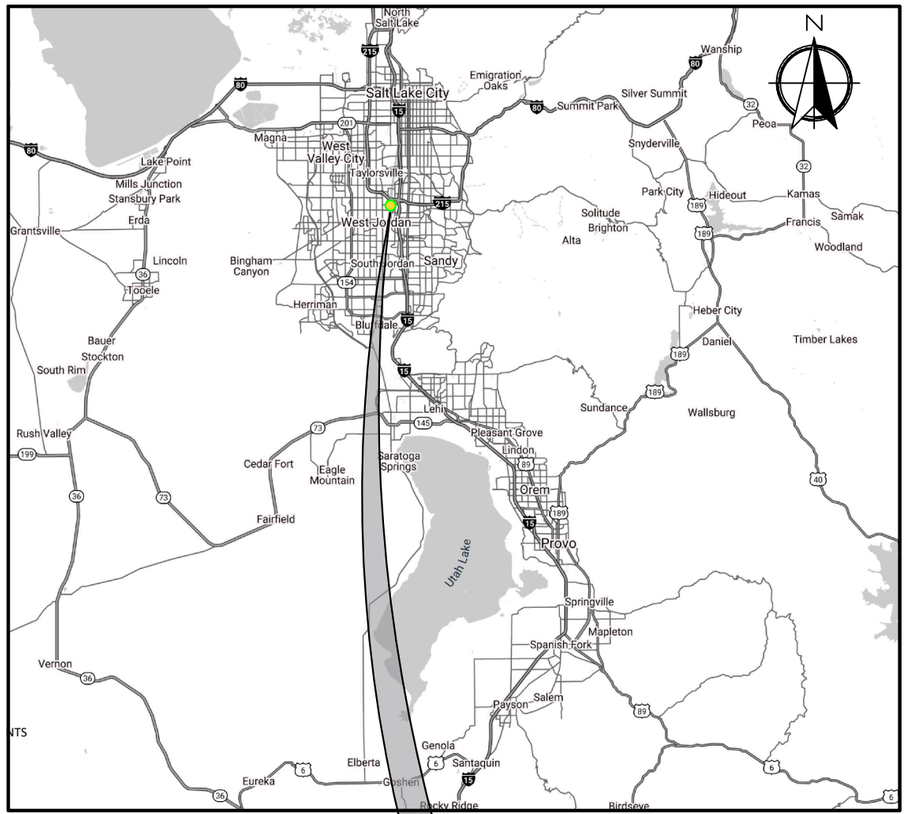
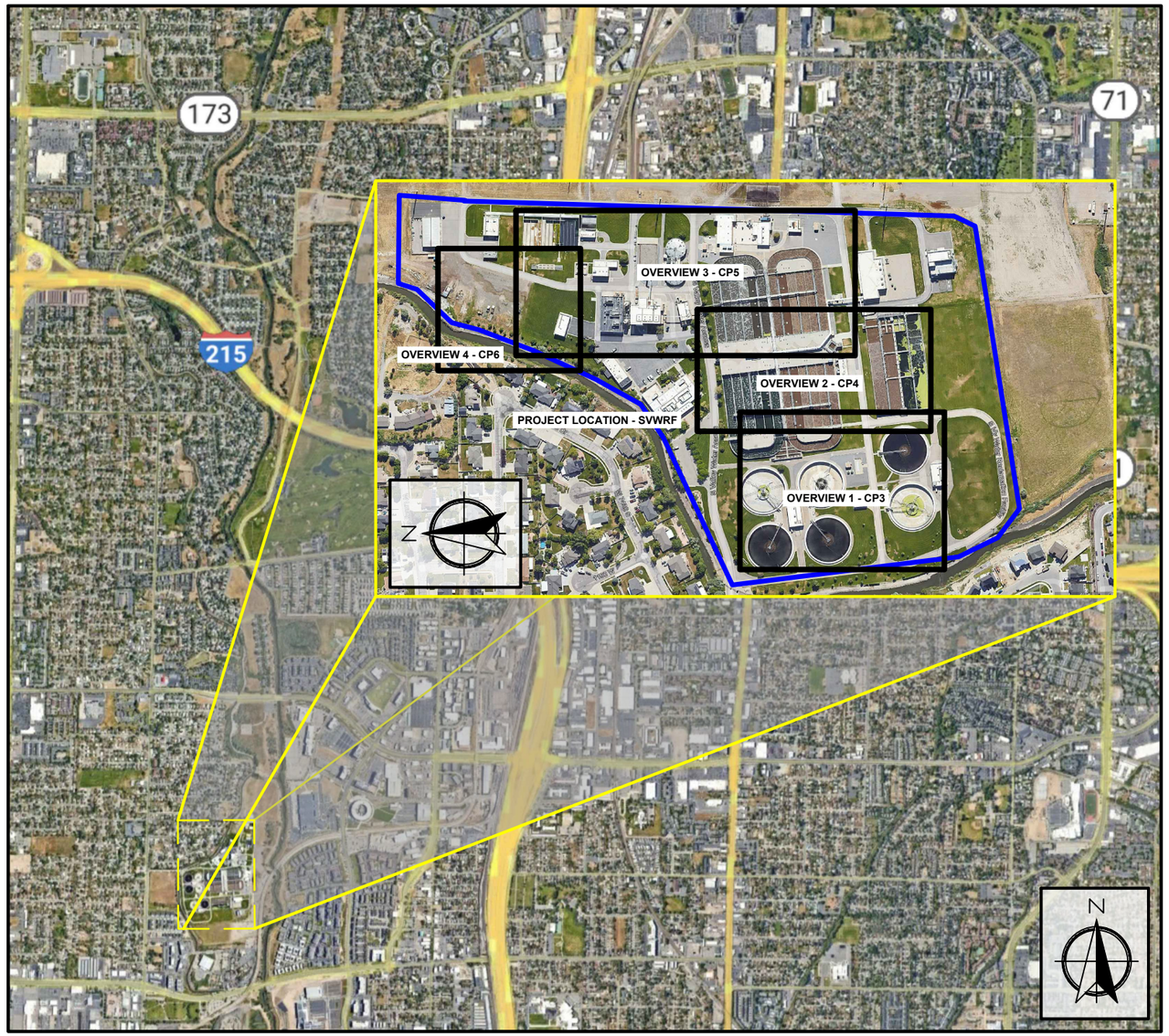
SOUTH VALLEY WATER RECLAMATION FACILITY
2026 CATHODIC PROTECTION SYSTEM PROJECT



UTAH LOCATION MAP

PROJECT LOCATION



PROJECT LOCATION MAP

NTS

SHEET INDEX

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APVD	ESL	NO.	DATE	ISSUE/REVISION	BY	APVD

Infinity Corrosion GROUP, INC. Corrosion Engineers

SVWRF CATHODIC PROTECTION

South Valley WATER RECLAMATION FACILITY — carollo

SHEET	1 OF 8
DWG	CP1
DATE	2026-05-12
CONTRACT	SVWRF-009

TABLE 1 - CATHODIC PROTECTION TEST STATION SCHEDULE FOR BURIED PIPING

TS#	STRUCTURE	TEST STATION TYPE	TEST STATION STYLE	APPROX. TEST STATION OFFSET	HIGH POTENTIAL MAGNESIUM ANODE QTY AND BARE WEIGHT*	ESTIMATED BURY DEPTH (FEET)	LOCATION/COMMENTS
2	8" SCUM	A	POST	15' NORTH	FOUR (4)-60LB	6	INSTALL ANODES IN GRASS. INSTALL TEST STATION AGAINST RAMP. ENSURE TEST STATION IS FULLY PROTECTED BY RAMP.
3	8" SCUM	A	POST	10' EAST	FIVE (5)-60LB	6	INSTALL ANODES TO EAST OF PIPELINE PARALLEL TO ROAD IN DIRT/GRASS BEHIND CONCRETE BARRIERS. INSTALL TEST STATION BEHIND CONCRETE BARRIERS.
3M	8" SCUM	METRICORR	POST	10' EAST	--	6	INSTALL METRICORR TEST STATION NEXT TO TEST STATION 3, TO EAST OF PIPELINE IN DIRT/GRASS BEHIND CONCRETE BARRIERS.
4	8" SCUM	A	FLUSH	10' NORTH	FIVE (5)-60LB	6	INSTALL TEST STATION IN GRASS. INSTALL ANODES IN GRASS PARALLEL TO PIPELINE.
5	8" WAS	A	FLUSH	20' SOUTH	FIVE (5)-60LB	8	ANODES TO BE INSTALLED IN GRASS SOUTH OF PIPELINE BEHIND CURB. INSTALL TEST STATION BEHIND CURB.
6	8" WAS	A	POST	--	FIVE (5)-60LB	8	ANODES TO BE INSTALLED IN GRASS BEHIND CURB PARALLEL TO PIPELINE. INSTALL TEST STATION BEHIND CURB.
6M	8" WAS	METRICORR	POST	--	--	8	INSTALL METRICORR TEST STATION IN GRASS NEXT TO TEST STATION 6 BEHIND CURB.
7	8" WAS	A	POST	--	FIVE (5)-60LB	8	ANODES TO BE INSTALLED IN GRASS PARALLEL TO PIPELINE. INSTALL TEST STATION IN GRASS OVER PIPELINE NEAR STRUCTURE.
8	24" WAS	A	POST	--	FOUR (4)-60LB	8	TEST STATION TO BE INSTALLED IN GRAVEL AGAINST CONCRETE WALL. INSTALL ANODES IN GRASS APPROX. 80' TO SOUTH OF TEST STATION LOCATION. RUN ANODE HEADER WIRE IN CONDUIT UNDER ASPHALT ROAD FROM TEST STATION TO ANODES. SEE DWG CP4 FOR APPROX. GROUNDBED LOCATION.
9	24" WAS	A	POST	--	FOUR (4)-60LB	8	TEST STATION TO BE INSTALLED IN GRAVEL AGAINST CONCRETE WALL. INSTALL ANODES IN GRASS APPROX. 175' TO SOUTH OF TEST STATION LOCATION. RUN ANODE HEADER WIRE IN CONDUIT UNDER ASPHALT ROAD FROM TEST STATION TO ANODES. SEE DWG CP4 FOR APPROX. GROUNDBED LOCATION.
10	30" RAS	A	POST	--	TWO (2)-60LB	13	INSTALL ANODES IN GRASS. INSTALL TEST STATION NEAR EDGE OF CONCRETE IN GRASS
11	30" RAS	A	FLUSH	--	FIVE (5)-60LB	14	INSTALL ANODES AND TEST STATION IN GRASS.
12	30" RAS	A	FLUSH	--	FIVE (5)-60LB	14	INSTALL ANODES AND TEST STATION IN GRASS.
13	42" PI	A	POST	--	FIVE (5)-60LB	10	INSTALL ANODES AND TEST STATION IN GRASS.
19	48" ML	A	FLUSH	--	FIVE (5)-60LB	10	INSTALL ANODES AND TEST STATION IN GRASS.
21	48" ML	A	POST	--	FIVE (5)-60LB	10	INSTALL ANODES IN GRASS. INSTALL NEW TEST STATION NEAR EXISTING TEST STATION. REMOVE EXISTING TEST STATION AT THIS LOCATION.
22	48" ML	A	POST	--	FIVE (5)-60LB	7	INSTALL ANODES IN SOIL BELOW GRAVEL AREA. TEST STATION TO BE INSTALLED AGAINST CONCRETE WALL.
23	48" ML	A	POST	--	FIVE (5)-60LB	7	INSTALL ANODES IN SOIL BELOW GRAVEL AREA. TEST STATION TO BE INSTALLED AGAINST CONCRETE WALL.
24	48" SE	A	POST	--	FIVE (5)-60LB	8	INSTALL ANODES AND TEST STATION IN GRASS.
25	48" SE	A	POST	--	FIVE (5)-60LB	8	INSTALL ANODES IN GRASS. INSTALL NEW TEST STATION NEAR EXISTING TEST STATION. REMOVE EXISTING TEST STATION AT THIS LOCATION.
32	54" PI	A	POST	--	FIVE (5)-60LB	12	TEST STATION TO BE INSTALLED IN GRAVEL AGAINST CONCRETE WALL. INSTALL ANODES IN GRASS APPROX. 95' TO SOUTH OF TEST STATION LOCATION. RUN ANODE HEADER WIRE IN CONDUIT UNDER ASPHALT ROAD FROM TEST STATION TO ANODES. SEE DWG CP4 FOR APPROX. GROUNDBED LOCATION.
33	60" IE	A	POST	--	FIVE (5)-60LB	10	INSTALL ANODES AND TEST STATION IN GRASS.
34	60" IE	A	POST	--	FIVE (5)-60LB	8	INSTALL ANODES AND TEST STATION IN GRASS.
37	72" SE	A	POST	--	SIX (6)-60LB	12	INSTALL ANODES AND TEST STATION IN GRASS BEHIND CURB.
37M	54" PI	METRICORR	POST	--	--	12	INSTALL METRICORR TEST STATION IN GRASS NEXT TO TEST STATION 37.
38	72" SE	A	POST	--	FOUR (4)-60LB	10-20	INSTALL ANODES IN GRASSY AREA. INSTALL TEST STATION NEAR CONCRETE STRUCTURE.
39	72" SE	A	POST	--	FOUR (4)-60LB	10-20	INSTALL ANODES IN GRASSY AREA. INSTALL TEST STATION NEAR UV SPLITTER BOX.

GENERAL

1. CONTRACTOR SHALL PROTECT NEW AND EXISTING SVWRF EQUIPMENT AND COMPONENTS. DAMAGE WILL BE REPAIRED AT THE CONTRACTORS SOLE EXPENSE.
2. CONTRACTOR SHALL NOT BLOCK ACCESS OR LIMIT THE USE OF ANY PROPERTY DURING CONSTRUCTION.
3. CONTRACTOR TO CONFIRM PIPE LOCATION BEFORE INSTALLING GALVANIC ANODES AND TEST STATIONS, UTILIZING MINIMALLY INVASIVE METHODS TO EXPOSE THE PIPE AND ADJACENT UTILITIES, SUCH AS VACUUM EXCAVATION.
4. WHERE NOTED IN THE TEST STATION SCHEDULE, CONTRACTOR SHALL DETERMINE LOCATION OF THE PIPE TRANSITION FROM REINFORCED CONCRETE PIPE (RCP) TO STEEL OR END OF CONCRETE ENCASEMENT, AND UTILIZE MINIMALLY INVASIVE METHODS TO EXPOSE THE PIPE AND ADJACENT UTILITIES, SUCH AS VACUUM EXCAVATION.
5. CONTRACTOR RESPONSIBLE FOR RESTORING SITE TO PREWORK CONDITIONS INCLUDING TOPSOIL AND SOD REPLACEMENT. SEE SPECIFICATION 01110 - SUMMARY OF WORK.
6. ALL WORK SHALL BE PERFORMED WITHIN DESIGNATED BOUNDARIES, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CLAIMS TO ADJACENT PUBLIC OR PRIVATE PROPERTY.
7. TOP SOIL TO BE KEPT SEPARATE FROM OTHER EXCAVATED SOILS AND THEN REAPPLIED LAST AFTER BACKFILLING.
8. PIPE SIZES AND MATERIALS ARE PROVIDED BASED ON AVAILABLE HISTORICAL PROJECT DOCUMENTATION. CONTRACTOR SHALL CONFIRM SIZES AND MATERIALS OF PIPELINES.

TEST STATIONS

1. SEE TEST STATION SCHEDULE, TABLE 1 FOR LOCATIONS, TYPE, AND STYLE OF TEST STATIONS.
2. SEE DETAIL 1, CP7 FOR TYPE "A" TEST STATION DETAIL.
3. SEE DETAIL 2, CP7 FOR METRICORR TEST STATION DETAIL.
4. STYLE OF TEST STATION MAY BE CHANGED WHERE NEEDED AT OWNER/PROJECT REPRESENTATIVE'S DISCRETION.
5. LOCATE TEST STATIONS NEXT TO PROTECTIVE PERMANENT ABOVE GROUND STRUCTURES, OR WHERE SPECIFIED. TEST STATION SHOULD BE LOCATED AS CLOSE TO DIRECTLY OVER PIPELINE AS POSSIBLE WHERE OFFSETS ARE NOT REQUIRED. FINAL LOCATION TO BE VERIFIED IN THE FIELD BY THE OWNER/PROJECT REPRESENTATIVE.
6. TEST STATIONS LOCATED WITHIN ROADS, OPEN AREAS, OR FIELDS SHALL BE OFFSET AS SHOWN ON THE SCHEDULE TO THE PHYSICAL FEATURE IDENTIFIED OR AS DIRECTED BY THE ENGINEER.
7. FLUSH TEST STATIONS TO HAVE 12" OF GRAVEL INSTALLED BELOW BASE OF TEST STATION. SEE DETAIL 4, CP7.
8. LOCATE REFERENCE ELECTRODE 6" FROM THE EDGE OF PIPE.
9. THE LOCATION OF METRICORR TEST STATIONS CAN BE ADJUSTED DEPENDING ON THE TYPE AND MATERIAL OF THE PIPE. COATED STEEL PIPES ARE OPTIMAL FOR METRICORR INSTALLATION. IN CASES WHERE MORTAR COATED STEEL IS DISCOVERED DURING THE EXCAVATION PROCESS FOR METRICORR INSTALLATION. CORROSION COUPONS SHALL BE CAST IN PORTLAND CEMENT, COVERING COUPON WITH 0.5" TO 0.75" OF CEMENT.
10. ALL TEST LEADS WITHIN EACH TEST STATION MUST BE CLEARLY AND DURABLY LABELED. LABELING SHOULD INCLUDE IDENTIFICATION DETAILS CORRESPONDING TO ALL TEST LEAD TERMINATIONS INCLUDING BUT NOT LIMITED TO PIPELINE DETAILS, REFERENCE CELLS, AND TEST LEADS.
11. EXISTING SVWRF TEST STATIONS CALLED OUT IN TEST STATION SCHEDULE TO BE REMOVED SHALL BE DISPOSED OF PER SVWRF DIRECTION.

CATHODIC PROTECTION

1. SEE CPS SITE PLAN OVERVIEWS FOR GENERAL LOCATION OF CATHODIC PROTECTION TEST STATIONS.
2. APPROXIMATE GROUNDBED LOCATIONS SHOWN FOR TEST STATIONS 1, 8, 9, 14, 15, 16, 17, AND 32.
3. CATHODIC PROTECTION INSTALLATIONS SHALL BE ORIENTED AS SHOWN ON THE DRAWINGS. MODIFICATION TO THE INSTALLATIONS SHALL BE APPROVED BY THE OWNER AND ENGINEER.
4. CONTRACTOR SHALL USE SVWRF APPROVED AND SPECIFIED EXCAVATION METHODS.
5. INSTALL MAGNESIUM ANODES HORIZONTALLY OR VERTICALLY, AT PIPE SPRINGLINE, AND PARALLEL TO THE PIPELINE UNLESS SPECIFIED OTHERWISE.
6. MAGNESIUM ANODES MAY BE INSTALLED VERTICALLY WHERE SPACE IS LIMITED AND AS APPROVED BY THE OWNER AND ENGINEER.
7. ANODES MAY BE PLACED ON EITHER SIDE OF TEST STATION OR PIPE AS REQUIRED FOR CONSTRUCTION, OR AS APPROVED BY THE ENGINEER.
8. REMOVE ANODE FROM PLASTIC PACKAGING BEFORE INSTALLATION.
9. ENSURE ANODES ARE NOT IN CONTACT WITH ANY BELOW GRADE STRUCTURES.
10. AFTER ANODE INSTALLATION, BACKFILL TO 1-FOOT OVER THE ANODES, WATER ANODES WITH 5 GALLONS OF WATER PER ANODE, IF SOILS ARE DRY AS DETERMINED BY THE ENGINEER.

PROFESSIONAL ENGINEER
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		NO.	DATE	ISSUE/REVISION	BY	APVD
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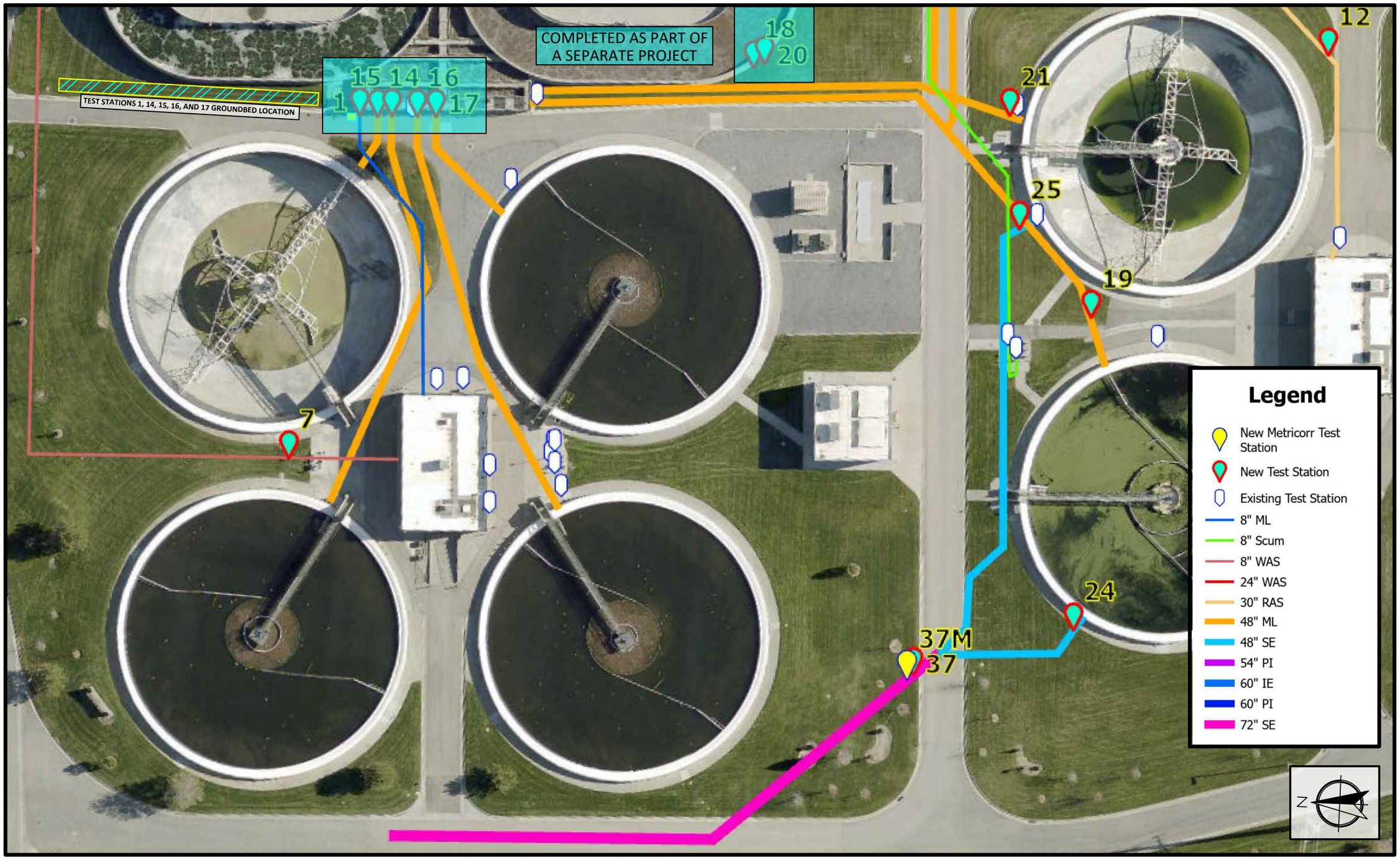
DR	ZGS					
CHK	ESL					
APVD	ESL					

Infinity Corrosion GROUP, INC.
Corrosion Engineers

SVWRF CATHODIC PROTECTION

South Valley WATER RECLAMATION FACILITY
carollo

SHEET	2 OF 8
DWG	CP2
DATE	2026-05-12
CONTRACT	SVWRF-009



SITE OVERVIEW 1

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DSGN	ESL					
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CHK	ESL					
APVD	ESL	NO.	DATE	ISSUE/REVISION	BY	APVD

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SVWRF CATHODIC PROTECTION

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SHEET	3 OF 8
DWG	CP3
DATE	2026-05-12
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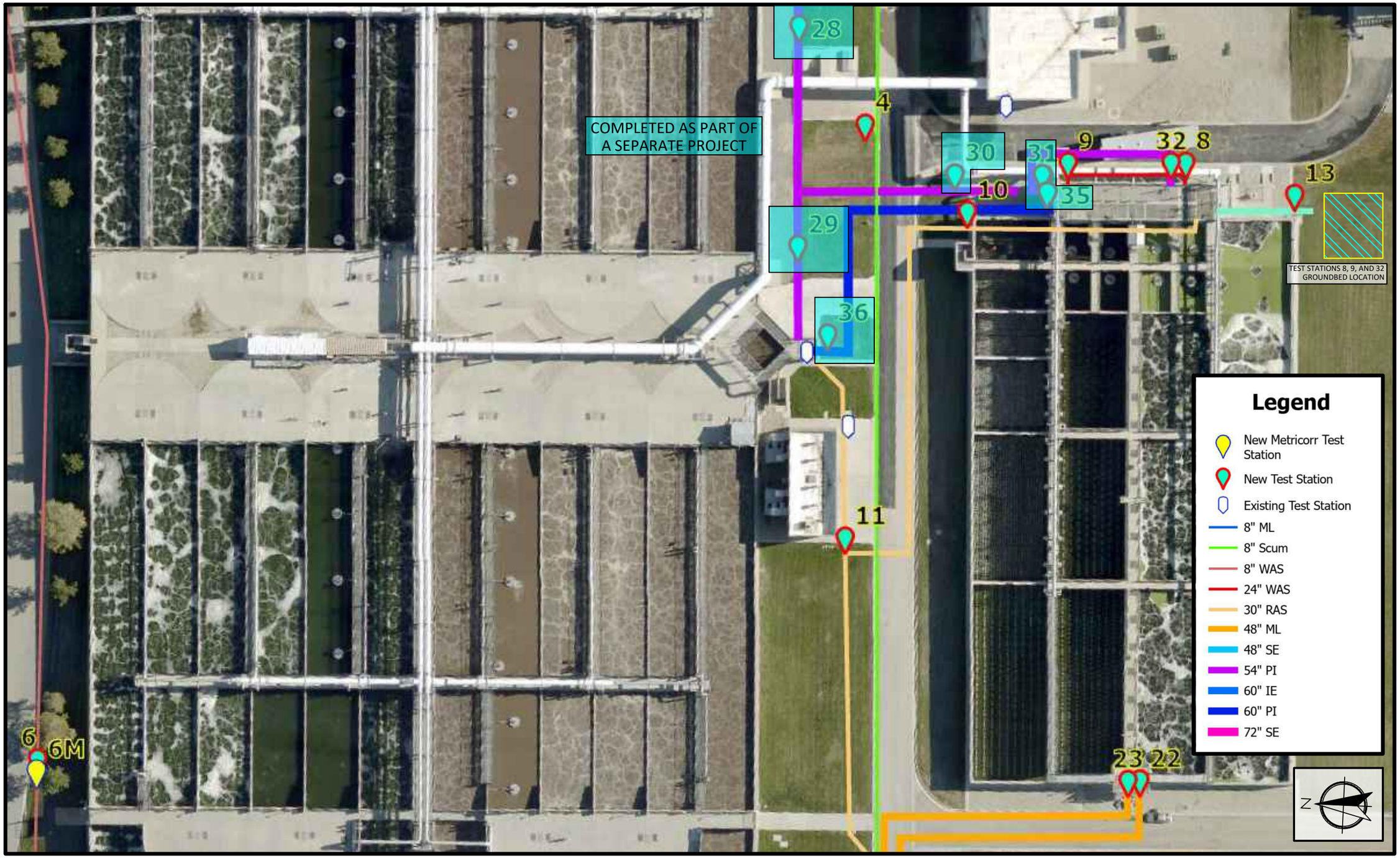

SITE OVERVIEW 2

PROFESSIONAL ENGINEER
2026-05-12
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		NO.	DATE	ISSUE/REVISION	BY	APVD
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DR	ZGS					
CHK	ESL					
APVD	ESL					

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SVWRF CATHODIC PROTECTION

South Valley WATER RECLAMATION FACILITY
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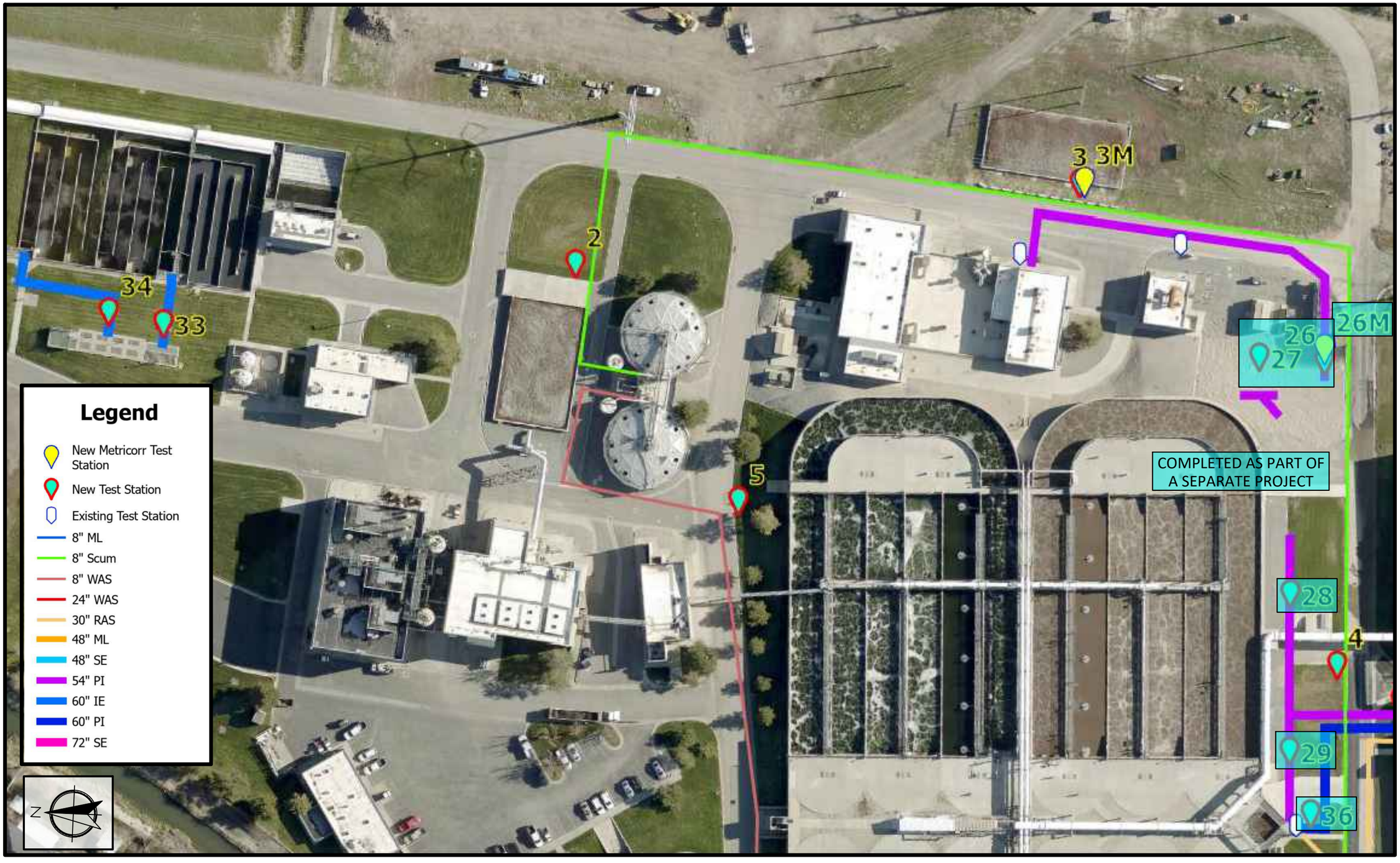
SHEET	4 OF 8
DWG	CP4
DATE	2026-05-12
CONTRACT	SVWRF-009



SITE OVERVIEW 3

PROFESSIONAL ENGINEER
2026-05-12
No. 5043798
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DSGN	ESL					
DR	ZGS					
CHK	ESL					
APVD	ESL	NO.	DATE	ISSUE/REVISION	BY	APVD

Infinity Corrosion GROUP, INC.
Corrosion Engineers

SVWRF CATHODIC PROTECTION

South Valley WATER RECLAMATION FACILITY
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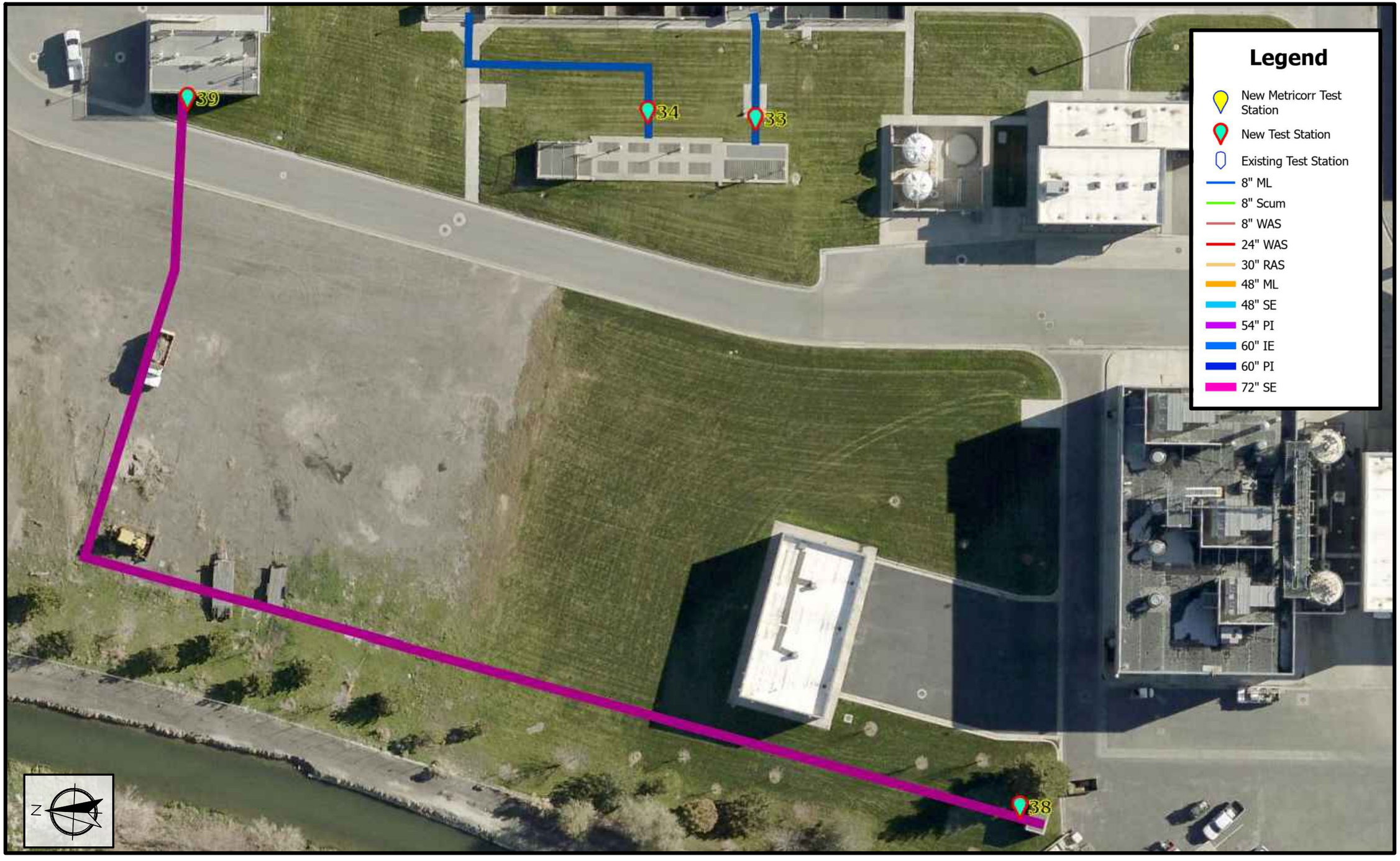
SHEET	5 OF 8
DWG	CP5
DATE	2026-05-12
CONTRACT	SVWRF-009



SITE OVERVIEW 4

PROFESSIONAL ENGINEER
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DSGN	ESL					
DR	ZGS					
CHK	ESL					
APVD	ESL	NO.	DATE	ISSUE/REVISION	BY	APVD

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SVWRF CATHODIC PROTECTION

South Valley WATER RECLAMATION FACILITY
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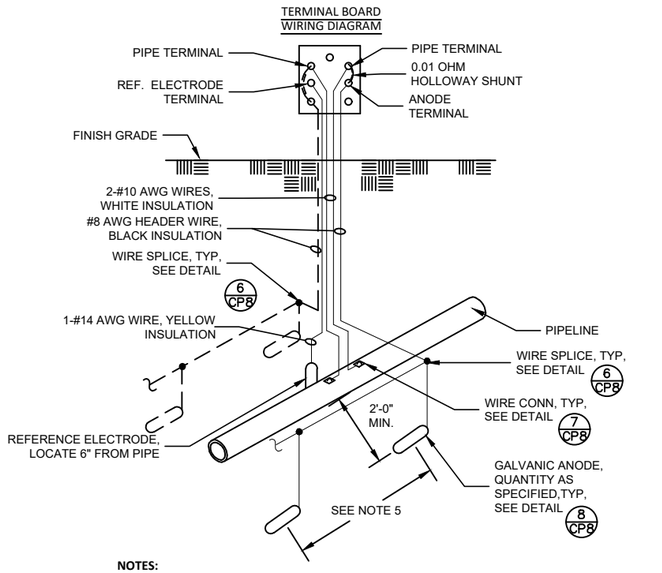
SHEET	6 OF 8
DWG	CP6
DATE	2026-05-12
CONTRACT	SVWRF-009



NOTES:

1. SEE POST OR FLUSH MOUNTED TEST STATION DETAILS AS APPLICABLE FOR TEST STATION STYLE REQUIRED. SEE DETAILS 3/CP7 4/CP7
2. INSTALL AND LABEL EACH TEST LEAD IN TEST STATION.
3. NOT ALL TEST WIRES SHOWN FOR CLARITY. FOR TERMINAL BOARD LAYOUT, SEE DETAIL 5/CP7
4. SEE TABLE 1-CP TEST STATION SCHEDULE FOR TYPE, STYLE, AND QUANTITY OF ANODES.
5. ANODES INSTALLED HORIZONTALLY SHALL BE INSTALLED AT 8 FEET ON CENTER, TYP (O.C.)

TYPE "A" TEST STATION 1

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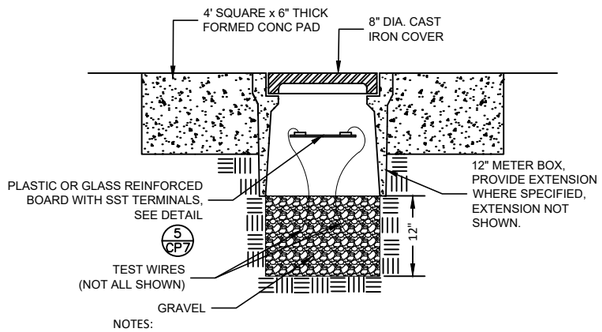

NOTES:

1. COLOR CODE WIRE INSULATION AS SHOWN IN APPLICABLE TEST STATION DETAILS, CONNECT EACH TEST WIRE TO SEPARATE TERMINAL.
2. WIRE CONFIGURATION FOR FLUSH MOUNTED TEST STATIONS SIMILAR TO POST MOUNTED TEST STATIONS.
3. PROVIDE 18 INCHES SLACK IN TEST WIRES, MINIMUM.
4. GRAVEL TO BE INSTALLED FROM BOTTOM BASE OF METER BOX AN ADDITIONAL 12 INCHES.

FLUSH MOUNT TEST STATION BOX 4

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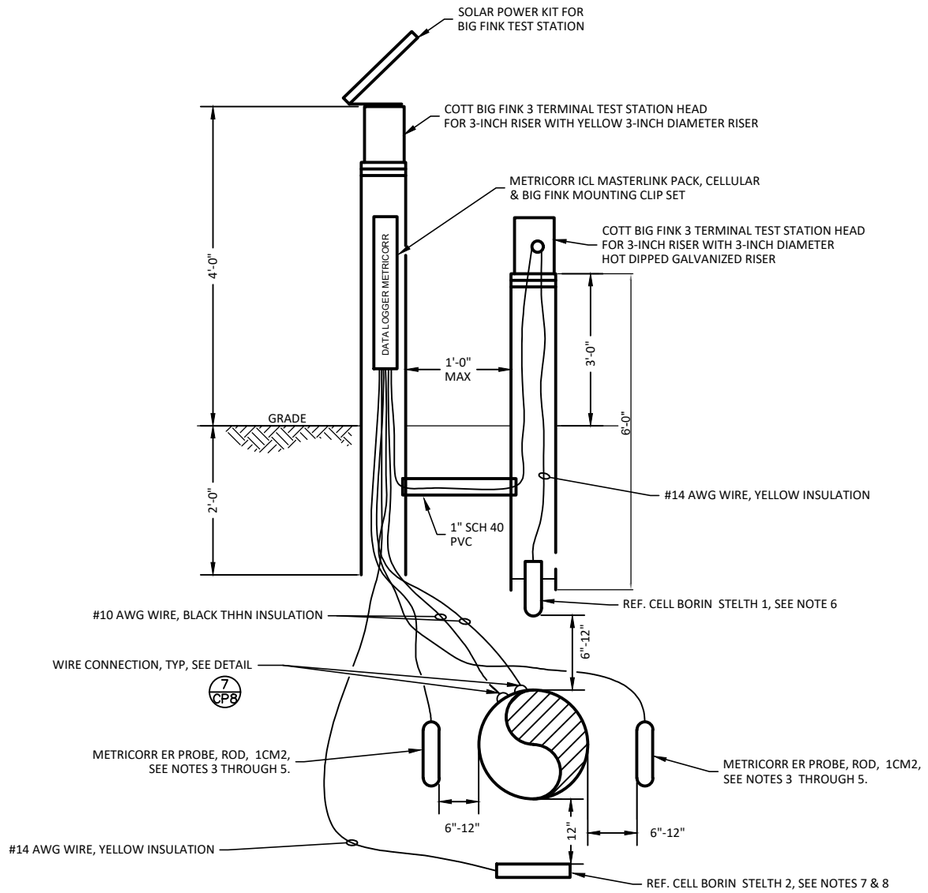

NOTES:

1. INSTALL WHERE INDICATED ON DRAWINGS.
2. ABOVE GRADE MATERIALS TO BE INSTALLED OUTSIDE HARD SURFACE OF ROAD. SEE DETAIL 10/CP8

2.1. CABLES TO BE PLACED IN CONDUIT WHEN TEST STATION IS PLACED 5-FEET OR MORE AWAY FROM PIPELINE.

3. ER PROBE WIRE MUST REMAIN THE LENGTH PROVIDED BY MANUFACTURER.
4. ER PROBE TO BE SAME MATERIAL AS PIPE BEING MONITORED.
5. ER PROBE TO BE PLACED ON EITHER SIDE OF THE PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. LABEL WIRES TO DISTINGUISH WHICH SIDE IT IS ON.
6. LABEL REFERENCE CELL WIRES.
7. REFERENCE CELL MAY BE PLACED ABOVE PIPE, BUT AT LEAST 12" AWAY FROM ER PROBES OR OTHER REFERENCE CELL.
8. WHEN POSSIBLE, FACE SOLAR PANEL SOUTH AND ENSURE NO TREES OR FOREIGN STRUCTURES WILL INTERFERE WITH DIRECT SUNLIGHT.
9. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR WIRES TERMINATION INSIDE OF TEST STATION.
10. WHERE THE PROTECTED PIPE HAS AN EXTERIOR MORTAR COATING, CORROSION COUPONS SHALL BE CAST IN PORTLAND CEMENT, COVERING COUPON WITH 0.5" TO 0.75" OF CEMENT.
11. LEAVE ENOUGH SLACK IN CABLES TO FACILITATE COMPLETE REMOVAL OF METRICORR DATALOGGER FROM TEST STATION POST.

METRICORR SLIMLINE ICL TEST STATION 2

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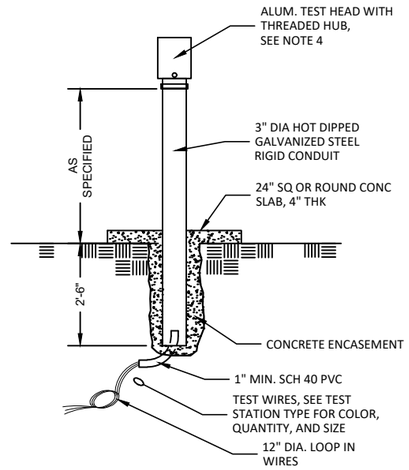
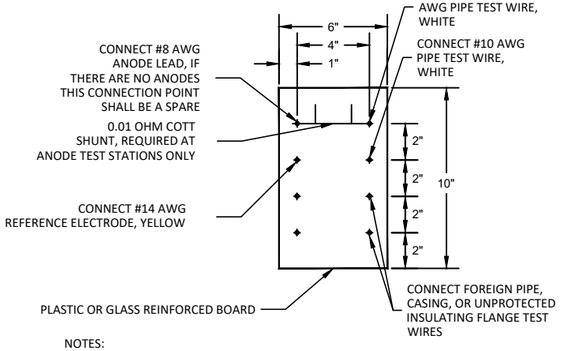


NOTES:

1. QUANTITY OF TERMINALS AND WIRING CONNECTIONS VARIES, SEE APPLICABLE TEST STATION DETAILS FOR TYPE OF TEST STATION.
2. PROVIDE WIRE LOOP AT BASE OF POST MOUNTED TEST STATION TO MINIMIZE SETTLEMENT STRESSES ON WIRE.
3. INSTALL TESTOX SERIES 707 TEST STATION UNLESS SPECIFIED OTHERWISE.
4. CORROSION RESISTANT TAPE WRAP TO BE APPLIED TO BURIED SECTION OF GALVANIZED STEEL POST. EXTEND TAPE TO 6" ABOVE GROUND.

POST MOUNTED, GALVANIZED STEEL POST 3

NTS



NOTES:

1. TERMINAL BOARD LAYOUT FOR REFERENCE ONLY AND MAY BE DIFFERENT ON PHYSICAL BOARD.
2. TERMINALS SHALL BE 1/4" STAINLESS STEEL WITH LOCKING WASHER, TWO FLAT WASHERS, AND DOUBLE NUTS.
3. ALL WIRE CONNECTIONS TO BE WITH RING TONGUE COMPRESSION TERMINALS.
4. INSTALL AND LABEL EACH TEST LEAD IN TEST STATION.
5. TEST WIRES NOT SHOWN FOR CLARITY.

TERMINAL BOARD LAYOUT 5

NTS

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SVWRF CATHODIC PROTECTION

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SHEET	7 OF 8
DWG	CP7
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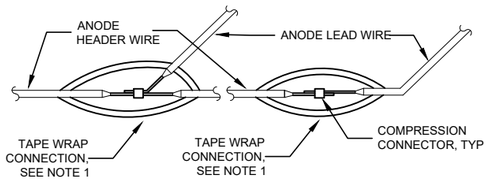
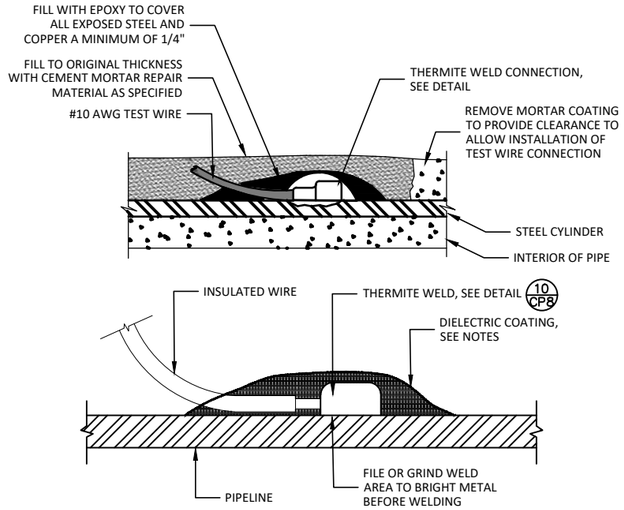


NOTES:
1. FILL VOIDS AND IRREGULARITIES WITH INSULATING PUTTY, WRAP CONNECTION WITH TWO LAYERS OF SCOTCH 130C SELF VULCANIZING RUBBER TAPE AND TWO LAYERS OF SCOTCH 88 VINYL ELECTRICAL TAPE.
2. DETAIL SIMILAR FOR ANODE HEADER WIRE SPLICES, SIZE COMPRESSION CONNECTORS AS REQUIRED.

GALVANIC ANODE WIRE SPLICES 6

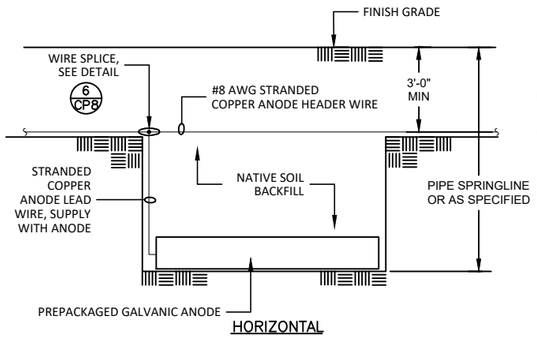
NTS



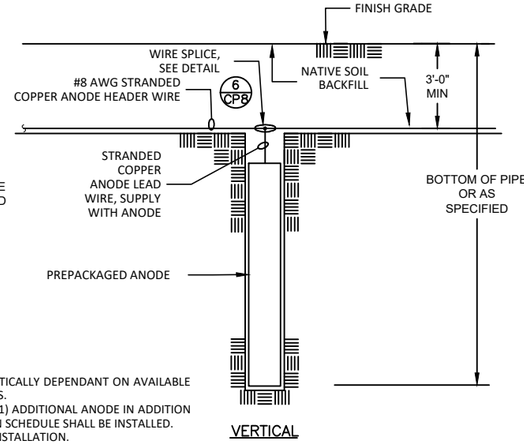
NOTES:
1. COPPER SLEEVE REQUIRED FOR #2 AWG JOINT BONDS OR FOR #12 AWG OR SMALLER TEST WIRES.
2. WELDER AND CARTRIDGE SIZE VARIES ACCORDING TO PIPE SIZE AND PIPE MATERIAL, CONSULT WELDER MANUFACTURER FOR RECOMMENDED WELDER AND CARTRIDGE
3. COAT ALL THERMITE WELDS, PIPE, AND EXPOSED COPPER WIRE WITH DENSO PROTAL (7125, 7200, 7300) OR COATING SYSTEM AS SPECIFIED.
4. PIPELINE COATING NOT SHOWN FOR CLARITY.

STEEL AND DUCTILE IRON PIPE WIRE CONNECTION 7

NTS



HORIZONTAL

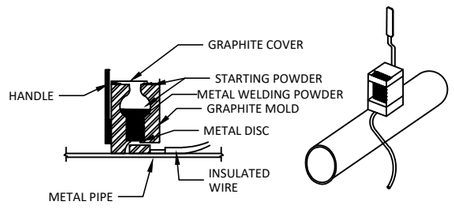


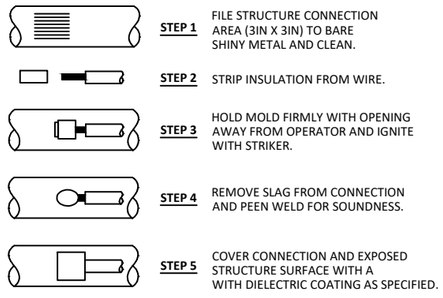
VERTICAL

NOTES:
1. ANODES TO BE INSTALLED HORIZONTALLY OR VERTICALLY DEPENDANT ON AVAILABLE SPACE TO INSTALL SPECIFIED QUANTITY OF ANODES.
2. WHEN ANODES ARE INSTALLED VERTICALLY, ONE (1) ADDITIONAL ANODE IN ADDITION TO THE NUMBER CALLED OUT IN THE TEST STATION SCHEDULE SHALL BE INSTALLED.
3. ANODES INCLUDE AN ATTACHED LEAD WIRE FOR INSTALLATION.
4. INSTALL ANODES A MINIMUM OF 4 FEET BELOW FINISH GRADE.
5. REMOVE ANODE FROM PLASTIC BEFORE INSTALLATION.
6. ENSURE ANODES ARE NOT IN CONTACT WITH ANY OTHER BELOW GRADE STRUCTURES.
7. AFTER ANODE INSTALLATION, BACKFILL TO 1-FOOT OVER THE ANODES, WATER ANODES WITH 5 GALLONS OF WATER PER ANODE, IF SOILS ARE DRY AS DETERMINED BY THE ENGINEER.
8. WHEN POSSIBLE, PLACE ANODES WITHIN MOIST LOAM AND CLAY SOIL. AVOID PLACEMENT OF ANODES WITHIN DRY SAND AND DO NOT PLACE WITHIN GRAVEL.

GALVANIC ANODE INSTALLATION 8

NTS

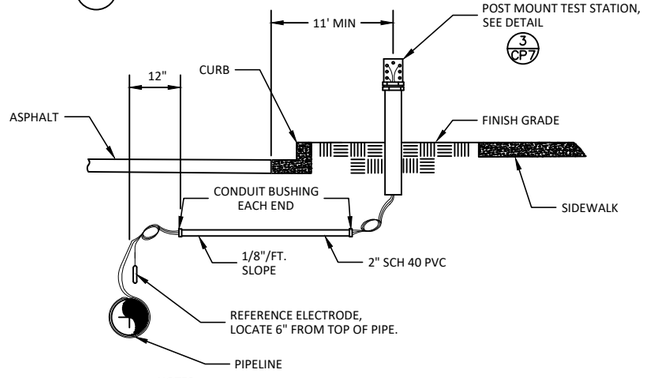




EXOTHERMIC WELD PROCEDURE 9

NTS

EXOTHERMIC WELD NOTES:
1. ONE WELD SHALL BE USED FOR EACH.
2. CLEAN OILY OR GREASY CABLE WITH A RAPID-DRYING SOLVENT. REMOVE ONLY ENOUGH INSULATION FROM THE CABLE TO ALLOW THE EXOTHERMIC WELD CONNECTION TO BE MADE.
3. REMOVE ALL COATING, DIRT, GRIME, AND GREASE FROM THE METAL STRUCTURE AT WELD LOCATIONS BY WIRE BRUSHING AND/OR USE OF SUITABLE SAFE. SOLVENTS. CLEAN THE STRUCTURE TO A BRIGHT, SHINY SURFACE FREE OF ALL SERIOUS PITS AND FLAWS. THE AREA OF THE STRICTURE WHERE THE ATTACHMENT IS TO BE MADE MUST BE DRY.
4. OPEN WELD MOLD AND PLACE METAL DISC INSIDE AT BOTTOM OF MOLD, POUR METAL WELDING POWDER INTO MOLD AND ON TOP OF METAL DISC. STARTING POWDER IS CAKED AT THE BOTTOM OF THE WELD CHARGE CONTAINER. TAP WELD CHARGE CONTAINER AND POUR HALF OF STARTING POWDER INTO WELD MOLD. CLOSE THE TOP OF WELD MOLD AND POUR THE REMAINING STARTING POWDER IN STRIKING HOLE. THE WELD MOLD IS NOW LOADED AND READY FOR USE.
5. PROVIDE PREFABRICATED FACTORY SLEEVES WHERE REQUIRED BY THERMITE WELDING MANUFACTURER.
6. THE LEAD WIRE IS TO BE HELD AT AN ANGLE TO THE SURFACE WHEN WELDING. ONLY ONE WIRE SHALL BE ATTACHED WITH EACH WELD. HOLD LOADED WELD MOLD FIRMLY ON PIPE AND WIRE. IGNITE STARTING POWDER IN STRIKING HOLE USING A STRIKER. HOLD WELD MOLD FIRMLY AGAINST PIPE FOR 5 SECONDS TO ALLOW FOR WELD PROCESS.
7. WELDS SHALL BE TESTED BY STRIKING THE WELD NUGGET WITH A TWO POUND HAMMER WHILE PULLING FIRMLY ON THE WIRE. ALL UNSOUND WELDS SHALL BE REMOVED, THE SURFACES RECLEANED, REWELDED, AND RETESTED. WELD SLAG SHALL BE REMOVED.
8. APPLY DIELECTRIC COATING AS SHOWN AND SPECIFIED TO WELD AND ALL EXPOSED AREAS SURROUNDING WELD.



NOTES:
1. FILL BOTH ENDS OF CONDUIT WITH DUCT PUTTY.
2. ALL WIRES WILL BE SPLICED USING THE SAME COLOR CODE AS EXISTING WIRES, AND THE SAME TYPE WIRE.

TEST STATION OFFSET 10

NTS

PROFESSIONAL ENGINEER
2026-05-12
No. 5043798
ERIK SCOTT
LLEWELLYN
STATE OF UTAH

DSGN	ESL					
DR	ZGS					
CHK	ESL					
APVD	ESL	NO.	DATE	ISSUE/REVISION	BY	APVD

Infinity Corrosion GROUP, INC.
Corrosion Engineers

SVWRF CATHODIC PROTECTION

South Valley WATER RECLAMATION FACILITY
carollo

SHEET	8 OF 8
DWG	CP8
DATE	2026-05-12
CONTRACT	SVWRF-009