

DESCRIPTION OF THE WORK:  
 REPLACEMENT OF DUCTILE IRON  
 PIPE FROM BELOW THE WATER  
 TREATMENT PLANT TO THE  
 INTERSECTION OF AMELIA &  
 MOFFAT

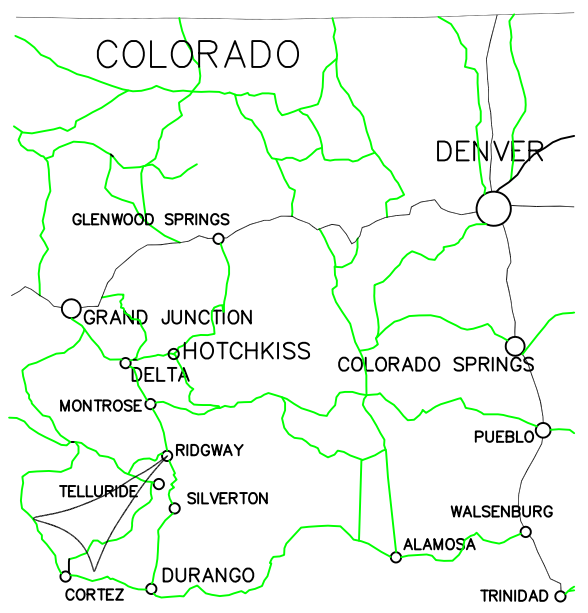
# TOWN OF RIDGWAY DUCTILE IRON PIPE REPLACEMENT

EXISTING WATER LINE	
NEW WATER LINE	
NON POTABLE	
EXISTING SEWER	
PHONE	
FIBER	
OVERHD ELEC	
UG ELEC	
GAS	
FENCE	



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P9	Plan - Sta 23+15 - 25+15
D1	Meter Area Detail
D2	PRV Area Detail
D3	Cluster Details

REFER TO TOWN TYPICAL STANDARDS  
 FOR CONSTRUCTION DETAILS NOT  
 ADDRESSED HEREIN



## PROJECT LOCATION



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	Sheet Revisions ○ ○ ○ ○	<b>CONSOLIDATED CONSULTING SERVICES</b> P.O. BOX 1073 Ridgway, CO 81432 (970) 729-1282	<b>TOWN OF RIDGWAY</b> PO BOX 10, RIDGWAY, CO 81432 970 626 5308 WATER LINE REPLACEMENT PROJECT TITLE SHEET	1
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**CONSTRUCTION**

- C.1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, TOWN OF RIDGWAY SPECIFICATION AND TYPICAL DRAWINGS AS AMENDED & CURRENT CDOT STANDARDS FOR WORK NOT ELSEWHERE SPECIFIED.
- C.2. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND UNDERSTANDING THE PLANS, SPECIFICATIONS, AND STANDARDS. CONTRACTOR SHALL EXECUTE HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ADDITIONAL WORK OR MATERIALS REQ'D TO BRING THE WORK IN CONFORMANCE WITH THESE REQUIREMENTS SHALL BE PROVIDED AT NO ADD'L COST TO OWNER
- C.3. A QUALIFIED SUPERINTENDENT WHO IS ACCEPTABLE TO THE OWNER SHALL BE MAINTAINED AT THE WORK SITE AND GIVE EFFICIENT SUPERVISION TO THE WORK UNTIL IT IS COMPLETED. THE SUPERINTENDENT SHALL HAVE FULL AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR, AND ALL DIRECTIONS GIVEN TO THE SUPERINTENDENT SHALL BE CONSIDERED GIVEN TO THE THE CONTRACTOR. AT MOST TIMES, THE SUPERINTENDENT SHALL NOT BE ENGAGED IN DIRECT CONSTRUCTION OPERATIONS.
- C.4. STATIONING AND ALIGNMENT FOR METERS, VALVE CLUSTERS, SERVICES AND HYDRANTS ARE APPROXIMATE AND MAYBE ADJUSTED BY ENGINEER IN THE FIELD. FOR VALVE CLUSTERS SHALL BE STAKED BY THE CONTRACTOR & APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- C.5. CONTRACTOR SHALL RECONNECT SERVICES, HYDRANTS & CROSS MAINS AS CLOSE TO PERPENDICULAR AS PRACTICAL.
- C.6 CONTRACTOR SHALL PROTECT ALL WORK AREAS AND FACILITIES FROM FLOODING OR WATER DAMAGE REGARDLESS OF WATER SOURCE. ANY REQUIRED DEWATERING AND/OR RESTORATION REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- C.7. CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS INCLUDING OTHER UTILITIES, LANDSCAPE, IRRIGATION, ETC. ALL COSTS ASSOCIATED WITH REPAIR OF IMPROVEMENTS SHALL BE BORN BY THE CONTRACT AT NO COST TO THE OWNER.
- C.8. CLEAR & GRUB (C&G) INCLUDES REMOVAL OF ALL ROCKS, BRUSH, TREES, VEGETATION, TRASH, ETC. FROM WORK AREA. REMOVE & STOCKPILE ANY TOPSOIL. ALL C&G MATERIALS REMOVED BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM PROJECT SITE & DISPOSED OF PROPERLY. CONTRACTOR SHALL CLEAR AND GRUB ONLY THE AREA TO RECEIVE WORK. C&G SHALL BE INCLUDED IN THE COST OF THE WORK THAT REQUIRES C&G.
- C.9. WORK HOURS SHALL BE BETWEEN 7:30 AM AND 6:00 PM ON NON-CDOT HOLIDAY MONDAY-FRIDAYS EXCEPT AS NOTED IN SPECIFICATIONS.

**GENERAL NOTES**

**CONSTRUCTION (CONT'D)**

- C.10. CONTROL ALL DUST ON & OFFSITE WITH A DUST PALLATIVE APPROVED BY O.R. INCLUDE COST OF SAME IN THE COST OF THE ASSOCIATE WORK.
- C.11. COST FOR TRIMMING VEGETATION THAT MAY INTERFERE WITH THE WORK SHALL BE INCLUDED IN THE COST OF THE WORK THAT REQUIRES THE TRIMMING. BEFORE TRIMMING SECURE APPROVAL OF PROPOSED WORK WITH THE PROPERTY OWNER AND THE TOWN.
- CONTRACTOR SHALL COORDINATE WITH ADJOINING PROPERTY OWNERS WHEN WORKING ADJACENT TO THEIR PROPERTY. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES.
- C.13. CONTRACTOR SHALL TAKE MEASURES TO ENSURE THAT WATER CUSTOMERS SERVICES ARE NOT DISRUPTED FOR LONGER THAN THE TIMES ALLOWED IN THE SPECIFICATIONS.
- C.14. CONTRACTOR SHALL RECONNECT ALL SERVICES WHETHER SHOWN ON THE PLANS OR NOT AND BE RESPONSIBLE TO ENSURE THAT ALL CUSTOMERS & BLDGS HAVE GOOD SERVICE AFTER BEING TRANSFERRED TO THE NEW MAINS OR BEING REPAIRED. SUCH CHECKS SHALL BE COMPLETED AS SOON AS THE SECTION OF NEW MAINS PUT INTO SERVICE
- C.15. OWNER'S REPRESENTATIVE (O.R.) WILL DETERMINE WHETHER SERVICES SHOULD BE RECONNECTED TO EXISTING SERVICE LINE BY THE MAIN OR IF THE SERVICE LINE SHOULD BE EXTENDED TO THE METER & RECONNECTED AT THE METER. WHERE PRACTICAL THE INTENT IS TO RECONNECT SERVICE LINES CLOSE TO THE MAIN.
- C.16. CONTRACTOR SHALL RECONNECT ALL IMPACTED SERVICES ON BOTH SIDES OF THE STREET TO NEW MAINS AND SHALL TEST THAT EACH CUSTOMER HAS BEEN RECONNECTED.
- C.17. SANITARY PROTECTION SHALL BE PLACED ON ALL WATER MAINS & SERVICE LINES WHEN THERE IS LESS THAN 18" SEPARATION BETWEEN THE OUTSIDES OF THE POTABLE AND NON POTABLE LINES AND WHEN THE WATER MAIN IS BELOW THE SEWER. ADDITIONAL REQUIREMENTS FOR SANITARY PROTECTION IN THE SPECIFICATIONS. WHERE THERE IS INSUFFICIENT SPACE FOR THE FULL ENCASEMENT SPECIFIED, CONTRACTOR SHALL NOTIFY ENGR WHO WILL DIRECT ADJUSTMENTS.

**CONSTRUCTION (CONT'D)**

- C.18. LOCATIONS OF SEWER SERVICES LINES ARE NOT KNOWN. IF THE WATER MAIN CROSSES A SEWER SERVICE WITH LESS THAN 18" OF SEPARATION, ENCASEMENT OF THE WATER LINE WILL BE REQUIRED.
- C.19. PLANS SHOW SANITARY PROTECTION ON MOST SERVICE LINES. IF THE THE CONTRACTOR RECONNECTS THE WATER SERVICE LINE WITHOUT REACHING THE SEWER CROSSING, IT IS NOT NECESSARY TO INSTALL AN ENCASEMENT ON THE SERVICE LINE.
- C.20. CONTRACTOR SHALL BE RESPONSIBLE FOR STAGING & ACCESS POINTS.
- C. 21. ALL WORK SHALL BE COMPLETED FROM WITHIN EXECUTED EASEMENTS OR RIGHTS OF WAY. NOTIFY ENGINEER SHOULD CONFLICT ARISE, USE OF ADJOINING PROPERTY IS PROHIBITED UNLESS CONTRACTOR MAKES ARRANGEMENTS WITH ADJOINING LAND OWNER AND PROVIDES EXECUTED DOCUMENTATION OF THOSE ARRANGEMENT TO ENGINEER & ENGINEER DETERMINES THAT THE DOCUMENTATION IS ADEQUATE. USE OF HAND TOOLS IS REQUIRED IN CLOSE PROXIMITY TO ROW LINE.

**UTILITIES**

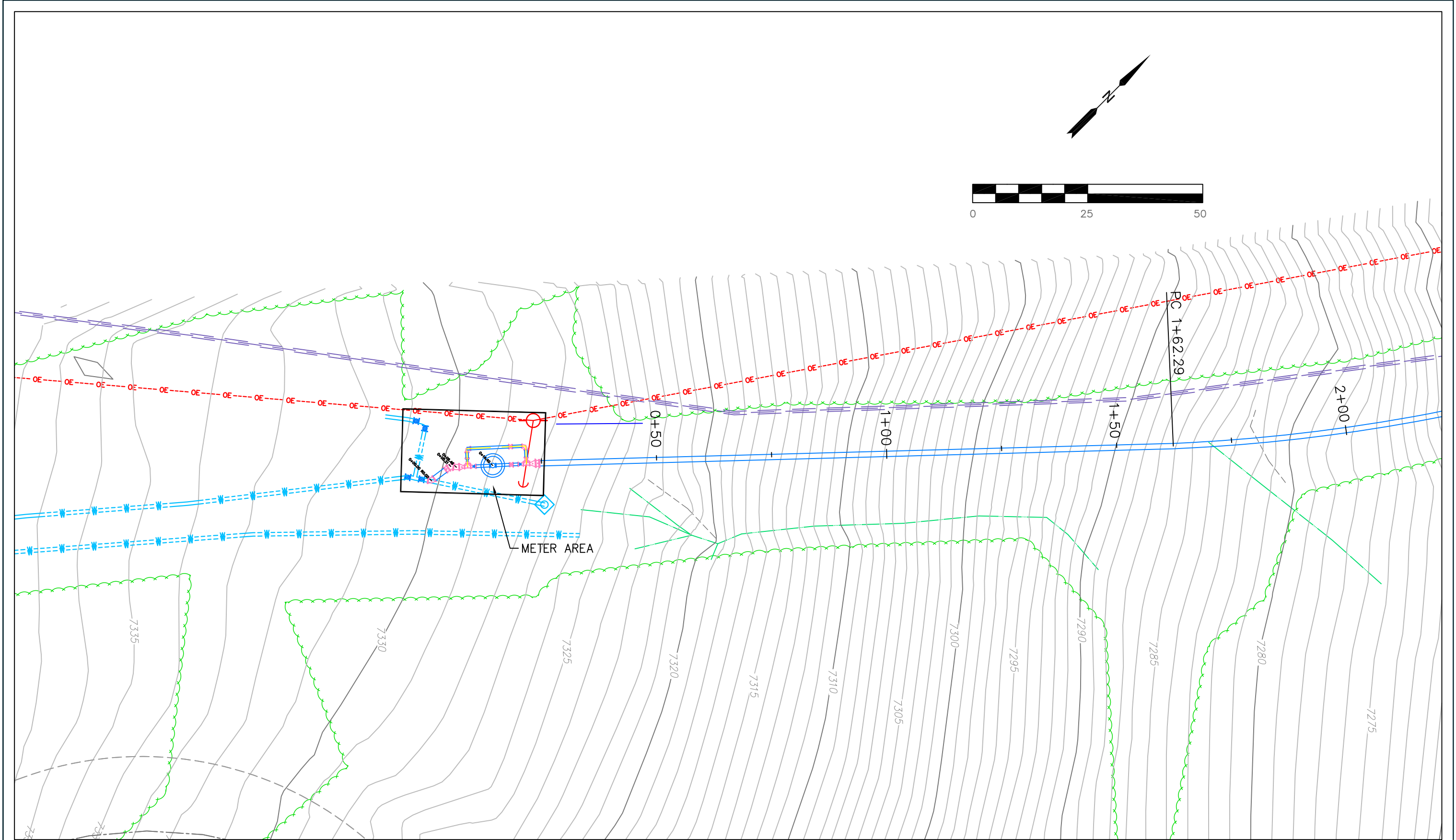
- U.1 THERE ARE WATER, SEWER, IRRIGATION, POWER, PHONE,& FIBER LINES PRESENT IN THE STREETS, & EASEMENTS IN THE WORK AREA. CONTRACTOR SHALL POT HOLE CROSSING UTILITIES IN ADVANCE OF WATER LINE EXCAVATION AND DETERMINE WHETHER THERE WILL BE CONFLICTS. IF CONFLICTS ARE ANTICIPATED, NOTIFY ENGINEER FOR RESOLUTION. INCLUDE COSTS OF POTHOLING, OTHER LOCATION EFFORTS, & COST OF ADJUSTMENTS SHALL BE IN THE COST OF THE BID ITEM FOR WHICH THE WORK IS NEEDED.
- U.2. CONTRACTOR SHALL EXPECT TO ADJUST WATER LINE ELEVATION DOWN UP TO 12" FROM THE 5' OF COVER FOR SHORT DISTANCES TO GRADUALLY CROSS UNDER CONFLICTING OBSTACLES AT NO ADDITIONAL COST TO THE OWNER.
- U.3. NOT ALL UTILITY LINES AND BURIED INFRASTRUCTURE ARE SHOWN ON THE PLANS AND LOCATION OF THOSE SHOWN ARE ONLY APPROXIMATE.
- U.4. THE CONTRACTOR SHALL COORDINATE & COOPERATE W/ UTILITY OWNERS IN THEIR REMOVAL, ADJUSTMENT AND/OR RELOCATION OPERATIONS SO THAT THE UTILITY WORK CAN BE ACCOMPLISHED WITHOUT IMPACTING THE CONSTRUCTION.
- U.5 SEWER SERVICES LINES ARE OWNED AND MAINTAINED BY THE PROPERTY OWNERS OF THE PROPERTIES THE LINE SERVES. ANY DAMAGE TO SEWER SERVICE LINES SHALL BE REPAIRED TO A CONDITION AT LEAST AS GOOD AS BEFORE THE DAMAGE TO THE PROPERTY OWNER'S SATISFACTION.

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<b>TOWN OF RIDGWAY</b> PO BOX 10, RIDGWAY, CO 81432 970 626 5308 <b>WATER LINE REPLACEMENT PROJECT</b> <b>GENERAL NOTES</b>	<b>2</b>
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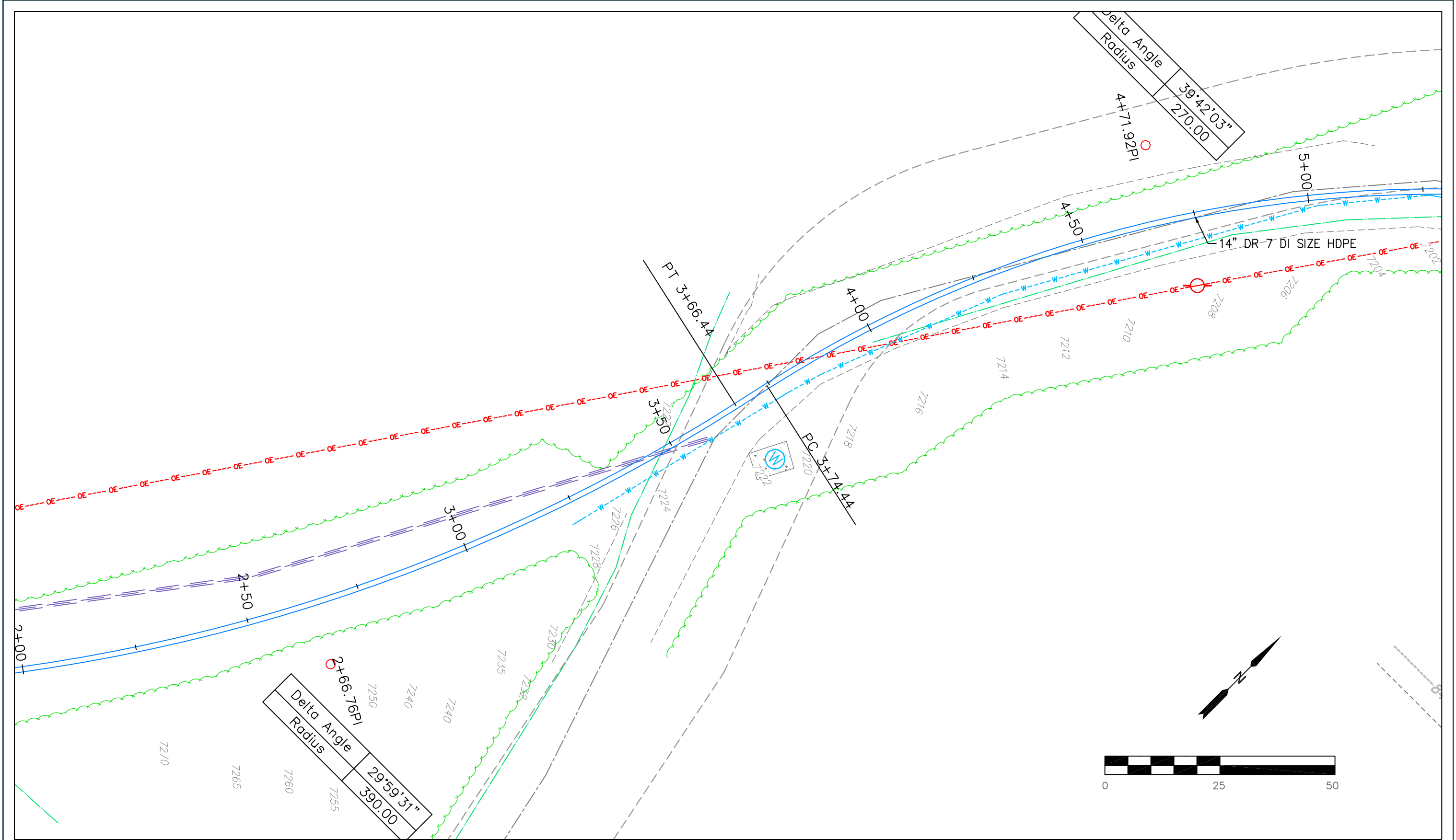
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 STA 0+00 - 2+15

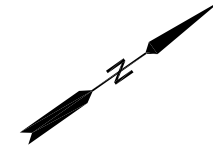
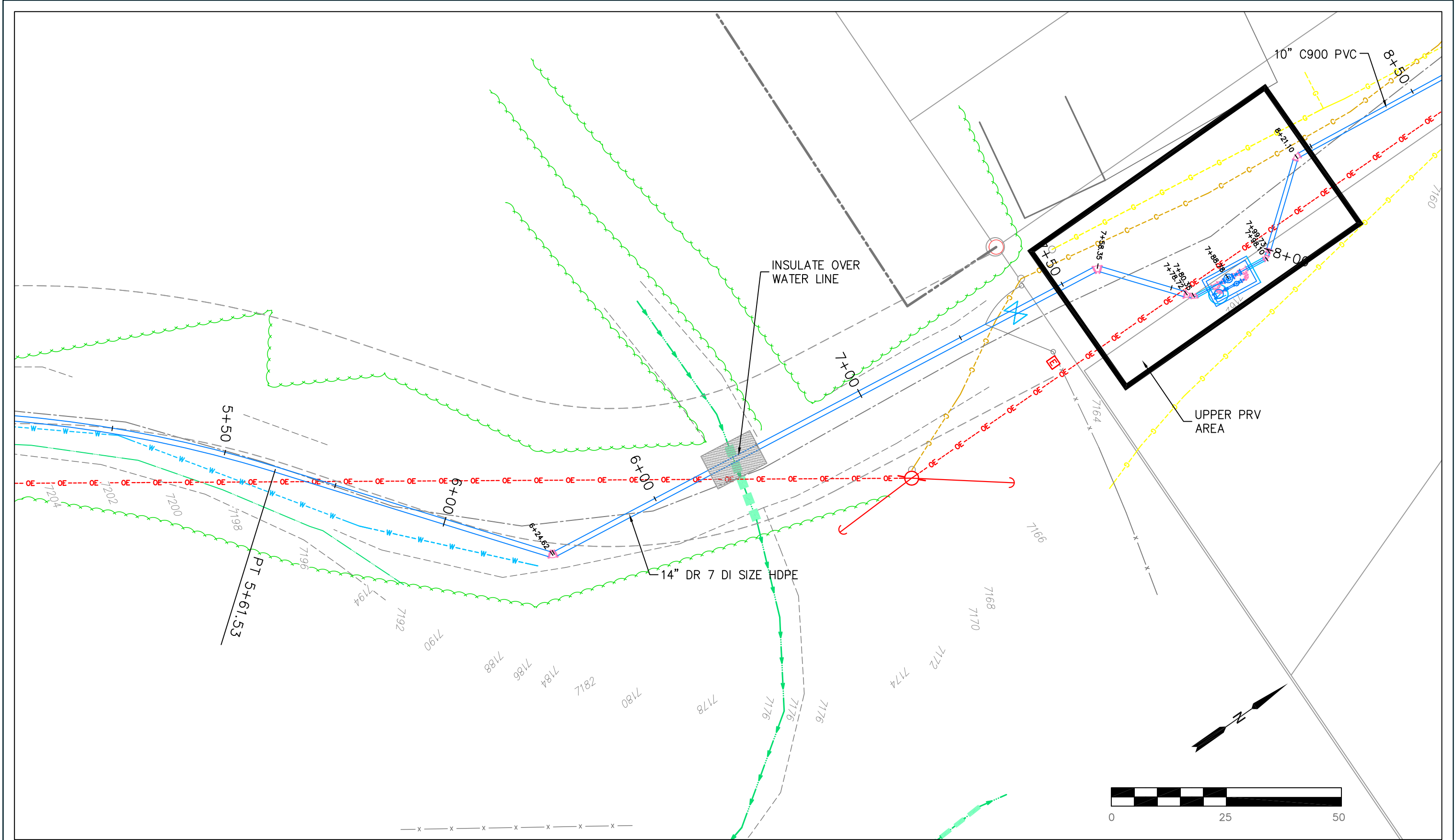
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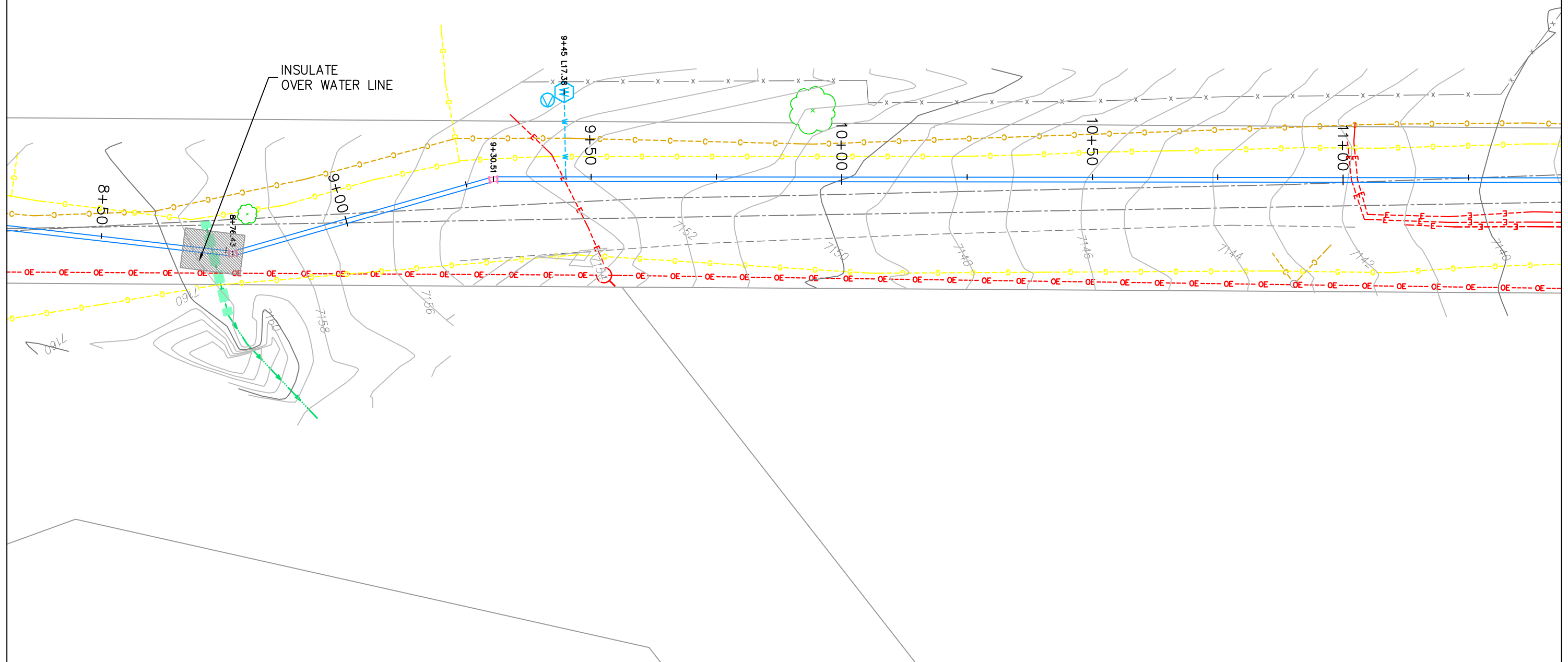
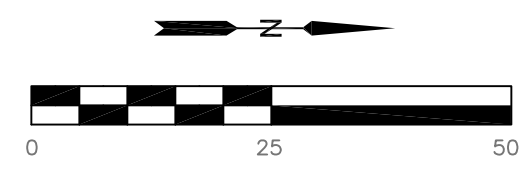


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**WATER LINE REPLACEMENT PROJECT**  
 STA 5+25 - 8+50

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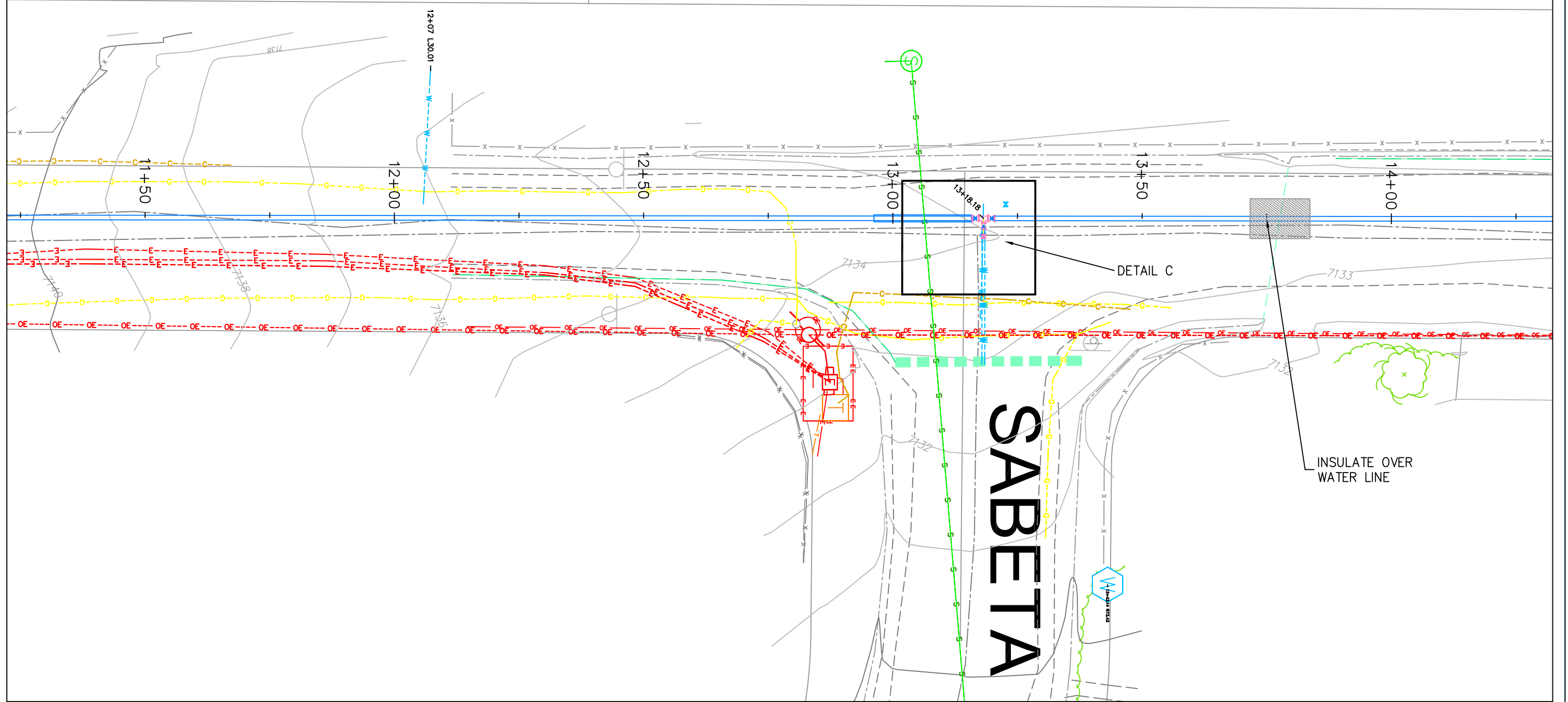
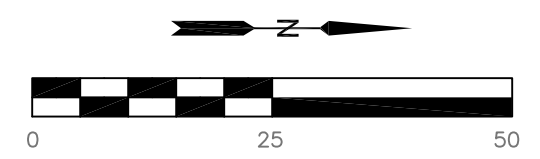
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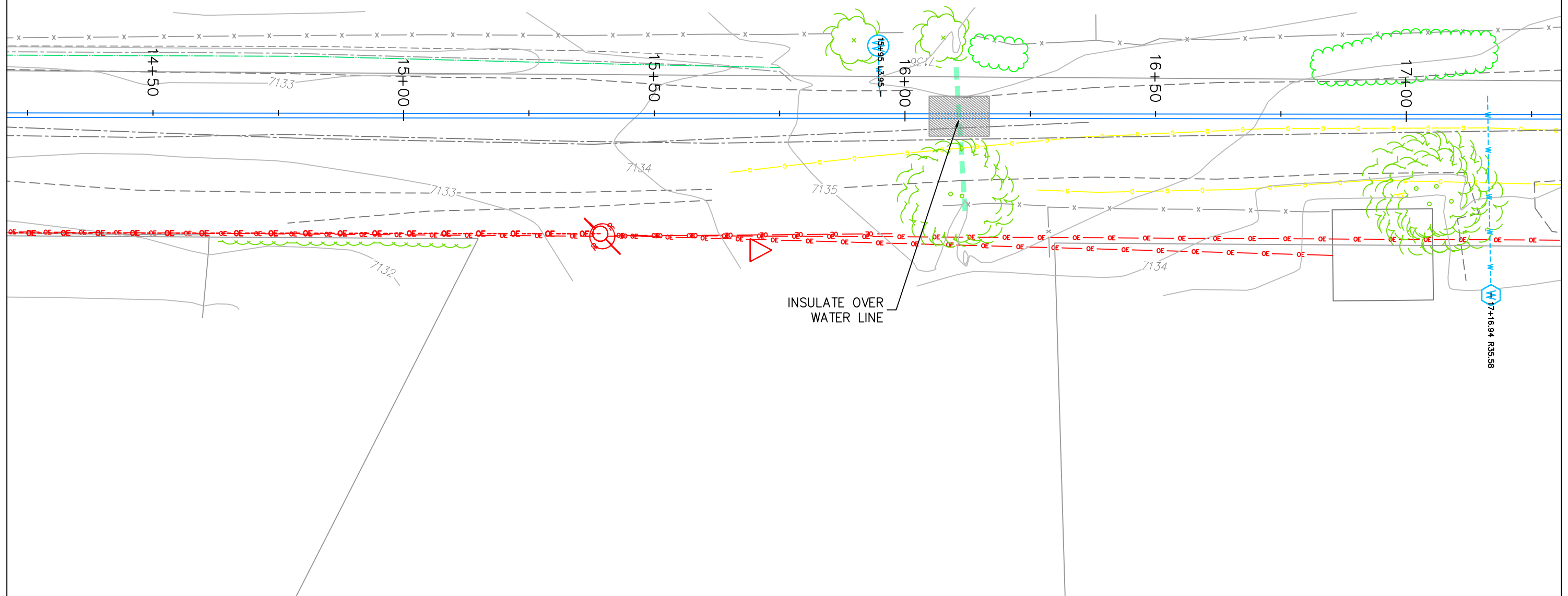
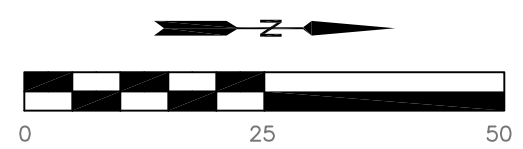


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**WATER LINE REPLACEMENT PROJECT**  
STA 11+25 14+25

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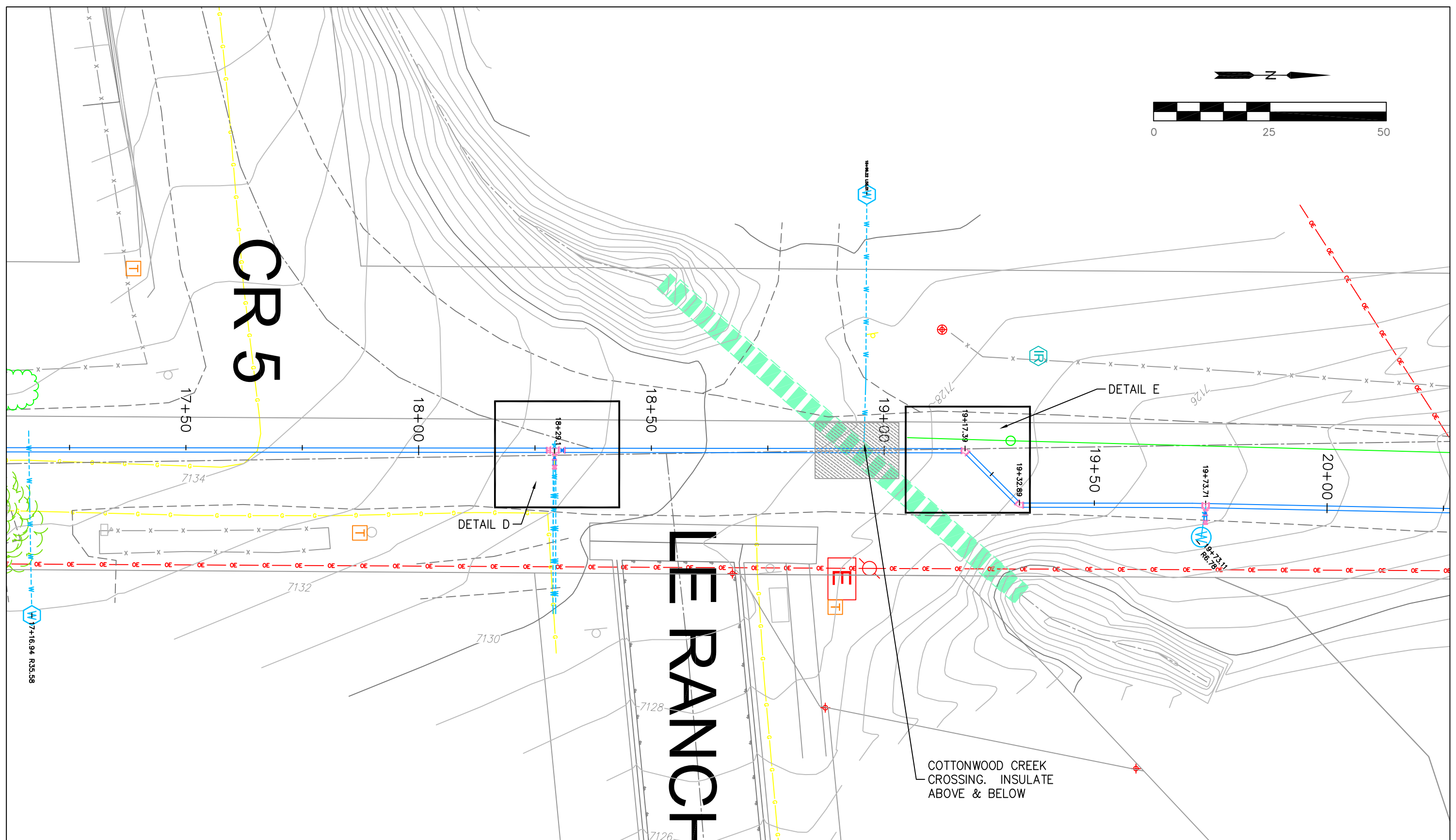
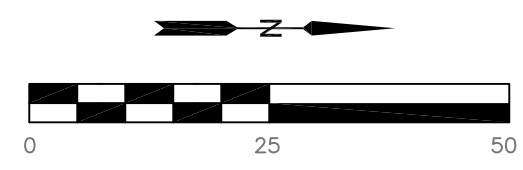
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 STA 14+25 - 17+25

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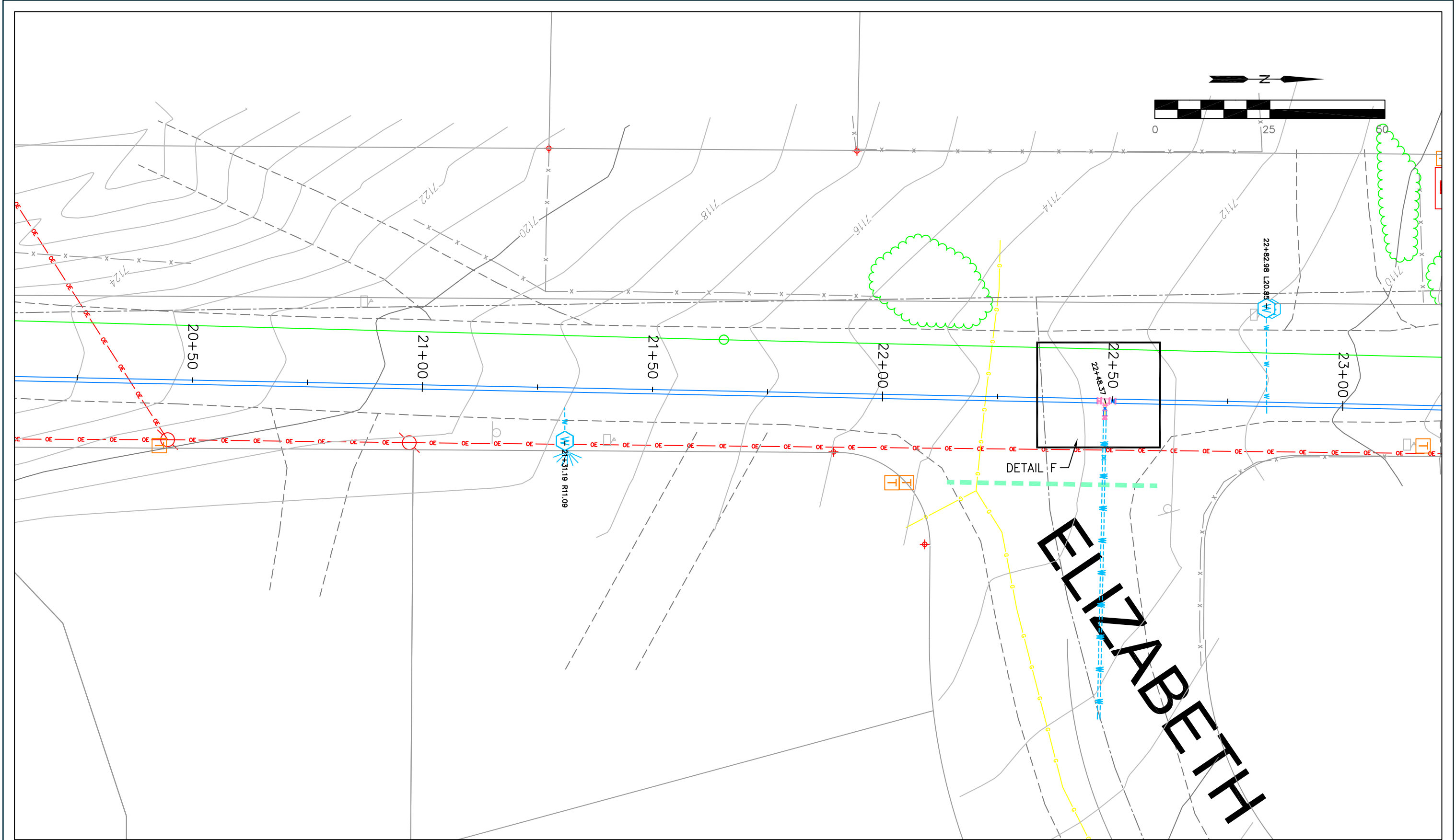
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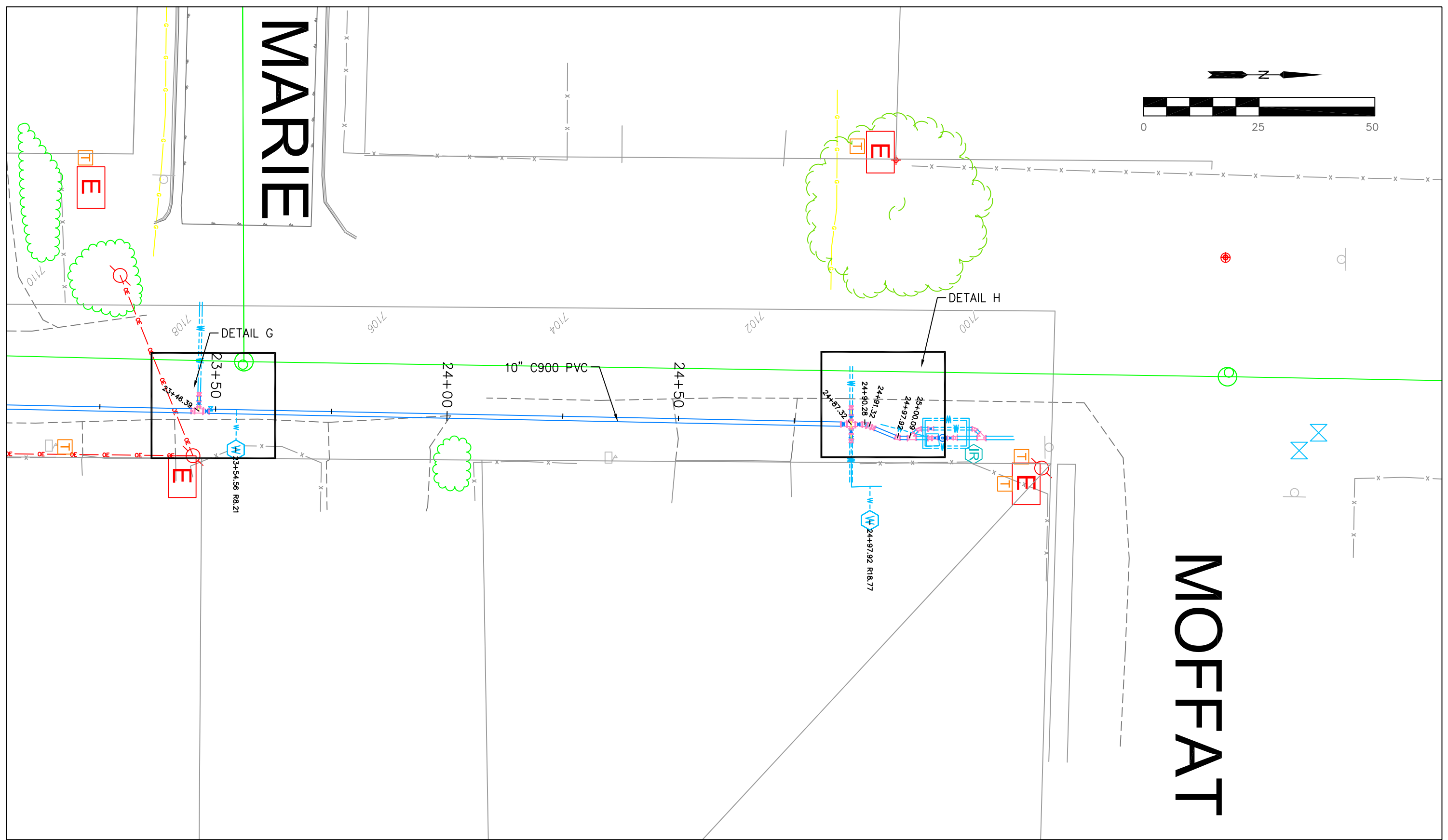
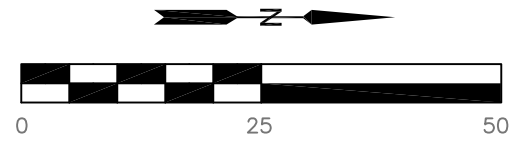


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 STA 20+15 - 23+15

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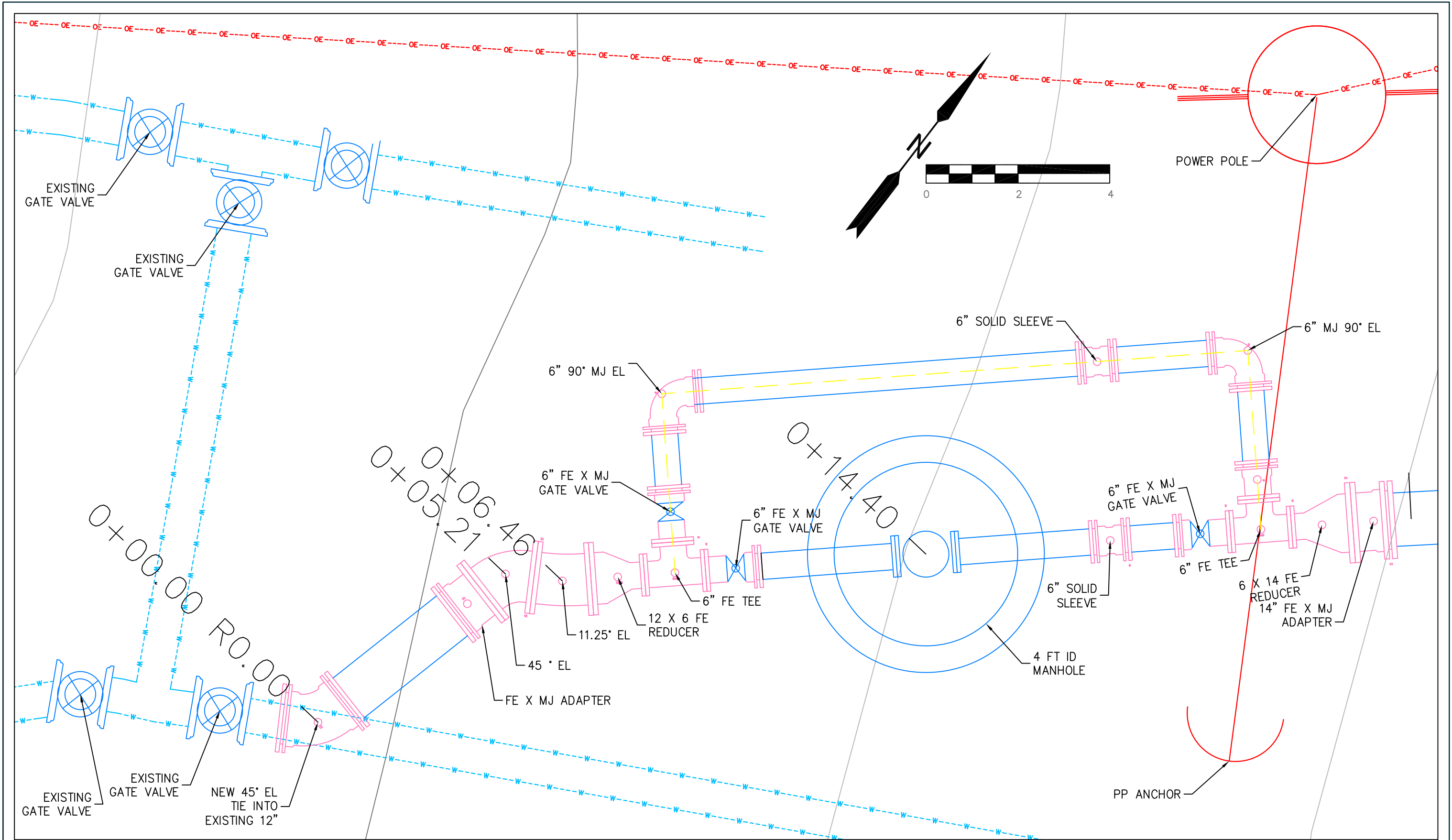
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 WATER LINE REPLACEMENT PROJECT  
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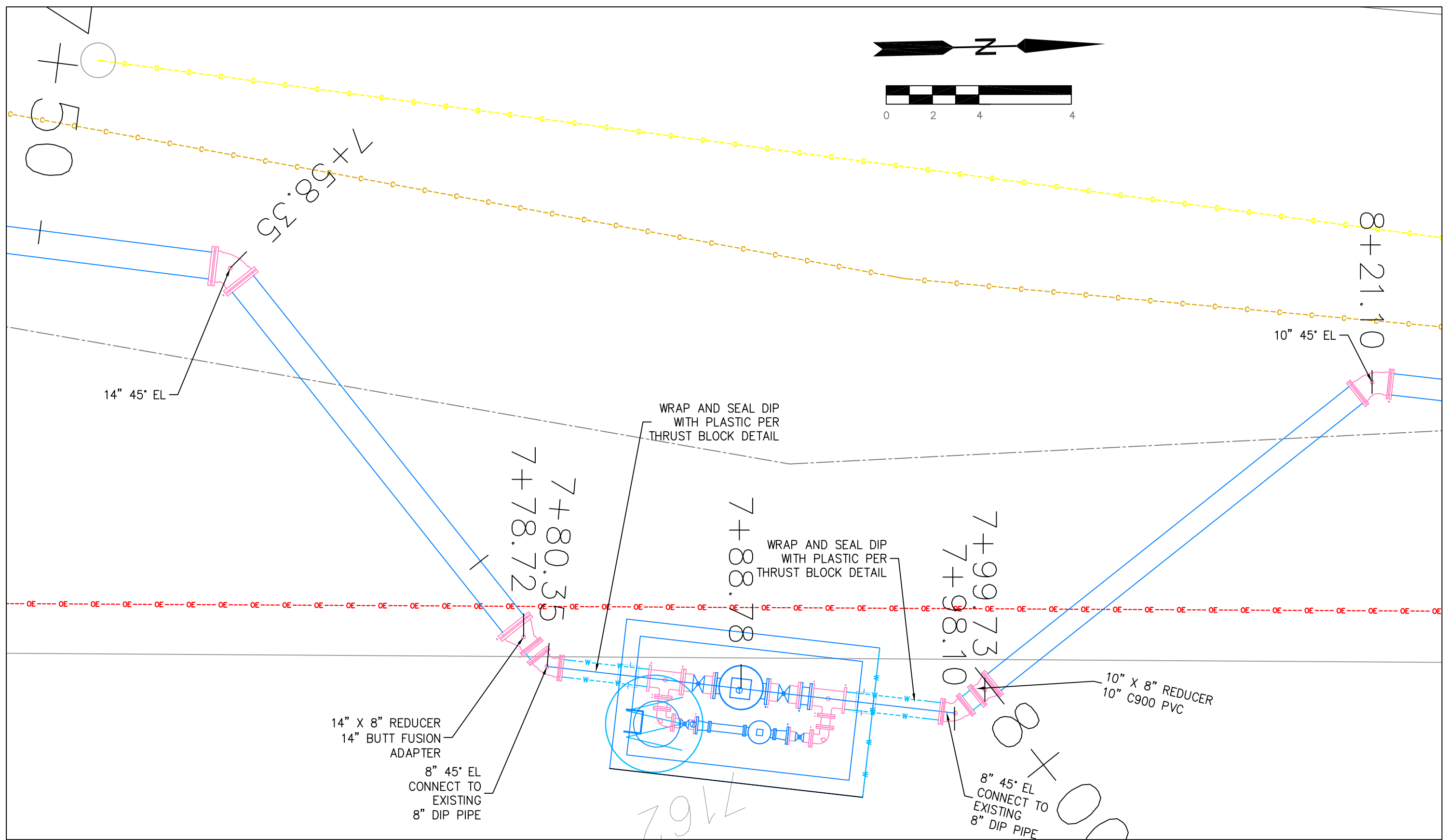
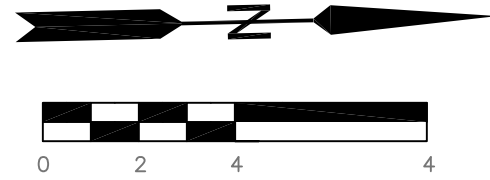
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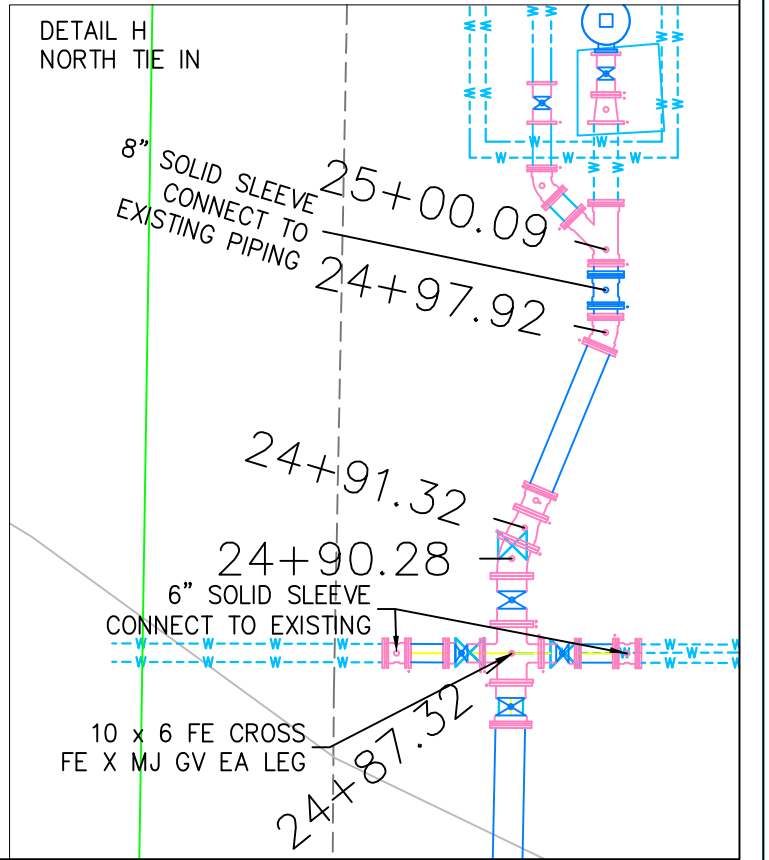
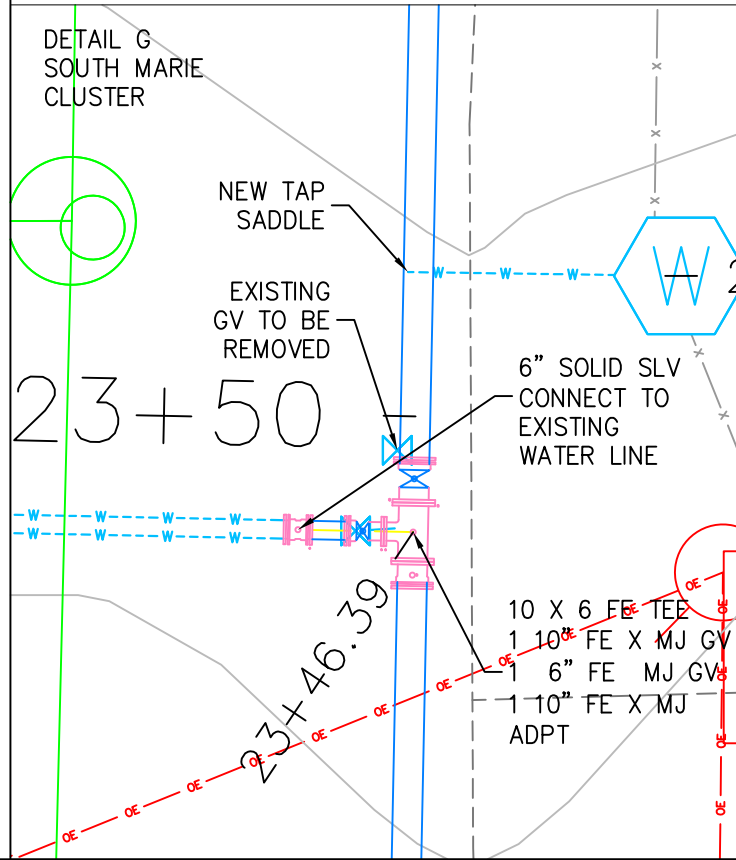
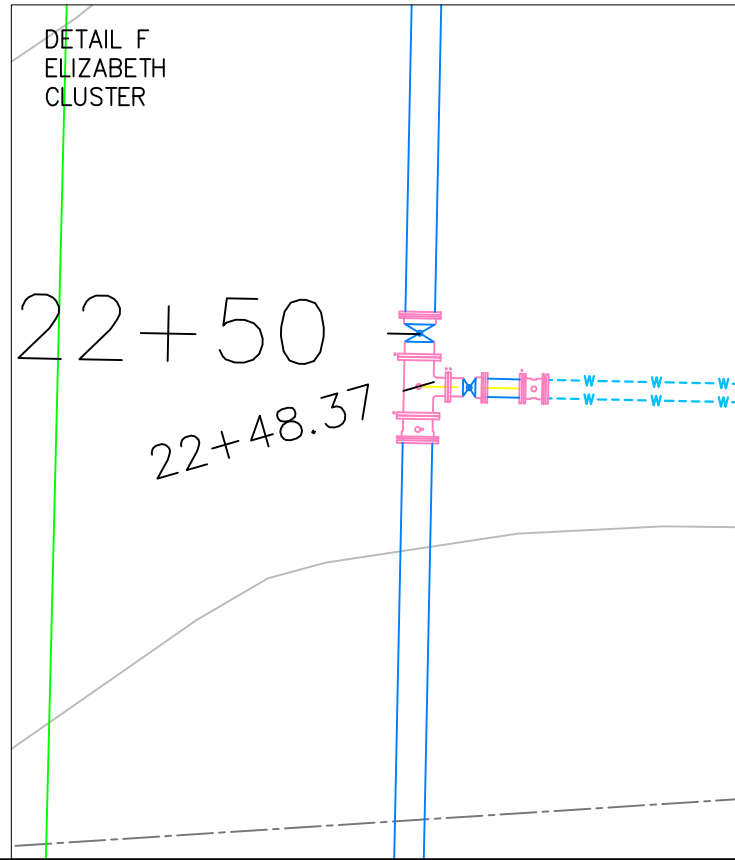
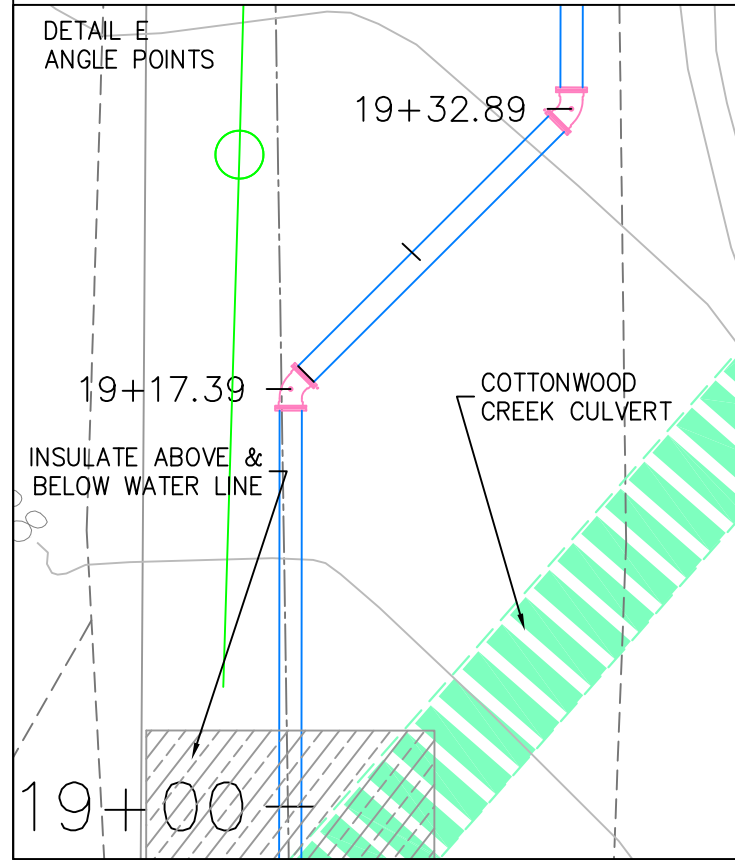
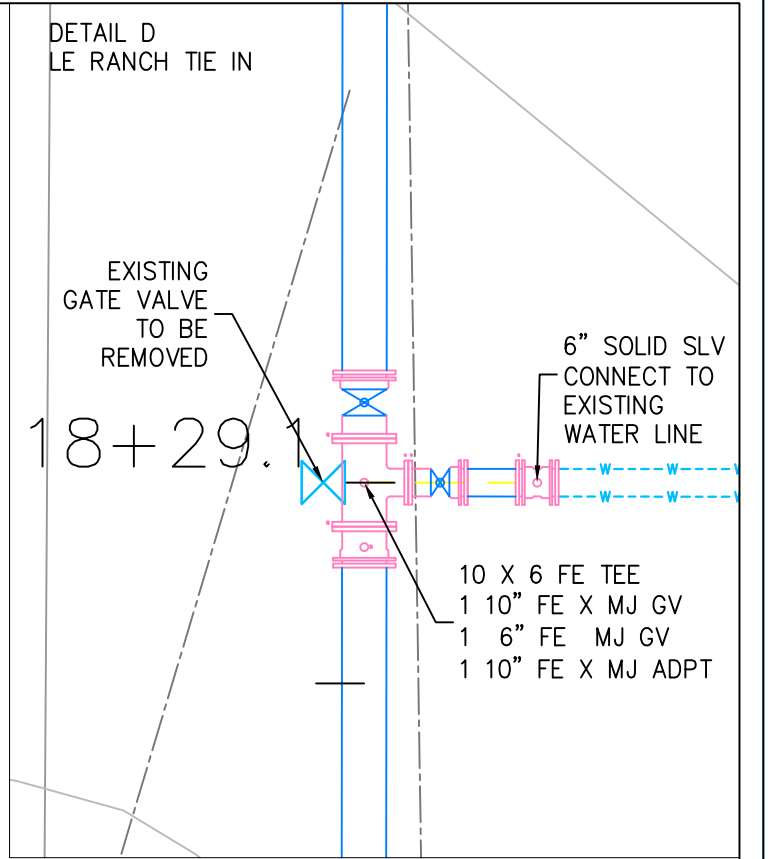
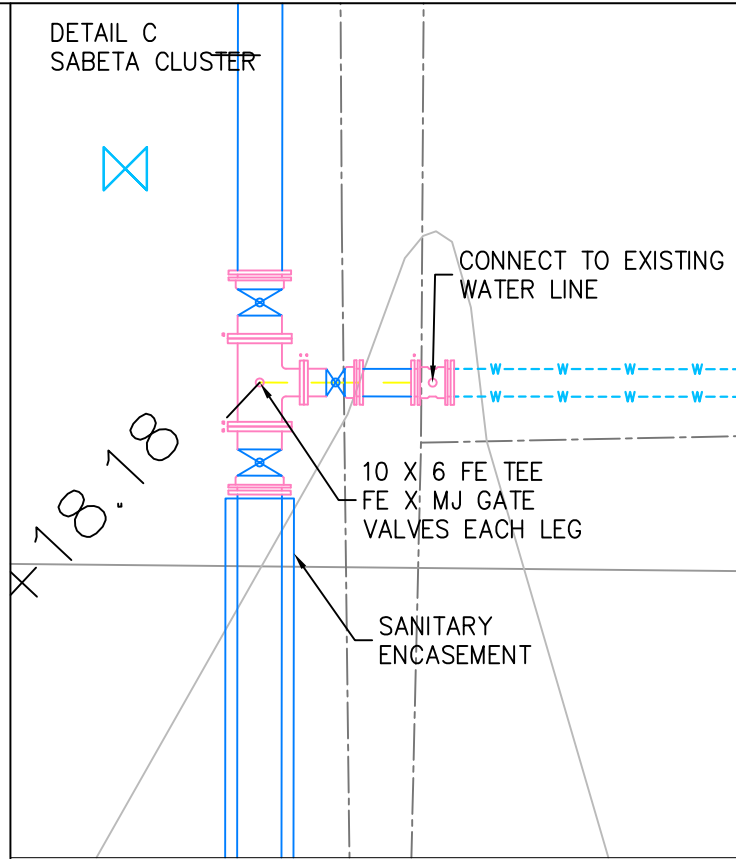
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 PO BOX 10, RIDGWAY, CO 81432 970 626 5308  
**WATER LINE REPLACEMENT PROJECT**  
 UPPER PRV TIE IN

D-2  
 4/27/24

Station	Northing	Easting	Desc	Appurt 1	Appurt 2	Appurt 3	Appurt 4	Appurt 5	Appurt 6
0+00.00	545369.48	1348807.39	BOP Cluster	45 Ell 12" MJ					
0+05.21	545374.63	1348808.13	Angle Pt	Adapter 12" MJxFE	45 Ell 12" FE				
0+06.46	545375.37	1348809.14	Angle Pt	11.25 Ell 12" FE					
0+07.67	545376.27	1348809.95	Pipe Change	Reducer 12x6 FE					
0+14.40	545381.24	1348814.49	CL Meter Cluster	CL Meter Cluster					
0+23.05	545387.64	1348820.31	Pipe Change	Reducer 14x6 MJ	Butt Fusion Adapter 14"				
1+62.29	545488.75	1348916.04	Point of Curve, Curve 1						
2+66.76	545565.79	1348986.61	Curve 1 390' R						
3+66.44	545667.66	1349009.78	Point of Tangent, Curve 1						
3+74.44	545675.60	1349010.94	Point of Curve, Curve 2						
4+71.92	545770.76	1349032.04	Curve 2 270' R						
5+61.53	545827.45	1349111.42	Point of Tangent, Curve 2						
6+24.62	545869.18	1349158.90	Angle Pt	45 Ell 14" Fusion HDPE					
7+58.35	546001.86	1349175.66	Angle Pt	45 Ell 14" Fusion HDPE					
7+78.72	546014.54	1349191.61	Pipe Change	Reducer 14x8 MJ	Butt Fusion Adapter 14"				
7+80.35	546015.55	1349192.88	Angle Pt	45 Ell 8" MJ	Connect to Exist DIP*				
7+89.04	546024.18	1349193.87	Upper PRV Station						
7+98.10	546033.19	1349194.90	Angle Pt	45 Ell 8" MJ	Connect to Exist DIP*				
7+99.73	546034.46	1349193.88	Pipe Change	Reducer 10x8 MJ					
8+21.10	546051.19	1349180.59	Angle Pt	45 Ell 10" MJ					
8+76.43	546106.16	1349186.87	Angle Pt	22.5 Ell 10" MJ					
9+30.51	546158.15	1349171.98	Angle Pt	11.25 Ell 10" MJ					
13+18.18	546545.82	1349172.36	Sabeta Cluster	Adapter 10" MJxFE	Tee 10"x6" FE	GV 6" FExMJ	GV 10" FExMJ	GV 10" FExMJ	
18+29.18	547056.82	1349172.85	Le Ranch Cluster	Adapter 10" MJxFE	Tee 10"x6" FE	GV 6" FExMJ	Spool 6" MJ	GV 10" FExMJ	
19+17.39	547145.03	1349172.93	Angle Pt	45 Ell 10" MJ					
19+32.89	547155.98	1349183.91	Angle Pt	45 Ell 10" MJ					
19+73.71	547196.50	1349184.74	Pressure Relief Valve	Tee 10" Fe x 6 MJ	6" FE x MJ	6" Solid Sleeve			
22+48.37	547471.10	1349190.37	Elizabeth Cluster	Adapter 10" MJxFE	Tee 10"x6" FE	GV 6" FExMJ	Spool 6" MJ	GV 10" FExMJ	
23+46.39	547569.10	1349192.37	Marie Cluster	Adapter 10" MJxFE	Tee 10"x6" FE	GV 6" FExMJ	Spool 6" MJ	GV 10" FExMJ	
24+87.32	547710.00	1349195.26	Moffat Cluster	Adapter 10" MJxFE	Cross 10"x6" FE	6" Solid Sleeve	GV 10" FExMJ	GV 6" FExMJ	Spool 6" MJ
24+90.28	547712.96	1349195.26	Angle Pt	22.5 Ell FE					1GV 10" FE
24+91.32	547713.92	1349195.66	Pipe Change	Reducer 10x8 FE	Adapter 8" MJxFE				
24+97.92	547720.02	1349198.19	EOP Angle Pt	11.25 Ell 8" MJ	Connect to Exist DIP*				

SURVEY DATA IS INTENDED TO FACILITATE LAYOUT, CONSTRUCTION WILL NEED TO BE ADJUSTED TO MATCH ALL TIE IN POINTS & ACCOMMODATE CROSSINGS  
 \* Wrap and seal any ductile pipe in plastic



Sheet Revisions


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 WATER LINE REPLACEMENT PROJECT  
 COORDINATES & DETAILS  
 D-3  
 05/14/24