

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 13 day of DECEMBER, 2011, before the Fort Bend Commissioners Court came on to be heard and reviewed the accompanying notice of ETS TELEPHONE COMPANY

Job Location BULL HEAD SLOUGH

Dated 11/30/11 BOND NO. 42BSBDJ5025 Permit No. 84074

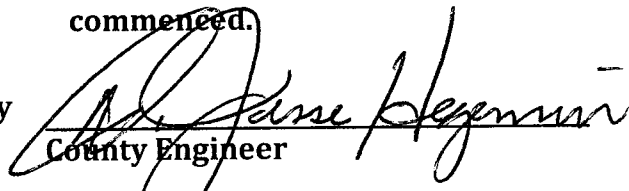
to make use of certain Fort Bend County property subject to, "A Revised Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, date the 3rd day of August, 1987, recorded in Volume _____ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statues. Upon Motion of Commissioner Meyers, seconded by Commissioner Patterson, duly put and carried, it is ORDERED, ADJUGED 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.

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

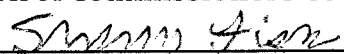
Mail notices to: Permit Administrator
Fort Bend County Engineering
P.O. Box 1449
Rosenberg, Texas 77471
281-633-7500

3. This permit expires one (1) year from date of permit if construction has not commenced.

By 
County Engineer

By _____
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.
Recorded in Volume 12-13-11
Minutes of Commissioners Court.

Clerk of Commissioners Court
By 
Deputy

COUNTY OF FORT BEND

Engineering Department

P.O. BOX 1449
Rosenberg, Texas 77471-1449

Johnny Ortega
Permit Administrator

1124 Blume Road
Phone: (281) 341-7500

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

PERMIT NO. 084074

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 direction.
- c. Plans and specifications.

- (2) Bond:
- District Attorney, approval when applicable.
- Perpetual bond currently posted.
- No. 42BSBDJ5025
- Amount \$50,000.00
- Performance bond submitted.
- No. _____
- Amount _____
- Cashier's Check.
- No. _____
- Amount _____

- (3) Verbal permission given for emergencies, to start construction before approved in Commissioner's Court.

Precinct Engineer Acknowledgment

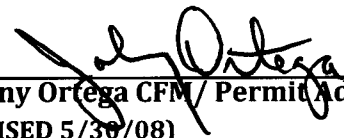
Date

Precinct Commissioner Acknowledgment

Date

- (4) 
Drainage District Approval when applicable

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



Johnny Ortega CFM/ Permit Administrator
(REVISED 5/30/08)

11/28/2011

Date

**NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY
IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES
IN FORT BEND COUNTY**

APPLICANT'S JOB NO. MISC-TF-0028
 PERMIT No. 84079 PCT. No. 4
 BOND No. 42BSBDJ5025

Formal notice is hereby given that ETS TELEPHONE COMPANY
 proposes to lay, construct, maintain and/or repair cable, conduit and/or pole line, in, under,
 across, or along roads, streets, highways and drainage ditches in Fort Bend County, as follows:

In, Under, or Across Roads and/or Drainage Ditches

Road or Ditch Name	Distance & Direction From Nearest Intersection	Length of Crossing	Type of Construction
			Bored: Jacked: Driven: Cased
<u>BULLHEAD SLOUGH</u>	<u>UNIVERSITY BLVD</u>	<u>±319'</u>	<u>DIRECTIONAL BORE</u>

Along Roads and/or Drainage Ditches

Road or Ditch Name	Distance & Direction From Nearest Intersection	To	Distance

General Description

PLACE 1-2" HDPE UNDER BULLHEAD SLOUGH

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or 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 Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

Written notices are required: 1) 48 hours in advance of start of construction and
 2) when construction is complete and ready for final inspection.

Mail to: Permit Administrator/Fort Bend County Engineering
 P.O. Box 1449, Rosenberg, TX 77471.

Violation of requirements shall constitute grounds for job shut down.

Does project comply with Fort Bend County Outdoor Lighting Ordinance? Yes () No ()
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COMPANY NAME: ETS TELEPHONE COMPANY
AGENT and/or OWNER
 JIMMIE E. DUKE *Jimmie E. Duke*
(Signature)
 NAME & TITLE MANAGER OSP ENGINEERING
(Please Print)
 DATE NOVEMBER 09, 2011
 ADDRESS 4106 FM 723, SUITE B
(Street/P.O. Box)
ROSENBERG, TEXAS, 77471
City State Zip
 TELEPHONE NO: 281-924-2088
(accessible 24 hrs/day, 7 days/week)

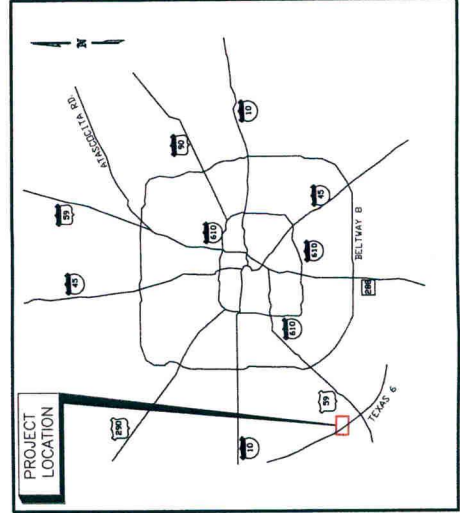
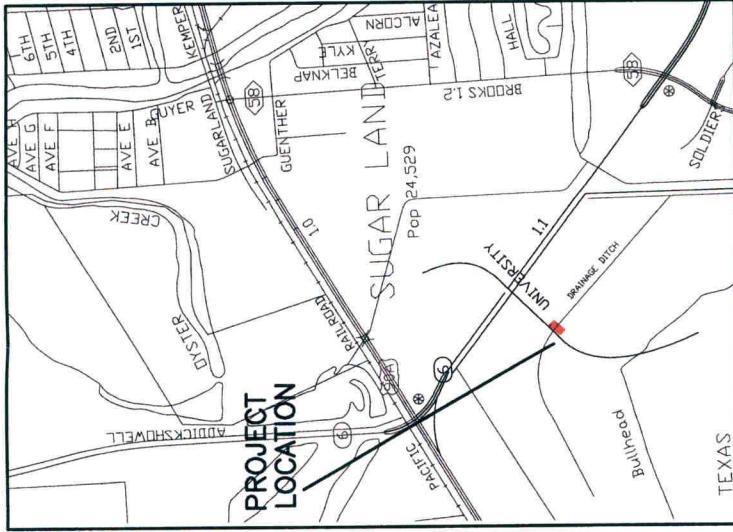


TELECOMMUNICATION CONDUIT CROSSING FORT BEND COUNTY DRAINAGE DITCH SOUTH OF TEXAS 6 INTERSECTION FORT BEND COUNTY, TEXAS

NEW BUILD

KEY MAP#: 658 S

ZIP CODE: 77478



THIS DOCUMENT IS RELEASED
FOR INTERIM REVIEW ONLY
UNDER THE AUTHORITY OF
E. GALVAN
P.E. SERIAL NO.: 51526.
ON: NOVEMBER 1, 2011
IT IS NOT TO BE USED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES.

*NO KNOWN PROPOSED WASTEWATER WORK IS INVOLVED.
**NO KNOWN PROPOSED DRAINAGE WORK IS INVOLVED.

TITLE OF DRAWING	SHT. NO.	STATION
TITLE SHEET	1	
GENERAL NOTES	2	
CONSTRUCTION DRAWING	3	0+00 - 3+31
CONSTRUCTION DRAWING	4	PROFILE
TRAFFIC CONTROL PLAN	5	
GENERAL CONSTRUCTION DETAIL	6	
HANDHOLE DETAILS	7	

REVISED 11/30/2011

NOTES:
THE CONTRACTOR SHALL NOTIFY THE CITY OF SUGAR LAND, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AT LEAST 48 HOURS BEFORE STARTING WORK ON THIS PROJECT.
713-668-1459

PROJECT NAME: UNIVERSITY CROSS
JOB NUMBER:

TEO LLC
5510 Community Drive
Houston, Texas
77005
281-536-5123 OFFICE
713-668-6334 FAX
teo LLC@gmail.com
FIRM # F-8978



SURVEY BY: AC
F B ND

SHEET NO. 1 OF 7 SHEETS

NOVEMBER 6 2011

GENERAL CONSTRUCTION NOTES:

1. WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE ARE DESIGNED TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING, STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING AND THE INFRASTRUCTURE DESIGN MANUAL, REVISED EDITION, OCTOBER, 2002
2. ALL UTILITIES PRESENT ON THESE DRAWINGS ARE SHOWN BASED ON THE BEST AVAILABLE RECORD INFORMATION. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND DEPTHS TO COMBATING CONSTRUCTION CONTRACTORS SHALL NOTIFY THE CITY OF HOUSTON AT 713-233-4567 AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION.
3. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES TO EXISTING WATER, WASTEWATER, STORM, WATER LINES AND TRAFFIC CONTROL DEVICES. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING'S STANDARD CONSTRUCTION SPECIFICATIONS REFERENCED ABOVE, AT NO COST TO THE CITY OF HOUSTON.
4. CONTRACTORS SHALL NOTIFY THE OFFICE OF THE CITY ENGINEER, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AT 713-983-1450 FOR INSPECTION AT LEAST 48 HOURS PRIOR TO COMMENCING THE CONSTRUCTION.
5. ANY AND ALL DAMAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY.
6. CONTRACTOR IS TO PRESERVE AND PROTECT EXISTING TREES AND PLANTS FROM EROSION, TRUNK AND/OR ROOT DAMAGE THAT COULD RESULT FROM CONSTRUCTION OPERATIONS AS PER THE CITY OF HOUSTON STREET TREE ORNAMENTAL AND CITY OF HOUSTON SPECIFICATION 01562, INSIDE OF THE CITY'S EXISTING PAVED PUBLIC ROAD R-0-0-MS AND ANY AFFECT COMMERCIAL BUILDING LINE SETBACK AREAS.
7. THE CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
8. IF THE CONSTRUCTION DOES NOT BEGIN WITHIN A YEAR AFTER THE PLANS HAVE BEEN SHOWN, NEW SIGNATURES MUST BE OBTAINED AND LETTERS OF AVAILABILITY MUST BE UPDATED.
9. CONTRACTOR SHALL PREPARE A SET OF "AS-BUILT" DRAWINGS SHOWING ANY FIELD CHANGES MADE TO THE APPROVED ENGINEERING PLANS AND SUBMIT TO THE DESIGN CONSULTANT FOR SUBMISSION TO CITY ENGINEER.

1. COMPLETION OF THE ROAD AND/OR RIGHT OF WAY UPON THAT PRIOR TO STARTING WORK
 2. EXPOSE 15' OF REINFORCING STEEL AT PROPOSED SWEAD JOINT. IF NO REINFORCING STEEL EXISTS, USE HORIZONTAL DOWELS. HORIZONTAL DOWELS SHALL BE PLACED AT THE CENTER OF THE EXISTING SLAB WITH 1-1/2" ROCK OR EQUAL.
 3. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION. ALL BORE PITS SHALL BE OUTSIDE OF TREE CANOPY (CRITICAL ROOT ZONE).
 - 3A. AND EQUIPMENT OR MATERIALS WILL BE STORED UNDER TREE CANOPY (CRITICAL ROOT ZONE).
 - 3B. ALL PROTECTED TREES WILL BE FENCED AT DRIP LINE.
 - 3C. PERMIT MUST BE OBTAIN TO REMOVE ANY TREE IN RIGHT-OF-WAY.
 4. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. EXCAVATION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY.
 5. CONTRACTOR SHALL COMPLY WITH OSHA REGULATIONS AND STATE OF TEXAS LAWS CONCERNING EXCAVATION, TRENCHING AND SHORING AS SPECIFIED IN CITY OF HOUSTON ORDINANCE 897-1457
 6. WHEELCHAIR RAMPS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF HOUSTON STANDARDS AND ALL OTHERS CONCERNING CURBS OR SIDEWALKS TO BE DAMAGED OR REMOVED DURING CONSTRUCTION.
- NOTE: ALL CONTRACTORS MUST SECURE "JANK/STREET CLOSURE PERMITS" FROM THE CITY'S DEPARTMENT OF PLANNING/DEVELOPMENT AND ENGINEERING PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY BUSINESS DAYS PRIOR TO THE DATE FOR WHICH THE CLOSURE IS SOUGHT. NOTE THAT WORKING HOURS MAY BE RESTRICTED OR THE REQUEST MAY BE DENIED. CALL (713) 837-7280 FOR AN APPLICATION.
- NOTE: AUTHORIZATION NOTICE ISSUED BY HARRIS COUNTY PUBLIC WORKS AND ENGINEERING. THIS NOTICE IS FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY BUSINESS DAYS PRIOR TO THE DATE FOR WHICH THE CLOSURE IS SOUGHT. NOTE THAT WORKING HOURS MAY BE RESTRICTED OR THE REQUEST MAY BE DENIED. CALL (713) 837-7280 FOR AN APPLICATION.

CONSTRUCTION NOTES

1. SECTIONAL BORING WILL BE UTILIZED WHEREVER POSSIBLE. ALL EXCAVATIONS WILL BE BACKFILLED PER CITY, DOT, AND COUNTY SPECIFICATIONS.
2. FIBER OPTIC WARNING TAPE WILL BE PLACED 12" BELOW THE EXISTING GRADE IN ALL EXCAVATIONS.
3. THE RESPONSIBILITY OF EXISTING UTILITY CROSSINGS IS THE RESPONSIBILITY OF THE CONTRACTOR. HAND DIGGING WILL BE UTILIZED WHERE REQUIRED.
4. CALL THE LOCAL UTILITY ONE-CALL AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION.
5. ALL CONSTRUCTION WITHIN THE CITY OF HOUSTON FACILITIES AND OTHER UTILITIES WILL BE MAINTAINED.
6. CONDUIT CABLES WILL BE PLACED ON THE ENDS OF ALL VACANT DUCTS DURING CONSTRUCTION, UPON COMPLETION, AND WHILE AWAITING FIBER INSTALLATION.
7. FIBER TRAY SHALL BE 3" - 1.25" HOPE AS SHOWN ON DRAWING.
8. THE MINIMUM BENDING RADIUS FOR FIBER CABLE WILL BE 24".
9. MAXIMUM CABLE INSTALLATION TENSION WILL NOT EXCEED 600 POUNDS.
10. PULLING: A 600 POUND BREAKAWAY SHIMMEL WILL BE USED DURING THE REMOVAL AND STORAGE OF ALL SHIRREBURY TO BE REPLACED IS THE RESPONSIBILITY OF THE CONTRACTOR.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR RESTORING THE PUBLIC RIGHT-OF-WAY TO ORIGINAL CONDITIONS.
12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONSTRUCTION AS-BUILT DRAWINGS AND PRESENT A COMPLETE SET OF RED-LINED DRAWINGS TO TYPES AND THE CITY OF HOUSTON.
13. CONDUITS WILL BE TERMINATED NO MORE THAN SIX (6) INCHES ABOVE THE FLOOR GRADE IN HANDBOXES.
14. PLACE AT LEAST EIGHT (8) INCHES OF CRUSHED ROCK IN THE BOTTOM OF HANDBOXES PRIOR TO PLACING THE WIRE MESH (2 SQUARES).
15. PLACE 100 FEET FIBER SLACK COIL IN EACH HANDBOX/MANHOLE.
16. BURRED POWER LINES: HAND DIG AS REQUIRED.
17. BURRED FIBER OPTIC TELEPHONE CABLES: HAND DIG AS REQUIRED.
18. BURRED CABLES: HAND DIG AS REQUIRED.
19. BURRED CABLES: HAND DIG AS REQUIRED.
20. BORE OUTSIDE THE DRINKLINE OF ALL TREES TO PREVENT ROOT DAMAGE (CRITICAL ROOT ZONE).
21. WHEN TRENCHING, BORE IF A TREE ROOT OF 1" DIAMETER OR LARGER IS ENCOUNTERED.
22. UNLESS OTHERWISE INDICATED, RIGHT OF WAY (ROW) LINES CONFORM WITH THE BACK OF SIDEWALK.
23. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. CALL TEXAS ONE CALL AT 1-800-246-4243.

UNDERGROUND GAS FACILITIES

LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY PIPELINE, L.L.C. MAIN LINES) SHALL BE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTHS OF ALL UNDERGROUND GAS FACILITIES. THE CONTRACTOR SHALL NOT SHOW HIS SIGNATURE ON THESE PLANS ONLY. INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT (713) 233-4567 OR (800)-889-3444 A MINIMUM 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

* WHEN CENTERPOINT ENERGY PIPE LINE MARKINGS ARE NOT VISIBLE, CALL (713) 967-8037 (7:30 am. to 4:30 pm.) FOR FIELD LOCATION OF CENTERPOINT ENERGY FACILITIES. BEGINS.

* WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, CONTRACTOR SHALL FOLLOW THE FOLLOWING PROCEDURES USING NON-MECHANIZED EXCAVATION PROCEDURES.

* WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, CONTRACTOR SHALL FOLLOW THE FOLLOWING PROCEDURES TO PREVENT EXCESSIVE STRESS ON THE PIPING.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

WARNING: OVERHEAD ELECTRICAL FACILITIES

OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING CONSTRUCTION. ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES, PARTS RESPONSIBLE FOR THE WORK, INCLUDING CONSTRUCTION WORKERS UNDER THIS LAW. THIS CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY AT 713-207-2222.

TRENCH SAFETY SYSTEMS

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREPARE SHOP DRAWINGS FOR THE "TRENCH SAFETY SYSTEM" AS REMAINED AND PAID BY THE CONTRACTOR.

STORM SEWER CONSTRUCTION NOTES

1. STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE (C-16, CLASS III), AND SHALL BE INSTALLED, BEDDED AND BACKFILLED IN ACCORDANCE WITH THE CITY OF HOUSTON DRAWINGS NOS. 02317-02, 02317-03, 02317-05, 02317-06, AND 20317-07 (OCT. 2002) AS APPLICABLE UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
2. ALL STORM SEWERS SHALL BE INSTALLED IN SIDE LOT EASEMENT SHALL BE R.C.P. (C76, CLASS III) AND SHALL BE BEDDED IN ACCORDANCE WITH THE CITY OF HOUSTON DRAWING NOS. 02317-02, 02317-03, 02317-05, 02317-06, AND 02317-07 AS APPLICABLE.
3. ONE (1) FOOT BACK OF EXISTING UTILITIES PAVEMENT HAS TO A POINT BACKFILLED WITH 1-1/2" SAND GEMENT/C.Y. STABILIZED SAND TO WITH IN ONE (1) FOOT OF SURGRADE. THE REMAINING DEPTH OF TRENCH SHALL BE BACKFILLED WITH SUITABLE EARTH MATERIAL.
4. FOOT INTERVALS ON EACH LEG AND MECHANICALLY COMPACTED TO A DENSITY OF NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST (ASTM D-1585/ASHO D 1585) FOR THE TYPE OF MATERIAL TO BE USED.
5. ALL REINFORCED CONCRETE PIPE SHALL BE INSTALLED USING RUBBER GASKET JOINTS CONFORMING TO ASTM C443 AND ASTM C377 RESPECTIVELY.
6. ALL STORM SEWER PIPES AND INLET LEADS SHALL BE 24"-INCH AND ALL PROPOSED PIPE SIZES SHALL BE 24" UNLESS OTHERWISE NOTED.
7. ALL PROPOSED PIPE SIZES SHALL BE 24" UNLESS OTHERWISE NOTED.
8. CONSTRUCTION AS-BUILT DRAWINGS AND PRESENT A COMPLETE SET OF RED-LINED DRAWINGS TO TYPES AND THE CITY OF HOUSTON.
9. CONDUITS WILL BE TERMINATED NO MORE THAN SIX (6) INCHES ABOVE THE FLOOR GRADE IN HANDBOXES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING, AND RESTORING THE PUBLIC RIGHT-OF-WAY TO ORIGINAL CONDITIONS. A RESULT OF HIS WORK SHALL BE PLUGGED WITH 1" BRICK WALLS UNLESS OTHERWISE NOTED.
11. ALL DITCHES SHALL BE REGRADED TO PROPOSED ELEVATIONS TO INSURE PROPER DRAINAGE. ALL OUTFALLS SHALL BE PROPERLY BACKFILLED AND COMPACTED. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL CONDITIONS.
12. ALL DRAINWAYS WILL BE LOCATED TO AVOID EXISTING CURB INLET STRUCTURES.

SWPPP CONSTRUCTION NOTES

1. CONTRACTOR SHALL IMPLEMENT INLET PROTECTION DEVICES AND REINFORCED FILTER BARRIER ALONG ROAD AND SIDE DITCHES AT LOCATIONS SHOWN ON THE TYPICAL STORM WATER POLLUTION PREVENTION (SWPP) PLANS TO PREVENT SOILS AND DEBRIS FROM ENTERING THE RECEIVING STORM WATER INLETS AND DITCHES EXISTENTIALLY POLLUTING THE RECEIVING STORM WATER.
2. DURING THE EXCAVATION PHASE OF THE PROJECT, CONTRACTOR SHALL SCHEDULE WORK IN SHORT SEGMENTS SO THAT EXCAVATED MATERIAL CAN BE QUICKLY Hauled AWAY FROM THE SITE AND TO PREVENT UNWANTED SOIL FALLS ON PAVEMENTS OR DRIVEWAYS SHALL BE SWEEP BACK INTO THE EXCAVATED AREA.
3. CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY, TO REMOVE ANY EXCESS MUD, SILT OR DEBRIS. CONTRACTOR SHALL FOLLOW GOOD MAINTENANCE PRACTICES DURING CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.
4. CONTRACTOR TO INSPECT AND MAINTAIN THE AREAS LISTED BELOW AT LEAST EVERY 24 HOURS OF THE PROJECT (1. DISTURBED AREAS OF THE PROJECT THAT HAVE NOT BEEN FINALLY STABILIZED.
5. AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
6. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE.
7. CONTRACTOR TO BE RESPONSIBLE TO MAINTAIN EXISTING DITCHES AND / OR CONDUITS FOR UNOCCUPIED DAMAGE AT ALL TIMES. WHERE SOODING IS REQUIRED, EXCAVATION SHALL BE REPAIRED BY BENCHING OR SOODING. SLOPES 4:1 OR STEEPER SHALL BE REPAIRED BY BLOCK SOODING.

FIRM FLOOD INSURANCE RATE MAP

PARCEL 233 OF 350
 MAP# 481520235 J
 MAP REVISED JANUARY 3, 1997

STANDARD HCFCD NOTES FOR CONSTRUCTION DRAWINGS

1. NOTIFY THE FORT BEND COUNTY FLOOD CONTROL DISTRICT PROPERTY MANAGEMENT 48 HOURS PRIOR TO CONSTRUCTION. SUBMIT THE 48 HOUR PRE-CONSTRUCTION NOTIFICATION FORM AND A COPY OF THE APPROVED DRAWINGS TO THE DISTRICT PROPERTY MANAGEMENT, 17702-A111, PROPERTY MANAGEMENT DEPT. HOUSTON, TEXAS 77058-1111.
2. ENGINEER SHALL SUBMIT CERTIFICATION LETTER AND RECORD DRAWINGS TO THE DISTRICT PROPERTY MANAGEMENT DEPARTMENT FOR REVIEW AND RECORD. THE DISTRICT PROPERTY MANAGEMENT DEPARTMENT WILL CONDUCT VISUAL INSPECTION OF THE DRAINAGE RIGHT-OF-WAY AND/OR EASEMENT SHALL BE REQUESTED AND FLAGGED.
3. BACKSLOPE SHALL MAINTAIN AND RESTORE EXISTING BACKSLOPE DRAINAGE SYSTEMS.
4. ESTABLISH TURF GRASS ON ALL DISTURBED AREAS WITHIN THE CHANNEL OR DETENTION RIGHT-OF-WAY, EXCEPT THE CHANNEL BOTTOM AND WHERE STRUCTURE EROSION MEASURES ARE USED. MINIMUM ACCEPTANCE CRITERIA SHALL BE 2" THICKER THAN 4".
5. BACKFILL IN ACCORDANCE WITH THE HARRIS COUNTY FLOOD CONTROL DISTRICT STANDARD SPECIFICATION, SECTION 02315-EXCAVATION AND BACKFILLING, OR EQUIVALENT.
6. EXCAVATION CHANGES, FLOWLINE TO DESIGN ELEVATION AS SHOWN ON PLANS AND DRAINAGE CHANNELS, TO ENSURE NO WATER IN STORM SEWER DURING "DRY" CONDITIONS.
7. MAINTAIN FLOW IN CHANNEL DURING CONSTRUCTION AND RESTORE CHANNEL TO ORIGINAL CONDITIONS.
8. DESIGNED FLOOD PLAIN AREA WITHOUT FIRST OBTAINING A FULL PERMIT FROM THE APPROPRIATE JURISDICTIONAL AUTHORITY.
9. OBTAIN AND COMPLY WITH ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL PERMITS AND APPROVALS WITH ASSISTANCE FROM ENGINEER, IF NECESSARY.

STREET AND BRIDGE NOTES:

1. EXISTING PAVEMENT, CURBS, SIDEWALKS AND DRIVEWAYS DAMAGED OR REMOVED DURING CONSTRUCTION, SHALL BE REPLACED TO CITY OF HOUSTON STANDARDS.
2. WHEEL CHAIR RAMPS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF HOUSTON STANDARDS AND ALL OTHERS CONCERNING CURBS OR SIDEWALKS TO BE DAMAGED OR REMOVED DURING CONSTRUCTION.
3. PRIOR TO STREET CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER TO VERIFY THE EXACT LOCATION OF ALL UTILITIES AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR STREET CONSTRUCTION.

SBC FACILITIES

1. THE LOCATIONS OF SBC FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL CALL 1-800-344-8377 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.
3. WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF SBC FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
4. WHEN SBC FACILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.

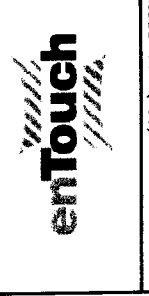
DISCLAIMER

GENERAL NOTES:
 1. ALL KNOWN UNDERGROUND UTILITIES AND OBSTRUCTIONS ARE PRESENT ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND DEPTHS TO COMBATING CONSTRUCTION CONTRACTORS SHALL NOTIFY THE CITY OF HOUSTON AT 713-233-4567 AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION.

JOB NUMBER:

THIS DOCUMENT IS RELEASED FOR INTERIM REVIEW ONLY UNDER THE AUTHORITY OF E. GALVAN
 P.E. SERIAL NO.: 51526
 ON: NOVEMBER 1, 2011
 IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

TEO, LLC
 5510 COMMUNITY DRIVE
 HOUSTON, TEXAS
 281-436-6200 OFFICE
 281-436-6334 FAX
 teo@teo.com
 FIRM # F-8978



EMERGENCY # (281) 414-5667

GENERAL NOTES



FILE NO.	
DATE:	11/06/11
DRAWING SCALE:	
HORIZ. MTS	
VERT. MTS	
SHEET No.	2 OF 7

DISCLAIMER

GENERAL NOTES:
 1. ALL KNOWN UNDERGROUND UTILITIES AND OBSTRUCTIONS ARE PRESENT ON THIS SHEET. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL UTILITIES MAPS AND FIELD ENGINEERING OBSERVATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT, MAINTAIN, REPAIR OR REPLACE ANY UTILITIES DAMAGED, PROTECTED, AND REPAIR IF NECESSARY.
 2. CALL UNDERGROUND SERVICE ALERT AT LEAST 48 HOURS BEFORE ANY EXCAVATIONS.
 3. CONTRACTORS RESPONSIBLE FOR POT-HOLING, LOCATING AND PROBING ALL UNDERGROUND STRUCTURES.

JOB NUMBER:

TOTALS
 FIBER THIS SHEET: 319 LF
 FIBER CUMULATIVE: —
 STATIONING 0+00 — 4+00
 CONDUIT 319 LF

MATERIAL LIST	QUANTITY
2 — 1.25" HDPE	319' EA
BURIED CABLE MARKER	1
HAND HOLE	1

TEO .LLC
 5510 Community Drive
 Houston, Texas 77005
 281-536-5123 OFFICE
 713-686-6334 FAX
 teo@teo.com
 FIRM # F-8978



EMERGENCY # (281) 414-5567

**UNIVERSITY BLVD
 CONSTRUCTION DRAWING**

PRIVATE UTILITY LINES SHOWN AT LEAST 48 HOURS BEFORE EXCAVATION IN STREET P.O.W. OR EASEMENTS SHALL BE DONE. NOTIFICATION 713-223-4567.

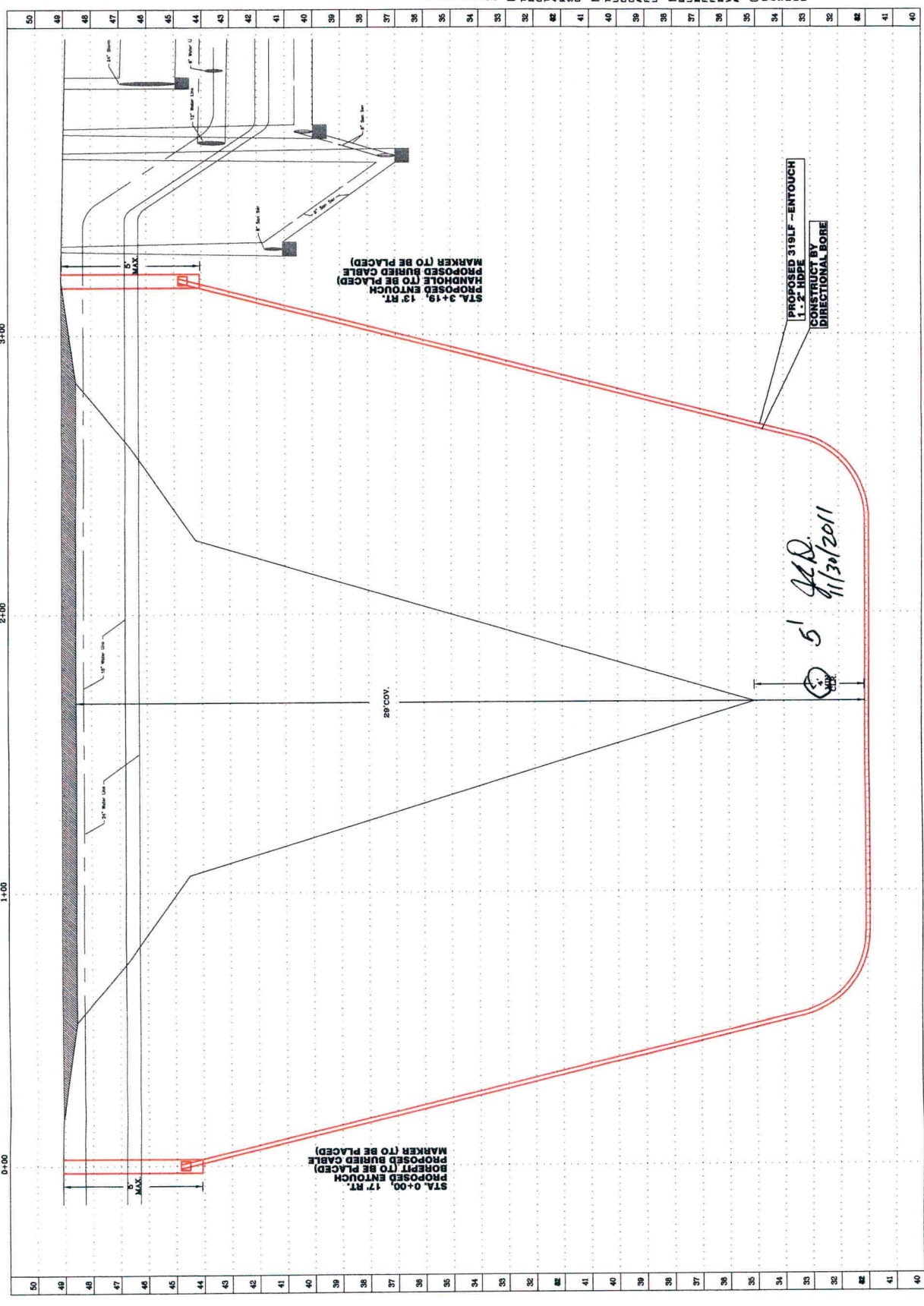
Date: _____
 Date: _____
 Date: _____

FORT BEND COUNTY
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING



DATE: 10/25/10
 DRAWING SCALE:
 HORIZ: 1" = 20'
 VERT: 1" = 02'
 SHEET No. 4 of 7

**PROFILE
 FORT BEND COUNTY**



NOTE:
 CONTRACTOR SHALL VERIFY ALL UTILITIES AT LEAST 48 HOURS BEFORE CONSTRUCTION.

NOTE:
 CONTRACTOR SHALL VERIFY ALL UTILITIES AND INSTALL BRACKETS AT TRUSS ALIGNMENT TO CONSTRUCTION ACTIVITIES.

NOTE:
 THIS APPROVAL IS FOR CONSTRUCTION UTILIZING JACKS / BARS AND JACK METHOD ONLY. FOR ANY REASONS, IF REPAIRS ARE REQUIRED TO EXISTING UTILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIRS. ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THIS APPROVAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. APPROVED AND DATED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.

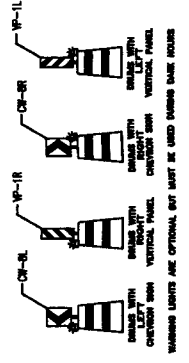
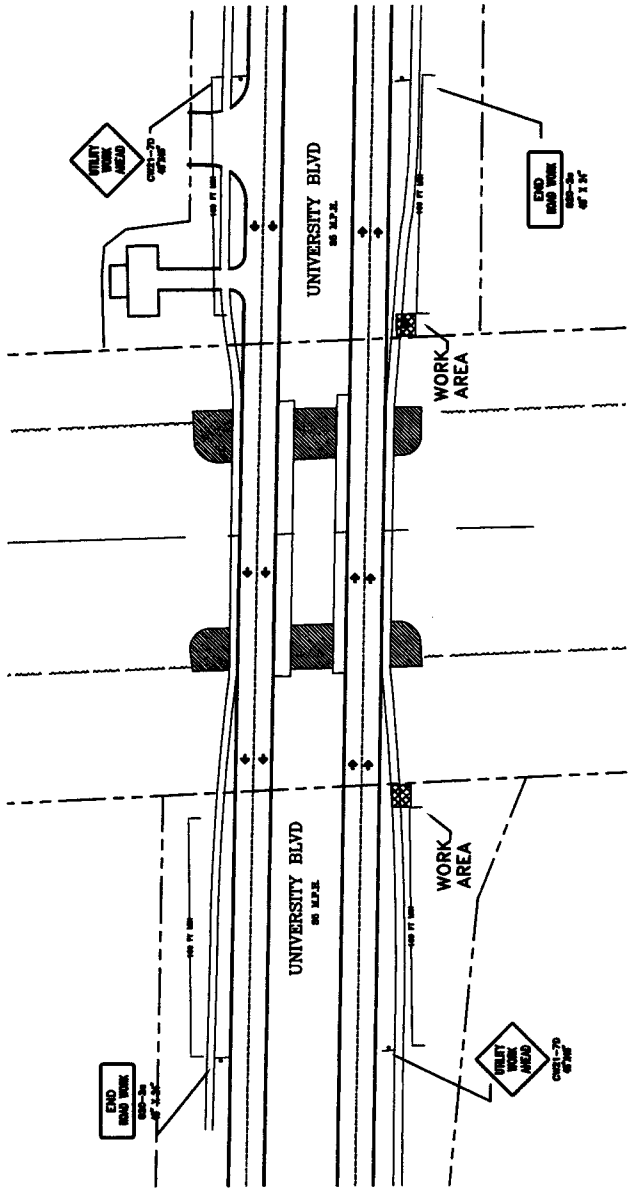
NOTE:
 THE LOCATIONS OF SOUTHWESTERN BELL TELEPHONE COMPANY UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES. COMPENSING WORK BE AGREED TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THIS APPROVAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. APPROVED AND DATED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.

NOTE:
 CONTRACTOR SHALL VERIFY ALL UTILITIES AT LEAST 48 HOURS BEFORE CONSTRUCTION. APPROVED AND DATED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.

CAUTION: UNDERGROUND GAS FACILITIES
 LOCATIONS OF EXISTING GAS FACILITIES (TO INCLUDE EXISTING GAS TRANSDUCERS AND/OR INSTRUMENT GAS SUPPLY CONNECTIONS) HAVE BEEN IDENTIFIED ON THIS SHEET. THE CONTRACTOR SHALL CONTACT THE UTILITY OPERATING COMPANY AT 0702-252-5500 OR 1-800-405-0044 FOR A CURRENT LIST OF GAS FACILITIES TO BE AVOIDED. THE CONTRACTOR SHALL CONTACT THE UTILITY OPERATING COMPANY TO DETERMINE THE LOCATION OF ALL GAS FACILITIES TO BE AVOIDED.

REVISED 11/30/2011

WARNING SIGNS ALONG MAJOR RD
 APPLY TO STATIONS 0+00 - END (ALONG UNIVERSITY BLVD.)



WARNING LIGHTS ARE OPTIONAL, BUT MUST BE USED DURING DARK HOURS.

- LEGENDS:**
- ▨ WORK AREA
 - ▨ ROAD/LANE CLOSED AREA
 - DRUMS WITH LEFT CHEVRON SIGN
 - DRUMS WITH RIGHT VERTICAL PANEL
 - DRUMS WITH RIGHT CHEVRON SIGN
 - DRUMS WITH LEFT VERTICAL PANEL
 - PLASTIC DRUMS
 - 24" TUBULAR BARRIERS
 - 24" TRAFFIC CONES
 - TRAFFIC CONSTRUCTION SIGNS
 - 1 TYPE B BARRICADE WITH 2 TYPE 1/4" WARNING LIGHTS
 - ☒ LAW OFFICER
 - ☐ FLAGGER
 - ☐ FLASHING ARROW PANEL
 - DIRECTION OF TRAFFIC FLOW

JOB NUMBER:

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 ON: NOVEMBER 1, 2011
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EMERGENCY # (281) 414-5667

TRAFFIC CONTROL PLAN

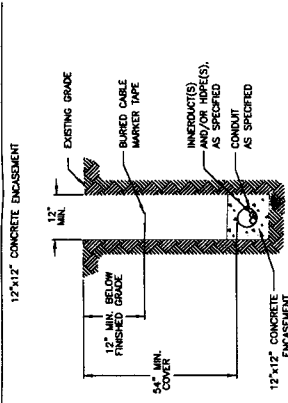


FILE NO	
DATE	11/09/11
DRAWING SCALE	
HORIZ	NTS
VERT	NTS
SHEET No	5 OF 7

FORT BEND COUNTY
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 TRAFFIC NOTES

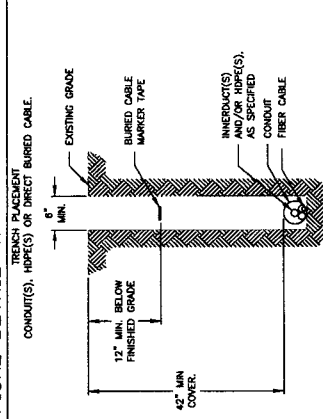
- 1 - CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES (CHEVRON SIGNS, VERTICAL PANELS, BARRIERS, AND TRAFFIC CONTROL DEVICES (TEXAS MUTUAL, WEST RECENT EDITION WITH REVISIONS) DURING CONSTRUCTION.
- 2 - NO LANES SHALL BE CLOSED DURING CONSTRUCTION.
- 3 - CONTRACTOR SHALL COVER OPEN EXCAVATIONS WITH STEEL PLATES AND PROVIDE WORKING HOOR AND OPEN LANES FOR NORMAL TRAFFIC FLOW.
- 4 - IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF TRAFFIC CONTROL PLANS DURING THE CONSTRUCTION THAN WHAT IS SPECIFIED IN THE PERMIT, THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND OBTAIN AN ALTERNATE SET OF APPROVABLE WORKS, SEALED AND SIGNED BY A LICENSED ENGINEER IN THE STATE OF TEXAS, WITH THE ENTIRE APPROVED SET OF DRAWINGS, TO NOTIFY TRAFFIC SECTION FOR REVIEW AND APPROVAL, TEN WORKING DAYS PRIOR TO IMPLEMENTATION.
- 5 - APPROVED COPIES OF THE TRAFFIC CONTROL PLANS AND LAKE CLOSURE PERMITS SHALL BE AVAILABLE FOR INSPECTION AT JOB SITE AT ALL TIMES.
- 6 - CONTRACTOR SHALL MAINTAIN LOCAL DRIVEWAY ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES ADJACENT TO WORK AREA AT ALL TIMES.
- 7 - CONTRACTOR SHALL NOTIFY FREE POLICE, METROPOLITAN TRANSIT AUTHORITY AND SHERIFFS 10 WORKING DAYS PRIOR TO IMPLEMENTATION FOR TRAFFIC CONTROLS.

TYPICAL DETAIL "B" INDUSTRY STANDARD



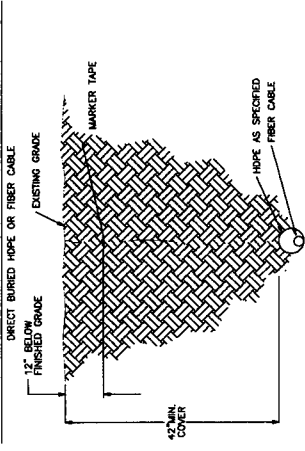
NOTE:
BACKFILL MUST BE MADE WITH ROCK FREE MATERIAL.

TYPICAL DETAIL "A" INDUSTRY STANDARD



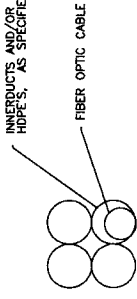
NOTE:
BACKFILL MUST BE MADE WITH ROCK FREE MATERIAL.

TYPICAL DETAIL "C" INDUSTRY STANDARD



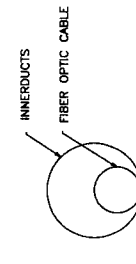
INDUSTRY STANDARD
TYPICAL DETAIL "D"

CROSS SECTION OF INNERDUCT(S)
AND/OR HOPE(S) AS SPECIFIED

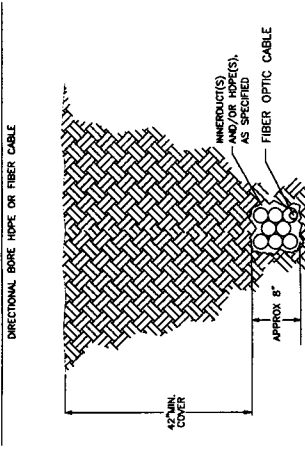


INDUSTRY STANDARD
TYPICAL DETAIL "E"

HOPE WITH CABLE CROSS SECTION

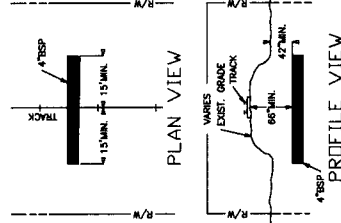


TYPICAL DETAIL "H" INDUSTRY STANDARD

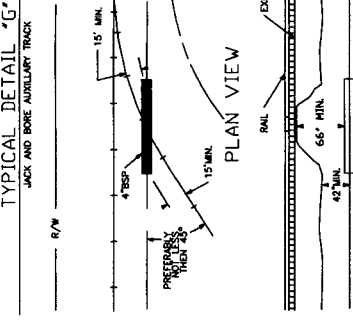


INDUSTRY STANDARD
TYPICAL DETAIL "F"

JACK AND BORE MAIN TRACK



INDUSTRY STANDARD
TYPICAL DETAIL "G"



PROFILE VIEW

DISCLAIMER

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2. CALL UNDERGROUND SERVICE ALERT AT 1-800-344-8377 AT LEAST 48 HOURS PRIOR TO EXCAVATIONS.
3. CONTRACTORS SHALL BE RESPONSIBLE FOR PROTECTING, LOCATING AND PROBING ALL UNDERGROUND STRUCTURES.

JOB NUMBER:

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5510 Community Drive
Houston, Texas 77005
281-536-5123 OFFICE
713-688-6334 FAX
teolc@gmail.com
FIRM # F-8978

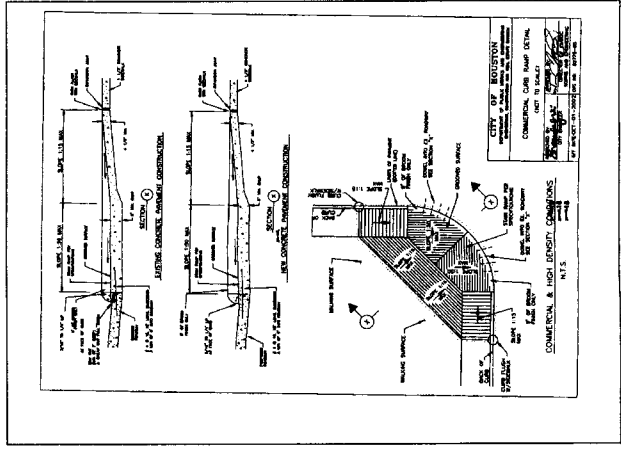
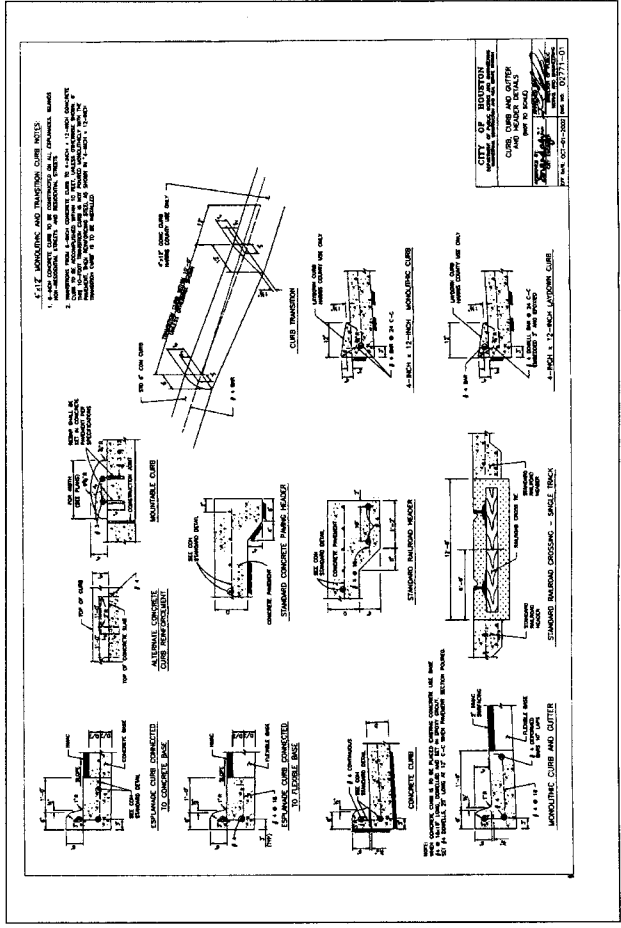
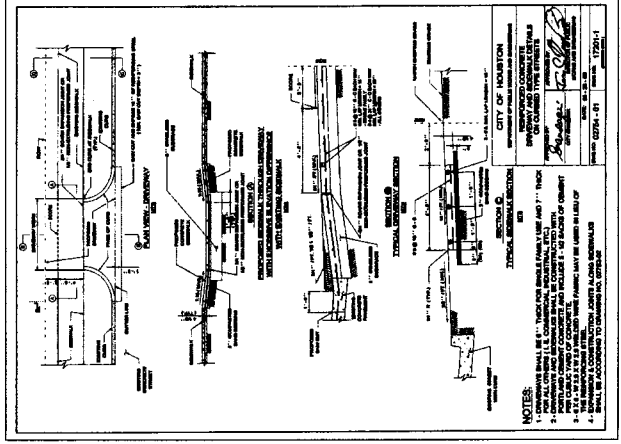


EMERGENCY # (281) 414-5587

GENERAL CONSTRUCTION DETAILS



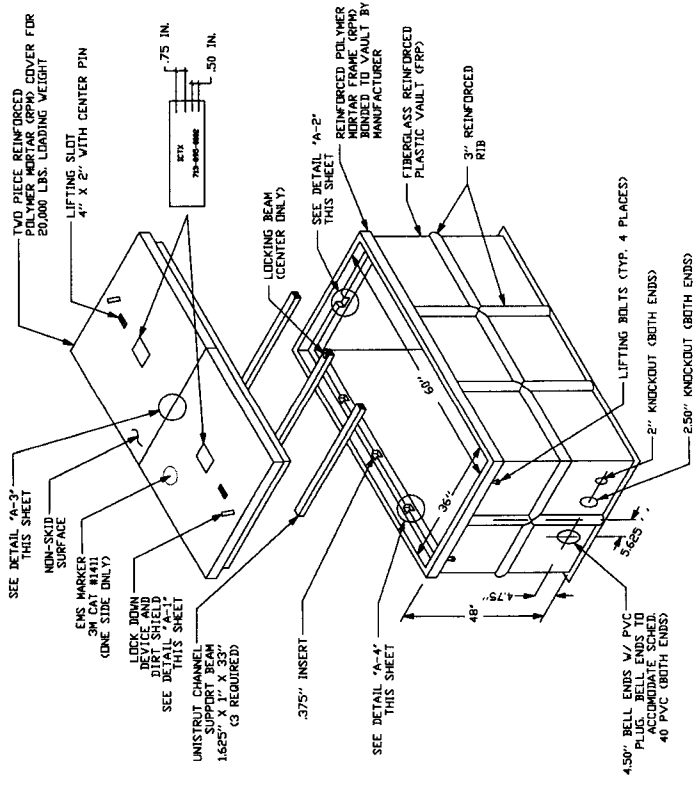
FILE NO.	DATE: 11/06/11
DRAWING SCALE:	
HRZ:	MTS
VERT:	MTS
SHEET No.	6 OF 7



3' x 5' x 4' HANDHOLE DETAILS

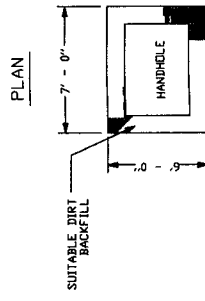
DETAIL "A"

EXPLODED ISOMETRIC DETAIL

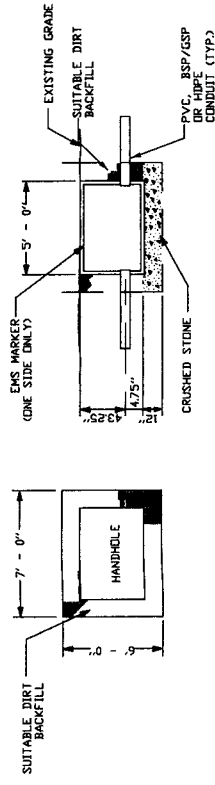


DETAIL "C"

EXCAVATION PIT

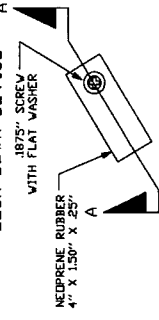


PROFILE



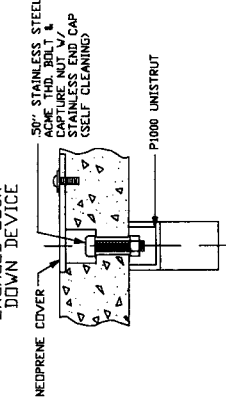
DETAIL "A-1"

LOCK DOWN DEVICE WITH FLAT WASHER



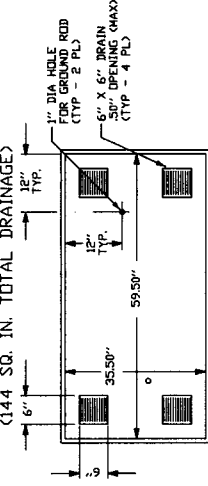
DETAIL "A-2"

ENGAGED LOCK DOWN DEVICE



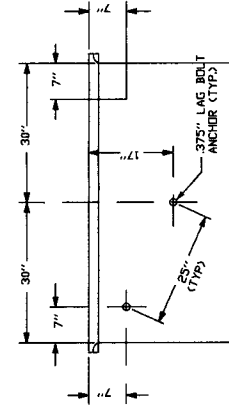
DETAIL "B"

VAULT BOTTOM PLAN VIEW (1144 SQ. IN. TOTAL DRAINAGE)



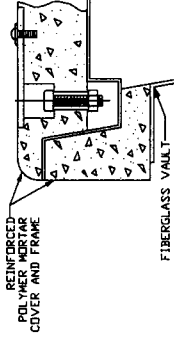
DETAIL "D"

SIDE WALL VIEW INSIDE LOOKING OUT



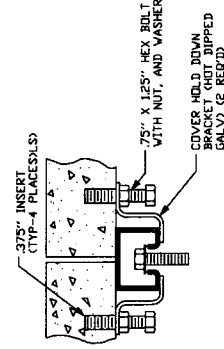
SECTION A-A

LOCKING DEVICE CROSS SECTION



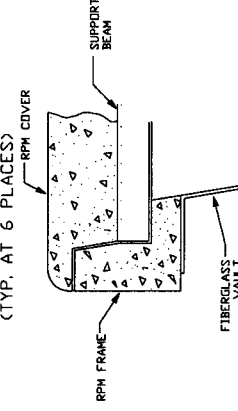
DETAIL "A-3"

COVER HOLD DOWN BRACKET OF 2-PIECE RPM COVER



DETAIL "A-4"

SUPPORT BEAM INSTALLATION (TYP. AT 6 PLACES)



- NOTES:**
- VOID IN EXCAVATED AREAS TO BE BACKFILLED WITH SELECT MATERIAL.
 - BOTTOM OF EXCAVATED PIT TO BE BACKFILLED WITH 12" OF CRUSHED STONE (75" GRADE).
 - SHORING WILL BE REQUIRED.
 - THIS HANDHOLE IS OF FIBERGLASS MATERIAL. CONTACT THE MANUFACTURER FOR LIGHTING MATERIAL. THE LIGHTING POLYMER CONCRETE MATERIAL, EACH APPROXIMATELY POUNDS.

NOTE:
LINEAR DISTANCE BETWEEN LAG BOLT ANCHORS MUST BE 25".

DISCLAIMER

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JOB NUMBER: J207730

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P.E. SERIAL NO.: 51528
ON: NOVEMBER 1, 2011
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TEO ILLC

5510 Community Drive
Houston, Texas 77005
281-596-5128 OFFICE
713-668-6334 FAX
ted@teoilc.com
FIRM # F-8878



EMERGENCY # (281) 414-5587

HANDHOLE DETAIL



FILE NO.	
DATE:	11/06/11
DRAWING SCALE:	
HORIZ. MTS	
VERT. MTS	
SHEET No.	7 OF 7