CITY OF LEWISVILLE, TEXAS

CONSTRUCTION PLANS FOR

IH-35E UTILITY RELOCATION - FOX AVE. TO W. COLLEGE ST.

RCSJ NO. 0196-02-135
CSJ NO. 0196-02-128
LEWISVILLE PROJECT NO. U1301

100% SUBMITTAL

CITY OFFICIALS

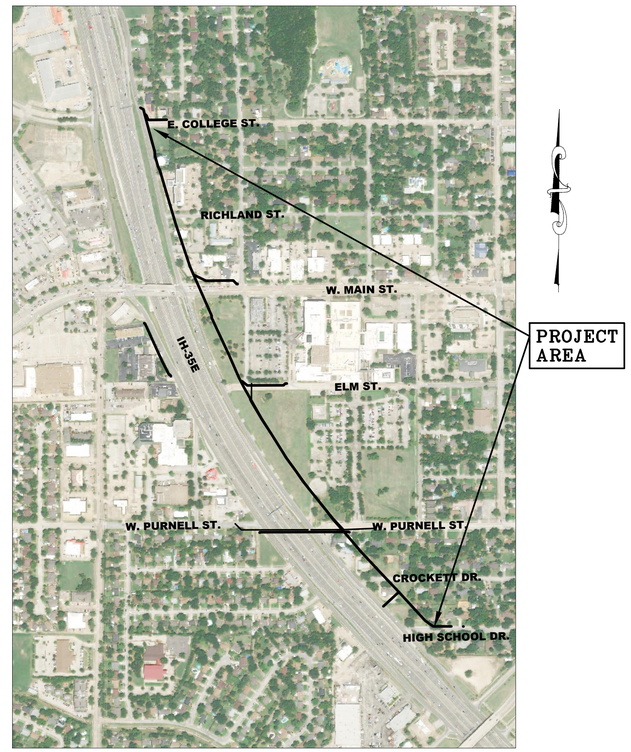
MAYOR
TJ GILMORE

MAYOR PRO TEM
KRISTEN GREEN

CITY COUNCIL
BOB TROYER
WILLIAM J. MERIDITH
RONNI CADE
BRANDON JONES

CITY MANAGER
DONNA BARRON

CITY ENGINEER
DAVID SALMON, P.E.



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N.T.S.

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CITY OF LEWISVILLE
ENGINEERING DEPT.
151 W. CHURCH ST.
LEWISVILLE, TX 75057

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December 2021

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER

12/2/2021

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18365800 - FOX TO COLLEGE

GENERAL NOTES

1. CONTRACTOR MUST KEEP AVAILABLE ON-SITE AT ALL TIMES APPROVED CONSTRUCTION PLANS AND COPIES OF ANY REQUIRED PERMITS ALONG WITH THE CURRENT VERSIONS OF THE FOLLOWING REFERENCES: CITY OF LEWISVILLE ENGINEERING STANDARDS AND NCTCOG SPECIFICATIONS.
2. ALL CONSTRUCTION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY'S CURRENT STANDARDS, DETAILS AND SPECIFICATIONS.
3. TESTING AND INSPECTION OF MATERIALS SHALL BE PERFORMED BY A COMMERCIAL TESTING LABORATORY APPROVED BY THE CITY. CONTRACTOR SHALL FURNISH MATERIALS OR SPECIMENS FOR TESTING, AND SHALL FURNISH SUITABLE EVIDENCE THAT THE MATERIALS PROPOSED TO BE INCORPORATED INTO THE WORK ARE IN ACCORDANCE WITH THE SPECIFICATIONS.
4. CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
5. THE CITY OF LEWISVILLE'S INSPECTOR OVERTIME POLICY ALLOWS THE CONTRACTOR TO WORK FROM 7:00 A.M. TO 7:00 P.M., MONDAY THROUGH SATURDAY. ANY REQUEST TO WORK ON A SATURDAY MUST BE MADE PRIOR TO 12:00 P.M. ON THURSDAY AFTERNOON AND WILL REQUIRE A MINIMUM OF FOUR (4) HOUR CHARGE. THE CONTRACTOR SHALL PAY OVERTIME CHARGES OF $45.00 PER HOUR TO THE CITY OF LEWISVILLE FOR WORK OUTSIDE THE NORMAL WORK WEEK (8:00 A.M. TO 5:00 P.M. MONDAY THROUGH FRIDAY). NO WORK IS ALLOWED ON SUNDAYS OR CITY HOLIDAYS WITHOUT WRITTEN APPROVAL FROM THE CITY ENGINEER OR DESIGNEE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TWO (2) YEAR, 100% MAINTENANCE BOND TO THE CITY OF LEWISVILLE FOR ALL PUBLIC IMPROVEMENTS (WATER, SANITARY SEWER, STORM DRAINAGE, PAVEMENT, SIDEWALK, SCREENING WALLS, TRAFFIC SIGNALS, PAVEMENT MARKINGS, AND EXCAVATION/FILL) WITHIN RIGHT-OF-WAYS OR EASEMENTS.
7. NO WATER JETTING IS ALLOWED FOR WATER, SANITARY SEWER, OR STORM SEWER DRAINAGE CONSTRUCTION.
8. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO BEGINNING ANY CONSTRUCTION.
9. CONTRACTOR MUST KEEP AVAILABLE ON-SITE AT ALL TIMES APPROVED CONSTRUCTION PLANS AND COPIES OF ANY REQUIRED PERMITS ALONG WITH THE CURRENT VERSIONS OF THE FOLLOWING REFERENCES: CITY OF LEWISVILLE ENGINEERING STANDARDS AND NCTCOG SPECIFICATIONS.
10. ALL TRENCHES THAT ARE EXCAVATED TO A DEPTH IN EXCESS OF FIVE (5) FEET SHALL BE EXCAVATED AND MAINTAINED IN A MANNER THAT MEETS ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS. PRIOR TO THE EXCAVATION AND CONSTRUCTION OF THE TRENCH(ES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TWO (2) COPIES OF THE TRENCH SAFETY PLANS PREPARED BY A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH OSHA STANDARDS.
11. ALL EMBEDMENT AND BACKFILL SHALL BE WETTED TO APPROXIMATE OPTIMUM MOISTURE AND COMPACTED IN EIGHT (8) INCH LIFTS TO 95% STANDARD PROCTOR DENSITY. DENSITY TESTS SHALL BE OBTAINED FOR EACH LIFT AND FOR EACH 150 LINEAL FEET OF TRENCH OR INCREMENT THEREOF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A COPY OF ALL GEOTECHNICAL LABORATORY REPORTS/TEST RESULTS TO THE CITY OF LEWISVILLE.
12. THERE SHALL BE NO FILLING IN THE FLOODPLAIN OR DUMPING WITHIN THE CITY OF LEWISVILLE WITHOUT AN APPROVED GRADING PLAN AND/OR FILL PERMIT.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING ALL FIELD CHANGES TO THE PLANS. THE PROJECT ENGINEER SHALL INCORPORATE THESE CHANGES IN THE "RECORD DRAWINGS".****
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CONSTRUCTION SURVEYING AND STAKING AND SHALL NOTIFY THE CITY OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH ANY WORK.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL SURVEY MARKERS INCLUDING IRON RODS, PROPERTY CORNERS, OR SURVEY MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION AND OUTSIDE ROW DURING CONSTRUCTION. ANY SURVEY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.
16. CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE WITH WEEKLY PROGRESS REPORTS AND THE CONTRACTOR SHALL PERIODICALLY REVISE AND RESUBMIT THE CONSTRUCTION SCHEDULE AS REQUIRED.
17. CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND DRIVEWAYS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS AT ALL TIMES. CONTRACTOR SHALL CLEAN UP AND REMOVE ALL LOOSE MATERIAL RESULTING FROM CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST.
18. THE EXISTENCE AND LOCATIONS OF THE PUBLIC AND FRANCHISE UTILITIES SHOWN ON THE DRAWING WERE OBTAINED FROM THE AVAILABLE RECORDS AND ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING, TRENCHING, OR DRILLING AND SHALL BE REQUIRED TO TAKE ANY PRECAUTIONARY MEASURE TO PROTECT ALL LINES SHOWN AND / OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PUBLIC AGENCIES AND FRANCHISE UTILITIES 48 HOURS PRIOR TO CONSTRUCTION (DIG-TESS 1-800-344-8377). THE CONTRACTOR MAY BE REQUIRED TO EXPOSE THESE FACILITIES AT NO COST TO THE CITY. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGES TO UTILITIES IF THE DAMAGE IS CAUSED BY NEGLIGENCE OR FAILURE TO HAVE LOCATES PREFORMED.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES OR ADJACENT PROPERTIES DURING CONSTRUCTION. ANY REMOVAL OR DAMAGE TO EXISTING FACILITIES SHALL BE REPLACED OR REPAIRED TO EQUAL OR BETTER CONDITION BY THE CONTRACTOR.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL TEMPORARY AND PERMANENT TRAFFIC CONTROL IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE LATEST REVISION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) AND TXDOT BARRICADE AND CONSTRUCTION STANDARDS.
21. CONTRACTOR SHALL NOT IMPEDE TRAFFIC ON EXISTING STREETS, DRIVEWAYS, ALLEYS, OR FIRE LANES OPEN TO THE PUBLIC. IN THE EVENT THE CONSTRUCTION WORK REQUIRES THE CLOSURE OF AN EXISTING STREET, DRIVEWAY, ALLEY OR FIRE LANE, THE CONTRACTOR SHALL REQUEST THE ROAD CLOSURE FROM THE CITY A MINIMUM OF 48 HOURS IN ADVANCE OF THE REQUESTED CLOSURE. CONTRACTOR MUST OBTAIN PERMISSION PRIOR TO ANY ROAD CLOSURES. CLOSURES WILL NOT BE ALLOWED PRIOR TO 9:00 A.M. OR AFTER 3:30 P.M., MONDAY THROUGH FRIDAY UNLESS OTHERWISE APPROVED BY THE CITY.
22. CONTRACTOR SHALL NOT STORE MATERIALS, EQUIPMENT, OR OTHER CONSTRUCTION ITEMS ON ADJACENT PROPERTIES OR RIGHT-OF-WAY WITHOUT THE PRIOR WRITTEN CONSENT OF PROPERTY OWNER AND THE CITY.
23. UNUSABLE EXCAVATED MATERIAL, OR CONSTRUCTION DEBRIS SHALL BE REMOVED AND DISPOSED OF OFFSITE AT AN APPROVED DISPOSAL FACILITY BY THE CONTRACTOR AT HIS EXPENSE.
24. CONTRACTOR SHALL AVOID DAMAGE TO EXISTING TREES. WHEN NECESSARY, TREES AND SHRUB TRIMMING FOR CONSTRUCTION SHALL BE PERFORMED BY A CERTIFIED TREE WORKER OR UNDER THE DIRECTION OF A REGISTERED LANDSCAPE ARCHITECT OR CERTIFIED ARBORIST. NO TREE TRIMMING OR TREE REMOVAL IS PERMITTED PRIOR TO CITY APPROVAL OF EACH TREE.
25. CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING LANDSCAPE IRRIGATION SYSTEMS. DAMAGE TO EXISTING IRRIGATION SYSTEMS AND LANDSCAPE MATERIALS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT NO COST TO CITY BY A LICENSED IRRIGATION INSTALLER.
26. CONTRACTOR SHALL REPLACE ALL SIGNS, MAIL BOXES, LIGHT POLES, ELECTRIC AND UTILITY BOXES, AND ALL OTHER STRUCTURES THAT ARE DAMAGED OR REMOVED DURING CONSTRUCTION (NO SEPARATE PAY ITEM).
27. CONTRACTOR SHALL REPLACE ALL DAMAGED SOD WITH BLOCK SOD WITH 4-INCH TOP SOIL IN ALL AREAS DISTURBED ALONG THE LENGTH OF THE PROJECT.
28. DAMAGED CURB AND GUTTER SHALL BE REPLACED WITH 6-INCH REINFORCED CONCRETE CURB AND GUTTER (SEE STANDARD DETAIL).
29. PAVEMENT REPAIR PAY QUANTITIES WILL BE LIMITED TO THE MAXIMUM TRENCH WIDTH PLUS TWO FEET UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. ANY ADDITIONAL TRENCHING REQUIRED FOR TRENCH SAFETY PURPOSES SHALL BE CONSIDERED PART OF THE UNIT PRICE FOR TRENCH SAFETY.
30. THE CONTRACTOR SHALL NOT BE PERMITTED TO HAVE ANY OPEN TRENCHES AT THE END OF EACH WORKING DAY UNLESS APPROVED BY THE ENGINEER.
31. IN OPEN CONSTRUCTION AREAS THAT MAY POSE A POTENTIAL RISK TO THE HEALTH, SAFETY AND WELFARE OF THE PUBLIC, THE CONTRACTOR SHALL BE REQUIRED TO ERECT TEMPORARY CONSTRUCTION FENCING, WHICH, WHERE DEEMED NECESSARY, MAY INCLUDE CHAIN LINK FENCE (NON-PAY ITEM).
32. ALL CUT AND FILL SLOPES SHALL BE 4:1 EXCEPT AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CUT SLOPES MAY BE STEEPENED TO PROTECT EXISTING TREES AND FENCES ONLY WITH PRIOR APPROVAL OF THE ENGINEER. ALL PROPERTY ADJACENT TO THE PROPOSED CONSTRUCTION SHALL BE GRADED AS DIRECTED BY THE ENGINEER (NON-PAY ITEM).
33. WHERE APPLICABLE, THE CONTRACTOR SHALL PLACE RUBBER MATS OR EARTH ON THE PAVEMENT TO PROTECT IT FROM TRACK MARKS AND/OR CRACKING DURING CONSTRUCTION (NON-PAY ITEM).
34. ALL DISTURBED AREAS SHALL BE FINISHED TO GRADE, SMOOTHED WITH A SUITABLE CEMENT FREE TOP SOIL (2" MINIMUM) AND SEEDED OR SODDED AS OUTLINED IN THE SPECIFICATIONS OR DIRECTED BY THE ENGINEER.
35. ALL EXISTING PAVEMENT, CURB AND GUTTER, AND SIDEWALK TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR.
36. THE CONTRACTOR SHALL GIVE THE CITY, RESIDENTS AND BUSINESSES AFFECTED BY ANY ANTICIPATED WATER OR WASTEWATER SERVICE DISRUPTIONS AT LEAST FORTY EIGHT (48) HOURS PRIOR NOTICE.
37. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, PROTECTING, SUPPORTING AND/OR BRACING ALL UNDERGROUND UTILITIES (MAINS OR SERVICES), POWER POLES AND/OR LIGHT POLES WITHIN THE PROJECT LIMITS. ANY DAMAGE TO THE SAME SHALL BE IMMEDIATELY REPORTED TO APPLICABLE AUTHORITIES, OWNER'S, CITY'S FRANCHISE UTILITY SUPERVISOR, AND CITY'S ENGINEERING INSPECTOR. DAMAGED WATER & WASTEWATER MAINS/SERVICES SHALL BE IMMEDIATELY REPAIRED/REPLACED AT THE DIRECTION OF AND NO ADDITIONAL COST TO THE CITY. OTHER UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED/REPLACED BY THE RESPECTIVE OWNER AT THEIR DISCRETION AND SCHEDULE AND AT NO ADDITIONAL COST TO THE CITY. ANY DAMAGE TO EXISTING PAVEMENT, SUBGRADE, SIDEWALKS, BUS PADS, IRRIGATION SYSTEMS, SOD, ETC. THAT ARE DIRECTLY RELATED TO THE REPAIR/REPLACEMENT OF A DAMAGED UNDERGROUND UTILITY SHALL BE REPAIRED/REPLACED AT THE DIRECTION OF AND NO ADDITIONAL COST TO THE CITY.
38. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL WATER METERS TO FACILITATE THE READING OF THE METERS BY THE CITY'S METER READERS AND SHALL MAINTAIN ACCESS TO EXISTING VALVES, MANHOLES, METERS AND CLEANOUTS FOR CITY PERSONNEL IN CASE OF EMERGENCY CUT OFFS OR WASTEWATER OVERFLOWS.
39. ALL EXISTING UTILITY SIZES AND LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR MUST FIELD VERIFY ALL EXISTING UTILITY SIZES BEFORE ORDERING MATERIALS. NO COMPENSATION WILL BE MADE FOR ORDERING THE WRONG SIZE.
40. WHEN FIELD VERIFICATION OF EXISTING UTILITIES DIFFERS FROM WHAT IS SHOWN ON THE PLANS, ANY SUPPOSED DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ENGINEERS ATTENTION BEFORE PROCEEDING.
41. IF THE CONTRACTOR IS NOT PROVIDING ADEQUATE TRAFFIC CONTROL, INCLUDING BUT NOT LIMITED TO FLAG MEN, WORK SHALL BE STOPPED IMMEDIATELY AND SHALL NOT BE ALLOWED TO CONTINUE UNTIL THE CONTRACTOR HAS A MEETING WITH THE CITY ENGINEER.
42. ANY ABANDONED UTILITIES IN CONFLICT WITH PROPOSED UTILITIES SHALL BE REMOVED TO FACILITATE PROPER INSTALLATION OF THE PROPOSED UTILITIES, NON-PAY ITEM.
43. ALL WATER AND WASTEWATER CONSTRUCTION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY'S CURRENT STANDARDS, DETAILS, AND SPECIFICATIONS UNLESS OTHERWISE NOTED, AND WITH NCTCOG STANDARD CONSTRUCTION SPECIFICATIONS, 4TH EDITION.
44. ALL TRENCHING, EMBEDMENT, AND BACKFILL WILL BE INCIDENTAL TO THE UNIT COST OF PIPE.

GENERAL NOTES FOR PAVING

1. PROPOSED PAVING OR PAVING REMOVED FOR CONSTRUCTION TO BE REPLACED SHALL BE 4,200 PSI CONCRETE AT 3 DAYS (#4 BARS AT 18-INCHES) WITH A 6-INCH SUBGRADE SCARIFIED AND COMPACTED TO 95% PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT OF +/-2%.
2. ALL PAVING CONSTRUCTION, TESTING, AND MATERIALS, INCLUDING CONCRETE, REINFORCEMENT, JOINTING, AND SUBGRADE PREPARATIONS AND TREATMENT SHALL BE IN ACCORDANCE WITH THE CITY'S CURRENT STANDARDS, DETAILS, AND SPECIFICATIONS AND THE NCTCOG STANDARD CONSTRUCTION SPECIFICATIONS, 5TH EDITION UNLESS OTHERWISE NOTED.
3. ABSOLUTELY NO EARTHWORK OR OTHER PREPARATION OF THE SUBGRADE FOR PAVING STREETS, ALLEYS, OR FIRE LANES SHALL BE INITIATED WITHOUT AUTHORIZATION FROM THE CITY. THE CITY WILL AUTHORIZE THE SUBGRADE WORK IN PREPARATION FOR PAVING AFTER UTILITY TRENCH BACKFILL TESTING HAS BEEN COMPLETED AND VERIFIED TO MEET CITY REQUIREMENTS.
4. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL PEDESTRIAN WORK MEETS OR EXCEEDS THE CURRENT AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND THE TEXAS ACCESSIBILITY STANDARDS (TAS). THE CONTRACTOR SHALL REMOVE AND REPLACE ANY CONSTRUCTED OR INSTALLED ITEMS NOT MEETING THE CURRENT ADAAG AND TAS REQUIREMENTS AT NO ADDITIONAL COST TO THE CITY.
5. THE CONTRACTOR SHALL REMOVE AND REPLACE ANY CONCRETE PAVEMENT (DRIVE APPROACHES / STREET PANELS) WITHIN FIVE (5) DAYS OF SAW CUTTING THE PAVEMENT. CONCRETE PAYMENT SUBJECT TO VEHICULAR TRAFFIC SHALL HAVE COMPRESSIVE STRENGTH OF 4,200 PSI AT 3 DAYS. ***
6. THE USE OF FLY ASH IS NOT ALLOWED IN THE CONCRETE MIX DESIGN.

GENERAL NOTES FOR EROSION CONTROL AND STORM WATER

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING EROSION CONTROL IN ACCORDANCE WITH THE EROSION CONTROL IN ACCORDANCE WITH THE EROSION CONTROL PLAN PREPARED BY THE ENGINEER AND AS IDENTIFIED ON THE STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) PREPARED BY THE CONTRACTOR. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL DEVICES WHEN FIELD CONDITIONS WARRANT OR AS DIRECTED BY THE CITY OF LEWISVILLE INSPECTOR.
2. THE PERMITTED OPERATOR SHALL SUBMIT COPIES OF THE SWPPP, NOTICE OF INTENT (N.O.I.) AND THE NOTICE OF TERMINATION (N.O.T.) AND THE NOTICE OF TERMINATION (N.O.T.) TO THE CITY OF LEWISVILLE FOR APPROVAL AS PART OF THE SUBMITTAL TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).
3. STEEL POST SHALL NOT BE USED TO INSTALL EROSION CONTROL MEASURES WITHIN CITY ROW.
4. NO EQUIPMENT SHALL BE CLEANED ON-SITE, OR OTHER LIQUIDS DEPOSITED AND ALLOWED TO FLOW OVERLAND OR SUBTERRANEAN WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF TREES THAT REMAIN ON SITE. THIS INCLUDES PAINT, OIL, SOLVENTS, ASPHALT, CONCRETE, CONCRETE EQUIPMENT WASH WATER, MORTAR OF SIMILAR MATERIALS. ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH ALL GOVERNING AGENCIES, ENTITIES, AND CITY ORDINANCES AND REGULATIONS.
5. EROSION CONTROL DEVICES SHALL BE INSTALLED ON ALL PROJECTS AS PER PLAN PRIOR TO BEGINNING CONSTRUCTION AND SHALL BE MAINTAINED THROUGHOUT THE PROJECT IN A CONDITION ACCEPTABLE TO THE CITY.
6. CONTRACTOR SHALL PROVIDE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AT CONTRACTOR'S EXPENSE AND DELIVER TO PRE-CONSTRUCTION MEETING. ALL SWPPP COST SHALL BE SUBSIDIARY TO EROSION CONTROL BID ITEMS.

WATER NOTES

1. WATER LINES OF TWELVE (12) INCHES (NOMINAL) OR LESS IN DIAMETER SHALL BE AWWA STANDARD C900, CLASS 235 (DR-18).
2. ALL WATER MAINS SHALL HAVE A 42-INCH MINIMUM COVER FROM FINISHED GRADE TO TOP OF PIPE.
3. ALL WATER MAIN PIPE FITTINGS WILL BE IN ACCORDANCE WITH THE CITY OF LEWISVILLE STANDARD DETAILS AND SPECIFICATIONS.
4. FITTINGS SHALL BE EITHER GRAY OR DUCTILE IRON AND SHALL BE CEMENT LINED INSIDE AND BITUMINOUS COATED ON THE OUTSIDE. WHERE CONNECTIONS ARE MADE TO PIPES OF DISSIMILAR MATERIALS, SUITABLE ADAPTORS SHALL BE USED.
5. ALL DUCTILE IRON FITTINGS SHALL BE OF MECHANICAL JOINT TYPE OR SLIP JOINT TYPE AND SHALL BE CLASS D OR CLASS 250ON SIZES 12" OR SMALLER IN ACCORDANCE WITH AWWA SPECIFICATION C-110-12 AND SPECIFICATION C-111-12.
6. ALL FIRE HYDRANTS SHALL MEET THE CITY OF LEWISVILLE STANDARD FIRE HYDRANT SPECIFICATIONS. FIRE HYDRANT SHALL BE MUELLER SUPER CENTURION, CLOW MEDALLION, WATEROUS WB-67, OR EQUAL WITH CITY APPROVAL.
7. THE LOCATION OF ALL NEW FIRE HYDRANTS SHALL BE REVIEWED IN THE FIELD AND APPROVED BY THE CITY INSPECTOR.
8. ALL EXISTING FIRE HYDRANTS ON WATER LINES THAT WILL BE PLUGGED/KILLED AS PART OF THIS PROJECT SHALL BE REMOVED, SALVAGED AND DELIVERED TO A LOCATION ACCEPTABLE TO THE CITY.
9. PIPE JOINTS SHALL BE OF THE "PUSH-ON" TYPE UNLESS OTHERWISE NOTED.
10. VALVES 12-INCH AND SMALLER SHALL BE GATE VALVES. ALL VALVES SHALL BE FLANGED. GATE VALVES ON LATERALS SHALL BE ATTACHED TO A FLANGED OUTLET, TEE OR CROSS. VALVES SHALL CONFORM TO AWWA C-509.
11. VALVES, VAULT LIDS, FIRE HYDRANTS AND METER BOXES SHALL BE LOCATED OUTSIDE OF SIDEWALK AREAS.
12. CONTRACTOR SHALL NOT OPERATE EXISTING VALVES. CONTACT THE CITY'S PUBLIC WORKS DEPARTMENT TO REQUEST VALVE CHANGE.
13. ALL VALVES SHALL BE ABANDONED ON EXISTING WATER LINES THAT WILL BE KILLED/ABANDONDED AS PART OF THIS PROJECT. CONTRACTOR SHALL REMOVE EACH VALVE COVER/LID AND FILL THE VALVE STACK WITH SAND OR 2 SACK CONCRETE MIX. (NO SEPARATE PAY ITEM).
14. ALL VERTICAL AND HORIZONTAL BENDS SHALL BE REVIEWED IN THE FIELD AND APPROVED BY THE CITY INSPECTOR.
15. ALL WATER CONSTRUCTION, TESTING, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY'S CURRENT STANDARDS, DETAILS, AND SPECIFICATIONS UNLESS OTHERWISE NOTED, AND WITH NCTCOG STANDARD CONSTRUCTION SPECIFICATIONS, 4TH EDITION.
16. CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL EXISTING ACTIVE WATER SERVICES AND SHALL CONSTRUCT NEW SERVICE LINES FROM THE NEW WATER MAIN TO THE METER PRIOR TO KILLING THE EXISTING WATER MAIN. EACH METER SHALL HAVE A DEDICATED SERVICE LINE FROM THE NEW MAIN. THE SERVICE LINE SHALL INCLUDE CORPORATION AND CURB STOPS, AS SHOWN ON THE CITY OF LEWISVILLE STANDARD DETAIL. THE EXISTING METERS AND METER BOXES WILL NOT BE REPLACED.
17. ALL EXISTING WATER MAINS THAT WILL BE KILLED AND ABANDONED SHALL BE FILLED WITH FLOWABLE GROUT AFTER NEW MAIN IS PLACED IN SERVICE.
18. ALL BOLTS, WASHERS, AND HEX NUTS SHALL BE STAINLESS STEEL. HIGH STRENGTH CORTEN T-HEAD BOLTS AS APPLICABLE. STAINLESS PLATING NOT ACCEPTABLE.
19. THE CUTTING AND PLUGGING OF EXISTING WATER LINES, TEES, CROSSES, ETC. ASSOCIATED WITH THE DIRECT CONNECTION OF NEW WATER MAINS TO EXISTING MAINS SHALL BE CONSIDERED AS PART OF THE UNIT PRICE FOR WET CONNECTIONS.
20. THE CONTRACTOR SHALL CENTER A FULL 20 FOOT LONG JOINT OF THE PROPOSED PIPE AT A STORM DRAIN CROSSING IF THE PROPOSED PIPE MUST PASS UNDER THE STORM DRAIN.
21. PROPOSED OR EXISTING WATER LINES CROSSING PROPOSED OR EXISTING WASTEWATER LINES SHALL COMPLY WITH THE RULES OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AS DESCRIBED IN CHAPTER 217: DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS AND CHAPTER 290: PUBLIC DRINKING WATER OF THE TEXAS ADMINISTRATIVE CODE.
22. ALL DUCTILE IRON FITTINGS SHALL BE POLYWRAPPED.
23. A MINIMUM OF ONE (1) FOOT CLEARANCE (HORIZONTALLY OR VERTICALLY AT THE DISCRETION OF THE CITY) SHALL BE REQUIRED BETWEEN THE PROPOSED WATER LINE AND DRAINAGE STRUCTURES OR STORM DRAINAGE PIPE. THE CONTRACTOR SHALL NOT BE PERMITTED TO USE BENDS (UNLESS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER) TO MEET THE ABOVE MENTIONED CRITERIA. THE CONTRACTOR SHALL DEFLECT THE PIPE TO ACHIEVE THE MINIMUM VERTICAL SEPARATION. THE CONTRACTOR SHALL PROVIDE CUT STAKES AT ALL DRAINAGE STRUCTURES AND STORM DRAIN PIPE CROSSINGS TO VERIFY THE WATER MAIN DEPTH.
24. WATER LINES ALLOWED TO BE CONSTRUCTED UNDER ANY PROPOSED CURB INLETS SHALL BE STEEL ENCASED.
25. THE CONTRACTOR SHALL TRANSFER ALL EXISTING METERED SERVICES AFTER THE PROPOSED WATER MAIN HAS BEEN TESTED AND APPROVED BY THE ENGINEER. NO SERVICE SHALL BE DISRUPTED FOR A PERIOD LONGER THAN SIX (6) HOURS. ALL SERVICES SHALL BE 3/4", 1", 1-1/2", OR 2" EXCEPT AS NOTED ON THE PLANS.
26. ALL GATE VALVES TO BE ABANDONED SHALL HAVE THE VALVE STACKS REMOVED AND BACKFILLED. ALL VALVE STACKS DEEMED SATISFACTORY BY THE ENGINEER MAY BE UTILIZED DURING THE CONSTRUCTION OF THE PROPOSED VALVES. THE REMOVAL OF SAID VALVE STACKS BY THE CONTRACTOR SHALL BE CONSIDERED A NON-PAY ITEM.
27. ANY GATE VALVES REQUIRED TO BE REMOVED DURING CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CITY OF LEWISVILLE AND THE CONTRACTOR SHALL TRANSPORT ALL ABANDONED GATE VALVES TO THE CITY OF LEWISVILLE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER (NON-PAY ITEM).
28. THE FIRE HYDRANTS AND SHOES WHICH ARE REMOVED FROM THE EXISTING MAIN SHALL REMAIN THE PROPERTY OF THE CITY OF LEWISVILLE. THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE THE FIRE HYDRANTS AND SHOES WHEN REMOVED FROM THE EXISTING MAIN OR WHEN TRANSPORTED TO THE CITY OF LEWISVILLE. SUBSIDIARY TO OTHER BID ITEMS.
29. THE CONTRACTOR SHALL DECHLORINATE THE WATER AS REQUIRED IN THE PROPOSED MAIN AFTER STERILIZATION (SECTION 33 04 40).

WASTEWATER NOTES

1. SANITARY SEWER LINES SHALL BE PVC SDR 35 OR AS NOTED ON THE CONSTRUCTION PLANS.
2. MANHOLES SHALL BE PRECAST, UNLESS OTHERWISE APPROVED BY THE CITY.
3. THE CONTRACTOR SHALL PERFORM A TELEVISION INSPECTION OF THE NEW SANITARY SEWER LINE AS PER THE CITY OF LEWISVILLE GENERAL DEVELOPMENT ORDINANCES.
4. THE CONTRACTOR SHALL MAINTAIN FLOW IN THE EXISTING WASTEWATER MAIN LINES AND PROVIDE ALL WASTEWATER BY-PASSES AS REQUIRED TO PERFORM THE WORK UNTIL ALL CONNECTIONS HAVE BEEN MADE TO THE PROPOSED SYSTEM (NON-PAY ITEM).
5. ALL CONNECTIONS TO EXISTING AND PROPOSED MANHOLES SHALL BE CONSIDERED AS A NON-PAY ITEM.
6. ALL EXISTING WASTEWATER MAINS TO BE ABANDONED SHALL BE FILLED WITH SAND OR GROUT BY THE CONTRACTOR AS NOTED ON THE PLANS AND SHALL BE PAID PER LINEAR FOOT PER SECTION 02 41 14.
7. ALL MANHOLE CASTINGS AND FRAMES WHICH ARE REMOVED IN ASSOCIATION WITH SECTION 02 41 14 "UTILITY REMOVAL ABANDONMENT" SHALL REMAIN THE PROPERTY OF THE CITY OF LEWISVILLE AND SHALL BE TRANSPORTED BY THE CONTRACTOR TO THE CITY OF LEWISVILLE. (SUBSIDIARY TO SECTION 02 41 14).
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND CONNECTING THE EXISTING WASTEWATER SERVICES TO THE NEW WASTEWATER MAIN. ALL WASTEWATER SERVICE TRANSFERS TO THE NEW MAIN SHALL BE MADE **AFTER** THE MAIN HAS BEEN TESTED AND APPROVED (EXCEPT WHEN THE PROPOSED WASTEWATER LINE IS TO BE PLACED IN THE SAME TRENCH AS THE EXISTING WASTEWATER LINE) OR AS DIRECTED BY THE ENGINEER. NO WASTEWATER SERVICE SHALL BE DISRUPTED LONGER THAN SIX (6) HOURS. ALL WASTEWATER SERVICES SHALL BE FOUR (4) INCH P.V.C. OF THE SAME SDR AS THE MAIN THE SERVICE IS BEING CONNECTED TO, EXCEPT AS NOTED BY THE ENGINEER. THE CONTRACTOR MAY OPEN CUT DRIVEWAYS TO INSTALL WASTEWATER SERVICES UNLESS SPECIFIED OTHERWISE ON THE PLANS. ALL SERVICES UNDER EXISTING PAVEMENT SHALL BE BORED. THE ENGINEER MAY CHANGE AND ALTER THE LINE, GRADE AND FORM OF THE PROPOSED WASTEWATER SERVICES AS MAY BE NECESSARY OR DESIRABLE TO INSURE COMPLETION OF SUCH SERVICES IN THE MOST SATISFACTORY MANNER. SUCH CHANGES SHALL NOT BE CONSIDERED SUFFICIENT BASIS FOR CLAIMS FOR ADDITIONAL COMPENSATION FOR EXTRA WORK OR FOR INCREASING THE PAY QUANTITIES IN ANY MANNER WHATSOEVER.
9. WHEN THE PROPOSED WASTEWATER LINE IS TO BE PLACED IN THE SAME TRENCH AS THE EXISTING WASTEWATER LINE, THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO ROUTE THE UPSTREAM WASTEWATER FLOW IN THE EXISTING WASTEWATER LINE INTO THE DOWNSTREAM MANHOLE AND INTO THE PROPOSED WASTEWATER LINE THAT IS INSTALLED DOWNSTREAM DURING THE CONSTRUCTION (NON-PAY ITEM). THE CONTRACTOR SHALL INSTALL THE WASTEWATER SERVICES AND TRANSFER THE SANITARY SERVICES AS THE PROPOSED WASTEWATER LINE IS INSTALLED. THE CONTRACTOR SHALL REMOVE THE EXISTING WASTEWATER MAIN AS THE PROPOSED MAIN IS INSTALLED (NON-PAY ITEM). THE CONTRACTOR SHALL NOT BE REQUIRED TO PRESSURE TEST THIS SECTION OF THE PROPOSED LINE AFTER THE INSTALLATION IS COMPLETED. THE CONTRACTOR SHALL MAKE A TEMPORARY CONNECTION BETWEEN THE PROPOSED WASTEWATER LINE THAT IS INSTALLED AND THE EXISTING WASTEWATER LINE AT THE END OF EACH WORKING DAY TO MAINTAIN FLOW IN THE WASTEWATER LINE (NON-PAY ITEM).
10. CLEAN OUTS WILL BE INSTALLED AT THE PROPERTY LINE ON EACH WASTEWATER LATERAL.
11. ABANDONMENT OF EXISTING CLEAN OUTS IS A NON-PAY ITEM AND IS CONSIDERED SUBSIDIARY TO ABANDONMENT OF WASTEWATER MAIN.

TRAFFIC AND ACCESS CONTROL

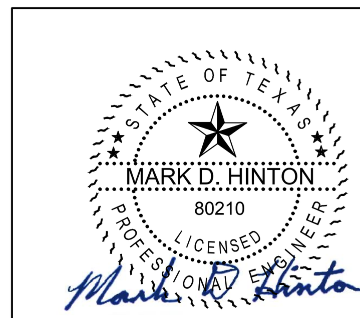
1. THE CONTRACTOR SHALL ROUTE TRAFFIC AND BARRICADE ALL ROADS AS REQUIRED BY THE CITY. THE CONTRACTOR SHALL ALSO ROUTE TRAFFIC AND BARRICADE ALL ROADS AS REQUIRED BY THE TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) WHEN CONSTRUCTION IS WITHIN TXDOT RIGHT-OF-WAY. ALL BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES REQUIRED FOR THE PROJECT SHALL BE PAID PER SECTION 34 71 13 OF THESE SPECIFICATIONS.
2. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN AT LEAST TWO BUSINESS DAYS PRIOR TO ANY CONSTRUCTION WITHIN THE PUBLIC STREET RIGHT-OF-WAY. BARRICADES, TEMPORARY PAVEMENT MARKINGS, AND SIGNS SHALL BE MAINTAINED IN GOOD CONDITION MEETING THE LEGIBILITY AND RETROREFLECTIVITY REQUIREMENTS OF THE CURRENT EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES UNTIL THE COMPLETION AND ACCEPTANCE OF ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY OR UNTIL CONTRACTOR IS DIRECTED OTHERWISE.
3. ELECTRONIC ARROW DISPLAYS (PANEL TYPE B OR C) MEETING THE REQUIREMENTS OF PART VI, SECTION 6F-3 OF THE LATEST EDITION OF THE *TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS* SHALL BE USED FOR ALL LANE CLOSURES ON ANY STREET OR HIGHWAY DESIGNATED ON THE CURRENT EDITION OF THE CITY OF IRVING MASTER THOROUGHFARE PLAN, AND AT ANY ADDITIONAL LOCATION SPECIFICALLY IDENTIFIED AS REQUIRING ARROW DISPLAY TRAFFIC CONTROL ON THE TRAFFIC CONTROL PLAN FOR THIS PROJECT IF THAT FACILITY IS OPENED TO PUBLIC TRAFFIC. COPIES OF THE CITY OF IRVING COMPREHENSIVE PLAN MASTER THOROUGHFARE PLAN ARE AVAILABLE FROM THE DEPARTMENT OF PUBLIC WORKS, TRAFFIC DIVISION UPON REQUEST. EXCEPTIONS TO THIS PROVISION MAY BE REQUESTED FROM THE DIRECTOR OF PUBLIC WORKS OR HIS DESIGNATED AGENT.
4. ELECTRONIC PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS), MEETING THE REQUIREMENTS OF PART VI, SECTION 6F-2 OF THE LATEST EDITION OF THE *TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS* SHALL BE USED WHENEVER ANY PORTION OF A ROADWAY IS TO BE CLOSED TO TRAFFIC IN EITHER OR BOTH DIRECTIONS, AND AT ANY OTHER LOCATION OR SITUATION DESIGNATED ON THE TRAFFIC CONTROL PLAN. THE PCMS SHALL BE IN PLACE, PROGRAMMED AND IN OPERATION AT LEAST SEVEN (7) CALENDAR DAYS BEFORE THE ROADWAY CLOSING. THE PCMS SHALL BE MAINTAINED IN GOOD OPERATING CONDITION UNTIL APPROVED CONSTRUCTION BARRICADING AND SIGNING IS IN PLACE AND THE ROADWAY IS ACTUALLY CLOSED TO TRAFFIC. THE DEPARTMENT OF PUBLIC WORKS, TRAFFIC DIVISION WILL ASSIST THE CONTRACTOR IN THE PREPARATION OF AND SHALL APPROVE THE MESSAGE(S) TO BE DISPLAYED BY THE PCMS.
5. NO WORK SHALL COMMENCE WITHIN EXISTING STREET RIGHT-OF-WAY WITHOUT AN APPROVED TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST TWO (2) BUSINESS DAYS PRIOR TO BEGINNING WORK WITHIN THE RIGHT-OF-WAY, OR BEFORE PERFORMING ANY WORK WHICH WILL OBSTRUCT OR IMPEDE THE NORMAL FLOW OF TRAFFIC.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL CROSS STREETS (NON-PAY ITEM).

Company Contact Phone and email

COMPANY	CONTACT	PHONE	EMAIL
AT&T	ROBERT ALDAPE	972-523-9415	RA8642@ATT.COM
ATMOS MIDTEX	RON HAYS	940-380-7479	RON.HAYS@ATMOSENERGY.COM
BRAZOS ELECTRIC TRANS	TIM HARTZ	254-750-6761	TIM.HERTZ@BRAZOSELECTRIC.COM
CENTURYLINK (LEVEL 3)	KEN HUCKABEE	469-426-4005	KEN.HUCKABEE@CENTURYLINK.COM
CHARTER-SPECTRUM	ASHLEY SINGLETON	469-426-4005	ASHLEY.SINGLETON@CHARTER.COM
CITY OF LEWISVILLE	JEFFERY KELLY	972-219-3510	JKELLY@CITYOFLEWISVILLE.COM
TIME-WARNER CABLE	JASON AYALA	817-298-3600	JASON.AYALA@CHARTER.COM
TEXAS-NEW MEXICO DIST	CARLOS ESTRADIA	972-353-5050 EXT. 5006	CARLOS.ESTRADIA@TNMP.COM
UNITE PRIVATE NETWORKS	NICK OSULLIVAN	214-470-2710	NICHOLAS.O'SULLIVAN@UPNFIBER.COM
VERIZON - FRONTIER	MICHAEL GRAY	214-897-1749	MICHAEL.D.GRAY@FTR.COM
VERIZON BUSINESS MCI	JEFF BUEHLER	469-886-4219	JEFF.BUEHLER@VERIZON.COM

LEGEND

EX. PROPERTY LINE	PROP. WASTEWATER
EX. RIGHT-OF-WAY LINE	PROP. WATER
EX. EASEMENT LINE	PROP. STORMWATER
EX. OVERHEAD ELECTRIC	PROP. DEMO WATER
EX. UNDERGROUND ELECTRIC	PROP. DEMO WASTEWATER
EX. SANITARY SEWER	PROP. STORM INLET
EX. GAS	PROP. STORM MANHOLE
EX. WATER	PROP. WASTEWATER MANHOLE
EX. OVERHEAD TELEPHONE	REMOVE AND REPLACE MANHOLE
EX. TELEPHONE	PROP. CLEANOUT
EX. CABLE	PROP. WATER VALVE
EX. FIBER OPTICS	PROP. WATER TEE
EX. CHAIN LINK FENCE	PROP. REDUCER
EX. WOOD FENCE	PROP. BEND
EX. WIRE FENCE	PROP. WATER METER
EX. ORNAMENTAL FENCE	PROP. COMBINATION AIR RELEASE VALVE
EX. FENCE OTHER	
EX. STORM SEWER (24" STM)	PROP. BLOW-OFF VALVE
EX. DITCH	PROP. FIRE HYDRANT
EX. ASPHALT	PROP. ENCASEMENT
EX. PAVEMENT	PROP. PLUG
PROPOSED PAVEMENT	
PROPOSED RIGHT-OF-WAY LINE	
WETLAND RESTRICTION ZONE	
100yr FLOODPLAIN BOUNDARY	
EX. TRANSMISSION TOWER	
EX. ELECTRICAL TRANSFORMER BOX	
EX. ELECTRICAL POWER BOX	
EX. ELECTRIC MANHOLE	
EX. ELECTRIC METER	
EX. TRAFFIC SIGNAL POWER BOX	
EX. POWER POLE	
EX. LIGHT POLE	
EX. DOWN GUY AND ANCHOR	
EX. TELEPHONE MANHOLE	
EX. TELEPHONE PEDESTAL	
EX. TELEPHONE PEDESTAL	
EX. TELEPHONE HAND HOLE	
EX. FIBER OPTIC VAULT	
EX. FIBER OPTIC MANHOLE	
EX. FIBER OPTIC HANDHOLE	
EX. WATER FIRE HYDRANT	
EX. WATER MANHOLE	
EX. WATER VALVE	
EX. WATER METER	
EX. WATER VAULT	
EX. WASTE WATER MANHOLE	
EX. CLEAN OUT	
EX. WASTE WATER VALVE	
EX. WASTE WATER VAULT	
EX. GAS VENT	
EX. GAS METER	
EX. GAS TRANSFORMER	
UTILITY CONTINUITY	
END OF UTILITY LINE	
SURVEY CONTROL POINT	
TEMPORARY PAVEMENT REPAIR	
PERMANENT PAVEMENT REPAIR	



REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

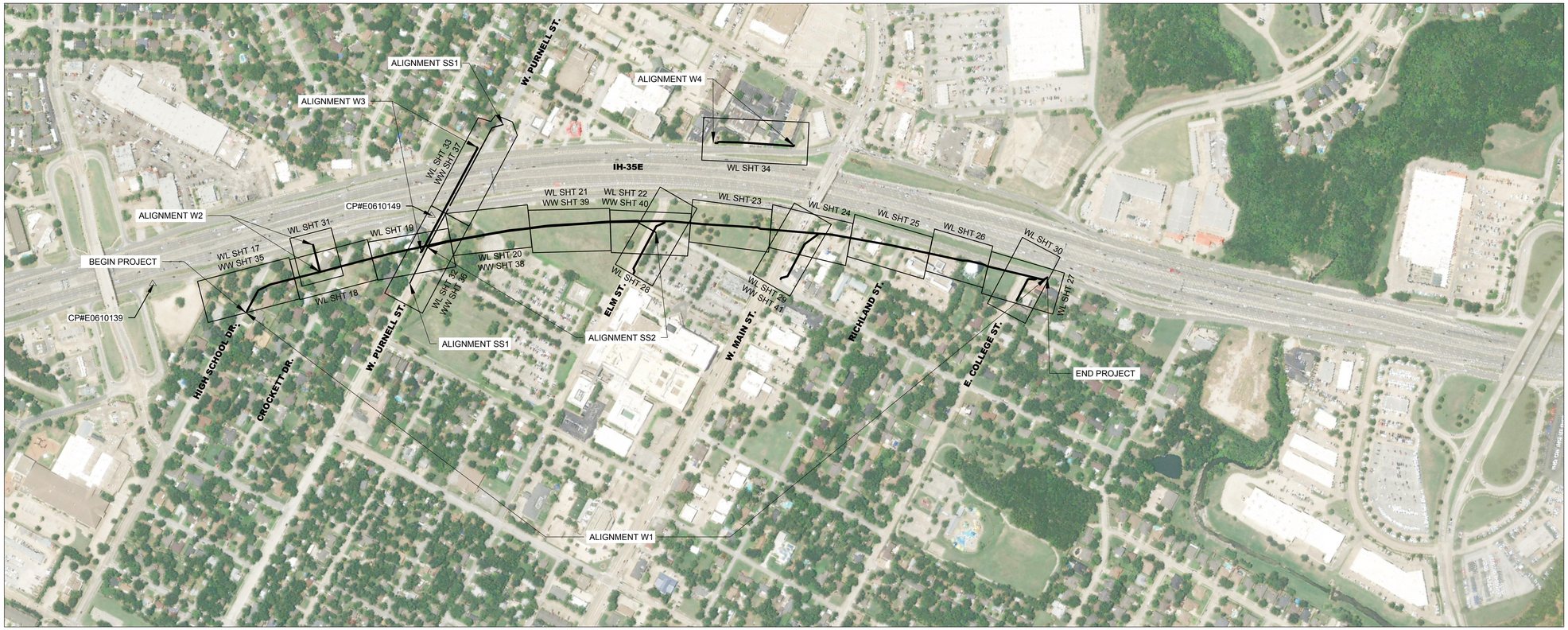
FOX AVE. TO W. COLLEGE ST.

GENERAL SHEETS
GENERAL NOTES AND LEGEND

rjngroup — *Texas Registered Engineering Firm F-3260* — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH / DRAWN: PRR / CHECKED: JRC	DATE	SCALE	PROJECT NO.	SHEET
	Dec 2021	N.T.S	18-3658-00	2 OF 74

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATION\05_CAD\03_SHEETS\18365800-COVER.DWG
PLOTTED ON 01/12/2021, TIME 5:00:45 PM BY RICHARDOLANIYI



SURVEYOR'S NOTES

1. THE COORDINATES AND DISTANCES ARE U.S. SURVEY FEET DISPLAYED IN SURFACE VALUES. THE SURFACE VALUES WERE CALCULATED BY MULTIPLYING THE GRID VALUES BY THE COMBINED TXDOT SCALE FACTOR FOR DENTON COUNTY 1.00015063.

2. THE HORIZONTAL COORDINATES ARE BASED ON TXDOT VIRTUAL REFERENCE STATIONS BASED ON THE TEXAS CORRDINATE SYSTEM, NORTH CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83) 2011 ADJUSTMENT, EPOCH 2010.00

3. THE VERTICAL CONTROL IS BASED ON TXDOT VIRTUAL REFERENCE STATIONS, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV 88) USING GEOID MODEL 12B.

CONTROL POINTS:

CP #E0610139 - 8 INCH X 36 INCH CONCRETE MARKER WITH TXDOT ALUMINUM CAP

LOCATED ON THE EAST SIDE OF IH-35E NORTH BOUND FEEDER ROAD APPROXIMATELY 615 FEET SOUTH FROM THE CENTERLINE OF HIGH SCOOL DRIVE AND 230 FEET NORTH FROM THE CENTERLINE OF FOX AVENUE.

SURFACE N=7065231.71

SURFACE E=2427819.63

GRID N=7064167.63

GRID E=2427453.99

ELEV.=541.54

CP #E0610149 - 8 INCH X 36 INCH CONCRETE MARKER WITH TXDOT ALUMINUM CAP

LOCATED ON THE EAST SIDE OF IH-35E NORTH BOUND FEEDER ROAD APPROXIMATELY 45 FEET SOUTH FROM THE CENTERLINE OF PURNELL STREET AND 420 FEET NORTH FROM THE CENTERLINE OF CROCKETT DRIVE.

SURFACE N=7066289.98

SURFACE E=2426858.19

GRID N=7065225.74

GRID E=2426492.69

ELEV.=543.32

0 300' 600'

SCALE: 1"=300'

IF PLAN SHEET IS 11X17
SCALE: 1"=600'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER

12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

GENERAL SHEETS
PROJECT LAYOUT

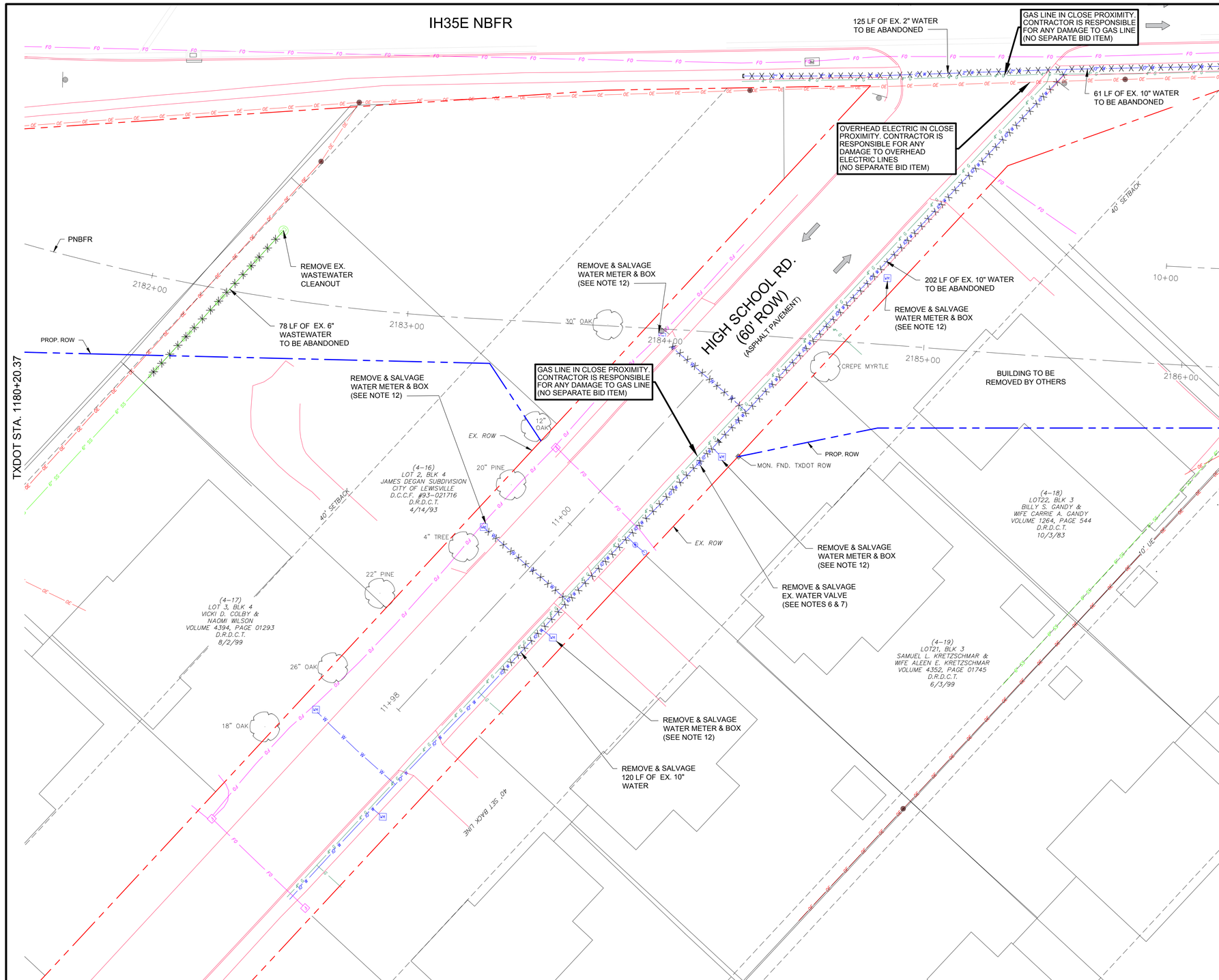
rjngroup

Texas Registered Engineering Firm F-3260

RJN GROUP, INC.
14755 PRESTON RD. SUITE 710
DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	AS NOTED	18-3658-00	3 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\6_CAD\03_SHEETS\1885800-COVER.DWG
PLOTTED ON 01/12/2021, TIME 5:00:53 PM BY RICHARDOLANYI



NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO MANUFACTURING PIPE AND BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE WITH EXISTING FRANCHISE UTILITIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR EXISTING STRUCTURES AND ANY DAMAGE THAT IS CAUSED BY THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
4. PROPOSED WATER AND WASTEWATER MAINS TO BE INSTALLED BETWEEN 3 - 10 FT FROM ROW. PROPOSED WATER AND WASTEWATER MAINS TO BE NO CLOSER THAN 2.5 FT FROM BACK OF PROPOSED CONCRETE CURB.
5. CONTRACTOR TO FIELD VERIFY ALL EXISTING WATER SERVICE CONNECTIONS AND CONNECT TO PROPOSED WATER MAINS.
6. ALL GATE VALVES TO BE ABANDONED SHALL HAVE THE VALVE STACKS REMOVED AND BACKFILLED. THE REMOVAL OF SAID VALVE STACKS BY THE CONTRACTOR SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS.
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9. ALL MANHOLE CASTINGS AND FRAMES WHICH ARE REMOVED IN ASSOCIATION WITH SPECIFICATION 02 41 14 "UTILITY REMOVAL / ABANDONMENT" SHALL REMAIN THE PROPERTY OF THE CITY OF LEWISVILLE. AND SHALL BE TRANSPORTED BY THE CONTRACTOR TO THE CITY.
10. ABANDONMENT OF EXISTING WATER OR WASTEWATER MAINS TO BE IN ACCORDANCE WITH SPECIFICATION 02 41 14 "UTILITY REMOVAL / ABANDONMENT".
11. CONTRACTOR TO COORDINATE WITH JASON LLOYD (JASON.LLOYD@TXDOT.GOV; 214-320-6623) WITH TXDOT REGARDING REMOVAL OF EXISTING BUILDINGS.
12. ANY WATER METERS AND BOXES REMOVED DURING CONSTRUCTION SHALL BECOME PROPERTY OF THE CITY OF LEWISVILLE AND THE CONTRACTOR SHALL TRANSPORT TO THE CITY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER (SUBSIDIARY TO OTHER BID ITEMS)

LEGEND:

- WATER ABANDONMENT
- WASTEWATER ABANDONMENT

WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA, CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

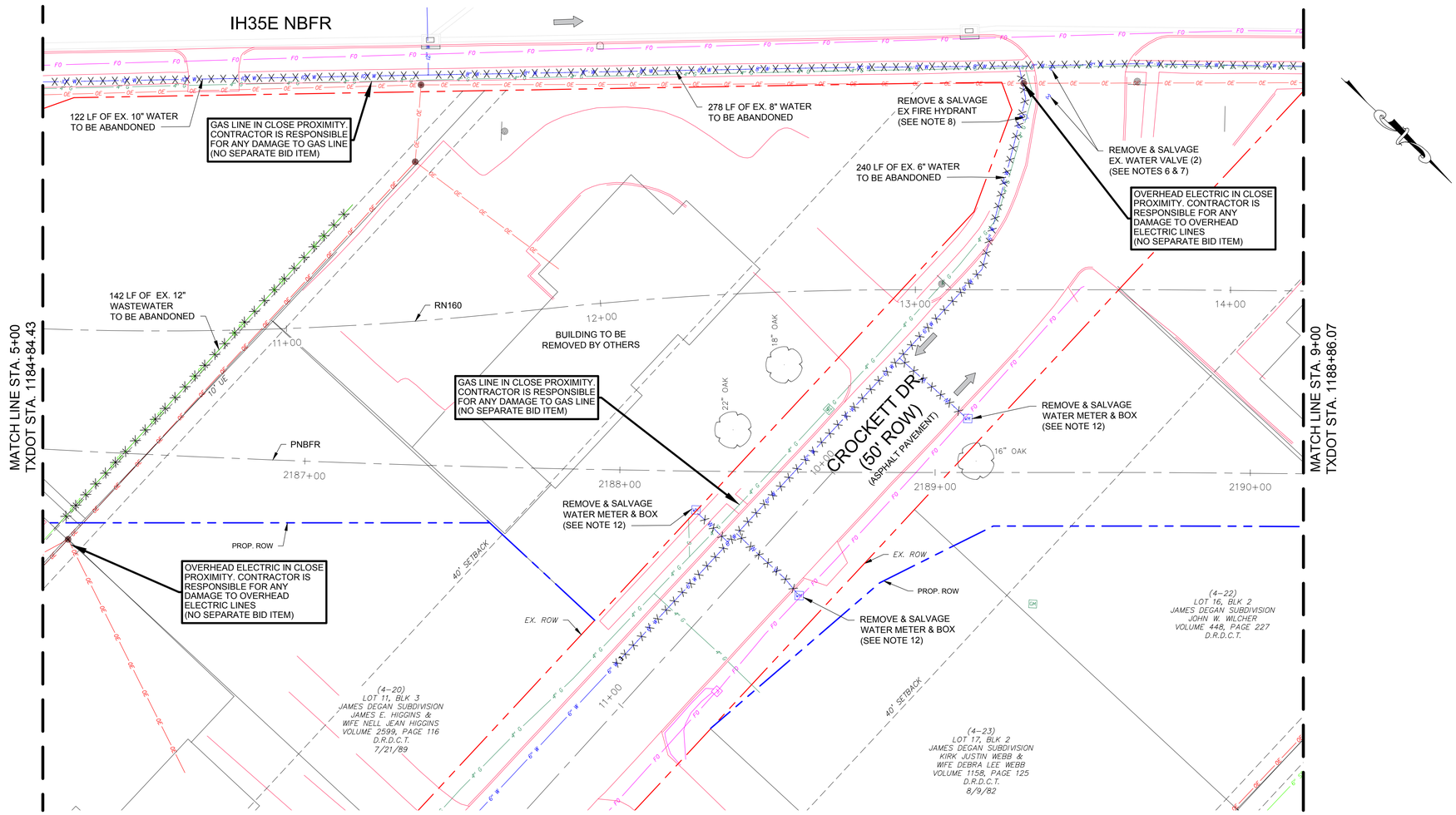
FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W1
FROM STA. 1+00 TO STA. 5+00

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	4 OF 74
CHECKED: JRC				

\\DAL-PANZERA1\OFFICE-1\RTEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATION\06_CAD\D_SHEETS\1856800-FOX TO COLLEGE-DEMO.DWG
PLOTTED ON 01/12/2021, TIME 5:01:34 PM BY RICHARDOLANYI



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LEGEND:

- WATER ABANDONMENT
- WASTEWATER ABANDONMENT

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EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA, CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
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14755 Preston Rd. Suite 710
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0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

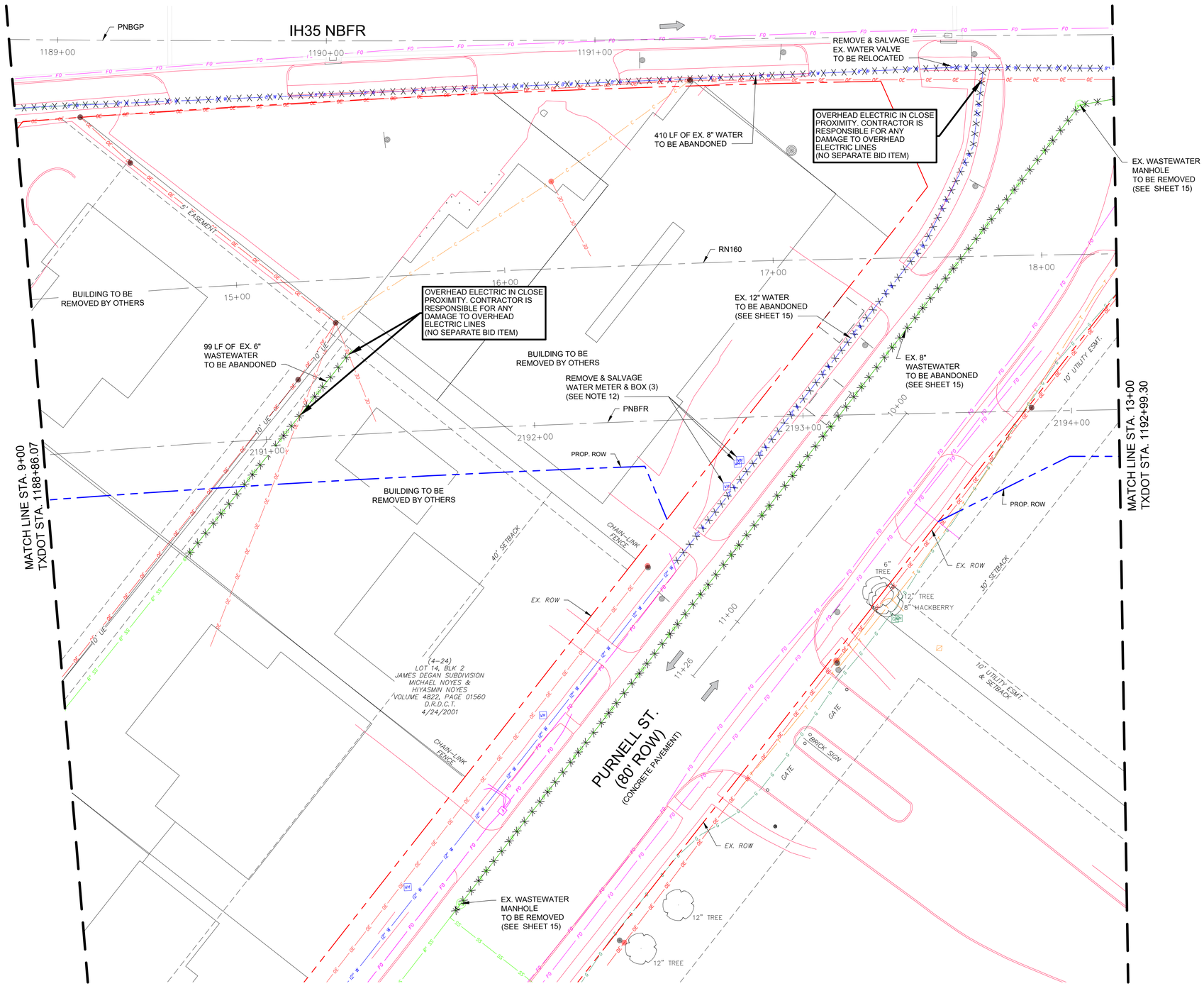
FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W1
FROM STA. 5+00 TO STA. 9+00

rjngroup *Texas Registered Engineering Firm F-3260* RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH DRAWN: PRR CHECKED: JRC	DATE	SCALE	PROJECT NO.	SHEET
	Dec 2021	1"=20'	18-3658-00	5 OF 74

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATION\05_CAD\03_SHEETS\1855800-FOX TO COLLEGE-DEMO.DWG
PLOTTED ON 01/12/2021, TIME 5:01:49 PM BY RICHARDOLANXY



NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO MANUFACTURING PIPE AND BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE WITH EXISTING FRANCHISE UTILITIES PRIOR TO CONSTRUCTION.
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4. PROPOSED WATER AND WASTEWATER MAINS TO BE INSTALLED BETWEEN 3 - 10 FT FROM ROW. PROPOSED WATER AND WASTEWATER MAINS TO BE NO CLOSER THAN 2.5 FT FROM BACK OF PROPOSED CONCRETE CURB.
5. CONTRACTOR TO FIELD VERIFY ALL EXISTING WATER SERVICE CONNECTIONS AND CONNECT TO PROPOSED WATER MAINS.
6. ALL GATE VALVES TO BE ABANDONED SHALL HAVE THE VALVE STACKS REMOVED AND BACKFILLED. THE REMOVAL OF SAID VALVE STACKS BY THE CONTRACTOR SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS.
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LEGEND:

- WATER ABANDONMENT
- WASTEWATER ABANDONMENT

WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA. CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

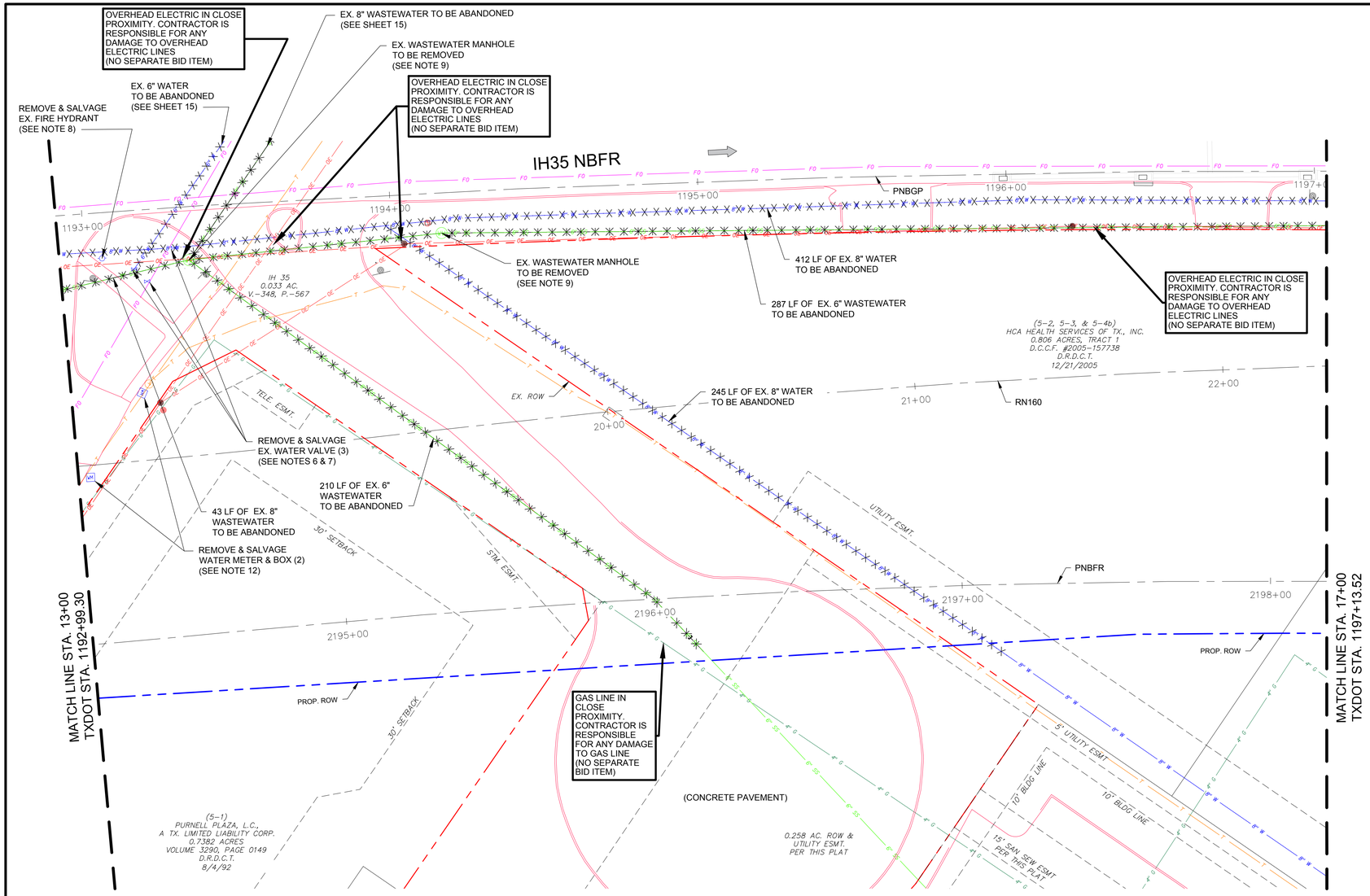
FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W1
FROM STA. 9+00 TO STA. 13+00

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	6 OF 74
CHECKED: JRC				

\\DAL-PANDURA\OFFICE-18\TEXAS\LEWISVILLE\18-3658.00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\5_CAD\3_SHEETS\18658000 FOX TO COLLEGE-DEMO.DWG
PLOTTED ON 01/12/2021, TIME 5:02:34 PM BY: RICHARDOLANY1



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LEGEND:

- x-x-x-x-x WATER ABANDONMENT
- ✕✕✕✕ WASTEWATER ABANDONMENT

WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA, CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

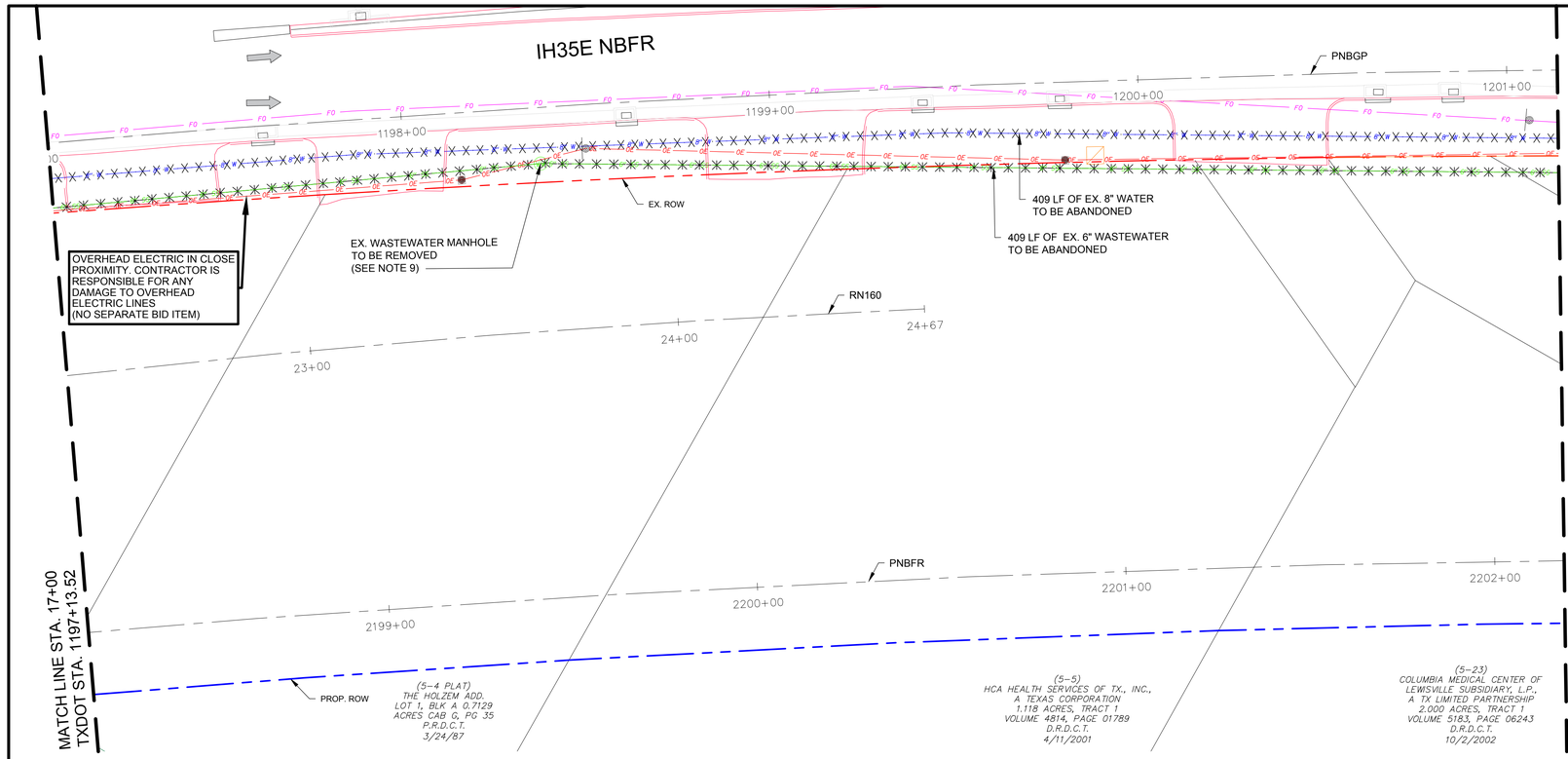
FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W1
FROM STA. 13+00 TO STA. 17+00

rjngroup — *Texas Registered Engineering Firm F-3260* — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	7 OF 74
CHECKED: JRC				

\\DAL-PANZER\TOFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATION\06_CAD\03_SHEETS\18585800-FOX TO COLLEGE-DEMO.DWG
PLOTTED ON 01/12/2021, TIME 5:02:19 PM BY RICHARDOLANYK



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LEGEND:

- WATER ABANDONMENT
- WASTEWATER ABANDONMENT

WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA, CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

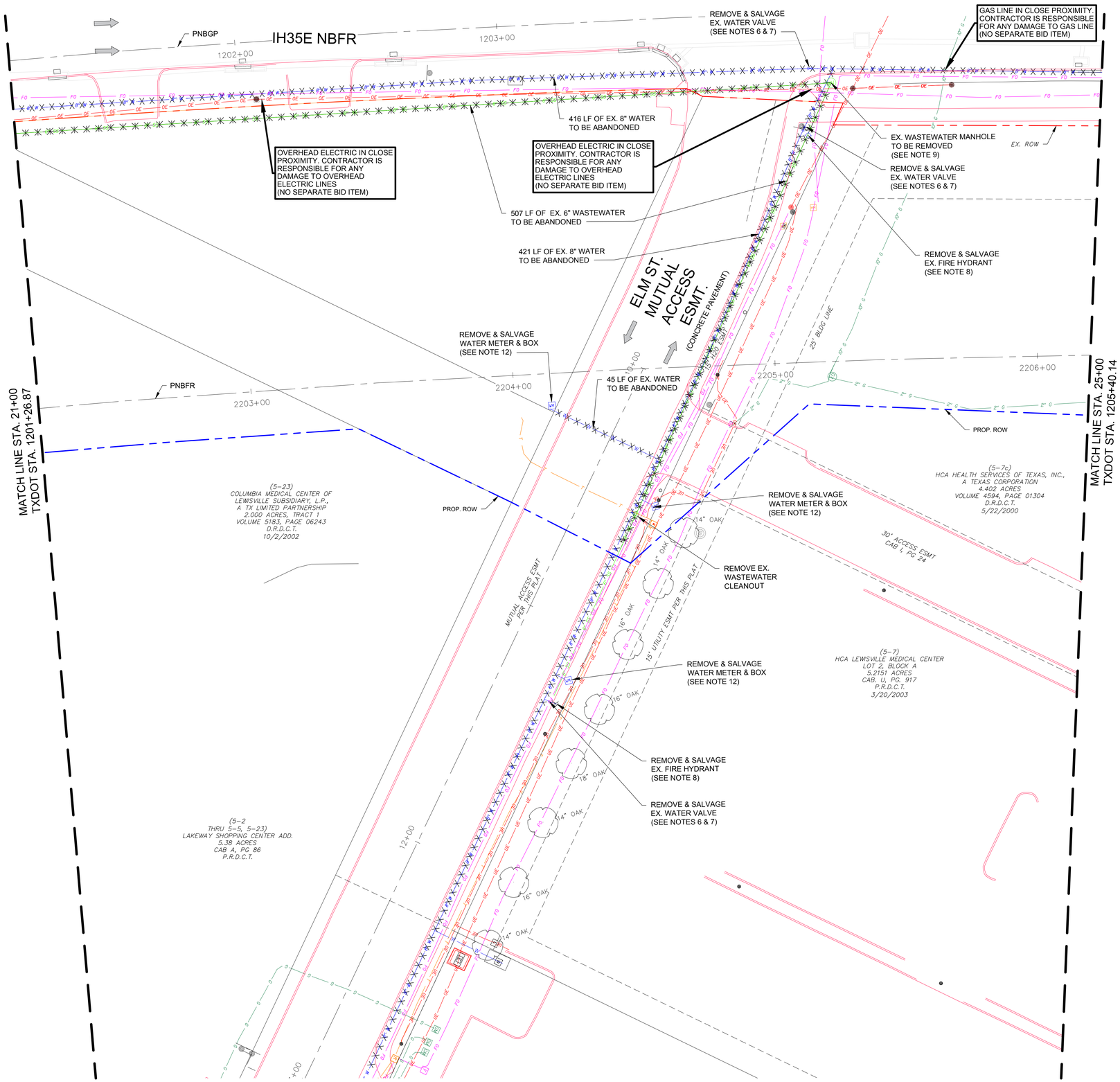
FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W1
FROM STA. 17+00 TO STA. 21+00

rjngroup
Texas Registered Engineering Firm F-3260
RJN GROUP, INC.
14755 PRESTON RD. SUITE 710
DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	8 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\5_CAD\3_SHEETS\1835800-FOX TO COLLEGE-DEMO.DWG
PLOTTED ON 01/12/2021, TIME 5:02:33 PM BY RICHARDOLANYI



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LEGEND:

- WATER ABANDONMENT
- WASTEWATER ABANDONMENT

WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA, CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
TexasOne

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W1
FROM STA. 21+00 TO STA. 25+00

rjngroup *Texas Registered Engineering Firm F-3260* RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	9 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\05_CADD_SHEETS\18365800-FOX TO COLLEGE-DEMO.DWG
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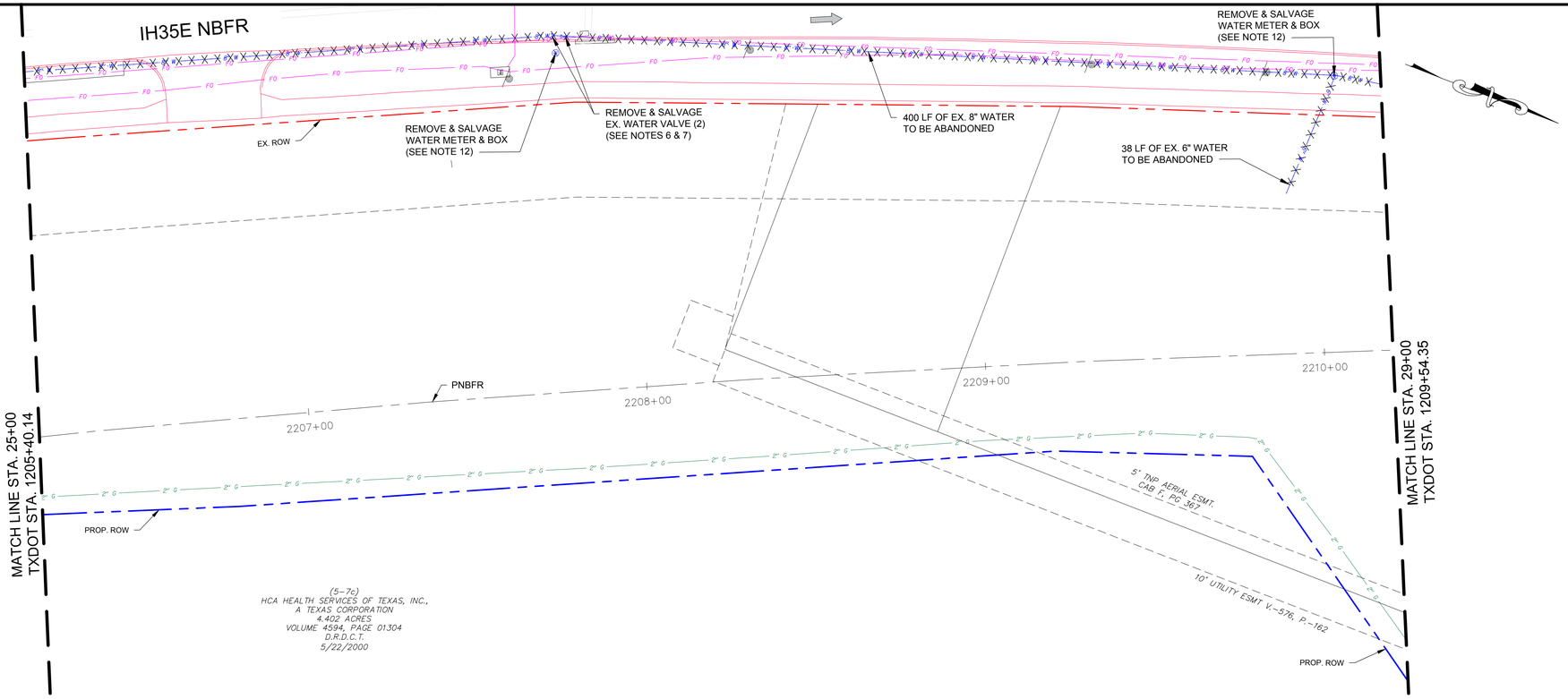

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Texas811

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STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W1
FROM STA. 25+00 TO STA. 29+00

rjngroup
Texas Registered Engineering Firm F-3260
RJN GROUP, INC.
14755 PRESTON RD. SUITE 710
DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	10 OF 74
CHECKED: JRC				

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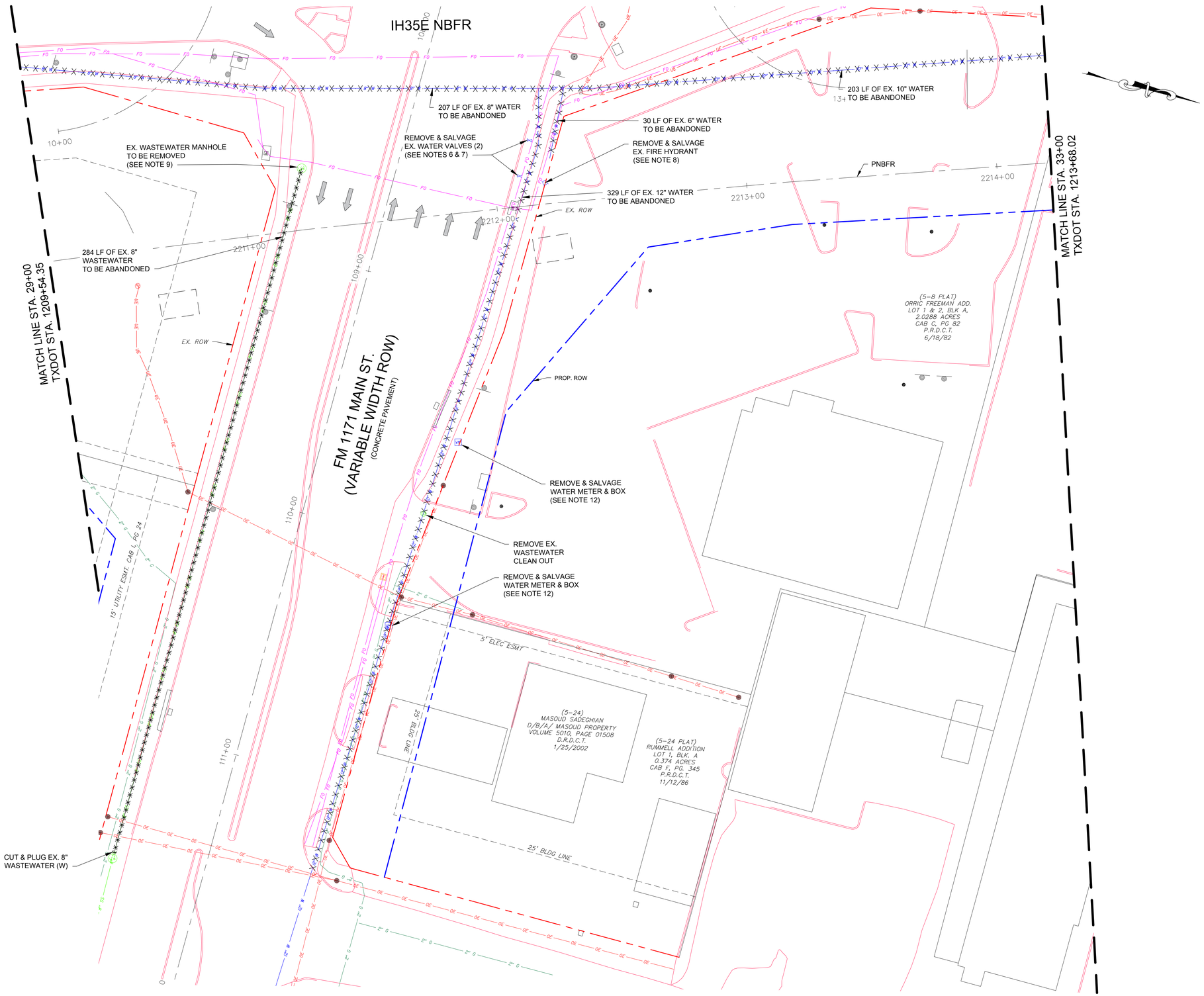

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12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

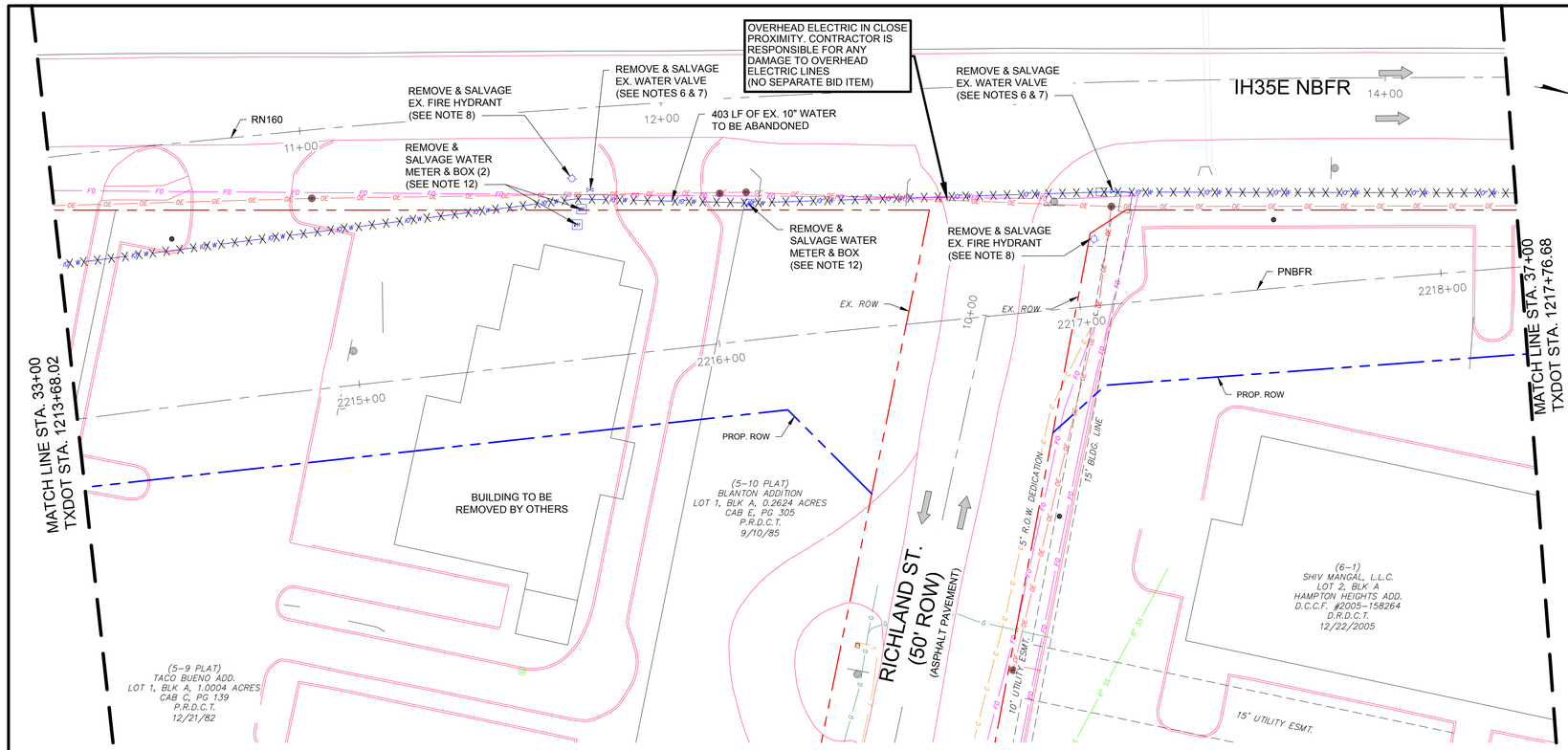
FOX AVE. TO W. COLLEGE ST.

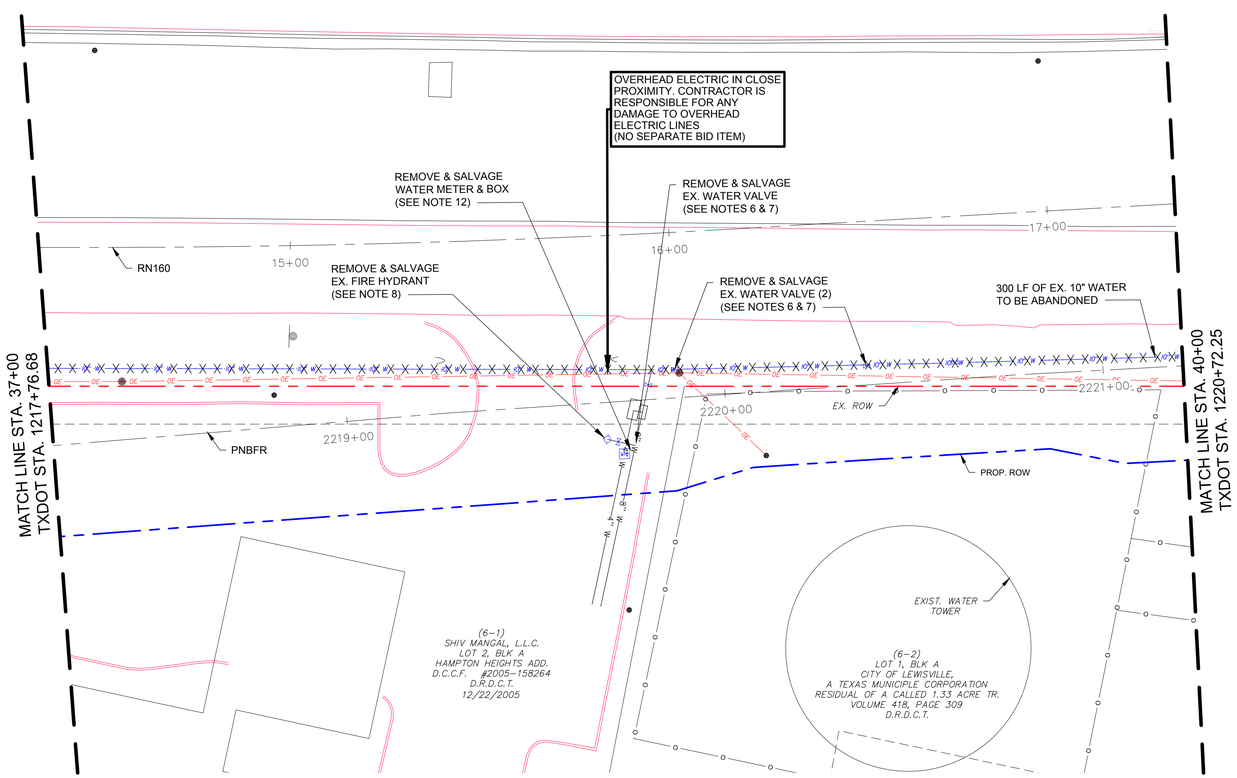
DEMO PLAN - W1
FROM STA. 29+00 TO STA. 33+00

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	11 OF 74
CHECKED: JRC				

\\DAL-PANZURA\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATION\05_CAD\03_SHEETS\1835800-FOX TO COLLEGE-DEMO.DWG
PLOTTED ON 01/12/2021, TIME 5:03:17 PM BY RICHARDOLANY





NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO MANUFACTURING PIPE AND BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE WITH EXISTING FRANCHISE UTILITIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR EXISTING STRUCTURES AND ANY DAMAGE THAT IS CAUSED BY THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
4. PROPOSED WATER AND WASTEWATER MAINS TO BE INSTALLED BETWEEN 3 - 10 FT FROM ROW. PROPOSED WATER AND WASTEWATER MAINS TO BE NO CLOSER THAN 2.5 FT FROM BACK OF PROPOSED CONCRETE CURB.
5. CONTRACTOR TO FIELD VERIFY ALL EXISTING WATER SERVICE CONNECTIONS AND CONNECT TO PROPOSED WATER MAINS.
6. ALL GATE VALVES TO BE ABANDONED SHALL HAVE THE VALVE STACKS REMOVED AND BACKFILLED. THE REMOVAL OF SAID VALVE STACKS BY THE CONTRACTOR SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS.
7. ANY GATE VALVES REQUIRED TO BE REMOVED DURING CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CITY OF LEWISVILLE AND THE CONTRACTOR SHALL TRANSPORT ALL REMOVED GATE VALVES TO THE CITY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER (NON-PAY ITEM).
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9. ALL MANHOLE CASTINGS AND FRAMES WHICH ARE REMOVED IN ASSOCIATION WITH SPECIFICATION 02 41 14 "UTILITY REMOVAL / ABANDONMENT" SHALL REMAIN THE PROPERTY OF THE CITY OF LEWISVILLE. AND SHALL BE TRANSPORTED BY THE CONTRACTOR TO THE CITY.
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LEGEND:

- x-x-x-x-x WATER ABANDONMENT
- ✱-✱-✱-✱-✱ WASTEWATER ABANDONMENT

WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA, CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

STATE OF TEXAS — MARK D. HINTON — 80210 — LICENSED — PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

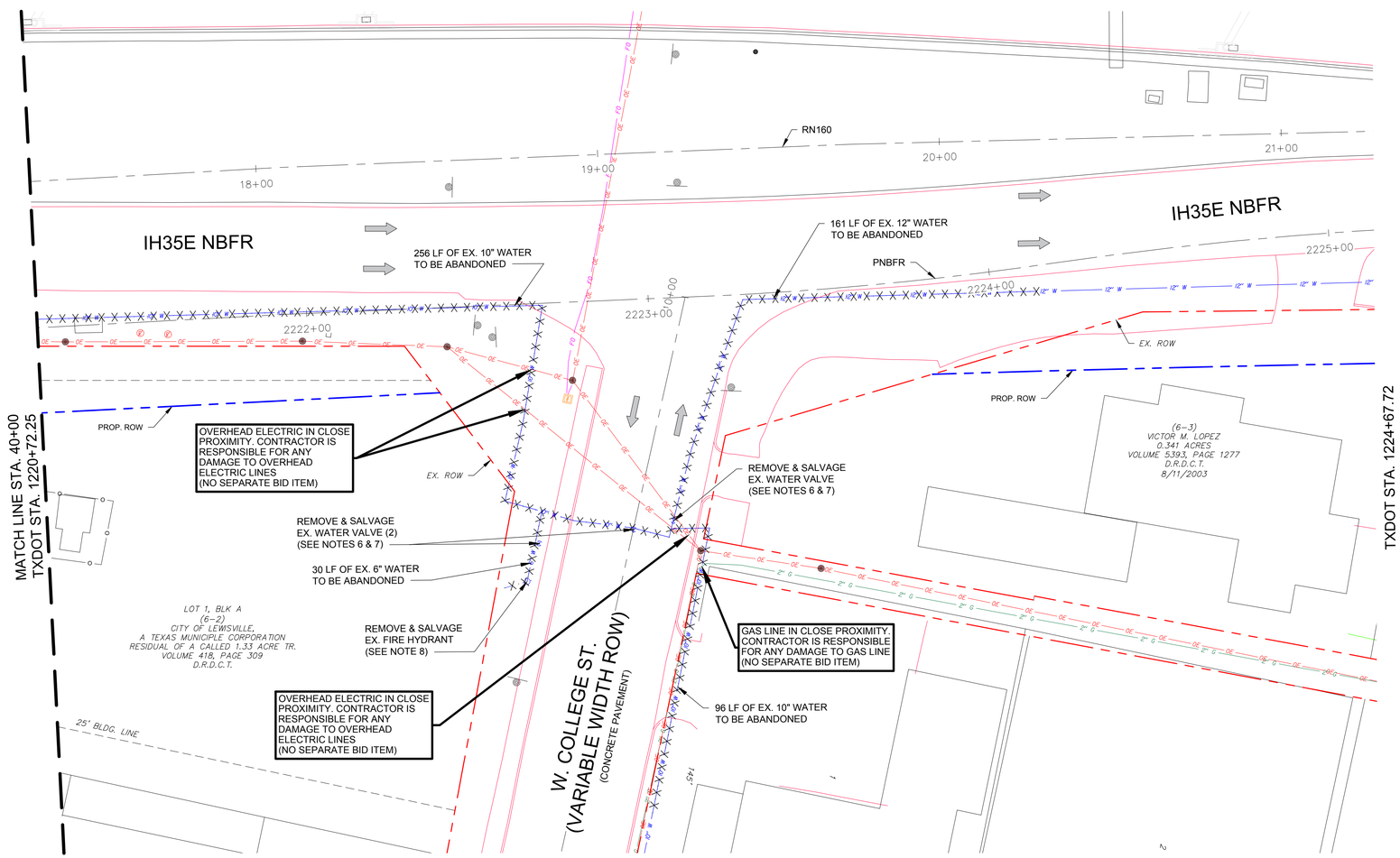
FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W1
FROM STA. 33+00 TO STA. 40+00

rjngroup — *Texas Registered Engineering Firm F-3260* — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	12 OF 74
CHECKED: JRC				

\\DAL-PANZURA\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\5_CADD_SHEETS\18658800-FOX TO COLLEGE-DEMO.DWG
PLOTTED ON 01/12/2021, TIME 5:03:44 PM BY RICHARDDLANN1



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LEGEND:

- WATER ABANDONMENT
- WASTEWATER ABANDONMENT

WARNING!!!
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Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

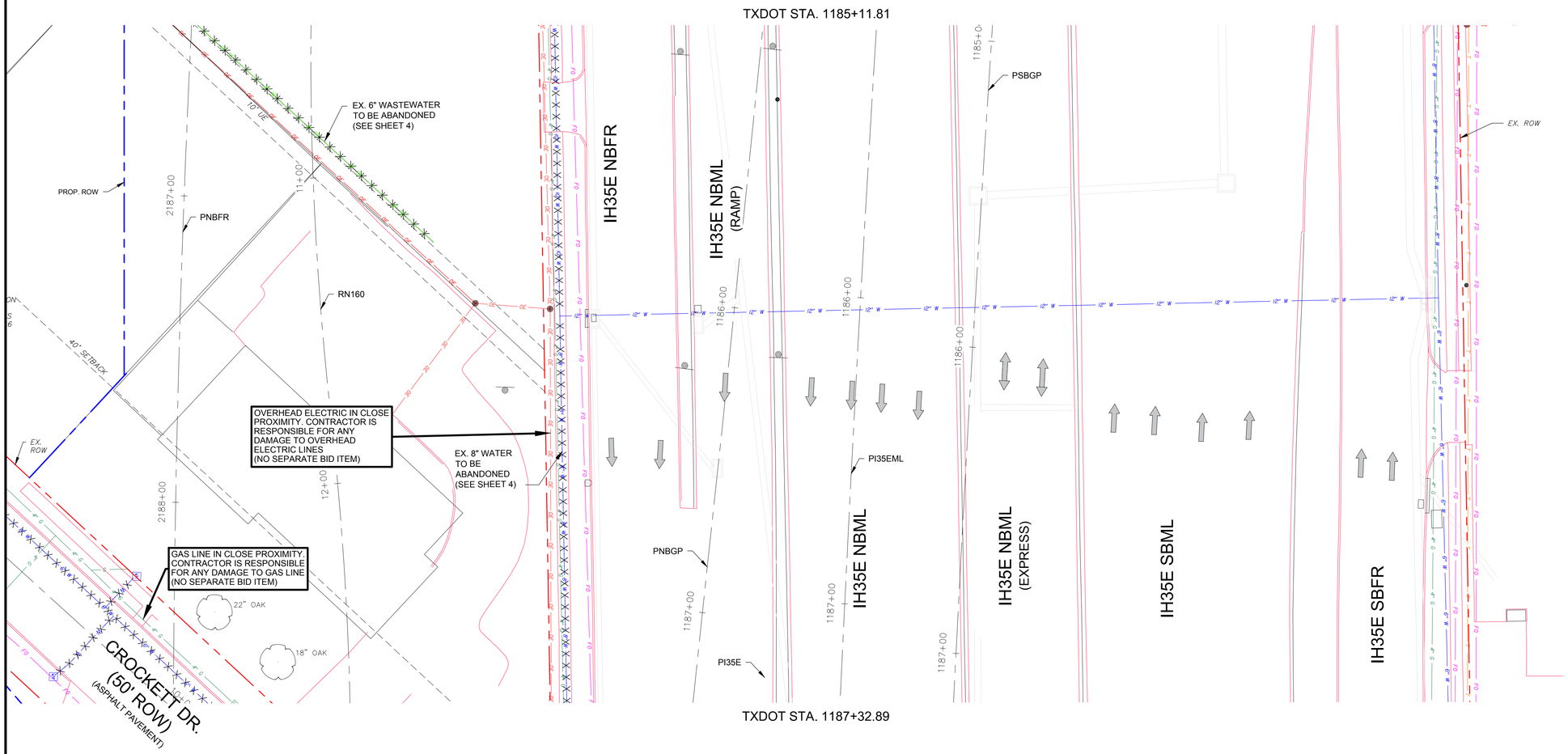
FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W1
FROM STA. 40+00 TO END

rjngroup *Texas Registered Engineering Firm F-3260* RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	13 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\05_CADD_SHEETS\18365800-FOX TO COLLEGE-DEMO.DWG
PLOTTED ON 01/12/2021, TIME 5:03:49 PM BY RICHARDOLANN1



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LEGEND:

- WATER ABANDONMENT
- WASTEWATER ABANDONMENT

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Texas811

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Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

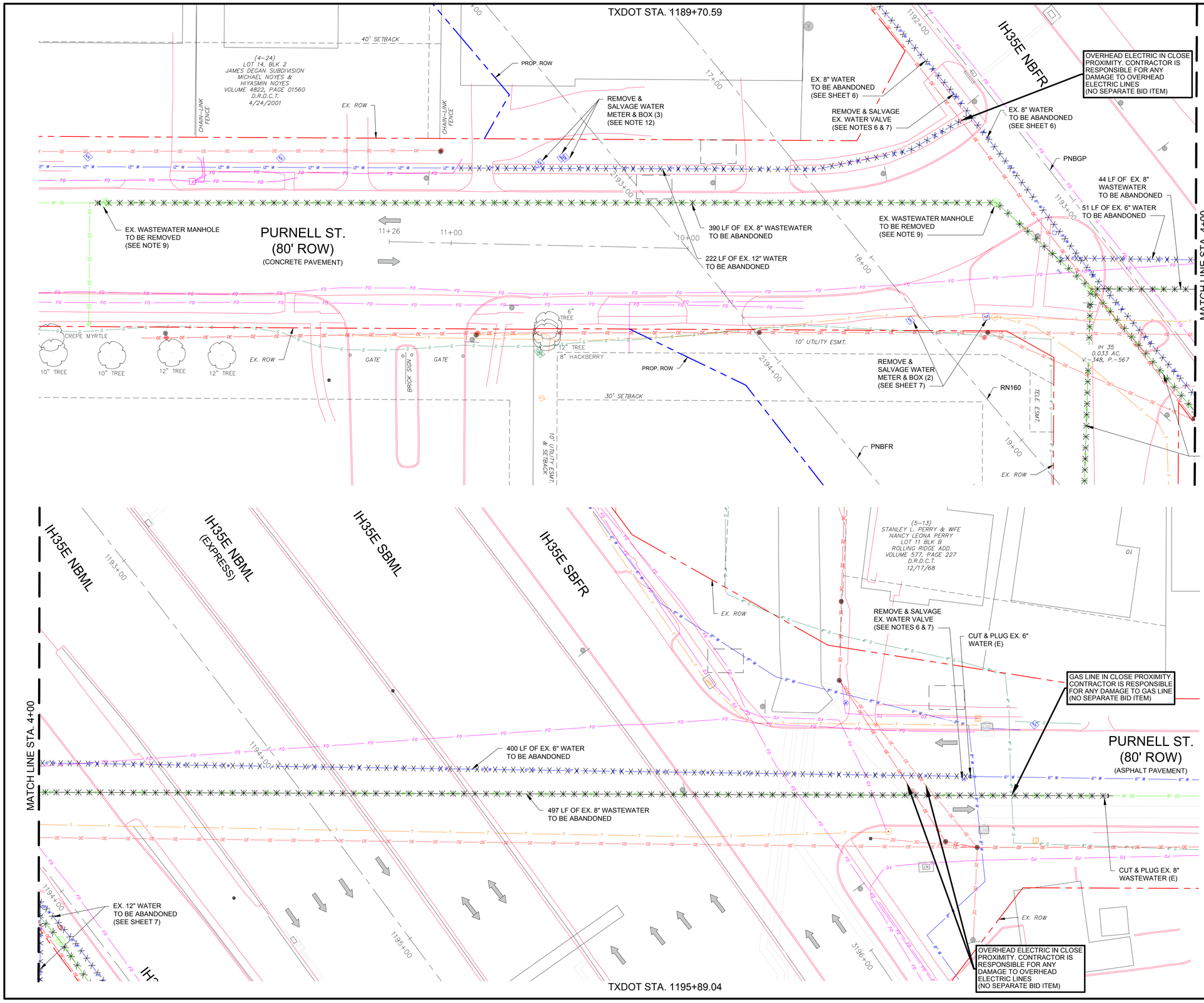
FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W2
FROM STA. 1+00 TO END

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	14 OF 74
CHECKED: JRC				

IDAL-PANZURA1-OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\5_CAD\03_SHEETS\18368800-FOX TO COLLEGE-DEMO.DWG
PLOTTED ON 01/12/2021; TIME 5:04:14 PM BY RICHARDQLANN1



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LEGEND:

- WATER ABANDONMENT
- WASTEWATER ABANDONMENT

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Texas811

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14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W3
FROM STA. 1+00 TO END

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20'	18-3658-00	15 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-1\8\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATION\06_CAD\03_SHEETS\1856800-FOX TO COLLEGE-DEMO.DWG
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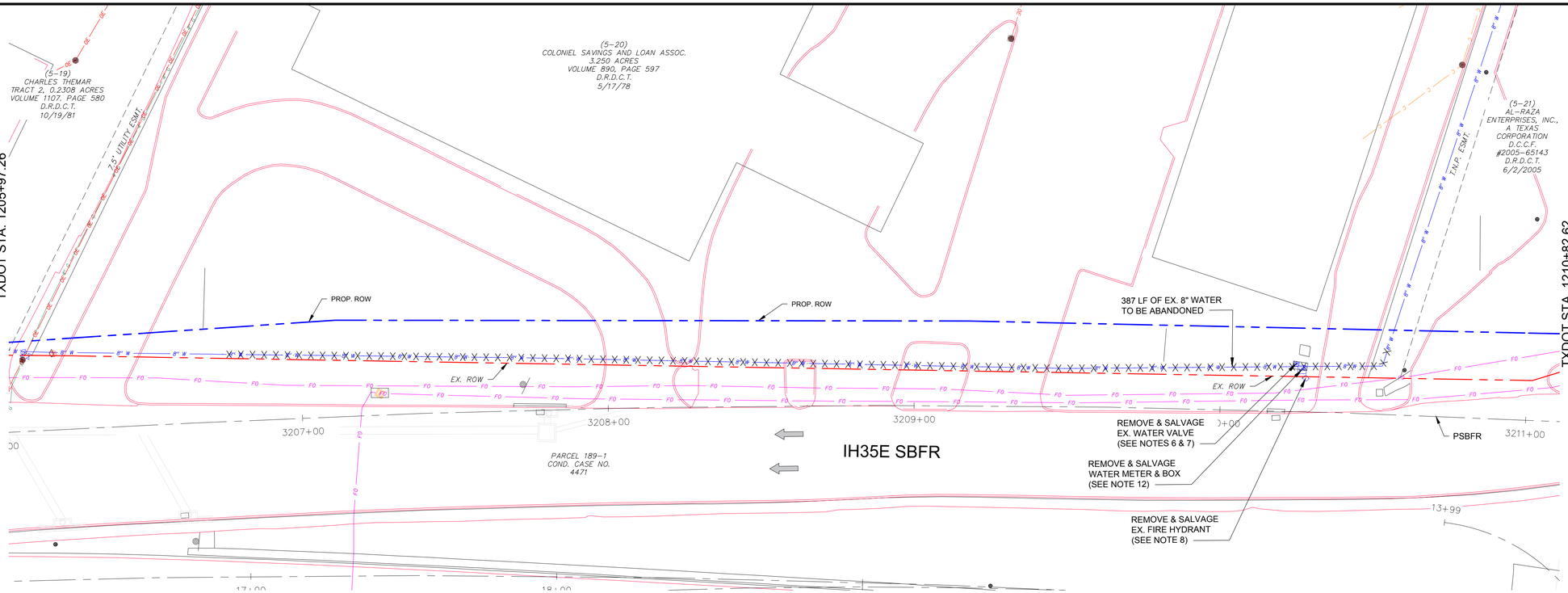

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REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

DEMO PLAN - W4
FROM STA. 1+00 TO END

rjngroup
Texas Registered Engineering Firm F-3260
RJN GROUP, INC.
14755 PRESTON RD. SUITE 710
DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
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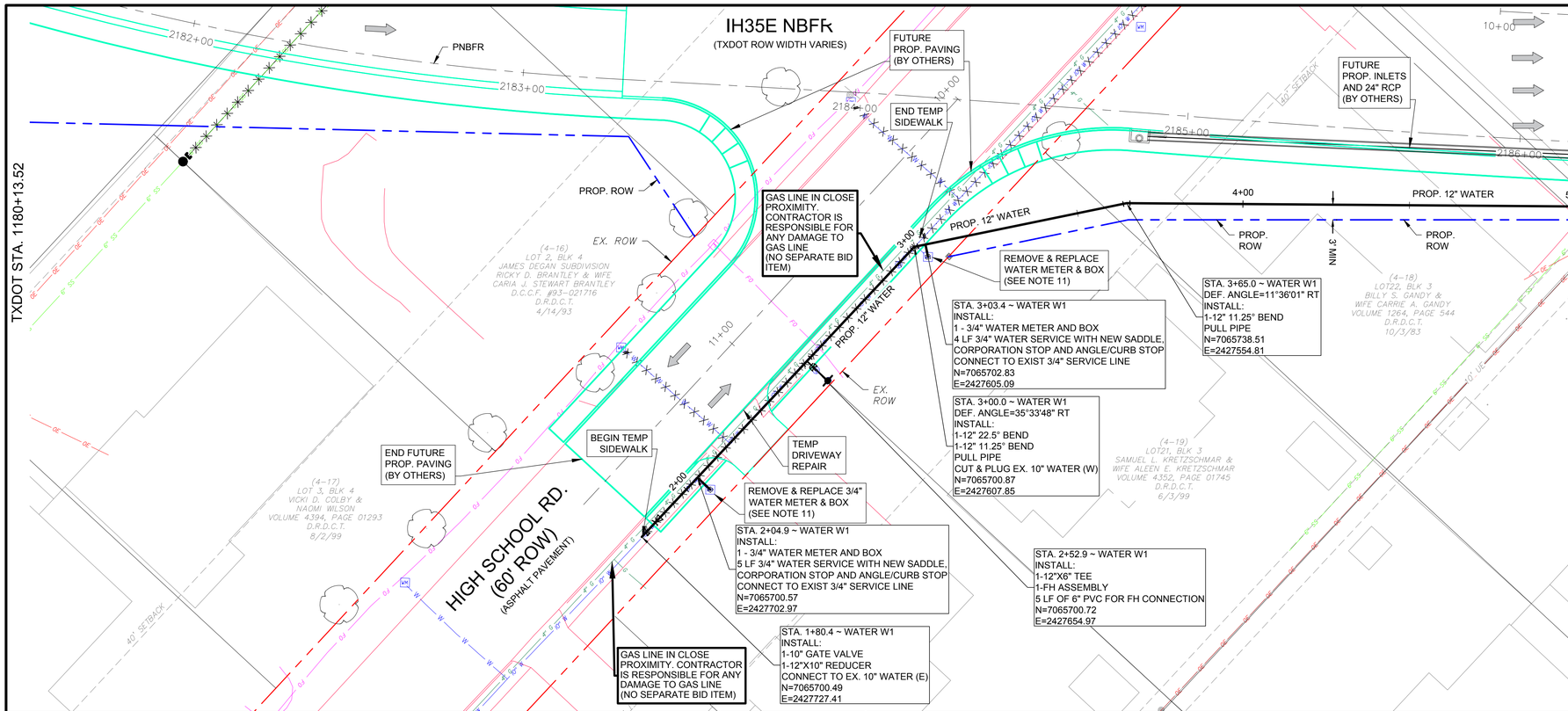

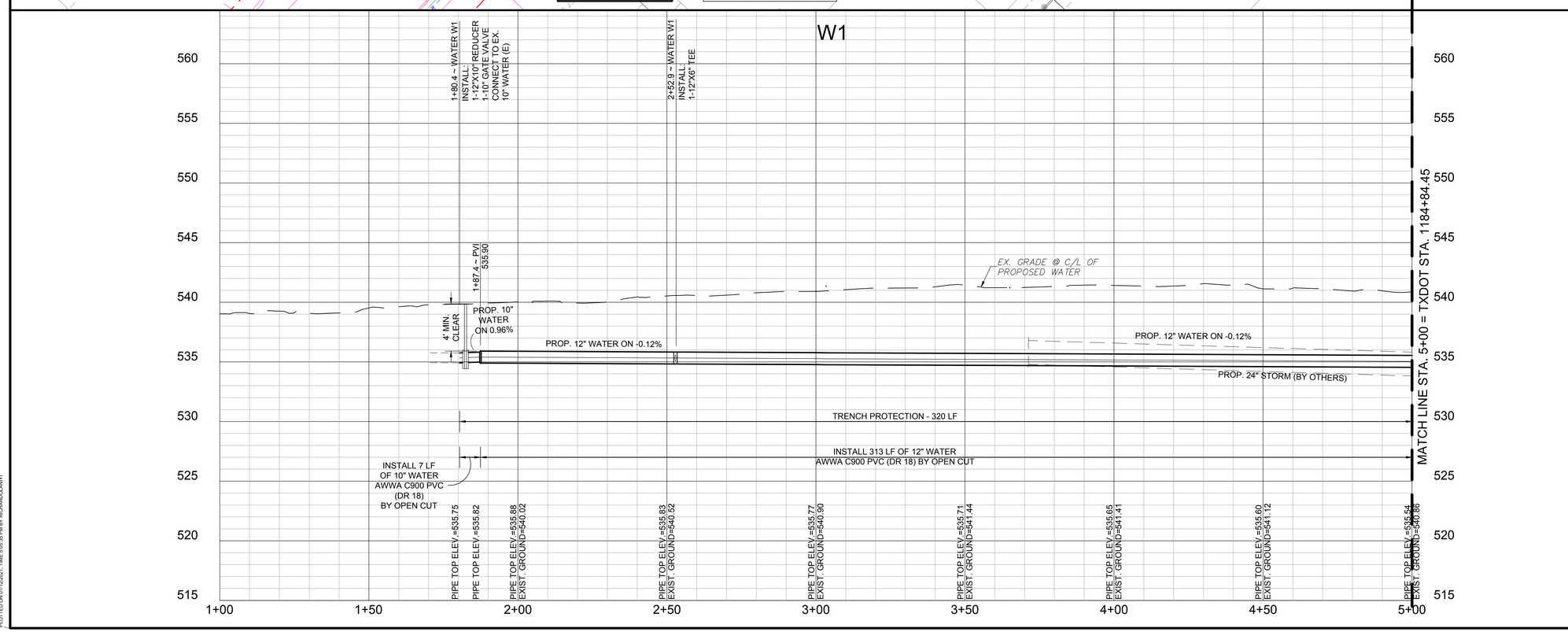

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6. INSTALL NEW WATER METERS AND BOXES AT PROPERTY LINES IN ACCORDANCE WITH CITY OF LEWISVILLE STANDARD DETAILS.
7. CONTRACTOR TO FIELD VERIFY ALL EXISTING FIRELINE CONNECTIONS AND CONNECT TO PROPOSED WATER MAIN.
8. REPLACE ALL WASTEWATER SERVICES FROM PROPERTY LINE TO NEW WASTEWATER MAIN. INSTALL PROPERTY LINE CLEANOUTS ON ALL WASTEWATER SERVICES IN ACCORDANCE WITH CITY OF LEWISVILLE STANDARD DETAILS.
9. CONFIRM EXISTING STRUCTURES ALONG THE ALIGNMENT HAVE BEEN REMOVED PRIOR TO CONSTRUCTION. NOTIFY THE CITY IF EXISTING STRUCTURES HAVE NOT BEEN REMOVED.
10. MINIMUM WATER MAIN SLOPE SHALL BE 0.10%.
11. ANY WATER METERS AND BOXES REMOVED DURING CONSTRUCTION SHALL BECOME PROPERTY OF THE CITY OF LEWISVILLE AND THE CONTRACTOR SHALL TRANSPORT TO THE CITY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER (SUBSIDIARY TO OTHER BID ITEMS)
12. SEE FLOWABLE FILL DETAIL FOR LOCATIONS WHERE THE PROPOSED MANHOLE AND WATER LINE CASING PIPE ARE LOCATED.
13. MAXIMUM DEFLECTION AT PIPE JOINT IS 1 DEGREE OR LESS UNLESS MANUFACTURER REQUIREMENTS ARE LESS. JOINT DEFLECTIONS SHOW ON PLANS MAY OCCUR OVER MORE THAN ONE PIPE JOINT.
14. SEE DEMO SHEETS FOR ABANDONED AND REMOVED WATER AND WASTEWATER ITEMS.
15. ALL BENDS, TEES, CROSSES AND VALVES 8" AND LARGER SHALL HAVE THRUST BLOCKING AS SHOWN ON SHEET 70.
16. FOR COMPLETE INFORMATION OF WATER AND WASTEWATER MAINS AND ACCESSORIES TO BE ABANDONED AND/OR REMOVED, SEE DEMOLITION SHEETS.

WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA, CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'
0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

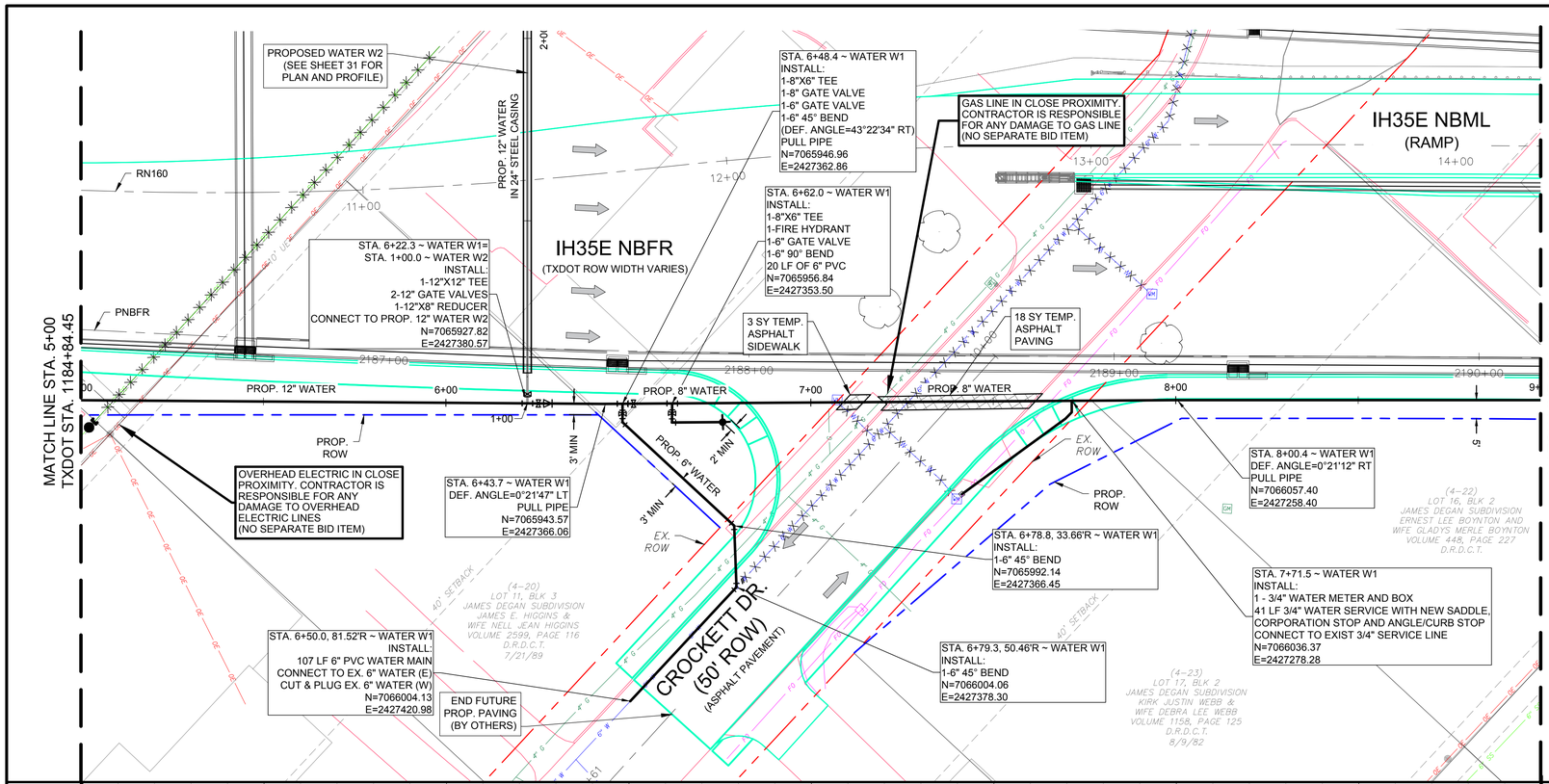
FOX AVE. TO W. COLLEGE ST.

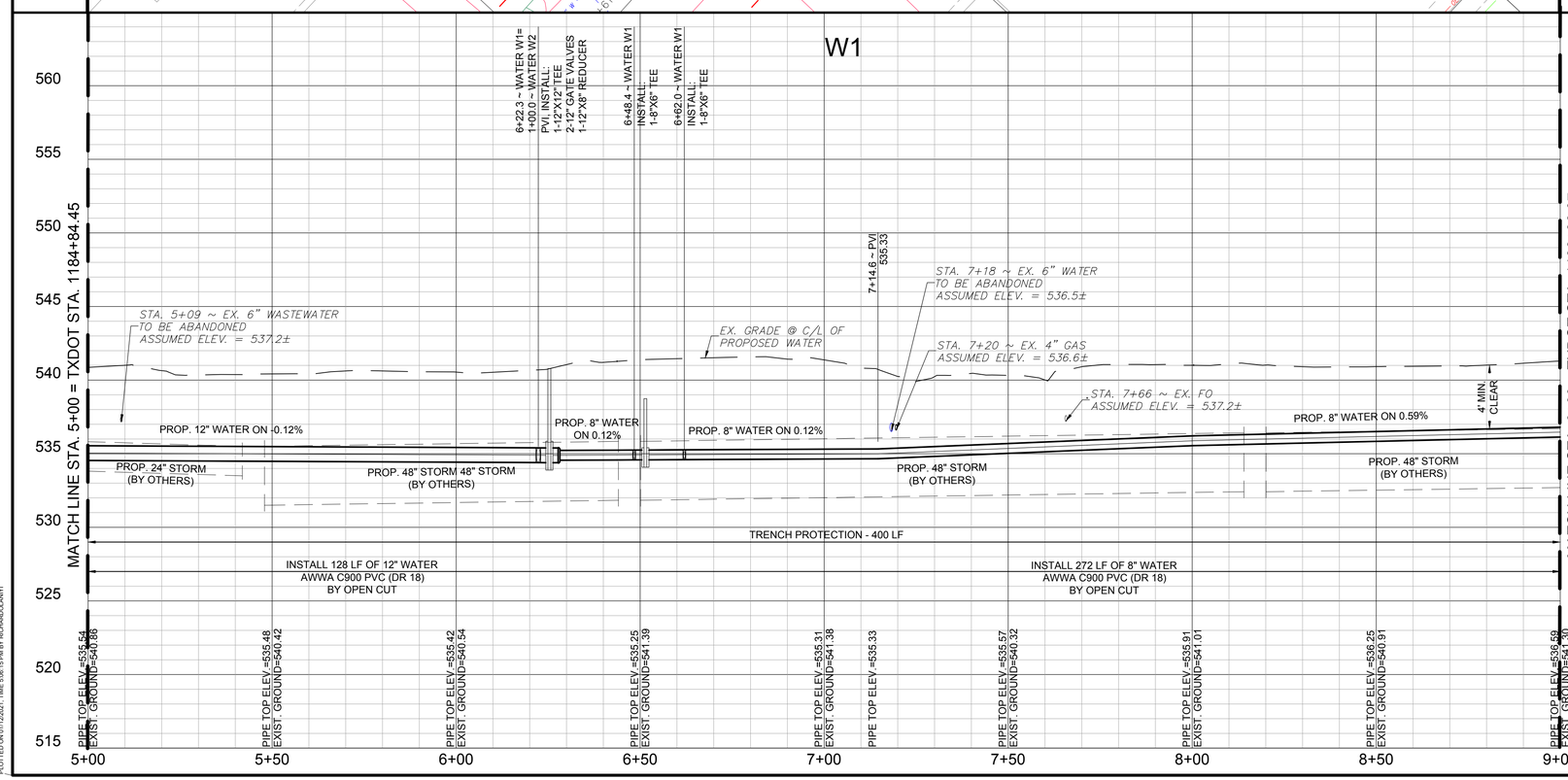
PLAN & PROFILE - WATER W1
FROM STA. 1+00 TO STA. 5+00

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	17 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W. COLLEGE - IH-35E UTILITY RELOCATIONS\05_CADD_SHEETS\18365800-FOX TO COLLEGE-PT.DWG
PLOTTED ON 01/12/2021, TIME 5:05:35 PM BY RICHARDOLANN1





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Texas811

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STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1
FROM STA. 5+00 TO STA. 9+00

rjngroup *Texas Registered Engineering Firm F-3260* RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
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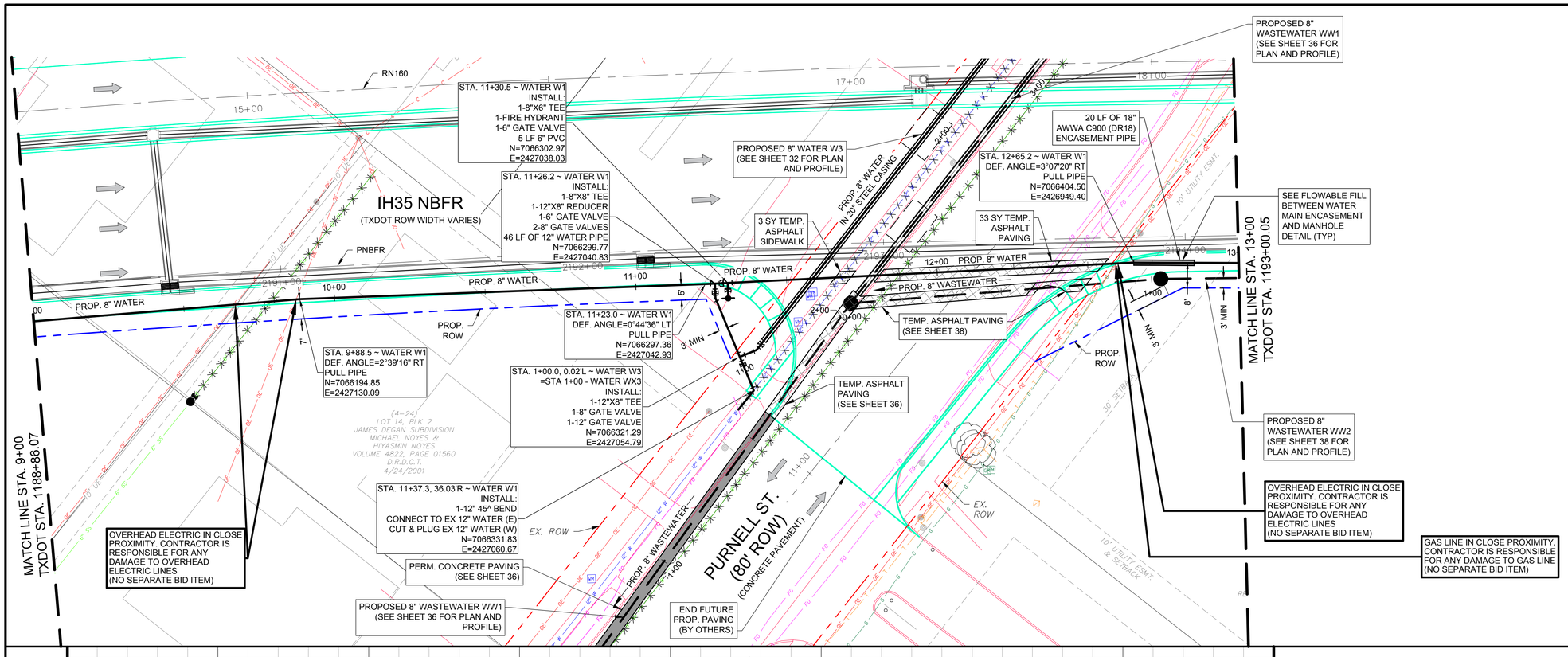

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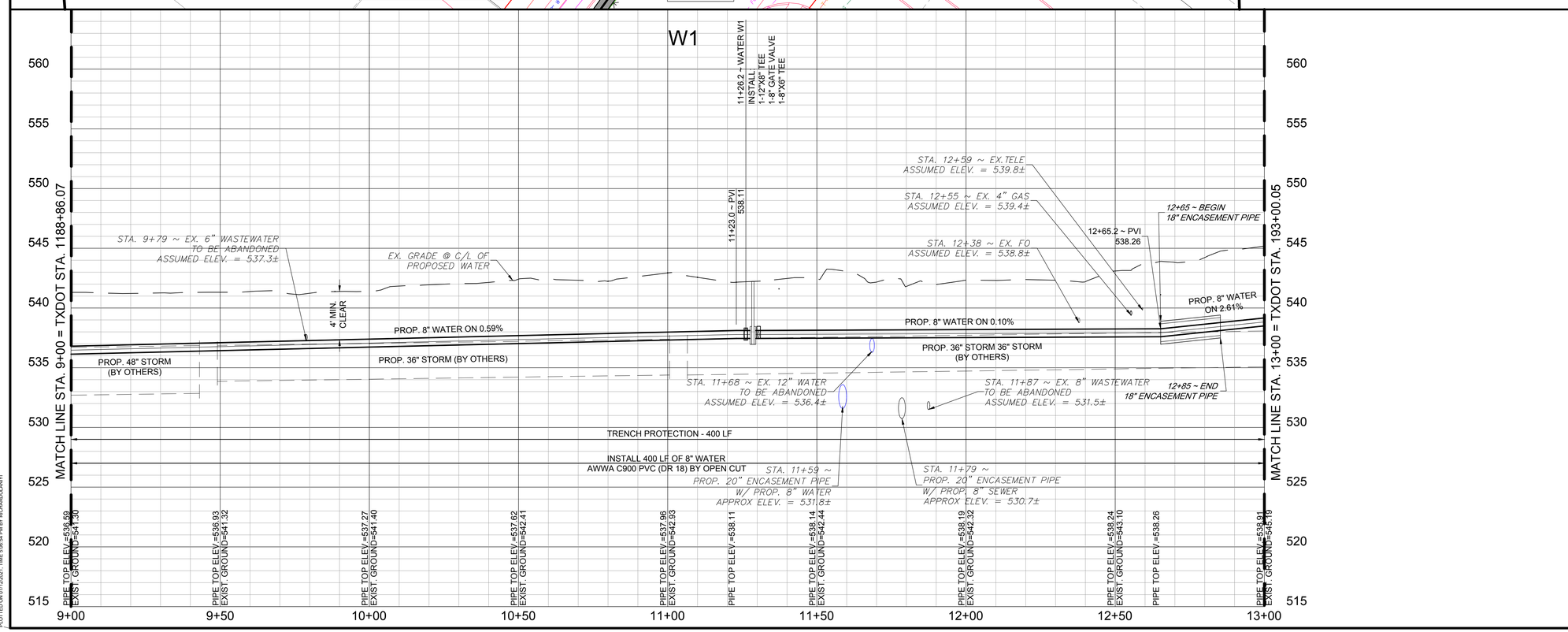
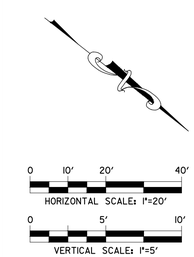
Dallas TX 75254





STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1 FROM STA. 9+00 TO STA. 13+00

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
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\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\05_CADD\3_SHEETS\18365800-FOX TO COLLEGE-PT.DWG
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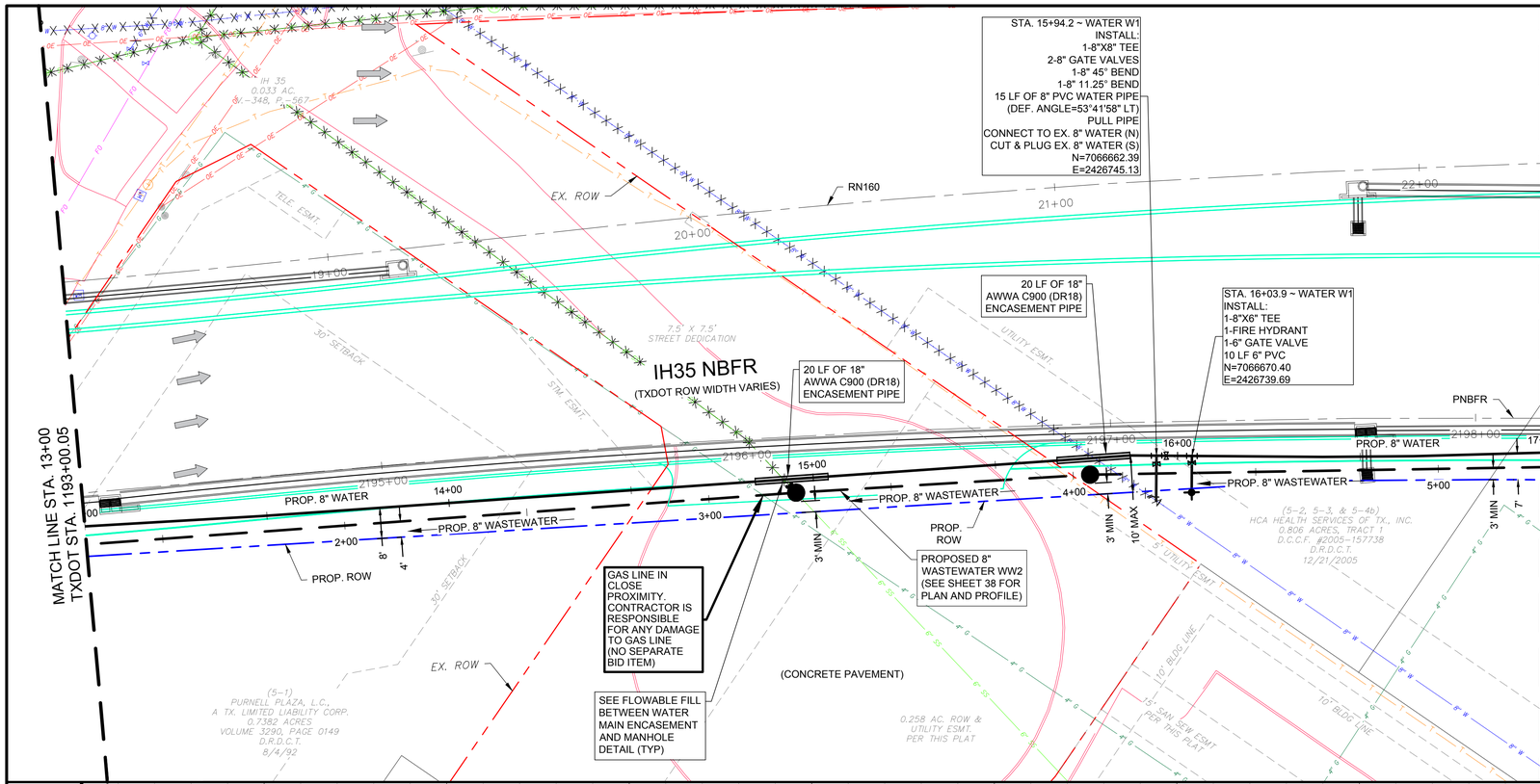

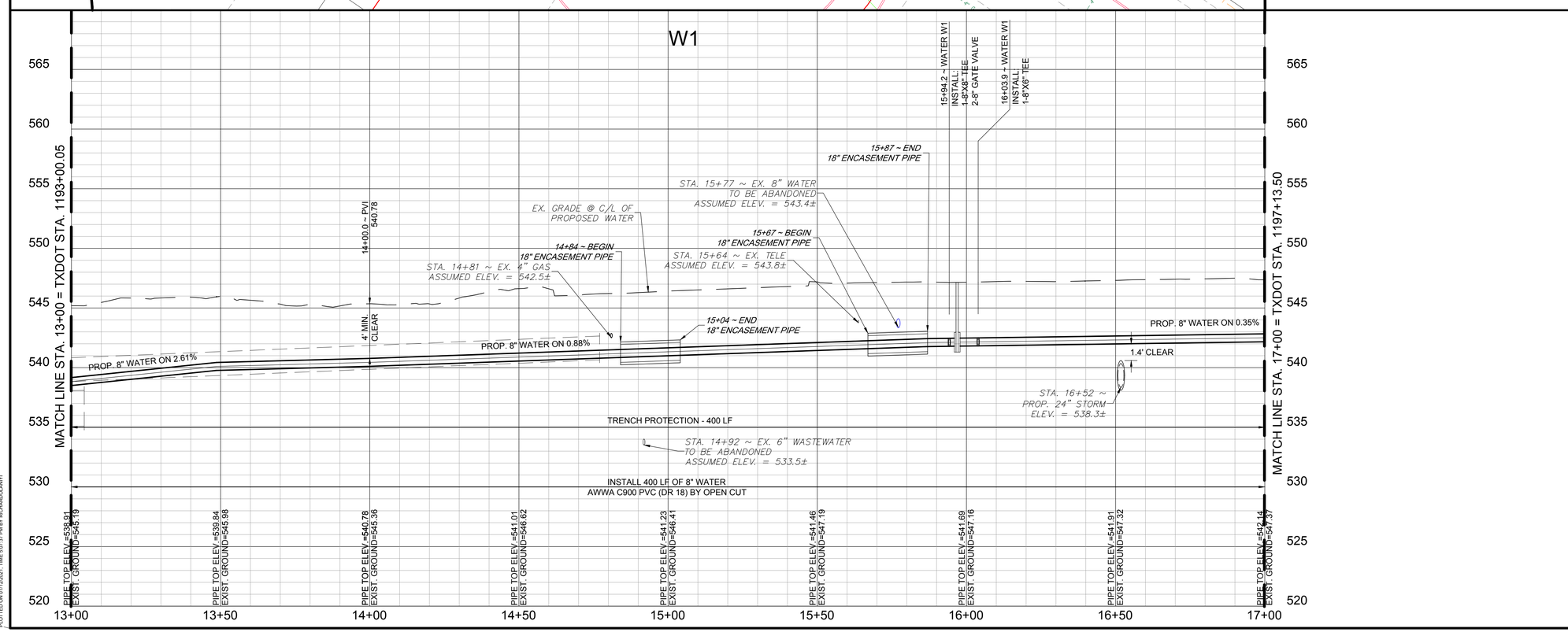

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Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1
FROM STA. 13+00 TO STA. 17+00

rjngroup *Texas Registered Engineering Firm F-3260* RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	20 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\05_CADD_SHEETS\18365800-FOX TO COLLEGE-PT.DWG
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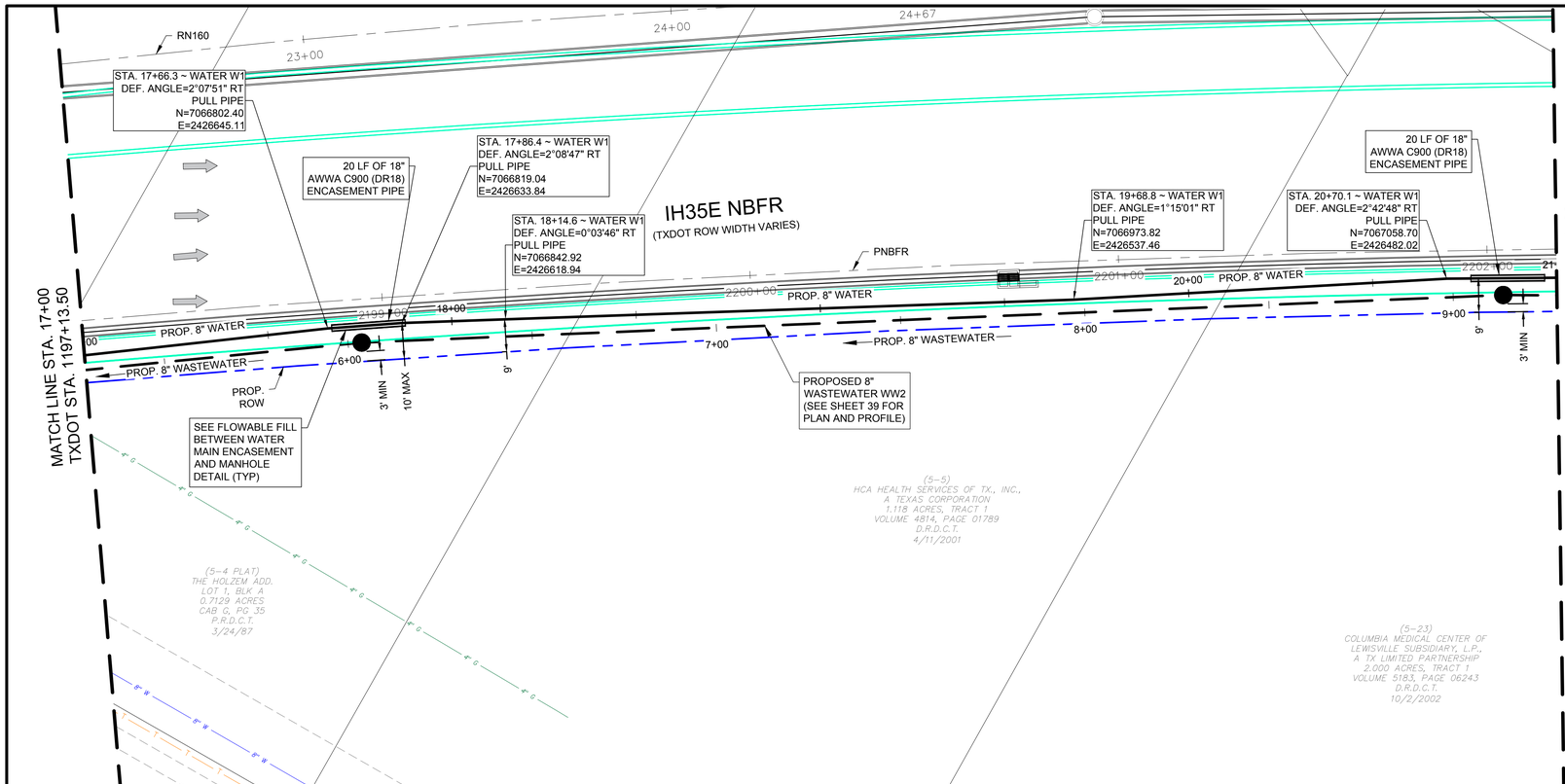

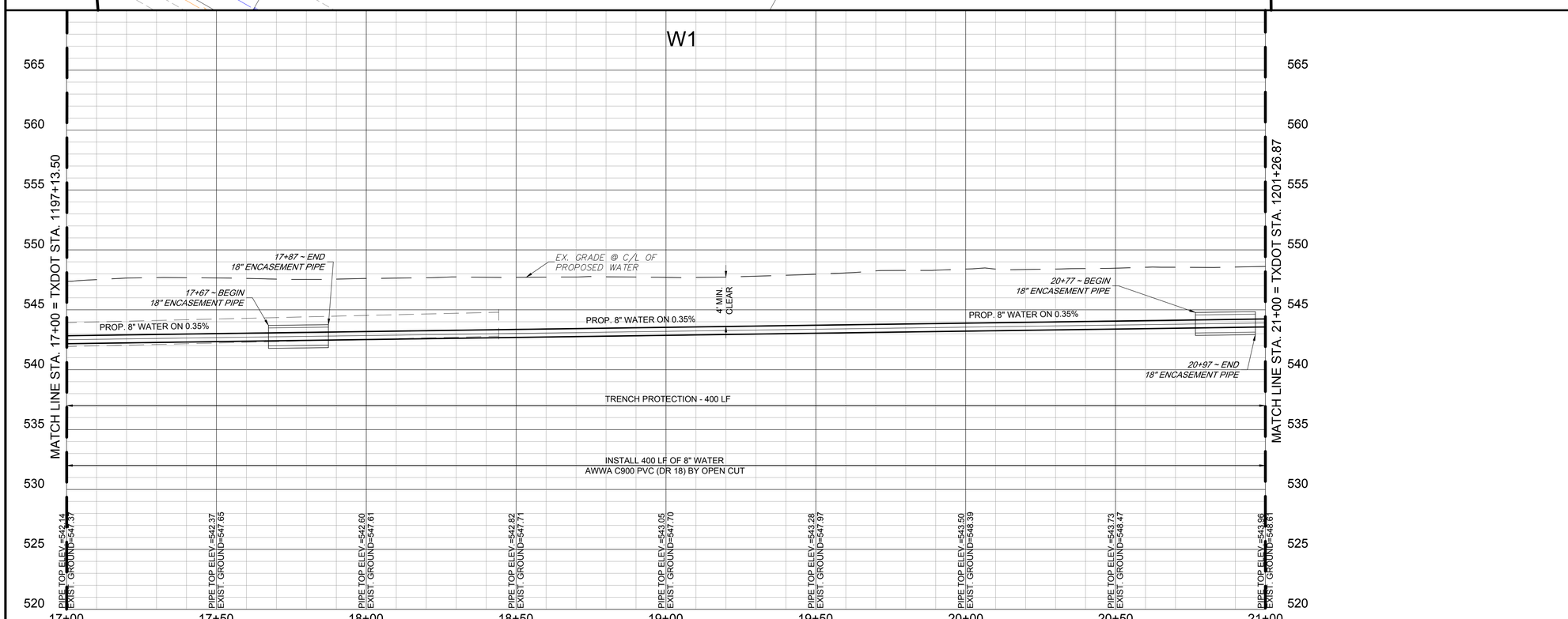

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STATE OF TEXAS
MARK D. HINTON
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LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1
FROM STA. 17+00 TO STA. 21+00

rjngroup *Texas Registered Engineering Firm F-3260* RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

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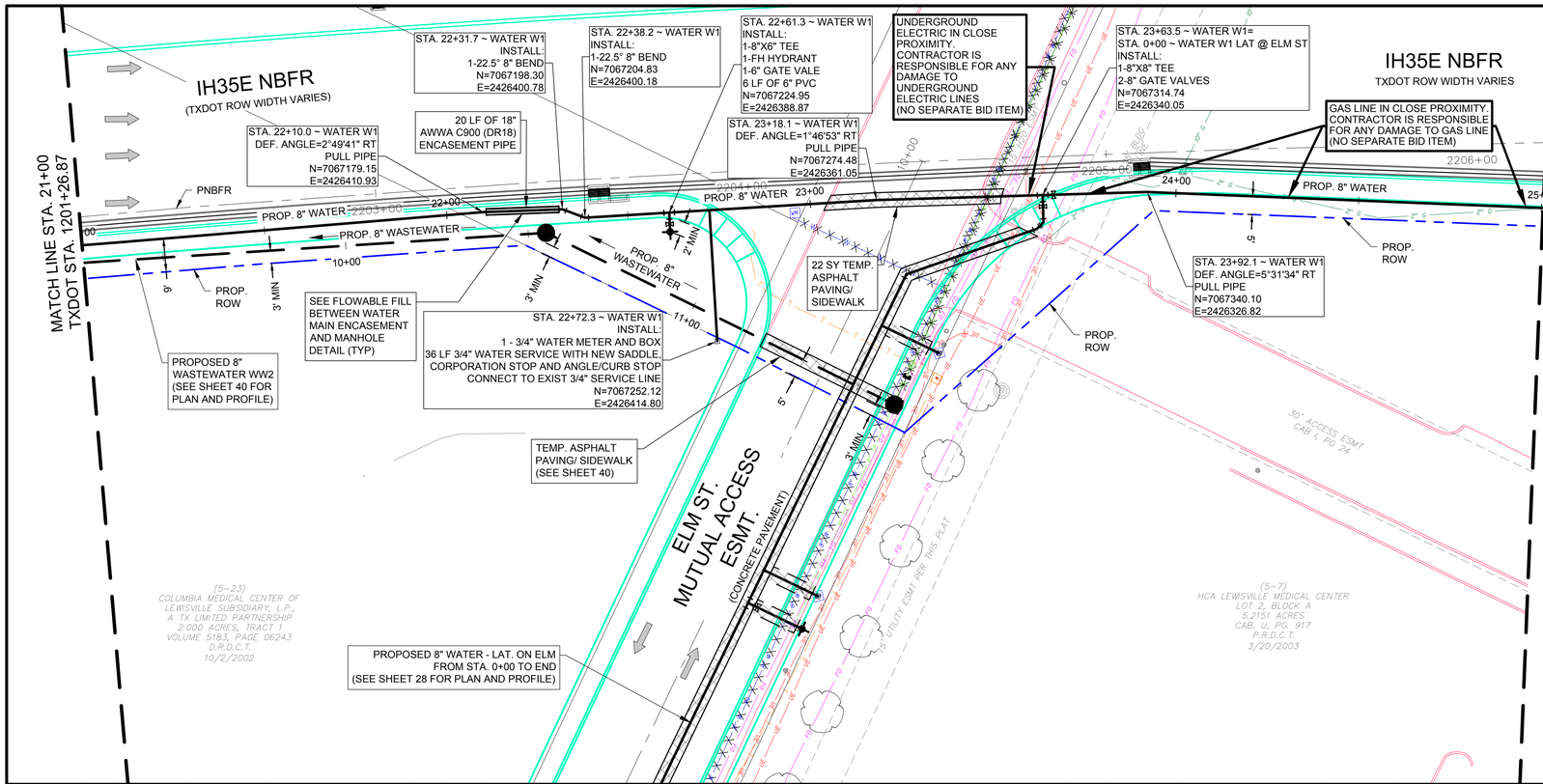

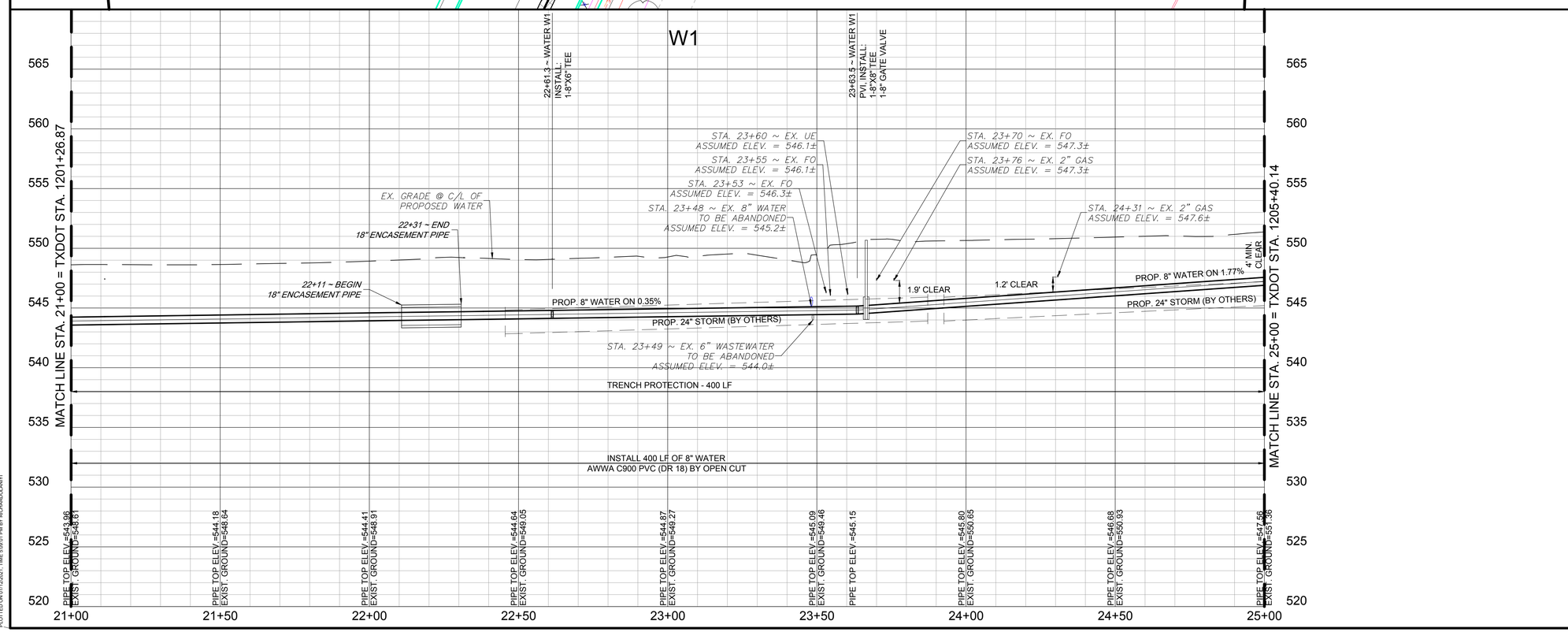

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12/2/2021

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3			
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CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1
FROM STA. 21+00 TO STA. 25+00

rjngroup *Texas Registered Engineering Firm F-3260* RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

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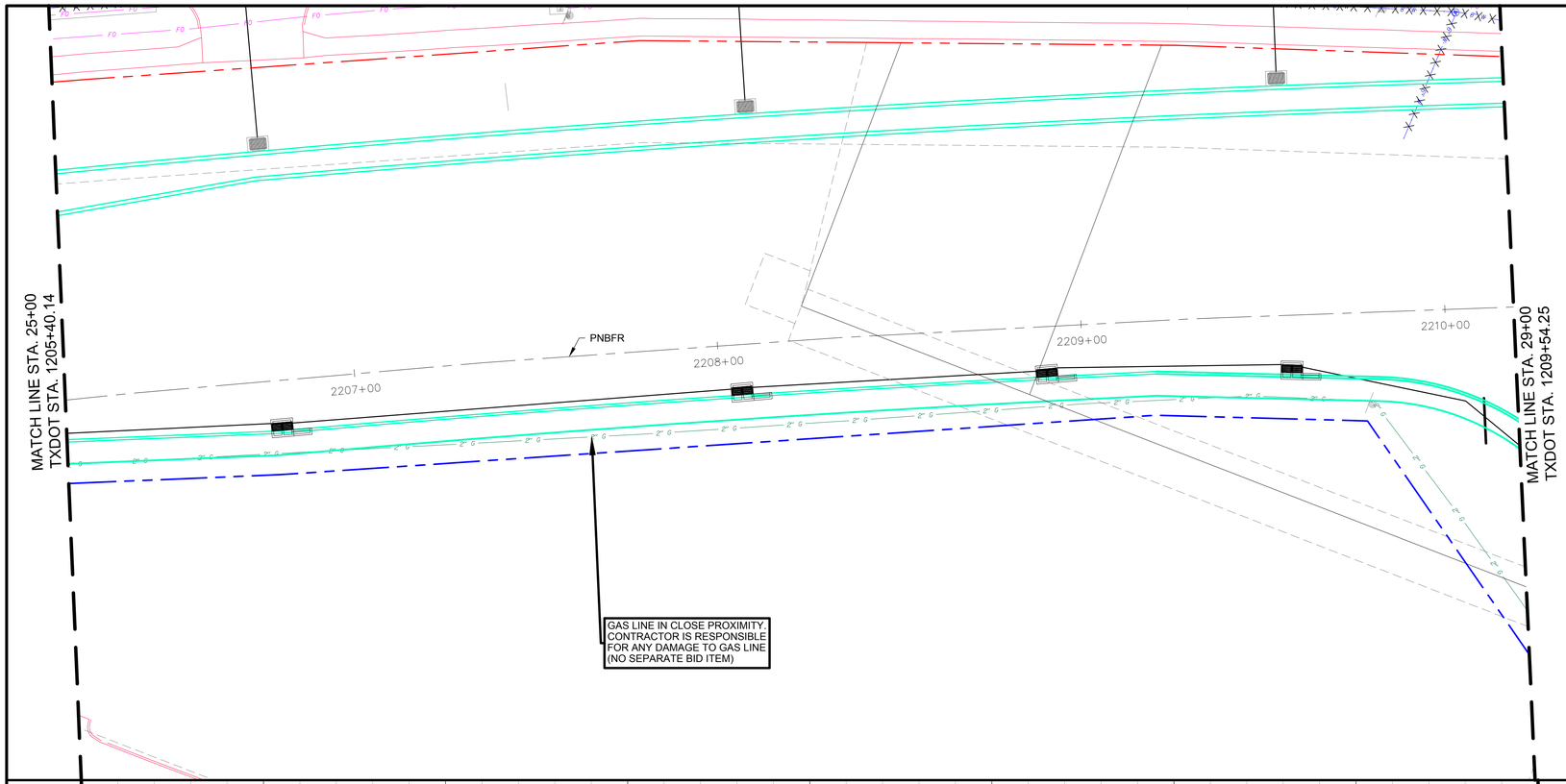
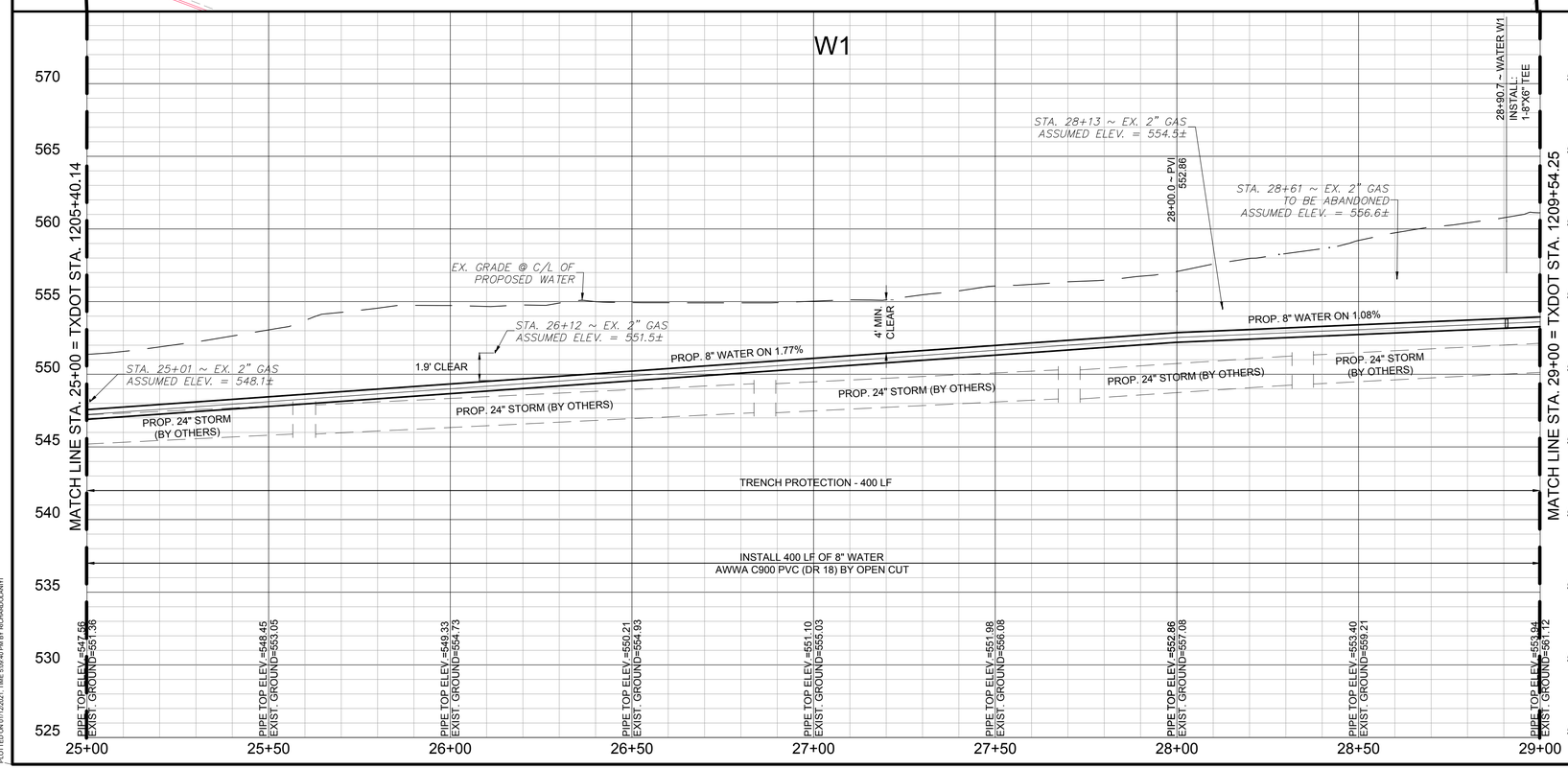
\\DAL-PANZURA\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\05_CADD_SHEETS\18658000-FOX TO COLLEGE-PT.DWG
PLOTTED ON 01/12/2021, TIME 5:09:01 PM BY RICHARDOLANN1





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WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA. CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'
0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

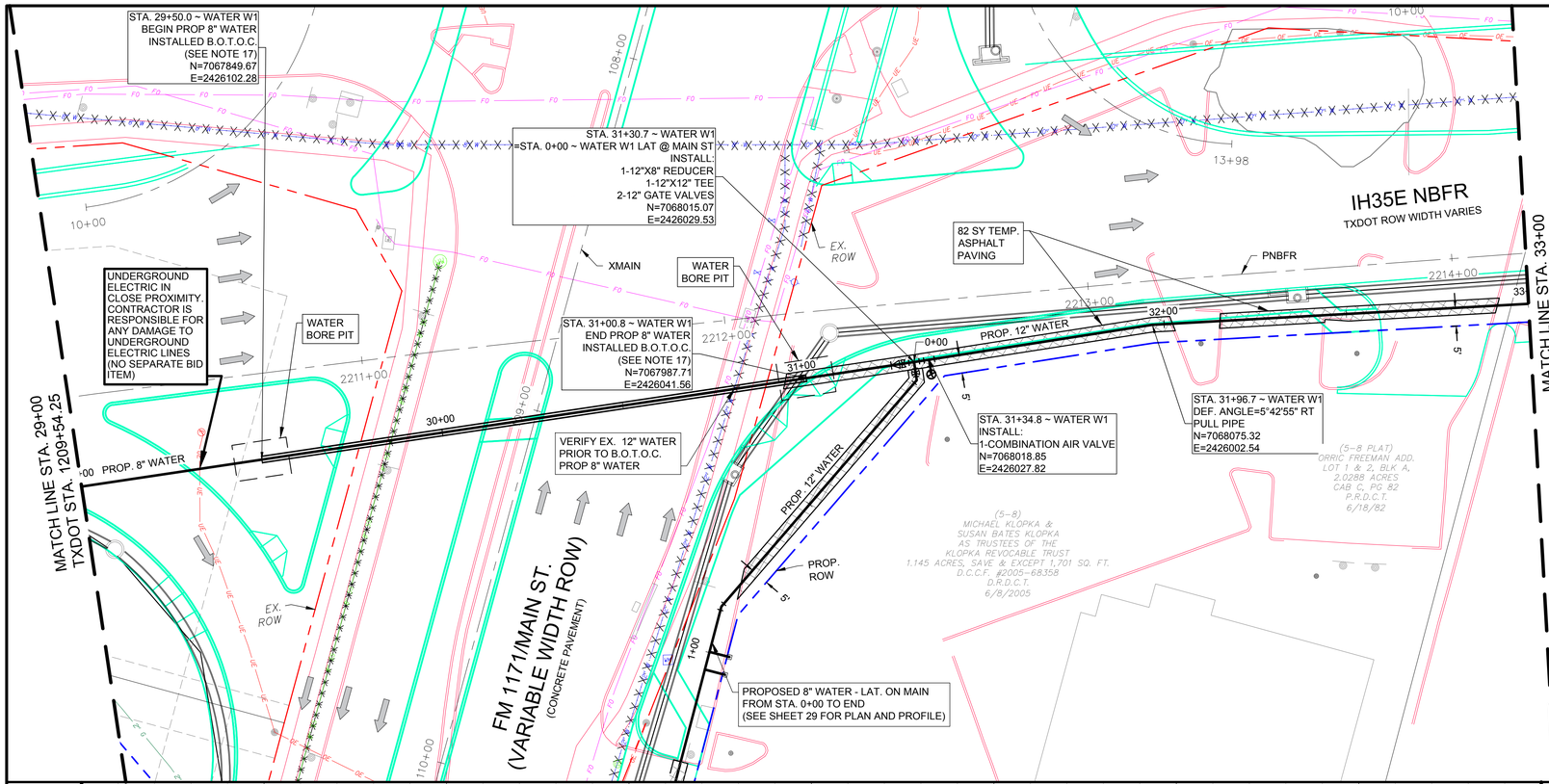
FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1
FROM STA. 25+00 TO STA. 29+00

rjngroup
Texas Registered Engineering Firm F-3260
RJN GROUP, INC.
14755 PRESTON RD. SUITE 710
DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	23 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\0_CAD\03_SHEETS\1185800-FOX TO COLLEGE-PT.DWG
PLOTTED ON 01/12/2021, TIME 5:09:40 PM BY RICHARDOLANRY



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17. BORE ACROSS FM 1171/MAIN STREET USING FUSIBLE PVC PIPE.

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Texas811

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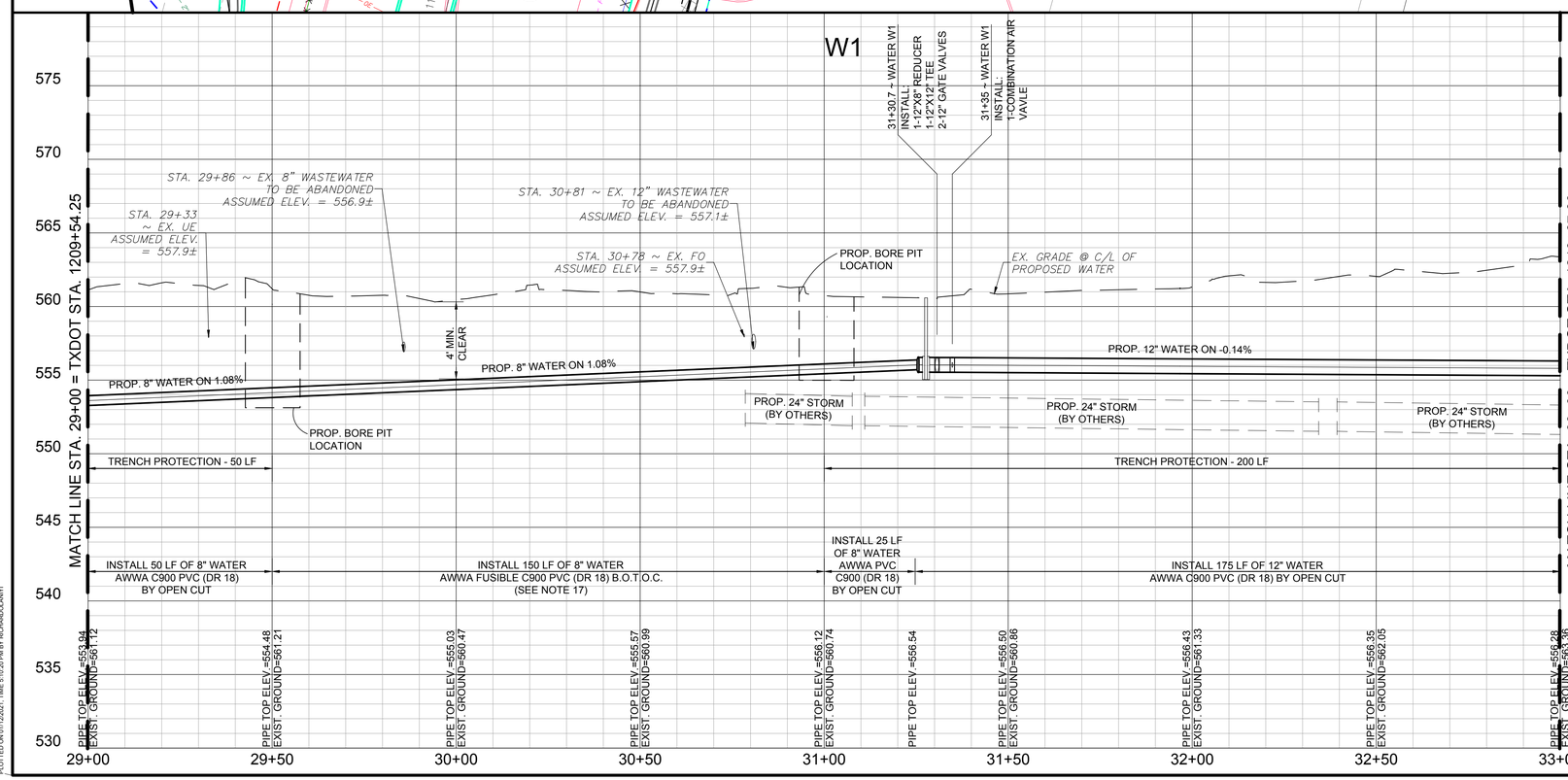
Dallas TX 75254



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HORIZONTAL SCALE: 1"=20'

0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER

12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1 FROM STA. 29+00 TO STA. 33+00

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	24 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W. COLLEGE - IH-35E UTILITY RELOCATIONS\5_CADD\3_SHEETS\18365800-FOX TO COLLEGE-PT.DWG
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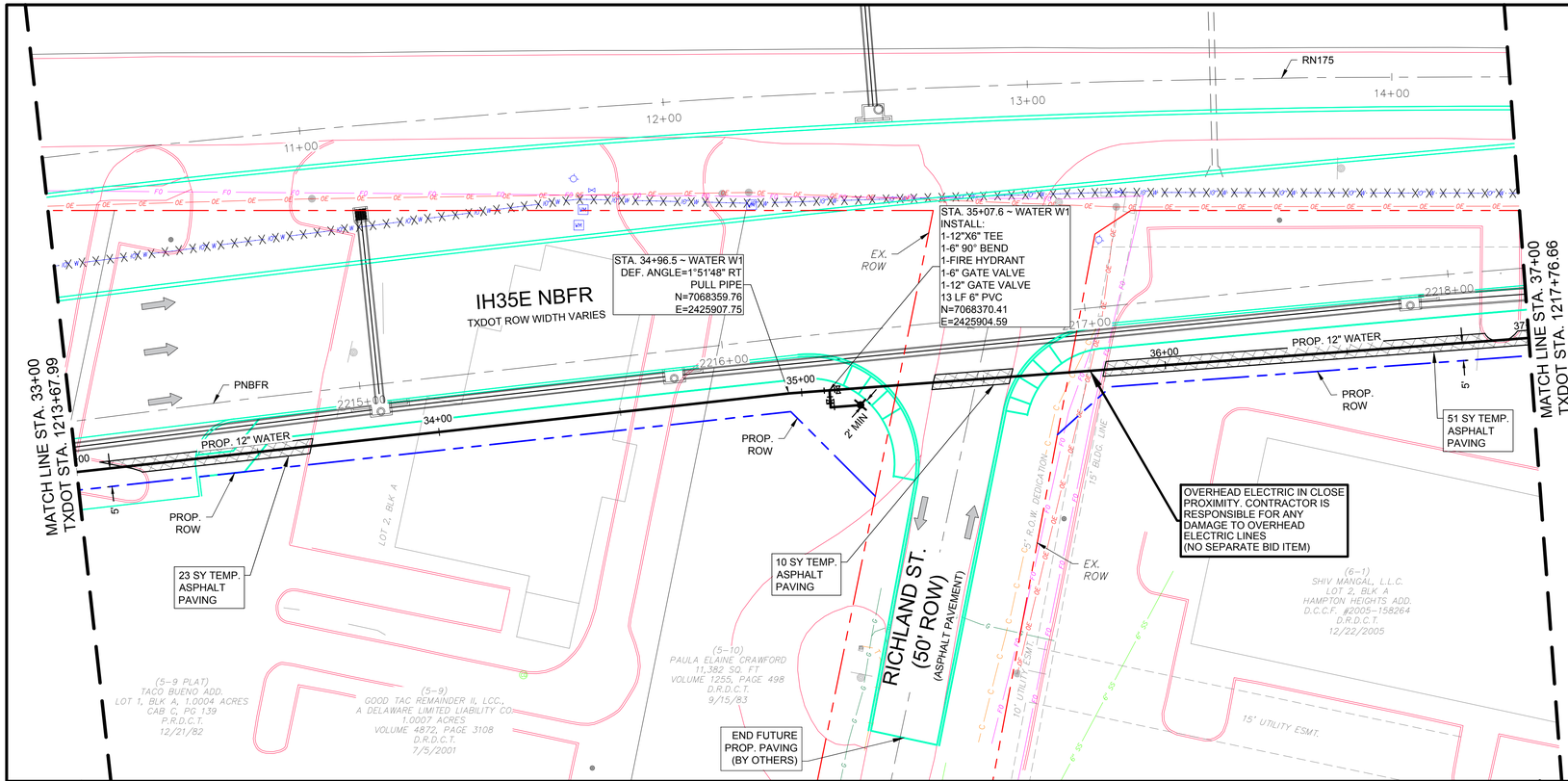

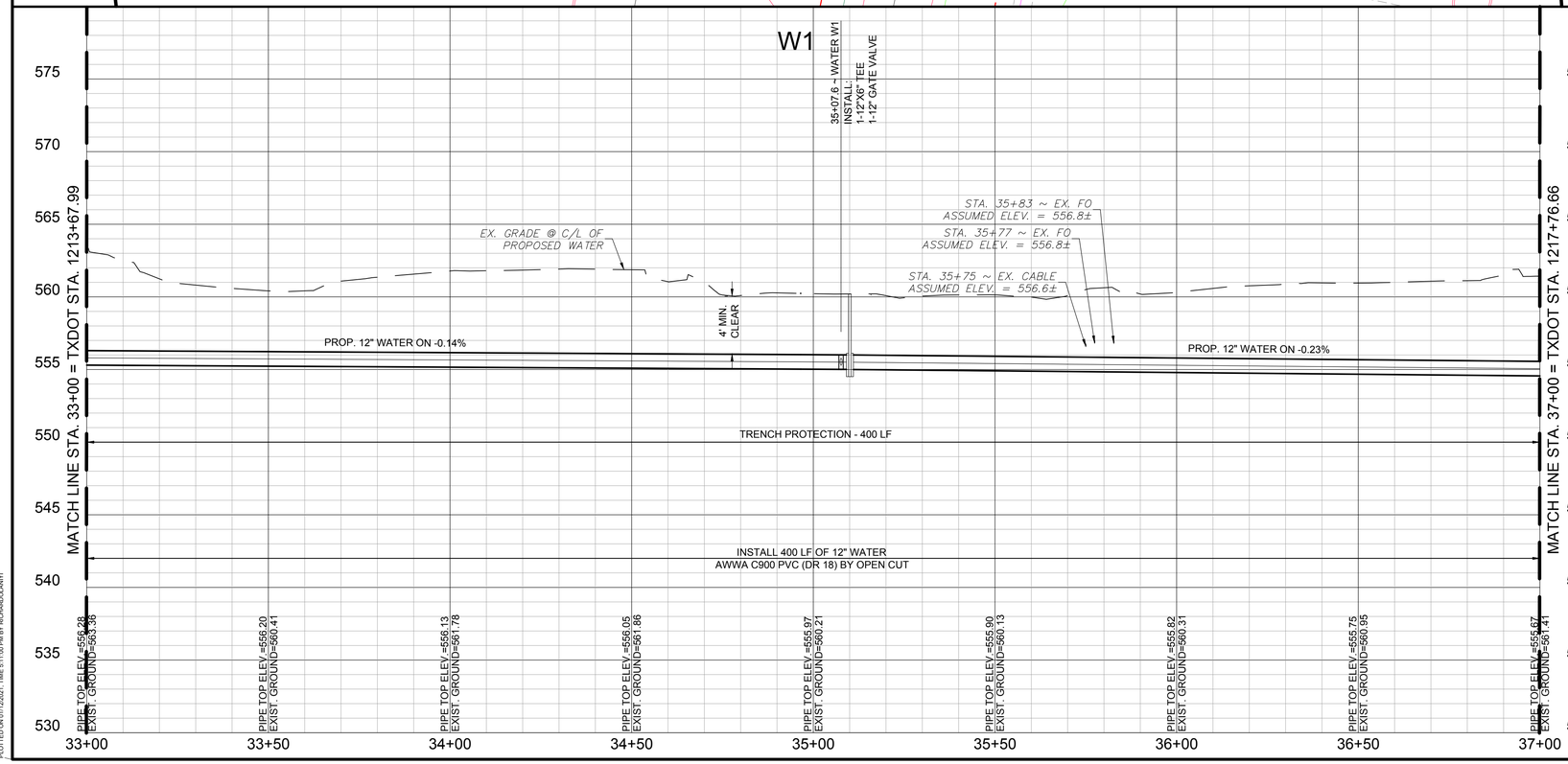

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Texas811

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Engineering infrastructure for tomorrow
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14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'
0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

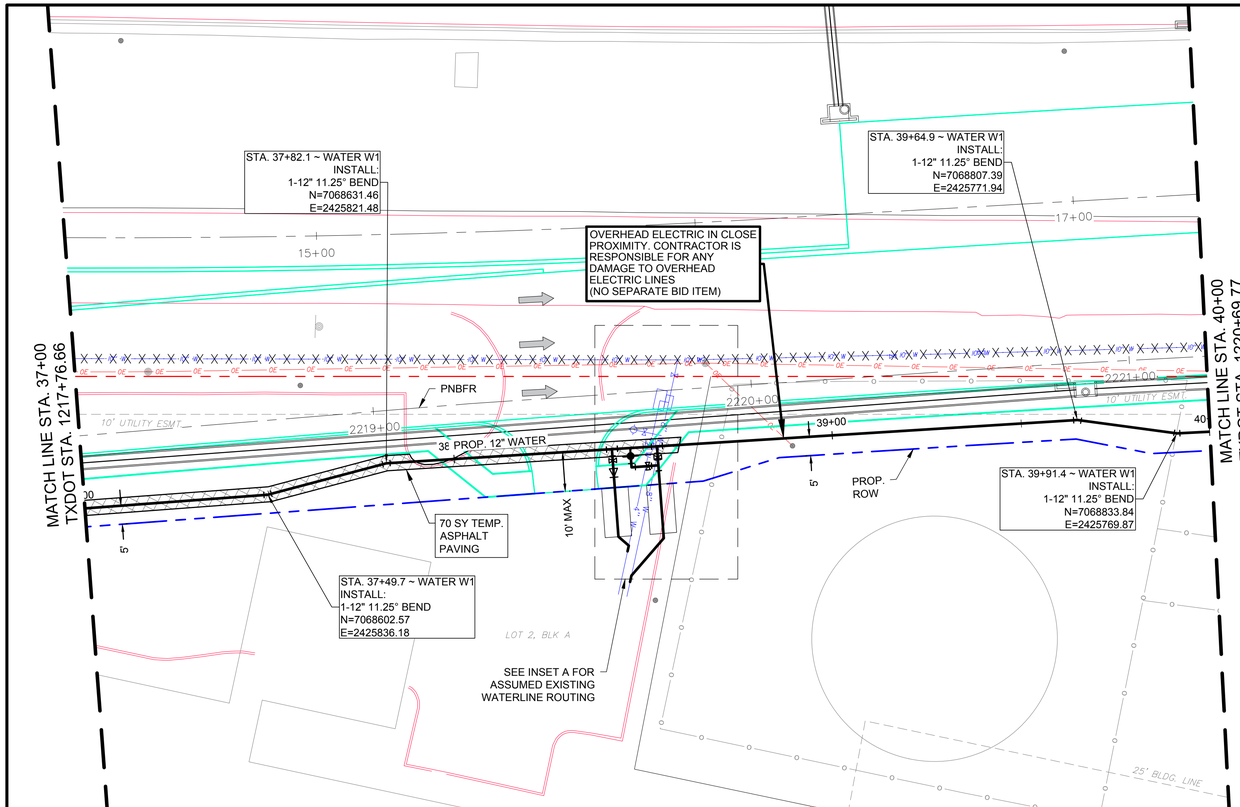
FOX AVE. TO W. COLLEGE ST.

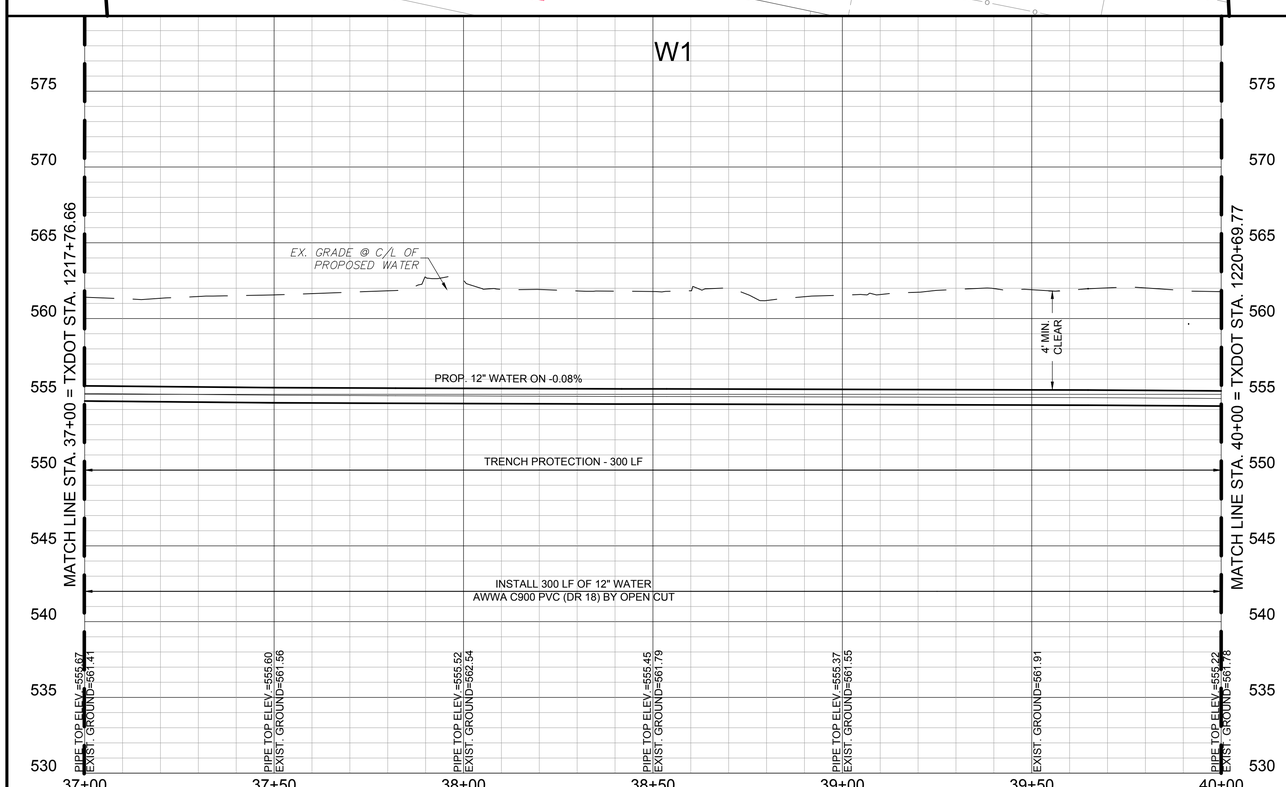
PLAN & PROFILE - WATER W1 FROM STA. 33+00 TO STA. 37+00

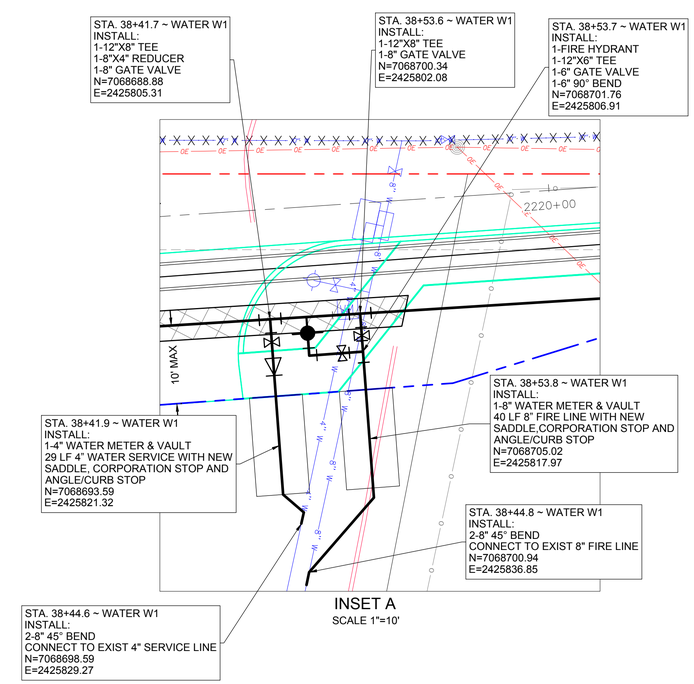
rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	25 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W. COLLEGE - IH-35E UTILITY RELOCATIONS_CAD\03_SHEETS\18368800-FOX TO COLLEGE-PT.DWG
PLOTTED ON 01/12/2021; TIME 5:11:00 PM BY RICHARDQLANN1







INSET A
SCALE 1"=10'

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Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'
0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1
FROM STA. 37+00 TO STA. 40+00

rjngroup
Texas Registered Engineering Firm F-3260
RJN GROUP, INC.
14755 PRESTON RD. SUITE 710
DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	26 OF 74
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\\DAL-PANZURA1\OFFICE\18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH35E UTILITY RELOCATIONS\05_CADD_SHEETS\18365800-FOX TO COLLEGE-PT.DWG
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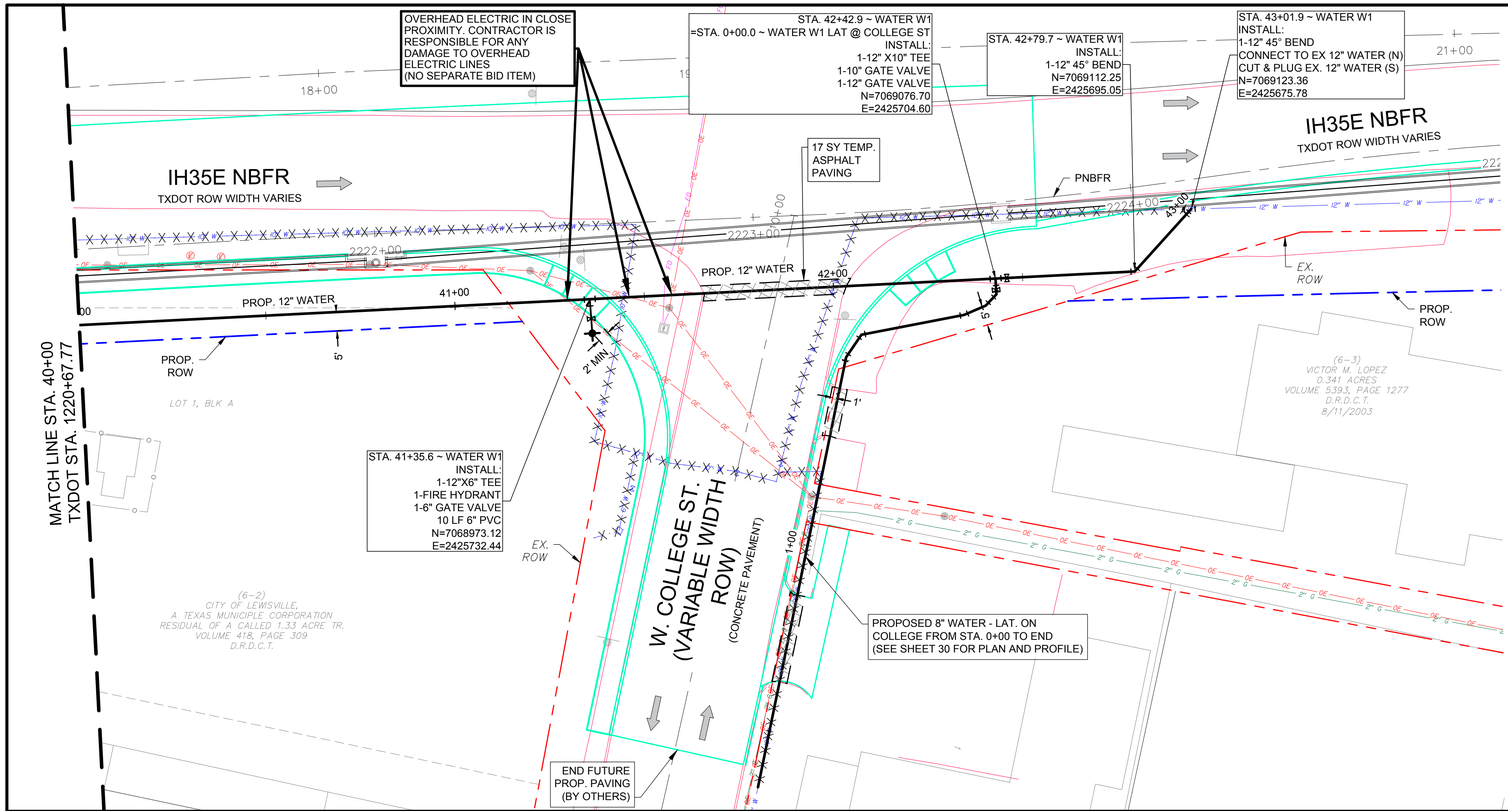

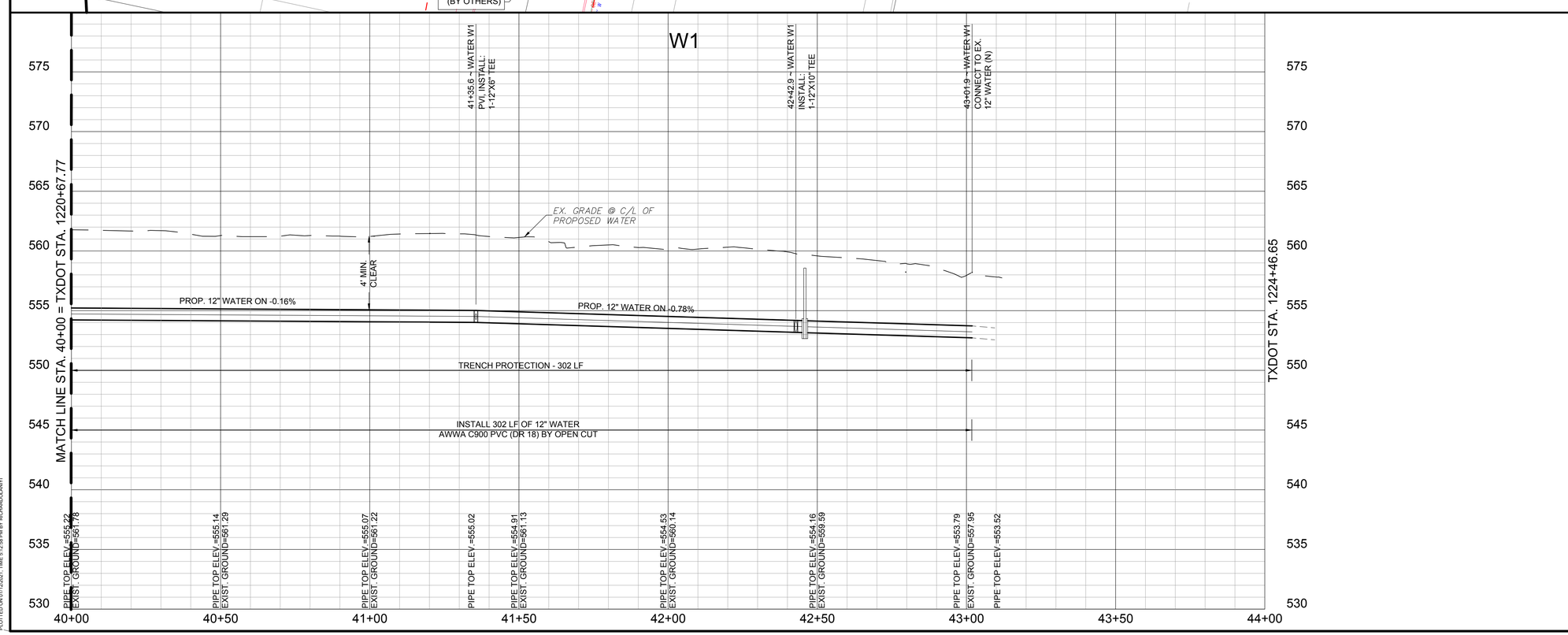

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Texas811

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HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1 FROM STA. 40+00 TO END

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	27 OF 74
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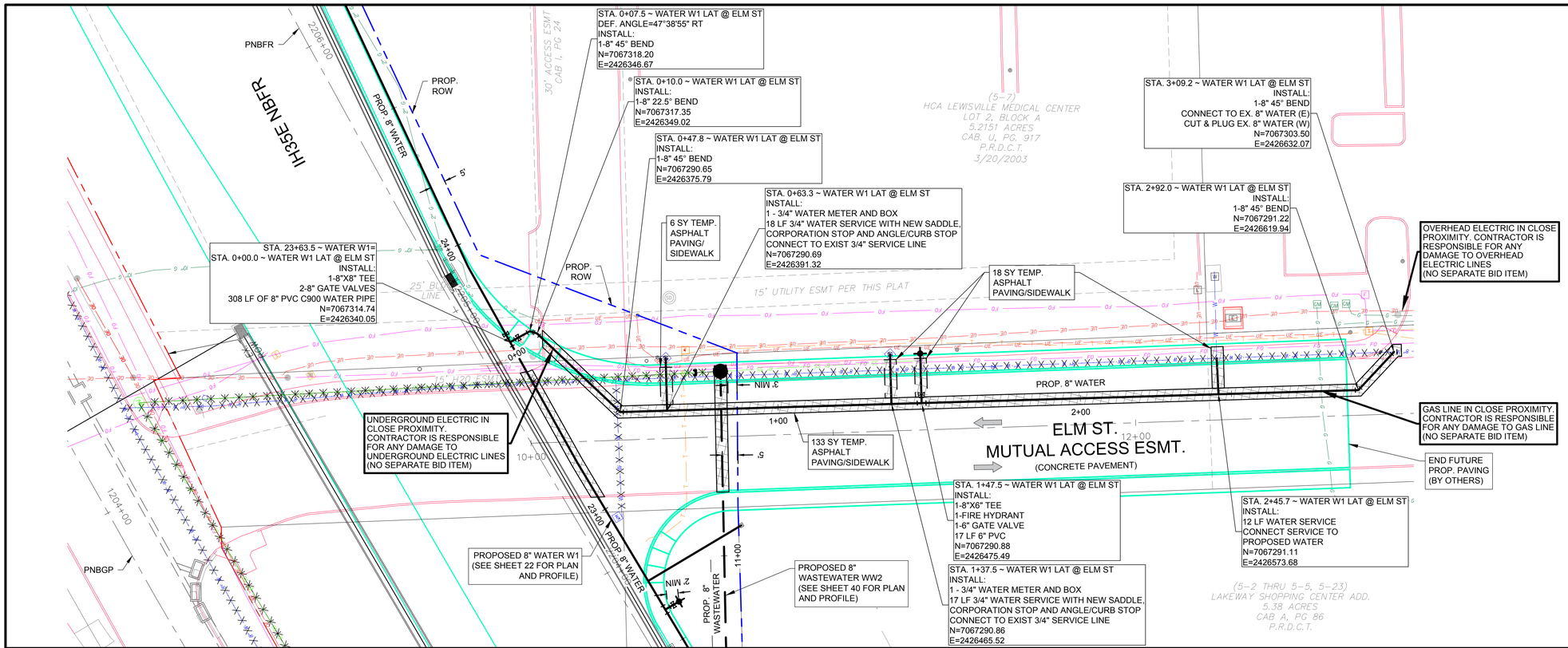

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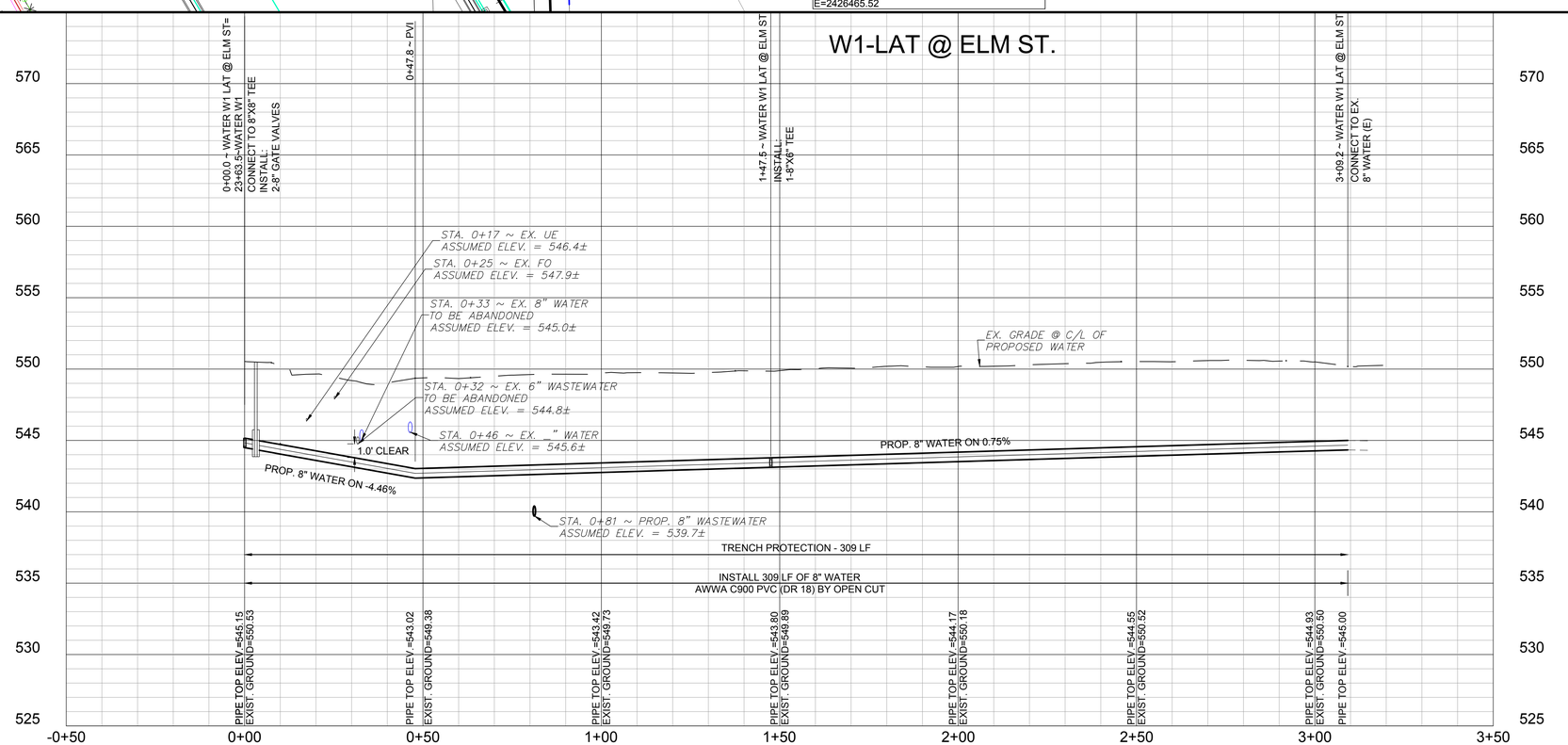
WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA. CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
Texas811



RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'
0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

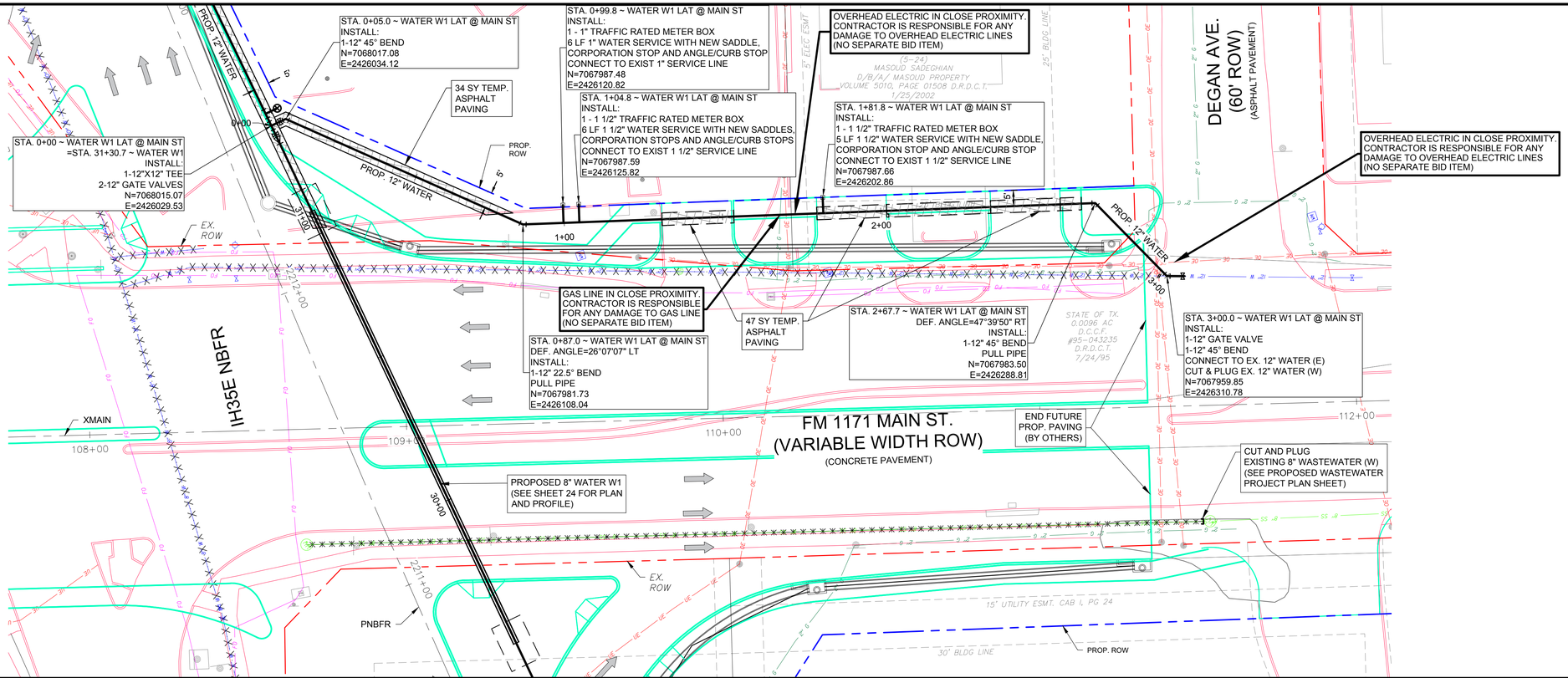
FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1
LAT. ON ELM FROM STA. 0+00 TO END

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	28 OF 74
CHECKED: JRC				

\\DAL-PANZURA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\5_CADD_SHEETS\18658800-FOX TO COLLEGE-PT.DWG
PLOTTED ON 01/12/2021, TIME 5:13:44 PM BY: RICHARDDLANH



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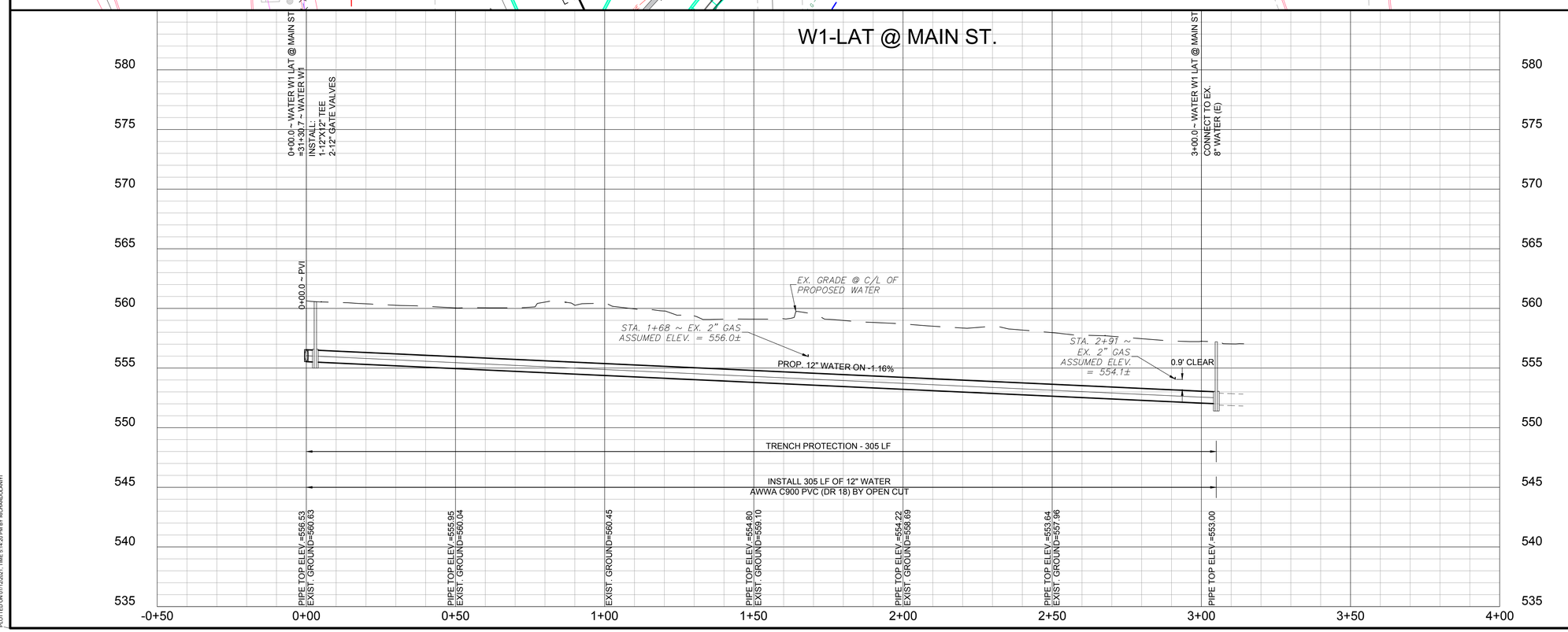

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Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'
0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

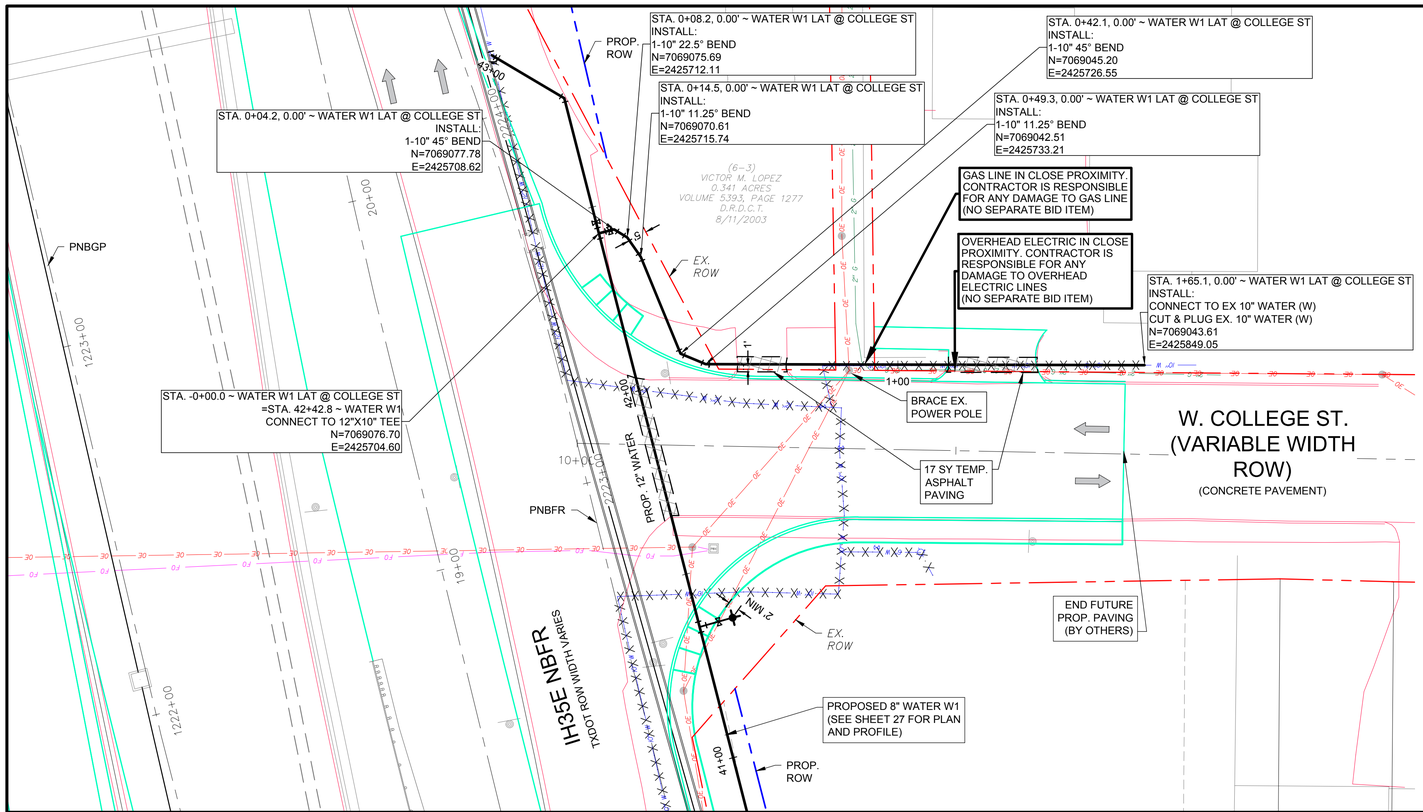
FOX AVE. TO W. COLLEGE ST.

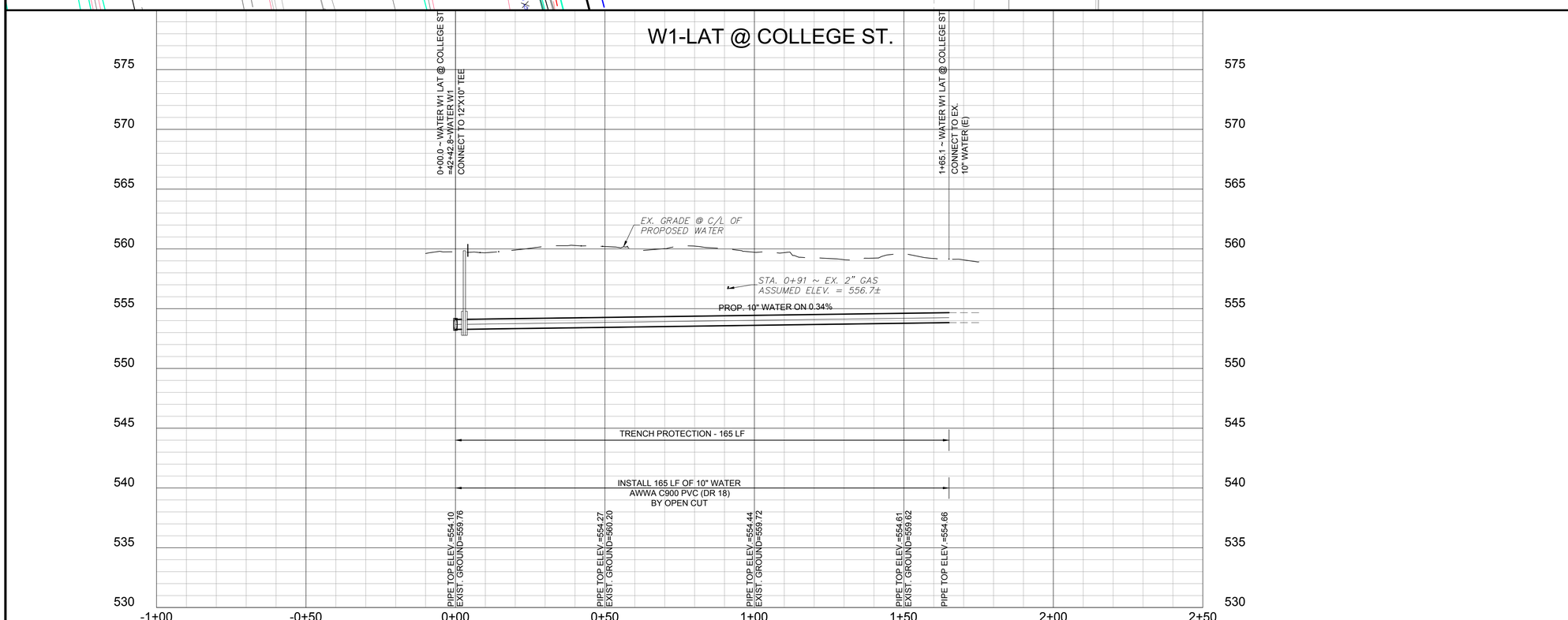
PLAN & PROFILE - WATER W1
LAT. ON MAIN FROM STA. 0+00 TO END

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	29 OF 74
CHECKED: JRC				

\\DAL-PANZURA\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS_CADD_SHEETS\18658800-FOX TO COLLEGE-PP.DWG
PLOTTED ON 01/12/2021, TIME 5:14:20 PM BY: RICHARDOLANYI





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Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
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STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W1
LAT. ON COLLEGE FROM STA. 0+00 TO END

rjngroup *Texas Registered Engineering Firm F-3260* RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	30 OF 74
CHECKED: JRC				

\\DAL-PANZURA\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\5_CADD_SHEETS\18658800-FOX TO COLLEGE-P7.DWG
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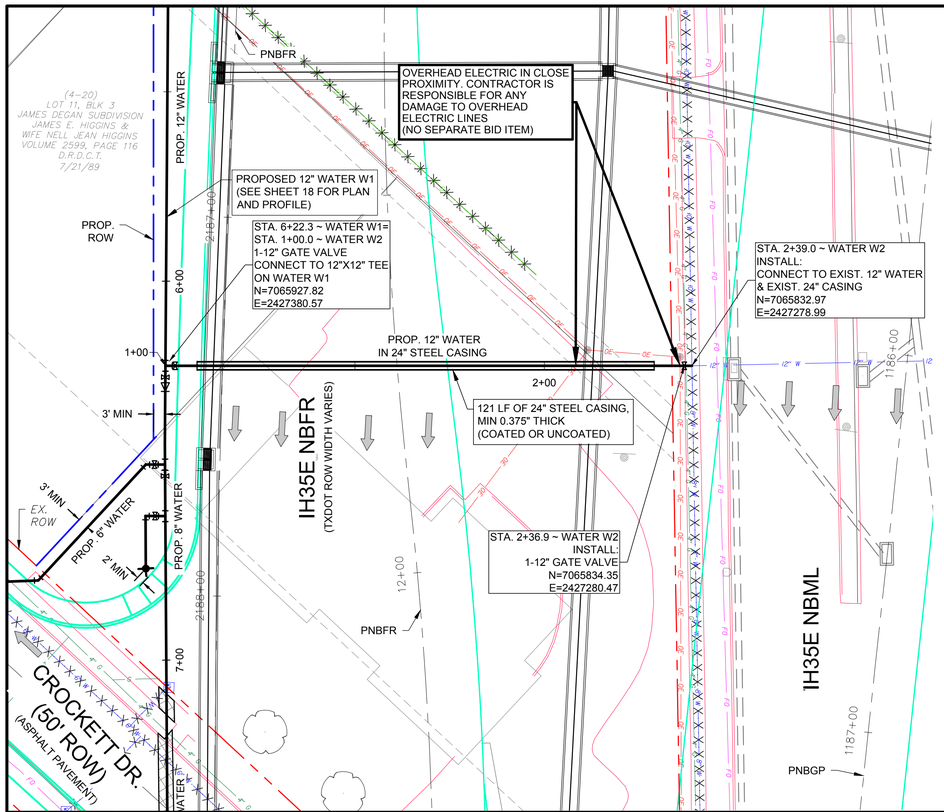

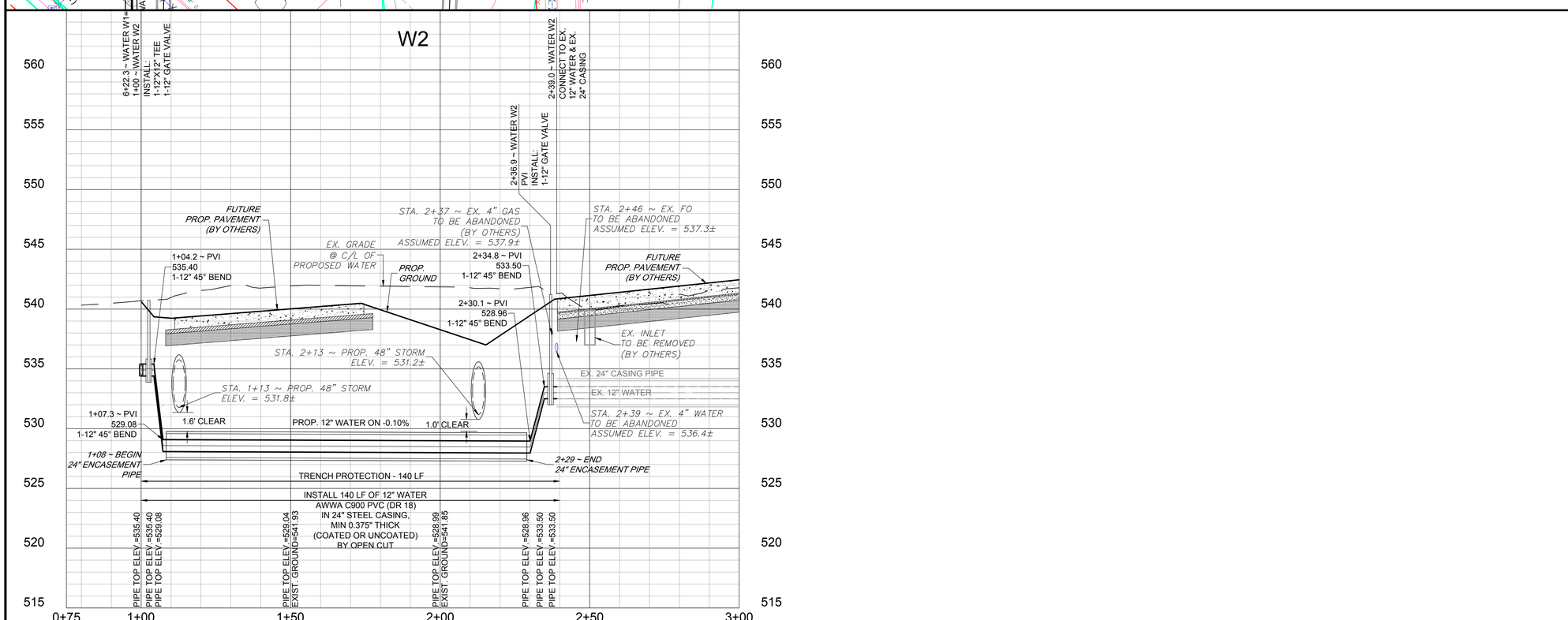

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Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'
0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

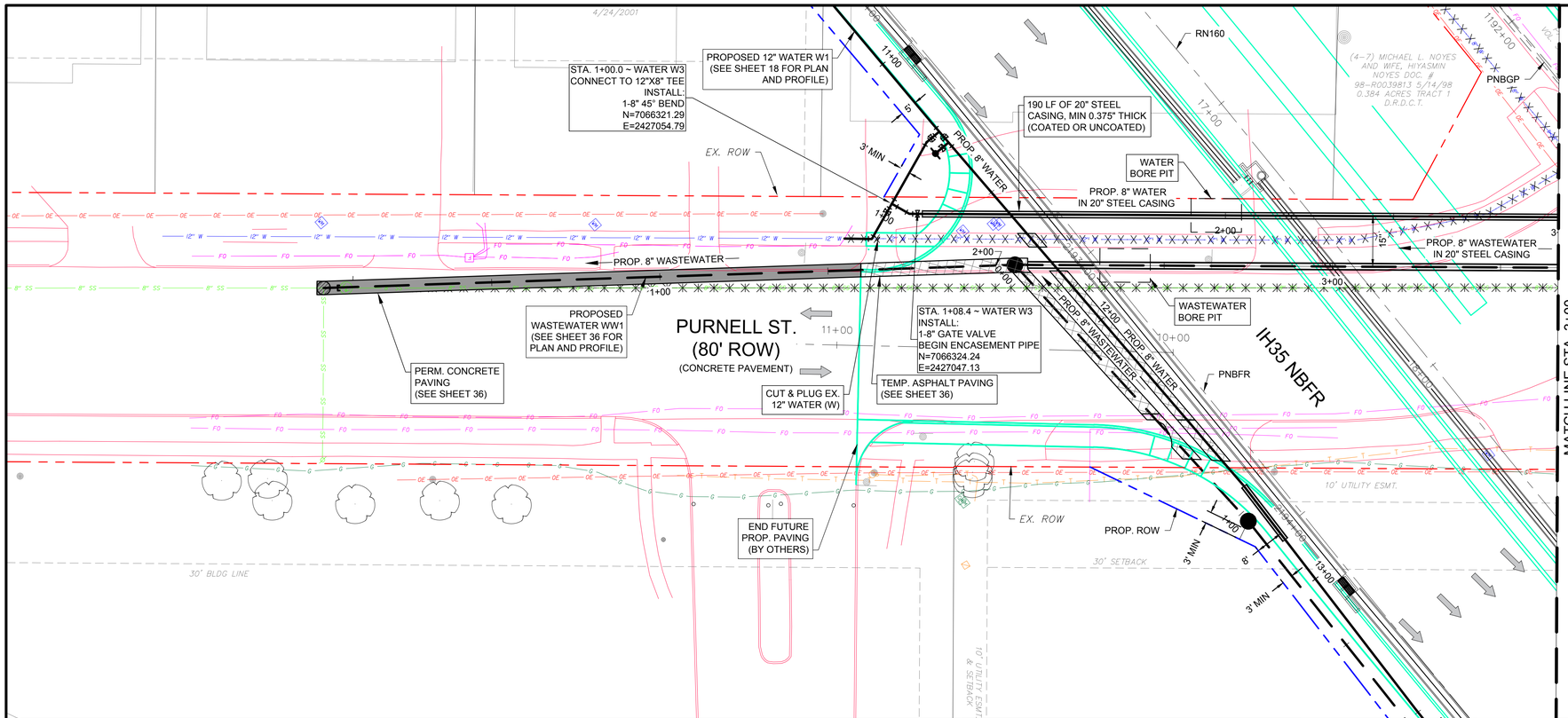
FOX AVE. TO W. COLLEGE ST.

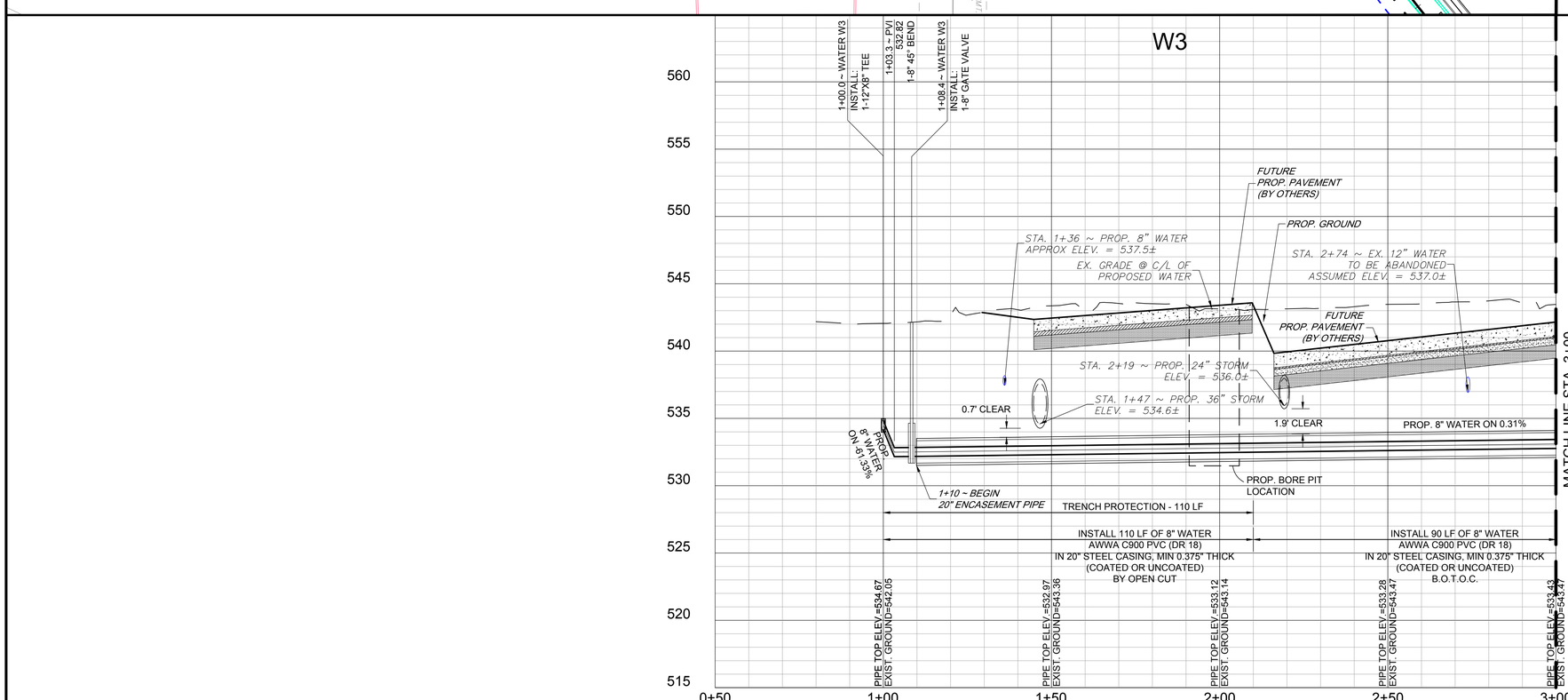
PLAN & PROFILE - WATER W2
FROM STA. 1+00 TO END

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	31 OF 74
CHECKED: JRC				

\\DAL-PRNDGRA1\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\5_CADD_SHEETS\18658800-FOX TO COLLEGE-PT.DWG
PLOTTED ON 01/12/2021, TIME 5:15:38 PM BY: RICHARDOLANYI





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0 10' 20' 40'
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STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - WATER W3
FROM STA. 1+00 TO STA. 2+50

rjngroup
Texas Registered Engineering Firm F-3260
RJN GROUP, INC.
14755 PRESTON RD. SUITE 710
DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	32 OF 74
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\\DAL-PANDURA\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\6_CAD\32_SHEETS\1835800-FOX TO COLLEGE-PT DWG
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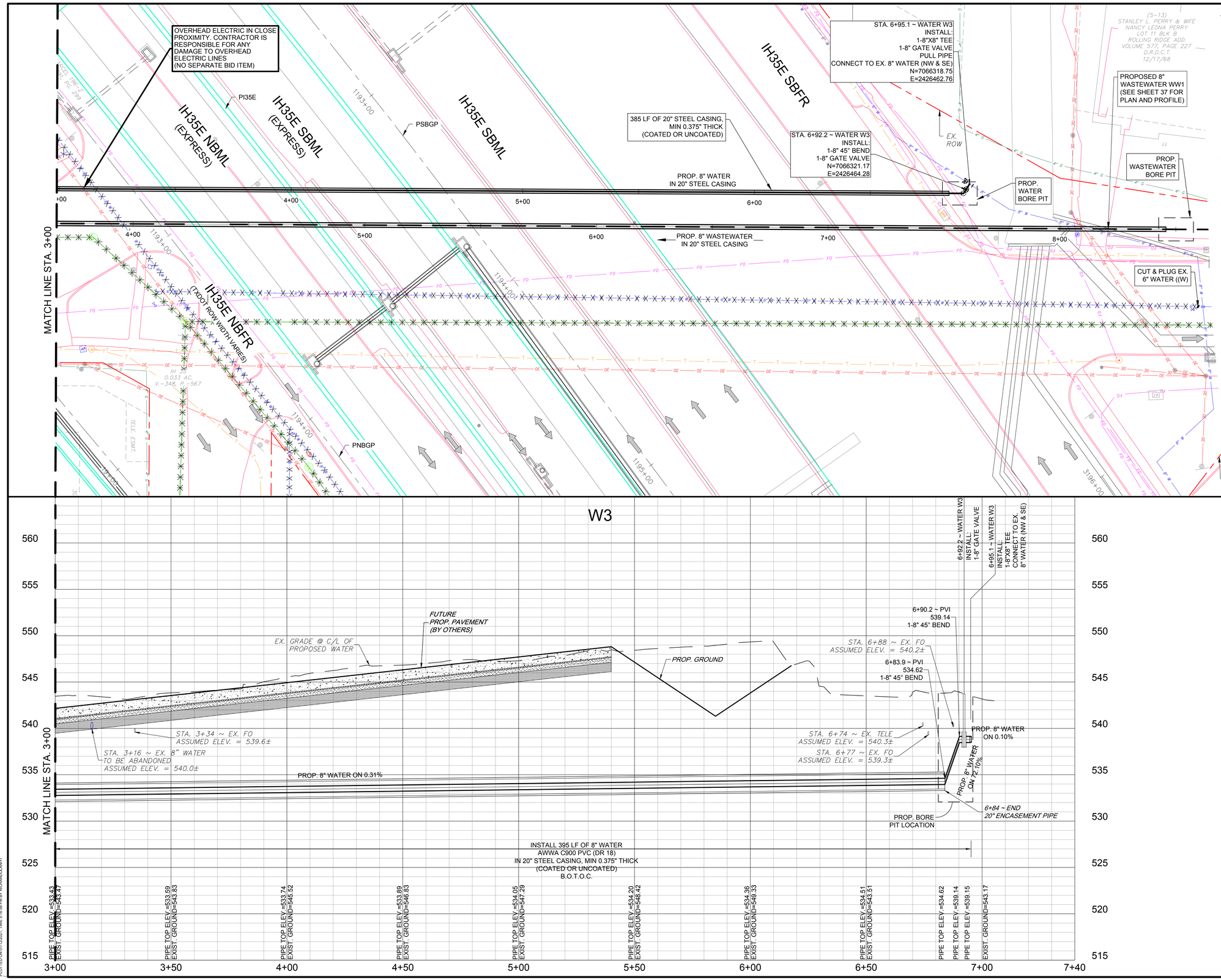

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CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

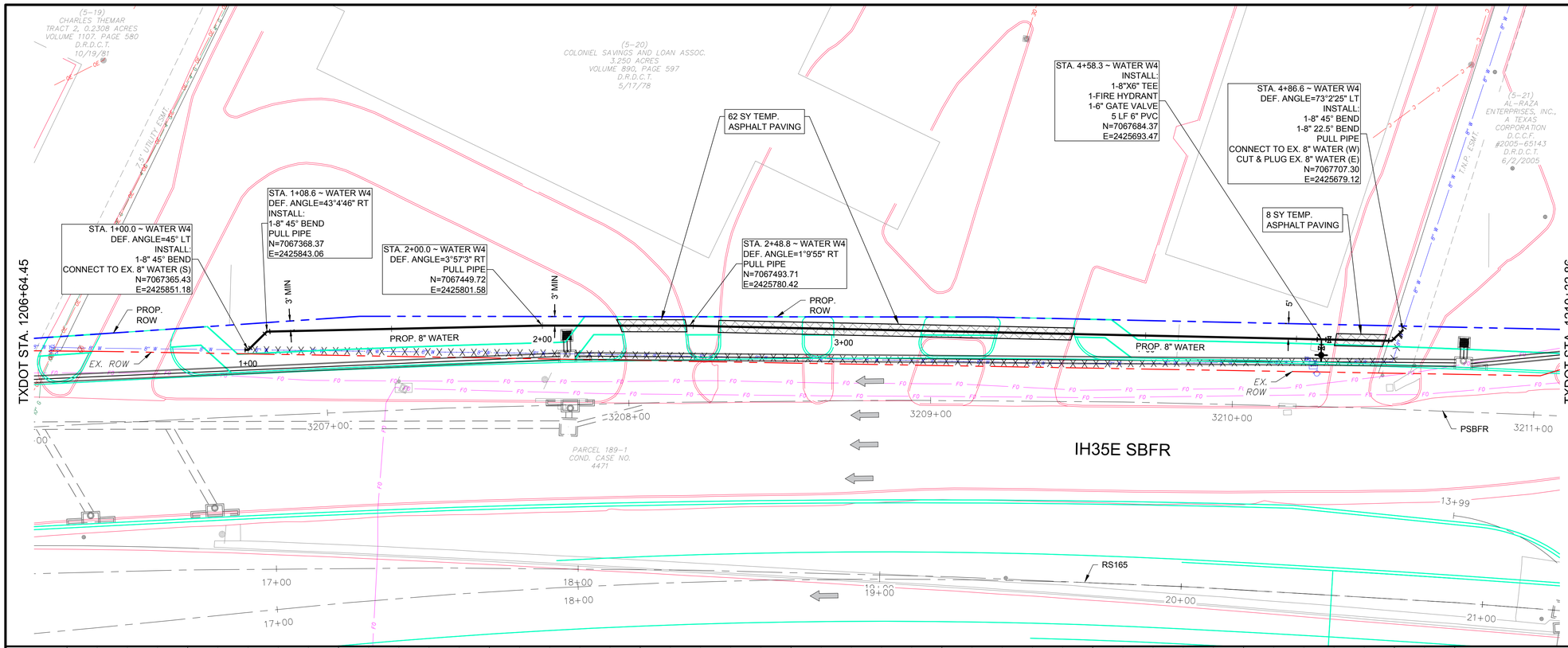
FOX AVE. TO W. COLLEGE ST.

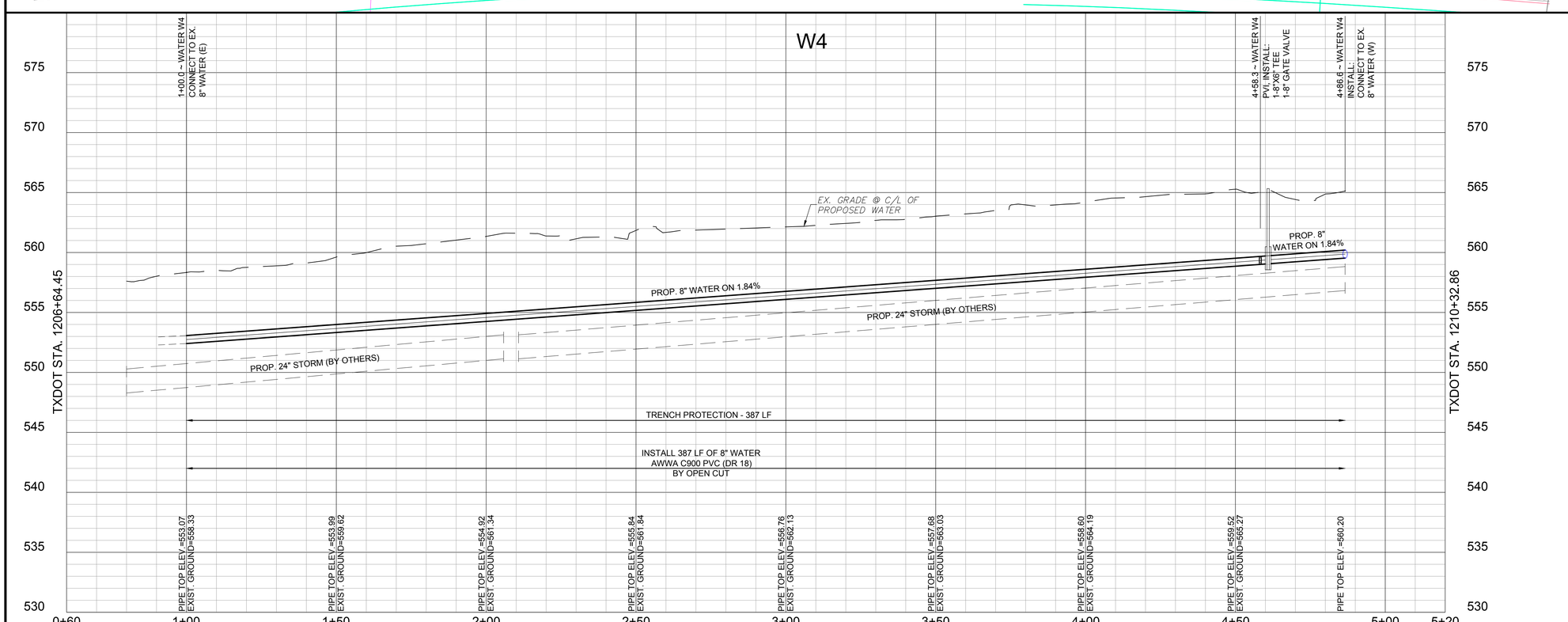
PLAN & PROFILE - WATER W3
FROM STA. 2+50 TO END

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	33 OF 74
CHECKED: JRC				

\\DAL-PANZURA\OFFICE-18\TEXAS\ENVISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\5_CADD_SHEETS\18658000-FOX TO COLLEGE-PT.DWG
PLOTTED ON 01/12/2021, TIME 5:16:58 PM BY RICHARDOLANN1





NOTES:

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4. PROPOSED WATER AND WASTEWATER MAINS TO BE INSTALLED BETWEEN 3 - 10 FT FROM ROW. PROPOSED WATER AND WASTEWATER MAINS TO BE NO CLOSER THAN 2.5 FT FROM BACK OF PROPOSED CONCRETE CURB.
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WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA. CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'

0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER

12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

PLAN & PROFILE - W4
FROM STA. 1+00 TO END

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	34 OF 74
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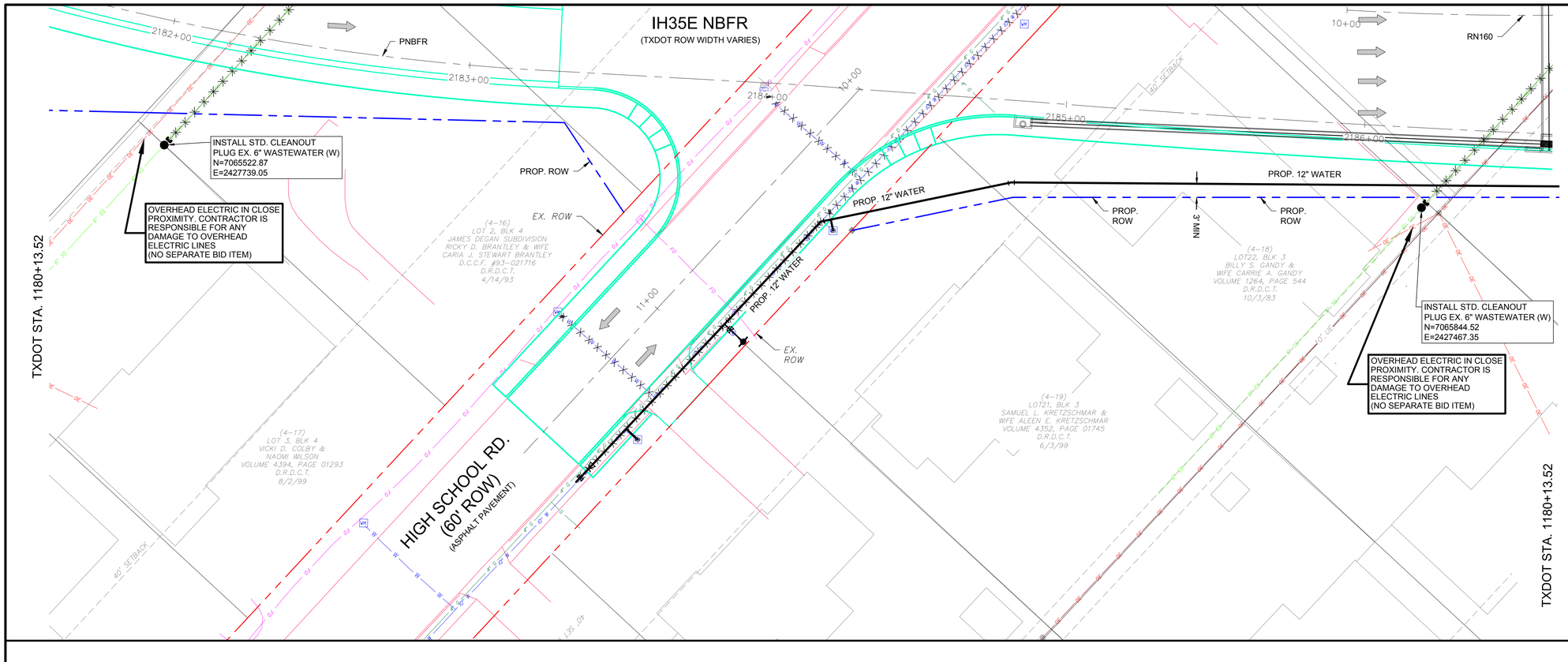
\\DAL-PANDORA\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\05_CADD\3_SHEETS\18385800-FOX TO COLLEGE-PT.DWG
PLOTTED ON 01/12/2021 - TIME 5:17:37 PM BY RICHARDOLANY1



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Texas811

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0 10' 20' 40'
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STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER

12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

WASTEWATER PLAN & PROFILE
WASTEWATER MANHOLE

rjngroup *Texas Registered Engineering Firm F-3260* RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

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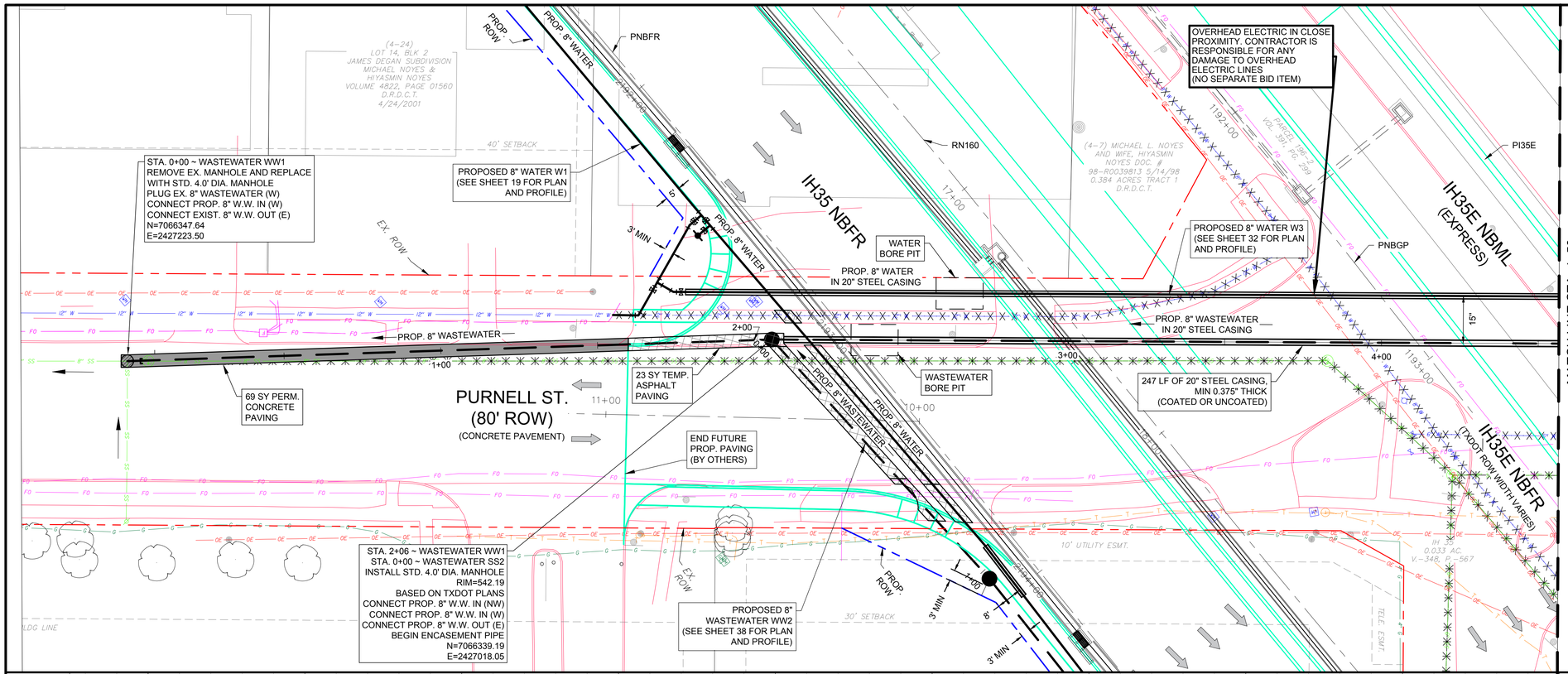

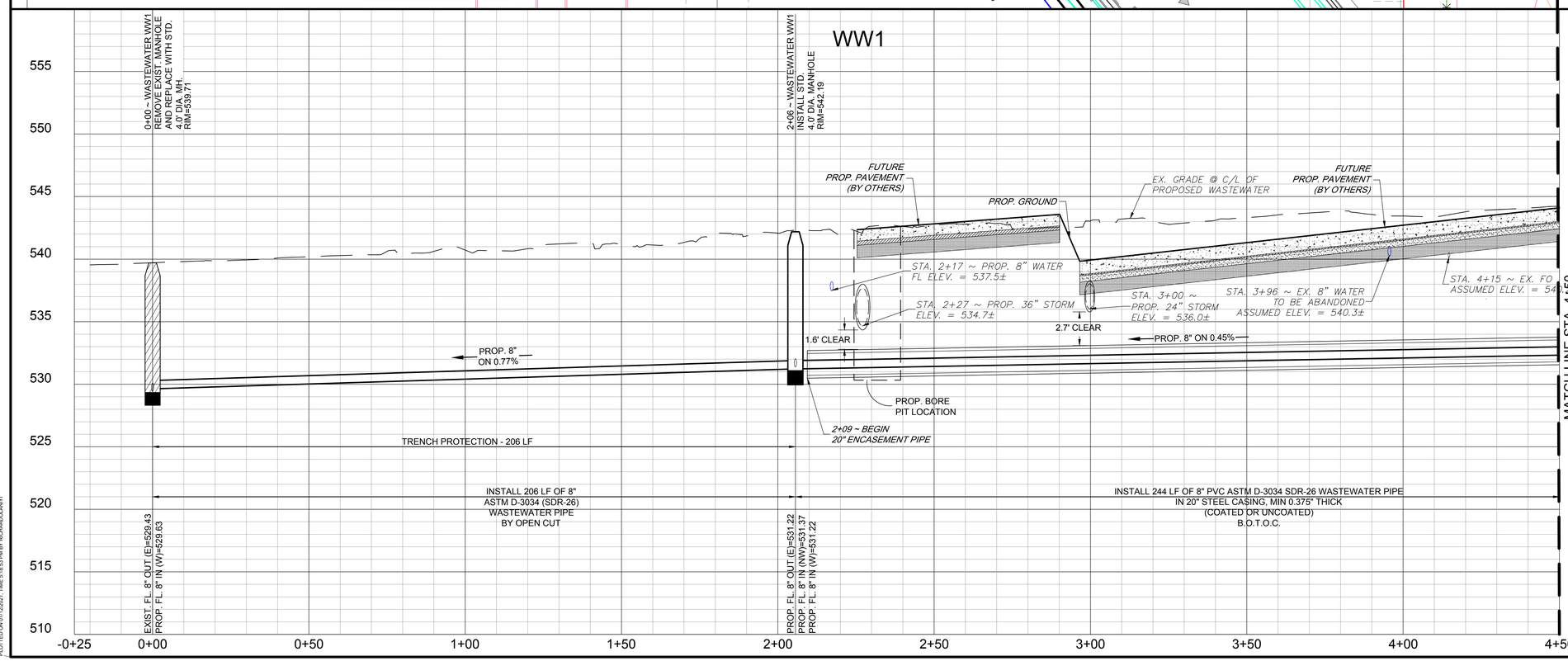

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0 10' 20' 40'
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STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

WASTEWATER PLAN & PROFILE
WASTEWATER WW1 STA. 0+00 TO STA. 4+50

rjngroup — Texas Registered Engineering Firm F-3260 — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

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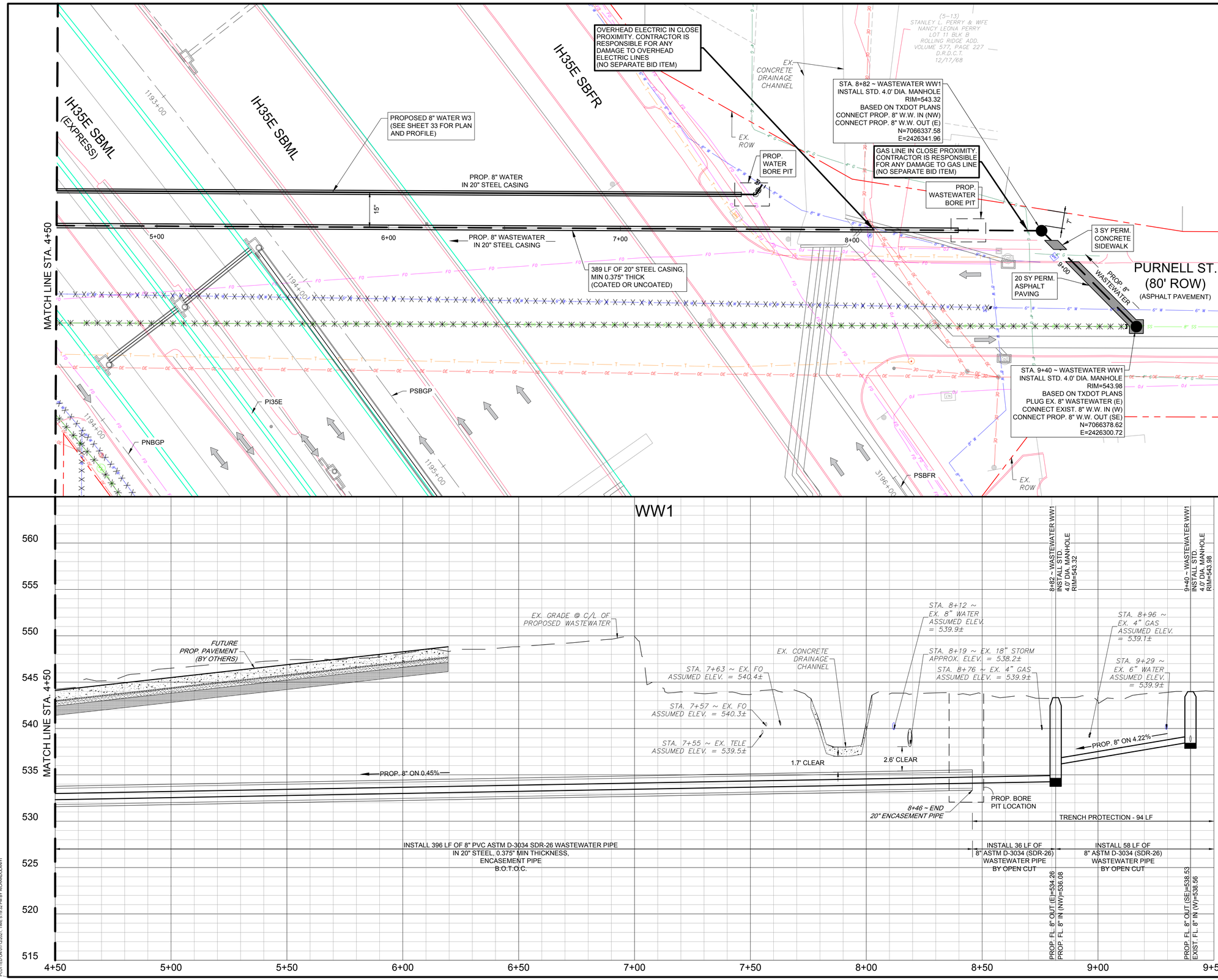

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0 10' 20' 40'
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MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER

12/2/2021

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3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

WASTEWATER PLAN & PROFILE
WASTEWATER WW1 STA. 4+50 TO END

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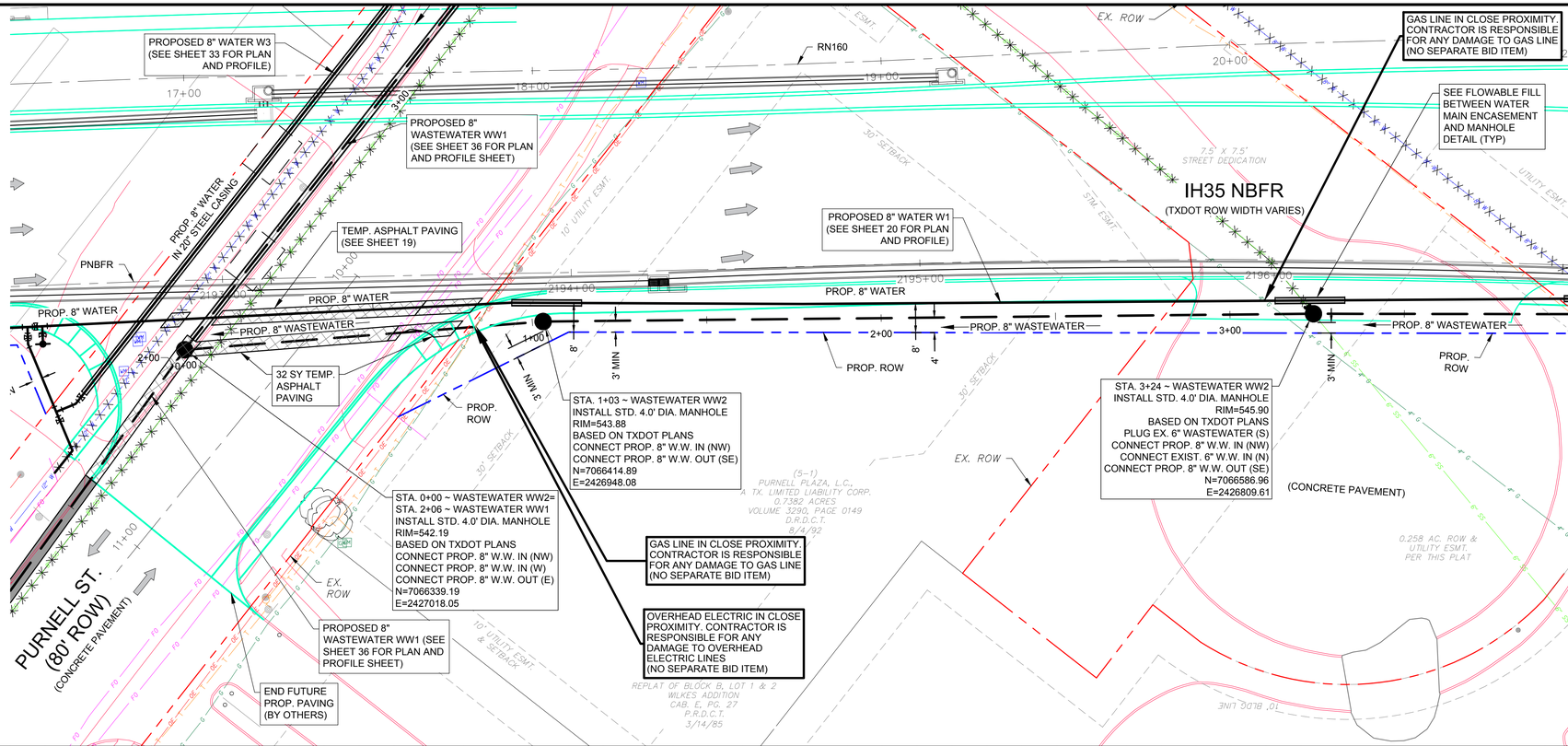

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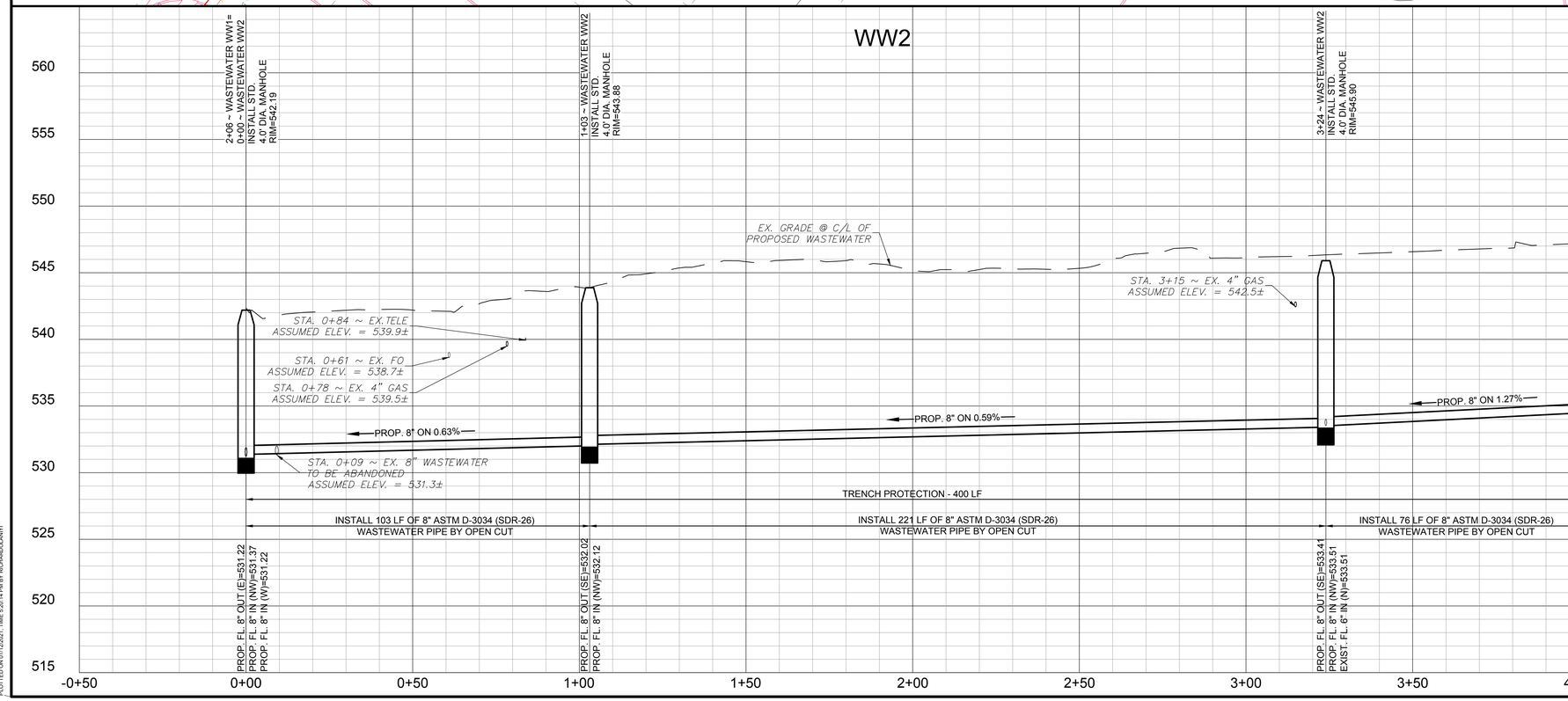

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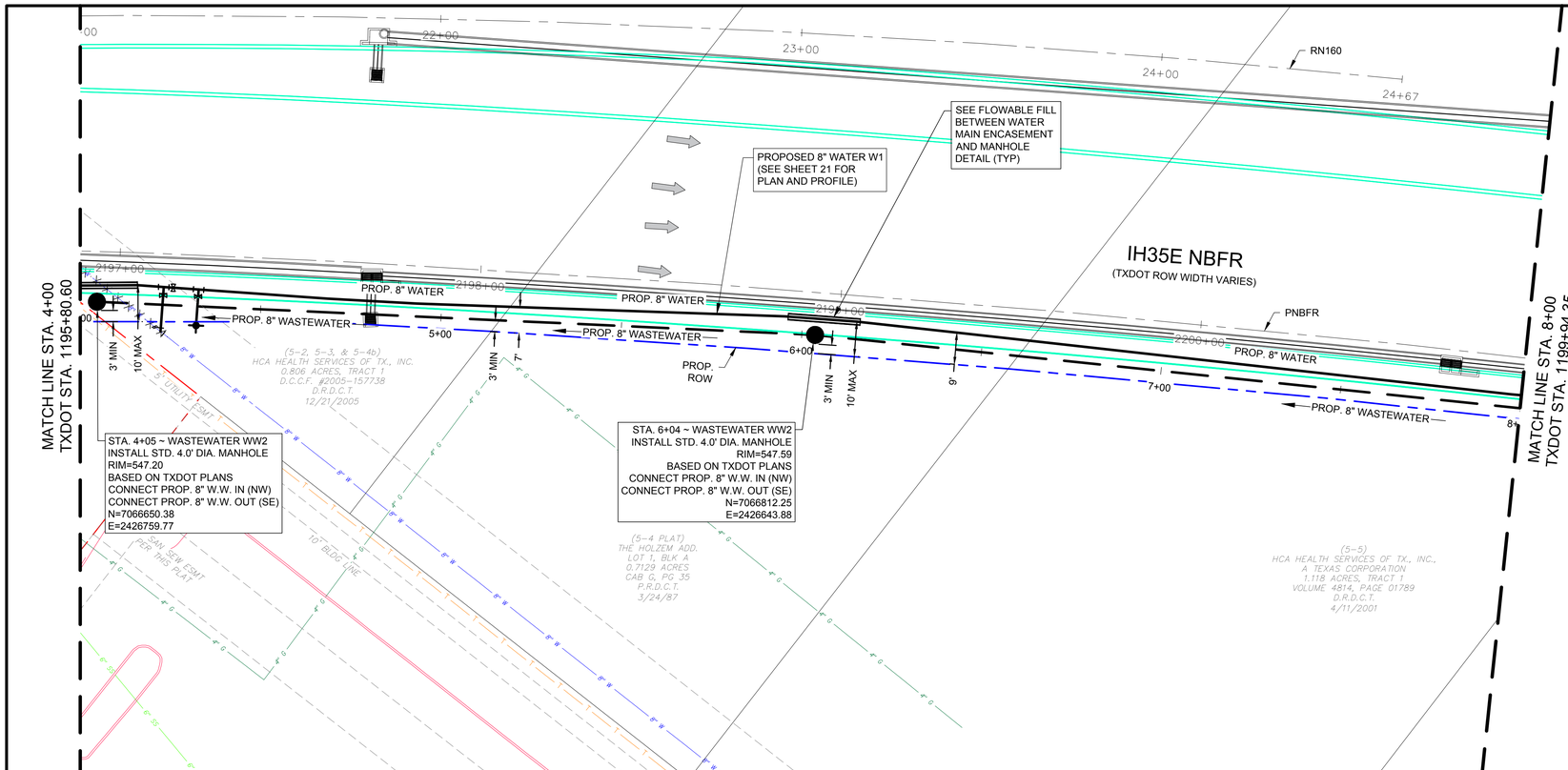

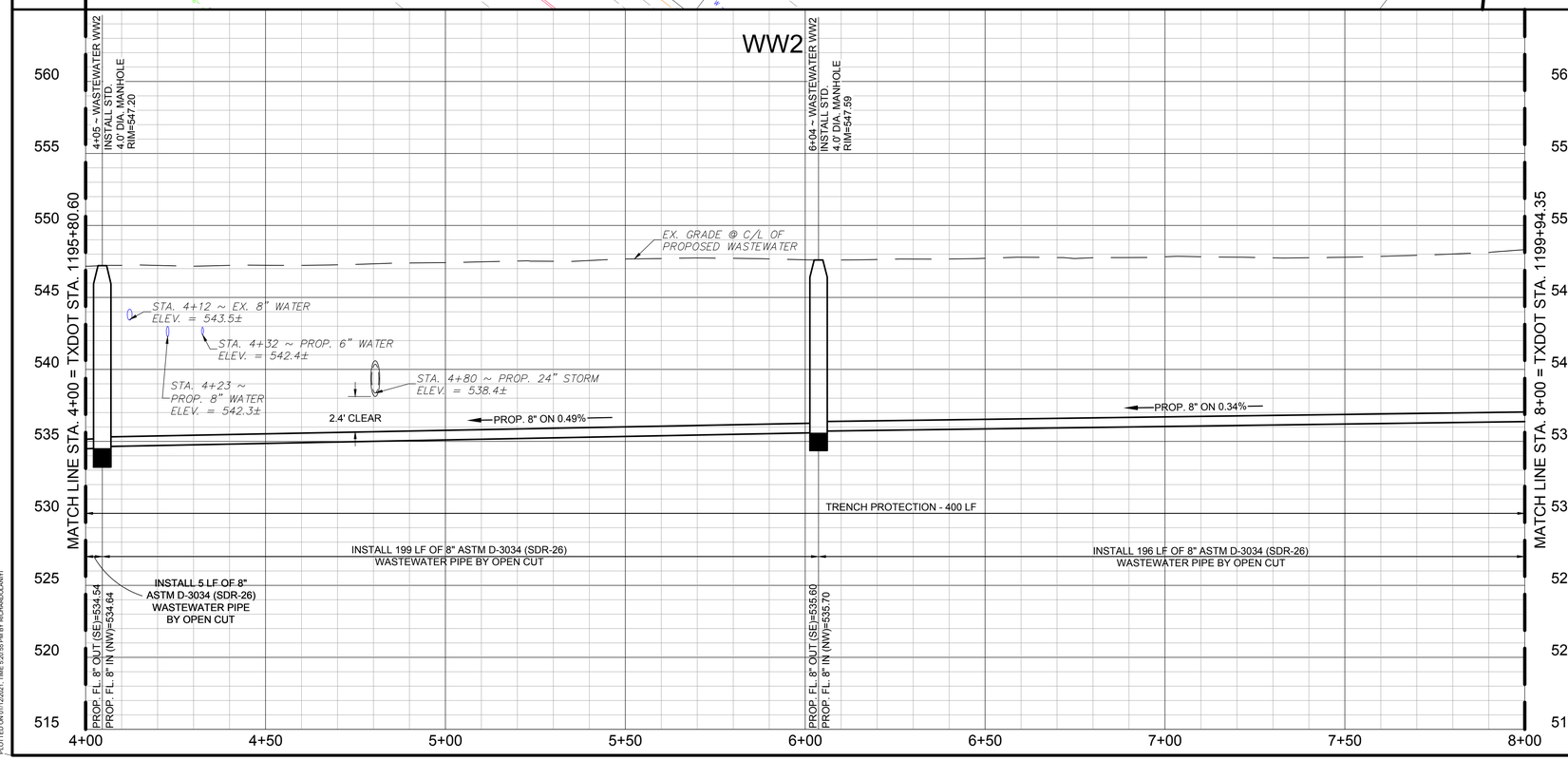

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12. SEE FLOWABLE FILL DETAIL FOR LOCATIONS WHERE THE PROPOSED MANHOLE AND WATER LINE CASING PIPE ARE LOCATED.
13. MAXIMUM DEFLECTION AT PIPE JOINT IS 1 DEGREE OR LESS UNLESS MANUFACTURER REQUIREMENTS ARE LESS. JOINT DEFLECTIONS SHOW ON PLANS MAY OCCUR OVER MORE THAN ONE PIPE JOINT.
14. SEE DEMO SHEETS FOR ABANDONED AND REMOVED WATER AND WASTEWATER ITEMS.
15. ALL BENDS, TEES, CROSSES AND VALVES 8" AND LARGER SHALL HAVE THRUST BLOCKING AS SHOWN ON SHEET 70.
16. FOR COMPLETE INFORMATION OF WATER AND WASTEWATER MAINS AND ACCESSORIES TO BE ABANDONED AND/OR REMOVED, SEE DEMOLITION SHEETS.

WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA, CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION
Texas811

RJN GROUP INC.
Engineering infrastructure for tomorrow
Texas Registered Engineering Firm F-3260
14755 Preston Rd. Suite 710
Dallas TX 75254

0 10' 20' 40'
HORIZONTAL SCALE: 1"=20'
0 5' 10'
VERTICAL SCALE: 1"=5'

STATE OF TEXAS
MARK D. HINTON
80210
LICENSED
PROFESSIONAL ENGINEER
12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

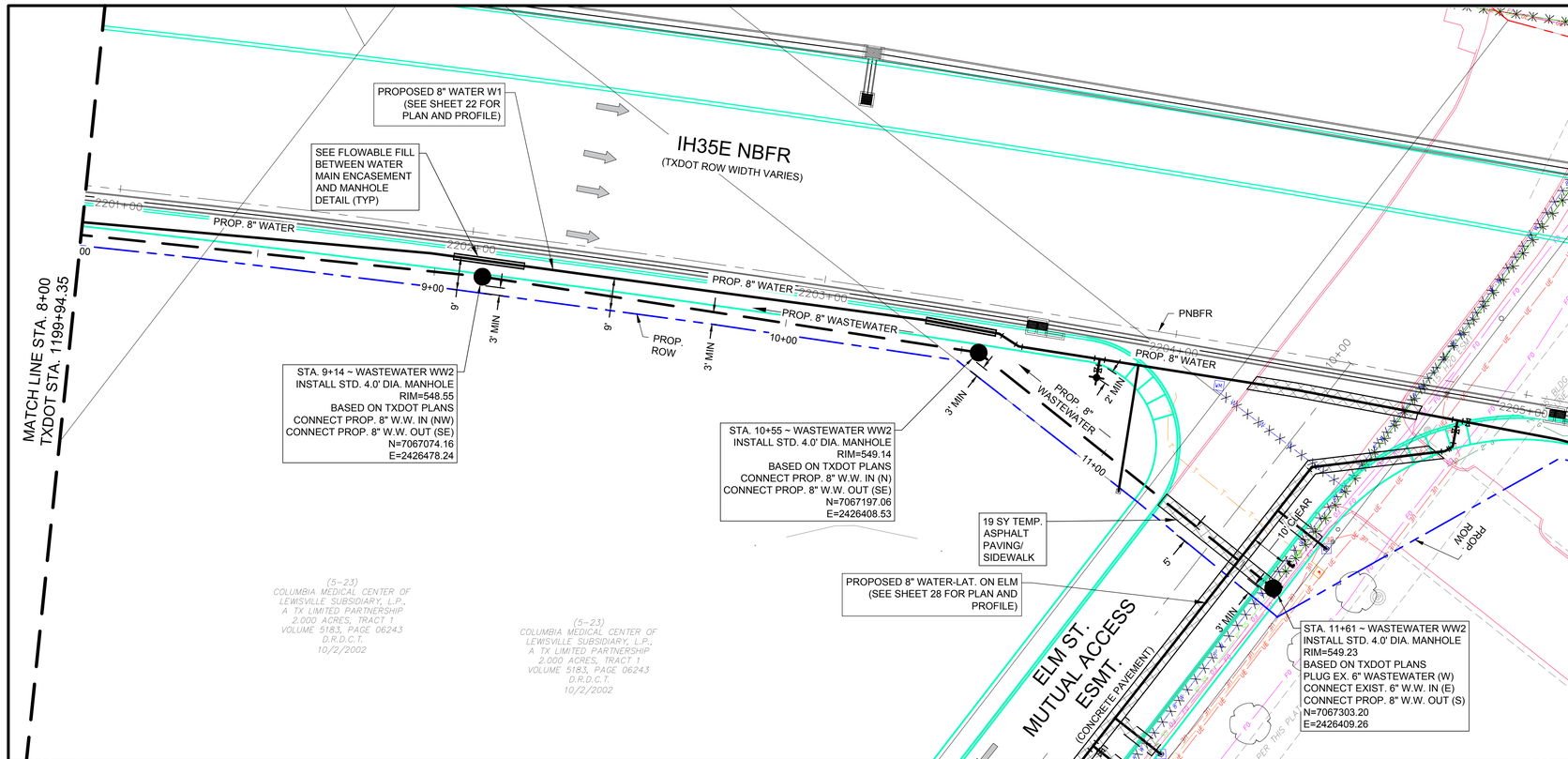
FOX AVE. TO W. COLLEGE ST.

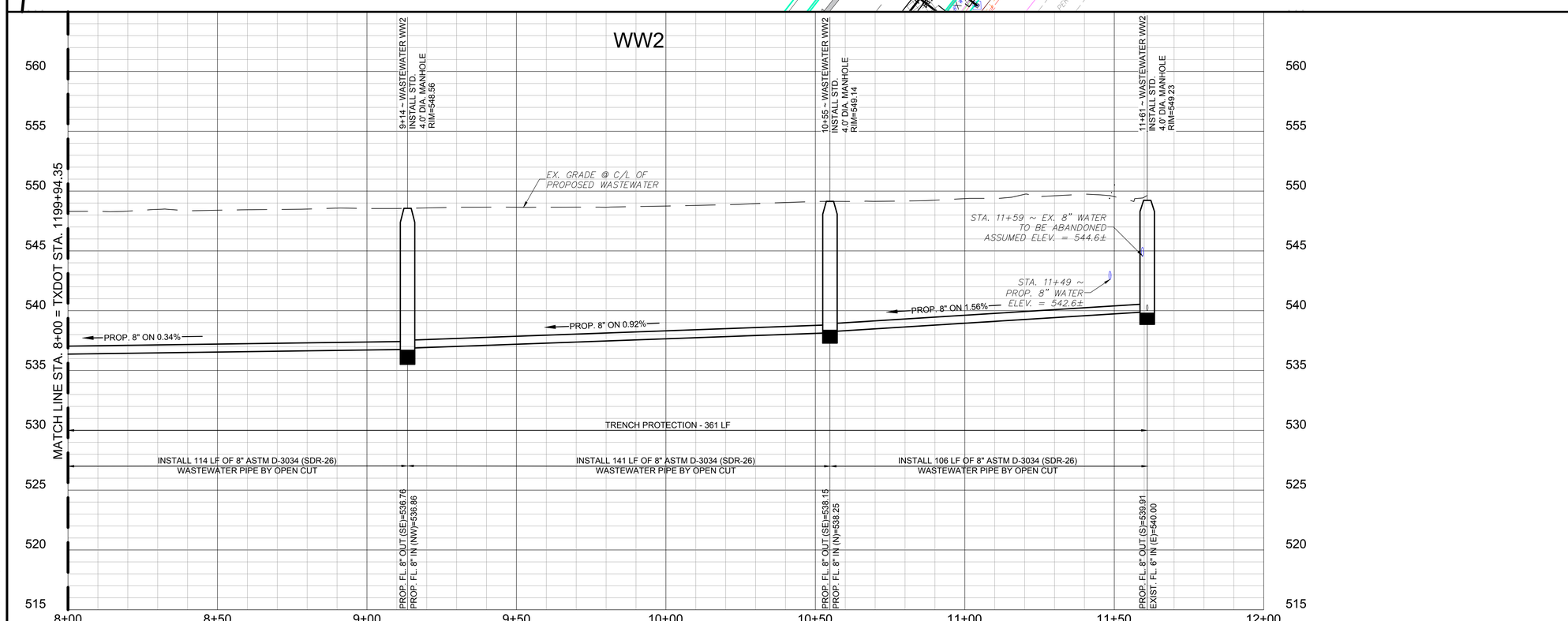
WASTEWATER PLAN & PROFILE
WASTEWATER WW2 STA. 4+00 TO STA. 8+00

rjngroup
Texas Registered Engineering Firm F-3260
RJN GROUP, INC.
14755 PRESTON RD. SUITE 710
DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	39 OF 74
CHECKED: JRC				

\\DAL-PANDORA\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\05_CAD\03_SHEETS\18658000-FOX TO COLLEGE-PT.DWG
PLOTTED ON 01/12/2021, TIME 5:20:55 PM BY RICHARDOLANYI





NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO MANUFACTURING PIPE AND BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE WITH EXISTING FRANCHISE UTILITIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR EXISTING STRUCTURES AND ANY DAMAGE THAT IS CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
4. PROPOSED WATER AND WASTEWATER MAINS TO BE INSTALLED BETWEEN 3 - 10 FT FROM ROW. PROPOSED WATER AND WASTEWATER MAINS TO BE NO CLOSER THAN 2.5 FT FROM BACK OF PROPOSED CONCRETE CURB.
5. CONTRACTOR TO FIELD VERIFY ALL EXISTING WATER SERVICE CONNECTIONS AND CONNECT TO PROPOSED WATER MAINS.
6. INSTALL NEW WATER METERS AND BOXES AT PROPERTY LINES IN ACCORDANCE WITH CITY OF LEWISVILLE STANDARD DETAILS.
7. CONTRACTOR TO FIELD VERIFY ALL EXISTING FIRELINE CONNECTIONS AND CONNECT TO PROPOSED WATER MAIN.
8. REPLACE ALL WASTEWATER SERVICES FROM PROPERTY LINE TO NEW WASTEWATER MAIN. INSTALL PROPERTY LINE CLEANOUTS ON ALL WASTEWATER SERVICES IN ACCORDANCE WITH CITY OF LEWISVILLE STANDARD DETAILS.
9. CONFIRM EXISTING STRUCTURES ALONG THE ALIGNMENT HAVE BEEN REMOVED PRIOR TO CONSTRUCTION. NOTIFY THE CITY IF EXISTING STRUCTURES HAVE NOT BEEN REMOVED.
10. MINIMUM WATER MAIN SLOPE SHALL BE 0.10%.
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12/2/2021

REV.	COMMENTS	BY	DATE
3			
2			
1			

CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

WASTEWATER PLAN & PROFILE
WASTEWATER WW2 STA. 8+00 TO END

rjngroup — *Texas Registered Engineering Firm F-3260* — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
DRAWN: PRR	Dec 2021	1"=20' H 1"=5' V	18-3658-00	40 OF 74
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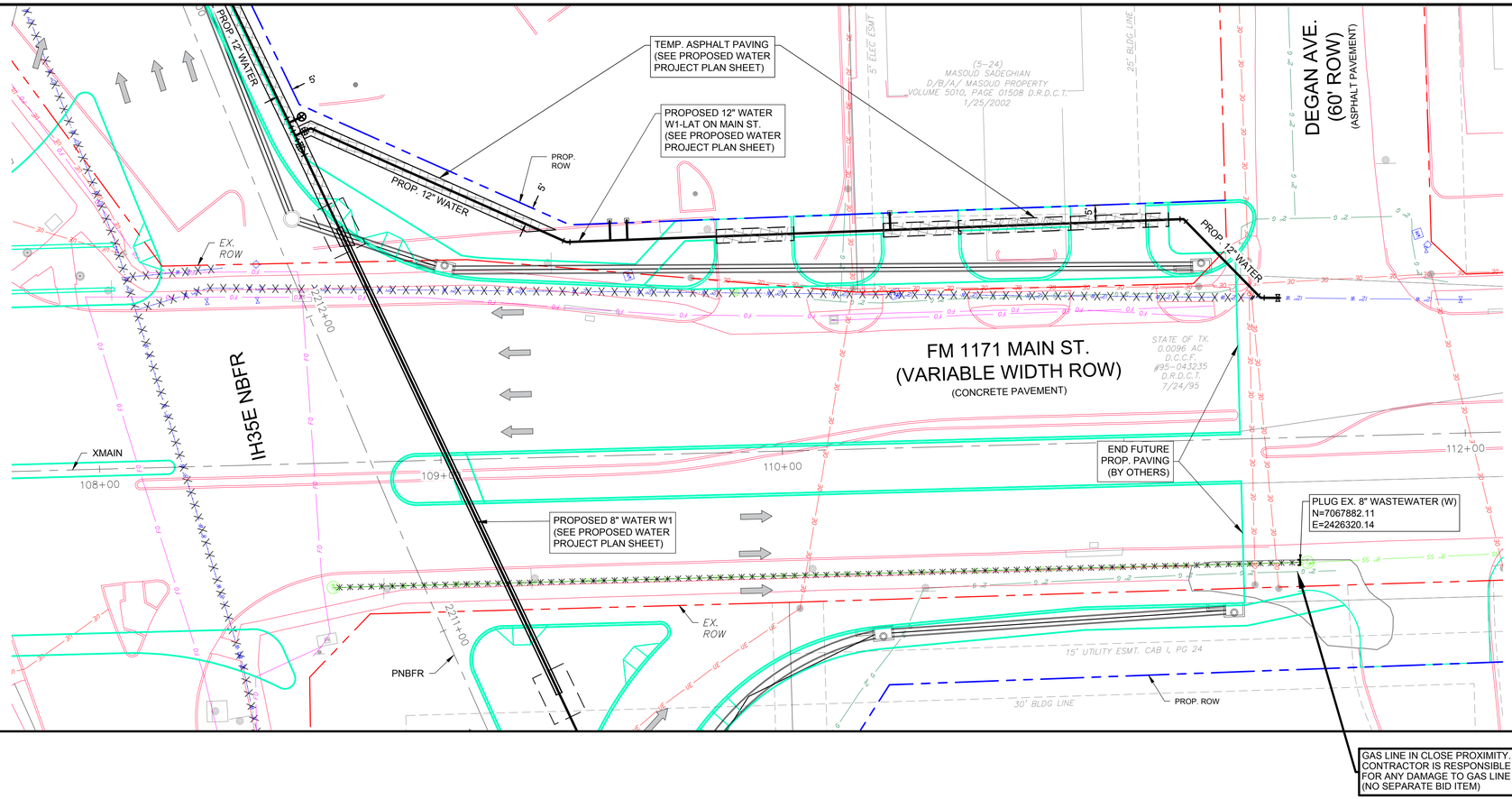
\\DAL-PANZURA\OFFICE-18\TEXAS\LEWISVILLE\18-3658-00 - FOX TO W COLLEGE - IH-35E UTILITY RELOCATIONS\05_CADD_SHEETS\1858800-FOX TO COLLEGE-PT.DWG
PLOTTED ON 01/12/2021, TIME 5:21:37 PM BY RICHARDOLANN1



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CITY OF LEWISVILLE, TEXAS
ENGINEERING DEPARTMENT

FOX AVE. TO W. COLLEGE ST.

WASTEWATER PLAN & PROFILE
WASTEWATER MANHOLE ON MAIN ST.

rjngroup — *Texas Registered Engineering Firm F-3260* — RJN GROUP, INC. 14755 PRESTON RD. SUITE 710 DALLAS, TEXAS 75254

DESIGN: MDH	DATE	SCALE	PROJECT NO.	SHEET
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CHECKED: JRC				

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PLOTTED ON 01/12/2021, TIME 5:22:15 PM BY RICHARDOLANN1