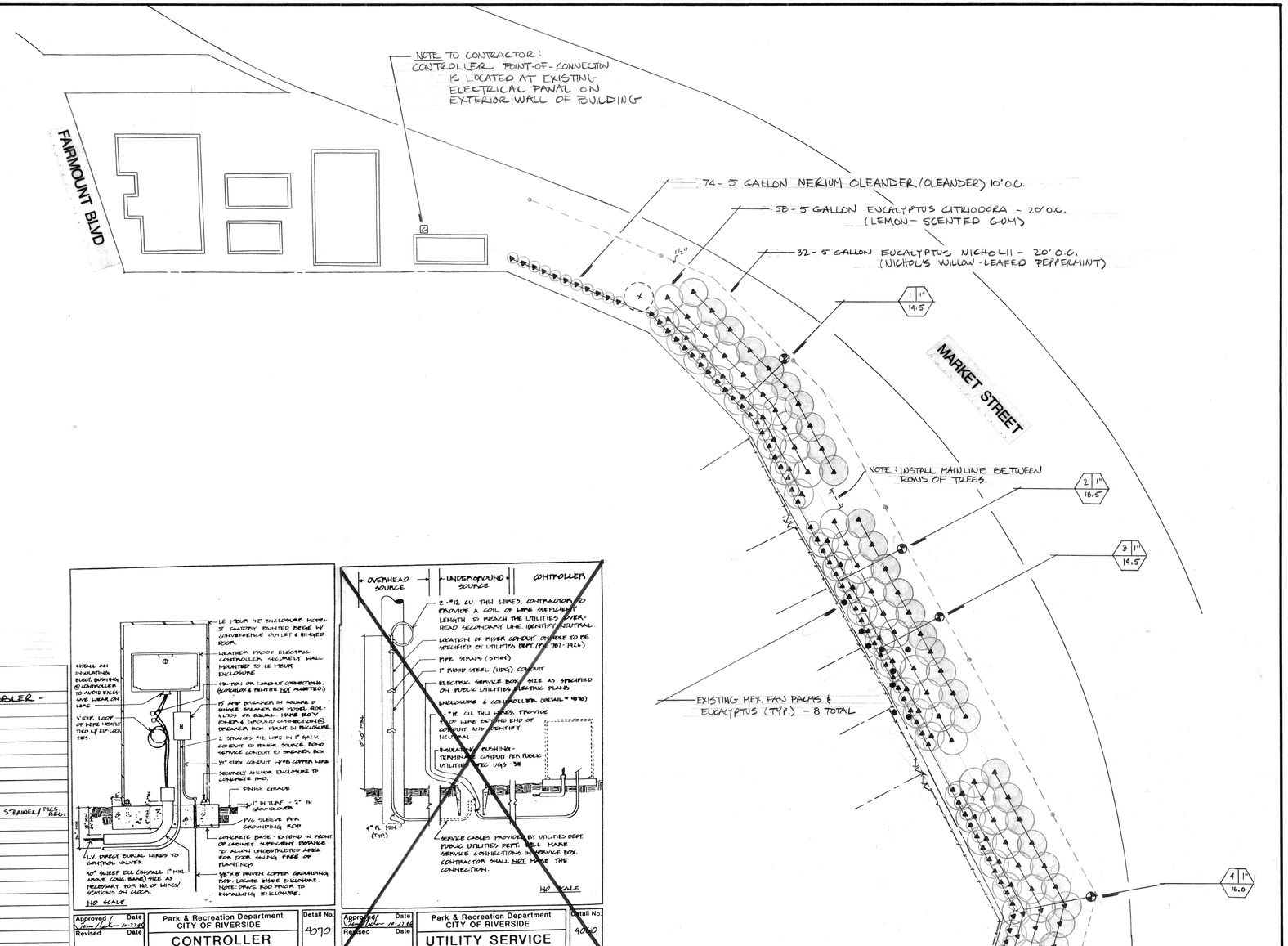
150023



IRRIGATION PIPE SIZING CHART:

SYSTEM WATER VOLUME SHALL NOT EXCEED 0 GALLONS PER MINUTE.
~~HEADS SHALL BE SPACED TO PROVIDE 100% HEAD-TO-HEAD DOUBLE COVERAGE.~~ LATERAL LINE PIPE SHALL BE SIZED AS FOLLOWS:
[FLOWS NOT TO EXCEED FIVE (5) FEET PER SECOND]

0 - 5 GPM: 1/2"
6 - 10 GPM: 3/4"
11 - 15 GPM: 1"
16 - 25 GPM: 1 1/4"
26 - 35 GPM: 1 1/2"
36 - 55 GPM: 2"
56 - 80 GPM: 2 1/2"

WATER VOLUME EMITTED PER HEAD TO BE USED IN SIZING OF LATERAL LINE PIPE SHALL BE PER MANUFACTURER'S SPECIFICATIONS.

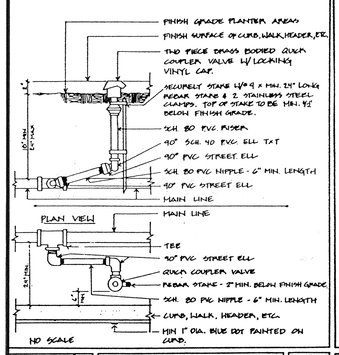
VALVE NUMBER
VALVE SIZE
GPM

IRRIGATION LEGEND

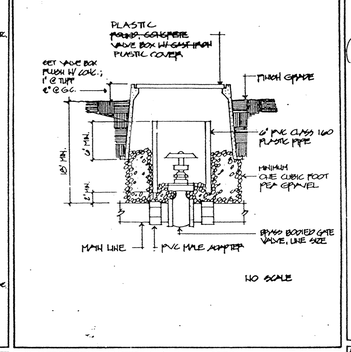
Symbol	Model	PSI	Radius	Pattern 360°	180°	90°	270°	120°	90°	Detail	Remarks
▲	RAINBIRD 1401										P.C. FLOOD BUBBLER - 2 PER TREE, 1 PER SHRUB
				.25							
	TORO 252 PLASTIC ELEC. VALVE, GLOBE TYPE									4030	
M	EXISTING 1½" WATER METER, # 33928-C										
	FEBCO 825Y 1½" REDUCED PRESSURE BACKFLOW PREVENTER									4011	W/WILKINS STORTER STRAINER/ PRES. REG.
C	RAINBIRD CONTROLLER, 6-STATION RS RC-7C									4077	
•	1" QUICK COUPLER - RB 44 LRC									4050	
⋈	NIBCO T-113 GATE VALVE									4020	
2 — 4	IRRIGATION MAINLINE - PVC SCH 40 1½"										
4 — 4	IRRIGATION LATERALS - CL 200										

Approved / Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
Revised / Date	CONTROLLER	4070

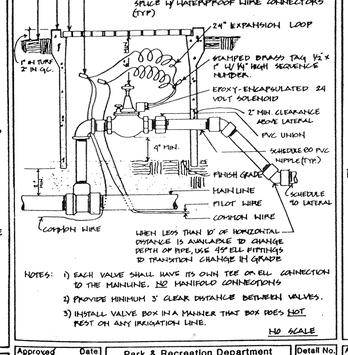
Approved / Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
Revised / Date	UTILITY SERVICE	4060



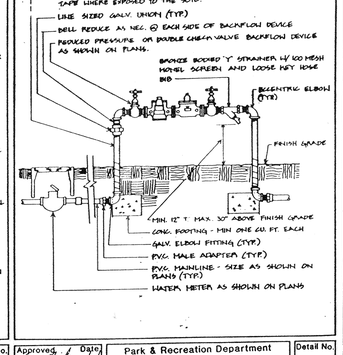
Approved / Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
Revised / Date	QUICK COUPLER	4050



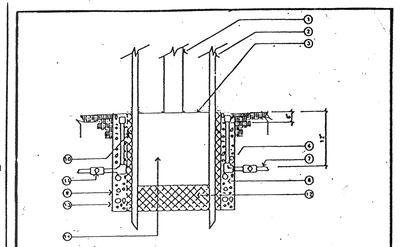
Approved / Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
Revised / Date	GATE VALVE	4020



Approved / Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
Revised / Date	AUTOMATIC VALVE	4030



Approved / Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
Revised / Date	REDUCED PRESSURE/DOUBLE CHECK VALVE BACKFLOW DEVICE	4011



LEGEND

1. TREE TRUNK
2. 2" LODGE POLE PINE STAKES
3. FINISH GRADE - 2" BELOW TOP OF WALK OR TREE GRATE AS PER PLAN
4. ~~REPLACE CONTAINER~~ WOOD BUBBLERS ON 1/2" DIA. SCH. 80 NIPPLES. LEAVE A 6" SPACE BELOW HEAD FOR MAINTENANCE
5. ~~EXISTING HARDSCAPE EDGE~~
6. 2 x T ELL
7. CL. 200 PVC LATERAL IRRIGATION LINE ~~THRU ROOT BARRIER - BORE EDGE~~
8. 4" DIAMETER X 30" LONG PERFORATED PVC DRAIN PIPE WITH 3/4" AGGREGATE, TOP WITH 4" DIAMETER PVC CAP - SCREW SIDES OF CAP TO PIPE IN 2 PLACES
9. TREE PLANTING PIT
10. PLANT TABLETS
11. TEE AROUND PERIMETER OF TREE WELL
12. NATIVE BACKFILL
13. ~~INSTALL ROOT BARRIER PER MFG. INSTRUCTIONS IN ERC TREE IS LESS THAN 5' FROM HARDSCAPE OR CURBING~~
14. ROOTBALL

NOTE: USE TEFLON TAPE ON ALL THREADED FITTINGS.

TREE BUBBLER "A"

0 20' 40' 80' 120' 160'
SCALE : 1" = 40'-0"

FAIRMOUNT PARK ARROYO
PLANTING & IRRIGATION PLAN

city of riverside
park & recreation
department
(714) 782-5223
3900 MAIN ST RIVERSIDE, CALIFORNIA 92522

revisions	by

date	6-14-93
design	RC
drawn	RC
check	
acc't.no.	
SHEET	1 of 1

BID No. 5056
P-0238