GENERAL

1. THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE PLANS AND WHAT EXISTS IN THE FIELD, CONTRACTOR IS TO NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY.

2. WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING ARE DESIGNED IN ACCORDANCE WITH JEFFERSON COUNTY GUIDELINES.

3. EXISTING UTILITY INFORMATION SHOWN IS NOT GUARANTEED TO BE ACCURATE AND ALL INCLUSIVE. ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR IN ADVANCE OF CONSTRUCTION. CONTRACTOR SHALL VERIFY THE INVERT, AND/OR FLOW LINE ELEVATIONS OF POINTS OF CONNECTIONS PRIOR TO THE COMMENCEMENT OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND OTHER FACILITIES. ANY CONFLICT OR DISCREPANCY DISCOVERED MUST IMMEDIATELY BE BROUGHT TO THE ENGINEER'S ATTENTION.

4. CONTRACTOR SHALL NOTIFY TEXAS ONE CALL AT (800) 245-4545 A MINIMUM OF 48 HOURS PRIOR TO PROCEEDING WITH ANY EXCAVATION.

5. THE CONTRACTOR IS REQUIRED TO COMPLY WITH THE LATEST EDITION OF THE OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.

6. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.

7. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO EXISTING WATER, WASTEWATER, STORM WATER LINES AND TRAFFIC CONTROL DEVICES. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE JEFFERSON COUNTY, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING'S "STANDARD CONSTRUCTION SPECIFICATIONS" REFERENCED ABOVE, AT NO COST TO OWNER.

8. ANY DAMAGE TO ANY OF THE EXISTING PAVEMENT AND/OR UTILITIES MUST BE REPAIRED IMMEDIATELY. THE CONTRACTOR MUST NOTIFY THE APPROPRIATE UTILITY OWNER, WHO WILL MAKE THE REPAIRS AT THE CONTRACTOR'S EXPENSE.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SHIPPING OF ALL MATERIALS. THE LOADING AND UNLOADING OF ALL PIPE, VALVES, HYDRANTS, MANHOLES AND OTHER ACCESSORIES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDED PRACTICES AND SHALL BE AT ALL TIMES PERFORMED WITH CARE TO AVOID ANY DAMAGE TO THE MATERIAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE SUCH MATERIAL AT THE POINT OF DELIVERY AND TO REJECT ALL DEFECTIVE MATERIAL. THE DEFECTIVE MATERIAL MUST BE REPLACED WITH SOUND MATERIAL.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STORAGE OF MATERIAL AND EQUIPMENT IN A SAFE AND WORKMANLIKE MANNER TO PREVENT INJURIES, DURING AND AFTER WORKING HOURS UNTIL PROJECT COMPLETION. THERE SHALL BE NO PAYMENT MADE TO CONTRACTOR FOR STORED MATERIAL.

11. THE WORK AREA SHALL BE BARRICADED AND ILLUMINATED DURING DARKNESS AND PERIODS OF INACTIVITY, WHEN IN AN AREA OF DIRECT PUBLIC ACCESS.

12. ACCESS TO ALL EXISTING STREETS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.

13. GUIDELINES 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 FLAG MEN, SIGNING, STRIPING AND WARNING DEVICES, ETC., DURING CONSTRUCTION – BOTH DAY AND NIGHT.

14. CONTRACTOR SHALL NOT PERFORM ANY WORK WITHIN AREA DELINEATED AS WETLANDS UNTIL ALL NECESSARY PERMITS ARE APPROVED.

15. NO CONNECTIONS SHALL BE MADE TO EXISTING WATER LINES OR SANITARY SEWERS UNTIL ALL PROPOSED LINES HAVE BEEN THOROUGHLY CLEANED AND TESTED. OBTAIN APPROVAL BY THE ENGINEER.

16. FINAL APPROVAL BY OWNER'S REPRESENTATIVE OF GRADING ADJACENT TO BUILDING REQUIRED PRIOR TO INSTALLATION OF LANDSCAPING MATERIALS. COORDINATE WITH LANDSCAPE ARCHITECT TO ENSURE POSITIVE DRAINAGE.

17. 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.

18. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE AND POSITIVE DRAINAGE AT ALL TIMES DURING CONSTRUCTION OF PROPOSED FACILITIES. NATURAL GROUND ADJACENT TO UTILITY TRENCH EXCAVATION TO BE GRUBBED PRIOR TO REPLACEMENT OF EXCESS TRENCH MATERIAL. NO SEPARATE PAYMENT.

19. IN ORDER TO COMPLY WITH TEXAS ACCESSIBILITY STANDARDS, THE CONTRACTOR SHALL ENSURE THAT THE SLOPE OF SIDEWALK AND/OR PAVING WITHIN THE A.D.A. PATH DOES NOT EXCEED 2% IN ANY DIRECTION EXCEPT A.D.A. APPROVED RAMPS AND SHALL NOT EXCEED 5% ALONG DIRECTION OF PATH.

20. SURFACE RESTORATION: AT THE END OF ALL CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL RESTORE THE EXISTING FACILITIES AND ALL SPOIL MATERIAL, VEGETATION & DEBRIS SHALL BE HAULED AND DISPOSED OF OFF SITE, I.E., THE PROPERTY, SHALL BE MADE EQUAL TO OR BETTER THAN EXISTING SITE CONDITION PRIOR TO CONSTRUCTION.

21. CONTRACTOR SHALL HYDROMULCH SEED ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN ON ARCHITECTS/LANDSCAPE ARCHITECTS PLANS.

22. CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY, THROUGHOUT CONSTRUCTION OF THIS PROJECT, SHALL BE AS GOOD OR BETTER THAN CONDITION PRIOR TO STARTING WORK BY CONTRACTOR.

23. 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.

24. IF THE CONSTRUCTION DOES NOT BEGIN WITHIN A YEAR AFTER THE PLANS HAVE BEEN SIGNED, NEW SIGNATURES MUST BE OBTAINED AND LETTERS OF AVAILABILITY MUST BE UPDATED.

25. 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 INSTALLATION OF ALL GRAVITY FLOW PIPES SHALL BEGIN AT THE OUTFALL OR CONNECTION TO THE EXISTING SYSTEM AND PROCEED UPSTREAM. IF ANY DISCREPANCY FROM THE PLAN IS FOUND, THE CONTRACTOR IS TO NOTIFY WD ENGINEERING BEFORE PROCEEDING FURTHER.

PAVING

1. GUIDELINES SET FORTH IN THE TEXAS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AS CURRENTLY AMENDED, SHALL BE OBSERVED.

2. EXISTING PAVEMENTS, CURBS, SIDEWALKS AND DRIVEWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED TO JEFFERSON COUNTY STANDARDS.

3. PAVING CONSTRUCTION SHALL BE IN ACCORDANCE WITH JEFFERSON COUNTY STANDARDS AND CIVIL DETAIL SHEETS AND PER THE SOILS REPORT.

4. CONTRACTOR SHALL BLOCK OUT (SQUARE) AROUND ALL INLETS AND MANHOLES IN PROPOSED PAVING.

5. REFER TO GRADING PLAN FOR PAVING THICKNESSES. SEE DETAIL SHEET AND GEOTECH REPORT FOR TYPICAL SECTIONS AND REINFORCING DETAIL.

6. EXPANSION JOINT SHALL BE PLACED AT THE END OF EACH CURB RETURN AND AS SPECIFIED IN THE GEOTECH REPORT.

GEOTECHNICAL

1. ALL GRADING/BACKFILL/COMPACTION SHALL BE IN ACCORDANCE WITH THE SOILS REPORT AND ANY ADDENDUMS THERETO. SOILS REPORT SHALL BE OBTAINED FROM OWNER.

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

3. ALL AREAS TO BE FILLED ARE TO BE FREE OF VEGETATION, DEBRIS, PONDING WATER, LOOSE SOILS, MUD & MUCK. CLEARING, GRUBBING AND STRIPPING OF SITE SHALL BE PER GEOTECHNICAL REPORT.

4. ALL FILL SHALL BE COMPACTED IN 8" LIFTS, 95% STANDARD PROCTOR DENSITY.

5. THE BUILDING AND PAVEMENT AREAS SHOULD BE CLEARED OF ALL PAVEMENT COMPONENTS AND ANY OTHER DEBRIS. ALL UTILITIES AND ASSOCIATED BEDDING MATERIAL THAT ARE PLANNED TO BE ABANDONED SHOULD BE COMPLETELY REMOVED FROM PROPOSED CONSTRUCTION AREAS. THE LOOSENED SOILS SHOULD BE MOISTURE CONDITIONED IF NECESSARY AND COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR (ASTM D 698) MAXIMUM DRY DENSITY TO WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT. THE EXPOSED SOIL SUBGRADE AREA SHOULD BE PROOF ROLLED WITH A PNEUMATIC ROLLER TO DETECT WEAK AREAS ONCE FINAL SUBGRADE ELEVATIONS HAVE BEEN ACHIEVED THROUGHOUT THE SITE. WEAK AREAS DETECTED DURING PROOF ROLLING, AS WELL AS ZONES OF DEBRIS AND ORGANICS SHOULD BE REMOVED AND REPLACED WITH SOILS EXHIBITING SIMILAR CLASSIFICATIONS, MOISTURE CONTENT, AND DENSITY AS THE ADJACENT IN-SITU SOILS. SUBSEQUENT TO PROOF ROLLING, AND JUST PRIOR TO PLACEMENT OF FILL, THE EXPOSED SUBGRADE SHOULD BE MOISTURE CONDITIONED AND COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DENSITY (ASTM D 698) WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT. GRADE ADJUSTMENTS WITHIN THE BUILDING AREA SHOULD BE ACCOMPLISHED WITH SELECT FILL COMPOSED OF CLEAN, SANDY CLAY (NOT SILTY) WITH A PLASTICITY INDEX RANGING BETWEEN 10 AND 20 PERCENT. ALL SELECT FILL SHOULD BE PLACED ON PREPARED SURFACES IN LIFTS NOT TO EXCEED EIGHT INCHES LOOSE MEASURE, WITH COMPACTED THICKNESS NOT TO EXCEED SIX INCHES. THE SELECT FILL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE ASTM D 698 MAXIMUM DRY DENSITY AT A MOISTURE CONTENT WITHIN 2 PERCENT OF OPTIMUM. IN PAVEMENT AREAS, ON-SITE SOILS MAY BE CONSIDERED FOR GRADE ADJUSTMENTS PROVIDED THEY ARE FREE OF ORGANICS AND DEBRIS. THE ON-SITE SOILS SHOULD BE MOISTURE ADJUSTED TO WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR (ASTM D 698) MAXIMUM DRY DENSITY.

6. CONTRACTOR TO REFERENCE SOILS REPORT PROVIDED BY CLIENT AND FOLLOW MINIMUM REQUIREMENTS SET FOR IN REPORT FOR PAVEMENT AND BACKFILL INCLUDING CONCRETE STRENGTH, REINFORCING STEEL SIZE AND SPACING, AND STABILIZATION REQUIREMENTS.

PRIVATE UTILITIES

NOTICE
THE CONTRACTOR SHALL CONTACT TEXAS ONE CALL AT (800) 245-4545 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.

CAUTION: TELEPHONE CABLES

THE LOCATION OF TELEPHONE 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 HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.

WHEN TELEPHONE LINE MARKINGS ARE NOT VISIBLE, CALL (800) 245-4545 FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.

WHEN EXCAVATING WITHIN EIGHTEEN (18) IN OF THE INDICATED LOCATION OF TELEPHONE FACILITIES, ALL EXCAVATIONS MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES. WHEN BORING THE CONTRACTOR SHALL EXPOSE THE TELEPHONE FACILITIES.

WHEN TELEPHONE FACILITIES ARE EXPOSED, THE CONTRACTOR SHOULD PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.

CAUTION: UNDERGROUND GAS FACILITIES

LOCATION OF GAS 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 INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES NOT IMPLY THAT A CONFLICT ANALYSIS HAS BEEN MADE.

WHEN GAS PIPE LINE MARKINGS ARE NOT VISIBLE, CALL (800) 245-4545 FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.

WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF GAS FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.

WHEN GAS 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.

CAUTION: 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 ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH AND 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 THE 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 THE APPROPRIATE OWNING AUTHORITY.

CONTRACTOR SHALL NOTIFY TEXAS ONE CALL AT (800) 245-4545, JEFFERSON COUNTY, HARRIS COUNTY, AND TXDOT A MINIMUM OF 48 HOURS PRIOR TO PROCEEDING WITH ANY WORK IN STREET RIGHT-OF-WAY OR EASEMENTS.

STORM SEWERS

1. STORM SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH JEFFERSON COUNTY STANDARD CONSTRUCTION SPECIFICATIONS, AS CURRENTLY AMENDED.

2. STORM SEWERS SHALL BE INSTALLED, BEDDED, AND BACKFILLED IN ACCORDANCE WITH JEFFERSON COUNTY DRAWINGS AND SPECIFICATIONS AS APPLICABLE UNLESS OTHERWISE SHOWN ON DRAWINGS.

3. ALL STORM SEWER MANHOLES SHALL BE CONSTRUCTED PER JEFFERSON COUNTY DETAILS AND SPECIFICATIONS UNLESS OTHERWISE SHOWN ON DRAWINGS OR IN DETAILS.

4. ALL PROPOSED STORM SEWER STRUCTURES SHALL BE REQUIRED TO HAVE A ONE (1) FOOT BASE CONSISTING OF COMPACTED CEMENT STABILIZED SAND (1-1/2 SACK CEMENT/C.Y.).

5. ALL PROPOSED PIPE STUB-OUTS FROM MANHOLES OR INLETS ARE TO BE PLUGGED WITH 8" BRICK WALLS UNLESS OTHERWISE NOTED.

6. STORM SEWER PIPE USED FOR CONNECTION TO STORM SEWER IN PUBLIC RIGHT-OF-WAY SHALL BE REINFORCED CONCRETE PIPE ASTM C-76, CLASS III, AND SHALL EXTEND TO FIRST INLET OR MANHOLE. ALL OTHER PRIVATE STORM SEWERS SHALL BE H.D.P.E. HANCOR SURE-LOK F477 OR APPROVED EQUAL AND BEDDED WITH CEMENT STABILIZED SAND PER VENDOR REQUIREMENTS. EMBEDMENT TO BE A MINIMUM OF 1' AROUND ENTIRE PIPE. PIPE GRADES ARE BASED ON CONCRETE PIPE TO PRODUCE THREE (3) FPS MINIMUM VELOCITY.

7. CONCRETE PIPE SHALL BE INSTALLED USING RUBBER GASKET JOINTS ONLY CONFORMING TO ASTM C443.

8. ALL SEWERS UNDER PROPOSED OR FUTURE PAVEMENT AND TO A POINT ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE BACKFILLED WITH 2 SACK CEMENT/C.Y. STABILIZED SAND TO THE BOTTOM OF THE PAVEMENT SUBGRADE. THE REMAINING DEPTH OF TRENCH SHALL BE BACKFILLED WITH SUITABLE EARTH MATERIAL IN 8 INCH LIFTS, WITH TESTS TAKEN AT 100 FOOT INTERVALS ON EACH LIFT, AND MECHANICALLY COMPACTED TO A DENSITY OF NOT LESS THAN 95% OF OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST (ASTM DESIGNATION D-698/AASHTO T99). MOISTURE CONTENT OF BACKFILL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CEMENT- STABILIZED SAND SPECIFICATION ASTM C33, LATEST EDITION.

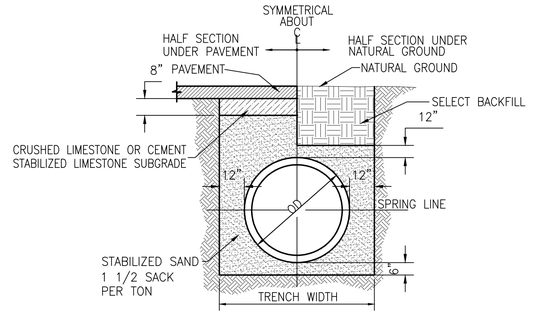
9. CULVERT TO BE SIZED AND GRADE SET BY CONTRACTOR IF NOT IDENTIFIED, ENGINEER APPROVAL REQUIRED PRIOR TO PLACEMENT.

10. "STM. S. E." INDICATES "STORM SEWER EASEMENT."

11. ANY STORM SEWER INSTALLED IN STATE RIGHTS-OF-WAY MUST BE EITHER CLASS IV OR CLASS IV RCP.

LEGEND

PROPOSED WATER LINE, GV&B WITH FLUSHING VALVE	
EXISTING WATER LINE, GV&B WITH FLUSHING VALVE	
PROPOSED SANITARY SEWER LINE & MANHOLE & CLEANOUT	
EXISTING SANITARY SEWER LINE & MANHOLE	
PROPOSED STORM SEWER LINE, TYPE C MH & INLETS	
PROPOSED TYPE C INLET	
EXISTING STORM SEWER LINE AND MANHOLE & INLETS	
NATURAL GROUND	
TOP OF WALL ELEVATION	TW 92.00
TOP OF CURB ELEVATION	TC 92.00
TOP OF SIDEWALK ELEVATION	TS 92.00
FINISHED GRADE ELEVATION	FG 92.00
TOP OF PAVEMENT ELEVATION	TP 92.00
GUTTER ELEVATION	G 92.00
HIGH POINT	HP 92.00
EXISTING RELIANT ENERGY CONDUIT	
EXISTING RELIANT ENERGY GAS LINE	
EXISTING RELIANT ENERGY UNDERGROUND STREET LIGHT CABLE AND LAMP	
EXISTING SPRINT TELEPHONE	
PROPOSED CATCH BASIN	
PROPOSED JUNCTION BOX	
CUMULATIVE FIXTURE UNITS	92
BUILDING FIXTURE UNITS	92
ONE JT C900 PVC CENTERED EACH WAY	
PROPOSED WATER METER	
PROPOSED BORE	
CLEAN OUT	CO
GRADE BREAK	GB



SECTION

TRENCH DETAIL – SANITARY/STORM PIPE

NOTES:

1.) WHERE WET SAND IS ENCOUNTERED, REINFORCED CONCRETE PIPE SEWERS SHALL BE CONSTRUCTED USING APPROVED SPECIAL DESIGN AS SHOWN ON THE DRAWINGS.

2.) MAX TRENCH WIDTH SHALL NOT BE GREATER THAN MIN. TRENCH WIDTH PLUS 24 INCHES, UNLESS OTHERWISE NOTED.

3.) STABILIZED SAND 1 1/2 SACK PER TON.

4.) CRUSHED LIMESTONE OR CEMENT STABILIZED LIMESTONE SHALL BE COMPACTED TO 95% STANDARD PROCTOR.

CITY OF EL CAMPO

1. CONTRACTOR TO OBTAIN ALL APPROVALS AND PERMITS REQUIRED BY THE CITY OF EL CAMPO, TEXAS PRIOR TO STARTING CONSTRUCTION. WD ENGINEERING IS NOT RESPONSIBLE FOR ISSUES ARISING FROM UNPERMITTED CONSTRUCTION.

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EXPRESS ENERGY SERVICES
EL CAMPO, TEXAS

REVISIONS:

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