

GENERAL NOTES

- 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. These adjustments shall be considered incidental to the construction contract.
- 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.
- Barricading and traffic control during construction shall be the responsibility of the Contractor and shall conform to the latest edition of the "Texas Manual on Uniform Traffic Control Devices", Part VI in particular. Traffic flow and access shall be maintained during all phases of the construction. The Contractor is responsible for providing traffic safety measures for work on project.
- Onsite planimetric and topographic mapping taken from data provided by North Texas Surveying, LLC, dated September 2012. Boundary data taken from Survey by North Texas Surveying, LLC, dated September 2012.
- 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.
- All materials and workmanship for construction shall conform to the Standard Specifications for Public Works Construction for North Central Texas, third edition, and the City of Rockwall General Standards of Design and Construction, Oct., 2003 & 2007 Edition.

DEMOLITION NOTES

- For additional extents of demolition, refer to Grading, Storm Drainage, Paving and Dimension Control Plans.
- Information provided on this plan does not delineate any underground foundations or objects that currently may be covered.
- The Contractor shall be responsible for proper removal and disposal of materials as required by the Owner or Owner's representative.

PAVING NOTES

- 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.
- For new pavement use minimum 10.5-inch thick 4000 p.s.i. portland cement concrete reinforced with #3bars at 18-inch on center for all fire lanes, a minimum 10.5-inch thick 4000 p.s.i. (min. 6.5" sack) portland cement concrete reinforced with #3bars at 18-inch on center for all truck areas, and a minimum 5-inch thick 3000 p.s.i. portland cement concrete reinforced with #3bars at 18-inch on center for all parking traffic areas.
- Concrete paving joints and 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 in NCTCOG Public Works Construction Standards, Detail 2050 with city revisions.

GRADING NOTES

- All site work details shall be done in accordance with the City of Rockwall Standards of Design and Construction & NCTCOG 3rd Edition, Oct., 2003 & 2007 edition, and conform to the requirements of the plans and contract documents.
- The Contractor shall administer sprinklers for dust control, earthwork or base construction as required or as directed by the Engineer in accordance with the City of Rockwall Standards of Design and Construction, Oct., 2003 & 2007 edition and NCTCOG 3rd Edition.
- 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.
- 4:1 is the maximum allowable slope within the earthen areas.
- All areas within the project limits shall be cleared of all stumps, roots, debris, and any above surface growth.
- Prior to grading, grass vegetation shall be mowed and raked. After mowing and raking, existing soil shall be plowed and disced to a depth of six (6) inches prior to grading.
- A quantity of topsoil sufficient for placing six (6) inches of topsoil on proposed landscape areas shall be stripped and stockpiled.
- A site erosion control plan and stormwater pollution prevention plan shall be prepared and provided to the City of Rockwall by the contractor prior to start of construction. These plans shall conform to federal, state, and local requirements.
- All clay fill materials shall be spread in loose lifts, less than 8 inches thick and uniformly compacted with a sheep's foot roller to a minimum of 95% of the maximum density as determined by ASTM D 698 (Standard Proctor) between optimum and +4 percentage points above its optimum moisture content. Recommendation based on information from the Alliance Geotechnical Group March 12, 2012 geotechnical report.

DRAINAGE NOTES

- All materials and workmanship for storm drain construction shall conform to the Standard Specifications for Public Works Construction for North Central Texas, 3rd edition, and the City of Rockwall Standards of Design and Construction, Oct., 2003 & 2007 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.

UTILITY NOTES

- All materials and workmanship for private utility construction shall conform to the Standard Specifications for Public Works Construction for North Central Texas, 3rd edition, and the City of Rockwall Standards of Design and Construction, Oct., 2003 & 2007 edition.
- Pipe material for water and waste water lines shall conform to the notes shown on this drawing and to the requirements of the project specifications. Water line for fire use shall be C900 PVC, DR 14 Class 200. Water lines for domestic use shall be AWWA C900 PVC, DR-18 Class 150
- Sanitary sewer line shall be SDR-35 PVC if depth of line is 10' or less and SDR-26 if depth of line is greater than 10'. Embed sewer pipe in accordance with City of Rockwall design standards.
- Water mains shall have the following minimum cover below street grades:

Size	Cover
6"	3.5'
8"	4.0'
10"	4.0'
12"	5.0'
- Coordinate utility service locations with most current Architectural/MEP Plans for this project.
- 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.
- All fire line valve covers must be marked in red, labeled F.D.
- Field adjustments shall not be made without notification of the Owner and engineer.
- Utility service locations shall be plug 5' from future building. Future Architectural/MEP Plans for this project shall be connected to these locations.
- 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.

EROSION CONTROL NOTES

- The Contractor is responsible for preparing and implementing a Storm Water Pollution Prevention Plan (SWP3) in accordance with TCEQ Texas Pollutant Discharge Elimination System (TPDES) Permit No. TXR150000 (PERMIT). The details shown on this sheet represent typical methods for controlling erosion during construction and are intended for the Contractor's guidance in preparing his Storm Water Pollution Prevention Plan. The Contractor's plan shall comply with the PERMIT and Federal, State and local requirements.
- The Contractor shall be responsible for maintaining erosion control measures during construction and for obtaining any required construction related drainage permits, or making any construction related notifications. An inspection report that summarizes inspection activities and implementation of the SWP3 shall be performed as required by the PERMIT and retained by the Contractor and made a part of the construction documents. The Contractor shall provide copies of all SWP3 documents including, but not limited to, inspection records, original plans, and modified plans to the Owner at contact close-out.
- Temporary storm drainage and/or erosion control materials shall be suitable for this application and shall be installed with the proper techniques by the Contractor as specified in NCTCOG Standard Specifications for Public Works Construction. Maintenance of the permanent erosion control measures at the site will be assumed by the Owner at contract close-out and acceptance of the work.
- The Contractor shall make the Storm Water Pollution Prevention Plan (SWP3) available upon request to the TCEQ, other governmental agencies, and/or the Owner.
- The Contractor must amend his SWP3 whenever there is a change in design, construction, operation, or maintenance of the SWP3, or when the existing SWP3 proves ineffective. Modifications shall not compromise the intent of the requirements of the law. Modifications including design and all additional materials and work shall be accomplished by the Contractor at no additional expense to the Owner.
- Borrow areas, if excavated, shall be protected and stabilized by the Contractor in a manner acceptable to the Owner.
- All non-paved areas shall be seeded and mulched with erosion protection grass by the Contractor immediately upon completion of final grading. This includes all ditches and embankments. The Contractor shall maintain final grading, and keep seeded areas watered until fully established and accepted by Owner.
- The Contractor shall designate material and equipment storage areas mutually agreed to by the Owner. The storage areas shall be graded for positive drainage, and the surface stabilized by the Contractor with a minimum of 2-inches of compacted flex base on 6-inches of scarified and recompact subgrade. A silt fence shall be installed by the Contractor around the storage areas to prevent eroded materials from leaving the site.
- The sides and bottom of the detention pond to be stabilized with either sod or anchored seeded curlex prior to engineering acceptance.

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

WHITMORE MANUFACTURING
STORM WATER COLLECTION
AND TREATMENT EVALUATION
 CITY OF ROCKWALL, TEXAS



Revision No.	Date	Description

RECORD DRAWING SUBMITTAL
 NOV. 04, 2013
 This Record Drawing is based upon information provided by Hill & Wilkinson General Contractors, Halff Associates, Inc. survey dated 9-12-2013 and final visual observation. Texas Board of Professional Engineers-Firm #F-312.
 E. DAVID LITTLETON P.E. 62128
 DATE NOV/04/2013
 TYPE FIRM#F312

Project No.: 29023
 Issued: JUNE, 2013
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Sheet Title
GENERAL NOTES

C0.01
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