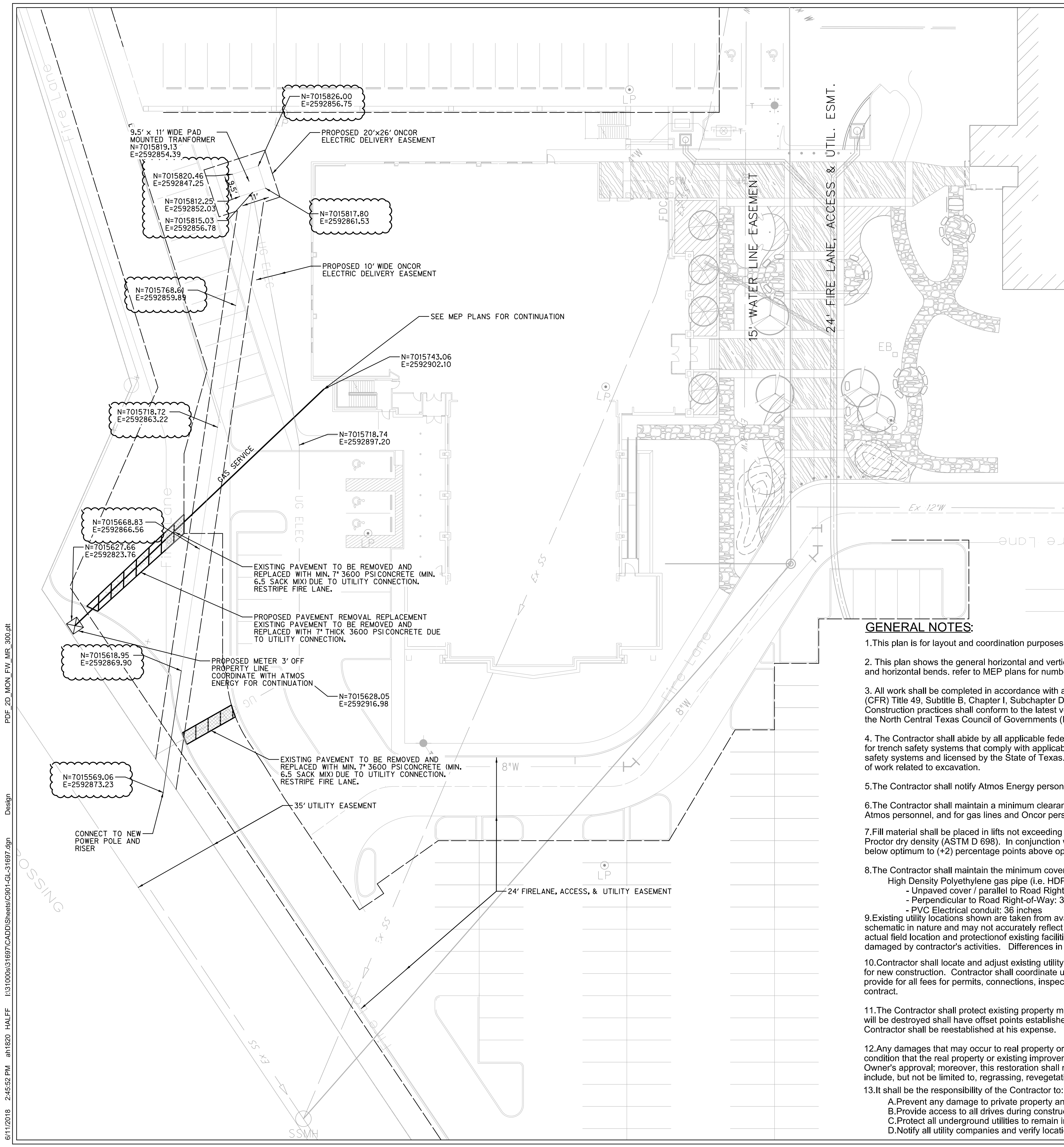
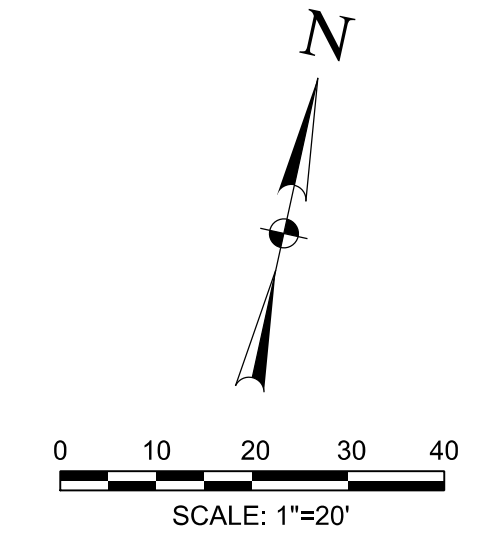


6/11/2018 2:45:52 PM ah1820 HALFF I:\31000a\31697\CADD\Sheets\C901-GL-31697.dgn Design



CAUTION!!!
EXISTING UTILITIES IN THE AREA. UTILITIES LOCATION SHOWN ARE SCHEMATIC IN NATURE AND MAY NOT ACCURATELY REFLECT SIZE, HORIZONTAL, AND/OR VERTICAL LOCATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION PRIOR TO BEGINNING CONSTRUCTION. CONTACT AFFECTED UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION IN THIS AREA. (1-800-DIG-TESS)



LEGEND:

- - - Ex F/O - - - EXISTING FIBER OPTIC
- - - Ex TEL - - - EXISTING TELEPHONE LINE
- - - Ex GAS - - - EXISTING GAS LINE
- - - Ex SS - - - EXISTING SANITARY SEWER
- - - Ex OHE - - - EXISTING OVERHEAD ELECTRIC
- - - Ex UGE - - - EXISTING UNDERGROUND ELECTRIC
- - - Ex W - - - EXISTING WATER LINE
- ==== STORM SEWER
- ==== MAJOR CONTOUR LINE
- ==== MINOR CONTOUR LINE
- ==== EXISTING MAJOR CONTOUR LINE
- ==== EXISTING MINOR CONTOUR LINE
- ==== PROPERTY LINE
- ==== EASEMENT LINE
- ==== ASPHALT
- PP POWER POLE
- OW SANITARY SEWER MANHOLE
- FH WATER VALVE
- WM FIRE HYDRANT
- WM WATER METER
- INLET PROTECTION

RECORD DRAWING

TO THE BEST OF OUR KNOWLEDGE HALFF ASSOCIATES, INC. HEREBY STATES THAT THIS PLAN IS A RECORD DRAWING. THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE GENERAL CONTRACTOR, MEDCO CONSTRUCTION L.L.C. DURING MAY 2018, FIELD OBSERVATIONS, ON 05/09/2018, AND FIELD SURVEY WORK CONDUCTED AT THE SITE. THIS INFORMATION INCLUDES MODIFICATIONS BY ADDENDA AND CHANGE ORDERS. THE ORIGINAL SEALED CONSTRUCTION DRAWINGS ARE ON FILE AT THE OFFICES OF: HALFF ASSOCIATES, INC., TBPE FIRM #312
ENGINEER OF RECORD:
Daniel W. Warfield
DANIEL W. WARFIELD, P.E. 95947
HALFF ASSOC. TBPE FIRM #312
DATE: 06/11/2018

GENERAL NOTES:

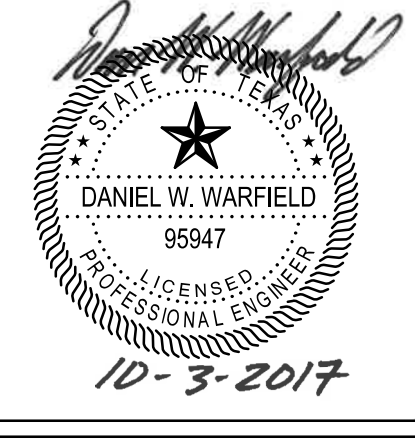
1. This plan is for layout and coordination purposes only. The sizing of the gas main and connection details shall be per Atmos specifications.
2. This plan shows the general horizontal and vertical locations of electrical conduits only. The contractor shall verify what radius to use at vertical and horizontal bends. refer to MEP plans for number of conduits, electrical design, conduit encasement and manhole details.
3. All work shall be completed in accordance with all applicable federal, state, and local regulations; including but not limited to the Code of Federal Regulations (CFR) Title 49, Subtitle B, Chapter I, Subchapter D, Part 192 (Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards. Construction practices shall conform to the latest versions of Atmos Energy Construction Procedures Manual and Pipeline Services Engineering Standards, the North Central Texas Council of Governments (NCTCOG) Public Works Construction Standards latest version, and the City of Rockwall standards.
4. The Contractor shall abide by all applicable federal, state, and local laws governing excavation. The Contractor shall provide detailed plans and specifications for trench safety systems that comply with applicable laws governing excavation. These plans shall be sealed by an Engineer experienced in the design of trench safety systems and licensed by the State of Texas. Submit plan to the Owner prior to commencing work. The Contractor shall be solely responsible for all aspects of work related to excavation.
5. The Contractor shall notify Atmos Energy personnel at least 48 hours prior to the start of construction.
6. The Contractor shall maintain a minimum clearance of 24" from any underground obstruction, except upon approval of variance by Atmos personnel, and for gas lines and Oncor personnel for electric lines.
7. Fill material shall be placed in lifts not exceeding nine (9) inches in loose thickness. Fill material shall be compacted at a minimum of 95 percent maximum standard Proctor dry density (ASTM D 698). In conjunction with the compacting operation, fill material shall be brought to a moisture content ranging from (-2) percentage points below optimum to (+2) percentage points above optimum (-2 to +2).
8. The Contractor shall maintain the minimum cover requirements to the top of pipe as specified below:
High Density Polyethylene gas pipe (i.e. HDPE or poly):
- Unpaved cover / parallel to Road Right-of-Way: 36 inches
- Perpendicular to Road Right-of-Way: 36 inches
- PVC Electrical conduit: 36 inches
9. Existing utility locations shown are taken from available records provided by the utility Owner and field locations of surface appurtenances. Locations shown are generally schematic in nature and may not accurately reflect the size and location of each particular utility. Some utility lines may not be shown. Contractor shall assume responsibility for actual field location and protection of existing facilities whether shown or not. Contractor shall also assume responsibility for repairs to existing facilities, whether shown or not, damaged by contractor's activities. Differences in horizontal or vertical location of existing utilities shall not be a basis for additional expense.
10. Contractor shall locate and adjust existing utility manhole lids, cleanouts, water valves, and other surface appurtenances as required for new construction. Contractor shall coordinate utility adjustments with other disciplines and the appropriate utility agencies and provide for all fees for permits, connections, inspections, etc. These adjustments shall be considered incidental to the construction contract.
11. The Contractor shall protect existing property monumentation and primary control. Any such points which the Contractor believes will be destroyed shall have offset points established by the Contractor prior to construction. Any monumentation destroyed by the Contractor shall be reestablished at his expense.
12. Any damages that may occur to real property or existing improvements shall be restored by the Contractor to at least the same condition that the real property or existing improvements were in prior to the damages. This restoration shall be subject to the Owner's approval; moreover, this restoration shall not be a basis for additional compensation to the Contractor. Restoration shall include, but not be limited to, regrading, revegetation, replacing fences, replacing trees, etc.
13. It shall be the responsibility of the Contractor to:
A. Prevent any damage to private property and property owner's poles, fences, shrubs, etc.
B. Provide access to all drives during construction.
C. Protect all underground utilities to remain in service.
D. Notify all utility companies and verify location of all utilities prior to start of construction.

BENCHMARKS				
#	NORTHING	EASTING	ELEVATION	DESCRIPTION
105	7015991.2980	2592962.1928	550.06	SXTP
106	7015431.9569	2593196.4381	543.24	SXTP
320	7015521.4980	2592947.0430	546.21	SXTP
321	7015870.0270	2593095.7245	548.29	SXTP
322	7015977.2058	2593078.3578	549.54	SXTP

LAKE POINTE CHURCH
NEW CHAPEL / EDUCATION BUILDING
701 Interstate 30 Rockwall, TX 75087



Revision No.	Date	Description
1	04/25/2017	REVISED TO ADDRESS CITY COMMENTS
2	10/03/2017	ORIGINAL, ADDED FILL, REMOVED GAS AND STORM DRAINAGE
3	06/11/2018	RECORD DRAWINGS



The seal appearing on this document was authorized by Daniel W. Warfield, P.E. 95947 on 10-03-2017. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act. The record copy of this drawing is on file at the offices of Halff Associates, Inc., 3803 Parkwood Blvd., Frisco, Texas 75034, TBPE FIRM #312.

Project No.:	31697
Issued:	
Drawn By:	TRS
Checked By:	DWW
Scale:	AS NOTED
Sheet Title	UTILITY PLAN
Sheet Number	C9.01