

# TURQUOISE TRAIL WATERLINE

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# COUNTY OF SANTA FE, NEW MEXICO





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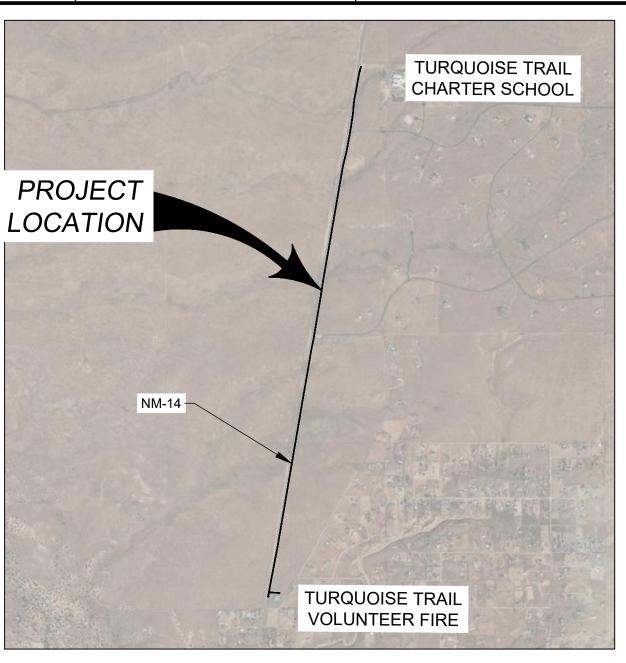
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н	<ul> <li><u>ROADWAY CONSTRUCTION</u></li> <li>1. ALL ROADWAY CONSTRUCTION AND RE-CONSTRUCTION SHALL COMPLY WITH THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2007 EDITION AND SUBSEQUENT REVISIONS.</li> <li>2. A TRAFFIC CONTROL PLAN STAMPED BY A NM PROFESSIONAL ENGINEER IS REQUIRED FOR ALL PROJECTS WITHIN ANY SANTA FE COUNTY RIGHT OF WAY.</li> <li>3. THE CONTRACTOR MUST ADHERE TO ALL REQUIREMENTS AS SET FORTH IN ORDINANCE 2003-1 EXCAVATION/RESTORATION ORDINANCE FOR ALL WORK WITHIN SANTA FE COUNTY RIGHT OF WAY.</li> <li>4. THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH N.M. DOT STANDARD SPECIFICATIONS FOR ROA AND BRIDGE CONSTRUCTION AND ANY APPLICABLE SPECIAL PROVISION AND/OR SUPPLEMENTAL SPECIFICATION, AS WELL AS THE MOST CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. UNLESS OTHERWISE SPECIFIED HEREIN, ALL COSTS RELATED TO TRAFFIC CONTROL SPECIFICATION TRAFFIC CONTROL SPECIFICATION AND AND COSTS RELATED TO TRAFFIC CONTROL SPECIFICATION AND AND COSTS RELATED TO TRAFFIC CONTROL SPECIFIED AS CORRUGATED METAL PIPE (CMP) SHALL BE 16-GAUGE MINIMUM AND</li> </ul>	D GF COMPACTED BACKFILL. 5. WHEN CROSSING, WATER LIN OF THE WATER LINE AND TH 6. TYPICAL HORIZONTAL SEPAR/ SHALL BE EXCAVATED IN ALL
G	<ul> <li>STORM DRAIN MANHOLES SHALL HAVE STANDARD SF COUNTY COVERS AND RINGS.</li> <li>6. CONTRACTOR SHALL NOT BEGIN ANY CONSTRUCTION ACTIVITY WITHOUT THE APPLICABLE PERMITS FROM THE SANTA FE COUNTY. A COPY OF THE APPROVED DRAWINGS SHALL ALWAYS BE AVAILABLE AT THE CONSTRUCTION SITE DURING BUSINESS HOURS AND ORGANIZED BY THE PROJECT ENGINEER.</li> <li>7. A SANTA FE COUNTY INITIATED PRECONSTRUCTION CONFERENCE SHALL BE CONDUCTED IN THE PRESENCE OF THE PROJECT ENGINEER AND OR THE OWNERS PROJECT REPRESENTATIVE (OPR) PRIOR TO THE INITIATION OF ANY CONSTRUCTION ACTIVITY. IN ADDITION, THE CONTRACTOR SHALL NOTIFY THE COUNTY NO LESS THAN 24 HRS FROM THE BEGINNING OF ANY CONSTRUCTION WORK.</li> <li>8. THE OPR SHALL BE RESPONSIBLE FOR INITIATING ANY NECESSARY REVISIONS TO THE APPROVED DESIGN DRAWINGS, ALL APPROPRIATE DRAWINGS AND DESIGN CRITERIA TO SUPPORT SUCH CHANGES. ALL CHANGE-SUPPORTING DOCUMENTATION SHALL BE STAMPED BY A LICENSED ENGINEER IN NEW MEXICO, AND APPROVED BY SANTA FE COUNTY AS A CHANGE ORDER PRIOR TO EXECUTING ANY WORK.</li> <li>9. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A NEW MEXICO PROFESSIONAL SURVEYOR FOR VERIFICATION OF CRITICAL HORIZONTA VERTICAL CONTROL AND THE CERTIFICATION OF RECORD DRAWINGS. CRITICAL ELEVATIONS OR HORIZONTAL CONTROL MAY BE IDENTIFIED DRAWINGS, OR MAY BE IDENTIFIED BY THE COUNTY PROJECT MANAGER OR OPR AT HIS/HER DISCRETION. THE CONTROL MAY BE IDENTIFIED DRAWINGS, OR MAY BE IDENTIFIED BY THE COUNTY PROJECT MANAGER OR OPR AT HIS/HER DISCRETION. THE CONTRACTOR SHALL MAIN THE SITE A COPY OF ALL FIELD NOTES, TO BE MADE AVAILABLE FOR REVIEW BY THE COUNTY PROJECT MANAGER OR OPR AT ANY TIMI. THE EXECUTION OF THE PROJECT. THE UPDATING OF SUCH DRAWINGS AND FIELD NOTES SHALL BE DONE FREQUENTLY. NOT LESS THAN</li> </ul>	WITH THE COUNTY UTILITY S OF THE PROJECT SHALL BE R 8. ALL VALVES 12" DIAMETER O AND INSTALLED IN COMPLIAN 9. UPON COMPLETION ONE VALV WATER FEATURES OR FIXTUR AS REQUIRED IN THE UTILITY NEW MEXICO LICENSED SURV 10. ALL FIRE HYDRANTS SHALL B SHALL BE INSTALLED TO ALLO ON THE ITAIN AT E DURING ONCE EVERY 12. LOCATE WIRES SHALL BE INS
F	<ul> <li>TWO WEEKS PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, CONTRACTOR SHALL SUBMIT TO THE OPR COMPLETE RECORD DRAWINGS, S ANY REVISED CRITICAL X,Y, AND Z DATA FOR PIPE INVERTS, MANHOLE RIMS, VALVE BOXES, SERVICE CONNECTIONS ETC. THESE DATA SHA STAMPED BY A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR, AND SUBMITTED TO THE COUNTY PROJECT MANAGER OR OPR IN PRELIMINARY FORM FOR REVIEW AND APPROVAL. ANY REVISIONS NECESSARY SHALL BE RE-SUBMITTED IN THE FINAL PROJECT CLOSEOUT SUBMITTAL PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. FINAL AS-BUILTS SHALL BE RE-SUBMITTED ON 24X36 AND IN PDF FORMAT.</li> <li>IF EXISTING UTILITIES HAVE BEEN SHOWN ON THESE DRAWINGS THEY ARE FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SPOT-LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BY THE APPROPRIATE UTILITY COMPANY. CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL AT (800)321-2537, TO COORDINATE SPOT LOCATION OF UNDERGROUND UTILITIES NO LESS THAN 2 DAYS PRIOR TO INITIATING ANY WORK.</li> <li>FOR ALL CONCRETE USED, THE DESIGN COMPRESSIVE STRENGTH AT 7 DAYS 1,500 PSI MINIMUM, AND 4,000 PSI AT 28 DAYS. THE CONCRUS SHALL BE A 6 BAG MIX AND MAXIMUM 3/4 INCH AGGREGATE SIZE. AIR ENTRAINMENT SHALL BE BETWEEN 4 AND 7 PERCENT.</li> <li>THREE (3) CONCRETE CYLINDER SAMPLES SHALL BE TAKEN FOR EVERY 50 CUBIC YARDS OF CONCRETE INSTALLED, OR A MINIMUM OF ON SAMPLE PER DAY, WHICHEVER IS GREATER. CONCRETE CYLINDERS SHALL BE TEST-BROKEN AT 7 DAY INTERVALS. TEST RESULTS SHALL BE SUBMITTED DIRECTLY TO THE OPR, AND TO THE COUNTY IN THE FINAL PROJECT CLOSEOUT SUBMITTAL, PRIOR TO FINAL ACCEPTANCE O THE PROJECT.</li> <li>NOT LESS THAN 5 DAYS PRIOR TO INITIATING ANY WORK, THE CONTRACTOR SHALL SUBMIT A DUST SUPPRESSION AND EROSION CONTR PLAN FOR THE PROJECT.</li> <li>NOT LESS THAN 5 DAYS PRIOR TO INITIATING ANY WORK, THE CONTRACTOR SHALL SUBMIT A DUST SUPPRESSION AND EROSION CONTR PLAN FOR THE PROJECT MANAGER AND OR OPR'S APPROVAL. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN SUCH A MANNER TH WILL HAVE NO ADVERSE EFFE</li></ul>	ALL BE SOLID STRAND INSULATED CC DEPARTMENT'S CONSTRUCTIO 13. BLUE CARSONITE MARKERS V THAT ARE NOT IN ROADWAY SANITARY SEWER LINE CONST 1. ALL SANITARY SEWER LINE IN CONSTRUCTION (NMAPWA), 2 REQUIREMENTS, UNLESS OTH 2. PUBLIC SANITARY SEWER LIN. OTHERWISE SHOWN ON THES TYPE, OR APPROVED EQUIVAL F 3. SANITARY SEWER MANHOLES 4. CONTRACTOR SHALL BE SOLE LINES, PRIOR TO PAVING OF
E	<ol> <li>14. CLEARING SHALL BE KEPT TO A MINIMUM, AND STABILIZATION OF BARE SURFACES SHALL BEGIN PROMPTLY AFTER COMPLETION OF CONSTRUCTION ACTIVITIES, AND IN COMPLIANCE WITH EPA REQUIREMENTS IN THE PROJECT'S SWPPP.</li> <li>15. CONTRACTOR SHALL CONFINE ALL CONSTRUCTION OPERATIONS TO THE LIMITS OF THE PROJECT DEFINED IN THESE DRAWINGS, AND IN NO WAY ENCROACH ONTO ADJACENT PROPERTIES, UNLESS LEGAL EASEMENTS ARE PROVIDED. CONTRACTOR SHALL BE HELD SOLELY RESPONSIBLE FOR ANY AGREEMENTS NEEDED, OR DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO PUBLIC OR PRIVATE PROPERTY, INCLUDING ROADS AND UTILITY TRENCHES SHALL NOT BE PERMITTED, UNLESS IT IS DETERMINED, TO THE SATISFACTION OF THE DESIGN ENGINEER, THAT THE SUBSOIL IS NOT SUITABLE FOR PIPE BEDDING AND MUST BE REPLACED WITH IMPORTED FILL.</li> </ol>	CONTRACTOR SHALL CORRECT LINES AND MANHOLES SHALL THE COUNTY FOR REVIEW PF 5. LOW PRESSURE SEWER LINES REPORT SHALL BE SUBMITTED 6. UPON COMPLETION, ONE MA PERMANENT FEATURES OR FI PROJECT. AS PART OF THE FI ALIGNMENT OF THE SANITAR MEXICO LICENSED SURVEYOR. 7. GREEN CARSONITE MARKERS Y THAT ARE NOT IN A ROADW. 8. WHENEVER SHOWN, LOW PR COVER. HIGHER PRESSURE LIN
D	<ul> <li>TEST. BASECOURSE SHALL MEET GRADATION REQUIREMENTS SPECIFIED IN TABLE 421 CLASS B, NMSHTD, "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".</li> <li>20. CONTRACTOR SHALL SUBMIT ASTM OR AASHTO CERTIFICATES OF MATERIALS' COMPLIANCE TO THE OPR, BUT NO LESS THAN 5 DAYS PRI INITIATING ANY WORK INVOLVING SUCH MATERIALS. OPR SHALL SUBMIT THESE MATERIAL CERTIFICATES TO THE COUNTY IN THE FINAL F CLOSEOUT SUBMITTAL, PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.</li> <li>21. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS (MARKS) FROM DAMAGE DURING CONSTRUCTION. IF DURING THE EXECUTION OF THE PROJECT, THE CONTRACTOR'S ACTIVITIES DISTURB OR DESTR SUCH MARKS, A NEW MEXICO LICENSED SURVEYOR HIRED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, SHALL RE-ESTABLISH MARKS IN ACCORDANCE WITH THE STANDARDS AND PROCEDURES SET FORTH BY THE "GEODETIC MARK PRESERVATION GUIDEBOOK". FO MORE INFORMATION CONTACT NGS MARK PRESERVATION CENTER, NOAA (505) 768-3606.</li> <li>22. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING AND NEW STRUCTURES SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. ALL COSTS RELATED TO THIS ITEM SHALL BE INCIDENTAL TO THE WORK AND NO EXTRA PAYMENTS SHALL BE MADE TO THE CONTRACTOR.</li> <li>23. CONTRACTOR SHALL REPAIR ANY EXISTING STRUCTURE OR UTILITY CONDUIT, AND ITS UTILITY CORRIDOR/EASEMENT DAMAGED AS A RESULT OF THE EXECUTION OF THE PROJECT, AT NO ADDITIONAL COST TO SANTA FE COUNTY OR THE RESPECTIVE UTILITY. EXISTING RO</li> </ul>	BE VISIBLE IN ALL MANHOLES TO PAVING. THE LOCATE WIF SHALL FOLLOW THE SPECIFIC SHALL FOLLOW THE SPECIFIC 11. ALL MANHOLES AND FLUSHIN UNLESS OTHERWISE INDICATE OY 12. A MINIMUM OF ONE FOOT CL THE THE BOTTOM OF ANY STORM 13. GRINDER PUMPS FOR LOW P AND SHALL BE PRE-APPROVE E 14. ALL SANITARY SEWER LINES BURIED UNDER A MINIMUM 4 15. EXISTING SANITARY SEWER L AFTER THE SERVICES HAVE B
С	<ul> <li>ACCESS FOR ADJACENT PROPERTIES SHALL BE MAINTAINED UNDER ALL TYPICAL WEATHER CONDITIONS.</li> <li>24. ALL AREAS DISTURBED BY THE CONSTRUCTION ACTIVITIES OF THIS PROJECT SHALL BE RESTORED, RE-GRADED, PER THE RE-VEGETATION PLAN, OR IN A MANNER ACCEPTABLE TO SANTA FE COUNTY, AND IN COMPLIANCE WITH PROJECT'S SWPPP.</li> <li>25. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR EROSION CONTROL INCIDENTAL TO THE CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL SUBMIT TO SANTA FE COUNTY A STORM WATER POLLUTION PREVENTION PLAN (SWPP) THAT WILL ADDRESS ALL CONSTRUCTION PHASES. THIS SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL CONSTRUCTION PERMIT (2012 GCP) REQUIREMENTS FOR ALL CONSTRUCTION ACTIVITIES. IN ADDITION, THE CONTRACTOR SHALL PROCURE A STORM WATER POLLUTION PERMIT FROM USEPA, A MINIMUM OF 30 DAYS PRIOR TO INITIATING ANY S</li> <li>26. CONTRACTOR SHALL PROVIDE AN AREA TO STORE CONSTRUCTION DEBRIS WHERE IT WILL NOT BE A NUISANCE TO THE SURROUNDING NEIGHBORHOOD. ALL DEBRIS SHALL BE CONTAINED IN SUCH A MANNER THAT WILL PREVENT SCATTERING, AND BE IN COMPLIANCE WITH THE PROJECT'S SWPPP. ALL DEBRIS, INCLUDING TREES AND UNDERGROWTH SHALL BE DISPOSED OF PROPERLY WITHIN AN APPROVED LANDFILL, AND REMOVED FROM THE SITE PRIOR TO FINAL INSPECTION.</li> <li>27. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION OF THE WORK MATERIALS AND EQUIPMENT PRIOR TO AND AFTER THEIR INSTALLATION AS APPLICABLE, UNTIL THE PROJECT'S FINAL ACCEPTANCE BY SANTA FE COUNTY.</li> <li>28. THE MAXIMUM DEVIATION OF THE TOP OF SURFACE AT THE CURB AND GUTTER SHALL NOT EXCEED 1/8 INCH PER 10 FEET, NOR SHALL THE INSIDE FACE DEVIATE MORE THAN 1/4 INCH PER 10 FEET FROM A STRAIGHT LINE .PRIOR OR</li> </ul>	BE THE SOLE RESPONSIBILITY
в	<ul> <li>DURING THE COUNTY'S FINAL INSPECTION, ALL CURB AND GUTTER SHALL BE TESTED FOR POSITIVE WATER FLOW. ANY AREAS THAT FAIL THIS TEST SHALL BE REJECTED.</li> <li>29. UTILITY LINES SHALL BE BORED UNDER ALL EXISTING STREETS, CONCRETE FEATURES, AND A MINIMUM 12-INCH SEPARATION SHALL BE MAINTAINED BETWEEN LINES. ALL CURB, GUTTER, SIDEWALK AND ASPHALT DAMAGE IN COUNTY, STATE OR PRIVATE RIGHT OF WAY RESULTING FROM ANY CONSTRUCTION ACTIVITY SHALL BE REPAIRED BEFORE FINAL INSPECTION AT THE CONTRACTORS EXPENSE.</li> <li>30. BEFORE PAVEMENT IS INSTALLED THE SANITARY SEWER TV INSPECTION SHALL OCCUR. A COMPLETION LETTER FROM EACH UTILITY COMPANY SHALL BE SUBMITTED TO THE GROWTH MANAGEMENT DEPARTMENT PRIOR TO PAVING ACTIVITIES.</li> <li>31. NO ALTERATION OR MODIFICATION TO ANY DRAINAGE WAY OR ARROYO SHALL BE PERMITTED WITHOUT FIRST OBTAINING A WRITTEN APPROVAL FROM THE COUNTY FLOOD PLAN ADMINISTRATOR.</li> <li>32. THE DESIGN ENGINEER AND SANTA FE COUNTY WAIVE ANY AND ALL RESPONSIBILITY AND IS NOT LIABLE FOR PROBLEMS THAT MAY ARISE FROM THE CONTRACTOR'S FAILURE TO FOLLOW THESE DRAWINGS, SPECIFICATIONS, THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS ARISING FROM FAILURE TO OBTAIN AND/OR FOLLOW THE ENGINEER'S WRITTEN RESPONSE TO REQUESTS FOR INFORMATION OR CLARIFICATION WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS.</li> </ul>	RECLAIMED WATER/EFFLUENT 1. WHERE INSTALLED ALL RECLA WORKS CONSTRUCTION, THE OF THE PIPE MANUFACTURER 2. ALL PIPES, VALVES, AND FITT JOINTS. WHERE NECESSARY, I THESE DRAWINGS. 3. ALL VALVES SHALL ALSO HAY THERMO-FUSED JOINTS, RINKI 4. FLUSHING HYDRANTS AND FIL BARE A SIGN PROMINENTLY F PARA BEBER".
A	<ul> <li>33. ALL ACCESS AND EXCAVATION PERMITS ARE TO BE OBTAINED FROM THE SANTA FE COUNTY PUBLIC WORKS DEPARTMENT. SUCH PERMITS SHALL BE REQUESTED FOR ALL CURB CUTS OR DRIVEWAYS TO BE BUILT IN COUNTY RIGHT OF WAY. DRIVEWAYS SHALL NOT BE INSTALLED PRIOR TO COUNTY'S APPROVAL OF SITE SPECIFIC PLANS AND THE CONTRACTOR HAS PROCURED A PERMIT FROM THE COUNTY PUBLIC WORKS DEPARTMENT.</li> <li><u>WATERLINE CONSTRUCTION</u></li> <li>1. ALL WATER LINE AND FITTING MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH THE AMERICAN WATERWORKS ASSOCIATION (AWWA) STANDARDS, THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, (MAPWA) 2006 EDITION, OR SUBSEQUENT REVISIONS, AND THE SANTA FE COUNTY WATER UTILITY CONSTRUCTION STANDARD AND SPECIFICATIONS MANUAL, UNLESS OTHERWISE INDICATED ON THESE DRAWINGS. WHEN CONFLICT ARISES AMONG THESE, THE LATTER SHALL PREVAIL.</li> <li>2. LOCATION OF LINES AND FITTINGS SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THESE DRAWINGS.</li> <li>THIS FILE IS AVAILABLE ELECTRONICALLY UPON REQUEST</li> </ul>	<ol> <li>SERVICE CONNECTIONS SHALL CONNECTIONS ON PVC PIPE S BE METERED. METERS SHALL</li> <li>RECLAIMED WATER/EFFLUENT</li> <li>ALL RECLAIMED WATER LINE. THIS TRENCH, BURIED UNDER</li> <li>LOCATE WIRES SHALL BE INS ACCESS STRUCTURES. THIS W 10 GAUGE, SOLID STRAND INS UTILITIES CONSTRUCTION STA</li> </ol>

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ICATED ON THESE DRAWINGS, PIPELINES AND ALL APPURTENANT FITTINGS SHALL BE DUCTILE IRON, PVC C-900, WITH CLASS-D IECHANICAL OR MEGALUG (R) JOINTS, OR THERMAL FUSION JOINING RESPECTIVELY (HDPE). EXCAVATION SHALL BE PROPERLY MADE TO PE'S BELL ENDS AS NECESSARY. WATERLINES SHALL BE 6" DIAMETER OR LARGER. L BE INSTALLED IN THEIR OWN TRENCH, WITH NO OTHER UTILITIES IN THE TRENCH, BURIED UNDER A MINIMUM 48 INCHES

ER LINES SHALL ALWAYS BE ABOVE SEWER LINES, AND A MINIMUM 18-INCH CLEARANCE SHALL BE ALLOWED BETWEEN THE BOTTOM ND THE TOP OF ANY SANITARY SEWER, UNLESS SPECIAL CROSSING PROVISIONS ARE SHOWN ON THESE DRAWINGS.

EPARATION BETWEEN WATER LINES AND ANY SANITARY SEWER LINE SHALL BE MINIMUM 10 FEET, AND SEPARATE TRENCHES IN ALL CASES.

SOLELY RESPONSIBLE FOR DISINFECTION AND PRESSURE TESTING OF ALL NEW WATER LINES, IN ACCORDANCE WITH AWWA TILITY PERSONNEL SHALL BE PRESENT DURING SUCH TESTING, AND AN INSPECTION REPORT SHALL BE SUBMITTED BY THE OUNTY UTILITIES PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING LITY STAFF FOR THEIR PRESENCE DURING FIELD TESTING OF LINES. BACTERIA TEST RESULTS OVER 30 DAYS OLD, BY THE COMPLETION BE RETESTED AT NO ADDITIONAL EXPENSE TO THE OWNER.

TER OR SMALLER SHALL BE FULL-PORT GATE TYPE, RESILIENT SEATING, MECHANICAL OR MEGALUG (R) JOINTS, PIPE, IPLIANCE WITH THE COUNTY WATER SYSTEM DETAILS.

VALVE SHALL BE TIED TO ONE OR MORE OF THE SANTA FE COUNTY'S PERMANENT SURVEY MONUMENTS, (OR OTHER VISIBLE IXTURES) SUCH AS FIRE HYDRANTS AND WATER METERS WITH DISTANCES BETWEEN ALL FITTINGS AND APPURTENANCES PROVIDED TILITY DEPARTMENTS CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL. THE WORK SHALL BE PERFORMED BE A REGISTERED SURVEYOR, OR ENGINEER WITH INFORMATION PROVIDED BY THE CONTRACTOR.

ALL BE SUPPLIED WITH NFP CONNECTORS, AND NUMBERED (NUMBER SUPPLIED BY THE COUNTY FIRE DEPARTMENT). HYDRANTS ALLOW A MINIMUM HORIZONTAL CLEARANCE OF 3-FEET ALL AROUND THEM.

CTIONS AND METERS SHALL BE 1-INCH MINIMUM DIAMETER FOR LOTS THAT WILL BE THE SITE INGS EQUIPPED WITH FIRE SUPPRESSION SYSTEMS. OTHERWISE, CONNECTIONS AND METERS SHALL BE

METER. METER SETTERS SHALL BE PER STANDARD REQUIRED IN SANTA FE COUNTY UTILITY DEPARTMENT'S

RDS AND SPECIFICATIONS MANUAL. METERS SHALL BE NEPTUNE MACH10 RADIO TRANSMITTER. E INSTALLED ON ALL WATER LINES. THE LOCATE WIRE MUST BE VISIBLE IN ALL VALVE VAULTS, MANHOLES OR OTHER ACCESS BE VERIFIED DURING THE PRELIMINARY INSPECTION PRIOR TO PAVING. THE LOCATE WIRE SHALL BE A CONTINUOUS, 10 GAUGE, ED COPPER WIRE. SPLICES OF THE LOCATE WIRE SHALL FOLLOW THE SPECIFICATIONS IN THE SANTA FE COUNTY UTILITY

UCTION STANDARDS AND SPECIFICATIONS MANUAL. ERS WITH SFCU I.D. STICKERS ARE REQUIRED ON ALL VALVES AND APPURTENANCES, AND EVERY 200 FEET ALONG PIPELINES WAY.

CONSTRUCTION

INE INSTALLATION SHALL BE IN COMPLIANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS VA), 2006 EDITION, SUBSEQUENT REVISIONS AND THE SANTA FE COUNTY WATER UTILITIES STANDARD DETAILS AND OTHERWISE SPECIFIED ON THESE DRAWINGS.

R LINES SHALL BE A MINIMUM 8-INCH DIAMETER, PVC SDR 26. OR GRAY HDPE DR 11, WITH CLASS D BEDDING OR BETTER, UNLESS THESE DRAWINGS. SEWER SERVICE CONNECTIONS SHALL BE OF CAST IRON TAPPING SADDLE WITH STAINLESS STEEL TENSION STRAP UIVALENT BY ENGINEER.

HOLES SHALL HAVE STANDARD SF COUNTY COVERS AND RINGS.

SOLELY RESPONSIBLE FOR THE PRESSURE TESTING IN ACCORDANCE WITH NMAPWA STANDARDS, AND TELEVISION INSPECTION OF ALL SEWER G OF THE ROADS UNDER WHICH SEWER LINES HAVE BEEN INSTALLED. COUNTY UTILITY PERSONNEL SHALL BE PRESENT DURING SUCH TESTING PORT SHALL BE SUBMITTED BY THE PROJECT ENGINEER TO THE PROJECT MANAGER AND COUNTY WATER UTILITIES DEPARTMENT PRIOR TO THE PROJECT. SANTA FE COUNTY SHALL REVIEW THE VIDEOS AND TESTS IN DETAIL TO IDENTIFY ANY DEFICIENCIES AND THE RRECT THEM AS NECESSARY. ALL VIDEO AND TESTS SHALL BE PREPARED IN A RATIONAL SEQUENCE AND PROPERLY LABELED SHALL BE IDENTIFIED BY THE NAMES AND STATIONING GIVEN IN THE DESIGN DRAWINGS. VIDEOS SHALL THEN BE TURNED INTO EW PRIOR TO ACCEPTANCE OF THE SEWER LINES, AND PRIOR TO PAVING.

LINES SHALL NOT LOSE ANY MORE THAN 5 PSI WHEN PRESSURIZED TO 120 PSI FOR A MINIMUM OF ONE HOUR, AN INSPECTION MITTED TO THE OWNERS PROJECT REPRESENTATIVE (OPR) PRIOR TO PAVING OF THE ROADS UNDER WHICH THESE LINES HAVE BEEN INSTALLED. NE MANHOLE SHALL BE TIED TO ONE OR MORE OF THE SANTA FE COUNTY'S PERMANENT SURVEY MONUMENTS (OR OTHER VISIBLE OR FIXTURES) AND SUBMITTED IN A TABLE FORMAT WITH THE ASBUILT RECORD DRAWINGS PRIOR TO FINAL ACCEPTANCE OF THE 'HE FINAL RECORD DRAWINGS, SHOW CORRECTED ASBUILT BEARING AND DISTANCES BETWEEN MANHOLES ALONG THE HORIZONTAL NITARY SEWER INCLUDING CORRECTED RIM AND INVERT ELEVATIONS AND PIPE SLOPES. THE WORK SHALL BE PERFORMED BY A NEW

KERS WITH SFCU I.D. STICKERS ARE REQUIRED ON ALL MANHOLES AND APPURTENANCES, AND EVERY 200 FEET ALONG PIPELINES

W PRESSURE SERVICE SANITARY SEWER (LPSAS) LINES SHALL BE PVC SDR 21 PVC SDR 11 HDPE, INSTALLED UNDER A MINIMUM 48-INCH JRE LINES OR FORCE MAINS SHALL BE PVC C-900 CLASS 100 WPR, UNLESS OTHERWISE SPECIFIED IN THESE DRAWINGS. SHOW A LOW PRESSURE LINE AT A FLUSHING STATION, CONTRACTOR SHALL REFER

SHING STATION DETAIL.

E INSTALLED FOR ALL SANITARY SEWER LINES (GRAVITY AND LOW PRESSURE). THE LOCATE WIRE MUST HOLES OR ACCESS STRUCTURE. THIS WILL BE VÈRIFIED DURING THE PRELIMINÁRY MANHOLE INSPECTION PRIOR E WIRE SHALL BE A CONTINUOUS, 10 GAUGE, SOLID STRAND INSULATED COPPER WIRE. SPLICES OF THE LOCATE WIRE ECIFICATIONS IN THE SANTA FE COUNTY UTILITY DEPARTMENTS CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL.

JSHING STATIONS SHALL BE MADE A MINIMUM OF 4-FOOT DIAMETER PRE-CAST CONCRETE CYLINDER PIPE SEGMENTS, ICATED IN THESE DRAWINGS. MANHOLE BOTTOM AND TOP SLABS MAY BE EITHER PRE-CAST OR CAST IN PLACE CONCRETE. OT CLEARANCE SHALL BE ALLOWED BETWEEN THE TOP OF A SANITARY SEWER LINE AND THE

STORM SEWER PIPE OR STRUCTURE. DW PRESSURE SEWER SERVICES SHALL BE THE RESPONSIBILITY OF THE INDIVIDUAL LOT OWNER/USER

ROVED BY SFCU IN WRITING LINES SHALL BE INSTALLED IN THEIR OWN TRENCH, WITH NO OTHER UTILITIES TO SHARE THIS TRENCH,

NUM 48 INCHES OF COMPACTED BACKFILL.

NER LINES MUST BE VIDEO INSPECTED PRIOR TO A NEW SERVICE CONNECTION BEING PLACED AS WELL AS RE-VIDEOED AVE BEEN COMPLETED. THIS IS TO ENSURE THAT THE EXISTING SANITARY SEWER LINE HAS NOT BEEN DAMAGED AND THE LED CORRECTLY.

UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR SPECIFICALLY DELETED BY THE ENGINEER. IN WRITING. LEAKAGE. PLEASE REFER TO SPECIFICATIONS (SECTION 901.7, NMAPWA).

E SANITARY SEWER SHALL BE ALLOWED UNTIL WRITTEN NOTIFICATION BY THE COUNTY WATER UTILITIES EPTABLE.

WILL BE RESPONSIBLE FOR MAINTAINING REPAIRING AND LOCATING THE SEWER SYSTEM UNTIL SANTA FE COUNTY UTILITIES ACCEPTANCE TIONS AND MAINTENANCE. DAMAGE RESULTING FROM A STOPPAGE IN ANY GRAVITY AND OR PRESSURE SEWER SYSTEM WILL BILITY OF THE OWNER/DEVELOPER UNTIL A FINAL ACCEPTANCE LETTER FOR PERMANENT OPERATIONS AND MAINTENANCE ANTA FE COUNTY UTILITY.

NOTES ARE CONTAINED IN THE STANDARD COUNTY DETAIL SHEETS FOR SANITARY SEWER CONSTRUCTION.

NOT BE PLACED UNTIL A FINAL ACCEPTANCE LETTER HAS BEEN ISSUED FOR ALL SANITARY SEWER NEEDED IN ORDER FOR THIS TO THE SANITARY SEWER SYSTEM.

ECK VALVES WILL BE REQUIRED FOR ALL SEWER SERVICE LATERAL CONNECTIONS TO SEWER MAINS 12" OR GREATER IN DIAMETER, DR RESIDENCE IS LOWER THAN THE NEAREST MANHOLES OR ROAD

GATES SHALL BE PROVIDED AT ALL FENCES, WALLS OR OTHER OBSTRUCTIONS THAT CROSS A PUBLIC SEWER OR WATER LINE. OCATED WITHIN THE SANITARY SEWER OR UTILITY EASEMENT.

UENT IRRIGATION CONSTRUCTION

RECLAIMED WATER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATION FOR PUBLIC THE APPLICABLE AWWA STANDARDS, APPLICABLE REQUIREMENTS OF COUNTY WATER UTILITIES OR THE RECOMMENDATION URER. SHOULD THERE BE ANY CONFLICT AMONG THESE DOCUMENTS, THE LATTER SHALL PREVAIL.

) FITTINGS SHALL BE COLOR-CODED PURPLE (ONE STRIPE) PVC SDR 18 OR HDPE DR 7.3 WITH CHEMICALLY-FUSED ARY, FLANGED OR MECHANICAL JOINTS, AND OR THRUST BLOCKS SHALL BE INSTALLED IN ACCORDANCE WITH

SO HAVE COLOR-CODED PURPLE HANDLES AND BE FULL-PORT BALL TYPE HDPE WITH RINKER POLY-PIPE OAE. CAST IRON VALVE BOX LIDS SHALL BE ENGRAVED "NON-POTABLE"

ND FIRE HYDRANTS OR HOSE BIBS CONNECTED TO RECLAIMED-WATER LINES SHALL ALSO BE PAINTED PURPLE AND NTLY PLACED NEXT TO THEM WITH THE FOLLOWING TEXT: "NON POTABLE WATER DO NOT DRINK/PELIGRO - AGUA NO ES

SHALL BE 1 INCH, CONSISTENTLY COLOR CODED. THESE SHALL BE THERMO-FUSED WHEN INSTALLED ONTO HDPE PIPES. SERVICE PIPE SHALL BE MADE WITH THE APPROPRIATE TEES. REDUCERS. VALVES. VALVE BOXES ETC. INDIVIDUAL SERVICE CONNECTIONS SHALL HALL BE NEPTUNE MACH10 RADIO TRANSMITTER, OR CURRENT MAKE & MODEL REQUIRED BY SFC UTILITY.

UENT IRRIGATION LINES SHALL NEVER BE CONNECTED TO THE POTABLE DOMESTIC SUPPLY SYSTEM. LINES SHALL BE INSTALLED IN THEIR OWN TRENCH, WITH NO OTHER UTILITIES SHARING

NDER MINIMUM 48 INCHES OF COMPACTED BACKFILL.

5

BE INSTALLED FOR ALL RECLAIMED WATER LINES. THE LOCATE WIRE MUST BE VISIBLE IN ALL MANHOLES OR HIS WILL BE VERIFIED DURING THE PRELIMINARY INSPECTION PRIOR TO PAVING. THE LOCATE WIRE SHALL BE A CONTINUOUS, ND INSULATED COPPER WIRE. SPLICES OF THE LOCATE WIRE SHALL FOLLOW THE SPECIFICATIONS IN THE SANTA FE COUNTY WATER IN STANDARDS AND SPECIFICATIONS MANUAL.

9. PURPLE CARSONITE MARKERS WITH I.D. STICKERS ARE REQUIRED ON ALL VALVES AND APPURTENANCES, AND EVERY 200 FEET ALONG PIPELINES THAT ARE NOT IN ROADWAY.

DRY UTILITIES

- 1. SHADING AND BEDDING MATERIAL SHALL BE TYPE IV. CLASS 1 FOR DIRECT BURY CABLE, AND TYPE IV. CLASS 2 FOR CABLE IN CONDUIT. TYPE 111 MATERIAL SHALL BE CONSIDERED SUITABLE FOR EITHER TYPE OF INSTALLATION.
- 2. IF TRENCH-RUN MATERIAL MEETS BACKFILL MATERIAL REQUIREMENTS, 3-INCH BEDDING MAY BE OMITTED, PROVIDED
- THAT THE TRENCH BOTTOM IS SMOOTH, FLAT, AND WITHOUT SURFACE IRREGULARITIES. 3. SEPARATION BETWEEN JACKETED PRIMARY AND COMMUNICATION CABLES SHALL BE AT LEAST 12 INCHES.
- 4. WARNING TAPE SHALL BE PLACED A MINIMUM 12 INCHES ABOVE THE UPPER LEVEL OF UTILITIES AT THE CENTER OF THE TRENCH.
- 5. DRY UTILITY REQUIREMENTS SPECIFIED BY THE RESPECTIVE UTILITY SHALL BE FOLLOWED.
- ENVIRONMENTAL EROSION AND SEDIMENT CONTROL REQUIREMENTS 1. THE CONTRACTOR SHALL SUBMIT TO THE PROJECT MANAGER AND OR OPR A SWPP PLAN
- THAT COMPLIES WITH THE 2012 CONSTRUCTION GENERAL PERMIT AND SUBSEQUENT REVISIONS. 2. AT A MINIMUM, ALL AREAS DENUDED AND/OR DISTURBED BY CONSTRUCTION TRAFFIC SHALL BE SPRAYED WITH WATER ON A DAILY BASIS TO CONTROL DUST GENERATION. ADDITIONAL WATER SHALL BE APPLIED ON WINDY DAYS AS NEEDED OR AS REQUIRED BY SANTA FE COUNTY.
- 3. AS SOON AS FINAL GRADES ARE ACHIEVED, AND PROPER CLIMATIC CONDITIONS PREVAIL, NATIVE GRASS SEEDS SHALL BE APPLIED. CONTRACTOR SHALL PERFORM THIS ACTIVITY IN CONFORMANCE WITH THE APPROVED TERRAIN MANAGEMENT PLAN FOR SEED MIX DETAILS, AS WELL AS APPLICATION AND CARE METHODOLOGY.
- 4. GRAVEL BAGS AND OTHER EPA APPROVED DEVICES SHALL BE INSTALLED AROUND DROP INLET GRATES IMMEDIATELY AFTER THEIR INSTALLATION TO PREVENT SEDIMENT FROM ENTERING THE STORM WATER SYSTEM. SEDIMENT DEPOSITED AROUND GRAVEL BAGS AND OTHER EPA APPROVED DEVICES SHALL BE SWEPT AND REMOVED IMMEDIATELY UPON DEPOSITION. 5. SILT FENCES OR WADDLES MEETING EPA REQUIREMENTS FOR SEDIMENT CONTROL SHALL BE INSTALLED AT ALL SLOPES IN
- STRICT ACCORDANCE WITH SWPP PLAN. 6. CONTRACTOR SHALL DISPOSE OF ITEMS DESIGNATED FOR REMOVAL WITHOUT SALVAGE, WHICH ARE UNSUITABLE FOR USE AS CONSTRUCTION MATERIALS IN THIS PROJECT. DISPOSAL SHALL BE PERFORMED IN AN ENVIRONMENTALLY SOUND SITE, SECURED BY
- MANAGER AND OR OPR, IN WRITING, OF ANY RELEVANT DETAILS IN CONNECTION WITH THE DISPOSAL OPERATIONS. 7. BORROW MATERIAL, CONSTRUCTION WASTE, VEGETATIVE DEBRIS, ETC SHALL NOT BE PLACED IN WETLAND AREAS ARROYOS, OR ANY AREAS
- IN THE SWPPP. 8. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP SPILLS ASSOCIATED WITH THE PROJECT'S CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL REPORT AND PROPERLY RESPOND TO SPILLS OF HAZARDOUS MATERIALS SUCH AS GASOLINE, DIESEL, MOTOR OIL, SOLVENTS, TOXIC AND CORROSIVE SUBSTANCES, AND OTHER MATERIALS WHICH MAY REPRESENT A THREAT TO THE HEALTH AND WELFARE OF HIS WORKERS, THE GENERAL PUBLIC, OR THE ENVIRONMENT, CONTRACTOR SHALL REPORT EVIDENCE OF PAST SPILLS ENCOUNTERED DURING CONSTRUCTION, OR PRESENT SPILLS NOT ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT. REPORTS SHALL BE MADE IMMEDIATELY TO THE THE PROJECT MANAGER AND OR OPR AND THE APPROPRIATE STATE AGENCY RESPONSIBLE FOR THE EMERGENCY RESPONSE. CLEAN UP OF ANY UNREPORTED SPILLS THAT MAY HAVE OCCURRED DURING THE CONSTRUCTION OF THIS PROJECT, IDENTIFIED
- AFTERWARDS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

9. ALL WORK PERFORMED IN THE VICINITY OF EXISTING STREAMS, WATER IMPOUNDMENTS, WETLANDS OR IRRIGATION WATER SOURCES SHALL BE PERFORMED IN SUCH A MANNER AS TO MINIMIZE VEGETATION DAMAGE OR REMOVAL, AS WELL AS ANY SOIL EROSION. CONSTRUCTION EQUIPMENT'S CROSSINGS OF EXISTING STREAMS, WHETHER THE STREAMS ARE EPHEMERAL OR PERENNIAL SHALL BE MINIMIZED, AND IN COMPLIANCE WITH THE CLEAN WATER ACT (CWA), USACE 404, OR OTHER FEDERAL PERMIT REQUIREMENTS. 10. ALL WORK PERFORMED IN A FLOOD PLAIN SHALL COMPLY WITH THE SANTA FE COUNTY FLOOD PLAIN ORDINANCE. 11. RE-FUELING OPERATIONS AND CONCRETE DUMPING IN THE VICINITY OF ANY BODY OF WATER SHALL BE STRICTLY

- PROHIBITED.
- TERRAIN MANAGEMENT AND RE-VEGETATION WORK REQUIREMENTS 1. ALL AREAS DISTURBED BY THE CONSTRUCTION ACTIVITIES OF THIS PROJECT, INCLUDING ANY TEMPORARY ACCESS ROAD,
- SHALL BE RE-GRADED TO THEIR ORIGINAL CONTOURS, AND RE-SEEDED IN ACCORDANCE WITH THE FOLLOWING PLAN AFTER COMPLETION OF THE CONSTRUCTION OPERATIONS.
- THROUGH THE FIRST GROWING SEASON AFTER COMPLETION OF THIS PROJECT. IN THE EVENT THAT THE REVEGETATION PLAN CANNOT BE ACCOMPLISHED BEFORE SEPTEMBER 1 DUE TO CONSTRUCTION DELAYS, AND DISTURBED SURFACES MUST REMAIN EXPOSED AFTER THIS DATE, THE CONTRACTOR SHALL INSTALL TEMPORARY PROTECTION SUCH AS A COVER CROP OR A MULCH TO PREVENT SOIL EROSION, AT NO ADDITIONAL COST TO THE OWNER. A TEMPORARY CONSTRUCTION FENCE SHALL BE MAINTAINED AROUND THE DISTURBED AREA UNTIL THE NEW VEGETATION IS ESTABLISHED.
- WITH BROADCAST OR HYDRO SEEDING AND SHALL INCLUDE HAND-RAKING OR CHAIN-HARROWING TO COVER SEED TO A DEPTH OF 1/4-INCH TO 1/2-INCH. SLOPES EXCEEDING 3:1 SHALL BE TREATED WITH THE EROSIN BLANKET, MEETING NMDOT CLASS D SPECIFICATIONS AND IN COMPLIANCE WITH THE EPA'S (CONSTRUCTION GENERAL PERMIT) FOR FINAL STABILIZATION. ALL TOP SOIL WHICH MUST BE REMOVED OR DISTURBED DURING CONSTRUCTION SHALL BE SAVED AND STOCKPILED AT A LOCATION DESIGNATED BY THE OPR. ANY DISTURBED AREA TO BE SEEDED WHICH HAS LESS THAN 6 INCH TOTAL TOP SOIL DEPTH SHALL BE SUPPLEMENTED TO A 6 INCH DEPTH WITH THE STOCKPILED MATERIAL.
- 4. THE SEED BED SHALL BE PREPARED TO A MINIMUM 4-INCH DEPTH BY TILLING WITH A DISC, HARROW, OR CHISELING TOOLS. ALL COMPETITIVE VEGETATION SHALL BE UPROOTED DURING THIS PREPARATION. AND THE SOIL SHALL BE UNIFORMLY WORKED TO A SMOOTH, FIRM SURFACE FREE OF CLODS, STONES OR OTHER EXTRANEOUS MATERIALS 4 INCH OR LARGER THAT WOULD INTERFERE WITH SEEDING EQUIPMENT AND GERMINATION. SEED BED PREPARATION BY MECHANICAL MEANS WILL NOT BE REQUIRED ON SLOPES EXCEEDING 3:1 IF, IN THE OPINION OF THE PROJECT MANAGER AND OR OPR, SEED BED PREPARATION ON THESE SLOPES IS IMPRACTICAL OR UNSAFE, ALL TILLING SHALL BE PERFORMED ACROSS THE SLOPE WHEN PRACTICAL AND SHALL BE PERFORMED IN TWO DIRECTIONS WHENEVER ONE PASS IS INSUFFICIENT. IN THE OPR'S OPINION. TO ADEQUATELY BREAK UP THE SOIL. TILLING SHALL NOT BE PERMITTED WHEN THE WIND BLOWS AT MORE THAN 10 MPH CAUSING DUST GENERATION AND MOVEMENT IN TO ADJACENT AREAS. NO WORK SHALL BE PERFORMED WHEN THE SOIL'S MOISTURE CONTENT IS UNFAVORABLE, OR THE GROUND CONDITIONS ARE NOT SUITABLE FOR TILLING.
- 5. SEED SHALL BE UNIFORMLY APPLIED OVER THE AREA TO BE TREATED. THE CONTRACTOR'S EQUIPMENT SHALL NOT TRAVEL OVER THE SEEDED AREAS. IF RAIN OR OTHER NATURAL PHENOMENA, WHICH MAKE THE SOIL UNSUITABLE FOR SEEDING, THE CONTRACTOR SHALL RE-PREPARE THE SOIL AS DESCRIBED HEREBY AT NO ADDITIONAL COST TO THE OWNER. SEEDS SHALL BE DRILLED TO A MINIMUM OF 1/2-INCH, UNLESS OTHERWISE INDICATED ON THESE DRAWINGS. DIRECTION OF SEEDING SHALL BE ACROSS THE SLOPES AND ON THE CONTOUR WHENEVER POSSIBLE.
- 6. BROADCAST SEEDING SHALL ONLY BE PERFORMED IN SLOPES EXCEEDING 3:1 OR IN AREAS INACCESSIBLE TO THE SEED DRILL. BROADCAST SEEDING SHALL BE PERFORMED WITH A ROTARY SPREADER OR A SEEDER BOX WITH GEAR FEED MECHANISM IF DRILL SEEDING IS NOT PRACTICAL. RICE HULLS OR OTHER FILLERS SHALL BE USED TO PREVENT UNEVEN SEPARATION OF LIGHTER SEED. SEED BED SHALL BE LIGHTLY RAKED IMMEDIATELY FOLLOWING THE SEEDING OPERATION, TO PROVIDE 1/2-INCH SOIL COVER OVER THE SEED.
- 7. MULCH SHALL BE PLACED OVER ALL SEEDED AREAS. THE MULCH SHALL BE MADE OF STRAW OR HAY, AND APPLIED TO PRODUCE A DEPTH OF 1-1/2-INCH TO 2-INCH. STRAW OR HAY WITH NOXIOUS SEEDS OR PLANTS, ROTTED, BRITTLE, SHORT FIBERED, OR IMPROPERLY CURED IS NOT ACCEPTABLE.

8. SEED MIX AND SEEDING RATE ARE AS FOLLOWS: DRYLAND BLEND

SEED	PERCENTAGE OF SEED MIX
SIDE OATS GRAMA	20%
BLUE GRAMA	30%
LITTLE BLUESTEM	20%
INDIAN RICEGRASS	10%
SHEEP FESCUE	10%
STREAMBANK WHEATGRASS	4%
ALKALI SACATON	3%
GALLETA	3%
WILD FLOWER MIX	5% OF TOTAL SE

NOTE: POUNDS PER ACRE OF SEED MIXTURE: 15-20 LBS IF DRILLED; 20-25 LBS. IF BROADCAST, SEED SHALL BE CERTIFIED NOXIOUS WEED FREE. ROJECT NO: 23-600-156-00 ESIGNED BY SANTA FE COUNTY ION DRAWN BY: MAB WATER UTILITIES 424 NM 599, SANTA FE, NM 87507 HECKED BY: TCM DATE: BY: AUGUST 2024 PC PROJECT NAME: /05/2013 SHEET TITLE 25/2020 LMA SANTA FE COUNTY GENERAL NOTES GENERAL CONSTRUCTION **REVIEWED BY: LA** APPROVED BY: JOHN DUPUIS HEET NO: SHEET NO DATE: SCALE: NA **DRAWN BY: PCASAUS** 10

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THE CONTRACTOR IN CLOSE COORDINATION WITH THE APPROPRIATE REGULATORY AGENCIES. CONTRACTOR SHALL NOTIFY THE PROJECT

ENDANGERED SPECIÉS, OR HABITAT RESOURCES MAY BE AFFECTED. BORROW AREAS NOT CONTIGUOUS TO THE PROJECT SITE SHALL BE SHOWN

2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUCCESSFUL RECOVERY OF DISTURBED AREAS FOLLOWING RE-VEGETATION

3. AREAS WITH A SLOPE LESS THAN 4:1 SHALL BE TREATED WITH DRILL SEEDING, WHILE SLOPES EXCEEDING 4:1 SHALL BE TREATED

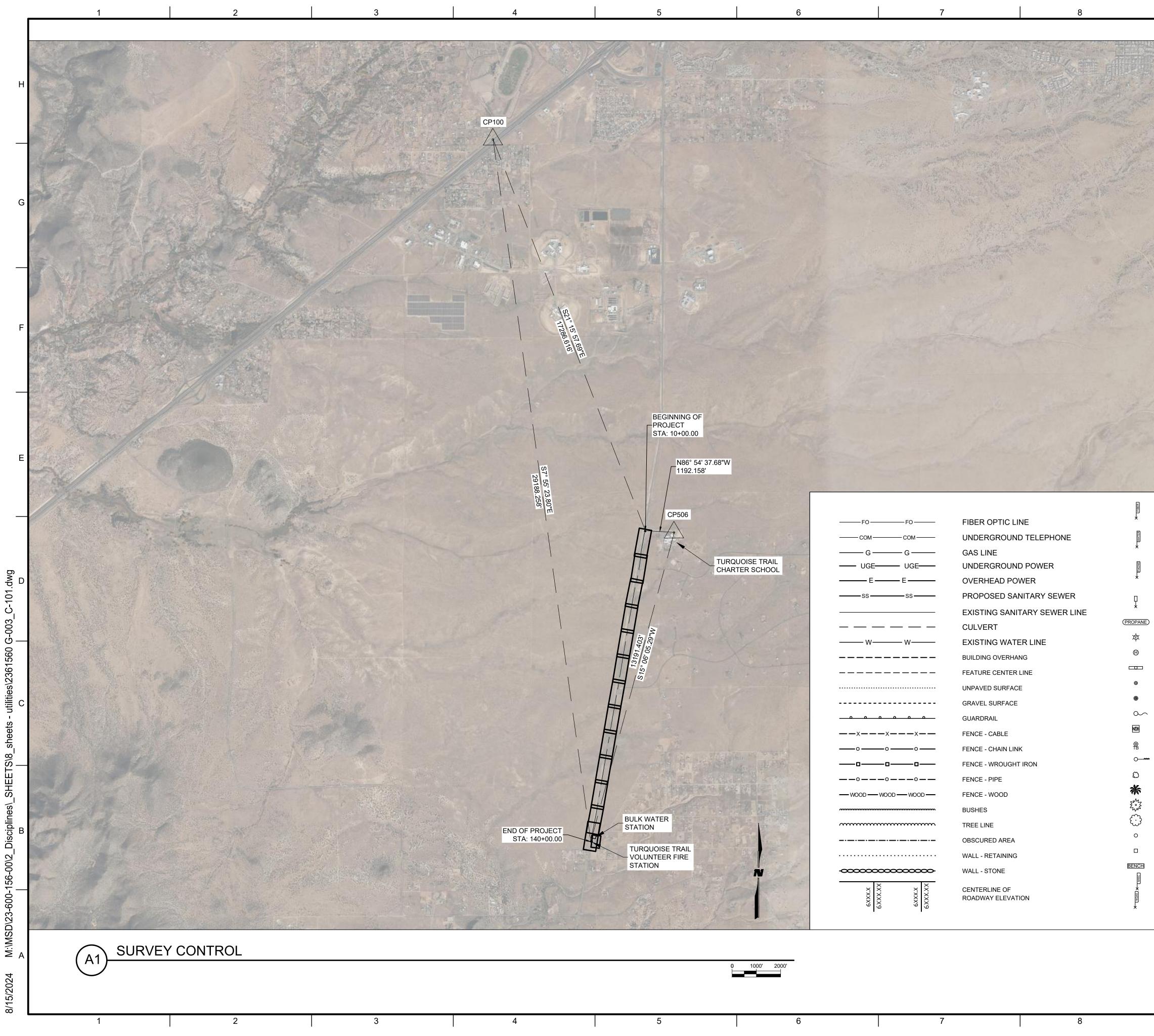
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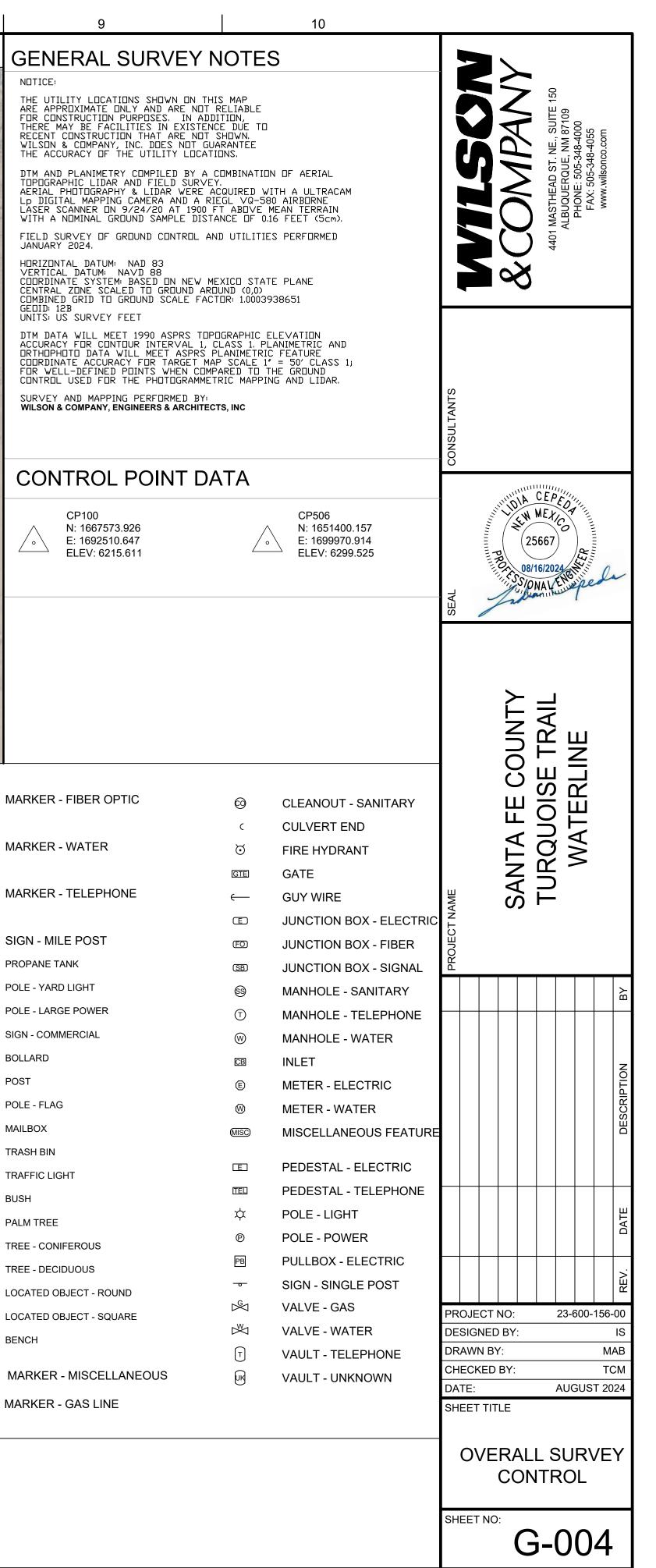
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SEED WEIGHT

GENERAL NOTES	KEEP STEEL PLATES ON-SITE FOR ANY NECESSARY TEMPORARY EMERGENCY	29. CONTRACTOR SHALL INSTALL MARKER BALLS AT ALL DUCTILE IRON FITTINGS.	
GENERAL NOTES	REEP STEEL PLATES ON-SITE FOR ANY NECESSARY TEMPORARY EMERGENCY TRENCH CROSSINGS.	29. CONTRACTOR SHALL INSTALL MARKER BALLS AT ALL DUCTILE IRON FITTINGS. MARKER BALLS SHALL BE 3M EMS OR APPROVED EQUAL. CONTRACTOR SHALL PROVIDE ONE MARKER BALL DETECTION DEVICE TO THE OWNER. MARKER BALLS	
SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," 2006 EDITION AS AMENDED, AS PREPARED BY THE NEW MEXICO CHAPTER, AMERICAN PUBLIC WORKS	14. ALL STREET STRIPING ALTERED AND/OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO THE SAME LOCATION OR AS SHOWN IN THE PLAN SET.	AND DETECTION DEVICE ARE CONSIDERED INCIDENTAL TO THE DUCTILE IRON COST.	
ASSOCIATION, EXCEPT AS MODIFIED BY THESE PLANS AND TECHNICAL SPECIFICATIONS WITHIN THE PROJECT MANUAL. 2. STANDARDS FOR ADDITIVES, MATERIALS AND EQUIPMENT - DIRECT ADDITIVES. EACH	15. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE OWNER. SITE ACCESS AND PROTECTION	14. THROUGHOUT THE LIFE OF THE PROJECT, THE CONTRACTOR SHALL KEEP THE EXISTING WATER SYSTEM OPERATIONAL UNTIL THE NEW SYSTEM IS ACCEPTED BY THE OWNER & ANY DAMAGE TO THE EXISTING SYSTEM SHALL BE IMMEDIATELY REPAIRED BY CONTRACTOR.	
INCLUDING TREATMENT IN STORAGE AND DISTRIBUTION SHALL CONFORM TO	<ul> <li>16. THE CONTRACTOR SHALL NOT ALLOW HIS CONSTRUCTION, STORAGE, OR PARKING OF EQUIPMENT OR VEHICLES TO ENCROACH ON PRIVATE PROPERTY EXCEPT WHERE PERMANENT OR TEMPORARY EASEMENTS HAVE BEEN GRANTED. IN ANY CASE, THE CONTRACTOR SHALL OBSERVE THE FOLLOWING CONDITIONS: <ul> <li>A. THE CONSTRUCTION AREA SHALL BE KEPT TO THE MINIMUM WIDTH REQUIRED FOR THE OPERATION.</li> <li>B. NO TREES OVER 6 INCH DIAMETER SHALL BE REMOVED, UNLESS AUTHORIZED BY THE OWNER.</li> </ul> </li> </ul>	15. ALL WATER SHUTOFFS MUST BE COORDINATED WITH THE ENGINEER AND OWNER'S REPRESENTATIVE A MINIMUM OF ONE (1) WEEK OR MORE IN ADVANCE OF THE SHUT-OFFS. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED PROPERTY OWNERS OF THE PENDING OUTAGE A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO THE OUTAGE AND AGAIN ONE (1) DAY PRIOR TO THE OUTAGE. ANY INTERRUPTION OF WATER SERVICE SHALL BE KEPT TO THE MINIMUM LENGTH OF TIME POSSIBLE. CONNECTION TO THE NEW POTABLE WATERLINE SHALL NOT TAKE MORE THAN 4-HOURS.	
PROCESS SCALE INHIBITORS AND CLEANERS;(8) WATER WELL DRILLING AND REHABILITATION AIDS; AND(9) WELL PUMP LUBRICANTS AND WELL SEALANTS. STANDARDS FOR ADDITIVES, MATERIALS AND EQUIPMENT - INDIRECT ADDITIVES. EXCEPT AS IDENTIFIED IN NMAC 20.7.10.400 SUBSECTIONS N AND O, A MATERIAL OR PRODUCT THAT COMES INTO CONTACT WITH WATER OR WATER TREATMENT	C. ANY DAMAGE DONE TO STRUCTURES, PAVING, GRAVEL, FENCES, UTILITY POLES, CULVERTS, ETC. SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. <u>CONSTRUCTION DEBRIS/DISPOSAL</u>	16. FIRE HYDRANT LOCATIONS INDICATED ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION BY THE CONTRACTOR. THE CONTRACTOR SHALL REQUEST THE LOCATION FOR FIRE HYDRANT FROM THE OWNER'S REPRESENTATIVE AT LEAST ONE (1) WEEK PRIOR TO THE WORK COMMENCING.	
CHEMICAL SHALL CONFORM TO ANSI/NSF STANDARD 61. PRODUCTS AND MATERIALS COVERED BY THIS SUBSECTION MAY INCLUDE BUT ARE NOT LIMITED TO:(1) PROCESS MEDIA, SUCH AS CARBON AND SAND;(2) JOINING AND SEALING MATERIALS, SUCH AS SOLVENTS, CEMENTS, WELDING MATERIALS, AND GASKETS;(3) MECHANICAL PLUMBING DEVICES;(4) PIPES AND RELATED PRODUCTS, SUCH AS PIPE AND FITTINGS;(5) MECHANICAL DEVICES USED IN TREATMENT, TRANSMISSION, OR	17. THE CONTRACTOR SHALL PROVIDE AN AREA TO STORE CONSTRUCTION DEBRIS WHERE IT WILL NOT BE A NUISANCE AND CONTAINED TOT PREVENT SCATTERING. ALL DEBRIS SHALL BE DISPOSED OF PROPERLY WITHIN A PROPERLY PERMITTED LANDFILL. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED FROM SITE PRIOR TO SUBSTANTIAL COMPLETION AND CONSIDERED INCIDENTAL.	17. CONTRACTOR SHALL NOT CONNECT TO EXISTING SYSTEM UNTIL ALL TESTING IS COMPLETE AND SHALL OBTAIN WRITTEN PERMISSION FROM THE ENGINEER TO PROCEED WITH CONNECTION TO THE EXISTING SYSTEM.	
DISTRIBUTION SYSTEMS SUCH AS TANKS, VALVES, CHLORINATORS, AND SEPARATION MEMBRANES; AND(6) PROTECTIVE (BARRIER) MATERIALS SUCH AS COATINGS. A COPY OF THE NEW MEXICO APWA STANDARD SPECIFICATIONS, THE PROJECT MANUAL AND THE PROJECT PLANS, SHALL BE KEPT AT THE JOB SITE BY THE	18. CONTRACTOR IS HEREBY GRANTED SALVAGE RIGHTS TO ANY AND ALL CONSTRUCTION DEBRIS (EXCEPT AS SHOWN IN THE PLANS AND SPECIFICATIONS), PROVIDED THE CONTRACTOR USES SAID DEBRIS IN A LAWFUL MANNER. A LIST OF ITEMS SALVAGED SHALL BE REPORTED IN WRITING TO THE ENGINEER AND THE OWNER PRIOR TO SALVAGE ITEMS LEAVING THE SITE.	<ul> <li>18. A PRESSURE TESTING PLAN SHALL BE PREPARED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER AND OWNER. THE PRESSURE TESTING PLAN SHALL MEET AWWA C-651 AND SHALL BE PERFORMED SUCH THAT ALL VALVES ARE PRESSURE TESTED ON EACH SIDE OF THE VALVE.</li> <li>19. CONTRACTOR SHALL NOT OPERATE VALVES OR ISOLATE ANY PORTION OF THE</li> </ul>	
CONTRACTOR AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. . SPECIFICATIONS FOR THE IMPROVEMENTS AS SHOWN ON THESE PLANS, WITHIN NMDOT ROW, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NMDOT	19. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STREETS FREE AND CLEAR OF ANY DEBRIS THAT IS TRACKED TO AND FROM THE SITE.	WATER DISTRIBUTION, COLLECTOR, OR TRANSMISSION SYSTEM. CONTRACTOR SHALL COORDINATE ALL VALVE OPERATIONS WITH THE OWNER AT LEAST SEVEN(7) WORKING DAYS PRIOR TO THE VALVE CLOSURE.	
STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (LATEST EDITION). IN CASE OF CONFLICTING SPECIFICATIONS, THE ENGINEER WILL	PLAN CHANGES, AS BUILTS, RECORD DRAWINGS	20. CONTRACTOR SHALL LIMIT THE AMOUNT OF OPEN TRENCH TO 660 FEET MAXIMUM AT ANY ONE TIME, UNLESS OTHERWISE APPROVED BY THE ENGINEER AND OWNER.	
<u>PERMITS</u> 5. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND GOVERNMENT REGULATIONS. BEFORE WORK MAY BEGIN, CONTRACTOR SHALL SECURE ALL APPROPRIATE PERMITS AS REQUIRED -IF NOT ALREADY OBTAINED BY THE OWNER - AT CONTRACTOR'S EXPENSE AND CONSIDERED INCIDENTAL TO THE PROJECT.	20. CHANGES SHALL NOT BE MADE TO THESE PLANS WITHOUT THE SPECIFIC APPROVAL OF THE OWNER AND THE ENGINEER. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS OR TECHNIQUES OR FOR THE EXECUTION OF THE WORK AS SHOWN ON THESE PLANS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.	21. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE DISPOSAL OF WATER TO BE DRAINED FROM EXISTING WATERLINES. CONTRACTOR SHALL PROVIDE SANITARY, TEMPORARY CAP ON EXISTING PIPELINES UNTIL READY TO MAKE FINAL CONNECTION. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL SUBMIT PROPOSED METHODS AND PROCEDURES FOR DRAINING OF PIPELINES, INCLUDING DISPOSAL LOCATION TO THE ENGINEER AND OWNER FOR REVIEW AND APPROVALSITE RESTORATION	
ALLOWED DUE TO THE NORMAL PERMITTING PROCESSES. ANY FINES ASSOCIATED WITH NOT OBTAINING NECESSARY PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR. COST OF COMPLIANCE WITH THESE PERMITS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, AND NO ADDITIONAL PAYMENT SHALL BE MADE.	21. THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES. THESE PLANS SHALL BE SUBJECT TO REVIEW BY THE ENGINEER THROUGHOUT THE PROJECT AND WILL BE REVIEWED BY THE ENGINEER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. PAYMENT MAY BE WITHHELD UNTIL AS BUILT PLANS ARE CURRENT. TWO (2) SETS OF THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL PAYMENT.	<ul> <li>22. SITE RESTORATION</li> <li>22. SITE RESTORATOIN, INCLUDING TEMPORARY EROSION CONTROL PROVISIONS, IS A PREREQUISITE FOR PERIODIC AND FINAL PAYMENT. ANY AND ALL DISTURBED AREAS DURING CONSTRUCTION SHALL BE RETURNED TO MATCH OR EXCEED CONDITION PRIOR TO CONSTRUCTION COMMENCEMENT.</li> <li>23. CONTRACTOR SHALL PROVIDE A VIDEO DOCUMENTATION OF THE ENTIRE SITE</li> </ul>	
6. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE DRAWINGS HAVE BEEN OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS AND FROM INFORMATION PROVIDED BY THE VARIOUS UTILITIES. LOCATIONS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE DEPICTED LOCATION AND THE	<ul> <li><u>CONSTRUCTION REQUIREMENTS</u></li> <li>22. ALL NEW WATER LINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 4.0 FT. COVER MEASURED FROM FINISH GRADE TO THE TOP OF THE PIPE, UNLESS OTHERWISE NOTED. UNDERGROUND INSTALLATION OF SEWER PIPE SHALL BE PER APWA STANDARDS.</li> </ul>	ALONG ALL ALIGNMENTS PRIOR TO CONSTRUCTION COMMENCEMENT. THE VIDEO SHALL COVER THE ENTIRE ANTICIPATED AREA OF DISTURBANCE FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE TWO (2) COPIES OF THE VIDEO DOCUMENTATION ON A USB FLASH DRIVE TO THE ENGINEER. ENVIRONMENTAL AND HISTORICAL PRESERVATION	
<ul> <li>EXISTENCE OR NONEXISTENCE OF UTILITY LINES. THE CONTRACTOR IS ADVISED TO FULLY INVESTIGATE UTILITY LOCATION AND ROCK EXCAVATING CONDITIONS PRIOR TO BIDDING BY POTHOLING, OR OTHER MEANS, IN ORDER TO BE FULLY AWARE OF THE PROJECT CONDITIONS.</li> <li>7. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT</li> </ul>	23. WATER AND SEWER CONFLICTS SHALL BE RESOLVED IN ACCORDANCE WITH NMED REQUIREMENTS, SHOULD THEY OCCUR. SEWER WILL BE LAID AT LEAST 10 FT HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. DISTANCE WILL BE MEASURED EDGE TO EDGE. WHERE IT IS NOT PRACTICAL TO MAINTAIN A 10-FT	24. IN THE EVENT THE CONTRACTOR ENCOUNTERS ITEMS OF HISTORICAL IMPORTANCE, THE ENGINEER AND OWNER SHALL BE NOTIFIED IMMEDIATELY AND WORK IN THE AREA SHALL IMMEDIATELY CEASE UNTIL THE SITE CAN BE CLEARED PROPERLY.	
THE NEW MEXICO ONE-CALL SYSTEM, STATEWIDE, 1-800-321-2537, FOR LOCATION ON EXISTING UTILITIES. 3. PRIOR TO CONSTRUCTION IN ANY AREA, THE CONTRACTOR SHALL VERIFY, BY	SEPARATION, THE APPROPRIATE REVIEWING AGENCY MAY ALLOW DEVIATION ON A CASE-BY-CASE BASIS, IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER. SUCH DEVIATION MAY ALLOW INSTALLATION OF THE SEWER CLOSER TO A WATER MAIN, PROVIDED THAT THE WATER MAIN IS IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER AND AT AN	25. IF HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL CEASE ALL WORK AND CONTACT THE OFFICE OF THE MEDICAL EXAMINER FOR FURTHER INSTRUCTION. <u>NMDOT</u>	
WHATEVER MEANS NECESSARY, THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND OBSTRUCTIONS. IN PARTICULAR, THE EXACT LOCATIONS AND MATERIALS OF ALL EXISTING UTILITIES AT PROPOSED CONNECTIONS SHALL BE VERIFIED BY THE DIRECT EXCAVATION OR "POT HOLING" IN ORDER TO IDENTIFY THE DETAILS OF CONNECTION PRIOR TO THE PARTICULAR SEQUENCE OF WORK. SHOULD A CONFLICT BE VERIFIED. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE	ELEVATION SO THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER. IF IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS DESCRIBED ABOVE, BOTH THE WATER MAIN AND SEWER WILL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT PIPE COMPLYING WITH PUBLIC WATER SUPPLY DESIGN STANDARDS OF THE AGENCY AND SEWER TO BE	26. WORK TO BE PREFORMED IN NMDOT ROW SHALL BE IN ACCORDANCE WITH NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2019 EDITION. NMDOT MUST BE CONTACTED FIVE (5) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION WITHIN NMDOT ROW.	
ENGINEER SO THE CONFLICT MAY BE RESOLVED. THE OWNER OR ENGINEER SHALL	<ul> <li>PRESSURE TESTED TO 150 PSI TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING.</li> <li>24. ALL NEW PIPING THRUST RESTRAINT SHALL BE PROVIDED BY RESTRAINED JOINT SYSTEMS. IN ADDITION, CONCRETE THRUST BLOCKING SHALL BE UTILIZED IN THOSE LOCATIONS WHERE EXISTING PIPING CONNECTIONS PREVENT FULL DEVELOPMENT</li> </ul>	<ul> <li>27. SUBMITTAL OF CONTRACTOR'S AND ALL SUBCONTRACTOR'S CERTIFICATE OF INSURANCE, WITH NMDOT LISTED AS ADDITIONAL INSURED AND THE AMOUNTS STATED IN THE NMDOT RAILROADS &amp; UTILITIES MANUAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.</li> <li>20. ALL EXCALATION WITHIN THE DOW OF ALL DE COMPACTED TO A MINIMUM OF 0500 OF</li> </ul>	
ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY RELOCATIONS	<ul> <li>OF RESTRAINED LENGTH OF PIPE BY NEW PIPE CONNECTIONS. ALL THRUST RESTRAINTS ARE TO MEET 150 PSI TEST PRESSURE CONDITIONS.</li> <li>25. ALL PVC PIPE FOR WATER MAIN SHALL BE AWWA C-900, DR-18 FOR THIS PROJECT. ALL DUCTILE IRON PIPE SHALL BE AWWA C-150, PRESSURE CLASS 250 OR BETTER.</li> </ul>	28. ALL EXCAVATION WITHIN THE ROW SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557. ALL FILL MATERIAL IN NMDOT RIGHT OF WAY SHALL MEET THE REQUIREMENTS OF THE NMDOT SPECIFICATIONS. THE FILL SHALL BE COMPACTED PER THE NMDOT SPECIFICATIONS.	
10. A PRELIMINARY GEOTECHNICAL INVESTIGATION HAS BEEN COMPLETED AND INCLUDED IN THE PROJECT MANUAL FOR INFORMATION PURPOSES ONLY.	<ul> <li>ALL FITTINGS SHALL BE DUCTILE IRON, CLASS 250 PSI, OR BETTER IN ACCORDANCE WITH NMAPWA REQUIREMENTS.</li> <li>26. ALL PIPING, VALVES, FITTINGS, AND SERVICES UTILIZED FOR POTABLE WATER SERVICE, SHALL BE DISINFECTED IN ACCORDANCE WITH NMED REQUIREMENTS.</li> </ul>	29. ROW SHALL BE RESTORED TO ORIGINAL CONDITION TO MEET PERMIT REQUIREMENTS. SAFETY	
<ul> <li>TRAFFIC CONTROL</li> <li>11. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR IMPLEMENTING, PROTECTING AND MAINTAINING ANY NECESSARY TRAFFIC CONTROL IN COMPLIANCE WITH NMMUTCD. TYPICAL STREET AND HIGHWAY TRAFFIC CONTROL DETAILS ARE PROVIDED, AND</li> </ul>	PIPELINES SHALL BE FLUSHED, DISINFECTED AND SAMPLED IN ACCORDANCE WITH AWWA C-651. 27. EXISTING PAVEMENT SHALL BE SAW CUT TO STRAIGHT EDGES TO AVOID ANY	<u>SAFETY</u> 30. CONTRACTOR SHALL PROVIDE AND INSTALL SHEETING, SHORING, TRENCH BOX OR OTHER MEANS NECESSARY TO LIMIT THE TRENCH WIDTH TO WITHIN THE LIMITS SHOWN ON THE PLANS.	
CONTRACTOR SHALL FURNISH THE TRAFFIC CONTROL AS PROVIDED THEREIN, TO COINCIDE WITH SEQUENCING OF CONSTRUCTION. CONTRACTOR SHALL FURNISH A TRAFFIC CONTROL PLAN (DRAWING) WITH ANY DETOUR ARRANGEMENTS TO THE OWNER AND ENGINEER FOR APPROVAL AT LEAST 7 WORKING DAYS PRIOR TO CONSTRUCTION. CONTRACTOR MUST NOTIFY THE LOCAL POLICE DEPARTMENT 72 HOURS IN ADVANCE OF STARTING OR ALTERING ANY TRAFFIC CONTROL PROGRAM.	BROKEN OR CRACKED PAVEMENT. SEE TRENCHING AND STREET RESURFACING DETAILS FOR LIMITS OF SAW CUT. THE PAVEMENT BID ITEM INCLUDED IN THIS PROJECT IS INTENDED TO REMOVE AND REPLACE THE EXISTING PAVEMENT. THE PAYMENT FOR THE ROAD PAVEMENT REPLACEMENT SHALL NOT EXCEED A MAXIMUM WIDTH OF EIGHT (8) FEET. REPLACEMENT FOR WIDTHS GREATER THAN 8' SHALL BE CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION. THE CONTRACTOR SHALL MINIMIZE PAVEMENT REPLACEMENT. THE CONTRACTOR SHALL COORDINATE AND VERIEVE THE EXISTING AND PROPOSED DAVEMENT THICKNESS WITH THE ENCINEER	<ol> <li>CONTRACTOR SHALL BE RESPONSIBLE OF INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK TO CONSTRUCT THE FACILITIES SHOWN ON THE DRAWINGS. ALL TRENCHING, EXCAVATION AND SHORING ACTIVITIES SHALL BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.</li> <li>CONTRACTOR SHALL CONDUCT REGULARLY SCHEDULED SAFETY MEETINGS AT THE</li> </ol>	
	<ul> <li>VERIFY THE EXISTING AND PROPOSED PAVEMENT THICKNESS WITH THE ENGINEER AT LEAST TWO WEEKS PRIOR TO REPLACING THE PAVEMENT.</li> <li>28. THE CONTRACTOR IS REQUIRED TO PROVIDE DUST AND EROSION CONTROL PROTECTION AS A PART OF GRADING WORK THROUGHOUT CONSTRUCTION IN</li> </ul>	JOB SITE, WITH THE OWNER AND ENGINEER MAY BE INVITED.	
13. DRIVEWAY ACCESS TO RESIDENTIAL HOMES SHALL BE AVAILABLE DURING THE HOURS OF 6:00 PM TO 8:00 AM, AND ALL BUSINESSES SHALL HAVE 24 HOUR ACCESS EXCEPT IN EMERGENCIES. CONTRACTOR SHALL ASSIST IN ANY ARRANGEMENTS FOR "SPECIAL NEEDS" RESIDENTS, AND SHALL AT ALL TIMES PROVIDE NOTIFICATION TO AFFECTED RESIDENTS PRIOR TO ANY DRIVEWAY ACCESS SHUTDOWNS OR WATER AND SEWER SERVICE SHUTDOWNS, THROUGH "DOOR HANGER" NOTICES AND PUBLIC INFORMATION ANNOUNCEMENTS, AT LEAST 48 HOURS IN ADVANCE. CONTRACTOR SHALL PROVIDE EGRESS AND INGRESS FOR ALL EMERGENCY VEHICLES, AND SHALL	PROTECTION, AS A PART OF GRADING WORK, THROUGHOUT CONSTRUCTION IN ACCORDANCE W/ NPDES BEST MANAGEMENT PRACTICES. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE NECESSARY SITE EROSION CONTROL DEVICES FOR INHIBITING DUST, WIND, AND AIR SEDIMENT MOVEMENT OFFSITE THROUGHOUT CONSTRUCTION.		









1. LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO BEGINNING WORK. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE BASED ON AVAILABLE RECORD INFORMATION, ABOVE GROUND FEATURES VISIBLE IN THE FIELD, AND VERBAL DESCRIPTIONS BY SANTA FE COUNTY. IN THE EVENT CONDITIONS IN THE FIELD ARE NOT AS SHOWN ON THE DRAWINGS, CONTRACTOR SHALL NOTIFY THE PUBLIC INFRASTRUCTURE PROJECT MANAGER OR THE ENGINEER IMMEDIATELY SO THAT NECESSARY CHANGES TO THE DESIGN MAY BE MADE WITH THE MINIMUM OF INTERRUPTION TO THE PROJECT SCHEDULE.

2. ALL UTILITY CONSTRUCTION FOR IRRIGATION LINES, WATER LINES, SANITARY SEWER LINES, AND ALL APPURTENANCES SHALL BE IN ACCORDANCE WITH SANTA FE COUNTY STANDARDS.

3. CONTRACTOR SHALL VERIFY FIELD LOCATION, TYPE, AND DEPTH OF ALL UTILITIES SHOWN AND NOT SHOWN.



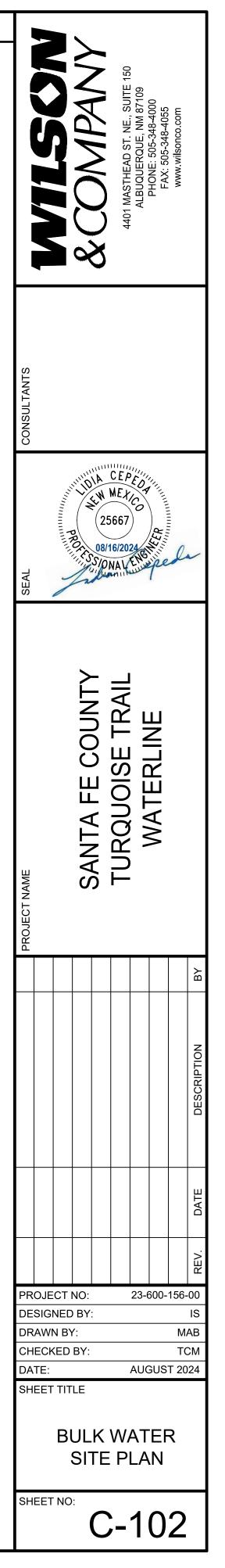


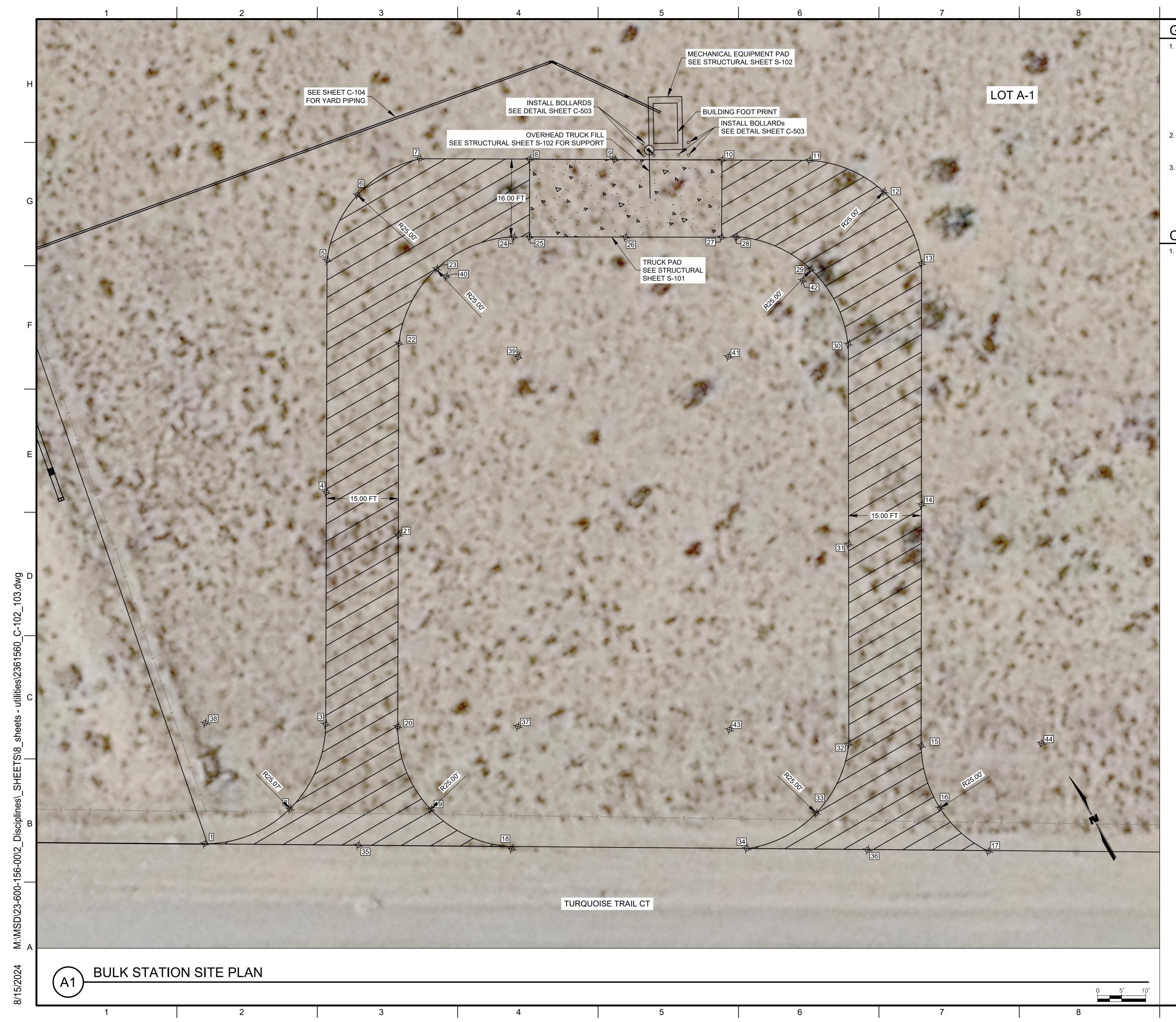
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4. BULK WATER STATION MODEL NO. FP-WG-30H-2L-075-BF-1AT-CC-ETN





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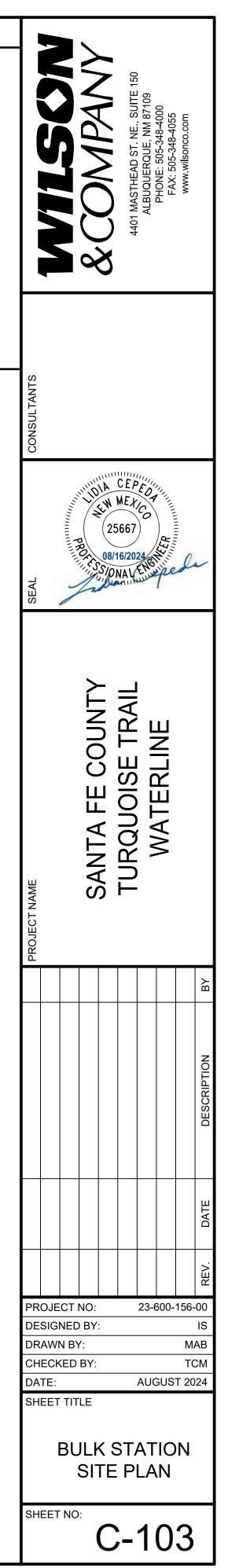
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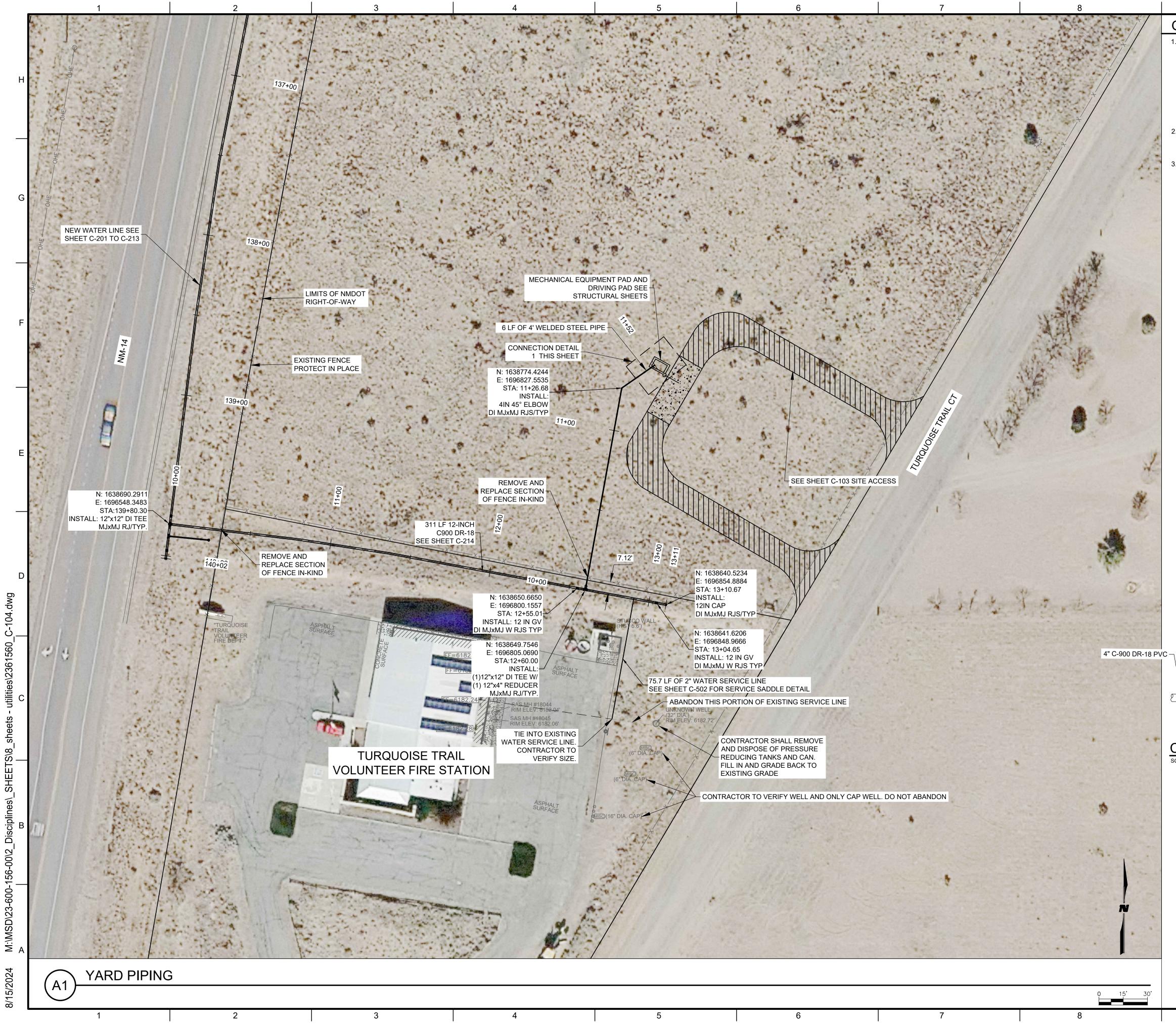
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#### CONSTRUCTION NOTES:

1. DRIVE PAD SHALL NOT HAVE CURB AND GUTTER. TAPER OFF ASPHALT EDGES.

	F	Point Table	9
Point #	Northing	Easting	Description
1	1638630.36	1696931.86	EDGE OF ROAD
2	1638649.30	1696934.49	EDGE OF ROAD
3	1638664.59	1696923.01	EDGE OF ROAD
4	1638688.92	1696881.40	EDGE OF ROAD
5	1638713.25	1696839.78	EDGE OF ROAD
6	1638725.56	1696831.23	EDGE OF ROAD
7	1638740.54	1696831.21	EDGE OF ROAD
8	1638760.23	1696842.75	EDGE OF ROAD
9	1638775.48	1696851.70	EDGE OF ROAD
10	1638794.73	1696862.99	EDGE OF ROAD
11	1638810.43	1696872.20	EDGE OF ROAD
12	1638820.52	1696885.65	EDGE OF ROAD
13	1638819.81	1696902.44	EDGE OF ROAD
14	1638794.59	1696945.76	EDGE OF ROAD
15	1638769.36	1696989.09	EDGE OF ROAD
16	1638766.28	1697002.22	EDGE OF ROAD
17	1638770.46	1697015.04	EDGE OF ROAD
18	1638684.98	1696964.85	EDGE OF ROAD
19	1638674.59	1696949.28	EDGE OF ROAD
20	1638677.29	1696930.96	EDGE OF ROAD
21	1638697.40	1696896.58	EDGE OF ROAD
22	1638717.50	1696862.20	EDGE OF ROAD
23	1638732.05	1696852.76	EDGE OF ROAD
24	1638749.25	1696855.06	EDGE OF ROAD
25	1638752.08	1696856.71	EDGE OF ROAD
26	1638769.33	1696866.76	EDGE OF ROAD
27	1638786.60	1696876.84	EDGE OF ROAD
28	1638789.26	1696878.38	EDGE OF ROAD
29	1638799.30	1696891.93	EDGE OF ROAD
30	1638798.23	1696909.28	EDGE OF ROAD
31	1638777.40	1696945.23	EDGE OF ROAD
32	1638756.58	1696981.18	EDGE OF ROAD
33	1638743.47	1696990.18	EDGE OF ROAD
34	1638727.31	1696989.30	EDGE OF ROAD
35	1638657.80	1696948.14	EDGE OF ROAD
36	1638748.89	1697002.17	EDGE OF ROAD
37	1638698.89	1696943.51	CENTER OF RADIUS
38	1638643.03 1638737.53	1696910.21	CENTER OF RADIUS
39		1696877.15	
40	1638733.02	1696855.09	CENTER OF RADIUS
	1638775.32		CENTER OF RADIUS
42	1638796.63	1696893.05	CENTER OF RADIUS
43	1638736.60	1696966.15	CENTER OF RADIUS
44	1638791.25	1697001.17	CENTER OF RADIUS

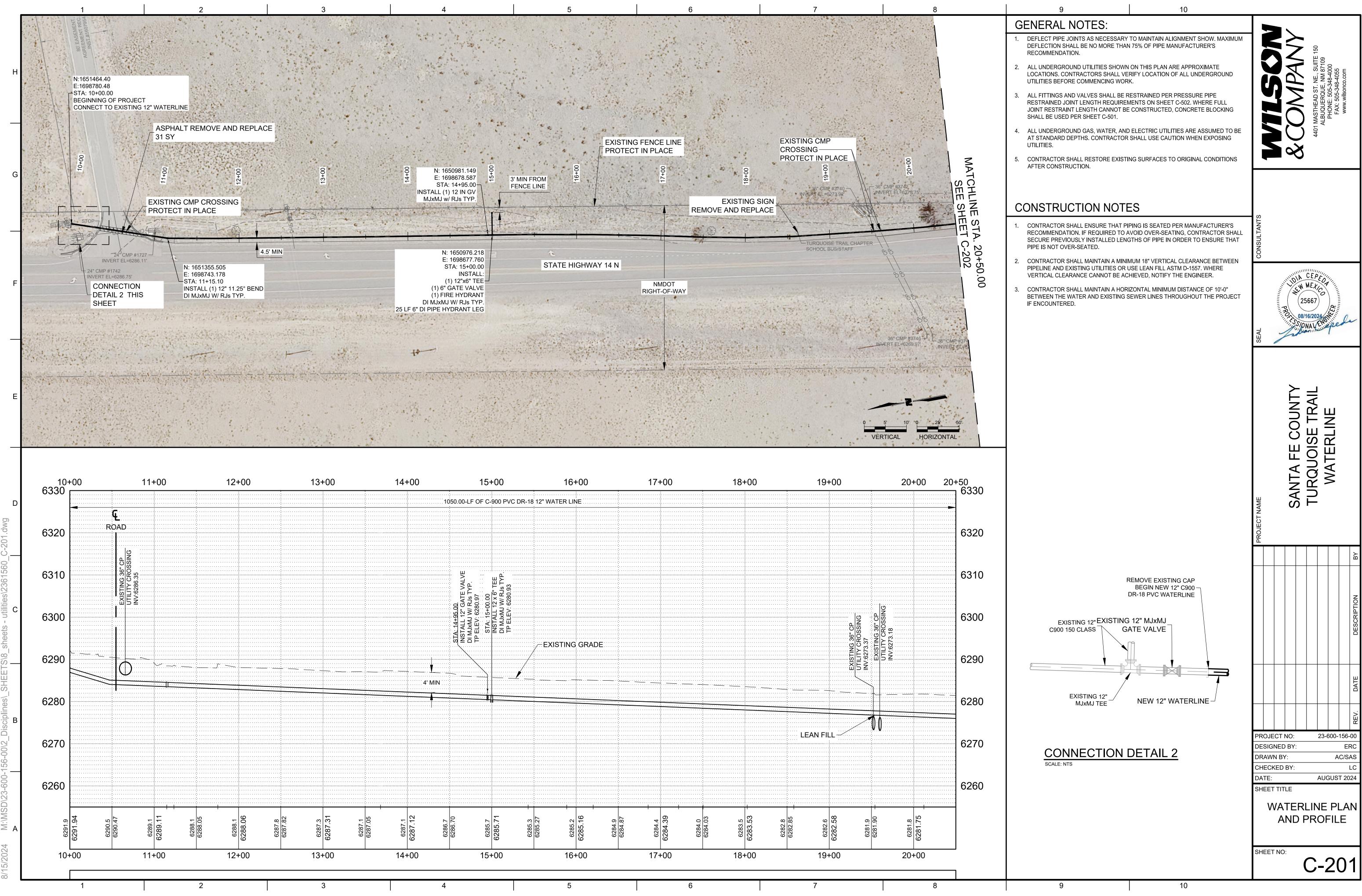


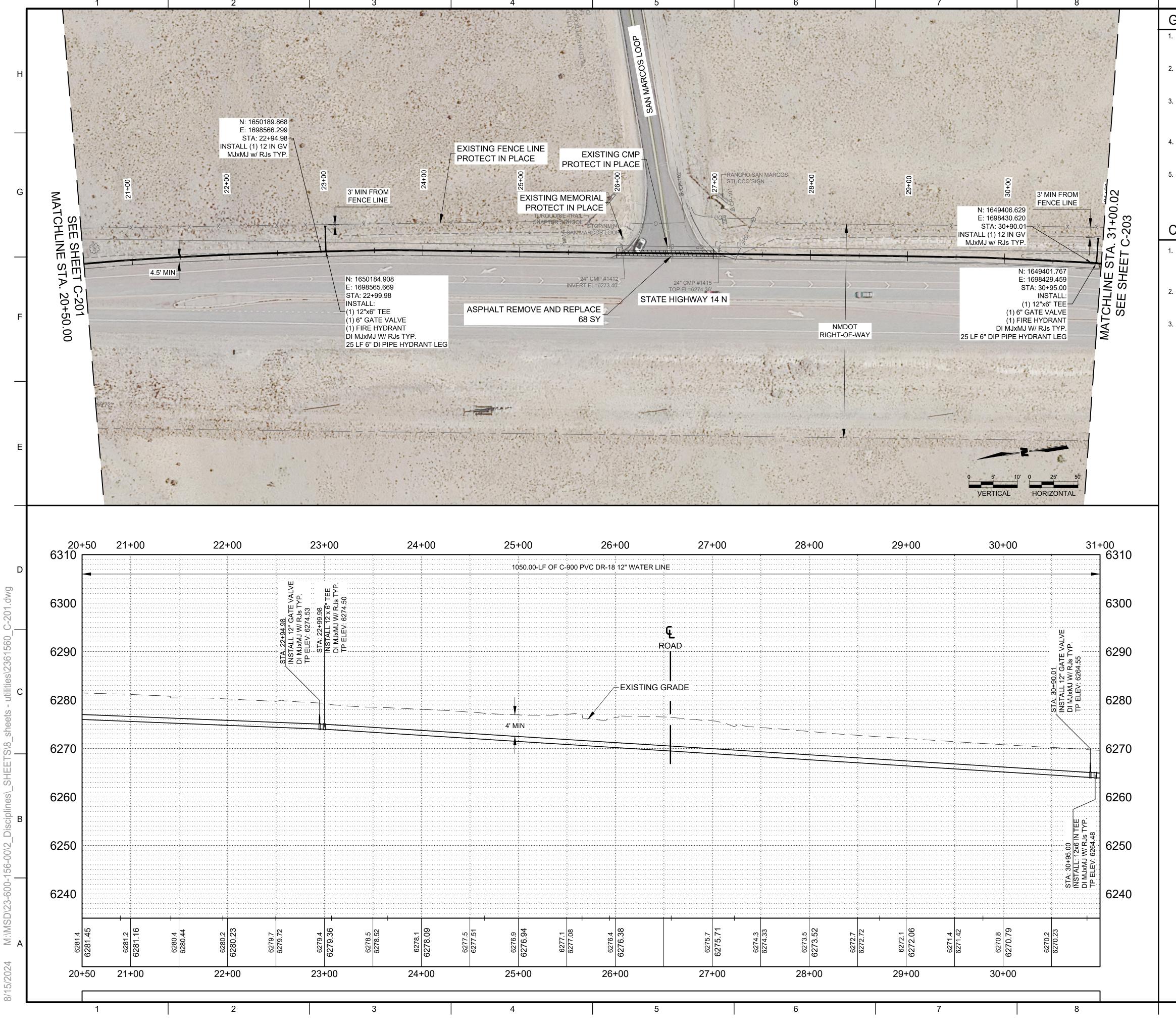


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SCALE NTS	DJECT NO: SIGNED BY: AWN BY: ECKED BY: TE: ET TITLE YAR			

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DEFLECT PIPE JOINTS AS NECESSARY TO MAINTAIN ALIGNMENT SHOW. MAXIMUM DEFLECTION SHALL BE NO MORE THAN 75% OF PIPE MANUFACTURER'S RECOMMENDATION.

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2. ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE LOCATIONS. CONTRACTORS SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE COMMENCING WORK.

ALL FITTINGS AND VALVES SHALL BE RESTRAINED PER PRESSURE PIPE RESTRAINED JOINT LENGTH REQUIREMENTS ON SHEET C-502. WHERE FULL JOINT RESTRAINT LENGTH CANNOT BE CONSTRUCTED, CONCRETE BLOCKING SHALL BE USED PER SHEET C-501.

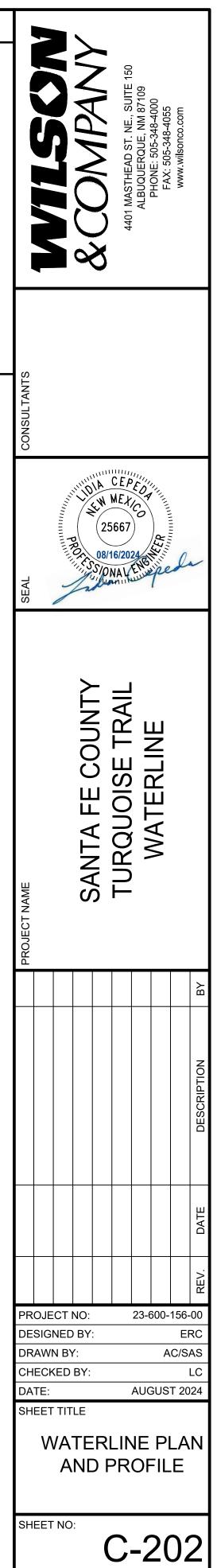
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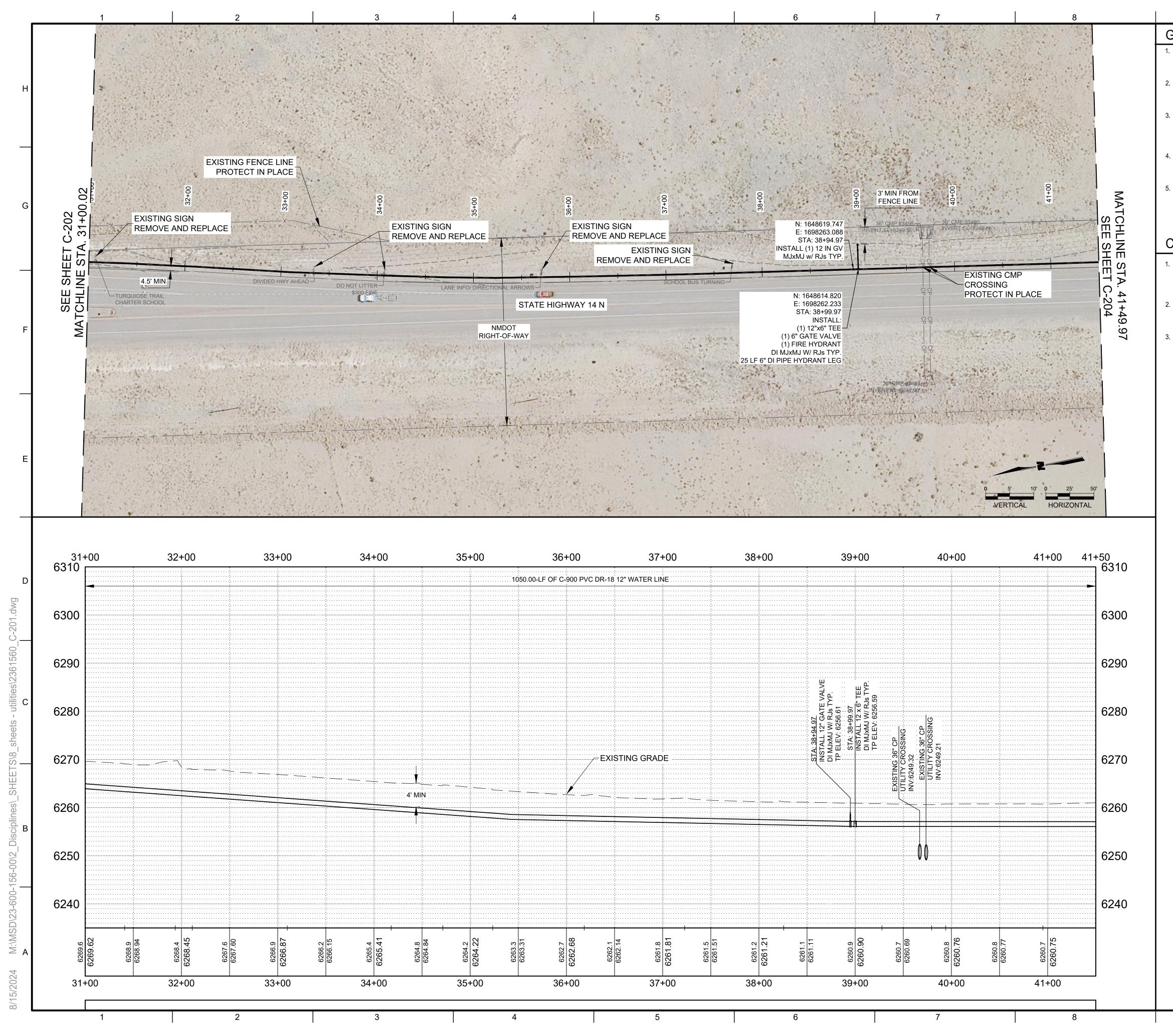
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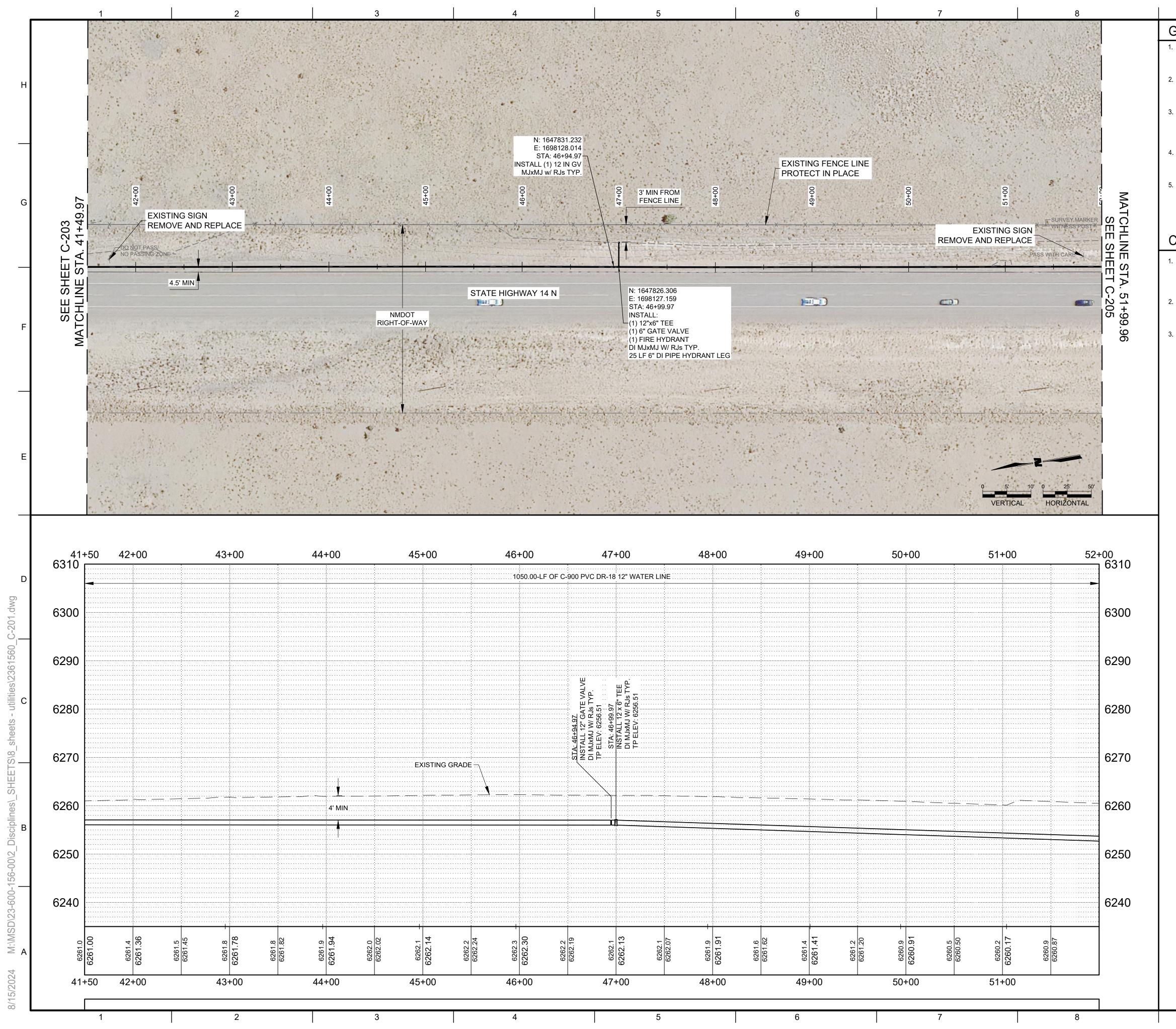
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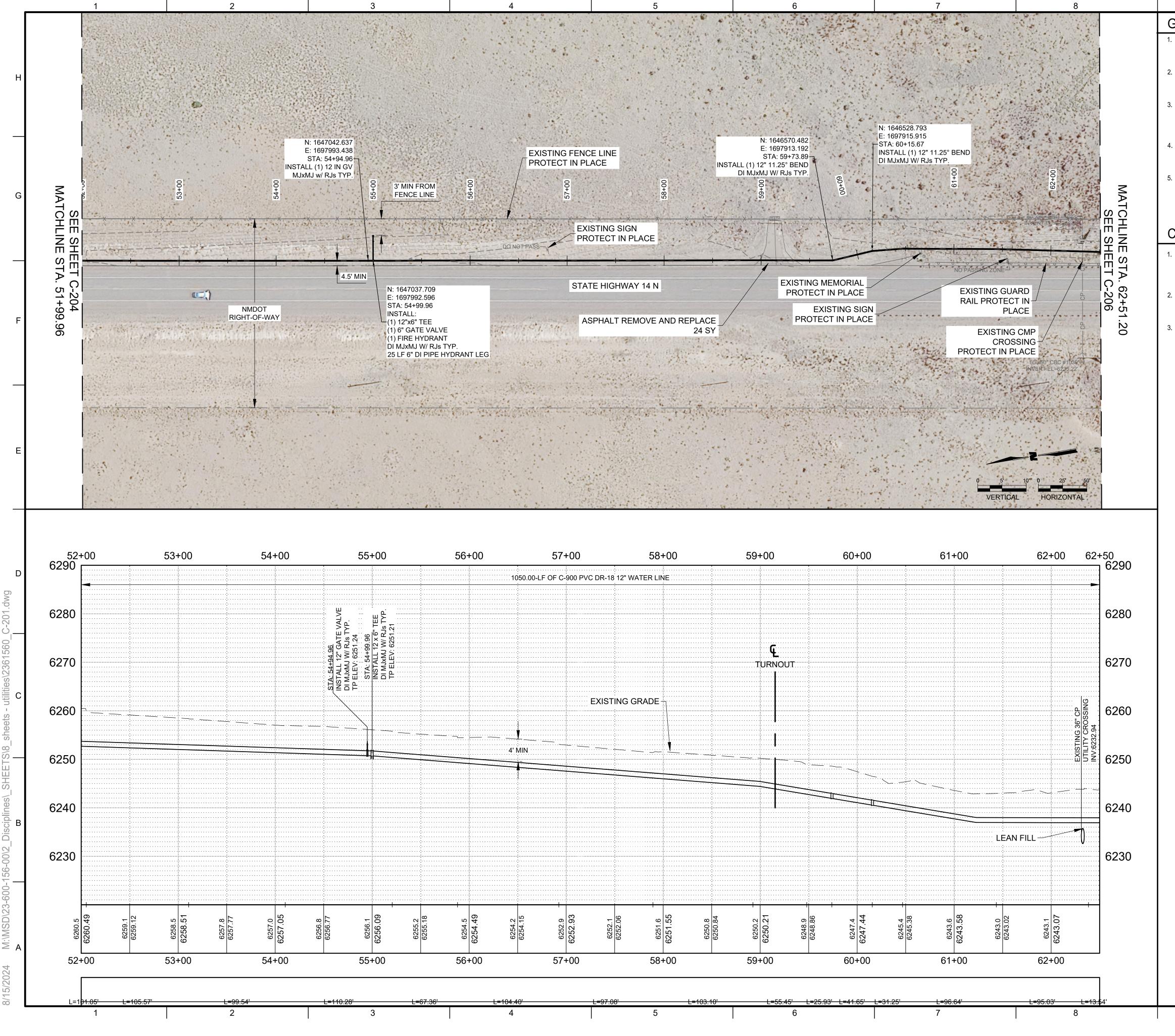
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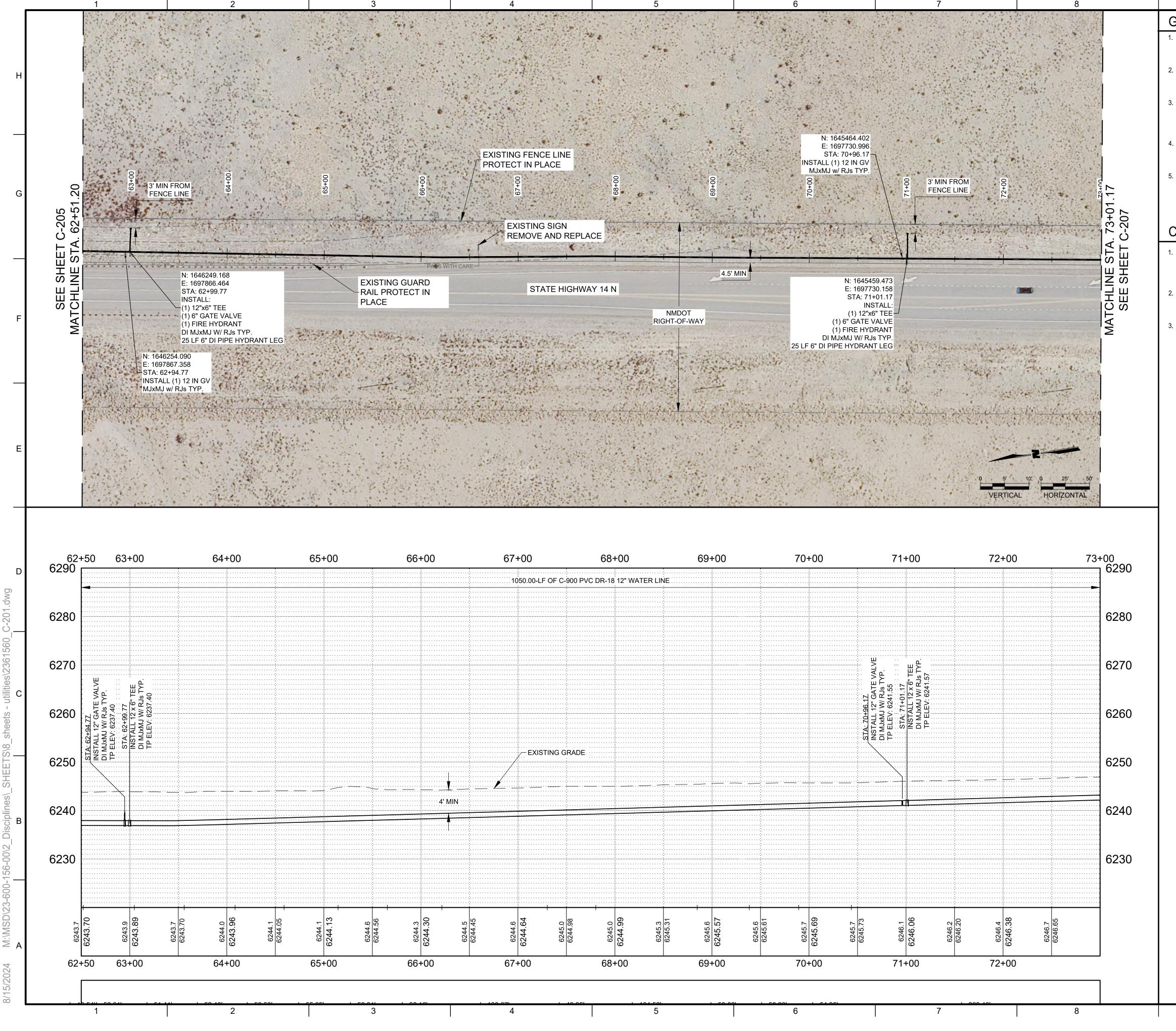
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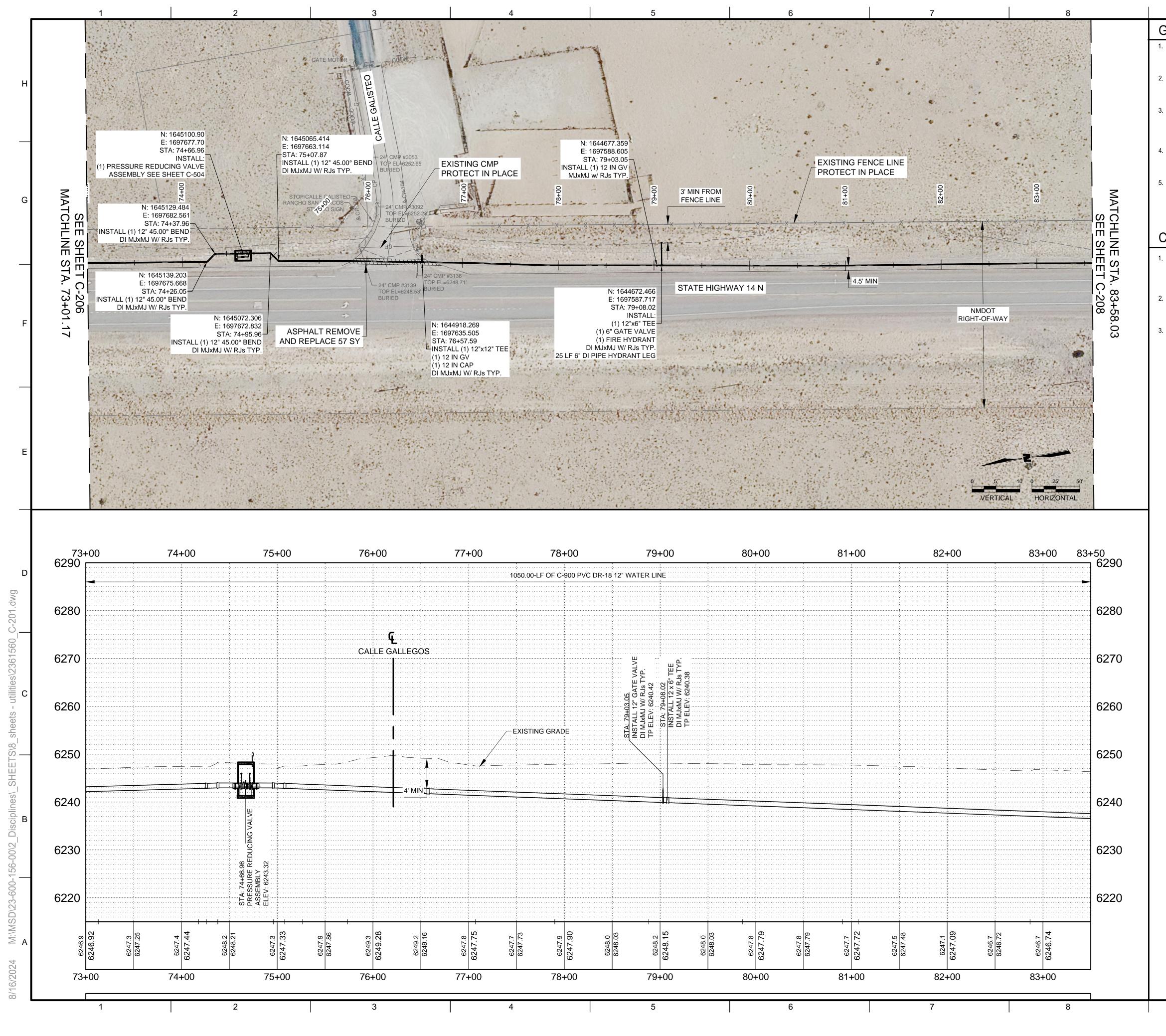
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CONTRACTOR SHALL MAINTAIN A HORIZONTAL MINIMUM DISTANCE OF 10'-0" BETWEEN THE WATER AND EXISTING SEWER LINES THROUGHOUT THE PROJECT IF ENCOUNTERED.





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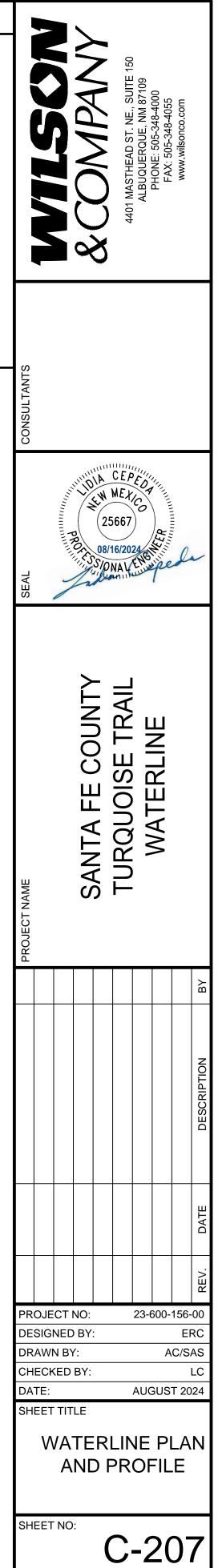
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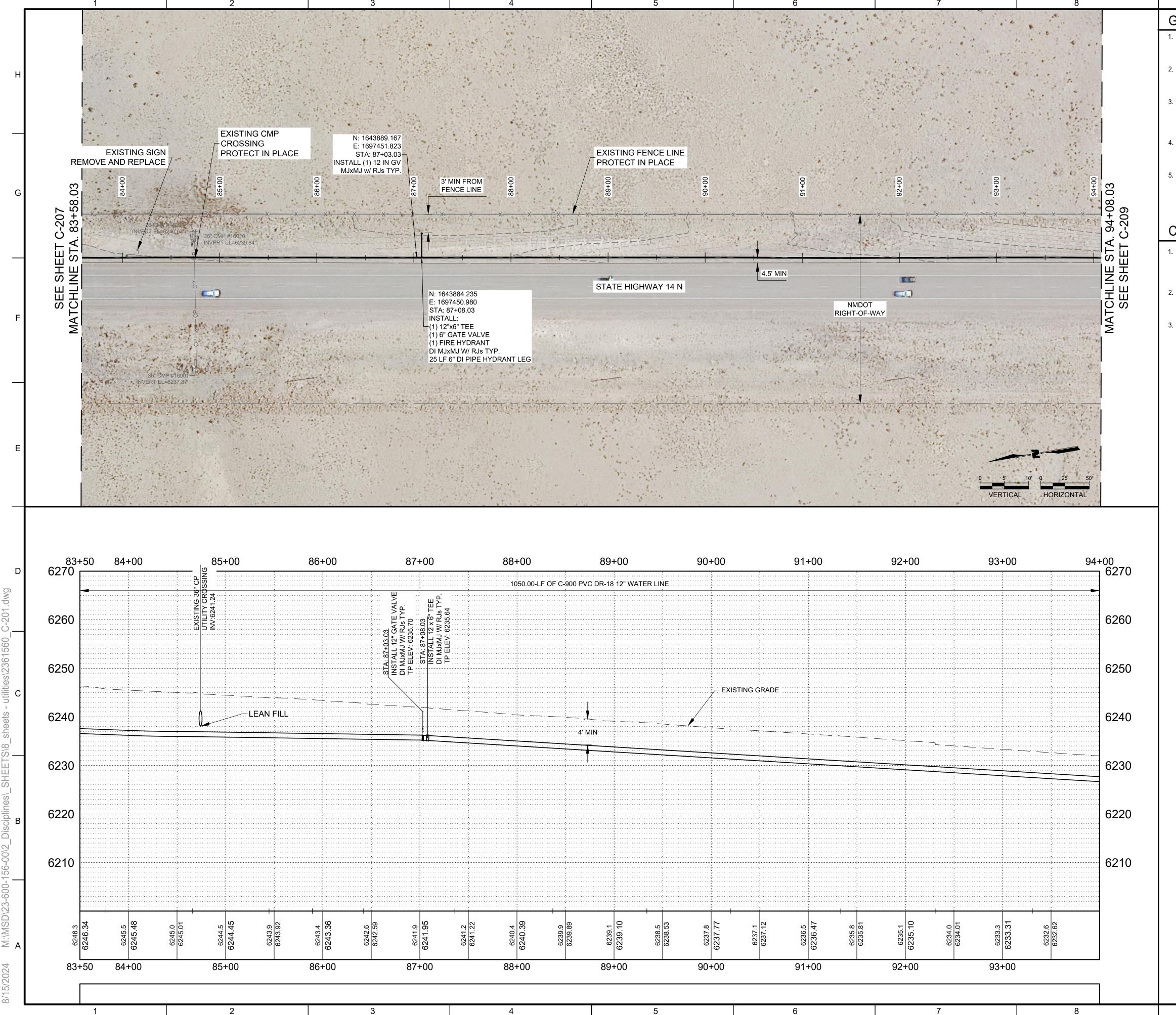
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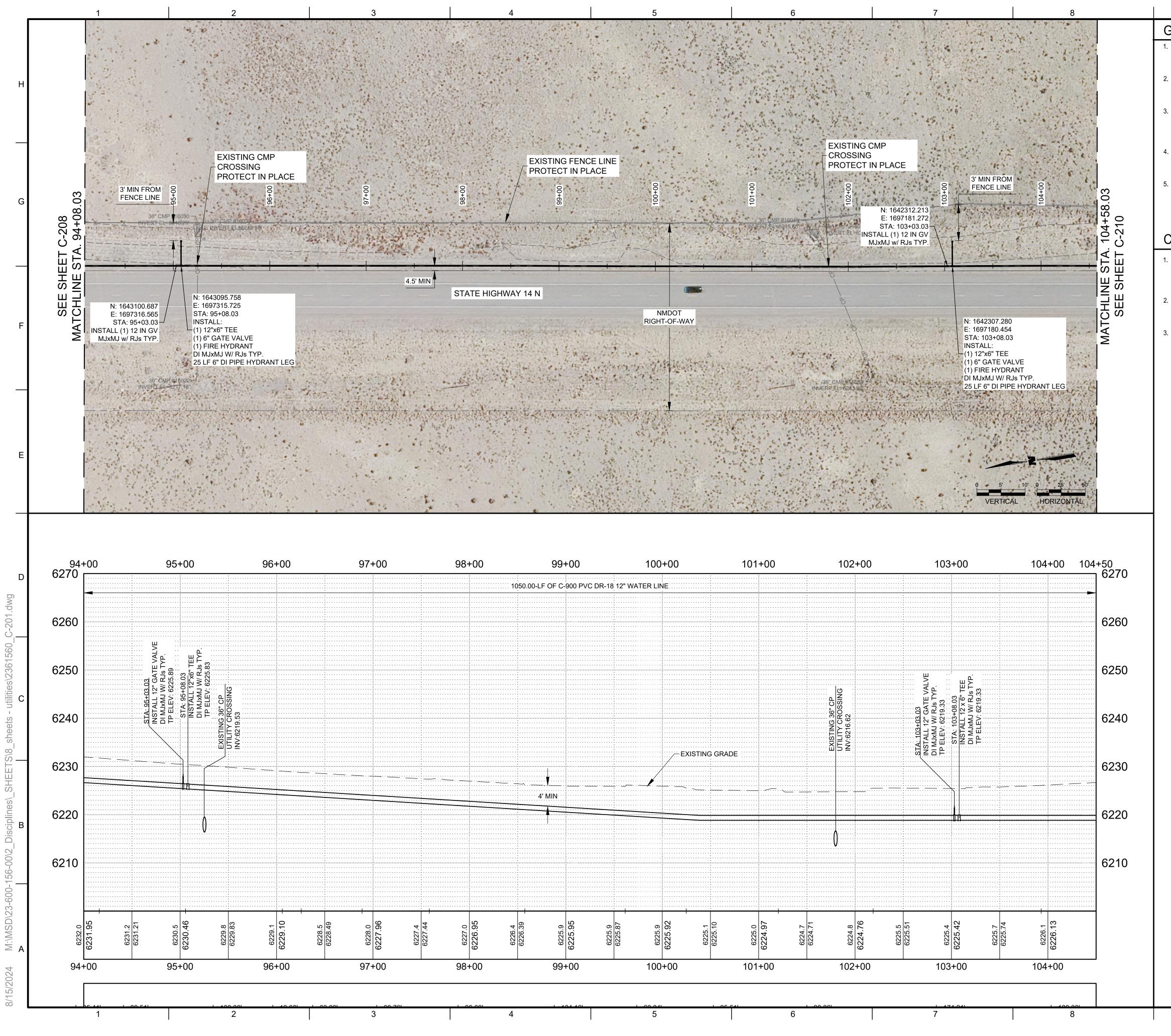
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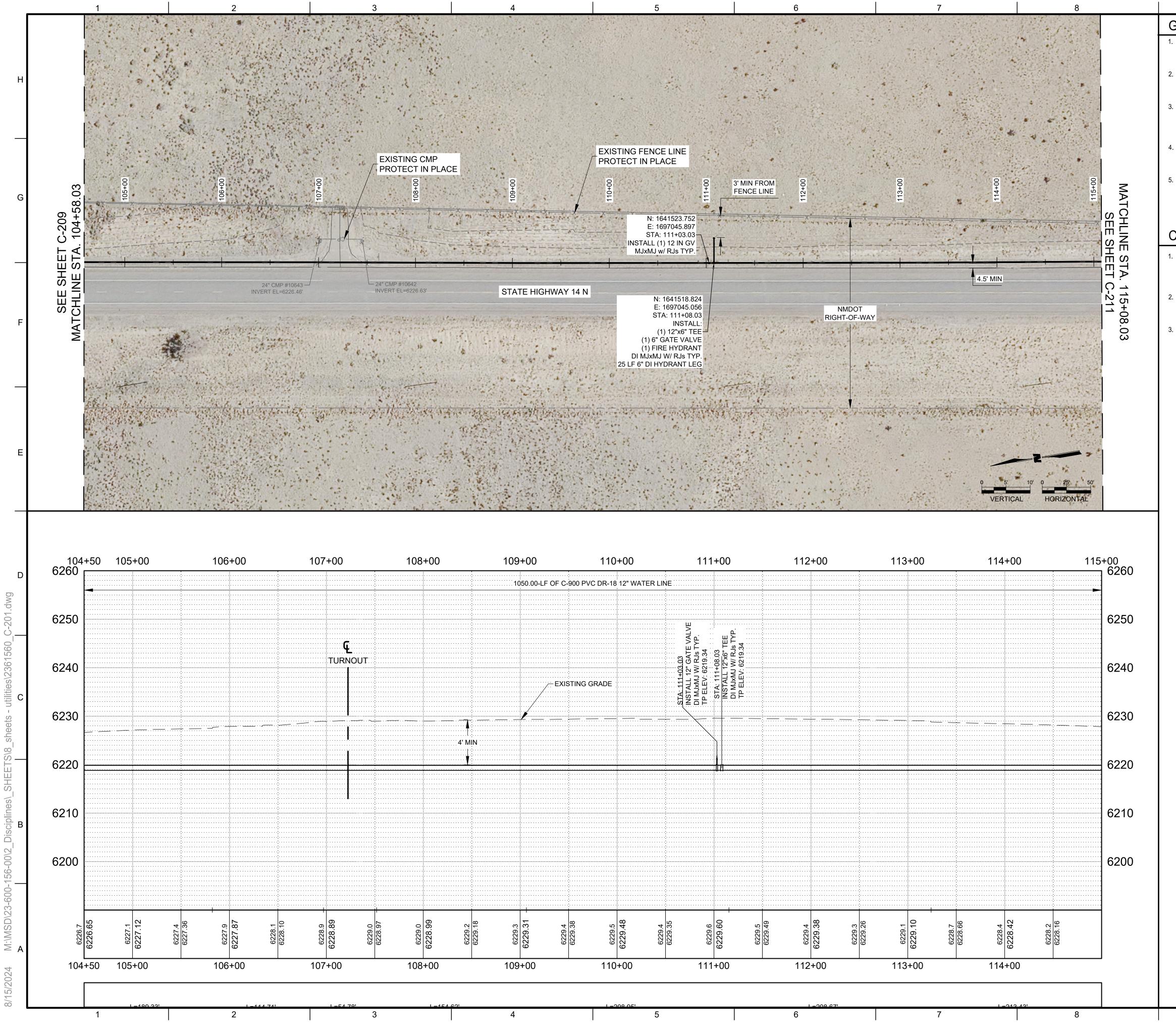
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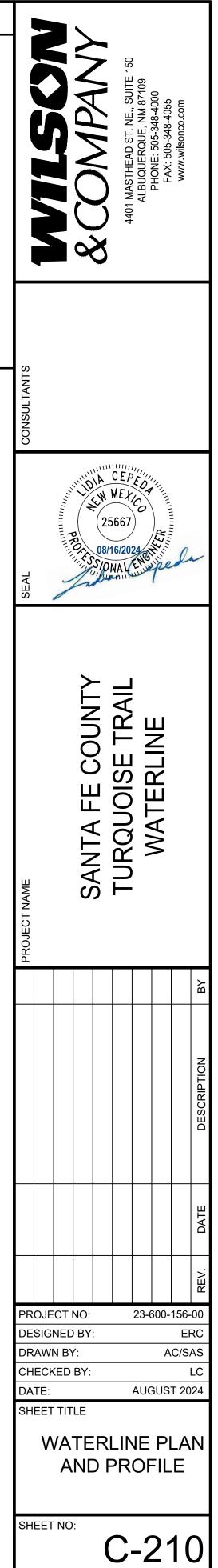
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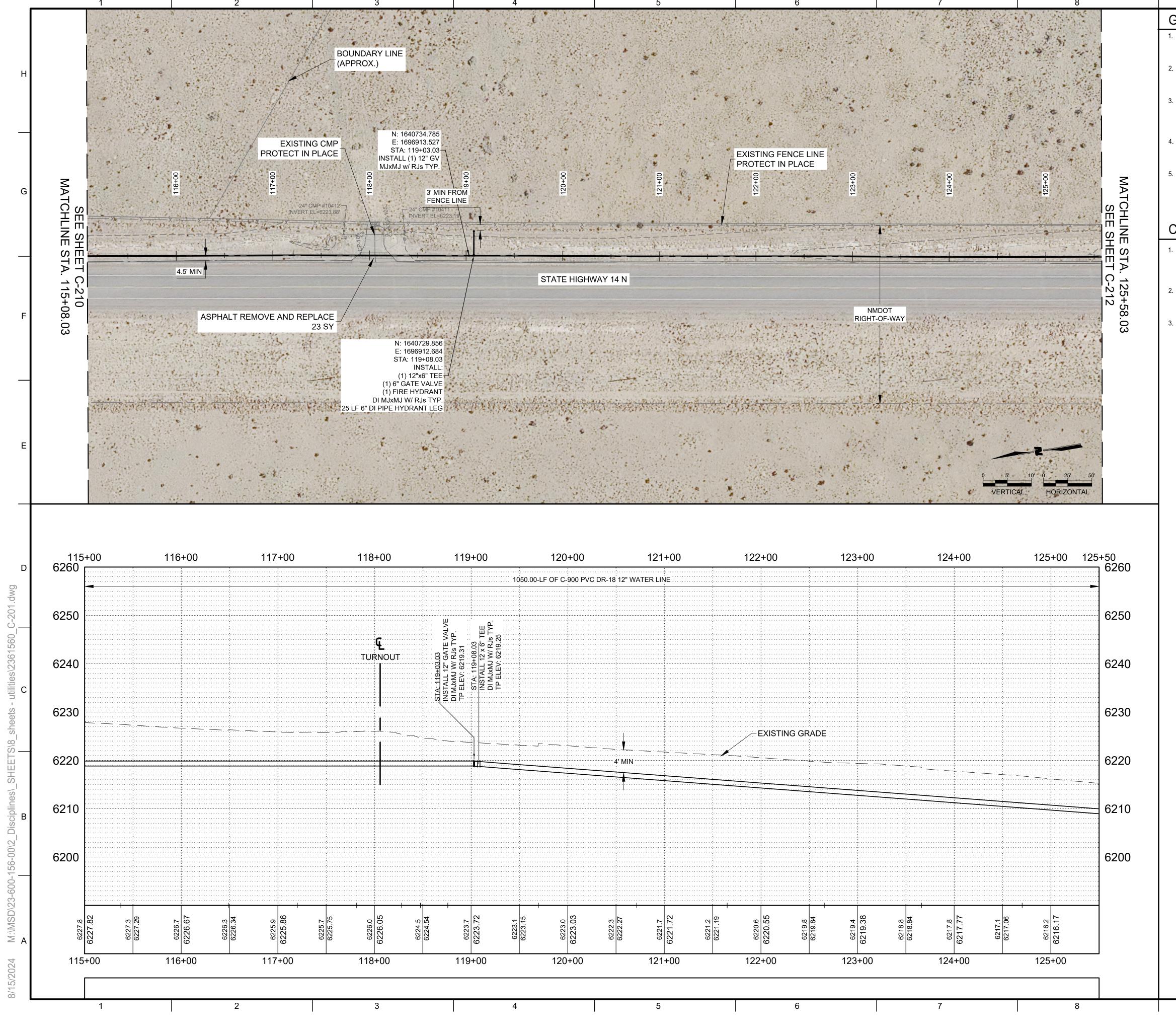
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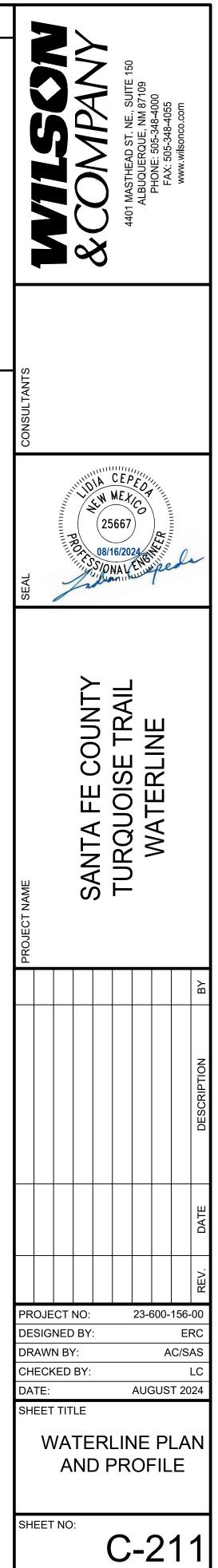
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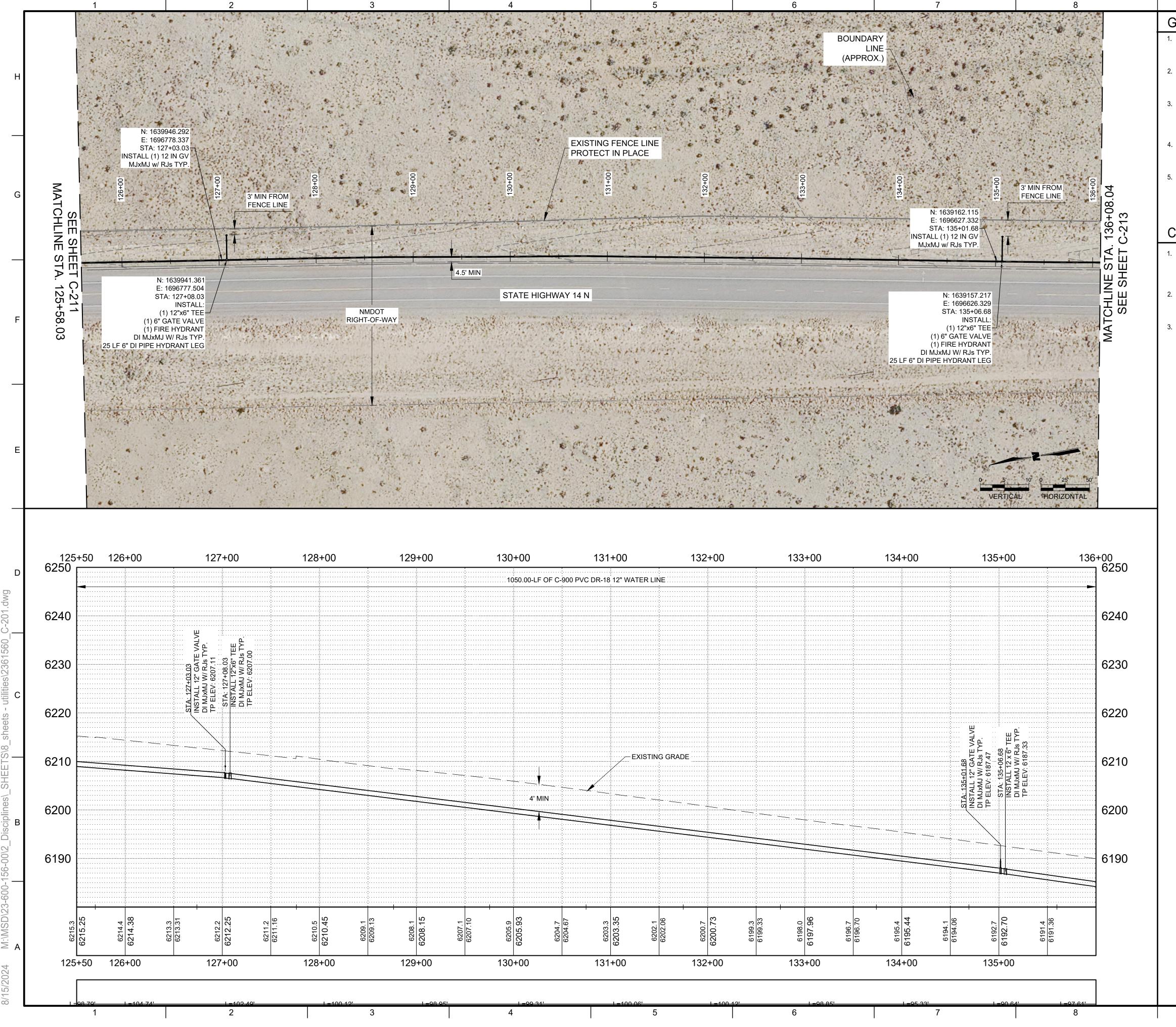
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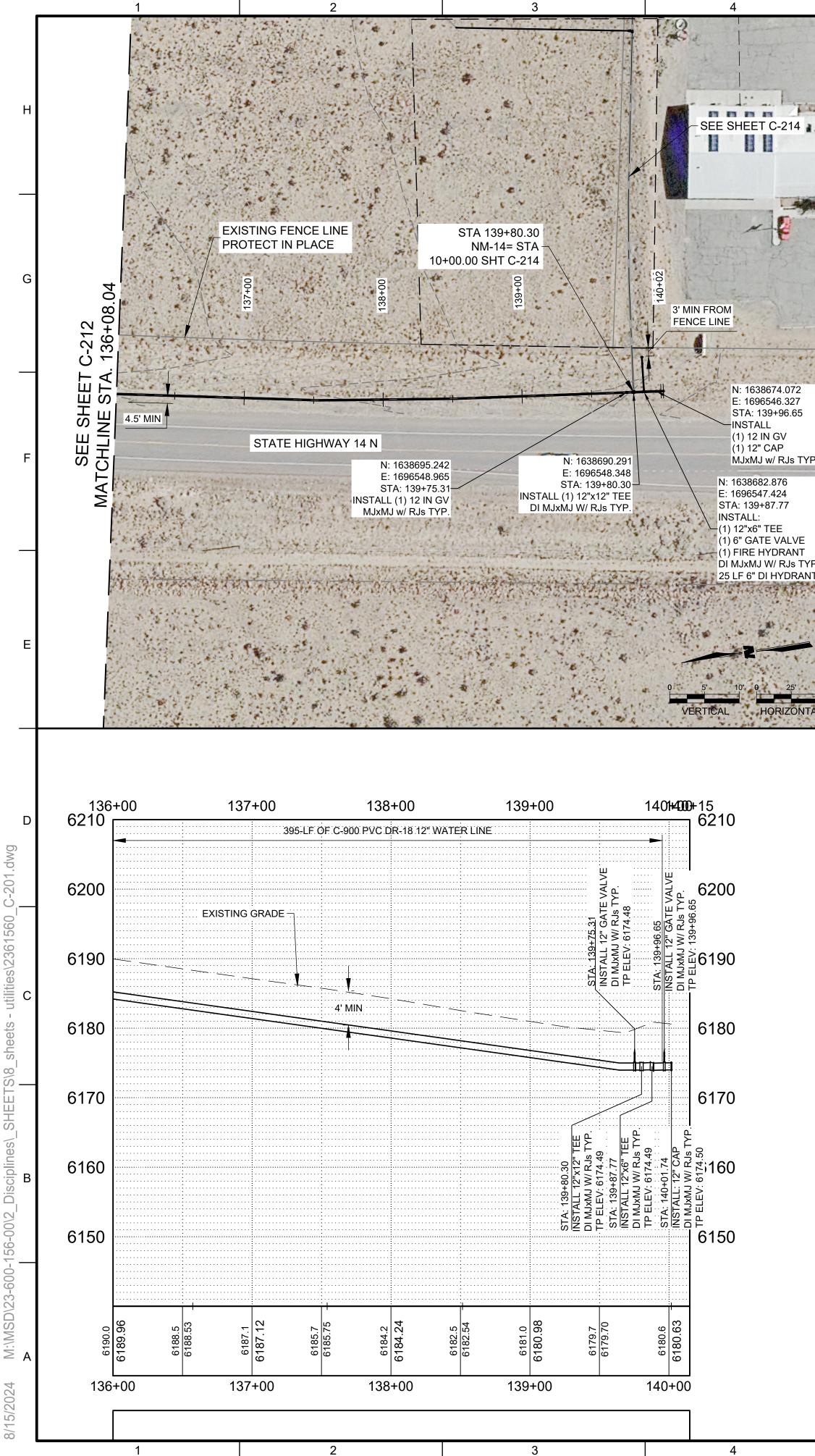
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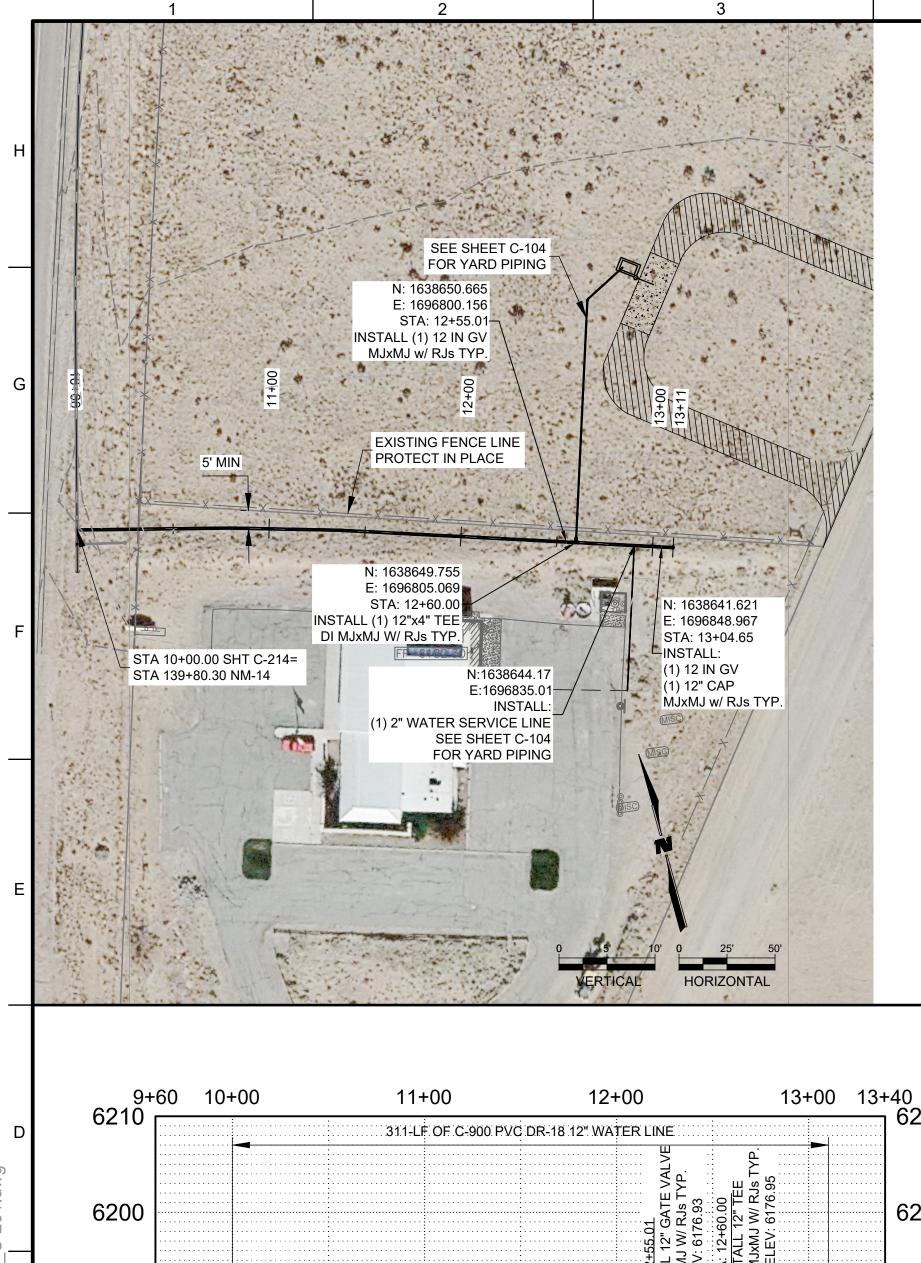
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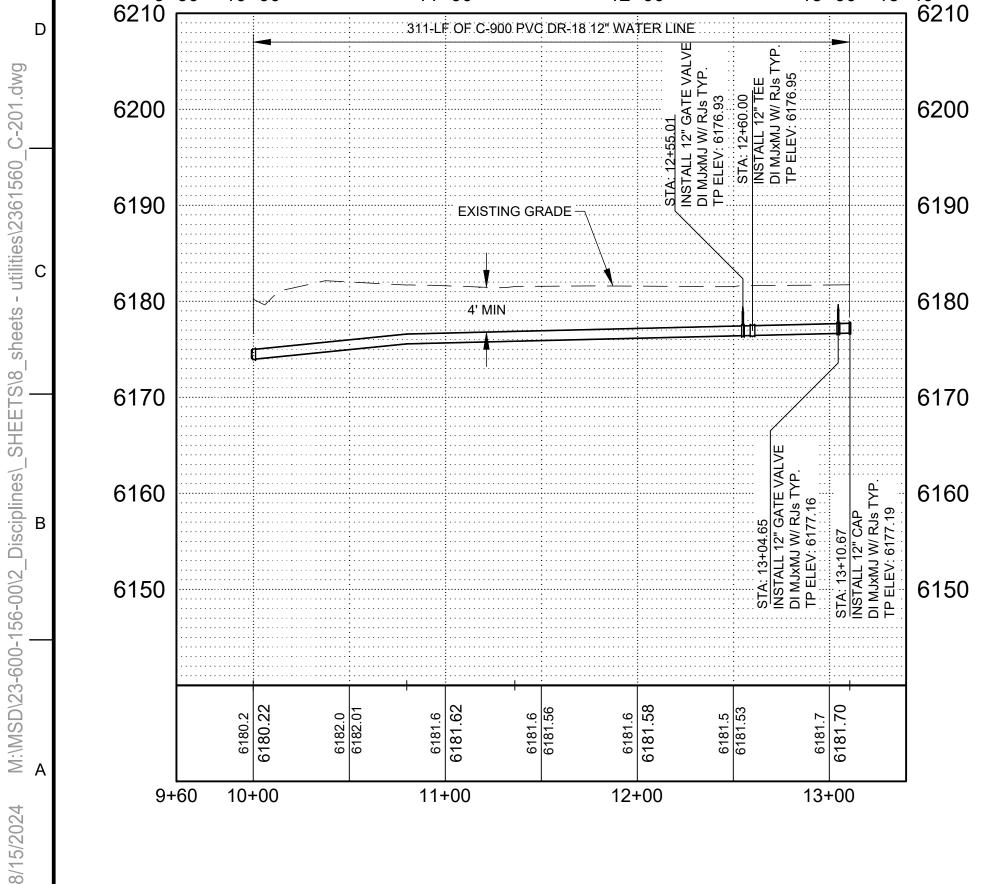
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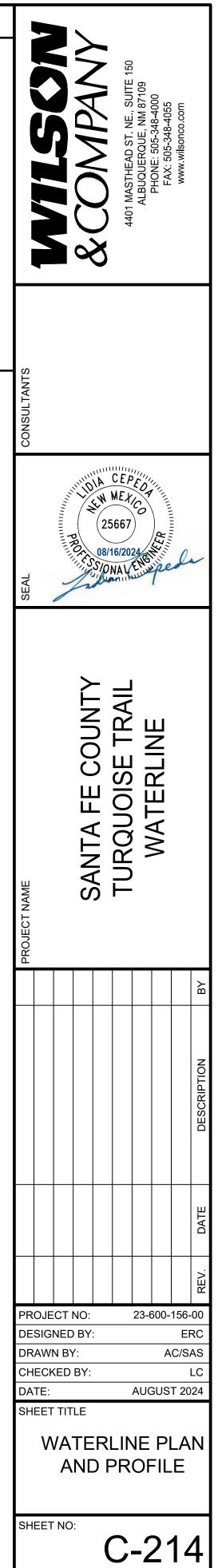
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				V	VATER L	INE PRESSURE PIP	PE RESTRAINED J		ENG	TH REG	UIREME	ENTS-TH	IS PROJ		ILY		
							TEST PRES		-								
					LENGT	HS OF PIPE TO BE R	RESTRAINED (APPLI	ES TO (FEE		RAPPED	DUCTIL	E IRON /	AND PVC	, ONLY)	(2)		
						FITTING TYPE						VERTIC	AL BEND			RE	DUC
						TEE	TEE	DEA	_	4	5°		22 1/2°	11	1/4°		F
	PIPE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	RESTRAINED LENGTH ALONG 4"-12" BRANCH	RESTRAINED LENGTH ALONG MAIN LINE	END (	DR E	UPPER BEND	LOWER BEND	UPPER BEND	LOWER BEND	UPPER BEND	LOWER BEND	SIZE	L
4"	SIZE							29'				RESTRAINT				12"x4"	
4"	(3)	13'	6'	3'	2'	1'	5'	76'	(1)	15'	6'	7'	3'	4'	2'	12"x6"	
12" 6"	(3)	33'	14'	7'	4'	54'	5'		(1)	39' 12'	14' 6'	19'	7' 3'	10' 3'	4'		
Ľ	(4)	14'	6'	3'	2'	OVIDED ON BOTH SIDES OF	5'	22'		12	0	6'	5	3	2'		
ALL CON	JUNCTIO	VALVES ON WITH	, FITTIN "MEGA	IGS, AND / -LUG" PIP	PE BELL-HA	IANCES SHALL BE MECH RNESS RESTRAINTS WH	IEN ADEQUATE RESTRA	AINED LI	ENGTH	CAN BE (	OBTAINED	. IN THE E	VENT ADE	QUATE			
CON RES THE	IJUNCTIO TRAINED EBAA IR	ON WITH D LENGT ON "RES	"MEGA HS CAN STRAINE	-LÚG" PIP INOT BE C ED LENGT	PE BELL-HA OBTAINED, I'H CALCUL	RNESS RESTRAINTS WH CONTRACTOR SHALL IM ATION" PROGRAM (VERS	IEN ADEQUATE RESTRA IMEDIATELY CONTACT   SION 5.4) HAS BEEN USI	AINED LI ENGINE	ENGTH ER FOR	CAN BE ( R DETERM	OBTAINED	. IN THE E	VENT ADE PRIATE AC	QUATE TION TO E			
ABO	OVE. THE	FOLLO	WING G	ENERAL /	ASSUMPTIC	ONS APPLY TO ALL CALC	CULATIONS:										
SOIL	NCH TYF _ TYPE _ ETY FAC			S	(ACTUAL 1 C (CLAYEY .5 TO 1	RENCH TYPE SHALL BE ' SANDS)	PER DETAILS FOR THIS	S PROJE	CT.)								
	ICAL BUI THROUC			R PIPE	DEPTH	AS REQUIRED											
	ICAL BUI THROUC					<u>'S</u> : D TOP OF UPPER BRANC D TOP OF LOWER BRANC											
		R MAY S															
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SOIL		ESULTS OR'S SOL	AND AF	PROPRIA	ATE CALCU			N. SOIL	TESTIN	NG AND C	CALCULAT	NOTES: THRUST CA Y UNLESS CIAL" SITU COUNTY UT SIZE GREA GN BY ENO TA FE COU	DNTROL BY DIRECTED BY ATIONS SP LITIES. ATER THAN GINEER TO NTY UTILIT CKING PER	RESTRAIN TRESTRAIN TECIFIED B ECIFIED B ES FOR A SEC. 101 @ 28 DA	T NED JOINTS ER, AND FO Y THE SANT EQUIRES TTED TO TH NPROVAL. EXTERIOR (S.	DR TA IE	
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<u>PLAN</u>

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NOTE:

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NOT TO SCALE

2'-0"

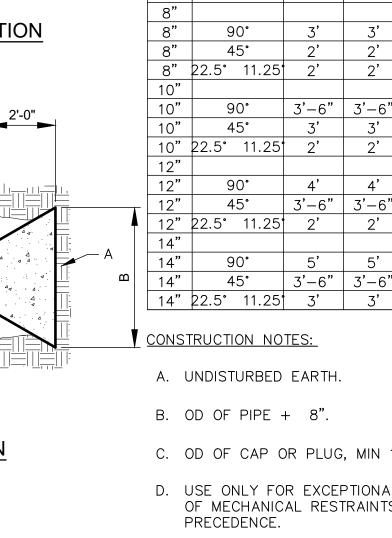
PLAN

USE CONCRETE THRUST BLOCK ONLY UPON APPROVAL OF THE ENGINEER AND OWNER.

CONCRETE BLOCKING

3

2'-0"



<u>PLAN</u>

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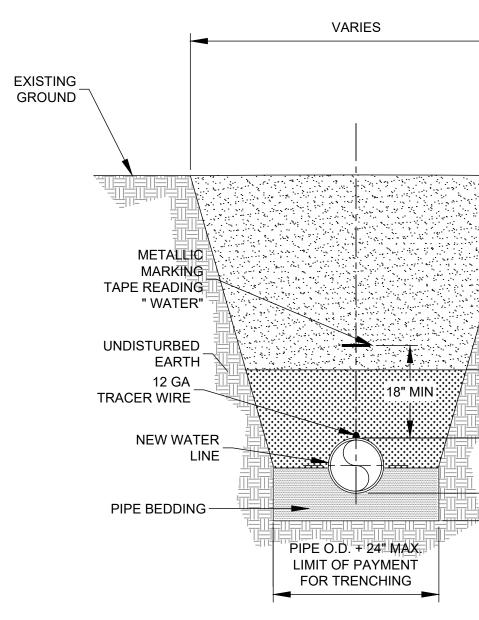
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EIE, T	c=3000	psi @ 28		
BOW IGLE	ELBOW (B) DIM.	ELBOW (A) DIM.	TEE OR PLUG (B) DIM	TEE OR PLUG (H) DIM.
			(B) DIM. 2'	1'
45°	2'	2'		
11.25	2' 2'	2' 2'		
			2'	2'
45°	2' 2'	2' 2'		
11.25	2'	2'		
			3'	3'
90°	3' 2' 2'	3' 2' 2'		
15°	2'	2'		
11.25	2'	2'		
			3'	3'
90°	3'-6" 3' 2'	3'-6" 3' 2'		
15°	3'	3'		
11.25	2'	2'		
			3'-6"	3'-6"
90°	4'	4'		
15°	3'-6"	3'-6"		
11.25	4' 3'-6" 2'	4' 3'-6" 2'		
			4'	4'
90°	5'	5'		
45°	5' 3'-6"	5' 3'-6"		
11 25	ł z'		1	

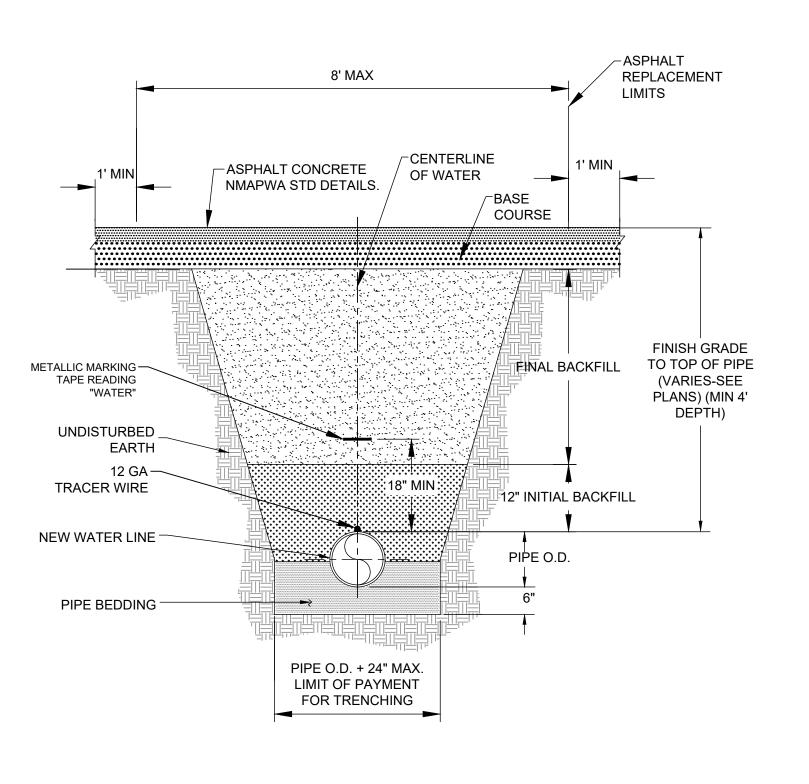
C. OD OF CAP OR PLUG, MIN 12"x12".

D. USE ONLY FOR EXCEPTIONAL SITUATIONS, USE OF MECHANICAL RESTRAINTS TAKES

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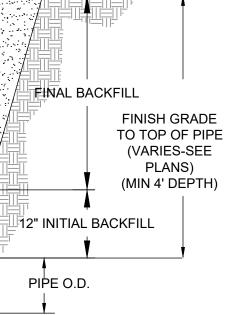




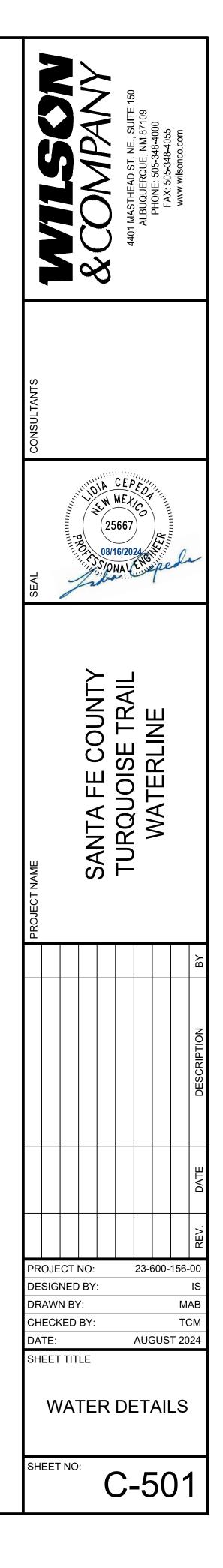
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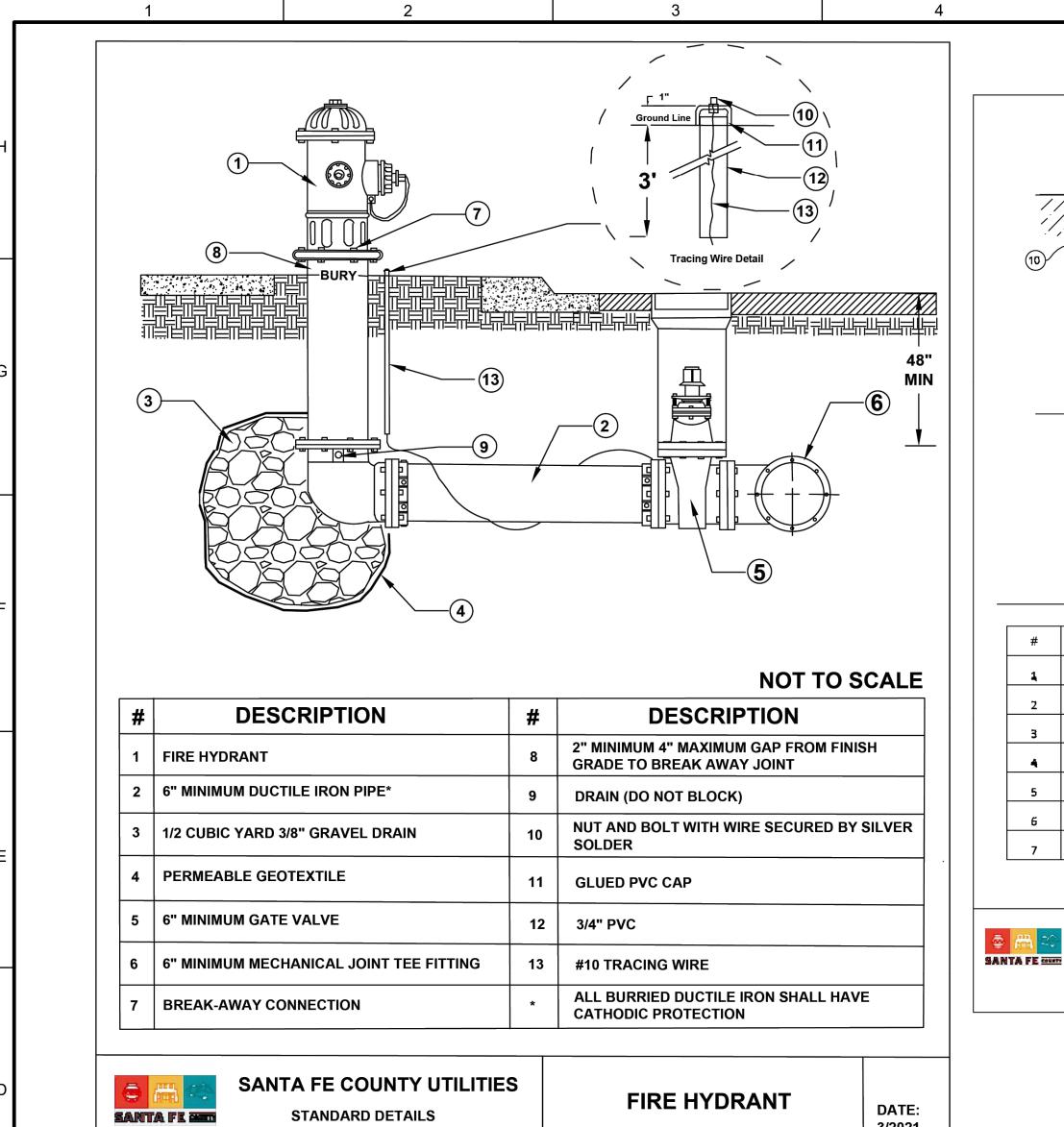
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6"





STANDARD DETAILS

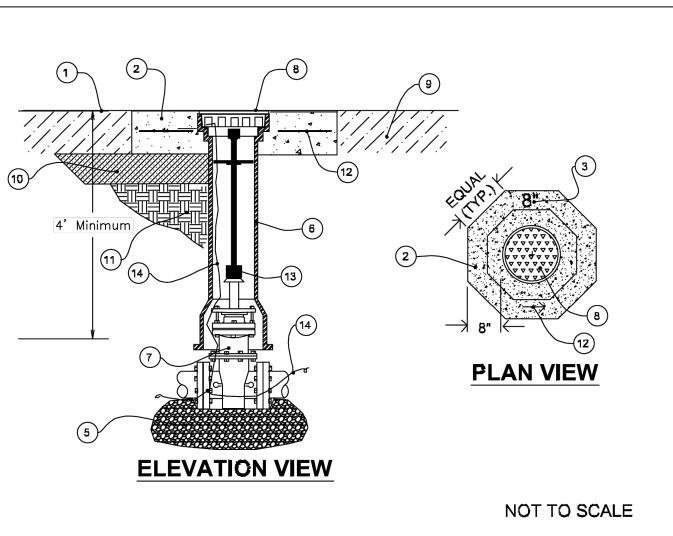
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DESCRIPTION	#	DESCRIPTION
FINISH STREET GRADE	8	VALVE BOX LID
8" MIN DĘPTH - 3000 PSI CONCRĘTĘ PAD	9	PAVEMENT
STAMPĘD LINĘ SIZĘ (2 SIZĘS IF RĘDUCING)	10	SUBGRADĘ
STAMPED ARROW INDICATING ISOLATION DIRECTION(?)	11	COMPACTED BACKFILL
98% COMPACTED BACK FILL 12" MINIMUM DEPTH	<b>1</b> 2	#4 REBAR
5-1/4 SCRĘWTYPĘ ADJUSTABLĘ VALVĘ BOX	13	EXTENSION BAR IF NECESSARY
GATĘ VALVĘ	14	#12 TRACING WIRE

SANTA FE COUNTY UTILITIES
STANDARD DETAILS

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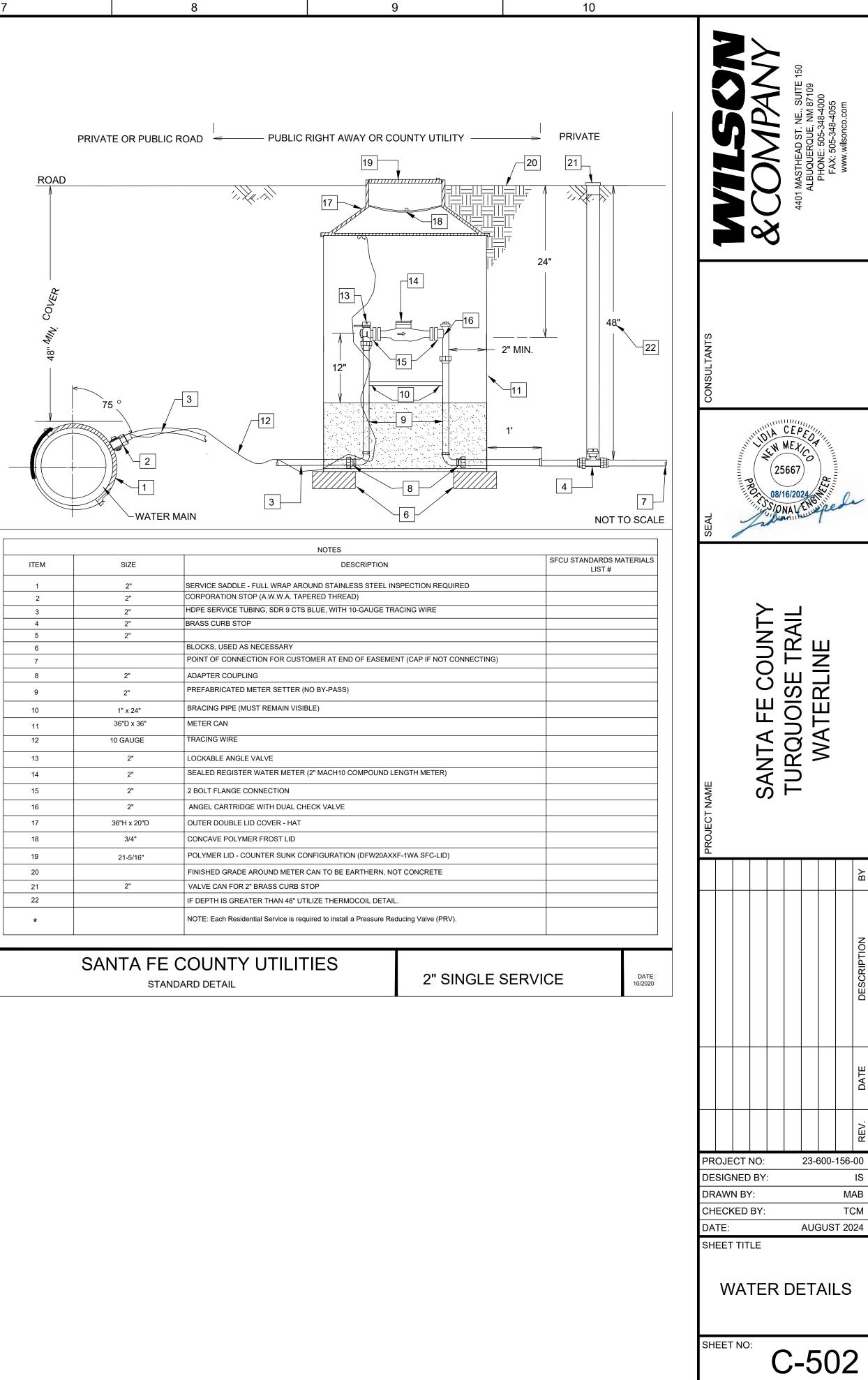
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3/2021

VALVE & VALVE BOX	<b>DATE:</b>
INSTALLATION	12/17/2020



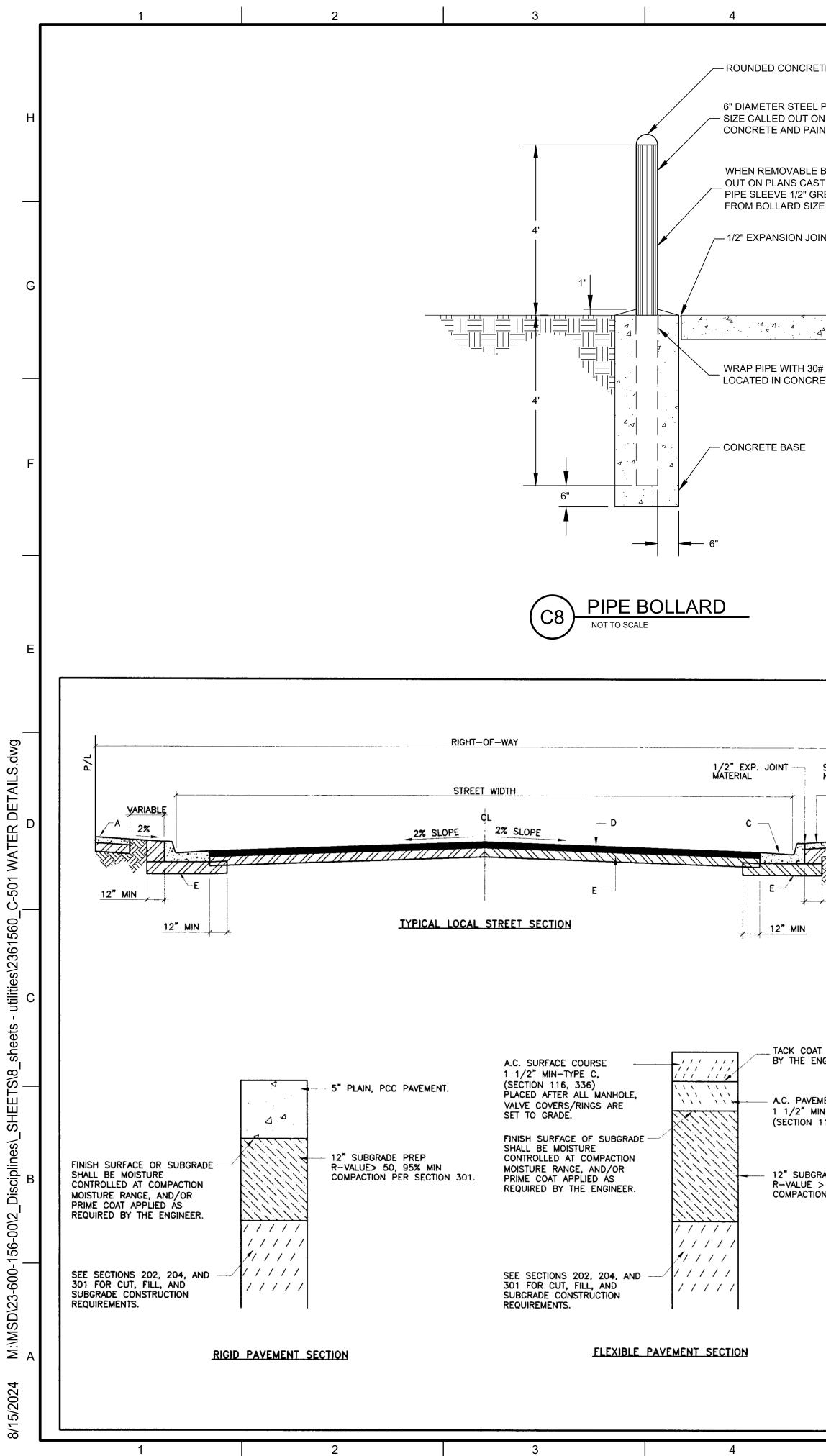
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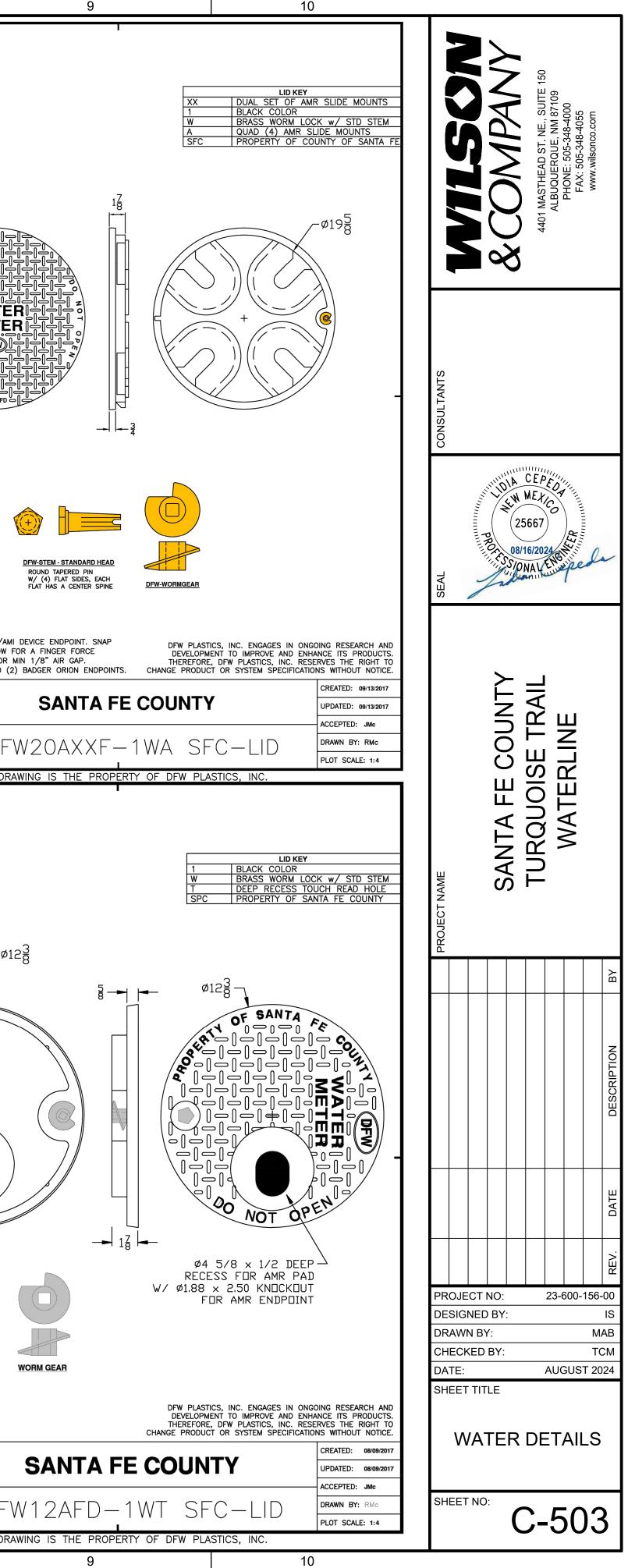
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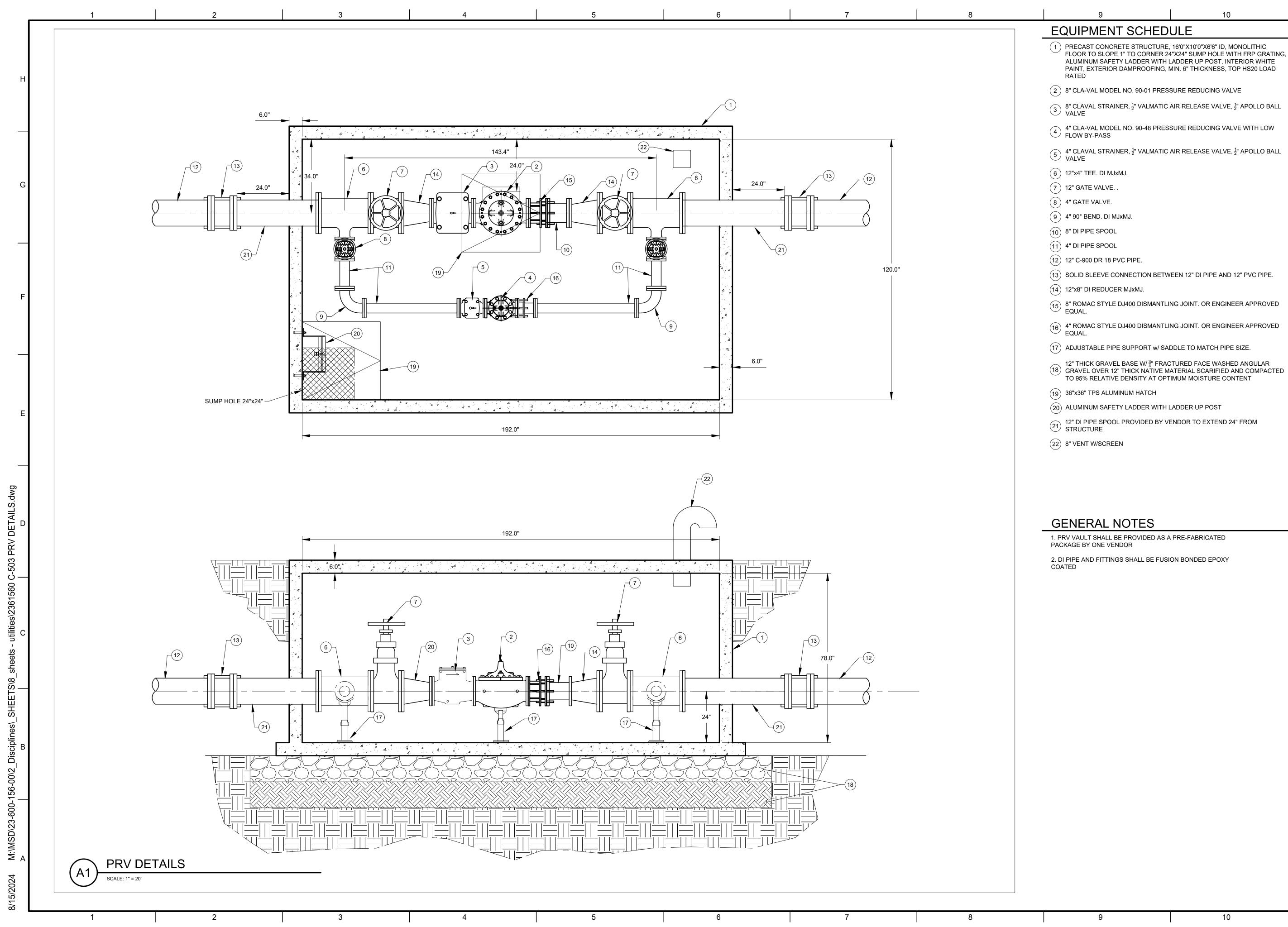
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RETE CAP								
EL PIPE UNLESS OTHER ON PLANS, FILL WITH AINT SAFETY YELLOW								
E BOLLARD CALLED AST IN SCH 80 PVC GREATER IN DIA.								
IZE OINT MATERIAL							AT 0	
							ø21 <u>5</u> #11 #11	
44 4							A A A A A A A A A A A A A A A A A A A	
30# FELT IF CRETE							-	✓ ☐ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
								Y
							NOTES 1) DIM'S ± 1/8" U.N.O. 2) LID MATERIAL: HDPE 3) AMR SLIDE MOUNT WILL LOCK SLOT IS 1.80" ± .	RECEIVE AMR/AMI [
							4) EACH AMR SLIDE MOUNT	IS 15/16" FOR MI
	GENER	AL NOTES:					DFW PLASTICS, INC. PO BOX 648 BEDFORD, TEXAS 76095 (817) 439-3600	DFV
l	1. CROWN ON STREET a. 32' STREET ≠ b. 40' STREET ≠	SHALL BE AS FOL 3" 5"					(817) 439–3700 (f) www.dfwplasticsinc.com	THIS DRAW
SEE NOTE 4	<ul> <li>c. LESS THAN 32'</li> <li>2. ALL SUBGRADE COM 12" MIN ON EITHER SECTION.</li> </ul>	STREET, PAVEMEN IPACTION FOR C & SIDE OF C & G	G SHALL EXTEND					
— B VARIABLE 27	3. SUBGRADE PREPARA PADS SHALL BE INC	IDENTAL TO ITEM.						
	<ol> <li>FINISH GRADE AT PI A MIN 2% SLOPE FI</li> <li>ALL ASPHALT CONCI</li> </ol>	ROM TOP OF CUR	3.					
12" MIN	WITH SECTION 116. 6. ALL PORTLAND CEMI SHALL COMPLY WITH	ENT CONCRETE (PO SECTION 101.	CC) PAVEMENT				Ø10 <u>11</u>	ø12
	<ul> <li>THE FOLLOWING APF UNLESS AUTHORIZED ENGINEER:</li> <li>RESIDENTIAL STRE SHALL BE DESIGN</li> <li>RESIDENTIAL STRE</li> </ul>	) OTHERWISE BY T EETS SERVING 50 IED AS LOCAL RES	LOTS OR LESS GIDENTIAL STREETS.					
	LOTS WITH AN AN BE DESIGNED AS B. FOR SUBGRADE R-N	ITICIPATED AWDT < MAJOR LOCAL STI /ALUE < 50, PAVE	3000 SHALL REETS.					
DAT AS REQUIRED ENGINEER.	SHALL BE DESIGNED 9. SUBGRADE PREPARA ALL SUBSURFACE U	TION SHALL BE PE	ERFORMED AFTER TRUCTED.					+
/EMENT COURSE MIN-TYPE C, 1116, 336)								
GRADE PREP	<u>CONSTRU</u> *A. SIDEWALK AT STAN	CTION NOTES:						
E > 50. 95% MIN TION PER SECTION 301.	*B. SIDEWALK ADJACEN VARIANCE REQUIRE	IT TO CURB. (NON	-STANDARD,					
	*C. STANDARD CURB A D. ASPHALT CONCRET PAVEMENT.		AND CEMENT (PCC)				<b>DFW PIN - STANDAF</b> ROUND TAPERED W/ (4) FLAT SIDI EA FLAT HAS A (	PIN a
	E. 12" COMPACTED S	UBGRADE PREP, 9	5% COMPACTION.				<u>NOTES</u>	
							1) DIM'S ± 1/8" U.N.O. 2) LID MATERIAL: HDPE	
	REVISIONS 1/91 12/15/92		APWA VING RESIDENTIAL				DFW PLASTICS, INC. PO BOX 648 BEDFORD, TEXAS 76095	DFW
	8/29/94 5		T SECTION FEB. 2006	   	7	I	(817) 439-3600 (817) 439-3700 (f) www.dfwplasticsinc.com	
I	J	I	v	Ι	ı	I	U	I







- 12" THICK GRAVEL BASE W/ $\frac{3}{4}$ " FRACTURED FACE WASHED ANGULAR

,				VINDANCO.S		4401 MASTHEAD ST NF SUITE 150	ALBUQUERQUE, NM 87109	PHONE: 505-348-4000 FAX: 505-348-4055	www.wilsonco.com	
	CONSULTANTS									
	SEAL		Thomas Printer 1	1000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25 08/1 5/01	CEF MEX 6667	ED CO	A THER AND A THE	J	2
	PROJECT NAME			SANTA FE COLINITY				WAIEKLINE		
										ВΥ
										DESCRIPTION
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	СН	ECk TE:					AUC	GUS	т	СМ
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	SH	EET	NO	:	(	2	_{	5(	)2	4

	1 2	3
<u>CONS</u> 1	TRUCTION TRAFFIC CONTROL GENERAL NOTES CONTRACTOR MUST OBTAIN FROM NMDoT OR SANTA FE COUNTY AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE STATE OR COUNTY RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.	
2	CONTRACTOR SHALL, AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY NMDoT AND SIERRA COUNTY A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.	
3	THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.	
4	CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY NMDoT AND SANTA FE COUNTY.	
5	NMDoT AND SANTA FE COUNTY SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.	
6	ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF NMDoT AND SANTA FE COUNTY, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.	
7	THE CONSTRUCTION TRAFFIC CONTROL INITIAL SETUP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.	
8	CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.	
9	ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.	
10	ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY NMDoT AND SANTA FE COUNTY PER MUTCD SECTION 6A-4.	
11	CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF NMD $_{0}$ T AND SANTA FE COUNTY.	
12	CONTRACTOR IS RESPONSIBLE TO PROVIDE OWNER DPW, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.	
13	EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF NMDoT AND SANTA FE COUNTY.	
14	CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.	
15	CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.	
16	CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.	
17	CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF NMDoT AND SANTA FE COUNTY. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.	
18	ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE NMDoT AND SANTA FE COUNTY. NMDoT AND SANTA FE COUNTY SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.	*
19	24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.	
20 21	ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY NMDOT AND SANTA FE COUNTY.	
21	OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.	
22	<ul> <li>CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:</li> <li>A) STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.</li> <li>B) THE NMDoT TRAFFIC CODE, LATEST EDITION.</li> <li>C) ALL SECTIONS OF THE NMDoT AND SANTA COUNTY STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.</li> </ul>	_
23	FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY NMDOT AND SANTA FE COUNTY.	
24	ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.	C
25	TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.	
26	ADVANCE WARNING SIGNS SHALL BE $36$ "x $36$ " WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.	NO

#### **RECOMMENDED ADVANCE WARNING SIGN** MINIMUM SPACING (TABLE 6C-1)

ROAD TYPE	DISTANCE BETWEEN SIGNS					
RUAD I IPE	A**	B **	C **			
URBAN (LOW SPEED)*	100 FEET	100 FEET	100 FEET			
URBAN (HIGH SPEED)*	350 FEET	350 FEET	350 FEET			
RURAL	500 FEET	500 FEET	500 FEET			
EXPRESSWAY / FREEWAY	1000 FEET	1500 FEET	2640 FEET			

PEED CATEGORY TO BE DETERMINED BY HIGHWAY AGENCY

HE COLUMN HEADINGS, A, B, AND C ARE THE DIMENSIONS SHOW IN IGURES 6H-1 THROUGH 6H-46 (MUTCD, 2009 EDITION). THE A IMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF ESTRICTION TO THE FIRST SIGN. THE **B** DIMENSION IS THE STANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C IMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD IGNS. (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES HAT IS CLOSEST TO THE TTC ZONE. THE "THIRD SIGN" IS THE SIGN HAT IS FURTHEST UPSTREAM FROM THE TTC ZONE.)

#### TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES (TABLE 6C-3)

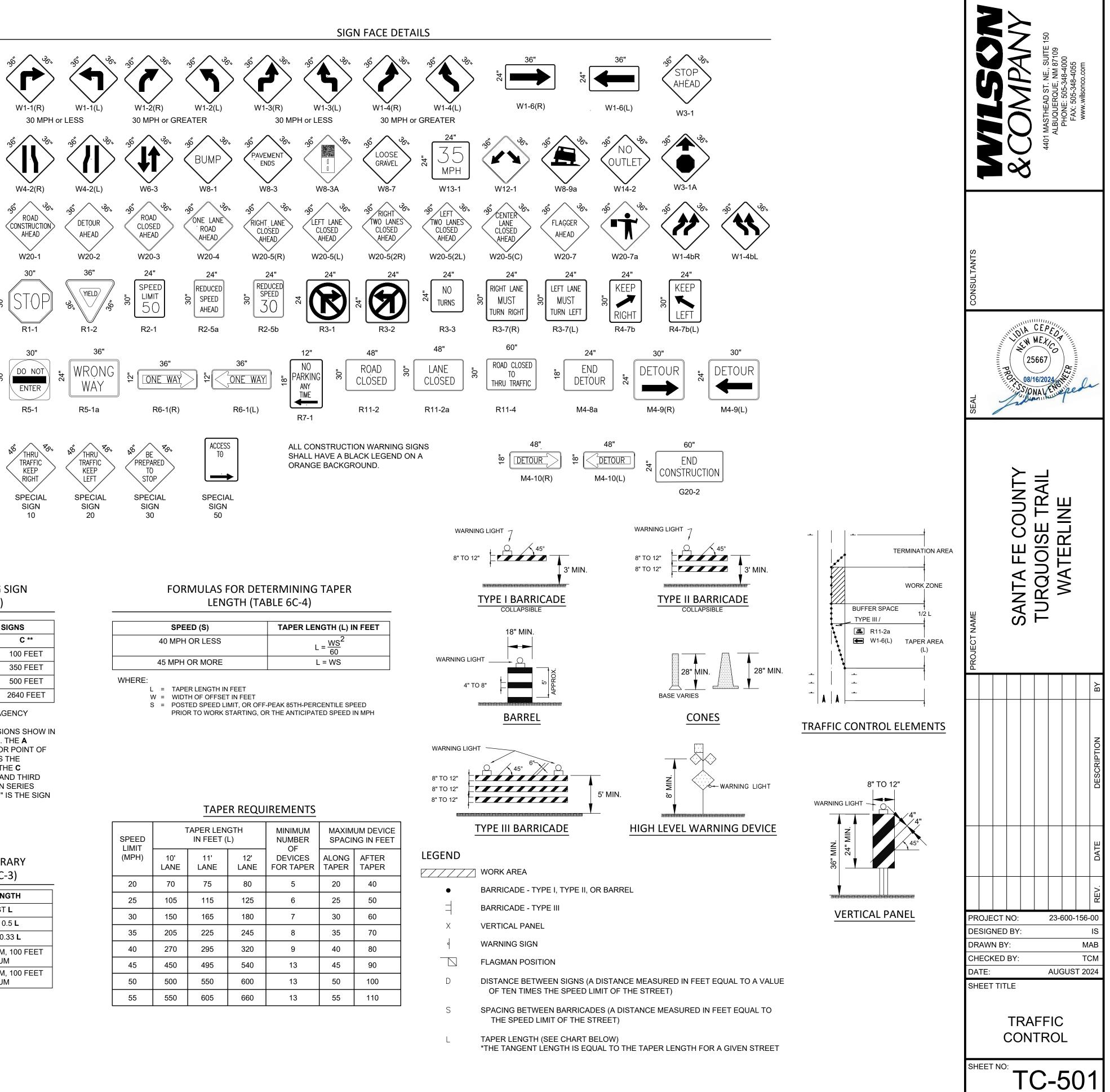
TYPE OF TAPER	TAPER LENGTH
MERGING TAPER	AT LEAST <b>L</b>
SHIFTING TAPER	AT LEAST 0.5 L
SHOULDER TAPER	AT LEAST 0.33 <b>L</b>
ONE-LANE, TWO-WAY TRAFFIC TAPER	50 FEET MINIMUM, 100 FEET MAXIMUM
DOWNSTREAM TAPER	50 FEET MINIMUM, 100 FEET MAXIMUM

JSE TABLE 6C-4 TO CALCULATE L

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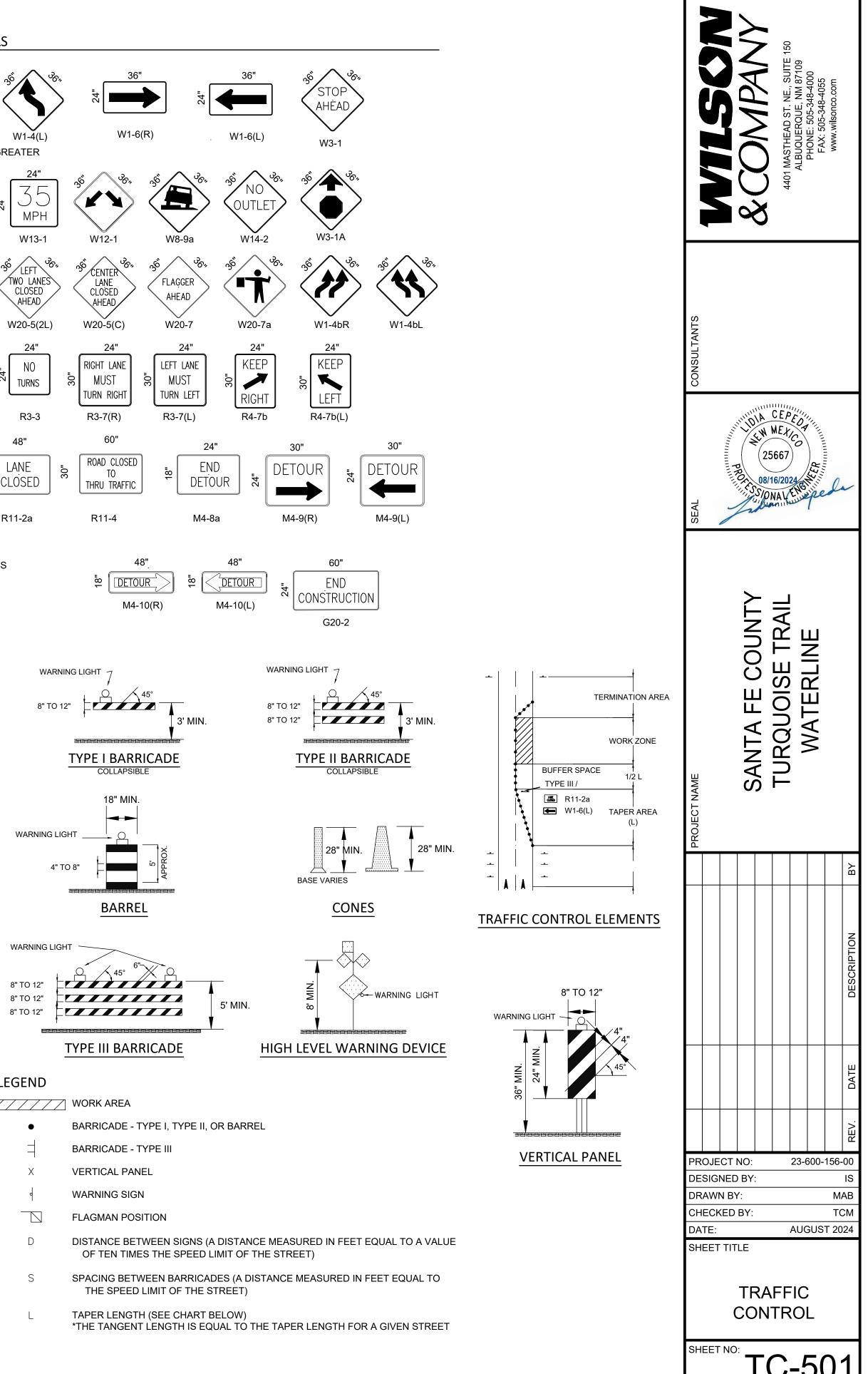




40 MPH OR LESS $L = \frac{WS^2}{60}$	IN FEET
45 MPH OR MORE L = WS	

TAPER REQUIREMENTS
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SPEED LIMIT	٢	APER LEN IN FEET (		MINIMUM NUMBER OF	MAXIMUM DEVICE SPACING IN FEET		
(MPH)	10' LANE	11' LANE	12' LANE	DEVICES FOR TAPER	ALONG TAPER	AFTER TAPER	
20	70	75	80	5	20	40	
25	105	115         125           165         180		6	25	50	
30	150			7	30	60	
35	205	225	245	8	35	70	
40	270	295         320           495         540		9	40	80	
45	450			13	45	90	
50	500	550	600	13	50	100	
55	550	605	660	13	55	110	

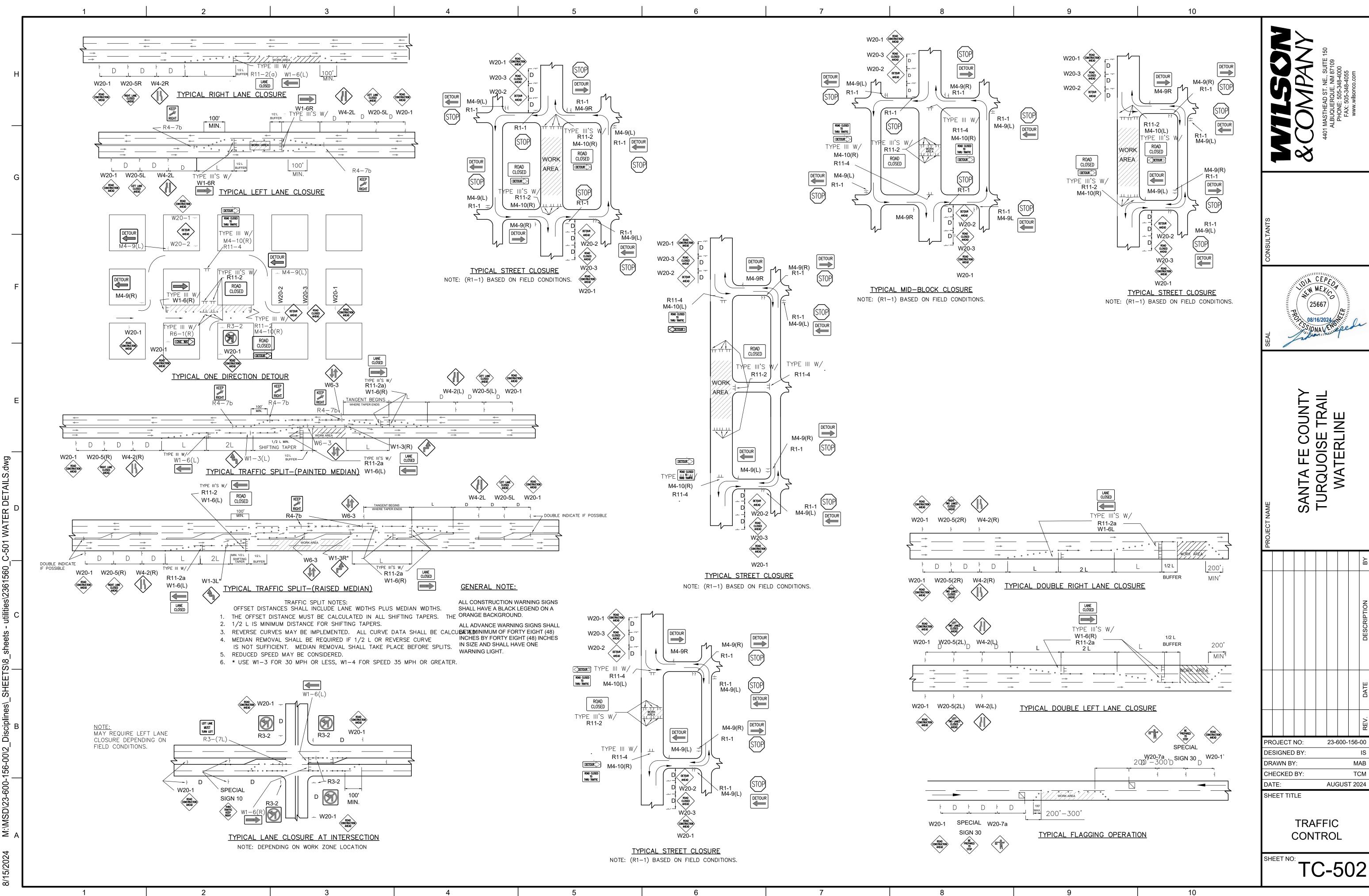


LEGEND	

////	WORK AREA
•	BARRICADE - TYPE I, TYPE II, OR BARREL
$\exists$	BARRICADE - TYPE III
Х	VERTICAL PANEL
q	WARNING SIGN
	FLAGMAN POSITION
D	DISTANCE BETWEEN SIGNS (A DISTANCE MEASU OF TEN TIMES THE SPEED LIMIT OF THE STREE
S	SPACING BETWEEN BARRICADES (A DISTANCE M THE SPEED LIMIT OF THE STREET)
L	TAPER LENGTH (SEE CHART BELOW) *THE TANGENT LENGTH IS EQUAL TO THE TAPER

6







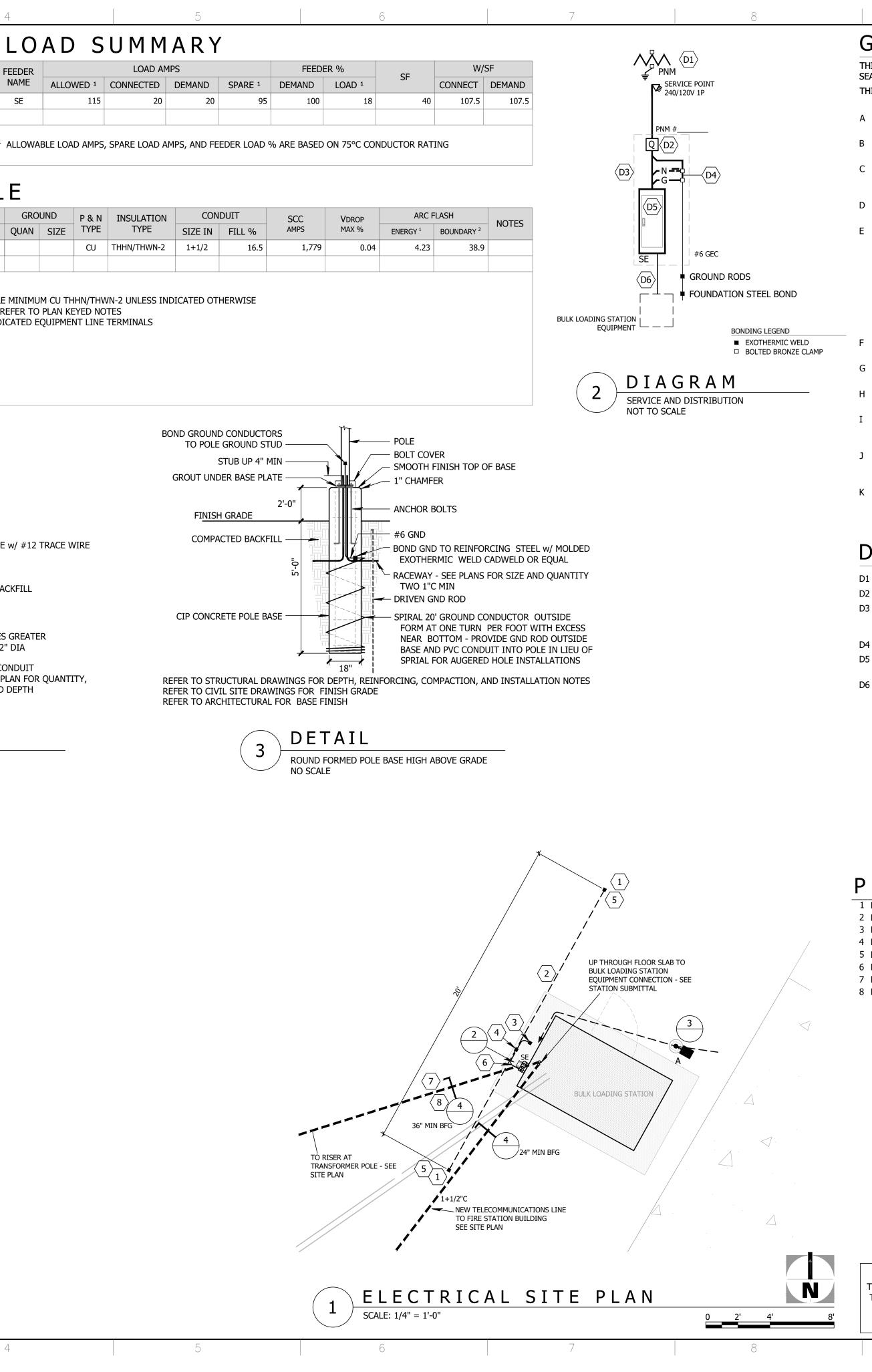
	1		2			3					4
ABBRE	VIATIONS										LOA
AFF ABOVE F AFG ABOVE F AFI ARC FLA AHJ AUTHOR JURISD AIC AMPS IN	COUNTER or IATING CURRENT FINISH FLOOR FINISH GRADE ISH INTERRUPT RITY HAVING ICTION ITERRUPTING CAPACITY	MCC MOTOR MCM THOUS	NG JM ONDING JUMPER CONTROL CENTER AND CIRCULAR MILS ISTRIBUTION CENTER HALIDE IM								FEEDER NAME SE ALLOWAB
BFG BELOW C CONDUI	IG AUTOMATION SYSTEM FINISH GRADE T	MTD MOUNT NC NORMA NEC NATION	ed Lly closed I electrical code		EE				IED		E
CB CIRCUIT CCT CIRCUIT CLG CEILING CU COPPER DN DOWN DWG DRAWIN			LLY OPEN • SCALE		FEEDER NAME	CONDUIT COUNT	PHA QUAN	SE SIZE	NEUTRA QUAN S	AL SIZE	GROUI
EGC EQP GRO ELE ELECTRI EMT ELECTRI EQP EQUIPM EXT EXTERIO FLEX FLEXIBL FLU FLUORE FSD FIRE-SM FT FEET	DUNDING CONDUCTOR ICAL ECAL METALLIC TUBING ENT DR E CONDUIT SCENT	P PHASE, PB PULL BO PNL PANEL PPC POLYES PROV PROVIS PVC POLYVI RCP RECEPT RTE REQUES SE SERVIC	Pole DX Board Ter Powder Coat Ion Nyl Chloride Acle	-	SPARE CO FAULT CL <sup>1</sup> cal/cm <sup>2</sup>	SIZES ARE I NDUITS ARI IRRENT (SCC at 18-INCHE	e not incl () and arc S	UDED IN FLASH CA	1 DUCTOR SIZ THIS SCHED ALCULATED A	ULE - F	REFER TO P
GND GROUNE GA GAUGE GEC GND ELE GFI GND FAU GRC GALVAN HID HIGH IN HOA HAND-O HP HORSEP	) ECTRODE CONDUCTOR JLT INTERRUPT IZED RIGID CONDUIT TENSITY DISCHARGE FF-AUTO	SPEC SPECIF SQ SQUAR S/S STAINL TEB TELEPH TEL TELEPH	CATIONS ESS STEEL ONE EQUIPMENT BOARD ONE ONE TERMINAL BOARD SION L		NUMBEREI 1 EXISTI	FROM ARC A D NOTES NG FEEDER TED GROUNE					
IN INCH INC INCAND INT INTERIO ISP INTERNI IUC IN-USE ( JB JUNCTIC MIL THOUSA KV KILOVOI (VA KILOVOI KW KILOWA	ESCENT PR ET SERVICE PROVIDER COVER DN BOX ND CIRCULAR MILS _T _T-AMPERE	UL UNDER UTR UP THR V VOLT VAV VARIAE	NRITER'S LABORATORIES OUGH ROOF LE AIR VOLUME LE FREQUENCY DRIVE UT ERPROOF		H			FI	NISH GRADE	-   -   -   -   -	E w/ #12 Tf
					DEPTH	<b>12</b>			TH	stones Ian 1/2	S GREATER
ELECT	RICAL SYMBC	DLS				4 4					Plan for ( ) Depth
	SHEET KEYNOTE IDE						SEC	TIC	) N		
SH SH	DETAIL/DIAGRAM IDI	ENTIFIER				4	BURIED C		NOT ENCASI	ED)	
GROUI NEUTR PHASE	CIRCUITING	RACEWAY (NOT B	ELOW SLAB)								
	<ul> <li>EXPOSED CONDUIT</li> <li>FLEXIBLE CONDUIT</li> </ul>										
	UNDERGROUND OR E     EXISTING CIRCUIT TO		T RACEWAY								
D	EXISTING CIRCUIT TO RACEWAY DROP (DO										
0	RACEWAY RISE (UP)										
	GROUND ROD AND E										
	WALL SURFACE MTD										
A1	TROFFER LUMINAIRE										
LUMINAIRE S E1	CHEDULE KEY CEILING MOUNTED E ING INDICATES FACES	XIT LUMINAIRE									
	S INDICATE DIRECTIONAL FACE CHEVROI										
S	D WALL BOX DIM K KEY OPERATED M OCCUPANCY SE		RONOMIC								
~	V VACANCY SENS	UN									

GROUND

4

- DUPLEX RCP +18 MOUNTING HEIGHT INCHES AFF TO OUTLET CENTER
- 6 CIRCUIT IDENTIFIER IUC IN-USE WEATHERPROOF COVER
- WP WEATHER-PROOF COVER
- WR WEATHER RESISTANT LISTED GFCI

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THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS SEALED, SIGNED, AND DATED THIS PLOT MAY NOT BE FULL SIZE - ADJUST SCALE ACCORDINGLY

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PROJECT NO:

DESIGNED BY:

DRAWN BY:

DATE:

CHECKED BY

SHEET TITLE

SHEET NO:

ELECTRICAL

DIAGRAMS,

DETAILS, AND

SCHEDULES

E501

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- A THE FOLLOWING NOTES APPLY TO ALL ELECTRICAL WORK INCLUDED IN THE CONTRACT UNLESS NOTED OTHERWISE
- B THE WORD PROVIDE SHALL MEAN TO FURNISH AND INSTALL EXCEPTIONS SHALL BE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS
- C DO NOT SCALE THE DRAWINGS TO DETERMINE THE LOCATION OF LUMINAIRES, OUTLETS, OR EQUIPMENT - REFER TO THE ARCHITECTURAL DRAWINGS AND FIELD MEASUREMENTS FOR ALL PROJECT DIMENSIONS
- D ALL ELECTRICAL WORK SHALL COMPLY WITH 2020 NEC, CURRENT ADOPTED NEW MEXICO ELECTRICAL CODE, AND UTILITY REQUIREMENTS AND STANDARDS E WHENEVER MATERIALS OR EQUIPMENT ARE SPECIFIED OR DESCRIBED IN THE
- DRAWINGS OR SPECIFICATIONS BY REFERENCE STANDARD OR PERFORMANCE STANDARD, THE CONTRACTOR MAY SELECT ANY PRODUCT MEETING THIS STANDARD BY ANY MANUFACTURER - WHENEVER MATERIALS OR EQUIPMENT ARE SPECIFIED OR DESCRIBED IN THE DRAWINGS OR SPECIFICATIONS BY LISTING TWO OR MORE PRODUCTS OR MANUFACTURERS AS BEING EQUALLY ACCEPTABLE, THE CONTRACTOR SHALL SELECT FROM THE GIVEN MANUFACTURERS AND PRODUCTS - WHENEVER MATERIALS OR EQUIPMENT ARE SPECIFIED OR DESCRIBED IN THE DRAWINGS OR SPECIFICATIONS BY LISTING ONE PRODUCT OR MANUFACTURER, THE CONTRACTOR SHALL PROVIDE THE GIVEN MANUFACTURER AND PRODUCT
- F WORKING CLEARANCE: PROVIDE WORKING CLEARANCE AS REOUIRED BY NEC ARTICLE 110
- G DEDICATED SPACE: PROVIDE DEDICATED SPACE FOR ELECTRICAL EQUIPMENT AS REQUIRED BY NEC ARTICLE 110
- H EXPOSED, CONCEALED, AND BURIED RACEWAY ARE SHOWN BY DRAWING LINE TYPE REFER TO THE ELECTRICAL SYMBOL LEGEND FOR LINE TYPE DEFINITIONS
- I BRANCH CIRCUIT CONDUCTORS WITH A CIRCUIT LENGTH FROM THE OVERCURENT PROTECTION DEVICE GREATER THAN 100-FT SHALL BE SIZED NOT TO EXCEED 2.0% VOLTAGE DROP TO THE LOAD CENTER
- J PANEL BOARDS, CABINETS, AND ELECTRICAL EQUIPMENT ARE SHOWN ON THE DRAWINGS WITH THE IDENTIFYING TEXT ON THE FRONT SIDE - THE EOUIPMENT FRONT IS TOWARD THE IDENTIFYING TEXT
- K ALL CIRCUITS SHALL HAVE DEDICATED (UNSHARED) NEUTRAL CONDUCTORS UNLESS MULTI-POLE CIRCUIT BREAKERS ARE SHOWN FOR THE CIRCUITS IN THE PANEL BOARD SCHEDULES

# DIAGRAM KEY NOTES

- D1 NEW POLE-MOUNT UTILITY TRANSFORMER (PNM)
- D2 NEW UTILITY METER REF. PNM ESG MS-2-9.0
- D3 PROVIDE NEMA 3R 120/240V 3W+G 200A OH/UG 22-kAIC SURFACE-MOUNT LEVER BYPASS COMBINATION SERVICE EQUIPMENT DEVICE EQUAL TO SQ-D #4120-RC816F200SL
- D4 PROVIDE MAIN N-G BOND INSIDE SERVICE EQUIPMENT
- D5 REFER TO SCHEDULES FOR MAIN AND BRANCH CIRCUIT BREAKERS AND LOAD INFORMATION
- D6 PROVIDE 3#10 & #10G 1"C TO LOADING STATION EQUIPMENT SEE LOADING STATION SUBMITTAL

# PLAN KEY NOTES

1 DRIVEN GND ROD w/ TOP 12" BELOW FINISH GRADE 2 PROVIDE #4/0 AWG STRANDED BARE CU CONDUCTOR 12" BELOW FINISH GRADE 3 BOND GND TO FOUNDATION FOOTING STEEL

- 4 BOND GND ELECTRODE CONDUCTOR TO LOOP CONDUCTOR 5 BOND TO THE TOP OF EACH ROD
- 6 PROVIDE #6 AWG SOLID BARE CU GROUNDING ELECTRODE CONDUCTOR
- 7 PROVIDE GRC POLE RISER w/ WEATHERHEAD PER UTILITY COMPANY REQUIREMENTS AND 8 PROVIDE TRENCH AND BACKFILL PER UTILITY REQUIREMENTS TO RISER POLE BASE

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONSTRUCTION CONTRACT SPECIFICALLY PROVIDES FOR A PAYMENT LATER THAN TWENETY-ONE DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT. THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

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1									1
2									2
3									3
4									4
5									5
6									6

### LUMINAIRE SCHEDULE

KEY	DESCRIPTION	MANUFACT
Α	LUMINAIRE: SINGLE, CUT-OFF, IES TYPE 2 DISTRIBUTION, ONE-PIECE DIE-CAST ALUMINUM HOUSING, CLEAR LENS, EXTRUDED SILICONE HOUSING GASKET, 6" DIE-CAST ALUMINUM ARM, S/S HARDWARE, THERMOSET POLYESTER POWDER PAINT FINISH, 4000°K, - 40°F RATED DRIVER, 20 kA SURGE PROTECTION, IP66 RATED, UL1598, 5-YEAR LED AND DRIVER WARRANTY POLE: 25-FT 7.0" x 3.5" DIA ROUND TAPERED STEEL, 11-GA MIN WALL THICKNESS, 13.0 EPA MIN AT 100-MPH STEADY, 2-PIECE GALV STEEL MATCHING BOLT COVER, STEEL MATCHING POLE CAP, 4-1"x36" GALVANIZED ANCHOR BOLTS, 10.0" BOLT CIRCLE, 20" MIN BASE DIA, DRILLED 1 @ 90°	LUMINAIRE: BEACON / VP-Micro-2- NLS / NV2-T2-96L-7-4 POLE: AMERICAN LIGHT POL SBC NLS / RTSP-25-11G-12
FINISH CUSTOM LUMINA DIMMIN	ARE LED UNLESS NOTED OTHERWISE - LAMP COD COLORS ARE WHITE UNLESS NOTED OTHERWISE	- Colors Shall be sel Al prior to Bid/order Nic 100-1% dim-to-off

NUMBERED NOTES:

1 PROVIDE HIGH-MOUNT PIR MOTION & LIGHT SENSOR AND CONTROL MODULE WITH ON/OFF RELAY AND WIRELESS (BLUETOOTH V4.1) SETUP PROGRAMMING UTILIZING FREE APP FOR ANDROID SMART DEVICE - CURRENT LTG #NXSMP-HMO-BK & #NXFM2-1R2D-O-UNV PROGRAM TO ACTIVATE ONLY BY MOTION SENSOR WHEN AMBIENT IS DARK

# PANEL

	VOLTAGE (L-L):	240
	PHASE:	1
	WIRE:	3
	MOUNTING:	SU
	MANUFACTURER:	
	OPTIONS:	А
	TOP:	
	BOTTOM:	
	LOAD	
YPE	DESCRIPTION	k
IP	BULK LOAD STATION	2
" IP		2
G	POLE LIGHTS	0
u	FOLL LIGHTS	0
DAD	SUMMARY	
	Phase A:	
	Phase C:	
	THIS SECTION:	
	Phase A:	
	FildSe A.	
	Phase C:	
	SUB-FEED & FEED-THROUGH:	
	Phase A:	
	Phase C:	
	BUS TOTAL:	
	Demand Imbalance % A:	
	C:	
	Demand Imbalance %	

TURER / CATALOG NO.	LUMENS	WATTS	FINISH	VOLTS	NOTES	
2-320L210-4K8-2-UNV-A4-BLT 40K8-UNV-DPS6-BLK-RPA4-FSP20 DLE / RTS-25-70-11-AB-PCBL-DM19- L2BC-SGL-BLK-136	30,000	216	BLACK		1	

TRIC UNLESS NOTED OTHERWISE

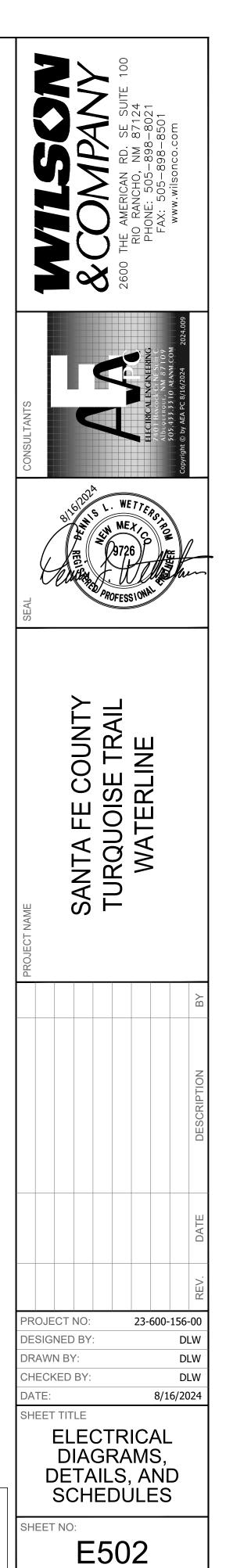
ELECTED FROM MANUFACTURER'S STANDARD DURING SUBMITTAL REVIEW UNLESS NOTED

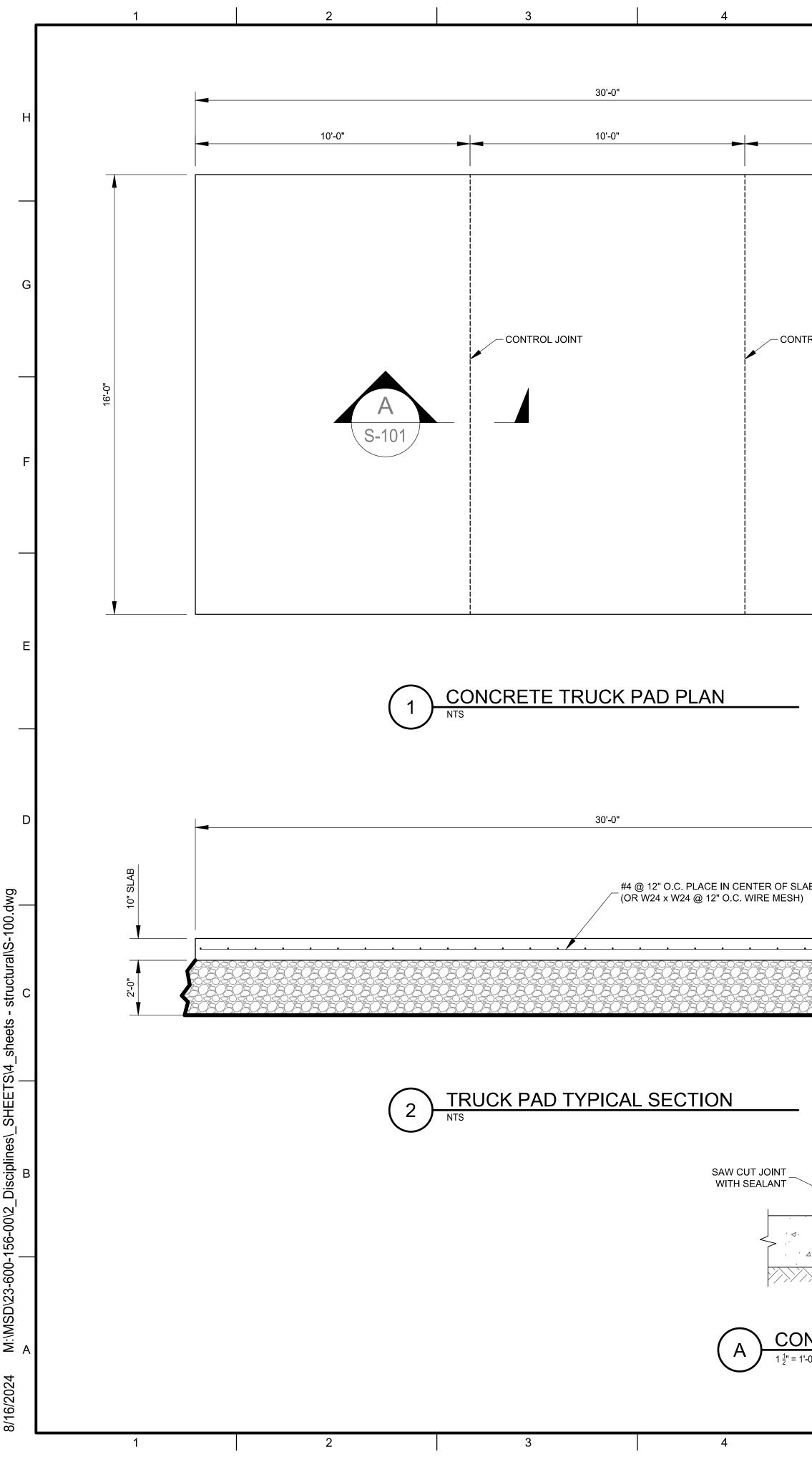
VERS 120-277V, SINGLE CIRCUIT UNLESS NOTED OTHERWISE LUMENS LISTED ARE MINIMUM DELIVERED AND WATTS ARE MAXIMUM PER IESNA LM-79-08 BY INDEPENDENT TESTING LAB PHOTOMETRIC REPORT

E	3 (	) A	R		)	S	С	HE	ΞI	DULE	
40 URFAC	Έ						S RAT	ION, Ar	nps: nps: nps:	200 100	
CB						MAIN RT CCT FAULT I	I BON RATI	d Jumi Ng (Sc	PER: CR):	22,000	
	ш	СВ	ССТ		ССТ	CB		IN I ACI	UR.	LOAD	
k W	NOTE	SIZE	#	Φ	#	SIZE	NOTE	k W		DESCRIPTION	TYPE
2.0		30 1	1	A	2						
2.0		2P J	3	С	4						
0.4		20	5	А	6						
		20	7	С	8						
			<u> </u>								
			<u> </u>								
kW					N	otes				Options	
K VV	2	A - AFI	i arcin	na fai		errupter	r			A - NEMA 12/3R enclosure	
	_			-		ontactor				B - NEMA 12 enclosure	
	2		-	-	-	uit brea				C - Door-in-door front	
	4	G - GF	I grou	und f	ault ir	nterrupt	er			D - Hinged front	
	K - Kirk key interloc									E - Top and bottom box ext	ensions
L - Handle LOCK-OFF/							N			F - 400 Hz rating	
N - New CB in existing					-	•		-		G - Isolated ground bus	
	R - Replace existing S - Switched neutra					B with h	iew Ci	5		H - 100% rating J - NEMA 4X enclosure	
		T - 120								K - Internal SPD	
	2					ted SWD	)			L - User metering (mains)	
	_	X - Rel		-	-					M - User metering (branch o	circuits)
	2	Z - 100								N - Stainless Steel enclosure	
	4				C	onnected		Der	nand	Demand Dema	
2.49			Ligh	tina		kW 0			<u>kW</u>	<u> </u>	nps
2.7.	J	Re	cepta	-		0			U	100	
-2.3	%		•	ther		4			4	100	
2.49	6		Т	otal		4			4	100	21

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONSTRUCTION CONTRACT SPECIFICALLY PROVIDES FOR A PAYMENT LATER THAN TWENETY-ONE DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT. THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

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5	6	7	8	}	
	GENE	RAL NOTES:		CON	CRETE C
	1.	ALL WORK SHALL BE IN ACCO DRAWINGS AND THE PROJEC	ORDANCE WITH THESE DESIG		ENGINEE
10'-0"	2.	THE CONTRACTOR SHALL VE DIMENSIONS INCLUDED IN TH REPORT DISCREPANCIES TO TO APPROVAL OF FABRICATI	HE DESIGN DRAWINGS AND THE DESIGN ENGINEER PRIC	)R	OF DELET SHALL FC A-2-4 AS I SHALL BE AASHTO I
	3.	FABRICATE AND CONSTRUC THESE DRAWINGS, THE PRO RELEVANT BUILDING CODES CRITERIA. MAKE NO MODIFIC ENGINEER'S WRITTEN APPRO	JECT SPECIFICATIONS, AND LISTED UNDER DESIGN ATIONS WITHOUT THE	2.	REINFOR DEFORME REINFOR CONCRET
	4.	ALL ELEVATIONS AND DIMEN	SIONS PROVIDED IN THE		STRENGT MEET THE DESCRIBE
NTROL JOINT	5.	DO NOT SCALE THE DRAWING		4.	STANDAR
	6.	IF A DISCREPANCY IS FOUND DOCUMENTS, IMMEDIATELY WRITING TO THE ENGINEER DETERMINATION AND WRITT	SUBMIT THE MATTER IN WHO WILL MAKE A	5.	318-18 TA WATER R ADMIXTU CHEMICA
	7.	WHEN INSTALLING PROPRIE CONTRACTOR MUST READ A RECOMMENDATIONS FOR PR METHOD, AND INSPECTION.	ND FOLLOW MANUFACTURER	<b>č'</b> S	ASTM C 1 ADMIXTUI FURNACE ASTM C 9 CONFORM
	8.	SUBSTITUTIONS OF MATERIA PROHIBITED WITHOUT THE V ENGINEER.		6.	CLEAR CO MIN. FOR 3-INCHES OTHERWI
3/4" CHAMFER AT ALL EXTERIOR	9.	THE EXPECTATIONS THAT TH		A	ALL CONC STANDAR CONCRET STRUCTU
EDGES OF SLAB (TYP)	10.	WHEN DISCREPANCIES EXIS	T BETWEEN THE DESIGN IONS, THE DESIGN DRAWINGS	8. S 9.	CONCRET NMDOT S
	11.	COORDINATED WITH THE CIN AND ANY OTHER PROJECT D DISCREPANCIES EXIT BETWE DRAWINGS AND THE CIVIL, E DRAWINGS OR DESIGN DRAW	/IL, MECHANICAL, ELECTRICA RAWINGS. WHEN EEN THE STRUCTURAL DESIG LECTRICAL OR MECHANICAL VINGS OF OTHER TRADES, TH	N 10. IE	COMPLY 906. AT A PER DAY, CONCRET STANDAR THE CON
	12.	STRUCTURAL DESIGN DRAW USE THE FOLLOWING MATER OTHERWISE NOTED:			90° FAHRI CONCREI FAHRENH
LAB. I)		NUTS	ASTM F1554 Gr 55 (Fy = 55 KS ASTM A563 ASTM F436	I)	AFTER PL ACCELER IS CURED METHOD.
	DESIC	GN AND FABRICATION CR		12.	MAINTAIN WATER E TO MAINT
	1.	STRUCTURAL DESIGN IS BAS	ED ON:	13.	CONCRET
		INTERNATIONAL BUILDING C	DDE (IBC 2018)		FLOAT FIN 511.3.9.4.
ENGINEERED FILL SUBGRADE		ASCE 7-22 - MINIMUM DESIG ASSOCIATED CRITERIA FOR STRUCTURES.		14.	REMOVE TEXTURE
		ACI 318-14 BUILDING CODE R STRUCTURAL CONCRETE.	EQUIREMENTS FOR		MEMBRAN COMPLY
* ₩ 1/4"		ACI 360-06 DESIGN OF SLABS	-ON-GROUND	15.	THE CON SEALANT
		THE CONCRETE TRUCK PAD HL-93 LOADING PER AASHTO SPECIFICATIONS, 8TH EDITIC	LRFD BRIDGE DESIGN	16	NMDOT S AND RESI JOINT FIL
	2.	DESIGN LOADS:	, <b></b>	10.	OR ASTM
		LIVE LOAD ON TRUCK SLAB: WIND VELOCITY: GROUND SNOW LOAD: SESMIC DESIGN CATEGORY:	32 KIP AXLE LOAD 104 MPH 32 PSF ASD D	17.	GROUT S FLOWABL COMPRES CONFORM INSTALLA
<u>DNTROL JOINT</u> <sup>1'-0"</sup>					RECOMM SUBMITTE

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#### CONSTRUCTION:

ERED SUB-GRADE SHALL BE SELECT BACKFILL FREE ETERIOUS MATERIALS. SELECT BACKFILL MATERIALS FOLLOW AASHTO SOIL CLASSIFICATIONS A-1, A-1 OR S DETERMINED BY AASHTO M145. SELECT BACKFILL BE COMPACTED TO 95% MAXIMUM DRY DENSITY, O DESIGNATION T-180.

ORCING STEEL SHALL BE ASTM A-615, GRADE 60 MED BARS (fy = 60,000 psi). TACK WELDING OF ORCING SHALL NOT BE PERMITTED.

RETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE GTH OF 4000 PSI (f'c 4000 PSI). ALL CONCRETE SHALL THE SULFATE EXPOSURE RESISTANCE REQUIREMENTS IBED AS ALKALI-SILICA REACTIVITY IN NMDOT ARD SPECIFICATIONS SECTION 509.2.4.4.

NCRETE SHALL BE AIR ENTRAINED. REFERENCE ACI TABLE 19.3.3.1, EXPOSURE CLASS F3.

R REDUCING, RETARDING, AND ACCELERATING TURES SHALL CONFORM TO THE SPECIFICATION FOR CAL ADMIXTURES OF CONCRETE PER ASTM C 494 OR C 1017. FLY ASH OR OTHER PAZZOLANS USED AS TURES SHALL CONFORM TO ASTM C 618. BLAST CE SLAG USED AS AN ADMIXTURE SHALL CONFORM TO C 989. SILICA FUME USED AS AN ADMIXTURE SHALL ORM TO ASTM C 240.

COVER TO STEEL REINFORCING SHALL BE 2-INCHES OR ALL CONCRETE CAST AGAINST FORMWORK AND ES MIN. FOR CONCRETE CAST AGAINST EARTH UNLESS WISE NOTED.

NCRETE MATERIALS SHALL CONFORM TO NMDOT ARD SPECIFICATION SECTION 510, "PORTLAND CEMENT RETE" AND PROVISIONS OF SECTION 511 FOR CONCRETE TURES.

ETE SAMPLING AND TESTING SHALL COMPLY WITH STANDARD SPECIFICATION SECTION 510.3.4.3.

REQUENCY OF CONCRETE ACCEPTANCE TESTING SHALL Y WITH NMDOT STANDARD SPECIFICATION SECTION A MINIMUM CONCRETE TEST SHALL BE TAKEN ONCE Y, PER MIX DESIGN.

RETE FORM-WORK SHALL COMPLY WITH NMDOT ARD SPECIFICATION SECTION 511.3.3.

ONTRACTOR SHALL KEEP CONCRETE BETWEEN 50° AND RENHEIT AT THE TIME OF PLACEMENT. CURING RETE SHALL BE MAINTAINED AT A TEMPERATURE OF 50° NHEIT AND KEPT IN A MOIST CONDITION FOR 7 DAYS PLACEMENT, UNLESS AN ENGINEER APPROVED ERATED CURING ADMIXTURE IS USED, OR IF CONCRETE ED BY AN ENGINEERED APPROVED ALTERNATIVE PD.

AIN CONCRETE TEMPERATURES BELOW 95°F AND LIMIT & EVAPORATION RATES TO LESS THAN 0.2 LB / FT<sup>2</sup> / HR NTAIN CONCRETE STRENGTHS.

RETE SLABS EXPOSED SHALL RECEIVE A CLASS 3 FINISH, FINISH, PER NMDOT STANDARD SPECIFICATION .4. A FINE BRUSH OR BROOM FINISH SHALL BE USED TO /E SURFACE FILM AND PRODUCE A FINE GRAINED RE.

ACTOR SHALL USE TYPE 1-D OR TYPE 1 LIQUID ANE-FORMING CONCRETE CURING COMPOUNDS THAT Y WITH ASTM C 309.

ONTRACTOR SHALL PROVIDE LIQUID-APPLIED JOINT NT TO ALL CONCRETE JOINTS IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 452, "SEALING ESEALING CONCRETE PAVEMENT JOINTS".

FILLER MATERIAL SHALL COMPLY WITH AASHTO M 171 M D 1751.

SHALL BE NON-SHRINK, NON-STAINING, NON-METALLIC, BLE, AND SELF LEVELING WITH A MINIMUM 28 DAY RESSIVE STRENGTH OF 5000 PSI. GROUT SHALL ORM TO ASTM C1107 AND CRD C621. PREPARATION AND LATION SHALL MEET MANUFACTURERS IMENDATIONS. GROUT TO BE USED SHALL BE ITED TO THE ENGINEER FOR APPROVAL.



