

**GENERAL NOTES:**

- All work shall conform to the requirements of the City of Rockwall and shall be in accordance with the specifications for this project, these plans, and the North Central Texas Council of Governments (NCTCOG) Standard Specifications for Public Works Construction, 4th Edition.
- Contractor is responsible for, and must obtain prior to construction, all necessary construction permits required by the City of Rockwall.
- 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.
- 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.
- 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.
- 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.
- 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, regrassing, revegetation, replacing fences, replacing trees, etc.
- It shall be the responsibility of the Contractor to:
  - Prevent any damage to private property and property owner's poles, fences, shrubs, etc.
  - Provide access to all drives during construction.
  - Protect all underground utilities to remain in service.
  - Notify all utility companies and verify location of all utilities prior to start of construction.
- Contractor shall maintain positive drainage at all time during construction. Ponding of water in streets, drives, truck courts, trenches, etc. will not be allowed.
- Contractor shall maintain existing sanitary sewer and water service at all times during construction.
- Contractor is responsible for coordination with utility companies and adjustment of existing sanitary sewer cleanouts, water meters and any other appurtenances to new grade as required.
- Pavement removal and repair shall conform to the City of Rockwall requirements. All sawcuts shall be full depth cuts. Contractor shall make efforts to protect concrete and/or asphalt edges. Any large spalled or broken edges shall be removed by sawcutting pavement prior to replacement.
- Fire service shall be sized and designed by a State of Texas licensed fire protection engineer/contractor registered in the State of Texas.
- All underground fire lines shall be installed by a state licensed fire protection contractor.
- All utility crossings shall comply with TCEQ Chapter 217 and 290 regulations.

**EROSION CONTROL NOTES:**

- Refer to the Erosion Control Sheets, sheets C3.01 and C3.02, for Erosion Control notes.

**DEMOLITION NOTES:**

- For additional extents for demolition, refer to grading, storm drainage, paving, and dimension control, water and sanitary sewer plans.
- Information provided on this plan does not delineate any underground foundation or objects that currently may be covered.
- The contract shall be responsible for proper removal and disposal of materials as required by the Owner or Owner's representative.

**GRADING NOTES:**

- No grading or earthwork shall commence until filing of a Notice of Intent to the Texas Commission of Environmental Quality (TCEQ) if applicable and Implementation of the Storm water Pollution Prevention Plan by the Contractor. A site erosion control plan and stormwater pollution prevention plan shall be prepared and provided to the City of Rockwall by others prior to start of construction.
- The existing ground surface shall be stripped of vegetation, roots, old construction debris, and other organic materials. Material unsuitable for fill shall be removed from the site and properly disposed of.
- The subgrade should be firm and able to support the construction equipment without displacement. Soft or yielding subgrade should be corrected and made stable before construction proceeds. The subgrade shall be proof rolled using a heavy pneumatic tire roller, loaded dump truck or similar piece of heavy equipment.
- All areas to receive fill shall be stripped of vegetation and the top six (6) inches scarified prior to receiving any fill. Fill material shall be placed in loose lifts not exceeding 8-inches in uncompacted thickness. The fill material shall be uniform with respect to material type and moisture content. Clods and chunks of material shall be broken down and the fill material mixed by disk, blading, or plowing, as necessary, so that a material of uniform moisture and density is obtained for each lift. Water required to bring the fill material to the proper moisture content should be sprinkled evenly through each layer.
- The on-site soils are suitable for use in site grading. Imported fill material shall be clean soil with a Liquid Limit less than 40 and no rock greater than 4 inches in maximum dimension. The fill material shall be free of vegetation and debris.
- The fill material shall be compacted between 95 and 98 percent of the maximum dry density as determined by the Standard Proctor test, ASTM D 698. In conjunction with the compacting operation, the fill material shall be brought to the proper moisture content. The moisture content of the compacted soils should be maintained between -2 and +2 percent of the optimum value (determined from ASTM D 698). All fill to be compacted using a sheep's foot roller.
- The Contractor shall administer sprinklers for dust control, earthwork or base construction as required or as directed by the Engineer in accordance with the TXDOT Standard Specification for Construction, Item 204-Sprinklering.
- Contractor's work shall include pavement removal and disposal required for new walk, drive, curb, gutter and other grading features. Contractor shall be responsible for all coordination, inspection and testing required by the Owner and/or the City of Rockwall.
- All sidewalks shall maintain 2% cross slope maximum. Longitudinal slopes along sidewalks and accessible routes shall not exceed 5% in the direction of travel. Slopes within designated handicap parking or loading areas shall not exceed 2% in any direction.
- 4:1 Horizontal: Vertical is the maximum allowable slope within the earthen areas.
- Site grading and pavement subgrade shall be prepared in accordance with the Geotechnical Report No. G161157 prepared by ALPHA TESTING dated 06/10/2016.
- Proposed spot elevations represent gutter elevation unless noted otherwise.

**PAVING NOTES:**

- Pavement removal and repair shall conform to City of Rockwall requirements. All sawcuts shall be full depth cuts. Contractor shall make efforts to protect concrete. Any large spalled or broken edges shall be removed by sawcutting pavement prior to replacement.
- Contractor's work shall include pavement removal and disposal required for new walk, drive, curb, gutter and other paving features. Contractor shall be responsible for all coordination, inspection and testing required by the Owner and/or the City of Rockwall.
- Concrete paving joints shall be constructed as recommended in the geotechnical report noted below. Expansion joints shall be placed at changes in direction of paving, at driveways and/or as shown on the drawings. Seal all joints as shown on the drawings.
- Paving sections shall be sawcut in 15' x15' squares.
- Site grading and pavement subgrade shall be prepared in accordance with the Geotechnical Report No. G161157 prepared by ALPHA TESTING dated 06/10/2016.
- Unless otherwise indicated on plans, all dimensions are to face of curb or face of building and are perpendicular to property line. These dimensions are provided to tie the Architect's Site Plan to the property lines.
- All sidewalks and handicap parking areas shall meet current ADA standards for minimum and maximum slopes.

**PRIVATE WATER AND SANITARY SEWER NOTES:**

- All materials and workmanship for private utility construction shall conform to the Standard Specifications for Public Works Construction for North Central Texas, latest edition, and the City of Rockwall requirements.
- Pipe material for water and sanitary sewer lines shall conform to the notes shown on this drawing and to requirements of the project specifications. Water line for fire service shall be C900 PVC, DR 14 Class 200. Water lines for domestic use shall be Type 'K' Copper from tap to meter and copper or AWWA C900 PVC, DR-18 Class 235 from meter to building.
- All water lines for domestic use shall be Type 'K' Copper from tap to meter and copper or
- All bends and tees in water mains shall have thrust blocking provided in accordance with City of Rockwall standard details.
- No water jetting shall be allowed.
- All sanitary sewer pipe 12" and smaller shall be PVC SDR 26 pipe, heavy wall, in compliance with ASTM D 2241, latest revision. All pipe joints shall be in compliance with ASTM D 3139, latest, revision. Other pipe material shall be subject to approval by the City Engineer.
- Water mains shall have the following minimum cover below street grades:
 

i. Size	Cover
ii. 6"	3.5'
iii. 8"	4.0'
iv. 10"	4.0'
v. 12"	5.0'
vi. >16"	6.0'
- Coordinate utility service locations with most current Architectural/MEP Plans for this project. Notify Engineer with any discrepancies.
- Fire service shall be sized and designed by a State of Texas licensed fire protection engineer/contractor registered in the State of Texas.
- All underground fire lines shall be installed by a state licensed fire protection contractor.
- Refer to City of Rockwall standard details for DDC valve and vault construction, Water and Sanitary Sewer embedment and water thrust blocking.
- Field adjustments shall not be made without notification of the Owner and engineer.
- Utility service locations shall be plugged 5' from future building. Refer to Architectural /MEP Plans for this project for future continuation of building utilities.
- All water and sanitary sewer services shall be tested as required by the City of Rockwall. Paving shall not take place until utilities are tested and accepted by the City of Rockwall.
- All utility crossings shall comply with TCEQ Chapter 217 and 290 regulations.
- All public water lines shall be DR-14 Class 200.
- Contractor shall install blue EMS disks on the water line at every change in direction, valve, service connection, fire hydrant, and 250'.

**DRAINAGE NOTES:**

- All materials and workmanship for storm drain construction shall conform to the Standard Specifications for Public Works Construction for North Central Texas, latest edition, and the City of Rockwall General Design Standards, latest edition.
- During the construction of these improvements, any interpretation of the Standard Specifications for Public Works Construction for North Central Texas, and any matter which requires the approval of the Owner, must be approved by the appropriate governmental official before any construction involving that decision commences. Assumptions about what these decisions might be which are made during the bidding phase will have no bearing on the decision.

**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, MEXCO CONSTRUCTION LLC DURING MAY 2018, FIELD OBSERVATIONS, ON 05/09/2018, AND FIELD SURVEY WORK CONDUCTED AT THE SITE. THIS INFORMATION INCLUDES MODIFICATIONS BY ADDENDUM AND CHANGE ORDERS. THE ORIGINAL SEALED CONSTRUCTION DRAWINGS ARE ON FILE AT THE OFFICES OF: HALFF ASSOCIATES, INC., TBPE FIRM #312

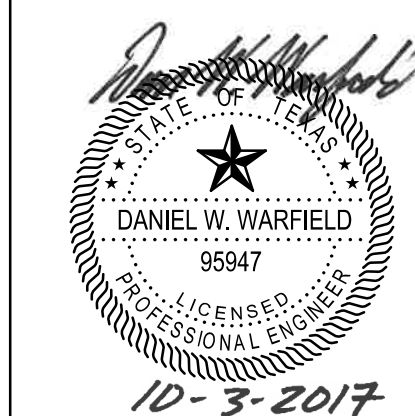
ENGINEER OF RECORD:

*Daniel W. Warfield*  
 DANIEL W. WARFIELD, P.E. 95947  
 HALFF ASSOC. TBPE FIRM #312  
 DATE 06/11/2018

**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	GENERAL NOTES FOR REMEDIATION 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 #F-312.

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