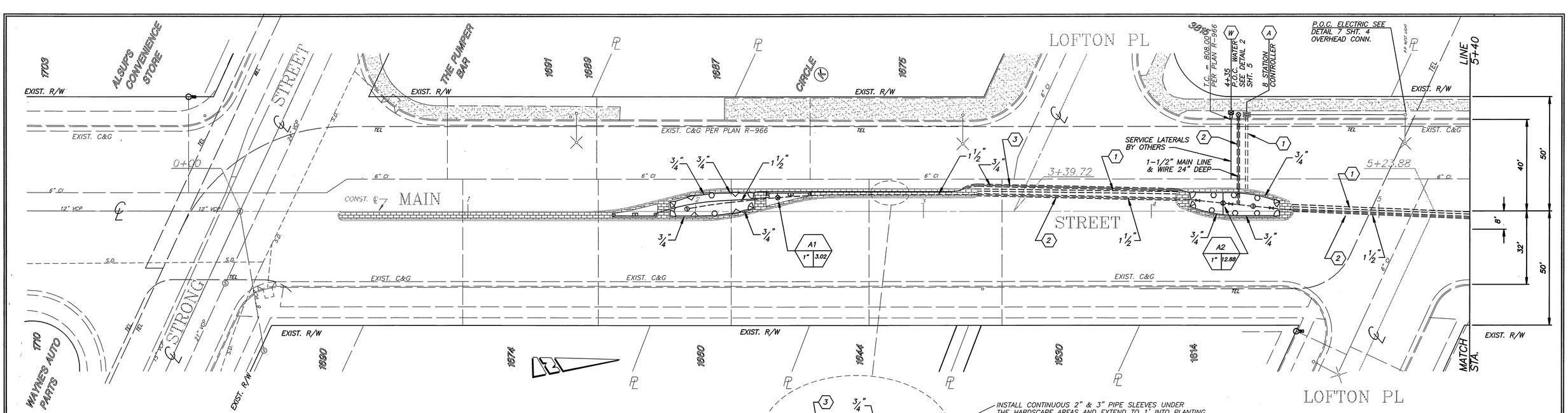
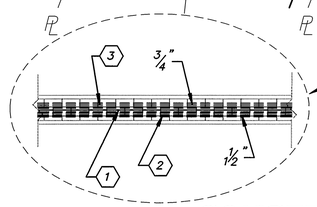


SYMBOL	DESCRIPTION	*DETAIL	REMARKS
	CONTROLLER STATION G.P.M. DEMAND SIZE PER PLAN		
	GRISWOLD 2000 REMOTE CONTROL VALVE	4	SIZE PER PLAN
	RAINBIRD 44LRC 1" QUICK COUPLER	3	
A	RAINBIRD ESP-MC CONTROLLER (NO. OF STATIONS PER PLAN)	6	6 REQUIRED
	NIBCO T-580 BALL VALVE	1	LINE SIZED
	PRESSURE MAINLINE PVC SCH 40 -		SIZE PER PLAN
	INTERMITTENT PRESSURE LATERAL LINE PVC CL200		SIZE PER PLAN
	PVC PIPE & WIRE SLEEVE SIZE PER PLAN OR 2X PIPE DIA.		
NOT SHOWN	UF DIRECT BURIAL CONTROL WIRE, SOLID COPPER		

SYMBOL	DESCRIPTION	*DETAIL	REMARKS	MIN. OP. PRESSURE	PRECIP. RATE
	FEBCO 825Y R.P. BACKFLOW PREVENTER W/WILKENS 500 YBSR PRESSURE REGULATOR/STRAINER	2	SIZE PER PLAN		
	MASTER CONTROL VALVE, GRISWOLD SERIES 2000 1-1/2" DIA.				
	TORO 570 12" HP-MPR-15H SPRAY SPRINKLER 15'R 1.65 GPM			30 PSI	1.66
	TORO 570 12" HP-MPR-12H SPRAY SPRINKLER 12'R 1.09 GPM			30 PSI	1.69
	TORO 570 12" HP-MPR-8H-PC SPRAY SPRINKLER 8'R 0.50 GPM			30 PSI	1.75
	TORO 570 12" HP-MPR-8Q SPRAY SPRINKLER 8'R X .24 GPM			30 PSI	1.68
	TORO 570 12" HP-MPR-4CST-PC SPRAY SPRINKLER 4' x 30' 0.75 GPM			30-40 PSI	1.38
	TORO 570 12" HP-MPR-4EST-PC SPRAY SPRINKLER 4' x 15' 0.38 GPM			30-40 PSI	1.38
	TORO 570 12" HP-MPR-8T SPRAY SPRINKLER 8'R 0.30 GPM			30 PSI	1.57

(*SEE SHEEET 4 OF R-3557I FOR DETAILS)



INSTALL CONTINUOUS 2" & 3" PIPE SLEEVES UNDER THE HARDSCAPE AREAS AND EXTEND TO 1' INTO PLANTING AREA (DETAIL SHOWN HERE BUT NOT ON THE PLAN VIEW, APPROX. STA. 2+25 TO STA. 4+18).

CONSTRUCTION NOTES:

1. ALL IRRIGATION LINES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN SCH. 40 P.V.C. SLEEVES, SLEEVE SIZE SHALL BE TWICE THE DIAMETER OF THE IRRIGATION PIPE SIZE (MIN.).
2. ALL IRRIGATION CONTROL WIRES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN 2" SCH. 40 P.V.C. SLEEVES (MIN.).
3. ALL IRRIGATION VALVES, BALL VALVES, QUICK COUPLERS AND BOXES ARE TO BE LOCATED IN PLANTING AREAS.

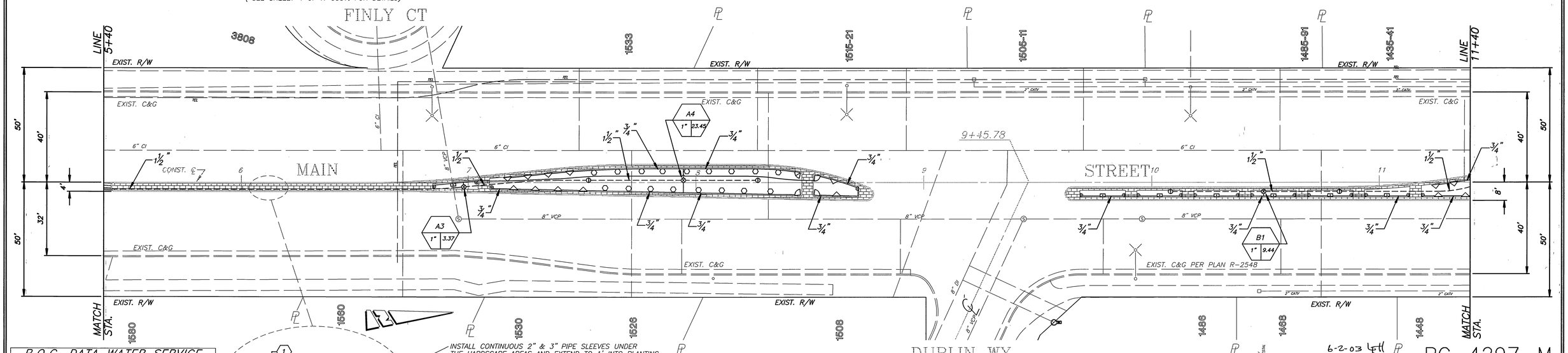
CONSTRUCTION LEGEND:

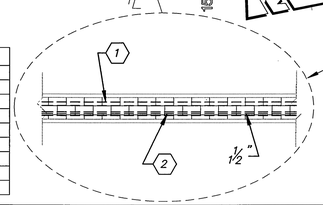
(W) 3/4" WATER METER AND SERVICE LATERAL TO BE INSTALLED BY PUBLIC UTILITIES DEPT., WATER DIVISION.

(1) INSTALL 2" DIA. P.V.C. SCH. 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN WITH A MINIMUM OF 24" COVER, TERMINATING IN BROOKS #3 PULLBOX OR CITY APPROVED EQUAL W/TRAFFIC COVER, AT EACH END, FOR IRRIGATION CONTROL WIRES.

(2) INSTALL 3" DIA. P.V.C. SCH. 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN, 24" COVER, FOR IRRIGATION SUPPLY LINE.

(3) INSTALL 2" DIA. PVC SCH. 40 SLEEVING EXTENDING 1' INTO PLANTING AREA OF MEDIAN, 24" COVER, FOR IRRIGATION LATERAL LINE.





INSTALL CONTINUOUS 2" & 3" PIPE SLEEVES UNDER THE HARDSCAPE AREAS AND EXTEND TO 1' INTO PLANTING AREA (DETAIL SHOWN HERE BUT NOT ON THE PLAN VIEW, APPROX. STA. 5+43 TO STA. 6+85).

P.O.C. DATA WATER SERVICE
METER SIZE: 3/4"
SERVICE ADDRESS: 1615 MAIN STREET
ELEVATION: 808.00
PRESSURE ZONE: GRAVITY (997 ZONE)
STATIC PRESSURE: 66 P.S.I.
SERVED AREA: HIGHEST ELEV. 809.00
LOWEST ELEV. 807.00
MAX. GPM DEMAND: 12.11
METER NO.:

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/04
DATE 8/1/00

REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 Exp. 6-30-04 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: CSS DRAWN BY: LFH CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
ENGINEERING MANAGER	JMS	8/14/00
PRINCIPAL ENGINEER		8/17/00
TRAFFIC DIVISION		8/11/00
SURVEYOR		
INSPECTION	CH	8/16/00
PARKS DEPT.		8-17-00
STORMS		8-2-00

APPROVED BY: Richard De Groot PUBLIC WORKS DIRECTOR
DATE: 8-17-00

6-2-03 4th
*AS-BUILT PER PLANS

PC-4297-M

MAIN STREET MEDIAN ISLANDS

FROM STRONG STREET TO 200' N'LY OF CARTER AVENUE

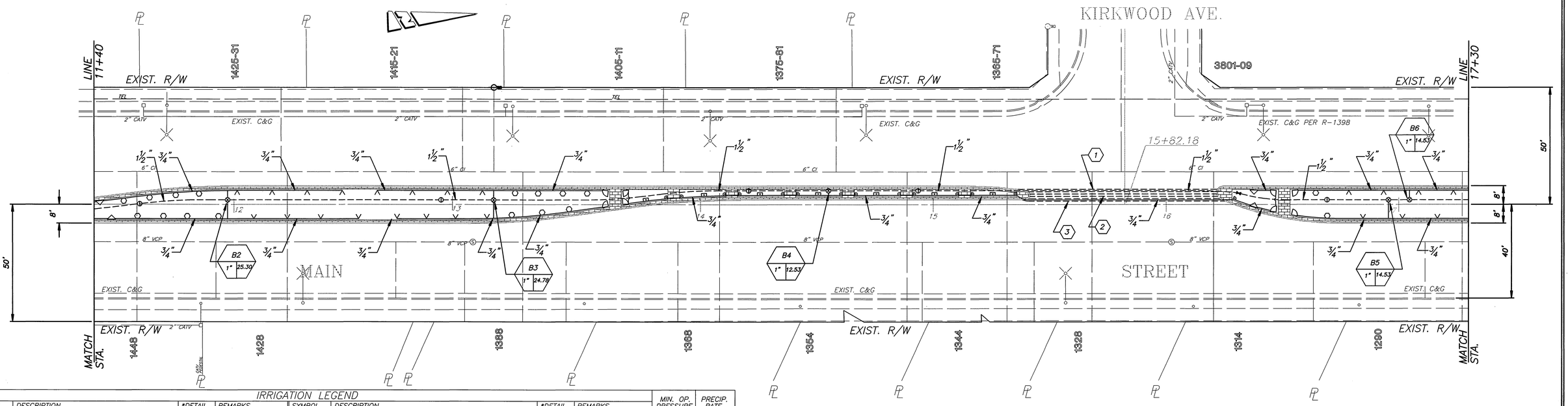
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'

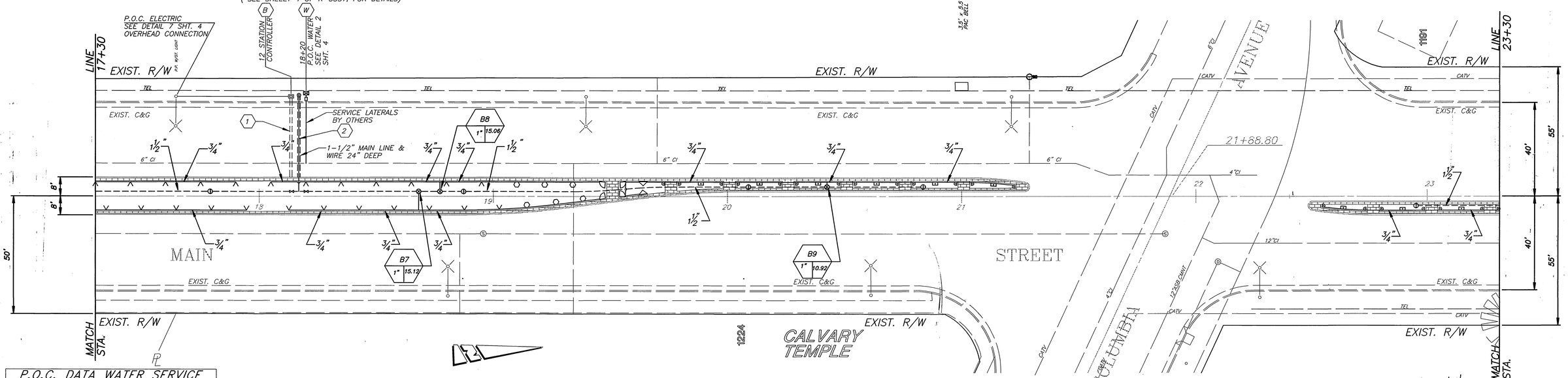
ACCT. NO. 9538127152-440223XX

R-3557I

SHEET 11 OF 4

FILE NO.





IRRIGATION LEGEND

SYMBOL	DESCRIPTION	*DETAIL	REMARKS
	CONTROLLER STATION G.P.M. DEMAND SIZE PER PLAN		
	GRISWOLD 2000 REMOTE CONTROL VALVE	4	SIZE PER PLAN
	RAINBIRD 44LRC 1" QUICK COUPLER	3	
A	RAINBIRD ESP-MC CONTROLLER (NO. OF STATIONS PER PLAN)	6	6 REQUIRED
	NIBCO T-580 BALL VALVE	1	LINE SIZED
- - - -	PRESSURE MAINLINE PVC SCH 40 -		SIZE PER PLAN
———	INTERMITTENT PRESSURE LATERAL LINE PVC CL200		SIZE PER PLAN
====	PVC PIPE & WIRE SLEEVE SIZE PER PLAN OR 2X PIPE DIA.		
NOT SHOWN	UF DIRECT BURIAL CONTROL WIRE, SOLID COPPER		

SYMBOL	DESCRIPTION	*DETAIL	REMARKS	MIN. OP. PRESSURE	PRECIP. RATE
	FEBCO 825Y R.P. BACKFLOW PREVENTER W/WILKENS 500 YBSR PRESSURE REGULATOR/STRAINER	2	SIZE PER PLAN		
	MASTER CONTROL VALVE, GRISWOLD SERIES 2000 1-1/2" DIA.				
V	TORO 570 12" HP-MPR-15H SPRAY SPRINKLER 15'R 1.65 GPM			30 PSI	1.66
	TORO 570 12" HP-MPR-12H SPRAY SPRINKLER 12'R 1.09 GPM			30 PSI	1.69
	TORO 570 12" HP-MPR-8H-PC SPRAY SPRINKLER 8'R 0.50 GPM			30 PSI	1.75
	TORO 570 12" HP-MPR-8Q SPRAY SPRINKLER 8'R X .24 GPM			30 PSI	1.68
	TORO 570 12" HP-MPR-4CST-PC SPRAY SPRINKLER 4' x 30' 0.75 GPM			30-40 PSI	1.38
D	TORO 570 12" HP-MPR-4EST-PC SPRAY SPRINKLER 4' x 15' 0.38 GPM			30-40 PSI	1.38
	TORO 570 12" HP-MPR-8T SPRAY SPRINKLER 8'R 0.30 GPM			30 PSI	1.57

(*SEE SHEEET 4 OF R-35571 FOR DETAILS)

(B) (W)

CONSTRUCTION NOTES:

1. ALL IRRIGATION LINES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN SCH. 40 P.V.C. SLEEVES, SLEEVE SIZE SHALL BE TWICE THE DIAMETER OF THE IRRIGATION PIPE SIZE (MIN.).
2. ALL IRRIGATION CONTROL WIRES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN 2" SCH. 40 P.V.C. SLEEVES (MIN.).
3. ALL IRRIGATION VALVES, BALL VALVES, QUICK COUPLERS AND BOXES ARE TO BE LOCATED IN PLANTING AREAS.

CONSTRUCTION LEGEND:

(W) 3/4" WATER METER AND SERVICE LATERAL TO BE INSTALLED BY PUBLIC UTILITIES DEPT., WATER DIVISION.

(1) INSTALL 2" DIA. P.V.C. SCH. 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN WITH A MINIMUM OF 24" COVER, TERMINATING IN BROOKS #3 PULLBOX OR CITY APPROVED EQUAL W/TRAFFIC COVER, AT EACH END, FOR IRRIGATION CONTROL WIRES.

(2) INSTALL 3" DIA. P.V.C. SCH. 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN, 24" COVER, FOR IRRIGATION SUPPLY LINE.

(3) INSTALL 2" DIA. PVC SCH. 40 SLEEVING EXTENDING 1' INTO PLANTING AREA OF MEDIAN, 24" COVER, FOR IRRIGATION LATERAL LINE.

P.O.C. DATA WATER SERVICE

METER SIZE: 3/4"
SERVICE ADDRESS: 1287 MAIN STREET
ELEVATION: 812.00
PRESSURE ZONE: GRAVITY (997 ZONE)
STATIC PRESSURE: 64 P.S.I.
SERVED AREA: HIGHEST ELEV. 813.00
LOWEST ELEV. 809.00
MAX. GPM DEMAND: 15.12 G.P.M.
METER NO.:

ENGINEER IN RESPONSIBLE CHARGE

MICHAEL KATUSIAN
R.C.E. No. 35686 expires 6/30/04
DATE 8/17/00

REGISTERED PROFESSIONAL ENGINEER — MICHAEL KATUSIAN — No. 35686 Exp. 6-30-04 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: CSS DRAWN BY: LFH CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
ENGINEERING MANAGER	TJS	8/16/00
PRINCIPAL ENGINEER	CSS	8/17/00
TRAFFIC DIVISION	SA	8/17/00
PARKS DEPARTMENT	RGS	08/21/00
INSPECTION	RM	8/16/00
SURVEYOR		
STREETS	RM	8/16/00

APPROVED BY: Richard McGrath
PUBLIC WORKS DIRECTOR
DATE: 8-17-00

MAIN STREET MEDIAN ISLANDS

FROM STRONG STREET TO 200' N'LY OF CARTER AVENUE

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'

ACCT. NO. 9538127152-440223XX

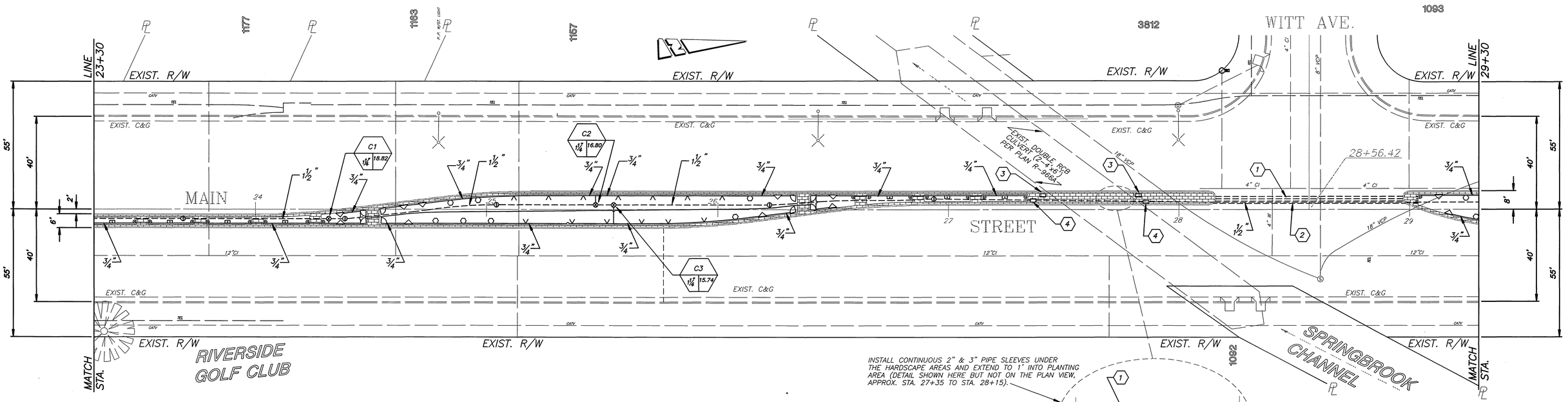
R-35571

SHEET 12 OF 4

FILE NO.

PC-4297-M

*AS-BUILT PER PLANS 6-2-03 FH



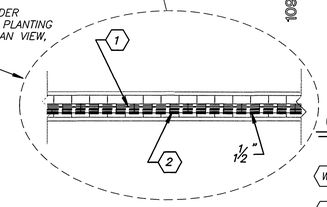
IRRIGATION LEGEND

SYMBOL	DESCRIPTION	*DETAIL	REMARKS
	CONTROLLER STATION G.P.M. DEMAND SIZE PER PLAN		
	GRISWOLD 2000 REMOTE CONTROL VALVE	4	SIZE PER PLAN
	RAINBIRD 44LRC 1" QUICK COUPLER	3	
A	RAINBIRD ESP-MC CONTROLLER (NO. OF STATIONS PER PLAN)	6	6 REQUIRED
	NIBCO T-580 BALL VALVE	1	LINE SIZED
- - - -	PRESSURE MAINLINE PVC SCH 40 -		SIZE PER PLAN
———	INTERMITTENT PRESSURE LATERAL LINE PVC CL200		SIZE PER PLAN
= = = =	PVC PIPE & WIRE SLEEVE SIZE PER PLAN OR 2X PIPE DIA.		
NOT SHOWN	UF DIRECT BURIAL CONTROL WIRE, SOLID COPPER		

SYMBOL	DESCRIPTION	*DETAIL	REMARKS	MIN. OP. PRESSURE	PRECIP. RATE
	FEBCO 825Y R.P. BACKFLOW PREVENTER W/WILKENS 500 YBSR PRESSURE REGULATOR/STRAINER	2	SIZE PER PLAN		
	MASTER CONTROL VALVE, GRISWOLD SERIES 2000 1-1/2" DIA.				
	TORO 570 12" HP-MPR-15H SPRAY SPRINKLER 15'R 1.65 GPM			30 PSI	1.66
	TORO 570 12" HP-MPR-12H SPRAY SPRINKLER 12'R 1.09 GPM			30 PSI	1.69
	TORO 570 12" HP-MPR-8H-PC SPRAY SPRINKLER 8'R 0.50 GPM			30 PSI	1.75
	TORO 570 12" HP-MPR-8Q SPRAY SPRINKLER 8'R x .24 GPM			30 PSI	1.68
	TORO 570 12" HP-MPR-4CST-PC SPRAY SPRINKLER 4' x 30' 0.75 GPM			30-40 PSI	1.38
	TORO 570 12" HP-MPR-4EST-PC SPRAY SPRINKLER 4' x 15' 0.38 GPM			30-40 PSI	1.38
	TORO 570 12" HP-MPR-8T SPRAY SPRINKLER 8'R 0.30 GPM			30 PSI	1.57

(*SEE SHEEET 4 OF R-35571 FOR DETAILS)

INSTALL CONTINUOUS 2" & 3" PIPE SLEEVES UNDER THE HARDSCAPE AREAS AND EXTEND TO 1' INTO PLANTING AREA (DETAIL SHOWN HERE BUT NOT ON THE PLAN VIEW, APPROX. STA. 27+35 TO STA. 28+15).



CONSTRUCTION NOTES:

1. ALL IRRIGATION LINES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN SCH. 40 P.V.C. SLEEVES, SLEEVE SIZE SHALL BE TWICE THE DIAMETER OF THE IRRIGATION PIPE SIZE (MIN.).
2. ALL IRRIGATION CONTROL WIRES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN 2" SCH. 40 P.V.C. SLEEVES (MIN.).
3. ALL IRRIGATION VALVES, BALL VALVES, QUICK COUPLERS AND BOXES ARE TO BE LOCATED IN PLANTING AREAS.

CONSTRUCTION LEGEND:

- (W) 3/4" WATER METER AND SERVICE LATERAL TO BE INSTALLED BY PUBLIC UTILITIES DEPT., WATER DIVISION.
- (1) INSTALL 2" DIA. P.V.C. SCH. 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN WITH A MINIMUM OF 24" COVER, TERMINATING IN BROOKS #3 PULLBOX OR CITY APPROVED EQUAL W/TRAFFIC COVER, AT EACH END, FOR IRRIGATION CONTROL WIRES.
- (2) INSTALL 3" DIA. P.V.C. SCH. 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN, 24" COVER, FOR IRRIGATION SUPPLY LINE.
- (3) INSTALL PULLBOX PER STD. 606 TO ACCOMMODATE 2" PVC SLEEVE AND IRRIGATION CONTROL WIRES DUE TO SHALLOW COVER OVER EXISTING RCB.
- (4) INSTALL PULBOX PER STD. 606 TO ACCOMMODATE 3" PVC SLEEVE FOR IRRIGATION SUPPLY LINE DUE TO SHALLOW COVER OVER EXISTING RCB.

P.O.C. DATA WATER SERVICE

METER SIZE: 3/4"
SERVICE ADDRESS: 1084 MAIN STREET
ELEVATION: 817.00
PRESSURE ZONE: GRAVITY (997 ZONE)
STATIC PRESSURE: 62 P.S.I.
SERVED AREA: HIGHEST ELEV. 819.00
LOWEST ELEV. 816.00
MAX. GPM DEMAND: 15.61 G.P.M.
METER NO.:

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 35686, expires 6/30/04
DATE 7/1/00

REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 35686 Exp. 6-30-04 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: CSS DRAWN BY: LFH CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
ENGINEERING MANAGER		
PRINCIPAL ENGINEER		
TRAFFIC DIVISION		
PARKS DEPARTMENT		
INSPECTION		
SURVEYOR		
STREETS		

APPROVED BY: Richard McGrath PUBLIC WORKS DIRECTOR
DATE: 8-17-00

MAIN STREET MEDIAN ISLANDS
FROM STRONG STREET TO 200' N'LY OF CARTER AVENUE

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'

ACCT. NO. 9538127152-9902223XX

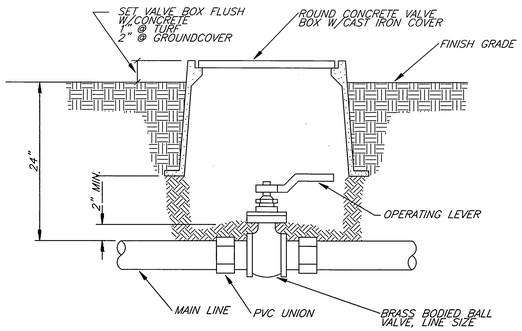
R-35571

SHEET 13 OF 4

FILE NO.

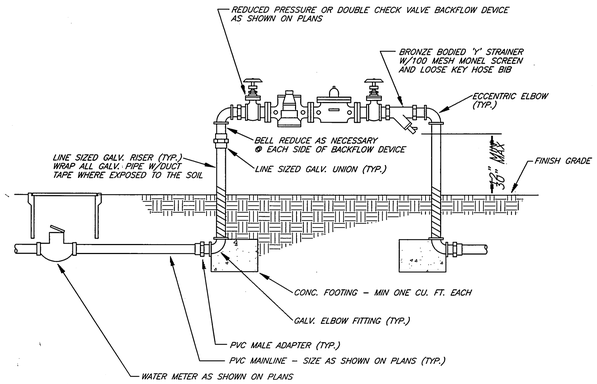
PC-4297-M

* AS-BUILT PER PLANS 6-2-03 LFH



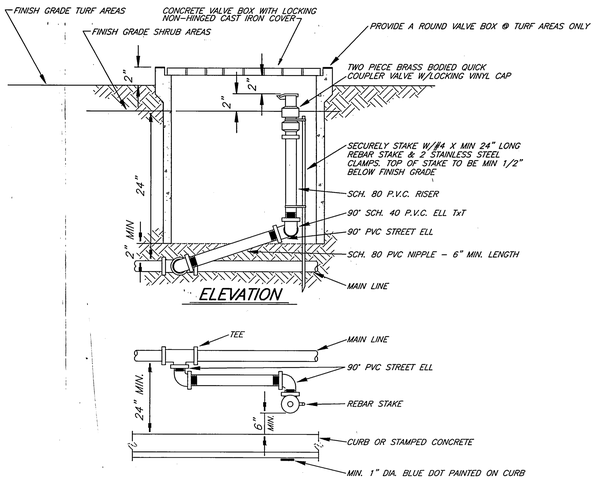
1 TYPICAL BALL VALVE ASSEMBLY

NO SCALE



2 TYPICAL BACKFLOW DEVICE

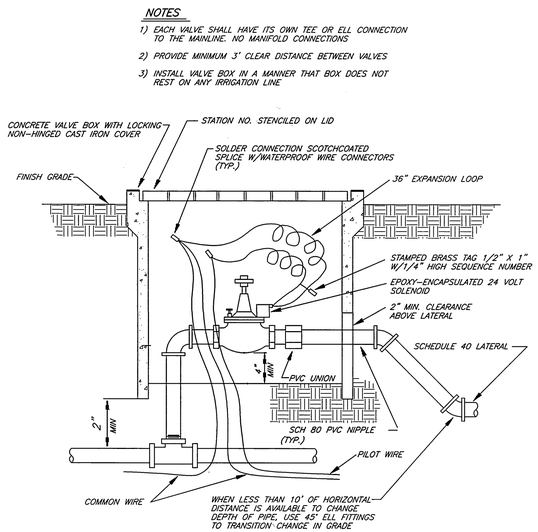
NO SCALE



3 TYPICAL QUICK COUPLER VALVE

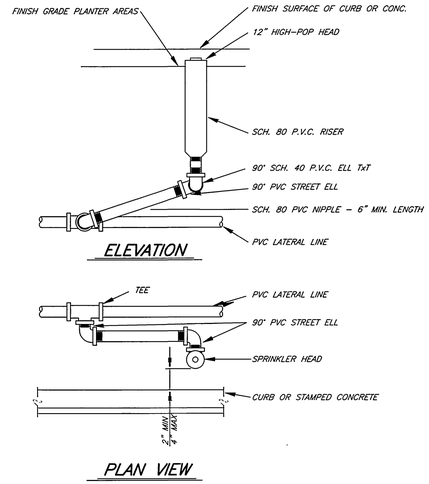
NO SCALE

(NOTE: PROVIDE A ROUND CONCRETE VALVE BOX IN TURF AREAS)



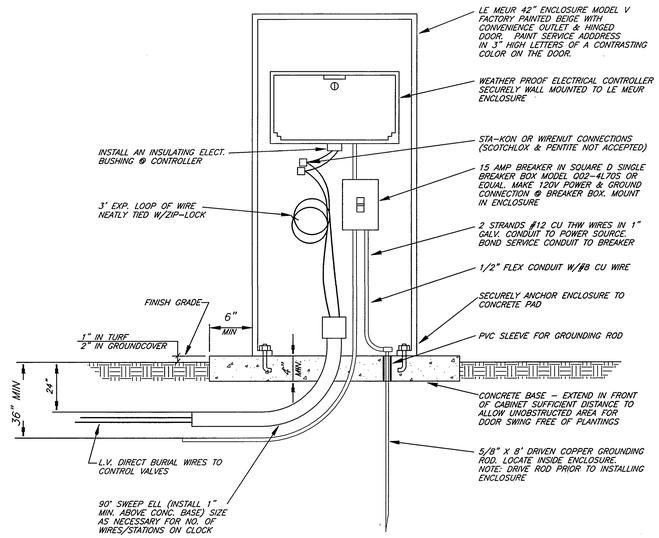
4 TYPICAL AUTOMATIC VALVE

NO SCALE



5 TYPICAL SPRAY HEAD ASSEMBLY

NO SCALE

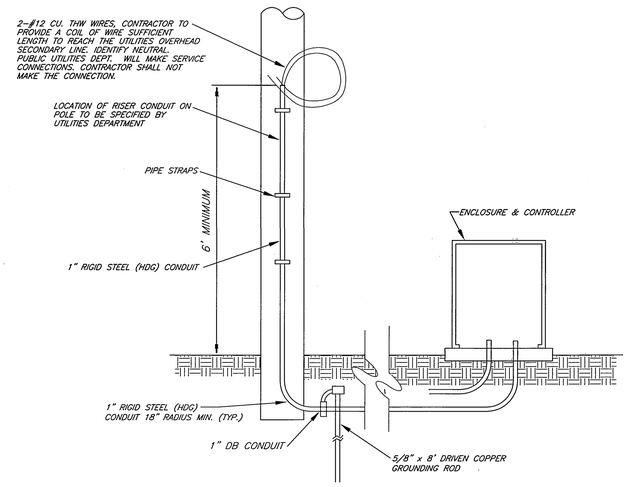


6 TYPICAL CONTROLLER

NO SCALE

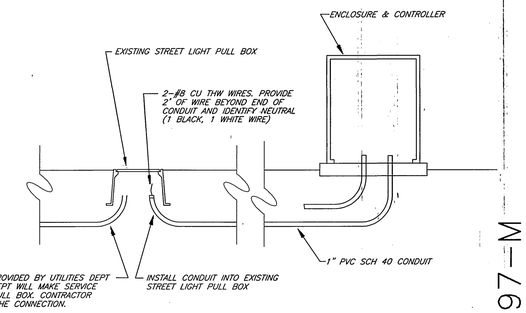
POINT OF CONNECTION ELECTRIC NOTES

1. ALL FACILITIES INSTALLED BY THE CONTRACTOR SHALL BE INSPECTED AND APPROVED BY THE UTILITIES DEPT CONSTRUCTION INSPECTOR (PH. 782-3429). ANY CHANGES SHALL BE APPROVED BY THE UTILITIES DEPT. PRIOR TO EXECUTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL PHASES OF CONSTRUCTION WITH THE UTILITIES DEPT. CONSTRUCTION INSPECTOR AND CONSTRUCTION SUPERINTENDANT (PH. 351-6173)
2. ALL IRRIGATION CONTROLLER FEED POINTS TO BE CONNECTED BY PUBLIC UTILITIES DEPT. AND ENERGIZED WHEN CLEARED BY UTILITIES DEPT. INSPECTOR.
3. ALL WIRE TO BE #12 CU. THW.
4. CONDUIT AND FITTINGS TO BE IN CONFORMANCE WITH UGS-100. BACKFILL TO BE TYPE AND COMPACTED AS SPECIFIED IN UGS-100.1.
5. PROVIDE RELEASE LETTER AUTHORIZING ENERGIZATION, SIGNED BY RESPONSIBLE PERSON IN CHARGE. OBTAIN FORM LETTER FROM UTILITY INSPECTOR.



7 TYPICAL OVERHEAD ELECTRIC CONNECTION

NO SCALE



8 TYPICAL UNDERGROUND ELECTRICAL CONNECTION

NO SCALE

*AS-BUILT PER PLANS 6-2-03 LFH

PC-4297-M

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/04
DATE 6/30

REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 Exp. 6-30-04 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY GSS DRAWN BY LFH CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	JTR	8/11/00
PRINCIPAL ENGINEER		
~~STREET SERVICES~~ Parks	RR	8/11/00
SURVEYOR		
TRAFFIC DIVISION		8/11/00
PARKS DEPARTMENT		8/11/00
STREETS		8/11/00

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 8-17-00

MAIN STREET MEDIAN ISLANDS
FROM STRONG STREET TO 200' N'LY OF CARTER AVENUE

ACCT. NO. 9538127152-440223XX

R-35571

SHEET 14 OF 4

FILE NO.