

GENERAL NOTES

GENERAL

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE CITY OF ROCKWALL WHICH ADOPTED THE STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION, NORTH CENTRAL, TEXAS, (COG) WITH SOME MODIFICATIONS. COPIES MAY BE OBTAINED FROM THE "NORTH CENTRAL COUNCIL OF GOVERNMENTS", P.O. DRAWER COG, ARLINGTON, TEXAS 76005-5888. PH (817) 461-3300.
- UNLESS OTHERWISE NOTED, ALL MATERIAL AND CONSTRUCTION SHALL CONFORM TO APPLICABLE SPECIFICATIONS OF THE CITY OF ROCKWALL WITH AMENDMENTS - THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION".
- CONTRACTOR SHALL OBTAIN ALL CONSTRUCTION PERMITS REQUIRED FROM THE CITY OF ROCKWALL PRIOR TO COMMENCEMENT OF WORK.
- CITY OF ROCKWALL IS TO BE NOTIFIED 48 HOURS IN ADVANCE OF ALL CONSTRUCTION BY TELEPHONE (972-771-7790) FOLLOWED BY A LETTER OF CONFIRMATION.
- CONTRACTOR SHALL GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES AFFECTED BY THESE OPERATIONS PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL CONTACT THE CITY OF ROCKWALL AT (972) 771-7790 FOR THE OPERATION OF ALL WATER VALVES.
- THE LOCATION FOR THE DISPOSAL OF CONSTRUCTION MATERIAL SHALL BE APPROVED BY THE CITY OF ROCKWALL ENGINEERING DIVISION PRIOR TO THE START OF CONSTRUCTION OR DISPOSAL.
- THESE PLANS, PREPARED BY TURNER COLLIE & BRADEN INC. DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION, CONTRACTOR, OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF TURNER COLLIE & BRADEN INC.'S REGISTERED PROFESSIONAL ENGINEER(S) HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEM, INCLUDING THE PLANS AND SPECIFICATIONS REQUIRED BY THE HOUSE BILLS 662 AND 665 ENACTED BY THE TEXAS LEGISLATURE IN THE 70TH LEGISLATURE - REGULAR SESSION.
- SHEETING, SHORING AND BRACING: THE CONTRACTOR WILL ABIDE BY ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS GOVERNING EXCAVATION. TRENCH'S SIDE SLOPES SHALL MEET OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS THAT ARE IN EFFECT AT THE TIME OF CONSTRUCTION. SHEETING, SHORING AND BRACING WILL BE REQUIRED WHEN SIDE SLOPE STANDARDS ARE NOT MET. A TRENCH PULL BOX, MEETING OSHA STANDARDS, WILL BE ACCEPTABLE. THE APPARENT LOW BIDDER WILL SUBMIT DETAILED PLANS AND SPECIFICATIONS FOR TRENCH SAFETY SYSTEMS THAT MEET OSHA STANDARDS THAT ARE IN EFFECT AT THE TIME OF CONSTRUCTION WHEN TRENCH EXCAVATION WILL EXCEED A DEPTH OF FIVE (5) FEET. THESE PLANS WILL BE SEALED BY AN ENGINEER REGISTERED BY THE STATE OF TEXAS AND SUBMITTED TO THE CITY PRIOR TO FORMAL EXECUTION OF THE CONTRACT.

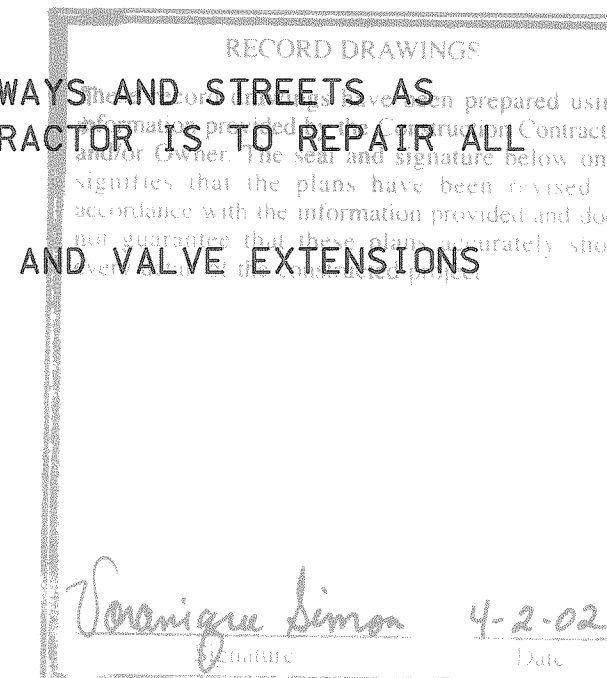
UTILITY

- THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THERE MAY BE OTHER UNKNOWN UTILITIES EXISTING NOT SHOWN ON THE PLANS THAT SHOULD BE VERIFIED AND PROTECTED BY THE CONTRACTOR PRIOR TO THE START OF THE CONSTRUCTION
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION OPERATIONS. ANY DAMAGE TO UTILITIES DONE BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE UTILITY OWNER AND THE CITY AT THE ENTIRE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY ENGINEERING INSPECTION 48 HOURS IN ADVANCE FOR ALL WATER OR WASTEWATER LOCATES OR TURNOFFS OF WATER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO:
 - PREVENT ANY DAMAGE TO PROPERTY OWNER'S POLES, FENCES, SHRUBS, ETC.
 - PROVIDE ACCESS TO ALL DRIVES DURING CONSTRUCTION
 - PROTECT ALL UNDERGROUND UTILITIES.
 - NOTIFY ALL UTILITY COMPANIES AND VERIFY LOCATION OF ALL UTILITIES PRIOR TO START OF CONSTRUCTION

TXU GAS COMPANY (972) 485-6277
 SOUTHWESTERN BELL (903) 457-2212
 NORTH CENTRAL CABLE COMM. (972) 771-0202
 TXU ELECTRIC (972) 216-8903
 SPRINT (972) 405-1953

CONSTRUCTION

- NO TREES SHALL BE CUT EXCEPT ON SPECIFIC APPROVAL BY THE CITY.
- THE CONTRACTOR SHALL REMOVE AND REPLACE EXISTING SHRUBS OR BUSHES IN DIRECT CONFLICT WITH THE PROPOSED FACILITIES AT NO EXTRA PAY.
- ALL FENCES, SIGNS, PROPERTY MONUMENTS, WATER AND SANITARY SEWER SERVICES OR CULVERTS REMOVED OR DAMAGED DURING CONSTRUCTION WILL BE REPLACED OR REPAIRED TO AS GOOD A CONDITION OR BETTER THAN THE EXISTING. EXTRA PAYMENT SHALL NOT BE MADE FOR THIS WORK UNLESS SPECIFIED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OUTSIDE THE DESIGNATED WORK AREA WITH EQUAL OR BETTER QUALITY MATERIAL AT THE CONTRACTORS EXPENSE.
- ALL PHASES OF CONSTRUCTION MUST BE COORDINATED WITH THE ENGINEER. ALSO, THE CONTRACTOR IS REQUIRED TO COORDINATE WITH THE PROPERTY OWNERS IN ORDER TO MINIMIZE CONFLICTS.
- THE CONTRACTOR MUST NOTIFY EACH PROPERTY OWNER 24 HOURS PRIOR TO SHUTTING OFF WATER FOR CONNECTION TO NEW MAIN.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING WATER MAINS IN SERVICE DURING ALL PHASES OF CONSTRUCTION AT NO EXTRA PAY. LEAKS CAUSED BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- GAS SERVICE AND SANITARY SEWER SERVICE LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
- STORAGE: PVC WATER PIPE IS ALLOWED TO BE STORED A MAXIMUM OF SIX (6) MONTHS WITHOUT COVER THEREAFTER ALL PIPES SHOULD BE COVERED OR KEPT AWAY FROM SUNLIGHT & PROTECTED FROM OTHER ELEMENTS.
- ALL VALVES, FITTINGS, ETC. MADE WITH DUCTILE IRON OR FERROUS METAL SHALL BE WRAPPED WITH 8 MIL. POLYWRAP.
- ALL GATE VALVES SHALL HAVE NON-RISING STEMS AND RESILIENT SEATED WEDGE.
- ALL GATE VALVE LOCATIONS SHALL BE MARKED AT THE CURB WITH "V".
- THE MAXIMUM DEFLECTION OF PIPE JOINTS SHALL NOT EXCEED THAT RECOMMENDED BY THE PIPE MANUFACTURER. IF IT IS NECESSARY TO DEFLECT THE PIPE (GREATER THAN THE RECOMMENDED AMOUNT) THE CONTRACTOR SHALL PROVIDE FITTINGS. EXTRA PAYMENT SHALL NOT BE MADE FOR THIS WORK.
- FIELD ADJUSTMENTS MAY BE NECESSARY AND SHALL BE CARRIED OUT AS DIRECTED BY THE ENGINEER AT NO EXTRA PAY.
- CONSTRUCTION DEWATERING, IF ANY, IS INCIDENTAL TO THE PROJECT.
- COMPACTION OF BACKFILL MATERIAL BY FLOODING OR JETTING WILL NOT BE PERMITTED.
- CONTRACTOR TO LEVEL WASHES, RUTS, DEPRESSIONS, AND MOUNDS TO GIVE AREA SMOOTH FINISH AND POSITIVE DRAINAGE FLOW.
- CONTRACTOR SHALL FILL ALL VOIDS UNDER EXISTING PAVEMENT IF DISTURBED WHEN INSTALLING THE NEW MAIN (NO PAY ITEM). ALSO, ALL DITCH LINES MUST BE FILLED AT THE END OF EACH DAY'S WORK.
- ALL CONCRETE BLOCKING SHALL CONFORM TO THE REQUIREMENTS SHOWN IN THE THRUST BLOCK DETAIL ON SHEET 55.
- ALL SALVAGEABLE MATERIALS (VALVES, FIRE HYDRANTS, VALVE BOXES, ETC.) SHALL BE DELIVERED TO THE CITY OF ROCKWALL PUBLIC WORKS YARD. ALL NON-SALVAGEABLE MATERIALS TO BECOME PROPERTY OF THE CONTRACTOR AND TO BE DISPOSED OF OFFSITE.
- A MINIMUM OF 48" OF COVER IS REQUIRED OVER ALL WATER LINES.
- ALL FITTINGS ON THE PVC PIPE SHALL BE DUCTILE IRON.
- CONTRACTOR IS TO SAWCUT ALL CONCRETE AND ASPHALT DRIVEWAYS AND STREETS AS REQUIRED FOR INSTALLATION OF PROPOSED WATERLINE. CONTRACTOR IS TO REPAIR ALL DRIVEWAYS AND STREETS AS SHOWN ON SHEET 55.
- THE FIRE HYDRANT BID ITEM SHALL INCLUDE THE EXTRA PIPE AND VALVE EXTENSIONS NECESSARY TO PLACE THE FIRE HYDRANT ON EXISTING GRADE.
- WATERLINE SHALL BE PVC CLASS 200, C-900 OR C-905.



TRAFFIC CONTROL

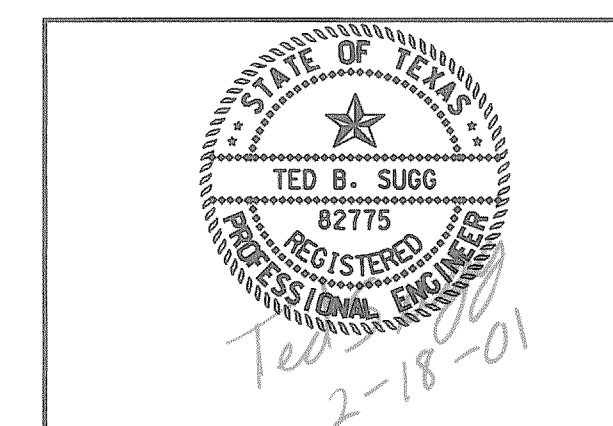
- THE CONTRACTOR IS RESPONSIBLE FOR PLACEMENT AND MAINTENANCE OF ALL NECESSARY BARRICADES AS REQUIRED BY THE CITY OF ROCKWALL. CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE 1980 TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) REVISION NO. 4 TEXAS DEPARTMENT OF TRANSPORTATION. SEE DETAIL ON SHEETS 45-49 OF THESE PLANS FOR TRAFFIC CONSTRUCTION PHASING.
- NO STOP OR YIELD SIGNS ARE TO BE RELOCATED OR REMOVED WITHOUT PRIOR APPROVAL BY THE CITY. THE CONTRACTOR MUST CALL THE CITY DEPARTMENT OF PUBLIC WORKS, AND OBTAIN PERMISSION FOR ANY CHANGES IN THESE SIGNS.
- TWO-WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES ON THIS PROJECT UNLESS SPECIFIED OTHERWISE IN THE PLANS AND SPECIFICATIONS. THE TRAVELWAY WIDTH SHALL NOT BE LESS THAN 10 FEET, AND 12 FEET WHERE TRUCK TRAFFIC IS ENCOUNTERED.
- ACCESS TO ABUTTING PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT MUST BE MAINTAINED FOR EMERGENCY AND LOCAL TRAFFIC AT ALL TIMES.

STORM WATER POLLUTION PREVENTION

- UNLESS OTHERWISE NOTED, ALL STORM WATER POLLUTION PREVENTION MEASURES SHALL CONFORM TO THE CITY OF ROCKWALL STANDARDS OR TO APPLICABLE GUIDELINES OF THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, STORM WATER QUALITY BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES, LATEST EDITION OR AMENDMENTS, FOR COMPLIANCE WITH NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SURFACE DRAINAGE AND EROSION CONTROL FACILITIES ON SITE DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND SIDEWALKS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM THE CONSTRUCTION AT ALL TIMES.

THRUST BLOCKING & JOINT RESTRAINTS

- ALL PIPE FITTINGS MUST BE RESTRAINED WITH MEGA-LUG RESTRAINTS OR EQUAL AND THRUST BLOCKED.
- ALL PIPE JOINTS AND FITTINGS MUST BE RESTRAINED WITH MEGA-LUG RESTRAINTS OR EQUAL AND THRUST BLOCKED AT ALL HORIZONTAL AND VERTICAL CHANGES IN PIPE DIRECTION.
- ALL VALVES ARE TO BE THRUST BLOCKED.
- NO EXTRA PAY ITEM FOR RESTRAINED JOINTS, MEGA-LUG OR APPROVED EQUAL RESTRAINED JOINTS, OR FOR THRUST BLOCKING.



UNDERGROUND UTILITIES

THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND BASED ON DATA FURNISHED BY UTILITY COMPANIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND VERIFY ON-SITE THE UTILITIES THAT MAY CONFLICT WITH THE CONSTRUCTION.

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NO.	DATE	REVISION	APPROV.
CITY OF ROCKWALL "THE NEW HORIZON"			
TOWNSEND DRIVE			
GENERAL NOTES			
Turner Collie & Braden Inc. ENGINEERS • PLANNERS • PROJECT MANAGERS			
Unit	A123	Scale: Horiz. Vert.	Date: FEBRUARY, 2001
Designed	VVS	Checked: TBS	Job No. 15-00825-200
Drawn	GBA	Approved: RCR	Sheet 2 of 72