



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

18E
**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: 2016-10850

Applicant: Fort Bend Excavation, Inc.

Job Location Site: Flewellen Creek, Fulshear, TX 77441

Bond No. Date of Bond: 2/4/2008 Amount: \$50,000.00

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 3rd day of January, 2017, Upon Motion of Commissioner Mayers, seconded by Commissioner Patterson, 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

Presented to Commissioners Court and approved.

By: Charles O. Ay
for County Engineer

Date Recorded 1-10-17 Comm. Court No. 18E

By: Mark Vagle
Drainage District Engineer/Manager

Clerk of Commissioners Court

By: Ronda Wallis
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: 2016-10850

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: [REDACTED] | Amount: \$50,000.00 |
| ☐ | Performance bond submitted. | Bond No: _____ | Amount: _____ |
| ☐ | Cashier's Check | Check No: _____ | Amount: _____ |

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Mark Vaden
Drainage District Approval

11/3/17
Date

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

Charley O. Al

Permit Administrator

12/22/14

Date

RECEIVED
DEC 30 2016
FBC DRAINAGE DIST.

FORT BEND COUNTY M.U.D. 169 CITY OF FULSHEAR, TEXAS CONSTRUCTION PLANS OF **DETENTION RESERVOIR** **NORTH FULSHEAR BEND DRIVE F2C-5**

SEPTEMBER 2016

GENERAL CONSTRUCTION NOTES

1. THESE PLANS WERE PREPARED TO MEET OR EXCEED TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, FORT BEND COUNTY AND CITY OF FULSHEAR RULES AND REGULATIONS AS CURRENTLY AMENDED.
2. WATER LINES, WASTEWATER COLLECTION SYSTEMS, AND DRAINAGE SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF FULSHEAR SUBDIVISION ORDINANCE NO. 04-012, UNLESS OTHERWISE NOTED AND APPROVED ON THESE PLANS. THE DESIGN IS CONSISTENT WITH THE MINIMUM STANDARDS ESTABLISHED IN THE SUBDIVISION ORDINANCE NO. 04-012. CONTRACTOR SHALL USE CURRENT EDITIONS OF DESIGN MANUAL AND STANDARD CONSTRUCTION SPECIFICATIONS ISSUED BY THE CITY OF FULSHEAR. WHERE THE CITY OF FULSHEAR SUBDIVISION ORDINANCE AND/OR FORT BEND COUNTY REGULATIONS CONFLICT WITH THE CITY OF HOUSTON STANDARD CONSTRUCTION SPECIFICATIONS, THE CITY OF FULSHEAR AND/OR FORT BEND COUNTY REGULATIONS SHALL BE USED. FOR ITEMS NOT ADDRESSED WITHIN THE CITY OF FULSHEAR SUBDIVISION ORDINANCES AND/OR FORT BEND COUNTY REGULATIONS, THE CITY OF HOUSTON STANDARD CONSTRUCTION SPECIFICATIONS SHALL BE USED.
3. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO THE EXISTING PUBLIC UTILITY LINES OR PRIVATE UTILITY LINES, INCLUDING BUT NOT LIMITED TO WATER LINES, WASTEWATER COLLECTION SYSTEMS AND STORM SEWERS, DURING CONSTRUCTION. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE CITY OF FULSHEAR SUBDIVISION ORDINANCE NO. 04-012 WITH NO COST TO THE PUBLIC (AND ADDITIONAL PAY TO CONTRACTOR).
4. UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE PLANS, UTILITIES WITHIN EASEMENTS SHALL BE LOCATED IN ACCORDANCE WITH STANDARDS OUTLINED BY THE MOST CURRENT UTILITY COORDINATING COMMITTEE DRAWINGS.
5. AUTHORIZATION NOTICE ISSUED BY FORT BEND COUNTY PUBLIC INFRASTRUCTURE ENGINEERING DEPARTMENT PERMIT OFFICE REQUIRED PRIOR TO CONSTRUCTION OF UTILITIES OR LEFT TURN LANES WITHIN FORT BEND COUNTY RIGHT-OF-WAY. CONTACT FORT BEND COUNTY PERMIT OFFICE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES AND OTHER FACILITIES.
7. 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.
8. 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 FORT BEND COUNTY DRAINAGE DISTRICT, AND THE CITY OF FULSHEAR ALL IN COMPLIANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS.
9. CONTRACTOR TO OBTAIN ANY CONSTRUCTION PERMITS REQUIRED BY FORT BEND COUNTY AND TEXAS FOR FLOOD PLAIN MANAGEMENT PRIOR TO STARTING CONSTRUCTION.
10. 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.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL PIPELINE COMPANIES WITHIN THE VICINITY OF CONSTRUCTION ACTIVITIES PRIOR TO THE COMMENCEMENT OF WORK.
12. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ORANGE PROTECTIVE FENCING IN ALL AREAS OF WORK PER THESE CONSTRUCTION PLANS.

WILLIE BACKFILL

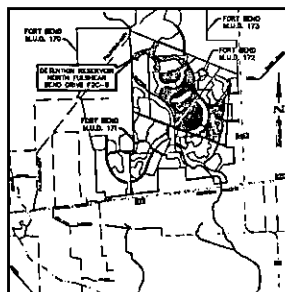
1. BACKFILL FOR UTILITIES SHALL BE IN ACCORDANCE WITH CITY OF FULSHEAR SUBDIVISION ORDINANCE NO. 04-012 DATED 10/26/05 AND PER DETAILS INCLUDED IN THESE PLANS.
2. BACKFILL COMPACTION TO BE AT A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AND AT A MOISTURE CONTENT RECOMMENDED FROM GEOTECHNICAL INVESTIGATION.

COMPACTION OF SITE FILL

1. ALL AREAS TO BE FILLED ARE TO BE FREE OF VEGETATION, DEBRIS, PONDING WATER, LOOSE SOILS, MUD & MUCK, (STRIP 3" MIN).
2. THE PLACEMENT OF ANY FILL OR THE DISPOSAL OF ANY EXCESS MATERIAL ON ANY PORTION OF THIS PROJECT SHALL BE MADE IN A "LOOSE LIFT", UNIFORMLY SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
3. DENSITY TESTS SHOULD BE DONE WITH A FREQUENCY OF A MINIMUM OF ONE TEST FOR EVERY 100CY OF MATERIAL AND A MINIMUM OF THREE DENSITY TESTS FOR EACH 100 CY. IN ALL FILL PLACEMENT AREAS. THE REQUIRED NUMBER OF TESTS WILL INCREASE WHEN JURISDICTION DETERMINES THAT SOIL TYPES OR MOISTURE CONTENTS ARE NOT UNIFORM OR WHEN COMPACTION EFFORT IS VARIABLE AND NOT CONSIDERED SUFFICIENT TO ACHIEVE UNIFORM DENSITY.

STORM WATER QUALITY PRE-CONSTRUCTION INSPECTION REQUIREMENTS

1. THE PROPERTY OWNER OR THE CONTRACTOR SHALL CONTACT THE FORT BEND COUNTY STORM WATER QUALITY PERMITTING SECTION AT 713-455-3000 FOR A PRE-CONSTRUCTION INSPECTION PRIOR TO COMMENCING ANY GRADING OR CONSTRUCTION ACTIVITIES ON THE SITE.



VICINITY MAP
FORT BEND COUNTY
KEY MAP 1003-17

SHEET INDEX

NO.	DESCRIPTION
1.	COVER SHEET / GENERAL CONSTRUCTION NOTES
2.	OVERALL PROJECT LAYOUT AND STORM WATER POLLUTION PREVENTION PLAN
3.	EXCAVATION LAYOUT DETENTION BASIN (F2C-5) (SHEET 1 OF 2)
4.	EXCAVATION LAYOUT DETENTION BASIN (F2C-5) (SHEET 2 OF 2)
5.	SPOIL DISPOSAL PLAN AREA 1
6.	SPOIL DISPOSAL PLAN AREA 2
7.	SPOIL DISPOSAL PLAN AREA 3
8.	SPOIL DISPOSAL PLAN AREA 4
9.	PLAN AND PROFILE - BASELINE "A" - STORM OUTFALL & BASELINE "B" - STORM OUTFALL
10.	DETENTION SERVICE AREA MAP
11.	STORM SEWER DETAILS, CONSTRUCTION NOTES AND MISCELLANEOUS DETAILS
12.	STORM WATER POLLUTION PREVENTION PLAN DETAILS
13.	JUNCTION BOX DETAIL - AT STA. 1+85.11
14.	CITY OF FULSHEAR SUBDIVISION STANDARD PAVEMENT AND DRAINAGE DETAILS

ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG!!
(713) 223-4667 (In Houston)
(Near Houston: 281-466-7000)
AND 713-223-4667
AT LEAST 48 HOURS IN ADVANCE



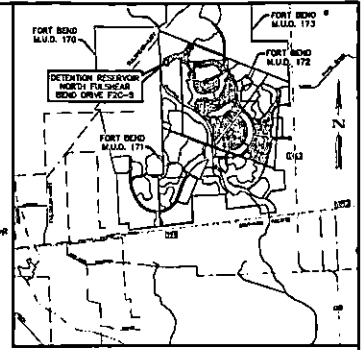
Brown & Gay Engineers, Inc.
10777 Westheimer, Suite 400, Houston, TX 77042
Tel: 281-558-8700 • www.browngay.com
TBPE Registration No. F-1046



**ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG!!!**
(713) 223-6567 (In Houston)
(New Customers: Morning, Outside Houston)
1-800-545-6005
AND 1-800-160-1025
AT LEAST 48 HOURS IN ADVANCE

RECORDINGS
TIN 419-26-1
TIN 422-37-1

BOX CUT AT BACK OF CLUMP ON "D" INLET LOCATED ON
NORTH SIDE OF FULSHEAR DRIVE AT NORTHWEST
CORNER OF INTERSECTION WITH CROSS CREEK ROAD LINE.
ELEVATION 134.83 FEET NAVD-83, 2001 ADJUSTMENT
BOX CUT ON NORTHEAST CORNER OF AN INTERSECTION AT
EAST END OF WEST HIGHWAY 103 OF SUBJECT TRACT
ON NORTHWEST END OF DETENTION POND.
ELEVATION 136.75 FEET NAVD-83, 2001 ADJUSTMENT



VICINITY MAP
N.T.S.
FORT BEND COUNTY
KEY MAP #483-Y

GENERAL NOTES

1. "U.E." INDICATES "UTILITY EASEMENT".
2. "W.E." INDICATES "WATER LINE EASEMENT".
3. "S.W.E." INDICATES "SEWAGE WASTE EASEMENT".
4. "S.W.E." INDICATES "STORM SEWER EASEMENT".
5. "D.E." INDICATES "DRAINAGE EASEMENT".
6. "T.O.P." INDICATES "TEMPORARY DRAINAGE EASEMENT".
7. ALL 14 FOOT UTILITY EASEMENTS SHOWN EXTEND 3 FEET ON EACH
SIDE OF A COMMON LOT LINE UNLESS OTHERWISE INDICATED.
8. ALL 14 FOOT STORM SEWERS ARE 14" UNLESS OTHERWISE INDICATED.

GEOTECHNICAL NOTE:
FOR THE GEOTECHNICAL REPORT, THE CLAY USED FOR THE
LINER SHOULD HAVE A MINIMUM LIQUID LIMIT OF 35, MINIMUM
PLASTICITY INDEX (PI) OF 25, MINIMUM PASSING THE NO. 200
SIEVE OF 75% AND SHOULD CLASSIFY AS A CL OR CH CLAYEY
SOIL. SOME OF THE EXCAVATED SOILS FROM THE POND MAY
BE SUITABLE TO UTILIZE AS CLAY LINER MATERIAL.

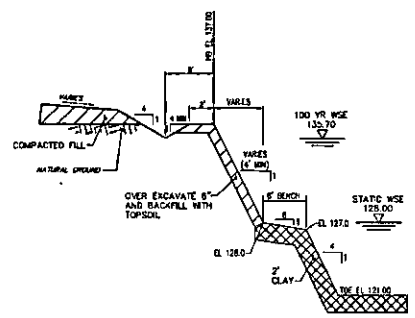
ALL PIPE STEMS, VALVES AND COLLECTION LINES
ENCOUNTERED BY THE CONTRACTOR SHALL BE LEFT
UNDISTURBED AND SHALL BE MARKED BY THE
CONTRACTOR. THE ITEMS WILL BE MOVED AND/OR
RE-LOCATED BY THE OWNER.

NOTICE
FOR LOCATION OF UNDERGROUND
UTILITY LINES, CALL (713) 863-1467
ON TOLL FREE 1-800-455-1545, 48
HOURS BEFORE EXCAVATING.

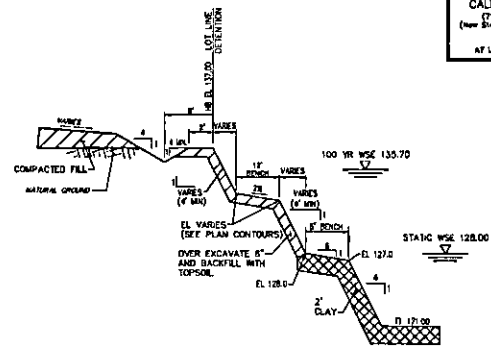
IF DIRECTED BY ENGINEER, CONTRACTOR SHALL
INSTALL LANDLOCK TRM 450 TURP
REINFORCEMENT MAT AROUND PERIMETER OF
DETENTION/AMENITY LAKE AT ELEVATION 127.5
PER MANUFACTURER RECOMMENDATIONS.
CONTRACTOR SHALL HAVE MANUFACTURER'S
REPRESENTATIVE PRESENT DURING INSTALLATION.

- PERMIT NOTES:**
1. CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY
FORT BEND COUNTY, TEXAS PRIOR TO STARTING
CONSTRUCTION OF UTILITIES AND/OR COLLECTORS
WITHIN COUNTY ROAD RIGHT-OF-WAY. THE PERMIT
IS TO BE LAMINATED IN THE OWNER'S NAME.
 2. CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED
BY REGULATION OF FORT BEND COUNTY, TEXAS FOR
FLOOD PLAIN MANAGEMENT PRIOR TO STARTING
CONSTRUCTION.
 3. A PERMIT MUST BE OBTAINED PRIOR TO ANY WORK
WITHIN THE FORT BEND COUNTY DRAINAGE
DISTRICT RIGHT-OF-WAY.
CONTACT THE FORT BEND COUNTY ENGINEERING
DEPARTMENT, (281) 622-7500.

SECTION "C-C"
N.T.S.
(TYPICAL SECTION WITH PLANT BENCH)



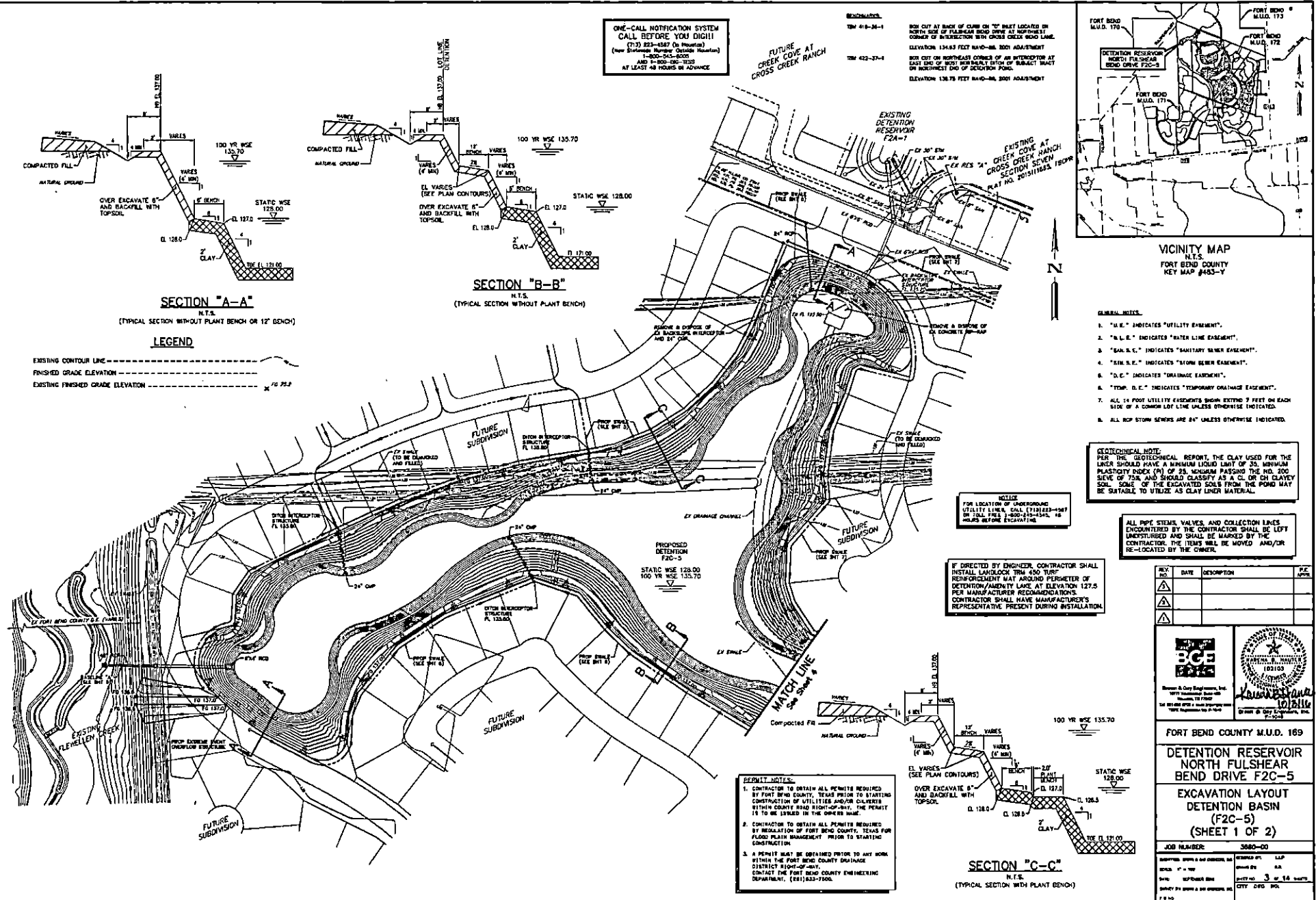
SECTION "A-A"
N.T.S.
(TYPICAL SECTION WITHOUT PLANT BENCH OR 12' BENCH)



SECTION "B-B"
N.T.S.
(TYPICAL SECTION WITHOUT PLANT BENCH)

LEGEND

- EXISTING CONTOUR LINE
- FINISHED GRADE ELEVATION
- EXISTING FINISHED GRADE ELEVATION



REV	DATE	DESCRIPTION	P.E.
1			
2			
3			

Fort Bend County Seal
Seal of Fort Bend County, Texas
1800
100103
101010

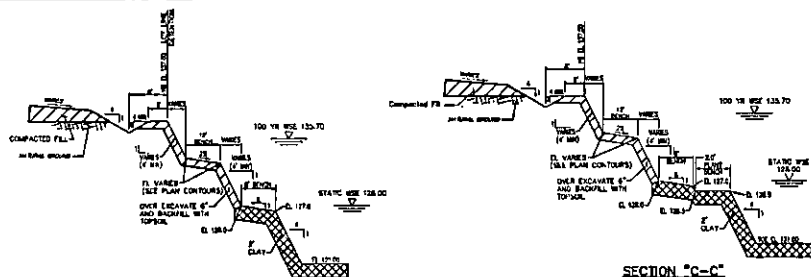
FORT BEND COUNTY M.U.D. 169

**DETENTION RESERVOIR
NORTH FULSHEAR
BEND DRIVE F2C-5**

**EXCAVATION LAYOUT
DETENTION BASIN
(F2C-5)
(SHEET 1 OF 2)**

JOB NUMBER: 3580-00

DESIGNED BY: LJP
DRAWN BY: J.A.
CHECKED BY: J.A.
DATE: 9/27/2010
CITY: DFG, TX



PERMIT NOTES:

1. CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY FORT BEND COUNTY, TEXAS PRIOR TO STARTING CONSTRUCTION OF UTILITIES AND/OR EXCAVATIONS WITHIN COUNTY ROAD RIGHT-OF-WAY. THE PERMIT IS TO BE FILED IN THE COUNTY CLERK'S OFFICE.

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

IF DIRECTED BY ENGINEER, CONTRACTOR SHALL INSTALL LANDLOCK TRM 450 TURF REINFORCEMENT MAT AROUND PERIMETER OF DETENTION/AMENITY LAKE AT ELEVATION 127.5 PER MANUFACTURER RECOMMENDATIONS. CONTRACTOR SHALL HAVE MANUFACTURER'S REPRESENTATIVE PRESENT DURING INSTALLATION.

REMARKS:

TRM 418-38-1

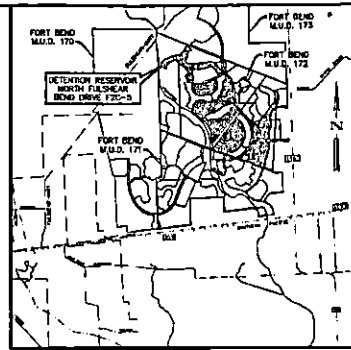
TRM 423-21-1

BOX CUT AT BACK OF CURB ON "C" RAMP LOCATED ON NORTH SIDE OF FULSHEAR BEND DRIVE AT NORTHEAST CORNER OF INTERSECTION WITH CROSS CREEK BEND LANE. ELEVATION: 124.63 FEET NAVD-83, 80% ADJUSTMENT.

BOX CUT ON NORTHEAST CORNER OF AN INTERSECTION AT EAST END OF MOST NORTHEAST SECTION OF SUBJECT TRACT ON NORTHEAST END OF DETENTION POOL. ELEVATION: 126.75 FEET NAVD-83, 80% ADJUSTMENT.

NOTICE

FOR LOCATION OF UNDERGROUND UTILITY LINES, CALL (713) 223-4347 OR TOLL FREE 1-800-815-5475, 48 HOURS BEFORE EXCAVATING.



VICINITY MAP
N.T.S.
FORT BEND COUNTY
KEY MAP #403-Y

GENERAL NOTES:

1. "U.E." INDICATES "UTILITY EASEMENT".
2. "W.L.E." INDICATES "WATER LINE EASEMENT".
3. "S.W.L.E." INDICATES "SEWAGE LINE EASEMENT".
4. "S.B.L.E." INDICATES "STORM SEWER EASEMENT".
5. "D.E." INDICATES "DRAINAGE EASEMENT".
6. "T.D.E." INDICATES "TEMPORARY DRAINAGE EASEMENT".
7. ALL 16 FOOT UTILITY EASEMENTS SHOW EXTEND 7 FEET ON EACH SIDE OF A COMMON LOT LINE UNLESS OTHERWISE INDICATED.
8. ALL RCP STORM SEWERS ARE 24" UNLESS OTHERWISE INDICATED.

ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG!!
(713) 223-4347 (In Houston)
(New Statewide Number - Outside Houston)
1-800-845-5003
AND 1-800-262-1238
AT LEAST 48 HOURS IN ADVANCE

REV.	DATE	DESCRIPTION	P.L.
1			
2			
3			



FORT BEND COUNTY M.U.D. 169

DETENTION RESERVOIR
NORTH FULSHEAR
BEND DRIVE F2C-5

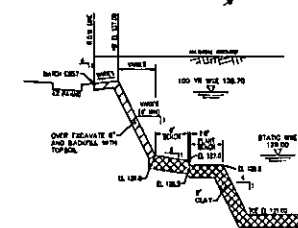
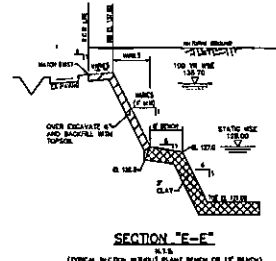
EXCAVATION LAYOUT
DETENTION BASIN
(F2C-5)
(SHEET 2 OF 2)

JOB NUMBER:	3860-00
DATE:	11/11/2010
BY:	DA
CHECKED BY:	DA
DATE:	11/11/2010
CHECKED BY:	DA

CALLED 22.62 ACRES
COR. LOAN SUBSIDIARY I, L.P.
FBCF NO. 2014004550

EXISTING
DETENTION/AMENITY LAKE
F2C-1

EXISTING
CREEK COW AT
CROSS CREEK RANCH
SECTION EIGHT
PLAN NO. 2015099707, FBCF#



ALL PIPE STOPS, VALVES, AND COLLECTION LINES ENCOUNTERED BY THE CONTRACTOR SHALL BE LEFT UNDISTURBED AND SHALL BE MARKED BY THE CONTRACTOR. THE STOPS WILL BE MOVED AND/OR RE-LOCATED BY THE OWNER.

GEOTECHNICAL NOTE:
FOR THE GEOTECHNICAL REPORT, THE CLAY USED FOR THE LINER SHOULD HAVE A MINIMUM LIQUID LIMIT OF 35, MINIMUM PLASTICITY INDEX (PI) OF 15, MINIMUM PASSING THE NO. 200 SIEVE OF 75%, AND SHOULD CLASSIFY AS A CL OR CH CLAYEY SILT. SOME OF THE EXCAVATED SOILS FROM THE POOL MAY BE SUITABLE TO UTILIZE AS CLAY LINER MATERIAL.

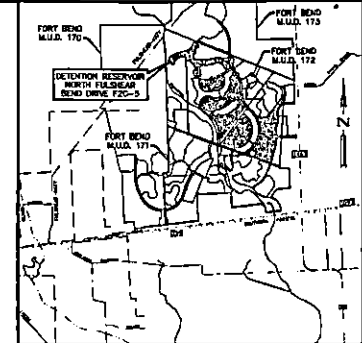
BENCHMARKS

TBM 419-26-1

TBM 423-27-1

BOX CUT AT BACK OF CLUMP 80' N. PLAT LOCATED ON NORTH SIDE OF FULSHEAR BEND DRIVE AT NORTH-WEST CORNER OF INTERSECTION WITH CROSS CREEK BEND LANE. ELEVATION 134.65 FEET HAND-AS, BOX ADJUSTMENT

BOX CUT ON NORTHWEST CORNER OF AN INTERSECTION AT EAST END OF WEST SIDEWALK BLVD. OF SUBJECT TRACT ON NORTHWEST END OF ELEVATION F2C-5. ELEVATION 136.75 FEET HAND-AS, BOX ADJUSTMENT



VICINITY MAP
FORT BEND COUNTY
KEY MAP #183-Y

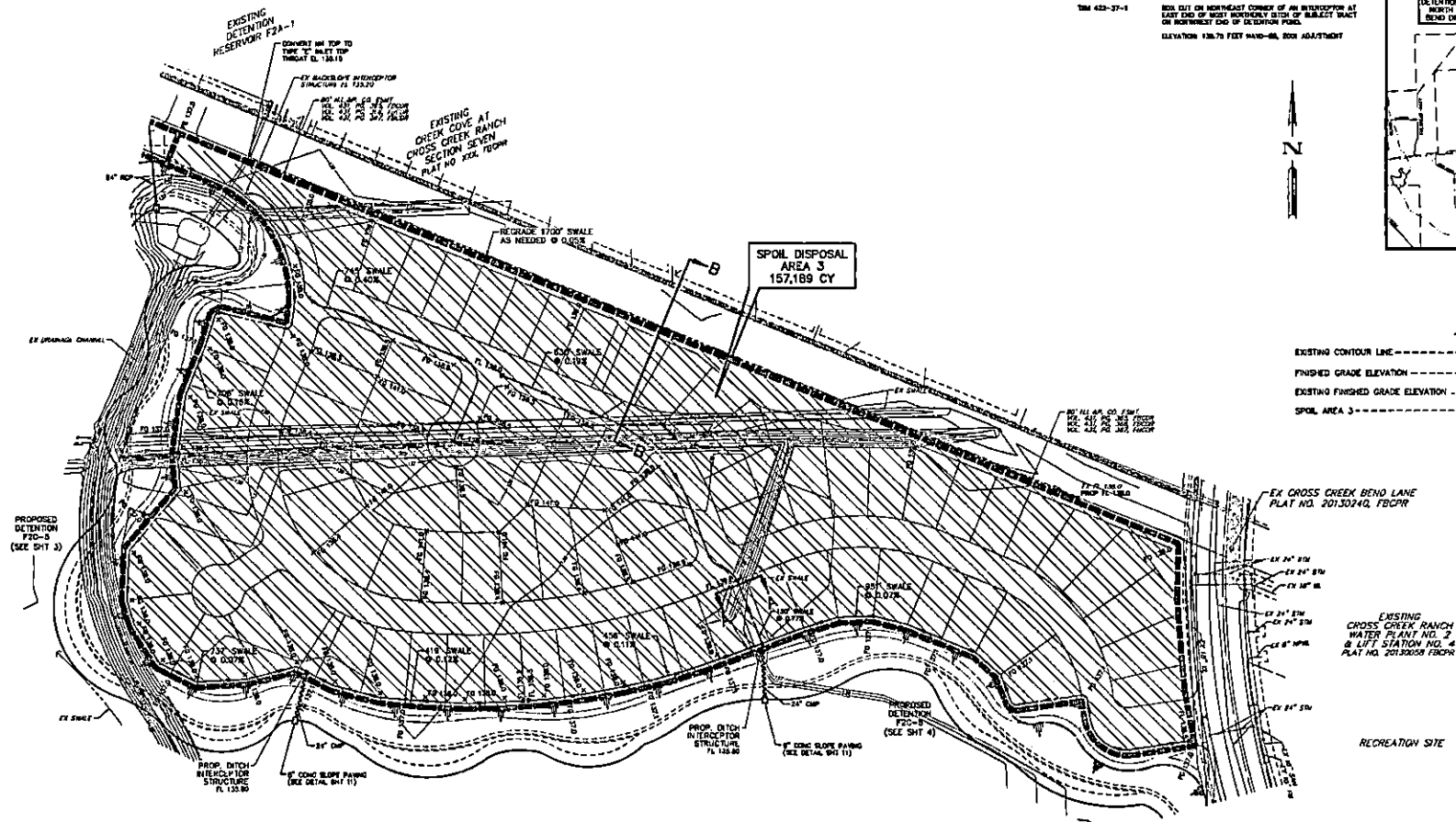
LEGEND

EXISTING CONTOUR LINE - - - - -

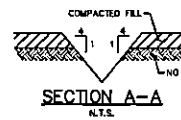
FINISHED GRADE ELEVATION - - - - -

EXISTING FINISHED GRADE ELEVATION - - - - -

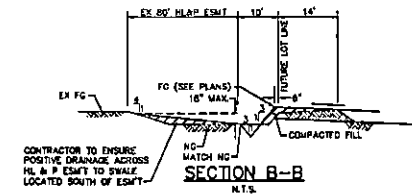
SPOIL AREA 3 - - - - -



RECREATION SITE

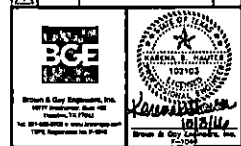


SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

REV.	DATE	DESCRIPTION	P.E. APPROV.
1			
2			
3			



FORT BEND COUNTY M.U.D. 169

DETENTION RESERVOIR
NORTH FULSHEAR
BEND DRIVE F2C-5

SPOIL DISPOSAL PLAN
AREA 3

JOB NUMBER: 3650-00

DESIGNED BY: B.G. ENGINEERING, INC.
CHECKED BY: B.G. ENGINEERING, INC.
DATE: 7-14-00
CITY: DFW, TEX.

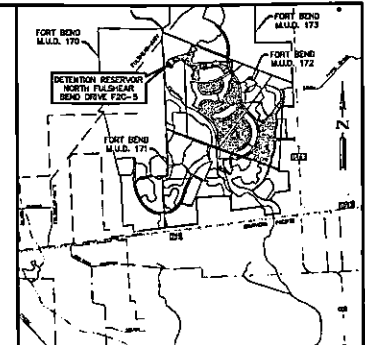
REMARKS:

TM 418-38-1

TM 422-37-1

BOX OUT AT BACK OF CURB ON "D" WALK LOCATED ON NORTH SIDE OF FULSHEAR BEND DRIVE AT NORTHWEST CORNER OF INTERSECTION WITH CROSS CREEK ROAD LANE. ELEVATION: 134.63 FEET NAVD-83, 5001 ADJUSTMENT

BOX OUT ON NORTHEAST CORNER OF AN INTERSECTION AT EAST END OF WEST WORKWAY SIDE OF SUBJECT TRACT ON NORTHWEST END OF DETENTION POND. ELEVATION: 136.79 FEET NAVD-83, 5001 ADJUSTMENT



VICINITY MAP
N.T.S.
FORT BEND COUNTY
KEY MAP #683-Y

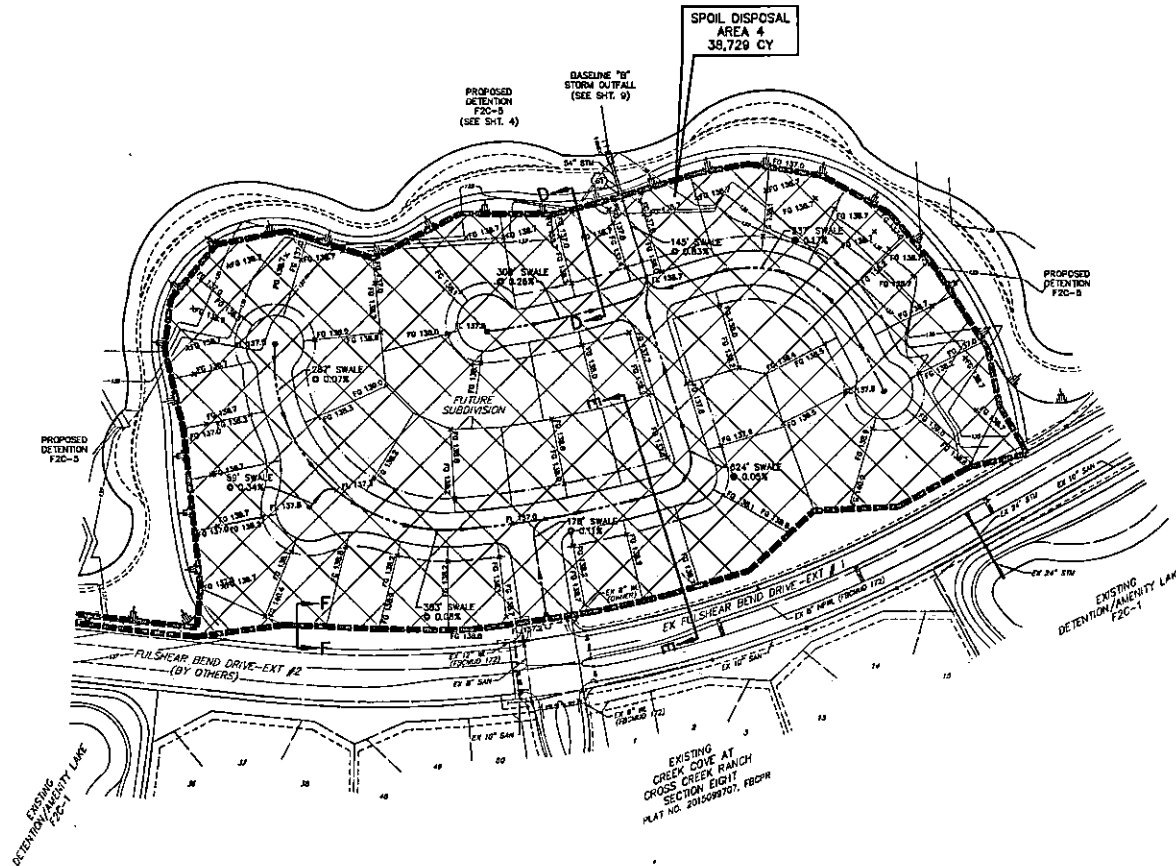
LEGEND

EXISTING CONTOUR LINE -----

FINISHED GRADE ELEVATION -----

EXISTING FINISHED GRADE ELEVATION -----

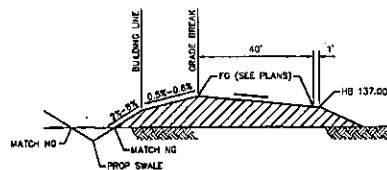
SPOIL AREA 4 -----



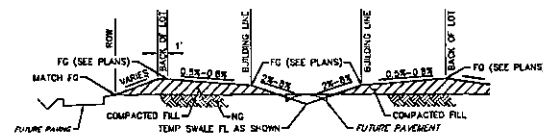
FOR LOCATION OF UNDERGROUND UTILITY LINES, CALL 713-323-5367 OR TOLL FREE 1-800-245-4342, 48 HOURS BEFORE EXCAVATING.

PERMIT NOTES:

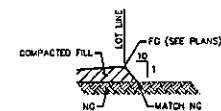
- CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY FORT BEND COUNTY, TEXAS PRIOR TO STARTING CONSTRUCTION OF UTILITIES AND/OR DRAINAGE WITHIN COUNTY ROAD RIGHT-OF-WAY. THE PERMIT IS TO BE ISSUED IN THE CONTRACTOR'S NAME.
- CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY REGULATION OF FORT BEND COUNTY, TEXAS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



SECTION D-D
N.T.S.

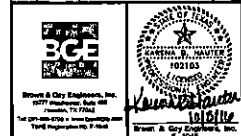


SECTION E-E
N.T.S.



SECTION F-F
N.T.S.

REV.	DATE	DESCRIPTION	PAGE
1			1



FORT BEND COUNTY M.U.D. 169

DETENTION RESERVOIR
NORTH FULSHEAR
BEND DRIVE F2C-5

SPOIL DISPOSAL PLAN
AREA 4

JOB NUMBER: 3660-00

DESIGNED BY: BGE

SCALE: 1" = 50'

DATE: APPROXIMATE DATE

SURVEY BY: BROWN & GRAY ENGINEERS, INC.

CITY: FORT BEND COUNTY, TEXAS

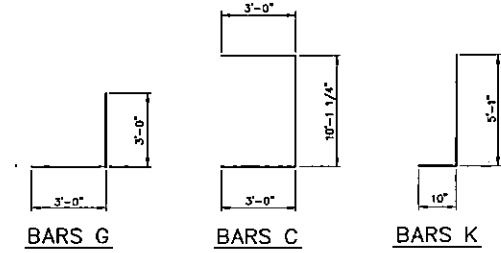
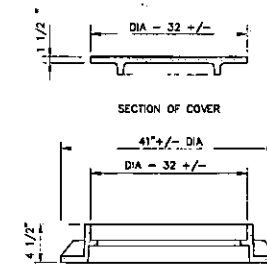
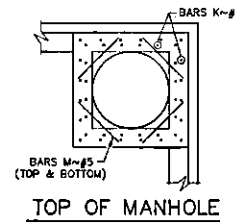
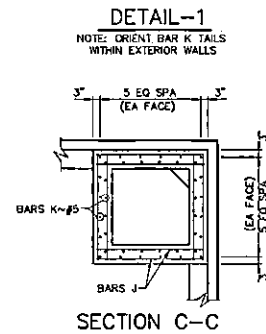
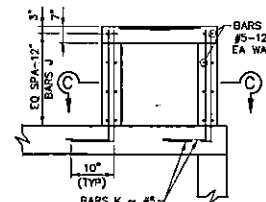
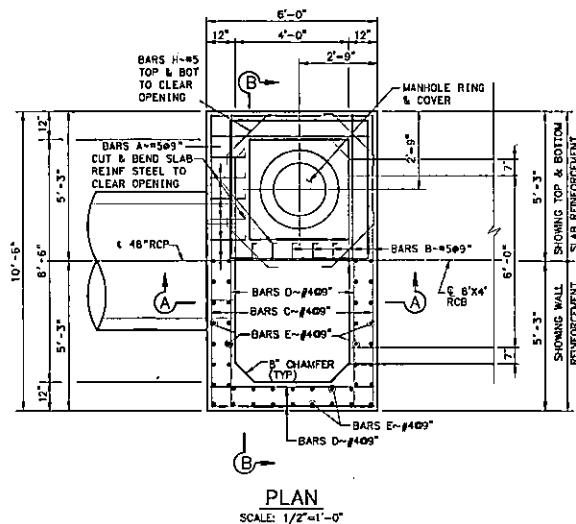
SHEET NO. 8 OF 16 SHEETS

CITY: FORT BEND COUNTY, TEXAS

JOB NUMBER: 3650-00	
SUBMITTED BY: [redacted] WORLD: U.S. DATE: 10/10/00 SUBJECT: [redacted]	CLASSIFIED BY: [redacted] EXTENSION BY: [redacted] EXPIRY DATE: 11 of 14 days CITE: [redacted]

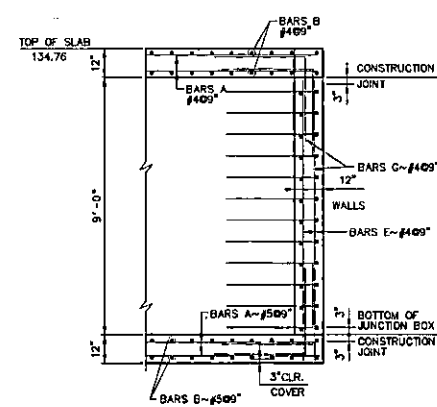
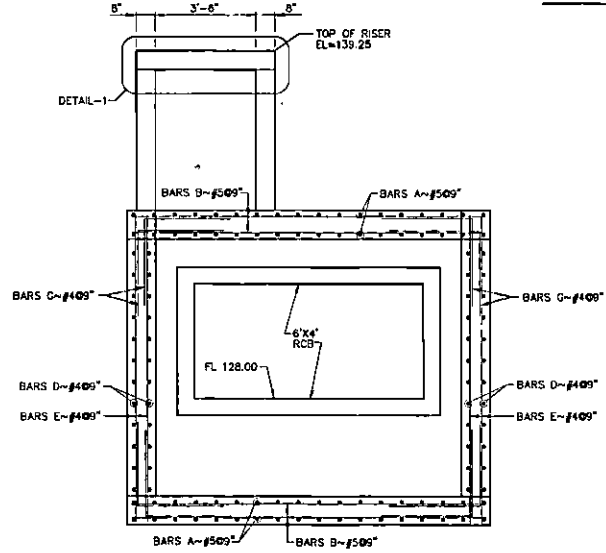
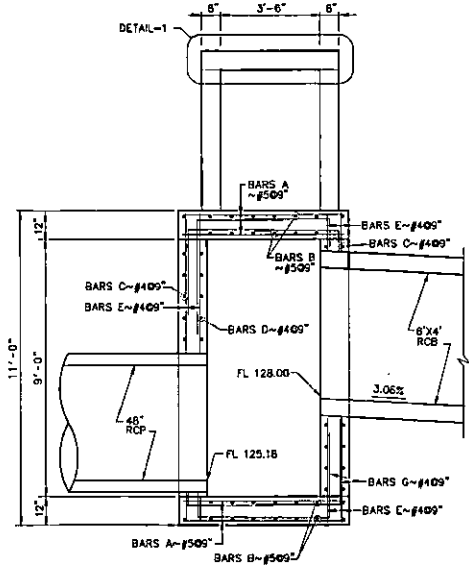
GENERAL NOTES:

1. DESIGNED ACCORDANCE WITH ASHTO STANDARD SPECIFICATIONS.
2. ALL CONCRETE SHALL BE $f'c=3500$ PSI MIN.
3. ALL REINFORCING STEEL SHALL BE GRADE 60.
4. IN AREAS OF CONFLICT BETWEEN REINFORCING STEEL AND BLOCKOUTS, PIPES, OR OTHER REINFORCING STEEL, THE REINFORCEMENT SHALL BE BENT OR ADJUSTED TO CLEAR.
5. SEE PLAN & PROFILE FOR LOCATION OF JUNCTION BOXES.
6. FIELD CUT BARS C & G AS NEEDED.
7. TOTAL CONCRETE REQUIRED = 16.5 CY.

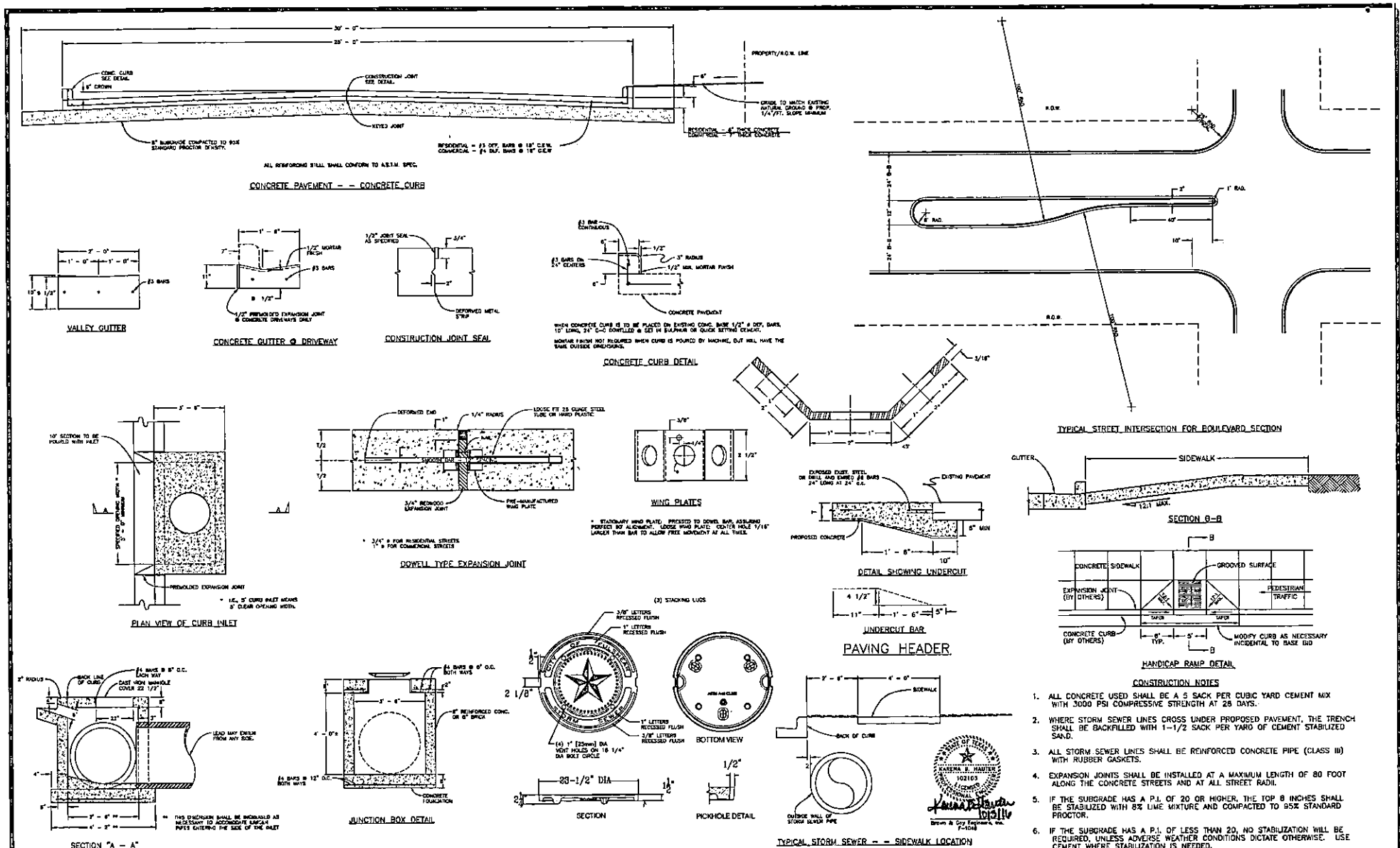


RING AND COVER DETAILS

APPROXIMATE WEIGHT = 440 LB
NTS



FOR ALL WORK TO BE DONE BY THE CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.			
NOTES: 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.			
VERIFICATION OF PRIVATE UTILITY LINES THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.			
CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.			
FOR FORT BEND COUNTY M.U.D. 169 DETENTION RESERVOIR NORTH FULSHEAR BEND DRIVE F2C-5 JUNCTION BOX DETAILS A1 STA. 1+65.11			
JOB NUMBER: 3650-00 DESIGNED BY: J.E. BROWN CHECKED BY: J.E. BROWN DATE: SEPTEMBER 2004 SCALE: 1/2"=1'-0" PROJECT: FORT BEND COUNTY M.U.D. 169			



Clay & Leyendecker, Inc.
Consulting Engineers & Surveyors
Katy, Texas

CITY OF FULSHEAR
SUBDIVISION STANDARD PAVEMENT
AND DRAINAGE DETAILS

Scale: As Noted
File Name: Stratti
Dwn. By: S.P. Date: 2-10-99
Sheet Number 14 of 36

RECEIVED

DEC 30 2016

FBC DRAINAGE DIST.