



SANTA FE COUNTY PUBLIC WORKS DEPARTMENT

424 NM599 FRONTAGE ROAD

SANTA FE, NEW MEXICO 87507

INDEX OF DRAWINGS

NOVEMBER, 2014

plans for the
**OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND WATERLINE TL2N**
 N.M.D.O.T. CN C5111204
 SFC PROJECT No. 0798

CIVIL / WATER
 RESOURCES ENGINEERS

Molzen Corbin
 Steven K. Morrow, P.E.

GEOTECHNICAL ENGINEERS

Geo-Test, Inc.
 Charles M. Miller, P.E.

ENVIRONMENTAL CONSULTANT

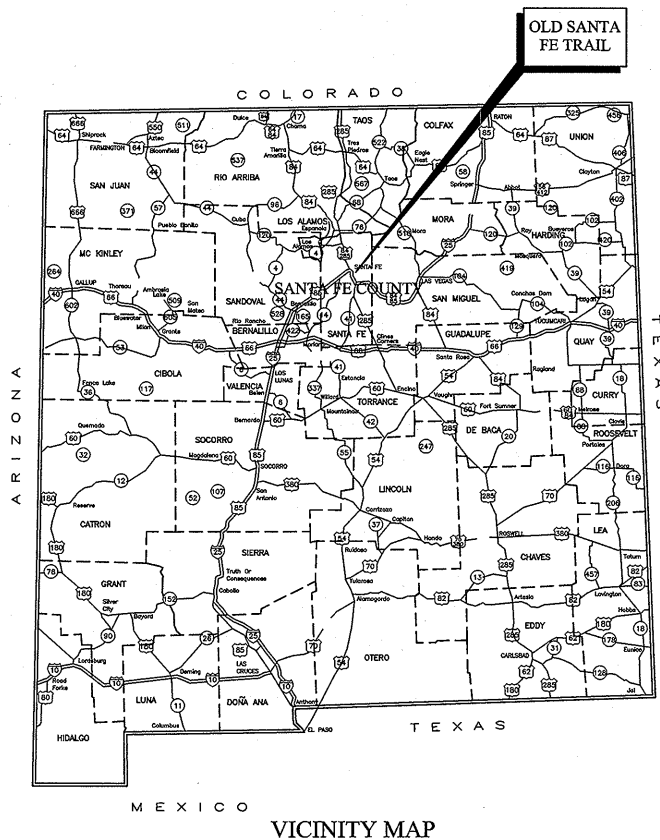
Marron and Associates
 Christina Kelso

SUBSURFACE UTILITY ENGINEERS

CobbFendley
 Sean Wolfe, P.E.

SURVEYOR

Surveying Control Inc.
 Steve Toler, P.S.



VICINITY MAP

SANTA FE COUNTY APPROVALS

SFC Fire Marshal - Buster Paty Date: 4/10/15

SFC PW Director - [Signature] Date: 4/10/15

SFC Water Utilities Division Director - [Signature] Date: 4.10.15

SFC Land Use Director - Vicki Suave Date: 4/13/15

SANTA FE COUNTY PUBLIC WORKS
 424 NM SR 599
 SANTA FE, NEW MEXICO 87504
 TELEPHONE NO.: 505-992-3010

DESCRIPTION	REV DATE	REV NO
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NUMERIC SCALE CONFIRMATION		
DRAWINGS ARE DEPICTED AT INTENDED NUMERIC SCALES IF THIS BAR EQUALS ONE INCH		

SEQUENCE	SHEET	DESCRIPTION
1	G-001	TITLE SHEET AND INDEX TO DRAWINGS
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3	G-003	CONSTRUCTION NOTES AND PUBLIC UTILITY CONTACT INFORMATION
4	G-004	SUMMARY OF QUANTITIES
5	G-005	RIGHT-OF-WAY / PROPERTY MAP
6	G-006	DRAINAGE PLAN
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8	G-008	TYPICAL ROADWAY SECTIONS
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10	G-010	SEDIMENT EROSION CONTROL AND RESEEDING PLAN
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16	C-102	OLD SANTA FE TRAIL ROADWAY - PLAN AND PROFILE - B.O.P. TO STA. 22+00
17	C-103	OLD SANTA FE TRAIL ROADWAY - PLAN AND PROFILE - STA. 22+00 TO STA. 35+00
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19	C-105	OLD SANTA FE TRAIL ROADWAY - PLAN AND PROFILE - STA. 48+00 TO E.O.P.
20	C-201	INTERSECTION DETAILS
21	C-202	INTERSECTION DETAILS
22	C-203	EL GANCHO WAY DRIVEWAY - PLAN AND PROFILES
23	C-204	OLD SANTA FE TRAIL DRIVEWAY - PLAN AND PROFILES
24	C-301	EXISTING SIGNAGE PLAN
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26	C-303	EL GANCHO WAY STRIPING PLAN
27	C-304	EL GANCHO WAY-OLD SANTA FE TRAIL INTERSECTION DETAILS
28	C-401	CULVERT CROSSING SECTIONS
29	W-101	INDEX TO WATERLINE DRAWINGS
30	W-201	EL GANCHO WAY WATERLINE PLAN & PROFILE STA.09+12.50 TO STA.23+02.84
31	W-202	OLD SANTA FE TRAIL WATERLINE PLAN & PROFILE STA.11+00 TO STA.23+00
32	W-203	OLD SANTA FE TRAIL WATERLINE PLAN & PROFILE STA.23+00 TO STA.35+00
33	W-204	OLD SANTA FE TRAIL WATERLINE PLAN & PROFILE STA.35+00 TO STA.47+00
34	W-205	OLD SANTA FE TRAIL WATERLINE PLAN & PROFILE STA.47+00 TO STA.59+00
35	W-206	OLD SANTA FE TRAIL WATERLINE PLAN & PROFILE STA.59+00 TO STA.71+00
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37	W-501	MASTER METER VAULT DETAIL
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39	W-503	STANDARD WATERLINE DETAILS
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42	W-506	NM-300 JACK AND BORE DETAIL CROSSING
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CERTIFICATION:

I, STEVEN K. MORROW, REGISTERED PROFESSIONAL ENGINEER NO. 13679 HEREBY CERTIFY THAT THE FOLLOWING PLANS AND DESIGNS WERE PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE BELIEF.



STEVEN K. MORROW, N.M.P.E. 11-20-14 NO. 13679

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR THE CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS INSTRUMENT ARE OWNED BY AND THE PROPERTY OF MOLZEN-CORBIN & ASSOCIATES, AND WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. THESE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE USED BY ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF MOLZEN-CORBIN & ASSOCIATES.

THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MUNICIPAL OFFICIALS, AND PREVIOUS CONSTRUCTION DOCUMENTS. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES AND UTILITY CONNECTION POINTS IN THE VICINITY OF REQUIRED WORK MAY BE DIFFERENT FROM THE LOCATION SHOWN ON THESE DRAWINGS. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHALL A CONFLICT EXIST THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

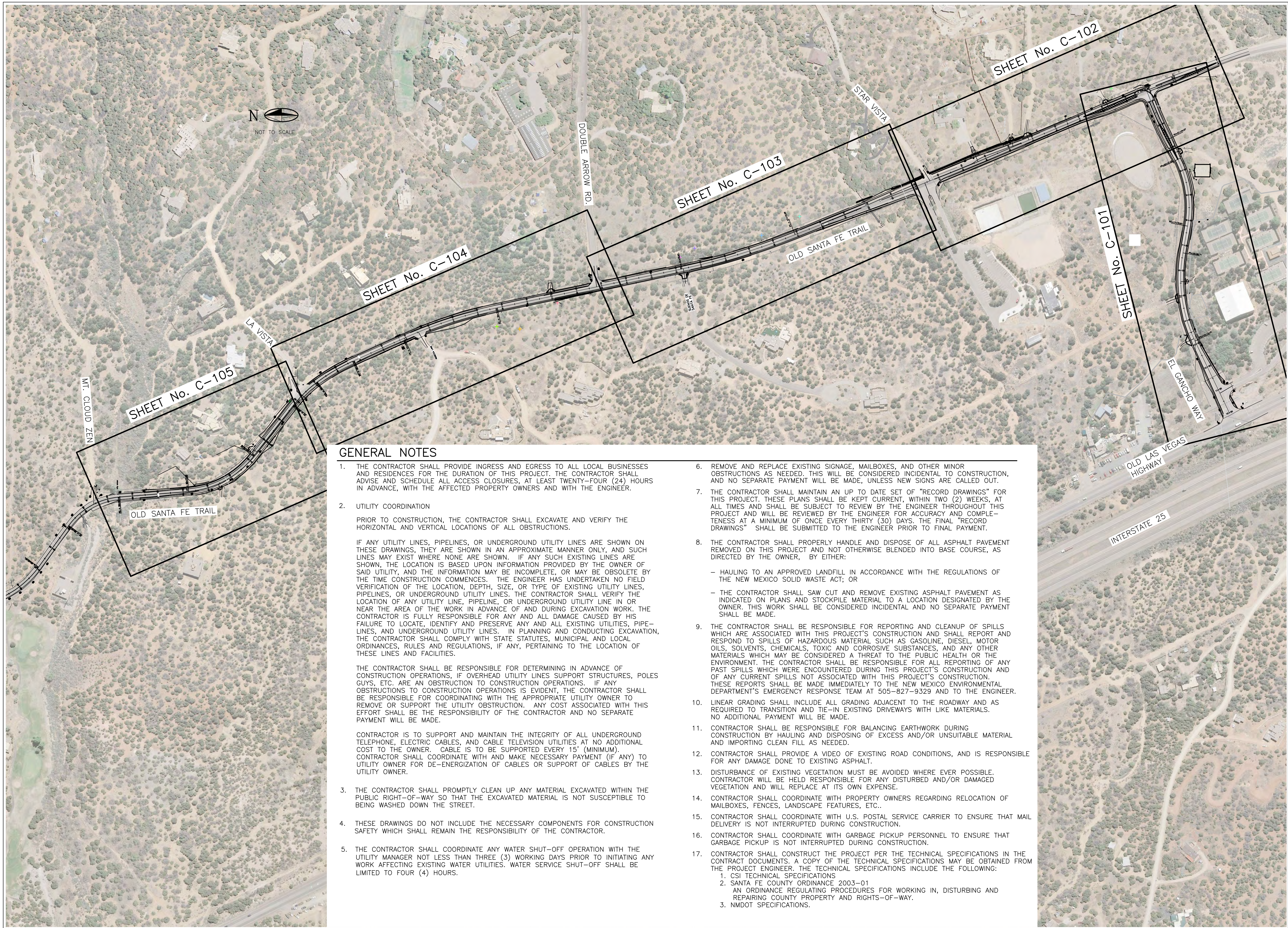
MOLZENCORBIN

ENGINEERS | ARCHITECTS | PLANNERS

2701 Miles Road SE, Albuquerque, New Mexico 87106 505 242 5700 office 505 242 0673 fax

G-001

Sheet



GENERAL NOTES

- THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO ALL LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THIS PROJECT. THE CONTRACTOR SHALL ADVISE AND SCHEDULE ALL ACCESS CLOSURES, AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE, WITH THE AFFECTED PROPERTY OWNERS AND WITH THE ENGINEER.
- UTILITY COORDINATION
 PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS.

 IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IN ADVANCE OF CONSTRUCTION OPERATIONS, IF OVERHEAD UTILITY LINES SUPPORT STRUCTURES, POLES GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTIONS TO CONSTRUCTION OPERATIONS IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO SEPARATE PAYMENT WILL BE MADE.

 CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES, AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED EVERY 15' (MINIMUM). CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- THESE DRAWINGS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL COORDINATE ANY WATER SHUT-OFF OPERATION WITH THE UTILITY MANAGER NOT LESS THAN THREE (3) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING WATER UTILITIES. WATER SERVICE SHUT-OFF SHALL BE LIMITED TO FOUR (4) HOURS.
- REMOVE AND REPLACE EXISTING SIGNAGE, MAILBOXES, AND OTHER MINOR OBSTRUCTIONS AS NEEDED. THIS WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, AND NO SEPARATE PAYMENT WILL BE MADE, UNLESS NEW SIGNS ARE CALLED OUT.
- THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF "RECORD DRAWINGS" FOR THIS PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO (2) WEEKS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE ENGINEER THROUGHOUT THIS PROJECT AND WILL BE REVIEWED BY THE ENGINEER FOR ACCURACY AND COMPLETENESS AT A MINIMUM OF ONCE EVERY THIRTY (30) DAYS. THE FINAL "RECORD DRAWINGS" SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL PAYMENT.
- THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL ASPHALT PAVEMENT REMOVED ON THIS PROJECT AND NOT OTHERWISE BLENDED INTO BASE COURSE, AS DIRECTED BY THE OWNER, BY EITHER:
 - HAULING TO AN APPROVED LANDFILL IN ACCORDANCE WITH THE REGULATIONS OF THE NEW MEXICO SOLID WASTE ACT; OR
 - THE CONTRACTOR SHALL SAW CUT AND REMOVE EXISTING ASPHALT PAVEMENT AS INDICATED ON PLANS AND STOCKPILE MATERIAL TO A LOCATION DESIGNATED BY THE OWNER. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEANUP OF SPILLS WHICH ARE ASSOCIATED WITH THIS PROJECT'S CONSTRUCTION AND SHALL REPORT AND RESPOND TO SPILLS OF HAZARDOUS MATERIAL SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, AND ANY OTHER MATERIALS WHICH MAY BE CONSIDERED A THREAT TO THE PUBLIC HEALTH OR THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPORTING OF ANY PAST SPILLS WHICH WERE ENCOUNTERED DURING THIS PROJECT'S CONSTRUCTION AND OF ANY CURRENT SPILLS NOT ASSOCIATED WITH THIS PROJECT'S CONSTRUCTION. THESE REPORTS SHALL BE MADE IMMEDIATELY TO THE NEW MEXICO ENVIRONMENTAL DEPARTMENT'S EMERGENCY RESPONSE TEAM AT 505-827-9329 AND TO THE ENGINEER.
- LINEAR GRADING SHALL INCLUDE ALL GRADING ADJACENT TO THE ROADWAY AND AS REQUIRED TO TRANSITION AND TIE-IN EXISTING DRIVEWAYS WITH LIKE MATERIALS. NO ADDITIONAL PAYMENT WILL BE MADE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING EARTHWORK DURING CONSTRUCTION BY HAULING AND DISPOSING OF EXCESS AND/OR UNSUITABLE MATERIAL AND IMPORTING CLEAN FILL AS NEEDED.
- CONTRACTOR SHALL PROVIDE A VIDEO OF EXISTING ROAD CONDITIONS, AND IS RESPONSIBLE FOR ANY DAMAGE DONE TO EXISTING ASPHALT.
- DISTURBANCE OF EXISTING VEGETATION MUST BE AVOIDED WHERE EVER POSSIBLE. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DISTURBED AND/OR DAMAGED VEGETATION AND SHALL REPLACE AT ITS OWN EXPENSE.
- CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS REGARDING RELOCATION OF MAILBOXES, FENCES, LANDSCAPE FEATURES, ETC..
- CONTRACTOR SHALL COORDINATE WITH U.S. POSTAL SERVICE CARRIER TO ENSURE THAT MAIL DELIVERY IS NOT INTERRUPTED DURING CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH GARBAGE PICKUP PERSONNEL TO ENSURE THAT GARBAGE PICKUP IS NOT INTERRUPTED DURING CONSTRUCTION.
- CONTRACTOR SHALL CONSTRUCT THE PROJECT PER THE TECHNICAL SPECIFICATIONS IN THE CONTRACT DOCUMENTS. A COPY OF THE TECHNICAL SPECIFICATIONS MAY BE OBTAINED FROM THE PROJECT ENGINEER. THE TECHNICAL SPECIFICATIONS INCLUDE THE FOLLOWING:
 1. CSI TECHNICAL SPECIFICATIONS
 2. SANTA FE COUNTY ORDINANCE 2003-01
 AN ORDINANCE REGULATING PROCEDURES FOR WORKING IN, DISTURBING AND REPAIRING COUNTY PROPERTY AND RIGHTS-OF-WAY.
 3. NMDOT SPECIFICATIONS.



NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:



PROJECT NAME:
**OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N**

**INDEX MAP AND
 GENERAL NOTES**

APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: G-002
DRAWN BY: J.LOVATO	

ROADWAY CONSTRUCTION

- 1. ALL ROADWAY CONSTRUCTION AND RE-CONSTRUCTION SHALL COMPLY WITH THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
2. A TRAFFIC CONTROL PLAN STAMPED BY A NM PROFESSIONAL ENGINEER IS REQUIRED FOR ALL PROJECTS WITHIN ANY SANTA FE COUNTY RIGHT OF WAY.
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.
4. THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH N.M. DOT STANDARD SPECIFICATIONS FOR ROAD 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 SHALL BE INCIDENTAL TO THE PROJECT.
5. DRAINAGE PIPE SPECIFIED AS CORRUGATED METAL PIPE (CMP) SHALL BE 16-GAUGE MINIMUM.
6. CONTRACTOR SHALL NOT BEGIN ANY CONSTRUCTION ACTIVITY WITHOUT THE APPLICABLE PERMITS FROM SANTA FE COUNTY. A COPY OF THE APPROVED DRAWINGS SHALL ALWAYS BE AVAILABLE AT THE CONSTRUCTION SITE DURING BUSINESS HOURS.
7. A SANTA FE COUNTY INITIATED PRECONSTRUCTION CONFERENCE SHALL BE CONDUCTED IN THE PRESENCE OF THE PROJECT ENGINEER AND OR THE OWNER'S PROJECT REPRESENTATIVE (OPR) PRIOR TO THE INITIATION OF ANY CONSTRUCTION ACTIVITY.
8. THE OPR SHALL BE NECESSARY REVISIONS TO THE APPROVED DESIGN DRAWINGS, ALL APPROPRIATE DRAWINGS AND DESIGN CRITERIA TO SUPPORT SUCH CHANGES.
9. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A NEW MEXICO PROFESSIONAL SURVEYOR FOR VERIFICATION OF CRITICAL HORIZONTAL AND VERTICAL CONTROL AND THE CERTIFICATION OF RECORD DRAWINGS.
10. IF EXISTING UTILITIES HAVE BEEN SHOWN ON THESE DRAWINGS THEY ARE FOR REFERENCE PURPOSES ONLY.
11. FOR ALL CONCRETE USED, THE DESIGN COMPRESSIVE STRENGTH AT 7 DAYS 1,500 PSI MINIMUM, AND 4,000 PSI AT 28 DAYS.
12. THREE (3) CONCRETE CYLINDER SAMPLES SHALL BE TAKEN FOR EVERY 500 CUBIC YARDS OF CONCRETE INSTALLED.
13. NOT LESS THAN 5 DAYS PRIOR TO INITIATING ANY WORK, THE CONTRACTOR SHALL SUBMIT A DUST SUPPRESSION AND EROSION CONTROL PLAN.
14. CLEARING SHALL BE KEPT TO A MINIMUM, AND STABILIZATION OF BARE SURFACES SHALL BEGIN PROMPTLY AFTER COMPLETION OF CONSTRUCTION ACTIVITIES.
15. CONTRACTOR SHALL CONFINE ALL CONSTRUCTION OPERATIONS TO THE LIMITS OF THE PROJECT DEFINED IN THESE DRAWINGS.
16. OVER-EXCAVATION OF ANY UTILITY TRENCHES SHALL NOT BE PERMITTED.
17. ONE SET OF BACKFILL DENSITY TESTS SHALL BE PERFORMED FOR EVERY 12 INCH LIFT FOR EACH 200 LINEAR FEET OF PIPELINE.
18. SUBGRADE, BASE MATERIAL, ASPHALT-TREATED BASE, AND ASPHALT SURFACE COURSE (MARSHALL) SHALL BE TESTED FOR COMPACTION EVERY 100 LINEAR FEET.
19. BASECOURSE SHALL BE COMPACTED TO NO LESS THAN 95% OF MAXIMUM DENSITY USING AASHTO, T-80 MODIFIED MOISTURE DENSITY TEST.
20. CONTRACTOR SHALL SUBMIT ASTM OR AASHTO CERTIFICATES OF MATERIALS' COMPLIANCE TO THE OPR, BUT NO LESS THAN 5 DAYS PRIOR TO INITIATING ANY WORK INVOLVING SUCH MATERIALS.
21. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS (MARKS) FROM DAMAGE DURING CONSTRUCTION.
22. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING STRUCTURES FREE OF DUST AND/OR CONSTRUCTION DEBRIS AT ALL TIMES DURING THE EXECUTION OF THE PROJECT.
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.
24. ALL AREAS DISTURBED BY THE CONSTRUCTION ACTIVITIES OF THIS PROJECT SHALL BE RESTORED, RE-GRADED, PER THE RE-VEGETATION PLAN.
25. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR EROSION CONTROL INCIDENTAL TO THE CONSTRUCTION ACTIVITIES.
26. CONTRACTOR SHALL PROVIDE AN AREA TO STORE CONSTRUCTION DEBRIS WHERE IT WILL NOT BE A NUISANCE TO THE SURROUNDING NEIGHBORHOOD.
27. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION OF THE WORK MATERIALS AND EQUIPMENT PRIOR TO AND AFTER THEIR INSTALLATION.
28. THE MAXIMUM DEVIATION OF THE TOP OF SURFACE AT THE CURB AND GUTTER SHALL NOT EXCEED 1/8 INCH PER 10 FEET.
29. UTILITY LINES SHALL BE BORED UNDER ALL EXISTING STREETS, CONCRETE FEATURES, AND A MINIMUM 12-INCH SEPARATION SHALL BE MAINTAINED BETWEEN LINES.
30. A COMPLETION LETTER FROM EACH UTILITY COMPANY SHALL BE SUBMITTED TO THE COUNTY UTILITIES DEPARTMENT PRIOR TO PAYING ACTIVITIES.
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.
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.

- 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.
-DAMAGED SIGNS WILL BE REPLACED AT THE CONTRACTORS EXPENSE.
-RELOCATION / DEMOLITION OF EXISTING LANDSCAPING IN RIGHTS-OF-WAY WILL BE DONE BY THE CONTRACTOR.
-SIGNAGE TO BE REINSTALLED AS PER THE MOST CURRENT EDITION OF THE M.U.T.C.D. STANDARDS.
-ANCHORS MUST BE 6" ABOVE GRADE.
-MAILBOX RELOCATION WILL BE COORDINATED WITH THE U.S.P.S LOCAL OFFICE.
-REGULATORY SIGNAGE AFFECTED MUST BE PLACED ON TEMPORARY STANDS.

WATERLINE CONSTRUCTION

- 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, (NMMPWV) 2006 EDITION, OR SUBSEQUENT REVISIONS, AND THE SANTA FE COUNTY WATER UTILITY CONSTRUCTION STANDARD AND SPECIFICATIONS MANUAL, UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
2. LOCATION OF LINES AND FITTINGS SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THESE DRAWINGS.
3. UNLESS OTHERWISE INDICATED ON THESE DRAWINGS, PIPELINES AND ALL APPURTENANT FITTINGS SHALL BE DUCTILE IRON, PVC C-900, WITH CLASS-D BEDDING OR BETTER.
4. ALL WATER LINES SHALL BE INSTALLED IN THEIR OWN TRENCH, WITH NO OTHER UTILITIES IN THE TRENCH, BURIED UNDER A MINIMUM 48 INCHES OF COMPACTED BACKFILL.
5. WHEN CROSSING, WATER LINES SHALL ALWAYS BE ABOVE SEWER LINES, AND A MINIMUM 18-INCH CLEARANCE SHALL BE ALLOWED BETWEEN THE BOTTOM OF THE WATER LINE AND THE TOP OF ANY SANITARY SEWER, UNLESS SPECIAL CROSSING PROVISIONS ARE SHOWN ON THESE DRAWINGS.
6. TYPICAL HORIZONTAL SEPARATION BETWEEN WATER LINES AND ANY SANITARY SEWER LINE SHALL BE MINIMUM 10 FEET, AND SEPARATE TRENCHES SHALL BE EXCAVATED IN ALL CASES.
7. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DISINFECTION AND PRESSURE TESTING OF ALL NEW WATER LINES, IN ACCORDANCE WITH AWWA STANDARDS.
8. ALL VALVES 12" DIAMETER OR SMALLER SHALL BE FULL-PORT GATE TYPE, RESILIENT SEATING, MECHANICAL OR MEGALUG (R) JOINTS, PIPE, AND INSTALLED IN COMPLIANCE WITH THE COUNTY WATER SYSTEM DETAILS.
9. UPON COMPLETION ONE VALVE SHALL BE TIED TO ONE OR MORE OF THE SANTA FE COUNTY'S PERMANENT SURVEY MONUMENTS.
10. ALL FIRE HYDRANTS SHALL BE SUPPLIED WITH NFP CONNECTORS, AND NUMBERED (NUMBER SUPPLIED BY THE COUNTY FIRE DEPARTMENT).
11. WATER SERVICE CONNECTIONS AND METERS SHALL BE 1-INCH MINIMUM DIAMETER FOR LOTS THAT WILL BE THE SITE FOR RESIDENTIAL BUILDINGS EQUIPPED WITH FIRE SUPPRESSION SYSTEMS.
12. LOCATE WIRES SHALL BE INSTALLED ON ALL WATER LINES. THE LOCATE WIRE MUST BE VISIBLE IN ALL VALVE VAULTS, MANHOLES OR OTHER ACCESS STRUCTURES.
13. BLUE CARSONITE MARKERS WITH SFCU I.D. STICKERS ARE REQUIRED ON ALL VALVES AND APPURTENANCES, AND EVERY 300 FEET ALONG PIPELINES THAT ARE NOT IN ROADWAY.
14. PURPLE CARSONITE MARKERS WITH I.D. STICKERS ARE REQUIRED ON ALL VALVES AND APPURTENANCES, AND EVERY 300 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.
2. IF TRENCH-RUN MATERIAL MEETS BACKFILL MATERIAL REQUIREMENTS, 3-INCH BEDDING MAY BE OMITTED.
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 OWNER'S PROJECT REPRESENTATIVE (OPR) A SWPPP 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.
3. AS SOON AS FINAL GRADES ARE ACHIEVED, AND PROPER CLIMATIC CONDITIONS PREVAIL, NATIVE GRASS SEEDS SHALL BE APPLIED.
4. GRAVEL BAGS AND OTHER EPA APPROVED DEVICES SHALL BE INSTALLED AROUND DROP INLET GRATES IMMEDIATELY AFTER THEIR INSTALLATION.
5. SILT FENCES OR WADDLES MEETING EPA REQUIREMENTS FOR SEDIMENT CONTROL SHALL BE INSTALLED AT ALL SLOPES IN STRICT ACCORDANCE WITH SWPPP PLAN.
6. CONTRACTOR SHALL DISPOSE OF ITEMS DESIGNATED FOR REMOVAL WITHOUT SALVAGE, WHICH ARE UNSUITABLE FOR USE AS CONSTRUCTION MATERIALS IN THIS PROJECT.
7. BORROW MATERIAL, CONSTRUCTION WASTE, VEGETATIVE DEBRIS, ETC SHALL NOT BE PLACED IN WETLAND AREAS ARROYOS, OR ANY AREAS ENDANGERED SPECIES, OR HABITAT RESOURCES MAY BE AFFECTED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP SPILLS ASSOCIATED WITH THE PROJECT'S CONSTRUCTION ACTIVITIES.
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.
10. RE-FUELING OPERATIONS AND CONCRETE DUMPING IN THE VICINITY OF ANY BODY OF WATER SHALL BE STRICTLY PROHIBITED.
11. CONTRACTOR SHALL COORDINATED WITH PROJECT ENGINEER TO AVOID DISTURBANCE OF NESTING AREAS IDENTIFIED IN THE PROJECT BIOLOGICAL REPORT AS REQUIRING PROTECTION.
12. CONTRACTOR SHALL CONTACT JON GRIEGO, COMPLIANCE OFFICER AT THE CITY OF SANTA FE (505) 955-6516 TO OBTAIN A DUST CONTROL PERMIT.

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.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUCCESSFUL RECOVERY OF DISTURBED AREAS FOLLOWING RE-VEGETATION THROUGH THE FIRST GROWING SEASON AFTER COMPLETION OF THIS PROJECT.
3. AREAS WITH A SLOPE LESS THAN 4:1 SHALL BE TREATED WITH DRILL SEEDING.
4. THE SEED BED SHALL BE PREPARED TO A MINIMUM 4-INCH DEPTH BY TILLING WITH A DISC, HARROW, OR CHISELING TOOLS.
5. SEED SHALL BE UNIFORMLY APPLIED OVER THE AREA TO BE TREATED.
6. BROADCAST SEEDING SHALL ONLY BE PERFORMED IN SLOPES EXCEEDING 3:1 OR IN AREAS INACCESSIBLE TO THE SEED DRILL.
7. MULCH SHALL BE PLACED OVER ALL SEEDED AREAS.
8. SEED MIX AND SEEDING RATE ARE AS FOLLOWS: DRYLAND BLEND
SEED SIDE OATS GRAMA 20%
BLUE GRAMA 30%
LITTLE BLUESTEM 20%
INDIAN RICEGRASS 10%
SHEEP FESCUE 10%
STREAMBANK WHEATGRASS 4%
ALKALI SACATON 3%
GALTA 3%
WILD FLOWER MIX 5% OF TOTAL SEED WEIGHT
NOTE: POUNDS PER ACRE OF SEED MIXTURE: 15-20 LBS IF DRILLED; 20-25 LBS. IF BROADCAST, SEED SHALL BE CERTIFIED NOXIOUS WEED FREE.

NMDOT NOTES

- 1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE NMDOT'S STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION AND TO THE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.
2. WORK SHALL BE PERFORMED SO THAT DANGER, INCONVENIENCE, AND DELAY TO THE TRAVELING PUBLIC IS HELD TO A MINIMUM.
3. PLANS TO PROTECT AND HANDLE TRAFFIC DURING CONSTRUCTION SHALL BE SUBMITTED FOR REVIEW TO NMDOT PRIOR TO CONSTRUCTION.
4. ALL TEMPORARY TRAFFIC CONTROL ASSOCIATED WITH WORK IN NMDOT RIGHT-OF-WAY MUST FULLY MEET THE REQUIREMENTS OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION (NMDOT) DISTRICT 1 AND DISTRICT 5.
5. STEEL, IRON, AND MANUFACTURED PRODUCTS SHALL BE IN COMPLIANCE WITH BUY AMERICA FOR THIS PROJECT PURSUANT TO MAP-21

LEGEND

Table with 3 columns: Symbol, Description, and Notes. Includes symbols for Water Meter, Gate Valve, Fire Hydrant Assembly, Tee, and Test Bore.

ABBREVIATIONS

Table listing abbreviations for materials and standards such as ALUM (Aluminum), AV (Air Valve), AWWA (American Water Works Association), CMP (Corrugated Metal Pipe), etc.

PUBLIC UTILITY CONTACTS table with columns: Service Type, Company Name, Address, Phone Number, and Contact Person Name.

MOLZENCORBIN

2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com



NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION table with columns: SYMBOL, DATE, and BY.

Santa Fe County logo and address: SANTA FE COUNTY PUBLIC WORKS DEPARTMENT 424 NM 599 SANTA FE, NM 87507

PROJECT NAME: OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

CONSTRUCTION NOTES AND PUBLIC UTILITY CONTACT INFORMATION

APPROVED: - REVIEWED: -
DATE: NOV., 2014 SHEET:
DRAWN BY: J.LOVATO C-003

SUMMARY OF WATERLINE QUANTITIES

Base Bid			
ITEM NO.	DESCRIPTION	UNIT	ESTIM QUANT
Waterline Improvements			
1	JACK AND BORE, 24" STEEL CASING, WITH CASING SPACERS AND END SEALS, CIP	LF	85
2	12" WATERLINE PIPE, DR18 PVC, INCLUDING TRENCH, COMPACTED BACKFILL, RESTRAINED JOINTS, FITTINGS, AND APPURTENANCES, CIP	LF	7300
3	12" CARRIER PIPE, DIP WITH INTEGRAL JOINT RESTRAINT, CIP	LF	100
4	8" WATERLINE, DR18 PVC, INCLUDING TRENCH, COMPACTED BACKFILL, RESTRAINED JOINTS, FITTINGS, AND APPURTENANCES, CIP	LF	550
5	6" WATERLINE, DR18 PVC, INCLUDING TRENCH, COMPACTED BACKFILL, RESTRAINED JOINTS, FITTINGS, AND APPURTENANCES, CIP	LF	110
6	ROCK EXCAVATION, FOR TRENCH TO INSTALL WATERLINE, REMOVAL OF UNSUITABLE MATERIAL, SUPPLY AND HAULING OF IMPORTED BACKFILL MATERIAL, PLACEMENT AND COMPACTION, CIP	LF	100
7	CLEARING AND GRUBBING	ACRE	1.78
8	12" GATE VALVE AND BOX	EA	17
9	8" GATE VALVE AND BOX	EA	9
10	6" GATE VALVE AND BOX	EA	11
11	AIR/VACUUM VALVE AND BOX	EA	8
12	16" LINE STOP	EA	1
13	6" STUBOUT FOR FUTURE FIRE HYDRANT CONNECTION	EA	11
Asphalt Pavement Removal and Replacement			
14	3" SP IV ASPHALT PAVEMENT REMOVAL, DISPOSAL, AND REPLACEMENT, INCLUDING TACK COAT, BASE COURSE, AND GRADE PREP, CIP	SY	850
Miscellaneous			
15	ENVIRONMENTAL MONITORING	ALLOW	1
621000	MOBILIZATION/DEMOBILIZATION	LS	1
618000	TRAFFIC CONTROL	LS	1
801XXX	UTILITY RELOCATION ALLOWANCE	ALLOW	1
801012	MATERIAL TESTING ALLOWANCE	ALLOW	1
801000	CONSTRUCTION STAKING	LS	1
603280	SWPPP/NPDES PERMIT	LS	1
Additive Alternate #1			
ITEM NO.	DESCRIPTION	UNIT	ESTIM QUANT
Waterline Improvements			
21	FIRE HYDRANT ASSEMBLY, ATTACH TO EXISTING STUBOUT, 5'BURY, CIP	EA	11
22	PROTECTIVE BOLLARDS FOR EACH FIRE HYDRANT (3 PER HYDRANT)	EA	33
621000	MOBILIZATION/DEMOBILIZATION ADDITIVE ALTERNATE #1	LS	1
618000	TRAFFIC CONTROL ADDITIVE ALTERNATE #1	LS	1

SUMMARY OF WATERLINE QUANTITIES

Additive Alternate #2			
ITEM NO.	DESCRIPTION	UNIT	ESTIM QUANT
Waterline Improvements			
23	FIRE HYDRANT ASSEMBLY WITH STUBOUT, ERASE ITEM NUMBER 13 IN BASE BID, 5' BURY, CIP	EA	11
24	PROTECTIVE BOLLARDS FOR EACH FIRE HYDRANT (3 PER HYDRANT)	EA	33
621000	MOBILIZATION/DEMOBILIZATION ADDITIVE ALTERNATE #1	LS	1
618000	TRAFFIC CONTROL ADDITIVE ALTERNATE #1	LS	1
Additive Alternate #3			
ITEM NO.	DESCRIPTION	UNIT	ESTIM QUANT
Waterline Improvements			
25	MASTER METER, CIP	LS	1
26	SERVICE CONNECTION	LS	1
27	PNM CONNECTION ALLOWANCE	ALLOW	1
621000	MOBILIZATION/DEMOBILIZATION ADDITIVE ALTERNATE #1	LS	1
618000	TRAFFIC CONTROL ADDITIVE ALTERNATE #1	LS	1

SUMMARY OF ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	ESTIM QUANT
Multimodal Improvements			
207000	SUBGRADE PREP, 12"	SY	9285
208XXX	GRADING < 2'	SY	5200.0
208XXX	SITE CLEARING AND GRUBBING	ACRE	4.86
303160	AGGREGATE BASE COURSE, 6"	SY	8860
423282	ASPHALT PAVEMENT, 3"	SY	8860
423282	ASPHALT PAVEMENT, DRIVEWAYS	SY	425
423XXX	SAWCUT ASPHALT CONCRETE	LF	11650
423XXX	REMOVE AND DISPOSE EXISTING ASPHALT	SY	3900
570024	CULVERT PIPE, 24"	EA	15
570025	CULVERT PIPE END SECTION, 24"	EA	2
570031	CULVERT PIPE END SECTION, 30"	EA	2
570XXX	CULVERT PIPE, 12"	LF	5
570XXX	CULVERT PIPE END SECTION, 12"	EA	1
570XXX	REMOVE EXISTING CULVERT	LF	205
602000	NEW RIPRAP, 8" NOM. DIAMETER	CY	25
602XXX	REMOVE, SALVAGE, AND RELOCATE EXISTING RIPRAP	CY	20
606000	GUARD RAIL	LF	260
606100	METAL BARRIER END TREATMENTS	EA	6
607220	FENCE RELOCATION	LF	760
609500	STANDARD CURB AND GUTTER	LF	677
623XXX	DROP INLET TYPE "D"	EA	1
632000	SEEDING	ACRE	2.00
663XXX	TELEPHONE PEDESTAL RELOCATION	EA	9
667XXX	RELOCATION OF MAILBOXES	EA	3
701015	RADAR TRAFFIC CONTROL SIGNS	EA	2
701031	REMOVE AND RELOCATE TRAFFIC SIGNS	EA	20
701XXX	INSTALL NEW TRAFFIC SIGNS	EA	26
704700	THERMOPLASTIC MARKING, 4", WHITE	LF	12300
704769	RETROREFLECTIVE THRU ARROW, WHITE	EA	13
704782	RETROREFLECTIVE BICYCLE MARKING, WHITE	EA	13
Miscellaneous			
603280	SWPPP	LS	1
618000	TRAFFIC CONTROL	LS	1
621000	MOBILIZATION	LS	1
801000	CONSTRUCTION STAKING	LS	1
801XXX	PRE-AUTHORIZED WORK & CHANGES	ALLOW	1
801XXX	UTILITY RELOCATION ALLOWANCE	ALLOW	1
801012	MATERIAL TESTING ALLOWANCE	ALLOW	1
Add Alternate #1			
ITEM NO.	DESCRIPTION	UNIT	ESTIM QUANT
Multimodal Improvements			
401000	SLURRY SEAL	SY	20905
704700	THERMOPLASTIC MARKING, 6", WHITE	LF	12300
704700	THERMOPLASTIC MARKING, 4", YELLOW	LF	12500

MOLZENCORBIN

2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com



NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE
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OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

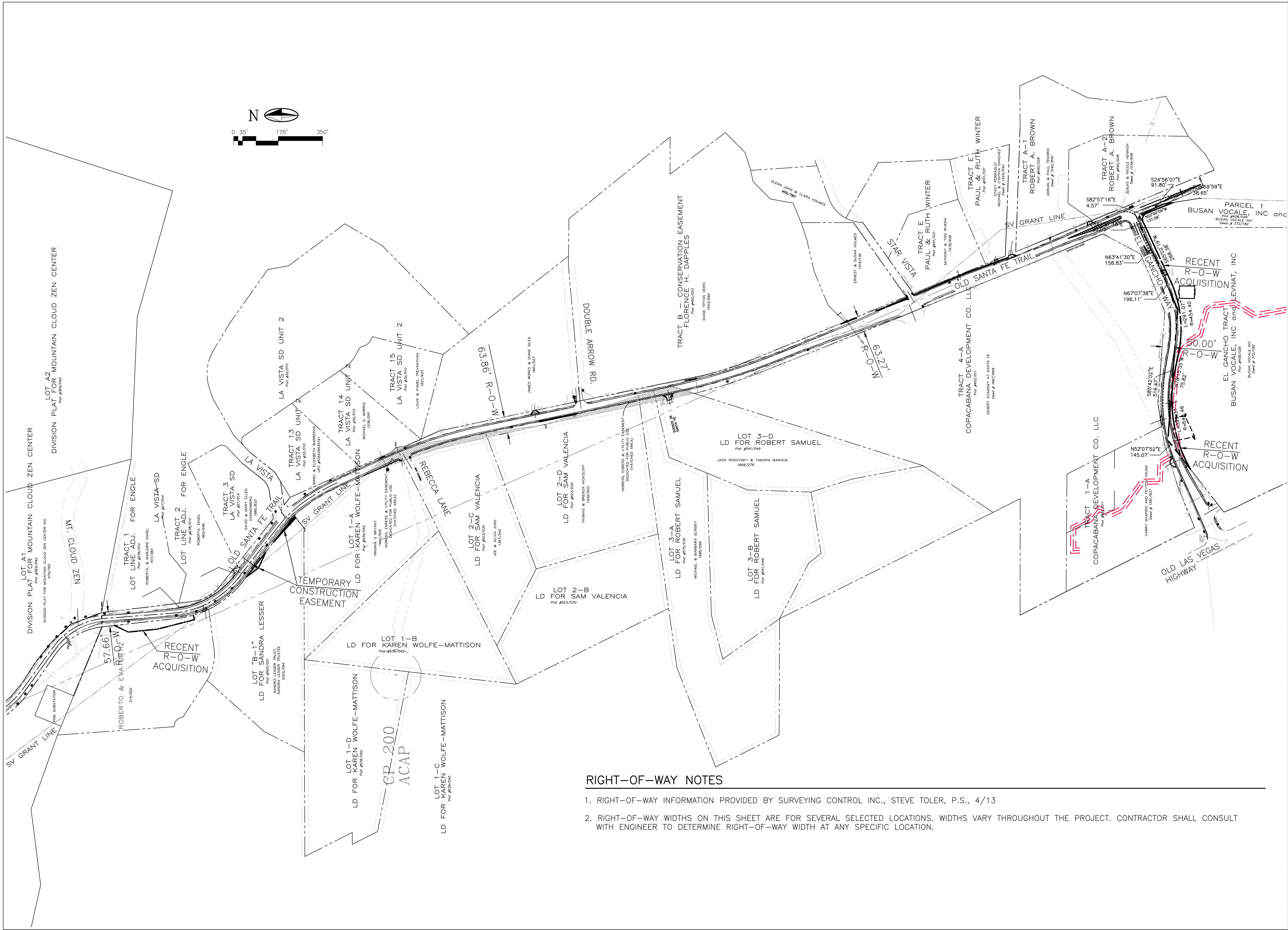
SYMBOL: DATE: BY:



PROJECT NAME:
OLD SANTA FE TRAIL
ROAD IMPROVEMENTS
AND
WATERLINE TL2N

SUMMARY OF
QUANTITIES

APPROVED: - REVIEWED: -
DATE: NOV., 2014 SHEET:
DRAWN BY: J.LOVATO C-004



RIGHT-OF-WAY NOTES

1. RIGHT-OF-WAY INFORMATION PROVIDED BY SURVEYING CONTROL INC., STEVE TOLER, P.S., 4/13
2. RIGHT-OF-WAY WIDTHS ON THIS SHEET ARE FOR SEVERAL SELECTED LOCATIONS. WIDTHS VARY THROUGHOUT THE PROJECT. CONTRACTOR SHALL CONSULT WITH ENGINEER TO DETERMINE RIGHT-OF-WAY WIDTH AT ANY SPECIFIC LOCATION.



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REVISION

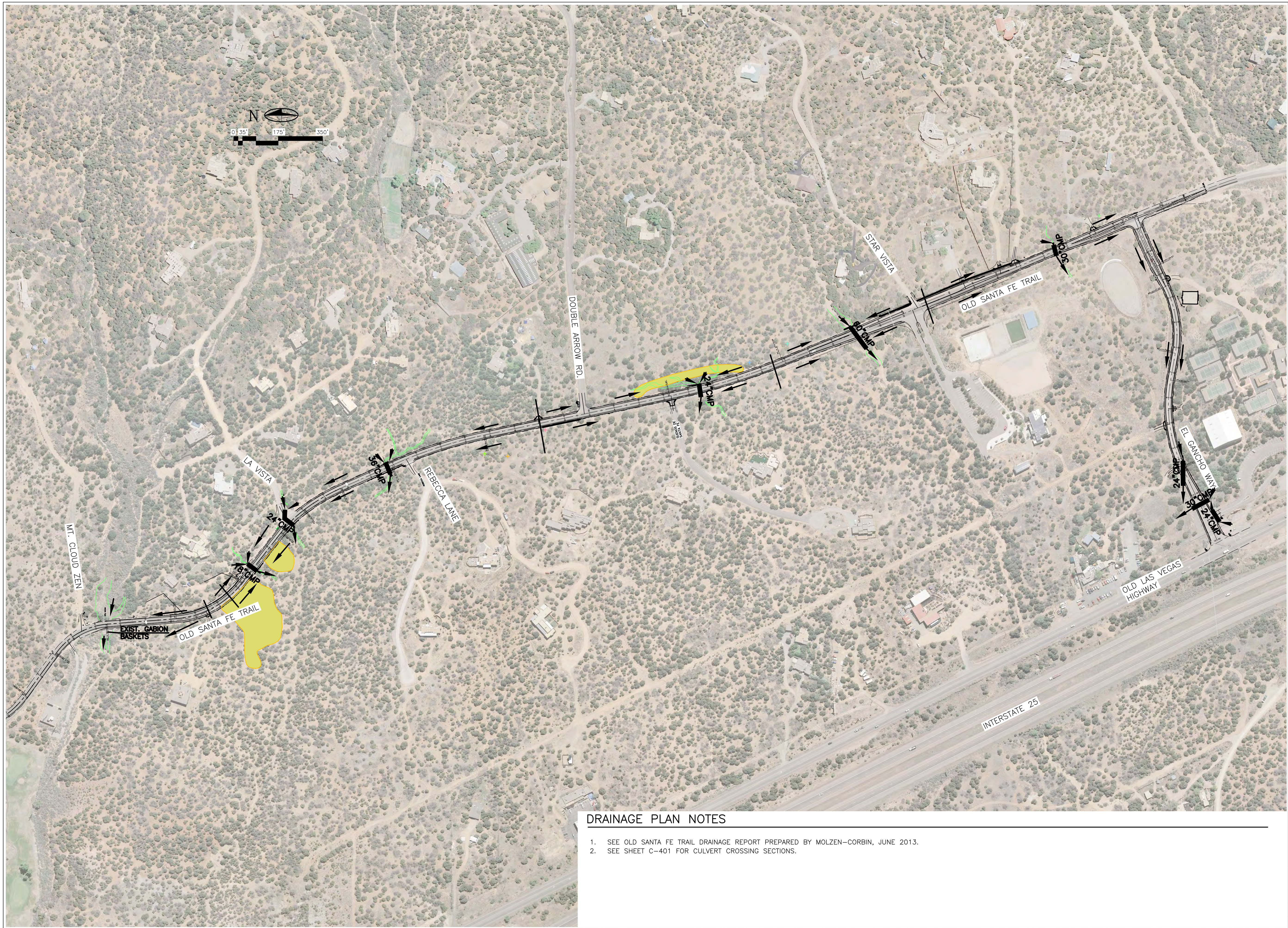
SYMBOL:	DATE:	BY:



PROJECT NAME:
**OLD SANTA FE TRAIL
ROAD IMPROVEMENTS
AND
WATERLINE TL2N**

**RIGHT-OF-WAY /
PROPERTY MAP**

APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: G-005
DRAWN BY: J.LOVATO	



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REVISION

SYMBOL:	DATE:	BY:



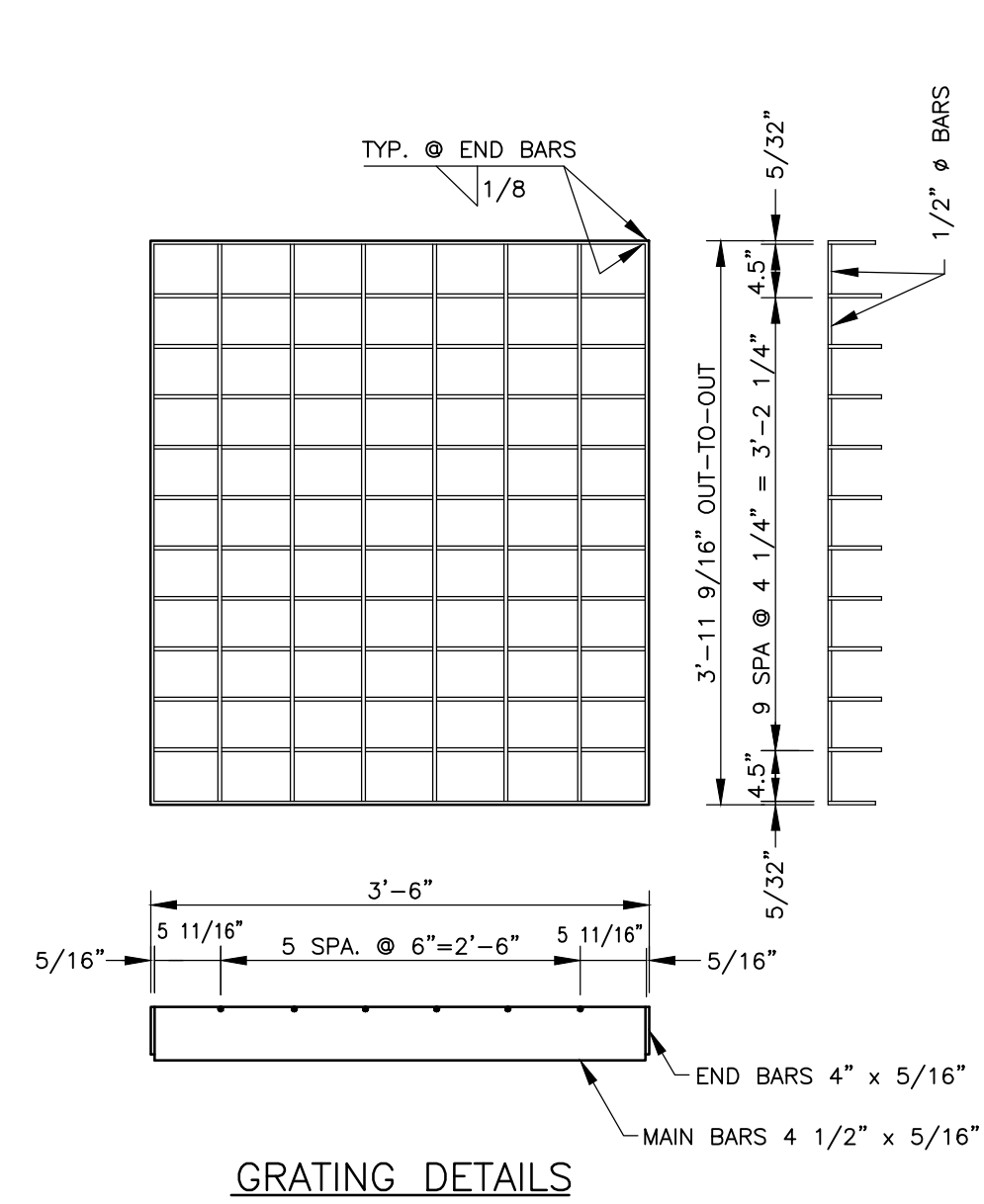
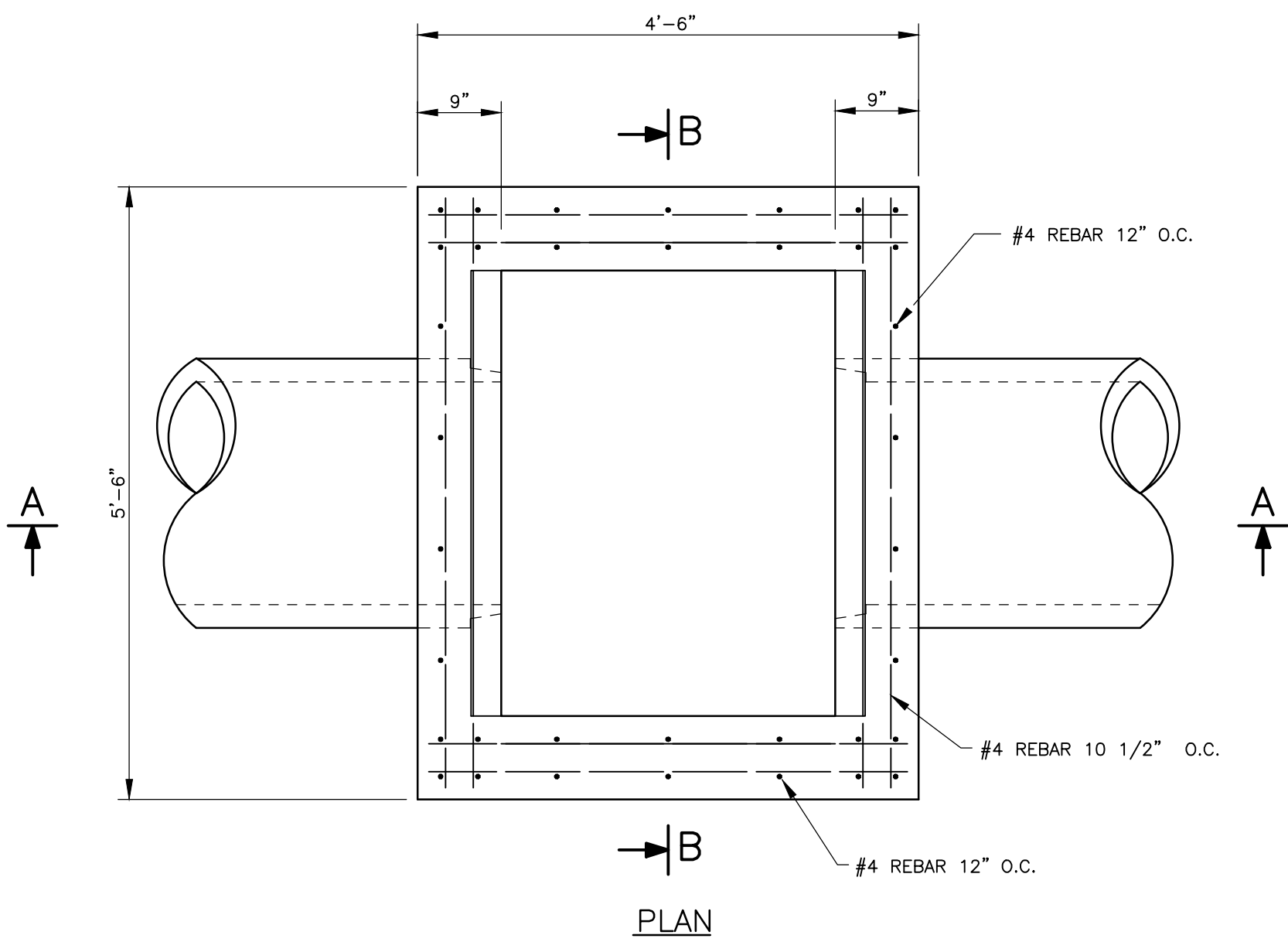
PROJECT NAME:
**OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N**

DRAINAGE
 PLAN

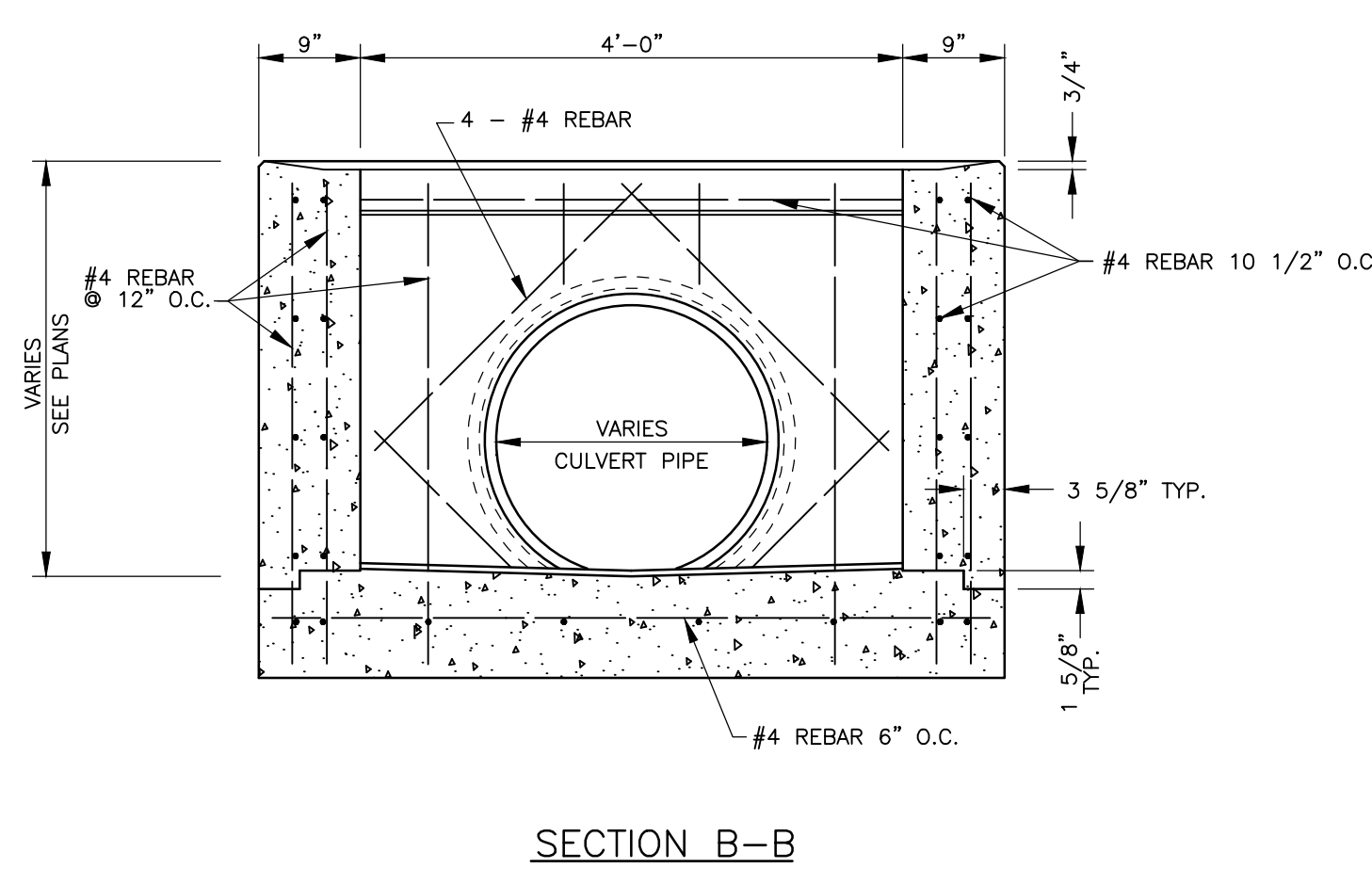
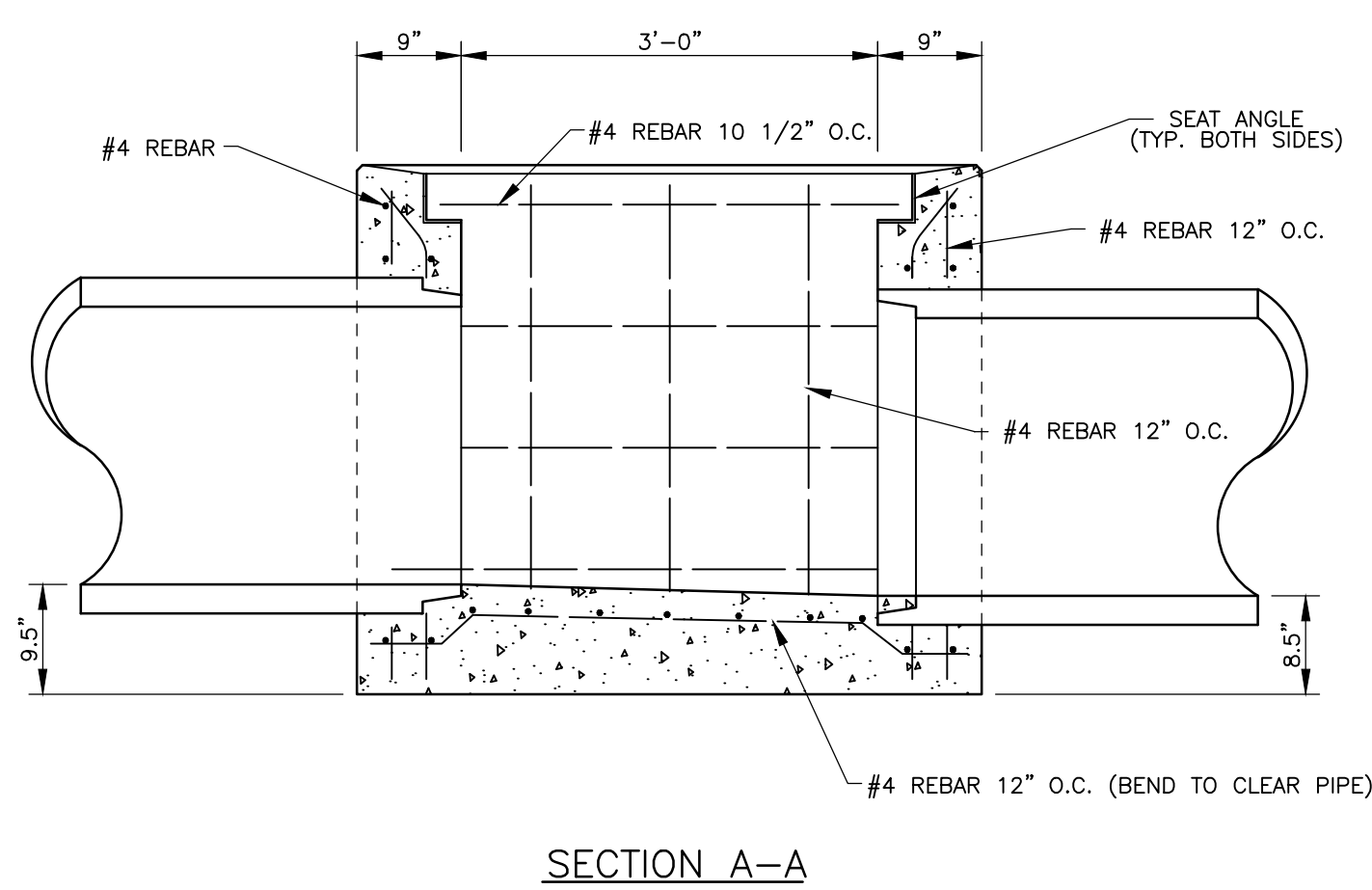
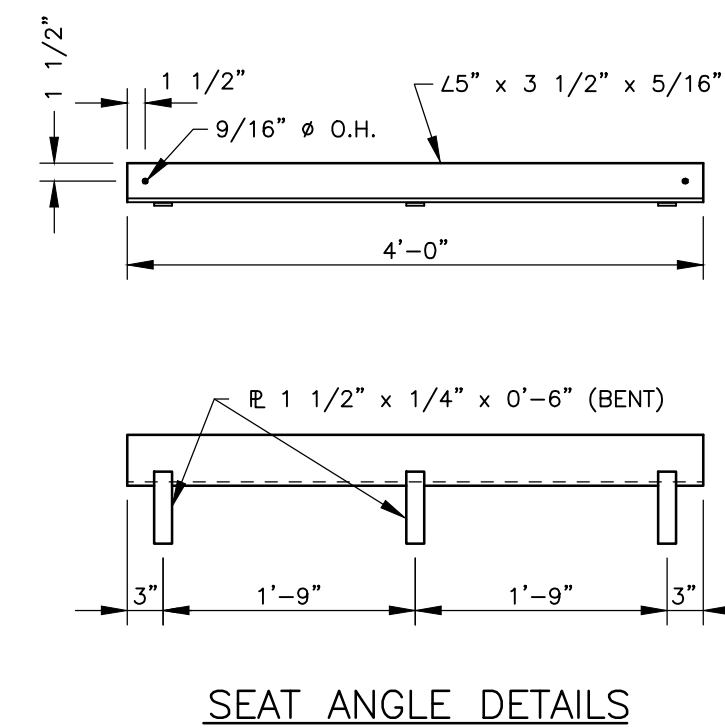
APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: G-006
DRAWN BY: J.LOVATO	

DRAINAGE PLAN NOTES

1. SEE OLD SANTA FE TRAIL DRAINAGE REPORT PREPARED BY MOLZEN-CORBIN, JUNE 2013.
2. SEE SHEET C-401 FOR CULVERT CROSSING SECTIONS.

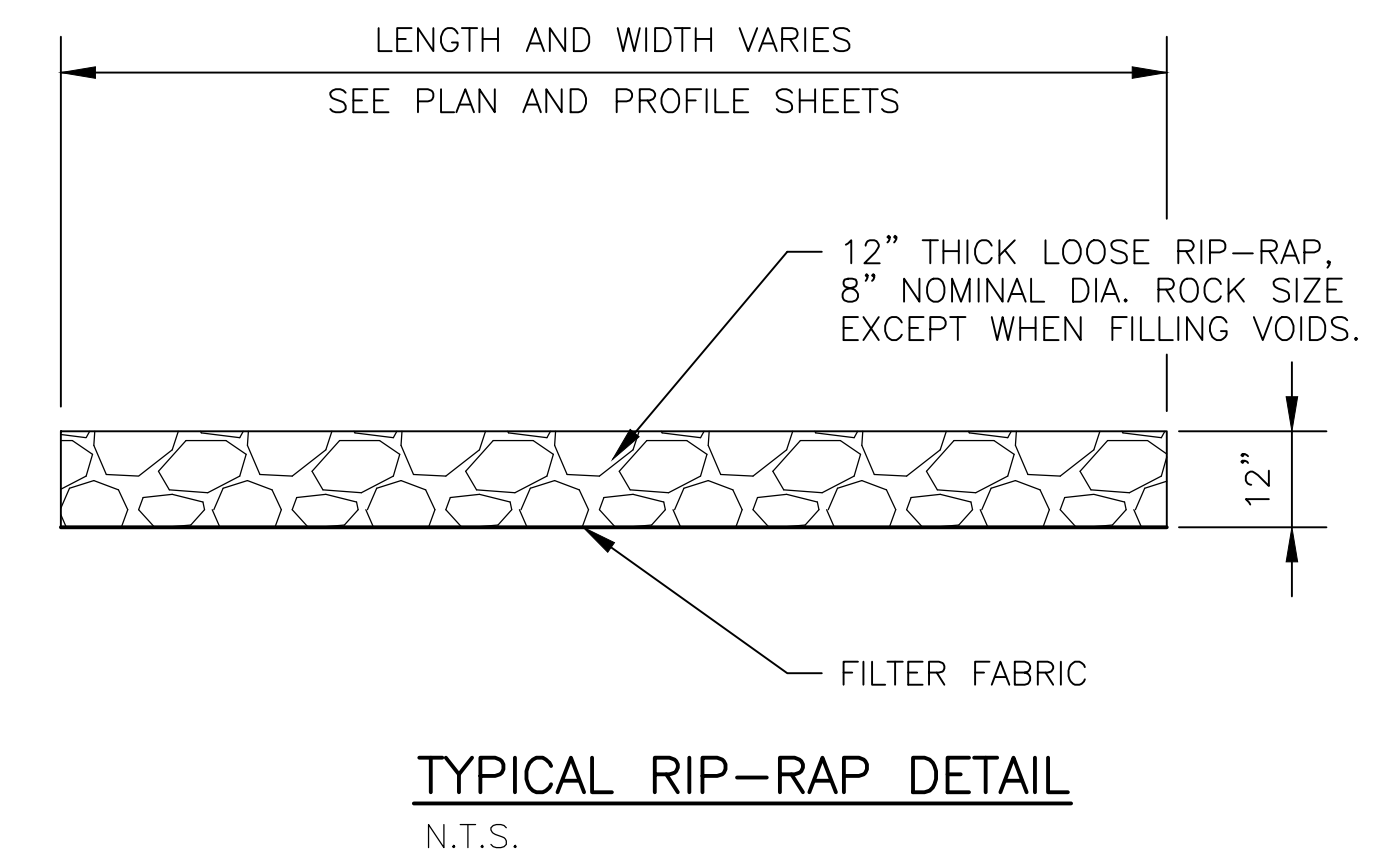
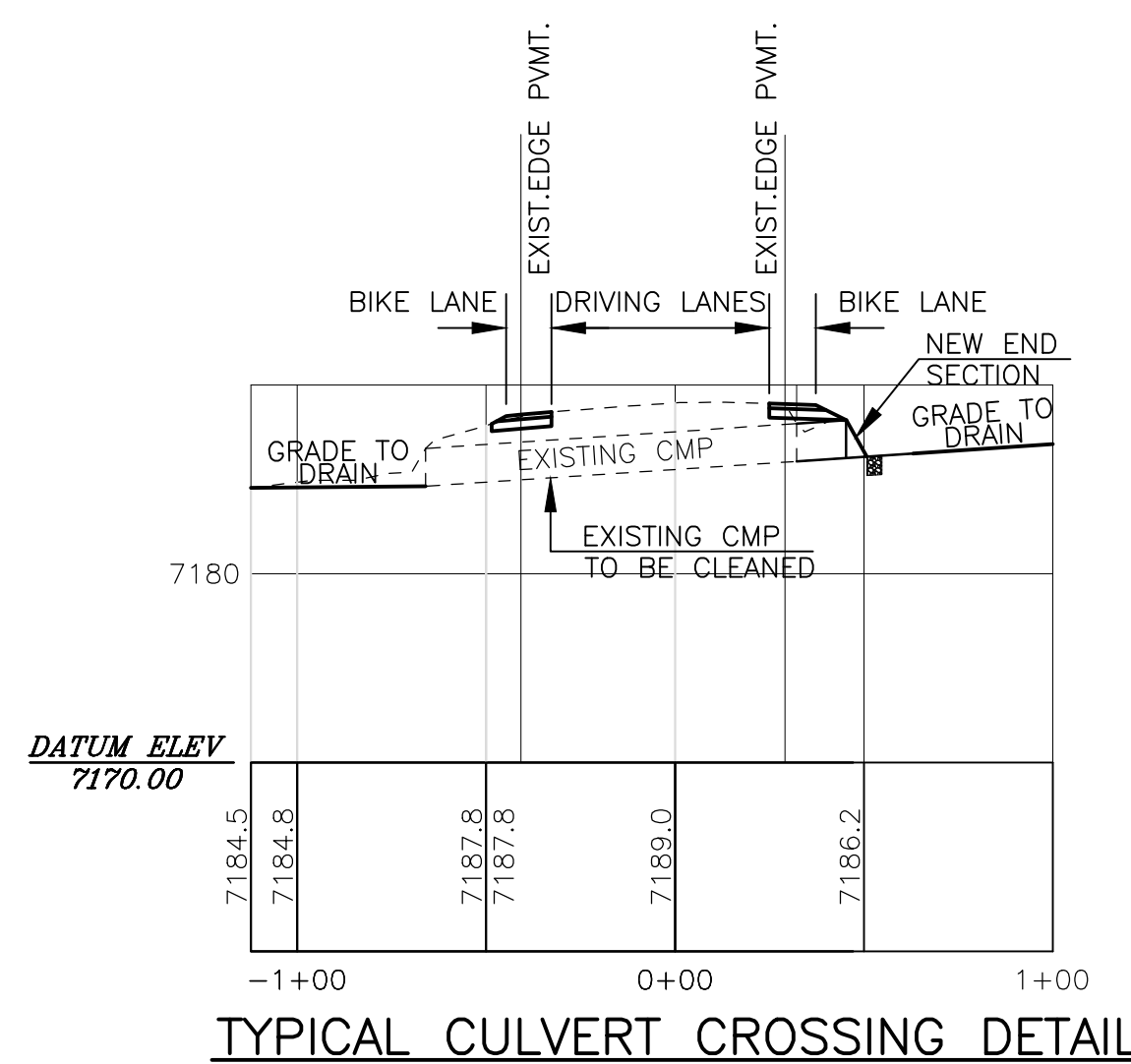
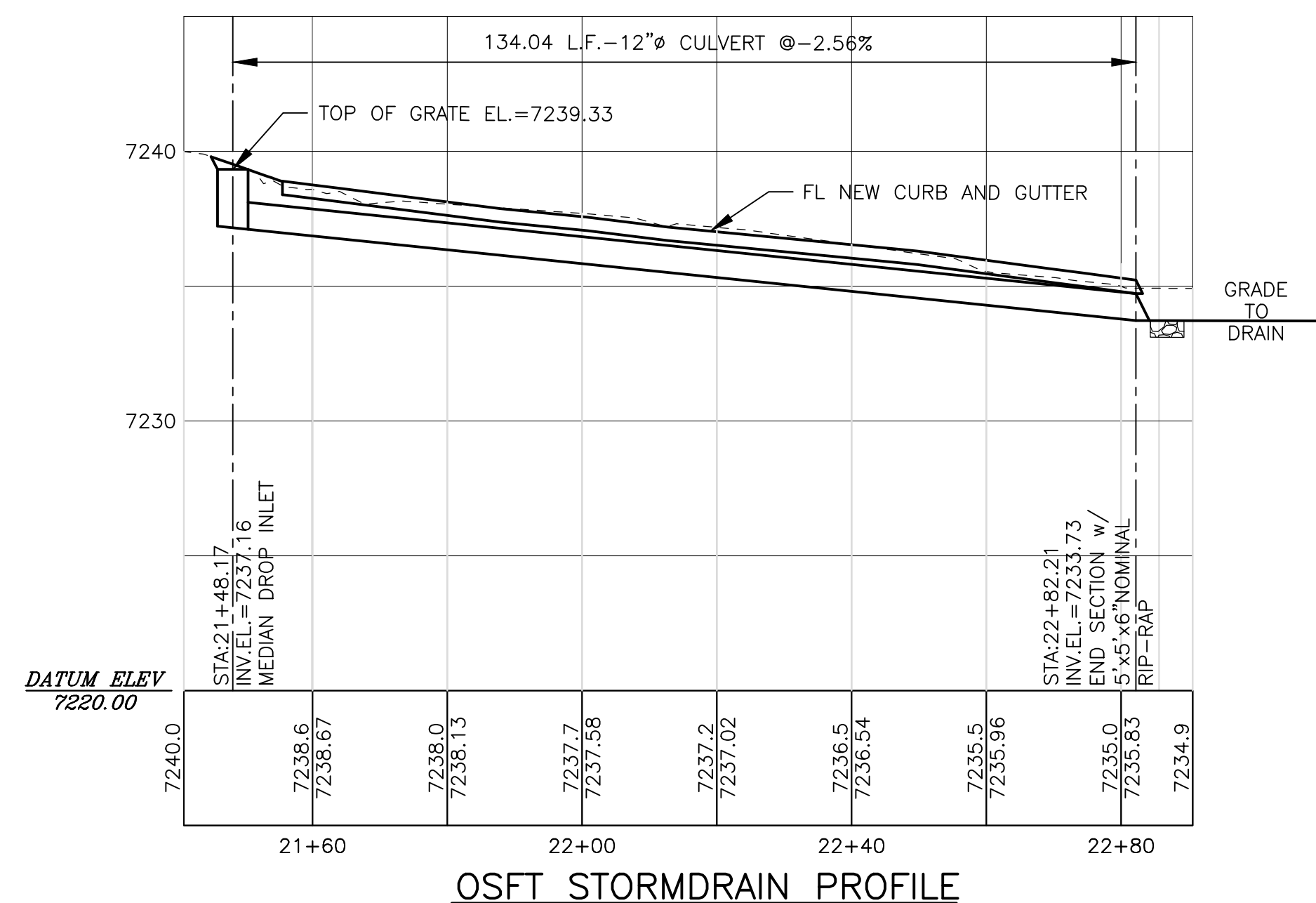


- NOTES**
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1984 EDITION.
 - CONCRETE FOR INLETS SHALL BE STRUCTURAL CONCRETE, CLASS "A". REINFORCING STEEL SHALL CONFORM TO AASHTO SPECIFICATION A-615, GRADE 40. STRUCTURAL STEEL SHALL CONFORM TO AASHTO SPECIFICATION M-183.
 - GRATING AND EXPOSED SURFACES OF SEAT ANGLES SHALL BE GIVEN ONE COAT OF APPROVED LEAD FREE PRIMER, APPLIED EITHER IN THE SHOP OR IN THE FIELD AT THE CONTRACTOR'S OPTION, AND TWO FIELD COATS OF ALUMINUM PAINT.



STORM DRAIN DROP INLET DETAILS

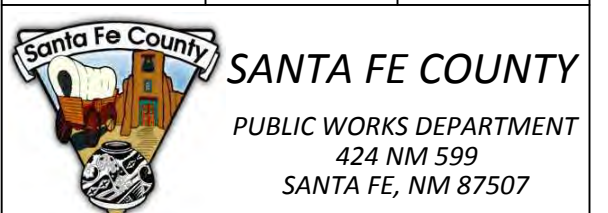
REFERENCE:
 NEW MEXICO DEPARTMENT OF TRANSPORTATION
 DRAWING "MDI-1, 1-2"
 3/4"=1'-0"



NOTICE OF EXTENDED PAYMENT PROVISION:
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REVISION

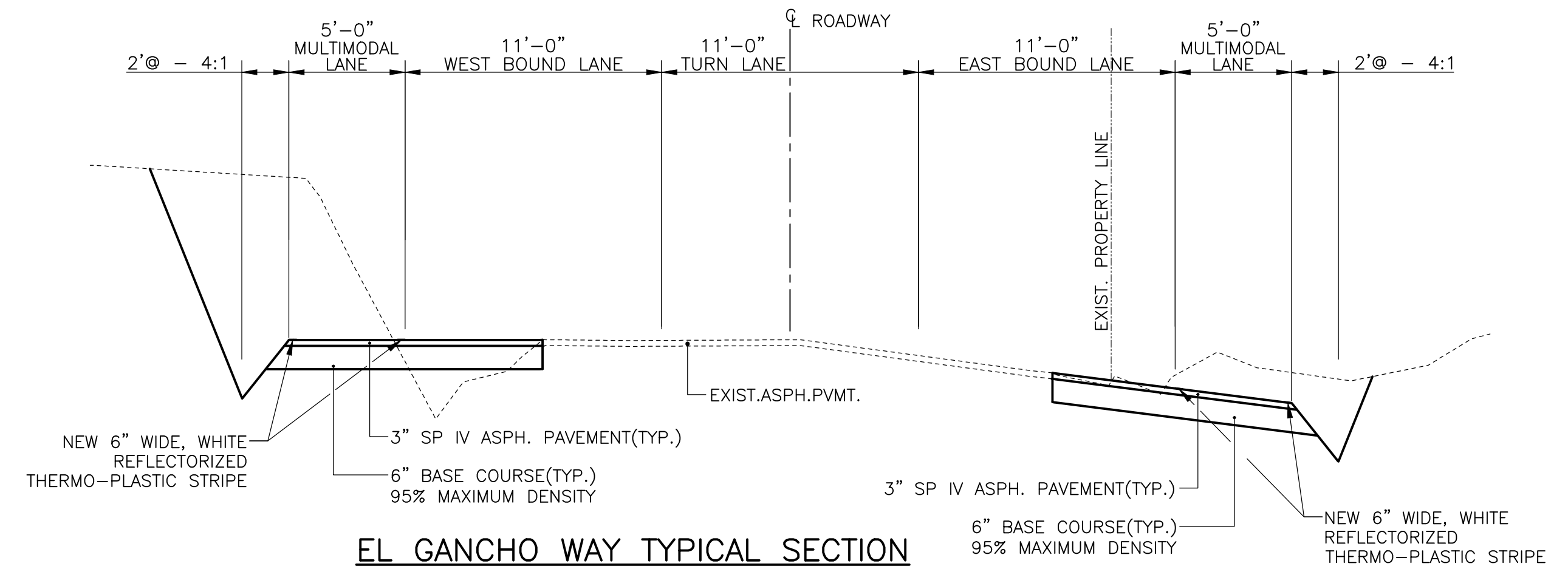
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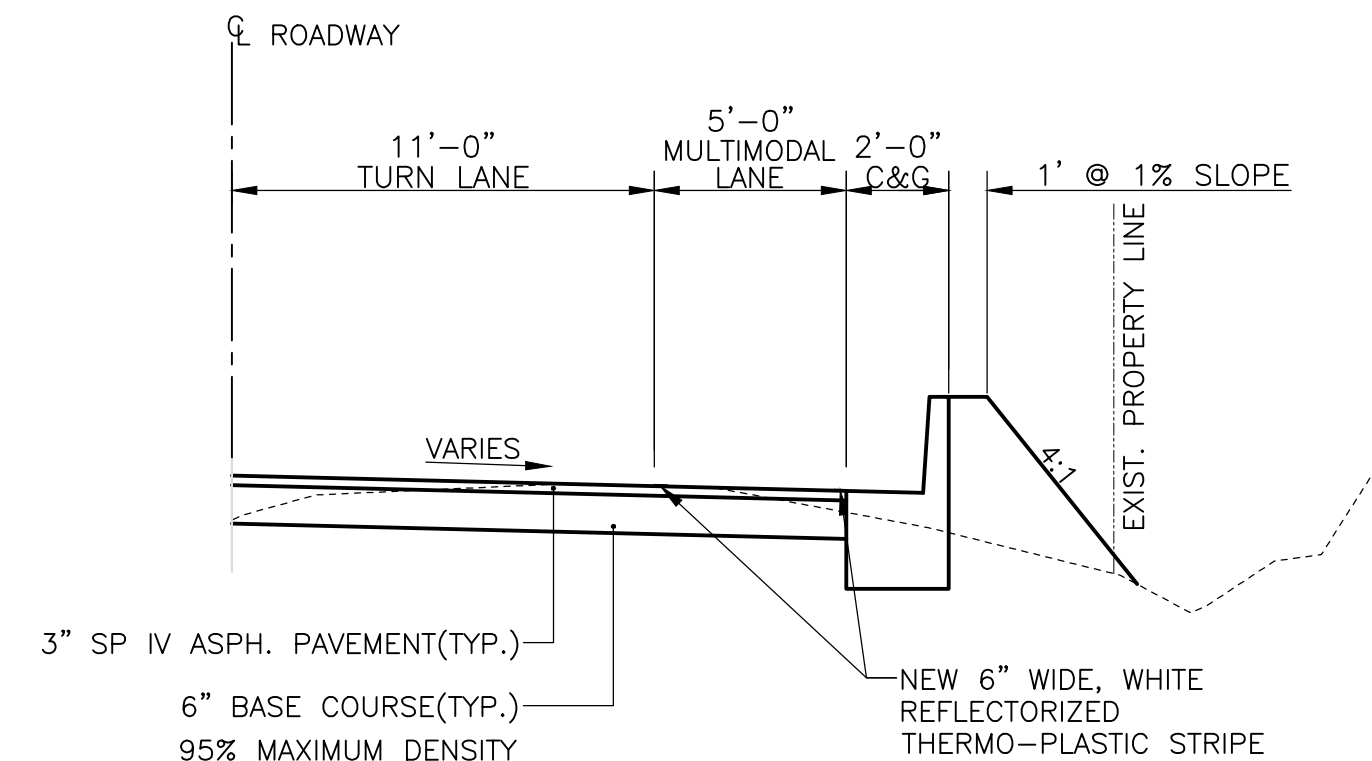
PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

**DRAINAGE
 DETAILS**

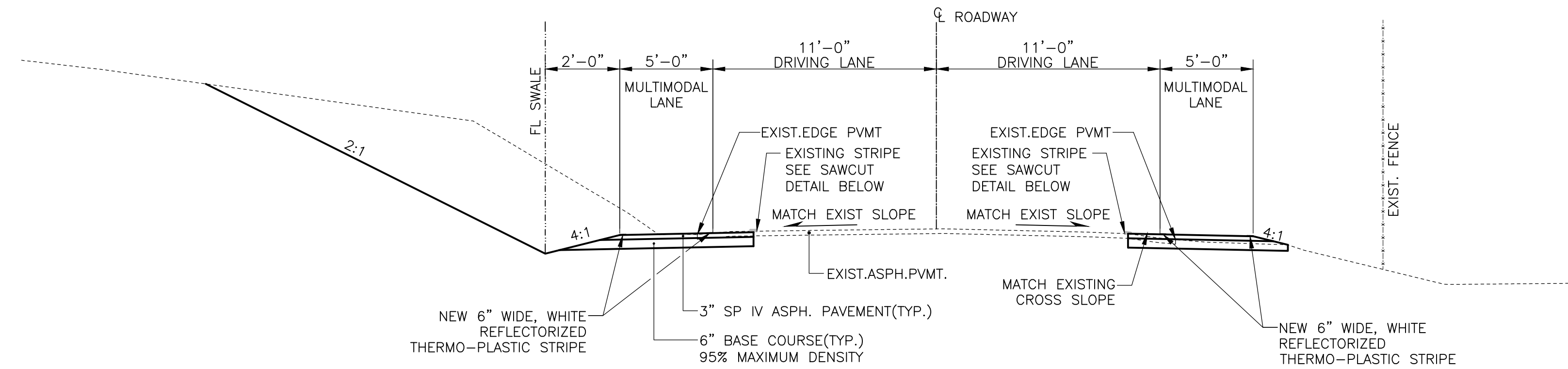
APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: G-007
DRAWN BY: J.LOVATO	



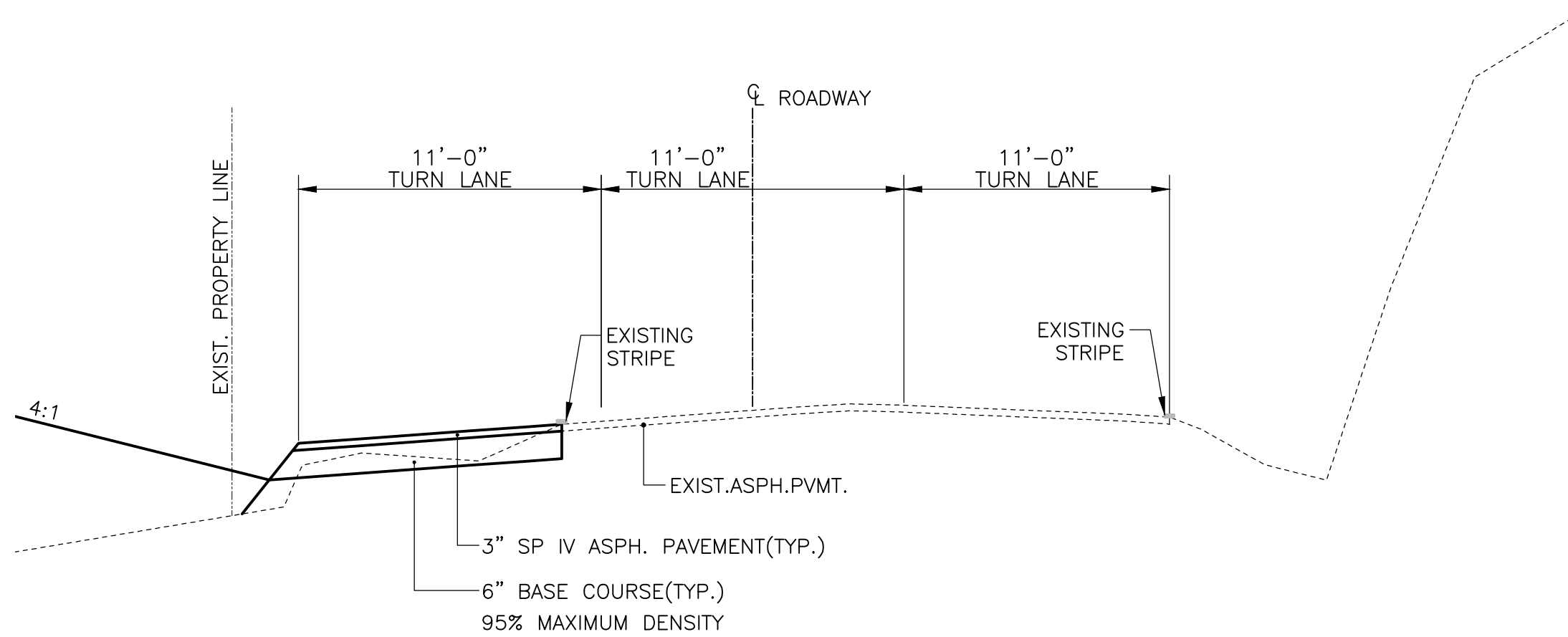
**EL GANCHO WAY TYPICAL SECTION
 STA.22+24+10 TO STA.23+00.00
 (OLD SANTA FE TRAIL)**
 N.T.S.



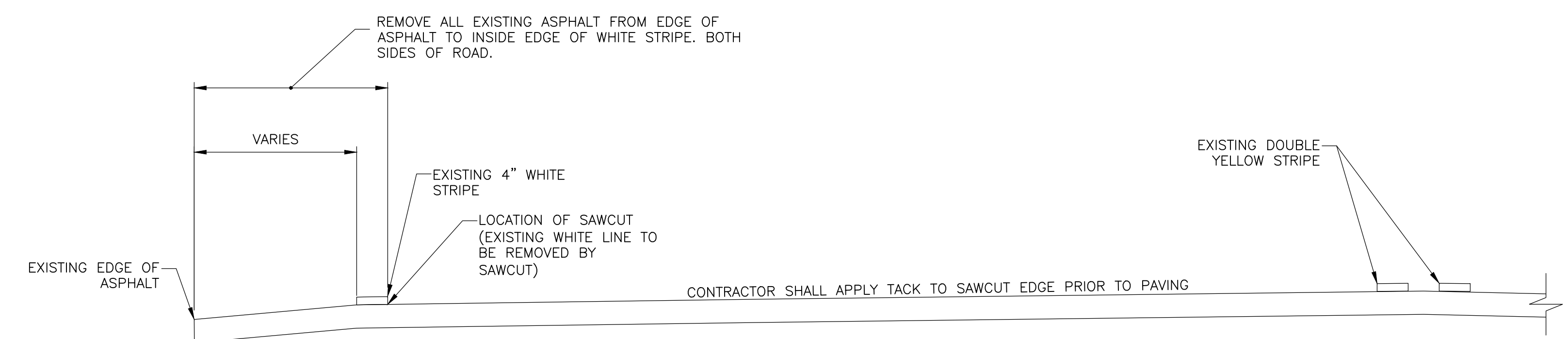
**OLD SANTA FE TRAIL TYPICAL SECTION
 STA.17+36.52 TO STA.21+29.03 (CURB ON RIGHT SIDE)
 STA.21+55.18 TO STA.22+82.19 (CURB ON RIGHT SIDE)
 STA.35+41.00 TO STA.36+91.03 (CURB ON LEFT SIDE)
 STA.50+71.97 TO STA.53+36.61 (CURB ON RIGHT SIDE)**
 N.T.S.



**TYPICAL MULTIMODAL LANE TYPICAL SECTION
 STA.10+00.00 TO STA.20+47.20 (EL GANCHO WAY)
 STA.15+03.07 TO STA.17+36.52 (OLD SANTA FE TRAIL)
 STA.26+02.48 TO STA.35+41.00 (OLD SANTA FE TRAIL)
 STA.36+91.03 TO STA.50+71.97 (OLD SANTA FE TRAIL)
 STA.53+36.62 TO STA.56+67.67 (OLD SANTA FE TRAIL)**
 SCALE: 1"=5'



**OLD SANTA FE TRAIL TYPICAL SECTION
 STA.10+91.50 TO STA.11+71.39**
 N.T.S.



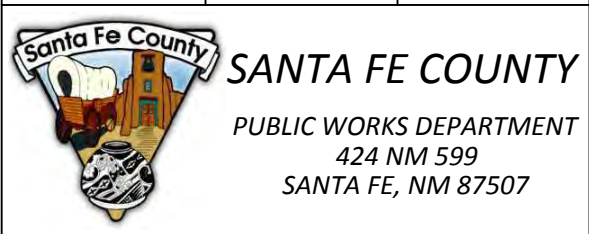
- NOTES:**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY ASPHALT THAT IS DAMAGED DURING CONSTRUCTION.
 2. CONTRACTOR MAY NOT SAWCUT EXISTING ASPHALT MORE THAN 3 DAYS BEFORE PLACING NEW ASPHALT PAVING.
 3. ERADICATION OF EXISTING PAVEMENT MARKINGS SHALL MEET THE MUTCD STANDARDS.

SAWCUT DETAIL
 N.T.S.



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REVISION		
SYMBOL:	DATE:	BY:



PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

TYPICAL ROADWAY SECTIONS

APPROVED: - REVIEWED: -
 DATE: NOV., 2014 SHEET: G-008
 DRAWN BY: J.LOVATO

ENVIRONMENTAL COMMITMENTS
SANTA FE COUNTY C5111204 OLD SANTA FE TRAIL

THE CONTRACTOR SHALL REFER TO SECTION 107 OF 2014 EDITION OF THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY DESIGN AND BRIDGE CONSTRUCTION MAKING SPECIAL NOTE OF SUB-SECTION 107.14 CONTRACTOR'S RESPONSIBILITIES FOR ENVIRONMENTAL AND CULTURAL RESOURCE APPROVAL.

- NO ADDITIONAL PROJECT SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY
- IN ADDITION TO SECTION 107, THE FOLLOWING PROJECT-SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY

1. THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING AS IDENTIFIED IN THE PLANS TO EXCLUDE CONSTRUCTION ACTIVITIES IN AREAS CONTAINING THE HISTORIC ROAD/TRAIL ALIGNMENT, A DESCANSO, THE 1910 SANTA FE NATIONAL HISTORIC TRAIL (SFNHT) ROADSIDE MARKER, AND A SURVEY BENCHMARK. THE NMDOT ENVIRONMENTAL SECTION REQUIRES THE FENCING BE INSTALLED IN CONJUNCTION WITH A QUALIFIED ARCHAEOLOGIST. THE CONTRACTOR AND SANTA FE COUNTY SHALL ENSURE A QUALIFIED ARCHAEOLOGIST IS PRESENT DURING FENCING.
2. IN THE EVENT THAT CULTURAL RESOURCE MATERIALS AND/OR HUMAN REMAINS ARE UNCOVERED DURING CONSTRUCTION OR EARTH-DISTURBING ACTIVITIES, THE CONTRACTOR SHALL IMMEDIATELY CEASE WORK IN THE AREA AND SHALL, IN COORDINATION WITH SANTA FE COUNTY, IMMEDIATELY NOTIFY THE NEW MEXICO DEPARTMENT OF TRANSPORTATION (NMDOT) ENVIRONMENTAL SECTION AND THE STATE HISTORIC PRESERVATION OFFICER (SHPO). IF BURIED ARCHEOLOGICAL OR CULTURAL DEPOSITS ARE DISCOVERED DURING CONSTRUCTION, WORK IN THE AREA SHALL CEASE WHILE THE SHPO, THE NMDOT, AND SANTA FE COUNTY ARE CONSULTED.
3. THE CONTRACTOR SHALL NOT TAKE MIGRATORY BIRDS, OCCUPIED NESTS, AND EGGS DURING THE PROJECT. IF CLEARING OF SHRUBS OR TREES BEGINS BETWEEN MARCH 1ST AND OCTOBER 15TH, THEN SANTA FE COUNTY SHALL CONDUCT A PRE-CONSTRUCTION NESTING BIRD SURVEY AND SUBMIT A LETTER REPORT TO THE NMDOT ENVIRONMENTAL DIVISION (GWYNETH DUNCAN 505-827-0751) AT LEAST 2 WEEKS PRIOR TO CONSTRUCTION. VACATED NESTS SHALL BE REMOVED DURING THE NON-NESTING SEASON (OCTOBER 16TH - FEBRUARY 28TH). IF THE GRAY VIREO IS PRESENT AND NESTING, THEN SANTA FE COUNTY SHALL ALSO COORDINATE WITH THE NEW MEXICO DEPARTMENT OF GAME AND FISH PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. THE ARROYOS WITHIN THE PROJECT AREA QUALIFY AS WATERS OF THE UNITED STATES. THE CONTRACTOR SHALL COMPLY WITH ALL GENERAL AND REGIONAL CONDITIONS FOR THE USE OF THE U.S. ARMY CORPS OF ENGINEERS NATIONWIDE PERMIT 14 (LINEAR TRANSPORTATION PROJECTS) FOR PROJECT AREA IMPACTS TO WATERS OF THE UNITED STATES (CLEAN WATER ACT SECTION 404). THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE NEW MEXICO ENVIRONMENT DEPARTMENT SURFACE WATER QUALITY BUREAU WATER QUALITY CERTIFICATION (CLEAN WATER ACT SECTION 401). THE PROJECT WILL FILL LESS THAN 1/10 ACRE OF WATERS OF THE UNITED STATES, AND NO SPECIAL AQUATIC SITES OR WETLANDS ARE PRESENT AT ANY ARROYO LOCATION. PRECONSTRUCTION NOTIFICATION TO THE U.S. ARMY CORPS OF ENGINEERS AND TO THE NEW MEXICO ENVIRONMENT DEPARTMENT IS NOT REQUIRED.
5. THE CONTRACTOR SHALL AVOID REFUELING OR STORING FUELS AND EQUIPMENT WITHIN THE 100-YEAR FLOODPLAIN. THE CONTRACTOR SHALL UTILIZE STANDARD BEST MANAGEMENT PRACTICES DURING CONSTRUCTION TO PREVENT IMPACTS TO SOILS AND SURFACE WATERS THAT COULD RESULT IN INDIRECT WATER QUALITY IMPACTS AS IS FEASIBLE FOR EXPECTED SEASONAL FLOWS.
6. THE CONTRACTOR SHALL MINIMIZE VEGETATION AND SOIL DISTURBANCE FOR ALL LOCATIONS WHERE EQUIPMENT WILL BE PARKED DURING CONSTRUCTION, AND THE CONTRACTOR SHALL ACQUIRE ENVIRONMENTAL AND CULTURAL RESOURCES CLEARANCES FOR THESE SITES IN ACCORDANCE WITH SECTION 107.14 OF THE 2007 EDITION OF THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.
7. THE CONTRACTOR SHALL COMPLY WITH NEW MEXICO DEPARTMENT OF GAME AND FISH TRENCHING GUIDELINES.
8. THE PROJECT WILL DISTURB MORE THAN ONE ACRE OF GROUND. THE CONTRACTOR SHALL COMPLY WITH THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT (CGP) PERMITTING (CLEAN WATER ACT SECTION 402). THE CONTRACTOR SHALL PREPARE AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND A TEMPORARY EROSION AND SEDIMENT CONTROL PLAN (TESCP) IN COMPLIANCE WITH SECTION 402 OF THE CLEAN WATER ACT. BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE INSTALLED AND MAINTAINED BOTH DURING AND AFTER CONSTRUCTION TO PREVENT, TO THE EXTENT PRACTICABLE, POLLUTANTS IN STORM WATER RUNOFF FROM ENTERING WATERS OF THE U.S. TEMPORARILY DISTURBED AREAS SHALL BE RE-VEGETATED AFTER CONSTRUCTION TO LIMIT EROSION POTENTIAL.
9. CERTIFIED WEED-FREE NATIVE SEED SHALL BE UTILIZED WHEN RESEEDING THE PROJECT AREA. TO PREVENT THE SPREAD OF NOXIOUS WEEDS, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL EQUIPMENT WITH A HIGH PRESSURE WASHER PRIOR TO ENTERING AND LEAVING THE PROJECT AREA. MATERIALS TRANSPORTED INTO OR OUT OF THE PROJECT AREA SHALL BE CAREFULLY INSPECTED TO AVOID THE INTRODUCTION OF ADDITIONAL NOXIOUS WEED SPECIES. MATERIAL SOURCES CONTAINING NOXIOUS WEED SEEDS SHALL NOT BE UTILIZED BY THE CONTRACTOR. MULCH AND COMPOST USED ON THE PROJECT MUST BE CERTIFIED NOXIOUS WEED FREE, AS REQUIRED BY SECTION 632 OF THE 2007 EDITION OF THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.

A. Blake Rodlow
 NMDOT ENVIRONMENTAL PROGRAM MANAGER
 DATE: 9-10-14



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PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

ENVIRONMENTAL
 COMMITMENT

APPROVED: -	REVIEWED: -
DATE: NOV. 2014	SHEET: G-009
DRAWN BY: J.LOVATO	

KEYED NOTES

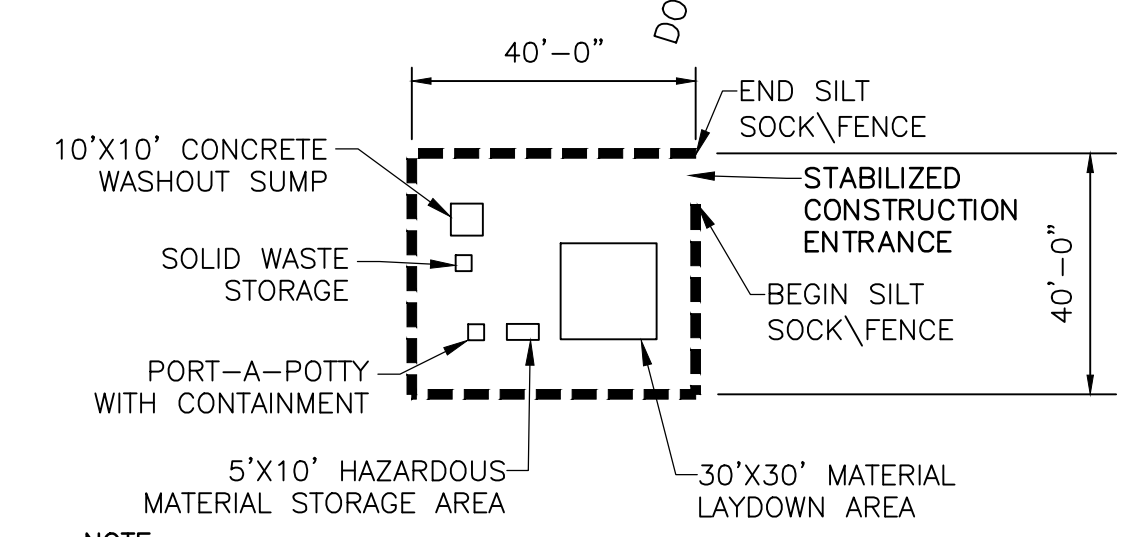
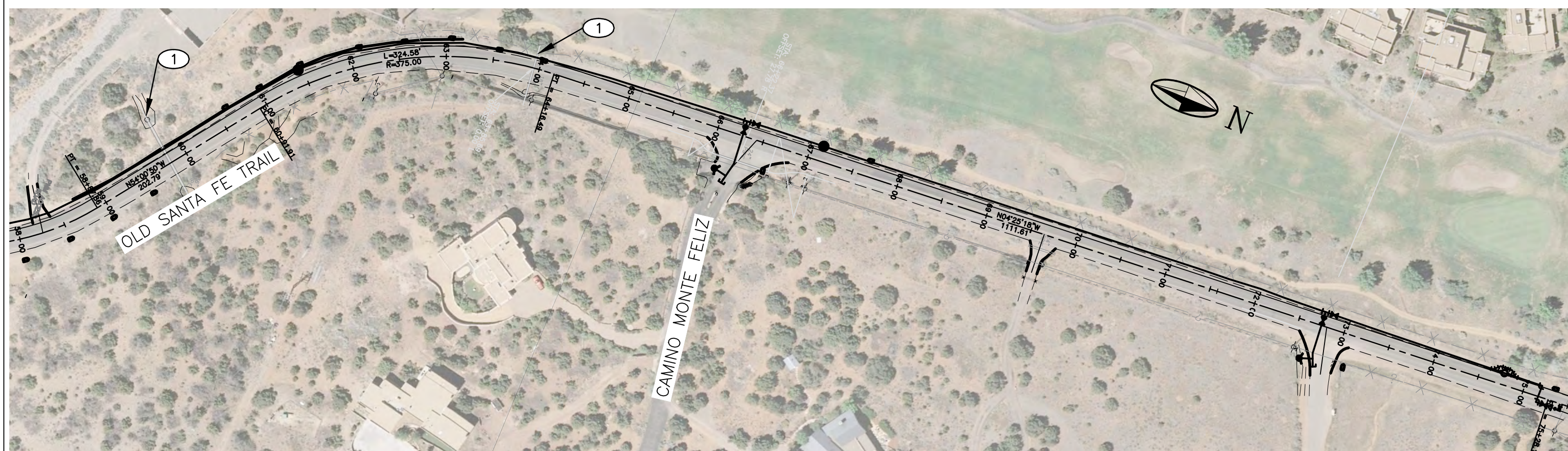
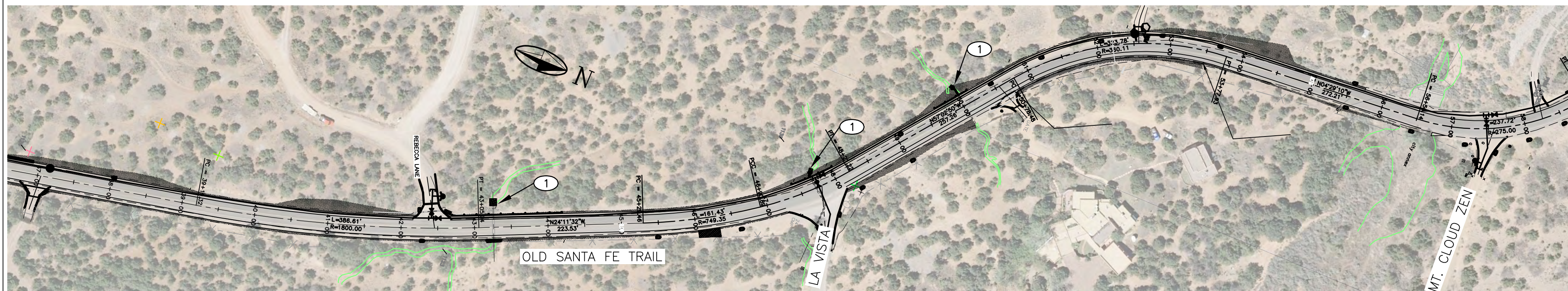
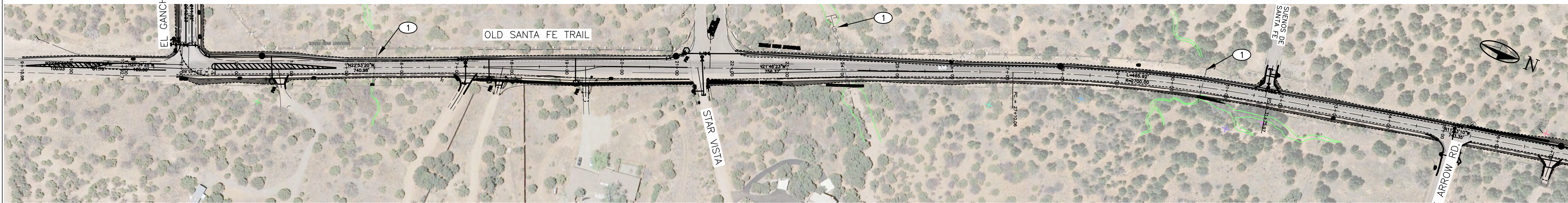
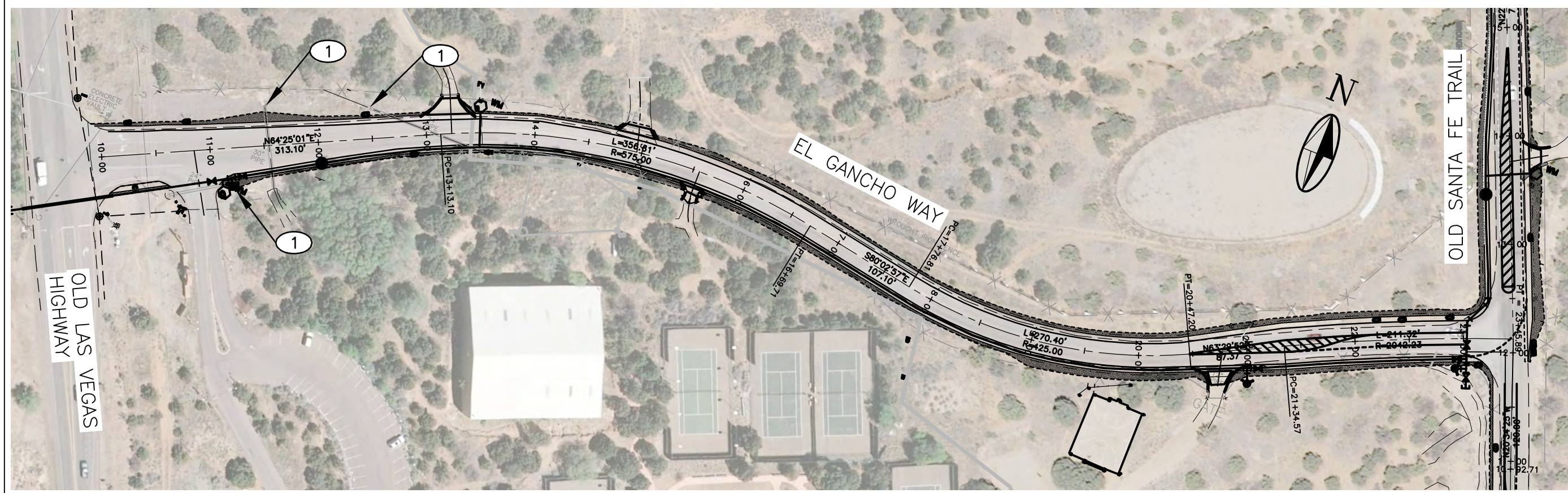
- ① INSTALL SEDIMENT CONTROL BMP'S. SEE SWPPP BOOK, FOR ADDITIONAL SEDIMENT AND EROSION CONTROL DETAILS.

GENERAL SWPPP NOTES:

1. RESEED ALL DISTURBED AREAS WITHIN THE GRADING LIMITS PER 31-25-01
2. NO WASHING OR FUELING OF EQUIPMENT ALLOWED ON SITE.
3. WATER MAY BE USED TO CONTROL DUST WITHIN THE LIMITS OF CONSTRUCTION WORK.
4. CONTRACTOR IS NOT TO GRADE OUTSIDE OF LIMITS SHOWN ON PLANS.
5. LOCATION FOR CONTRACTORS YARD HAS NOT BEEN DETERMINED. IF CONTRACTOR ELECTS TO MAKE ARRANGEMENTS FOR A YARD ON PRIVATE PROPERTY, HE SHALL COMPLY WITH ALL REQUIREMENTS OF THE SWPPP'S AND THE CONTRACT PLANS AND SHALL CONSTRUCT AND MAINTAIN A STABILIZED CONSTRUCTION ENTRANCE TO THE YARD.
7. SEE SWPPP BOOK, PREPARED BY MOLZEN-CORBIN & ASSOC. FOR ADDITIONAL SEDIMENT AND EROSION CONTROL DETAILS.

LEGEND

- NEW SILT FENCE/SOCK
- NEW INLET PROTECTION
- COBBLE OR CATTLE GUARD CONSTRUCTION ENTRANCE
- AREA DISCHARGES TO DESIGNATED FLOODPLAIN (NOT TO BE GRADED IN THIS CONTRACT)
- GRADING LIMITS

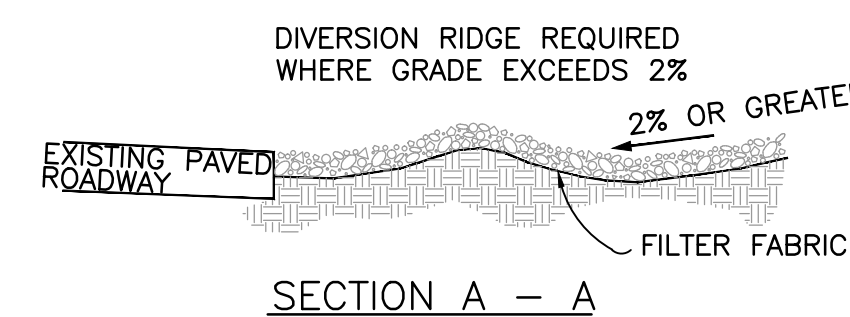


- NOTE:
1. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER TO DETERMINE THE BEST AREA TO PLACE THE LAYOUT AREA.

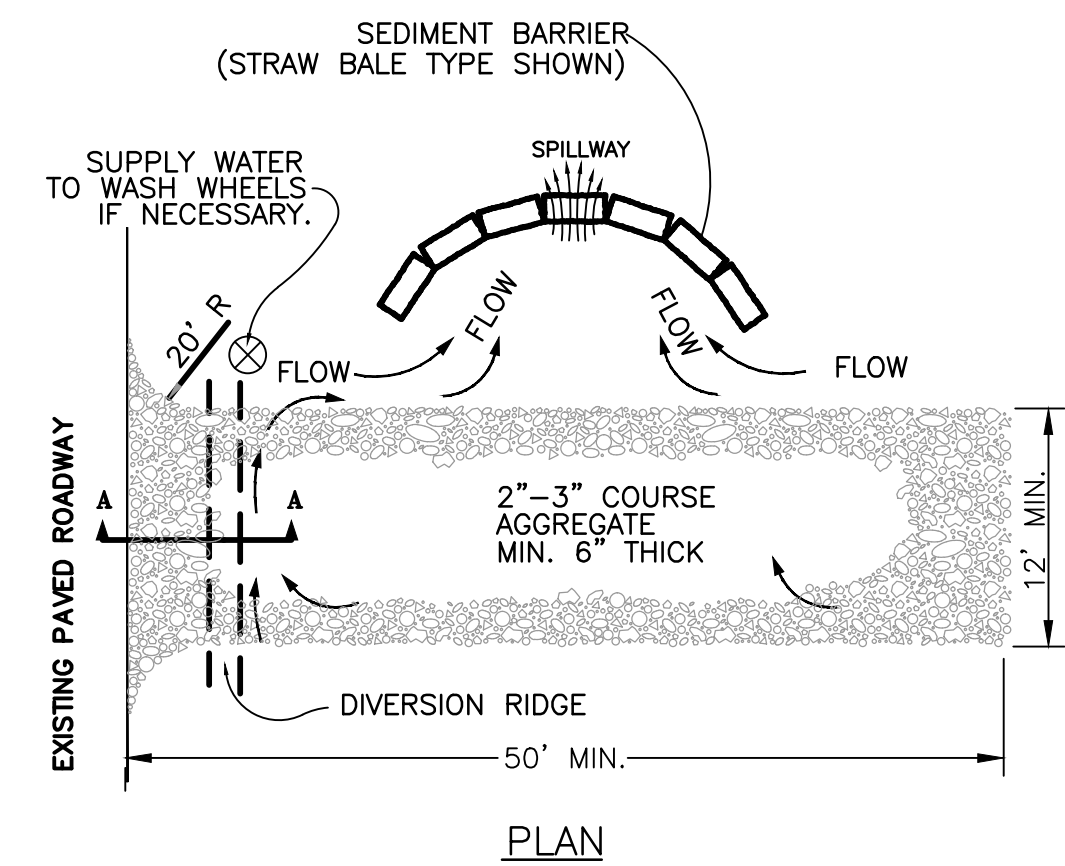
C1 TYPICAL LAYDOWN AREA LAYOUT
NTS

NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. USE SANDBAGS, STRAW BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED.
5. STABILIZE ALL DISTURBED PROJECT AREAS WITH STABILIZATION SEEDING AT END OF PROJECT CONSTRUCTION.
6. SWEEP AND REMOVE SEDIMENT TRACK OUT DAILY.



A1 STABILIZED CONSTRUCTION ENTRANCE
NTS



PLAN



NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:

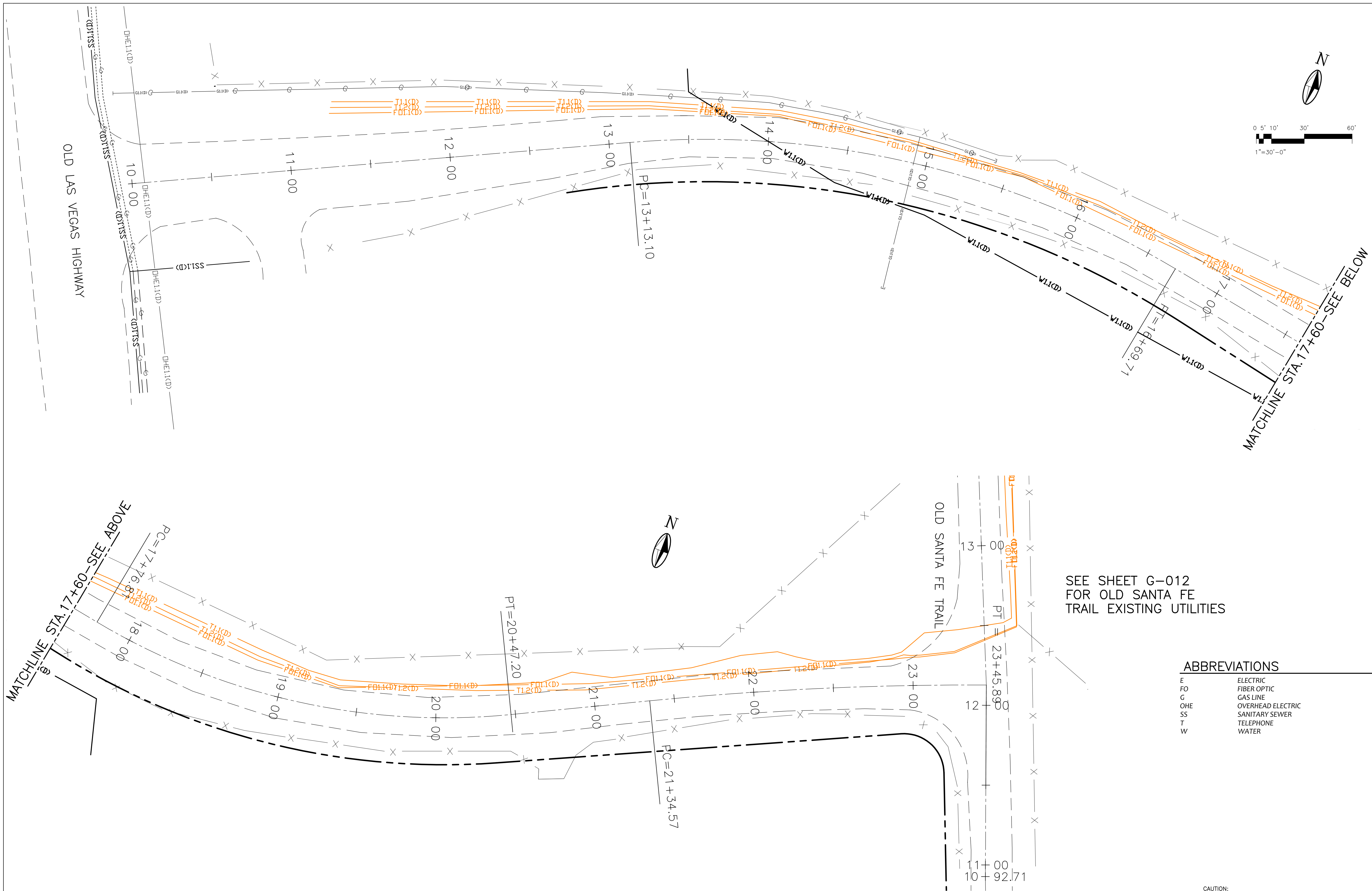
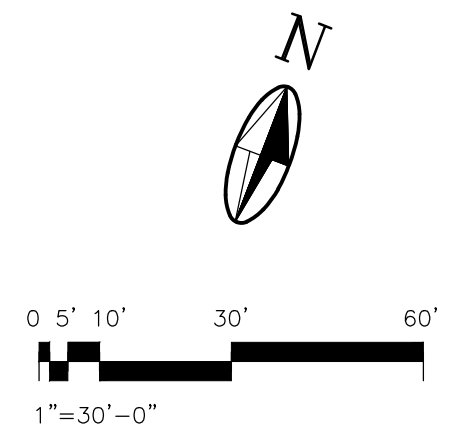


PROJECT NAME:
OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

SEDIMENT EROSION CONTROL AND RESEEDING PLAN

APPROVED: - REVIEWED: -
DATE: NOV., 2014 SHEET: G-010
DRAWN BY: J.LOVATO



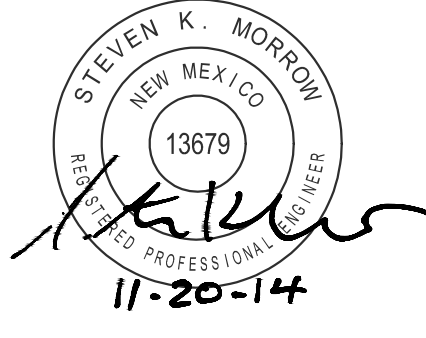


SEE SHEET G-012
 FOR OLD SANTA FE
 TRAIL EXISTING UTILITIES

ABBREVIATIONS

E	ELECTRIC
F0	FIBER OPTIC
G	GAS LINE
OHE	OVERHEAD ELECTRIC
SS	SANITARY SEWER
T	TELEPHONE
W	WATER

CAUTION:
 NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE SHOWN IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.



NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

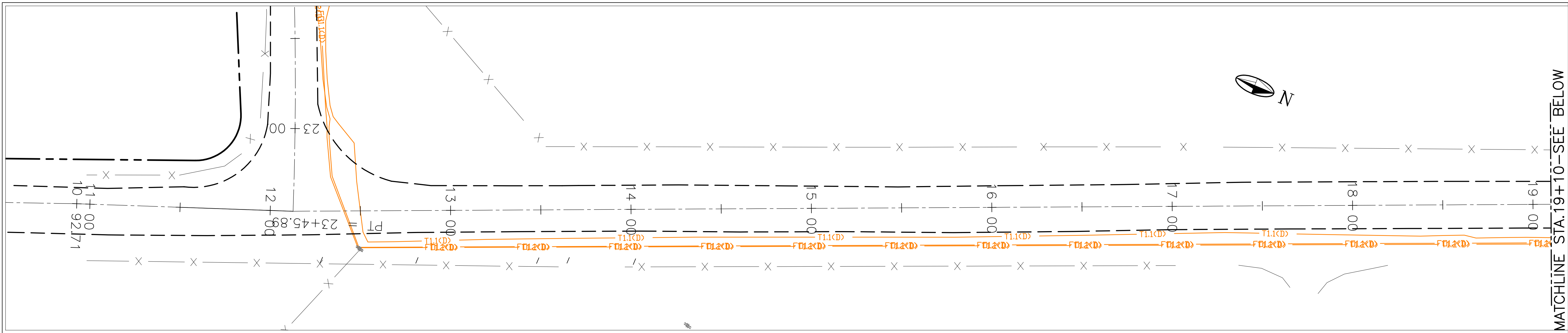
REVISION

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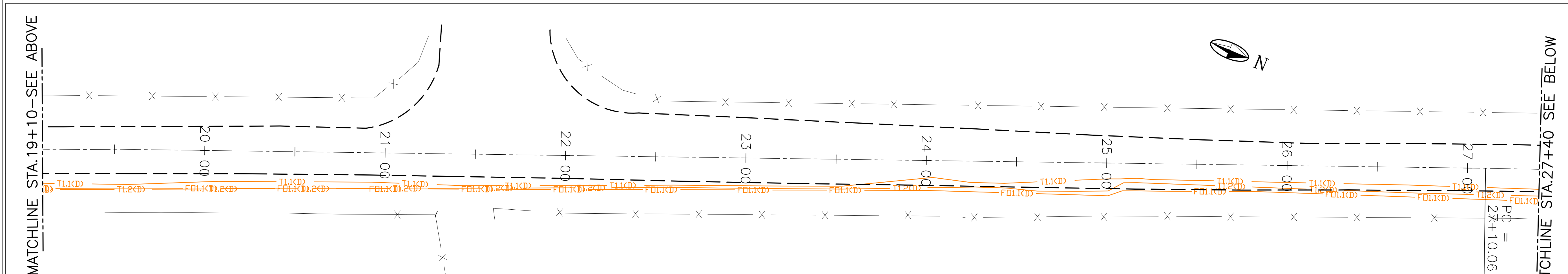


PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N
**EL GANCHO WAY
 EXISTING UTILITY PLAN**

APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: G-011
DRAWN BY: J.LOVATO	

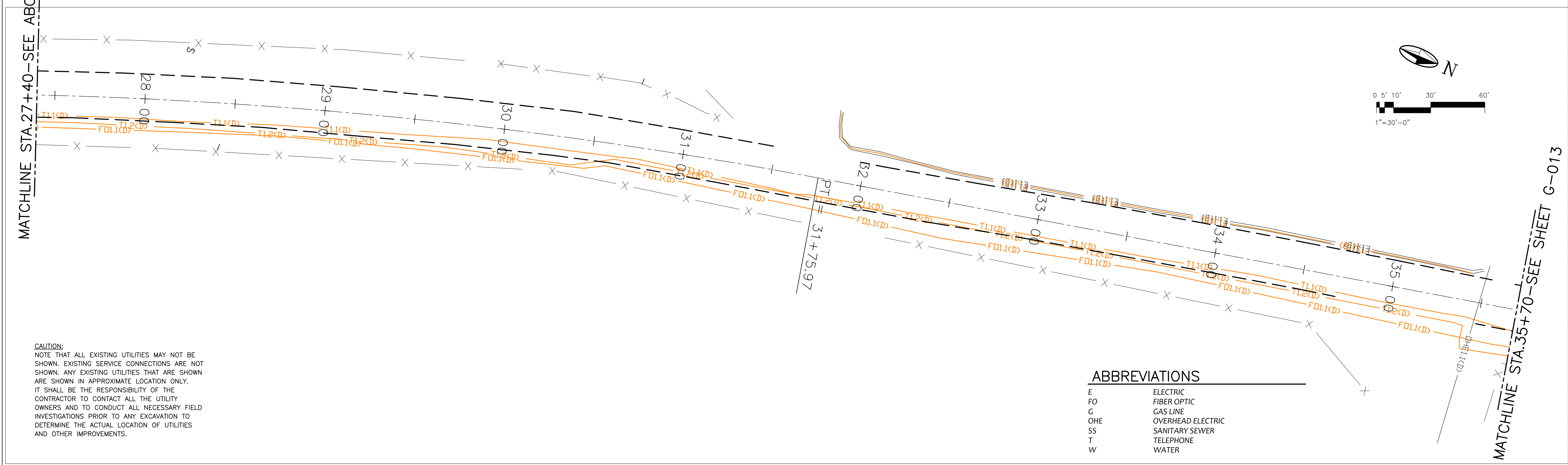


MATCHLINE STA. 19+10-SEE BELOW



MATCHLINE STA. 19+10-SEE ABOVE

MATCHLINE STA. 27+40-SEE BELOW



MATCHLINE STA. 27+40-SEE ABOVE

MATCHLINE STA. 35+70-SEE SHEET G-013



NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE
PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:



PROJECT NAME:
**OLD SANTA FE TRAIL
ROAD IMPROVEMENTS
AND
WATERLINE TL2N**

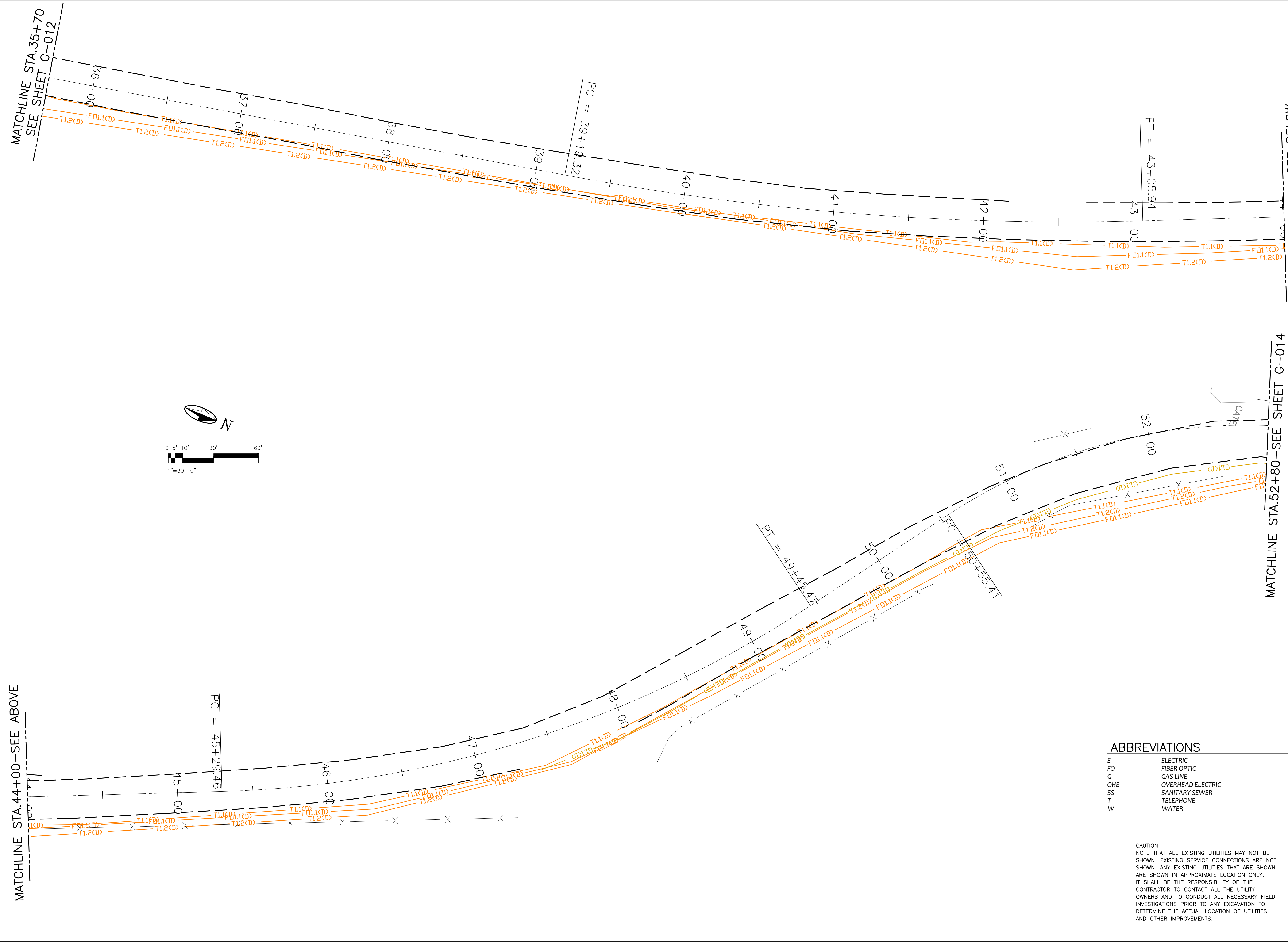
OLD SANTA FE TRAIL
EXISTING UTILITY PLAN

APPROVED: - REVIEWED: -
DATE: NOV., 2014 SHEET: G-012
DRAWN BY: J.LOVATO

ABBREVIATIONS

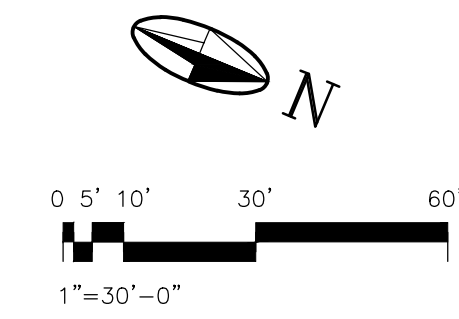
- E ELECTRIC
- FO FIBER OPTIC
- G GAS LINE
- OHE OVERHEAD ELECTRIC
- SS SANITARY SEWER
- T TELEPHONE
- W WATER

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE SHOWN IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.



MATCHLINE STA. 44+00—SEE BELOW

MATCHLINE STA. 52+80—SEE SHEET G-014



ABBREVIATIONS

E	ELECTRIC
FO	FIBER OPTIC
G	GAS LINE
OHE	OVERHEAD ELECTRIC
SS	SANITARY SEWER
T	TELEPHONE
W	WATER

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE SHOWN IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.



NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:



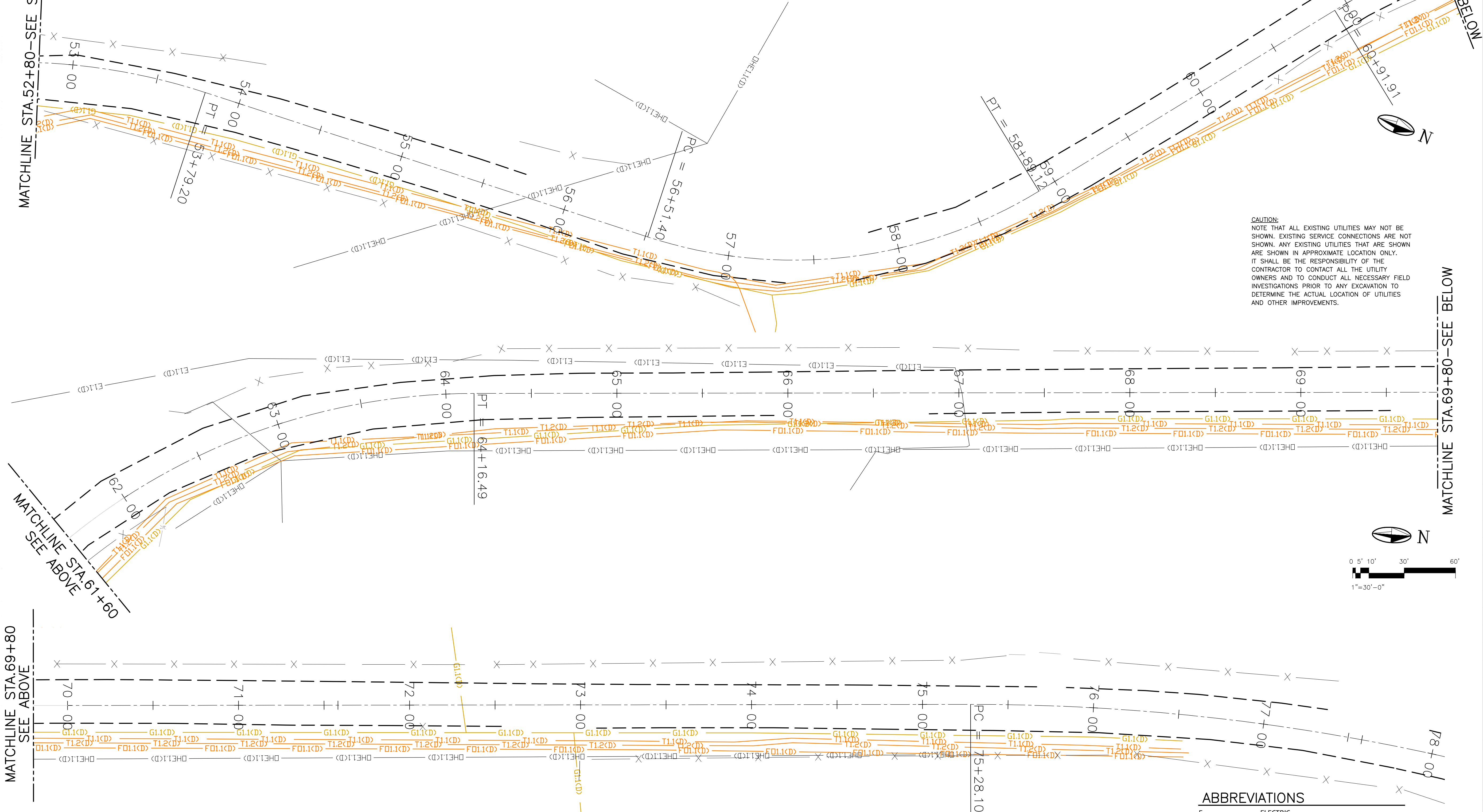
PROJECT NAME:
OLD SANTA FE TRAIL
ROAD IMPROVEMENTS
AND
WATERLINE TL2N

OLD SANTA FE TRAIL
EXISTING UTILITY PLAN

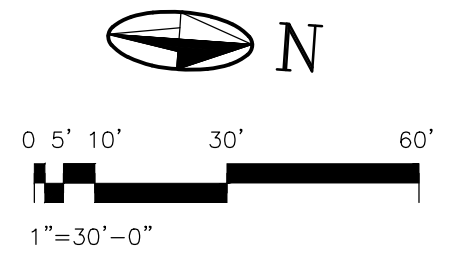
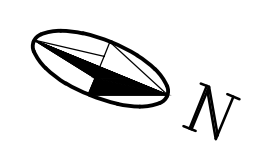
APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: G-013
DRAWN BY: J. LOVATO	

MATCHLINE STA. 52+80—SEE SHEET G-013

MATCHLINE STA. 61+60—SEE BELOW



CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE SHOWN IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.



MATCHLINE STA. 69+80
SEE ABOVE

MATCHLINE STA. 69+80—SEE BELOW



NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:



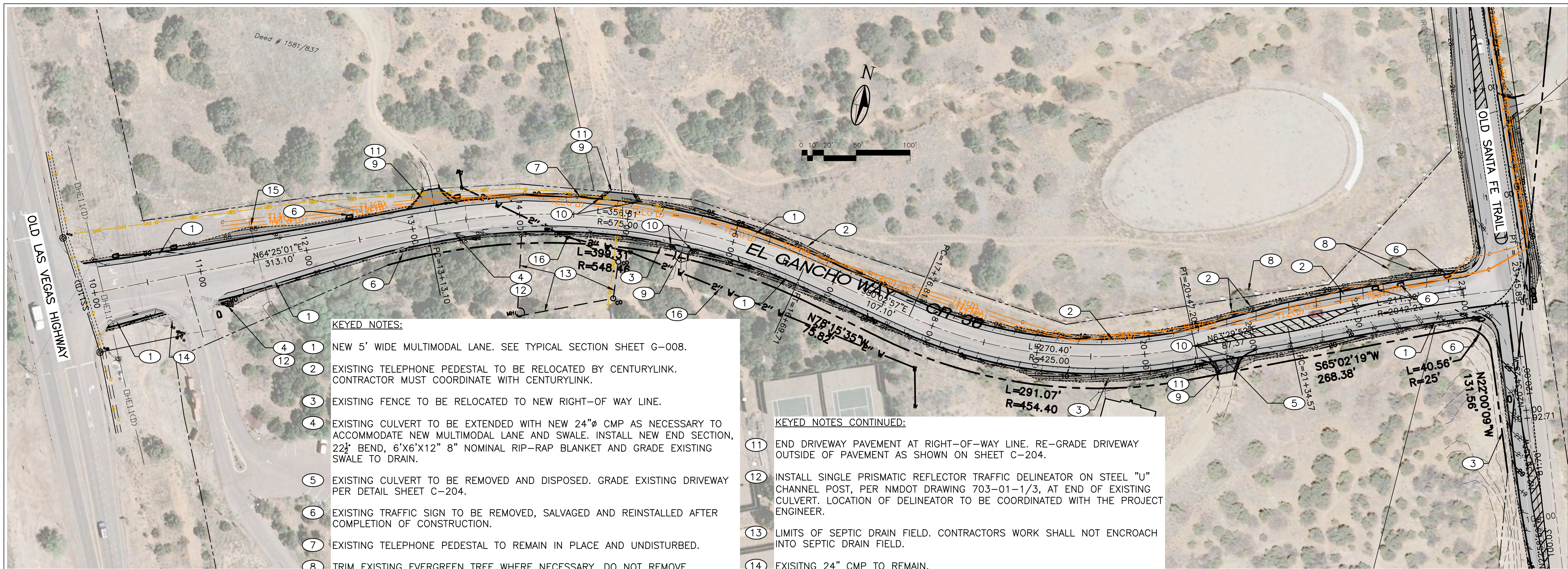
PROJECT NAME:
OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

OLD SANTA FE TRAIL EXISTING UTILITY PLAN

APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: G-014
DRAWN BY: J.LOVATO	

ABBREVIATIONS

E	ELECTRIC
FO	FIBER OPTIC
G	GAS LINE
OHE	OVERHEAD ELECTRIC
SS	SANITARY SEWER
T	TELEPHONE
W	WATER



KEYED NOTES:

- 1 NEW 5' WIDE MULTIMODAL LANE. SEE TYPICAL SECTION SHEET G-008.
- 2 EXISTING TELEPHONE PEDESTAL TO BE RELOCATED BY CENTURYLINK. CONTRACTOR MUST COORDINATE WITH CENTURYLINK.
- 3 EXISTING FENCE TO BE RELOCATED TO NEW RIGHT-OF-WAY LINE.
- 4 EXISTING CULVERT TO BE EXTENDED WITH NEW 24"Ø CMP AS NECESSARY TO ACCOMMODATE NEW MULTIMODAL LANE AND SWALE. INSTALL NEW END SECTION, 22½" BEND, 6"X6"X12" 8" NOMINAL RIP-RAP BLANKET AND GRADE EXISTING SWALE TO DRAIN.
- 5 EXISTING CULVERT TO BE REMOVED AND DISPOSED. GRADE EXISTING DRIVEWAY PER DETAIL SHEET C-204.
- 6 EXISTING TRAFFIC SIGN TO BE REMOVED, SALVAGED AND REINSTALLED AFTER COMPLETION OF CONSTRUCTION.
- 7 EXISTING TELEPHONE PEDESTAL TO REMAIN IN PLACE AND UNDISTURBED.
- 8 TRIM EXISTING EVERGREEN TREE WHERE NECESSARY. DO NOT REMOVE.
- 9 GRADE AND PAVE EXISTING DRIVEWAY PER SHEET C-203.
- 10 INSTALL 3'X10'X12" 8" NOMINAL RIP-RAP BLANKET.

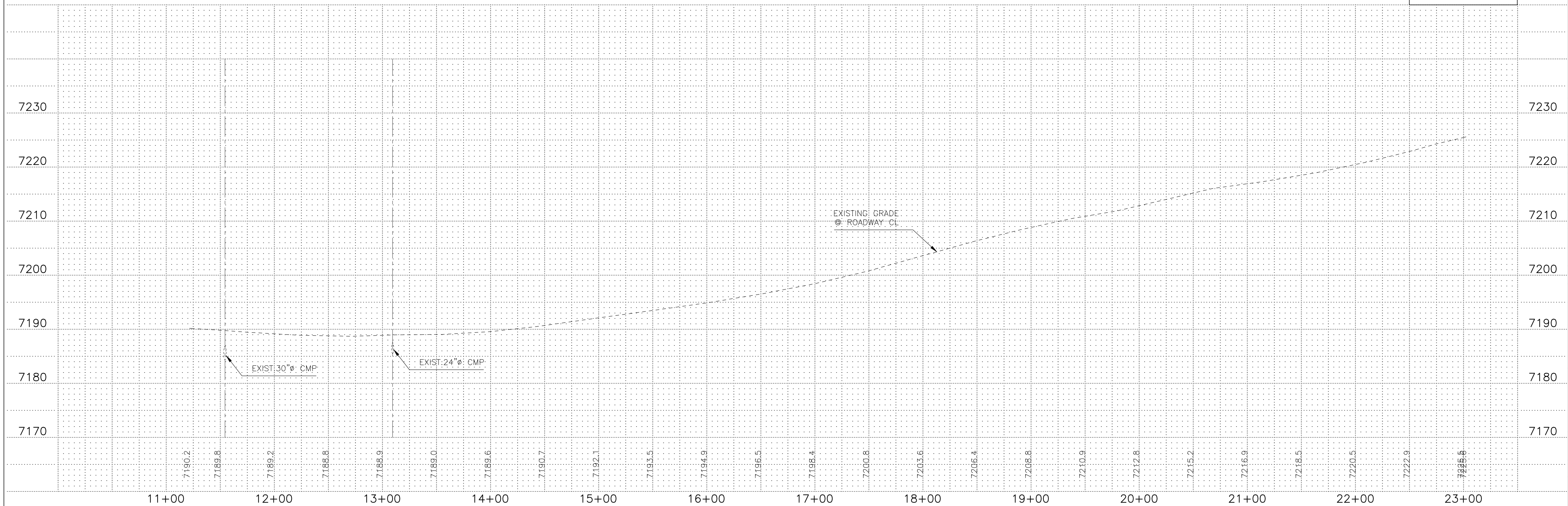
KEYED NOTES CONTINUED:

- 11 END DRIVEWAY PAVEMENT AT RIGHT-OF-WAY LINE. RE-GRADE DRIVEWAY OUTSIDE OF PAVEMENT AS SHOWN ON SHEET C-204.
- 12 INSTALL SINGLE PRISMATIC REFLECTOR TRAFFIC DELINEATOR ON STEEL "U" CHANNEL POST, PER NMDOT DRAWING 703-01-1/3, AT END OF EXISTING CULVERT. LOCATION OF DELINEATOR TO BE COORDINATED WITH THE PROJECT ENGINEER.
- 13 LIMITS OF SEPTIC DRAIN FIELD. CONTRACTORS WORK SHALL NOT ENCROACH INTO SEPTIC DRAIN FIELD.
- 14 EXISTING 24" CMP TO REMAIN.
- 15 EXISTING 30" CMP TO REMAIN.
- 16 EXISTING 2" WATERLINE TO REMAIN

GENERAL NOTE:

CONTRACTOR SHALL AVOID DISTURBING EXISTING ROADSIDE AND ROADSIDE VEGETATION WHEREVER POSSIBLE.

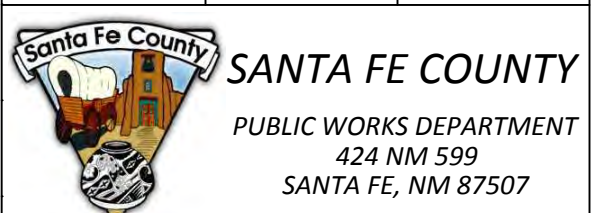
SCALE: 1"=50' HORIZ
1"=10' VERT



NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE
PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:

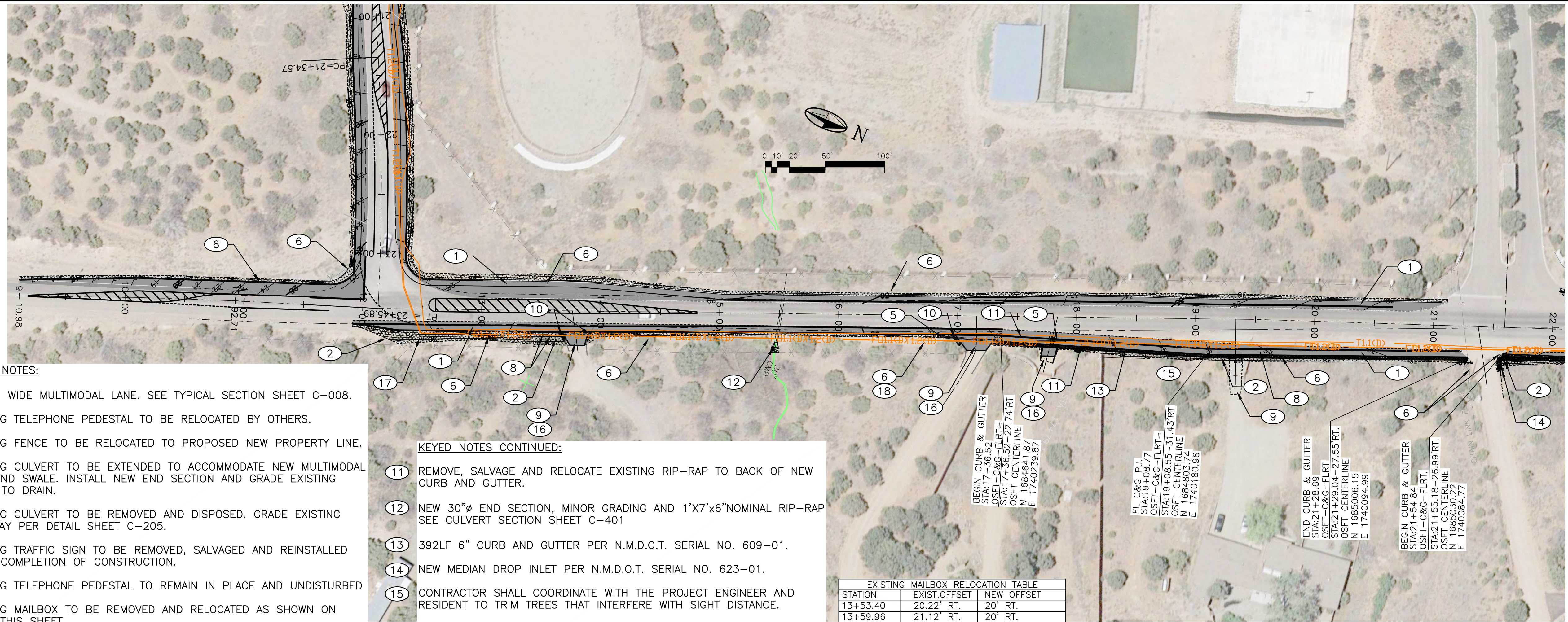


SANTA FE COUNTY
PUBLIC WORKS DEPARTMENT
424 NM 599
SANTA FE, NM 87507

PROJECT NAME:
**OLD SANTA FE TRAIL
ROAD IMPROVEMENTS
AND
WATERLINE TL2N**

**EL GANCHO WAY
PLAN AND PROFILE**

APPROVED: - REVIEWED: -
DATE: NOV., 2014 SHEET:
DRAWN BY: J.LOVATO C-101



KEYED NOTES:

- ① NEW 5' WIDE MULTIMODAL LANE. SEE TYPICAL SECTION SHEET G-008.
- ② EXISTING TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS.
- ③ EXISTING FENCE TO BE RELOCATED TO PROPOSED NEW PROPERTY LINE.
- ④ EXISTING CULVERT TO BE EXTENDED TO ACCOMMODATE NEW MULTIMODAL LANE AND SWALE. INSTALL NEW END SECTION AND GRADE EXISTING SWALE TO DRAIN.
- ⑤ EXISTING CULVERT TO BE REMOVED AND DISPOSED. GRADE EXISTING DRIVEWAY PER DETAIL SHEET C-205.
- ⑥ EXISTING TRAFFIC SIGN TO BE REMOVED, SALVAGED AND REINSTALLED AFTER COMPLETION OF CONSTRUCTION.
- ⑦ EXISTING TELEPHONE PEDESTAL TO REMAIN IN PLACE AND UNDISTURBED
- ⑧ EXISTING MAILBOX TO BE REMOVED AND RELOCATED AS SHOWN ON TABLE THIS SHEET.
- ⑨ GRADE AND PAVE EXISTING DRIVEWAY SHOWN ON SHEET C-205.
- ⑩ INSTALL 3'X10'X12" 8" NOMINAL RIP-RAP BLANKET.

KEYED NOTES CONTINUED:

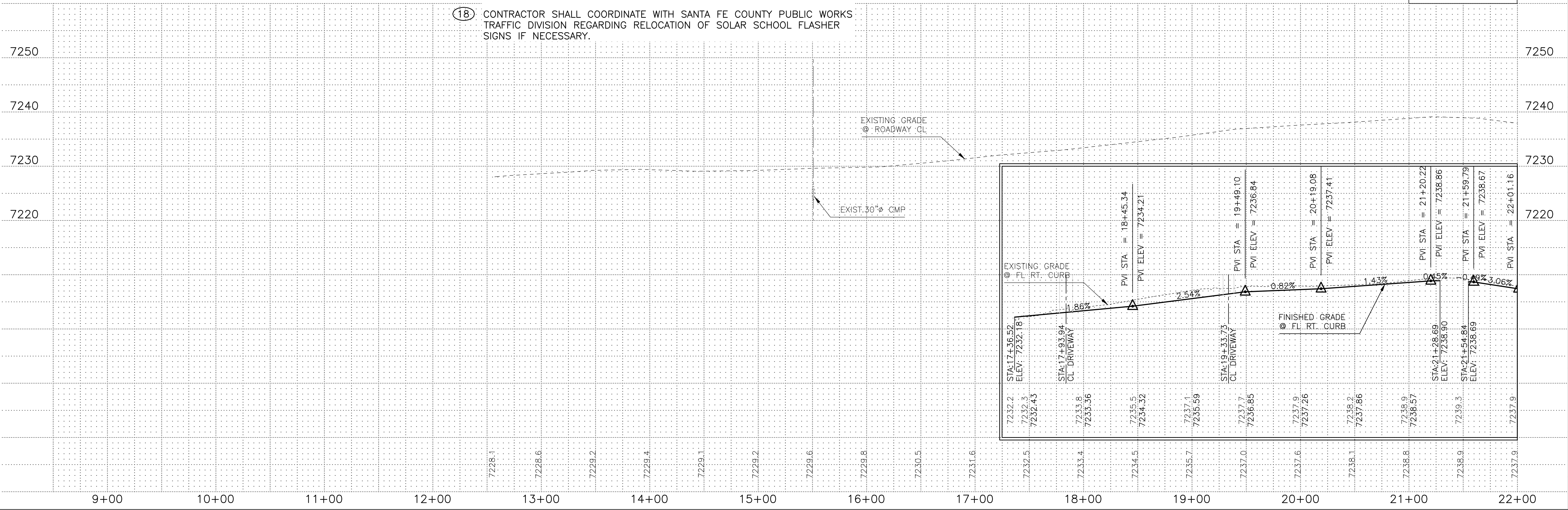
- ⑪ REMOVE, SALVAGE AND RELOCATE EXISTING RIP-RAP TO BACK OF NEW CURB AND GUTTER.
- ⑫ NEW 30"Ø END SECTION, MINOR GRADING AND 1'X7'X6" NOMINAL RIP-RAP SEE CULVERT SECTION SHEET C-401
- ⑬ 392LF 6" CURB AND GUTTER PER N.M.D.O.T. SERIAL NO. 609-01.
- ⑭ NEW MEDIAN DROP INLET PER N.M.D.O.T. SERIAL NO. 623-01.
- ⑮ CONTRACTOR SHALL COORDINATE WITH THE PROJECT ENGINEER AND RESIDENT TO TRIM TREES THAT INTERFERE WITH SIGHT DISTANCE.
- ⑯ END DRIVEWAY PAVEMENT AT RIGHT-OF-WAY LINE. RE-GRADE DRIVEWAY OUTSIDE OF PAVEMENT AS SHOWN ON SHEET C-205.
- ⑰ ADJUST EXISTING COMMUNICATIONS MANHOLE RING AND COVER TO NEW FINISHED GRADE.
- ⑱ CONTRACTOR SHALL COORDINATE WITH SANTA FE COUNTY PUBLIC WORKS TRAFFIC DIVISION REGARDING RELOCATION OF SOLAR SCHOOL FLASHER SIGNS IF NECESSARY.

STATION	EXIST.OFFSET	NEW OFFSET
13+53.40	20.22' RT.	20' RT.
13+59.96	21.12' RT.	20' RT.
17+66.33	19.48' RT.	27' RT.
17+67.47	19.29' RT.	27' RT.
19+53.44	24.91' RT.	33' RT.
21+03.54	23.92' LT.	DO NOT DISTURB
52+50.33	13.00' LT.	21' LT.

GENERAL NOTE:

CONTRACTOR SHALL AVOID DISTURBING EXISTING ROADSIDE AND ROADSIDE VEGETATION WHEREVER POSSIBLE.

SCALE: 1"=50' HORIZ
1"=10' VERT



NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE
PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

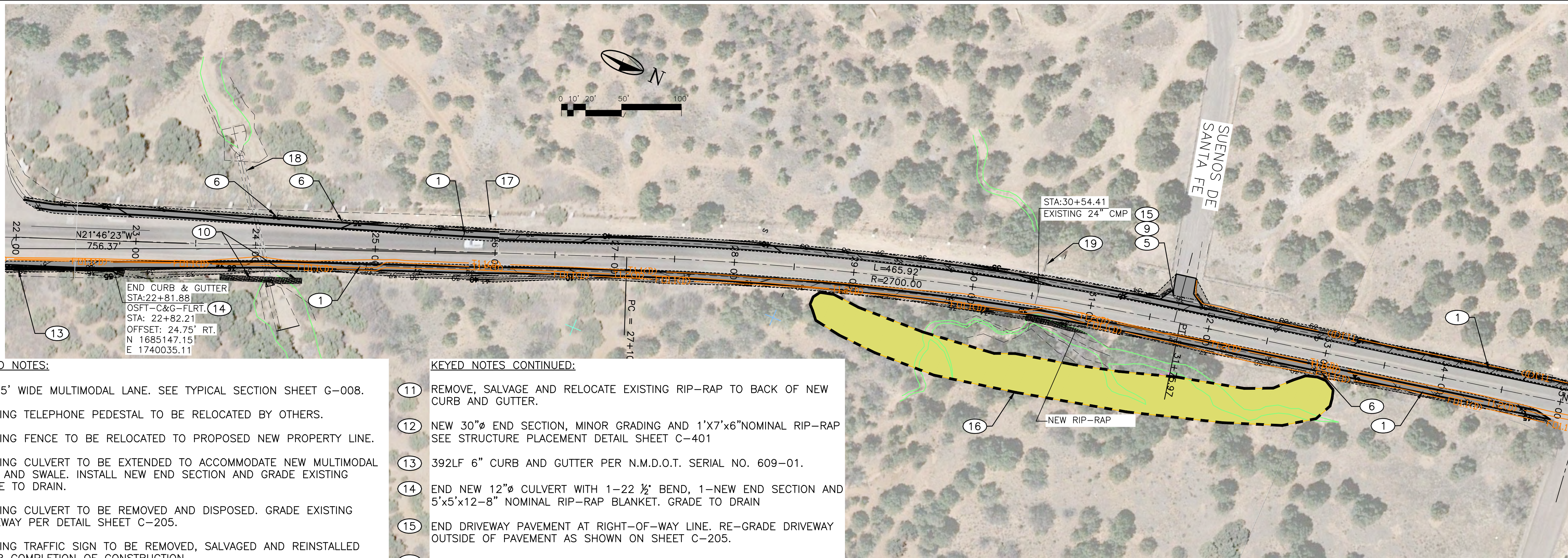
SYMBOL:	DATE:	BY:



PROJECT NAME:
**OLD SANTA FE TRAIL
ROAD IMPROVEMENTS
AND
WATERLINE TL2N**

OLD SANTA FE TRAIL - ROADWAY PLAN
AND PROFILE B.O.P. TO STA. 22+00

APPROVED: -	REVIEWED: -
DATE: SEPT, 2014	SHEET: C-102
DRAWN BY: J.LOVATO	



KEYED NOTES:

- ① NEW 5' WIDE MULTIMODAL LANE. SEE TYPICAL SECTION SHEET G-008.
- ② EXISTING TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS.
- ③ EXISTING FENCE TO BE RELOCATED TO PROPOSED NEW PROPERTY LINE.
- ④ EXISTING CULVERT TO BE EXTENDED TO ACCOMMODATE NEW MULTIMODAL LANE AND SWALE. INSTALL NEW END SECTION AND GRADE EXISTING SWALE TO DRAIN.
- ⑤ EXISTING CULVERT TO BE REMOVED AND DISPOSED. GRADE EXISTING DRIVEWAY PER DETAIL SHEET C-205.
- ⑥ EXISTING TRAFFIC SIGN TO BE REMOVED, SALVAGED AND REINSTALLED AFTER COMPLETION OF CONSTRUCTION.
- ⑦ EXISTING TELEPHONE PEDESTAL TO REMAIN IN PLACE AND UNDISTURBED
- ⑧ EXISTING MAILBOX TO BE REMOVED AND RELOCATED AS SHOWN ON TABLE THIS SHEET.
- ⑨ GRADE AND PAVE EXISTING DRIVEWAY SHOWN ON SHEET C-205.
- ⑩ 4.5'x37' AND 4.5'x13' x 12"- 8" NOMINAL RIP-RAP. DO NOT DISTURB EXISTING SLOPE BELOW TOP OF EXISTING CULVERT.

KEYED NOTES CONTINUED:

- ⑪ REMOVE, SALVAGE AND RELOCATE EXISTING RIP-RAP TO BACK OF NEW CURB AND GUTTER.
- ⑫ NEW 30"Ø END SECTION, MINOR GRADING AND 1'X7'x6" NOMINAL RIP-RAP SEE STRUCTURE PLACEMENT DETAIL SHEET C-401
- ⑬ 392LF 6" CURB AND GUTTER PER N.M.D.O.T. SERIAL NO. 609-01.
- ⑭ END NEW 12"Ø CULVERT WITH 1-22 1/2' BEND, 1-NEW END SECTION AND 5'x5'x12-8" NOMINAL RIP-RAP BLANKET. GRADE TO DRAIN
- ⑮ END DRIVEWAY PAVEMENT AT RIGHT-OF-WAY LINE. RE-GRADE DRIVEWAY OUTSIDE OF PAVEMENT AS SHOWN ON SHEET C-205.
- ⑯ THIS AREA THAT IS ABSOLUTELY NOT TO BE DISTURBED BY THE CONTRACTOR.
- ⑰ CONTRACTOR SHALL COORDINATE WITH SANTA FE COUNTY PUBLIC WORKS TRAFFIC DIVISION REGARDING RELOCATION OF SOLAR SCHOOL FLASHER SIGNS IF NECESSARY.
- ⑱ EXISTING 60" CMP.
- ⑳ EXISTING 24" CMP.

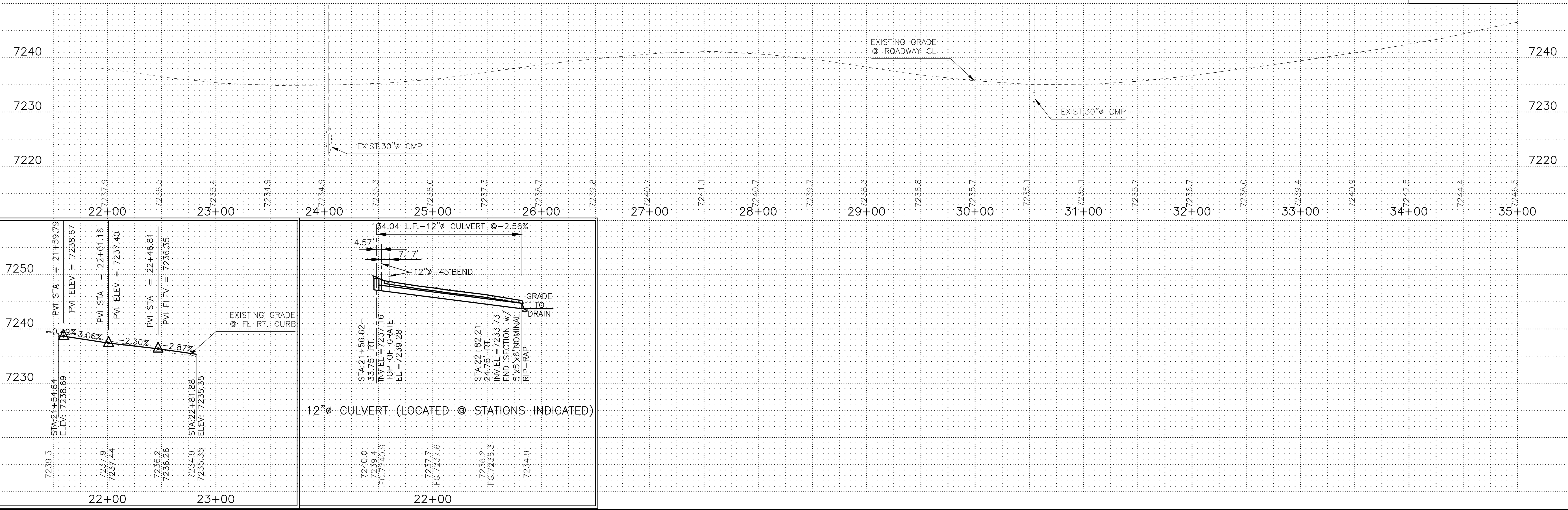
LEGEND

--- AREA THAT IS ABSOLUTELY NOT TO BE DISTURBED BY CONTRACTOR

GENERAL NOTE:

CONTRACTOR SHALL AVOID DISTURBING EXISTING ROADSIDE AND ROADSIDE VEGETATION WHEREVER POSSIBLE.

SCALE: 1"=50' HORIZ
 1"=10' VERT



NOTICE OF EXTENDED PAYMENT PROVISION:
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REVISION

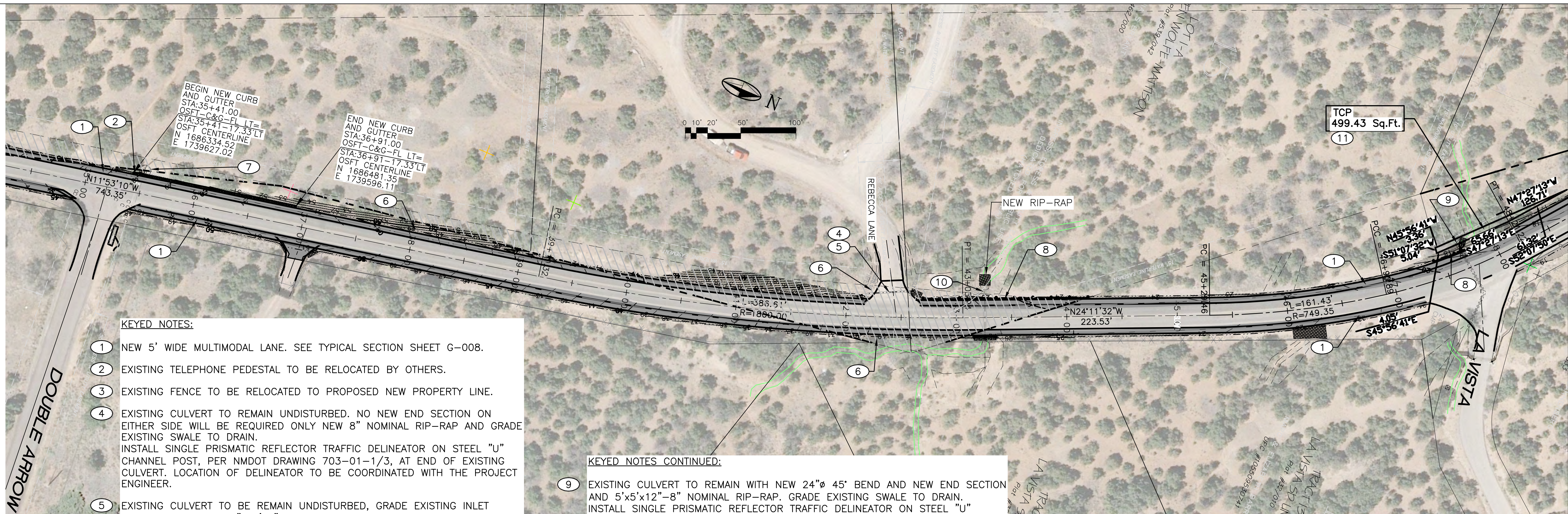
SYMBOL:	DATE:	BY:



PROJECT NAME:
 OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

OLD SANTA FE TRAIL ROADWAY PLAN AND PROFILE STA.22+00 TO STA.35+00

APPROVED: -	REVIEWED: -
DATE: SEPT., 2014	SHEET: C-103
DRAWN BY: J.LOVATO	



KEYED NOTES:

- ① NEW 5' WIDE MULTIMODAL LANE. SEE TYPICAL SECTION SHEET G-008.
- ② EXISTING TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS.
- ③ EXISTING FENCE TO BE RELOCATED TO PROPOSED NEW PROPERTY LINE.
- ④ EXISTING CULVERT TO REMAIN UNDISTURBED. NO NEW END SECTION ON EITHER SIDE WILL BE REQUIRED ONLY NEW 8" NOMINAL RIP-RAP AND GRADE EXISTING SWALE TO DRAIN. INSTALL SINGLE PRISMATIC REFLECTOR TRAFFIC DELINEATOR ON STEEL "U" CHANNEL POST, PER NMDOT DRAWING 703-01-1/3, AT END OF EXISTING CULVERT. LOCATION OF DELINEATOR TO BE COORDINATED WITH THE PROJECT ENGINEER.
- ⑤ EXISTING CULVERT TO BE REMAIN UNDISTURBED, GRADE EXISTING INLET AND OUTLET. PLACE 5"x10"x8" NOMINAL RIP-RAP AT OUT.
- ⑥ EXISTING TRAFFIC SIGN TO BE REMOVED, SALVAGED AND REINSTALLED AFTER COMPLETION OF CONSTRUCTION.
- ⑦ EXISTING POWER POLE TO REMAIN IN PLACE AND UNDISTURBED.
- ⑧ NEW GUARD RAIL PER NMDOT SERIAL NO. 606. WITH PATINA (RUST)COLOR FINISH. 150 L.F. FROM: STA.42+69-17'LT TO: STA.44+19-17'LT AND 62 L.F. FROM: STA.47+40-18'LT TO: STA.48+02-22'LT 20 L.F. FROM: STA.43+16-17'RT TO: STA.43+36-17'RT

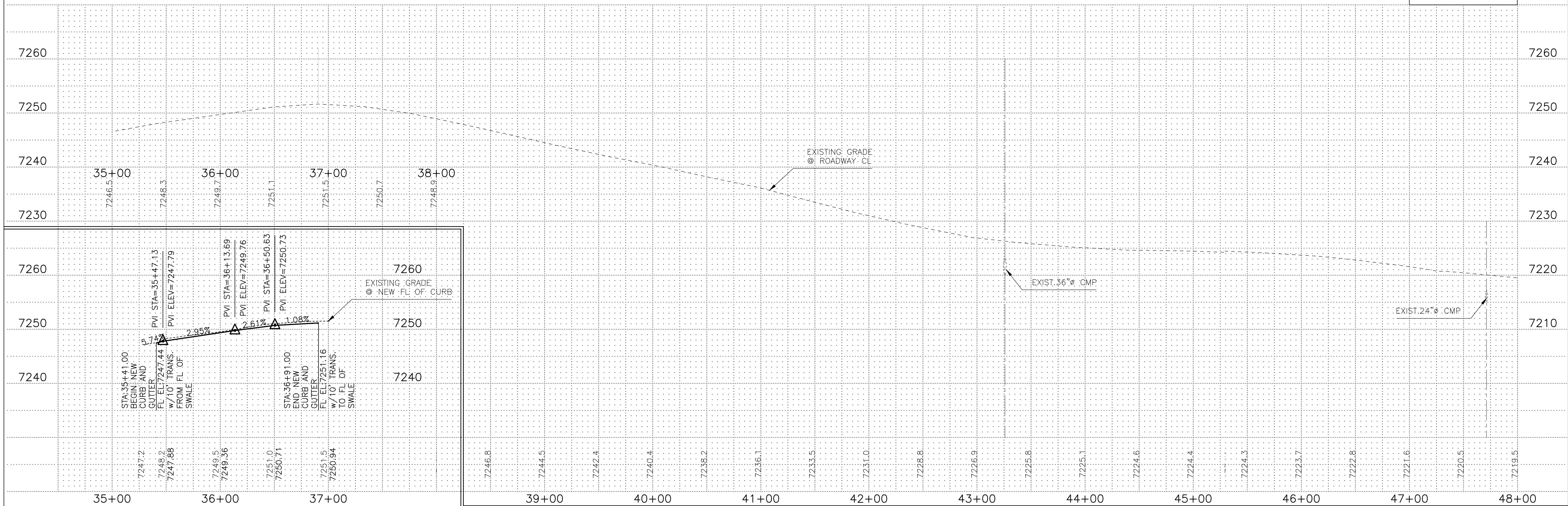
KEYED NOTES CONTINUED:

- ⑨ EXISTING CULVERT TO REMAIN WITH NEW 24"Ø 45° BEND AND NEW END SECTION AND 5'x5'x12"-8" NOMINAL RIP-RAP. GRADE EXISTING SWALE TO DRAIN. INSTALL SINGLE PRISMATIC REFLECTOR TRAFFIC DELINEATOR ON STEEL "U" CHANNEL POST, PER NMDOT DRAWING 703-01-1/3, AT END OF EXISTING CULVERT. LOCATION OF DELINEATOR TO BE COORDINATED WITH THE PROJECT ENGINEER.
- ⑩ EXISTING 36" CMP TO REMAIN.
- ⑪ INSTALL TEMPORARY CONSTRUCTION FENCING AROUND TCP. CONTRACTOR SHALL NOT DISTURB ANY GROUND OUTSIDE TCP.

GENERAL NOTE:

CONTRACTOR SHALL AVOID DISTURBING EXISTING ROADSIDE AND ROADSIDE VEGETATION WHEREVER POSSIBLE.

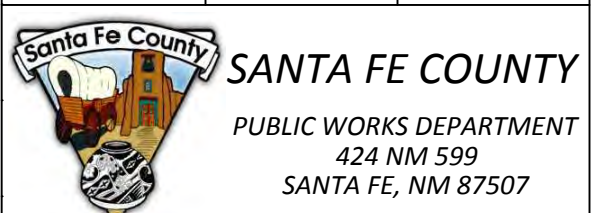
SCALE: 1"=50' HORIZ
1"=10' VERT



NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:

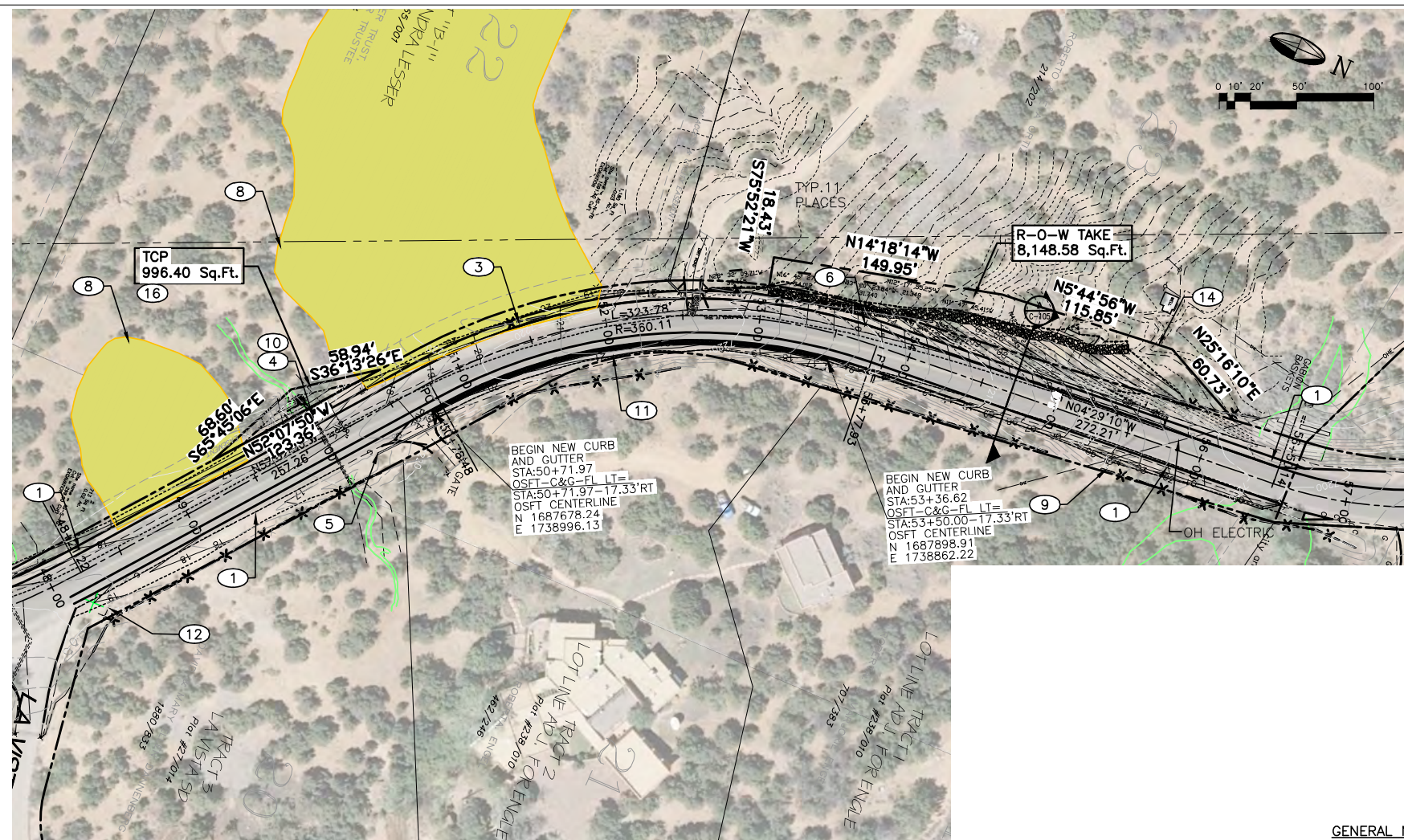


SANTA FE COUNTY
PUBLIC WORKS DEPARTMENT
424 NM 599
SANTA FE, NM 87507

PROJECT NAME:
OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

OLD SANTA FE TRAIL ROADWAY PLAN AND PROFILE STA.35+00 TO STA.48+00

APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: C-104
DRAWN BY: J.LOVATO	



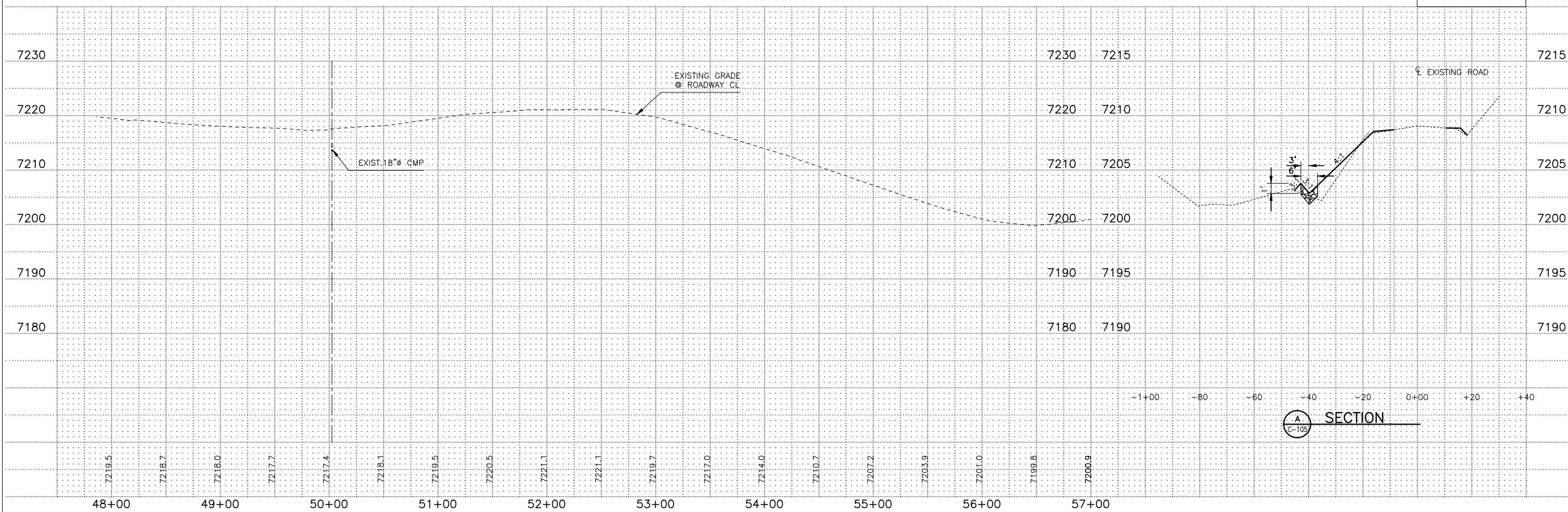
KEYED NOTES:

- ① NEW 5' WIDE MULTIMODAL LANE. SEE TYPICAL SECTION SHEET G-008.
- ② EXISTING TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS.
- ③ EXISTING FENCE TO BE RELOCATED TO PROPOSED NEW PROPERTY LINE.
- ④ EXISTING CULVERT TO BE EXTENDED TO ACCOMMODATE NEW MULTIMODAL LANE AND SWALE. INSTALL NEW END SECTION AND GRADE EXISTING SWALE TO DRAIN.
- ⑤ EXISTING CULVERT TO BE REMOVED AND DISPOSED. GRADE EXISTING DRIVEWAY PER DETAIL SHEET C-205.
- ⑥ EXISTING TRAFFIC SIGN TO BE REMOVED, SALVAGED AND REINSTALLED AFTER COMPLETION OF CONSTRUCTION.
- ⑦ EXISTING MAILBOX TO BE REMOVED AND RELOCATED AFTER CONSTRUCTION IS COMPLETE.
- ⑧ SHADED AREA IS ABSOLUTELY NOT TO BE DISTURBED BY THE CONTRACTOR. SEE NOTE 13.
- ⑨ EXISTING POWER POLE TO REMAIN IN PLACE AND UNDISTURBED.
- ⑩ NEW GUARD RAIL PER NMDOT SERIAL NO.606. WITH PATINA (RUST)COLOR FINISH. 50 L.F. FROM: STA.49+67-24'LT TO: STA.50+17-21'LT
- ⑪ 265 L.F. 6" CURB AND GUTTER PER N.M.D.O.T. SERIAL NO. 606.
- ⑫ COORDINATE WITH PROJECT ENGINEER AS TO WHETHER OR NOT TO REMOVE AND RELOCATE OR TO LEAVE UNDISTURBED, EXISTING "DESCANSO" (MEMORIAL).
- ⑬ CONTRACTORS SHALL NOT PERFORM WORK OF ANY KIND BETWEEN STA. 48+00 AND STA. 53+00 UNTIL OBTAINING ENVIRONMENTAL CLEARANCE FROM PROJECT ENGINEER. SEE ITEM #2 SHEET G-009.
- ⑭ INSTALL BARBED WIRE FENCE ON NEW R-O-W LINE. CONTRACTOR SHALL NOT DISTURB ANY GROUND OUTSIDE OF R.O.W. ALL SLOPES WITHIN R.O.W. TAKE SHALL BE HYDROSEEDDED.
- ⑮ NEW RIP-RAP SWALE PER DETAIL.
- ⑯ INSTALL TEMPORARY CONSTRUCTION FENCING AROUND TCP. CONTRACTOR SHALL NOT DISTURB ANY GROUND OUTSIDE TCP.

GENERAL NOTE:

CONTRACTOR SHALL AVOID DISTURBING EXISTING ROADSIDE AND ROADSIDE VEGETATION WHEREVER POSSIBLE.

SCALE: 1"=50' HORIZ
 1"=10' VERT



NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

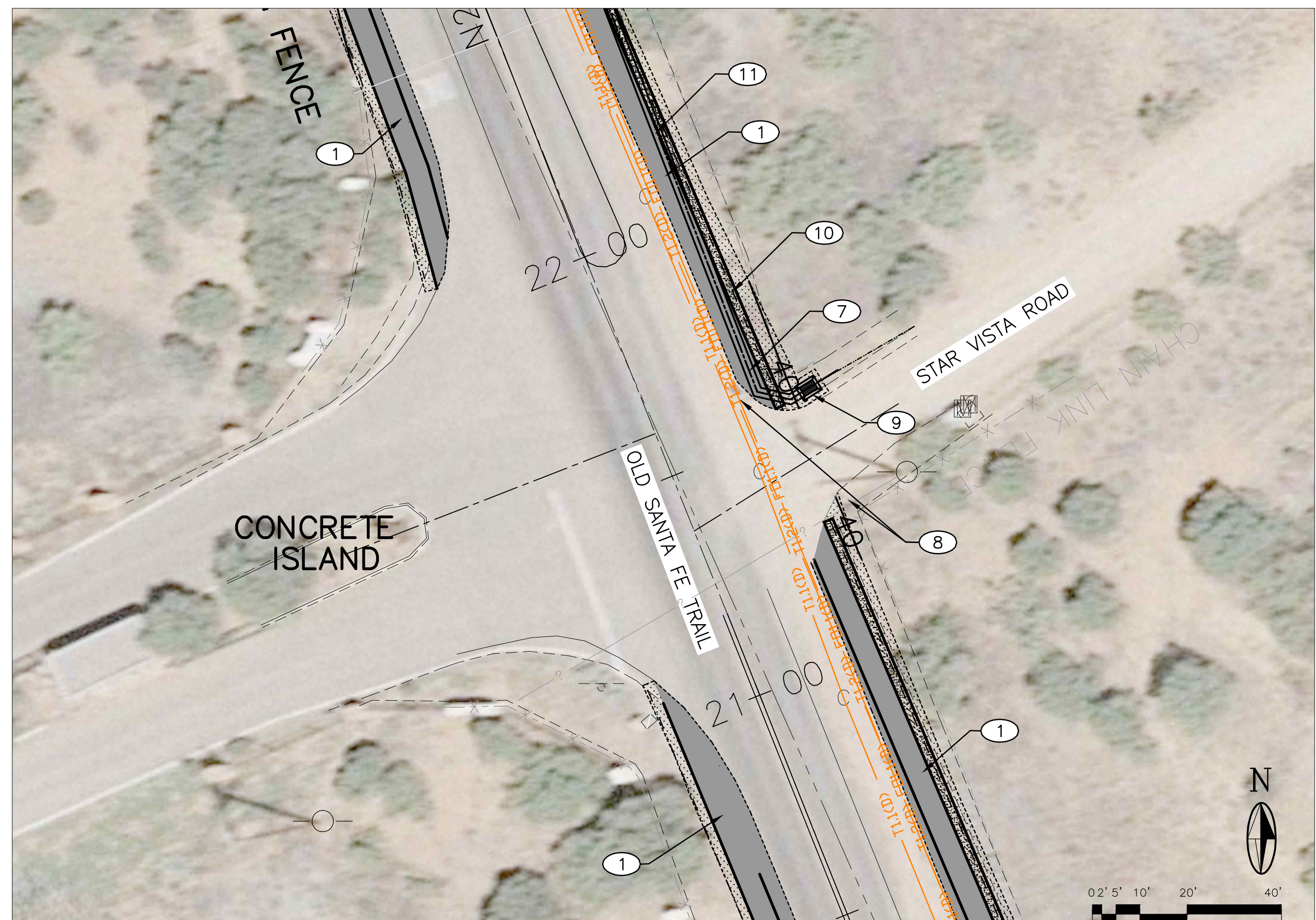
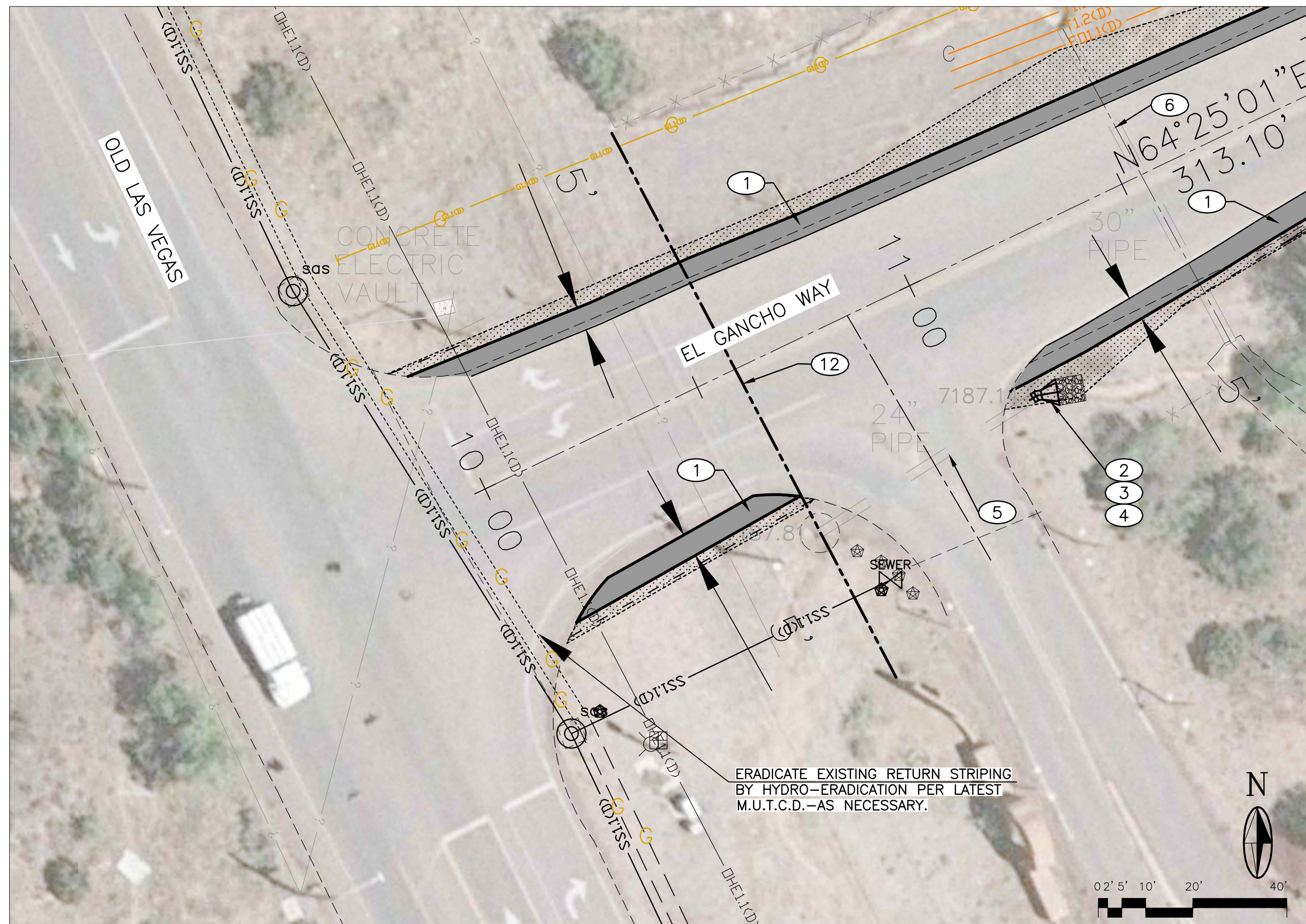
SYMBOL:	DATE:	BY:



PROJECT NAME:
OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

OLD SANTA FE TRAIL ROADWAY PLAN AND PROFILE STA.48+00 TO E.O.P.

APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: C-105
DRAWN BY: J.LOVATO	



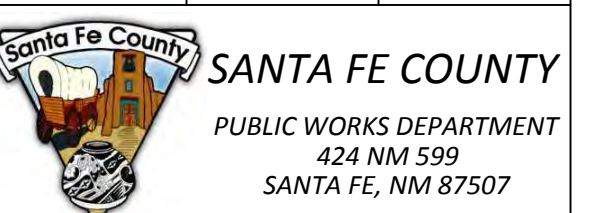
NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE
 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
 OF AN UNDISPUTED REQUEST FOR PAYMENT

KEYED NOTES:

- ① NEW 5' WIDE MULTIMODAL LANE. SEE TYPICAL SECTION SHEET G-008.
- ② EXISTING CULVERT TO BE EXTENDED WITH NEW 24"Ø CMP AS NECESSARY TO ACCOMMODATE NEW MULTIMODAL LANE AND SWALE. INSTALL NEW END SECTION, 22½' BEND, 6'X6'X12" 8" NOMINAL RIP-RAP BLANKET AND GRADE EXISTING SWALE TO DRAIN.
- ③ INSTALL 3'X10'X12" 8" NOMINAL RIP-RAP BLANKET.
- ④ INSTALL SINGLE PRISMATIC REFLECTOR TRAFFIC DELINEATOR ON STEEL "U" CHANNEL POST, PER NMDOT DRAWING 703-01-1/3, AT END OF EXISTING CULVERT. LOCATION OF DELINEATOR TO BE COORDINATED WITH THE PROJECT ENGINEER.
- ⑤ EXISTING 24" CMP TO REMAIN.
- ⑥ EXISTING 30" CMP TO REMAIN.
- ⑦ EXISTING TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS
- ⑧ EXISTING TRAFFIC SIGN TO BE REMOVED, SALVAGED AND REINSTALLED AFTER COMPLETION OF NEW CONSTRUCTION.
- ⑨ NEW MEDIAN DROP INLET PER N.M.D.O.T. SERIAL NO.623-01.
- ⑩ 6" CURB AND GUTTER PER N.M.D.O.T. SERIAL NO. 609-01. SEE SHEET C-103
- ⑪ NEW 12"Ø CULVERT. SEE SHEET C-103,
- ⑫ LIMITS OF NMDOT RIGHT-OF-WAY. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO WORK INSIDE NMDOT RIGHT-OF-WAY.

REVISION

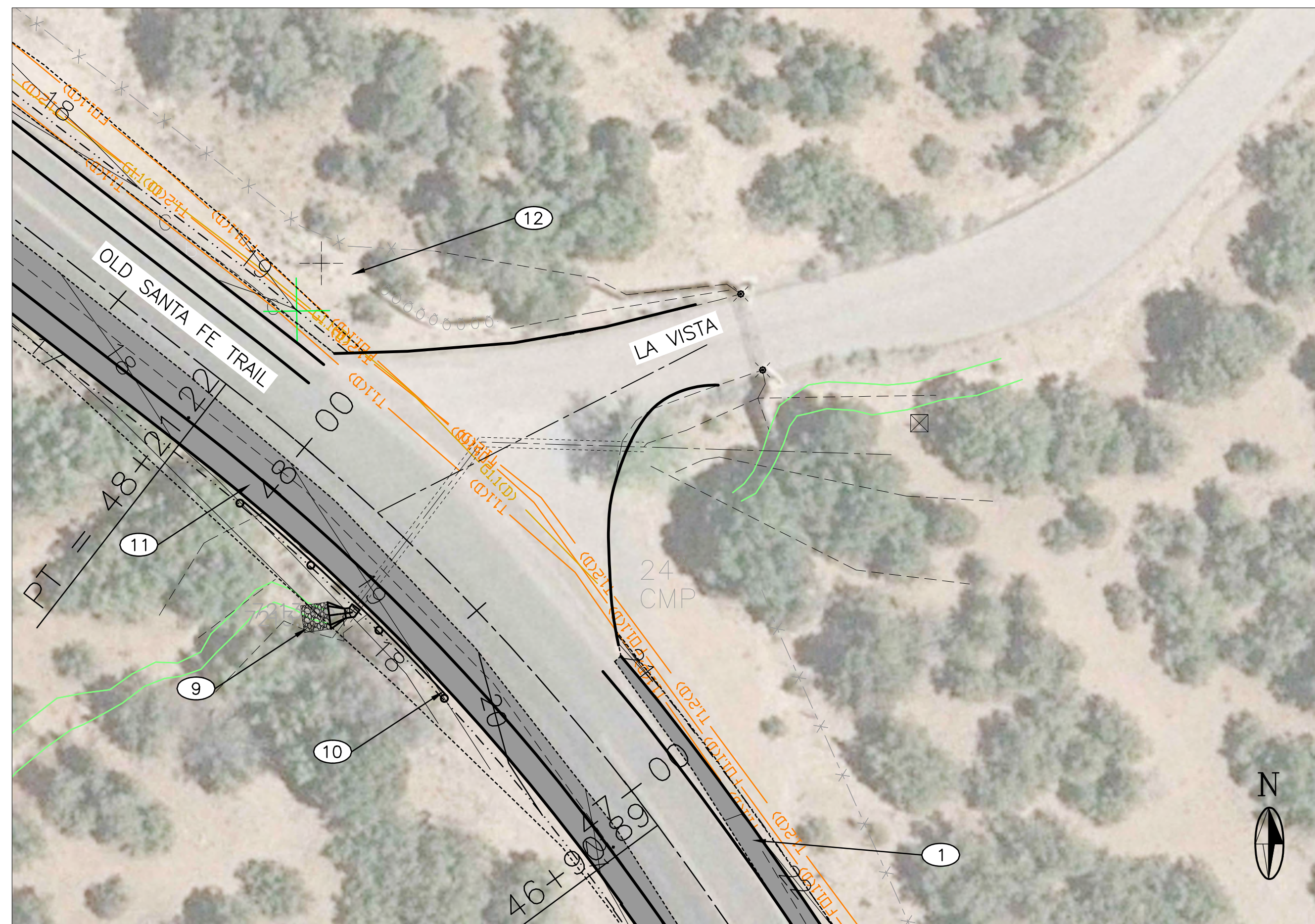
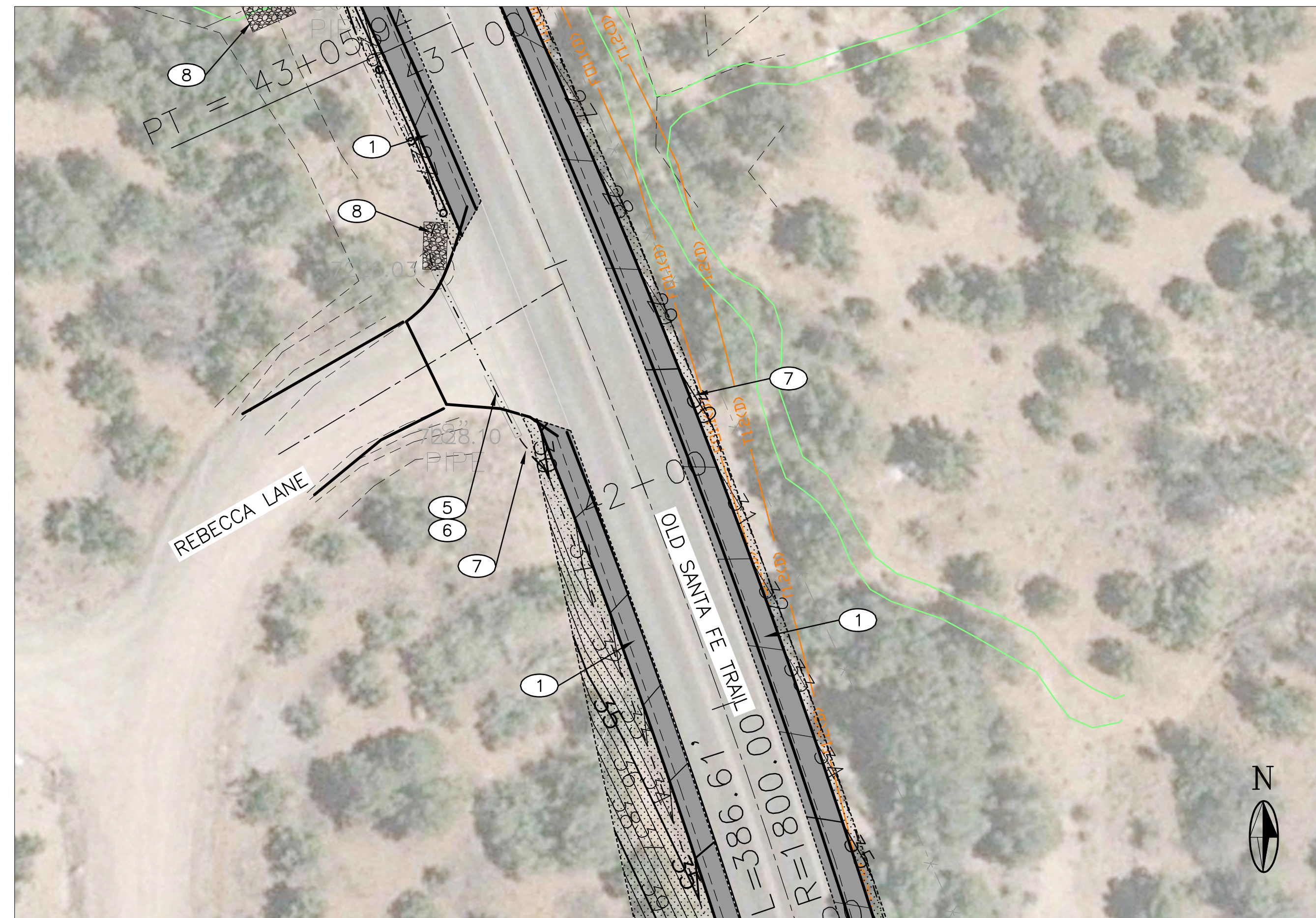
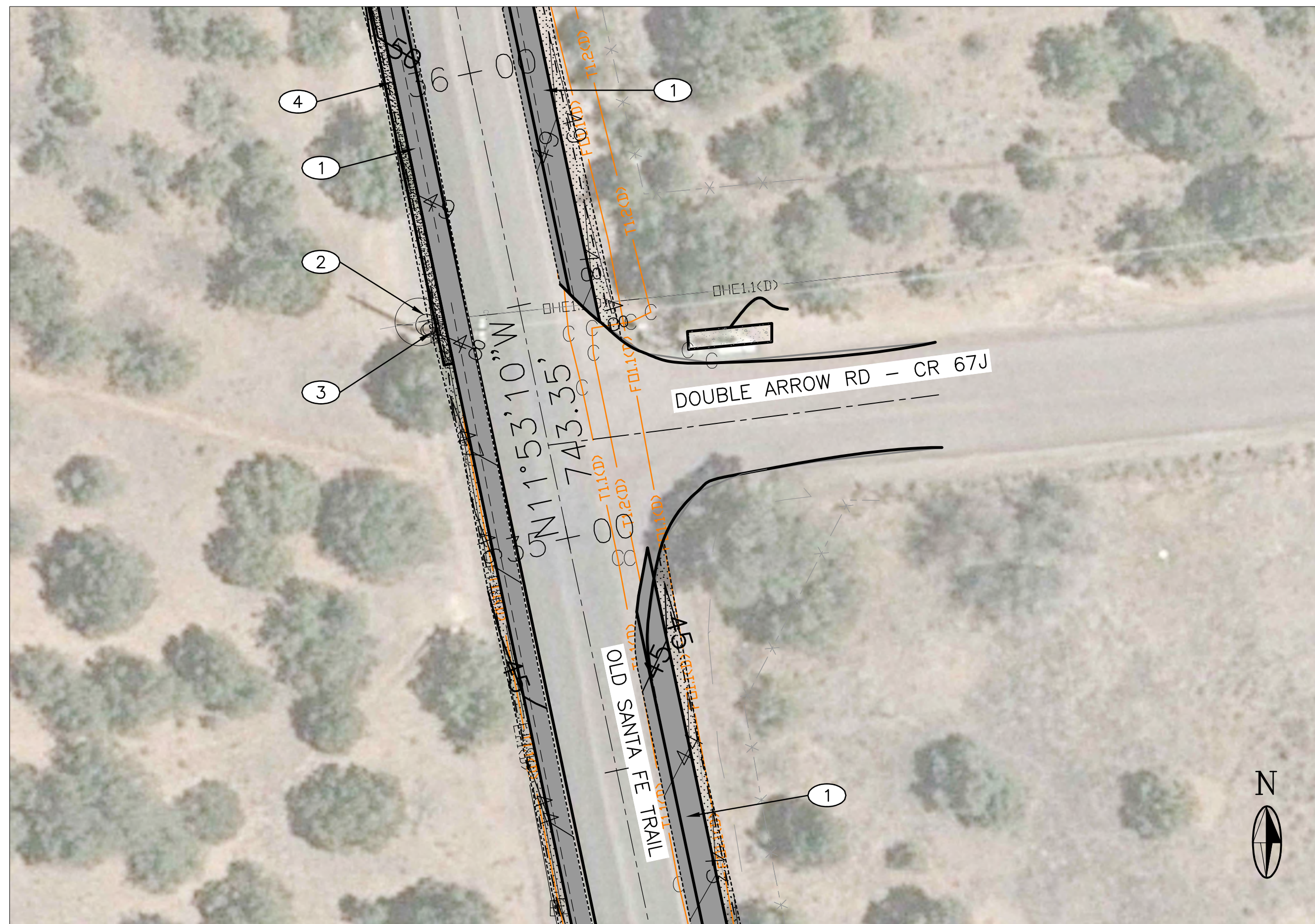
SYMBOL:	DATE:	BY:



PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

**INTERSECTION
 DETAILS**

APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: C-201
DRAWN BY: J.LOVATO	



KEYED NOTES:

- ① NEW 5' WIDE MULTIMODAL LANE. SEE TYPICAL SECTION SHEET G-008.
- ② EXISTING TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS.
- ③ EXISTING POWER POLE TO REMAIN IN PLACE AND UNDISTURBED.
- ④ 6" CURB AND GUTTER PER N.M.D.O.T. SERIAL NO. 609-01. SEE SHEET C-104
- ⑤ EXISTING CULVERT TO REMAIN UNDISTURBED. NO NEW END SECTION ON EITHER SIDE WILL BE REQUIRED ONLY NEW 8" NOMINAL RIP-RAP AND GRADE EXISTING SWALE TO DRAIN. INSTALL SINGLE PRISMATIC REFLECTOR TRAFFIC DELINEATOR ON STEEL "U" CHANNEL POST, PER NMDOT DRAWING 703-01-1/3, AT END OF EXISTING CULVERT. LOCATION OF DELINEATOR TO BE COORDINATED WITH THE PROJECT ENGINEER.
- ⑥ EXISTING CULVERT TO BE REMAIN UNDISTURBED, GRADE EXISTING INLET AND OUTLET. PLACE 5"x10"x8" NOMINAL RIP-RAP AT OUT.
- ⑦ EXISTING TRAFFIC SIGN TO BE REMOVED, SALVAGED AND REINSTALLED AFTER COMPLETION OF CONSTRUCTION.
- ⑧ INSTALL 3"x10"x12" 8" NOMINAL RIP-RAP BLANKET.
- ⑨ EXISTING CULVERT TO REMAIN WITH NEW 24"Ø 45° BEND AND NEW END SECTION AND 5"x5"x12"-8" NOMINAL RIP-RAP. GRADE EXISTING SWALE TO DRAIN. INSTALL SINGLE PRISMATIC REFLECTOR TRAFFIC DELINEATOR ON STEEL "U" CHANNEL POST, PER NMDOT DRAWING 703-01-1/3, AT END OF EXISTING CULVERT. LOCATION OF DELINEATOR TO BE COORDINATED WITH THE PROJECT ENGINEER.
- ⑩ NEW GUARD RAIL PER NMDOT SERIAL NO. 606. WITH PATINA (RUST)COLOR FINISH. 62 L.F. FROM: STA.47+40-18'LT TO: STA.48+02-22'LT
- ⑪ NEW ASPHALT REALIGNED PAVEMENT. SEE SHEET C-105.
- ⑫ COORDINATE WITH PROJECT ENGINEER AS TO WHETHER OR NOT TO REMOVE AND RELOCATE OR TO LEAVE UNDISTURBED, EXISTING "DESCANSO" (MEMORIAL).



NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE
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REVISION

SYMBOL:	DATE:	BY:

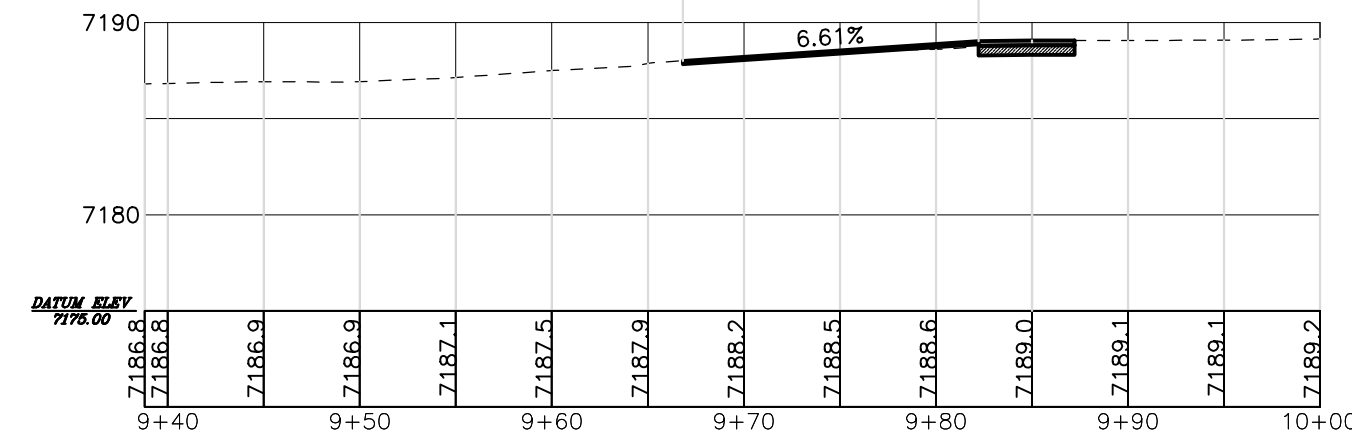
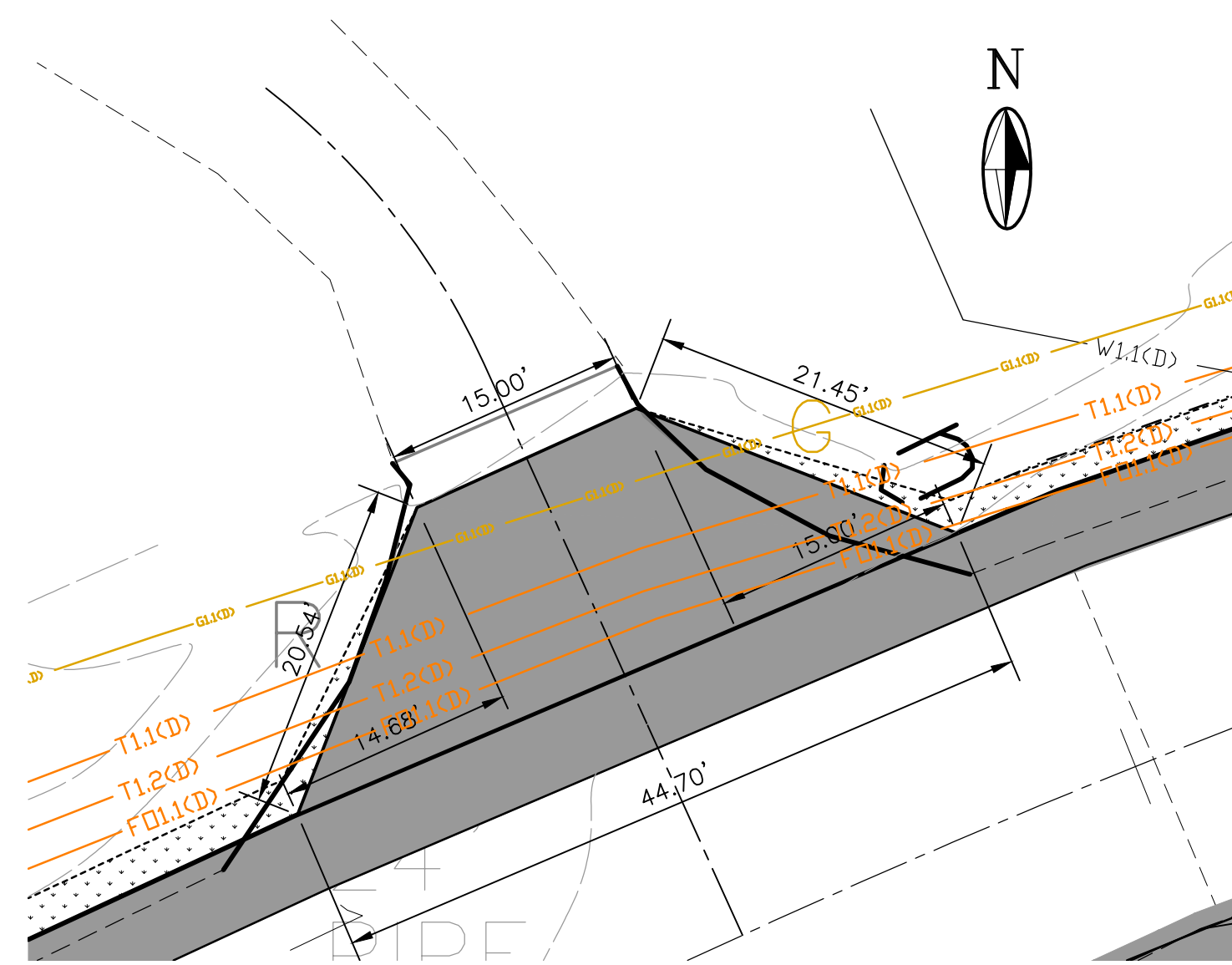


PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

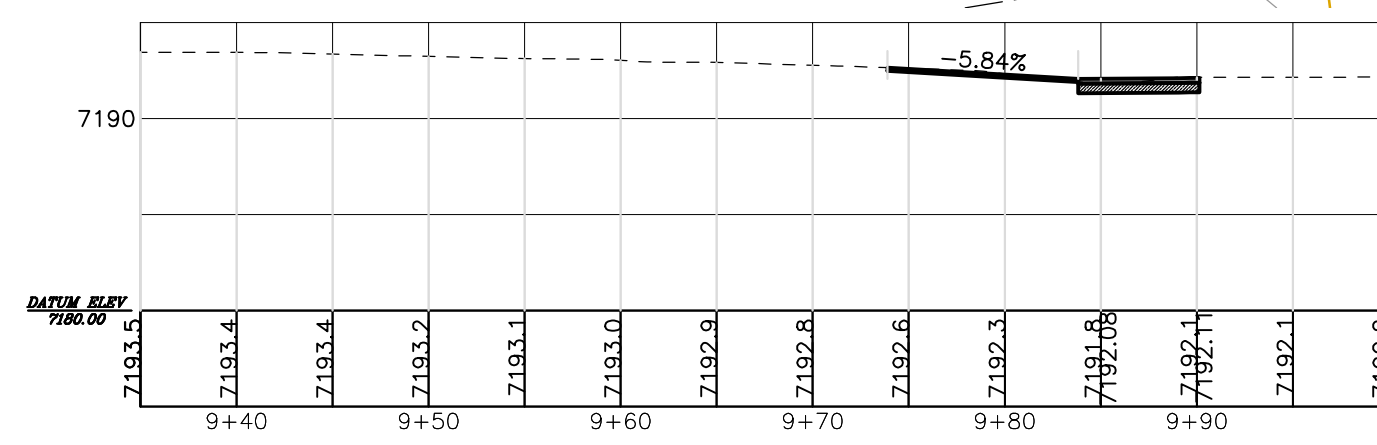
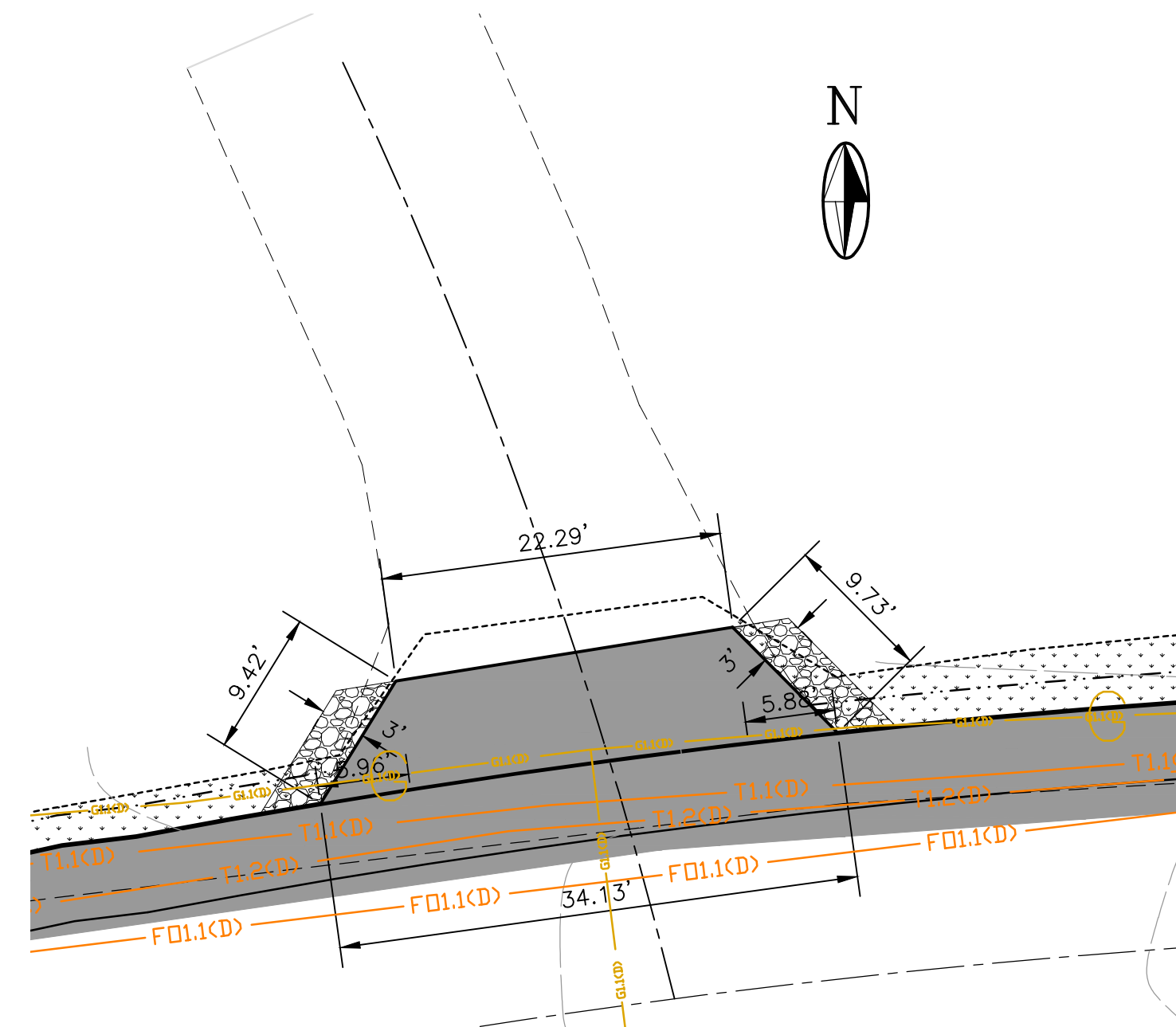
**INTERSECTION
 DETAILS**

APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: C-202
DRAWN BY: J.LOVATO	



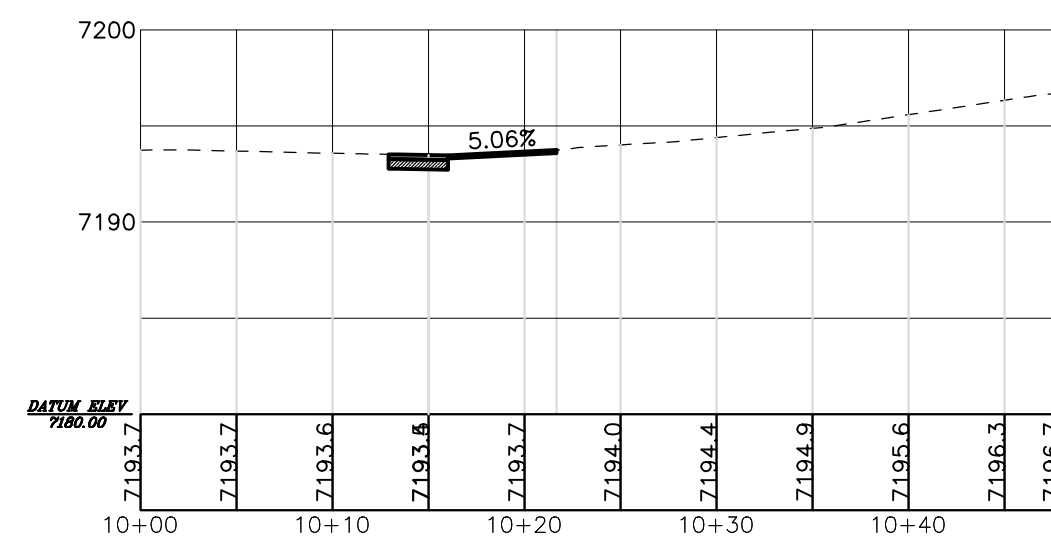
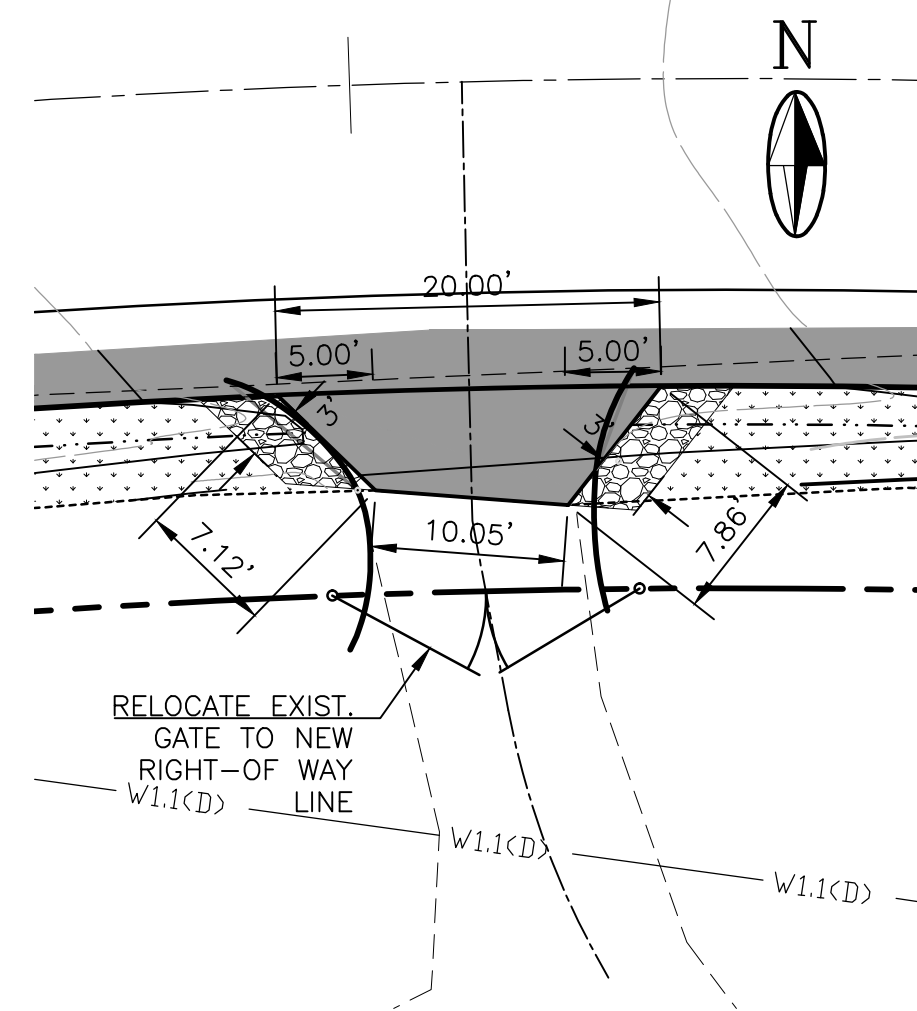


EL GANCHO WAY DRIVEWAY LT. - STA. 13+23.34

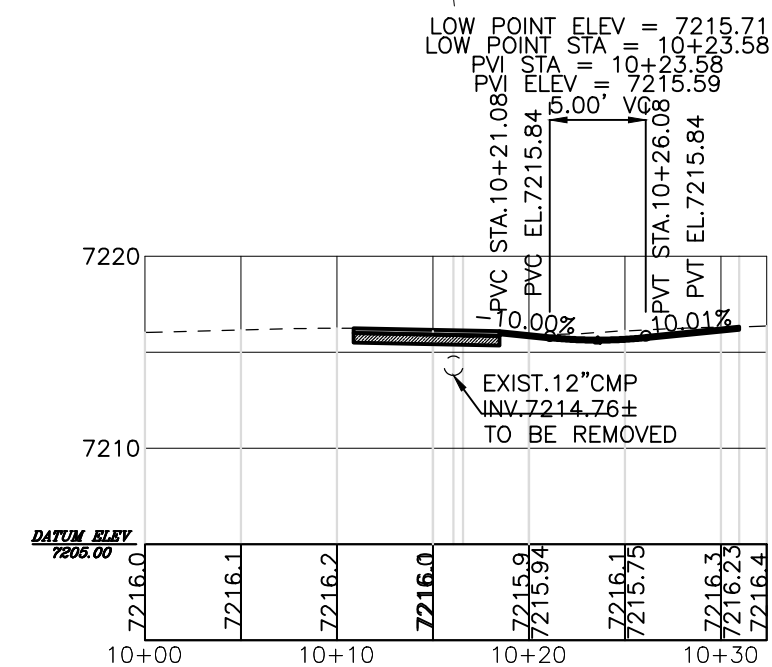
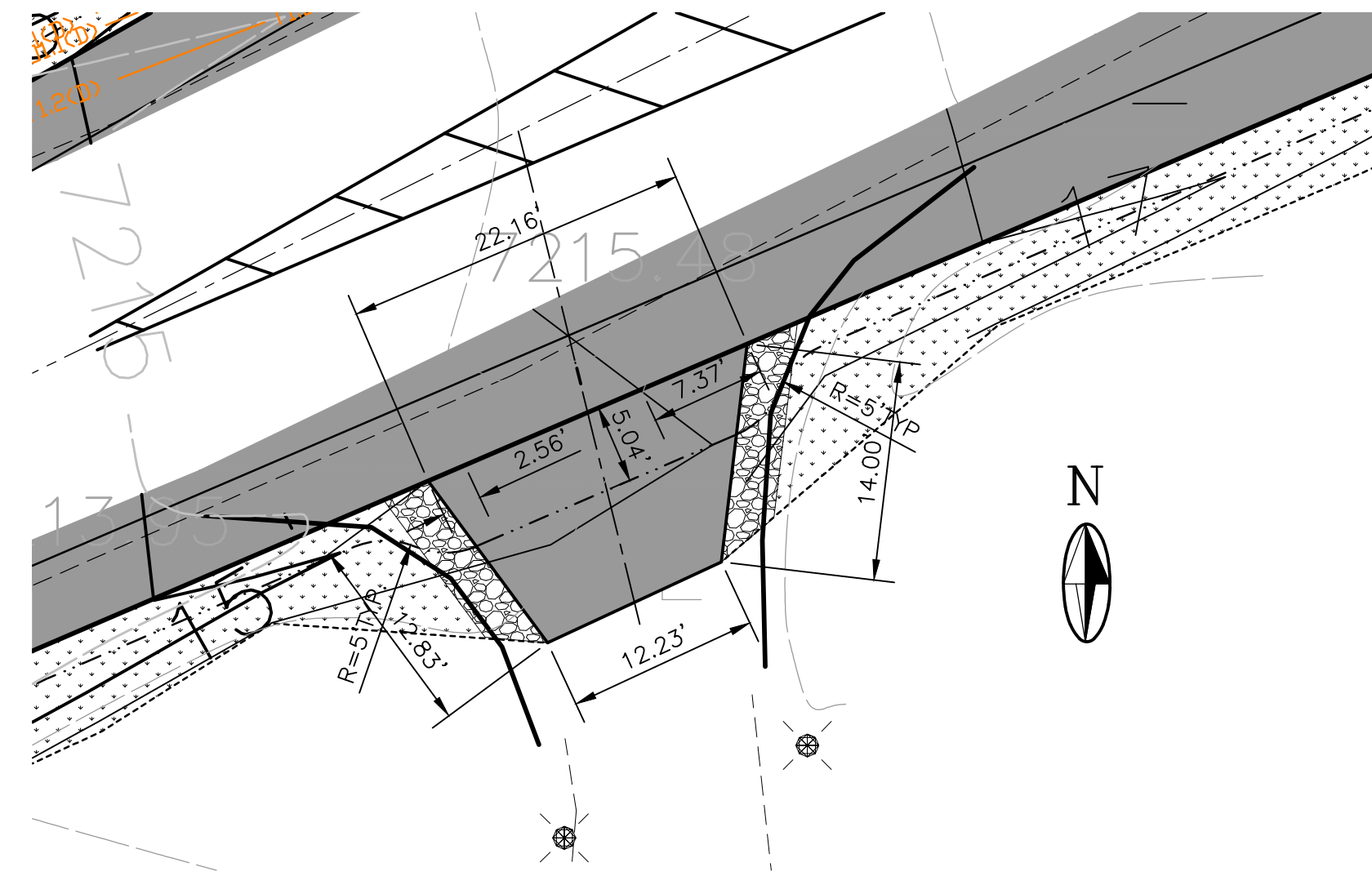


EL GANCHO WAY DRIVEWAY LT. - STA. 14+95.47

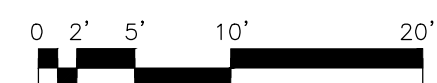
NOTE:
 END PAVEMENT AT RIGHT-
 OF-WAY LINE. RE-GRADE
 DRIVEWAYS OUTSIDE OF
 PAVEMENT AS SHOWN.



EL GANCHO WAY DRIVEWAY RT. - STA. 15+55.85



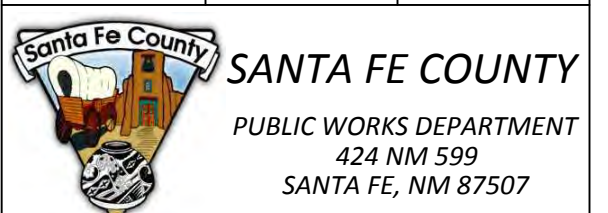
EL GANCHO WAY DRIVEWAY RT. - STA. 20+77.46



NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE
 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
 OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

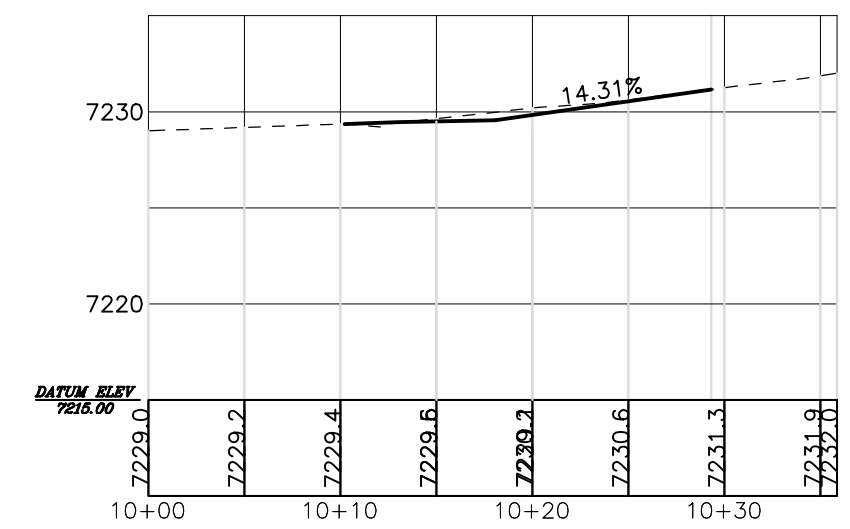
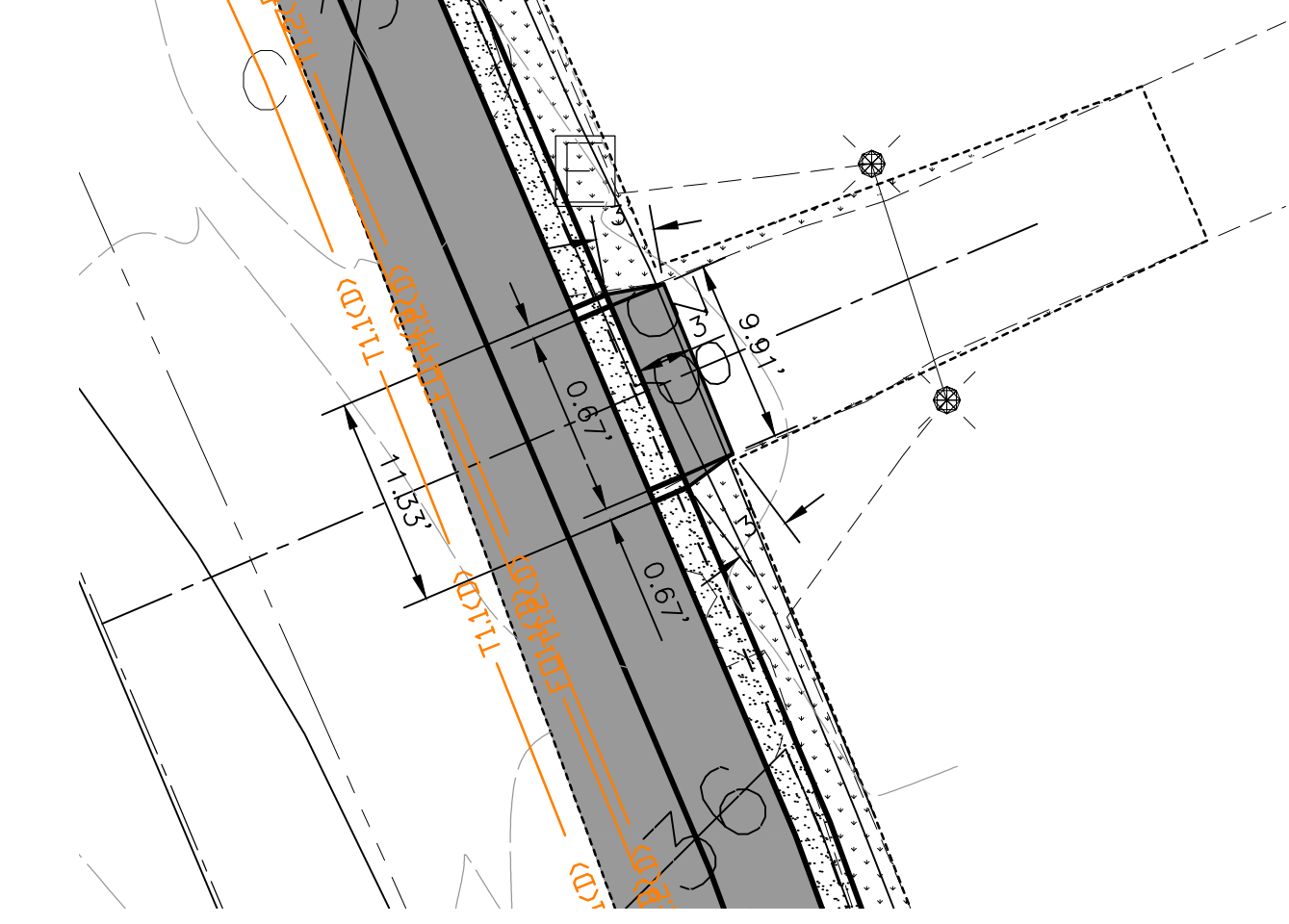
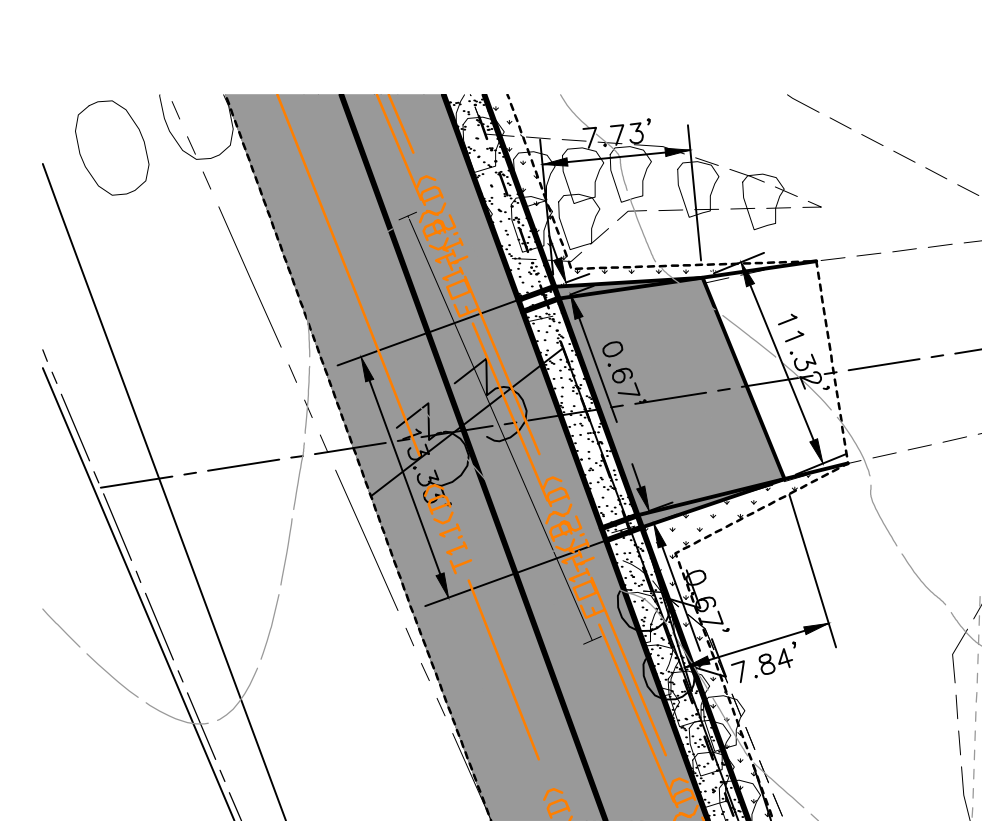
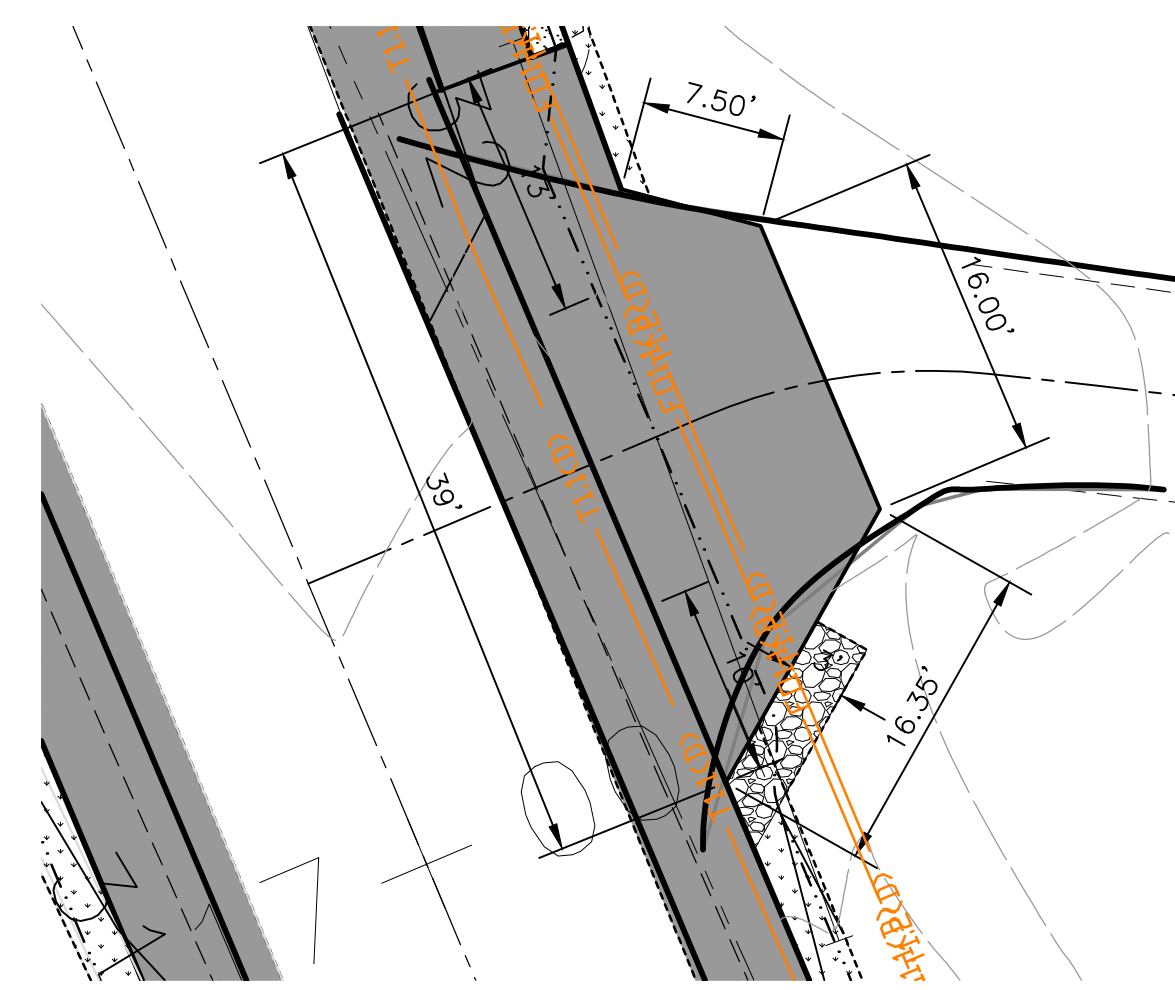
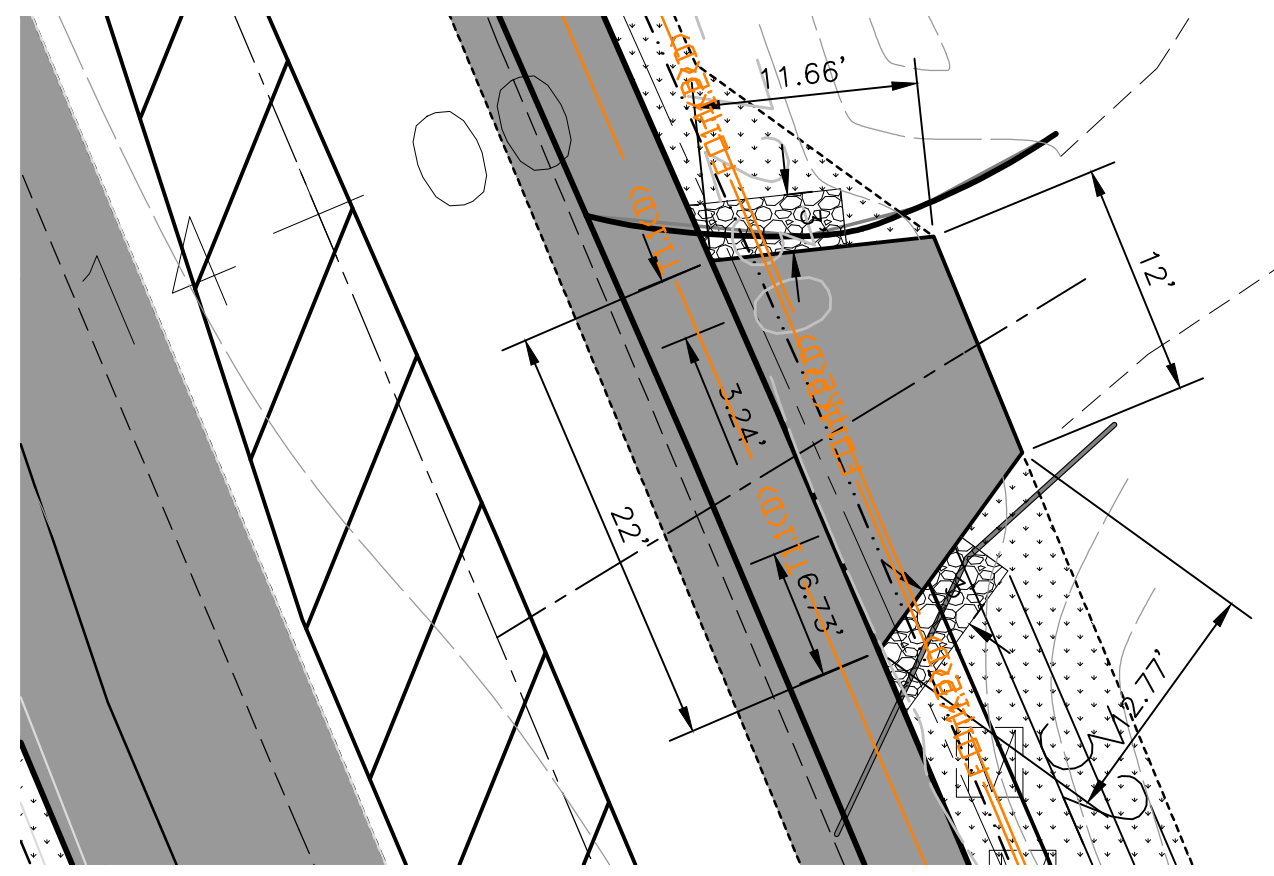
SYMBOL:	DATE:	BY:



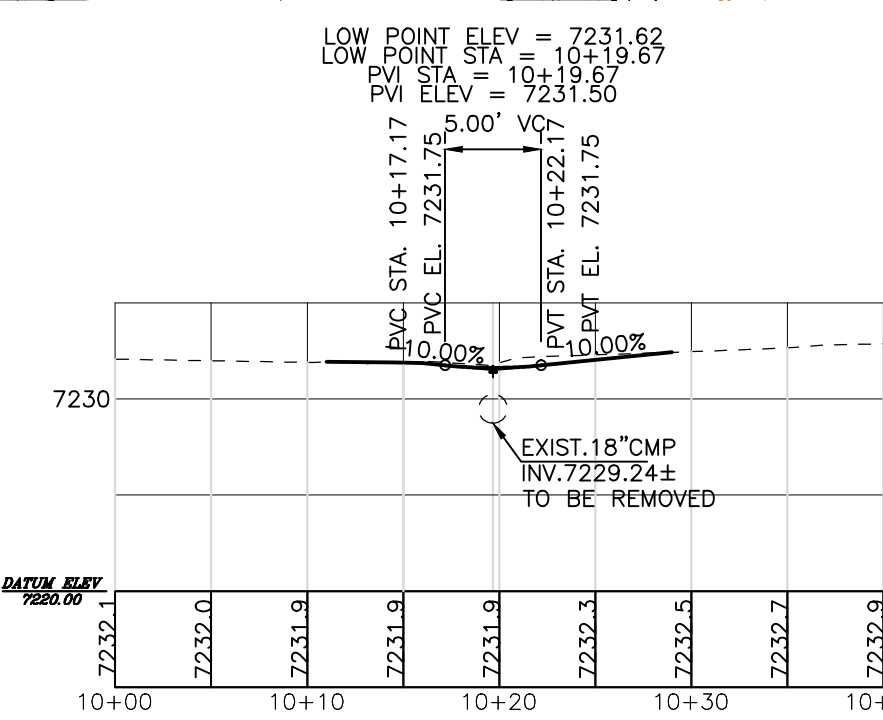
PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

EL GANCHO WAY DRIVEWAY
 PLAN AND PROFILES

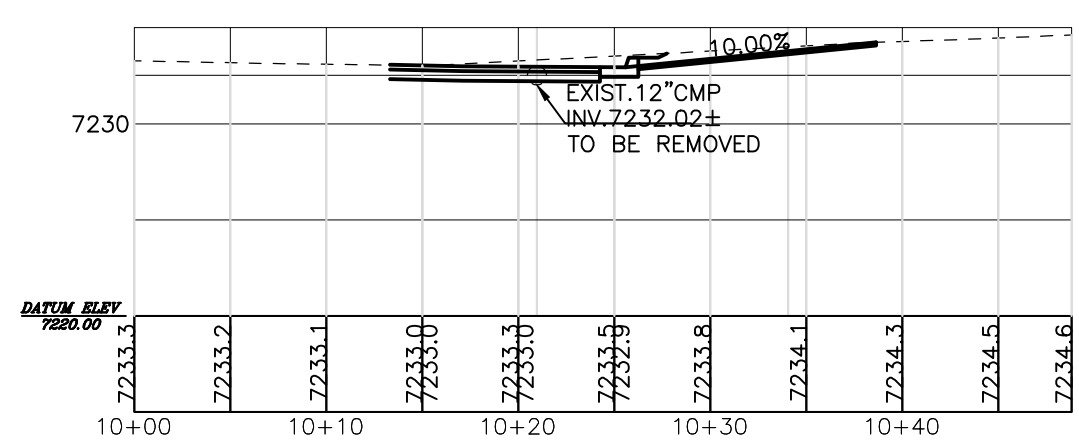
APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: C-203
DRAWN BY: J.LOVATO	



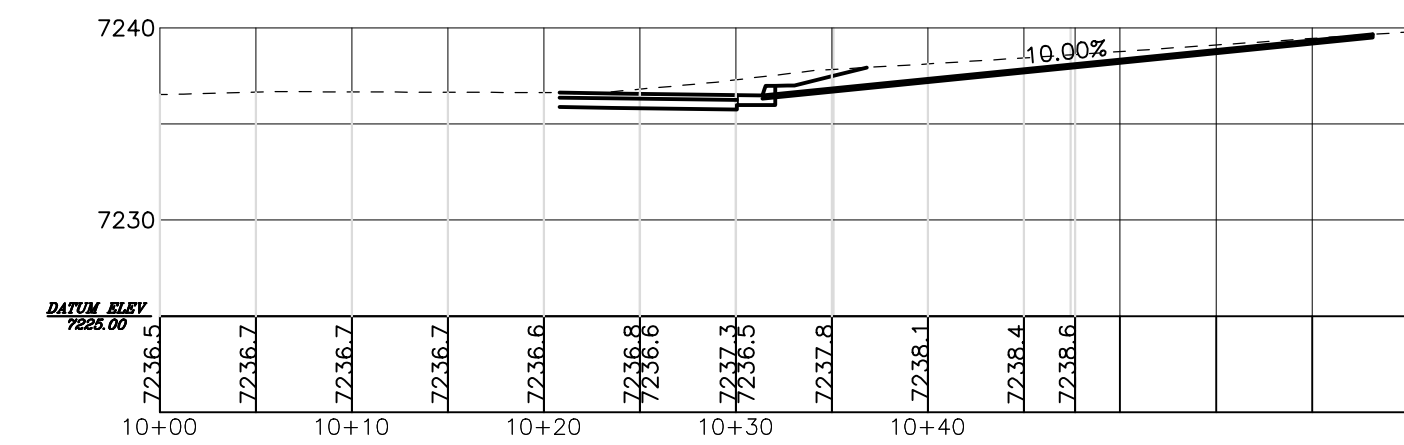
OLD SANTA FE TRAIL DRIVEWAY RT.—STA.13+76.09



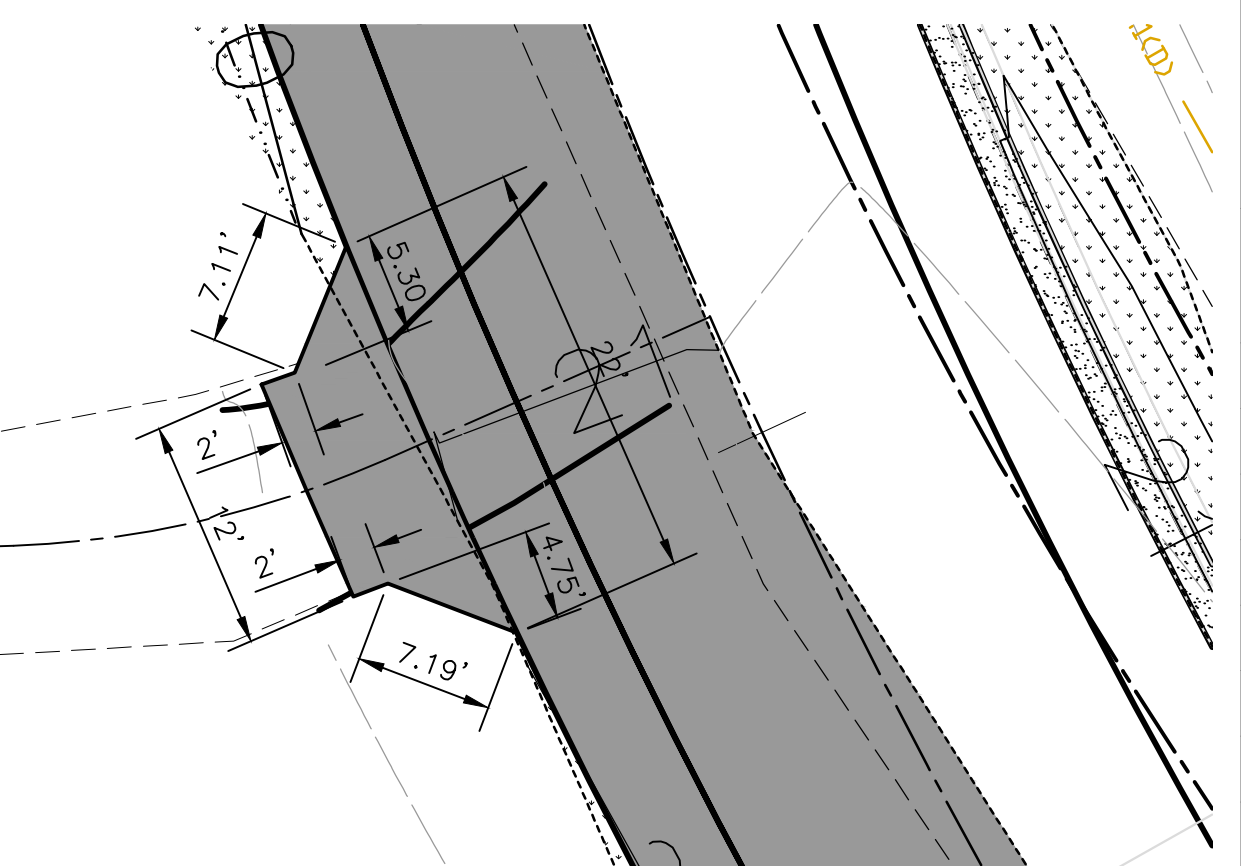
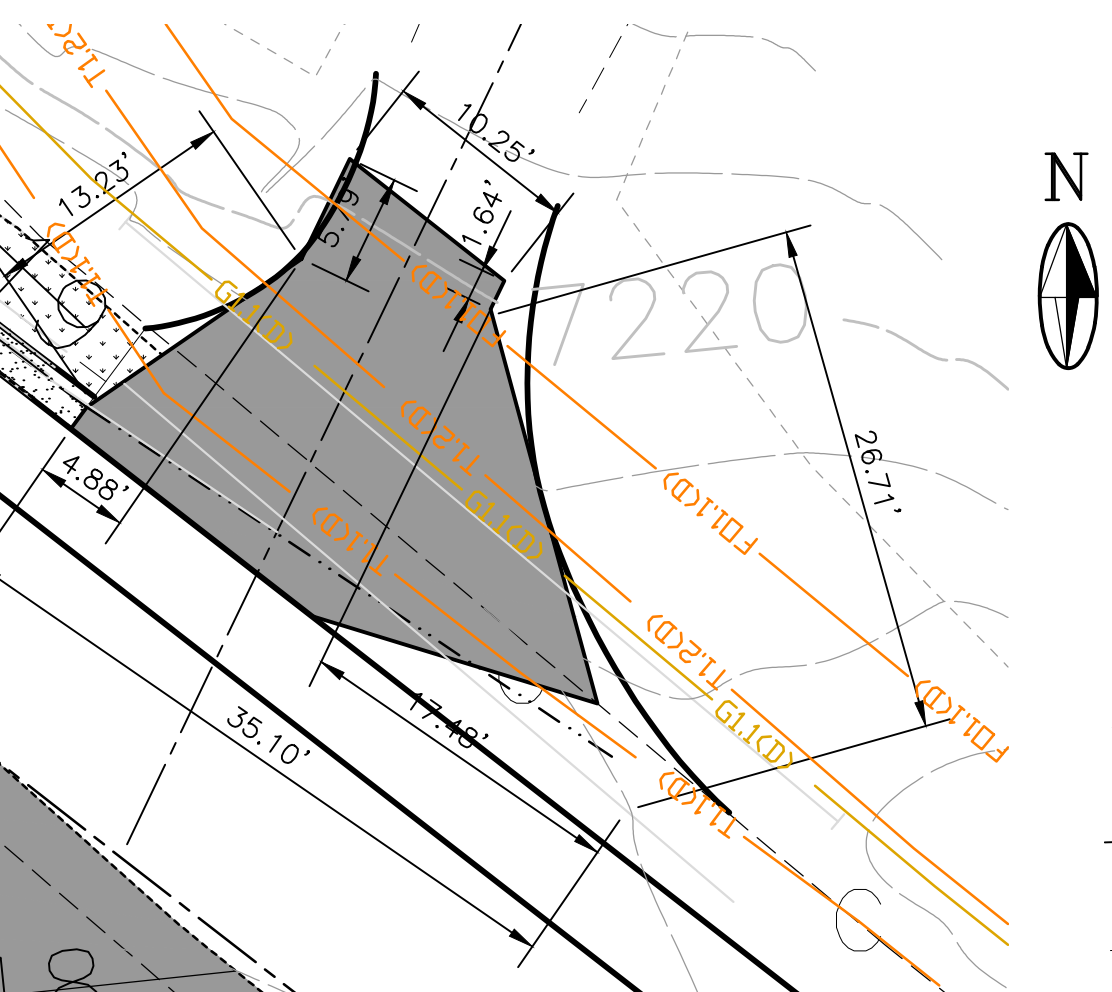
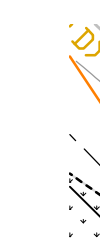
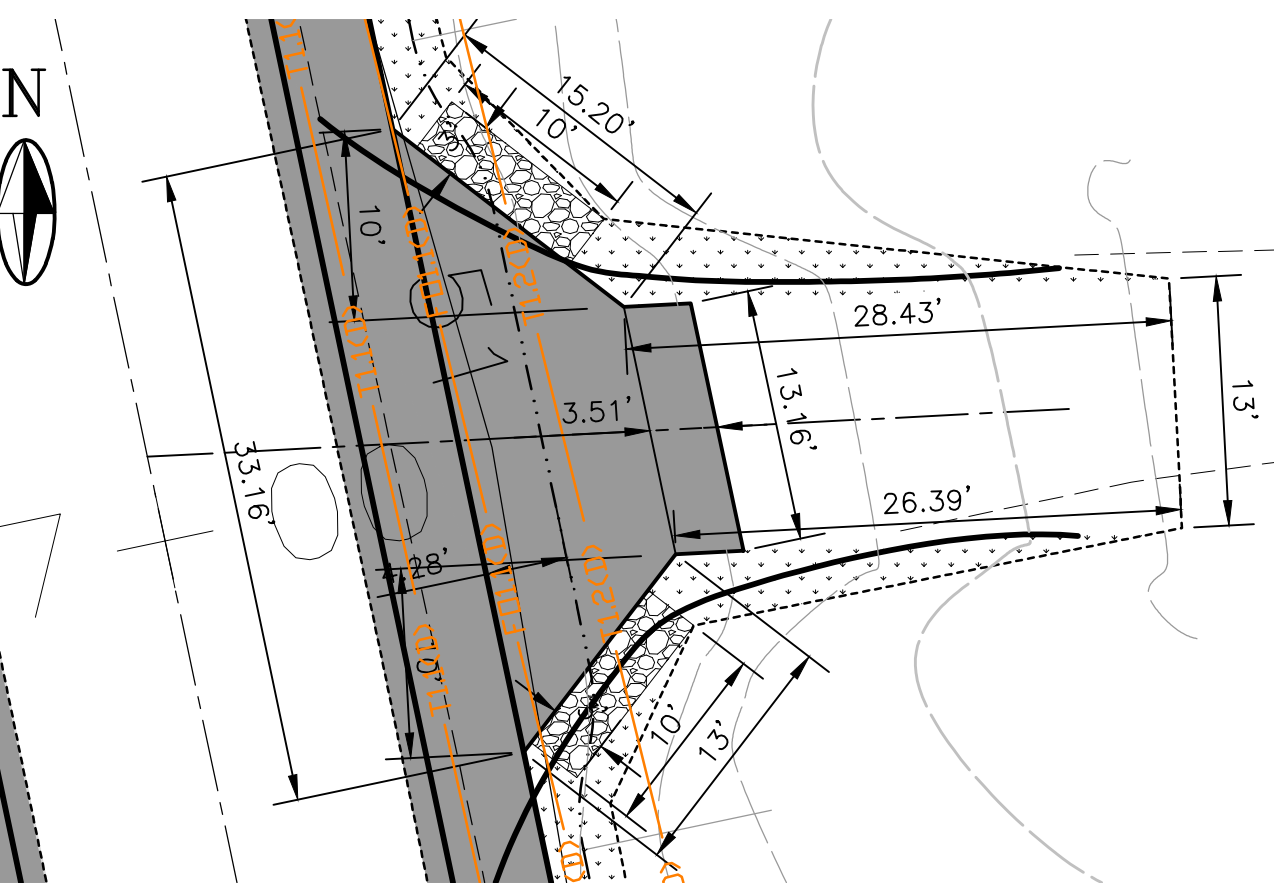
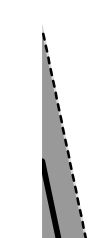
OLD SANTA FE TRAIL DRIVEWAY RT.—STA.17+15.85



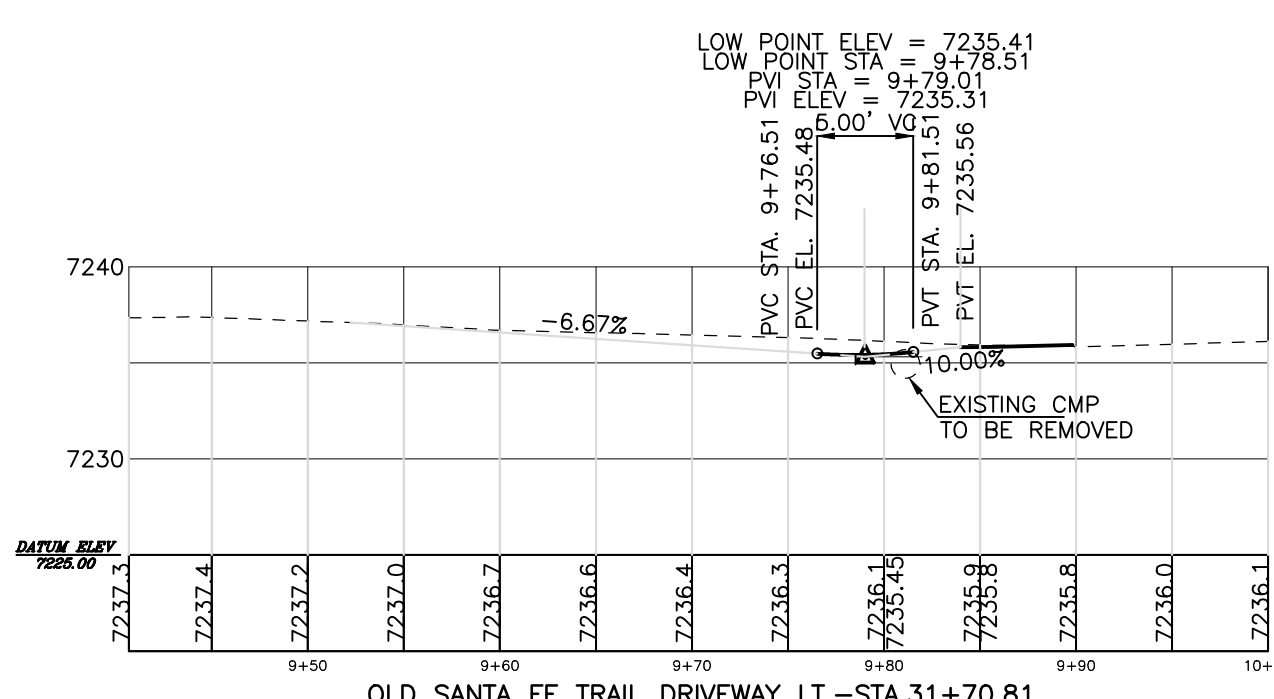
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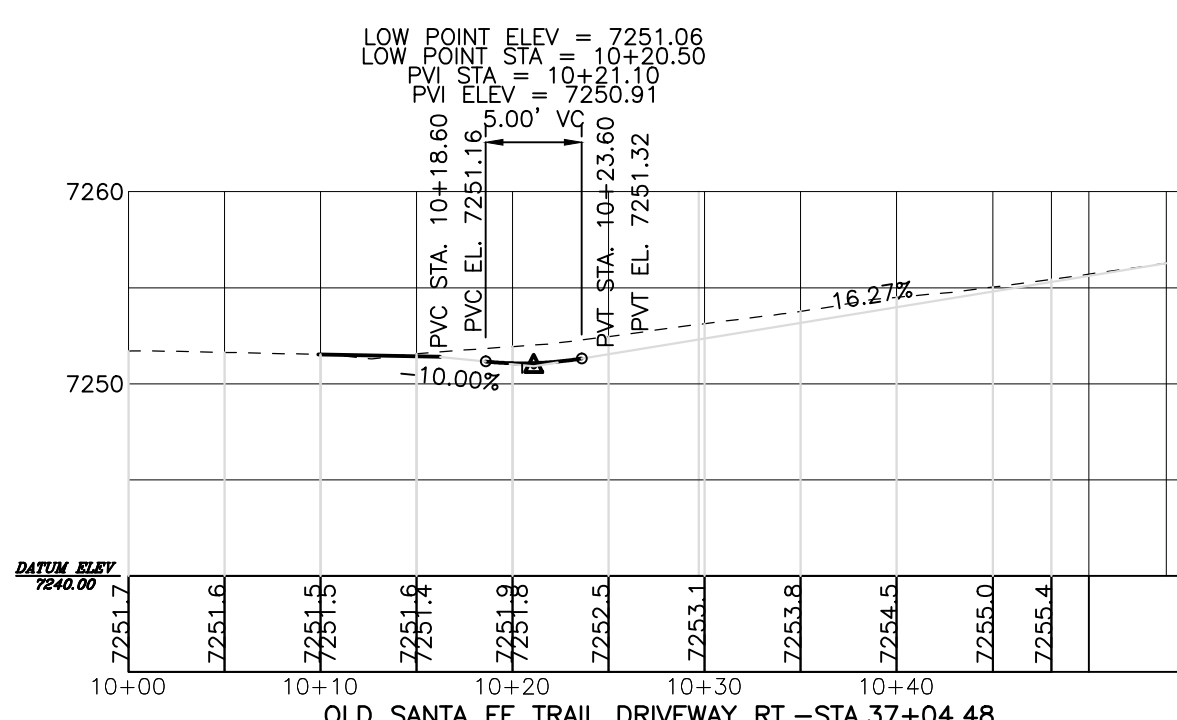
OLD SANTA FE TRAIL DRIVEWAY RT.—STA.19+33.73



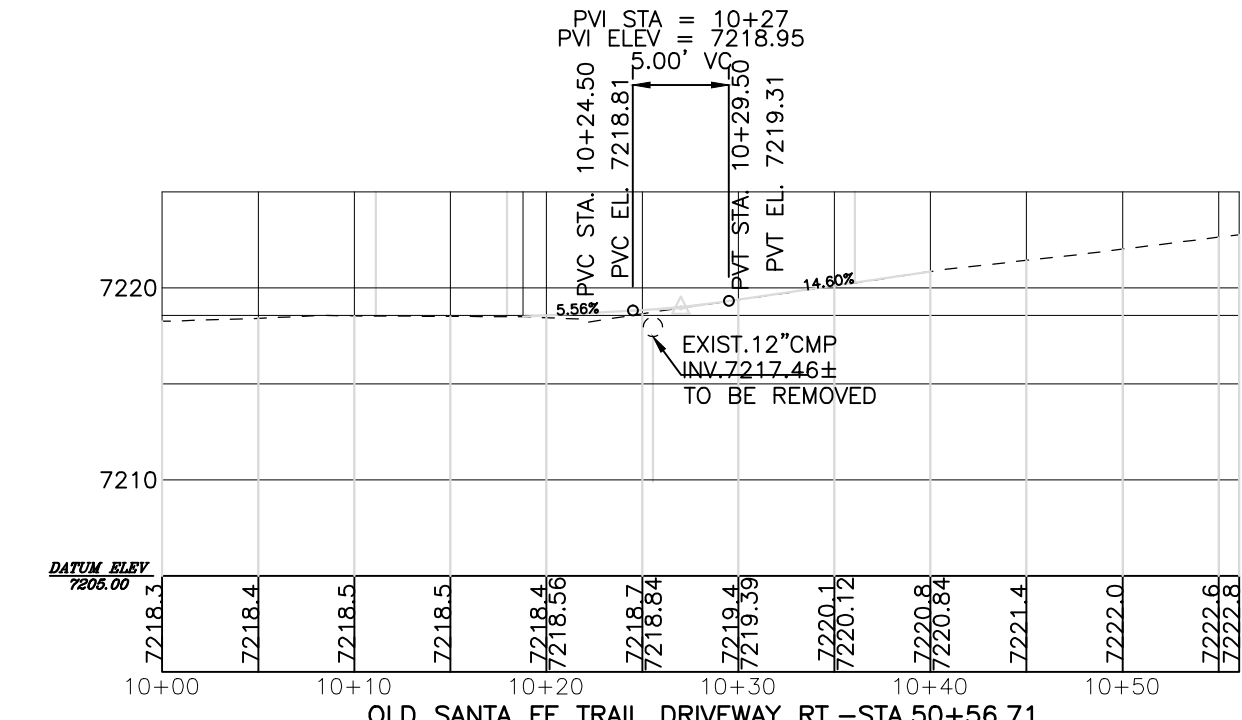
NOTE:
 END PAVEMENT AT RIGHT-
 OF-WAY LINE. RE-GRADE
 DRIVEWAYS OUTSIDE OF
 PAVEMENT AS SHOWN.



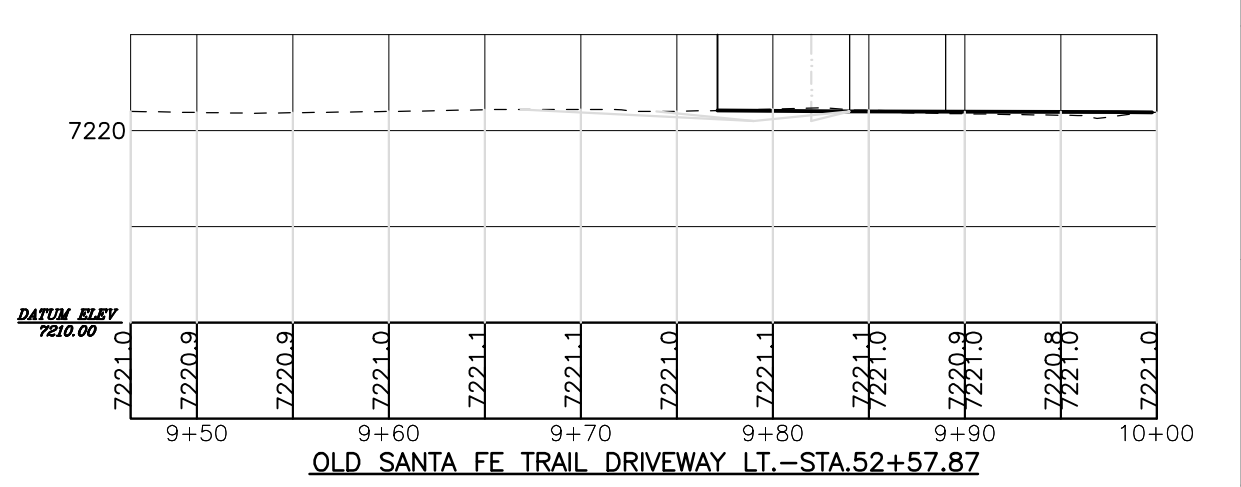
OLD SANTA FE TRAIL DRIVEWAY LT.—STA.31+70.81



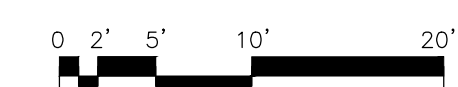
OLD SANTA FE TRAIL DRIVEWAY RT.—STA.37+04.48



OLD SANTA FE TRAIL DRIVEWAY RT.—STA.50+56.71



OLD SANTA FE TRAIL DRIVEWAY LT.—STA.52+57.87



NOTICE OF EXTENDED PAYMENT PROVISION:
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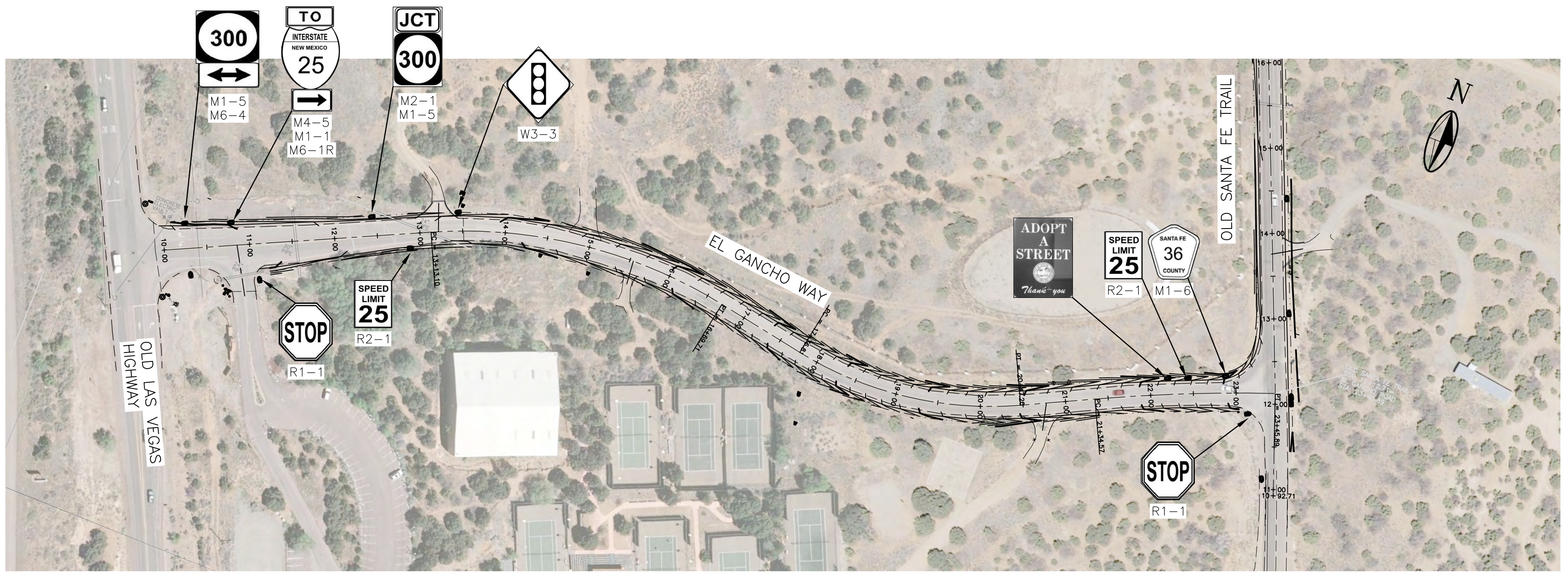
REVISION

SYMBOL:	DATE:	BY:



PROJECT NAME:
**OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N**
 OLD SANTA FE TRAIL DRIVEWAY
 PLAN AND PROFILES

APPROVED: - REVIEWED: -
 DATE: NOV., 2014 SHEET: C-204
 DRAWN BY: J.LOVATO

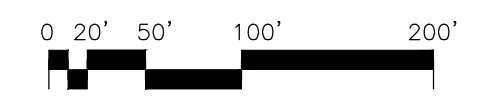
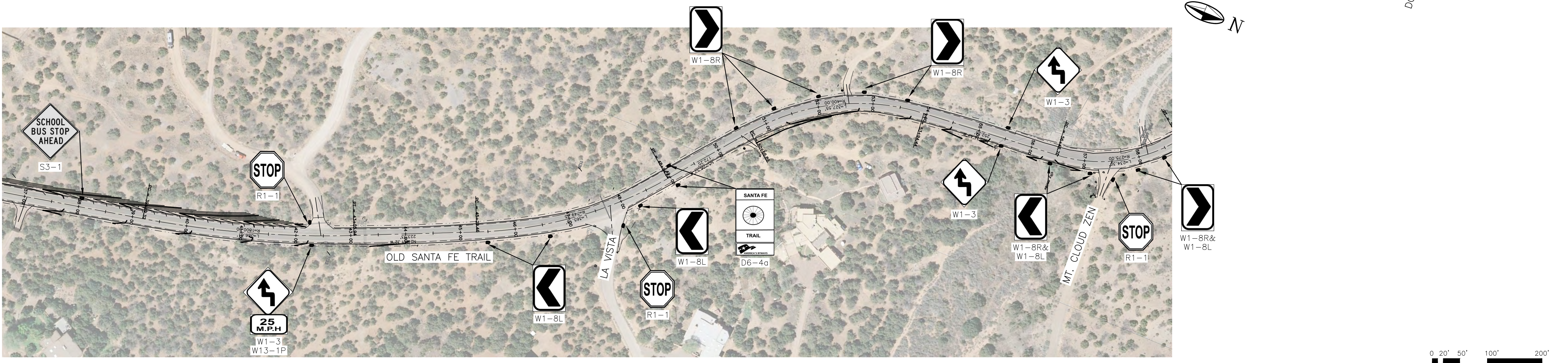
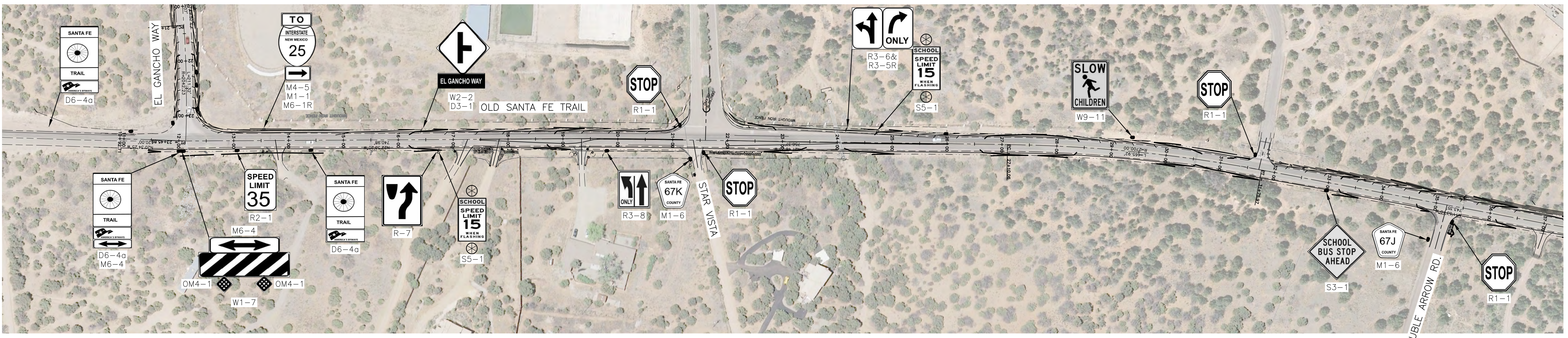


NOTE:

1. EXISTING TRAFFIC SIGNS TO BE REMOVED, SALVAGED AND REINSTALLED AFTER COMPLETION OF CONSTRUCTION.
2. ALL TRAFFIC SIGNS MUST BE SALVAGED IN A MANNER AS TO PROTECT ALL SIGN FACES FROM DAMAGE.
3. SIGNS MUST BE REINSTALLED USING APPROPRIATE SIGN ANCHOR HARDWARE IN THE SAME LOCATION WHERE REMOVED ± (PLUS OR MINUS WITHIN CONSTRUCTION LIMITS).
4. SIGN ANCHOR SHALL NOT EXCEED MORE THAN 6" ABOVE GROUND.
5. ALL REGULATORY SIGNS SHALL BE PLACED ON TEMPORARY STANDS IF NEEDED TO BE REMOVED FOR CONSTRUCTION PURPOSES.
6. CONTRACTOR SHALL COORDINATE WITH SANTA FE COUNTY PUBLIC WORKS TRAFFIC DIVISION REGARDING RELOCATION OF SOLAR SCHOOL FLASHER SIGNS IF NECESSARY.

MOLZENCORBIN

2701 Miles Road SE
 Albuquerque, New Mexico 87106
 505 242 5700 office
 505 242 0673 fax
 MolzenCorbin.com



NOTICE OF EXTENDED PAYMENT PROVISION:
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REVISION

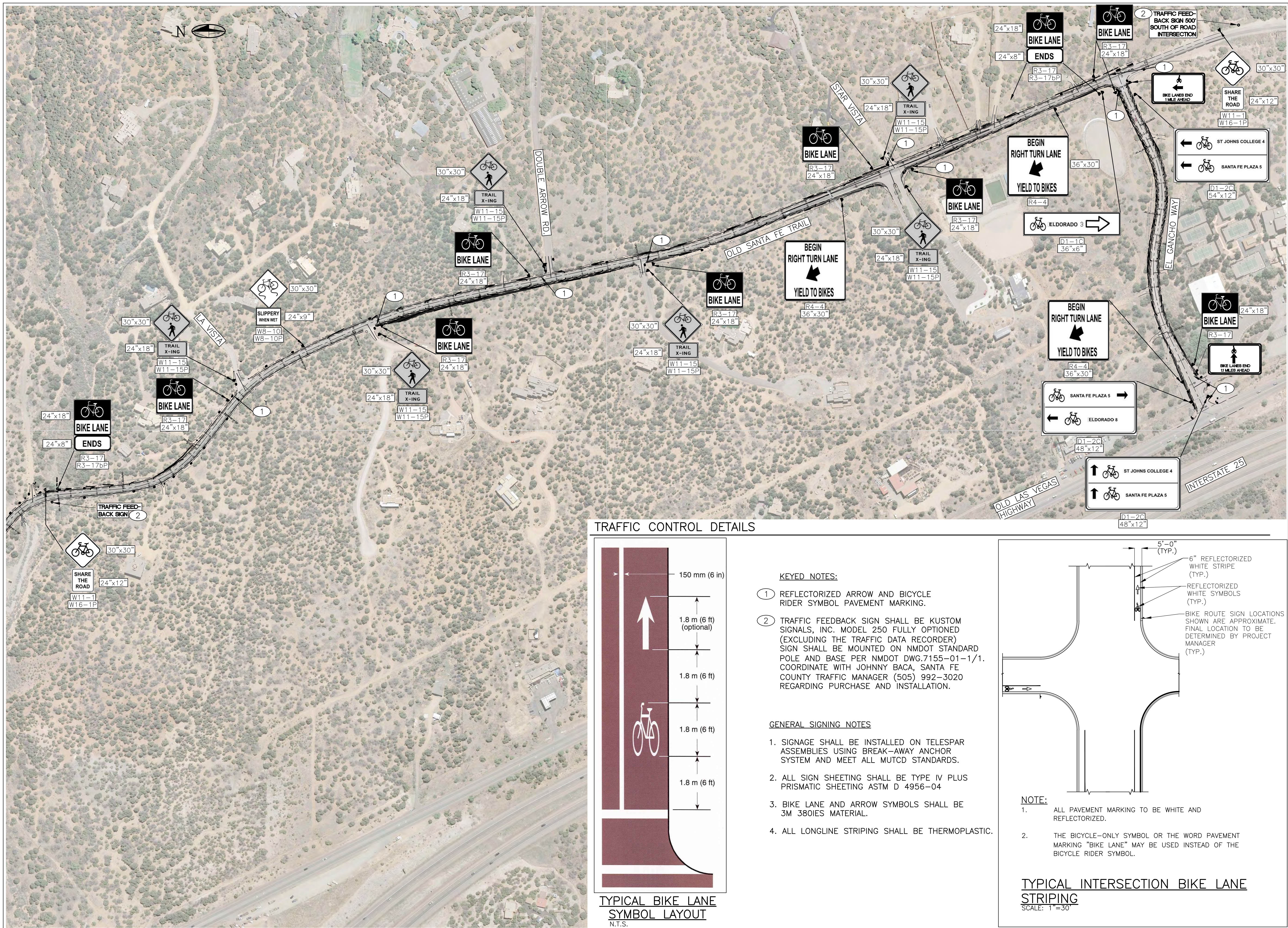
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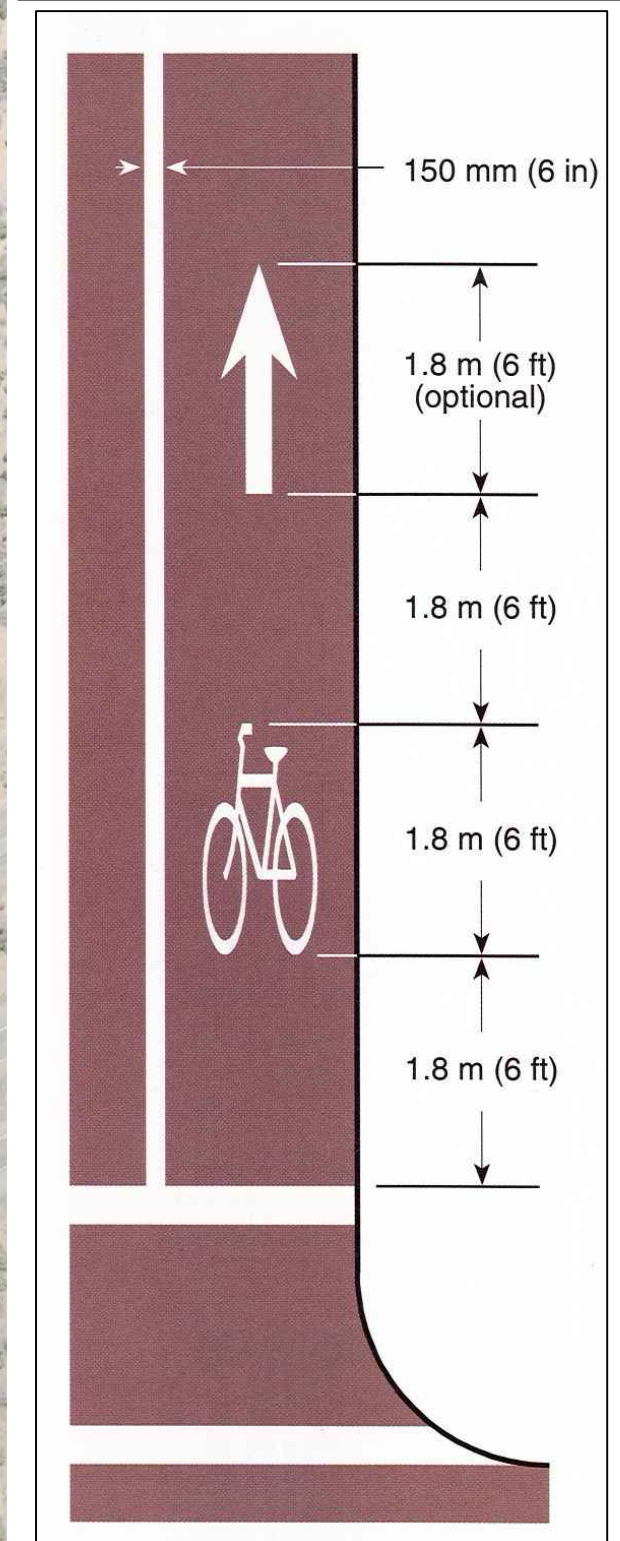
PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

**EXISTING SIGNAGE
 PLAN**

APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: C-301
DRAWN BY: J.LOVATO	



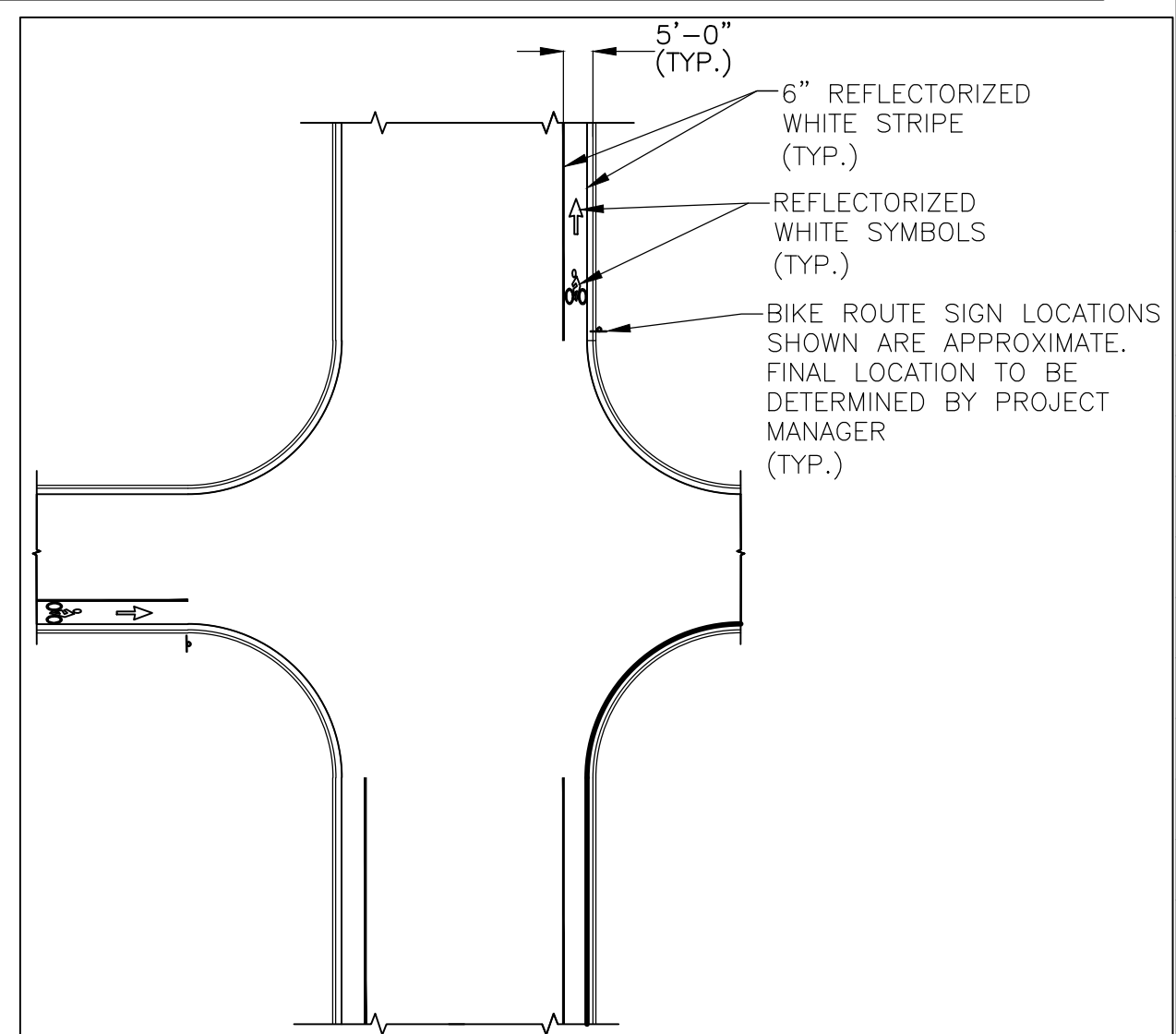
TRAFFIC CONTROL DETAILS



TYPICAL BIKE LANE SYMBOL LAYOUT
N.T.S.

- KEYED NOTES:**
- REFLECTORIZED ARROW AND BICYCLE RIDER SYMBOL PAVEMENT MARKING.
 - TRAFFIC FEEDBACK SIGN SHALL BE KUSTOM SIGNALS, INC. MODEL 250 FULLY OPTIONED (EXCLUDING THE TRAFFIC DATA RECORDER) SIGN SHALL BE MOUNTED ON NMDOT STANDARD POLE AND BASE PER NMDOT DWG.7155-01-1/1. COORDINATE WITH JOHNNY BACA, SANTA FE COUNTY TRAFFIC MANAGER (505) 992-3020 REGARDING PURCHASE AND INSTALLATION.

- GENERAL SIGNING NOTES**
- SIGNAGE SHALL BE INSTALLED ON TELESAR ASSEMBLIES USING BREAK-AWAY ANCHOR SYSTEM AND MEET ALL MUTCD STANDARDS.
 - ALL SIGN SHEETING SHALL BE TYPE IV PLUS PRISMATIC SHEETING ASTM D 4956-04
 - BIKE LANE AND ARROW SYMBOLS SHALL BE 3M 380IES MATERIAL.
 - ALL LONGLINE STRIPING SHALL BE THERMOPLASTIC.



- NOTE:**
- ALL PAVEMENT MARKING TO BE WHITE AND REFLECTORIZED.
 - THE BICYCLE-ONLY SYMBOL OR THE WORD PAVEMENT MARKING "BIKE LANE" MAY BE USED INSTEAD OF THE BICYCLE RIDER SYMBOL.

TYPICAL INTERSECTION BIKE LANE STRIPING
SCALE: 1"=30'



NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

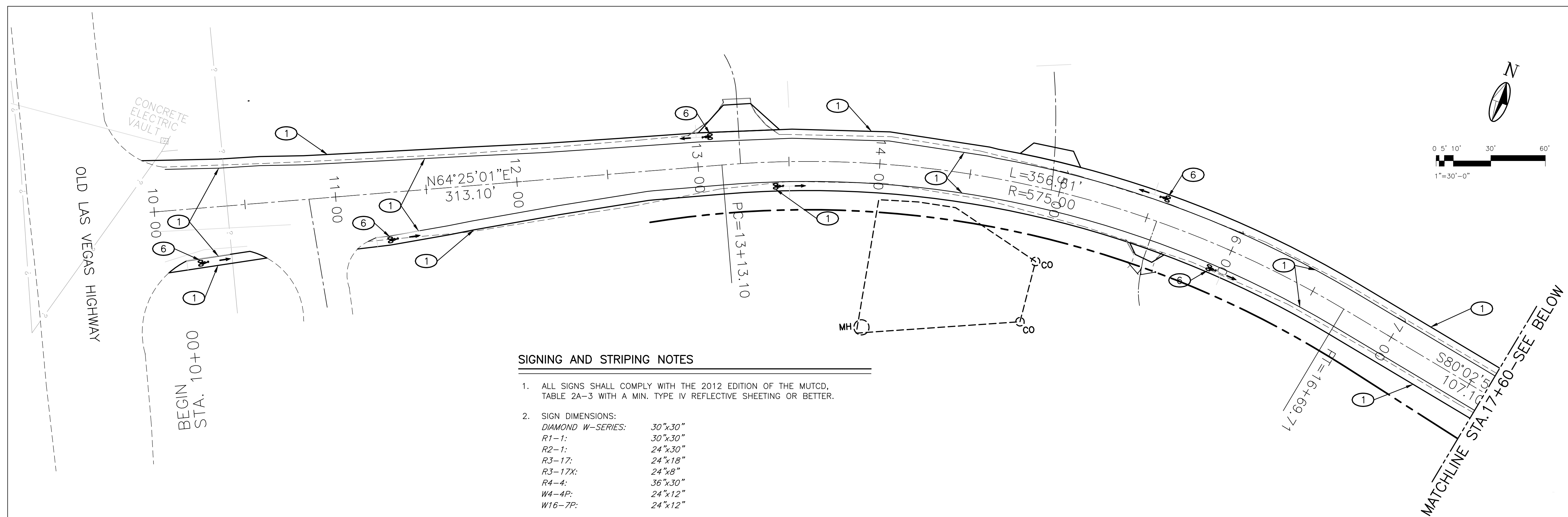
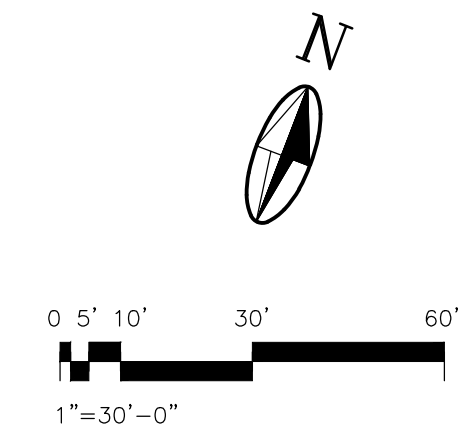
REVISION		
SYMBOL:	DATE:	BY:



PROJECT NAME:
OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

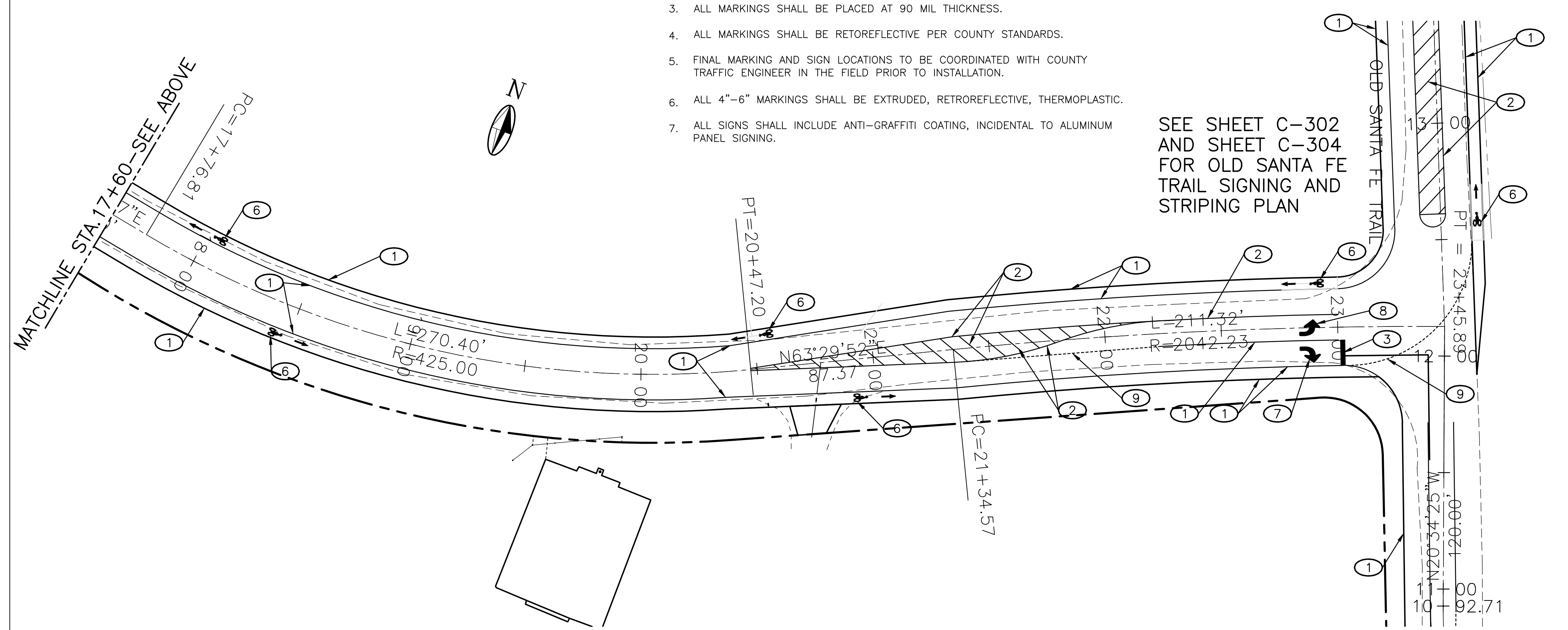
TRAFFIC CONTROL, STRIPING PLAN AND DETAILS

APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: C-302
DRAWN BY: J.LOVATO	



SIGNING AND STRIPING NOTES

1. ALL SIGNS SHALL COMPLY WITH THE 2012 EDITION OF THE MUTCD, TABLE 2A-3 WITH A MIN. TYPE IV REFLECTIVE SHEETING OR BETTER.
2. SIGN DIMENSIONS:
 DIAMOND W-SERIES: 30"x30"
 R1-1: 30"x30"
 R2-1: 24"x30"
 R3-17: 24"x18"
 R3-17X: 24"x8"
 R4-4: 36"x30"
 W4-4P: 24"x12"
 W16-7P: 24"x12"
3. ALL MARKINGS SHALL BE PLACED AT 90 MIL THICKNESS.
4. ALL MARKINGS SHALL BE RETROREFLECTIVE PER COUNTY STANDARDS.
5. FINAL MARKING AND SIGN LOCATIONS TO BE COORDINATED WITH COUNTY TRAFFIC ENGINEER IN THE FIELD PRIOR TO INSTALLATION.
6. ALL 4"-6" MARKINGS SHALL BE EXTRUDED, RETROREFLECTIVE, THERMOPLASTIC.
7. ALL SIGNS SHALL INCLUDE ANTI-GRAFFITI COATING, INCIDENTAL TO ALUMINUM PANEL SIGNING.



KEYED NOTES

- 1 6" SOLID WHITE - THERMOPLASTIC TRAFFIC STRIPE
- 2 4" SOLID YELLOW - THERMOPLASTIC TRAFFIC STRIPE
- 3 24" SOLID WHITE - THERMOPLASTIC TRAFFIC STOP BAR
- 4 4" DOUBLE SOLID YELLOW - THERMOPLASTIC TRAFFIC STRIPE
- 5 4" BROKEN YELLOW (10' STRIPE, 30' GAP) - THERMOPLASTIC TRAFFIC STRIPE
- 6 WHITE HELMETED BICYCLE LANE SYMBOL WITH DIRECTION ARROW - THERMOPLASTIC MARKING. SEE THIS SHEET
- 7 WHITE RIGHT TURN LANE SYMBOL - THERMOPLASTIC MARKING.
- 8 WHITE LEFT TURN LANE SYMBOL - THERMOPLASTIC MARKING.
- 9 4" DOTTED WHITE LINE WITH SPACING AS FOLLOWS:
 -2' LINE SEGMENTS
 -6' GAPS



NOTICE OF EXTENDED PAYMENT PROVISION:
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REVISION

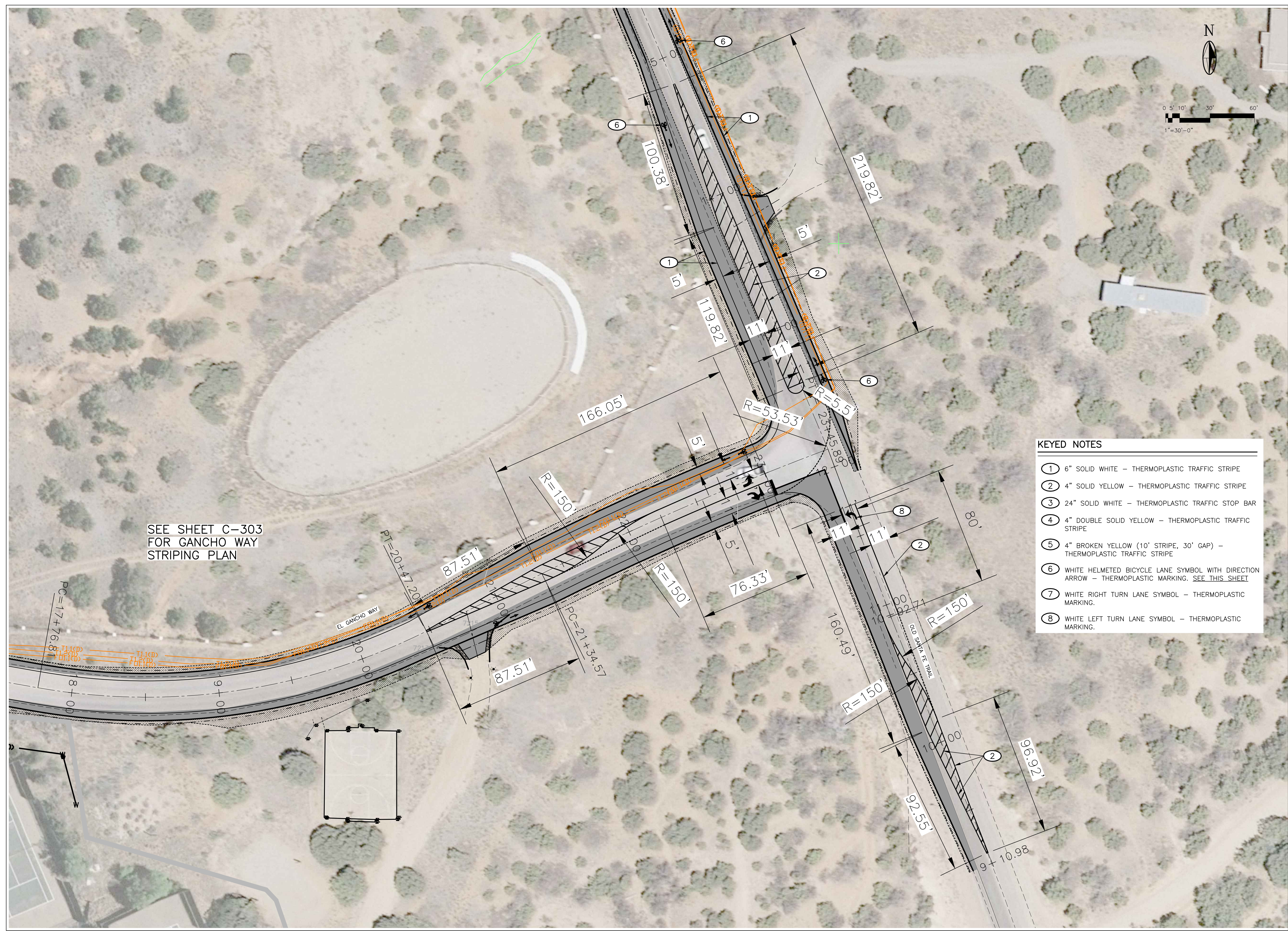
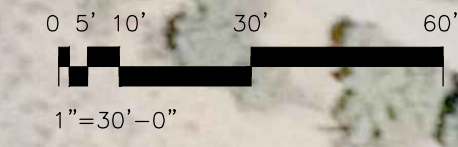
SYMBOL:	DATE:	BY:



PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N
**EL GANCHO WAY
 STRIPING PLAN**

APPROVED: - REVIEWED: -
 DATE: NOV., 2014 SHEET:
 DRAWN BY: J.LOVATO C-303

CAUTION:
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SEE SHEET C-303
 FOR GANCHO WAY
 STRIPING PLAN

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- ② 4" SOLID YELLOW - THERMOPLASTIC TRAFFIC STRIPE
- ③ 24" SOLID WHITE - THERMOPLASTIC TRAFFIC STOP BAR
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- ⑤ 4" BROKEN YELLOW (10' STRIPE, 30' GAP) - THERMOPLASTIC TRAFFIC STRIPE
- ⑥ WHITE HELMETED BICYCLE LANE SYMBOL WITH DIRECTION ARROW - THERMOPLASTIC MARKING. SEE THIS SHEET
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NOTICE OF EXTENDED PAYMENT PROVISION:
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 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
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REVISION

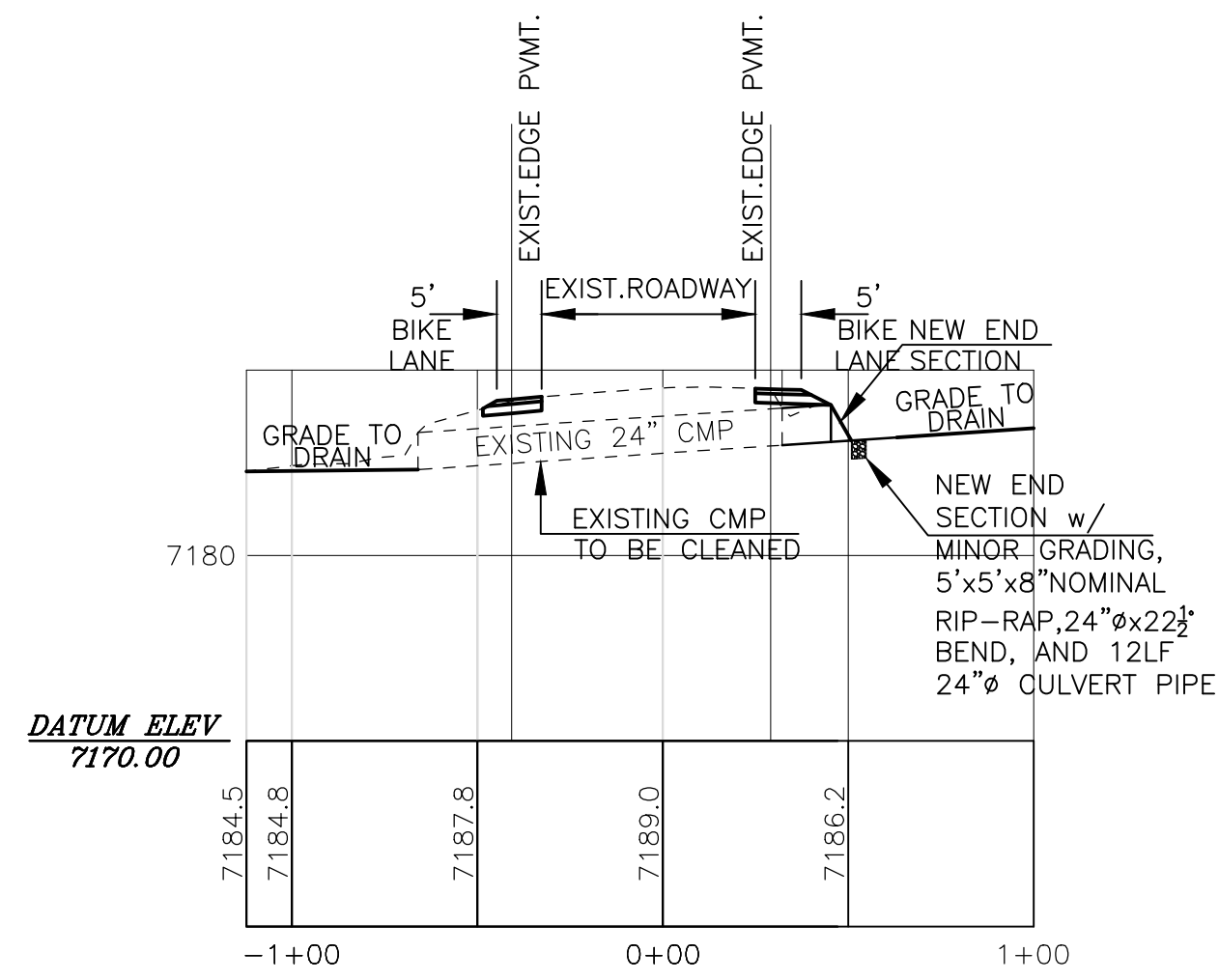
SYMBOL:	DATE:	BY:



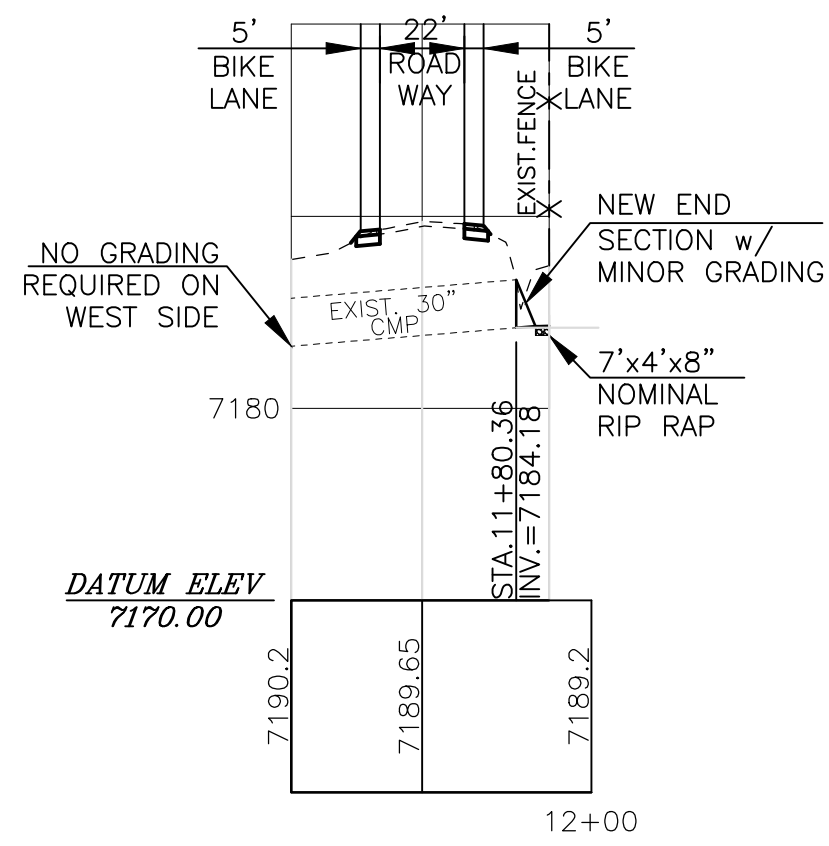
PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

**EL GANCHO WAY-OLD SANTA FE TRAIL
 INTERSECTION DETAILS**

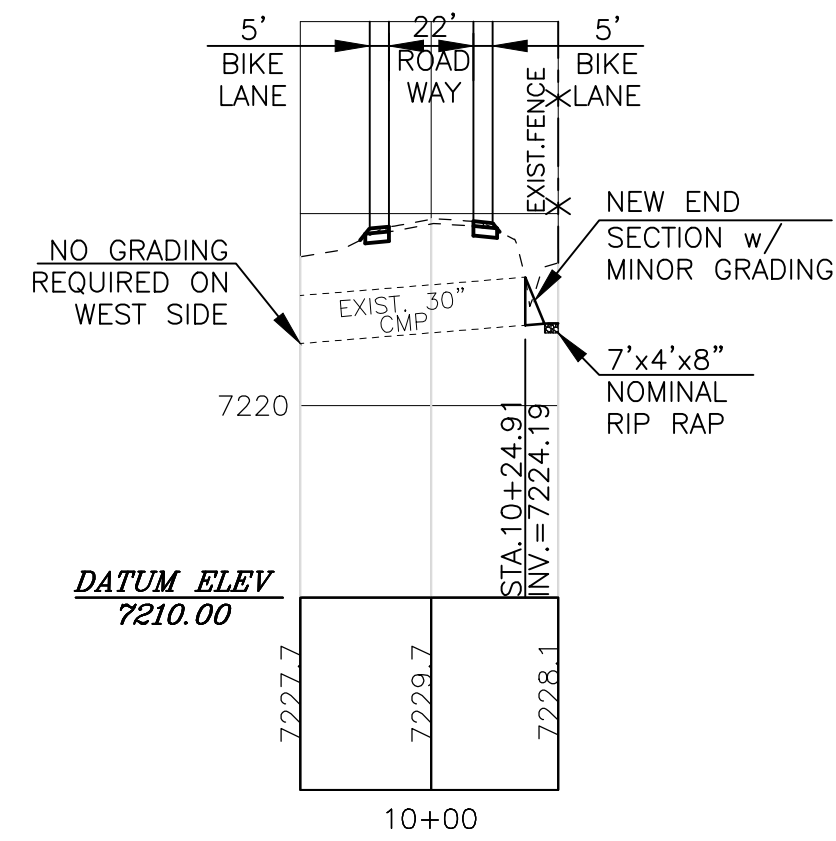
APPROVED: - REVIEWED: -
 DATE: NOV., 2014 SHEET:
 DRAWN BY: J.LOVATO C-304



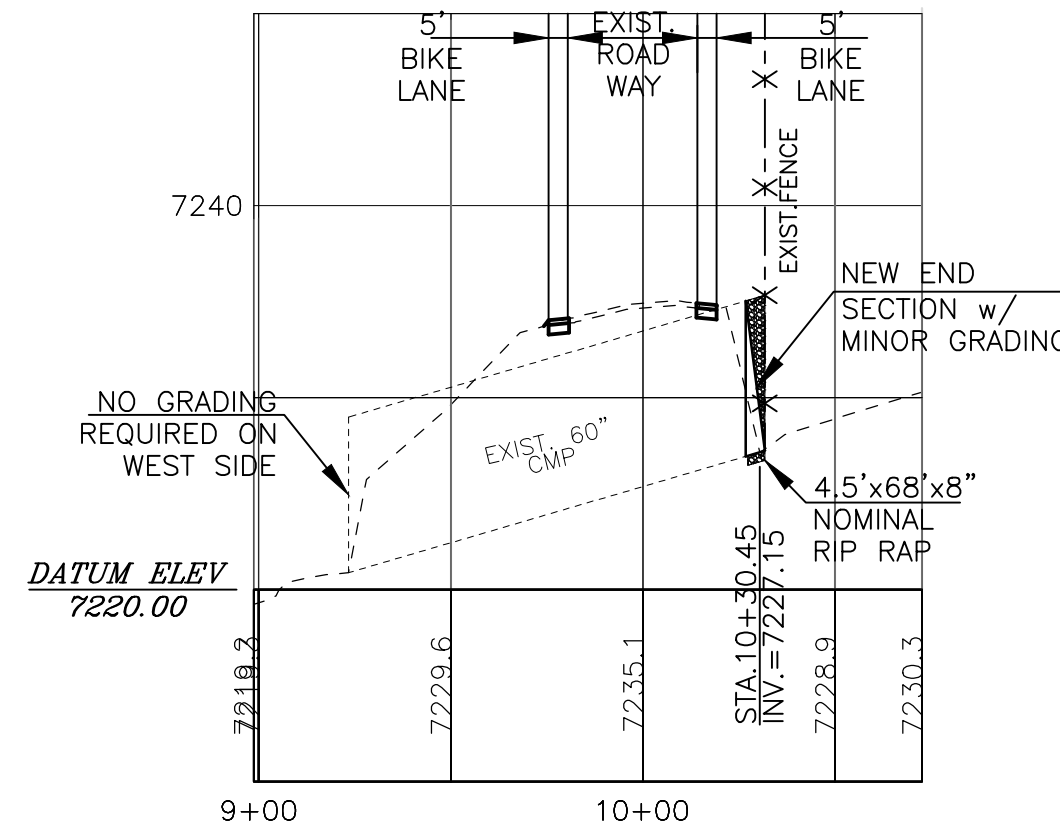
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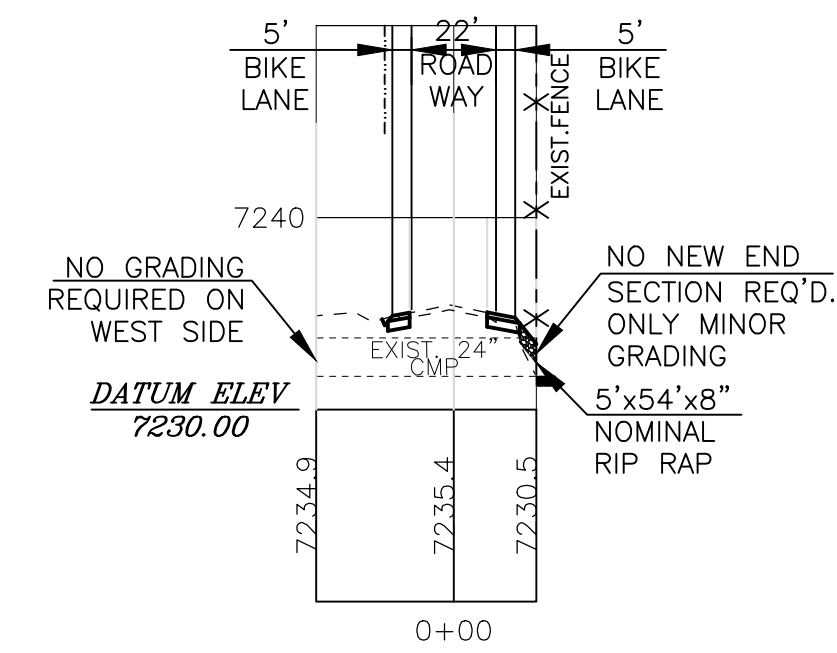
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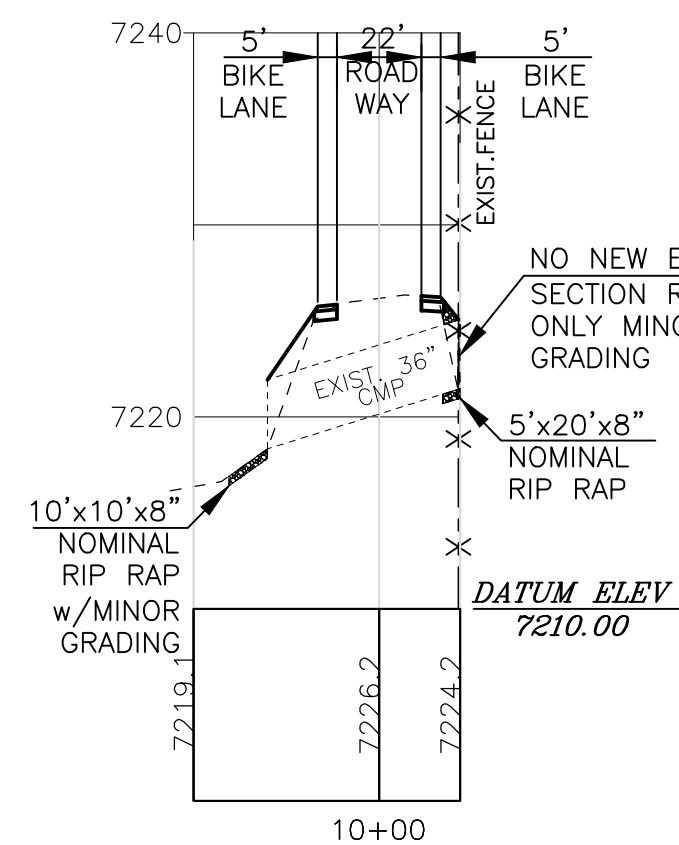
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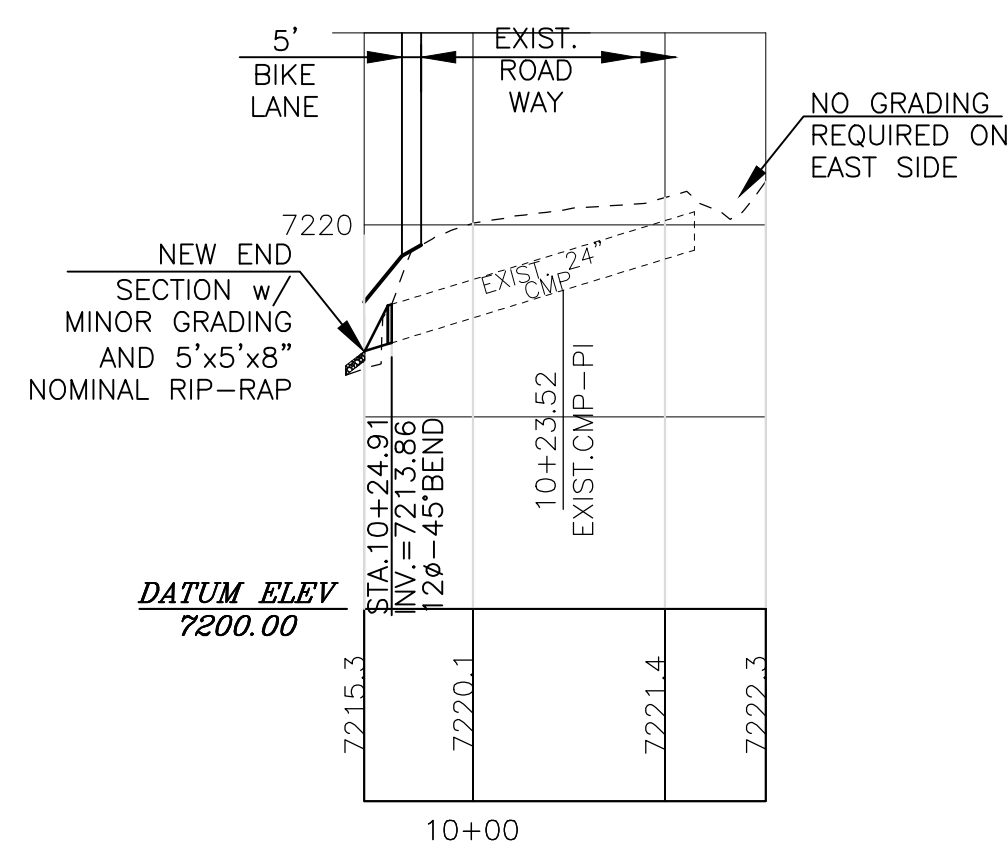
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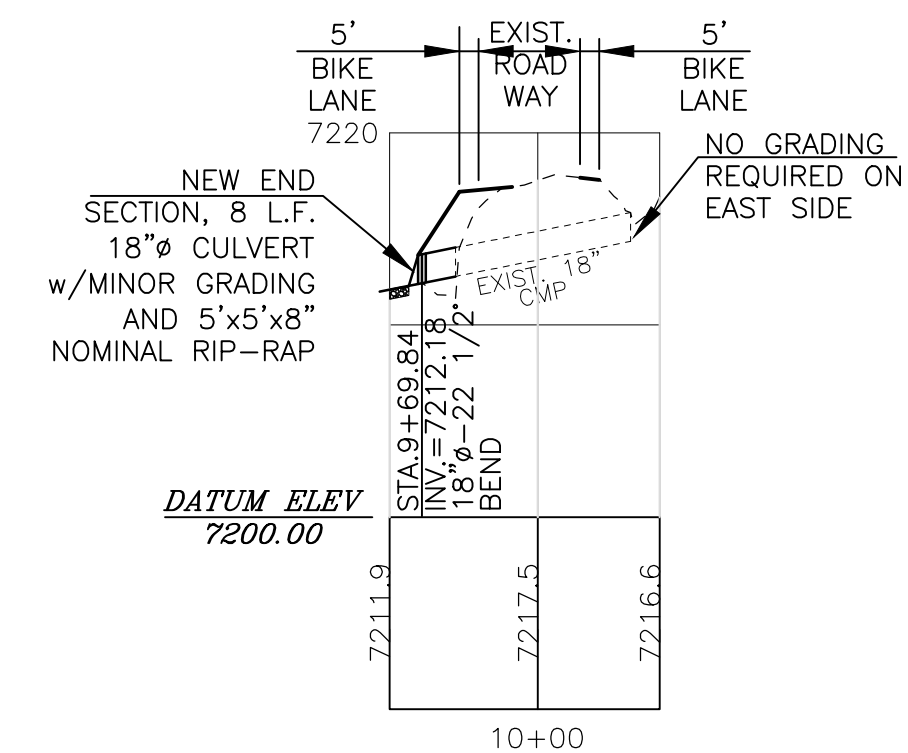
CULVERT CROSSING-CL STA.30+54.44



CULVERT CROSSING-CL STA.43+25.89



CULVERT CROSSING-CL STA.47+71.41



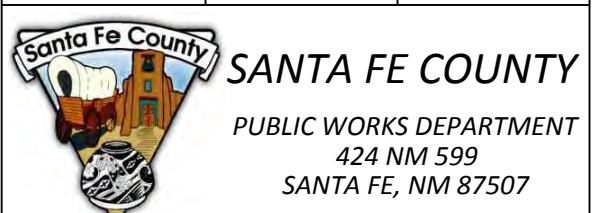
CULVERT CROSSING-CL STA.50+02.97



NOTICE OF EXTENDED PAYMENT PROVISION:
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REVISION

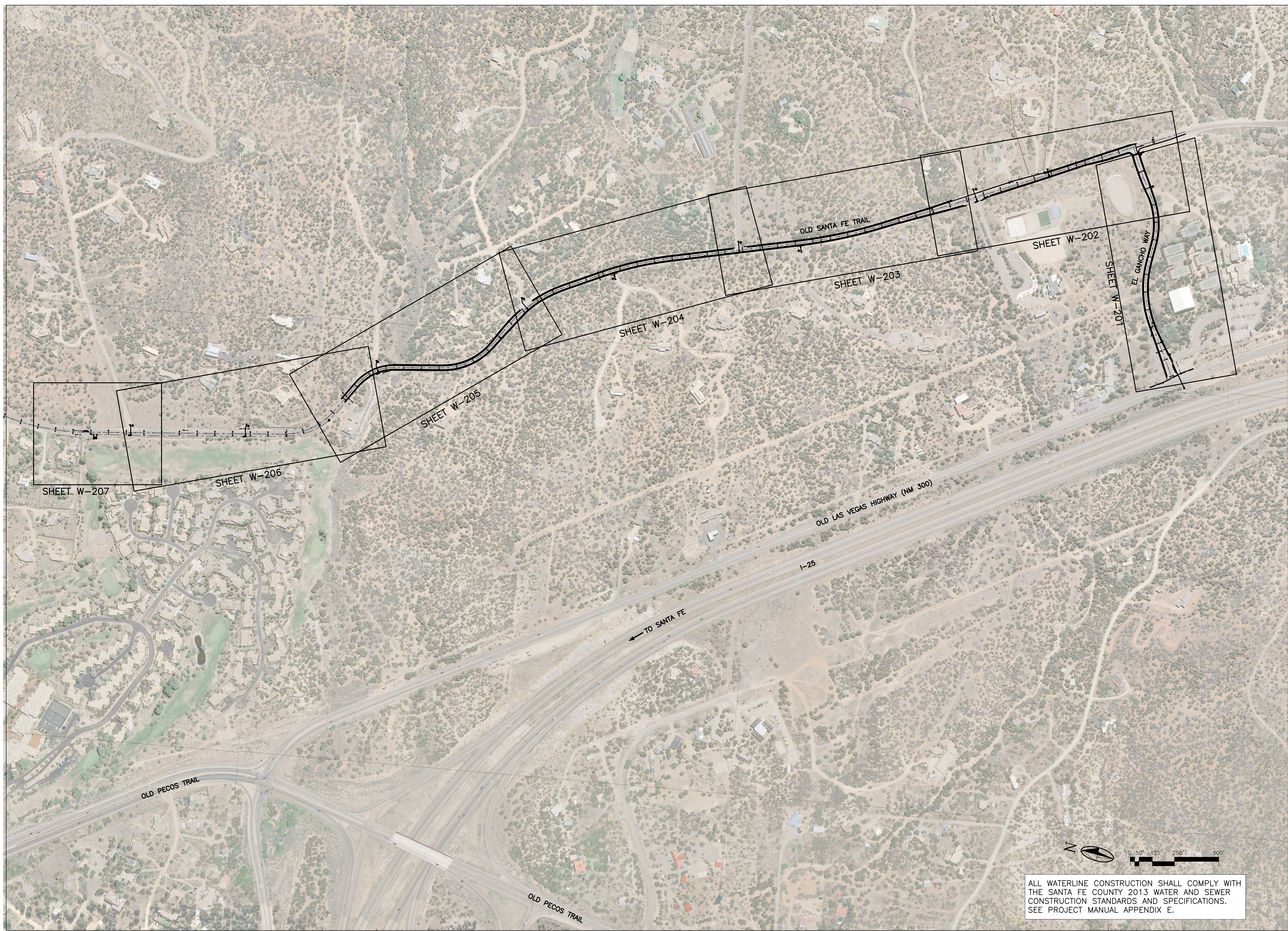
SYMBOL:	DATE:	BY:



PROJECT NAME:
**OLD SANTA FE TRAIL
ROAD IMPROVEMENTS
AND
WATERLINE TL2N**

**CULVERT CROSSING
SECTIONS**

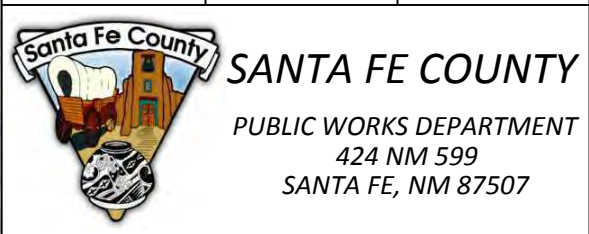
APPROVED: -	REVIEWED: -
DATE: NOV., 2014	SHEET: -
DRAWN BY: J.LOVATO	C-401



NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE
 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
 OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:

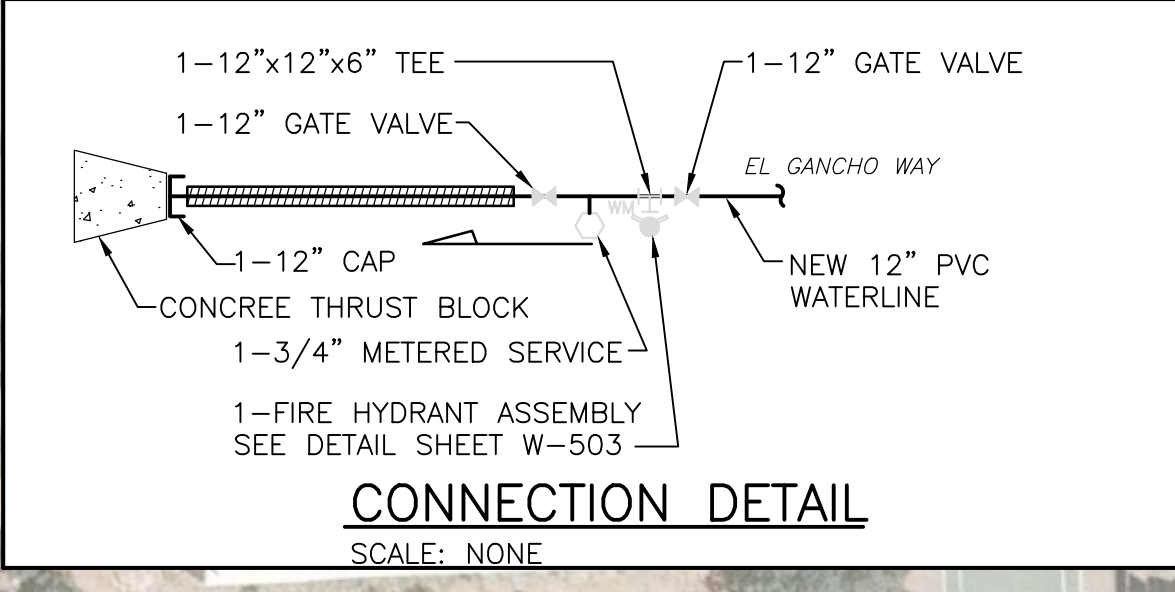
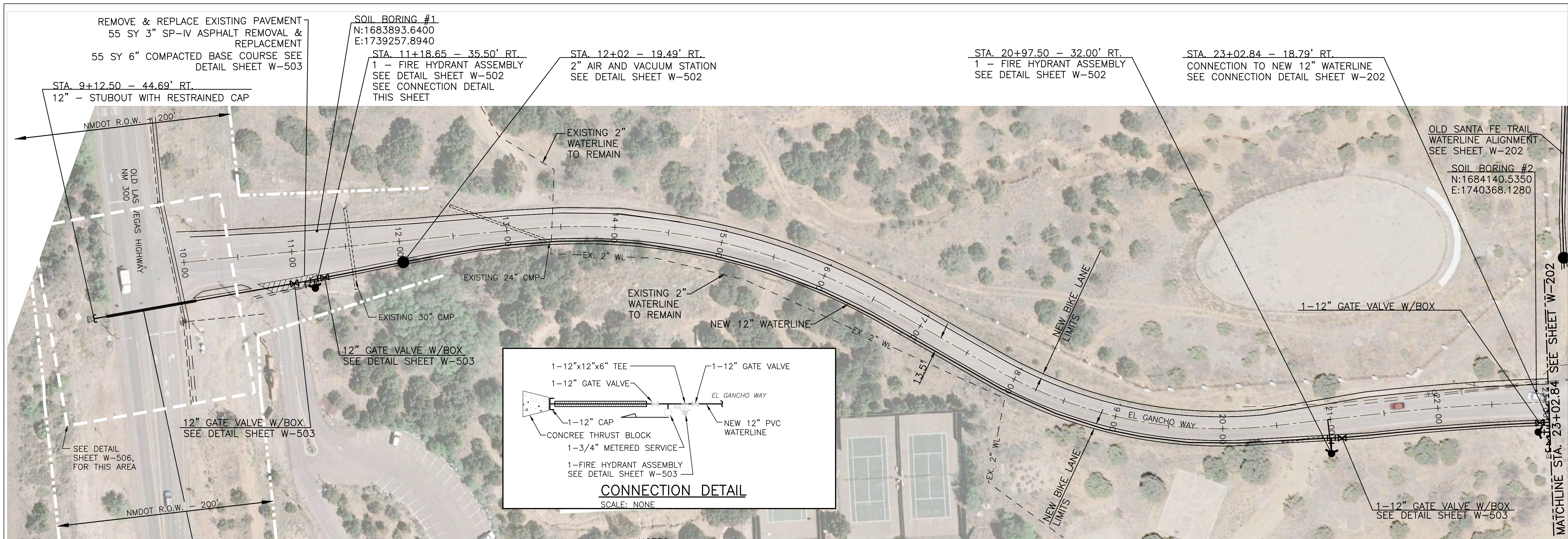


PROJECT NAME:
**OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N**

INDEX TO
 WATERLINE DRAWINGS

APPROVED: R. GEORGE REVIEWED: SM
 DATE: NOV., 2014 SHEET:
 DRAWN BY: J.MARTINEZ W-101

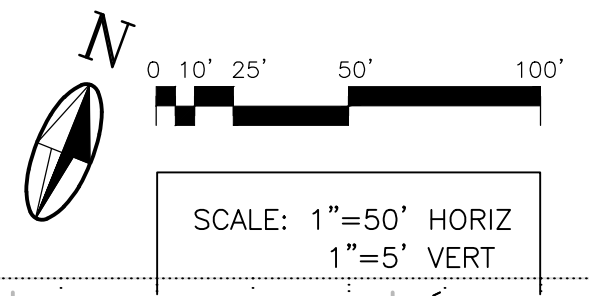
ALL WATERLINE CONSTRUCTION SHALL COMPLY WITH
 THE SANTA FE COUNTY 2013 WATER AND SEWER
 CONSTRUCTION STANDARDS AND SPECIFICATIONS.
 SEE PROJECT MANUAL APPENDIX E.



CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE SHOWN IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

STA. 9+58
NM-300 (OLD LAS VEGAS HWY.)
JACK AND BORE CROSSING
SEE W-506

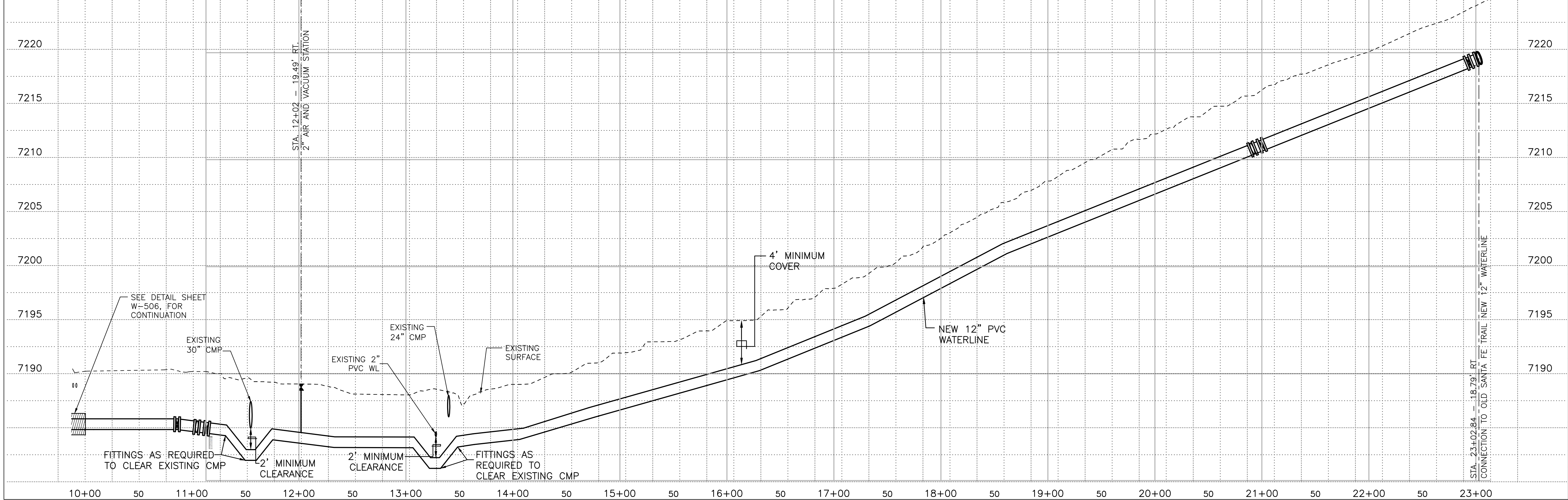
- NOTES:**
1. RESTRAIN ALL VALVES AND FITTINGS WITH JOINT RESTRAINT DEVICES. SEE JOINT RESTRAINT REQUIREMENTS SHEET W-505
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 3. COVER IS SHOWN AT 4 FT. MINIMUM, DEEPER DEPTHS OF COVER MAY BE REQUIRED IN SOME LOCATIONS TO MAINTAIN POSITIVE SLOPE TO AIR/VACUUM STATIONS AND AT SOME EXISTING UTILITY CROSSINGS. THESE LOCATIONS AND DETAILS WILL BE SHOWN AND NOTED ON THE DRAWINGS.



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REVISION

SYMBOL:	DATE:	BY:



SANTA FE COUNTY
PUBLIC WORKS DEPARTMENT
424 NM 599
SANTA FE, NM 87507

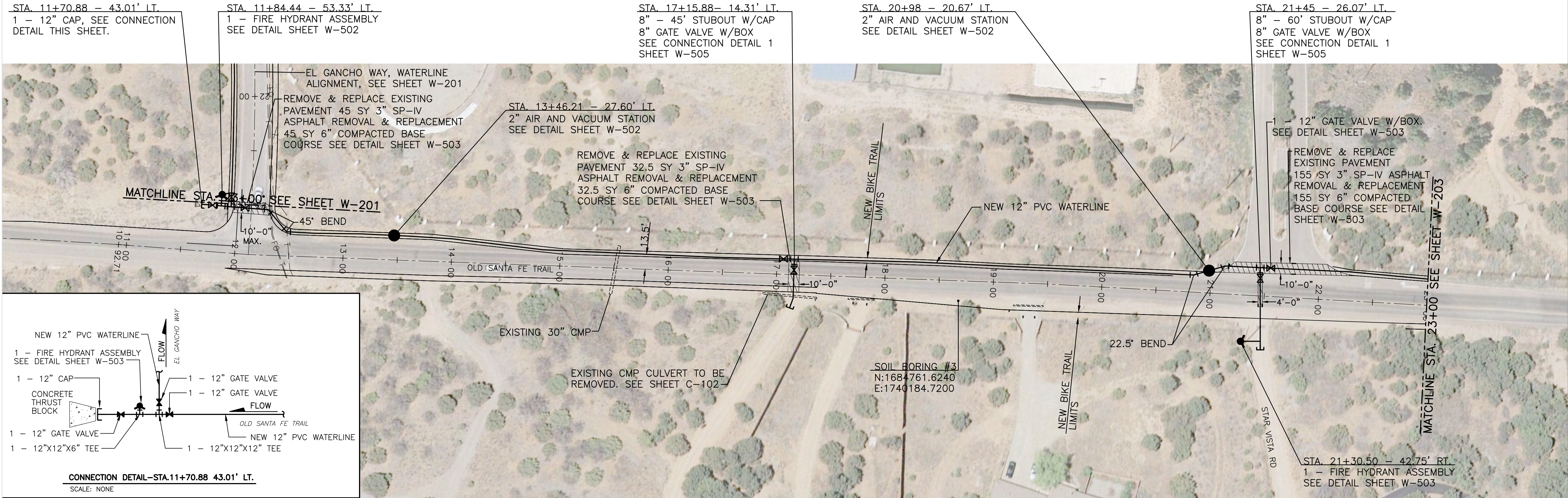
PROJECT NAME:
OLD SANTA FE TRAIL
ROAD IMPROVEMENTS
AND
WATERLINE TL2N

EL GANCHO WAY WATERLINE PLAN & PROFILE STA. 9+12.50 TO STA. 23+02.84

APPROVED: R. GEORGE REVIEWED: SM

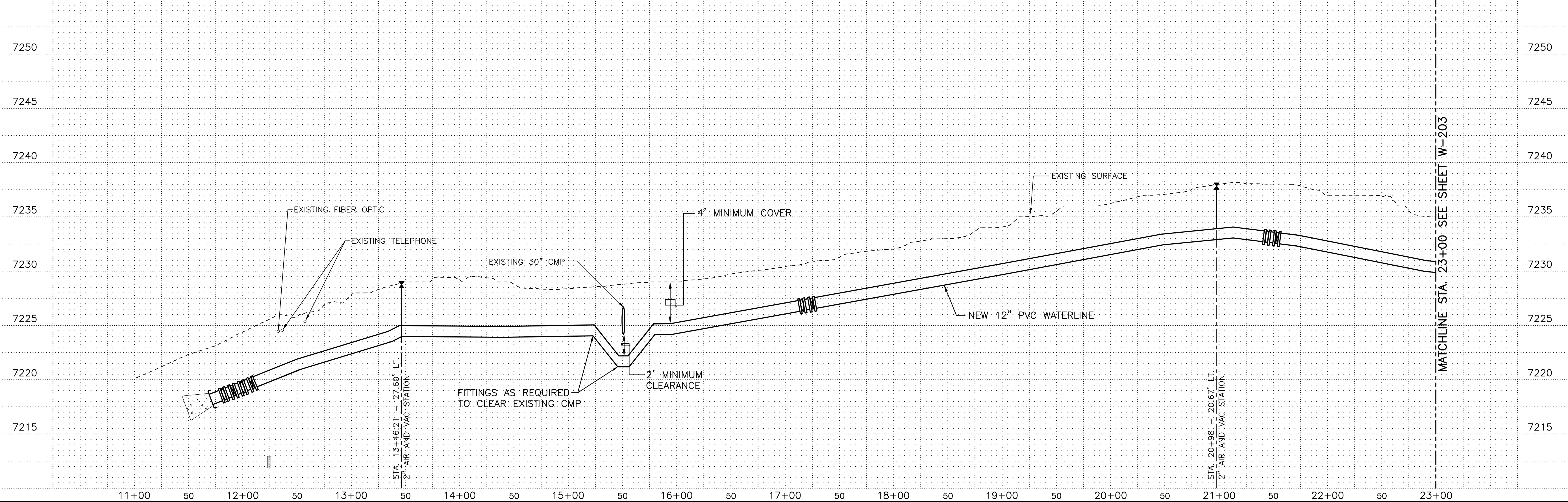
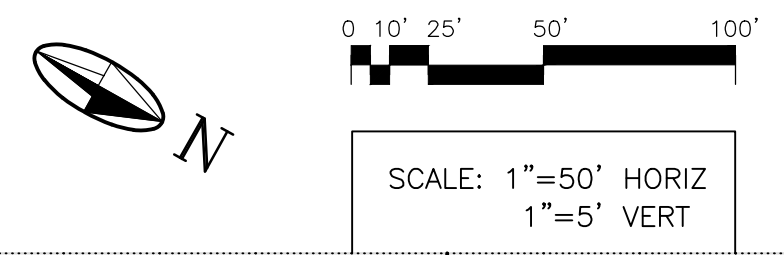
DATE: NOV., 2014 SHEET: W-201

DRAWN BY: J. MARTINEZ



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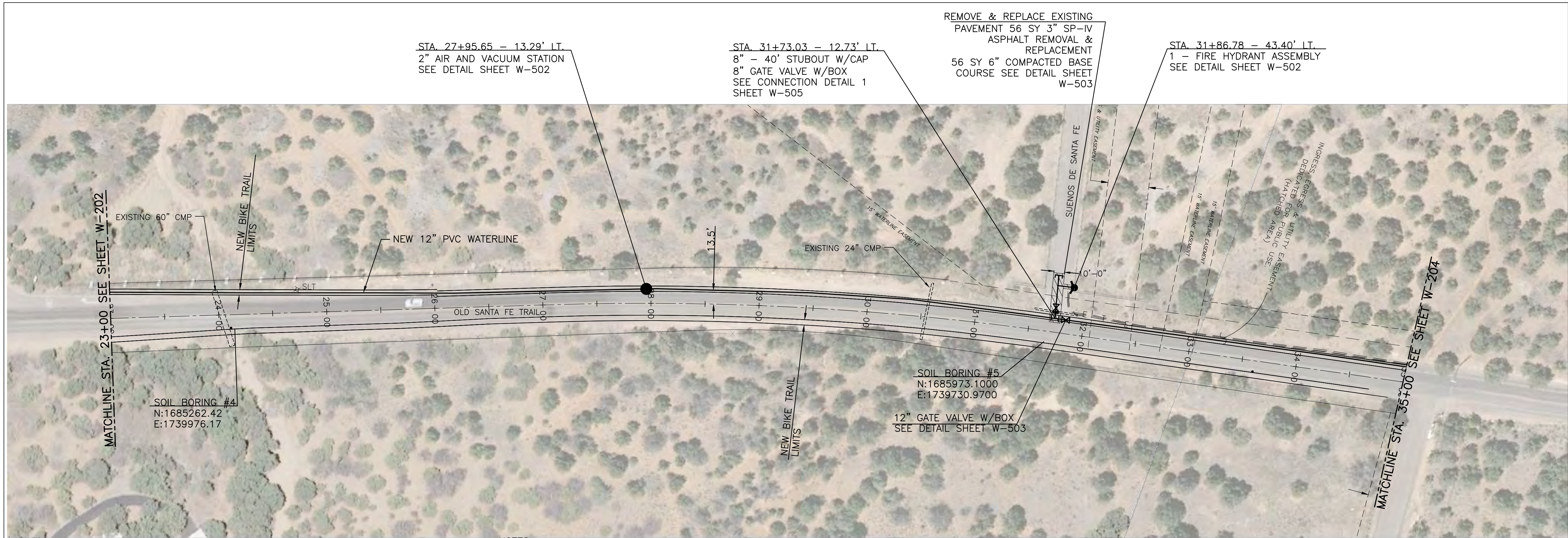


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REVISION		
SYMBOL:	DATE:	BY:



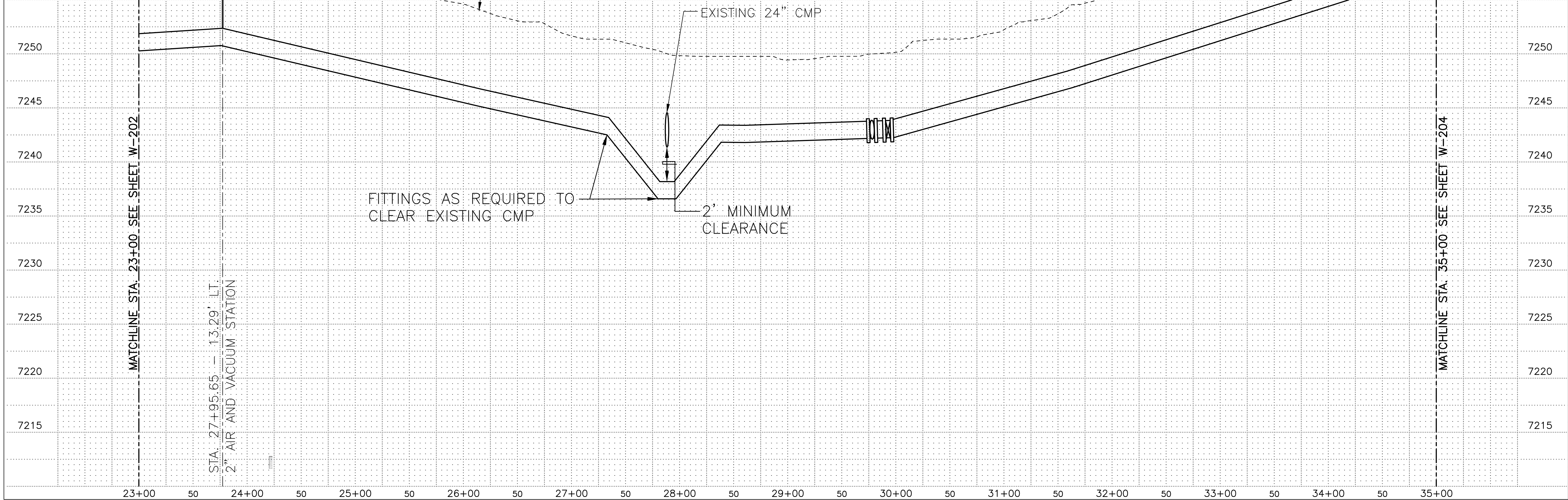
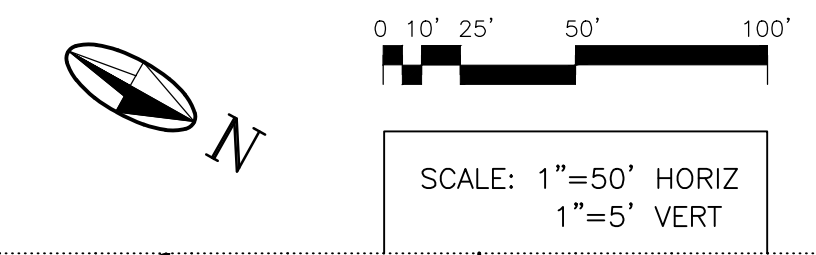
PROJECT NAME:
OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N
OLD SANTA FE TRAIL WATERLINE PLAN & PROFILE STA.11+00 TO STA.23+00
APPROVED: R.GEORGE REVIEWED: SM
DATE: NOV., 2014 SHEET: W-202
DRAWN BY: J.MARTINEZ



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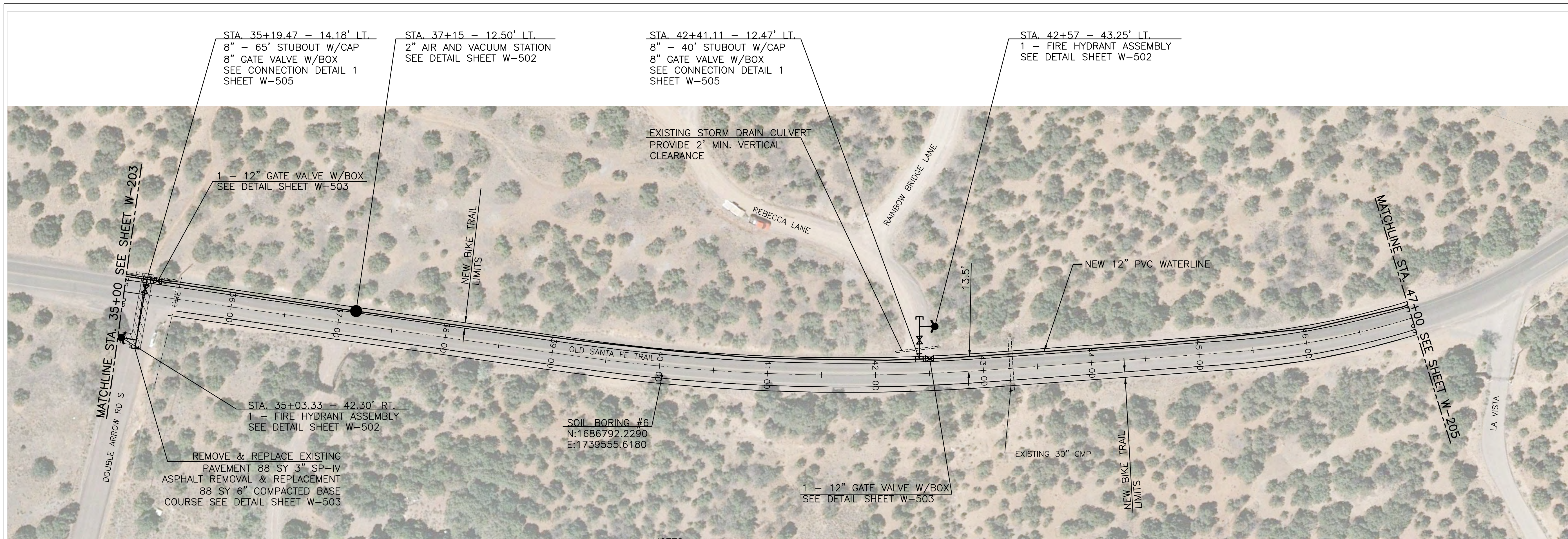
REVISION		
SYMBOL:	DATE:	BY:



PROJECT NAME:
OLD SANTA FE TRAIL
ROAD IMPROVEMENTS
AND
WATERLINE TL2N

OLD SANTA FE TRAIL WATERLINE PLAN
& PROFILE STA.23+00 TO STA.35+00

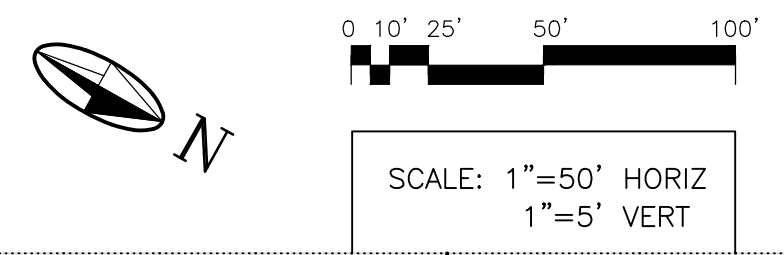
APPROVED: R.GEORGE REVIEWED: SM
DATE: NOV., 2014 SHEET:
DRAWN BY: J.MARTINEZ W-203



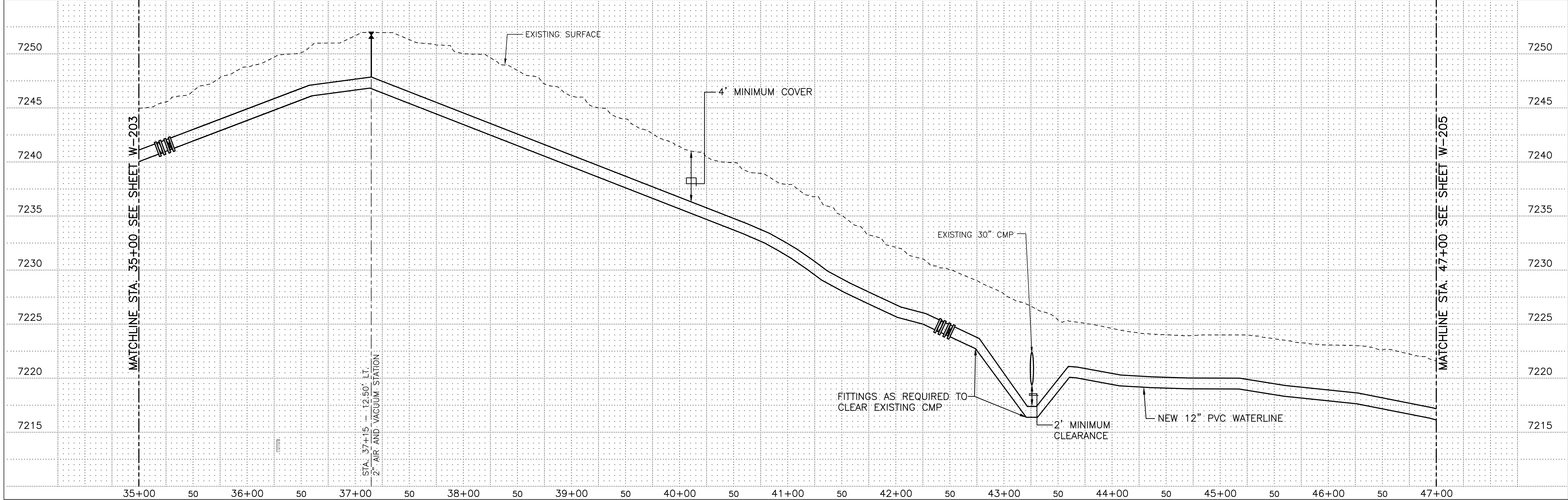
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REVISION		
SYMBOL:	DATE:	BY:



PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

OLD SANTA FE TRAIL WATERLINE PLAN & PROFILE STA.35+00 TO STA.47+00

APPROVED: R.GEORGE REVIEWED: SM

DATE: NOV., 2014 SHEET: W-204

DRAWN BY: J.MARTINEZ

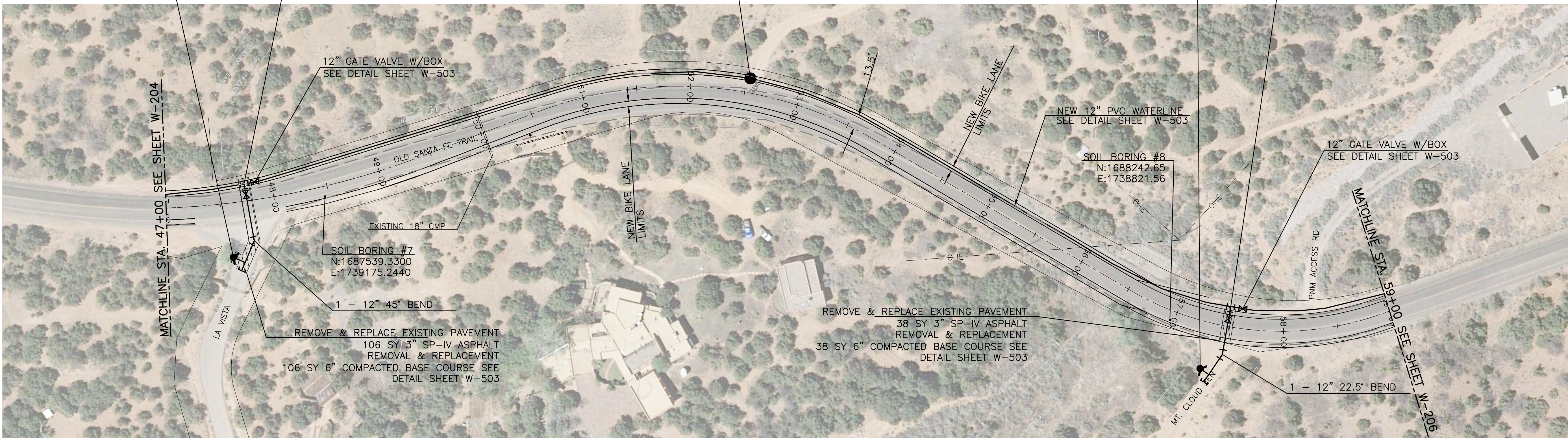
STA. 47+56.60 - 50.00' RT.
1 - FIRE HYDRANT ASSEMBLY
SEE DETAIL SHEET W-502

STA. 47+74.46 - 15.20' LT.
8" - 85' STUBOUT W/CAP
8" GATE VALVE W/BOX
SEE CONNECTION DETAIL 1
SHEET W-505

STA. 52+53 - 14.18' LT.
2" AIR AND VACUUM STATION
SEE DETAIL SHEET W-502

STA. 57+32.60 - 43.30' RT.
1 - FIRE HYDRANT ASSEMBLY
SEE DETAIL SHEET W-502

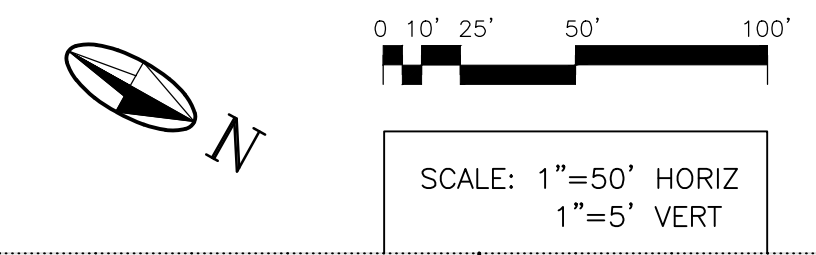
STA. 57+48 - 17.87' LT.
8" - 75' STUBOUT W/CAP
8" GATE VALVE W/BOX
SEE CONNECTION DETAIL 1
SHEET W-505



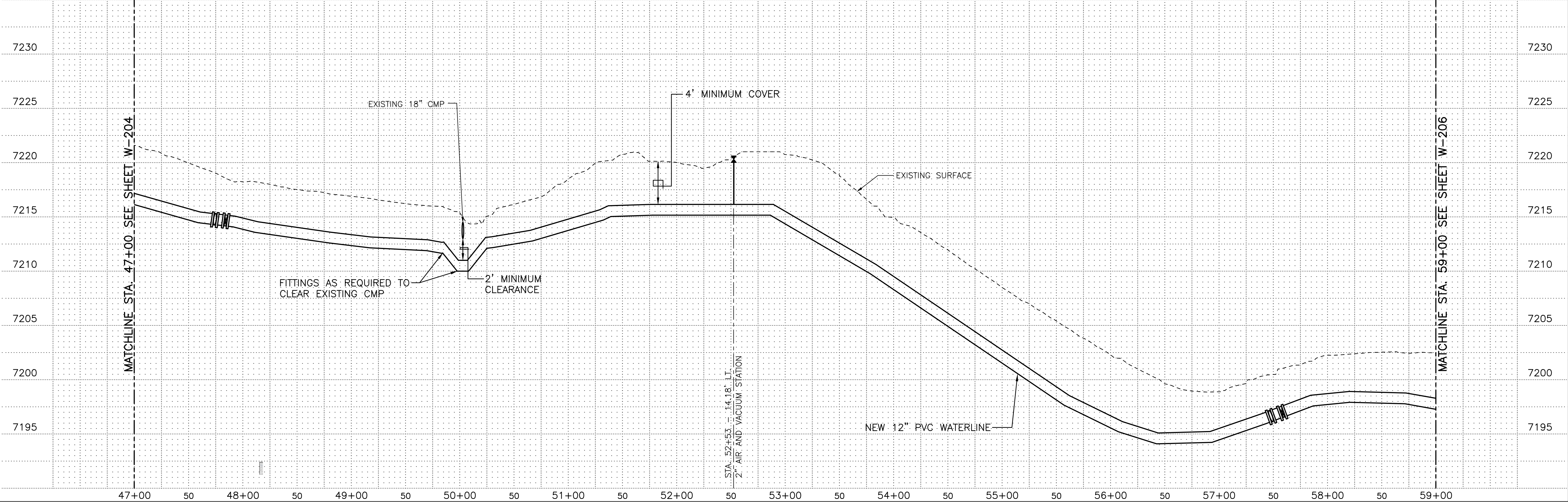
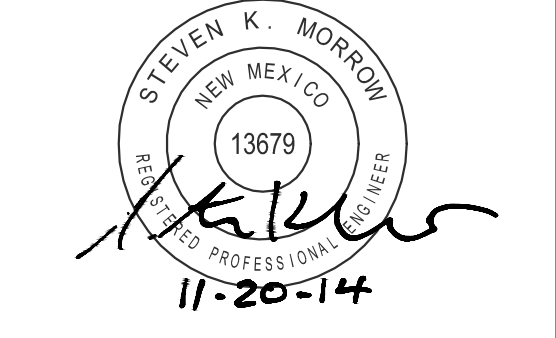
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MOLZENCORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com

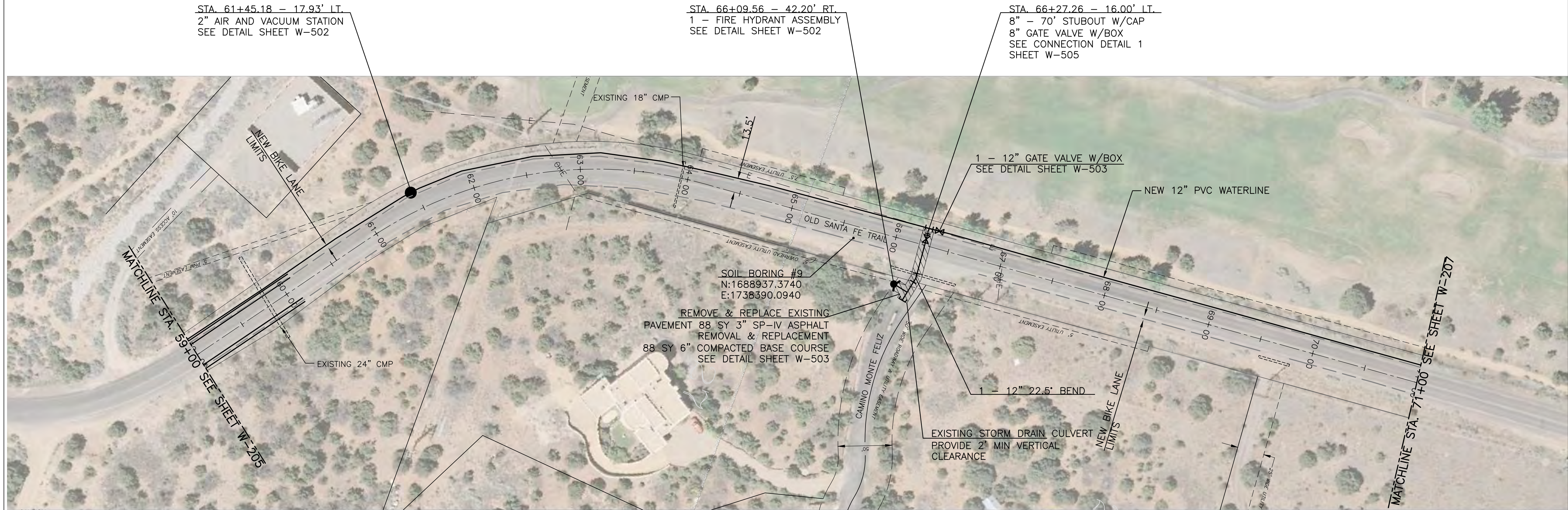


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REVISION		
SYMBOL:	DATE:	BY:

Santa Fe County
SANTA FE COUNTY
PUBLIC WORKS DEPARTMENT
424 NM 599
SANTA FE, NM 87507

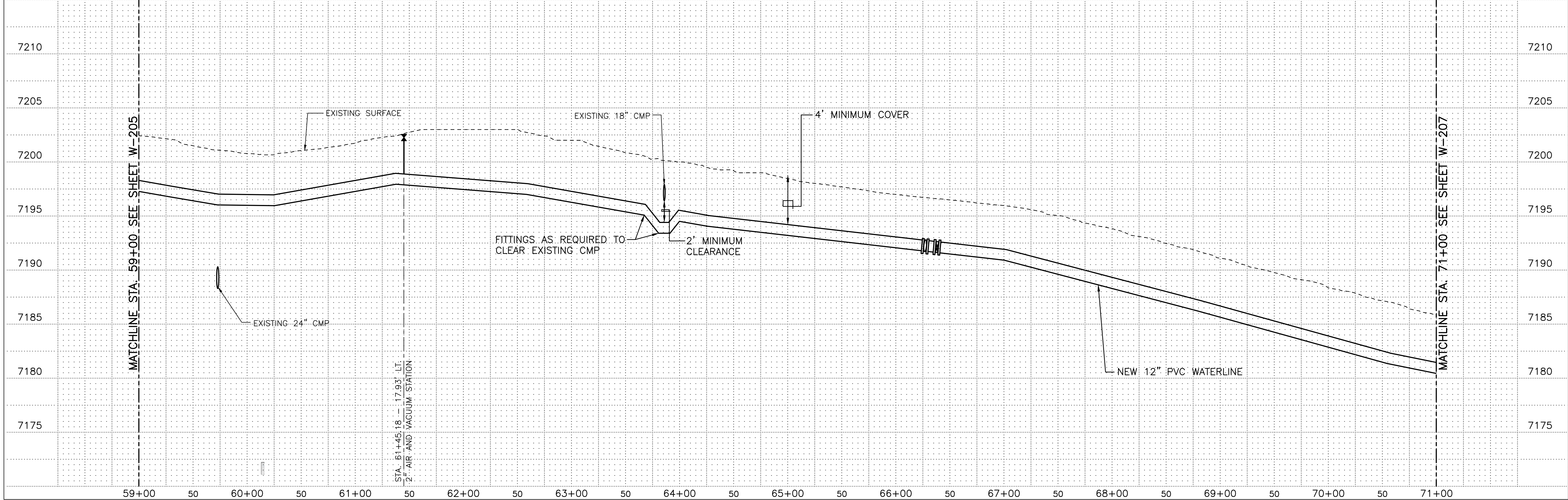
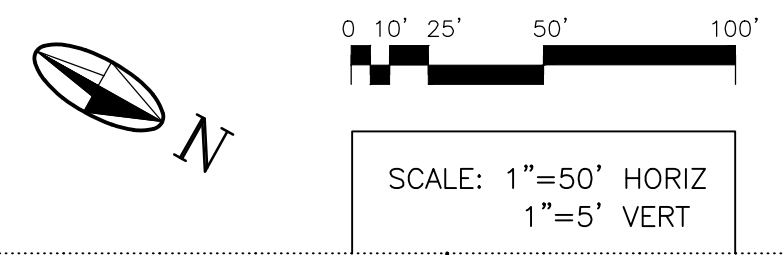
PROJECT NAME:
OLD SANTA FE TRAIL
ROAD IMPROVEMENTS
AND
WATERLINE TL2N
OLD SANTA FE TRAIL WATERLINE PLAN
& PROFILE STA.47+00 TO STA.59+00
APPROVED: R.GEORGE REVIEWED: SM
DATE: NOV., 2014 SHEET:
DRAWN BY: J.MARTINEZ W-205



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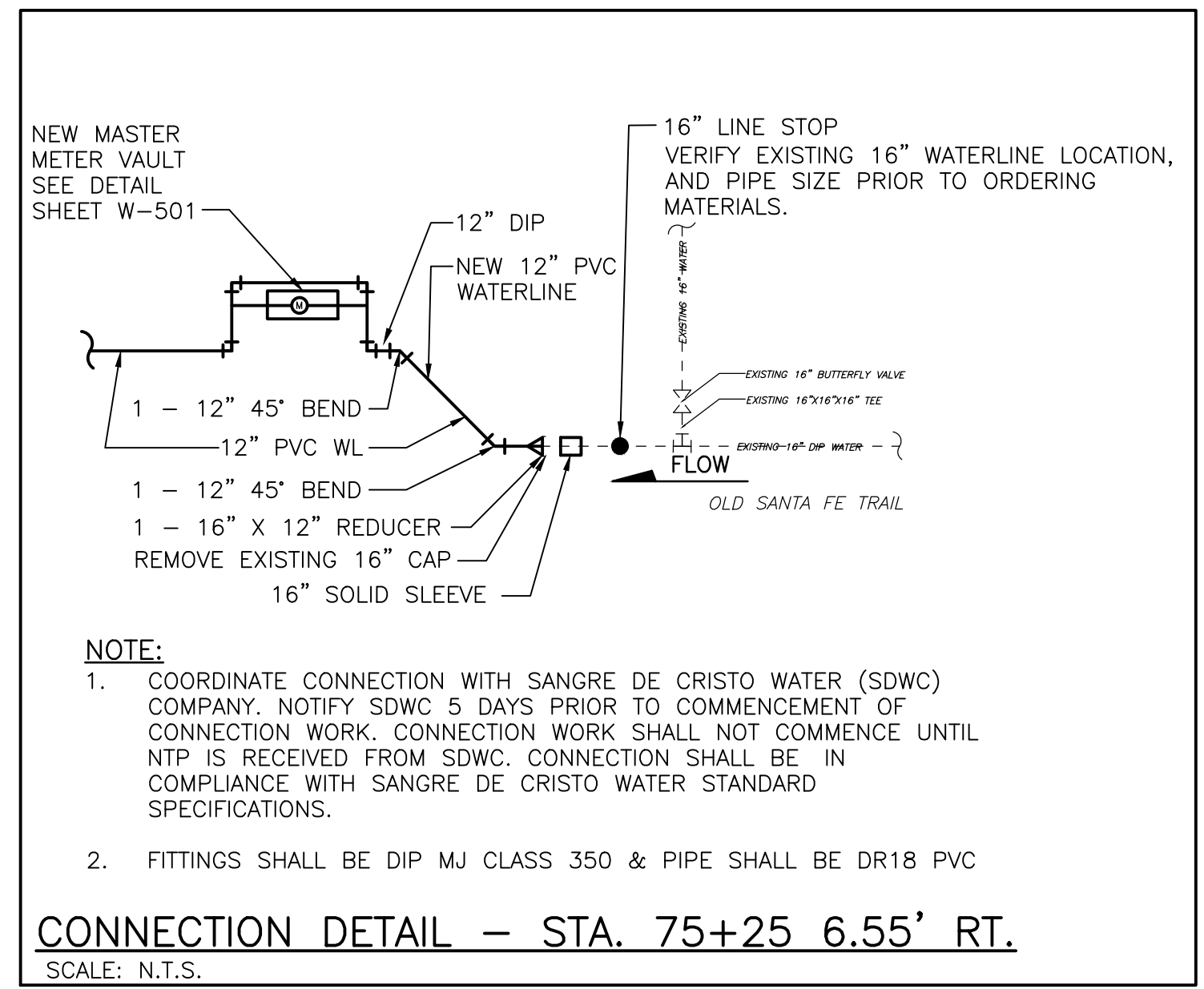
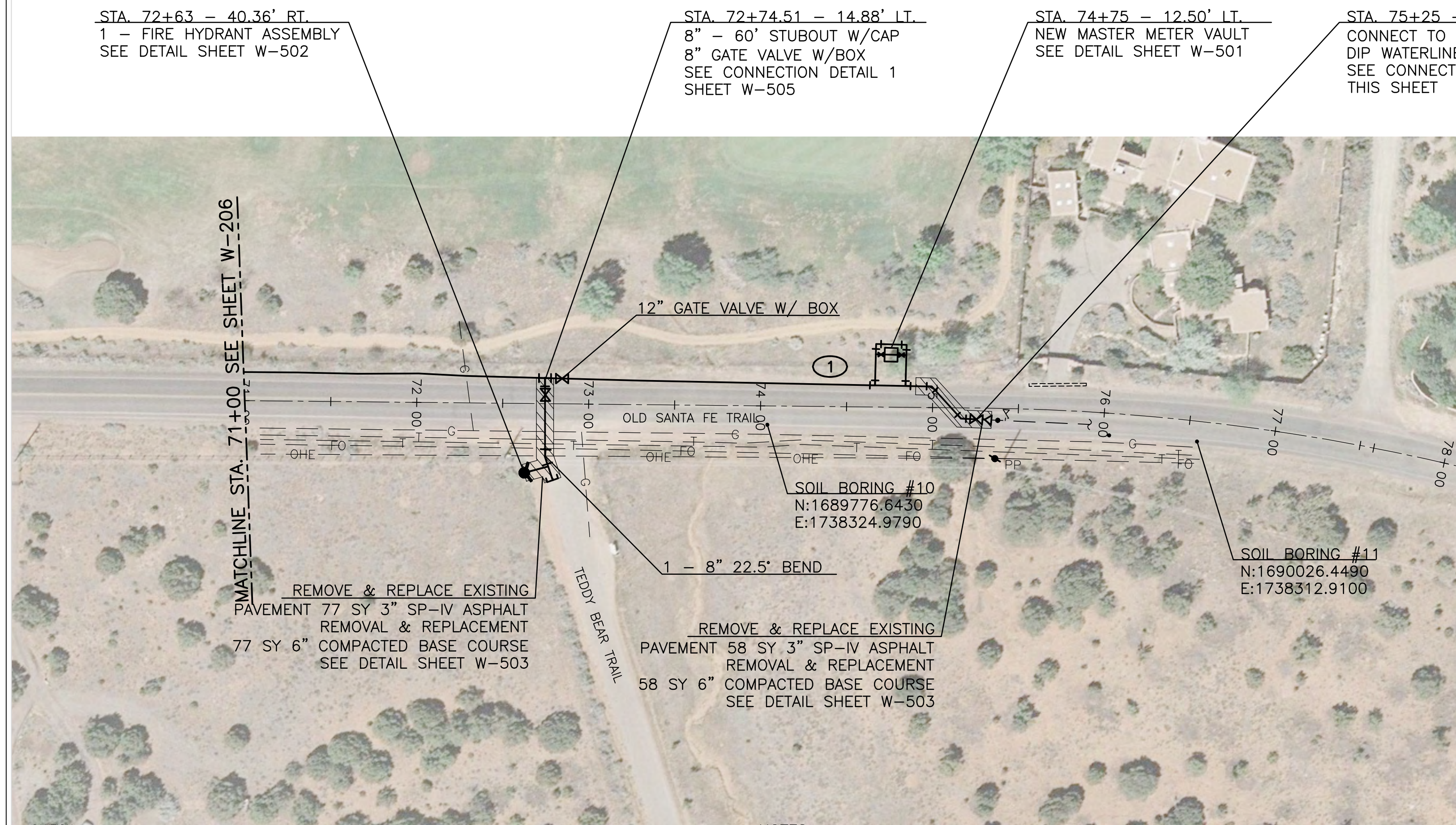


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SYMBOL:	DATE:	BY:



PROJECT NAME:
 OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N
OLD SANTA FE TRAIL WATERLINE PLAN & PROFILE STA.59+00 TO STA.71+00
APPROVED: R.GEORGE **REVIEWED:** SM
DATE: NOV., 2014 **SHEET:**
DRAWN BY: J.MARTINEZ **W-206**



- NOTE:**
- COORDINATE CONNECTION WITH SANGRE DE CRISTO WATER (SDWC) COMPANY. NOTIFY SDWC 5 DAYS PRIOR TO COMMENCEMENT OF CONNECTION WORK. CONNECTION WORK SHALL NOT COMMENCE UNTIL NTP IS RECEIVED FROM SDWC. CONNECTION SHALL BE IN COMPLIANCE WITH SANGRE DE CRISTO WATER STANDARD SPECIFICATIONS.
 - FITTINGS SHALL BE DIP MJ CLASS 350 & PIPE SHALL BE DR18 PVC

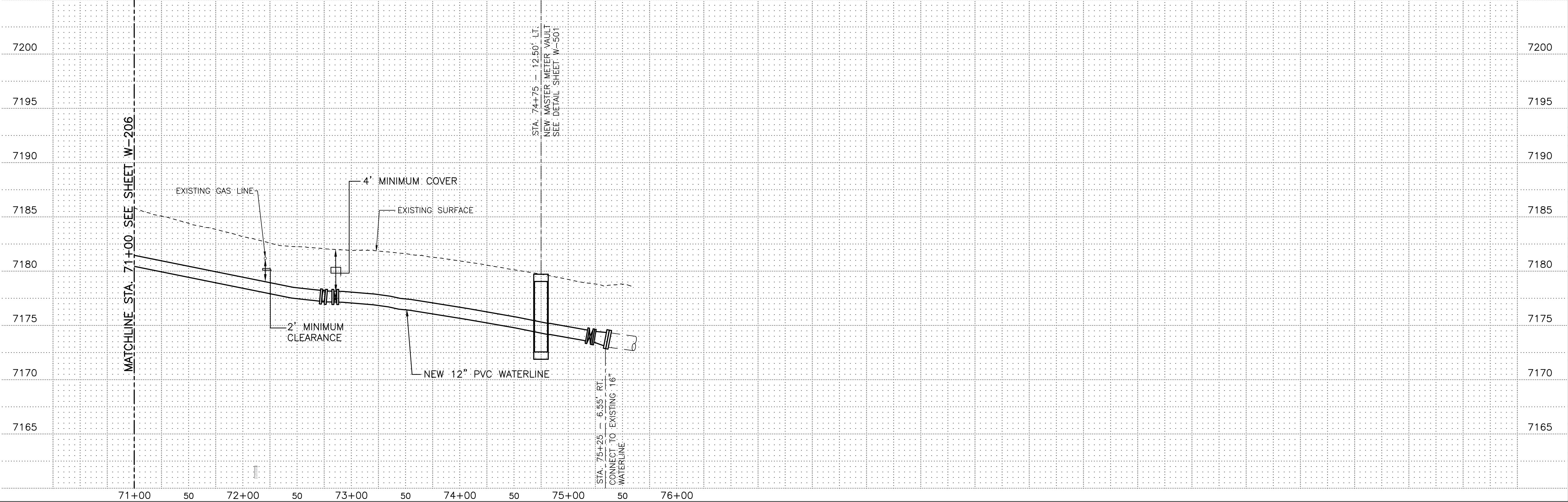
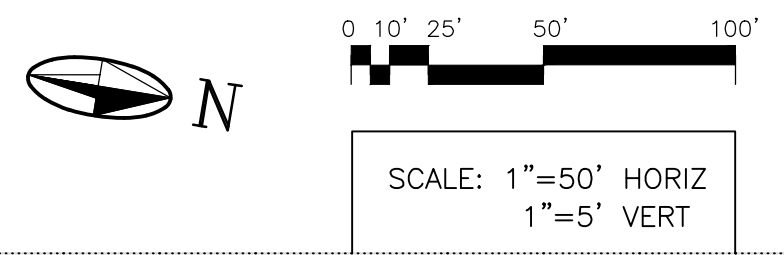
CONNECTION DETAIL - STA. 75+25 6.55' RT.
 SCALE: N.T.S.

- ① CONTRACTOR SHALL COORDINATE WITH PROJECT ENGINEER TO MAINTAIN EXISTING DRAINAGE PATTERNS IN THIS AREA. ASPHALT BERM SHALL BE REPLACED WHEN WATERLINE INSTALLATION IS COMPLETED.

CAUTION:
 NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE SHOWN IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

NOTES:

- RESTRAIN ALL VALVES AND FITTINGS WITH JOINT RESTRAINT DEVICES. SEE JOINT RESTRAINT REQUIREMENTS SHEET W-505.
- CONTROL POINTS SHOWN HEREIN ARE SPECIFIC TO THIS PROJECT AND MAY NOT TRANSLATE TO ANY PUBLISHED COORDINATE SYSTEM.
- COVER IS SHOWN AT 4 FT. MINIMUM, DEEPER DEPTHS OF COVER MAY BE REQUIRED IN SOME LOCATIONS TO MAINTAIN POSITIVE SLOPE TO AIR/VACUUM STATIONS AND AT SOME EXISTING UTILITY CROSSINGS. THESE LOCATIONS AND DETAILS WILL BE SHOWN AND NOTED ON THE DRAWINGS.



NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION		
SYMBOL:	DATE:	BY:

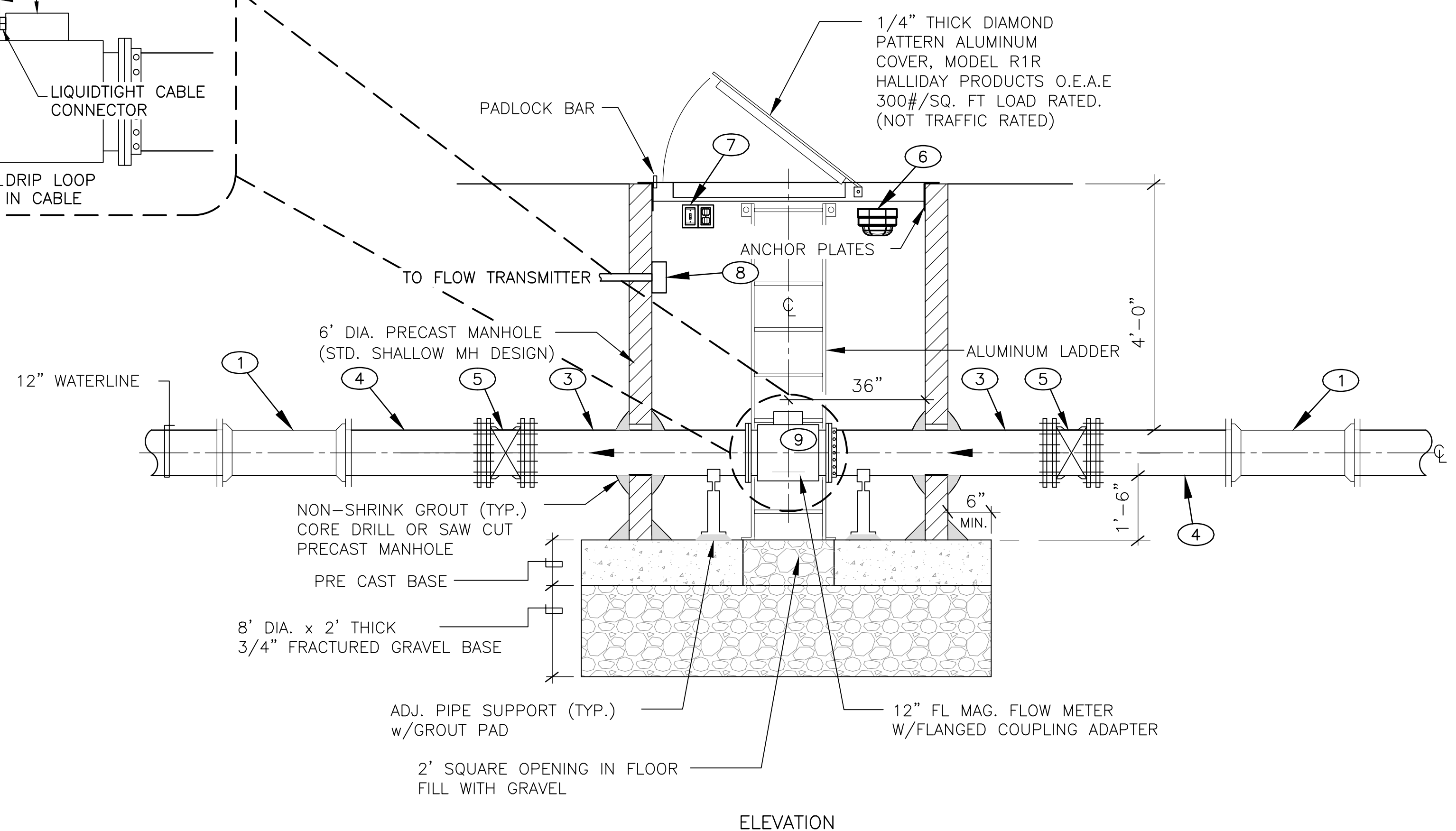
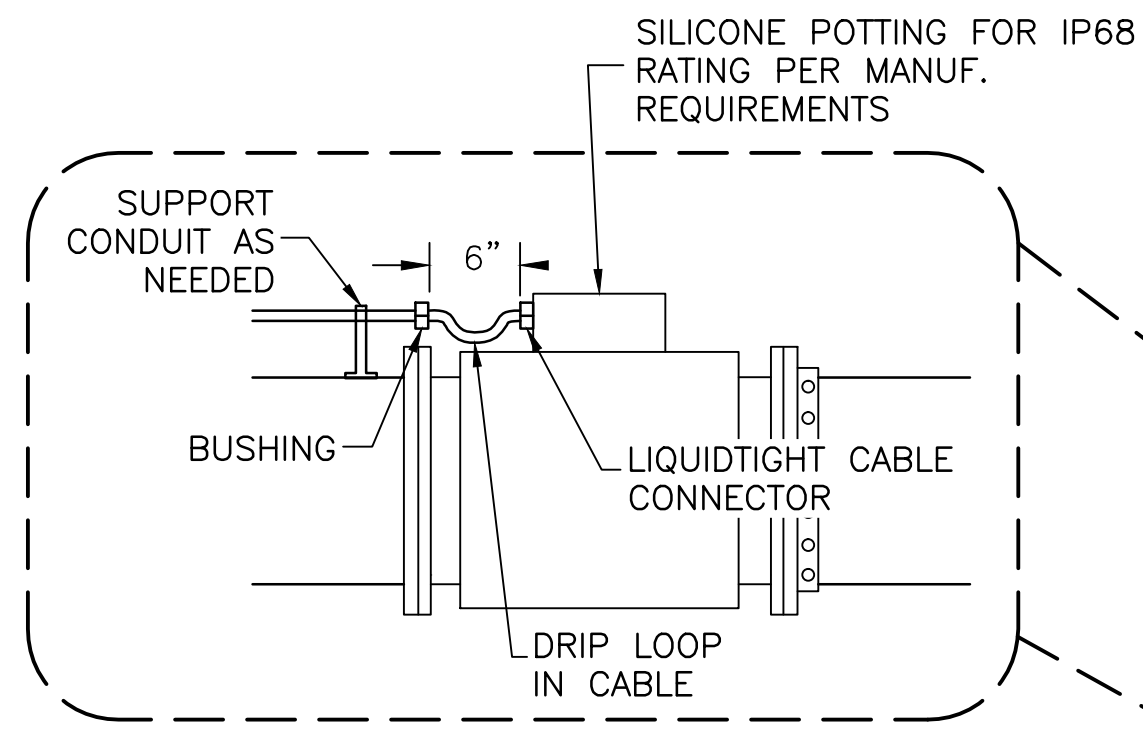
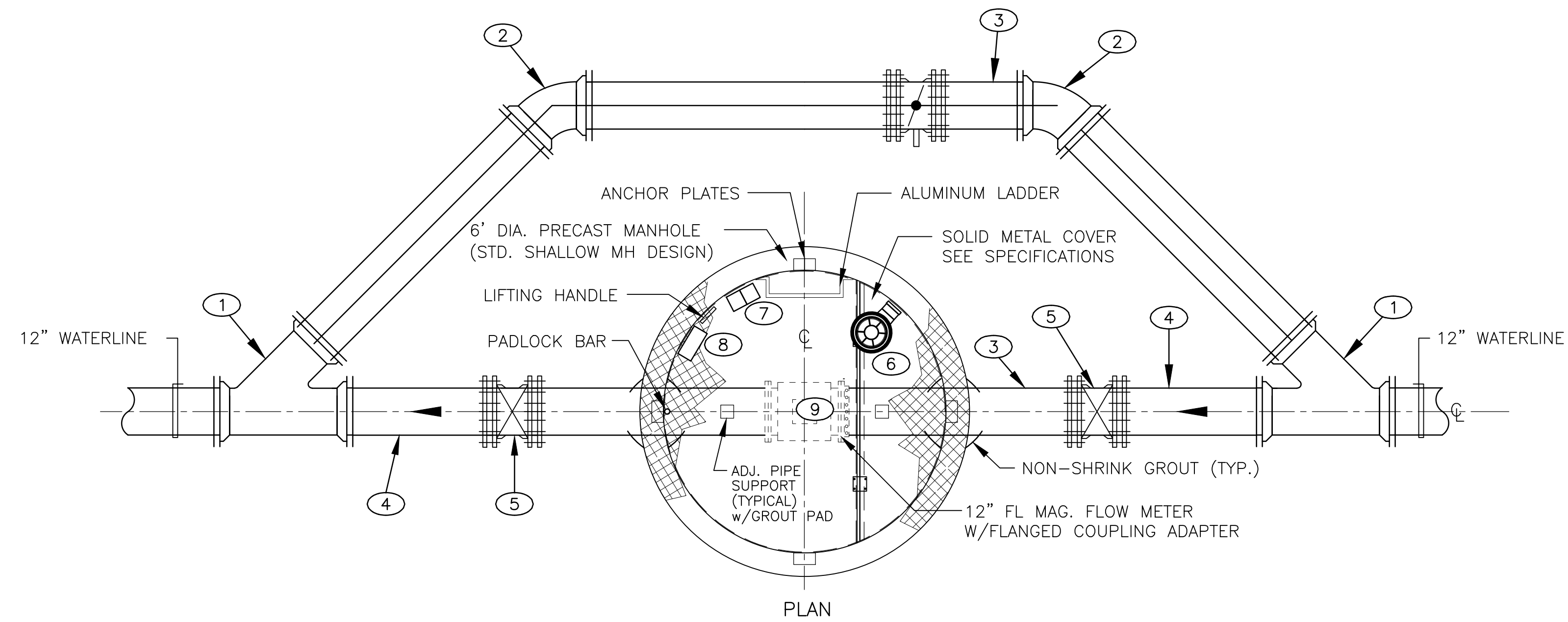


PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

**OLD SANTA FE TRAIL WATERLINE PLAN
 & PROFILE STA. 71+00 TO STA. 75+42.84**

APPROVED: R. GEORGE REVIEWED: SM

DATE: NOV., 2014 SHEET:
 DRAWN BY: J. MARTINEZ W-207



12" FLOW METER ASSEMBLY - DETAIL
 SCALE: 1/2"=1'

KEYED NOTES

- ① 12" MJ WYE
- ② 12"-45° MJ BEND
- ③ 12" SPOOL PEXPE, 24" LONG
- ④ 12" SPOOL PEXPE, 36" LONG
- ⑤ 12" GATE VALVE (MJ ENDS)
- ⑥ PROVIDE 45W, LED TYPE, NEMA 4X, IP66, WET LISTED, LUMINAIRE WITH STAINLESS STEEL WIRE GUARD AND WALL MOUNT OUTLET BOX OPTION FOR MOUNTING ON THE WALL. RIG-A-LITE, SAFJ LED SERIES OR ENGINEER REVIEWED EQUIVALENT.
- ⑦ LIGHT SWITCH AND GFCI RECEPTACLE IN WEATHER PROOF WHILE NOT IN USE ENCLOSURES.
- ⑧ 12"x12", HINGED, NEMA 4 ENCLOSURE. LOCATION SHOWN IS FOR DRAFTING PURPOSES ONLY. INSTALL AS NEEDED FOR ROUTING OF CONDUITS TO THE FLOW TRANSMITTER. SHOW THE EXACT LOCATION ON THE AS-BUILTS.
- ⑨ 12" KROHNE OPTIFLUX 4000 METER WITH IFC 300 WALL-MOUNTED SIGNAL CONVERTER (NO SUBSTITUTION).



NOTICE OF EXTENDED PAYMENT PROVISION:
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 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
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REVISION

SYMBOL:	DATE:	BY:



PROJECT NAME:
**OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N**

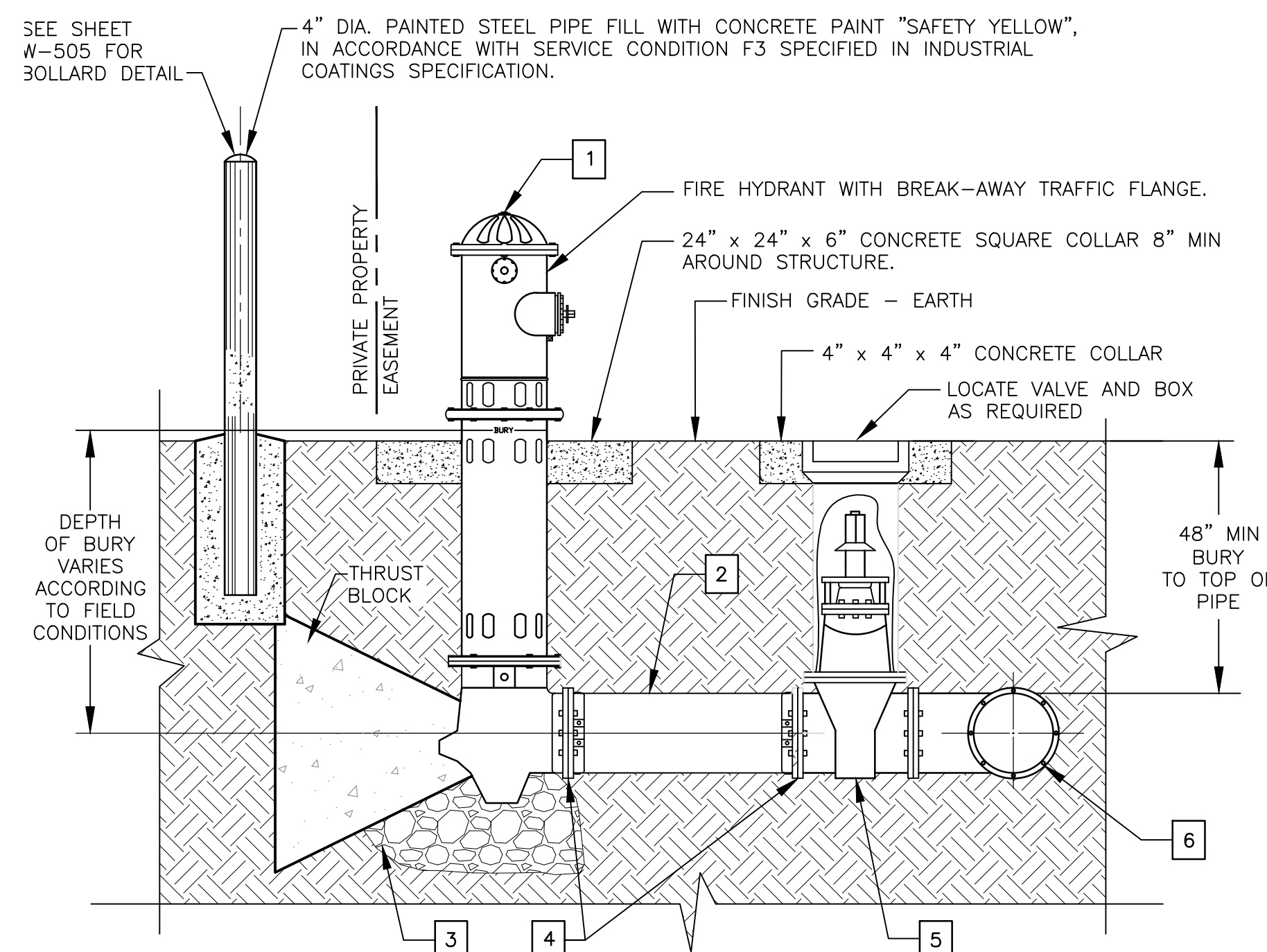
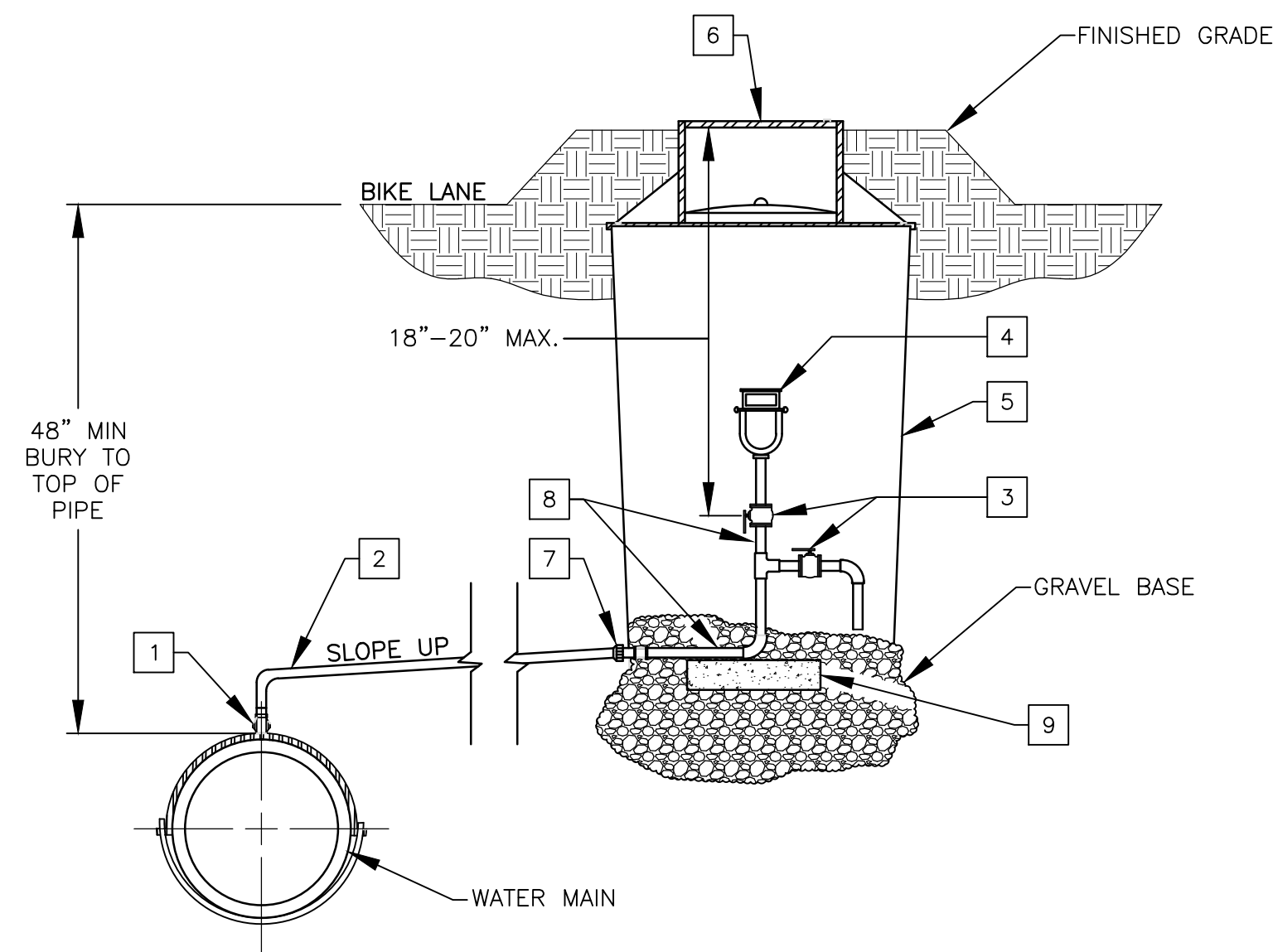
**MASTER METER
 VAULT DETAIL**

APPROVED: R.GEORGE REVIEWED: SM
 DATE: NOV., 2014 SHEET:
 DRAWN BY: J.MARTINEZ W-501

1" AND 2" AIR-VACUUM DETAIL

ITEM	ITEM
1. 1" OR 2" TAPPING SADDLE	6. 20" DIAMETER POLYMER LID, SEE C.16 OF THE SANTA FE COUNTY WATER UTILITIES WATER AND SEWER CONSTRUCTION STANDARDS AND SPECIFICATIONS.
2. 2" CORPORATION COCK : (AWWA TAPERED THREAD)	7. 1" OR 2" ADAPTER COUPLING.
3. 1" OR 2" BRASS BALL VALVE	8. 1" OR 2" THREADED BRASS PIPE.
4. 1" OR 2" NPT COMBINATION AIR AND VACUUM UNIT VALVE AND PRESSURE UNIT: CRESPIAN 201C OR 202C WITH PROTECT-TOP OR APPROVED EQUAL.	9. 12" X 12" X 4" CONCRETE BLOCK.
5. FOLLOW SPECIFICATIONS FOR A 2" SINGLE SERVICE METER BOX AS SHOWN IN THE SANTA FE COUNTY WATER UTILITIES WATER AND SEWER CONSTRUCTION STANDARDS AND SPECIFICATIONS.	

NOTE: SEE APPROVED CONSTRUCTION PLANS FOR SERVICE LOCATION DETAIL FOR PLACEMENT DIMENSIONS AND DIRECTIONS.
 NOTE: DETAILS ON THIS SHEET ARE REFERENCED FROM THE SANTA FE COUNTY WATER UTILITIES WATER AND SEWER CONSTRUCTION STANDARDS AND SPECIFICATIONS. REFER TO PROJECT MANUAL APPENDIX E.



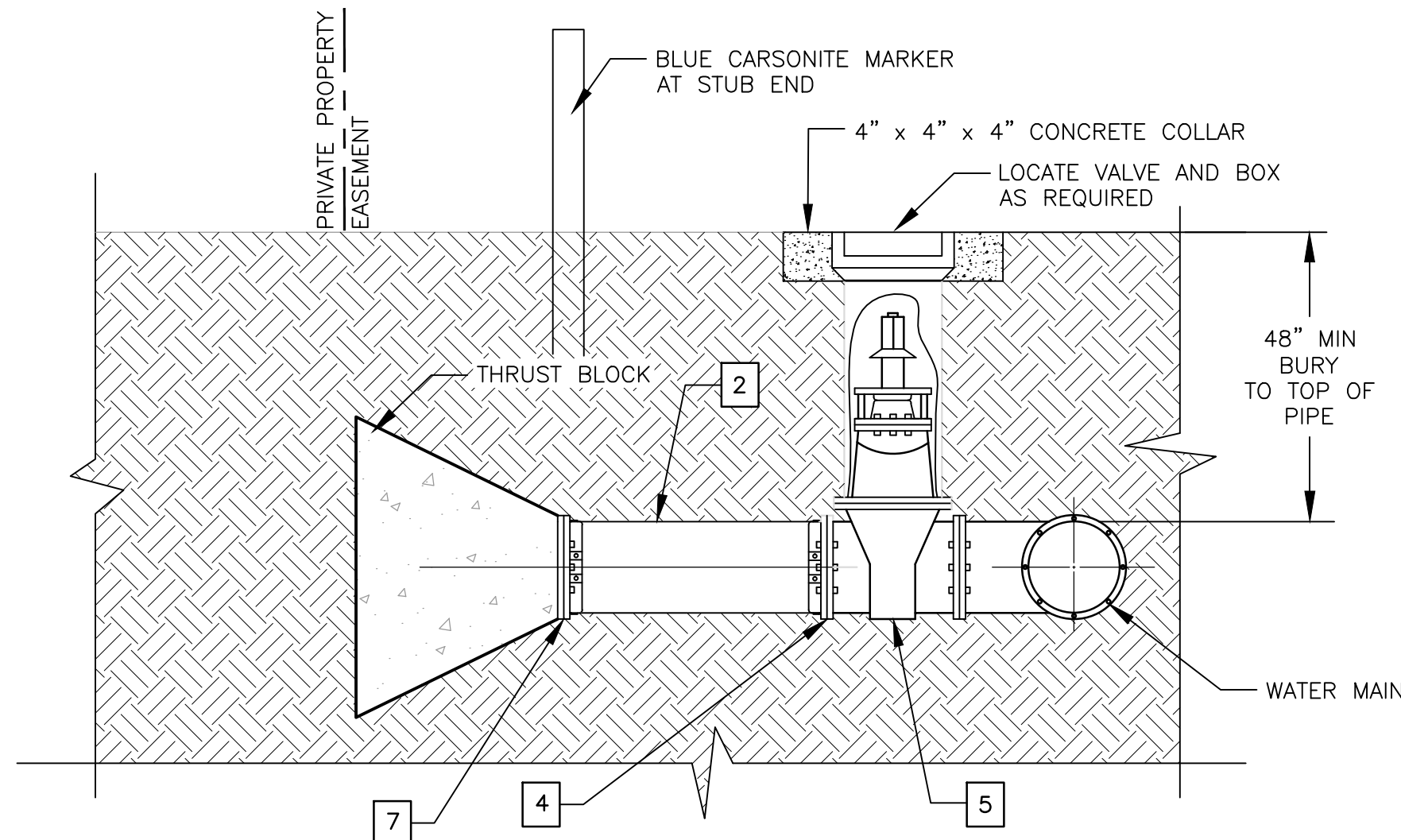
FIRE HYDRANT ASSEMBLY DETAIL - ADDITIVE ALTERNATE #2
 SCALE: NONE

KEYED NOTES:

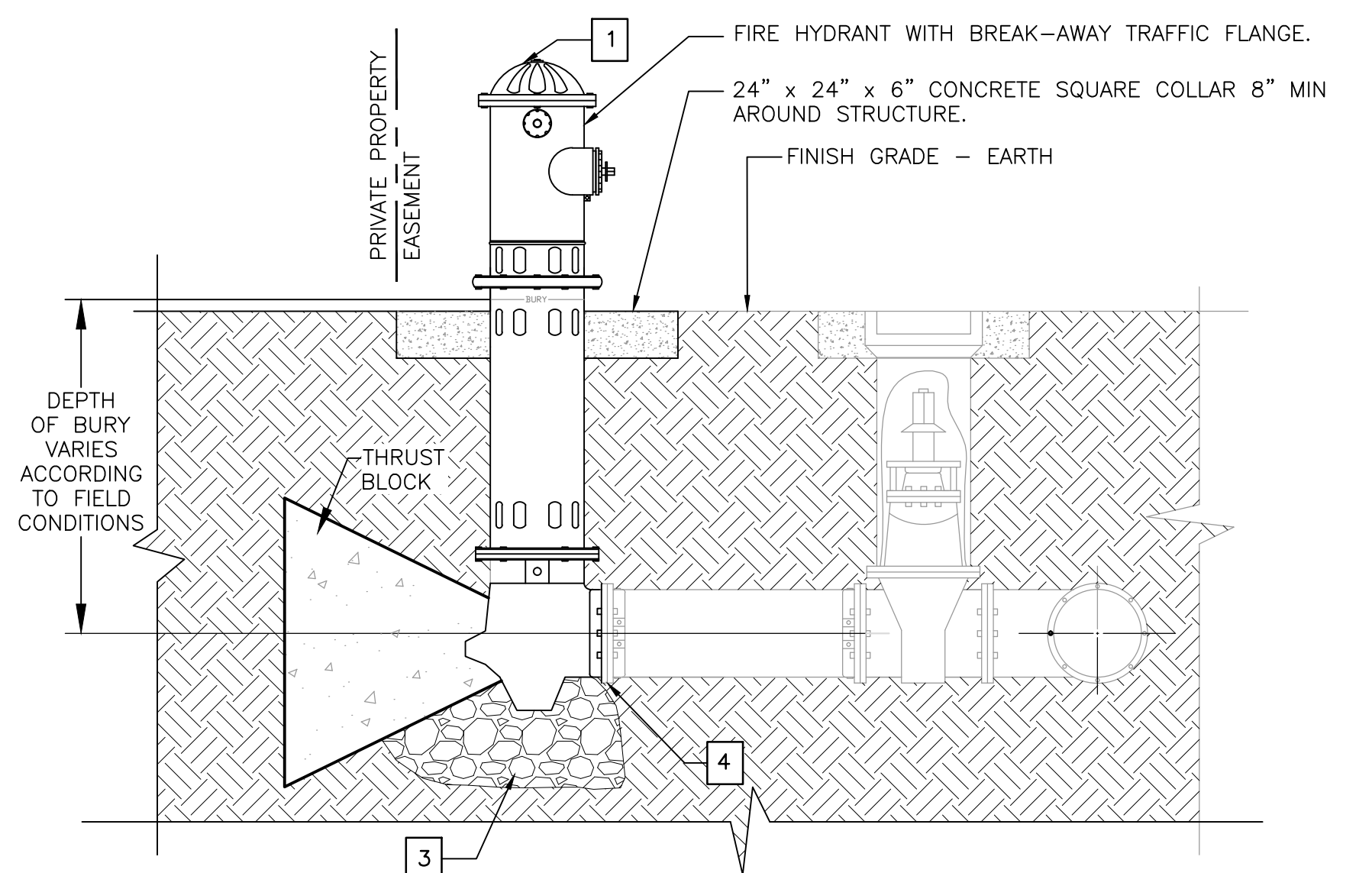
- 1 FIRE HYDRANT
- 2 6" PIPE
- 3 REMOVE THRUST BLOCK, 1/2 CUBIC YARD 3/8" GRAVEL DRAIN W/10 MIL. PLASTIC SHEET
- 4 6" MJ RETAINER AND 6" HARNESS (IF REQUIRED) RESTRAINED JOINTS
- 5 6" MJ x FL GATE VALVE AND BOX
- 6 TEE: MJ RUN W/6" FLANGE OUTLET
- 7 6" RESTRAINED CAP

CONSTRUCTION NOTES:

- A. FIRE HYDRANT SHALL NOT BE INSTALLED NEAR ANY STRUCTURES AND SHALL HAVE A MINIMUM 30" CLEAR SPACE IN ALL DIRECTIONS.
- B. HYDRANT TO BE SET PLUMB AND AT PROPER ELEVATION (ELEVATION PROVIDED BY DEVELOPER) HYDRANTS INSTALLED AS PART OF A NEW DEVELOPMENT/EXTENSION SHALL BE A STANDARD 5' BURY HYDRANT AND SHALL BE SET TO FINISHED GRADE WITHOUT THE USE OF HYDRANT EXTENSIONS (IF AN ADJUSTMENT IS REQUIRED, RE-LAY THE WATER MAIN AND FIRE HYDRANT LEG OR INSTALL RESTRAINED OFFSET AS DIRECTED BY SFCU).
- C. WEEP HOLE MUST HAVE 1/4" PLUG REMOVED AND BE FREE DRAINING INTO GRAVEL DRAIN. USE FULLY RESTRAINED JOINTS FROM THE FIRE HYDRANT TO THE FLANGED CONNECTION ON VALVE DEPTH.
- D. FIRE HYDRANT SHALL BE PAINTED AND REFLECTIVE NUMBERS INSTALLED AFTER INSTALLATION
- E. REFER TO RESTRAINED JOINT TABLE ON SHEET W-505
- F. RESTRAINED CAP AND PIPE SHALL BE WRAPPED IN PLASTIC BOND BREAKER BEFORE INSTALLATION OF THRUST BLOCK



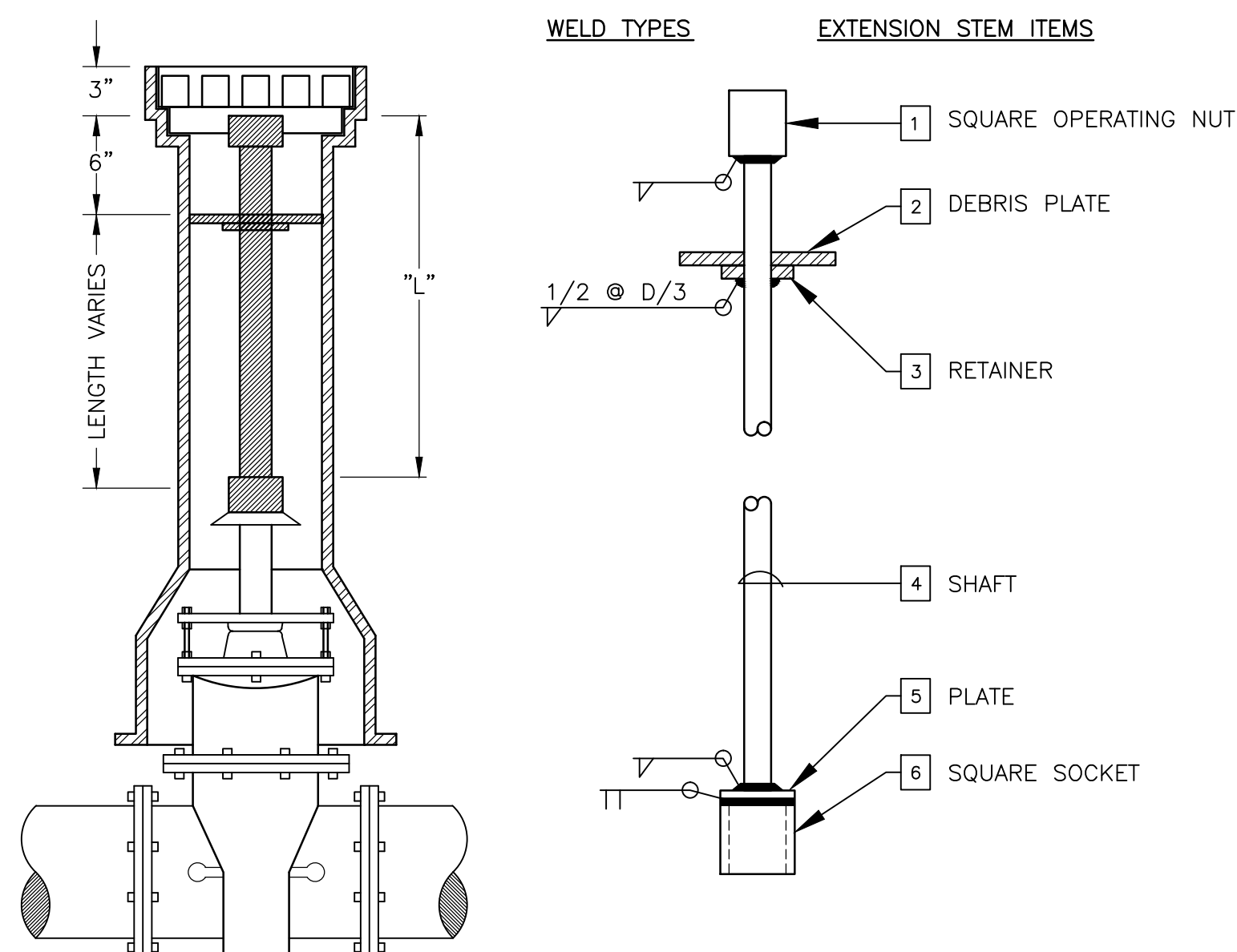
FIRE HYDRANT - STUB
 SCALE: NONE



ADDITIVE ALTERNATE #1 FIRE HYDRANT INSTALLATION DETAIL
 SCALE: NONE

2" SINGLE BODY WATER COMBINATION AIR VALVE STATION - SECTION

SCALE: NONE



- 1. 2" x 2" x 2" BAR
- 2. 5" DIA. PLATE 3/16" WITH 1-3/8" DIA. HOLE
- 3. 1-3/8" DIA. HEAVY WASHER
- 4. 1" DIA. SCHEDULE 40 STEEL PIPE (L < 6")
- 5. 1-1/4" DIA. SCHEDULE 40 STEEL PIPE (L > 6")
- 6. 2-1/2" x 2-1/2" x 1/4" PLATE
- 7. 2-1/2" x 2-1/2" x 1/4" TUBING

VALVE STEM EXTENSION DETAIL

SCALE: NONE
 NOTE: ALL STEEL TO BE SAW OR MACHINE CUT.

NOTE: DETAILS ON THIS SHEET ARE REFERENCED FROM THE SANTA FE COUNTY WATER UTILITIES WATER AND SEWER CONSTRUCTION STANDARDS AND SPECIFICATIONS.

MOLZENCORBIN

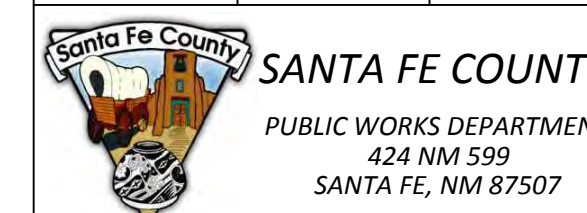
2701 Miles Road SE
 Albuquerque, New Mexico 87106
 505 242 5700 office
 505 242 0673 fax
 MolzenCorbin.com



NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:



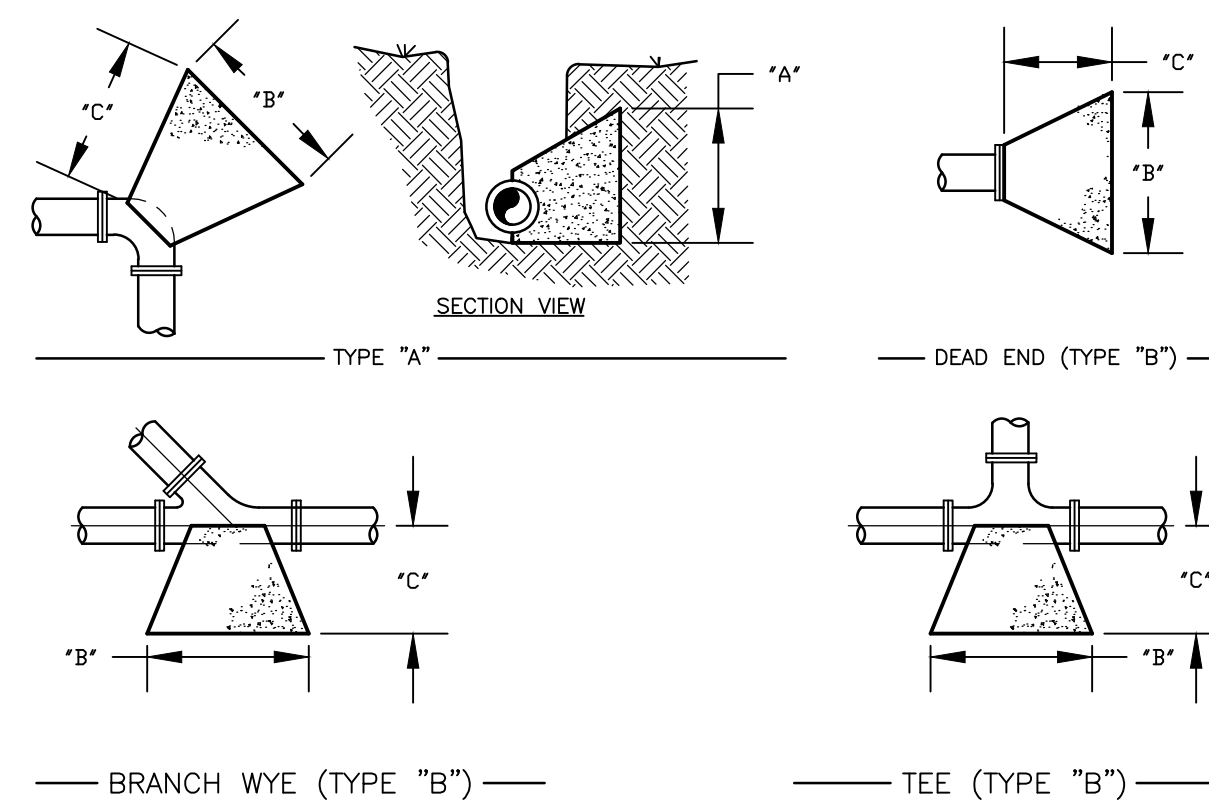
PROJECT NAME:
 OLD SANTA FE TRAIL
 ROAD IMPROVEMENTS
 AND
 WATERLINE TL2N

AIR AND VACUUM
 STATION DETAIL

APPROVED: R.GEORGE REVIEWED: SM

DATE: NOV., 2014 SHEET:
 DRAWN BY: J.MARTINEZ W-502

USE MECHANICALLY RESTRAINED FITTINGS & PIPE JOINTS FOR THRUST RESTRAINT UNLESS CONCRETE BLOCKING IS SPECIFICALLY CALLED FOR BY SDOW



THRUST BLOCK SIZING TABLE

PIPE DIAMETER	TYPE "A" BENDS												TYPE "B" FITTINGS						
	11-1/4'				22-1/2'				45'				90'				A	B	C
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
4"	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
6"	12	12	12	12	12	12	12	18	12	18	24	12	24	30	18	18	30	12	
8"	12	12	12	12	18	12	18	24	12	24	30	18	24	30	18	18	30	12	
10"	12	12	12	12	24	12	20	30	12	24	42	18	24	36	18				
12"	12	18	12	18	24	12	24	36	18	32	48	24	24	42	18				
14"	12	24	12	18	36	18	30	42	24	36	60	24	30	48	24				
16"	18	24	24	24	36	24	30	40	24	42	66	24	36	54	24				
18"	18	30	24	24	40	24	36	54	24	48	72	24	42	60	24				
20"	20	30	24	30	42	24	42	60	24	54	80	24	42	76	24				
24"	24	36	24	36	54	24	48	72	24	66	96	30	54	80	30				

- TABLE BASED ON 200 P.S.I. (130 P.S.I. WORKING PRESSURE) AND 3000 LB/FT² ALLOWABLE SOIL BEARING PRESSURE.
- USE TEE OUTLET DIAMETER TO DETERMINE THRUST BLOCK SIZING. USE BRANCH DIAMETER ON WYE TO DETERMINE THRUST BLOCK SIZING.
- THE "C" DIMENSION LISTED IS A MINIMUM DIMENSION. CONCRETE BLOCKING MUST BE POURED TO THE UNDISTURBED SOIL OF THE TRENCH WALL.

CONCRETE THRUST BLOCKING DETAIL

SCALE: NONE

VALVE BOX INSTALLATION:

NEW PAVING

VALVE BOXES SHALL BE INSTALLED AND RAISED TO GRADE IN THE FOLLOWING MANNER FOR NEW PAVING.

- VALVE BOX SHALL BE INSTALLED OVER VALVE DURING MAIN INSTALLATION. TOP OF VALVE BOX SHALL BE LEFT BELOW THE TOP OF SUB GRADE UNTIL VALVE IS READY TO BE RAISED TO FINAL GRADE.
- WHEN THE VALVE BOX IS READY TO BE RAISED, AN OCTAGON SHAPE SHALL BE CUT-OUT AROUND THE VALVE BOX FROM THE FIRST PAVING LIFT (AS SHOWN IN DETAIL). THE VALVE BOX SHALL BE RAISED TO THE FINISHED STREET GRADE; THE SOIL AROUND THE VALVE BOX SHALL BE THOROUGHLY COMPACTED IN ACCORDANCE WITH SFC STANDARDS; THE CONCRETE COLLAR (CONSISTING OF 3,000 PSI CONCRETE AND #4 REBAR) SHALL BE POURED FLUSH WITH TOP OF THE FIRST PAVING COURSE (INCLUDING HAND RODDING CONCRETE TO REMOVE VOIDS) AND THE VALVE BOX SHALL BE PROTECTED FROM VEHICULAR TRAFFIC FOR 24 HOURS.

EXISTING PAVING

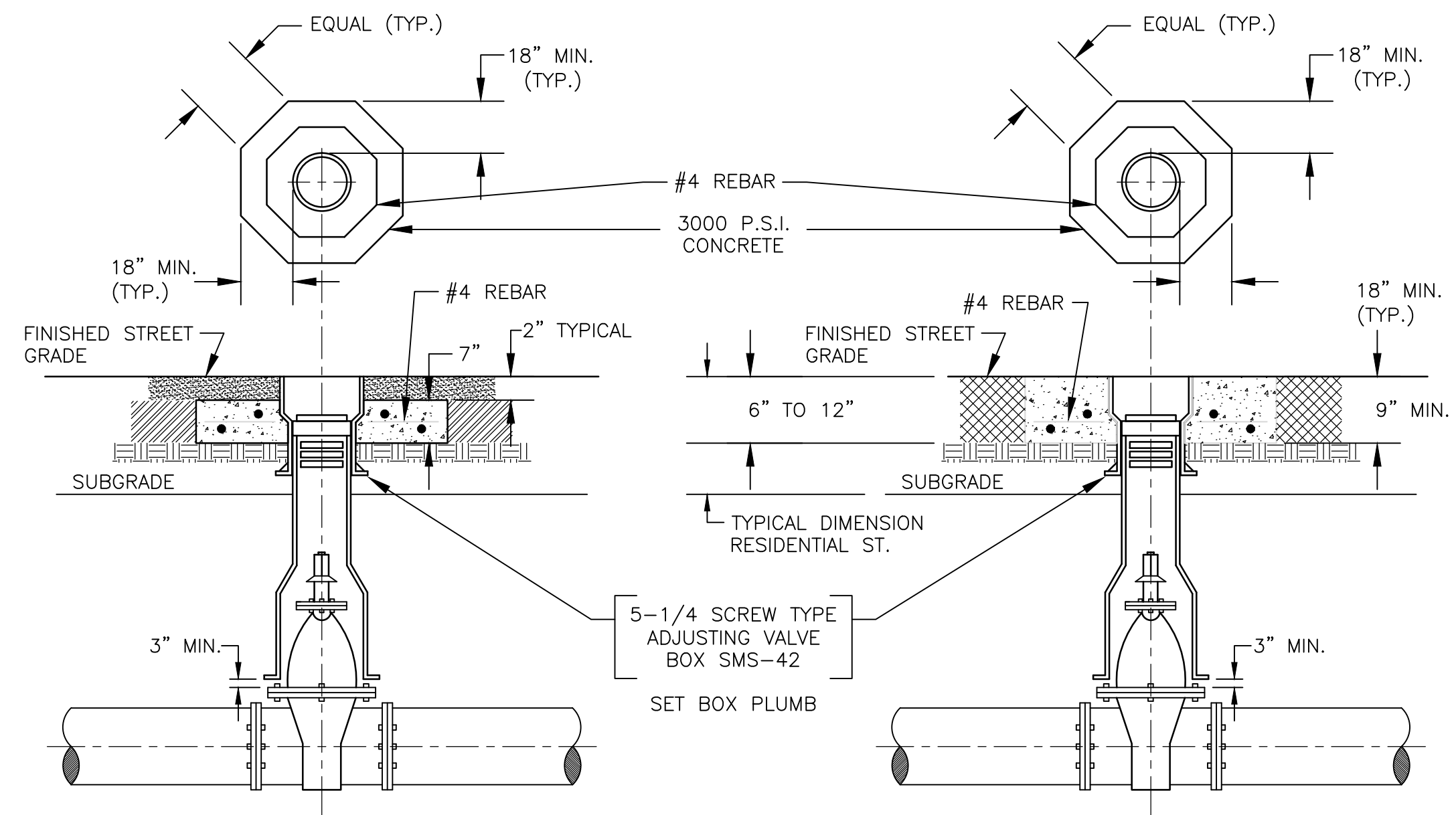
INSTALL VALVE BOXES PER "NEW PAVING" (ABOVE) WITH THE CONCRETE COLLAR POURED FLUSH WITH THE FINISHED GRADE OF THE EXISTING PAVING WITH A SMOOTH TROWELED FINISH. NOTE: IF EXCAVATION OVER 42" SQUARE IS REQUIRED TO ADJUST VALVE BOX TO GRADE, "NEW PAVING" CONCRETE COLLAR PROCEDURES SHALL BE FOLLOWED AS WELL AS ANY NECESSARY PAVING SHALL BE COMPLETED.

UNPAVED AREAS

IN DIRT OR GRAVEL STREETS, TOP OF VALVE BOX AND CONCRETE COLLAR SHALL BE LEFT 6" BELOW THE STREET GRADE. IN OTHER UNPAVED AREAS, VALVE BOX AND CONCRETE COLLAR SHALL BE LEFT 2" ABOVE FINISHED GRADE OR AS DIRECTED BY SFC UTILITIES.

PROTECTION OF VALVE BOXES:

VALVE BOXES SHALL BE PROTECTED FROM DAMAGE, LOSS AND SHALL NOT BE FILLED WITH DIRT AND DEBRIS. VALVES MUST BE ACCESSIBLE DURING CONSTRUCTION WITH MINIMUM EXCAVATION. VALVES IDENTIFIED BY SFC UTILITIES AS KEY SHUT OFF VALVES SHALL REMAIN AT GRADE AND PROTECTED DURING ALL PHASES OF CONSTRUCTION.

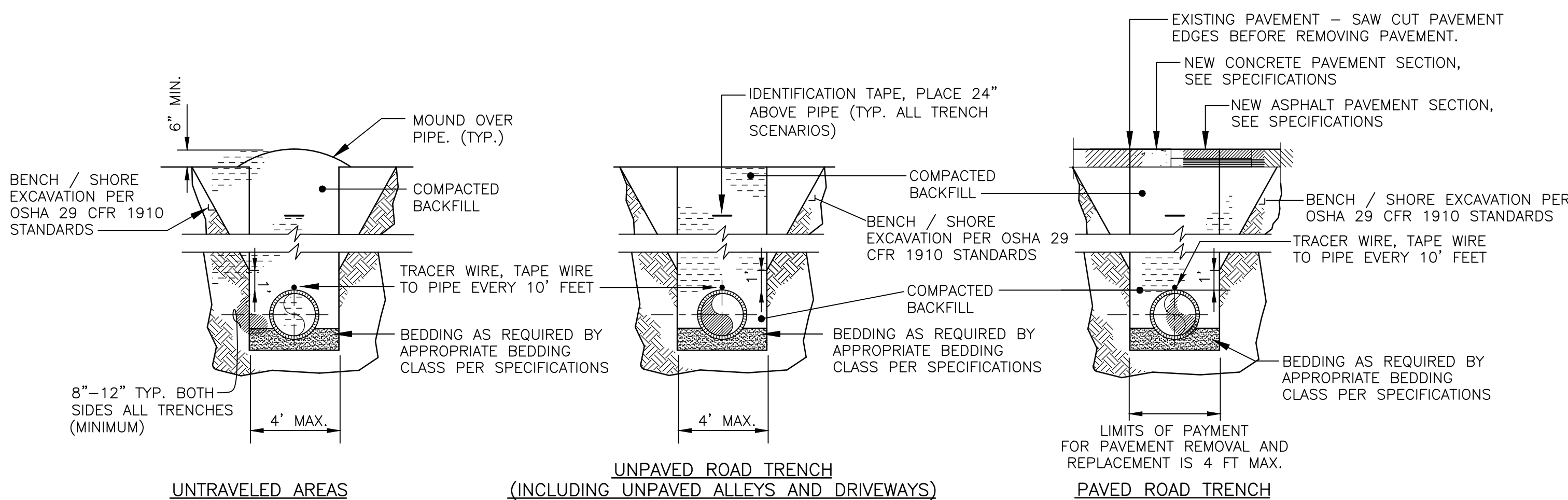


NEW PAVING

SCALE: NONE

EXISTING PAVING

SCALE: NONE

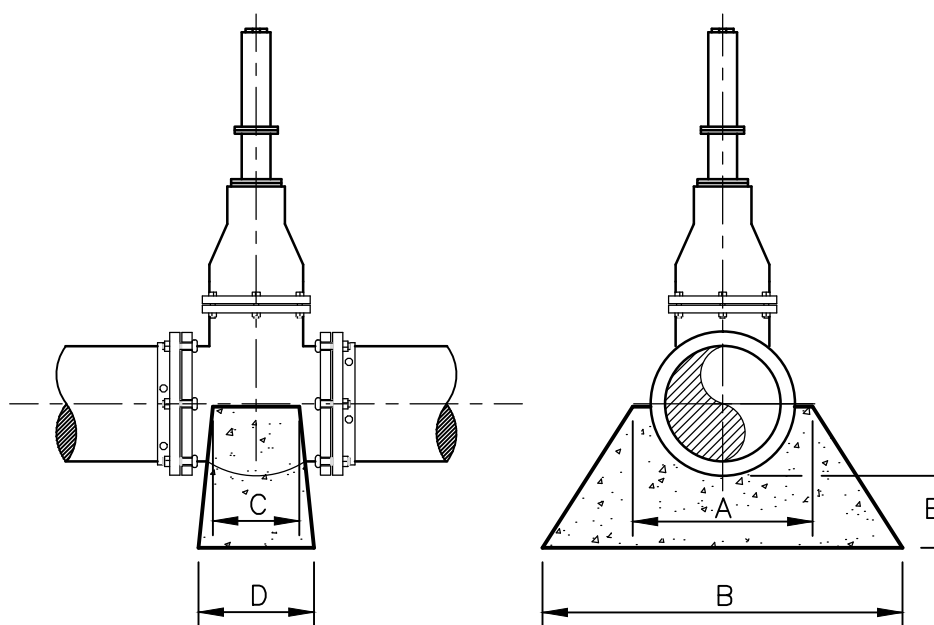


GENERAL NOTES FOR TRENCHING:

- PIPE BEDDING REQUIREMENTS, SEE SPECIFICATIONS
- PIPE IDENTIFICATION TAPE REQUIREMENTS, SEE SPECIFICATIONS
- TRENCH BACKFILL COMPACTION REQUIREMENTS, SEE SPECIFICATIONS

TRENCH COMPACTION DETAILS

SCALE: NONE

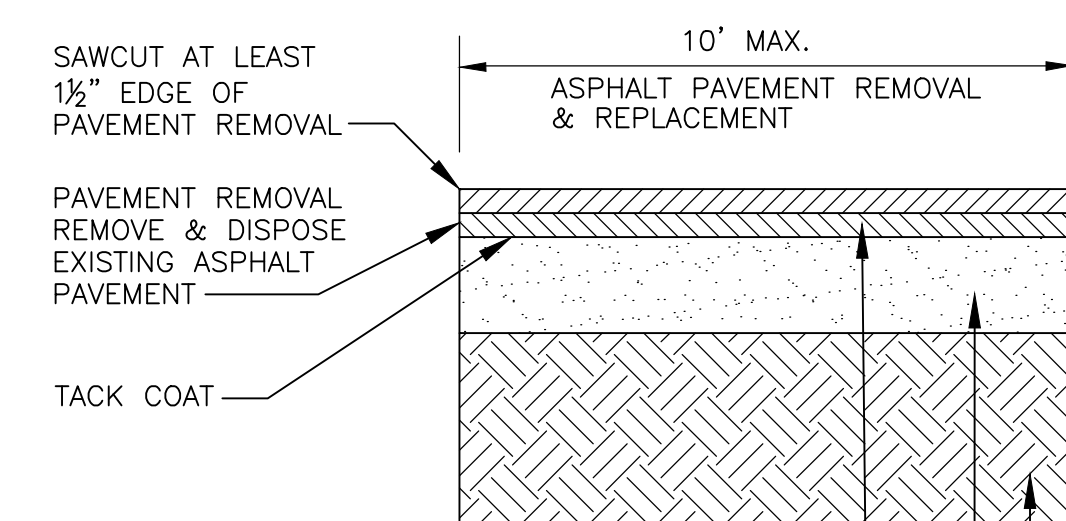


CONCRETE VALVE SUPPORT TABLE

VALVE SIZE	A	B	C	D	E
4"	10"	20"	4"	6"	6" MIN.
6"	12"	22"	4"	8"	6" MIN.
8"	12"	22"	4"	8"	6" MIN.
10"	14"	24"	4"	8"	6" MIN.
12"	16"	24"	4"	8"	6" MIN.
14"	20"	28"	6"	12"	6" MIN.
16"	24"	36"	6"	12"	6" MIN.

CONCRETE VALVE SUPPORT DETAILS

SCALE: NONE



- 3" SP-IV ASPHALT PAVEMENT (1ST LIFT 1 1/2", 2ND 1 1/2")
- 6" BASE COURSE COMPACTED TO AT LEAST 95% MIN. DENSITY, AASHTO T-180
- 12" 12" SUBGRADE COMPACTED TO AT LEAST 95% MIN. DENSITY AASHTO T-180

NOTE:
 1. APPLY TACK COAT TO SAWCUT EDGE PRIOR TO PAVING ASPHALT LIFT

ASPHALT PAVEMENT SECTION

SCALE: N.T.S.



NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:



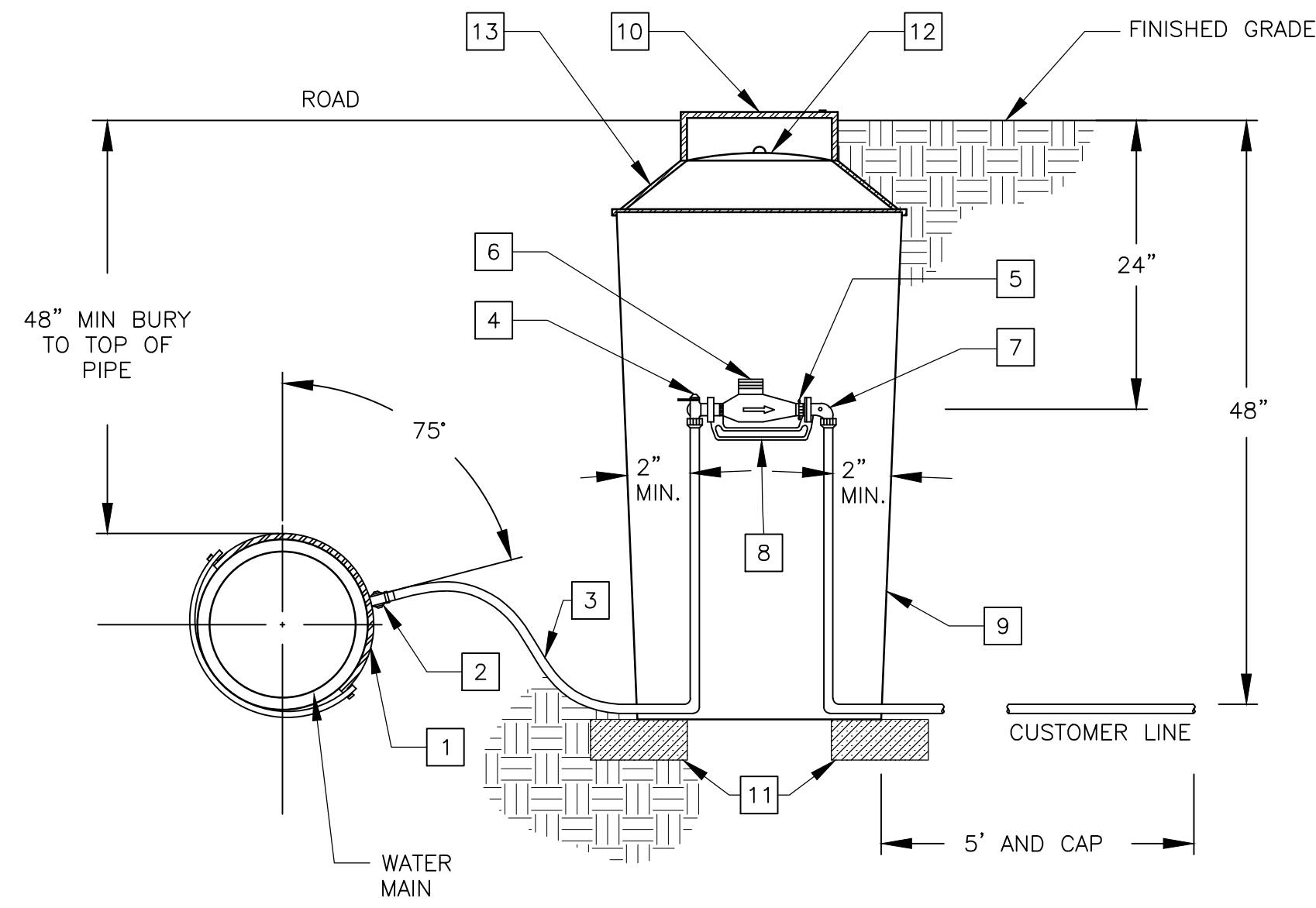
PROJECT NAME:
 OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

STANDARD WATERLINE DETAILS

APPROVED: R.GEORGE REVIEWED: SM

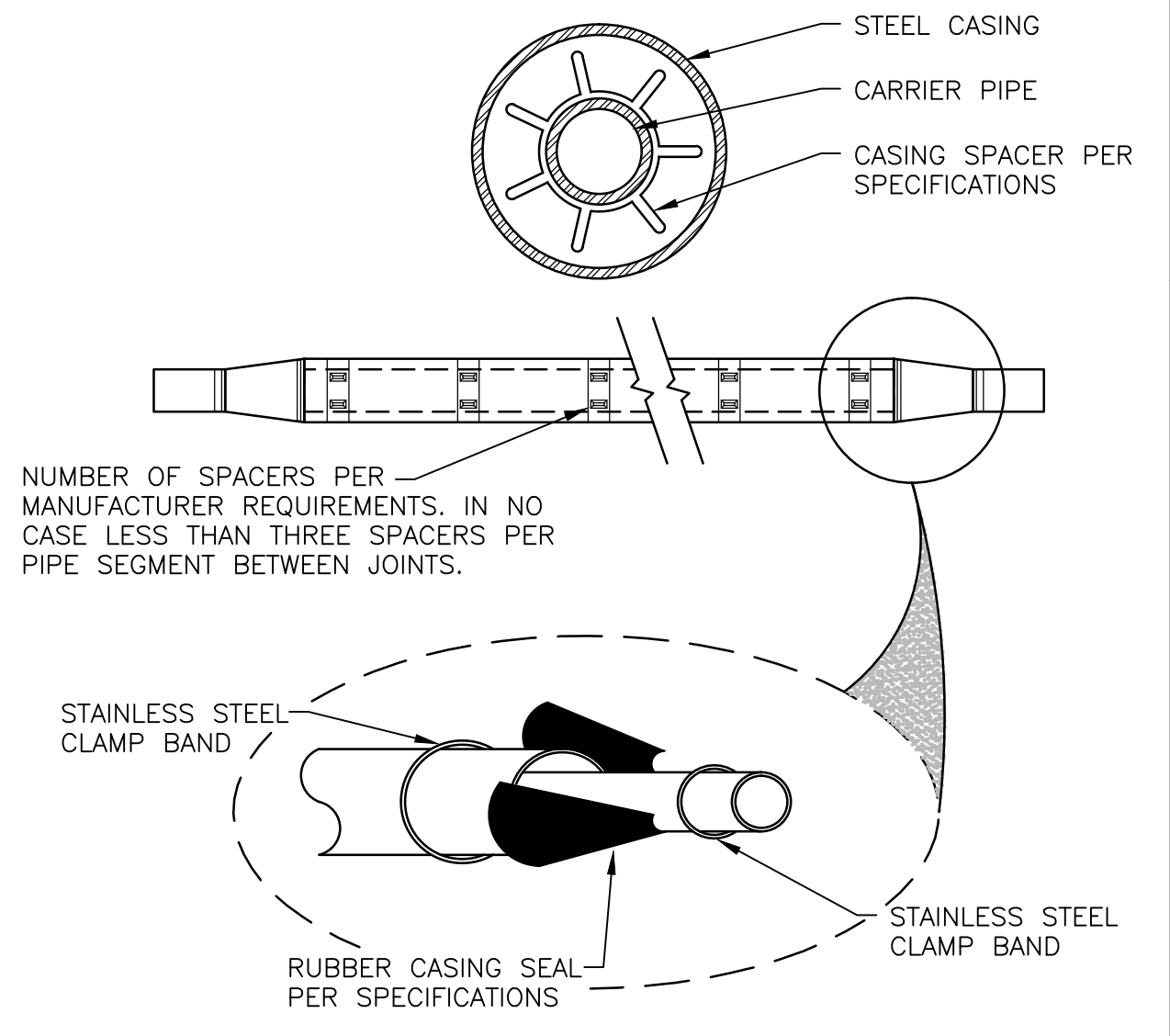
DATE: NOV., 2014 SHEET:

DRAWN BY: J.MARTINEZ W-503



CASING SIZE VERSUS CARRIER SIZE

CARRIER PIPE (NOMINAL SIZE)	STEEL CASING DIAMTER AND WALL THICKNESS
6"	14" SCHEDULE 30
8"	16" SCHEDULE 30
10"	18" STANDARD CLASS
12"	22" STANDARD CLASS
14"	26" SCHEDULE 20
16"	28" SCHEDULE 20
20"	30" 0.375" WALL
24"	36" 0.375" WALL
3/4"-2" CU TUBING	4" SCHEDULE 40 PVC
3/4"-2" CU TUBING	4" SCHEDULE 40 STEEL



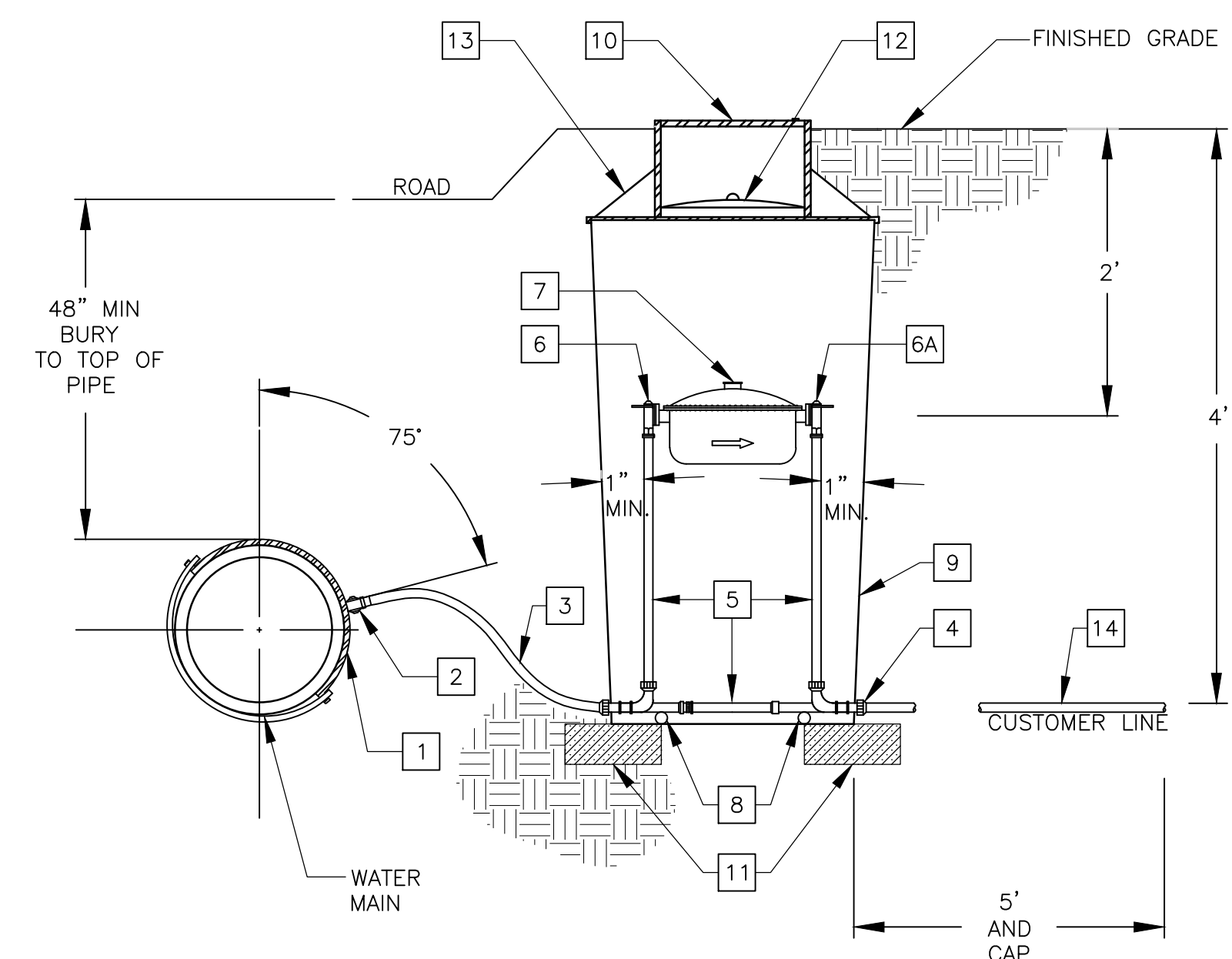
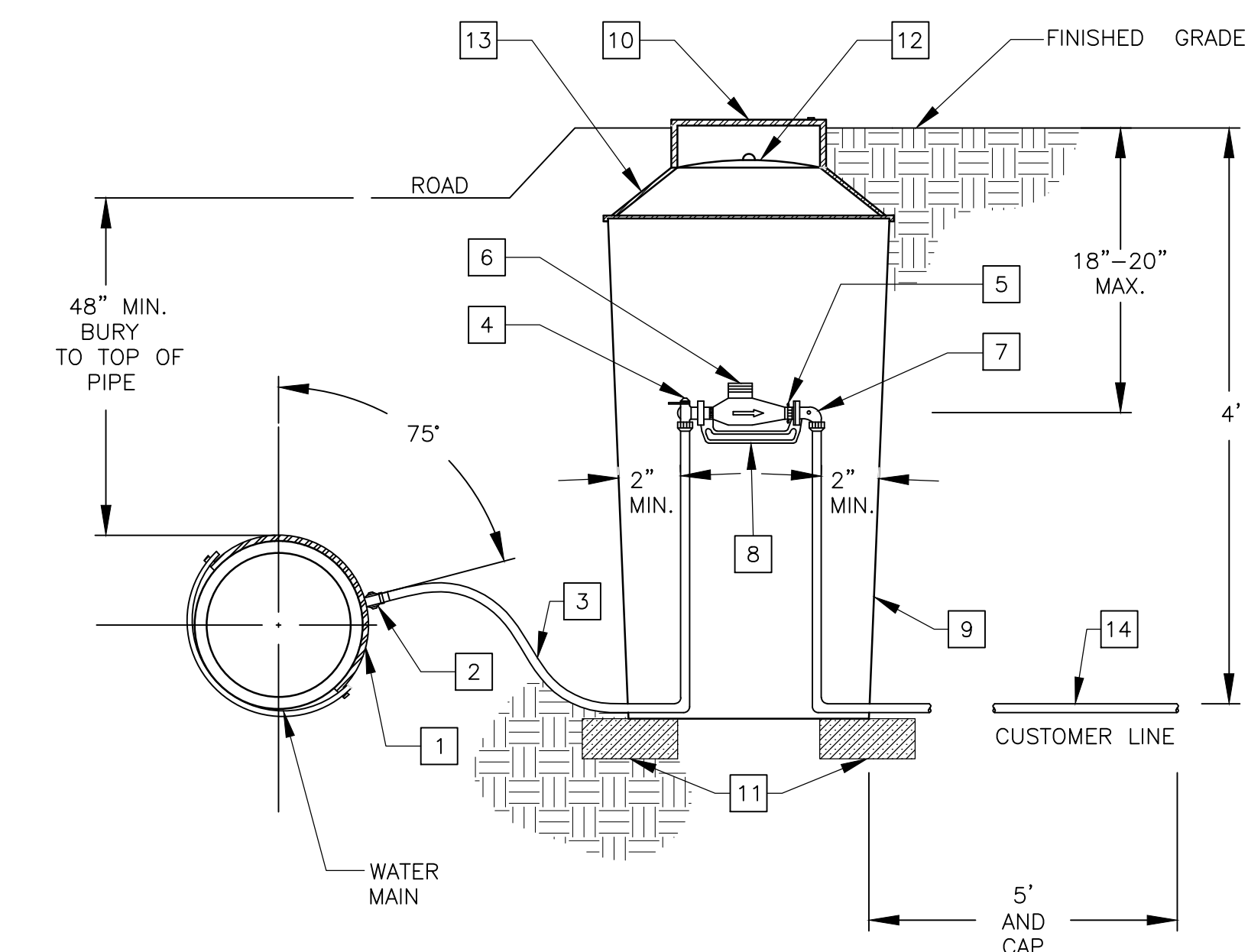
5/8" SINGLE SERVICE DETAIL

ITEM	ITEM
1. 3/4" SERVICE SADDLE : SEE C.23	7. 3/4" ANGLE CARTRIDGE W/DUAL CHECK VALVE: SEE C.19
2. 3/4" CORPORATION STOP : SEE C.22 (A.W.W.A. TAPERED THREAD)	8. 3/4" CAST IRON METER YOKE : SEE C.17
3. 3/4" COPPER TUBING (TYPE "K"): SEE C.13	9. 20" DIA. X 36" METER BOX : SEE C.15
4. 3/4" ANGLE VALVE : SEE C.18	10. POLYMER LID (12-5/16" DIA.) : SEE C.16
5. 3/4" EXPANSION CONNECTION : SEE C.20 (5/8" X 3/4" M.T.R. CONNECTION)	11. BLOCKS - USE AS DIRECTED BY SFC UTILITIES
6. 5/8" X 3/4" NEPTUNE T-10 WATER METER W/E-CODER R900/ REGISTER AND RADIO TRANSMITTER (FURNISHED AND INSTALLED BY SFC UTILITIES)	12. INNER ALUMINUM FROST LID : SEE C.16
	13. DOUBLE LID COVER : SEE C.16 (20" DIA. X 11-1/2" DIA. INNER OPENING)

NOTE: SEE APPROVED CONSTRUCTION PLANS FOR SERVICE LOCATION DETAIL FOR PLACEMENT DIMENSIONS AND DIRECTIONS.
NOTE: DETAILS ON THIS SHEET ARE REFERENCED FROM THE SANTA FE COUNTY WATER UTILITIES WATER AND SEWER CONSTRUCTION STANDARDS AND SPECIFICATIONS. REFER TO PROJECT MANUAL, APPENDIX E.

5/8" SINGLE SERVICE DETAIL
NOT TO SCALE

PIPE CASING DETAIL FOR WATER OR SEWER PROJCTETS
NOT TO SCALE



1" SINGLE SERVICE DETAIL

ITEM	ITEM
1. 1" SERVICE SADDLE : SEE C.23	8. 1" CAST IRON METER YOKE: SEE C.17
2. 1" CORPORATION STOP : SEE C.22 (AWWA TAPERED THREAD)	9. 24" DIA. X 36" METER BOX: SEE C.15
3. 1" COPPER TUBING (TYPE "K"): SEE C.13	10. POLYMER LID (12-5/16" DIA.): SEE C.16
4. 1" ANGLE VALVE: SEE C.18	11. BLOCKS - USE AS DIRECTED BY SFC UTILITIES
5. 1" EXPANSION CONNECTION: SEE C.20	12. INNER ALUMINUM FROST LID: SEE C.16
6. 1" NEPTUNE T-10 WATER METER W/E-CODER R900 I REGISTER AND RADIO TRANSMITTER (FURNISHED AND INSTALLED BY SFC UTILITIES)	13. DOUBLE LID COVER : SEE C.16 (20" DIA. X 11-1/2" DIA. INNER OPENING) WITH EXTENSION RING (20" DIA. 24" DIA.)
7. 1" ANGLE CARTRIDGE W/DUAL CHECK VALVE: SEE C.19	14. 1" COPPER TUBING (TYPE "K"): SEE C.13

2" SINGLE SERVICE DETAIL

ITEM	ITEM
1. 2" SERVICE SADDLE : SEE C.23	7. 2" NEPTUNE T-10 WATER METER C/E-CODER R900I REGISTER AND RADIO TRANSMITTER (FURNISHED & INSTALLED BY SFC UTILITIES)
2. 2" CORPORATION STOP : SEE C.22 (AWWA TAPERED THREAD)	8. 1" GALVANIZED PIPE 24" LONG
3. 2" COPPER TUBING (TYPE "K"): SEE C.13	9. 36" DIA. X 36" METER BOX: SEE C.15
4. 2" ADAPTER COUPLING	10. 20" DIA. POLYMER LID: SEE C.16
5. 2" PREFABRICATED METER SETTER (NO BY-PASS): SEE C.21	11. BLOCKS - USE AS DIRECTED BY SFC UTILITIES
6. 2" BALL ANGLE VALVE: SEE C.18	12. INNER METAL FROST LID: SEE C.16
6A. 2" ANGLE CARTRIDGE W/DUAL CHECK VALVE: SEE C.19	13. 36" DIA. X 20" DOUBLE LID COVER: SEE C.16
	14. 1" COPPER TUBING (TYPE "K"): SEE C.13

1" SINGLE SERVICE DETAIL

2" SINGLE SERVICE DETAIL



NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

REVISION

SYMBOL:	DATE:	BY:



SANTA FE COUNTY
PUBLIC WORKS DEPARTMENT
424 NM 599
SANTA FE, NM 87507

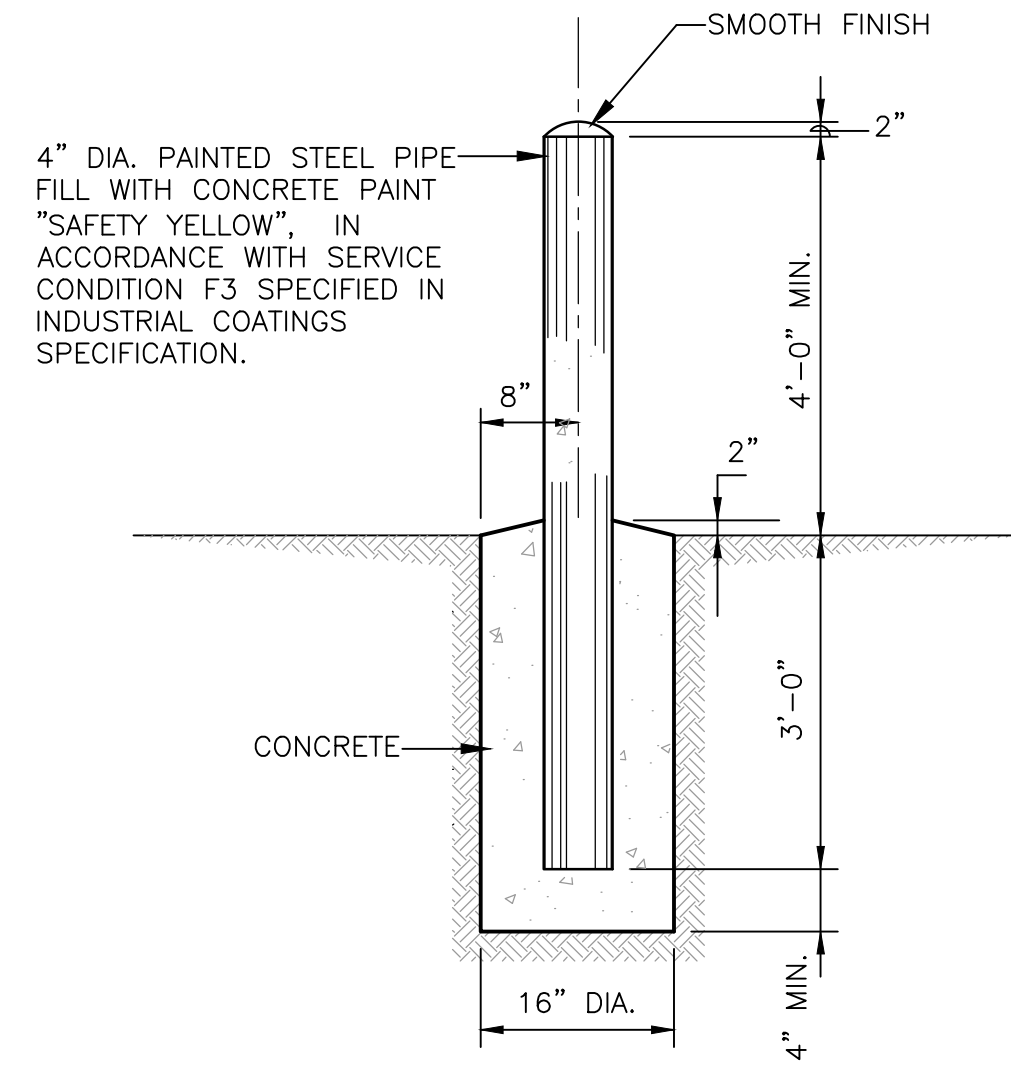
PROJECT NAME:
OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

MISCELLANEOUS UTILITY DETAILS
APPROVED: R.GEORGE REVIEWED: SM
DATE: NOV., 2014 SHEET: W-504
DRAWN BY: J.MARTINEZ

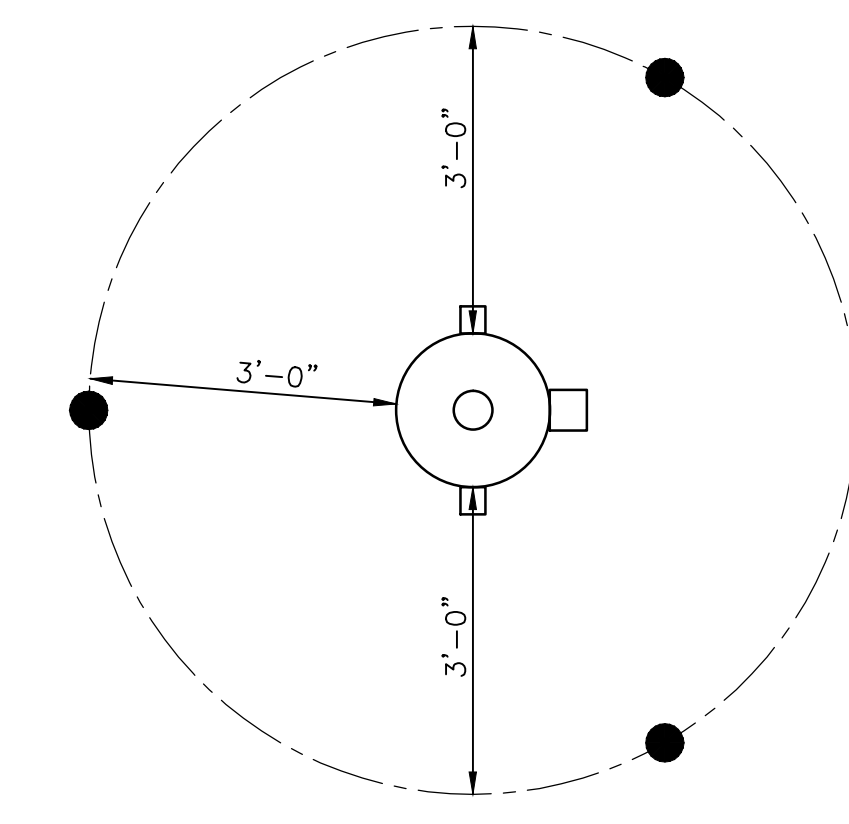
THRUSTS RESTRAINT TABLE BENDS, TEES, CAPS/VALVES, & REDUCERS (RESTRAINED JOINT LENGTHS IN FEET)													
DIAMETER (IN.)	HORIZONTAL BENDS				CAPS/PLUGS /VALVES	SIZE / PLUGS Lg/ Sm/ Run X Br.	TEES				REDUCERS		
	11-1/4" L _R	22-1/2" L _R	45" L _R	90" L _R			Run L _R	Branch L _R	Run L _R	Branch L _R			
4	FJO	2	5	12	35	4X4	FJO	28	5	8	10	FJO	N/A
6	2	3	7	17	47	6X6	FJO	42	5	21	10	FJO	N/A
8	2	4	9	23	62	6X4	FJO	26	5	FJO	10	FJO	24
10	3	5	11	27	75	8X8	FJO	57	5	36	10	FJO	N/A
12	3	6	13	32	88	8X6	FJO	40	5	13	10	FJO	26
						8X4	FJO	23	5	FJO	10	FJO	45
						10X10	FJO	69	5	48	10	FJO	N/A
						10X8	FJO	55	5	29	10	FJO	25
						10X6	FJO	39	5	4	10	FJO	46
						10X4	FJO	21	5	FJO	10	FJO	61
						12X12	FJO	83	5	61	10	FJO	N/A
						12X10	FJO	68	5	42	10	FJO	43
						12X8	FJO	54	5	22	10	FJO	47
						12X6	FJO	37	5	FJO	10	FJO	64
						12X4	FJO	18	5	FJO	10	FJO	77

JOINT RESTRAINT TABLE
 TABLE: THIS TABLE IS BASED ON THE EBAA IRON MEGA LUG JOINT CALCULATIONS PROGRAM WITH THE FOLLOWING INPUT CRITERIA: 3.5FT DEPTH OF BURY (CONSERVATIVE); TRENCH TYPE 4: PVC PIPE MATERIAL: GM SOIL TYPE: 150 PSI TEST PRESSURE: 1.5 SAFETY FACTOR. SPECIFIC CALCULATIONS FOR RESTRAINED LENGTHS ARE REQUIRED FOR CONDITIONS NOT COVERED BY THIS TABLE.

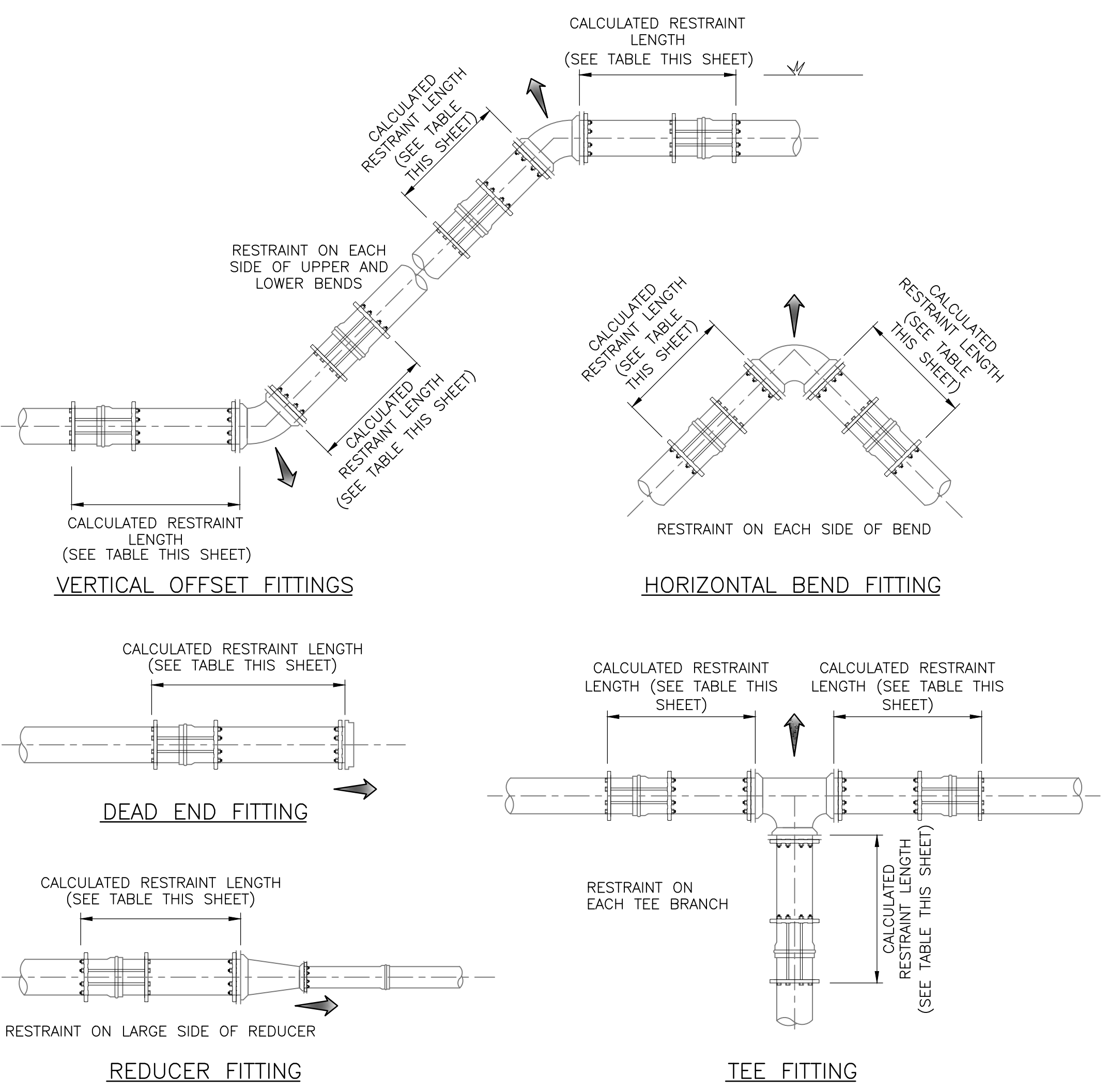
L_R: LENGTH OF RESTRAINED PIPE, IN FEET, FOR EACH SIDE OF THE FITTING.
 MINIMUM RESTRAINED LENGTH: A MINIMUM RESTRAINED LENGTH OF 5 FT. FROM THE FITTING JOINT IS RECOMMENDED. VERTICAL OFFSETS SHALL BE COMPLETELY RESTRAINED BETWEEN THE TOP VERTICAL FITTING AND THE BOTTOM VERTICAL FITTING.
 FJO: FITTING JOINT ONLY - THIS INCLUDES AT LEAST A 1 FT. LENGTH OF RESTRAINED PIPE BEYOND THE FITTING JOINT.
 VERTICAL OFFSET: USE 11-1/2" BENDS OR 22-1/2" BENDS WHEREVER POSSIBLE DUE TO THE SHORTER RESTRAINED LENGTH REQUIREMENTS.
 CAPS/PLUGS: CONCRETE BLOCKING MAY BE REQUIRED BY SFC UTILITIES ON A CASE-BY-CASE BASIS IN ADDITION TO MECHANICAL RESTRAINT.
 PIPE LENGTH: PIPING SHALL BE LAID OUT TO MINIMIZE PIPE JOINTS NEAR FITTINGS. WHEREVER POSSIBLE, FULL 20 FT. PIPE LENGTHS SHALL BE UTILIZED WHEN CONNECTING TO FITTINGS OR VALVES. NO PIPE BELL JOINTS SHALL BE USED WHERE FITTINGS ARE LESS THAN 20 FT. APART.



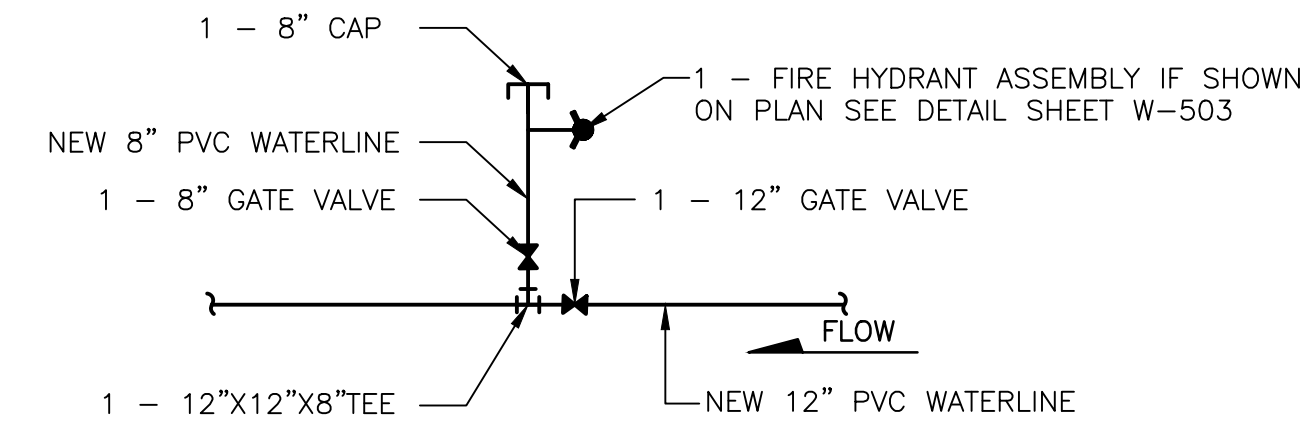
PIPE BOLLARD DETAIL
 SCALE: NONE



PIPE BOLLARD LAYOUT DETAIL
 SCALE: NONE



PIPE RESTRAINT REQUIREMENTS
 SCALE: NONE



1 TYPICAL CONNECTION DETAIL
 SCALE: NONE
 REFER TO PLAN AND PROFILE SHEETS FOR STUBOUT LENGTHS AND ORIENTATION

CAUTION:
 NOTE THAT SANITARY SEWER, GAS AND OTHER UTILITIES ARE NOT SHOWN. EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE SHOWN IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

NOTE:
 CONNECTION DETAILS ARE FOR GENERAL INFORMATION. RESTRAIN ALL VALVES AND FITTINGS WITH JOINT RESTRAINT DEVICES. SEE JOINT RESTRAINT REQUIREMENTS THIS SHEET.



NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

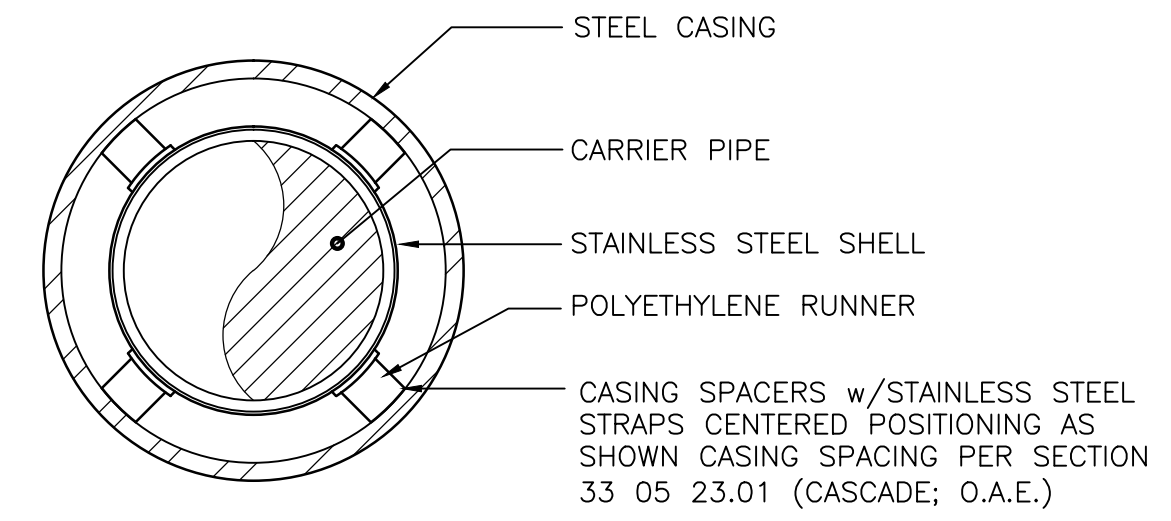
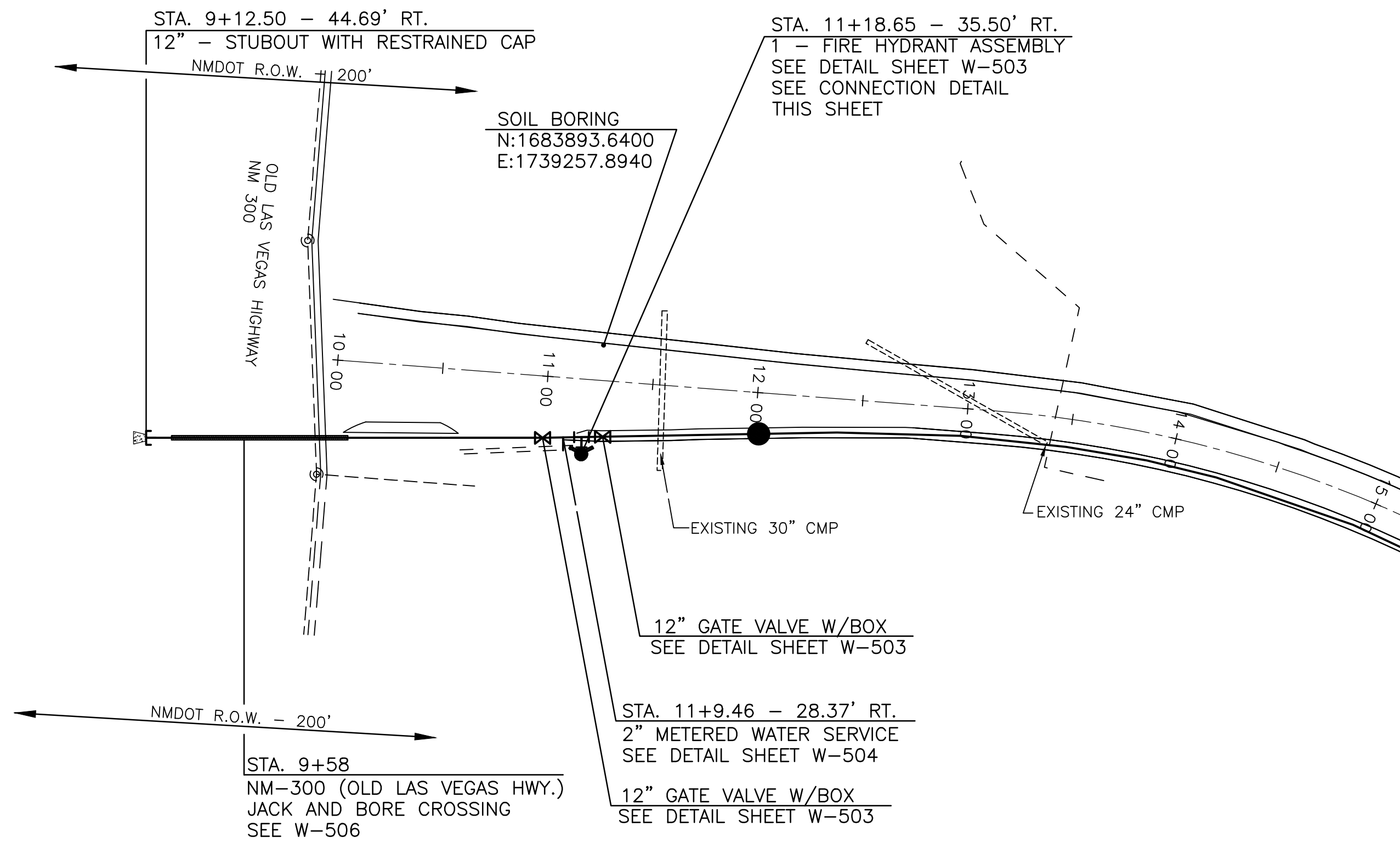
REVISION		
SYMBOL:	DATE:	BY:



PROJECT NAME:
 OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

WATERLINE CONNECTION & JOINT RESTRAINT DETAILS

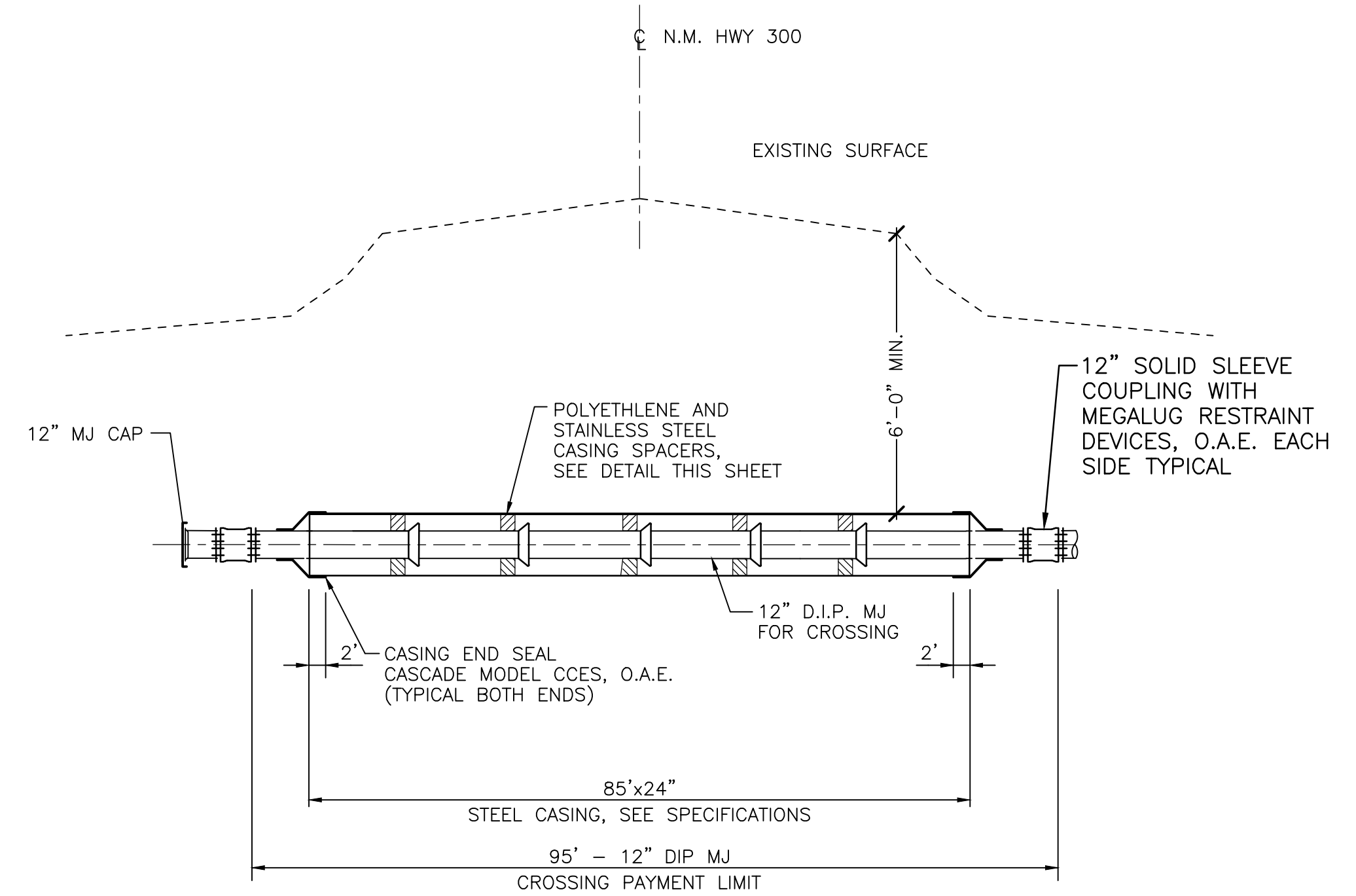
APPROVED: R. GEORGE REVIEWED: SM
 DATE: NOV., 2014 SHEET: W-505
 DRAWN BY: J. MARTINEZ



TYPICAL FOR ALL JACK AND BORE INSTALLATIONS

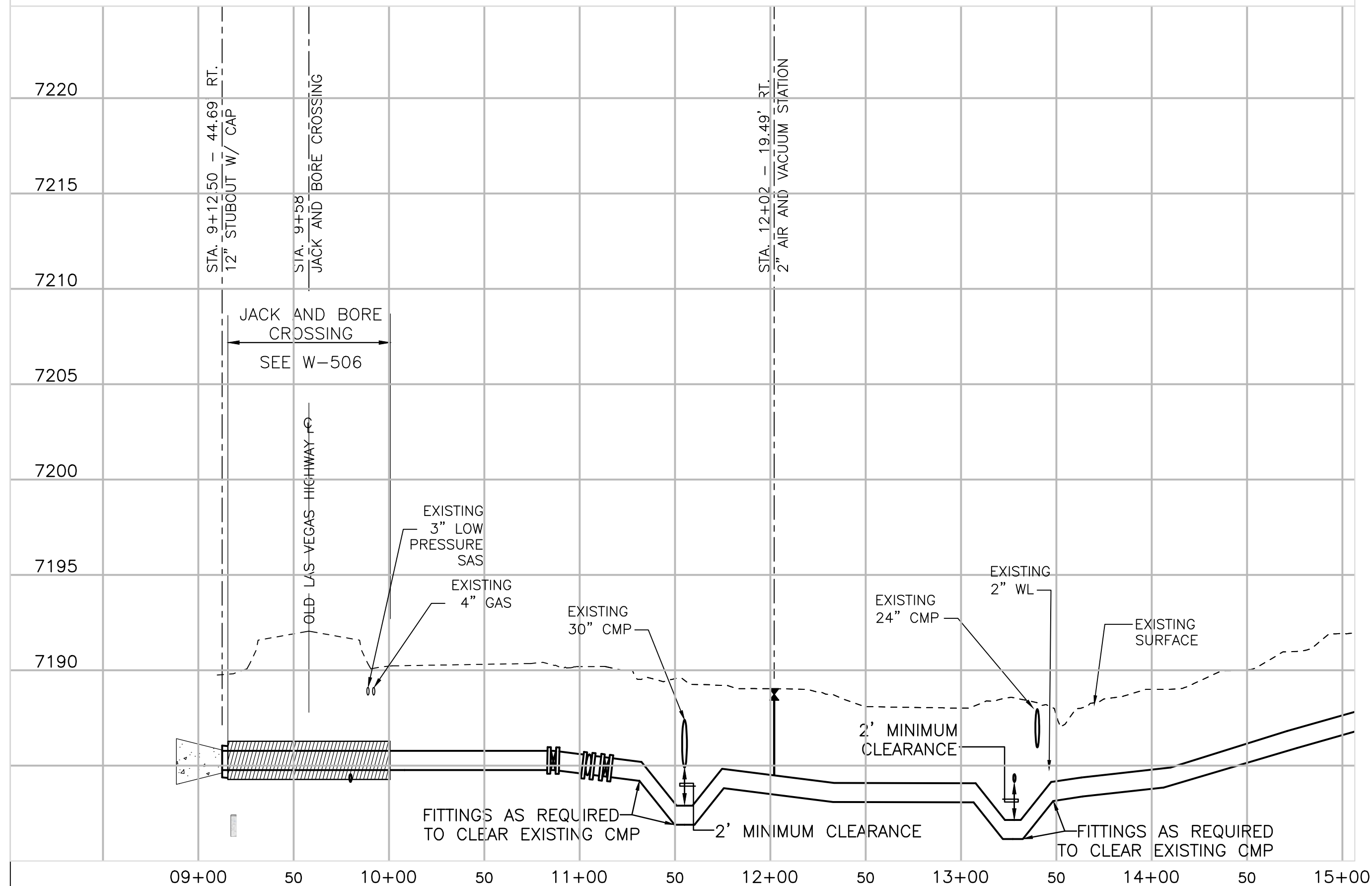
CASING SPACER DETAIL (SECTION THRU SPACER)

SCALE: NONE
REFER TO SECTION 33 05 23.01 - JACK AND BORING FOR REQUIREMENTS



N.M. HIGHWAY 300 CROSSING

SCALE: NONE



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REVISION

SYMBOL:	DATE:	BY:

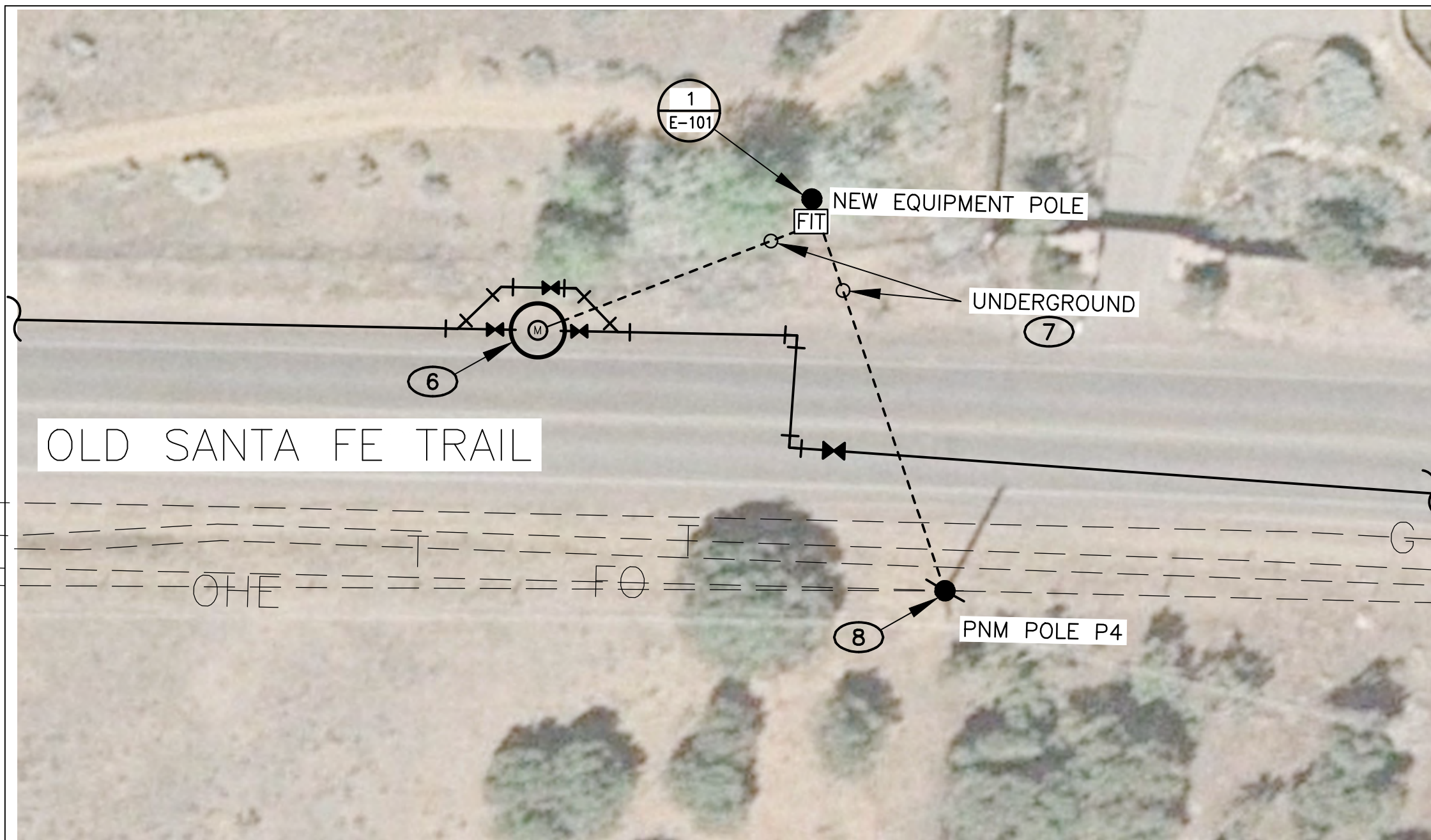


PROJECT NAME:
OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

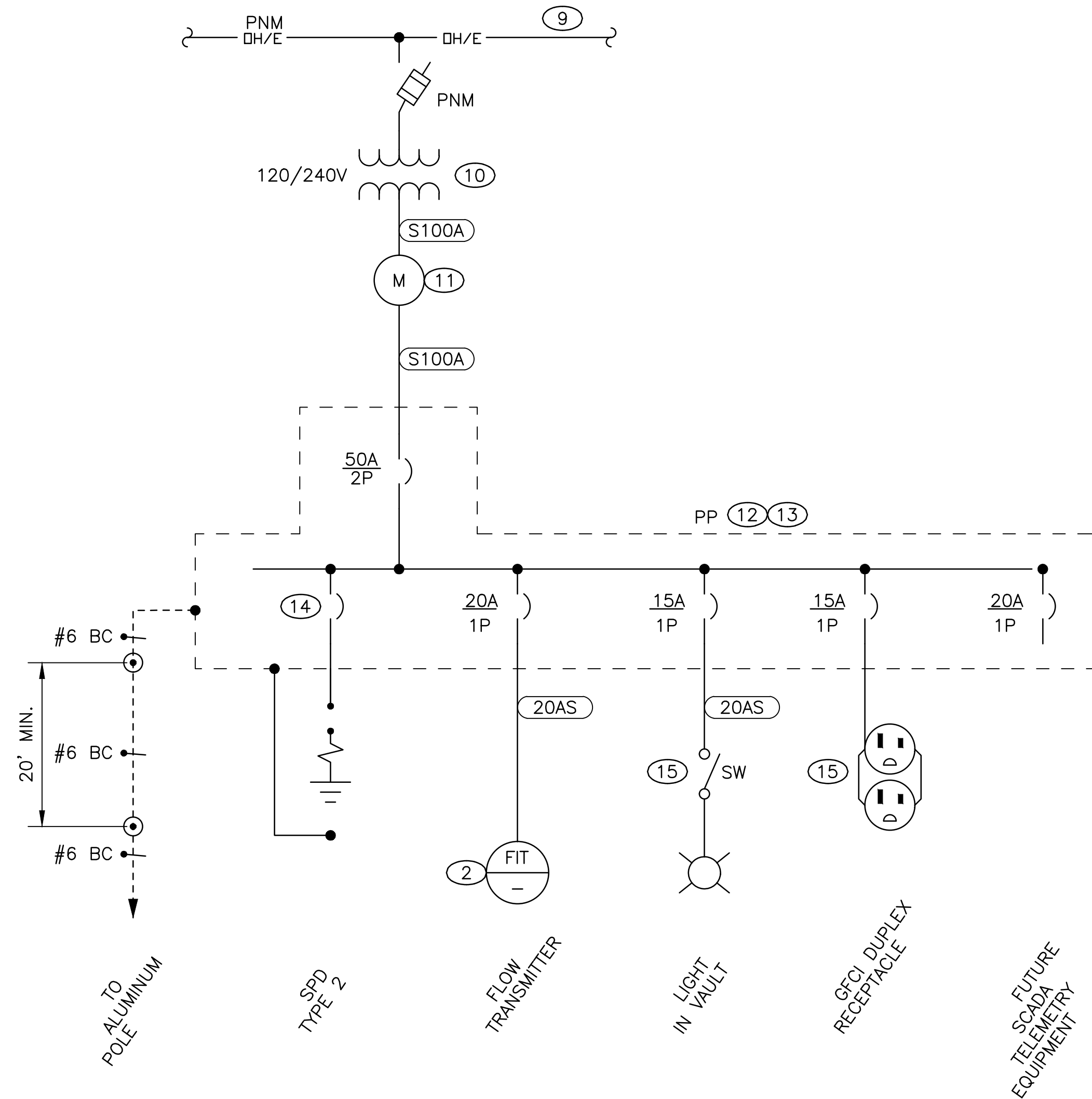
NM-300 JACK AND BORE CROSSING DETAIL

APPROVED: R.GEORGE REVIEWED: SM

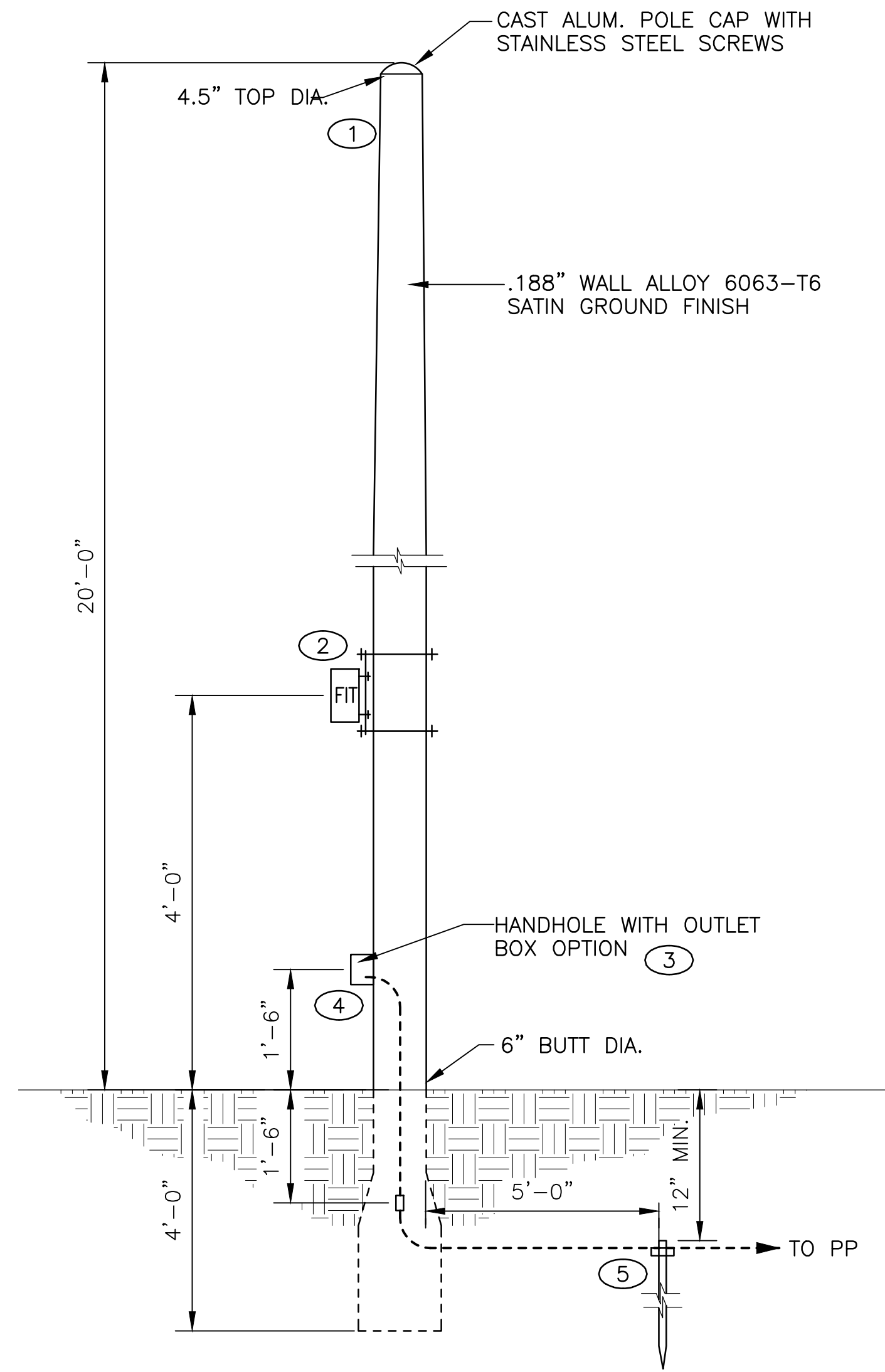
DATE: NOV., 2014 SHEET:
DRAWN BY: J.MARTINEZ W-506



WELL SITE ELECTRICAL PLAN
SCALE: N.T.S.



ONE-LINE DIAGRAM
SCALE: N.T.S.



1 NEW EQUIPMENT POLE DETAILS
SCALE: N.T.S.

POWER CONDUIT SCHEDULE			
NAME	QTY OF CONDUITS	MINIMUM CONDUIT SIZE	CONDUCTORS, EACH CONDUIT
20AS	1	3/4"	#12H, #12N, #12G
100WN	1	2"	3 - #1, #2N, #6G

SERVICE CONDUIT SCHEDULE			
NAME	QTY OF CONDUITS	MINIMUM CONDUIT SIZE	CONDUCTORS, EACH CONDUIT
S100A	1	2"	2 - #2, #2N

	CONDUIT MATRIX				
	RMC	RNC	EMT	FMC	LFMC
BELOW FINISHED GRADE (HORIZONTAL RUNS)	Y	Y			
BELOW FINISHED GRADE (VERTICAL AND 90°)	Y				
EXTERIOR WHERE EXPOSED	Y				
ALL OTHER WORK	Y				

LEGEND:
Y: CONDUIT TYPE ALLOWED

CONNECTED LOAD	1	KVA
DEMAND LOAD	1	KVA
AVAILABLE FAULT	10	KVA

GENERAL NOTES

- REFER TO W-501 FOR ADDITIONAL METER VAULT DETAILS.
- COORDINATE WITH PNM FOR NEW 120/240V SERVICE. USE PNM APPROVED EQUIPMENT. PERFORM ALL WORK IDENTIFIED AS THE CUSTOMERS RESPONSIBILITY.

KEYED NOTES

- ALUMINUM, DIRECT BURY POLE WITH BREAKAWAY OPTIONS ACCEPTED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA). PROVIDE FEATURES AS IDENTIFIED ON THE DRAWING. HAPCO, ALUMINUM POLE PRODUCTS, OR ENGINEER REVIEWED EQUIVALENT. HANDHOLE TO FACE SOUTH. SHOWN HERE FOR DRAFTING PURPOSES. VERIFY LOCATION WITH ENGINEER IN FIELD PRIOR CONSTRUCTION. USED AS WIREWAY FOR CONDUCTORS AND CABLES.
- FLOW TRANSMITTER TO BE MOUNTED ON NORTH SIDE OF THE POLE. MOUNT AT NOMINAL 36" TO AFG. INSTALL TRANSMITTER IN NEMA 3R HINGED LOCKABLE ENCLOSURE.
- OUTLET BOX PROVIDED BY POLE MANUFACTURE. ADD BOX EXTENSION IF NECESSARY.
- GROUND TERMINAL PART OF POLE ASSEMBLY.
- BOND GROUND ROD TO POLE WITH #6 BC.
- PENETRATE VAULT FOR THE CONDUIT AND SEAL AROUND CONDUIT WITH NONMETALLIC GROUT. PULL FACTORY CABLE SUPPLIED WITH FLOW METER TO FLOW TRANSMITTER. CONNECT TO TRANSMITTER.
- MINIMUM 36" DEPTH FOR UNDERGROUND CONDUITS PER PNM STANDARDS. UNDERGROUND CONDUIT ROUTING SHOWN IS ILLUSTRATIVE ONLY. SHOW ACTUAL ROUTING ON AS-BUILT DRAWINGS.
- CONSTRUCT SERVICE RISER IN ACCORDANCE WITH PNM STANDARDS.
- PNM PRIMARY OVERHEAD.
- TRANSFORMER SUPPLIED AND INSTALLED BY PNM.
- INSTALL METER ENCLOSURE WITH SOCKET. PROVIDE PNM APPROVED MATERIAL.
- INSTALL METER AND POWER PANEL (PP) PER PNM STANDARD MS-5-3.0.
- POWER PANEL IN NEMA 3R ENCLOSURE. 120/240V, 100A, 2P, 3 WIRE, WITH 22KAIC RATING. INSTALL NAMEPLATES NEXT TO CIRCUIT BREAKER TO IDENTIFY SPECIFIC UNIT SERVED.
- SIZE CIRCUIT BREAKER AS RECOMMENDED BY SPD MANUFACTURER.
- LOCATED IN METER VAULT.

MOLZENCORBIN

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REVISION

SYMBOL:	DATE:	BY:



PROJECT NAME:
OLD SANTA FE TRAIL ROAD IMPROVEMENTS AND WATERLINE TL2N

ELECTRICAL SITE PLAN NEW MASTER METER VAULT

APPROVED: R.RODKE REVIEWED: DG

DATE: NOV., 2014 SHEET: E-101
DRAWN BY: NW