

WATER & SANITARY SEWER NOTES

1. All materials and construction shall be in accordance with the City of McKinney Standard Specifications and Construction Standards, and Standard Specifications for Public Works Construction prepared by North Central Texas Council of Governments (Latest Revision).
2. Existing utilities are shown schematically and are for the contractors guidance only. The location and/or elevation of existing utilities as shown on these plans are based on records of the various utility companies, and, where possible, measurements taken in the field. The contractor must call the appropriate utility company at least 48 hours prior to any excavation to request exact field location of utilities.
3. The contractor shall be responsible for protecting all existing improvements in the construction of this project. The contractor is responsible for repairs of damage to any existing improvements during construction. Repairs shall be equal to or better than the condition prior to construction.
4. All sewer lines shall be PVC SDR-35.
5. All manhole rim grades must match finished grade in paved areas. Manholes constructed in landscape areas must have a final rim grade six inches (6") above final grade.
6. All water pipe 4" and larger shall be Class 200 PVC DR 14 water pipe. All pipe over 12" shall be Class 150 DR 18 PVC water pipe, conforming to AWWA C900 standards.
7. Contractor shall be responsible for maintaining trench safety requirements in accordance with the latest standards of O.S.H.A. or any other agency having jurisdiction for excavation and trenching procedures. Contractor shall provide and implement a trench safety plan complying with O.S.H.A.
8. All tees and fittings shall be mechanical joint type per City Standards.
9. Location of sample port per City Standards. Contact Engineering for additional information.
10. Location of fire hydrants shall comply with the City Standard Details.
11. All underground fire line and FDC piping shall be a minimum of Class 200 / DR 14 or better. Embedment shall be No. 4 crushed stone. Depth of Bury - minimum is 48 inches from grade to the top of the pipe. All underground lines begin at the point of connection to the circulating public/private water main and terminate at the top of the spigot piece 1 ft. above the finished floor and no more than 5 ft. inside the building.

CAUTION EXISTING UTILITIES !!!!

All existing utilities and underground facilities that are indicated and shown on these plans are approximate, and are based on as-built plans and/or from reference information. Actual utility locations may differ from the as-built plans based on field observations. All utilities shall be field verified and located prior to any excavation or boring. It shall be the responsibility of the Contractor to verify both horizontally and vertically the location of such existing utilities prior to any construction.

!!! CAUTION !!!

Existing Utility Lines In Area
Contractor To Verify Existing Utility Locations
Contact Appropriate Utility Companies
48 Hrs. Prior To Any Construction

NOTE:

Any Sewer Services On The Existing 6" Sewer Line Shall Be Tapped On The New 8" Sewer Line Per City Standards.

Contractor to field verify exact depth and location of existing sanitary sewer prior to construction and immediately notify engineer of any discrepancies.

Contractor to field verify exact depth and location of existing water line prior to construction and immediately notify engineer of any discrepancies.

Prior to removal of any existing utility improvements, Contractor shall verify that lines are no longer in use, or connected to any other lines that are in use, so as to not adversely impact any current or future business operations. City/Business representative shall be notified immediately if any utility to be removed needs to remain in service, either temporarily or permanently. All existing utility services that are currently in use shall be connected to the new line as to remain in service.

Contractor shall not place permanent pavement until all sleeving for irrigation, electric, gas, telephone, cable TV, site lighting, etc. has been installed. It shall be the Contractor's responsibility to coordinate with the appropriate utility providers, parties, etc. to ensure that all sleeving is in place prior to placing permanent paving.

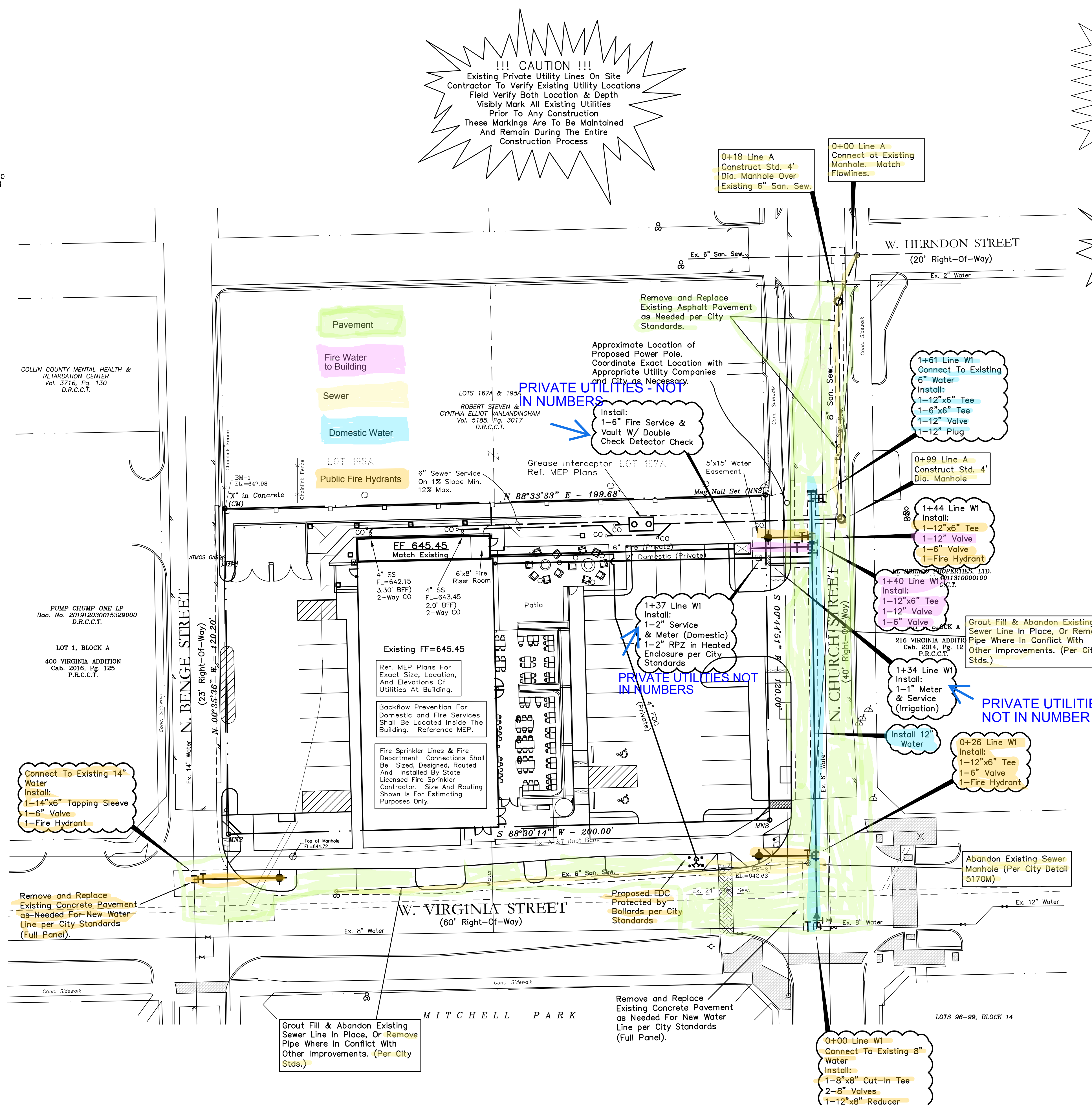
!!! CAUTION !!!

Existing Private Utility Lines On Site
Contractor To Verify Existing Utility Locations
Field Verify Both Location & Depth
Visibly Mark All Existing Utilities
Prior To Any Construction
These Markings Are To Be Maintained
And Remain During The Entire
Construction Process

PRIVATE UTILITIES - NOT
IN NUMBERS

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IN NUMBERS

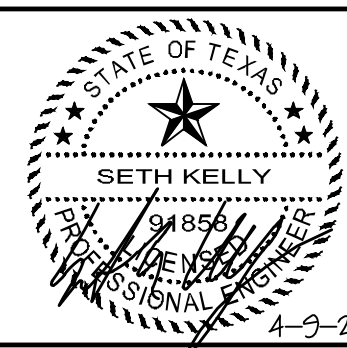
PRIVATE UTILITIES
NOT IN NUMBER



MISC. INFORMATION		REVISION	DATE	DESCRIPTION
NOTE: Prior to beginning any construction or construction staking, it shall be the Contractor's responsibility to contact the civil engineer to insure that all parties are in possession of the most current set of construction documents.	SITE BENCHMARKS BM-1 = "X" in concrete on the east side of Benge Street and being the northwest corner of the subject property. Elev.=647.98 BM-2 = "X" in concrete at the northwest corner of the intersection of W. Virginia Street and Church Street and also being near the southeast corner of the subject property. Elev.=642.63			

**RECORD
DRAWING**
REVISED TO CONFORM TO
CONSTRUCTION STANDARDS
Seth Kelly, P.E.
11-22-24
Date

**RLK
ENGINEERING**
RLK ENGINEERING, INC.
111 West Main
Allen, Texas 75013
(972) 359-1733 Off
(972) 359-1833 Fax
Texas Registration No. 579



WATER & SANITARY SEWER PLAN
UNION BEAR MCKINNEY
308 WEST VIRGINIA STREET
MCKINNEY, TEXAS

DESIGNED BY: RLK Engineering	TECH REVIEW: RLK	DRAWING FILE: 2207A WS.dwg	DRAWING SCALE: 1"=20'	SHEET: C 7
DRAWN BY: RLK Engineering	PEER REVIEW: RLK	DRAWING DATE: 8-1-23	PROJECT NUMBER: RLK 2207A	