# CITY OF FORT WORTH

## WASTEWATER UTILITY RELOCATION

Greenway/Pharr Area (Fort Worth, TX)

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SECTION 01 - GENERAL REQUIREMENTS

GENERAL:


SECTION 02 - EXCAVATION REQUIREMENTS

GENERAL:

2. ALL EXCAVATIONS WHICH ARE OPEN OR CUT WITH貓 ARE AT LEAST A TEMPORARY TRAFFIC CONTROL APPROVED BY FORT WORTH, TEXAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND PROTECTION OF ANY EXISTING UTILITIES, ELEVATORS, AND OTHER EQUIPMENT FROM DAMAGE DURING THE PERFORMANCE OF THE WORK. AFTER THE COMPLETION OF THE WORK, THE OWNERSHIP OF SUCH UNDERGROUND FACILITIES SHALL PASS TO THE CONTRACTOR FOR THE SAFETY AND PROTECTION THEREOF.


1. Location of existing utilities shown are approximate Contractor shall fully verify horizontal and vertical locations and ownership of all existing utilities prior to any construction. The Contractor shall notify all existing utility companies or owners. A week of notice shall be permitted prior to performing any work in this area. Contractor shall coordinate construction activities with other utilities that are being affected.

2. The Contractor shall not operate water main valves until the Contractor shall coordinate with the City of Fort Worth all business days prior to any construction. The Contractor shall notify all existing utility companies or owners. A minimum of 48 hours shall be permitted prior to performing any work in this area. Contractor shall coordinate construction activities with other utilities that are being affected.

3. It is the Contractor's responsibility to maintain clear and accurate plans and records. The Contractor is responsible for maintaining adequate site drainage throughout the duration of the project. The Contractor is responsible for obtaining all necessary permits and approvals before construction begins. Prior to excavation for new piping, the Contractor shall be responsible for verifying the location of all existing piping and utilities in the construction area. The Contractor shall perform the inspections and coordinate with other utilities as required for construction of new lines and reestablish lines as required at no additional cost to the Owner.

4. The Contractor shall not place fill or waste materials on any private property without written permission from the property owner. The Contractor shall be responsible for any costs or damage incurred to private property, including, but not limited to, trees, grass, sidewalks, driveways, and other permanent features. The Contractor shall be held responsible for any damage caused to private property and shall repair and replace any damaged features.

5. The Contractor shall be responsible for ensuring that all debris is removed from the site in a timely manner. The Contractor shall be responsible for cleaning and restoring the area to its original condition at no additional cost to the Owner.

6. The Contractor shall be responsible for ensuring that all excavation work is performed safely and in accordance with all applicable regulations. The Contractor shall be responsible for ensuring that all excavation work is performed safely and in accordance with all applicable regulations.

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25. The Contractor shall be responsible for ensuring that all excavation work is performed safely and in accordance with all applicable regulations. The Contractor shall be responsible for ensuring that all excavation work is performed safely and in accordance with all applicable regulations.
GENERAL NOTES

1. ALL UTILITY INSTALLATIONS MUST MEET THE TEXAS UTILITY ACCOMMODATION RULES.
2. UTILITY ENCLOSURES ARE NOT ALLOWED IN WEATHER OR IF THE PAYMENT IS NOT ON TIME OR IF THE PAYMENT IS NOT ON TIME.
3. Field crews are not allowed to permit their vehicles within the utility ROW.
4. UTILITY ROADS MUST BE KEPT CLEAN OF CONSTRUCTION RELATED DIRT AND DEBRIS AT ALL TIMES.
5. CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITY LINES THAT OPERATE UTILITY SERVICE LINESだけでやるためのものや帯電的なものあるいは構造的なもの。Contractor must coordinate with utility companies and local authorities.
6. CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY ENCLOSURES.
7. UTILITY ENCLOSURES MUST BE DETAILED IN A MANNER THAT IS EASY TO IDENTIFY AND IN ACCORDANCE WITH TEXAS STANDARDS.
8. UTILITY ENCLOSURES MUST BE CLEANED UP AS SOON AS POSSIBLE TO SATISFY THE SATISFACTION OF THE OWNER.
9. CONTRACTOR SHALL INFORM THEIR PERSONS THAT ALL UTILITY INSTALLATIONS AUTHORIZED BY THE CONTRACTOR ARE SUBJECT TO INSPECTION AND TESTING AS MAY BE DEEMED NECESSARY BY THE CONTRACTOR.
10. CONTRACTOR MUST FOLLOW PROCEDURES AND THE MANNERS AS SPECIFIED IN THE CONTRACT.
11. CONTRACTOR MUST FOLLOW THE MANNERS AS SPECIFIED IN THE CONTRACT.

ENVIRONMENTAL NOTES:

1. CONTRACTOR MUST CONFORM TO ENVIRONMENTAL PERMIT ISSUES AND CONFORM TO ENVIRONMENTAL PROTECTION PLAN ISSUES AND APPROVED ENVIRONMENTAL PROTECTION PLAN ISSUES.
2. THE CONTRACTOR MUST ACCESS ALL PRIVATE PROPERTY.
3. CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITY ENCLOSURES FOR ANY UTILITY INSTALLATIONS AUTHORIZED BY THE CONTRACTOR.
4. CONTRACTOR MUST COORDINATE WITH UTILITY COMPANIES AND LOCAL AUTHORITIES.
5. CONTRACTOR MUST FOLLOW THE MANNERS AS SPECIFIED IN THE CONTRACT.
6. CONTRACTOR MUST FOLLOW THE MANNERS AS SPECIFIED IN THE CONTRACT.
7. NO PERMANENT ENCLOSURES SHALL BE PLACED IN THE LINING OF THE CONSTRUCTION.
8. ALL UTILITY ENCLOSURES MUST BE CLEANED UP AS SOON AS POSSIBLE TO SATISFY THE SATISFACTION OF THE OWNER.
9. CONTRACTOR MUST FOLLOW THE MANNERS AS SPECIFIED IN THE CONTRACT.
10. CONTRACTOR MUST FOLLOW THE MANNERS AS SPECIFIED IN THE CONTRACT.

TRAFFIC CONTROL NOTES:

1. ALL TRAFFIC CONTROL SET UPS MUST BE IN ACCORDANCE WITH THE APPLICABLE SECTION OF TEXAS.
2. ALL TRAFFIC CONTROL SET UPS MUST BE IN ACCORDANCE WITH THE APPLICABLE SECTION OF TEXAS.
3. ALL TRAFFIC CONTROL SET UPS MUST BE IN ACCORDANCE WITH THE APPLICABLE SECTION OF TEXAS.
4. ALL TRAFFIC CONTROL SET UPS MUST BE IN ACCORDANCE WITH THE APPLICABLE SECTION OF TEXAS.
36"/24" DRILLED SHAFT (TYP) REFERENCE TO TxDOT STD FOR D.S. DETAILS

SS MANHOLE ESTIMATED D.S., LENGTH

<table>
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<th>MH NO.</th>
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<th>SOCKET LENGTH (in)</th>
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D) Proposed D.S. Length from deepest point of Manhole.

NOTES:

1. CONTRACTOR SHALL CLOSELY MONITOR THE DRILLED SHAFT PLACEMENT FOR ANY UNUSUAL MOVEMENTS OR SETTLEMENTS ONCE PIERS ARE PLACED TO BUILD THE CONCRETE PAD, THEN ALL DETAILS SHALL BE INFORMED FOR FURTHER EVALUATION.

2. CONTRACTOR TO CAREFULLY MOVE THE DRY TO MAKE ROOM FOR INSTALLATION OF DRILLED SHAFT STEEL CAGES WITH STEEL CASING.

3. BOTTOM OF DRILLED SHAFT SHALL BE A MINIMUM OF SOCKET LENGTH FEET INTO ROCK MATERIAL.

4. TOP OF DRILLED SHAFT TO BE PERFECTLY LEVEL FOR THE INSTALLATION OF THE CONCRETE SLAB AND THE MANHOLE ITSELF.

5. DRILLED SHAFT CONSTRUCTION PER TxDOT STANDARDS.

6. CONCRETE SHALL BE F.C. = 3600 PSI AND GRADE 60 STEEL REINFORCEMENT.

7. DRILLED SHAFT REINFORCING BARS (VERTICAL) SHALL STOP 2' FROM TOP OF DRILLED SHAFT SURFACE.

8. DRILL AND EPOXY GROUT WITH ULTRABOND 2250 4# 6 BAR 1/2" INTO EACH PIER.

9. SPIRAL AT 6" PITCH ONE AND A HALF PLT TOP AND BOTTOM.

10. 8" 6# 3 SPIRAL AT 6" PITCH ONE AND A HALF PLT TOP AND BOTTOM.

11. 36" 6# 3 SPIRAL AT 6" PITCH ONE AND A HALF PLT STEEL CASING.
NOTES:

1. Advance warning signs spacing shall be per Table 9.9.1 of the Texas Manual on Uniform Traffic Control Devices (TMUCTD).

2. Advance warning signs that are installed for the project shall remain in place.

3. All signs and traffic control devices shall be installed per current and updated standards and specifications.

4. The location of signs shown on the plan sheet are approximate and can be adjusted to best fit field conditions. Exact locations to be determined by the engineer in the field.

5. This plan cannot be implemented without prior written approval from the City of Fort Worth.

6. Gateway access to all businesses shall remain open during construction unless otherwise agreed upon by the businesses.

7. All businesses shall be communicated with regard to the closure of EB Pharr Street in advance of utility construction.

8. Zone way with no left turns and no thru traffic. Right turn only. Shall be installed at the affected intersections on either side of Pharr Street.

9. This plan sheet to be used in conjunction with Sheet No. 43 of this plan set.

10. A minimum of 15 feet shall be maintained from the edge of the travel lane to the face of the Low Profile Concrete Barrier.
NOTES:
1. LAWRENCE WARNING SIGN SPACING SHALL BE PER TABLE 12-5 OF THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. ADVANCE WARNING SIGNS THAT ARE INSTALLED FOR THE PROJECT SHALL REMAIN IN PLACE.
3. ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER TxDOT AND MUTCD STANDARDS AND SPECIFICATIONS.
4. THE LOCATION OF SIGNS SHOWN ON THE PLAN SHEET ARE APPROXIMATE AND CAN BE ADJUSTED TO FIT FIELD CONDITIONS. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
5. SIGNS TOPS CAN NOT BE REMOVED WITHOUT FIRST WRITTEN APPROVAL FROM THE CITY OF FORT WORTH.

6. DETOUR ACCESS TO ALL BUSINESSES SHALL REMAIN OPEN DURING CONSTRUCTION UNLESS OTHERWISE NOTED UPON BY THE CONTRACTOR.
7. ALL BUSINESSES SHALL BE COMMUNICATED WITH REGARDING THE CLOSURE OF EB PHARR STREET IN ADVANCE OF UTILITY CONSTRUCTION.
8. NIXON KM 5.1+00

9. THIS SHEET TO BE USED IN CONJUNCTION WITH TOP PLAN SHEET NO. 42 IN THIS PLAN SET.
10. THIS SHEET CANNOT BE IMPLEMENTED WITHOUT FIRST WRITTEN APPROVAL FROM CITY OF FORT WORTH AND/or TxDOT.

Polytechnic University of Catalonia
Greenway/Pharr Area (Fort Worth, TX)
Sewer Utility System Rehabilitation
DETOUR FOR EB PHARR ST.
CLOSURE BETWEEN MONTY ST.
AND SBF (PHASE I)

TOP-6 SHEET 27 OF 48

 Kane Dated: 2022-02-07

[Signatures and stamps related to the project details]
NOTES:
1. ADVANCE WARNING SIGN SPACING SHALL BE PER TABLE 6.4.4.3.1 OF THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (TMUCTD).
2. ADVANCE WARNING SIGNS THAT ARE INSTALLED FOR THE PROJECT SHALL REMAIN IN PLACE.
3. ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER VTE AND TMUCTD STANDARDS AND SPECIFICATIONS.
4. THE LOCATION OF SIGNS SHOWN ON THE PLAN SHEET ARE APPROXIMATE AND CAN BE ADJUSTED TO BEST FIT FIELD CONDITIONS. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
5. THIS TOP Cannot BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE CITY OF FORT WORTH.
6. CURRENToY ACCESS TO ALL BUSINESSES SHALL REMAIN OPEN DURING CONSTRUCTION UNLESS OTHERWISE AGREED UPON BY THE BUSINESSES.

ALL BUSINESSES SHALL BE COMMUNICATED WITH REGARD TO THE CLOSURE OF 4TH STREET AND IN CONSTRUCTION WITH SHEET NO. 48 OF THIS PLAN SET.

A MINIMUM OF 1 OFFICER SHALL BE MAINTAINED FROM THE EDGE OF THE TRAFFIC LANE TO THE FACE OF THE LOW PROFILE CONCRETE BARRIER.
NOTES:
1. WARNING SIGN SPACING SHALL BE PER TABLE 6.6 OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTC).
2. WARNING SIGNS THAT ARE INSTALLED FOR THE PROJECT SHALL REMAIN IN PLACE.
3. ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER TxDOT AND UNIFORM TRAFFIC CONTROL DEVICES (TMUTC) STANDARDS AND SPECIFICATIONS.
4. THE LOCATION OF SIGNS SHOWN ON THE PLAN SHEET ARE APPROXIMATE AND CAN BE ADJUSTED TO BEST FIT FIELD CONDITIONS. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
5. THIS SHEET CANNOT BE IMPLEMENTED WITHOUT WRITTEN APPROVAL FROM THE CITY OF FORT WORTH.
6. SYSTEM ACCESS TO ALL BUSINESSES SHALL REMAIN OPEN DURING CONSTRUCTION UNLESS OTHERWISE AGREED TO BY THE BUSINESSES.
7. ALL BUSINESSES SHALL BE COMMUNICATED WITH REGARD TO THE CLOSURE OF 1ST STREET IN ADVANCE OF UTILITY CONSTRUCTION.
8. ONE WAY WITH NO LEFT TURN AND NO RIGHT TURN SIGNS SHALL BE INSTALLED AT THE AFFECTED DRIVeways ON EITHER SIDE OF 1ST STREET.
9. THIS SHEET TO BE USED IN CONJUNCTION WITH TOP PLAN SHEET NO. 43 IN THIS PLAN SET.
10. THIS SHEET CANNOT BE IMPLEMENTED WITHOUT WRITTEN APPROVAL FROM THE CITY OF FORT WORTH AND/OR TxDOT.

LEGEND
- TRAFFIC FLOW ARROWS
- TYPE BARRIERS
- SIGN

FORT WORTH
Texas Department of Transportation

DESIGNED BY:

FIELDCHECKED BY:

POLYTECHNIC UNIVERSITY OF CATALONIA
Greenway/Hawthorne Area (Fort Worth, TX)
Sewer Utility System Relocation

DO DETOUR FOR VP 1ST ST CLOSURE BETWEEN 4TH AND NB 1ST
FOR UTILITY WORK

NOT TO SCALE

1044 SHEET 48 OF 48

FORT WORTH

FORT WORTH

FORT WORTH