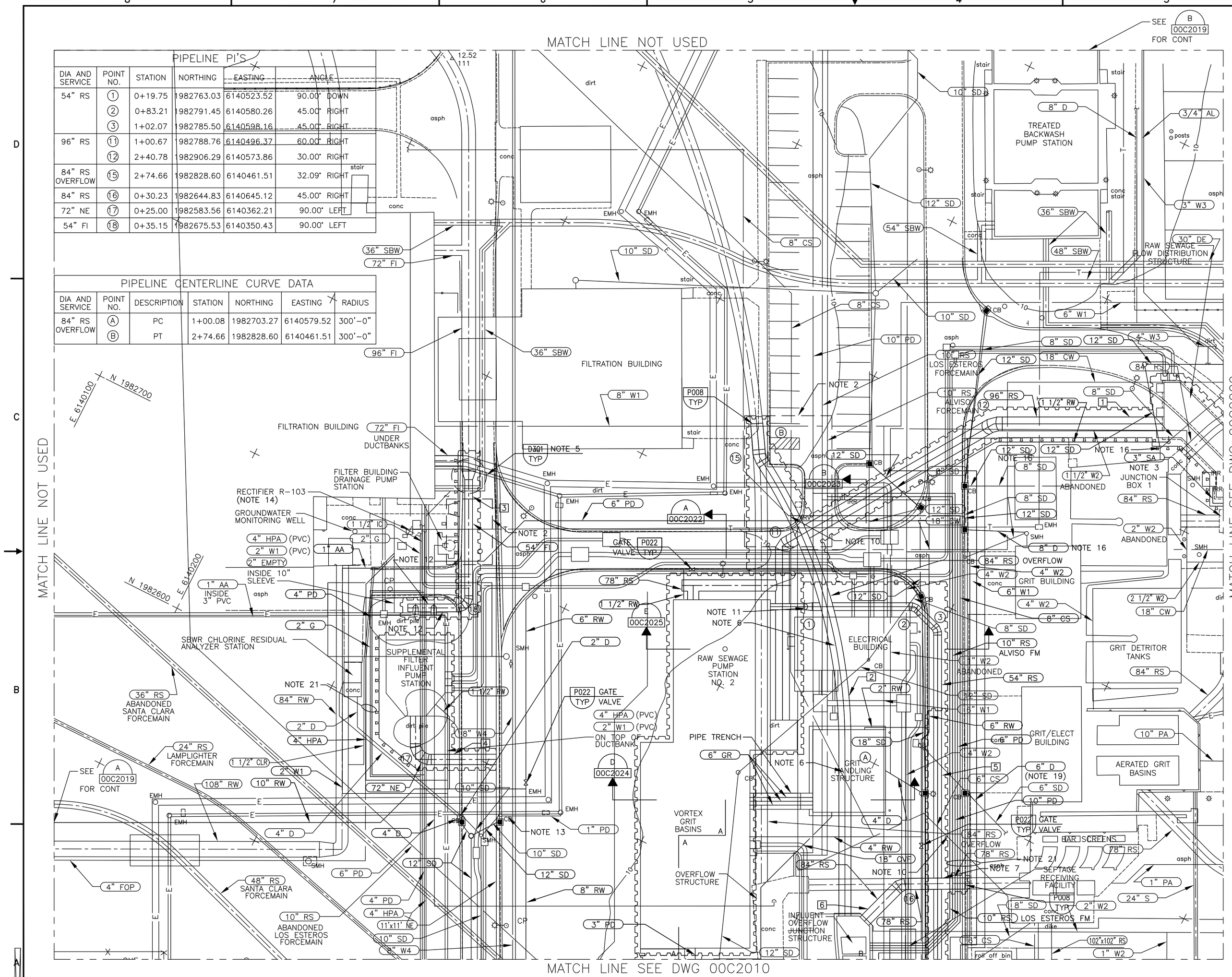

PIPELINE PI'S

DIA AND SERVICE	POINT NO.	STATION	NORTHING	EASTING	ANGLE
54" RS	1	0+19.75	1982763.03	6140523.52	90.00° DOWN
	2	0+83.21	1982791.45	6140580.26	45.00° RIGHT
	3	1+02.07	1982785.50	6140598.16	45.00° RIGHT
96" RS	11	1+00.67	1982788.76	6140496.37	60.00° RIGHT
	12	2+40.78	1982906.29	6140573.86	30.00° RIGHT
84" RS OVERFLOW	15	2+74.66	1982828.60	6140461.51	32.09° RIGHT
84" RS	16	0+30.23	1982644.83	6140645.12	45.00° RIGHT
72" NE	17	0+25.00	1982583.56	6140362.21	90.00° LEFT
54" FI	18	0+35.15	1982675.53	6140350.43	90.00° LEFT

PIPELINE CENTERLINE CURVE DATA

DIA AND SERVICE	POINT NO.	DESCRIPTION	STATION	NORTHING	EASTING	RADIUS
84" RS OVERFLOW	A	PC	1+00.08	1982703.27	6140579.52	300'-0"
	B	PT	2+74.66	1982828.60	6140461.51	300'-0"

LEGEND:

SHORING TYPE A

SHORING TYPE B

PIPELINE PROFILE

DIA AND SERVICE	PIPE NO.	PROFILE	DWG NO.
96" RS	1	C	00C2036
84" RS OVERFLOW	2	E	00C2038
54" FI	3	J	00C2040
72" NE	4	H	00C2040
54" RS	5	A	00C2031
84" RS	6	G	00C2039

NOTES:

1. SEE DEMOLITION DWGS FOR DEMOLITION WORK. SEE ELECTRICAL DWGS FOR DUCTBANK REMOVAL AND RELOCATION AND FOR NEW DUCTBANKS, MANHOLES, AND PULLBOXES.
2. ALL SOIL WITHIN THIS AREA SHALL BE CONSIDERED CONTAMINATED. FOLLOW ADDITIONAL REQUIREMENTS AS SPECIFIED IN SECTION 01800 FOR ALL CONTAMINATED MATERIAL WHETHER OR NOT LOCATED IN THESE AREAS.
3. INSTALL PIPE BELOW GROUND AS SHOWN AT INV EL 6.00. PROVIDE RISER ON END OF PIPE AND EXTEND TO 3' ABOVE FINISH GRADE. CAP END OF PIPE.
4. EXPOSE EXISTING PIPE TO VERIFY DIAMETER, MATERIAL, AND HORIZONTAL AND VERTICAL LOCATION OF EXISTING PIPE PRIOR TO ORDERING PIPE OR SUBMITTING LAYOUT DWGS FOR PIPE. THIS APPLIES TO ALL EXISTING PIPES TO BE RELOCATED OR OTHERWISE CONNECTED TO NEW PIPES. USE APPROPRIATE FITTING OR CONNECTION UNLESS OTHERWISE SPECIFICALLY NOTED. REROUTE ANY EXISTING UTILITIES NOT SHOWN ON THIS DWG THAT INTERFERE WITH NEW STRUCTURES, PIPING OR OTHER FACILITIES. FOR ADDITIONAL REROUTING OF UTILITIES ALONG PIPELINES, SEE PROFILE DWGS.
5. AFTER EXISTING PIPE IS DEWATERED, CUT OFF DISHED END OF TEE AND BUTT STRAP WELD ON MINIMUM 12" LONG PIECE OF 96" STEEL PIPE (PIPE AS SPECIFIED). BUTT WELD CON RED ONTO 96" PIPE AND 54" PIPE. WELD AS SPECIFIED. REPAIR ALL CEMENT MORTAR LINING AND COATING AS SPECIFIED. PROVIDE RESTRAINED FLEX COUPLINGS ON 54" PIPE WITH CENTER OF FIRST COUPLING AT 2'-0" FROM CON RED.
6. ENCASE PIPE PER TYPICAL DETAIL P040 AND AS SHOWN ON DWG 00C2023.
7. WHEREVER PIPES HAVE LESS THAN 2 FEET OF COVER (INCLUDING STORM DRAINS), PIPE BEDDING AND BACKFILL SHALL BE CDF. FOR AREAS WITH AC PAVING, EXTEND CDF UP TO UNDERSIDE OF AC PAVING. FOR AREAS WITH SOIL COVER, EXTEND CDF TO WITHIN 6" OF FINISH GRADE AND COVER WITH SOIL AS INDICATED ON THE DRAWINGS AND AS SPECIFIED.
8. FOR ABANDONED PIPES, REMOVE EXISTING PIPE AND CAP WITH APPROPRIATE FITTING AT EDGE OF EXCAVATION.
9. MINIMUM EXTENT AND APPROXIMATE LOCATION OF SHORING SHOWN. PROVIDE TYPE A OR TYPE B SHORING AS INDICATED AND AS SPECIFIED. CONTRACTOR SHALL DETERMINE EXTENT OF SHORING REQUIRED INCLUDING ADDITIONAL SHORING IF NECESSARY. COORDINATE LOCATION OF SHORING WITH EXISTING FACILITIES. DO NOT DAMAGE EXISTING FACILITIES.
10. CONNECT NEW 8" CS TO BOTH EXISTING 8" CS PIPES NEAR CROSSING OF NEW 96" RS. ALSO CONNECT NEW 8" CS TO EXISTING 6" CS NEAR EXISTING GRIT/ELECTRICAL BUILDING.
11. SEE DETAIL T/00C2016 FOR ENCASEMENT OF BOTTOM ELBOW.
12. SEE DETAIL U/00C2016 FOR ENCASEMENT OF TEES.
13. ROUTE EXISTING PIPE THROUGH NEW CURB WITH INVERT AT 2" ABOVE GUTTER FLOW LINE. REPLACE EXISTING PIPE IF DAMAGED.
14. VERIFY LOCATION WITH OWNER.
15. SEE PAVING AND GRADING DWGS FOR MORE INFORMATION REGARDING STORM DRAIN CATCH BASINS AND MANHOLES.
16. CONNECT TO EXISTING STORM DRAIN PIPING WITH COUPLING APPROPRIATE FOR PIPE DIAMETERS, TYPES OF PIPES, AND SERVICE. MATCH INVERT ELEVATIONS.
17. MAINTAIN MINIMUM 12" HORIZONTAL AND VERTICAL CLEARANCE BETWEEN PIPES WHERE NOT INDICATED UNLESS OTHERWISE REQUIRED.
18. NEW PD AND RS PIPING SHALL BE SLOPED FLAT OR UPWARDS AS MUCH AS POSSIBLE STARTING FROM CONNECTION TO EXISTING PIPING. IF ANY INTERMEDIATE HIGH POINTS ARE CREATED, PROVIDE APPROPRIATELY SIZED (MINIMUM 1") SEWAGE COMBINATION AIR VALVE. LOCATE VALVE ABOVE GROUND IN A LOCATION SUITABLE TO PREVENT INTERFERENCES. SUPPORT VALVE AS NECESSARY WITH TYPE 316 SST SUPPORTS. PROVIDE SCH 80 PVC DRAIN PIPE SIZED TO MATCH VALVE DRAIN AND ROUTE UNDERGROUND TO NEAREST CATCH BASIN WITH 1 PERCENT SLOPE.
19. PROVIDE SCH 80 PVC PIPE AND CONNECT PER NOTE 16.
20. IRRIGATION PIPING AND APPURTENANCES NOT SHOWN. REROUTE PIPING AND APPURTENANCES WHERE INTERFERES WITH NEW FACILITIES. WHERE NEW AC PAVING IS PROVIDED, REMOVE ANY EXISTING SPRINKLERS AND REROUTE PIPING AS REQUIRED. IN ALL OTHER LOCATIONS, REPLACE IN KIND ANY DAMAGED OR REMOVED PIPING AND APPURTENANCES. SEE SECTION 01140 FOR SHUTDOWN TIMES AND OTHER RESTRICTIONS.
21. FOR PIPES 4" DIAMETER AND SMALLER, INSTALL AT MINIMUM 12" SPACING (CENTER TO CENTER) UNLESS OTHERWISE INDICATED. FOR PIPES 6" DIAMETER AND LARGER, INSTALL AT MINIMUM 18" SPACING (CENTER TO CENTER) UNLESS OTHERWISE INDICATED OR REQUIRED. LOCATE 10" RS LOS ESTEROS FM AT APPROXIMATELY 5 FEET FROM 54" RS. LOCATE 6" W1 AT MINIMUM 11 FEET FROM 6" PF UNLESS OTHERWISE REQUIRED. LOCATE 2" W1 AT MINIMUM 11 FEET FROM 4" PD UNLESS OTHERWISE REQUIRED.
22. BURIED CONDUITS FOR STREET LIGHTING NOT SHOWN. VERIFY LOCATION OF BURIED CONDUITS PRIOR TO EXCAVATION AND INSTALLATION OF NEW FACILITIES AS NECESSARY.

carollo engineers

** ORIGINAL STAMPED BY ANTHONY F. FARINA **

ZONE	REV	DESCRIPTION	BY	DATE	APPRVD	REFERENCE DRAWING
		CONFORMED DOCUMENTS FOR CONSTRUCTION				
		CITY FILE NO.				

APPROVALS: DESIGN BY: AFF; DRAWN BY: KB; CHECKED BY: WCL; DATE: APRIL 2005

VERIFY SCALES: BAR IS ONE INCH ON ORIGINAL DRAWING (0 — 1"). IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

WPCP RELIABILITY IMPROVEMENTS PROJECT

JOB NO. 6475A.1A

CITY OF SAN JOSE — CAPITAL OF SILICON VALLEY
ENVIRONMENTAL SERVICES DEPARTMENT
SAN JOSE / SANTA CLARA WATER POLLUTION CONTROL PLANT

TITLE: CIVIL — YARD PIPING – PARTIAL PLAN 1

SIZE D | DWG. NO. 00C2008 | REV. 0A

SCALE: AS NOTED | SHEET SH. 66 OF 301

FILENAME: