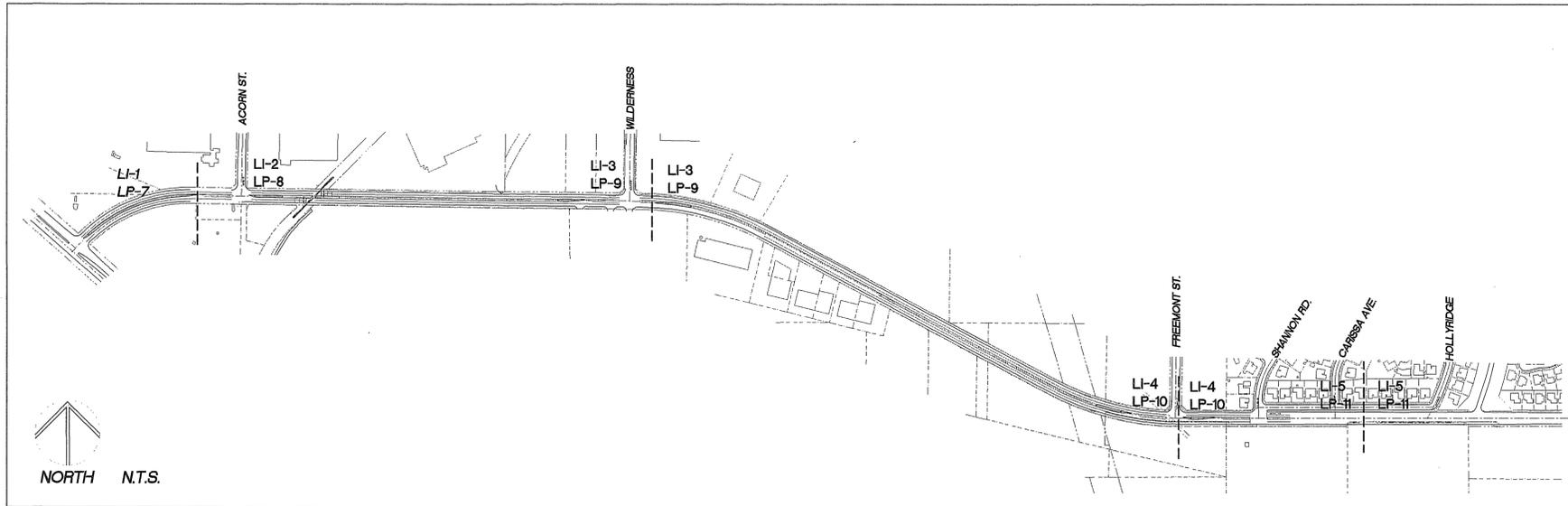


PROJECT:

CENTRAL AVENUE MEDIANS LANDSCAPE PLANS



CENTRAL AVENUE - SITE PLAN

GENERAL NOTES FOR PUBLIC LANDSCAPES

1. ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT STANDARDS AND SPECIFICATIONS FOR PLANTING AND IRRIGATION WORK. (SPECIFICATIONS SECTION 02441 AND 02480)

2. WHEN CALLING FOR INSPECTIONS CONTACT THE PARK PROJECTS INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE AT (909) 351-6254 TO SCHEDULE AN INSPECTION. A FIELD NOTICE WILL BE ISSUED AS WRITTEN APPROVAL FOR EACH STAGE OF INSPECTION. A VERBAL APPROVAL WILL NOT BE ACCEPTABLE. INSPECTIONS ARE REQUESTED PER THE STANDARD SPECIFICATIONS, AND INCLUDE BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING:

- A. AFTER COMPLETION OF FINAL GRADING OF THE MEDIAN WHEN ALL UTILITY SERVICES HAVE BEEN MARKED, BUT PRIOR TO INITIATING AND LANDSCAPE WORK WITHIN THE PUBLIC RIGHT OF WAY;
- B. AT TIME OF INSTALLATION OF IRRIGATION SLEEVES AND CONSTANT PRESSURE MAINLINES, BUT PRIOR TO BACK FILL OF TRENCHES FOR SAME (NOTE: MAINLINES MUST BE PRESSURE TESTED IN THE PRESENCE OF THE PARK PROJECTS INSPECTOR);
- C. AT TIME OF INSTALLATION OF VALVES, LATERALS AND HEADS;
- D. FOR SPOTTING OF ALL TREES PRIOR TO DIGGING PLANT PITS;
- E. WHILE DIGGING PLANT PITS AND PLANTING TREES;
- F. AFTER PLANTING AND ALL OTHER INDICATED OR SPECIFIED WORK HAS BEEN COMPLETED, FOR START OF MAINTENANCE;
- G. AT SUBSTANTIAL COMPLETION OF THE PROJECT FOR CITY'S ACCEPTANCE TO START THE REQUIRED MAINTENANCE PERIOD;
- H. AT THE END OF THE MAINTENANCE PERIOD, THE CONTRACTOR/DEVELOPER SHALL CALL THE PARK PROJECTS INSPECTOR FOR A FINAL ACCEPTANCE INSPECTION IN ORDER TO BE RELEASED FROM MAINTENANCE. CONTRACTOR'S BONDS WILL NOT BE RELEASED UNTIL AFTER RECEIPT OF WRITTEN NOTIFICATION FROM THE CITY THAT THE PROJECT HAS PASSED FINAL INSPECTION AND THE PARK AND RECREATION DEPARTMENT HAS ACKNOWLEDGED IN WRITING THE ASSUMPTION OF MAINTENANCE RESPONSIBILITIES.

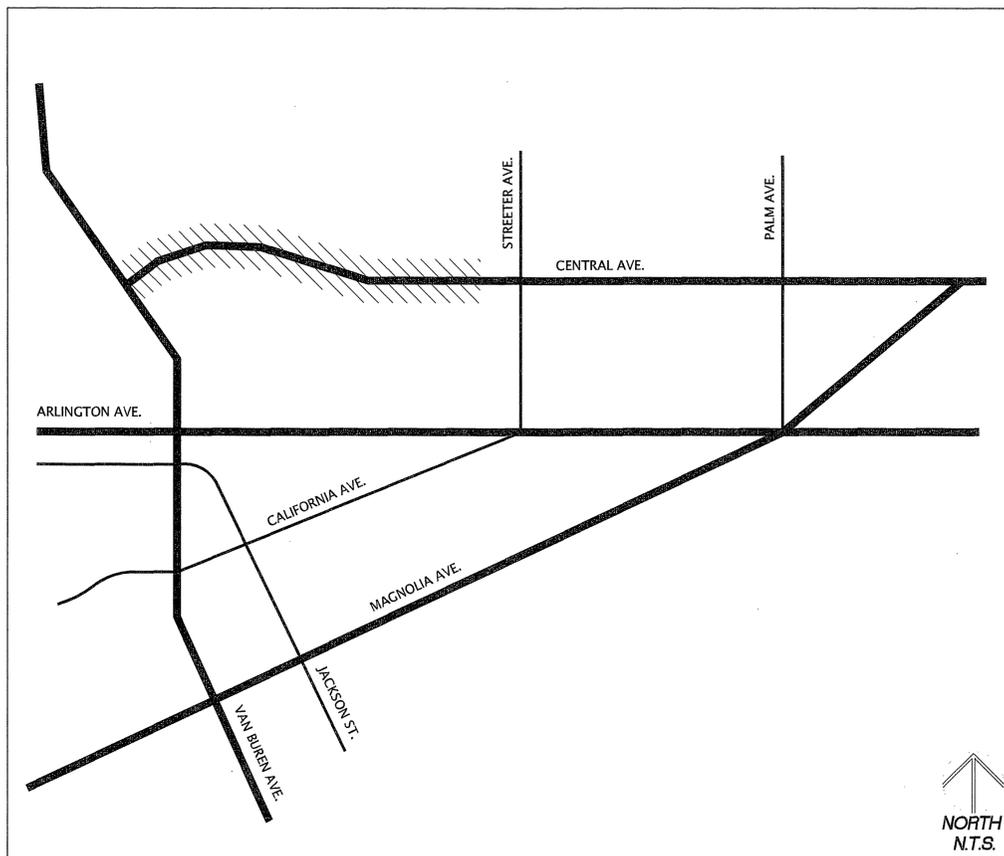
3. A PUBLIC LANDSCAPE PERMIT AS ISSUED BY THE PARKS AND RECREATION DEPARTMENT IS REQUIRED. PERMIT COSTS TO BE PAID BY THE PUBLIC WORKS DEPARTMENT AND PERMIT WILL BE ISSUED AT NO COST TO THE CONTRACTOR.

NOTE: IN THE INTEREST OF PUBLIC SAFETY AND MAINTENANCE THE PARK PROJECTS INSPECTOR SHALL HAVE THE AUTHORITY TO REVISE TREE QUANTITIES AND LOCATIONS SHOWN ON APPROVED PLANS BASED UPON FIELD CONDITIONS FOUND AT THE TIME OF INSTALLATION OF THE TREES.

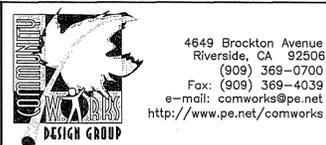
NOTE:
SEE STREET IMPROVEMENTS PLAN #R-3630-L
FOR MEDIAN ISLAND CONSTRUCTION.

SHEET INDEX:

DRAWING	DESCRIPTION	DRAWING	DESCRIPTION
T-1	COVER SHEET	LP-7	PLANTING PLAN
LI-1	IRRIGATION PLAN	LP-8	PLANTING PLAN
LI-2	IRRIGATION PLAN	LP-9	PLANTING PLAN
LI-3	IRRIGATION PLAN	LP-10	PLANTING PLAN
LI-4	IRRIGATION PLAN	LP-11	PLANTING PLAN
LI-5	IRRIGATION PLAN	LP-12	PLANTING DETAILS
LI-6	IRRIGATION DETAILS	LP-13	PLAN NOTES



CENTRAL AVENUE MEDIANS, RIVERSIDE, CA



PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
REGISTERED LANDSCAPE ARCHITECT, RLA 2110
EXPIRATION DATE 10/31/04
SCALE: 1"=20'0"
DATE: 10/23/02

CITY OF RIVERSIDE
3900 MAIN STREET
RIVERSIDE, CA 92522

MARK REVISIONS APPR. DATE
DESIGNED BY TY DRAWN BY KCK CHECKED BY TY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY [Signature] DATE 02/02/03
PARK DEPARTMENT

CENTRAL AVE.
MEDIANS
RIVERSIDE, CA
COVER SHEET

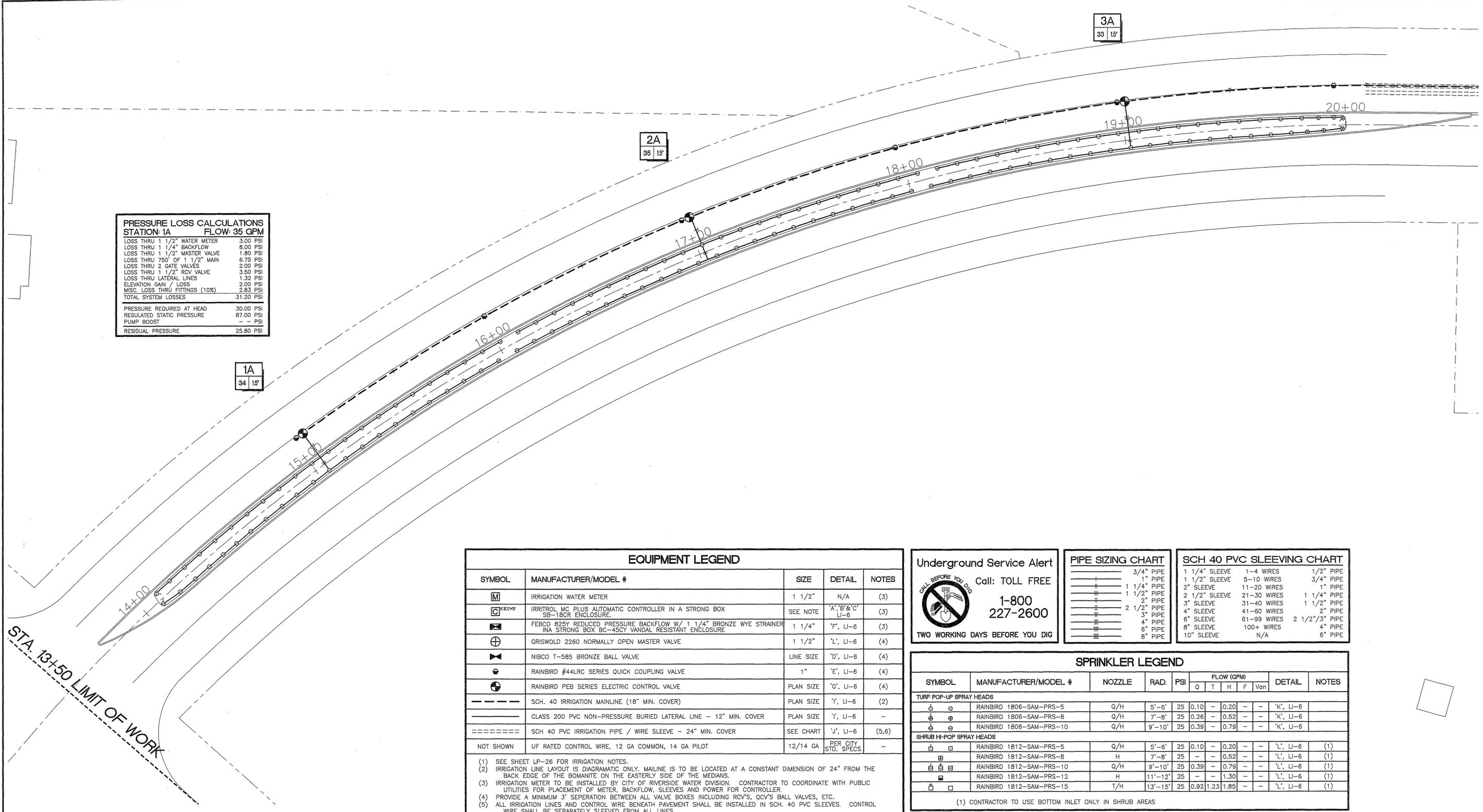
PROJECT NO. 011048
T-1
SHEET 1 OF 14
FILE NO. R-3630-L

INDEXED 5-14-04 gth

PC-4380-M/R

PRESSURE LOSS CALCULATIONS
STATION: 1A FLOW: 35 GPM

LOSS THRU 1 1/2" WATER METER	3.00 PSI
LOSS THRU 1 1/4" BACKFLOW	8.00 PSI
LOSS THRU 1 1/2" MASTER VALVE	1.80 PSI
LOSS THRU 750' OF 1 1/2" MAIN	6.75 PSI
LOSS THRU 2 GATE VALVES	2.00 PSI
LOSS THRU 1 1/2" RCV VALVE	3.50 PSI
LOSS THRU LATERAL LINES	1.32 PSI
ELEVATION GAIN / LOSS	2.00 PSI
MISC. LOSS THRU FITTINGS (10%)	2.83 PSI
TOTAL SYSTEM LOSSES	31.20 PSI
PRESSURE REQUIRED AT HEAD	30.00 PSI
REGULATED STATIC PRESSURE	87.00 PSI
PUMP BOOST	- PSI
RESIDUAL PRESSURE	25.80 PSI



STA. 13+50 LIMIT OF WORK

EQUIPMENT LEGEND

SYMBOL	MANUFACTURER/MODEL #	SIZE	DETAIL	NOTES
	IRRIGATION WATER METER	1 1/2"	N/A	(3)
	IRRITROL MC PLUS AUTOMATIC CONTROLLER IN A STRONG BOX SB-18CR ENCLOSURE.	SEE NOTE	'A', 'B' & 'C' LI-6	(3)
	FEBCO 825Y REDUCED PRESSURE BACKFLOW W/ 1 1/4" BRONZE WYE STRAINER IN A STRONG BOX BC-45CY VANDAL RESISTANT ENCLOSURE	1 1/4"	'F', LI-6	(3)
	GRISWOLD 2260 NORMALLY OPEN MASTER VALVE	1 1/2"	'L', LI-6	(4)
	NIBCO T-585 BRONZE BALL VALVE	LINE SIZE	'D', LI-6	(4)
	RAINBIRD #44LRC SERIES QUICK COUPLING VALVE	1"	'E', LI-6	(4)
	RAINBIRD PEB SERIES ELECTRIC CONTROL VALVE	PLAN SIZE	'G', LI-6	(4)
	SCH. 40 IRRIGATION MAINLINE (18" MIN. COVER)	PLAN SIZE	'I', LI-6	(2)
	CLASS 200 PVC NON-PRESSURE BURIED LATERAL LINE - 12" MIN. COVER	PLAN SIZE	'I', LI-6	-
	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE - 24" MIN. COVER	SEE CHART	'J', LI-6	(5,6)
NOT SHOWN	UF RATED CONTROL WIRE, 12 GA COMMON, 14 GA PILOT	12/14 GA	PER CITY STD. SPECS	-

(1) SEE SHEET LP-26 FOR IRRIGATION NOTES.
(2) IRRIGATION LINE LAYOUT IS DIAGRAMATIC ONLY. MAINLINE IS TO BE LOCATED AT A CONSTANT DIMENSION OF 24" FROM THE BACK EDGE OF THE BOMANITE ON THE EASTERLY SIDE OF THE MEDIANS.
(3) IRRIGATION METER TO BE INSTALLED BY CITY OF RIVERSIDE WATER DIVISION. CONTRACTOR TO COORDINATE WITH PUBLIC UTILITIES FOR PLACEMENT OF METER, BACKFLOW, SLEEVES AND POWER FOR CONTROLLER.
(4) PROVIDE A MINIMUM 3" SEPARATION BETWEEN ALL VALVE BOXES INCLUDING RCV'S, QCV'S BALL VALVES, ETC.
(5) ALL IRRIGATION LINES AND CONTROL WIRE BENEATH PAVEMENT SHALL BE INSTALLED IN SCH. 40 PVC SLEEVES. CONTROL WIRE SHALL BE SEPARATELY SLEEVED FROM ALL LINES.
(6) ALL SLEEVE SHALL BE INSTALLED IN STRAIGHT RUNS WITH NO BENDS, CURVES OR OTHER CHANGES IN DIRECTION.

Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

PIPE SIZING CHART

3/4" PIPE
1" PIPE
1 1/4" PIPE
1 1/2" PIPE
2" PIPE
2 1/2" PIPE
3" PIPE
4" PIPE
6" PIPE
8" PIPE

SCH 40 PVC SLEEVING CHART

1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4" PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
4" SLEEVE	41-60 WIRES	2" PIPE
6" SLEEVE	61-99 WIRES	2 1/2"/3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

SPRINKLER LEGEND

SYMBOL	MANUFACTURER/MODEL #	NOZZLE	RAD.	PSI	FLOW (GPM)					DETAIL	NOTES
					Q	T	H	F	Van		
TURF POP-UP SPRAY HEADS											
	RAINBIRD 1806-SAM-PRS-5	Q/H	5'-6"	25	0.10	-	0.20	-	-	-	'K', LI-6
	RAINBIRD 1806-SAM-PRS-8	Q/H	7'-8"	25	0.26	-	0.52	-	-	-	'K', LI-6
	RAINBIRD 1806-SAM-PRS-10	Q/H	9'-10"	25	0.39	-	0.79	-	-	-	'K', LI-6
SHRUB HI-POP SPRAY HEADS											
	RAINBIRD 1812-SAM-PRS-5	Q/H	5'-6"	25	0.10	-	0.20	-	-	-	'L', LI-6 (1)
	RAINBIRD 1812-SAM-PRS-8	H	7'-8"	25	-	-	0.52	-	-	-	'L', LI-6 (1)
	RAINBIRD 1812-SAM-PRS-10	Q/H	9'-10"	25	0.39	-	0.79	-	-	-	'L', LI-6 (1)
	RAINBIRD 1812-SAM-PRS-12	H	11'-12"	25	-	-	1.30	-	-	-	'L', LI-6 (1)
	RAINBIRD 1812-SAM-PRS-15	T/H	13'-15"	25	0.92	1.23	1.85	-	-	-	'L', LI-6 (1)

(1) CONTRACTOR TO USE BOTTOM INLET ONLY IN SHRUB AREAS

STATION # / CONTROLLER

FLOW (GPM)	VALVE SIZE
------------	------------

CONTROLLER NOTE:
CONTROLLER 'A' TO BE 8 STATION MODEL
CONTROLLER 'B' TO BE 4 STATION MODEL
CONTROLLER 'C' TO BE 4 STATION MODEL
CONTROLLER 'D' TO BE 12 STATION MODEL

NOTE TO CONTRACTOR:
CONTRACTOR IS TO PROVIDE THE SERVICE ADDRESS FOR EACH NEW WATER METER SERVICE AS A PART OF THE "AS-BUILT" INFORMATION FOR THE PROJECT.

PUBLIC UTILITIES-WATER DIVISION
APPROVED BY: *[Signature]* 1/20/03
DATE

PUBLIC UTILITIES-ELECTRIC DIVISION
APPROVED BY: *[Signature]* 1/31/03
DATE

DIGALERT
DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

DESIGN GROUP
4649 Brockton Avenue
Riverside, CA 92506
(909) 369-0700
Fax: (909) 369-4039
e-mail: comworks@pe.net
http://www.pe.net/comworks

REGISTERED LANDSCAPE ARCHITECT
TIMOTHY I. MALONEY
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
REGISTERED LANDSCAPE ARCHITECT, RLA 2110
EXPIRATION DATE 10/31/04
SCALE: 1"=20'0"
DATE: 10/23/02

CITY OF RIVERSIDE
3900 MAIN STREET
RIVERSIDE, CA 92522

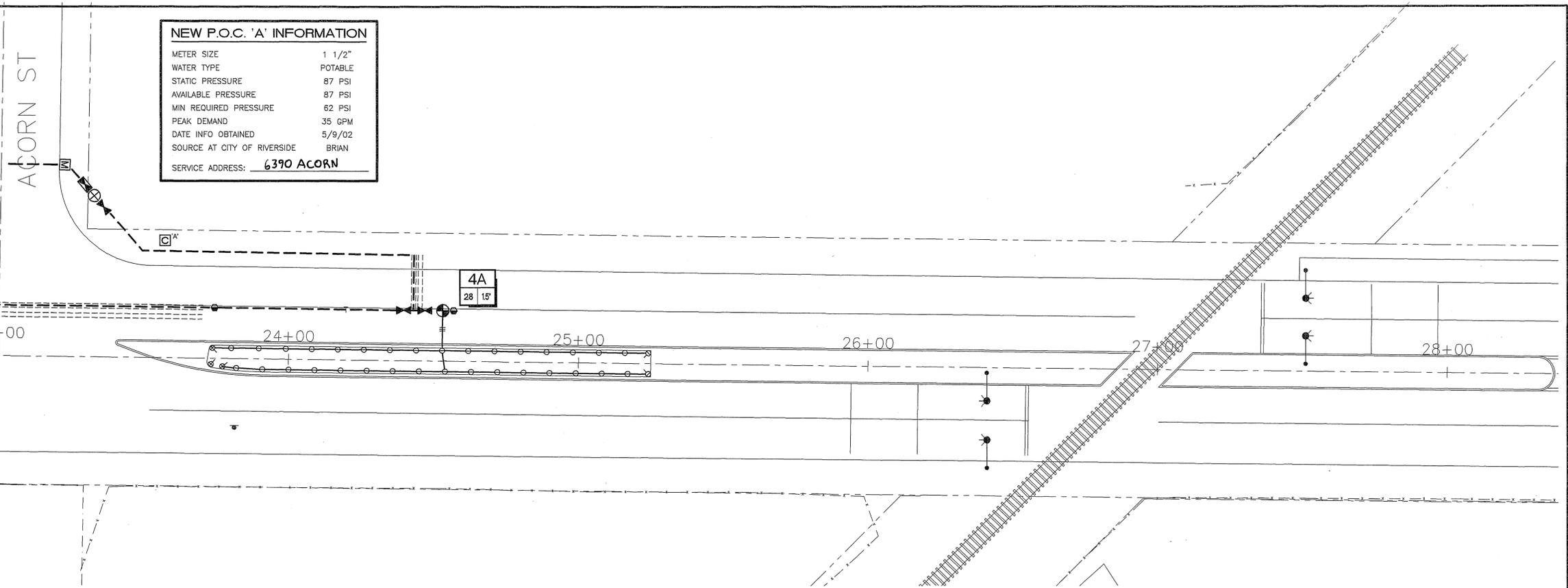
MARK REVISIONS APPR. DATE
DESIGNED BY TY DRAWN BY KCK CHECKED BY TY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: *[Signature]*
DATE: 02/07/03

CENTRAL AVE. MEDIANS
RIVERSIDE, CA
IRRIGATION PLAN

PROJECT NO. 020422
LI-1
SHEET 2 OF 14
FILE NO. R-3630-L

INDEXED 5-14-04 LKH



NEW P.O.C. 'A' INFORMATION

METER SIZE 1 1/2"
 WATER TYPE POTABLE
 STATIC PRESSURE 87 PSI
 AVAILABLE PRESSURE 87 PSI
 MIN REQUIRED PRESSURE 62 PSI
 PEAK DEMAND 35 GPM
 DATE INFO OBTAINED 5/9/02
 SOURCE AT CITY OF RIVERSIDE BRIAN
 SERVICE ADDRESS: 6390 ACORN

EQUIPMENT LEGEND				
SYMBOL	MANUFACTURER/MODEL #	SIZE	DETAIL	NOTES
[M]	IRRIGATION WATER METER	1 1/2"	N/A	(3)
[C]	IRRITROL MC PLUS AUTOMATIC CONTROLLER IN A STRONG BOX SB-18CR ENCLOSURE	SEE NOTE	'A', 'B' & 'C' LI-6	(3)
[S]	FERCO 825Y REDUCED PRESSURE BACKFLOW W/ 1 1/4" BRONZE WYE STRAINER IN A STRONG BOX BC-45CY VANDAL RESISTANT ENCLOSURE	1 1/4"	'F', LI-6	(3)
[V]	GRISWOLD 2260 NORMALLY OPEN MASTER VALVE	1 1/2"	'L', LI-6	(4)
[B]	NIBCO T-585 BRONZE BALL VALVE	LINE SIZE	'D', LI-6	(4)
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[=====	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE - 24" MIN. COVER	SEE CHART	'J', LI-6	(5,6)
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TWO WORKING DAYS BEFORE YOU DIG

PIPE SIZING CHART

3/4" PIPE
1" PIPE
1 1/4" PIPE
1 1/2" PIPE
2" PIPE
2 1/2" PIPE
3" PIPE
4" PIPE
6" PIPE
8" PIPE

SCH 40 PVC SLEEVING CHART

1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4" PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
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10" SLEEVE	N/A	6" PIPE

SPRINKLER LEGEND

SYMBOL	MANUFACTURER/MODEL #	NOZZLE	RAD.	PSI	FLOW (GPM)					DETAIL	NOTES	
					Q	T	H	F	Van			
TURF POP-UP SPRAY HEADS												
[Symbol]	RAINBIRD 1806-SAM-PRS-5	Q/H	5'-6"	25	0.10	-	0.20	-	-	-	'K', LI-6	
[Symbol]	RAINBIRD 1806-SAM-PRS-8	Q/H	7'-8"	25	0.26	-	0.52	-	-	-	'K', LI-6	
[Symbol]	RAINBIRD 1806-SAM-PRS-10	Q/H	9'-10"	25	0.39	-	0.79	-	-	-	'K', LI-6	
SHRUB HI-POP SPRAY HEADS												
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PUBLIC UTILITIES-WATER DIVISION
 APPROVED BY: *[Signature]* 1/30/03
 DATE

PUBLIC UTILITIES-ELECTRIC DIVISION
 APPROVED BY: *[Signature]* 1/31/03
 DATE

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PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
 REGISTERED LANDSCAPE ARCHITECT, RLA 2110
 EXPIRATION DATE 10/31/04

SCALE: 1"=20'0"
 DATE: 10/23/02

CITY OF RIVERSIDE
 3900 MAIN STREET
 RIVERSIDE, CA 92522

BENCHMARK

MARK	REVISIONS	APPR.	DATE

DESIGNED BY TY DRAWN BY KCK CHECKED BY TY

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

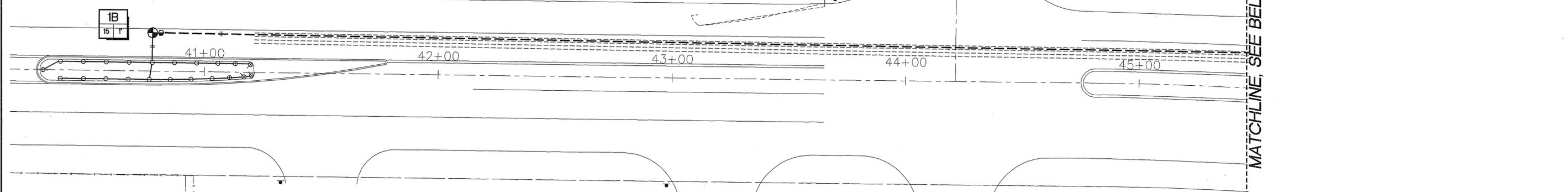
APPROVED BY: *[Signature]* DATE: 02/07/03

CENTRAL AVE. MEDIANS
 RIVERSIDE, CA
 IRRIGATION PLAN

PROJECT NO. 020422
LI-2
 SHEET 3 OF 14
 FILE NO. R-3630-L

INDEXED 5-19-04 LTH

PRESSURE LOSS CALCULATIONS	
STATION: 1B FLOW: 16 GPM	
LOSS THRU 1 1/2" WATER METER	0.40 PSI
LOSS THRU 1 1/4" BACKFLOW	9.50 PSI
LOSS THRU 1 1/2" MASTER VALVE	1.00 PSI
LOSS THRU 750' OF 1 1/2" MAIN	5.33 PSI
LOSS THRU 2 GATE VALVES	2.00 PSI
LOSS THRU 1" RCV VALVE	2.20 PSI
LOSS THRU LATERAL LINES	0.48 PSI
ELEVATION GAIN / LOSS	2.00 PSI
MISC. LOSS THRU FITTINGS (10%)	2.29 PSI
TOTAL SYSTEM LOSSES	25.20 PSI
PRESSURE REQUIRED AT HEAD	25.00 PSI
REGULATED STATIC PRESSURE	73.00 PSI
PUMP BOOST	-- PSI
RESIDUAL PRESSURE	22.80 PSI



EQUIPMENT LEGEND				
SYMBOL	MANUFACTURER/MODEL #	SIZE	DETAIL	NOTES
[M]	IRRIGATION WATER METER	1 1/2"	N/A	(3)
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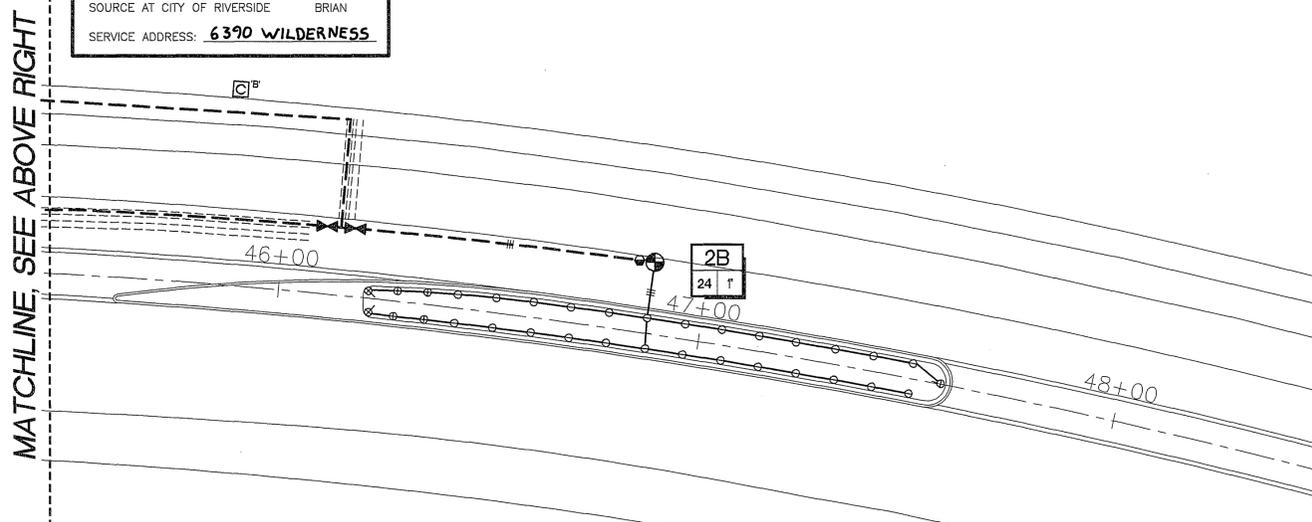
PIPE SIZING CHART

3/4" PIPE	1" PIPE
1 1/4" PIPE	1 1/2" PIPE
2" PIPE	2 1/2" PIPE
3" PIPE	4" PIPE
4" PIPE	6" PIPE
6" PIPE	8" PIPE
8" PIPE	10" PIPE

SCH 40 PVC SLEEVING CHART

1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
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3" SLEEVE	31-40 WIRES	1 1/2" PIPE
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6" SLEEVE	61-99 WIRES	2 1/2"/3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

NEW P.O.C. 'B' INFORMATION	
METER SIZE	1 1/2"
WATER TYPE	POTABLE
STATIC PRESSURE	73 PSI
AVAILABLE PRESSURE	73 PSI
MIN REQUIRED PRESSURE	51 PSI
PEAK DEMAND	25 GPM
DATE INFO OBTAINED	5/9/02
SOURCE AT CITY OF RIVERSIDE	BRIAN
SERVICE ADDRESS:	6390 WILDERNESS



SPRINKLER LEGEND											
SYMBOL	MANUFACTURER/MODEL #	NOZZLE	RAD.	PSI	FLOW (GPM)					DETAIL	NOTES
					Q	T	H	F	V _{an}		
TURF POP-UP SPRAY HEADS											
[S]	RAINBIRD 1806-SAM-PRS-5	Q/H	5'-6"	25	0.10	-	0.20	-	-	'K', LI-6	
[S]	RAINBIRD 1806-SAM-PRS-8	Q/H	7'-8"	25	0.26	-	0.52	-	-	'K', LI-6	
[S]	RAINBIRD 1806-SAM-PRS-10	Q/H	9'-10"	25	0.39	-	0.79	-	-	'K', LI-6	
SHRUB HI-POP SPRAY HEADS											
[S]	RAINBIRD 1812-SAM-PRS-5	Q/H	5'-6"	25	0.10	-	0.20	-	-	'L', LI-6	(1)
[S]	RAINBIRD 1812-SAM-PRS-8	H	7'-8"	25	-	-	0.52	-	-	'L', LI-6	(1)
[S]	RAINBIRD 1812-SAM-PRS-10	Q/H	9'-10"	25	0.39	-	0.79	-	-	'L', LI-6	(1)
[S]	RAINBIRD 1812-SAM-PRS-12	H	11'-12"	25	-	-	1.30	-	-	'L', LI-6	(1)
[S]	RAINBIRD 1812-SAM-PRS-15	T/H	13'-15"	25	0.92	1.23	1.85	-	-	'L', LI-6	(1)

(1) CONTRACTOR TO USE BOTTOM INLET ONLY IN SHRUB AREAS

STATION # / CONTROLLER	
FLOW (GPM)	VALVE SIZE

CONTROLLER NOTE:
 CONTROLLER 'A' TO BE 8 STATION MODEL
 CONTROLLER 'B' TO BE 4 STATION MODEL
 CONTROLLER 'C' TO BE 4 STATION MODEL
 CONTROLLER 'D' TO BE 12 STATION MODEL

PUBLIC UTILITIES-WATER DIVISION
 APPROVED BY: *[Signature]* 1/31/03
 DATE

PUBLIC UTILITIES-ELECTRIC DIVISION
 APPROVED BY: *[Signature]* 1/31/03
 DATE

DIGALERT

DIAL TOLL FREE
1-800-227-2600

AT LEAST TWO DAYS BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

4649 Brockton Avenue
Riverside, CA 92506
(909) 369-0700
Fax: (909) 369-4039
e-mail: comworks@pe.net
http://www.pe.net/comworks

REGISTERED LANDSCAPE ARCHITECT
 10/23/02
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
 REGISTERED LANDSCAPE ARCHITECT, RLA 2110
 EXPIRATION DATE 10/31/04

SCALE: 1"=20'0"
 DATE: 10/23/02

NORTH:

BENCHMARK

CITY OF RIVERSIDE
 3900 MAIN STREET
 RIVERSIDE, CA 92522

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]*
 DATE: 02/07/03

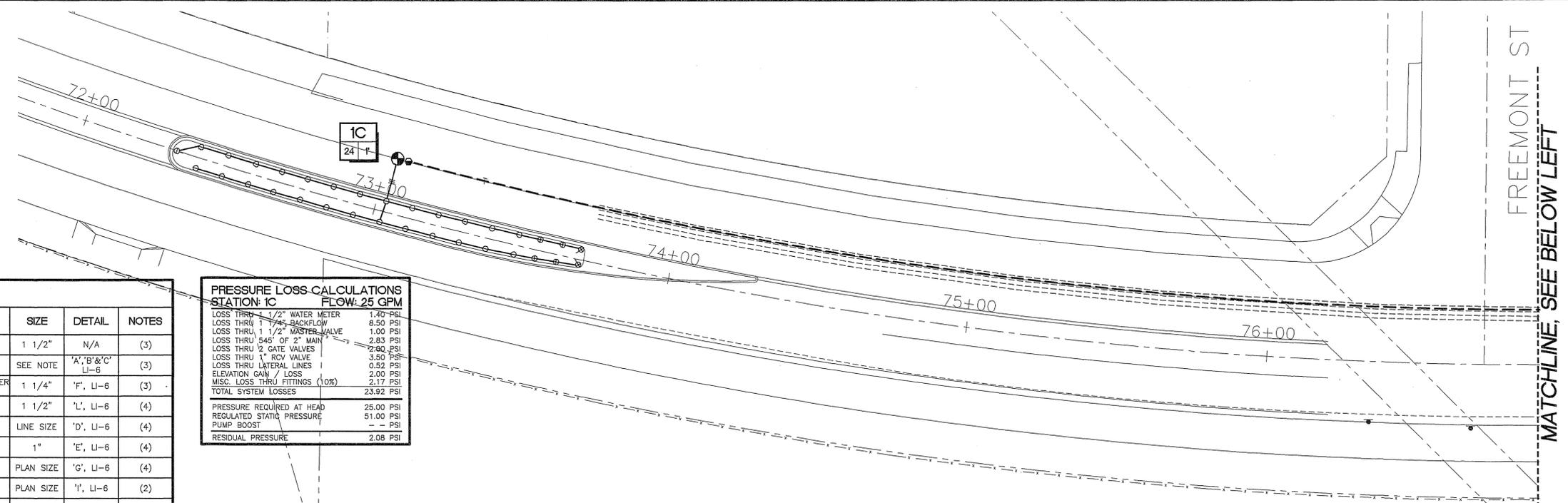
DESIGNED BY: TY DRAWN BY: KCK CHECKED BY: TY

CENTRAL AVE. MEDIANS
 RIVERSIDE, CA

IRRIGATION PLAN

PROJECT NO. 020422
LI-3
 SHEET 4 OF 14
 FILE NO. R-3630-L

INDEXED 5-14-04 LTH



FREEMONT ST
MATCHLINE, SEE BELOW LEFT

EQUIPMENT LEGEND				
SYMBOL	MANUFACTURER/MODEL #	SIZE	DETAIL	NOTES
	IRRIGATION WATER METER	1 1/2"	N/A	(3)
	IRRITROL MC PLUS AUTOMATIC CONTROLLER IN A STRONG BOX SB-18CR ENCLOSURE	SEE NOTE	'A', 'B' & 'C' LI-6	(3)
	FEBCO 825Y REDUCED PRESSURE BACKFLOW W/ 1 1/4" BRONZE WYE STRAINER IN A STRONG BOX BC-45CY VANDAL RESISTANT ENCLOSURE	1 1/4"	'F', LI-6	(3)
	GRISWOLD 2260 NORMALLY OPEN MASTER VALVE	1 1/2"	'L', LI-6	(4)
	NIBCO T-585 BRONZE BALL VALVE	LINE SIZE	'D', LI-6	(4)
	RAINBIRD #44LRC SERIES QUICK COUPLING VALVE	1"	'E', LI-6	(4)
	RAINBIRD PEB SERIES ELECTRIC CONTROL VALVE	PLAN SIZE	'G', LI-6	(4)
	SCH. 40 IRRIGATION MAINLINE (18" MIN. COVER)	PLAN SIZE	'I', LI-6	(2)
	CLASS 200 PVC NON-PRESSURE BURIED LATERAL LINE - 12" MIN. COVER	PLAN SIZE	'I', LI-6	-
	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE - 24" MIN. COVER	SEE CHART	'J', LI-6	(5,6)
NOT SHOWN	UF RATED CONTROL WIRE, 12 GA COMMON, 14 GA PILOT	12/14 GA	PER CITY STD. SPECS.	-

PRESSURE LOSS CALCULATIONS STATION: 1C FLOW: 25 GPM	
LOSS THRU 1 1/2" WATER METER	1.40 PSI
LOSS THRU 1 1/2" BACKFLOW	8.50 PSI
LOSS THRU 1 1/2" MASTER VALVE	1.00 PSI
LOSS THRU 545' OF 2" MAIN	2.83 PSI
LOSS THRU 2 GATE VALVES	2.60 PSI
LOSS THRU 1" RCV VALVE	3.50 PSI
LOSS THRU LATERAL LINES	0.52 PSI
ELEVATION GAIN / LOSS	2.00 PSI
MISC. LOSS THRU FITTINGS (10%)	2.17 PSI
TOTAL SYSTEM LOSSES	23.92 PSI
PRESSURE REQUIRED AT HEAD	25.00 PSI
REGULATED STATIC PRESSURE	51.00 PSI
PUMP BOOST	- - PSI
RESIDUAL PRESSURE	2.08 PSI

- SEE SHEET LP-26 FOR IRRIGATION NOTES.
- IRRIGATION LINE LAYOUT IS DIAGRAMATIC ONLY. MAILINE IS TO BE LOCATED AT A CONSTANT DIMENSION OF 24" FROM THE BACK EDGE OF THE BOMANITE ON THE EASTERLY SIDE OF THE MEDIANS.
- IRRIGATION METER TO BE INSTALLED BY CITY OF RIVERSIDE WATER DIVISION. CONTRACTOR TO COORDINATE WITH PUBLIC UTILITIES FOR PLACEMENT OF METER, BACKFLOW, SLEEVES AND POWER FOR CONTROLLER.
- PROVIDE A MINIMUM 3' SEPERATION BETWEEN ALL VALVE BOXES INCLUDING RCV'S, QCV'S BALL VALVES, ETC.
- ALL IRRIGATION LINES AND CONTROL WIRE BENEATH PAVEMENT SHALL BE INSTALLED IN SCH. 40 PVC SLEEVES. CONTROL WIRE SHALL BE SEPERATELY SLEEVED FROM ALL LINES.
- ALL SLEEVE SHALL BE INSTALLED IN STRAIGHT RUNS WITH NO BENDS, CURVES OR OTHER CHANGES IN DIRECTION.

Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

PIPE SIZING CHART	
3/4" PIPE	1-4 WIRES
1" PIPE	5-10 WIRES
1 1/4" PIPE	11-20 WIRES
1 1/2" PIPE	21-30 WIRES
2" PIPE	31-40 WIRES
2 1/2" PIPE	41-60 WIRES
3" PIPE	61-99 WIRES
4" PIPE	100+ WIRES
6" PIPE	N/A
8" PIPE	N/A

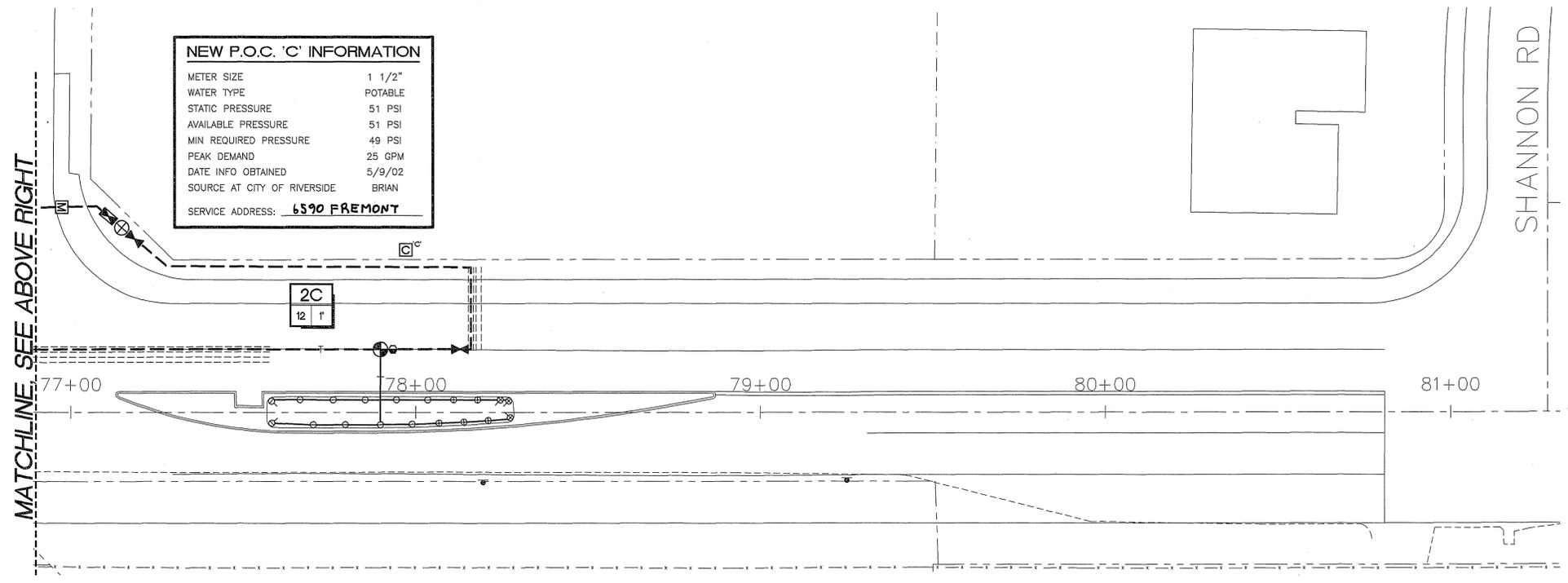
SCH 40 PVC SLEEVING CHART		
1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4" PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
4" SLEEVE	41-60 WIRES	2" PIPE
6" SLEEVE	61-99 WIRES	2 1/2"/3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

SPRINKLER LEGEND											
SYMBOL	MANUFACTURER/MODEL #	NOZZLE	RAD.	PSI	FLOW (GPM)					DETAIL	NOTES
					Q	T	H	F	Van		
TURF POP-UP SPRAY HEADS											
	RAINBIRD 1806-SAM-PRS-5	Q/H	5'-6"	25	0.10	-	0.20	-	-	'K', LI-6	
	RAINBIRD 1806-SAM-PRS-8	Q/H	7'-8"	25	0.26	-	0.52	-	-	'K', LI-6	
	RAINBIRD 1806-SAM-PRS-10	Q/H	9'-10"	25	0.39	-	0.79	-	-	'K', LI-6	
SHRUB HI-POP SPRAY HEADS											
	RAINBIRD 1812-SAM-PRS-5	Q/H	5'-6"	25	0.10	-	0.20	-	-	'L', LI-6	(1)
	RAINBIRD 1812-SAM-PRS-8	H	7'-8"	25	-	-	0.52	-	-	'L', LI-6	(1)
	RAINBIRD 1812-SAM-PRS-10	Q/H	9'-10"	25	0.39	-	0.79	-	-	'L', LI-6	(1)
	RAINBIRD 1812-SAM-PRS-12	H	11'-12"	25	-	-	1.30	-	-	'L', LI-6	(1)
	RAINBIRD 1812-SAM-PRS-15	T/H	13'-15"	25	0.92	1.23	1.85	-	-	'L', LI-6	(1)

STATION # / CONTROLLER	
FLOW (GPM)	VALVE SIZE

CONTROLLER NOTE:
CONTROLLER 'A' TO BE 8 STATION MODEL
CONTROLLER 'B' TO BE 4 STATION MODEL
CONTROLLER 'C' TO BE 4 STATION MODEL
CONTROLLER 'D' TO BE 12 STATION MODEL

NOTE TO CONTRACTOR:
CONTRACTOR IS TO PROVIDE THE SERVICE ADDRESS FOR A NEW WATER METER SERVICE AS A PART OF THE "AS-BUILT" INFORMATION FOR THE PROJECT.



NEW P.O.C. 'C' INFORMATION	
METER SIZE	1 1/2"
WATER TYPE	POTABLE
STATIC PRESSURE	51 PSI
AVAILABLE PRESSURE	51 PSI
MIN REQUIRED PRESSURE	49 PSI
PEAK DEMAND	25 GPM
DATE INFO OBTAINED	5/9/02
SOURCE AT CITY OF RIVERSIDE	BRIAN
SERVICE ADDRESS:	6590 FREMONT

SHANNON RD

MATCHLINE, SEE ABOVE RIGHT

PUBLIC UTILITIES-WATER DIVISION
APPROVED BY: *[Signature]* 1/30/02
DATE

PUBLIC UTILITIES-ELECTRIC DIVISION
APPROVED BY: *[Signature]* 1/31/03
DATE

DIGALERT
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PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
REGISTERED LANDSCAPE ARCHITECT, RLA 2110
EXPIRATION DATE 10/31/04

SCALE: 1"=20'0"
DATE: 10/23/02

NORTH:

BENCHMARK

CITY OF RIVERSIDE
3900 MAIN STREET
RIVERSIDE, CA 92522

MARK: _____ REVISIONS: _____ APPR. DATE: _____
DESIGNED BY: TY DRAWN BY: KCK CHECKED BY: TY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: _____ BY: _____ DATE: _____
APPROVED BY: *[Signature]*
PARK DEPARTMENT
DATE: 02/07/03

CENTRAL AVE. MEDIANS
RIVERSIDE, CA
IRRIGATION PLAN

PROJECT NO. 020422
LI-4
SHEET 5 OF 14
FILE NO. R-3630-L

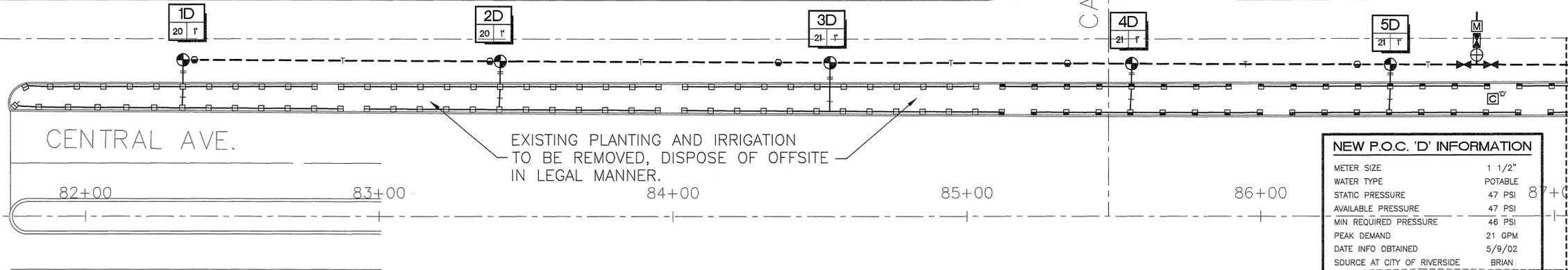
INDEXED 5-14-04 *[Signature]*

PC-4680-M/R

PRESSURE LOSS CALCULATIONS	
STATION: 1D	FLOW: 20 GPM
LOSS THRU 1 1/2" WATER METER	0.90 PSI
LOSS THRU 1 1/2" BACKFLOW	8.75 PSI
LOSS THRU 1 1/2" MASTER VALVE	1.00 PSI
LOSS THRU 455' OF 2" MAIN	1.47 PSI
LOSS THRU 1 GATE VALVE	1.00 PSI
LOSS THRU 1" ROV VALVE	2.50 PSI
LOSS THRU LATERAL LINES	0.42 PSI
ELEVATION GAIN / LOSS	2.00 PSI
MISC. LOSS THRU FITTINGS (10%)	1.85 PSI
TOTAL SYSTEM LOSSES	20.17 PSI
PRESSURE REQUIRED AT HEAD	25.00 PSI
REGULATED STATIC PRESSURE	42.00 PSI
PUMP BOOST	- PSI
RESIDUAL PRESSURE	1.83 PSI

SHANNON RD

CARISSA AVE



NEW P.O.C. 'D' INFORMATION	
METER SIZE	1 1/2"
WATER TYPE	POTABLE
STATIC PRESSURE	47 PSI
AVAILABLE PRESSURE	47 PSI
MIN REQUIRED PRESSURE	46 PSI
PEAK DEMAND	21 GPM
DATE INFO OBTAINED	5/9/02
SOURCE AT CITY OF RIVERSIDE	BRIAN
SERVICE ADDRESS	5981 CENTRAL

MATCHLINE, SEE BELOW LEFT

EQUIPMENT LEGEND				
SYMBOL	MANUFACTURER/MODEL #	SIZE	DETAIL	NOTES
	IRRIGATION WATER METER	1 1/2"	N/A	(3)
	IRRITROL MC PLUS AUTOMATIC CONTROLLER IN A STRONG BOX SB-18CR ENCLOSURE.	SEE NOTE	'A', 'B' & 'C' LI-6	(3)
	FEBCO 825Y REDUCED PRESSURE BACKFLOW W/ 1 1/4" BRONZE WYE STRAINER IN A STRONG BOX BC-45CY VANDAL RESISTANT ENCLOSURE	1 1/4"	'F', LI-6	(3)
	GRISWOLD 2260 NORMALLY OPEN MASTER VALVE	1 1/2"	'L', LI-6	(4)
	NIBCO T-585 BRONZE BALL VALVE	LINE SIZE	'D', LI-6	(4)
	RAINBIRD #44LRC SERIES QUICK COUPLING VALVE	1"	'E', LI-6	(4)
	RAINBIRD PEB SERIES ELECTRIC CONTROL VALVE	PLAN SIZE	'G', LI-6	(4)
	SCH. 40 IRRIGATION MAINLINE (18" MIN. COVER)	PLAN SIZE	'I', LI-6	(2)
	CLASS 200 PVC NON-PRESSURE BURIED LATERAL LINE - 12" MIN. COVER	PLAN SIZE	'I', LI-6	-
	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE - 24" MIN. COVER	SEE CHART	'J', LI-6	(5,6)
	UF RATED CONTROL WIRE, 12 GA COMMON, 14 GA PILOT	12/14 GA	PER CITY STD. SPECS.	-

(1) SEE SHEET LP-26 FOR IRRIGATION NOTES.
 (2) IRRIGATION LINE LAYOUT IS DIAGRAMATIC ONLY. MAINLINE IS TO BE LOCATED AT A CONSTANT DIMENSION OF 24" FROM THE BACK EDGE OF THE BOMANITE ON THE EASTERLY SIDE OF THE MEDIANS.
 (3) IRRIGATION METER TO BE INSTALLED BY CITY OF RIVERSIDE WATER DIVISION. CONTRACTOR TO COORDINATE WITH PUBLIC UTILITIES FOR PLACEMENT OF METER, BACKFLOW, SLEEVES AND POWER FOR CONTROLLER.
 (4) PROVIDE A MINIMUM 3" SEPARATION BETWEEN ALL VALVE BOXES INCLUDING ROV'S, QCV'S BALL VALVES, ETC.
 (5) ALL IRRIGATION LINES AND CONTROL WIRE BENEATH PAVEMENT SHALL BE INSTALLED IN SCH. 40 PVC SLEEVES. CONTROL WIRE SHALL BE SEPARATELY SLEEVED FROM ALL LINES.
 (6) ALL SLEEVE SHALL BE INSTALLED IN STRAIGHT RUNS WITH NO BENDS, CURVES OR OTHER CHANGES IN DIRECTION.

Underground Service Alert
 Call: TOLL FREE
1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

PIPE SIZING CHART	
3/4" PIPE	1 1/4" SLEEVE
1" PIPE	1 1/2" SLEEVE
1 1/4" PIPE	2" SLEEVE
1 1/2" PIPE	2 1/2" SLEEVE
2" PIPE	3" SLEEVE
3" PIPE	4" SLEEVE
4" PIPE	6" SLEEVE
6" PIPE	8" SLEEVE
8" PIPE	10" SLEEVE

SCH 40 PVC SLEEVING CHART		
1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
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4" SLEEVE	41-60 WIRES	2" PIPE
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8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

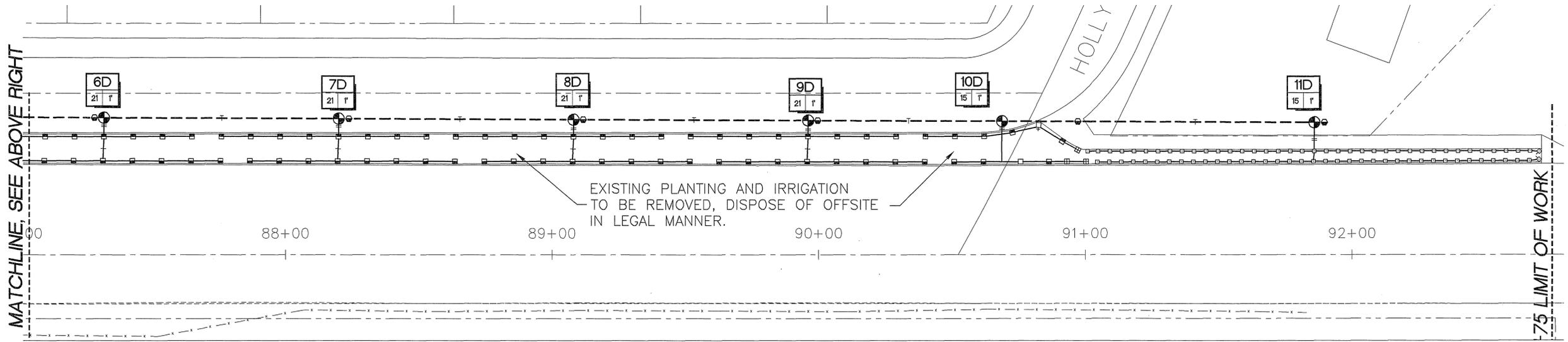
NOTE TO CONTRACTOR:
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SPRINKLER LEGEND											
SYMBOL	MANUFACTURER/MODEL #	NOZZLE	RAD.	PSI	FLOW (GPM)					DETAIL	NOTES
					Q	T	H	F	Von		
TURF POP-UP SPRAY HEADS											
	RAINBIRD 1806-SAM-PRS-5	Q/H	5'-6"	25	0.10	-	0.20	-	-	'K', LI-6	
	RAINBIRD 1806-SAM-PRS-8	Q/H	7'-8"	25	0.26	-	0.52	-	-	'K', LI-6	
	RAINBIRD 1806-SAM-PRS-10	Q/H	9'-10"	25	0.39	-	0.79	-	-	'K', LI-6	
SHRUB HI-POP SPRAY HEADS											
	RAINBIRD 1812-SAM-PRS-5	Q/H	5'-6"	25	0.10	-	0.20	-	-	'L', LI-6	(1)
	RAINBIRD 1812-SAM-PRS-8	H	7'-8"	25	-	-	0.52	-	-	'L', LI-6	(1)
	RAINBIRD 1812-SAM-PRS-10	Q/H	9'-10"	25	0.39	-	0.79	-	-	'L', LI-6	(1)
	RAINBIRD 1812-SAM-PRS-12	H	11'-12"	25	-	-	1.30	-	-	'L', LI-6	(1)
	RAINBIRD 1812-SAM-PRS-15	T/H	13'-15"	25	0.92	1.23	1.85	-	-	'L', LI-6	(1)

(1) CONTRACTOR TO USE BOTTOM INLET ONLY IN SHRUB AREAS

STATION # / CONTROLLER	
FLOW (GPM)	VALVE SIZE

CONTROLLER NOTE:
 CONTROLLER 'A' TO BE 8 STATION MODEL
 CONTROLLER 'B' TO BE 4 STATION MODEL
 CONTROLLER 'C' TO BE 4 STATION MODEL
 CONTROLLER 'D' TO BE 12 STATION MODEL



MATCHLINE, SEE ABOVE RIGHT

75' LIMIT OF WORK

PUBLIC UTILITIES-WATER DIVISION
 APPROVED BY: *[Signature]* 1/23/03
 PUBLIC UTILITIES-ELECTRIC DIVISION
 APPROVED BY: *[Signature]* 1/31/03

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PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
 REGISTERED LANDSCAPE ARCHITECT, RLA 2110
 EXPIRATION DATE 10/31/04

SCALE: N.T.S. NORTH:

DATE: 10/23/02

CITY OF RIVERSIDE
 3900 MAIN STREET
 RIVERSIDE, CA 92522

BENCHMARK

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: TY DRAWN BY: KCK CHECKED BY: TY

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

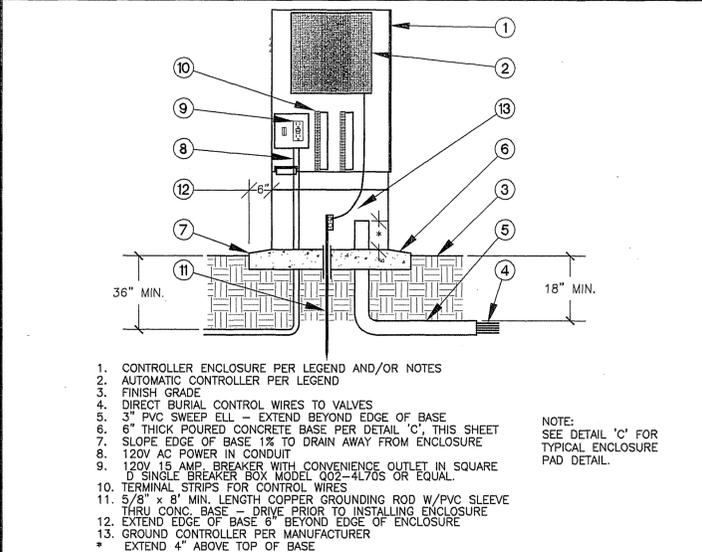
APPROVED BY: *[Signature]* DATE: 02/09/03

CENTRAL AVE. MEDIANS
 RIVERSIDE, CA
 IRRIGATION PLAN

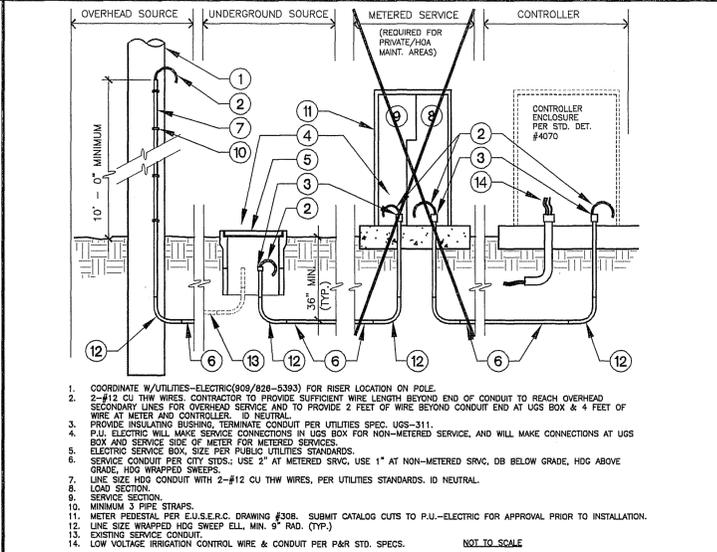
PROJECT NO. 020422
LI-5
 SHEET 6 OF 14
 FILE NO. R-3630-L

INDEXED 5-14-04 LHL

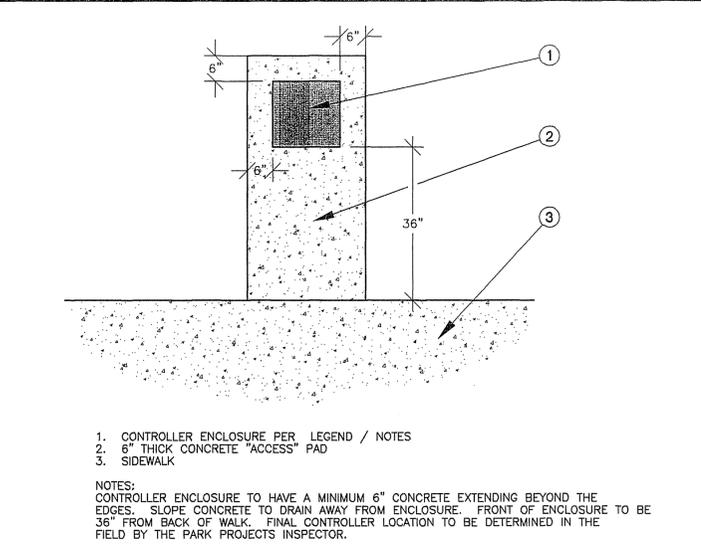
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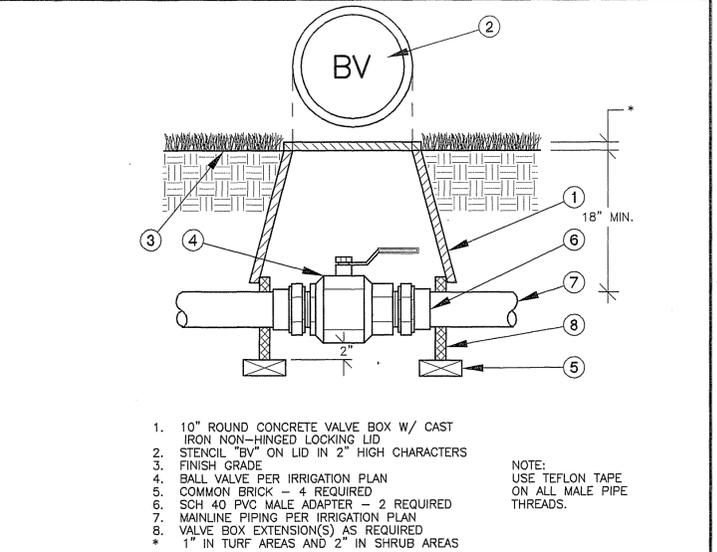
A Controller



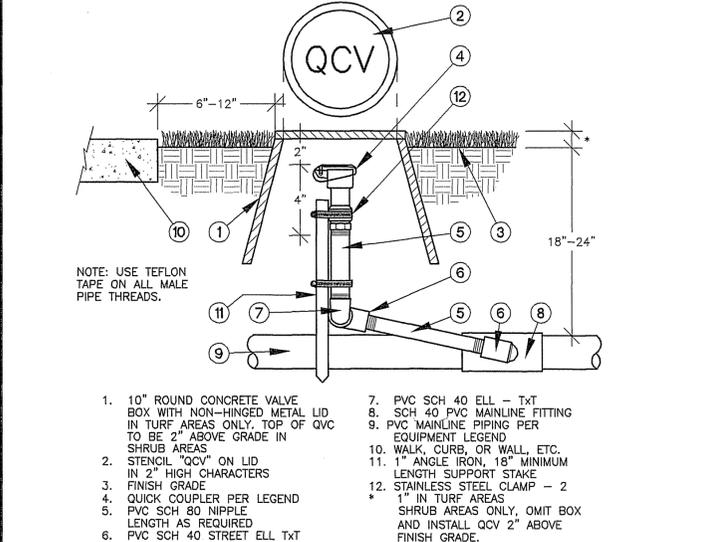
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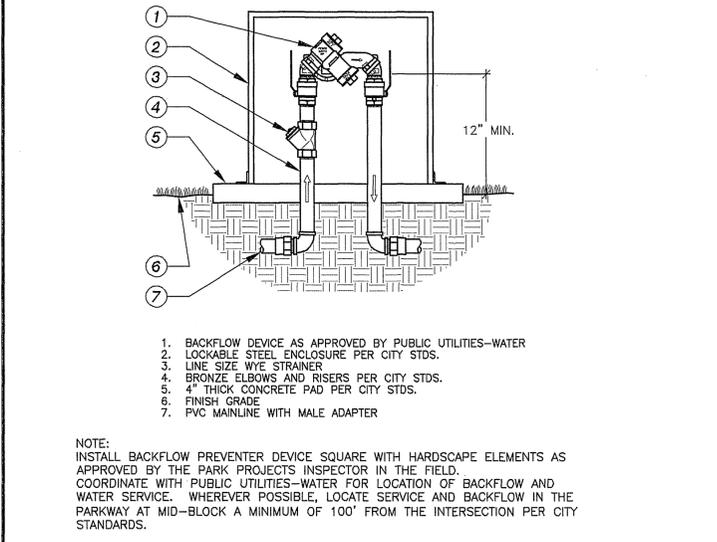
C Controller Pad



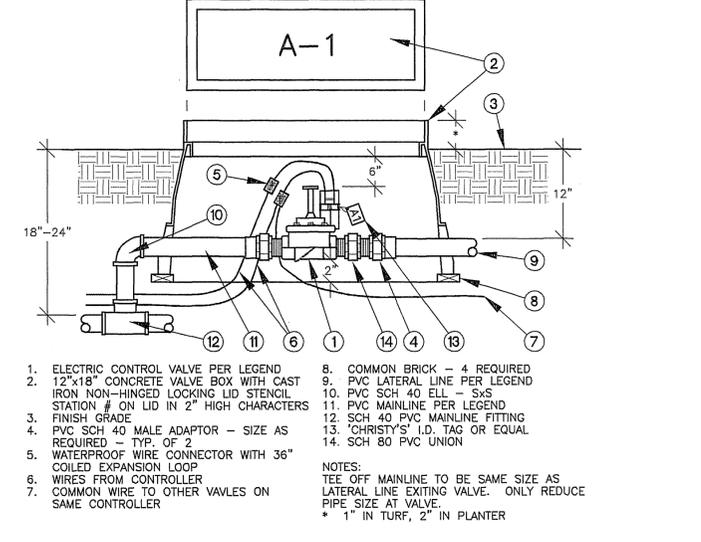
D Ball Valve



E Quick Coupler Valve



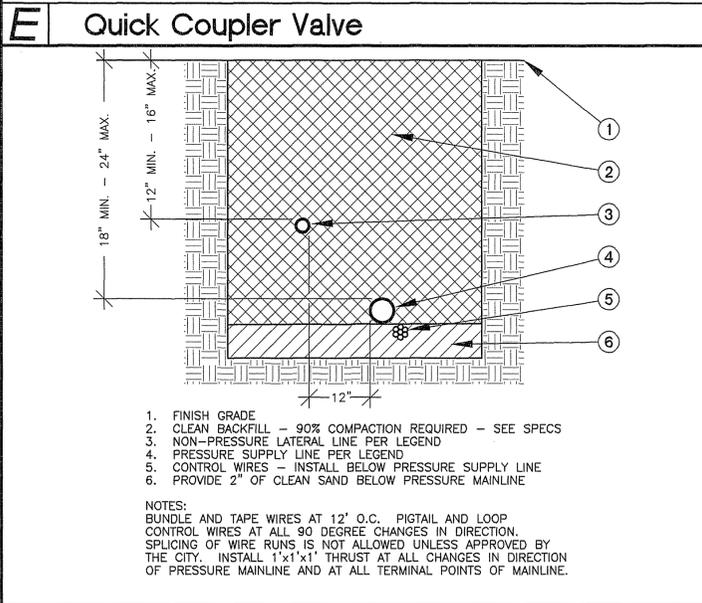
F Backflow Prevention Device



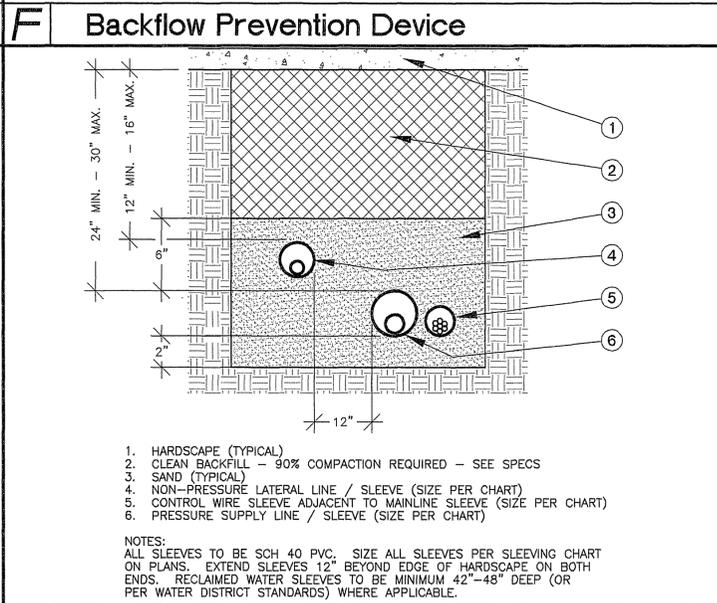
G Remote Control Electric Valve



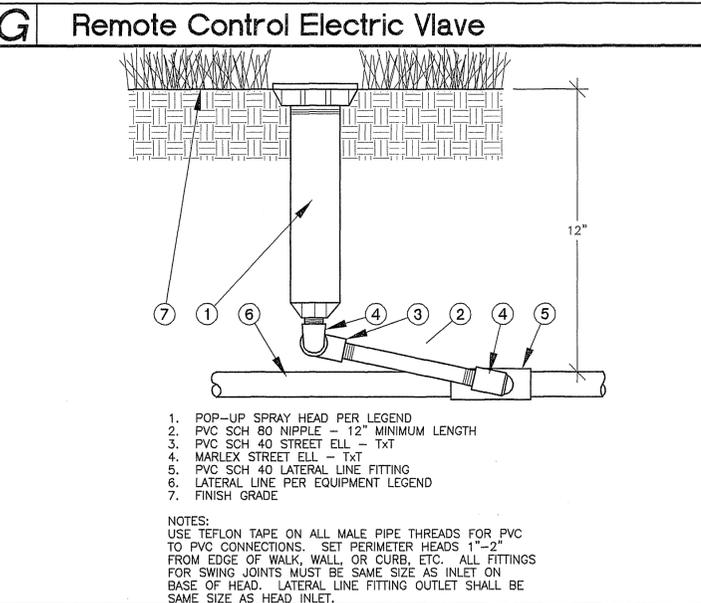
H Hi-Pop Spray Head



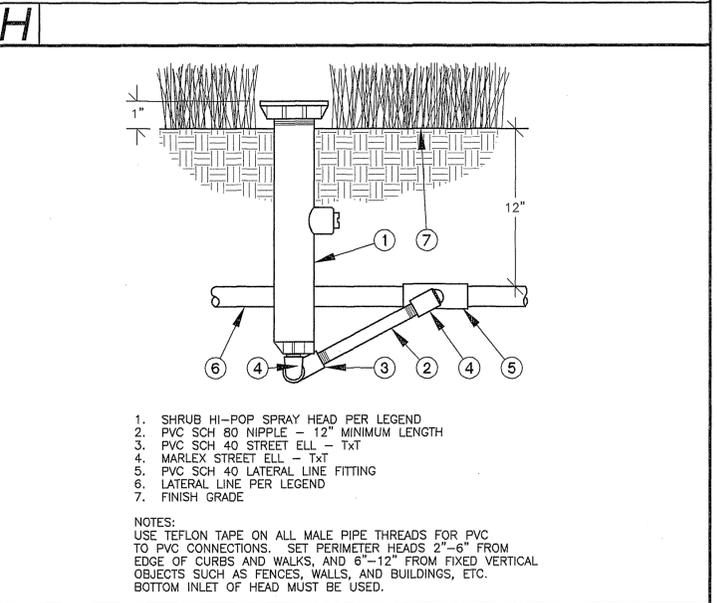
I Trenching



J Sleeving



K Pop-Up Spray Head



L Hi-Pop Spray Head

DIGALERT
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REGISTERED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
REGISTERED LANDSCAPE ARCHITECT, RLA 2110
EXPIRATION DATE 10/31/04

SCALE: N.T.S. NORTH: BENCHMARK
DATE: 10/23/02

CITY OF RIVERSIDE
3900 MAIN STREET
RIVERSIDE, CA 92522

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	TY	DRAWN BY	KCK
CHECKED BY	TY		

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] BY: DATE: 02/02/03
PARK DEPARTMENT

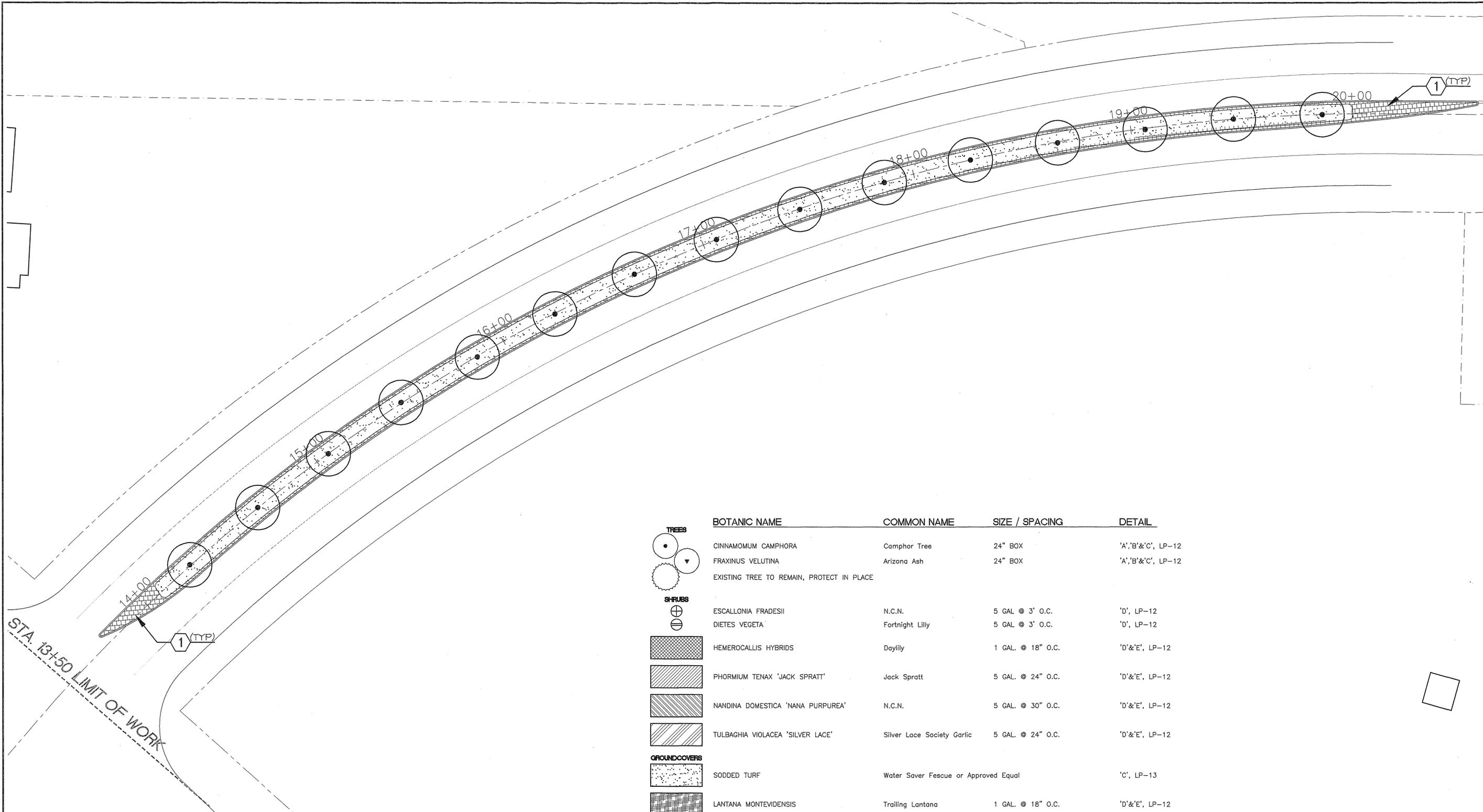
CENTRAL AVE. MEDIANS
RIVERSIDE, CA

IRRIGATION DETAILS

PROJECT NO. 020422
LI-6
SHEET 7 OF 14
FILE NO. R-3630-L

INDEXED 5-14-04 fH

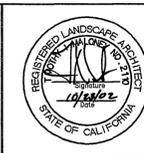
PC-4380-M/R



	BOTANIC NAME	COMMON NAME	SIZE / SPACING	DETAIL
	CINNAMOMUM CAMPHORA	Camphor Tree	24" BOX	'A','B'&'C', LP-12
	FRAXINUS VELUTINA	Arizona Ash	24" BOX	'A','B'&'C', LP-12
	EXISTING TREE TO REMAIN, PROTECT IN PLACE			
	ESCALLONIA FRADESII	N.C.N.	5 GAL. @ 3' O.C.	'D', LP-12
	DIETES VEGETA	Fortnight Lilly	5 GAL. @ 3' O.C.	'D', LP-12
	HEMEROCALLIS HYBRIDS	Daylily	1 GAL. @ 18" O.C.	'D'&'E', LP-12
	PHORMIUM TENAX 'JACK SPRATT'	Jack Spratt	5 GAL. @ 24" O.C.	'D'&'E', LP-12
	NANDINA DOMESTICA 'NANA PURPUREA'	N.C.N.	5 GAL. @ 30" O.C.	'D'&'E', LP-12
	TULBAGHIA VIOLACEA 'SILVER LACE'	Silver Lace Society Garlic	5 GAL. @ 24" O.C.	'D'&'E', LP-12
	GROUNDCOVERS			
	SODDED TURF	Water Saver Fescue or Approved Equal		'C', LP-13
	LANTANA MONTEVIDENSIS	Trailing Lantana	1 GAL. @ 18" O.C.	'D'&'E', LP-12
	TRACHELOSPERMUM JASMINOIDES	Star Jasmine	1 GAL. @ 18" O.C.	'D'&'E', LP-12
	DESCRIPTION		SUPPLIER	DETAIL
	INSTALL 4" THICK CONCRETE PAVING. PAVING TO BE STAMPED TO A 9"X9" GRID. CONCRETE TO BE QUARRY RED INTEGRAL COLOR. MAINTENANCE BAND BEHIND CURB TO BE 18" WIDE.		L.M. SCOFIELD COMPANY (800) 800-9900	DETAIL 'F' SHEET LP-12

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UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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Riverside, CA 92506
(909) 369-0700
Fax: (909) 369-4039
e-mail: comworks@pe.net
http://www.pe.net/comworks



PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
REGISTERED LANDSCAPE ARCHITECT, RLA 2110
EXPIRATION DATE 10/31/04
SCALE: 1"=20'0"
DATE: 10/23/02

CITY OF RIVERSIDE
3900 MAIN STREET
RIVERSIDE, CA 92522

MARK	REVISIONS	APPR.	DATE
DESIGNED BY TY	DRAWN BY KCK	CHECKED BY TY	

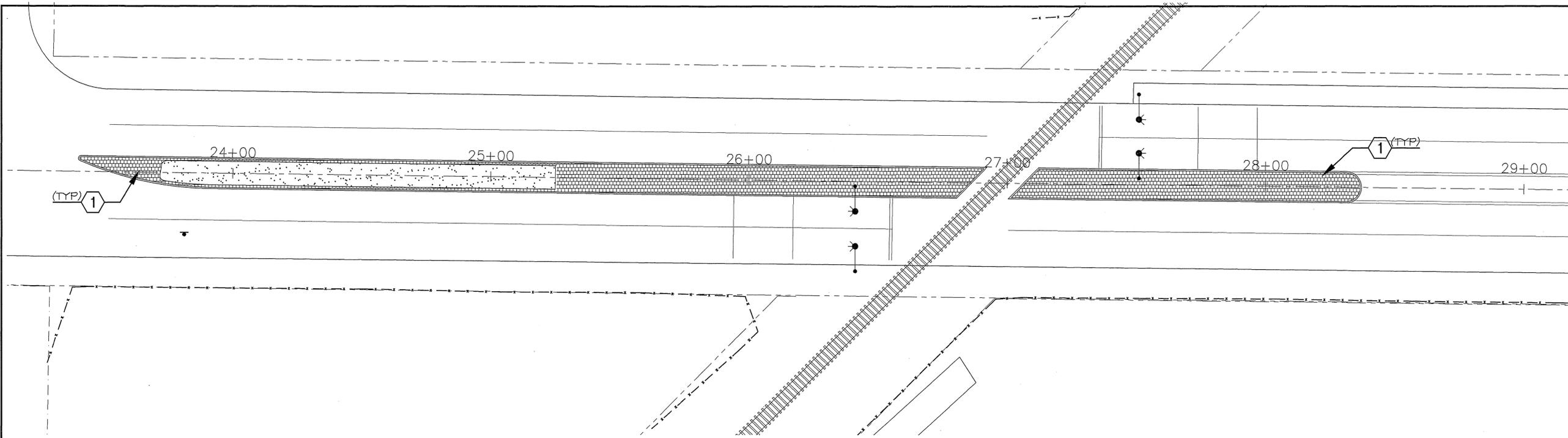
CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY [Signature]
DATE 02/09/03

CENTRAL AVE. MEDIANS
RIVERSIDE, CA
PLANTING PLAN

PROJECT NO. 020422
LP-7
SHEET 8 OF 14
FILE NO. R-3630-L

INDEXED 5-14-04 fth

PC-4389-M/R

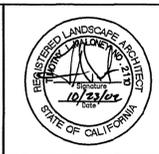


	BOTANIC NAME	COMMON NAME	SIZE / SPACING	DETAIL
TREES 	CINNAMOMUM CAMPHORA	Camphor Tree	24" BOX	'A','B'&'C', LP-12
	FRAXINUS VELUTINA	Arizona Ash	24" BOX	'A','B'&'C', LP-12
	EXISTING TREE TO REMAIN, PROTECT IN PLACE			
SHRUBS 	ESCALLONIA FRADESII	N.C.N.	5 GAL @ 3' O.C.	'D', LP-12
	DIETES VEGETA	Fortnight Lilly	5 GAL @ 3' O.C.	'D', LP-12
GROUNDCOVERS 	HEMEROCALLIS HYBRIDS	Daylily	1 GAL. @ 18" O.C.	'D'&'E', LP-12
	PHORMIUM TENAX 'JACK SPRATT'	Jack Spratt	5 GAL. @ 24" O.C.	'D'&'E', LP-12
	NANDINA DOMESTICA 'NANA PURPUREA'	N.C.N.	5 GAL. @ 30" O.C.	'D'&'E', LP-12
	TULBAGHIA VIOLACEA 'SILVER LACE'	Silver Lace Society Garlic	5 GAL. @ 24" O.C.	'D'&'E', LP-12
GROUNDCOVERS 	SODDED TURF	Water Saver Fescue or Approved Equal		'C', LP-13
	LANTANA MONTEVIDENSIS	Trailing Lantana	1 GAL. @ 18" O.C.	'D'&'E', LP-12
	TRACHELOSPERMUM JASMINOIDES	Star Jasmine	1 GAL. @ 18" O.C.	'D'&'E', LP-12

	DESCRIPTION	SUPPLIER	DETAIL
1	INSTALL 4" THICK CONCRETE PAVING. PAVING TO BE STAMPED TO A 9"X9" GRID. CONCRETE TO BE QUARRY RED INTEGRAL COLOR. MAINTENANCE BAND BEHIND CURB TO BE 18" WIDE.	L.M. SCOFIELD COMPANY (800) 800-9900	DETAIL 'F' SHEET LP-12

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 e-mail: comworks@pe.net
 http://www.pe.net/comworks



PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
 REGISTERED LANDSCAPE ARCHITECT, RLA 2110
 EXPIRATION DATE 10/31/04
 SCALE: 1"=20'0" NORTH:
 DATE: 10/23/02

CITY OF RIVERSIDE
 3900 MAIN STREET
 RIVERSIDE, CA 92522
 BENCHMARK:

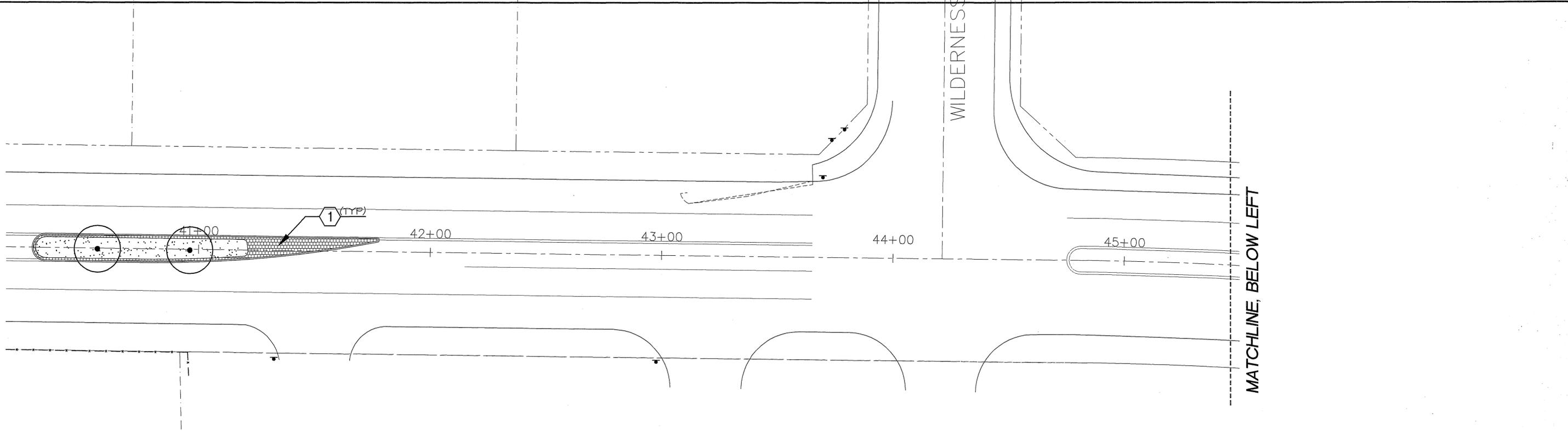
MARK	REVISIONS	APPR.	DATE

DESIGNED BY TY DRAWN BY KCK CHECKED BY TY

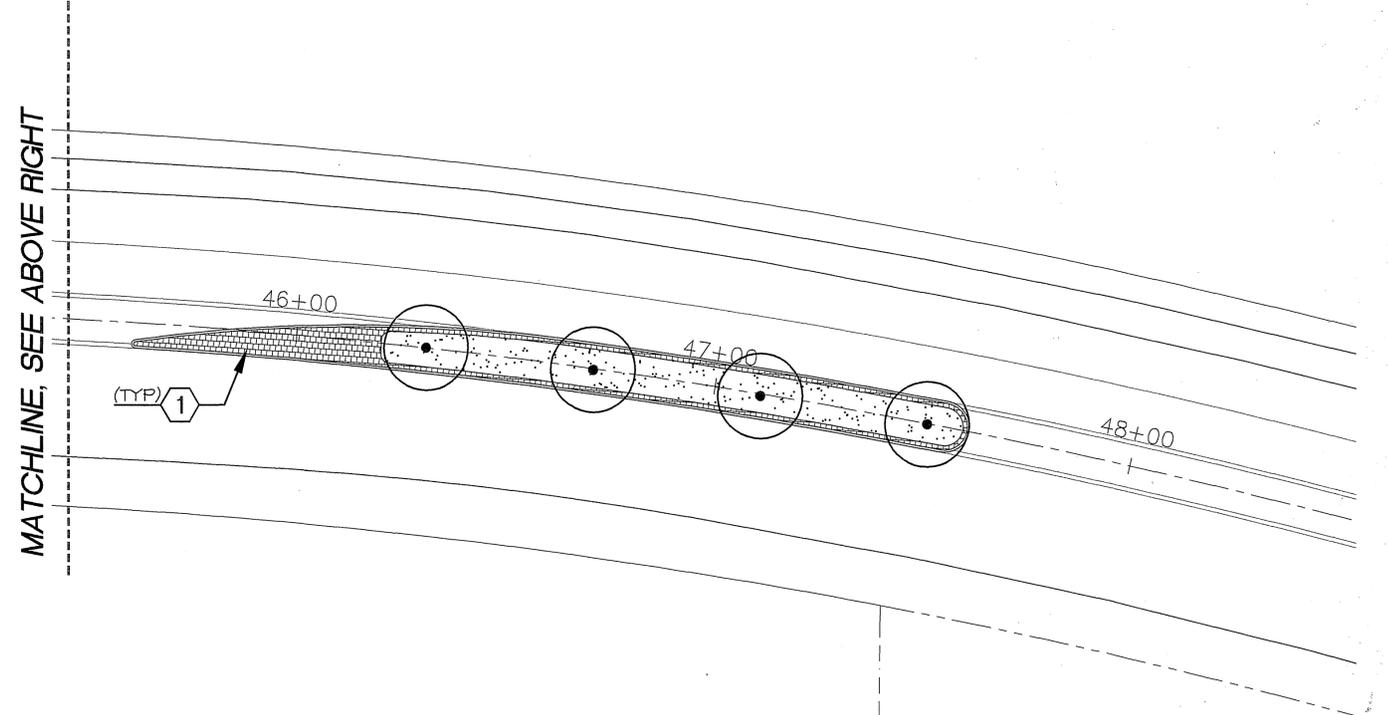
CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY:
 BY:
 DATE: 02/09/03
 PARK DEPARTMENT

CENTRAL AVE.
 MEDIANS
 RIVERSIDE, CA
PLANTING PLAN

PROJECT NO. 020422
LP-8
 SHEET 9 OF 14
 FILE NO. R-3630-L



	BOTANIC NAME	COMMON NAME	SIZE / SPACING	DETAIL
TREES	CINNAMOMUM CAMPHORA	Camphor Tree	24" BOX	'A','B'&'C', LP-12
	FRAXINUS VELUTINA	Arizona Ash	24" BOX	'A','B'&'C', LP-12
	EXISTING TREE TO REMAIN, PROTECT IN PLACE			
SHRUBS	ESCALLONIA FRADESII	N.C.N.	5 GAL. @ 3' O.C.	'D', LP-12
	DIETES VEGETA	Fortnight Lilly	5 GAL. @ 3' O.C.	'D', LP-12
GROUNDCOVERS	HEMEROCALLIS HYBRIDS	Daylily	1 GAL. @ 18" O.C.	'D'&'E', LP-12
	PHORMIUM TENAX 'JACK SPRATT'	Jack Spratt	5 GAL. @ 24" O.C.	'D'&'E', LP-12
	NANDINA DOMESTICA 'NANA PURPUREA'	N.C.N.	5 GAL. @ 30" O.C.	'D'&'E', LP-12
	TULBAGHIA VIOLACEA 'SILVER LACE'	Silver Lace Society Garlic	5 GAL. @ 24" O.C.	'D'&'E', LP-12
	SODDED TURF	Water Saver Fescue or Approved Equal		'C', LP-13
	LANTANA MONTEVIDENSIS	Trailing Lantana	1 GAL. @ 18" O.C.	'D'&'E', LP-12
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REGISTERED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA
TIMOTHY I. MALONEY
No. 11212

PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
REGISTERED LANDSCAPE ARCHITECT, RLA 2110
EXPIRATION DATE 10/31/04
SCALE: 1"=20'0" NORTH:

CITY OF RIVERSIDE
3900 MAIN STREET
RIVERSIDE, CA 92522

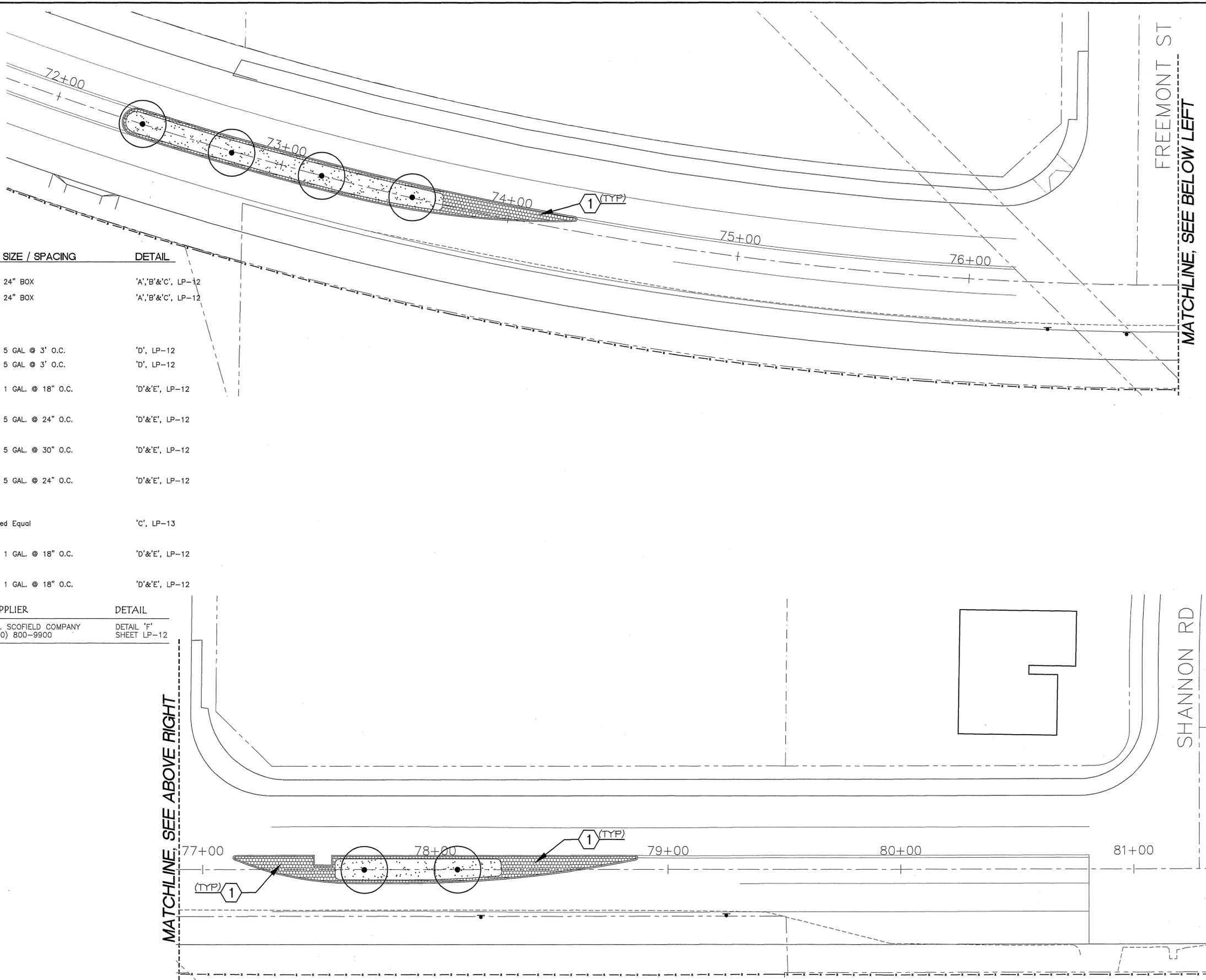
MARK REVISIONS APRR. DATE
DESIGNED BY TY DRAWN BY KCK CHECKED BY TY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY BY DATE
PARK DEPARTMENT
DATE 02/07/03

CENTRAL AVE. MEDIANS
RIVERSIDE, CA
PLANTING PLAN

PROJECT NO. 020422
LP-9
SHEET 10 OF 14
FILE NO. R-3630-L

INDEXED 5-14-04 LHM



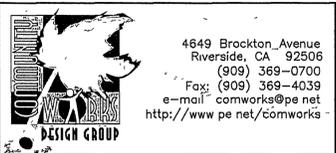
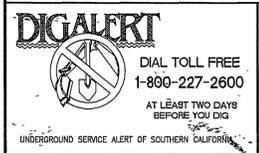
	BOTANIC NAME	COMMON NAME	SIZE / SPACING	DETAIL
TREES	CINNAMOMUM CAMPHORA	Camphor Tree	24" BOX	'A','B'&'C', LP-12
	FRAXINUS VELUTINA	Arizona Ash	24" BOX	'A','B'&'C', LP-12
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	DIETES VEGETA	Fortnight Lilly	5 GAL. @ 3' O.C.	'D', LP-12
	HEMEROCALLIS HYBRIDS	Daylily	1 GAL. @ 18" O.C.	'D'&'E', LP-12
	PHORMIUM TENAX 'JACK SPRATT'	Jack Spratt	5 GAL. @ 24" O.C.	'D'&'E', LP-12
	NANDINA DOMESTICA 'NANA PURPUREA'	N.C.N.	5 GAL. @ 30" O.C.	'D'&'E', LP-12
	TULBAGHIA VIOLACEA 'SILVER LACE'	Silver Lace Society Garlic	5 GAL. @ 24" O.C.	'D'&'E', LP-12
GROUNDCOVERS	SODDED TURF			
	Water Saver Fescue or Approved Equal			
	LANTANA MONTEVIDENSIS	Trailing Lantana	1 GAL. @ 18" O.C.	'D'&'E', LP-12
	TRACHELOSPERMUM JASMINOIDES	Star Jasmine	1 GAL. @ 18" O.C.	'D'&'E', LP-12

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MATCHLINE, SEE ABOVE RIGHT

FREEMONT ST
MATCHLINE, SEE BELOW LEFT

SHANNON RD



PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
 REGISTERED LANDSCAPE ARCHITECT, RLA 2110
 EXPIRATION DATE 10/31/04
 SCALE 1"=20'0"
 DATE 10/23/02

CITY OF RIVERSIDE
 3900 MAIN STREET
 RIVERSIDE, CA 92522

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]*
 BY: *[Signature]*
 DATE: 02/07/03

CENTRAL AVE. MEDIANS
 RIVERSIDE, CA
PLANTING PLAN

PROJECT NO. 020422
LP-10
 SHEET 11 OF 14
 FILE NO. R-3630-L

SHANNO

CARIS

CENTRAL AVE.

82+00 83+00 84+00 85+00 86+00 87+00

EXISTING PLANTING AND IRRIGATION TO BE REMOVED, DISPOSE OF OFFSITE IN LEGAL MANNER. EXISTING TREES TO REMAIN, PROTECT IN PLACE.

MATCHLINE, SEE BELOW LEFT

TREES	BOTANIC NAME	COMMON NAME	SIZE / SPACING	DETAIL
	CINNAMOMUM CAMPHORA	Camphor Tree	24" BOX	'A','B'&'C', LP-12
	FRAXINUS VELUTINA	Arizona Ash	24" BOX	'A','B'&'C', LP-12
	EXISTING TREE TO REMAIN, PROTECT IN PLACE			
SHRUBS				
	ESCALLONIA FRADESII	N.C.N.	5 GAL @ 3' O.C.	'D', LP-12
	DIETES VEGETA	Fortnight Lilly	5 GAL @ 3' O.C.	'D', LP-12
	HEMEROCALLIS HYBRIDS	Daylily	1 GAL. @ 18" O.C.	'D'&'E', LP-12
	PHORMIUM TENAX 'JACK SPRATT'	Jack Spratt	5 GAL. @ 24" O.C.	'D'&'E', LP-12
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	TULBAGHIA VIOLACEA 'SILVER LACE'	Silver Lace Society Garlic	5 GAL. @ 24" O.C.	'D'&'E', LP-12
GROUNDCOVERS				
	SODDED TURF	Water Saver Fescue or Approved Equal		'C', LP-13
	LANTANA MONTEVIDENSIS	Trailing Lantana	1 GAL. @ 18" O.C.	'D'&'E', LP-12
	TRACHELOSPERMUM JASMINOIDES	Star Jasmine	1 GAL. @ 18" O.C.	'D'&'E', LP-12
DESCRIPTION	SUPPLIER		DETAIL	
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MATCHLINE, SEE ABOVE RIGHT

EXISTING PLANTING AND IRRIGATION TO BE REMOVED, DISPOSE OF OFFSITE IN LEGAL MANNER. EXISTING TREES TO REMAIN, PROTECT IN PLACE.

88+00 89+00 90+00 91+00 92+00

STA. 92+75 LIMIT OF WORK

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REGISTERED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA
10/23/02

PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
REGISTERED LANDSCAPE ARCHITECT, RLA 2110
EXPIRATION DATE 10/31/04
SCALE: 1"=20'-0" NORTH:

CITY OF RIVERSIDE
3900 MAIN STREET
RIVERSIDE, CA 92522

MARK REVISIONS APPR. DATE
DESIGNED BY TY DRAWN BY KCK CHECKED BY TY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY BY DATE
APPROVED BY
DATE 02/07/03

CENTRAL AVE.
MEDIANS
RIVERSIDE, CA
PLANTING PLAN

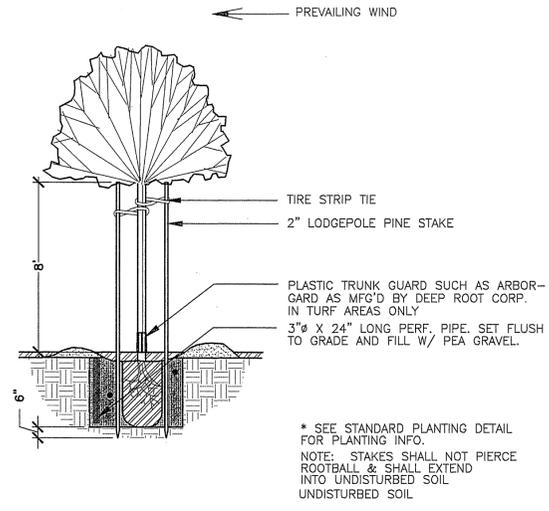
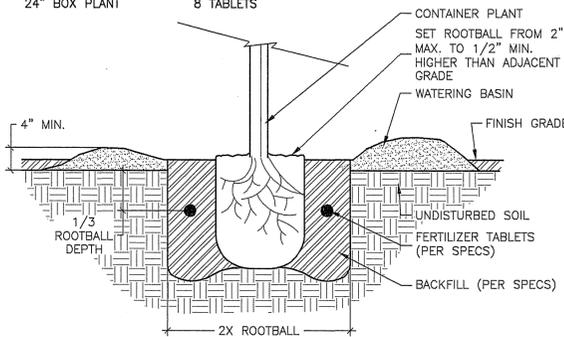
PROJECT NO. 020422
LP-11
SHEET 12 OF 14
FILE NO. R-3630-L

INDEXED 5-14-04 LHM

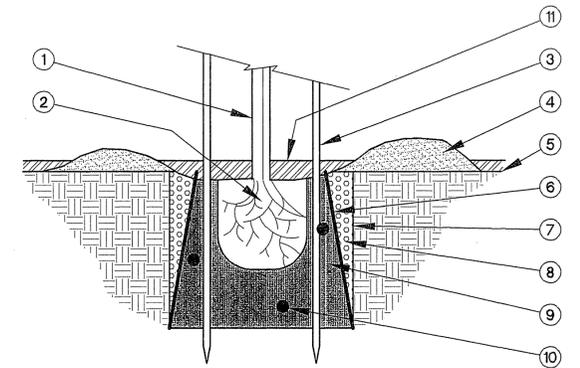
PC-4380-M/R

- GENERAL PLANTING NOTES**
- CONTACT THE INSPECTOR 48 HOURS PRIOR TO INSTALLING ANY PLANT MATERIAL.
 - TREES PLANTED IN TURF AREAS SHALL BE MAINTAINED WITH A MIN. 12" RADIUS AROUND TREE FREE FROM TURF THROUGHOUT THE MAINTENANCE PERIOD.
 - WATERING BASINS MAY BE REMOVED AFTER THE MAINTENANCE PERIOD.
 - FOR STAKING INFORMATION AS APPLICABLE, REFER TO STANDARD STAKING DETAIL.
 - FOR GUYING INFORMATION AS APPLICABLE, REFER TO STANDARD GUYING DETAIL.
 - FOR SPECIFICATION INFORMATION, REFER TO CITY OF RIVERSIDE PARK & RECREATION DEPARTMENT STANDARD SPECIFICATIONS SECTION 02480.
 - PROVIDE FERTILIZER TABLETS AS FOLLOWS:

- | | |
|-----------------|-----------|
| 1 GALLON PLANT | 2 TABLETS |
| 5 GALLON PLANT | 3 TABLETS |
| 15 GALLON PLANT | 5 TABLETS |
| 24" BOX PLANT | 8 TABLETS |



* SEE STANDARD PLANTING DETAIL FOR PLANTING INFO.
NOTE: STAKES SHALL NOT PIERCE ROOTBALL & SHALL EXTEND INTO UNDISTURBED SOIL.



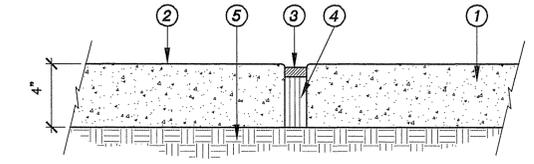
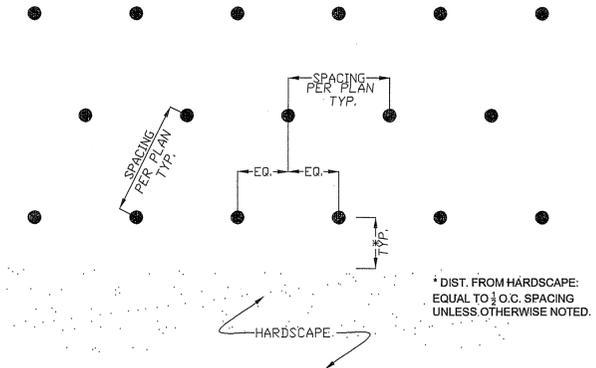
- TREE PER PLANTING DETAIL 1001
- ROOTBALL
- STAKE PER TREE STAKING DETAIL 1002
- EARTH WATERING BASIN PER PLANTING DETAIL 1001
- FINISH GRADE
- DEEP ROOT BARRIER BY 'DEEP ROOT' OR APPROVED EQUAL (800)458-7668
- TREE PLANTING PIT PER PLANTING DETAIL 1001
- 3/4"-1" CRUSHED ROCK / GRAVEL
- COMPACTED BACKFILL MIX PER PLANTING SPECS / NOTES
- PLANT TABLETS PER PLANTING SPECS / NOTES
- 2" MINIMUM DEEP MULCH PER PLANTING PLAN

A Planting - City Std. Detail 1001

B Tree Staking - City Std. Detail 1002

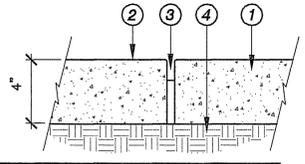
C Rootbarrier

D -



- EXPANSION JOINT:**
- CONCRETE PAVING PER PLAN
 - FINISH PER PLAN
 - POLYURETHANE CAULKING TO MATCH CONCRETE COLOR
 - 1/2" PREMOLD FIBER EXPANSION JOINT @ 20' O.C. MAX. SPACING. (EXCEPTION: JOINTS ON PERIMETER WALKS @ 50' MAX. SPACING)
 - 90% COMPACTED SUBGRADE

*NOTE:
EXISTING PAVING SHALL RELIEVE A LAYER OF TAR PAPER PRIOR TO POURING NEW CONC.



- SCORE LINE:**
- CONCRETE PAVING PER PLAN
 - FINISH PER PLAN
 - 1/4"x1" DEEP SAW CUT, CUT CONCRETE GREEN FOR BEST RESULTS
 - 90% COMPACTED SUBGRADE

E Groundcover Spacing

F Concrete Paving

G -

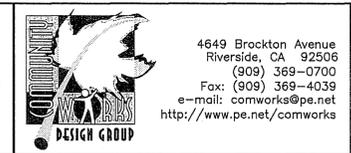
H -

I -

J -

K -

L -



PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
REGISTERED LANDSCAPE ARCHITECT, RLA 2110
EXPIRATION DATE 10/31/04

CITY OF RIVERSIDE
3900 MAIN STREET
RIVERSIDE, CA 92522

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] BY: [Signature] DATE: 02/07/03

CENTRAL AVE. MEDIANS
RIVERSIDE, CA

PLANTING DETAILS

PROJECT NO. 020422
LP-12
SHEET 13 OF 14
FILE NO. R-3630-L

FERTILIZER PROGRAM:

THREE (3) FERTILIZER APPLICATIONS ARE TO BE APPLIED TO ALL PLANTING AREAS AT THIRTY (30) DAY INTERVALS USING THE FOLLOWING FORMULA:

5 LBS. 16-16-16 COMMERCIAL FERTILIZER PER 1000 SQ. FT.

AFTER ALL SITE GRADING HAS BEEN COMPLETED, THE CITY SHALL OBTAIN, AT THE CITY'S EXPENSE, AN AGRONOMIC SOILS TEST. THE TEST SHALL BE PERFORMED BY AN APPROVED SOIL LAB AND SHALL INCLUDE ALL OF THE ABOVE INFORMATION. THE RECOMMENDATIONS OF THIS REPORT SHALL TAKE PRECEDENCE OVER THE ABOVE QUANTITIES ONLY WHEN THEY EXCEED THE ABOVE SPECIFIED MINIMUMS.

SOIL PREPARATION / BACKFILL NOTE:

TO ALL NEW PLANTING AREAS (SHRUB AND GROUND COVER), ROTOTILL THE FOLLOWING AMENDMENTS:

- TYPE 1 ORGANIC SOIL AMENDMENT - 6 CU. YDS. PER 1000 SQ. FT.
- 16-16-16 COMMERCIAL FERTILIZER - 15 LBS. PER 1000 SQ. FT.
- GYPHUM - 100 LBS. PER 100 SQ. FT.
- SOIL SULFER - PER SOILS REPORT

BACKFILL MIX FOR TREES, SHRUBS, AND VINES SHALL BE AS FOLLOWS:

- 6 PARTS BY VOLUME ON-SITE SOIL
- 4 PARTS BY VOLUME TYPE 1 ORGANIC AS ABOVE
- 2 LB. 16-16-16 COMMERCIAL FERTILIZER PER CU. YD. OF MIX
- 2 LBS. IRON SULFATE PER CU. YD. OF MIX
- 3 LBS. GYPHUM PER CU. YD. OF MIX

'NITROMULCH' SOIL AMENDMENT AVAILABLE FROM 'KELLOG SUPPLY, INC.' (800) 232-2322

SOD NOTE:

TURF GRASS SHALL BE PLANTED BY SOD LAYING AS INDICATED ON THE PLANTING PLAN. TURF SOD SHALL BE 'GALWAY', 'MARATHON III', OR CITY APPROVED EQUAL.

SODDING: IRRIGATE AREAS TO BE SODDED PRIOR TO INSTALLATION. MOISTURE SHALL BE UNIFORMLY PRESENT TO A MINIMUM DEPTH OF 6". SOD SHALL BE STORED WITHIN A SHADED AREA PRIOR TO INSTALLATION. SOD SHALL CONFORM TO ALL LAWN SHAPES AS DESIGNATED ON THE PLANTING PLANS AND SHALL BE INSTALLED IN SUCH A MANNER AS TO VISUALLY ELIMINATE ALL JOINTS AND EDGES OF SOD STRIPS. FOLLOWING INSTALLATION, IRRIGATE TURF AREAS THOROUGHLY TO PROVIDE GOOD MOISTURE PENETRATION. ROLL ALL SOD WITHIN TWO (2) DAYS FOLLOWING INSTALLATION. SOD SHALL BE UNIFORMLY SMOOTH IN APPEARANCE AND SHALL BE FLUSH WITH THE FINISH GRADE OF ALL WALKS, CURBS, ETC.

A Fertilizer Note

IRRIGATION NOTES:

1. GENERAL - ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, THESE PLANS AND THE PROJECT SPECIFICATIONS SECTION 02441 IRRIGATION. THE CONTRACTOR SHALL APPLY FOR ALL PERMITS AND PAY FOR SAME.
 - A. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AT THE SITE PRIOR TO COMMENCEMENT OF ANY WORK UNDER THIS CONTRACT.
 - B. THE CONTRACTOR SHALL CARRY ALL WORKERS COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE, AS REQUIRED BY THE CITY.
2. SCOPE OF WORK - UNLESS OTHERWISE SPECIFIED, THE CONSTRUCTION OF IRRIGATION SYSTEMS SHALL INCLUDE THE FURNISHING, INSTALLATION AND TESTING OF ALL MAINLINE, POINT OF CONNECTION, LATERAL LINES, RISERS, AND FITTINGS; AND THE FURNISHING AND INSTALLATION OF SPRINKLER HEADS, CONTROLLERS, ELECTRIC CONTROL VALVES, EXCAVATION AND BACKFILL, AND ALL OTHER WORK IN ACCORDANCE WITH THESE PLANS, DETAILS, AND NOTES. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT PROPERTY, TRANSPORTATION, AND PERFORM ALL OPERATIONS REQUIRED FOR A COMPLETE AND OPERABLE IRRIGATION SYSTEM AS INDICATED ON, OR REASONABLY IMPLIED, BY THE DRAWINGS, DETAILS, AND NOTES. INCLUDED AS A PART OF THE IRRIGATION WORK, BUT NOT LIMITED BY IT, ARE THE FOLLOWING:
 - A. INSTALL COMPLETE OPERABLE INDEPENDENT IRRIGATION SYSTEMS PER THE PLANS, DETAILS, NOTES, AND LEGENDS.
 - B. ALL IRRIGATION WORK SHALL BE GUARANTEED BY THE CONTRACTOR AS TO MATERIAL AND WORKMANSHIP, INCLUDING SETTILING OF BACKFILLED TRENCHES BELOW GRADE, FOR A PERIOD OF ONE (1) YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE OF THE WORK.
3. THE ENGINEER SHALL DECIDE ALL QUESTIONS RELATING TO THE INTERPRETATION OF THE PLANS AND SPECIFICATIONS AND THE ACCEPTABLE FULFILLMENT OF THE CONTRACT.
4. PIPING SHOWN ON THE PLANS IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL ROUTE PIPING TO AVOID CONFLICT WITH STATIONARY ELEMENTS AND IN SUCH A MANNER AS TO CONFORM WITH THE VARIOUS DETAILS AND DESIGN INTENT OF THESE PLANS.
5. THE CONTRACTOR SHALL AT ALL TIMES PROTECT HIS WORK FROM DAMAGE AND THEFT AND REPLACE ALL DAMAGED OR STOLEN PARTS AT HIS EXPENSE UNTIL THE WORK IS ACCEPTED IN WRITING BY THE CITY.
6. EXTREME CARE SHALL BE EXERCISED IN EXCAVATING AND WORKING NEAR EXISTING TREES AND UTILITIES. CONTRACTOR SHALL VERIFY THE LOCATION AND CONDITION OF ALL UTILITIES AND BE RESPONSIBLE FOR ANY DAMAGE. CONTRACTOR SHALL HAND DIG WHERE TREE ROOTS ARE ENCOUNTERED PER THE SPECIFICATIONS.
7. THE CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS, AND RUBBISH INCIDENTAL TO HIS WORK.
8. IRRIGATION DESIGN IS BASED ON AVAILABLE WATER PRESSURE AT THE FLOWS SHOWN. CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO CONSTRUCTION; SHOULD A DISCREPANCY EXIST, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO START OF WORK.
9. CONTRACTOR SHALL MAKE POINT(S) OF CONNECTION AS NOTED ON THE PLANS.
10. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING 120 VOLT SERVICE TO THE CONTROLLER; ELECTRICAL POWER WILL BE PROVIDED BY CITY AT THE CONTROLLER LOCATION SHOWN ON THE PLANS.
11. ALL WIRES SHALL BE SOLID COPPER, PLASTIC INSULATED, U.F. DIRECT BURIAL WIRE. ALL COMMON WIRE SHALL BE AWG #12 WHITE; ALL CONTROL WIRE SHALL BE AWG #14 RED OR BLACK. CONTROLLERS SHALL HAVE SEPARATE COLOR CODED COMMON WIRES WHEN TWO OR MORE CONTROLLERS ARE ON PROJECT.
12. ALL CONTROL WIRES AND IRRIGATION PIPE LINES THAT RUN UNDER PAVING SHALL BE ENCASED IN SCH 40 PVC PIPE SLEEVES. SLEEVES SHALL BE SIZED ACCORDING TO THE CHART ON THE PLANS.
13. FINAL LOCATION OF CONTROL VALVES SHALL BE APPROVED IN THE FIELD BY THE PARK PROJECTS INSPECTOR.
14. CONTRACTOR SHALL MARK VALVE STATION NUMBERS ON THE OUTSIDE OF ALL VALVE BOX LIDS PER SPECIFICATIONS.
15. ALL BRASS OR GALVANIZED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE OR LED-LUBE JOINT COMPOUND (OF APPROVED EQUAL). ALL PVC THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.
16. ALL PVC SOLVENT-WELD CONNECTIONS SHALL BE MADE WITH SOLVENT-WELD MATERIALS AS RECOMMENDED BY THE PIPE MANUFACTURER. SOLVENT-WELD PRIMER SHALL BE APPLIED AT ALL CONNECTIONS.
17. LOW HEAD DRAINAGE WILL NOT BE ALLOWED. CONTRACTOR TO DETERMINE IN THE FIELD WHICH HEADS DRAIN AFTER VALVE IS SHUT OFF. CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL IN-RISER CHECK VALVES AS NEEDED AT NO ADDITIONAL COST TO THE OWNER.

B Soil Prep/Backfill Note

IRRIGATION NOTES CONT.

18. ALL PRESSURE SUPPLY LINES AND CONTROL WIRES TO HAVE 18"MIN.-24"MAX COVER (PER DETAIL). LATERAL LINES TO HAVE 12"MIN.-18"MAX. COVER.
19. THE RADIUS OF EACH HEAD IS TO BE ADJUSTED SO THAT HEAD-TO-HEAD COVERAGE IS MAINTAINED, BUT OVERSPRAY ON BUILDINGS, WALKS, AND WALLS, ETC. IS MINIMIZED.
20. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR IS TO TURN OVER THE FOLLOWING TO THE CITY:
 - A. A REPRODUCIBLE SET OF "AS-BUILT" DRAWINGS AND CONTROLLER CHART.
 - B. 2 KEYS FOR EACH CONTROLLER AND CONTROLLER ENCLOSURE (AS APPLICABLE).
 - C. 2 QUICK COUPLER KEYS AND MATCHING HOSE SWIVELS.
 - D. 4 OF EACH SPRINKLER HEAD SPECIFIED.
21. AS-BUILT DRAWINGS - THE CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE "AS-BUILT" RECORD SET OF PRINTS WHICH SHALL BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS. PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL TRANSCRIBE ALL INFORMATION FROM THE "AS-BUILT" SET TO A MYLAR, PROCURED FROM THE CITY. ALL WORK SHALL BE NEAT AND LEGIBLE, LOCATING THE FOLLOWING ITEMS FROM PERMANENT POINTS OF REFERENCE: SHUT-OFF VALVES, MAINLINE AND CONTROL WIRE ROUTING, POC, BACKFLOW DEVICE, CONTROL VALVES, CONTROLLER, QUICK COUPLERS, AND OTHER PERTINENT UNDERGROUND ITEMS.
22. CONTROLLER CHART - UPON APPROVAL OF THE FINAL "AS-BUILT" DRAWINGS, PROVIDE ONE CHART FOR EACH CONTROLLER INSTALLED AS FOLLOWS:
 - A. THE CHART IS TO BE A REDUCED COPY OF THE APPROVED "AS-BUILT" SYSTEM (A BLACK-LINE PRINT REDUCED TO THE MAXIMUM SIZE THE CONTROLLER DOOR WILL ALLOW, COLORED WITH A DIFFERENT COLOR FOR EACH VALVE STATION).
 - B. WHEN COMPLETED AND APPROVED, THE CHART SHALL BE HERMETICALLY SEALED BETWEEN TWO (2) PIECES OF 20 MIL CLEAR PLASTIC AND MOUNTED ON THE INSIDE OF THE CONTROLLER DOOR USING VELCRO TAPE OR EQUAL.

C Sodded Turf Note

PLANTING NOTES:

1. GENERAL - ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CITY AND COUNTY CODES AND THESE PLANS.
 - A. THE CONTRACTOR SHALL CAREFULLY INSPECT THE SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF ANY WORK UNDER THIS CONTRACT.
 - B. THE CONTRACTOR SHALL CARRY ALL WORKER'S COMPENSATION, PUBLIC LIABILITY, AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY CITY.
 - C. THE CONTRACTOR SHALL APPLY FOR ALL PERMITS AND PAY FOR SAME.
 - D. ALL IRRIGATION WORK SHALL HAVE BEEN INSPECTED AND APPROVED BY THE PARK PROJECTS INSPECTOR PRIOR TO BEGINNING ANY PLANTING WORK.
 - E. THE CONTRACTOR SHALL CONTACT THE ENGINEER TO COORDINATE ALL INSPECTIONS.
 - F. THE QUALITY OF WORKMANSHIP AND MATERIALS SHALL BE OF THE HIGHEST STANDARDS. COOPERATION AND FLEXIBILITY IS EXPECTED OF THE CONTRACTOR TOWARD WORKING WITH THE CITY/LANDSCAPE ARCHITECT IN PRODUCING THE BEST POSSIBLE PRODUCT.
2. UPON COMPLETION OF EACH PHASE OF WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE SITE OF ALL ACCUMULATED RUBBISH, DEBRIS, AND OTHER EXTRANEIOUS MATERIAL.
3. SCOPE OF WORK - CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR, TRANSPORTATION, EQUIPMENT AND PROPERTY TO COMPLETE THE LANDSCAPING OF THE PLANTING AREAS AS INDICATED ON, OR REASONABLY IMPLIED BY THE DRAWINGS AND OR NOTES.
 - A. INCLUDED AS A PART OF THE WORK, BUT NOT NECESSARILY LIMITED BY IT ARE THE FOLLOWING ITEMS: FINE GRADING OF ALL PLANTING AREAS; PREPARATION OF ALL PLANTING AND TREE HOLES; FURNISHING AND INSTALLATION OF ALL PLANT MATERIALS; PROVIDING MAINTENANCE THROUGHOUT THE PROJECT PERIOD; PROVIDING PLANT ESTABLISHMENT WORK THROUGHOUT THE SPECIFIED PERIOD; CLEAN-UP AND WEEDING OF ALL LANDSCAPE AREAS; GUARANTEE OF ALL PLANT MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR.
4. THE CONTRACTOR SHALL REMOVE ALL WEEDS, ROCKS OVER 1" DIAMETER, DEBRIS AND OTHER EXTRANEIOUS MATERIAL FROM THE JOB SITE IN A LEGAL MANNER PRIOR TO PROCEEDING WITH ANY WORK UNDER THIS CONTRACT.
5. ALL TREES AND SHRUBS SHALL BE PLANTED PER THESE NOTES AND AS DETAILED. ALL PLANT MATERIAL SHALL BE OF THE HIGHEST QUALITY AND LARGEST REASONABLE SIZE AVAILABLE FOR THE SPECIFIED CONTAINER SIZE (WITHOUT BEING ROOT BOUND). SHRUB MATERIALS SHALL BE VIGOROUSLY GROWING, HEALTHY PLANT MATERIAL, FULL AND BUSHY; OF HINES WHOLESALE NURSERY / MONROVIA NURSERY COMPANY QUALITY OR EQUAL. ALL PLANT MATERIAL WILL BE INSPECTED FOR APPROVAL WHEN SPOTTED FOR PLANTING. ANY MATERIAL OF QUESTIONABLE QUALITY, OR OF LESS THAN THE LARGEST REASONABLE SIZE MATERIAL AVAILABLE WILL BE REJECTED.
6. THE PARK PROJECTS INSPECTOR SHALL APPROVE THE LOCATION OF ALL OF THE ONE GALLON, FIVE GALLON, AND FIFTEEN GALLON PLANT MATERIAL AS APPROXIMATELY SPOTTED IN THE FIELD BY THE CONTRACTOR. ALL BOXED MATERIAL SHALL BE STAKED FOR LOCATION APPROVAL PRIOR TO PLANT PIT EXCAVATION. PRIOR TO PLANTING, THE INSPECTOR WILL SELECT THE BEST SIDE AND FACE ALL SPECIMEN TREES.
7. TREE TIES SHALL BE PER CITY STANDARDS. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
8. ALL GROUND COVER AS NOTED IN THE LEGEND SHALL BE ROOTED TIP CUTTINGS FROM FLATS OR LINERS UNLESS OTHERWISE SPECIFIED, AND SHALL BE PLANTED IN STAGGERED ROWS CONTINUOUSLY UNDER ALL TREES AND SHRUBS IN THE AREAS AS DESIGNATED ON THE PLANS AND AT THE SPACING INDICATED IN THE LEGEND. ALL GROUND COVER AND SHRUB AREAS WITH LESS THAN 3:1 SLOPE SHALL RECEIVE A MIN. 2" LAYER OF MULCH AS SPECIFIED. SLOPES 3:1 AND GREATER SHALL RECEIVE JUTE NETTING.
9. TO ALL PLANTING AREAS LESS THAN 3:1 SLOPE AND PRIOR TO IRRIGATION SYSTEM INSTALLATION, CROSS RIP OR OTHERWISE TILL 12" DEEP. AFTER CROSS RIPPING, ROTO-TILL SOIL PREP AMENDMENTS 6" DEEP (SEE SOIL PREP / BACKFILL NOTE).

D -

PLANTING NOTES CONT.

10. FOR BACKFILL AROUND TREES AND SHRUBS, USE THE FORMULA AS INDICATED IN THE SOIL PREP / BACKFILL NOTE. MIXING SHALL BE DONE AT ONE LOCATION.
11. WEED ABATEMENT - TO ALL PLANTING AREAS, AFTER EARTHWORK, INSTALLATION OF IRRIGATION SYSTEM AND SOIL PREPARATION, THE FOLLOWING WEED ABATEMENT WORK SHALL BE DONE:
 - A. KEEP AREAS MOIST BY REGULAR IRRIGATIONS FOR A PERIOD OF SEVEN DAYS TO GERMINATE EXISTING WEED SEEDS.
 - B. KILL WEEDS WITH CONTACT WEED KILLER PER LICENSED HERBICIDE AGENCY SPECIFICATIONS. AFTER COMPLETE WEED KILL, REMOVE WEED RESIDUE AND TOP GROWTH.
 - C. REPEAT STEPS A & B
12. PRE-EMERGENT PROGRAM - PRIOR TO INSTALLATION OF GROUND COVER, CONTRACTOR SHALL INSTALL A PER-EMERGENT HERBICIDE, EPTAM OR EQUAL, TO ALL PROPOSED GROUND COVER AREAS PER MANUFACTURER'S RECOMMENDATIONS.
13. MAINTENANCE - THE CONTRACTOR SHALL MAINTAIN ALL PLANTED AREAS THROUGHOUT THE CONTRACT PERIOD. MAINTENANCE SHALL CONSIST OF PROPER WATERING, FERTILIZATION, WEEDING, AND GENERAL CLEAN-UP. PLANTS SHALL BE KEPT IN A HEALTHY GROWING CONDITION.
14. PLANT ESTABLISHMENT PERIOD - THE PLANT ESTABLISHMENT PERIOD SHALL COMMENCE UPON THE ENGINEER'S WRITTEN APPROVAL OF ALL PHASES OF PLANTING INSTALLATION AND SHALL BE FOR NINETY (90) CONTINUOUS CALENDAR DAYS. PLANT ESTABLISHMENT WORK SHALL INCLUDE THREE (3) FERTILIZER APPLICATIONS TO ALL PLANTED AREAS DURING THIRTY (30) DAY INTERVALS DURING THE PLANT ESTABLISHMENT PERIOD (REFER TO FERTILIZER PROGRAM NOTE FOR TYPE AND APPLICATION RATES).
15. PLANT ESTABLISHMENT PROCEDURES - THE GENERAL CARE AND MAINTENANCE OF ALL AREAS SHALL CONSIST OF PROPER WATERING, FERTILIZATION, WEEDING, CLEAN-UP, AND AS FOLLOWS:
 - A. CULTIVATE AND WEED AT NOT MORE THAN TEN (10) WORKING DAY INTERVALS.
 - B. THREE (3) FERTILIZER APPLICATIONS PER NOTE ABOVE WITH FERTILIZER AT THE RATE AND FORMULA AS INDICATED IN THE SOIL PREP/BACKFILL NOTE.
 - C. CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEMS IN A LIKE NEW, OPERATING CONDITION, ADJUSTING HEAD HEIGHTS, THROW AND SPRAY ARCS AS NECESSARY. THE CONTRACTOR IS RESPONSIBLE FOR PROPER WATERING OF ALL PLANTED AREAS, AND SHALL REPLACE ANY MATERIAL DAMAGED DUE TO IMPROPER MOISTURE.
 - D. ANY CONCENTRATED DEVELOPMENT OF WEED GROWTH THAT MAY APPEAR IN PLANTING AREAS DURING PLANT ESTABLISHMENT PERIOD SHALL BE REMOVED AT TEN (10) DAY INTERVALS. THE CONTRACTOR MAY ELECT TO REMOVE SUCH CONCENTRATIONS OF WEEDS MANUALLY OR BY AN APPROVED HERBICIDE PROGRAM.
 - E. DURING THE COURSE OF THE MAINTENANCE WORK, THE CONTRACTOR SHALL REMOVE SURPLUS MATERIALS AND DEBRIS FROM THE SITE AND SHALL KEEP THE PREMISES IN A NEAT AND CLEAN CONDITION AT ALL TIMES.
 - F. DURING THE PLANT ESTABLISHMENT PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE PROTECTION FOR ALL PLANTING AREAS. ANY DAMAGED AREAS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

E Irrigation

F Planting Notes

DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

4649 Brockton Avenue
Riverside, CA 92506
(909) 369-0700
Fax: (909) 369-4039
e-mail: comworks@pe.net
http://www.pe.net/comworks



PREPARED UNDER THE DIRECTION OF
TIMOTHY I. MALONEY
REGISTERED LANDSCAPE ARCHITECT, RLA 2110
EXPIRATION DATE 10/31/04

SCALE: N.T.S. NORTH: BENCHMARK: DATE: 10/23/02

CITY OF RIVERSIDE
3900 MAIN STREET
RIVERSIDE, CA 92522

MARK	REVISIONS	APPR.	DATE

DESIGNED BY TY DRAWN BY KCK CHECKED BY TY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
DATE: 02/07/03

CENTRAL AVE.
MEDIANS
RIVERSIDE, CA

LANDSCAPE NOTES

PROJECT NO. 020422
LP-13
SHEET 14 OF 14
FILE NO. R-3630-L

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