

GENERAL CONSTRUCTION

- 1. Construct wastewater collection systems, water lines, storm drainage and street paving in accordance with the latest edition of the publication Standard Construction Specifications For Wastewater Collection Systems, Water Lines, Storm Drainage, and Street Paving and Standard Construction Details For Wastewater Collection Systems, Water Lines, Storm Drainage, and Street Paving published by the City of Houston, Department of Public Works and Engineering.
2. Utilities presented on these drawing are shown based on the best available information. Contractor shall verify the exact locations in the field prior to commencing construction.
3. Contractor shall be responsible for damages to existing water, wastewater, storm water lines and traffic control devices.
4. Contractor shall notify the Office of the City Engineer, Department of Public Works and Engineering at 713-863-1450 for inspection at least 48 hours prior to commencing construction.
5. Adequate drainage shall be maintained at all times during construction and any drainage ditch or structure disturbed during construction shall be restored to existing conditions or better.
6. Contractor shall comply with latest edition of OSHA regulations and the State of Texas laws concerning excavation, trenching and shoring.
7. This project shall be built by means of Auguring except as noted on the drawings. Contractor to determine the locations of bore pits in field subject to the City Engineer's approval.
8. The sizes of water meters shown but not specifically called out in this project are one inch or smaller standard City of Houston water meters. All other sizes larger than one inch are specifically called out on these drawings.
9. Temporarily relocate existing utilities in conflict with proposed construction as required to provide continuous service by the utility. After construction return utility to original location.
10. Obtain Engineer's prior approval to permanently relocate existing utilities not shown on the drawings. Conform to applicable standards and specifications.
11. The location of underground utilities are shown in an approximate way. Pre-locate, by whatever means may be required, (metal detection equipment, probes, excavation, survey) underground utilities before trenching. Perform repairs required after investigation. No separate pay item. Contractor agrees to be fully responsible for any and all damages which might be caused by his failure to exactly locate and preserve these underground utilities.
12. Test materials to be used for backfill and adjust moisture content to specified levels by adding water or drying soils as necessary and as specified.
13. Perform daily clean-up in affected construction areas in order to restore site to existing or better conditions. Areas should be free of debris, scrap material, dirt, mud and other items identified by City Engineer. Do not leave streets or other construction areas unclean overnight.

SURVEY AND BENCH MARK REFERENCE

- 1. Dimensions shown are approximate and are to be verified. Horizontal and vertical alignment changes are to be approved by City Engineer.
2. Coordinates shown are referenced to Texas Coordinate System, South Central Zone. Distances shown are surface distances.
3. Vertical control is set primarily by PK nails in existing pavement. Maintain vertical control throughout duration of project by whatever means necessary.

TREE AND LANDSCAPE PROTECTION

- 1. In areas where existing landscaping requires removal due to proposed improvements, contact Engineer and obtain desired location to relocate within R.O.W. Relocate in accordance with specifications. Take necessary precautions to protect root systems of shrubs, plants and trees along the area of excavation.

SANITARY NOTES

- 1. Sanitary sewer gravity lines shall be constructed in accordance with the appropriate specification item.
2. PVC fittings shall be constructed in accordance with the appropriate specification item. PVC fittings shall meet the requirements of ASTM D-3034 Service connection pipe and fittings shall be PVC Sch. 40.
3. Contractor shall maintain the integrity of the existing sewer system during construction.
4. The Contractor shall be aware that there may be service connections in existence which do not appear on these drawings. It is the Contractor's responsibility to locate all existing services and laterals and reconnect them per details & specifications. All 8"-15" diameter Sanitary sewer lines shall be constructed as per COH specifications.

STORM SEWER AND CULVERTS

- 1. Where plans call for existing storm sewers to be removed, Engineer may direct Contractor to abandon existing storm sewer in place in order to protect trees, landscaping or other items.

WATER NOTES

- 1. Wet connections are to be coordinated with the City in such a manner and at such hours as to cause the least inconvenience to the public.
2. All water line fittings shall have mechanical joints (except where noted).
3. Contractor shall maintain the integrity of the existing water lines during construction, including service lines. Following construction, testing, and disinfection of new water lines.
4. Contractor may deflect water lines slightly to avoid conflicts with utilities or other obstruction. Contractor to verify depth of existing water line prior to installing proposed fire hydrant assembly. Contractor to keep accurate records of locations where water lines are deflected for required red line record print set. Such deflection shall be within the limits allowed and recommended by the Manufacturer of the pipe.
5. Contractor is to install temporary blow-off valves as required to flush the newly constructed water line for chlorination and testing. Blow-off valve shall be removed by the Contractor upon successful completion of all testing. (No separate pay).
6. Contractor to allow 12-inch minimum clearance between proposed water lines and other facilities unless otherwise noted. For clearance of sanitary sewer facilities use or Texas Commission on Environmental Quality (TCEQ) criteria.
7. Water service lines exist within the street right of way throughout the contract limits. Contractor shall avoid disruption of water service. Where existing water service lines are damaged by the Contractor, Contractor shall replace the service line at no extra cost to the owner.

MISCELLANEOUS

- 1. Adjustment of existing and proposed manhole frames and covers, valve boxes, etc. is incidental to cost of installation and removal of temporary or permanent pavement.
2. Adjust manhole rings, valve boxes, grates, etc. as required for new pavement, and/or to finished grade outside pavement. No separate pay.
3. Perform critical location procedures at gas line, telephone, and communications cable or conduit locations shown on Drawings, whether or not they are labeled as "Critical locations".

STREET, BRIDGE AND R.O.W.

- 1. Condition of road and/or right of way, upon completion of job, shall be as good or better than prior to starting work.
2. Expose 15" of reinforcing steel at proposed sawed joint. If no reinforcing steel exists, use horizontal dowels that are #6 bars, 24" long, 24" C-C drilled and embedded 8" into center of existing slab with "Po Roc" or equal. (No additional cost)
3. Replace existing pavements, curbs, sidewalks and driveways damaged or removed during construction to City of Houston standards, latest addenda and amendments thereto.
4. Take necessary precautions to protect root systems of shrubs, plants and trees along the area of excavation.

LIMITS OF CONSTRUCTION

- 1. Limit operations to within confines of City Right of Way and easements or construction work limits shown on drawings. Unless otherwise noted following more specific terms apply and are to be adhered to:
A. When tunneling or augering is shown on plans, access (open cut) from surface is denied. Exceptions to these restrictions are for emergency situations where action is required to safe guard the work in progress or other existing utilities. In this case, the Engineer is to be immediately notified of additional traffic control procedures that will be implemented and any other necessary actions that will be taken until situation has been rectified.

TRAFFIC NOTES

- 1. Contractor shall provide and install Traffic control Devices in Conformance with PART VI of the Texas Manual on Uniform Traffic Control Devices (Texas Match, most Recent Edition with Revisions) during construction.
2. Contractor shall obtain Lane Closure Permits when Lane Closure are required. Requests must be made at least Three Days prior to the date of which Closure is Sought. Call 713-657-7280 for an Application.
3. Contractor shall Cover Excavations with Adequately Anchored Steel Plates During Non-Working hours and open land for Traffic Flow.
4. If Contractor choose to use a different Method of "Traffic Control Plans" During Construction than what is outlined in the Traffic Control Plan or if (s)he Desires to block a lane for which no Traffic Control Plan was Submitted, (s)he shall be Responsible to submit an Alternate set of Traffic Control Plans on Reproducible Mylars sealed and signed by a Professional Engineer Licensed by the State of Texas, with the Approved set of Drawing to Plans Review Section for Approval 10 working Days prior to Implementation.
5. Approved Copies of "Traffic control Plans" and lane Closure Permits shall be Available for Inspection at Job Site at all Times.

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

Contractor shall notify the City of Houston, Department of Public Works and Engineering, Engineering Construction Division (Telephone No. 713-863-1450) 48 hours before starting work on this Project.

THIS PROJECT INCLUDES WORK TO BE PERFORMED IN THE CITY OF HOUSTON'S RIGHT-OF-WAY AND MUST BE PERMITTED PRIOR TO CONSTRUCTION CONTACT THE REQUIRED SECTIONS BELOW AS INDICATED

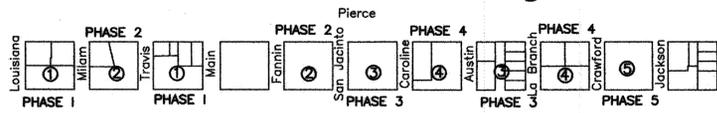
LOCATION - 3300 MAIN PAVING 713-535-7579 SANITARY 713-535-7885 WATER 713-535-7885 STORM 713-535-7579

LOCATION - 611 WALKER STREET CUT 713-837-0546

Construction Sequence shall be coordinated and approved with COH and Consulting Engineer. No two adjacent Parking sites shall be in construction simultaneously. Construction sites shall be addressed alternately allowing continuous access to Parking and traffic flow.

Example:

Construction Phasing



SBC FACILITIES

- 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 which might be occasioned by this failure to exactly locate and preserve these underground utilities.
The Contractor shall call 1-800-344-8377 a minimum of 48 hours prior to construction to have underground lines field located.
When excavating within eighteen inches (18") of the indicated location of SBC facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring the Contractor shall expose the SBC facilities.
When SBC facilities are exposed, the Contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the Contractor shall brace the pole for support.

CenterPoint Energy Gas

- CAUTION: UNDERGROUND GAS FACILITIES
Locations of CenterPoint Energy main lines (to include Unit Gas Transmission and/or Industrial Gas Supply Corporation where applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicated that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The Contractor shall contact the Utility Coordinating Committee at (713) 223-4567 or 1-800-669-8344 a minimum of 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 (7:00 a.m. to 4:30 p.m.) for status of line location request before excavation begins.
When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.
When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities 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.

CenterPoint Energy Power

- 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 the Contractor should locate them prior to beginning any construction. Texas law, section 752, Health & Safety Code, forbids all activities in which persons or things MAY come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including Contractors, are legally responsible for safety of construction workers under this law. This law carries both criminal and civil liability. To arrange for lines to be turned off or removed, call CENTERPOINT ENERGY at 713-207-7777.

TIME WARNER CABLE

- NOTE:
The location of Time Warner Cable utilities are shown in an approximate way only. Notify Texas One Call @ 713-223-4567 or 1-800-669-8344, 48 hrs. prior to starting construction to locate lines. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve these underground utilities.

Metro

Before Starting Construction Mr. Paul Weisser Of Metro Shall Be Contacted At 713-615-7223 (Office) Or 281-352-1500 (Cell).

Phonoscope

Before Starting Construction Mr. John Puente Of Phonoscope Shall Be Contacted At 832-615-7723 (Office) Or 281-830-2780 (Cell).

MCI Network Services, Inc.

Before Starting Construction Mr. Clay Braux Of MCI Communications Shall Be Contacted At 281-901-3309 (Office).

ISSUE LOG

Table with columns: NO., DATE, DESCRIPTION

CONSULTANT(S):
C&M
CLAUNCH & MILLER, INC.
Engineering Consultants
4635 Southwest Freeway, Suite 1000 • Houston, Texas 77027
713-622-9264 • Fax: 713-622-9265 • www.claunchmiller.com

SEAL(S):
Professional Engineer Seal for Guillermo I. Salcedo, License No. 96469, dated 19 May 08.

PROJECT NAME:
HOUSTON-PIERCE ELEVATED AND LOT "C" PARKING LOT IMPROVEMENTS

CITY OF HOUSTON
GENERAL SERVICES DEPARTMENT

REVIEWED:
PROGRAM MANAGER _____ SPONSORING DEPARTMENT _____

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-7777.

PRIVATE UTILITY LINES SHOWN
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION 713-223-4567.
Signatures and dates for various utility locators.

SHEET TITLE:
GENERAL NOTES

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

FILE NO: _____ FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE
HORZ: NA
VERT: NA
SHEET No: 2 OF 29

CITY DWG. NO.: _____ REVISED JAN 2006