sent to Charles Dean, Engineering dept.

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

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

[ ] **Right of Way Permit**

[X] **Commercial Driveway Permit**

Permit No: 2017-14936

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:

[X] a. Name of road, street, and/or drainage ditch affected.

[X] b. Vicinity map showing course of directions

[X] 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: _____ Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

_____ Drainage District Approval

_____ Date

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

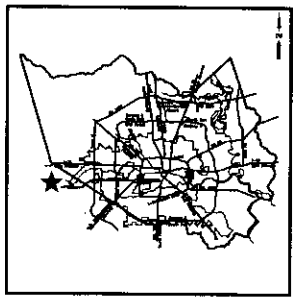
Charly O. [illegible]
Permit Administrator

7/24/17
Date

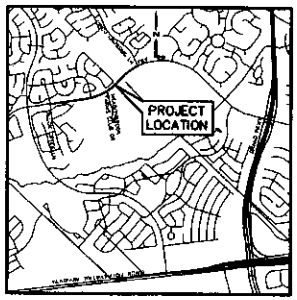
FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

CONSTRUCTION PLANS FOR PEDESTRIAN SIDEWALK



LOCATION MAP



VICINITY MAP

N.T.S.
KEY MAP No. 5240, 525A
ZIP CODE 77494

KATY, TX 77494

JUNE 2017

SHEET INDEX

NO.	DESCRIPTION
C1	COVER SHEET
C2	GENERAL CONSTRUCTION NOTES
C3	EXISTING CONDITIONS 0+00 TO 12+00
C4	EXISTING CONDITIONS 12+00 TO 23+00
C5	EXISTING CONDITIONS 23+00 TO END
C6	DIMENSION CONTROL PLAN 0+00 TO 12+00
C7	DIMENSION CONTROL PLAN 12+00 TO 23+00
C8	DIMENSION CONTROL PLAN 23+00 TO END
C9	PEDESTRIAN TRAIL PLAN – 0+00 TO 12+00
C10	PEDESTRIAN TRAIL PLAN – 12+00 TO 23+00
C11	PEDESTRIAN TRAIL PLAN – 23+00 TO END
C12	STORM WATER POLLUTION PREVENTION PLAN – 0+00 TO 12+00
C13	STORM WATER POLLUTION PREVENTION PLAN – 12+00 TO 23+00
C14	STORM WATER POLLUTION PREVENTION PLAN – 23+00 TO END
C15	TRAFFIC CONTROL PLAN STA. 17+00 TO 24+50
C16	TRAFFIC CONTROL PLAN STA. 22+00 TO 28+50
C17	STORM WATER POLLUTION PREVENTION PLAN DETAILS
C18	GENERAL DETAILS

FLOOD ZONE:
The property lies in unshaded Zone "X" (areas determined to be outside the 0.2% annual chance floodplain), as delineated on the Flood Insurance Rate Map For Harris County, Texas and Incorporated Areas, Map Number 48157C0215L, revised April 2, 2014.

PERMIT NOTES:

CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY FORT BEND COUNTY, TEXAS PRIOR TO STARTING CONSTRUCTION OF UTILITIES AND/OR CULVERTS WITHIN COUNTY ROAD RIGHT-OF-WAY. THE PERMIT IS TO BE ISSUED IN THE OWNERS NAME.

CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY REGULATION OF FORT BEND COUNTY, TEXAS FOR FLOOD PLAIN MANAGEMENT PRIOR TO STARTING CONSTRUCTION.

FORT BEND COUNTY ENGINEER

ENGINEER: Rick Stoltz, P.E./mk
for Richard W. Stolte, P.E.

DATE: 6/23/17

THESE SIGNATURE ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.

APPROVED: [signature]
DEVELOPMENT COORDINATOR

DATE: 6/22/17

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
3			
2			
1			

BGE, Inc.
10777 Westheimer, Suite 400, Houston, TX 77042
Tel: 281-558-8700 • www.bgeinc.com
TBPE Registration No. F-1046

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1-800-545-6005

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TBPE Registration No. F-1046

S. MATTHEW TEL
100186
LICENSED
STATE OF TEXAS

6-1-17
Brown & Gay Engineers, Inc.
F-1046

SHEET NO: C1 OF 18

FRY ROAD PEDESTRIAN TRAIL (X:\Plans\VB\MUD035\Fry_Rd_Sidewalk_2131-01)

GENERAL

1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH CITY OF HOUSTON "STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING" AND ALL APPLICABLE AMENDMENTS AND REVISIONS THERETO AND BE SUBJECT TO INSPECTION BY THE CITY OF HOUSTON, FORT BEND COUNTY, OR THE ENGINEER OR HIS DESIGNEE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES AND OTHER FACILITIES.
3. CONTRACTOR SHALL COMPLY WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION STANDARDS AND ANY OTHER FEDERAL, STATE AND LOCAL REGULATIONS REGARDING TRENCH SAFETY SYSTEMS FOR TRENCH EXCAVATION.
4. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY. ALL CONSTRUCTION STORM RUNOFF SHALL COMPLY WITH THE FINAL DRAFT OF STORMWATER MANAGEMENT HANDBOOK FOR CONSTRUCTION ACTIVITIES AS PREPARED BY HARRIS COUNTY/HCFCD, AND THE CITY OF HOUSTON ALL IN COMPLIANCE WITH THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES) REQUIREMENTS.
5. CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY, UPON COMPLETION OF JOB, SHALL BE AS GOOD OR BETTER THAN CONDITION PRIOR TO STARTING WORK.
6. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO THE EXISTING PUBLIC OR PRIVATE UTILITY LINES, INCLUDING BUT NOT LIMITED TO WATER LINES, WASTEWATER COLLECTION SYSTEMS AND STORM SEWERS.

BACKFILL

1. EARTH BACKFILL SHALL BE MADE BY MECHANICAL MEANS TO PRODUCE A DENSITY EQUAL TO THAT OF SURROUNDING UNDISTURBED SOIL.

COMPACTION OF FILL

1. ALL AREAS TO BE FILLED ARE TO BE FREE OF VEGETATION, DEBRIS, PONDED WATER, LOOSE SOILS, MUD & MUCK.
2. ALL FILL OR DISPOSAL OF EXCESS MATERIAL SHALL BE COMPACTED IN 8" LOOSE LIFTS 95% STANDARD PROCTOR.

PAVING

1. GUIDELINES SET FORTH IN THE TxDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES SHALL BE OBSERVED.
2. THE STREETS, DRIVEWAYS, SIDEWALKS AND PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH FORT BEND COUNTY DEPARTMENT OF PUBLIC WORKS AND ENGINEERING'S "STANDARD CONSTRUCTION SPECIFICATIONS".
3. DRIVEWAY CONNECTIONS IN PUBLIC STREET RIGHT-OF-WAY SHALL COMPLY WITH FORT BEND COUNTY DRIVEWAY DETAILS FOR STREETS WITH CURBS.
4. CONTRACTOR SHALL BLOCK OUT (SQUARE) AROUND ALL INLETS AND MANHOLES IN PROPOSED PAVING AS SHOWN ON TYPE "A" INLET AND TYPE "C" MANHOLE DETAILS.
5. EXPANSION JOINT SHALL BE PLACED AT THE END OF EACH CURB RETURN AND A MAXIMUM 90' SPACING.

SWPPP CONSTRUCTION NOTES

1. CONTRACTOR SHALL IMPLEMENT INLET PROTECTION DEVICES AND REINFORCED FILTER FABRIC BARRIER ALONG ROAD AND SIDE DITCHES AT LOCATIONS SHOWN ON THE TYPICAL STORM WATER POLLUTION PREVENTION (SWPP) PLANS TO KEEP SILT AND/OR EXCAVATED MATERIALS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STREAM.
2. DURING THE EXCAVATION PHASE OF THE PROJECT, CONTRACTOR SHALL SCHEDULE THE WORK IN SHORT SEGMENTS SO THAT EXCAVATED MATERIAL CAN BE QUICKLY HAULED AWAY FROM THE SITE AND TO PREVENT IT FROM STAYING UNCOLLECTED ON THE EXISTING PAVEMENT. ANY LOOSE EXCAVATED MATERIAL WHICH FALLS ON PAVEMENTS OR DRIVEWAYS SHALL BE SWEPT BACK INTO THE EXCAVATED AREA.
3. CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY, TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE EXCAVATED AREA.
4. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.
5. CONTRACTOR SHALL INSPECT AND MAINTAIN THE AREAS LISTED BELOW AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER: * DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED; * AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; * STRUCTURAL CONTROL MEASURES * LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.
6. CONTRACTOR TO BE RESPONSIBLE FOR MAINTAINING EXISTING DITCHES AND/OR CULVERTS FOR UNOBSTRUCTED DRAINAGE AT ALL TIMES WHERE SODDING IS DISTURBED BY EXCAVATION OR BACKFILLING OPERATIONS. SUCH AREAS SHALL BE REPLACED BY SEEDING OR SODDING. SLOPES 4:1 OR STEEPER, SHALL BE REPLACED BY BLOCK SODDING.

PERMIT NOTES:

1. CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY FORT BEND COUNTY, TEXAS PRIOR TO STARTING CONSTRUCTION OF IMPROVEMENTS, UTILITIES AND/OR CULVERTS WITHIN COUNTY ROAD RIGHT-OF-WAY. THE PERMIT IS TO BE ISSUED IN THE OWNERS NAME.
2. CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY REGULATION OF FORT BEND COUNTY, TEXAS FOR FLOOD PLAIN MANAGEMENT PRIOR TO STARTING CONSTRUCTION.

FORT BEND COUNTY CONSTRUCTION GENERAL NOTES

1. FORT BEND COUNTY MUST BE INVITED TO THE PRE-CONSTRUCTION MEETING.
2. 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 CONSTRUCTIONINFORTBENDCOUNTYTX.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.
5. ALL ROAD WIDTHS, CURB RAMP AND CURB ALIGNMENT SHOWN INDICATES BACK OF CURB.
6. A CONTINUOUS LONGITUDINAL REINFORCING BAR SHALL BE USED IN THE CURBS.
7. ALL CONCRETE PAVEMENT SHALL BE 5 "A 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.
8. 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.

PROJECT COORDINATION CONTACTS:

AVALON AT SEVEN MEADOWS HOA – LANDSCAPE CONTRACTOR
SIAH CASTLEMAN
I.E.S. LANDSCAPE SERVICES, INC.
AREA MANAGER, L15435
(713) 470-7516 CELL

AVALON AT SEVEN MEADOWS HOA REPRESENTATIVE
SCOTT SLOAN
(832) 437-5706

SEVEN MEADOWS HOA – LANDSCAPE CONTRACTOR
EARTHCARE MANAGEMENT, INC.
(281) 304-6626

SEVEN MEADOWS HOA REPRESENTATIVE
ERICA SLATER
(713) 328-7100

FRIENDS OF DISTRICT OPERATOR
SEVERN TRENT SERVICES
RICH RAMBUN
(832) 435-5132

NOTE: ALL BACKFILL FOR TRENCHES AND STRUCTURES SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY

THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES THAT HAVE OR MAY HAVE ANY EFFECT ON THE PROPOSED IMPROVEMENTS BEFORE ANY WORK COMMENCES. THE LAYING OF ALL GRAVITY FLOW PIPES SHALL BEGIN AT THE OUTFALL OR CONNECTION TO THE EXISTING SYSTEM AND PROCEED UPSTREAM. IF ANY DISCREPANCY FROM THE PLANS IS FOUND, THE CONTRACTOR IS TO NOTIFY BROWN & GAY ENGINEERS, INC. BEFORE PROCEEDING FURTHER.

ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG!!!
(713) 223-4567 (In Houston)
(Use Statewide Number Outside Houston)
1-800-545-6005

FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: DEVELOPMENT COORDINATOR
DATE: 6/12/17

TO ASSURE FOR USES TO BE RUNNING OFF OF MAIN, CALL CONTRACTOR DIRECT AT 713-267-3001.
NOTICE!
For your safety you are required by Texas Law to call 811 at least 48 hours before you dig so that water pipes can be staked to avoid. Map verification does not work and obligation to call 811.

VERIFICATION OF PRIVATE UTILITY LINES

Date
Contractor Signature/Authorized Site Facility Verification ONLY
This Signature Affirm that you have found SWP Staked this field correctly – Signature NOT for all locations. Only Verification Area are see there.
Signature NOT for all locations.

Date
Contractor Signature/Authorized Onsite Facilities Verification ONLY
This Signature Affirm existing underground facilities – not to be used for marker verification.
Signature NOT for all locations.

Date
Approval for ONLY SIGN/SEAL underground consult facilities only
Signature Valid for One Year

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
1			
2			
3			

BGE
BGE, Inc.
10777 Westheimer, Suite 400
Houston, TX 77042
Tel: 281-558-8700 • www.bgeinc.com
TBPE Registration No. F-1046
CONTACT: Mike Gay

STATE OF TEXAS
A. MITCHELL GAY
LICENSED
PROFESSIONAL ENGINEER
No. 19031105
6-1-17
Brown & Gay Engineers, Inc.
F-1046

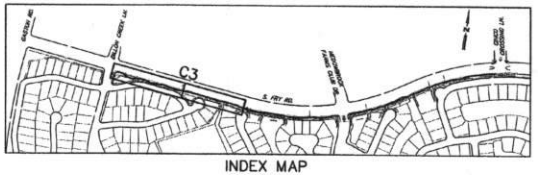
FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

GENERAL CONSTRUCTION NOTES

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

Submitted: BGE, INC.
SCALE: N.S.S.
DATE: JUNE 2017
SURVEY BY: BGE, INC.
F.B. NO.:
DESIGNED BY: B.J.K.
DRAWN BY: B.J.K.
SHEET NO. C2 OF 18 SHEETS
CITY DWG NO:



INDEX MAP
N.T.S.

LEGEND

B.F.	BOARD FENCE
B.L.	BUILDING LINE
BLDG.	BUILDING
B.P.	BRICK PAVERS
(CM)	CONTROL MONUMENT
C.R.W.	CONCRETE RETAINING WALL
Eslt.	EASEMENT
F.C.	FILM CODE
F.H.	FIRE HYDRANT
FND.	FOUND
G.P.	GATE POST
G.V.	GAS VALVE
H.C.	HANDICAP
H.C.C.F.	HARRIS COUNTY CLERK'S FILE
H.C.M.R.	HARRIS COUNTY MAP RECORDS
I.	IRON
M.H.	MANHOLE
NO.	NUMBER
PG.	PAGE
P.P.	POWER POLE
R.O.W.	RIGHT-OF-WAY
SAN.	SANITARY
S.N.S.	STREET NAME SIGN
SQ. FT.	SQUARE FEET
S.S.	STOP SIGN
STM.	STORM
T.C.B.	TRAFFIC CONTROL BOX
TRANS.	TRANSFORMER
VOL.	VOLUME
W.I.F.	WROUGHT IRON FENCE
W.M.	WATER METER
W.M.V.	WATER METER VAULT
W.V.	WATER VALVE

FLOOD ZONE:
The property lies in unshaded Zone "X" (areas determined to be outside the 0.2% annual chance floodplain), as delineated on the Flood Insurance Rate Map For Harris County, Texas and Incorporated Areas, Map Number 48201C0110L, revised April 02, 2014. boundaries shown hereon are approximate and are not depicted as a result of an on the ground survey.

0 30 60 90

N

BENCHMARKS:

NFBWA CPy26 — 5/8-INCH IRON ROD WITH A NFBWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD

ELEVATION: 116.33 FEET NAVD-88, 2002 ADJUSTMENT

(VERTICAL NOTE: THIS SURVEY IS CONSTRAINED TO THE NGS PUBLISHED ELEVATION FOR THE NORTHEAST 2250 CORS ARP ADJUSTED BY NGS IN 2002 AND PUBLISHED AS PID-AI5805, EPOCH DATE 2002. THE ELEVATION SHOWN FOR THE CONTROL POINT EQUALS THE ELLIPSOID HEIGHT MINUS THE GEOID HEIGHT (GEOID03) MINUS A CONSTANT OF 0.13 FEET.)

TBM 430-66-1 — BOX CUT ON THE FIRST "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.73 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-2 — BOX CUT ON THE SECOND "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.94 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-3 — BOX CUT ON THE FOURTH "BB" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.81 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-1 — BOX CUT ON THE FIRST "BB" INLET WEST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.48 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-2 — BOX CUT ON THE FIRST "BB" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

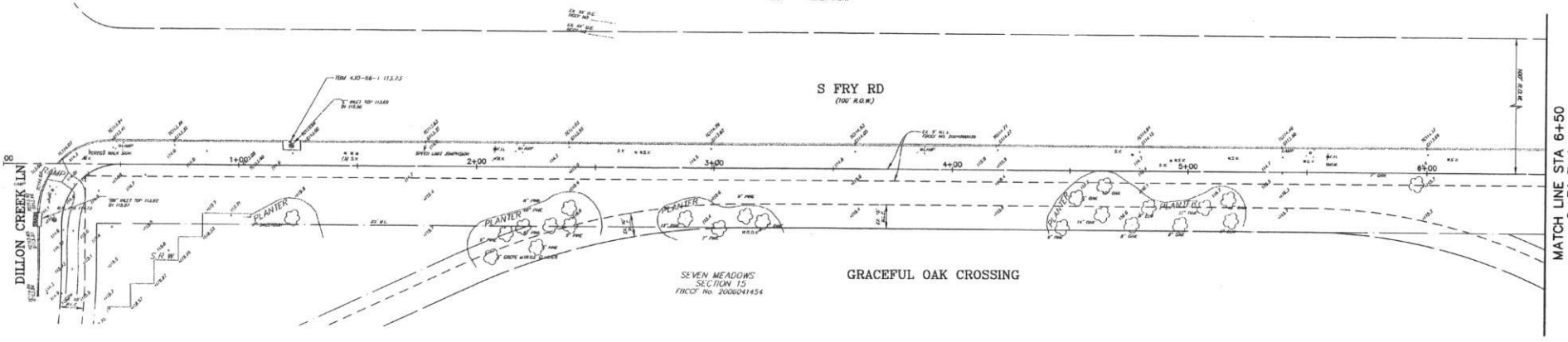
ELEVATION: 112.78 FEET NAVD-88, 2002 ADJUSTMENT

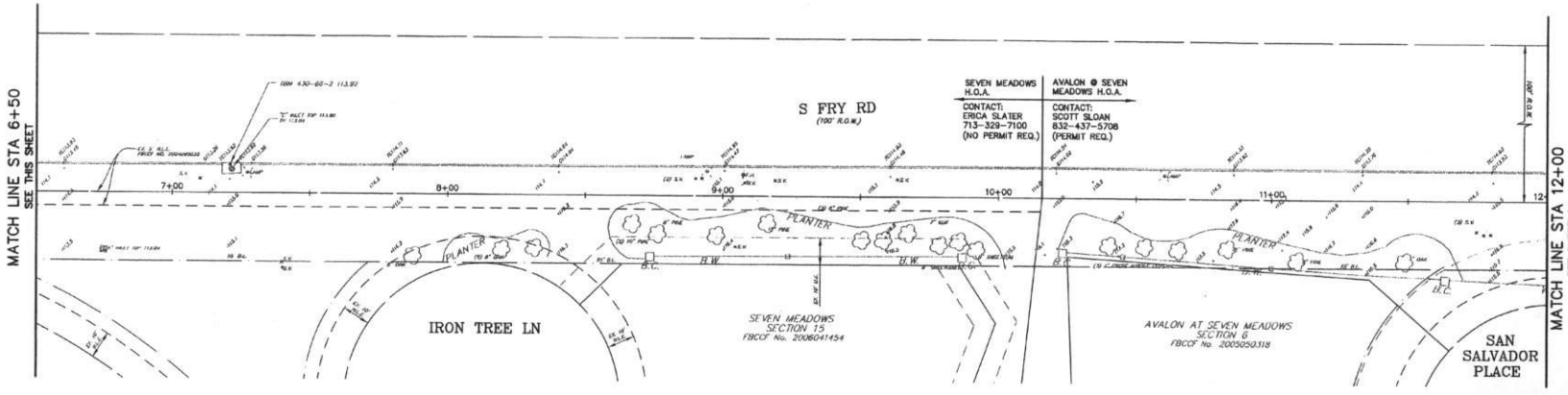
TBM 430-67-3 — BOX CUT ON THE SECOND "C" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.72 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-68-1 — BOX CUT ON THE FIRST "BB" INLET EAST OF CINCO CROSSING BOULEVARD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 111.19 FEET NAVD-88, 2002 ADJUSTMENT





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BGE, INC.
10777 Westheimer, Suite 400
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Tel: 281-558-8700 • www.bgeinc.com
TBPE Registration No. F-1046
Directors Row

STATE OF TEXAS
S. MATTHEW FEIL
100188
LICENSED
6-6-17

Brown & Gay Engineers, Inc.
F-1046

FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

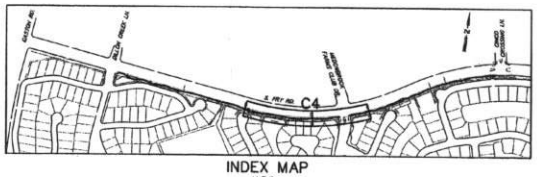
EXISTING CONDITIONS STA 0+00 TO 12+00

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC.
SCALE: 1"=20'
DATE: JUNE 2017
SURVEY BY: BGE, INC.
F.B. NO.
DESIGNED BY: D.J.A.
DRAWN BY: D.J.A.
SHEET NO C3 OF 18 SHEETS
CITY DWG. NO:

ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG!!!
(713) 223-4567 (In Houston)
(Non Statewide Number Outside Houston)
1-800-545-6005

FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: _____
DEVELOPMENT COORDINATOR
DATE: 6/22/17



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B.P.	BRICK PAVERS
(CM)	CONTROL MONUMENT
C.R.W.	CONCRETE RETAINING WALL
ESMT.	EASEMENT
F.C.	FILM CODE
F.H.	FIRE HYDRANT
FND	FOUND
G.P.	GATE POST
G.V.	GAS VALVE
H.C.	HANDICAP
H.C.C.F.	HARRIS COUNTY CLERK'S FILE
H.C.M.R.	HARRIS COUNTY MAP RECORDS
I.	IRON
M.H.	MANHOLE
NO.	NUMBER
PG.	PAGE
P.P.	POWER POLE
R.O.W.	RIGHT-OF-WAY
SAN	SANITARY
S.N.S.	STREET NAME SIGN
SQ. FT.	SQUARE FEET
S.S.	STOP SIGN
STM.	STORM
T.C.B.	TRAFFIC CONTROL BOX
TRANS.	TRANSFORMER
VOL.	VOLUME
W.I.F.	WROUGHT IRON FENCE
W.M.	WATER METER
W.M.V.	WATER METER VAULT
W.V.	WATER VALVE

FLOOD ZONE:
The property lies in unshaded Zone "X" (areas determined to be outside the 0.2% annual chance floodplain), as delineated on the Flood Insurance Rate Map For Harris County, Texas and Incorporated Areas, Map Number 48201C0110L, revised April 02, 2014. boundaries shown hereon are approximate and are not depicted as a result of an on the ground survey.

0 20 40 80

N

BENCHMARKS:

NFBWA CP#26 — 5/8-INCH IRON ROD WITH A NFBWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD

ELEVATION: 116.33 FEET NAVD-88, 2002 ADJUSTMENT

(VERTICAL NOTE: THIS SURVEY IS CONSTRAINED TO THE NGS PUBLISHED ELEVATION FOR THE NORTHEAST 2250 CORS ARP ADJUSTED BY NGS IN 2002 AND PUBLISHED AS PID:AJ8805, EPOCH DATE 2002. THE ELEVATION SHOWN FOR THE CONTROL POINT EQUALS THE ELLIPSOID HEIGHT MINUS THE GEOID HEIGHT (GEOID03) MINUS A CONSTANT OF 0.13 FEET.)

TBM 430-66-1 — BOX CUT ON THE FIRST "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.73 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-2 — BOX CUT ON THE SECOND "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.94 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-3 — BOX CUT ON THE FOURTH "BB" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.81 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-1 — BOX CUT ON THE FIRST "BB" INLET WEST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.48 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-2 — BOX CUT ON THE FIRST "BB" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

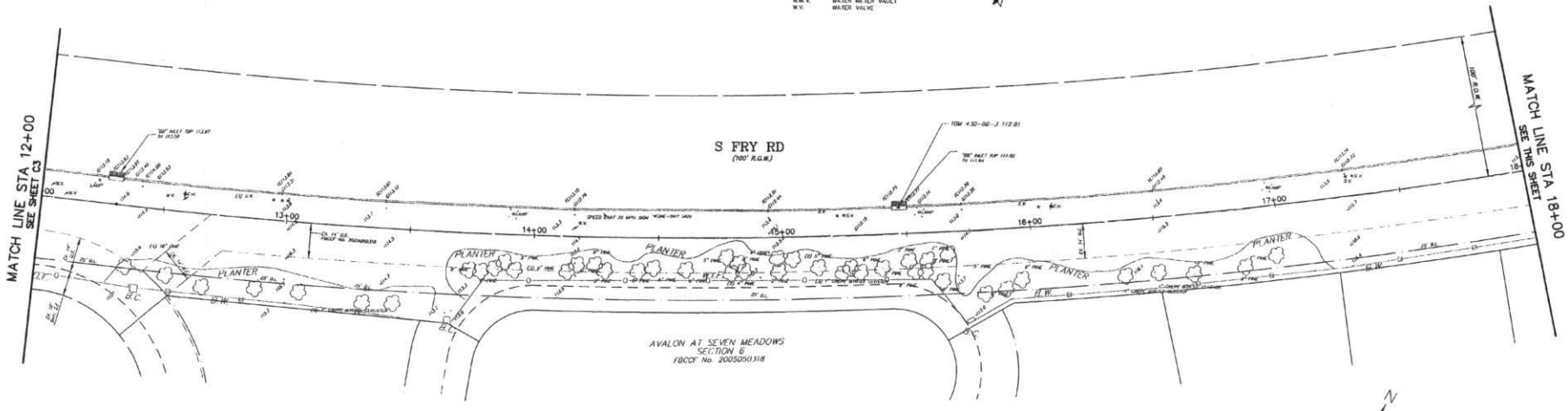
ELEVATION: 112.78 FEET NAVD-88, 2002 ADJUSTMENT

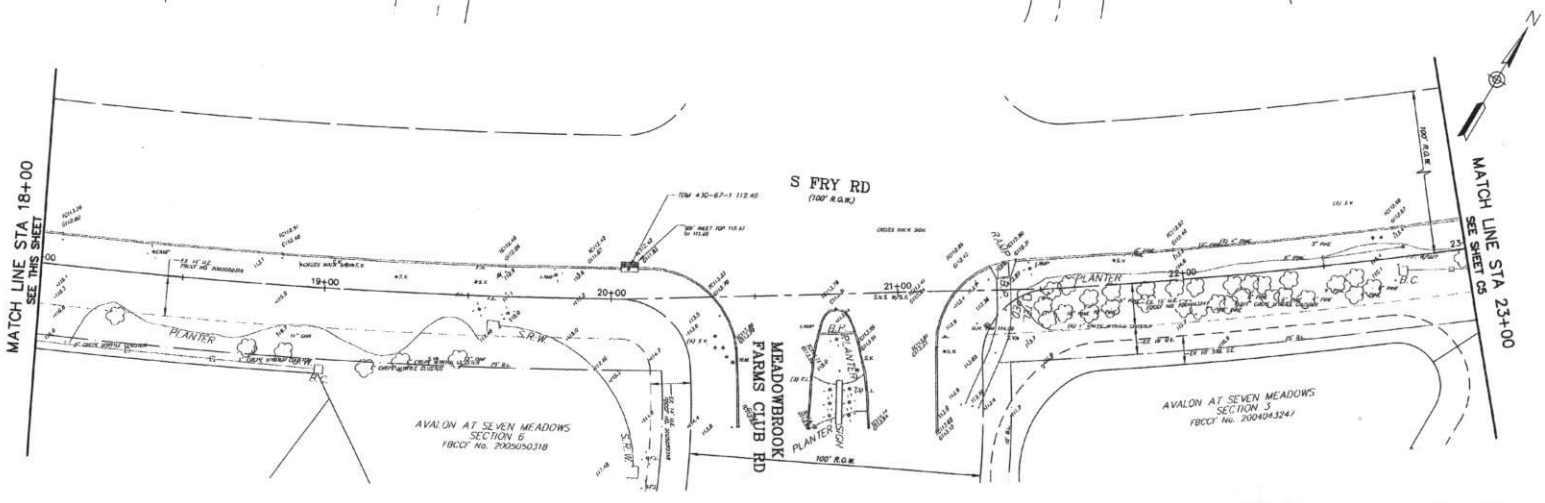
TBM 430-67-3 — BOX CUT ON THE SECOND "C" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.72 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-68-1 — BOX CUT ON THE FIRST "BB" INLET EAST OF CINCO CROSSING BOULEVARD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 111.19 FEET NAVD-88, 2002 ADJUSTMENT





REV. NO.	DATE	DESCRIPTION	P.E. APPR.
3			
2			
1			

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TBPE Registration No. F-1046

STATE OF TEXAS
S. MATTHEW FEIL
100186
LICENSED
PROFESSIONAL ENGINEER
6-1-17

Brown & Gay Engineers, Inc.
F-1046

FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

EXISTING CONDITIONS STA 12+00 TO 23+00

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC. | DESIGNED BY: D.A.A.
SCALE: 1"=20' | DRAWN BY: D.A.A.
DATE: JUNE 2017 | SHEET NO. C4 OF 18 SHEETS
SURVEY BY: BGE, INC. | CITY DWG NO:
F.B. NO:

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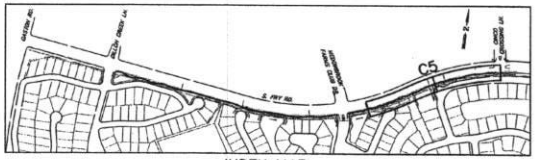
FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: _____ DEVELOPMENT COORDINATOR
DATE: 6/22/17



INDEX MAP
N.T.S.

LEGEND

B.F.	BOARD FENCE
B.L.	BUILDING LINE
BLDG.	BUILDING
B.P.	BRICK PAVERS
(CM)	CONTROL MONUMENT
C.R.W.	CONCRETE RETAINING WALL
ESMT.	EASEMENT
F.C.	FILM CODE
F.H.	FIRE HYDRANT
FND.	FOUND
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FLOOD ZONE:
The property lies in unshaded Zone "X" (areas determined to be outside the 0.2% annual chance floodplain), as delineated on the Flood Insurance Rate Map For Harris County, Texas and Incorporated Areas, Map Number 48201C0110L, revised April 02, 2014. boundaries shown hereon are approximate and are not depicted as a result of an on the ground survey.

0 30 40 60

BENCHMARKS:

NFBWA CP#26
5/8-INCH IRON ROD WITH A NFBWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD
ELEVATION: 116.33 FEET NAVD-88, 2002 ADJUSTMENT

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ELEVATION: 112.48 FEET NAVD-88, 2002 ADJUSTMENT

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BOX CUT ON THE FIRST "BB" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD
ELEVATION: 112.78 FEET NAVD-88, 2002 ADJUSTMENT

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BOX CUT ON THE SECOND "C" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD
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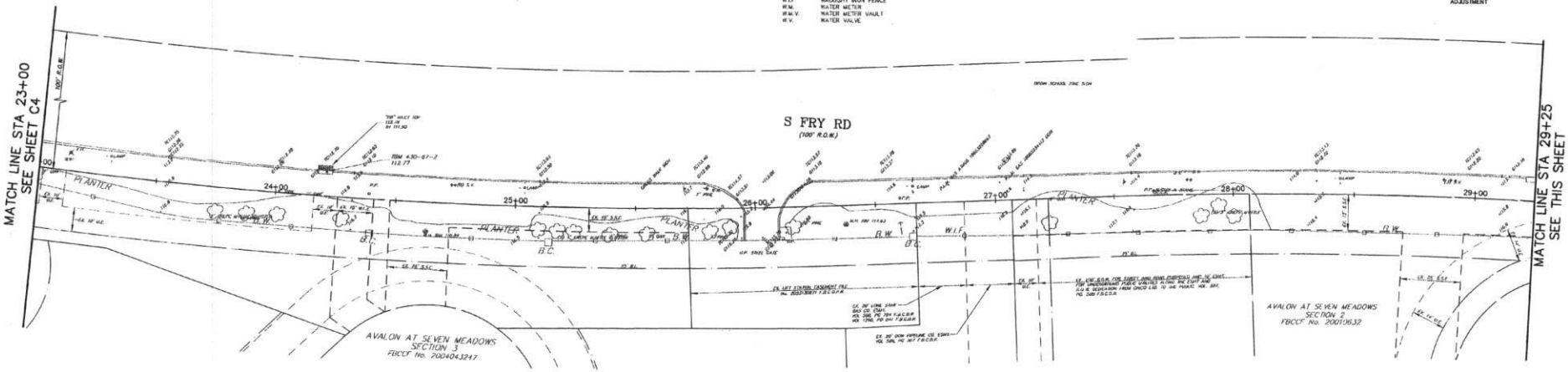
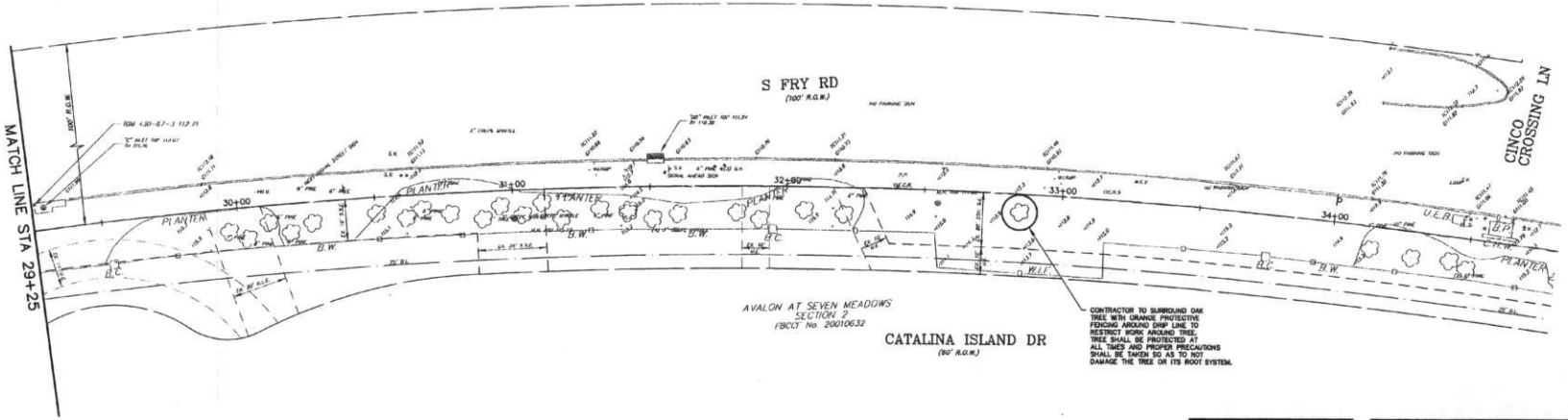
ELEVATION: 111.19 FEET NAVD-88, 2002 ADJUSTMENT





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100186
LICENSED PROFESSIONAL ENGINEER

6-1-17
Brown & Guy Engineers, Inc.
F-1046

FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

EXISTING CONDITIONS
STA 23+00 TO END

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC.
SCALE: 1"=30'
DATE: JUNE 2017
SURVEY BY: BGE, INC.
F.B. NO.
DESIGNED BY: D.J.A.
DRAWN BY: D.J.A.
SHEET NO. C5 OF 18 SHEETS
CITY DWG NO:

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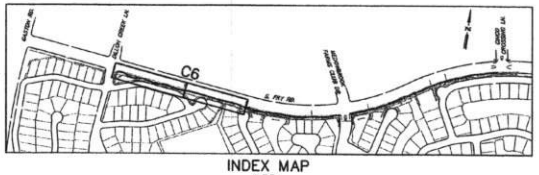
1-800-545-6005

FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: DEVELOPMENT COORDINATOR
DATE: 6/22/17



INDEX MAP
N.T.S.

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	1.38	5.00	15.78	N55° 48' 43"E	1.37
C2	79.39	99.57	45.69	N86° 32' 37"E	77.31
C3	65.74	123.28	30.55	N83° 55' 12"E	64.97
C4	84.11	190.45	25.30	N80° 52' 38"E	83.43
C5	69.12	261.89	15.12	N86° 41' 08"E	68.92
C6	36.17	135.53	15.29	N70° 24' 05"E	36.06
C7	34.67	81.35	24.42	N75° 43' 35"E	34.41
C8	10.47	97.00	6.18	S88° 06' 35"E	10.46
C9	60.16	229.74	15.00	N84° 44' 08"E	59.99
C10	68.93	1079.51	3.66	N76° 43' 12"E	68.92
C11	4.01	97.00	2.37	N79° 43' 56"E	4.01
C12	104.86	773.69	7.77	N81° 28' 34"E	104.78
C13	77.85	427.55	10.43	N83° 49' 48"E	77.74

FLOOD ZONE:
The property lies in unshaded Zone "X" (areas determined to be outside the 0.2% annual chance floodplain), as delineated on the Flood Insurance Rate Map For Harris County, Texas and Incorporated Areas, Map Number 48201C0110L, revised April 02, 2014. boundaries shown hereon are approximate and are not depicted as a result of an on the ground survey.

0 20 40 80

N

BENCHMARKS:

NFSWA CP#26 — 5/8-INCH IRON ROD WITH A NFSWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD

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ELEVATION: 113.73 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-2 — BOX CUT ON THE SECOND "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.94 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-3 — BOX CUT ON THE FOURTH "BB" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.81 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-1 — BOX CUT ON THE FIRST "BB" INLET WEST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

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TBM 430-67-2 — BOX CUT ON THE FIRST "BB" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.78 FEET NAVD-88, 2002 ADJUSTMENT

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ELEVATION: 112.72 FEET NAVD-88, 2002 ADJUSTMENT

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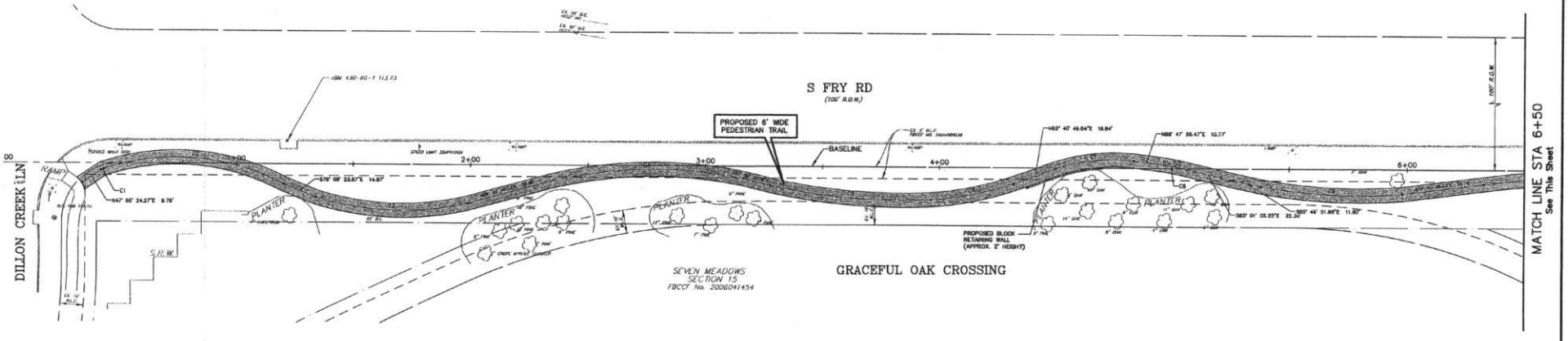
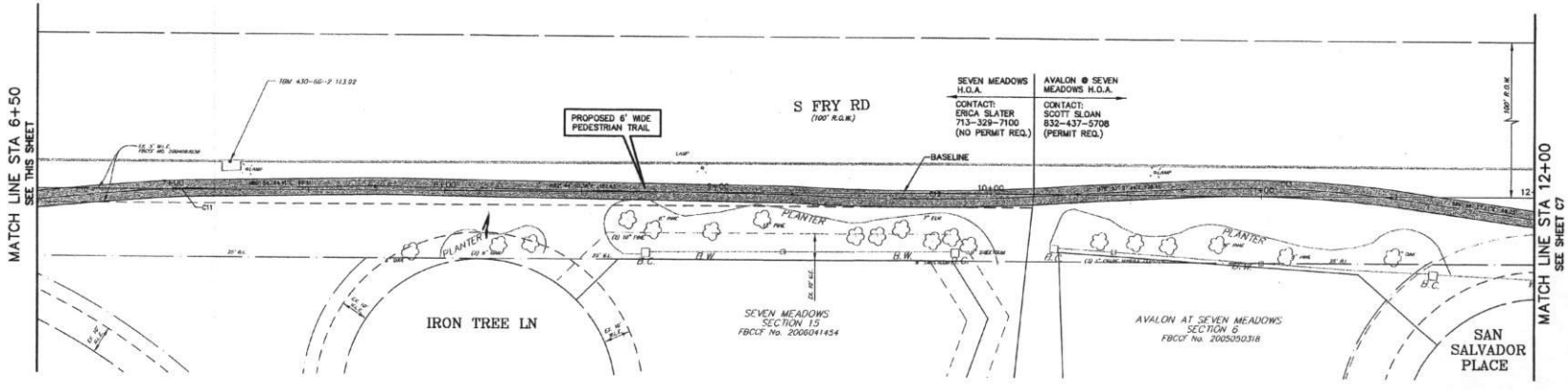
ELEVATION: 111.19 FEET NAVD-88, 2002 ADJUSTMENT





NOTE:
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FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: DEVELOPMENT COORDINATOR
DATE: 6/22/17

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
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2			
1			

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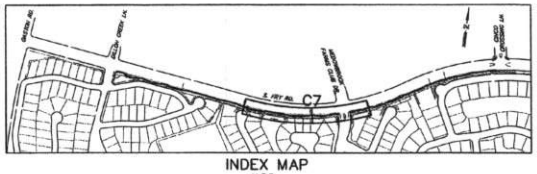
FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

DIMENSION CONTROL PLAN
STA 0+00 TO 12+00

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC. — DESIGNED BY: D.J.A.
SCALE: 1"=30' — DRAWN BY: D.J.A.
DATE: JUNE 2017 — SHEET NO. C6 OF 18 SHEETS
SURVEY BY: BGE, INC. — CITY D/NO NO:
F.B.NO.



INDEX MAP
N.T.S.

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C14	58.22	220.67	15.12	N82° 55' 16"E	58.05
C15	4.25	100.00	2.44	N76° 34' 53"E	4.25
C16	18.24	140.85	7.42	N71° 41' 29"E	18.22
C17	13.63	100.00	7.81	N64° 04' 36"E	13.62
C18	37.68	113.46	19.03	N69° 41' 08"E	37.51
C19	7.51	103.00	4.18	N77° 06' 37"E	7.51
C20	7.81	97.00	4.61	N79° 28' 31"E	7.80
C21	21.06	126.80	9.52	N77° 01' 22"E	21.03
C22	8.42	97.00	4.97	N74° 45' 06"E	8.42
C23	112.44	416.11	15.48	N74° 07' 02"E	112.10
C24	15.16	103.00	8.43	N61° 53' 01"E	15.15
C25	114.73	435.12	15.11	N65° 13' 15"E	114.40
C26	10.26	147.00	4.00	N74° 46' 24"E	10.25
C27	54.67	127.51	24.57	N64° 29' 21"E	54.25
C28	11.92	147.00	4.64	N58° 36' 12"E	11.91
C29	12.24	31.40	22.34	N50° 00' 08"E	12.16
C30	10.97	38.00	16.54	N47° 06' 05"E	10.93
C31	28.32	97.00	16.73	N61° 43' 25"E	28.21
C32	15.38	46.92	18.78	N58° 46' 09"E	15.32
C33	48.02	197.22	13.95	N50° 08' 58"E	47.90

FLOOD ZONE:
The property lies in unshaded Zone "X" (areas determined to be outside the 0.2% annual chance floodplain), as delineated on the Flood Insurance Rate Map For Harris County, Texas and Incorporated Areas, Map Number 48201C0815L, revised April 02, 2014. boundaries shown hereon are approximate and are not depicted as a result of an on the ground survey.

BENCHMARKS:

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ELEVATION: 112.81 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-1 — BOX CUT ON THE FIRST "BB" INLET WEST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.46 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-2 — BOX CUT ON THE FIRST "BB" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.78 FEET NAVD-88, 2002 ADJUSTMENT

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TBM 430-68-1 — BOX CUT ON THE FIRST "BB" INLET EAST OF CHICO CROSSING BOULEVARD ON THE SOUTH SIDE OF FRY ROAD

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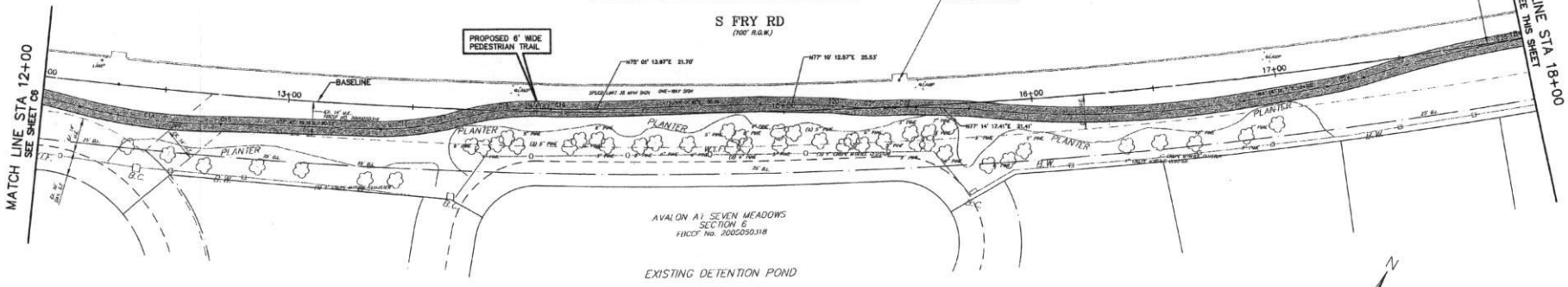

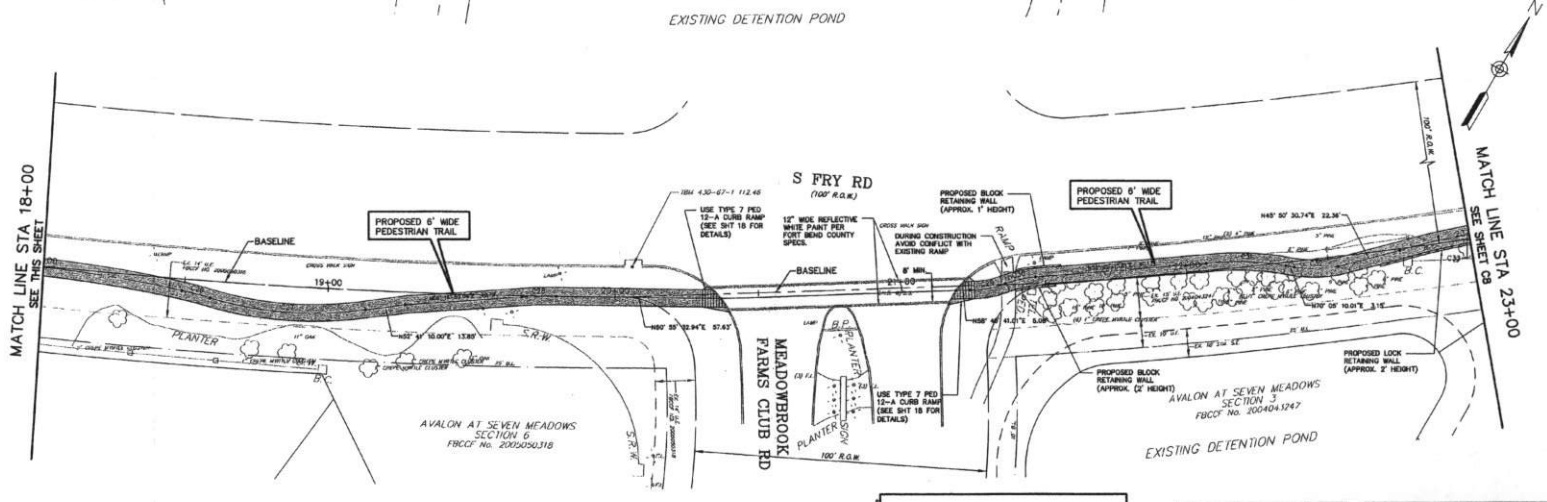

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FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: _____
DEVELOPMENT COORDINATOR
DATE: 6/22/17

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
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F-1046

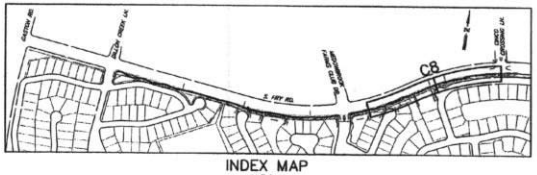
FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

DIMENSION CONTROL PLAN
STA 12+00 TO 23+00

JOB NUMBER: X:\DISTRICTS\FBCMU0035\2131-01

SUBMITTED: BGE, INC.	DESIGNED BY: D.A.A.
SCALE: 1"=20'	DRAWN BY: D.A.A.
DATE: APRIL 2017	SHEET NO. C7 OF 18 SHEETS
SURVEY BY: BGE, INC.	CITY DWG NO:
F.B. NO.	



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Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C34	23.57	72.64	18.59	N54° 34' 35"E	23.47
C35	28.41	61.36	26.53	N50° 07' 01"E	28.16
C36	14.74	60.32	14.00	N50° 32' 56"E	14.70
C37	31.45	130.54	13.80	N45° 11' 49"E	31.38
C38	31.27	109.64	16.34	N43° 28' 53"E	31.16
C39	28.33	217.09	7.48	N37° 53' 32"E	28.31
C40	19.71	144.97	7.79	N46° 41' 00"E	19.69
C41	23.38	72.44	18.49	N53° 57' 04"E	23.28
C42	14.02	51.39	15.63	N49° 52' 57"E	13.98
C43	34.00	249.44	7.81	N43° 57' 14"E	33.97
C44	27.74	150.39	10.57	N43° 07' 23"E	27.70
C45	37.47	162.05	13.25	N43° 13' 37"E	37.38
C46	45.68	231.33	11.31	N46° 43' 51"E	45.61
C47	35.51	367.85	5.53	N49° 17' 31"E	35.49
C48	38.41	216.37	10.17	N53° 38' 34"E	38.36
C49	32.50	141.81	13.13	N51° 08' 52"E	32.43
C50	47.83	197.00	13.91	N52° 40' 59"E	47.71
C51	23.85	197.00	6.94	N63° 06' 27"E	23.84
C52	20.64	103.00	11.48	N60° 50' 09"E	20.60
C53	25.86	197.00	7.52	N58° 51' 22"E	25.84
C54	5.30	4.00	75.93	N26° 48' 44"E	4.92

FLOOD ZONE:
This property lies in unshaded Zone "X" (areas determined to be outside the 0.2% annual chance floodplain), as delineated on the Flood Insurance Rate Map For Harris County, Texas and Incorporated Areas, Map Number 48201C0110L, revised April 02, 2014. Boundaries shown hereon are approximate and are not depicted as a result of an on the ground survey.

BENCHMARKS:

NFBWA CP#26 — 5/8-INCH IRON ROD WITH A NFBWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD

ELEVATION: 116.33 FEET NAVD-88, 2002 ADJUSTMENT

(VERTICAL NOTE: THIS SURVEY IS CONSTRAINED TO THE NGS PUBLISHED ELEVATION FOR THE NORTHEAST 2280 CORS ARP ADJUSTED BY NGS IN 2002 AND PUBLISHED AS PID:AJ8805, EPOCH DATE 2002. THE ELEVATION SHOWN FOR THE CONTROL POINT EQUALS THE ELLIPSOID HEIGHT MINUS THE GEOID HEIGHT (GEOID03) MINUS A CONSTANT OF 0.13 FEET.)

TBM 430-66-1 — BOX CUT ON THE FIRST "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.73 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-2 — BOX CUT ON THE SECOND "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.94 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-3 — BOX CUT ON THE FOURTH "BB" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.81 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-1 — BOX CUT ON THE FIRST "BB" INLET WEST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.48 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-2 — BOX CUT ON THE FIRST "BB" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

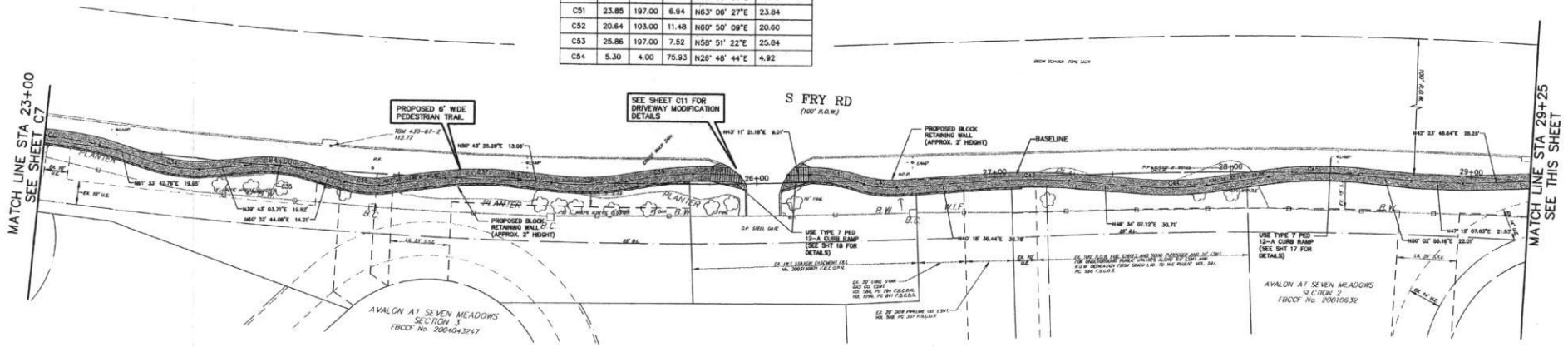
ELEVATION: 112.78 FEET NAVD-88, 2002 ADJUSTMENT

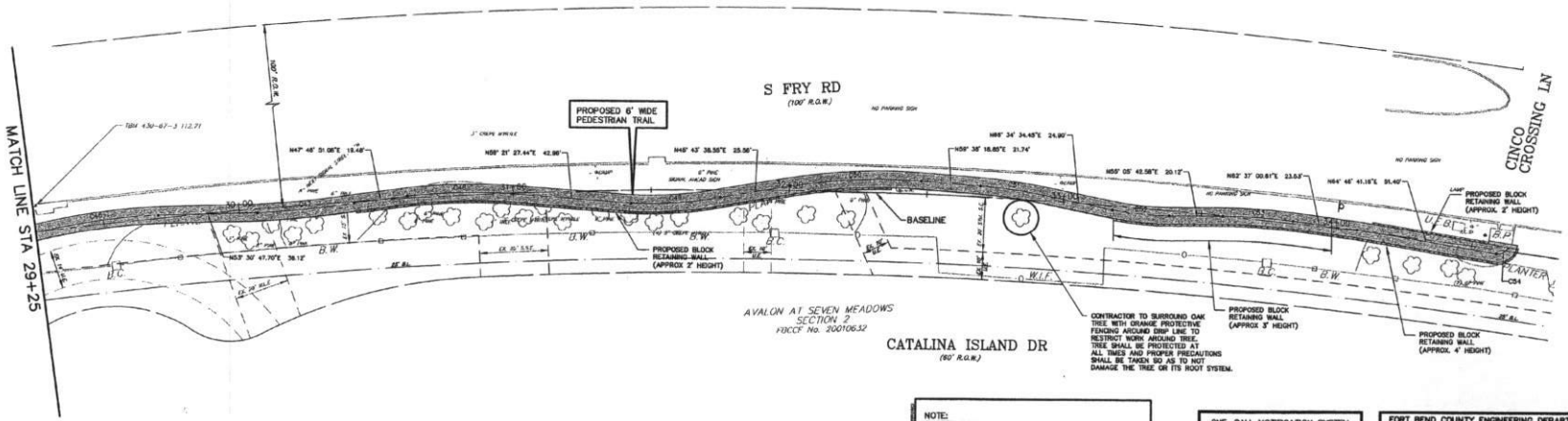
TBM 430-67-3 — BOX CUT ON THE SECOND "C" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.72 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-68-1 — BOX CUT ON THE FIRST "BB" INLET EAST OF CINCO CROSSING BOULEVARD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 111.19 FEET NAVD-88, 2002 ADJUSTMENT





NOTE:
SHEETS C6 THRU C8 ARE FOR DIMENSION ALIGNMENTS PURPOSES ONLY. SEE SHEETS C9 THROUGH C17 FOR PROJECT DESIGN COMPONENTS.

ONE-CALL NOTIFICATION SYSTEM
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FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: DEVELOPMENT COORDINATOR
DATE: 6/22/17

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
3			
2			
1			

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STATE OF TEXAS
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Brown & Gay Engineers, Inc.
F-1046

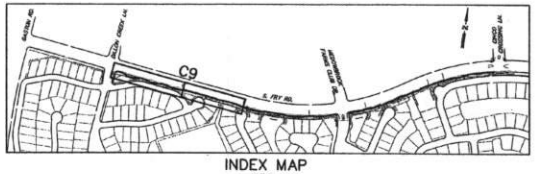
FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

DIMENSION CONTROL PLAN STA 23+00 TO END

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

MANNTECH INC. INC.	DESIGNED BY: D.A.A.
SCALE: 1"=20'	DRAWN BY: D.A.A.
DATE: JUNE 2017	SHEET NO C8 OF 18 SHEETS
SURVEY BY: INC. INC.	CITY DWG NO.
F.B NO.	



INDEX MAP
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6. CONTRACTOR TO INSTALL CONCRETE TRAIL TO MEET ALL CURRENT ADA STANDARDS, CROSS-SLOPE SHALL NOT EXCEED 2% AND LONGITUDINAL SLOPE SHALL NOT EXCEED 5%, EXCEPT AT CURB RAMPS.
7. ALL BLOCK RETAINING WALLS SHALL BE PAVESTONE DESIGNED WALLS, OR APPROVED EQUAL. CONTRACTOR SHALL SUBMIT WALL DESIGNS FOR REVIEW PRIOR TO INSTALLATION.

N

FLOOD ZONE:
The property lies in unshaded Zone "X" (areas determined to be outside the 0.2% annual chance floodplain), as delineated on the Flood Insurance Rate Map For Harris County, Texas and Incorporated Areas, Map Number 48201C0110L, revised April 02, 2014. boundaries shown hereon are approximate and are not depicted as a result of an on the ground survey.

0 30 60 90

BENCHMARKS:

NFBWA CP#26
5/8-INCH IRON ROD WITH A NFBWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD
ELEVATION: 116.33 FEET NAVD-88, 2002 ADJUSTMENT
(VERTICAL NOTE: THIS SURVEY IS CONSTRAINED TO THE NGS PUBLISHED ELEVATION FOR THE NORTHEAST 2250 CORS ARP ADJUSTED BY NGS IN 2002 AND PUBLISHED AS PID AJ5860, EPOCH DATE 2002. THE ELEVATION SHOWN FOR THE CONTROL POINT EQUALS THE ELLIPSOID HEIGHT MINUS THE GEOID HEIGHT (GEOID03) MINUS A CONSTANT OF 0.13 FEET.)

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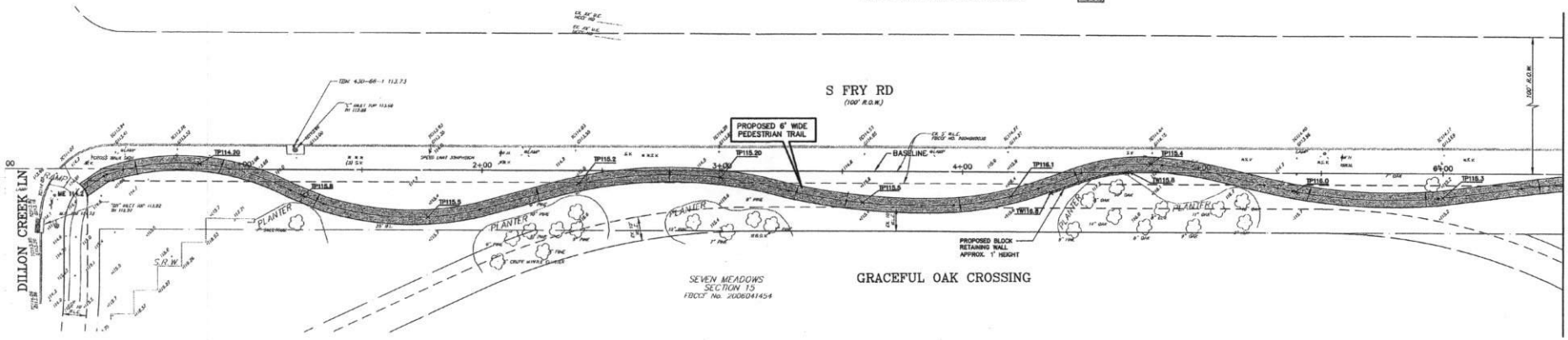
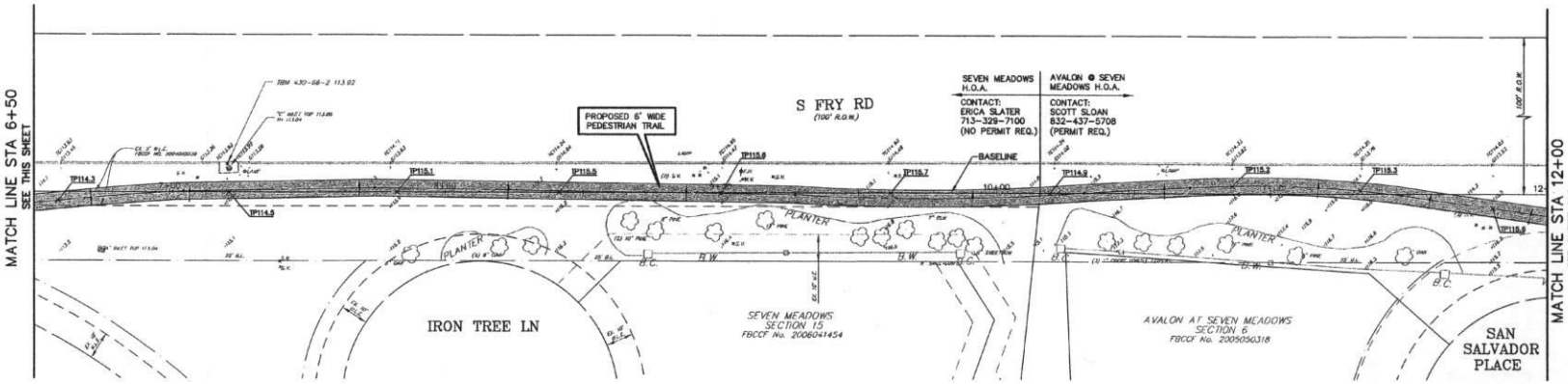
ELEVATION: 111.19 FEET NAVD-88, 2002 ADJUSTMENT

LEGEND

EXISTING GROUND ELEVATION	+EG.60
MATCH EXISTING ELEVATION	M.E.
TOP OF PAVEMENT	TP53.60
FINISH GRADE ELEVATION	FG55.20
PROPOSED CROSS-SLOPE DIRECTION	
TOP OF WALL ELEVATION	TW55.20
PROPOSED 4 1/2" REINFORCED CONCRETE SIDEWALK	





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Brown & Gay Engineers, Inc.
F-1046

FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

PEDESTRIAN TRAIL PLAN STA 0+00 TO 12+00

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC.
SCALE: 1"=20'
DATE: JUNE 2017
SURVEY BY: BGE, INC.
F.B. NO.
DESIGNED BY: B.A.A.
DRAWN BY: B.A.A.
SHEET NO C9 OF 18 SHEETS
CITY DWG NO:

ONE-CALL NOTIFICATION SYSTEM
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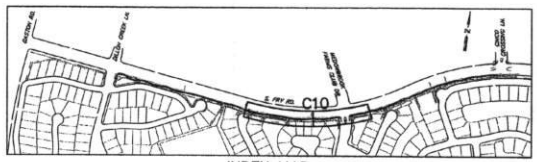
(New Statewide Number Outside Houston)
1-800-545-6005

FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: DEVELOPMENT COORDINATOR
DATE: 6-22-17



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0 20 40 80

BENCHMARKS:

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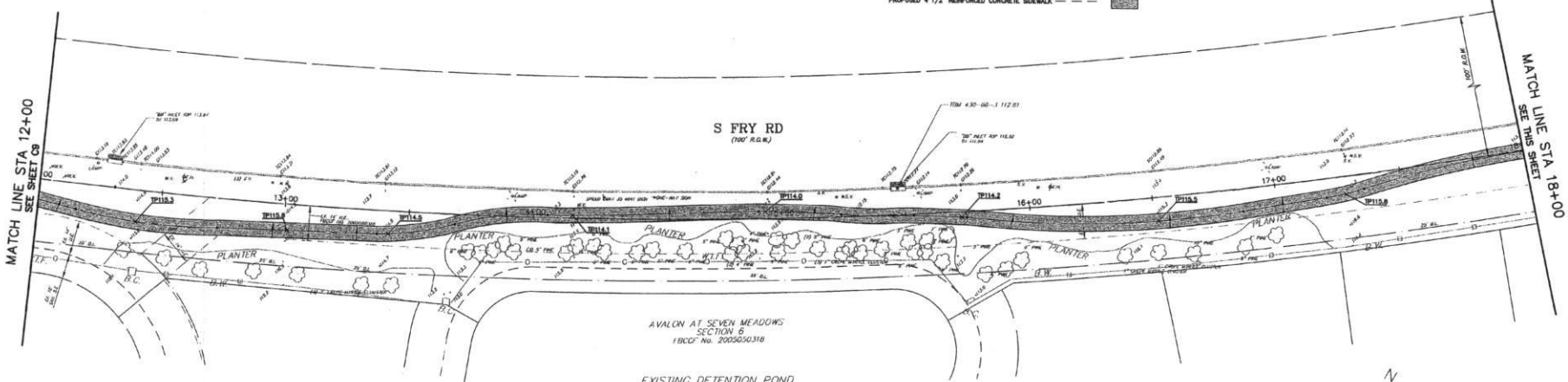
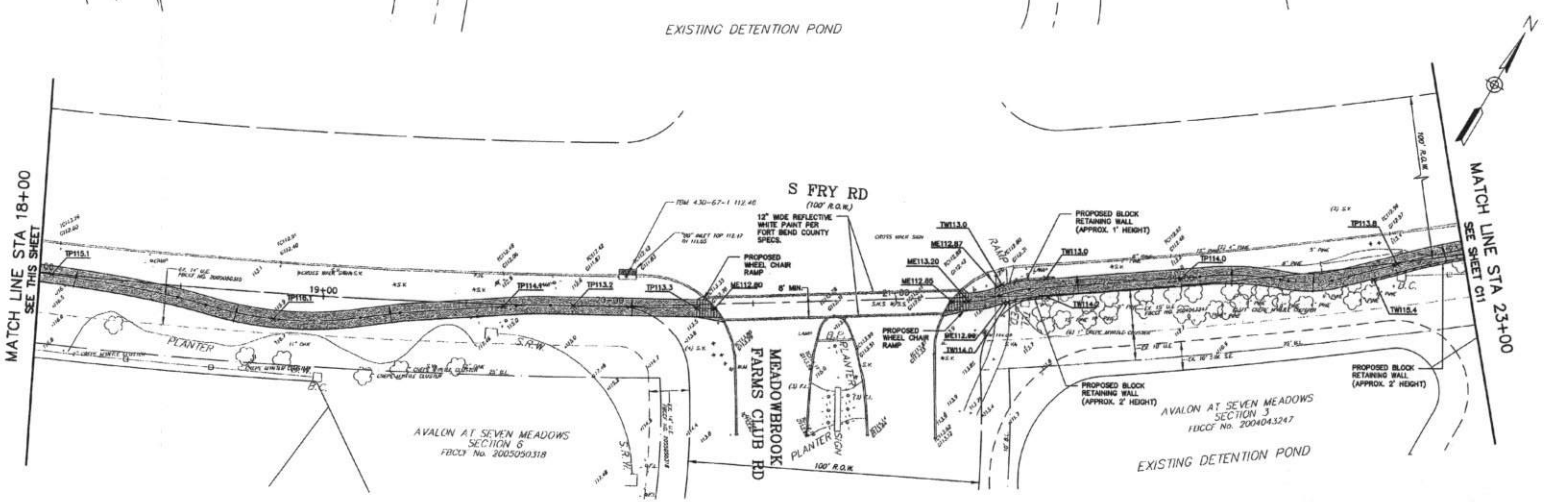
ELEVATION: 111.19 FEET NAVD-88, 2002 ADJUSTMENT

LEGEND

EXISTING GROUND ELEVATION	+99.44
MATCH EXISTING ELEVATION	M.E.
TOP OF PAVEMENT	TP53.60
FINISH GRADE ELEVATION	FG55.20
PROPOSED CROSS-SLOPE DIRECTION	→
TOP OF WALL ELEVATION	TW55.20
PROPOSED 4 1/2" REINFORCED CONCRETE SIDEWALK	





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DATE: 6/22/17

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Brown & Gay Engineers, Inc.
F-1046

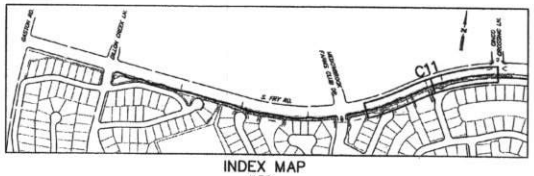
FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

PEDESTRIAN TRAIL PLAN STA 12+00 TO 23+00

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC.
SCALE: 1"=20'
DATE: JUNE 2017
SURVEY BY: BGE, INC.
F.B. NO.:
DESIGNED BY: D.J.A.
DRAWN BY: D.J.A.
SHEET C10 OF 18 SHEETS
CITY DWG NO:



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FLOOD ZONE:
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0 30 60 90

LEGEND

EXISTING GROUND ELEVATION	53.40
MATCH EXISTING ELEVATION	M.E.
TOP OF PAVEMENT	TP53.60
FINISH GRADE ELEVATION	FG55.20
PROPOSED CROSS-SLOPE DIRECTION	
TOP OF WALL ELEVATION	TW55.20
PROPOSED 7" REINFORCED CONCRETE	
PROPOSED 4 1/2" REINFORCED CONCRETE SIDEWALK	

BENCHMARKS:

NFBMA CP#26
5/8-INCH IRON ROD WITH A NFBMA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD
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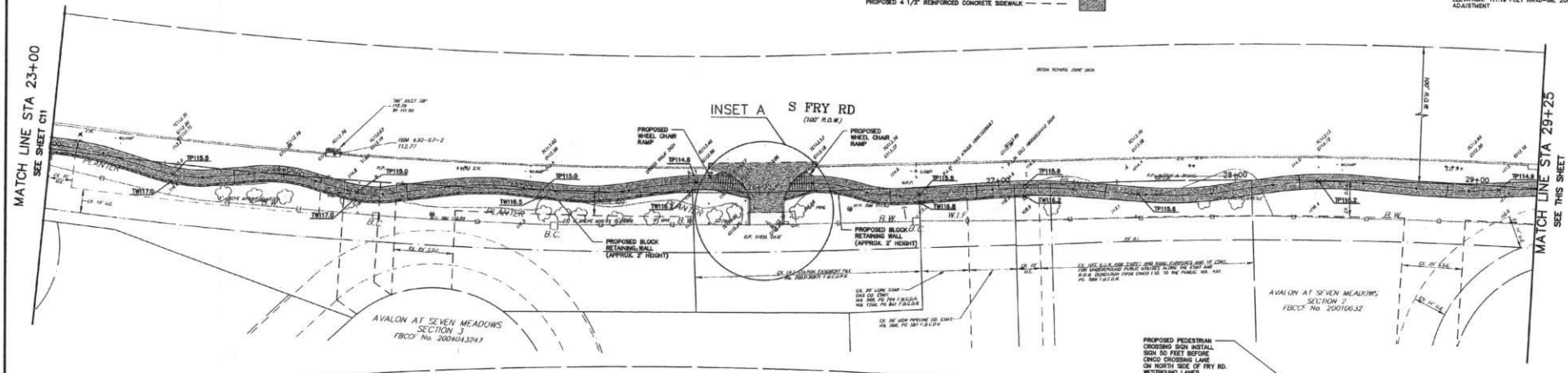

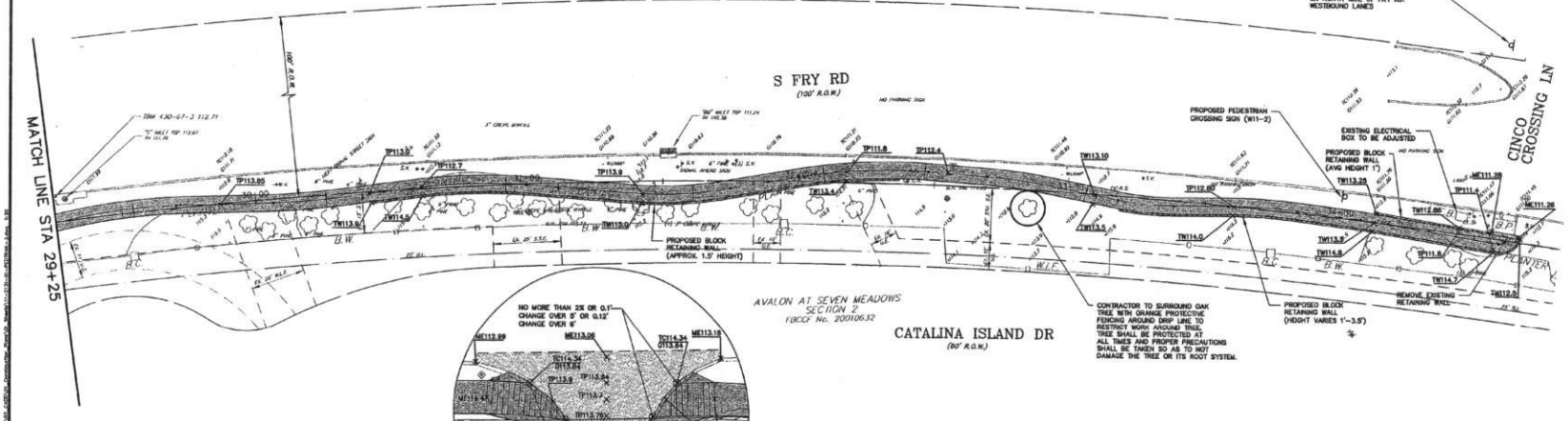

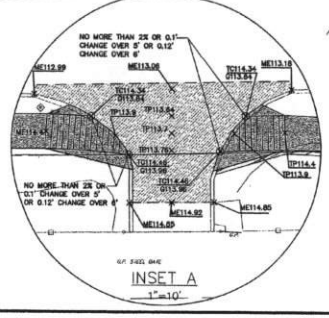

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
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E. MATTHEW FEK
100186
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6-1-17
Brown & Gay Engineers, Inc.
F-1046

FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

PEDESTRIAN TRAIL PLAN STA 23+00 TO END

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC.
SCALE: 1"=20'
DATE: JUNE 2017
SURVEY BY: BGE, INC.
F.B. NO.
DESIGNED BY: D.A.A.
DRAWN BY: D.A.A.
SHEET NO. C11 OF 18 SHEETS
CITY DWG NO:

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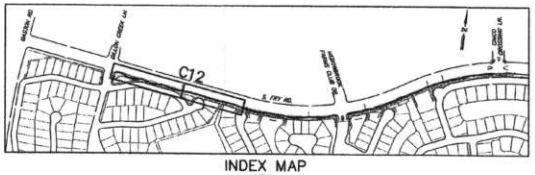
(Near Statewide Number Outside Houston)
1-800-545-6005

FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: DEVELOPMENT COORDINATOR
DATE: 6/22/17



INDEX MAP
N.T.S.

LEGEND

STABILIZED CONSTRUCTION ACCESS	SCA
INLET PROTECTION BARRIER	IPB
CONCRETE TRUCK WASH	CTW
REINFORCED FILTER FABRIC FENCE	RFB

SWPPP NOTES:

1. THE SITE IS TO BE STABILIZED UPON COMPLETION OF THE UNDERGROUND UTILITY AND PAVING OPERATIONS.
2. THE AREAS OUTSIDE OF THE BUILDINGS AND PAVING ARE TO BE PLANTED WITH LAWN, SHRUBS, TREES, AND OTHER LANDSCAPING ITEMS TO PREVENT SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.
3. THE STRUCTURAL INLET PROTECTION AND THE FILTER FABRIC FENCING AROUND THE SITE ARE TO REMAIN IN PLACE UNTIL THE SITE IS APPROXIMATELY 75% STABILIZED.
4. PLEASE REFERENCE THE STORMWATER POLLUTION PREVENTION PLAN BOOK FOR ADDITIONAL REQUIREMENTS.
5. CONTRACTOR SHALL ALSO REFERENCE THE LANDSCAPE ARCHITECTURAL PLANS FOR THE EXACT PLANTING SCHEDULE.
6. REFER TO GENERAL NOTES SHEET OR SPECIFIC DETAIL SHEET THIS SET FOR FURTHER INSTRUCTIONS. FOR ANY DISCREPANCIES THE MORE STRINGENT WILL APPLY.

FLOOD ZONE:
The property lies in unshaded Zone "X" (areas determined to be outside the 0.2% annual chance floodplain), as delineated on the Flood Insurance Rate Map For Harris County, Texas and Incorporated Areas, Map Number 48201C0110L, revised April 02, 2014. Boundaries shown hereon are approximate and are not depicted as a result of an on the ground survey.

0 20 40 80

N

BENCHMARKS:

NFBWA CP626 — S/S-INCH IRON ROD WITH A NFBWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD
ELEVATION: 116.33 FEET NAVD-88, 2002 ADJUSTMENT
(VERTICAL NOTE: THIS SURVEY IS CONSTRAINED TO THE NGS PUBLISHED ELEVATION FOR THE NORTHEAST 2350 CORS ARP ADJUSTED BY NGS IN 2002 AND PUBLISHED AS PID:AB8805, EPOCH DATE 2002. THE ELEVATION SHOWN FOR THE CONTROL POINT EQUALS THE ELLIPSOID HEIGHT MINUS THE GEOID HEIGHT (GEOID03) MINUS A CONSTANT OF 0.13 FEET.)

TBM 430-66-1 — BOX CUT ON THE FIRST "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD
ELEVATION: 113.73 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-2 — BOX CUT ON THE SECOND "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD
ELEVATION: 113.94 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-3 — BOX CUT ON THE FOURTH "BB" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD
ELEVATION: 112.81 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-1 — BOX CUT ON THE FIRST "BB" INLET WEST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD
ELEVATION: 112.48 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-2 — BOX CUT ON THE FIRST "BB" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD
ELEVATION: 112.78 FEET NAVD-88, 2002 ADJUSTMENT

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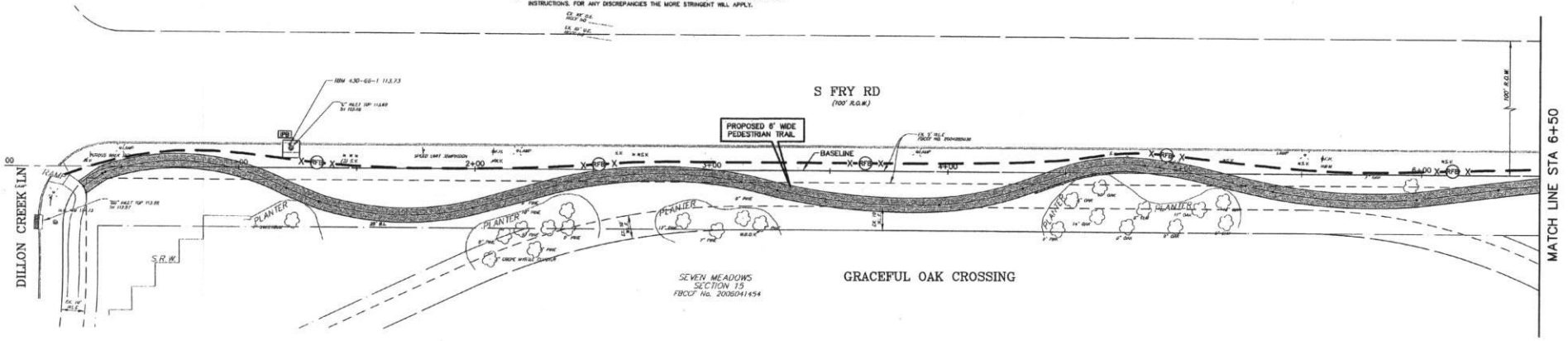
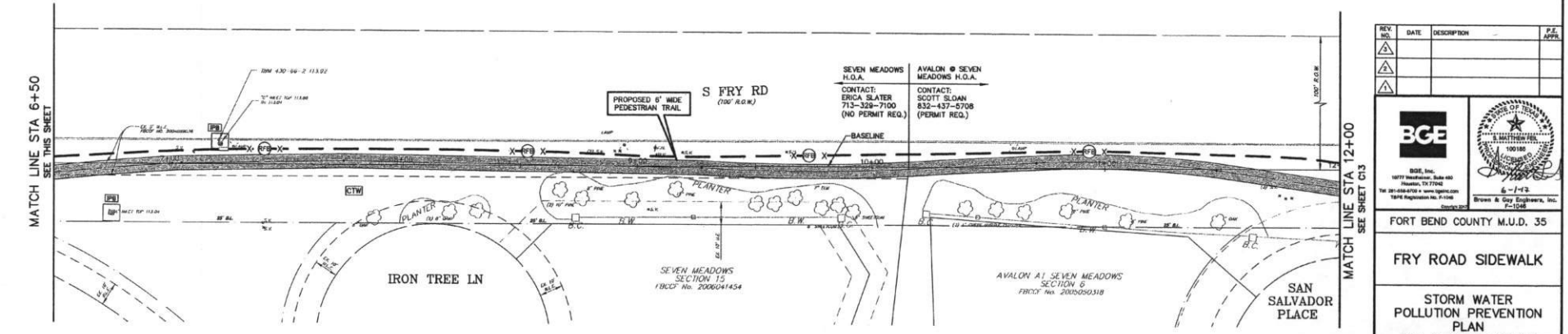
ELEVATION: 111.19 FEET NAVD-88, 2002 ADJUSTMENT





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FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: DEVELOPMENT COORDINATOR
DATE: 6/22/17

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
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2			
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Brown & Gay Engineers, Inc.
F-1046

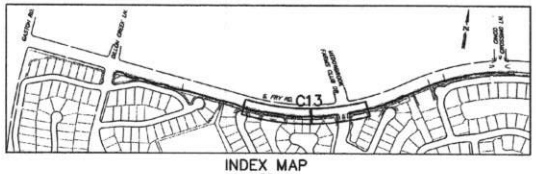
FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

STORM WATER POLLUTION PREVENTION PLAN
STA 0+00 TO 12+00

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC.	DESIGNED BY: D.J.A.
SCALE: 1"=20'	DRAWN BY: D.J.A.
DATE: JUNE 2017	SHEET NO C12 OF 18 SHEETS
SURVEY BY: BGE, INC.	CITY DWG NO:
F.B NO.	



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INLET PROTECTION BARRIER — — — — — — — — — — IPB
CONCRETE TRUCK WASH — — — — — — — — — — — CTW
REINFORCED FILTER FABRIC FENCE — — — — — — — — RFB

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FLOOD ZONE:
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0 20 40 80

N

BENCHMARKS:

NFBWA CP#26
5/8-INCH IRON ROD WITH A NFBWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD
ELEVATION: 116.33 FEET NAVD-88, 2002 ADJUSTMENT
(VERTICAL NOTE: THIS SURVEY IS CONSTRAINED TO THE NGS PUBLISHED ELEVATION FOR THE NORTHEAST 2250 CORS ARP ADJUSTED BY NGS IN 2002 AND PUBLISHED AS PID:AJ8905, EPOCH DATE 2002. THE ELEVATION SHOWN FOR THE CONTROL POINT EQUALS THE ELLIPSOID HEIGHT MINUS THE GEOID HEIGHT (GEOID03) MINUS A CONSTANT OF 0.13 FEET.)

TBM 430-66-1
BOX CUT ON THE FIRST "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD
ELEVATION: 113.73 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-2
BOX CUT ON THE SECOND "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD
ELEVATION: 113.84 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-3
BOX CUT ON THE FOURTH "BB" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD
ELEVATION: 112.81 FEET NAVD-88, 2002 ADJUSTMENT

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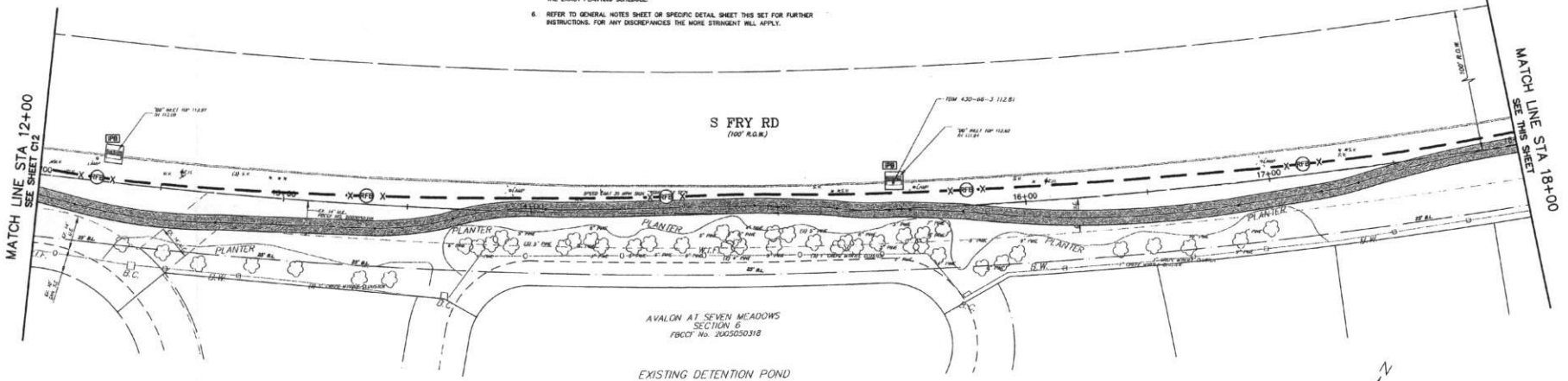
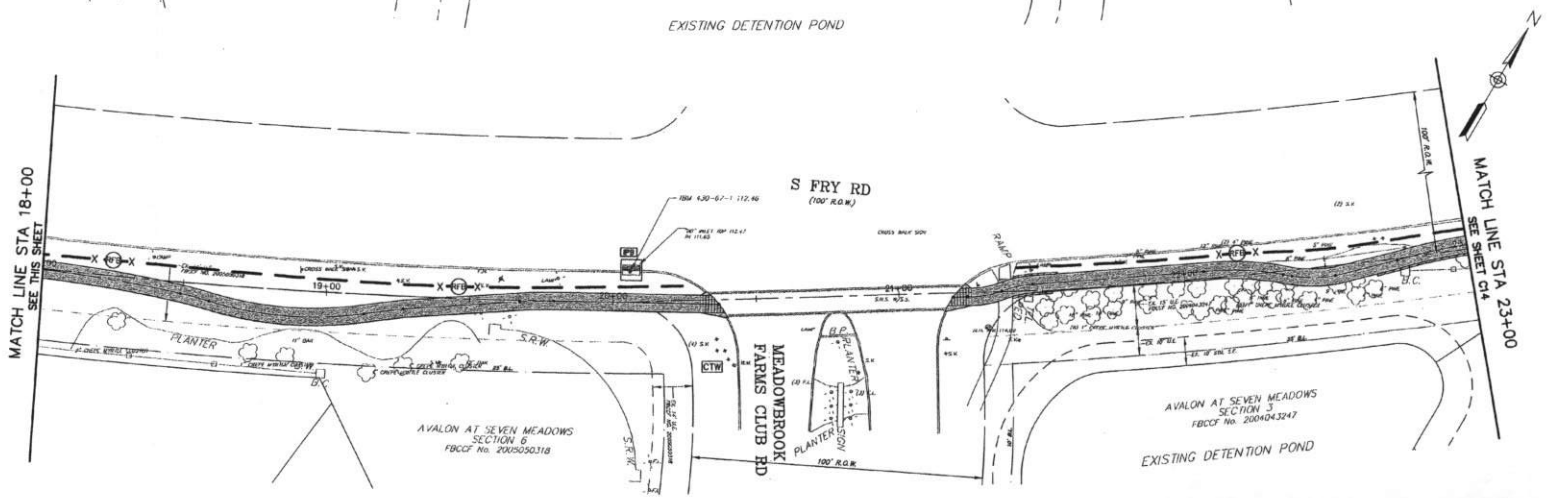
BOX CUT ON THE FIRST "BB" INLET EAST OF CHICO CROSSING BOULEVARD ON THE SOUTH SIDE OF FRY ROAD
ELEVATION: 111.19 FEET NAVD-88, 2002 ADJUSTMENT





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APPROVED: _____ DEVELOPMENT COORDINATOR
DATE: 6/22/17

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3			
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1			

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PROFESSIONAL ENGINEER
6-1-17
Brown & Gay Engineers, Inc.
F-1046

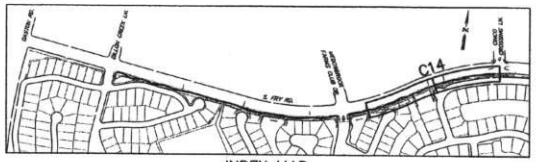
FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

STORM WATER POLLUTION PREVENTION PLAN
STA 12+00 TO 23+00

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC.
SCALE: 1"=50'
DATE: JUNE 2017
SURVEY BY: BGE, INC.
F & SD:
DESIGNED BY: D.A.A.
DRAWN BY: D.A.A.
SHEET NO. C13 OF 18 SHEETS
CITY DWG NO:



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N.T.S.

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INLET PROTECTION BARRIER	IPB
CONCRETE TRUCK WASH	CTW
FILTER FABRIC FENCE	FF

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0 20 40 80

N

BENCHMARKS:

NFBWA CP#28

5/8-INCH IRON ROD WITH A NFBWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD

ELEVATION: 116.33 FEET NAVD-88, 2002 ADJUSTMENT

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TBM 430-66-1

BOX CUT ON THE FIRST "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.73 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-2

BOX CUT ON THE SECOND "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.94 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-3

BOX CUT ON THE FOURTH "BB" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.81 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-1

BOX CUT ON THE FIRST "BB" INLET WEST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.48 FEET NAVD-88, 2002 ADJUSTMENT

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BOX CUT ON THE FIRST "BB" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.78 FEET NAVD-88, 2002 ADJUSTMENT

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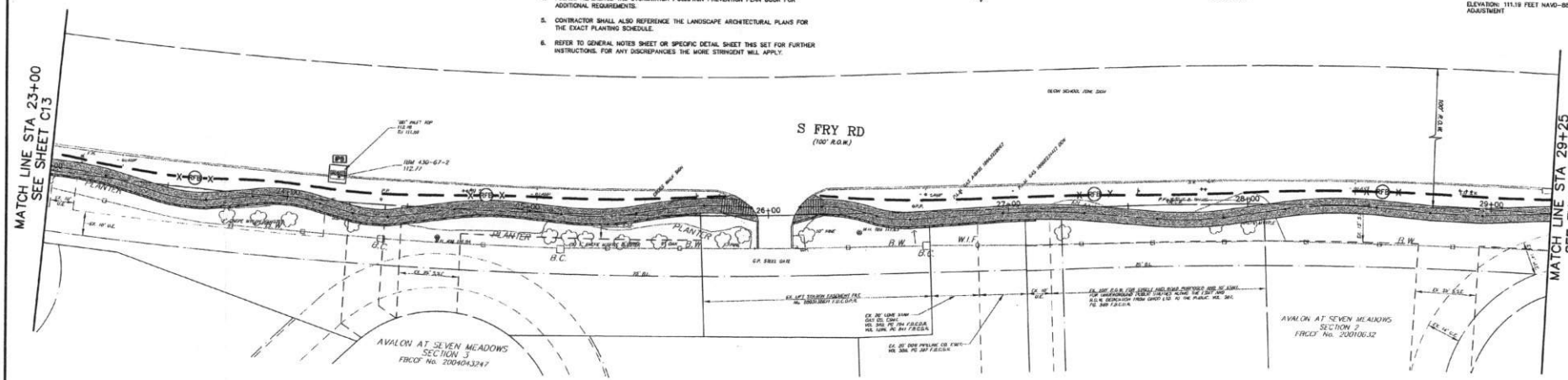

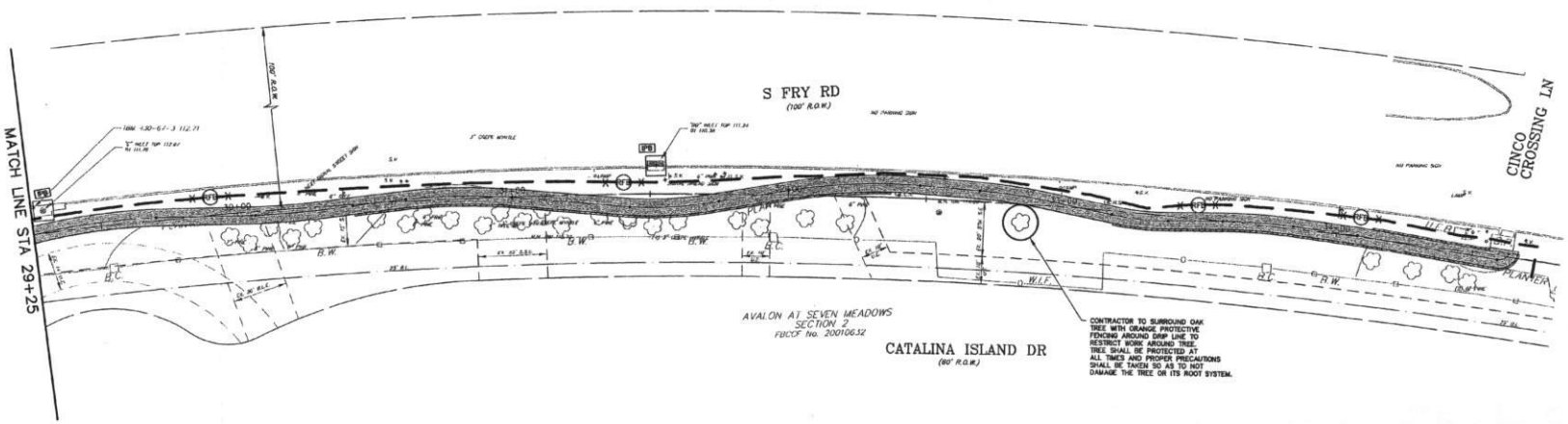

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DEVELOPMENT COORDINATOR
DATE: 6/22/18

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F-1046

FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

STORM WATER POLLUTION PREVENTION PLAN
STA 23+00 TO END

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC.	DESIGNED BY: D.J.A.
SCALE: 1"=20'	DRAWN BY: D.J.A.
DATE: JUNE 2017	SHEET #C14 OF 18 SHEETS
SURVEY BY: BGE, INC.	CITY DWG NO:
F.B. NO.	

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BENCHMARKS:

NFBWA CP#26 — 5/8-INCH IRON ROD WITH A NFBWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD

ELEVATION: 116.33 FEET NAVD-88, 2002 ADJUSTMENT

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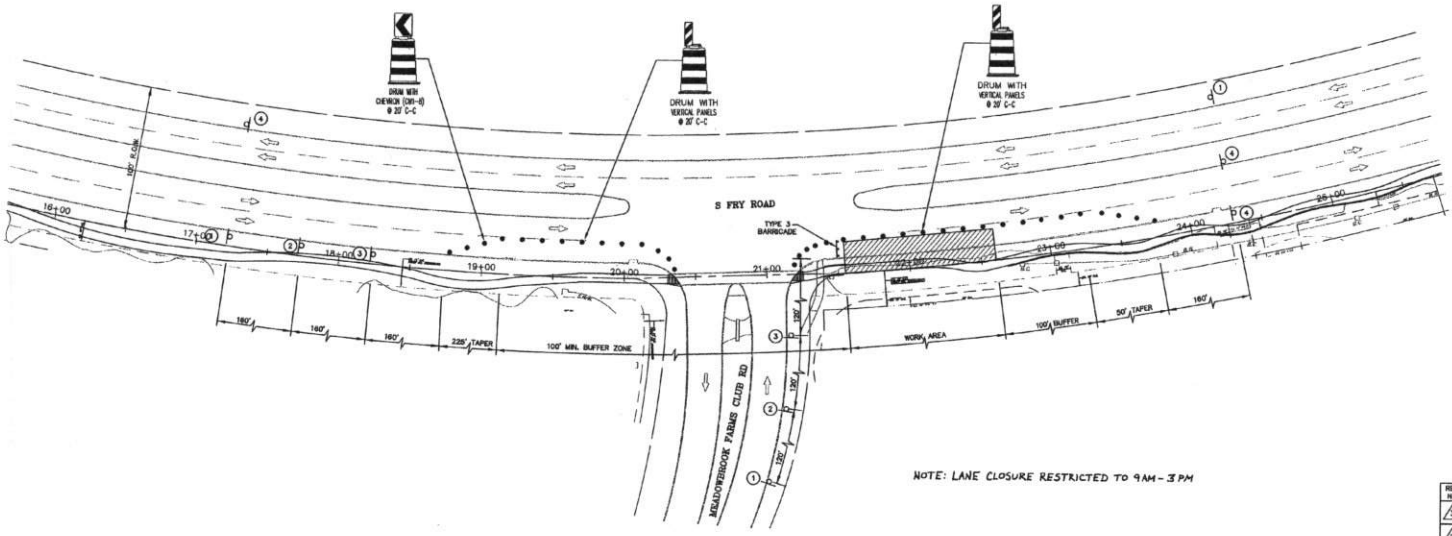

NOTE: LANE CLOSURE RESTRICTED TO 9AM - 3PM

TYPICAL TRANSITION LENGTHS AND SUGGESTED MAXIMUM SPACING OF DEVICES

POSTED SPEED	FORMULA	MINIMUM DESIRABLE TAPER LENGTHS** 10' OFFSET	11' OFFSET	12' OFFSET	SUGGESTED MAXIMUM SPACING OF DEVICES ON A TAPER	ON A TANGENT
30	L=WS² / 60	150'	165'	180'	30'	60'-75'
35		205'	225'	245'	35'	70'-90'
40		265'	295'	320'	40'	80'-100'
45	L=WS	450'	495'	540'	45'	90'-110'
50		500'	550'	600'	50'	100'-125'
55		550'	605'	660'	55'	110'-140'
60		600'	660'	720'	60'	120'-150'

* 85th PERCENTILE SPEED MAY BE USED ON ROADS WHERE TRAFFIC SPEEDS NORMALLY EXCEED THE POSTED SPEED LIMIT.

** TAPER LENGTHS HAVE BEEN ROUNDED OFF.

LONGITUDINAL BUFFER SPACING

Posted Speed or 85% Speed (MPH)	L Min. Distance (feet)
25	40
30	80
35	80
40	120
45	155
50	195
55	295

POSTED SPEED (MPH)	"X" SPEED SPACING FEET
30 OR LESS	120
35	160
40	240
45	320

POSTED SPEED IS 35 M.P.H.

ROAD WORK AHEAD — CW21-4D 48"X48" ①

RIGHT LANE CLOSED / AHEAD — CW20-5 48"X48" ②

CW4-2R 48"X48" ③

END ROAD WORK — G20-2a 48"X24" ④

LEGEND

- WORK AREA
- FLAGGER
- TUBULAR MARKERS OR TRAFFIC CONES
- SIGN AND POST
- DIRECTION OF TRAFFIC
- TYPE 3 BARRICADE, MOVABLE RIGID
- FLASHING ARROW PANEL

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Brown & Gay Engineers, Inc. F-1046

FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

TRAFFIC CONTROL PLAN
STA. 17+00 TO 24+50

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BENCHMARKS:

NFBWA CP#26 — 5/8-INCH IRON ROD WITH A NFBWA BRONZE DISK LOCATED ON THE EAST CENTERLINE MEDIAN OF THE INTERSECTION OF GASTON ROAD AND FRY ROAD

ELEVATION: 116.33 FEET NAVD-88, 2002 ADJUSTMENT

(VERTICAL NOTE: THIS SURVEY IS CONSTRAINED TO THE NGS PUBLISHED ELEVATION FOR THE NORTHEAST 2250 CORS ARP ADJUSTED BY NGS IN 2002 AND PUBLISHED AS PDAUB503, EPOCH DATE 2002. THE ELEVATION SHOWN FOR THE CONTROL POINT EQUALS THE ELLIPSOID HEIGHT MINUS THE GEOID HEIGHT (GEOID03) MINUS A CONSTANT OF 0.13 FEET.)

TBM 430-66-1 — BOX CUT ON THE FIRST "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.73 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-2 — BOX CUT ON THE SECOND "C" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 113.94 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-66-3 — BOX CUT ON THE FOURTH "BB" INLET EAST OF DILLON CREEK LANE ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.81 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-1 — BOX CUT ON THE FIRST "BB" INLET WEST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.48 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-2 — BOX CUT ON THE FIRST "BB" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

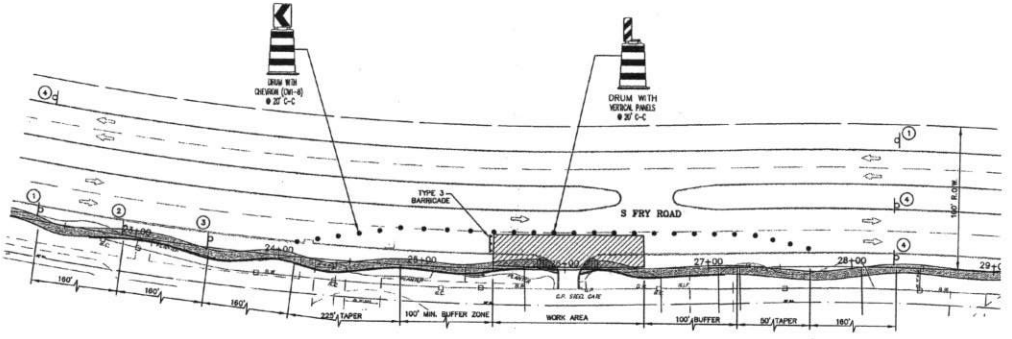
ELEVATION: 112.78 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-67-3 — BOX CUT ON THE SECOND "C" INLET EAST OF MEADOWBROOK FARM ROAD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 112.72 FEET NAVD-88, 2002 ADJUSTMENT

TBM 430-68-1 — BOX CUT ON THE FIRST "BB" INLET EAST OF CINCO CROSSING BOULEVARD ON THE SOUTH SIDE OF FRY ROAD

ELEVATION: 111.19 FEET NAVD-88, 2002 ADJUSTMENT



NOTE: LANE CLOSURE RESTRICTED TO 9AM - 3PM

TYPICAL TRANSITION LENGTHS
AND
SUGGESTED MAXIMUM SPACING OF DEVICES

		MINIMUM DESIRABLE TAPER LENGTHS**			SUGGESTED MAXIMUM SPACING OF DEVICES	
		10'	11'	12'	ON A	ON A
POSTED SPEED*	FORMULA		OFFSET		TAPER	TANGENT
30	L=WS²/60	150'	165'	180'	30'	60' -75'
35		205'	225'	245'	35'	70' -90'
40		265'	295'	320'	40'	80' -100'
45	L=WS	450'	495'	540'	45'	90' -110'
50		500'	550'	600'	50'	100' -125'
55		550'	605'	660'	55'	110' -140'
60		600'	660'	720'	60'	120' -150'

* 85th PERCENTILE SPEED MAY BE USED ON ROADS WHERE TRAFFIC SPEEDS NORMALLY EXCEED THE POSTED SPEED LIMIT.

** TAPER LENGTHS HAVE BEEN ROUNDED OFF.

LONGITUDINAL BUFFER SPACING

Posted Speed or 85th Speed (MPH)	L Min. Distance (feet)
25	40
30	80
35	90
40	120
45	155
50	195
55	295

POSTED SPEED (MPH)	"X" SPEED SPACING FEET
30 OR LESS	120
35	160
40	240
45	320

POSTED SPEED IS 35 M.P.H.

CW21-4D
48"X48"
①

CW20-5
48"X48"
②

CW4-2R
48"X48"
③

END
ROAD WORK
G20-2a
48"X24"
④

LEGEND

- WORK AREA
- FLAGGER
- TUBULAR MARKERS OR TRAFFIC CONES
- SIGN AND POST
- DIRECTION OF TRAFFIC
- TYPE 3 BARRICADE, MOVABLE RIGID
- FLASHING ARROW PANEL

ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG!!!
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1-800-545-6005

FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: DEVELOPMENT COORDINATOR
DATE: 6/22/17

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
3			
2			
1			

BGE, Inc.
10777 Westheimer, Suite 400
Houston, TX 77042
Tel: 281-558-8700 • www.bgeinc.com
TBPE Registration No. F-1046
Designers and

STATE OF TEXAS
S. MATTHEW FEIL
100188
LICENSED
PROFESSIONAL ENGINEER
6-7-17
Brown & Gay Engineers, Inc.
F-1046

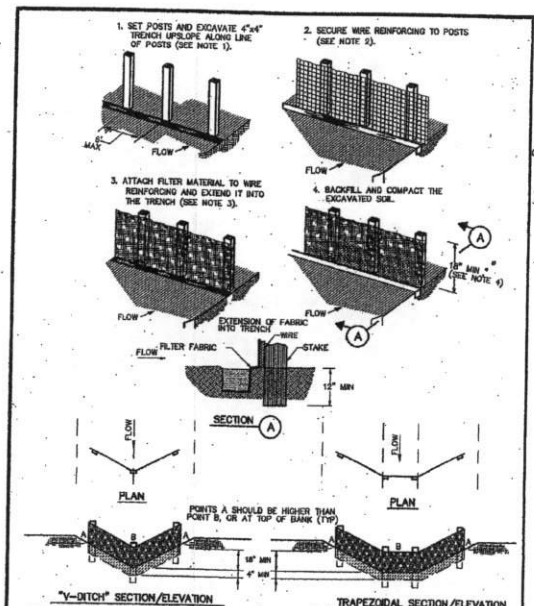
FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

TRAFFIC CONTROL PLAN
STA. 22+00 TO 28+50

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC. — DESIGNED BY: D.J.A.
SCALE: 1"=40' — DRAWN BY: D.J.A.
DATE: JUNE 2017 — SHEET NO. C16 OF 18 SHEETS
SURVEY BY: BGE, INC. — CITY DWG NO:
F.B. NO.

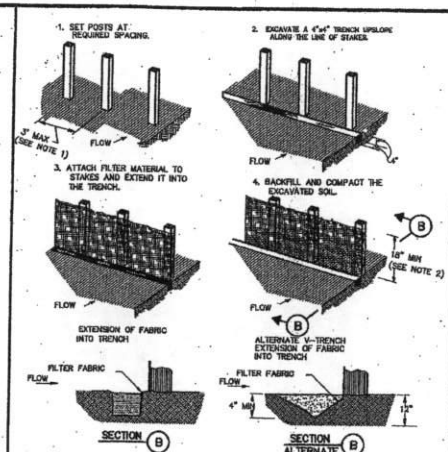


CONSTRUCTION NOTES:

1. SET 2 INCH BY 2 INCH WOODEN STAKES SPACED A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
2. WOVEN WIRE REINFORCING TO BE FASTENED SECURELY TO BARRIER POSTS WITH STAPLES.
3. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE REINFORCING, WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDSECTION.
4. MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
6. SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

X—(RFB)—X
SYMBOL

REINFORCED FILTER FABRIC BARRIER

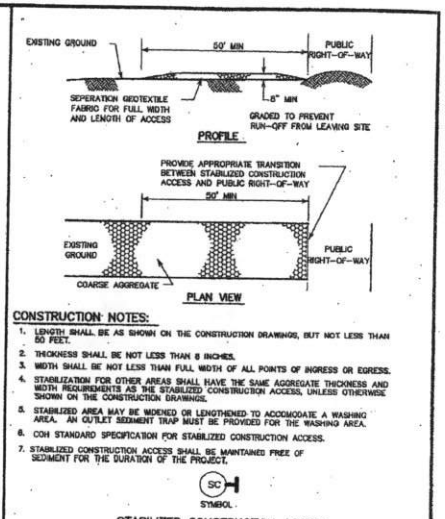


X—(FF)—X
SYMBOL

CONSTRUCTION NOTES:

1. 2 INCH THICK BY 2 INCH WOODEN STAKES TO BE SET AT MAX SPACING OF 3 FEET AND EMBEDDED A MIN OF 8 INCHES. IF PREASSEMBLED BARRIER WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAX.
2. ATTACH FILTER FABRIC TO WOODEN STAKES. FILTER FABRIC BARRIER SHALL HAVE A MIN HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
4. SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

FILTER FABRIC BARRIER

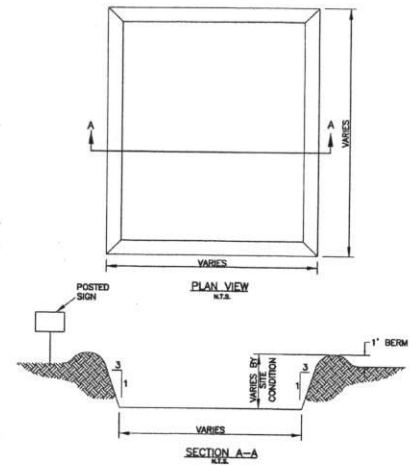


CONSTRUCTION NOTES:

1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
3. WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION ACCESS, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE WASHING AREA.
6. COH STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION ACCESS.
7. STABILIZED CONSTRUCTION ACCESS SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.

SC
SYMBOL

STABILIZED CONSTRUCTION ACCESS

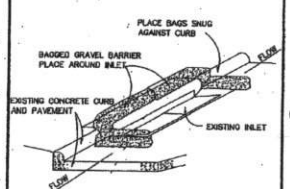


GENERAL NOTES:

1. POST A SIGN READING "CONCRETE WASHOUT PIT" NEXT TO THE PIT.
2. VERBALLY INSTRUCT THE CONCRETE TRUCK DRIVERS WHERE THE PIT IS AND TO WASH OUT THEIR TRUCKS IN THE PIT AND NOWHERE ELSE.
3. UPON THE CONCRETE SETTING UP (CURING, DRYING OUT), THE CONCRETE WASTE SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF PROPERLY BY THE CONTRACTOR. AFTER REMOVAL OF THE CONCRETE WASTE, THE WASH OUT PIT SHALL BE FILLED WITH CLEAN FILL MATERIAL AND COMPACTED TO IN-SITU CONDITIONS, OR AS DIRECTED BY THE PROJECT SPECIFICATIONS.
4. CONCRETE WASHOUT PITS SHALL NOT BE LOCATED DIRECTLY ADJACENT TO, NOR AT ANY TIME DRAIN INTO THE STORM SEWER SYSTEM OR ANY OTHER SWALE, DITCH, OR WATERWAY.
5. CONSTRUCT ENTRY ROAD AND BOTTOM OF WASHOUT AREA TO SUPPORT EXPECTED LOADINGS FROM TRUCKS EQUIPMENT.

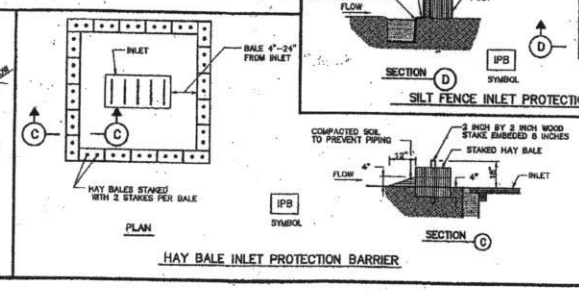
CONCRETE TRUCK WASHOUT AREA

CTW
SYMBOL

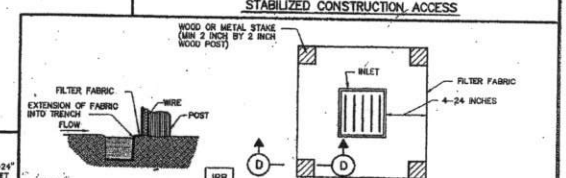


INLET PROTECTION BARRIER

(FOR STAGE II INLETS)
BAGGED GRAVEL BARRIER



HAY BALE INLET PROTECTION BARRIER



SILT FENCE INLET PROTECTION BARRIER

CONSTRUCTION NOTE:

1. SEE CONSTRUCTION NOTES FOR RFB.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STORM WATER POLLUTION PREVENTION PLAN DETAILS

(NOT TO SCALE)

APPROVED: CITY ENGINEER | DIRECTOR OF PUBLIC WORKS AND ENGINEERING

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

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
3			
2			
1			

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PROFESSIONAL ENGINEER

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Brown & Gay Engineers, Inc.
F-1046

FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

STORM WATER POLLUTION PREVENTION PLAN DETAILS

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC. | DESIGNED BY: D.J.A.
SCALE: N.T.S. | DRAWN BY: D.J.A.
DATE: JUNE 2017 | SHEET NO. C17 OF 18 SHEETS
SURVEY BY: BGE, INC. | CITY DWG NO:
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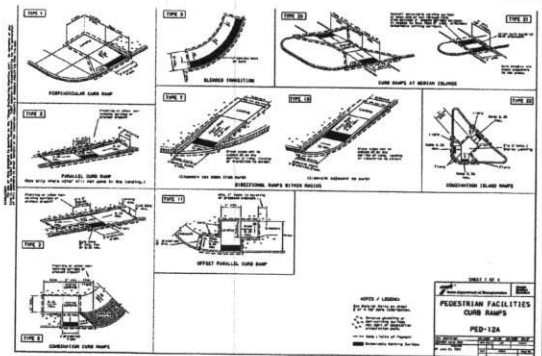
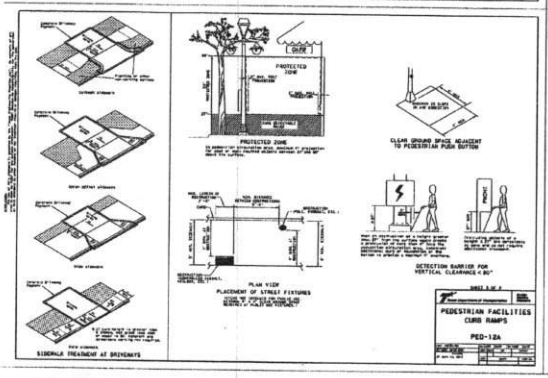
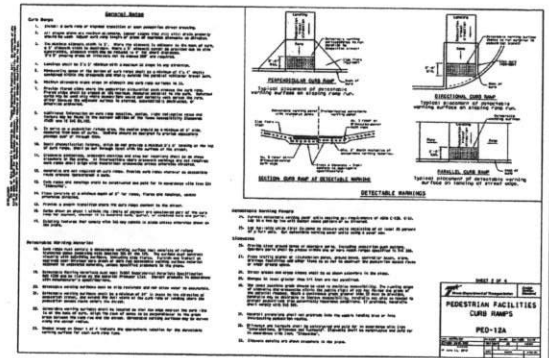
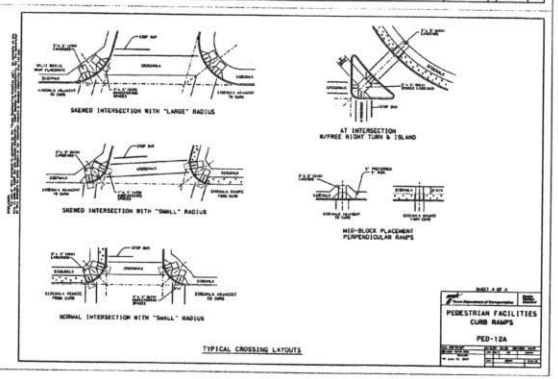
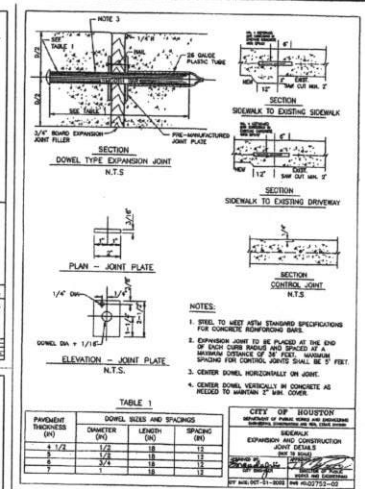
FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: DEVELOPMENT COORDINATOR
DATE: 6/22/17

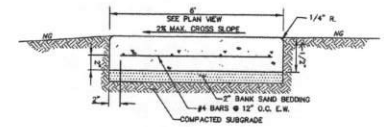




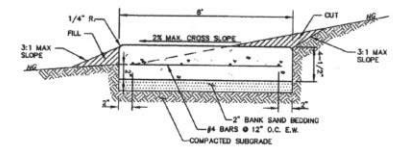




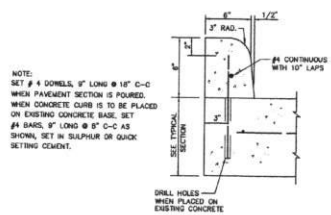




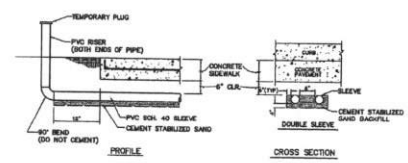
TYPICAL TRAIL SECTION
N.T.S.



TYPICAL TRAIL SECTION
N.T.S.



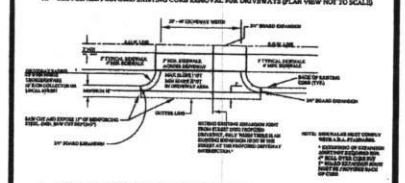
DOWELED 6" CONCRETE CURB



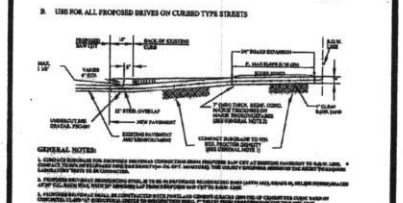
IRRIGATION SLEEVES
N.T.S.

WHEN A COMMERCIAL SIDEWALK, DRIVEWAY, CURB OR GUTTER IS CONSTRUCTED, RECONSTRUCTED, REPAIRED OR BROKEN ON COUNTY RIGHT-OF-WAY. FOR USE WITH CONCRETE OR ASPHALT CURB TYPE STREETS, USE SECTIONS APPLICABLE.

A. USE FOR ALL PROPOSED EXISTING CURB REMOVAL FOR DRIVEWAYS (PLAN VIEW NOT TO SCALE)



B. USE FOR ALL PROPOSED DRIVES ON CURBED TYPE STREETS



GENERAL NOTES:

SIDEWALKS & DRIVEWAYS ON CURB TYPE STREETS COMMERCIAL AREA	DRAWN BY: L. BRDECKA DATE DRAWN: 2-1-94	REVISED BY: J. HEYWOOD DATE REVISED: 4-5-95
	APPROVED BY: L. HOOD DATE: 2-1-94	DRAWING NO. FBC-025A

FORT BEND COUNTY ENGINEERING DEPARTMENT

* SUBGRADE SOILS SHALL BE SCARIFIED TO A DEPTH OF 6" AND MIXED WITH AT LEAST 8% HYDRATED LIME (BY DRY UNIT WEIGHT) IN CONFORMANCE WITH FORT BEND COUNTY SPECIFICATIONS. COORDINATE EXACT RECOMMENDATION WITH GEOTECH PRIOR TO STABILIZATION MIXING TO CONFIRM APPLICATION RATE AND CURING PERIOD.

GENERAL NOTES FOR SIDEWALKS AND DRIVEWAYS

1. SAW CUT EXISTING CURB AT EACH END AND KNOCK OUT CURB FROM BEGINNING TO END OF PROPOSED DRIVEWAY.
2. SAW CUT EXISTING PAVEMENT A MINIMUM OF 18" INCHES AWAY FROM BACK OF CURB (GUTTER LINE) AND BREAK OUT TO EXPOSE EXISTING REINFORCEMENT STEEL.
3. COMPACT SUBGRADE FOR PROPOSED DRIVEWAY CONNECTION FROM PROPOSED SAW CUT AT EXISTING PAVEMENT TO RIGHT-OF-WAY LINE, COMPACT TO 95% OF STANDARD PROCTER DENSITY (+/- 2% OPT. MOISTURE). THE COUNTY ENGINEER RESERVES THE RIGHT TO REQUIRE LABORATORY TESTS TO BE CONDUCTED.
4. PLACE AND COMPACT 4" CLEAN BANK SAND.
5. MAINTAIN GUTTER LINE WITH FACE OF EXISTING CURB.
6. PROPOSED DRIVEWAY REINFORCING STEEL IS TO BE TIED TO EXISTING ROADWAY REINFORCING STEEL WITH A MINIMUM LAP OF 12 INCHES.
7. PROPOSED DRIVEWAY REINFORCING STEEL IS TO BE #4 DEFORMED RE-INFORCING BARS (ASTM A615 GRADE 60, UNLESS NOTED) SPACED AT 24 INCHES C.C., EACH WAY, WITH 12 INCHES MINIMUM LAP (6" x 6" W6 x W6 AS ALTERNATE) FROM PROPOSED SAW CUT TO RIGHT-OF-WAY LINE.
8. PROPOSED DRIVEWAY, CURB, GUTTER LINE, AND GRADE SHALL MATCH EXISTING STREET.
9. PROPOSED DRIVEWAY SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE, CLASS "A" STRUCTURAL (REFER TO SPECIFICATION 03301), 7 INCHES THICK, FROM PROPOSED SAW CUT TO RIGHT-OF-WAY LINE (PROPERTY LINE).
10. PROPOSED SIDEWALK SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE, CLASS "A" STRUCTURAL (REFER TO SPECIFICATION 03301), 4 INCHES THICK AND 4 FEET MINIMUM WIDTH. SEE DRAWING NO. FBC 24A FOR ADDITIONAL INFORMATION AND DETAILS.

CONSTRUCTION NOTES FOR SIDEWALKS & DRIVEWAYS WITH CURB TYPE STREETS COMMERCIAL AREA	DRAWN BY: L. BRDECKA DATE DRAWN: 2-1-94	REVISED BY: L. BRDECKA DATE REVISED: 3-10-95
	APPROVED BY: L. HOOD DATE: 2-1-94	DRAWING NO. FBC-025B

FORT BEND COUNTY ENGINEERING DEPARTMENT

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
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2			
1			

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F-1046

FORT BEND COUNTY M.U.D. 35

FRY ROAD SIDEWALK

GENERAL DETAILS

JOB NUMBER: X:\DISTRICTS\FBCMUD035\2131-01

SUBMITTED: BGE, INC.	DESIGNED BY: D.J.A.
SCALE: N.T.S.	DRAWN BY: D.J.A.
DATE: JUNE 2017	SHEET NO. C18 OF 18 SHEETS
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