

**WATER & SEWER GENERAL NOTES**

1. All materials and construction shall conform to the 3rd edition of the NCTCOG Standard Specifications for Public Works Construction dated January 1998 as modified by the City of Rockwall Special Provisions, except as noted herein and approved by the City.
2. Contractor shall be responsible for maintaining trench safety requirements in accordance with City Standards, Texas State Law, and O.S.H.A. Standards for all excavation in excess of five feet in depth.
3. The location of all utilities located on these plans are taken from existing public records. The exact location and elevation of all public utilities must be determined by the Contractor. It shall be the duty of the Contractor to ascertain whether any additional facilities other than those shown on the plans may be present.
4. It shall be the responsibility of the Contractor to protect all public utilities in the construction of this project.
5. Any utility installed outside of an easement shall be installed by a plumber and inspected by Code Enforcement.
6. Backfill for utility lines should be carefully placed so that the utility will be stable. Where utility lines cross the parking lot, the top 6" should be compacted similarly to the remainder of the lot. Utility ditches should be visually inspected during the excavation process to ensure that undesirable fill is not used.
7. If rock is encountered in the trench, rock spoil shall not be used in the upper 1.5 feet of the trench. The upper 1.5 feet of the trench is to be backfilled only with quality topsoil.
8. All water lines shall be C-900 PVC SDR 14.
9. All ductile iron fittings shall be of the mechanical joint type or slip joint and shall be Class D, or Class 250 on sizes 12" and smaller in accordance with A.W.W.A. Specification C-110-64 and C-111-64.
10. All water mains shall have a minimum cover of 48", or sufficient cover to clear other utilities as measured from top of pipe to existing ground level or finished grade, whichever is greater.
11. Fire hydrants shall be placed 2' to 6' from back of curb located as shown on the plans.
12. Fire hydrants shall be City approved.
13. All gate valves shall be City approved.
14. The slope for sanitary sewer laterals shall be 2%, or 1/4" per foot, or greater.
15. All water meters to be placed in a non-traffic area.
16. Refer to Mechanical Plans for exact water and sewer service locations.
17. All sanitary sewer services shall have double cleanouts at the utility easement line.
18. All work shall conform to "City of Rockwall Standard Details"

**LEGEND**

- Existing Curb
- - - Proposed Curb
- - - Sawcut
- - - Existing Water Line
- - - Proposed Water Line
- - - Existing Sanitary Sewer Line
- - - Proposed Sanitary Sewer Line
- - - Proposed Sanitary Sewer Lateral
- - - Existing Storm Sewer Line
- - - Existing Storm Sewer Line

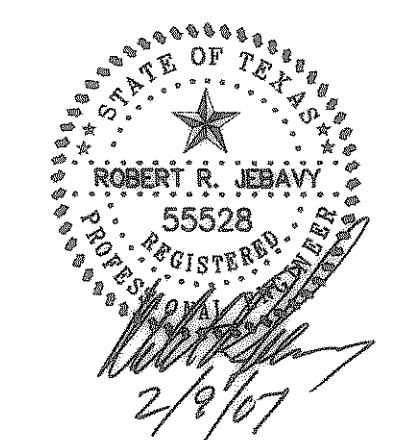
**NOTES:**

- A) Contractor shall determine which existing sanitary sewer laterals are in service and relocate as necessary
- B) Contractor shall adjust existing sanitary sewer manhole rims and cleanouts to match proposed grades as necessary.
- C) Contractor shall field verify that the existing & proposed upstream & downstream flowlines are adequate to provide a minimum 2% slope on all sanitary sewer services before installing sanitary sewer service connections to buildings from existing sanitary sewer laterals.

**Benchmark:**  
 "D" Cut At South Side Of Sanitary Sewer Lift Station. Located 100 Ft. East and 10 Ft.± South From The Southwest Corner Of This Property  
 Elevation : 450.45

**RECORD DRAWING**  
 02/09/07

NOTE: THESE PLANS HAVE BEEN REVISED TO CONFORM WITH CONSTRUCTION RECORDS PROVIDED BY THE CONTRACTOR.



\* INDICATES INFORMATION PROVIDED TO BROCKETTE/DAVIS/DRAKE, INC., BY RAYMOND ENGINEERING, INC., HOUSTON, TX.



**CAUTION!!!**  
 EXISTING PHONE, GAS, ELECTRICAL & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.  
 TEXAS ONE CALL: 1-800-245-4454

**SANITARY SEWER PLAN**  
**WATER'S EDGE RESIDENCES AT LAKE RAY HUBBARD**  
**CITY OF ROCKWALL, TEXAS**

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DESIGNED	DRAWN	DATE	SCALE	NOTES	FILE	NO.
RRJ	STL	10/04	1"=40'	BDD	C04207	C13

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