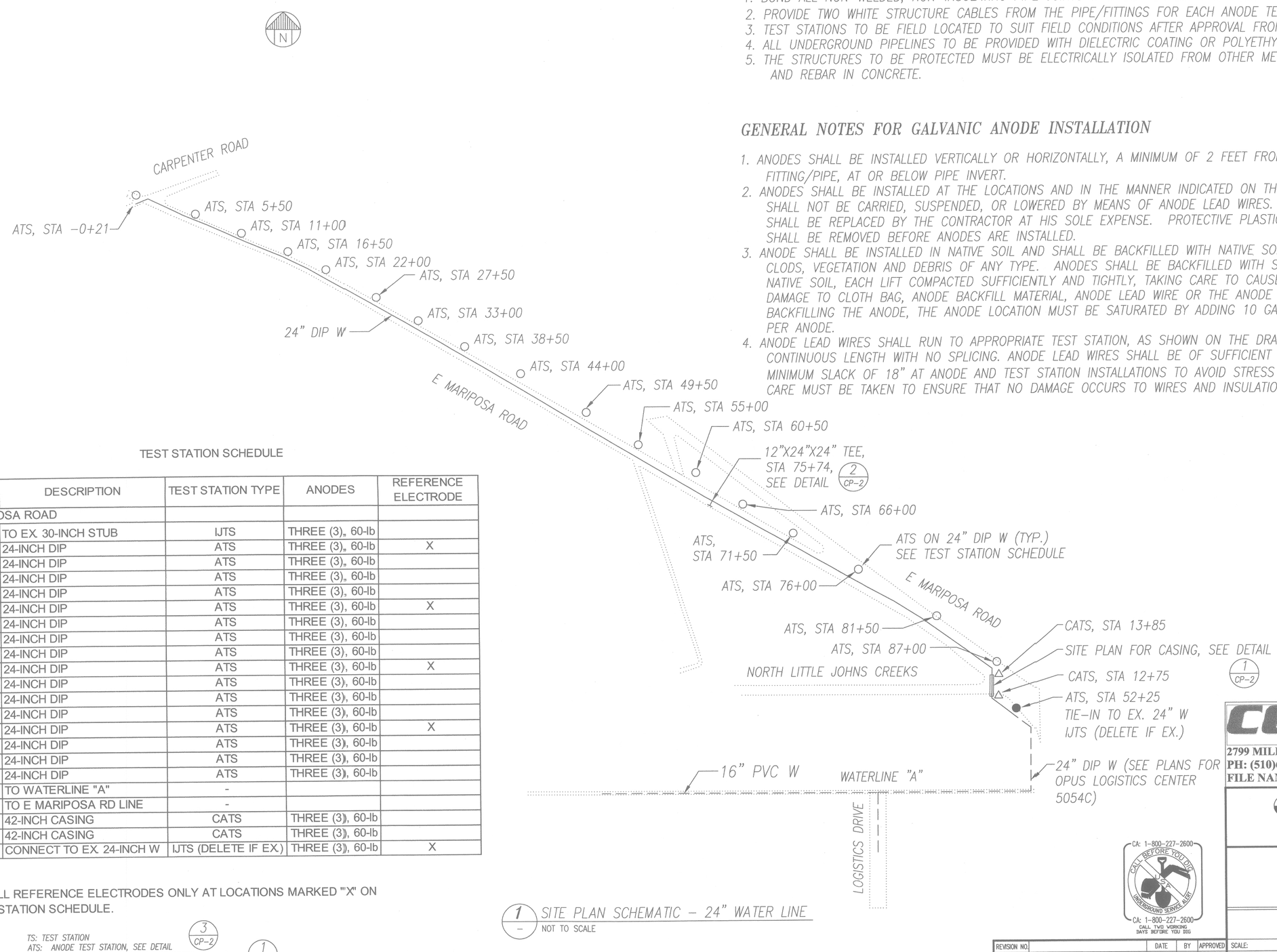
GENERAL NOTES:

1. BOND ALL NON-WELDED, NON-INSULATING PIPE JOINTS WITH COPPER BOND CABLES.
2. PROVIDE TWO WHITE STRUCTURE CABLES FROM THE PIPE/FITTINGS FOR EACH ANODE TEST STATION.
3. TEST STATIONS TO BE FIELD LOCATED TO SUIT FIELD CONDITIONS AFTER APPROVAL FROM ENGINEER.
4. ALL UNDERGROUND PIPELINES TO BE PROVIDED WITH DIELECTRIC COATING OR POLYETHYLENE ENCASEMENT.
5. THE STRUCTURES TO BE PROTECTED MUST BE ELECTRICALLY ISOLATED FROM OTHER METALLIC STRUCTURES AND REBAR IN CONCRETE.

GENERAL NOTES FOR GALVANIC ANODE INSTALLATION

1. ANODES SHALL BE INSTALLED VERTICALLY OR HORIZONTALLY, A MINIMUM OF 2 FEET FROM THE METALLIC FITTING/PIPE, AT OR BELOW PIPE INVERT.
2. ANODES SHALL BE INSTALLED AT THE LOCATIONS AND IN THE MANNER INDICATED ON THE DRAWINGS. ANODES SHALL NOT BE CARRIED, SUSPENDED, OR LOWERED BY MEANS OF ANODE LEAD WIRES. DAMAGED ANODES SHALL BE REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE. PROTECTIVE PLASTIC OR PAPER COVERING SHALL BE REMOVED BEFORE ANODES ARE INSTALLED.
3. ANODE SHALL BE INSTALLED IN NATIVE SOIL AND SHALL BE BACKFILLED WITH NATIVE SOIL FREE OF ROCKS, CLODS, VEGETATION AND DEBRIS OF ANY TYPE. ANODES SHALL BE BACKFILLED WITH SIX INCH LIFTS OF NATIVE SOIL, EACH LIFT COMPACTED SUFFICIENTLY AND TIGHTLY, TAKING CARE TO CAUSE NO PUNCTURES OR DAMAGE TO CLOTH BAG, ANODE BACKFILL MATERIAL, ANODE LEAD WIRE OR THE ANODE ITSELF. AFTER BACKFILLING THE ANODE, THE ANODE LOCATION MUST BE SATURATED BY ADDING 10 GALLONS OF FRESH WATER PER ANODE.
4. ANODE LEAD WIRES SHALL RUN TO APPROPRIATE TEST STATION, AS SHOWN ON THE DRAWINGS, IN ONE CONTINUOUS LENGTH WITH NO SPLICING. ANODE LEAD WIRES SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM SLACK OF 18" AT ANODE AND TEST STATION INSTALLATIONS TO AVOID STRESS DURING BACKFILLING. CARE MUST BE TAKEN TO ENSURE THAT NO DAMAGE OCCURS TO WIRES AND INSULATION.



1/– SITE PLAN SCHEMATIC – 24" WATER LINE
NOT TO SCALE

TEST STATION SCHEDULE

STA	DESCRIPTION	TEST STATION TYPE	ANODES	REFERENCE ELECTRODE
E MARIPOSA ROAD				
-0+21	TO EX. 30-INCH STUB	IJTS	THREE (3), 60-lb	
5+50	24-INCH DIP	ATS	THREE (3), 60-lb	X
11+00	24-INCH DIP	ATS	THREE (3), 60-lb	
16+50	24-INCH DIP	ATS	THREE (3), 60-lb	
22+00	24-INCH DIP	ATS	THREE (3), 60-lb	
27+50	24-INCH DIP	ATS	THREE (3), 60-lb	X
33+00	24-INCH DIP	ATS	THREE (3), 60-lb	
38+50	24-INCH DIP	ATS	THREE (3), 60-lb	
44+00	24-INCH DIP	ATS	THREE (3), 60-lb	
49+50	24-INCH DIP	ATS	THREE (3), 60-lb	X
55+00	24-INCH DIP	ATS	THREE (3), 60-lb	
60+50	24-INCH DIP	ATS	THREE (3), 60-lb	
66+00	24-INCH DIP	ATS	THREE (3), 60-lb	
71+50	24-INCH DIP	ATS	THREE (3), 60-lb	X
76+00	24-INCH DIP	ATS	THREE (3), 60-lb	
81+50	24-INCH DIP	ATS	THREE (3), 60-lb	
87+00	24-INCH DIP	ATS	THREE (3), 60-lb	
90+18	TO WATERLINE "A"	-		
54+50	TO E MARIPOSA RD LINE	-		
53+45	42-INCH CASING	CATS	THREE (3), 60-lb	
52+35	42-INCH CASING	CATS	THREE (3), 60-lb	
52+00	CONNECT TO EX. 24-INCH W	IJTS (DELETE IF EX.)	THREE (3), 60-lb	X

NOTES:
1. INSTALL REFERENCE ELECTRODES ONLY AT LOCATIONS MARKED "X" ON TEST STATION SCHEDULE.

TS: TEST STATION
ATS: ANODE TEST STATION, SEE DETAIL 3/CP-2
IJTS: DIELECTRIC ISOLATION JOINT TEST STATION, SEE DETAIL 1/CP-3
CATS: CASING ANODE TEST STATION, SEE DETAIL 4/CP-2

REGISTERED PROFESSIONAL ENGINEER — IAN MATHER — CR1141 — Expires 6/30/08 — CORROSION — STATE OF CALIFORNIA

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IMPROVEMENT PLANS
EAST MARIPOSA ROAD WATERLINE
CORROSION CONTROL PLANS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

REVISION NO.		DATE	BY	APPROVED

SCALE:	NONE
DESIGNED BY:	D.H.
DRAWN BY:	C.J.
CHECKED BY:	I.M.
RECORD DWG:	

APPROVED BY: DATE: 4/21/08
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. CP-1 OF 19 SHEETS
PROJECT NO. A07567

5085.15C