

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.

NO STOP OR YIELD SIGN IS 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.

ACCESS TO ABUTTING PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT MUST BE MAINTAINED FOR EMERGENCY AND LOCAL TRAFFIC AT ALL TIMES.

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) 3RD EDITION AND AS MODIFIED BY THE TECHNICAL SPECIFICATIONS OF THE CONTRACT DOCUMENTS. COPIES MAY BE OBTAINED FROM THE "NORTH CENTRAL COUNCIL OF GOVERNMENTS", P.O. DRAWER COG, ARLINGTON, TEXAS 76005-5888, PH (817) 461-3300.

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.

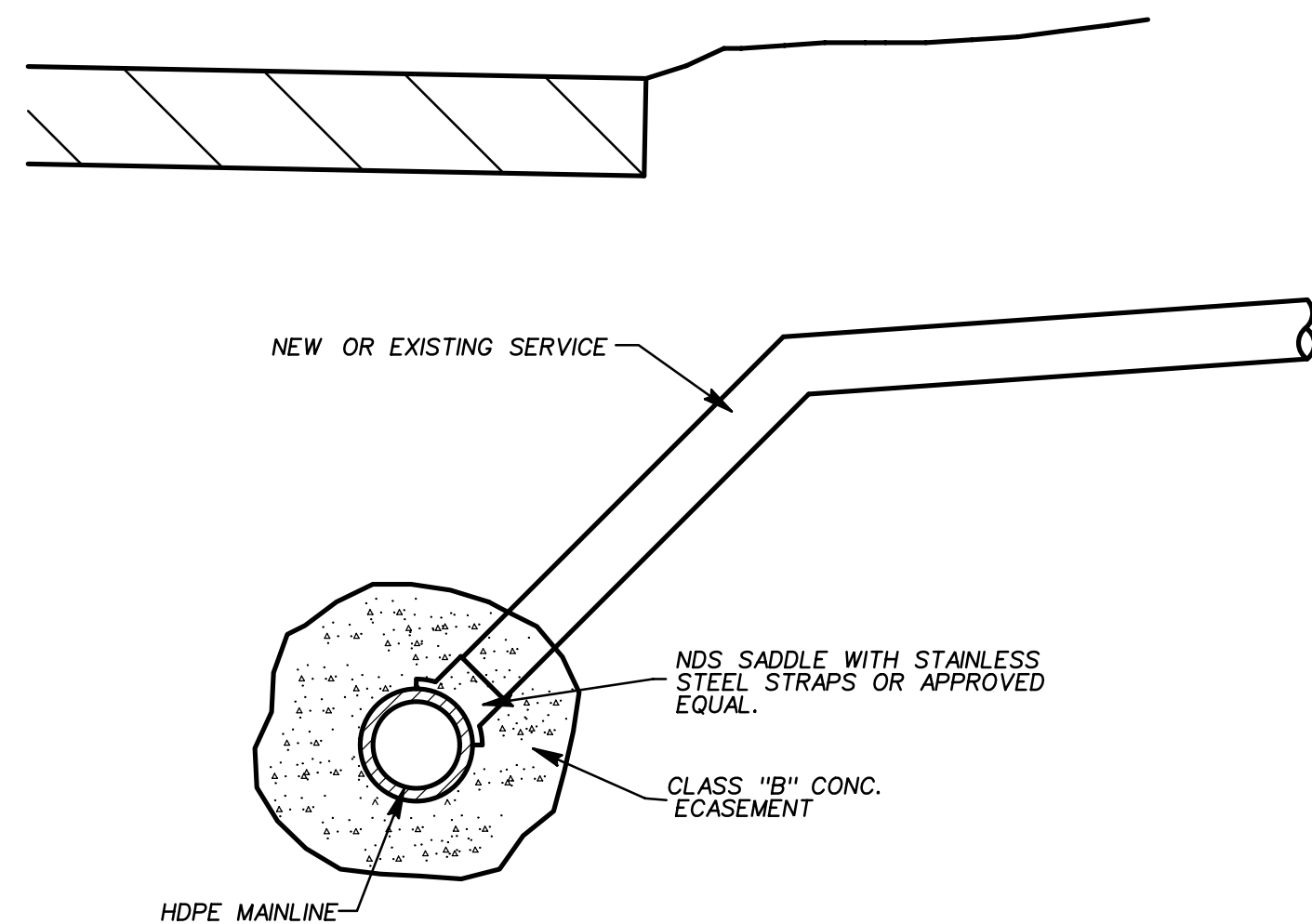
CONTRACTOR SHALL GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES AFFECTED BY THESE OPERATIONS PRIOR TO COMMENCEMENT OF WORK.

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.

THESE PLANS, PREPARED BY BURGESS AND NIPLE, 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.

SHEETING, SHORING AND BRACING: THE CONTRACTOR WILL ABIDE BY ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS GOVERNING EXCAVATION. TRENCH SIDE SLOPES SHALL MEET OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS THAT ARE IN EFFECT AT THE TIME OF BID OPENING. 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 BID OPENING 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.



NOTES:

SEE CITY OF ROCKWALL STANDARD DETAILS FOR SANITARY SEWER SERVICE LINE AND CLEANOUT BEYOND CONNECTION SHOWN.

NO SEPARATE PAY FOR ANY FITTING NECESSARY FOR THE CONSTRUCTION OF SERVICES.

FOR CONNECTIONS BEYOND THE PROPERTY LINE, IF THE EXISTING SAN. SEWER SERVICE IS PVC, CONTRACTOR SHALL USE RIGID PLASTIC COUPLINGS FOR CONNECTIONS APPROVED BY THE CITY OF ROCKWALL PRIOR TO CONSTRUCTION. FOR OTHER MATERIALS THE CONTRACTOR SHALL USE FERRO RUBBER BOOT ADAPTER WITH STAINLESS STEEL STRAPS OR APPROVED EQUAL.

SERVICE CONNECTION TO MAINLINE

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 CITY. 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 SEWER SERVICE FOR CONNECTION TO NEW MAIN.

FIELD ADJUSTMENTS MAY BE NECESSARY AND SHALL BE CARRIED OUT AS DIRECTED BY THE CITY AT NO EXTRA PAY.

CONSTRUCTION DEWATERING, IF ANY, IS INCIDENTAL TO THE PROJECT.

BY PASS PUMPING IF REQUIRED, 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.

ALL SALVAGEABLE MATERIALS (MANHOLE FRAMES/COVERS, 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.

UTILITY:

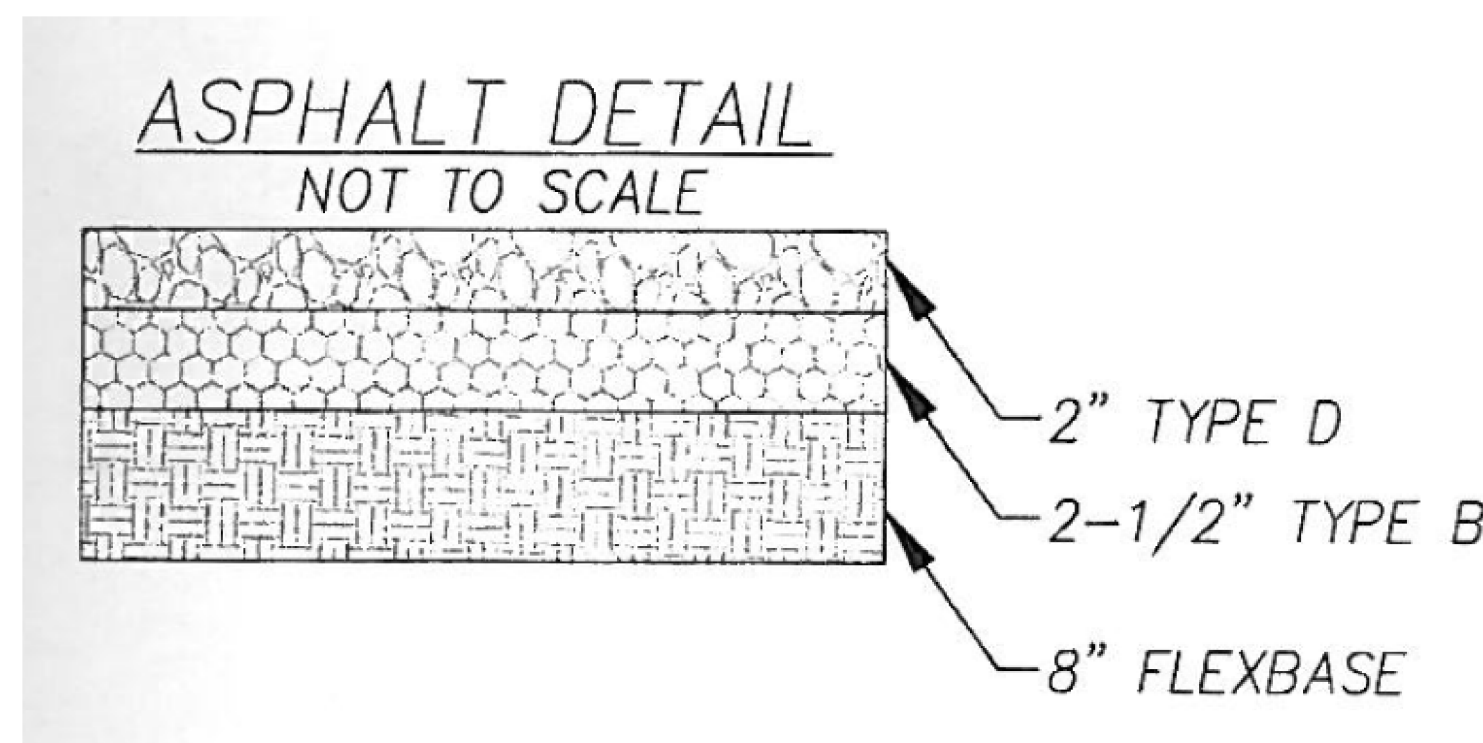
THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THERE MAY BE OTHER UNKNOWN UTILITIES EXISTING NOT SHOWN ON THE PLANS THAT SHOULD BE VERIFIED AND PROTECTED BY THE CONTRACTOR PRIOR TO THE START OF THE CONSTRUCTION.

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 TUNOFFS 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

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



TRENCHLESS CONSTRUCTION AND PROJECT SPECIFIC NOTES:

CONSTRUCTION PERMITS HAVE BEEN OBTAINED FROM TXDOT FOR THIS PROJECT BY THE CITY OF ROCKWALL ON BEHALF OF THE CONTRACTOR. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THESE PERMITS AND PROVIDE ALL REQUIRED INSURANCE AND NOTIFICATION SUBMITTALS TO TXDOT. COPIES OF THE PERMITS WILL BE PROVIDED TO THE CONTRACTOR AT THE PRECONSTRUCTION MEETING.

CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION TELEVISION INSPECTION OF ALL EXISTING SANITARY SEWER LINES THAT ARE TO BE REHABILITATED USING TRENCHLESS CONSTRUCTION TO VERIFY LOCATIONS OF ALL SERVICE CONNECTIONS, POSSIBLE POINT REPAIRS AND SAGS. ALL CCTV VIDEO OF SEWER MAINS SHALL BE DELIVERED TO THE CITY FOR REVIEW. POST-CONSTRUCTION CCTV INSPECTION OF ALL REHABILITATED MAINS AND SERVICES IS CONSIDERED INCIDENTAL TO THE COST OF OTHER BID ITEMS, AND NO SEPARATE PAY ITEM ALLOWED. IN THE EVENT THAT A POINT REPAIR EXCAVATION IS CONDUCTED, CONTRACTOR SHALL RE-VIDEO TAPE REPAIRED SEWER MAIN AT NO ADDITIONAL COST TO THE CITY. NO SEWER FLOWS SHALL BE DIVERTED OR BYPASSED FOR THE DURATION OF CCTV INSPECTION FOR EITHER PRE OR POST-CONSTRUCTION INSPECTIONS.

THE CONTRACTOR WILL BE REQUIRED TO REPAIR AT HIS EXPENSE AND IN AN APPROVED MANNER ALL DEFECTS IN HIS WORKMANSHIP DISCLOSED BY THE CCTV INSPECTION. VARIATIONS FROM THE TRUE LINE AND GRADE MAY BE INHERENT BECAUSE OF THE CONDITION OF THE ORIGINAL PIPING. MINOR DISTORTION OF THE INSERTED PIPE MAY BE OBSERVED, BUT LOCALIZED DIMPLING, REVERSE BENDING OF THE PIPE WALLS, OR FLATTENING RESULTING IN MORE THAN A 10% REDUCTION IN DIAMETER SHOULD BE CORRECTED. NO INFILTRATION OF GROUND WATER SHOULD BE OBSERVED. ALL SERVICE ENTRANCES SHALL BE ACCOUNTED FOR AND BE UNOBSTRUCTED AND NON-PROTRUDING.

ALL SHORTSIDE SERVICES SHALL BE REPLACED FROM THE MAIN TO THE PROPERTY LINE. AT THE PROPERTY LINE THE CONTRACTOR SHALL EITHER CONNECT TO THE EXISTING CLEANOUT AT THE PROPERTY LINE OR INSTALL A NEW SINGLE CLEANOUT PER DETAIL.

ALL LONGSIDE SERVICES SHALL BE RECONNECTED TO THE MAIN. A BID ADDITIVE ITEM AS BEEN PROVIDED IN THE BID SCHEDULE FOR CCTV OF LONGSIDE SERVICES AND REPLACING THE SERVICE FROM THE MAIN TO THE PROPERTY LINE AND INSTALLING A CLEANOUT. IN THE EVENT THE SERVICE REQUIRES REPLACEMENT, THE SERVICE SHALL BE BORED AND THE SANITARY SEWER SERVICE LINE INSTALLED INSIDE STEEL ENCASEMENT PIPE. NO LONG SIDE SERVICE SHALL BE REPLACED WITHOUT THE APPROVAL OF THE CITY OF ROCKWALL.

CONTRACTOR SHALL ENSURE THAT ALL ACTIVE SERVICES CAN BE RECONNECTED AND OR REROURED TO THE NEW SEWER LINE PRIOR TO CONSTRUCTING OR REHABILITATING THE NEW SEWER LINE. CONTRACTOR SHALL NOTIFY THE RESIDENT PROJECT REPRESENTATIVE OF ANY POTENTIAL CONFLICTS PRIOR TO CONSTRUCTION SO MODIFICATIONS TO THE PLANS CAN BE MADE IF NECESSARY. THIS WORK SHALL BE SUBSIDIARY TO OTHER ITEMS IN THE BID PROPOSAL.

CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER AND SEWER CONNECTIONS TO HOMES AND BUSINESSES AT ALL TIMES EXCEPT FOR BRIEF INTERRUPTIONS IN SERVICE FOR SEWER SERVICES TO BE REINSTATED. IN NO CASE SHALL SERVICES BE ALLOWED TO REMAIN OUT OF SERVICE OVERNIGHT. NO SEPARATE PAY.

CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO WATER SERVICES AND IRRIGATION LINES DUE TO THE PIPE BURSTING PROCESS. NO SEPARATE PAY FOR REPAIRING OR REPLACING DAMAGES RESULTING FROM PIPE BURSTING OR OTHER CONSTRUCTION ACTIVITIES.

THE CONTRACTOR SHALL DISTRIBUTE NOTIFICATIONS TO RESIDENTS AFFECTED BY CONSTRUCTION ACTIVITIES. TWO NOTIFICATIONS WILL BE REQUIRED. THE FIRST NOTIFICATION WILL BE DELIVERED TWO WEEKS BEFORE ANY CONSTRUCTION ACTIVITIES IN A NEIGHBORHOOD AND THE SECOND NOTICE WILL BE DELIVERED TO INDIVIDUAL PROPERTY OWNERS 48 HOURS PRIOR TO CONNECTING SERVICES TO THE NEW OR REHABILITATED SEWER LINE. BOTH NOTIFICATIONS WILL PROVIDE A TIMELINE AND BRIEF DESCRIPTION OF THE CONSTRUCTION ACTIVITIES. A CITY OF ROCKWALL AND CONTRACTOR CONTACT NAME AND PHONE NUMBER SHOULD BE INCLUDED IN THE NOTIFICATION. NOTIFICATIONS SHALL BE APPROVED BY THE CITY OF ROCKWALL PRIOR TO DISTRIBUTION.

CONTRACTOR SHALL BYPASS PUMP SEWER AROUND SECTIONS OF PIPE PRIOR TO BEING REPLACED OR REHABILITATED. PAYMENT FOR BYPASS PUMPING SHALL BE CONSIDERED SUBSIDIARY TO REPLACEMENT OR REHABILITATION OF THE SEWER.

THE CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGES TO PROPERTIES, HOMES AND BASEMENTS FROM BACKUP RESULTING FROM INSTALLATION OF SERVICES, INSTALLATION OF NEW PIPE, ABANDONMENT OF EXISTING PIPE, CLEANING OF SERVICES OR OTHER CONSTRUCTION RELATED ACTIVITIES. THE CONTRACTOR WILL BE ALLOWED TO OPEN CLEANOUTS WHERE AVAILABLE AND WILL BE RESPONSIBLE FOR ALL CLEANUP ASSOCIATED WITH OPENING CLEANOUTS.

CONTRACTOR SHALL CONDUCT A PRECONSTRUCTION TELEVISION INSPECTION OF ALL EXISTING SANITARY SEWER LINES THAT ARE TO BE REHABILITATED USING TRENCHLESS CONSTRUCTION TO VERIFY LOCATIONS OF ALL SERVICE CONNECTIONS. TELEVISION INSPECTION IS CONSIDERED INCIDENTAL TO THE COST OF OTHER BID ITEMS.

CONTRACTOR SHALL BEGIN RESTORATION ACTIVITIES TO PRIVATE PROPERTY AND PARKWAYS IMMEDIATELY AFTER COMPLETION OF THE INSTALLATION OR REHABILITATION OF SEWER LINES. SURFACE RESTORATION MUST BE COMPLETED WITHIN TEN DAYS TO THE PROPERTY OWNER'S COMPLETE SATISFACTION WITHIN TEN WORKING DAYS. FAILURE TO COMPLETE SURFACE RESTORATION MAY RESULT IN DEFERMENT OF FURTHER PIPE INSTALLATION ACTIVITIES. SURFACE RESTORATION IS CONSIDERED INCIDENTAL TO THE COST OF OTHER BID ITEMS.

POINT REPAIRS SHALL BE PAID FOR BY THE UNIT BID PER EACH. EACH POINT REPAIR SHALL CONSIST OF A MINIMUM OF 10 LF OF PIPE REPLACEMENT. A PAY ITEM FOR ADDITIONAL FOOTAGE OF POINT REPAIRS HAS BEEN PROVIDED IF REQUIRED. POINT REPAIRS SHALL NOT INCLUDE PAYMENT FOR PAVEMENT OR TURF RESTORATION. IF REQUIRED, SURFACE RESTORATION SHALL BE PAID SEPARATELY.

RECORD DRAWING
THIS RECORD DRAWING IS A COMPLETION OF A COPY OF THE SEALED ENGINEERING DRAWINGS FOR THIS PROJECT, MODIFIED BY ADDENDA, CHANGE ORDERS AND INFORMATION FURNISHED BY THE CONTRACTOR. THE INFORMATION SHOWN ON THE RECORD DRAWINGS THAT WAS PROVIDED BY THE CONTRACTOR OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWINGS ARE ON FILE AT THE OFFICE OF BURGESS & NIPLE, INC., 11117 SHADY TRAIL, DALLAS, TX 75229. THE REGISTRATION NO. 10834. DATE OF RECORD DRAWING: 8-13-2012.

ORIGINAL DRAWINGS FOR CONSTRUCTION WERE SEALED ON 8-28-2011 BY: LOWELL D. SARGENT, P.E., #03882. CONSTRUCTED BY: PM CONSTRUCTION.

BURGESS & NIPLE
Engineers ■ Planners

11117 SHADY TRAIL
DALLAS, TEXAS 75229
Texas Board of Professional Engineers
Firm Registration No. 10834

DATE:
9-20-2011

GENERAL NOTES/ MISC DETAILS
SHEET 2 OF 4

CITY OF ROCKWALL, TEXAS
SH-66 SANITARY SEWER RECONSTRUCTION
BY PIPE BURST
(N. FANNIN AVE. TO N. CLARK AVE.)

