UTILITY CONSTRUCTION NOTES

- WATER AND SANITARY SEWER SHALL BE PER CITY REQUIREMENTS.
 METER TO BE INSTALLED BY CITY.
- 2. SANITARY SEWER BACKFILL AND BEDDING PER CITY REQUIREMENTS.
- SPECIAL BACKFILL FOR SANITARY AND WATER TRENCHES UNDER PROPOSED PAVEMENT SHALL BE 1.5 SACK CEMENT STABILIZED
- 4. GUIDELINES SET FORTH IN THE MANUAL ON TXDOT UNIFORM TRAFFIC CONTROL DEVICES SHALL BE OBSERVED BY THE CONTRACTOR.
- 5. WATER LINES AND SANITARY SEVER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY STANDARDS, AS CURRENTLY AMENDED.
- 6. MINIMUM HORIZONTAL (OUT TO OUT) CLEARANCE BETWEEN SANITARY SEWER AND WATER LINES IS 10 FEET, UNLESS OTHERWISE INDICATED.
- SANITARY SEWERS WITHIN THE PROJECT SHALL BE PRIVATELY OWNED, OPERATED, AND MAINTAINED BY OWNERS.
- 8. ALL SPOIL MATERIAL SHALL BE REMOVED FROM SITE UNLESS OTHERWISE DIRECTED BY OWNER REPRESENTATIVE OR ENGINEER.
- ALL WATER LINES TO HAVE A MINIMUM OF 3 FEET OF COVER BELOW EXISTING NATURAL GROUND AND/OR PROPOSED PAVEMENT.
 WATER MAIN SHEL BE CLASS 200 PVC, C-900.
- 10. WATERLINE SERVICE PIPE SHALL BE 1" (MIN.)
- 11. ALL CONCRETE PAVEMENT CONSTRUCTION SHALL BE IN 3,500 PSI @ 28 DAY STRENGTH, AND BE ACCORDANCE WITH LATEST EDITION OF ACI-318.
- 12. ALL CONCRETE FOR UTILITY CONSTRUCTION SHALL HAVE A 28 DAY MINIMUM CONPRESSIVE STRENGTH OF 3000 PSI.
- 13. SANITARY SEWER PIPE MATERIAL IS PVC (SDR 26), ASTM D-3034.
- 14. ALL SDR/DR PVC PIPES ARE TO HAVE RUBBER GASKETED BELL-AND-SPIGOT TYPE JOINT ENDS, ASTM F477. ALL DR PVC PIPE USED IS TO HAVE CIP SIZE ODS.
- 15. CONTRACTOR SHALL CONTACT THE CITY BUILDING INSPECTION DEPARTMENT AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- 16. A DURABLE METAL WIRE SHALL BE CONCURRENTLY INSTALLED OR OTHER MEANS PROVIDED FOR DETECTION PURPOSES ON PVC PIPE.
- 17. CEMENT STABILIZED SAND SHALL PRODUCE A MINIMUM UNCONFINED COMPRESSIVE STRENGTH OF ONE HUNDRED POUNDS PER SQUARE INCH (100 PSI) IN FORTY-EIGHT (48) HOURS WHEN COMPACTED TO NINETY-FIVE PERCENT (95%) STANDARD PROCTOR DENSITY (ASTM D 698) WITHOUT ADDITIONAL MOISTURE CONTROL, CURED (ASTM C 31, ITEM 9), AND TESTED IN ACCORDANCE WITH ASTM C 31.

TRENCH SAFETY NOTES:

IF ANY TRENCH ON THIS JOB SITE, INCLUDING OPEN EXCAVATIONS WHOSE DIMENSIONS CAUSE THEM TO BE CONSIDERED TRENCHES BY OSHA, REGARDLESS OF WHETHER FOR THE INSTALLATION OF UTILITIES, FOUNDATIONS OR ANY OTHER SITE ELEMENT, IS EQUAL TO OR GREATER THAN 5.00' IN DEPTH, THEN THE CONTRACTOR SHALL NOT PERFORM ANY TRENCHING ON THIS SITE UNTIL HE HAS FIRST OBTAINED DETAILED PLANS AND SPECIFICATIONS FOR TRENCH SAFETY SYSTEMS CONFORMING TO OSHA REQUIREMENTS. SUCH PLANS AND SPECIFICATIONS SHALL BE PREPARED BY A REGISTERED PROFESSIONAL ENGINEER EMPLOYED BY OR CONTRACTED BY THE CONTRACTOR AND SHALL BE CONSIDERED A PART OF THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION. THE PROJECT ARCHITECT AND PROJECT ENGINEER ASSUME NO RESPONSIBILITY FOR THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION.

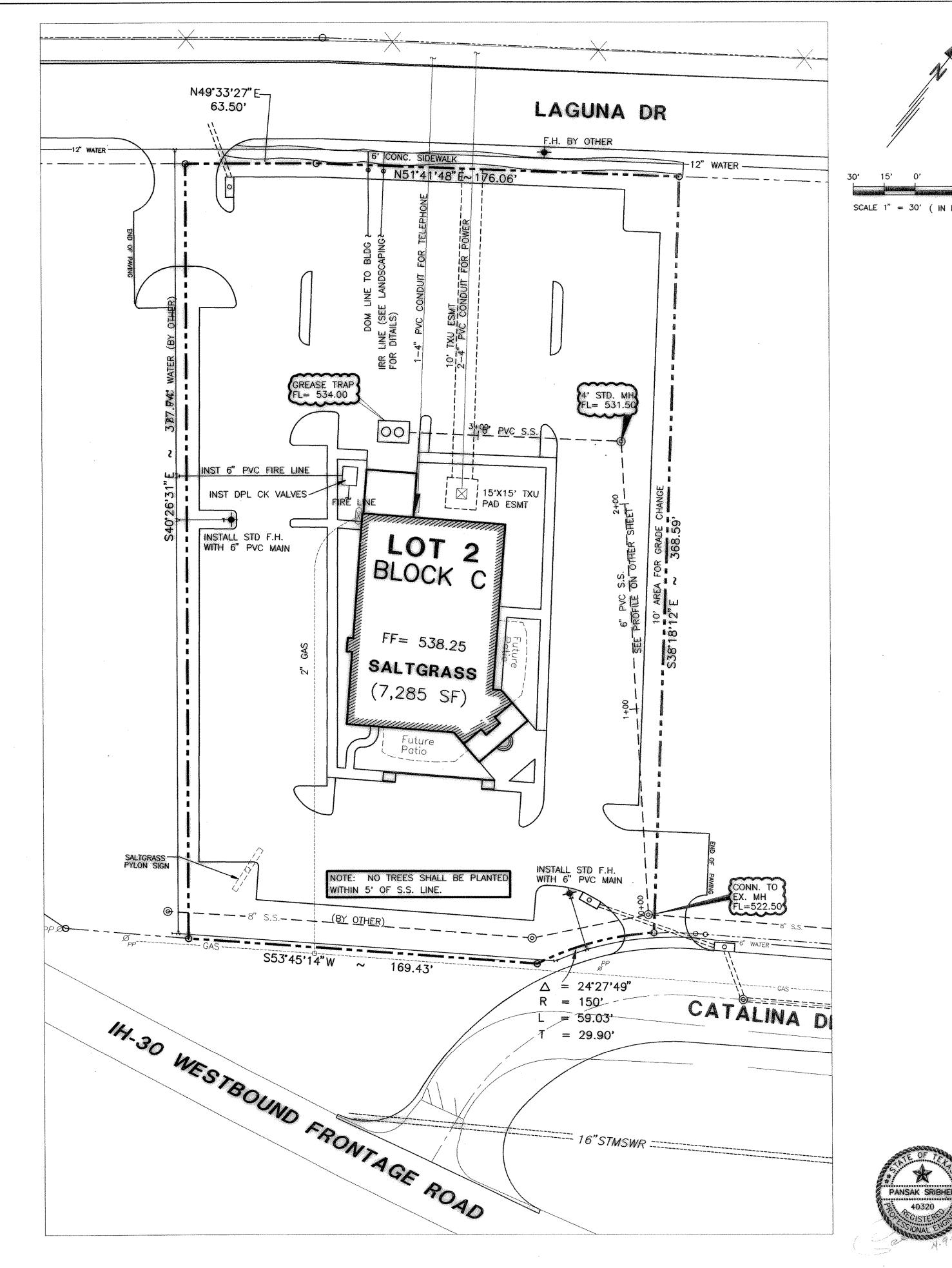
NOTES:

* CONTRACTOR SHALL FIELD VERIFY THE EXISTING SANITARY SEWER FLOW LINE AND ADJUST ALL THE PROPOSED SANITARY SEWER FLOW LINES TO MATCH THE EXISTING. THE ENGINEER SHALL BE CONTACTED BEFORE THE ACTUAL FLOW LINE ELEVATIONS ARE SET.

REFER TO BUILDING PLUMBING PLAN DETAILS FOR UTILITY LOCATIONS AT BUILDING

BENCH MARK:





CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSION.

THE JOB SITE AND NOTIFY THE ARCHITECTS OF ANY DIMENSION.

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GRASS STEAK HOUSE

GINEERING SA
17819 DAVING TANKS TANK

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DATE DESCRIPTION
7/19/00 FER CITY ENGINEER COMMENTS

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