

# RIVERSIDE CITY OF RIVERSIDE CALIFORNIA

## GENERAL CONSTRUCTION NOTES:

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
- EXISTING UTILITIES SHOWN ON THE PLANS, ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THESE PLANS.

## CONSTRUCTION LEGEND:

- 100** NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- 1** INSTALL 2" DIAMETER PVC SCHEDULE 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN, WITH A MINIMUM OF 24" COVER, TERMINATING IN BROOKS #3 PULLBOX OR CITY APPROVED EQUAL WITH TRAFFIC COVER AT EACH END, FOR IRRIGATION CONTROL WIRES.
- 2** INSTALL 3" DIAMETER PVC SCHEDULE 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN, 24" COVER, FOR IRRIGATION SUPPLY LINES.

## GENERAL NOTES FOR PUBLIC LANDSCAPES:

- 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).
- WHEN CALLING FOR INSPECTIONS CONTACT THE ENGINEER A MINIMUM OF 72 HOURS IN ADVANCE AT (909) 826-5671, 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 REQUIRED PER THE STANDARD SPECIFICATION, AND INCLUDE BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING:
  - AFTER COMPLETION OF FINAL GRADING OF THE MEDIAN AND WHEN ALL UTILITY SERVICES AND SEWER LATERALS HAVE BEEN MARKED, BUT PRIOR TO INITIATING ANY LANDSCAPE WORK WITHIN THE PUBLIC RIGHT OF WAY;
  - AT THE TIME OF INSTALLATION OF IRRIGATION SYSTEMS AND CONSTANT PRESSURE MAINLINES, BUT PRIOR TO BACKFILL OF TRENCHES FOR SAME (NOTE: MAINLINES MUST BE PRESSURE TESTED IN THE PRESENCE OF THE ENGINEER);
  - AT THE TIME OF INSTALLATION OF IRRIGATION VALVES, LATERALS AND HEADS;
  - FOR SPOTTING OF ALL TREES PRIOR TO DIGGING PLANTING PITS;
  - WHILE DIGGING PLANT PITS AND PLANTING/RELOCATING TREES;
  - AFTER PLANTING AND ALL OTHER INDICATED OR SPECIFIED WORK HAS BEEN COMPLETED, FOR START OF MAINTENANCE;
  - AT SUBSTANTIAL COMPLETION OF THE PROJECT FOR CITY'S ACCEPTANCE BEFORE THE START OR THE REQUIRED MAINTENANCE PERIOD;
  - AT THE END OF THE MAINTENANCE PERIOD, THE CONTRACTOR SHALL CALL THE ENGINEER AT (909) 826-5671 FOR A FINAL ACCEPTANCE INSPECTION IN ORDER TO BE RELEASED FROM MAINTENANCE. CONTRACT BONDS WILL NOT BE RELEASED UNTIL AFTER RECEIPT OF WRITTEN NOTIFICATION FROM THE CITY THAT THE PROJECT HAS PASSED FINAL ACCEPTANCE INSPECTION AND THE CITY IS ASSUMING MAINTENANCE RESPONSIBILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD OF ONE YEAR (365 CALENDAR DAYS).

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

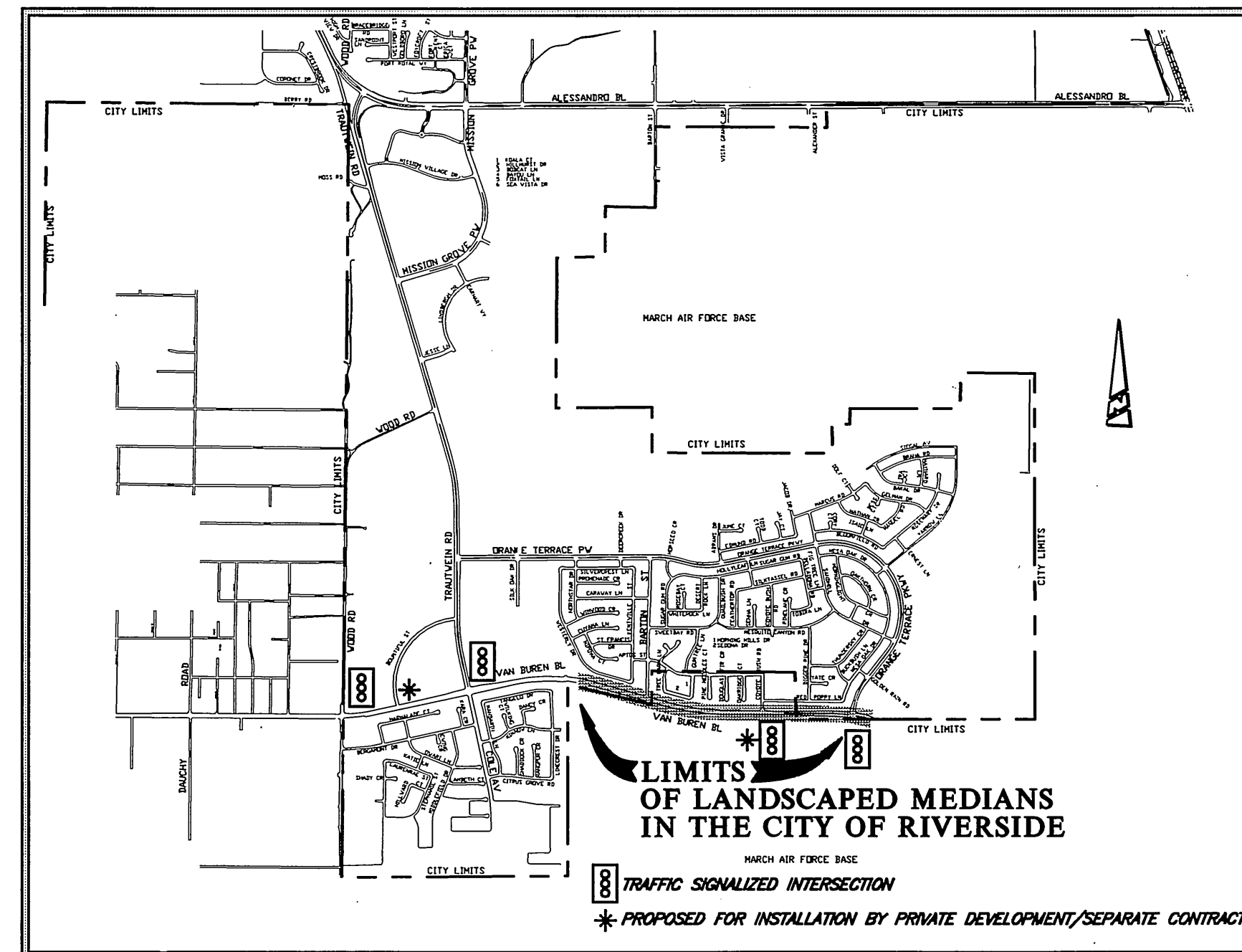
## PUBLIC WORKS DEPARTMENT VAN BUREN BLVD. LANDSCAPED MEDIANS FROM 1,060' E'LY OF TRAUTWEIN RD. TO ORANGE TERRACE PKWY.

### EXISTING UNDERGROUND UTILITIES:

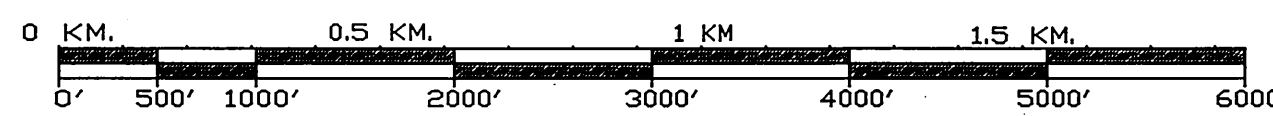
SANITARY SEWER	8" S	TELEPHONE CONDUIT	T
WATER LINE	6" W	ELECTRICAL CONDUIT	E
STORM DRAIN	24" SD	ELECTROLIER LIGHTING CONDUIT	ELC
GAS LINE	3" G	TRAFFIC SIGNAL	SIG
ABANDONED UTILITY	6" G (ABAND'D.)	FIRE ALARM	F

### EXISTING TOPOGRAPHY:

BLOCK WALL	POLE & GUY ANCHOR	PEDESTRIAN PUSH BUTTON
BOARD FENCE	POWER POLE	RAILROAD TRACKS
WIRE FENCE	TELEPHONE POLE	RAILROAD SIGN
CHAIN LINK FENCE	TELEPHONE RISER	RAILROAD SIGNAL
SANITARY SEWER M.H.	JOINT USE POLE	TRAFFIC SIGNAL
SANITARY SEWER CLEANOUT	PULL BOX	TRAFFIC SIGNAL ON MAST ARM
STORM DRAIN M.H.	TRAFFIC SIGN	TRAFFIC SIGNAL CONTROLLER
IRRIGATION WEIR	PARKING METER	TRAFFIC SIGNAL PRESSURE DETECTOR
WATER M.H.	FIRE ALARM BOX	TRAFFIC SIGNAL LOOP DETECTOR
GAS M.H.	STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM	STREET LIGHT (UPRIGHT)
ELECTRIC M.H.	GAS METER	STREET LIGHT ON MAST ARM
TELEPHONE M.H.	MAIL BOX	STEEL POST
WATER METER	FAUCET	WOOD POST
FIRE HYDRANT	WALK-DON'T WALK PEDESTRIAN SIGNAL	
SPRINKLER HEAD	ELECTRICAL TEST STATION	
VALVE	WHEEL STOP	
AIR VALVE	A.C. BERM	
AIR VENT		
BUS STOP SIGN		
BLOW-OFF VALVE		
IRRIGATION STAND PIPE		
CONCRETE		
ASPHALT		
BUILDING		
EDGE OF PAVEMENT		



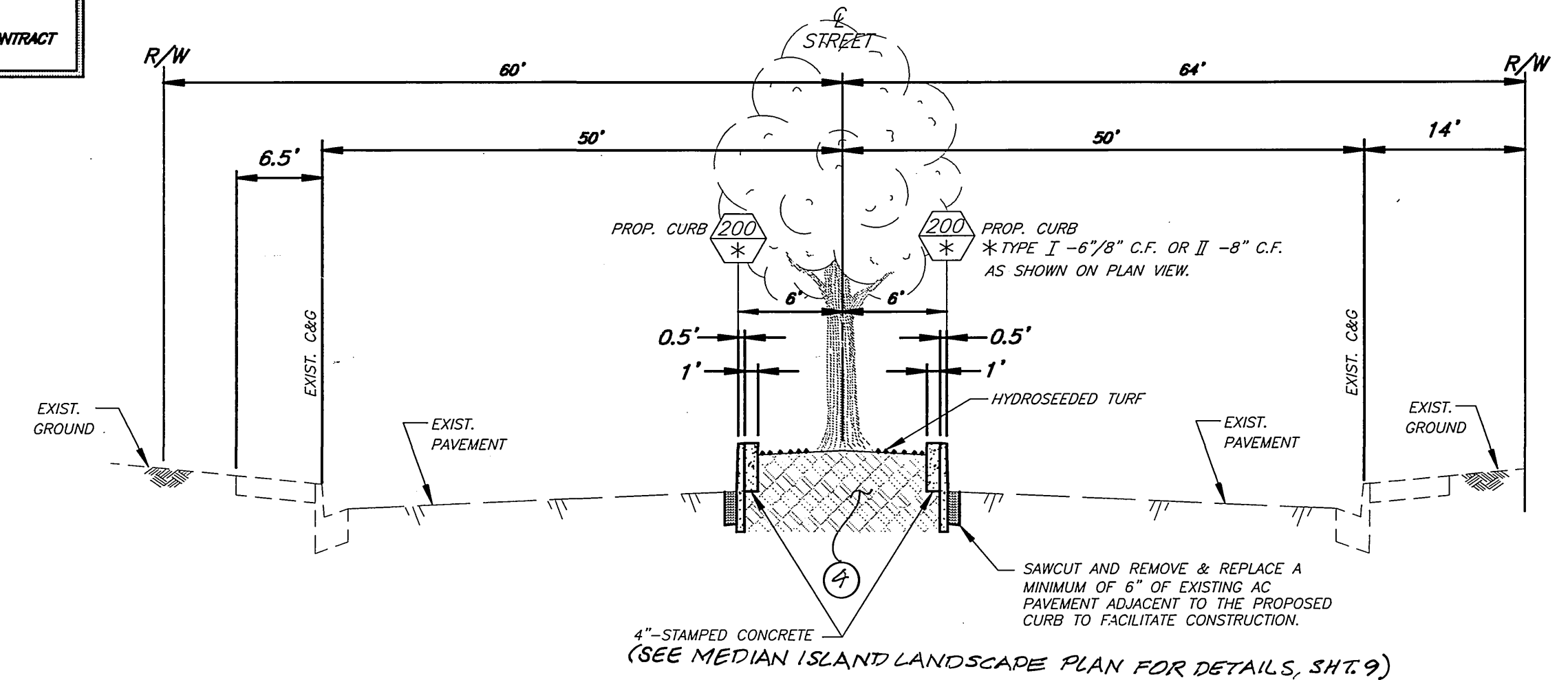
### PROJECT LOCATION MAP



SCALE: 1" = 1,000'

## CONSTRUCTION NOTES:

- ALL IRRIGATION LINES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN SCHEDULE 40 PVC SLEEVES. SLEEVE SIZE SHALL BE TWICE THE DIAMETER OF THE IRRIGATION PIPE SIZE (MIN.).
- ALL IRRIGATION CONTROL WIRES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN SCHEDULE 40 PVC SLEEVES (MIN.).
- ALL IRRIGATION VALVES, BALL VALVES, QUICK COUPLERS AND BOXES ARE TO BE LOCATED IN PLANTING AREAS.
- FOLLOWING THE REMOVAL OF THE EXISTING PAVEMENT FOR THE CONSTRUCTION OF THE MEDIAN, SCARIFY A MINIMUM OF 12" OF THE EXISTING BASE MATERIAL BETWEEN PROPOSED CURBS AND FILL WITH CLEAN SOIL TO ±1" BELOW PROPOSED T.C. ELEVATION. THE FILL SOIL SHALL BE COMPACTED TO 85% RELATIVE COMPACTION IN PLANTING AREAS & 95% RELATIVE COMPACTION BENEATH THE DECORATIVE STAMPED CONCRETE. ALLOW FOR SOIL AMENDMENTS PER SECTION 02480 OF THE SPECIAL PROVISIONS. THE TREE WELL AREAS REQUIRE MORE EXTENSIVE SOIL REMOVAL & TREATMENT PER PARK'S DEPT. TREE PLANTING SPECIFICATIONS.

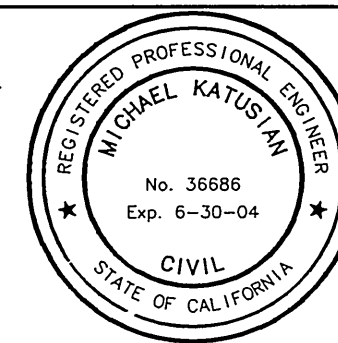


PROPOSED LANDSCAPED MEDIANS ON VAN BUREN BLVD.  
FROM 1,060' E'LY OF TRAUTWEIN ROAD TO ORANGE TERRACE PKWY.  
N.T.S.

### STREET PLANS (R-3635)

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-9	STREET IMPROVEMENT PLANS

ENGINEER IN RESPONSIBLE CHARGE  
MICHAEL KATUSIAN  
R.C.E. No. 3686, expires 5/31/14  
DATE 4/28/03



WESTERN MUNICIPAL WATER DISTRICT

APPROVED BY: [Signature] DATE: 5/1/03

DESIGNED BY: CSS DRAWN BY: GMA CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT

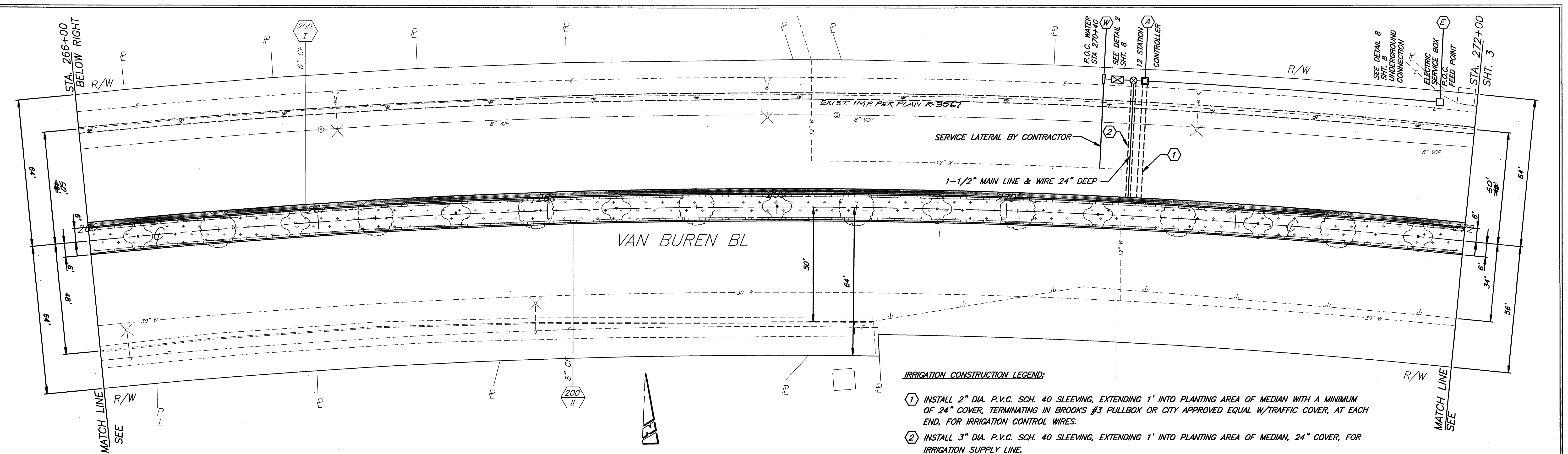
APPROVED BY: [Signature] DATE: 5/1/03

TRAFFIC DIVISION  
PARKS DEPARTMENT  
INSPECTION  
SUPERVISOR

VAN BUREN BLVD.  
LANDSCAPED MEDIANS  
FROM 1,060' E'LY OF TRAUTWEIN RD  
TO ORANGE TERRACE PKWY

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

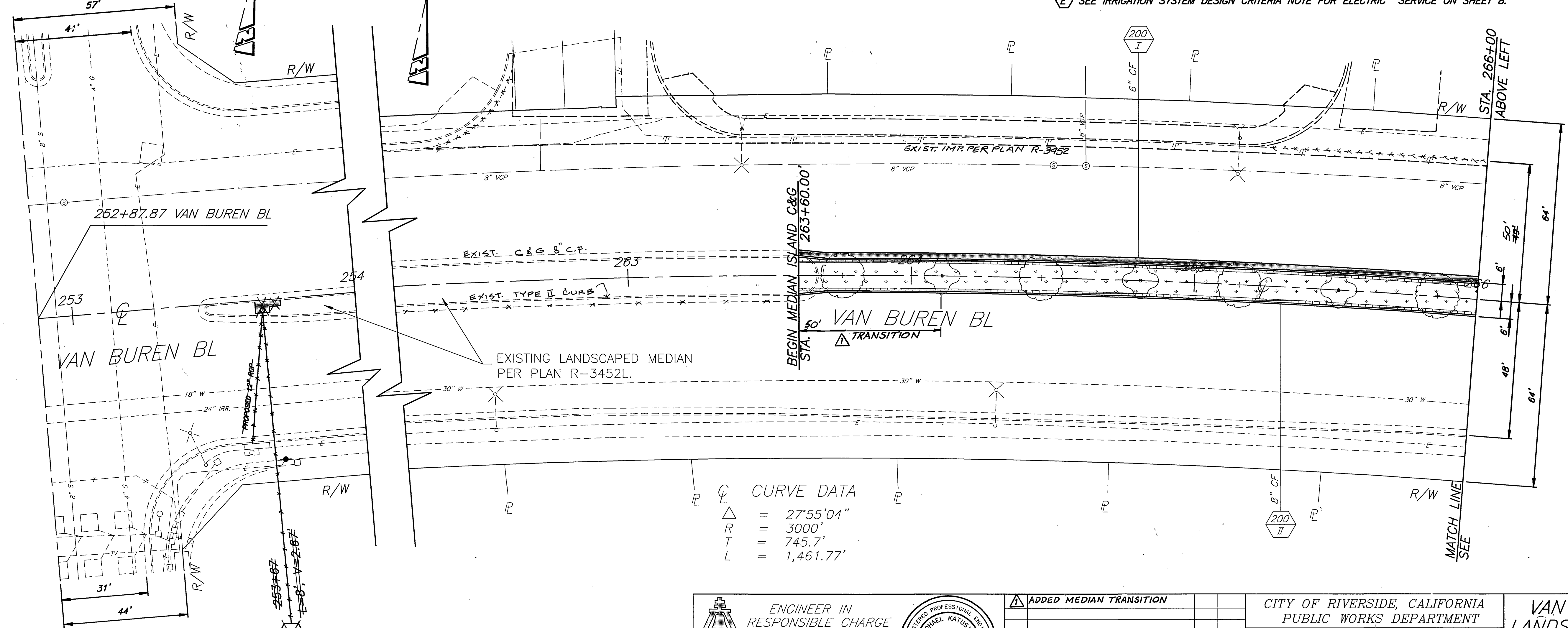
ACCT. NO. 9542028234-440304XX  
R-3635  
SHEET 1 OF 9  
FILE NO.



**IRRIGATION CONSTRUCTION LEGEND:**

- 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.
- Ⓜ SEE IRRIGATION SYSTEM DESIGN CRITERIA NOTE FOR WATER SERVICE ON SHEET 8.
- ⓔ SEE IRRIGATION SYSTEM DESIGN CRITERIA NOTE FOR ELECTRIC SERVICE ON SHEET 8.

TRAUTWEIN ROAD

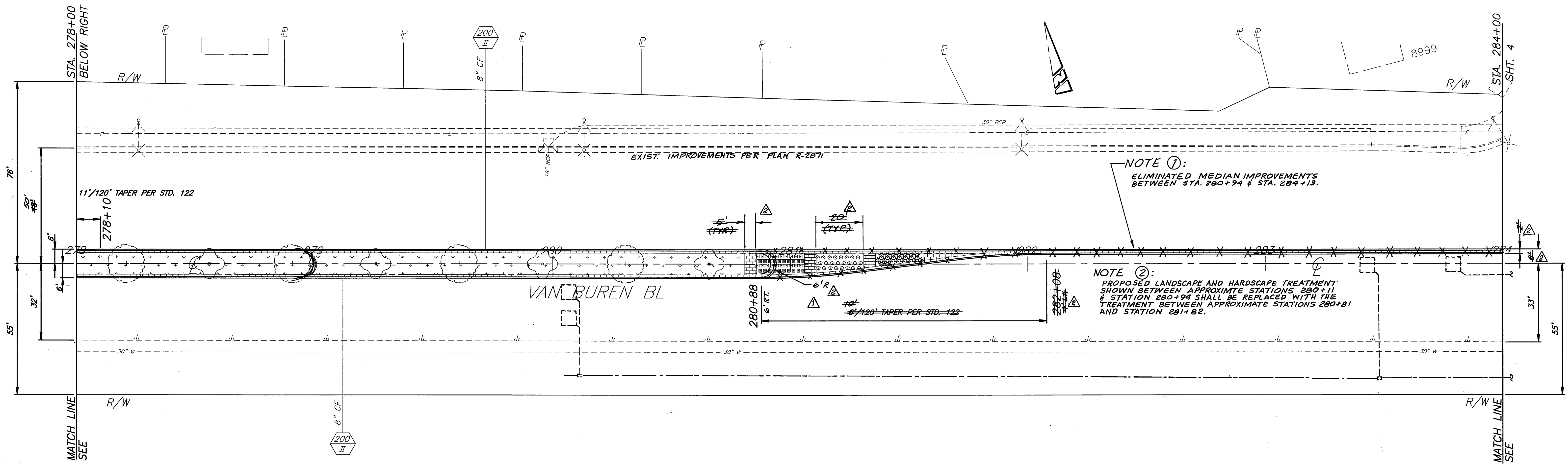


COLE AVE

<p>ENGINEER IN RESPONSIBLE CHARGE</p> <p><i>Michael Katusian</i></p> <p>MICHAEL KATUSIAN R.C.E. No. 36696 expires 6/30/04 DATE: 4/28/03</p>		<p>ADDED MEDIAN TRANSITION</p> <p>DESIGNED BY: CSS    DRAWN BY: EMA    CHECKED BY:</p>	<p>CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT</p> <p>APPROVED BY: <i>Steve Boyd</i> DATE: 5/14/03</p> <p>INSPECTION: _____ SUPERVISOR: _____</p>	<p>VAN BUREN BLVD. LANDSCAPED MEDIANS FROM 1,060' E'LY OF TRAUTWEIN RD TO ORANGE TERRACE PKWY</p> <p>ACCT. NO. 9542028234-440304XX <b>R-3635</b> SHEET 2 OF 9 FILE NO.</p>
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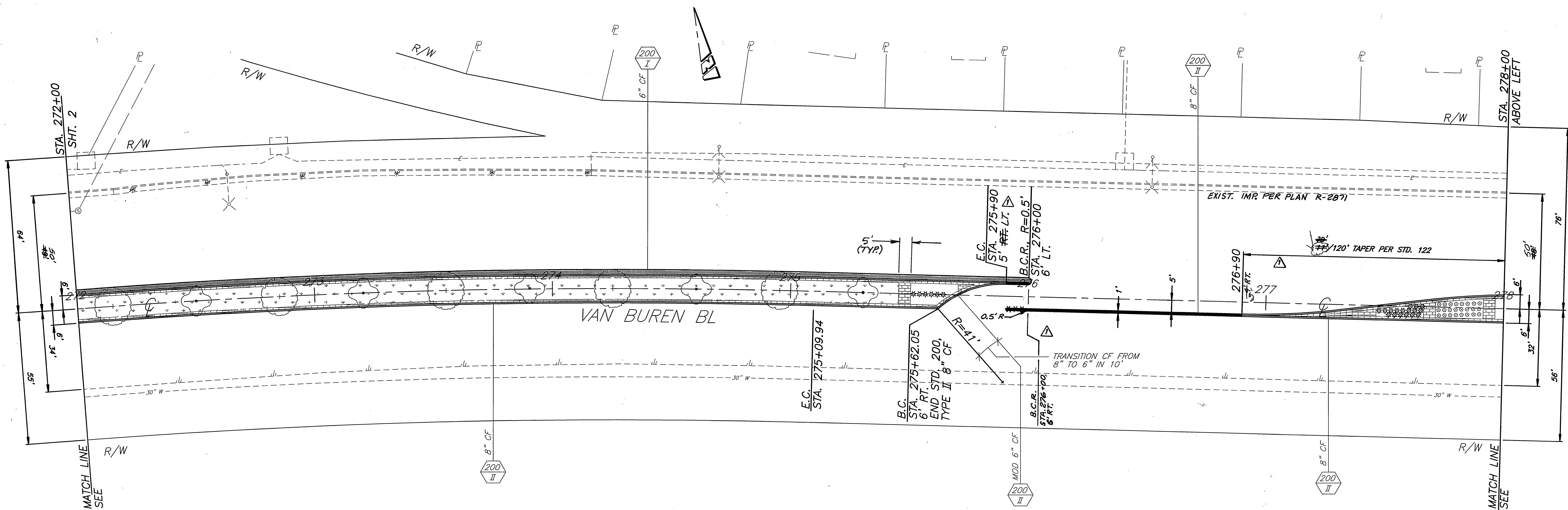
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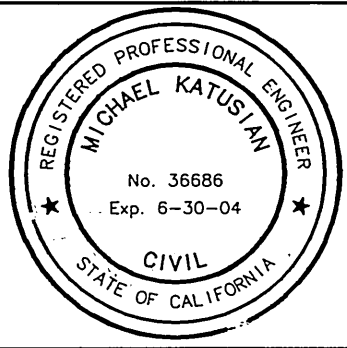


NOTE ①:  
ELIMINATED MEDIAN IMPROVEMENTS  
BETWEEN STA. 280+94 & STA. 284+13.

NOTE ②:  
PROPOSED LANDSCAPE AND HARDSCAPE TREATMENT  
SHOWN BETWEEN APPROXIMATE STATIONS 280+11  
& STATION 280+94 SHALL BE REPLACED WITH THE  
TREATMENT BETWEEN APPROXIMATE STATIONS 280+81  
AND STATION 281+82.



ENGINEER IN  
RESPONSIBLE CHARGE  
*Michael Katusian*  
MICHAEL KATUSIAN  
R.C.E. No. 36686 expires 6/30/04  
DATE 4/28/03

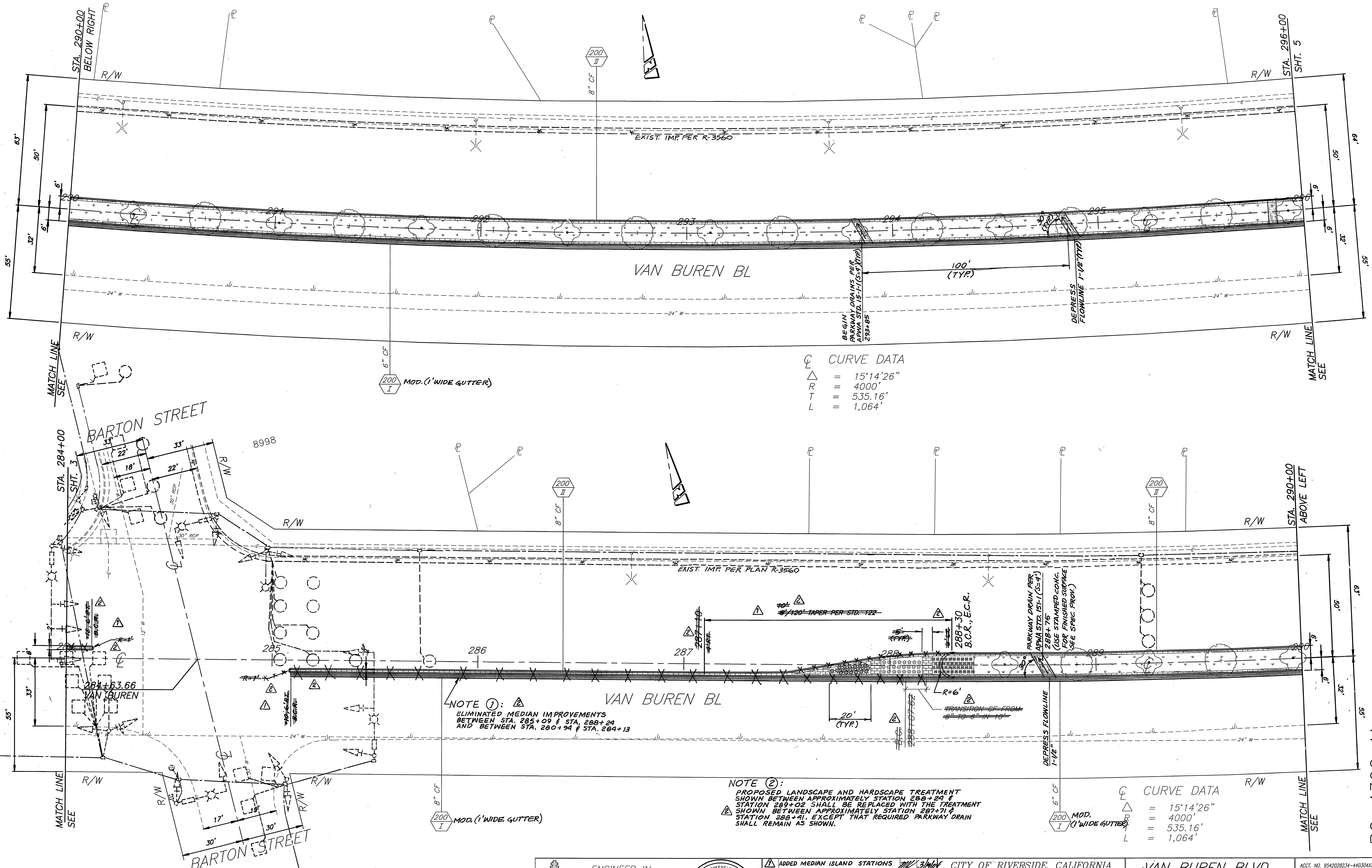


DESIGNED BY: *CBS* DRAWN BY: *GMA* CHECKED BY: \_\_\_\_\_  
REVISIONS: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
INSPECTION: \_\_\_\_\_ DATE: \_\_\_\_\_  
SURVEYOR: \_\_\_\_\_

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
PRINCIPAL ENGINEER: *Tom Bag*  
TRAFFIC DIVISION: \_\_\_\_\_  
PARKS DEPARTMENT: \_\_\_\_\_ DATE: 04/28/03  
INSPECTION: \_\_\_\_\_ DATE: 05/04/03  
SURVEYOR: \_\_\_\_\_

VAN BUREN BLVD.  
LANDSCAPED MEDIANS  
FROM 1,060' E'LY OF TRAUTWEIN RD  
TO ORANGE TERRACE PKWY

ACCT. NO. 9542028234-440304XX  
R-3635  
SHEET 3 OF 9  
FILE NO.



Δ CURVE DATA  
 Δ = 15'14"26"  
 R = 4000'  
 T = 535.16'  
 L = 1,064'

NOTE ①: ELIMINATED MEDIAN IMPROVEMENTS BETWEEN STA. 285+09 & STA. 288+24 AND BETWEEN STA. 280+94 & STA. 284+13

NOTE ②: PROPOSED LANDSCAPE AND HARDSCAPE TREATMENT SHOWN BETWEEN APPROXIMATELY STATION 288+24 & STATION 289+02 SHALL BE REPLACED WITH THE TREATMENT SHOWN BETWEEN APPROXIMATELY STATION 287+71 & STATION 288+41, EXCEPT THAT REQUIRED PARKWAY DRAIN SHALL REMAIN AS SHOWN.

Δ CURVE DATA  
 Δ = 15'14"26"  
 R = 4000'  
 T = 535.16'  
 L = 1,064'

ENGINEER IN RESPONSIBLE CHARGE  
  
 MICHAEL KATUSIAN  
 R.C.E. No. 36686 expires 6/30/04  
 DATE 4/27/03

ADDED MEDIAN ISLAND STATIONS AND OFFSETS	3/1/03
ELIMINATED MEDIAN & ADJUSTED LANDSCAPE PER NOTES 1 & 2	3/1/03
REVISIONS	APPR. DATE
DESIGNED BY: CSS	DRAWN BY: EMA
CHECKED BY:	

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT

APPROVED BY:   
 DATE: 5/14/03  
 CITY ENGINEER

TRAFFIC DIVISION  
 PARKS DEPARTMENT  
 INSPECTION  
 SUPERVISOR

VAN BUREN BLVD.  
 LANDSCAPED MEDIANS  
 FROM 1,060' ELY OF TRAUTWEIN RD  
 TO ORANGE TERRACE PKWY

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

ACCT. NO. 9542028234-440304XX  
**R-3635**  
 SHEET 4 OF 9  
 FILE NO.



**NOTE:**

THIS AREA IS LANDSCAPED AND HAS AN ACTIVE SPRINKLER SYSTEM. CONTRACTOR SHALL RESTORE LANDSCAPE, PLANTING AND IRRIGATION SYSTEMS TO PRIOR CONDITION SUCH THAT ALL AREAS ARE PROPERLY AND FULLY LANDSCAPED AND IRRIGATED. RE-LANDSCAPE BARE AREAS TO MATCH EXISTING, AS APPLICABLE.

SEE DETAIL 8 SHT. 8 UNDERGROUND CONNECTION

CONTRACTOR SHALL BORE UNDERNEATH OF THE EXISTING PCC DRIVEWAY TO ACCOMMODATE ELECTRICAL CONDUIT. GRASS AREA THIS SHEET (SEE NOTE @ LEFT)

SEE DETAIL 12 SHT. 8

**COYOTE BUSH LN.**

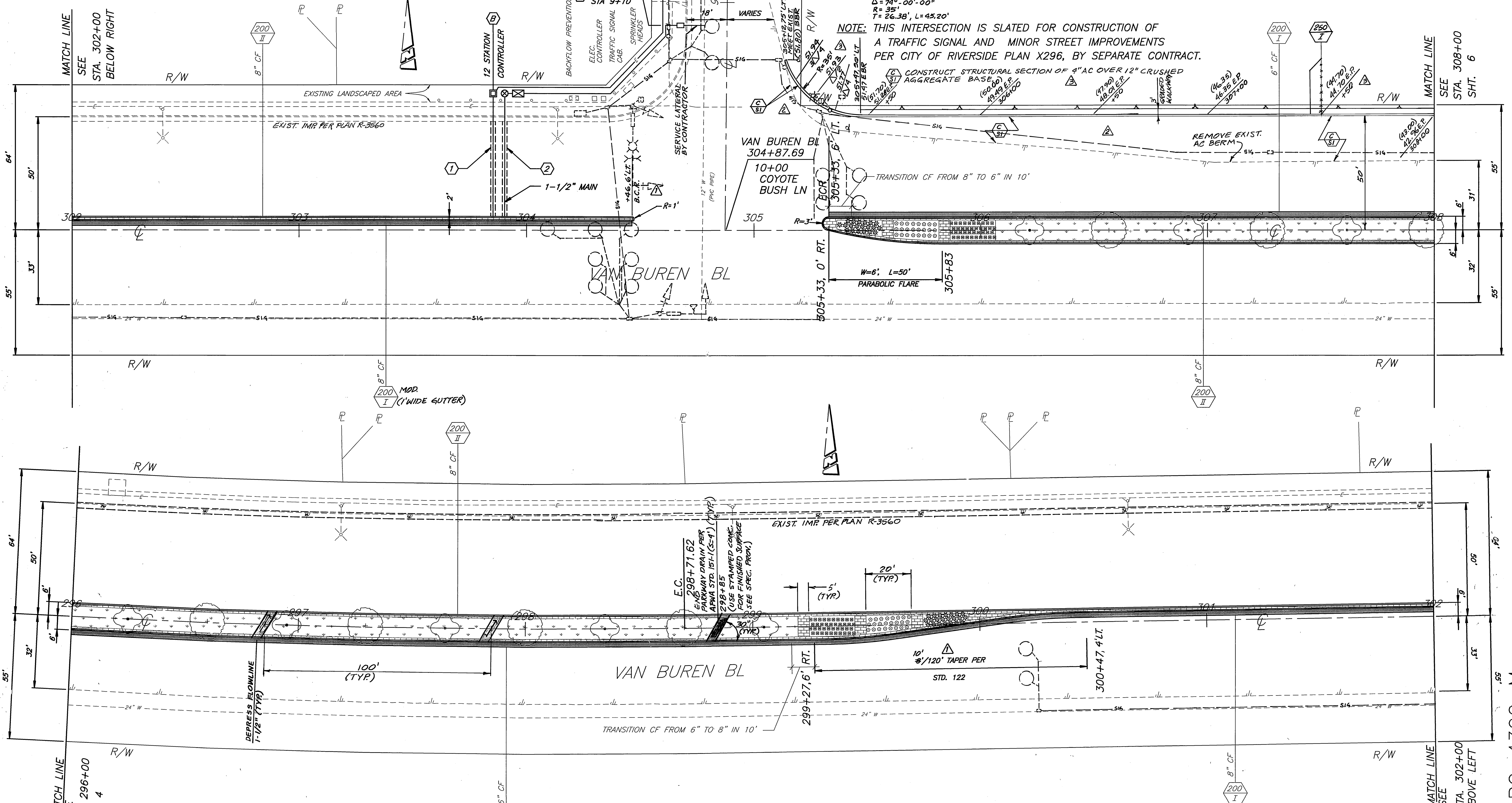
**IRRIGATION CONSTRUCTION LEGEND:**

- 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.
- W SEE IRRIGATION SYSTEM DESIGN CRITERIA NOTE FOR WATER SERVICE ON SHEET 8.
- E SEE IRRIGATION SYSTEM DESIGN CRITERIA NOTE FOR ELECTRIC SERVICE ON SHEET 8.

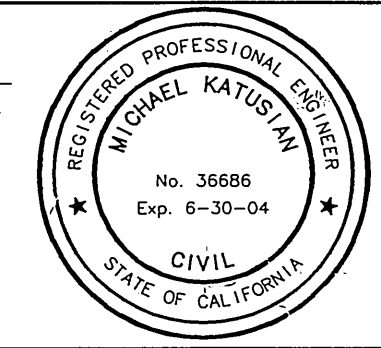
**BERM RETURN DATA:**  
 Δ = 74°-00'-00"  
 R = 35'  
 T = 26.38', L = 45.20'

**NOTE:** THIS INTERSECTION IS SLATED FOR CONSTRUCTION OF A TRAFFIC SIGNAL AND MINOR STREET IMPROVEMENTS PER CITY OF RIVERSIDE PLAN X296, BY SEPARATE CONTRACT.

CONSTRUCT STRUCTURAL SECTION OF 4" AC OVER 12" CRUSHED AGGREGATE BASE



ENGINEER IN RESPONSIBLE CHARGE  
*Michael Katousian*  
 MICHAEL KATOUSIAN  
 R.C.E. No. 36686 expires 6/30/04  
 DATE: 4/28/03

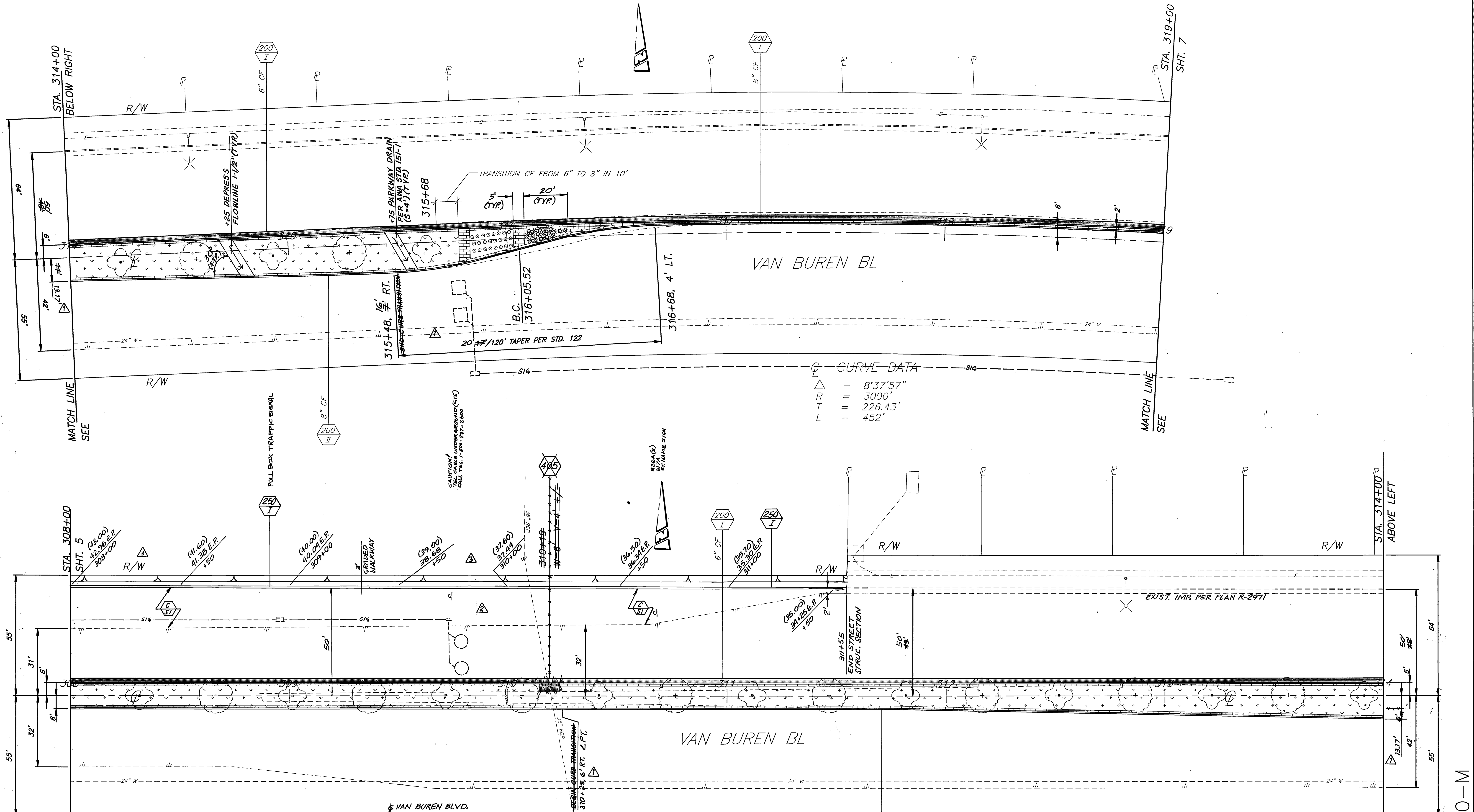


ADDED MEDIAN ISLAND STATIONS AND OFFSETS	
ADDED STREET STRUC. SECTION	
ADDED DIRT WALKWAY	
REVISIONS	APPR. DATE
DESIGNED BY: CBS	DRAWN BY: EMA
CHECKED BY:	

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: *Clayton Boyd*  
 DATE: 5/14/03  
 PRINCIPAL ENGINEER: 5/7/03  
 TRAFFIC DIVISION  
 PARKS DEPARTMENT: 4/26/03  
 INSPECTION  
 SUPERVISOR

**VAN BUREN BLVD.  
 LANDSCAPED MEDIANS**  
 FROM 1,060' E'LY OF TRAUTWEIN RD  
 TO ORANGE TERRACE PKWY.

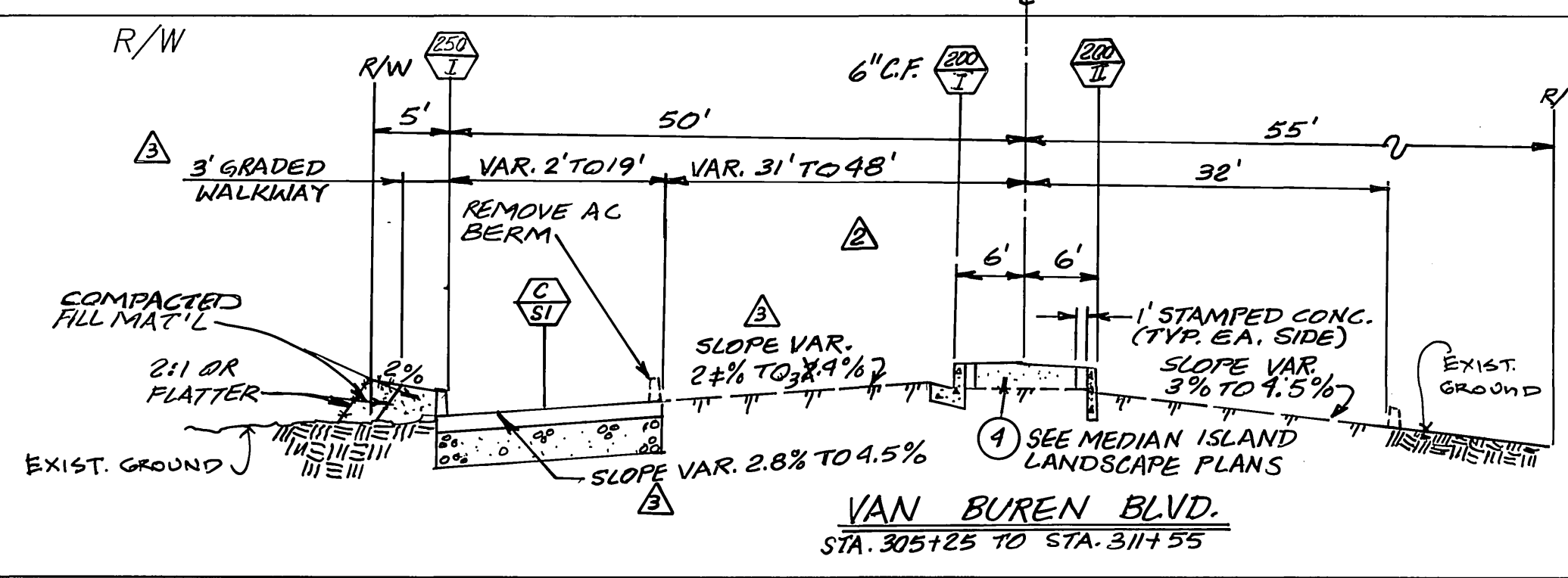
ACCT. NO. 9542028234-4403049X  
**R-3635**  
 SHEET 5 OF 9  
 FILE NO.



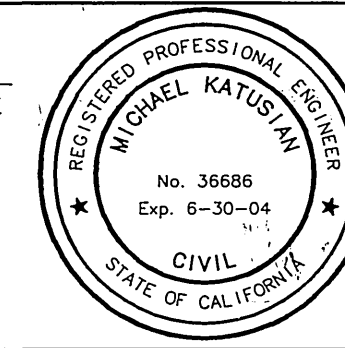
CURVE DATA

Δ	= 8°37'57"
R	= 3000'
T	= 226.43'
L	= 452'

- CONST. LEGEND:
- ① CONSTRUCT STRUCTURAL SECTION OF 6" AC OVER 22" CRUSHED AGGREGATE BASE. (PER PLAN R-3560)
  - ② REMOVE EXIST. STRUCTURAL SECTION BETWEEN CURBS AND FILL WITH CLEAN SOIL TO ±1" BELOW PROPOSED T.C. ELEVATION. THE FILL SOIL SHALL BE COMPACTED TO 85% RELATIVE COMPACTION IN PLANTING AREAS & 95% RELATIVE COMPACTION BENEATH THE DECORATIVE STAMP CONCRETE. ALLOW FOR SOIL AMENDMENTS PER SECTION 0240 OF THE SPECIAL PROVISIONS.



ENGINEER IN RESPONSIBLE CHARGE  
 MICHAEL KATUSIAN  
 R.C.E. No. 36686 exp. 6/30/04  
 DATE: 4/28/03



MARK	REVISIONS	APPR.	DATE

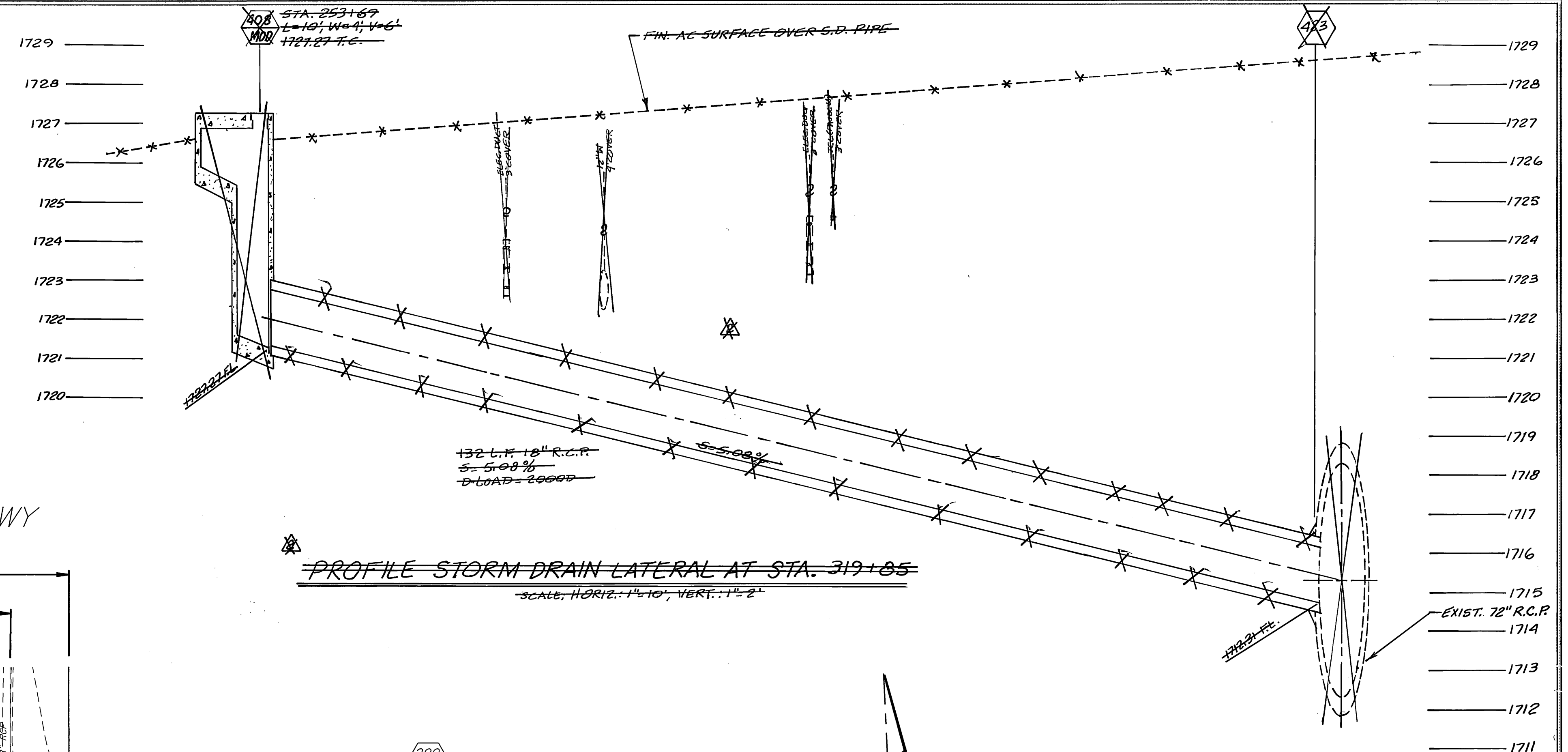
CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT

APPROVED BY:	DATE:	APPROVED BY:	DATE:
PRINCIPAL ENGINEER	5/17/03	<i>Tom Boyd</i>	5/17/03
TRAFFIC DIVISION		CITY ENGINEER	
PARKS DEPARTMENT	5/24/03		
INSPECTION			
SUPERVISOR			

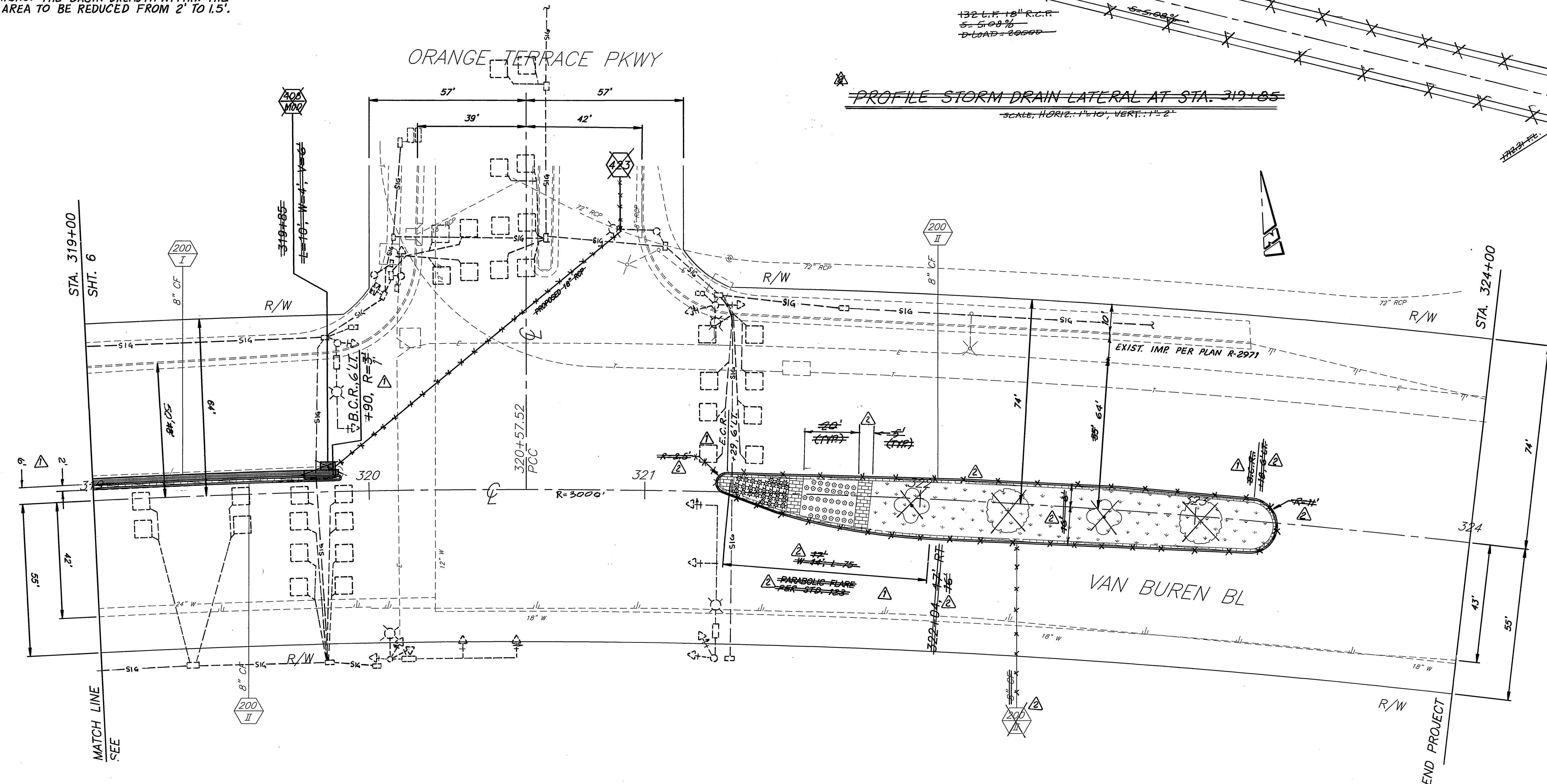
VAN BUREN BLVD.  
 LANDSCAPED MEDIANS  
 FROM 1,060' E'LY OF TRAUTWEIN RD  
 TO ORANGE TERRACE PKWY

ACCT. NO. 9542028234-440304XX  
 R-3635  
 SHEET 6 OF 9  
 FILE NO.



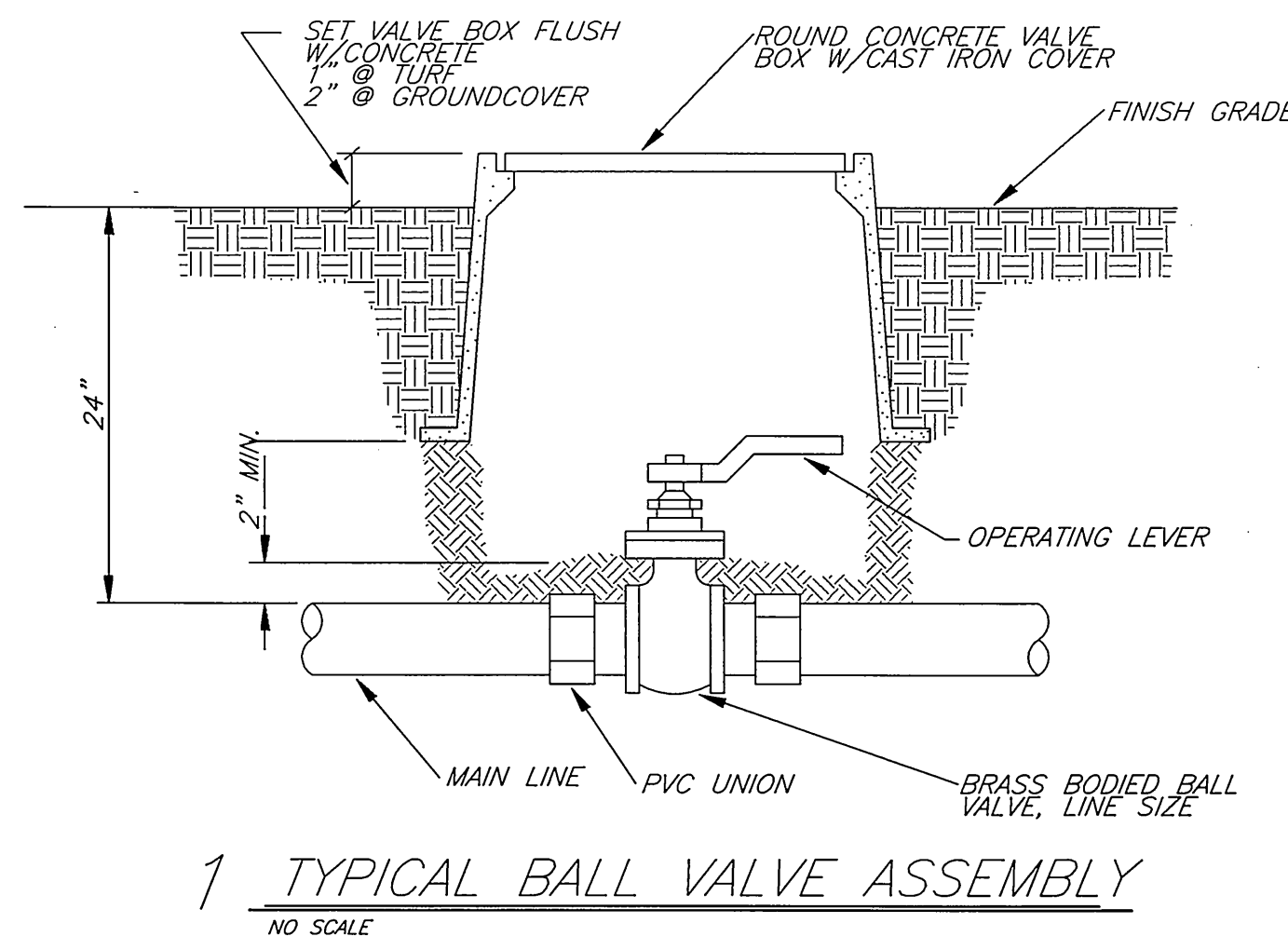


MODIFICATIONS: THE BASIN BREADTH WITHIN THE MEDIAN AREA TO BE REDUCED FROM 2' TO 1.5'.



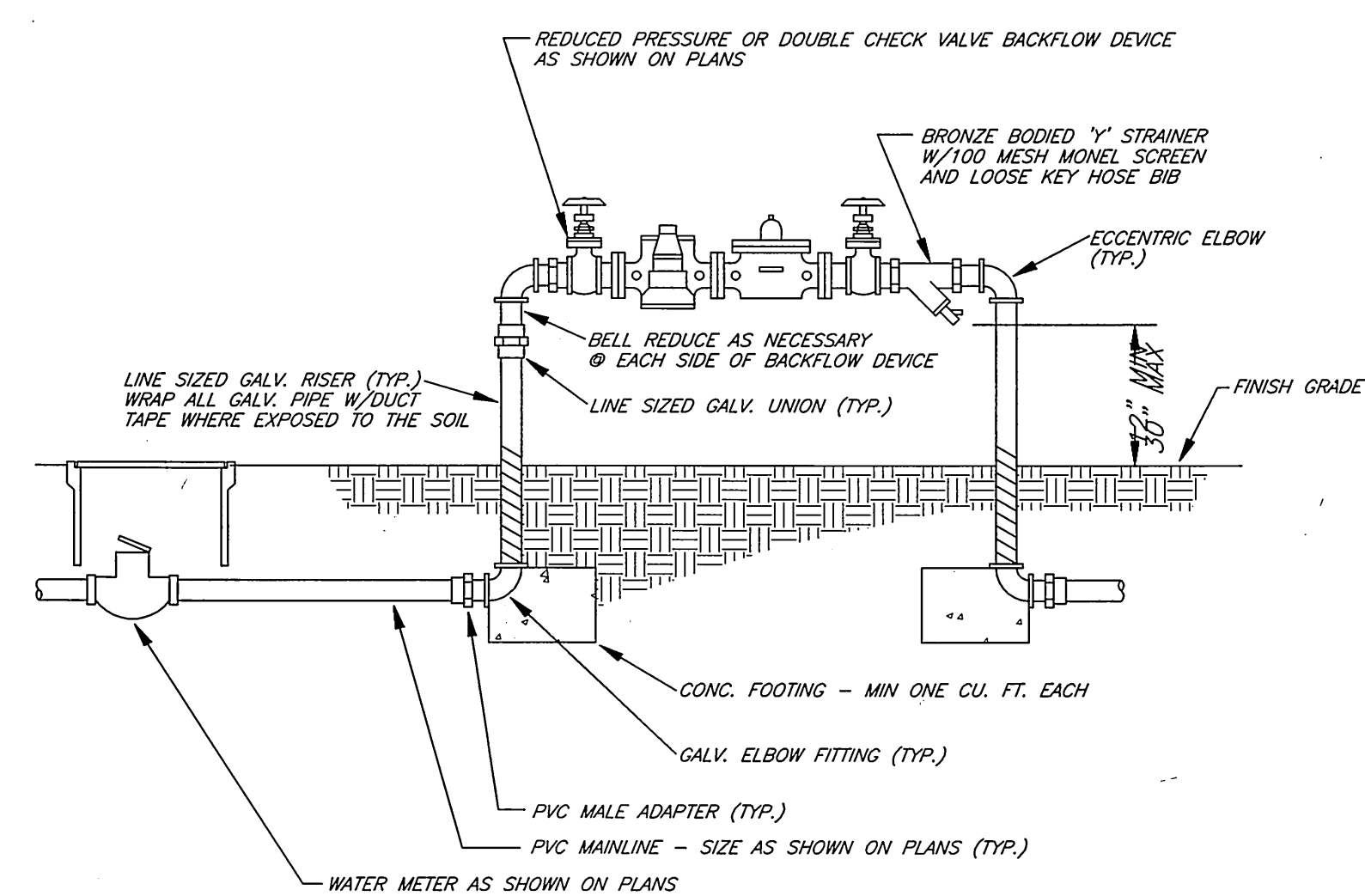
PC-4390-M

<p>ENGINEER IN RESPONSIBLE CHARGE          Michael Katusian          MICHAEL KATUSIAN          R.C.E. No. 36686 expires 6/30/04          DATE 4/28/03</p>	<p>ADDED MEDIAN ISLAND STATIONS AND OFFSETS          ADDED S-D LATERAL          ELIMINATED MEDIAN LANDSCAPING E'LY OF ORANGE TERRACE PKWY</p>	<p>CITY OF RIVERSIDE, CALIFORNIA          PUBLIC WORKS DEPARTMENT</p>	<p>VAN BUREN BLVD.          LANDSCAPED MEDIANS          FROM 1,060' E'LY OF TRAUTWEIN RD TO ORANGE TERRACE PKWY</p>	<p>ACCT. NO. 9542028234-440304XX          R-3635          SHEET 7 OF 9          FILE NO.</p>
	<p>DESIGNED BY: CSS          DRAWN BY: GMA          CHECKED BY:</p>	<p>APPROVED BY: [Signature]          DATE: 4/28/03          PRINCIPAL ENGINEER, TRAFFIC DIVISION          PARKS DEPARTMENT          INSPECTION          SURVEYOR</p>	<p>APPROVED BY: [Signature]          DATE: 5/16/03          CITY ENGINEER</p>	<p>HORIZ. SCALE: 1" = 20'          VERT. SCALE:</p>

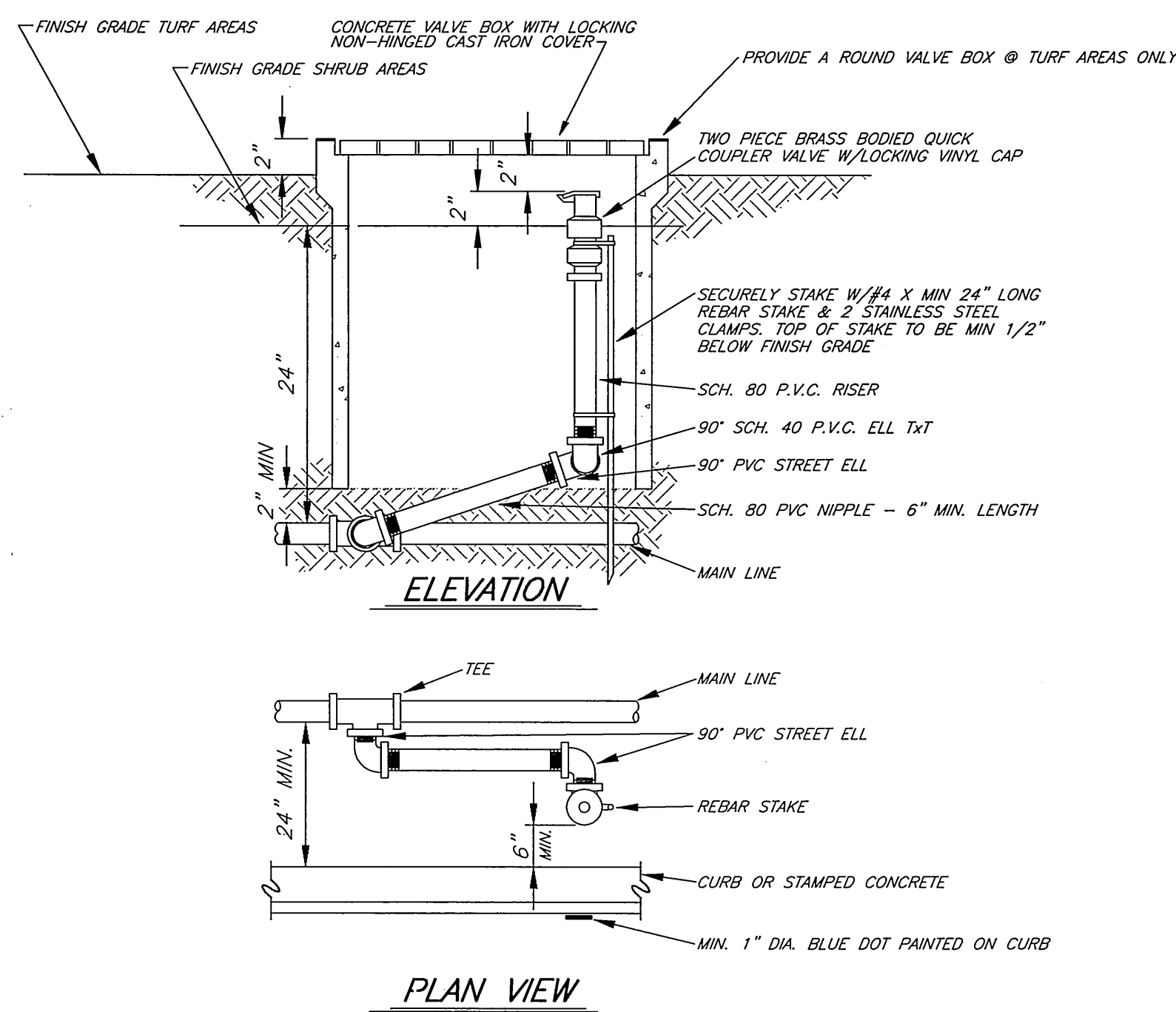


1 TYPICAL BALL VALVE ASSEMBLY  
NO SCALE

- NOTES**
- 1) INSTALL BACKFLOW DEVICE SQUARE WITH HARDSCAPE ELEMENT AS APPROVED BY THE PARK PROJECTS INSPECTOR IN THE FIELD
  - 2) MODIFY HANDWHEELS AS DIRECTED OR REMOVE & TURN OVER TO PARKS PROJECTS INSPECTOR AT FINAL INSPECTION

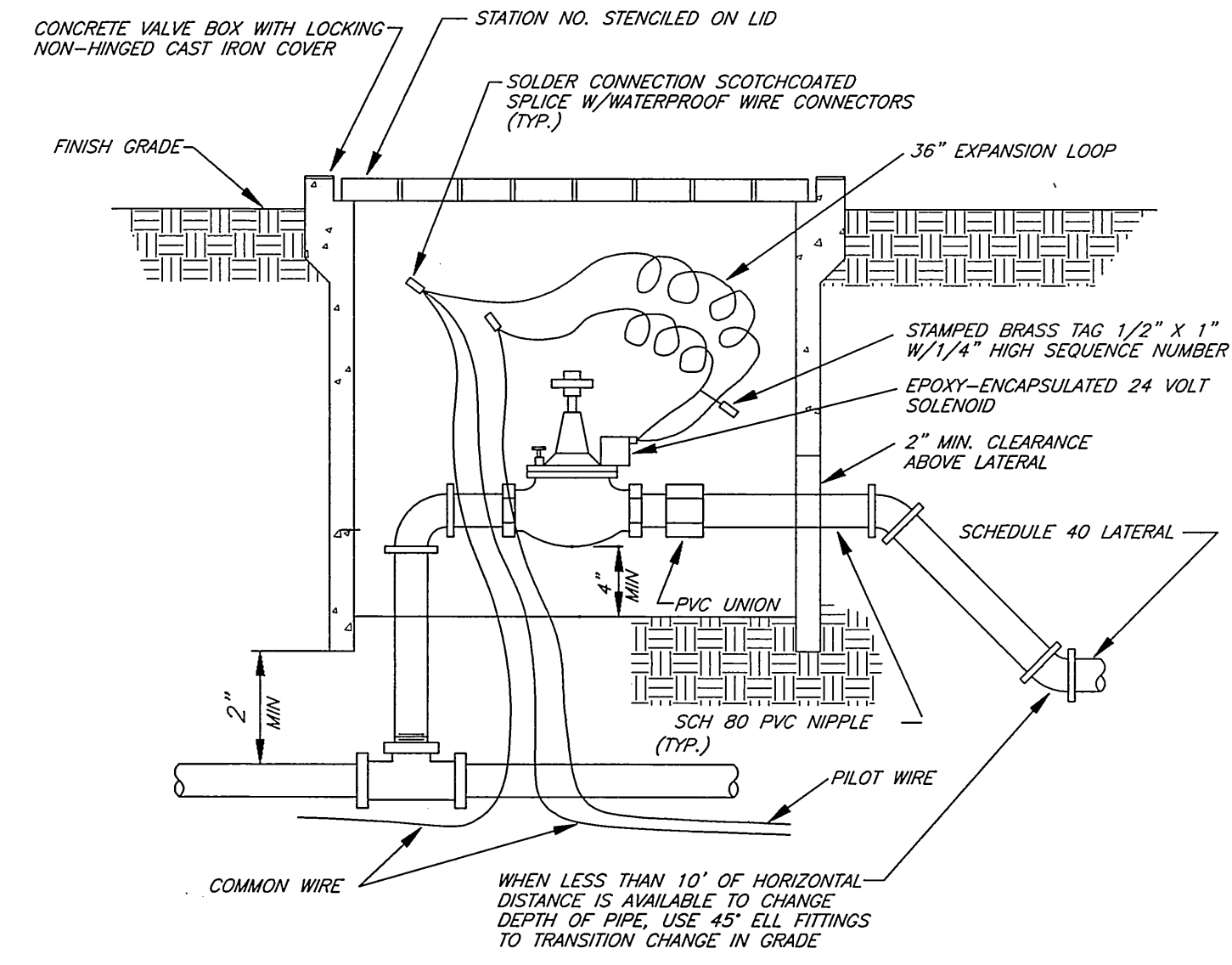


2 TYPICAL BACKFLOW DEVICE  
NO SCALE

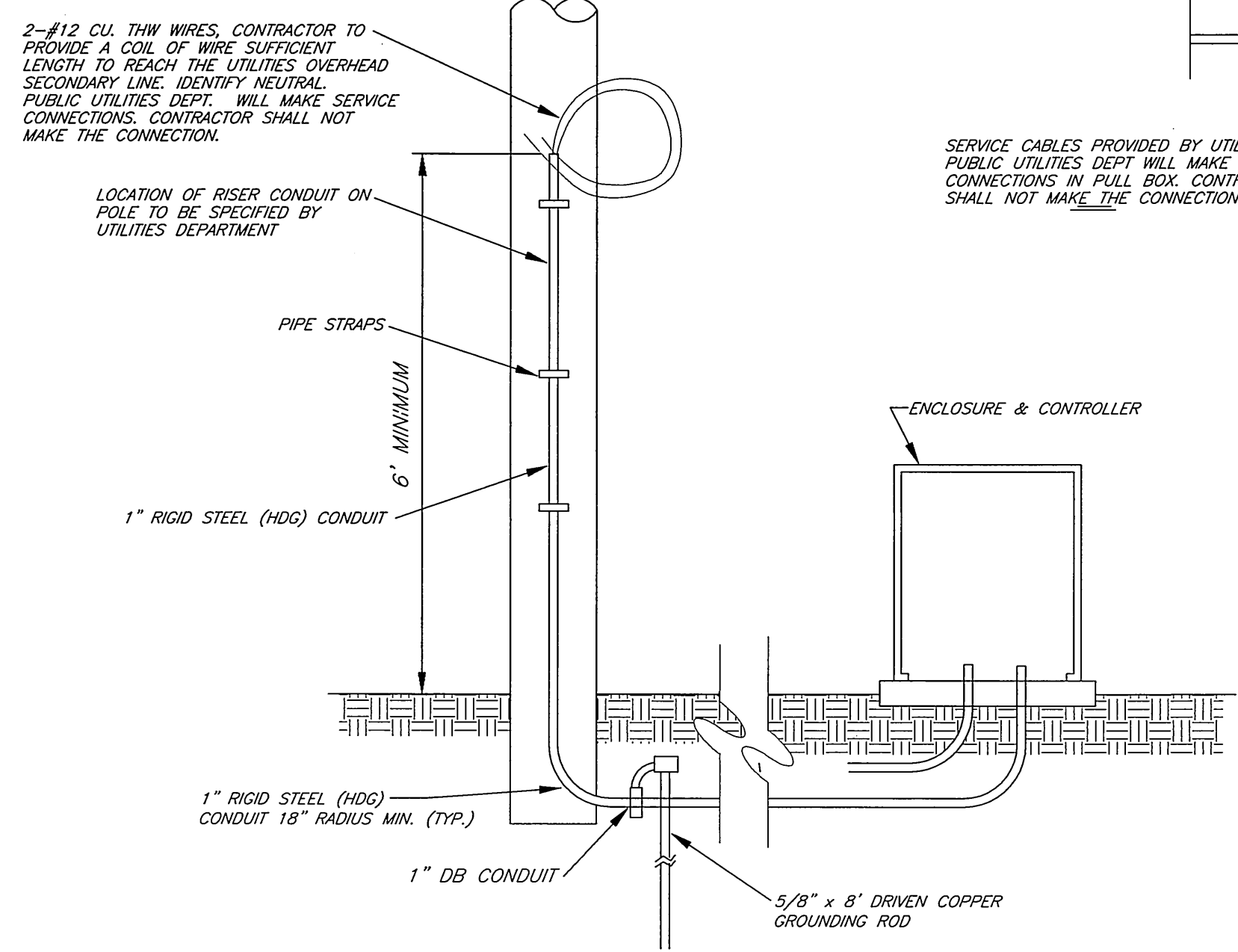


3 TYPICAL QUICK COUPLER VALVE  
NO SCALE  
(NOTE: PROVIDE A ROUND CONCRETE VALVE BOX IN TURF AREAS)

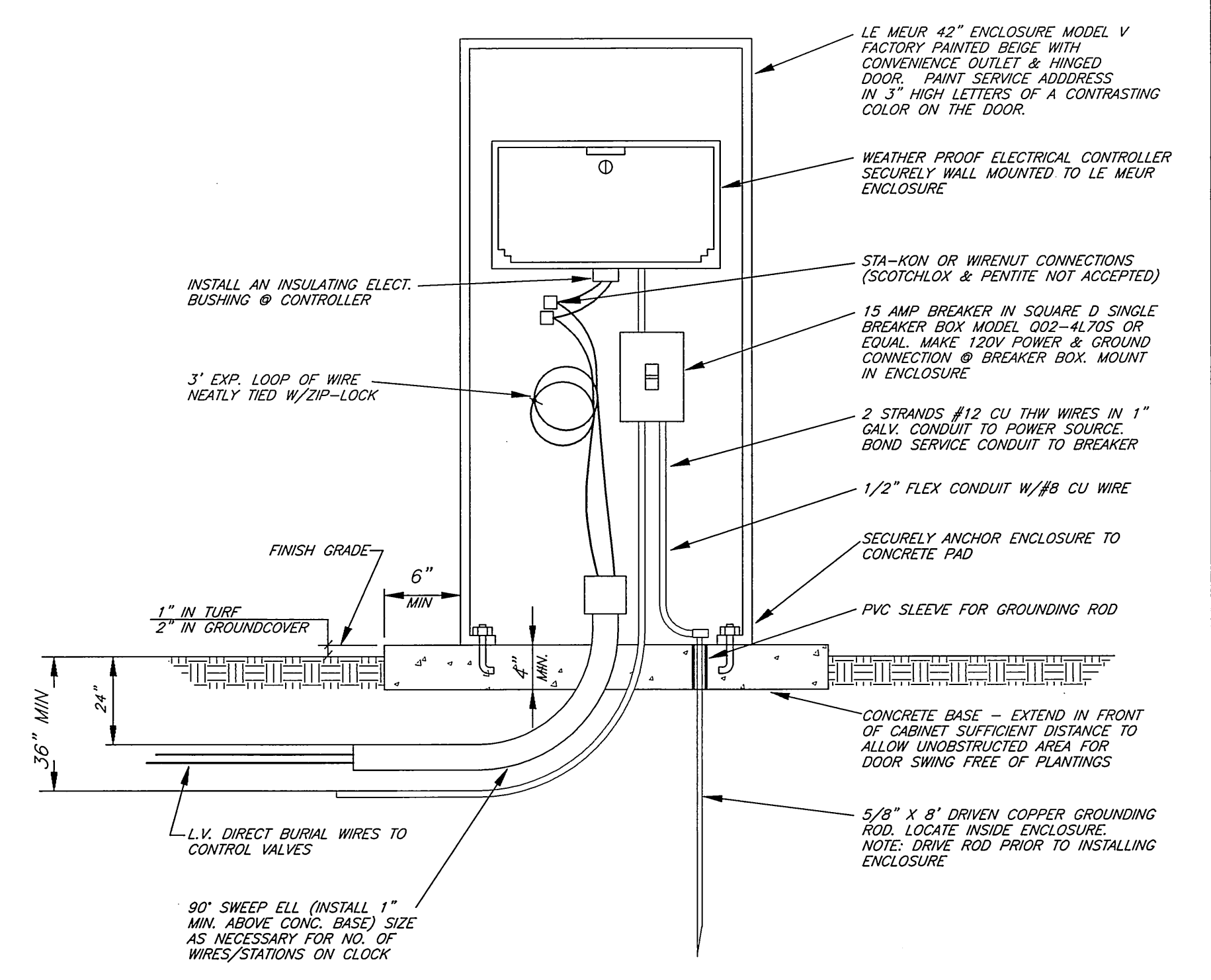
- NOTES**
- 1) EACH VALVE SHALL HAVE ITS OWN TEE OR ELL CONNECTION TO THE MAINLINE. NO MANIFOLD CONNECTIONS
  - 2) PROVIDE MINIMUM 3' CLEAR DISTANCE BETWEEN VALVES
  - 3) INSTALL VALVE BOX IN A MANNER THAT BOX DOES NOT REST ON ANY IRRIGATION LINE



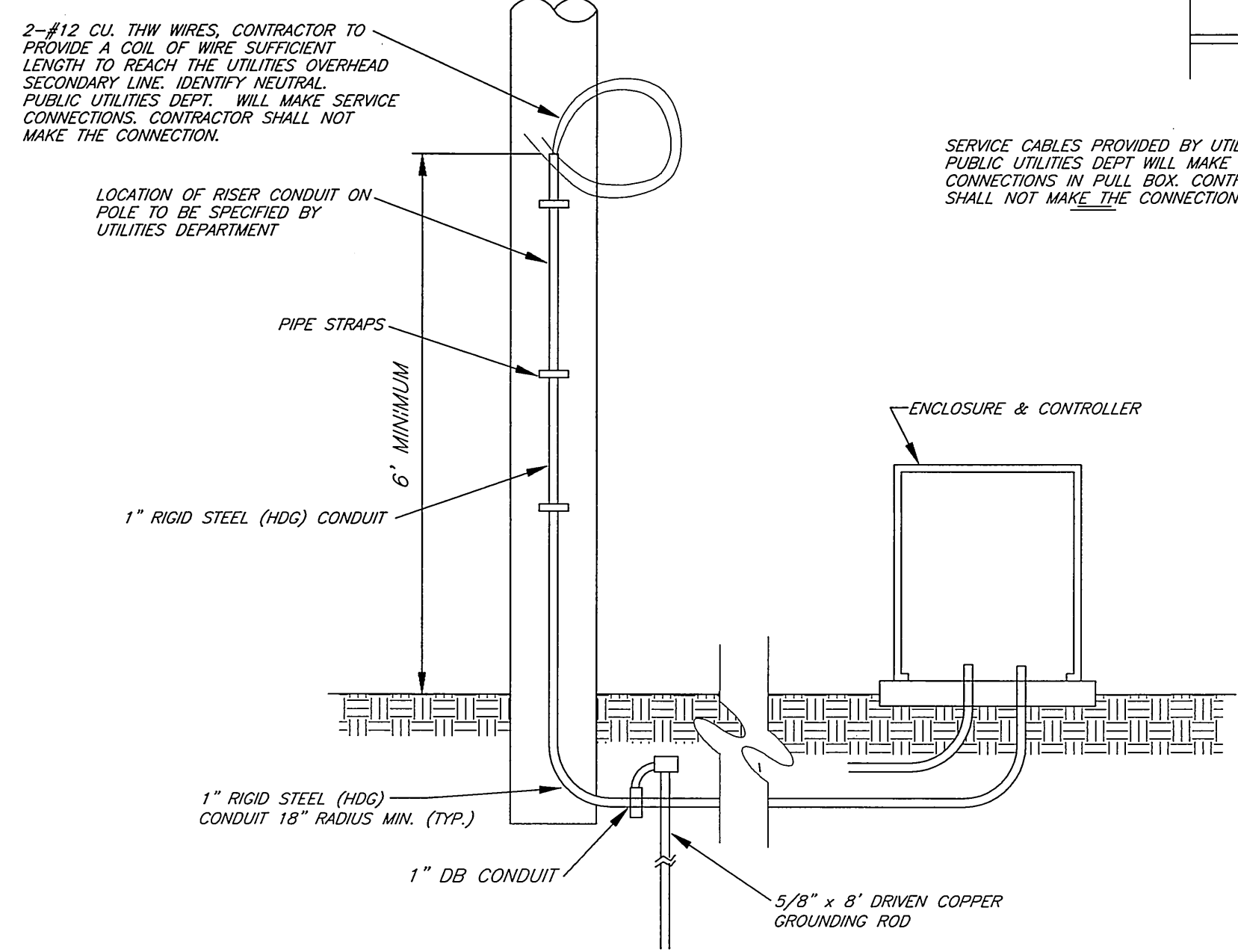
4 TYPICAL AUTOMATIC VALVE  
NO SCALE



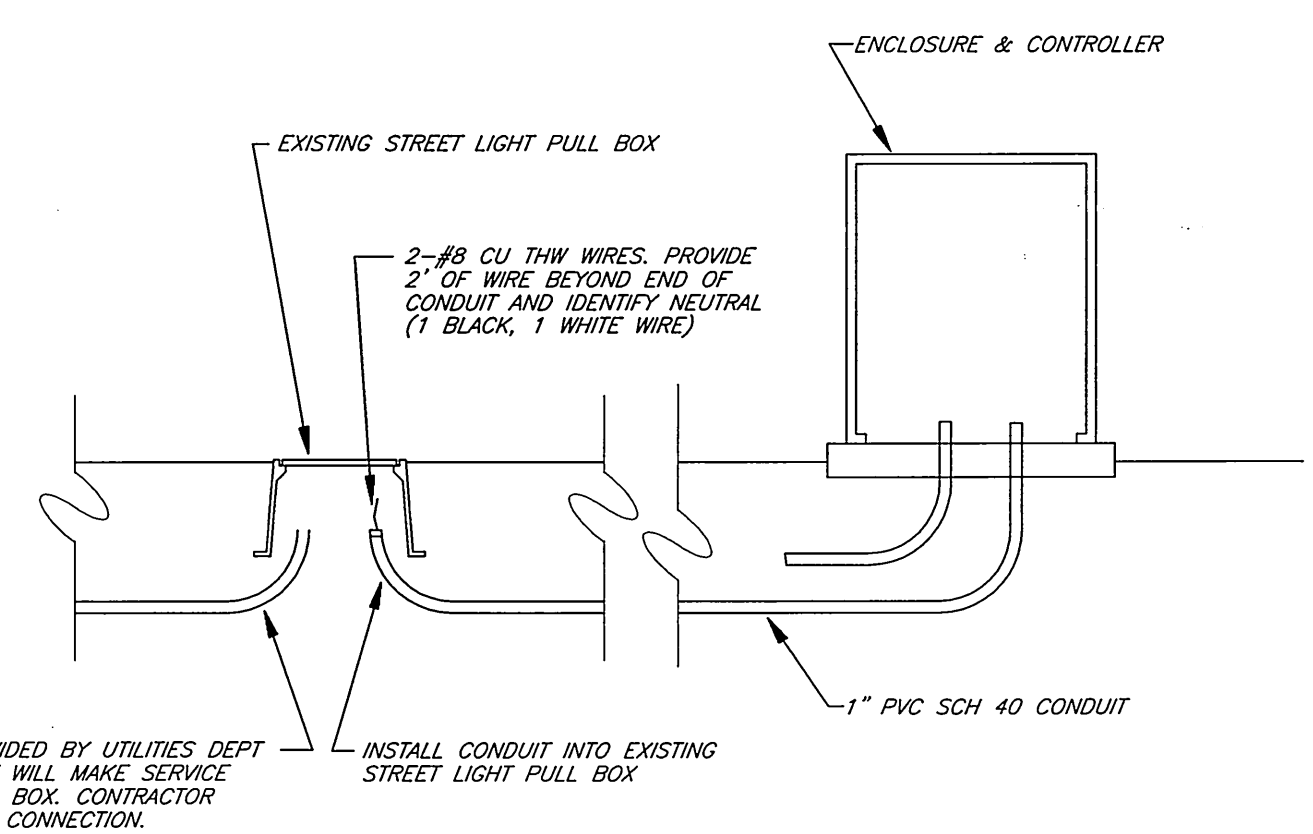
5 TYPICAL SPRAY HEAD ASSEMBLY  
NO SCALE



6 TYPICAL CONTROLLER  
NO SCALE



7 TYPICAL OVERHEAD ELECTRIC CONNECTION  
NO SCALE



8 TYPICAL UNDERGROUND ELECTRICAL CONNECTION  
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. 782-2429). 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.

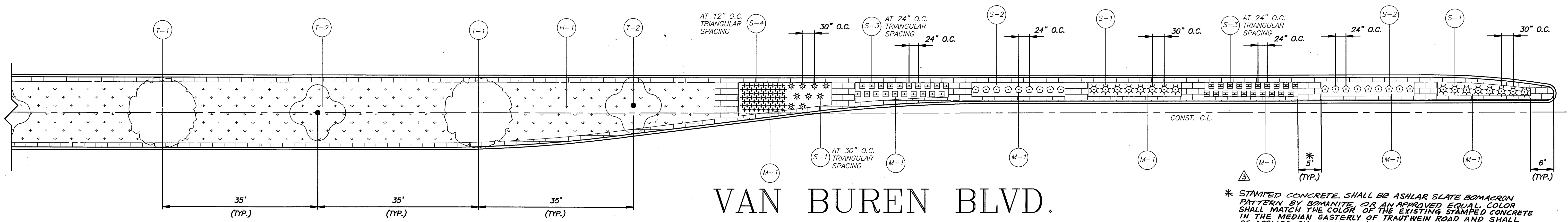
**IRRIGATION SYSTEM DESIGN CRITERIA**

- WATER SERVICE:**  
CONTRACTOR SHALL CONTACT WESTERN MUNICIPAL WATER DISTRICT AND OBTAIN AND PAY FOR NEW WATER METER(S) AS NECESSARY TO ADEQUATELY SERVE THE IRRIGATION SYSTEM AS DESIGNED. METER AND BACKFLOW DEVICES SHALL BE LOCATED IN THE PARKWAY A MINIMUM OF 100' FROM ANY INTERSECTION OR MAJOR DRIVEWAY (CURB RETURN TYPE DRIVEWAY OPENING). CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER COSTS THROUGHOUT THE MAINTENANCE AND PLANT ESTABLISHMENT PERIOD.
- ELECTRIC SERVICE:**  
CONTRACTOR SHALL CONTACT THE CITY OF RIVERSIDE, PUBLIC UTILITIES, ELECTRIC DIVISION AND SHALL OBTAIN AND PAY FOR NEW "NON-METERED" ELECTRIC SERVICE AS NECESSARY TO SERVE THE NEW IRRIGATION CONTROLLER. SERVICE SHALL BE UNDERGROUND TYPE AND SHALL BE COORDINATED WITH THE CONTROLLER LOCATION.
- IRRIG. CONTROLLER:**  
THE IRRIGATION CONTROLLER SHALL BE SIZED TO ACCOMMODATE THE NUMBER OF VALVES REQUIRED TO SERVE THE ENTIRE PROJECT AND TO PROVIDE A MINIMUM OF TWO SPARE STATIONS. THE CONTROLLER SHALL BE THE TYPE AND MANUFACTURER AS INDICATED ON THE PLANS. CONTROLLER SHALL BE WEATHERPROOF, WALL-MOUNT TYPE, INSTALLED WITHIN A LOCKING METAL ENCLOSURE, AND SHALL BE LOCATED MID-BLOCK IN THE PARKWAY A MINIMUM OF 100' FROM ANY INTERSECTION OR MAJOR DRIVEWAY (CURB RETURN TYPE DRIVEWAY OPENING).
- MAINLINE & SLEEVES:**  
ALL LINES BENEATH THE STREET (I.E. NOT WITHIN THE LANDSCAPE MEDIAN PLANTING AREAS) SHALL BE CONSTANT PRESSURE LINES INSTALLED IN SLEEVES. SLEEVES SHALL BE INSTALLED IN STRAIGHT LINES (NO TURNS OR BENDS, EITHER VERTICAL OR HORIZONTAL). PROVIDE A LINE SIZE BALL VALVE WITHIN A VALVE BOX IMMEDIATELY UPSTREAM OF LINE ENTERING THE STREET AREA. SIZE MAINLINE TO KEEP WATER VELOCITY BELOW 5 FEET PER SECOND.
- CONTROL WIRE:**  
ALL CONTROL WIRE LOCATED UNDER PAVEMENT OF ANY TYPE SHALL BE SEPARATELY SLEEVED. PROVIDE A MINIMUM OF TWO SPARE CONTROL WIRE AT EACH END OF THE PROJECT, STUBBED OUT IN A VALVE BOX.
- LATERAL LINES:**  
SIZE ALL LATERAL LINES AS NECESSARY TO KEEP WATER VELOCITY BELOW 5 FEET PER SECOND. DESIGN LATERAL LINE PLACEMENTS AT EDGES OF PLANTING SPACES TO AVOID CONFLICT WITH PLANTINGS.
- CONTROL VALVES:**  
ALL IRRIGATION CONTROL VALVES SHALL BE SIZED TO PROVIDE THE WATER VOLUME REQUIRED WITH PRESSURE LOSS THROUGH THE VALVE KEPT AT BELOW A MAXIMUM OF 10% OF THE AVAILABLE STATIC PRESSURE. INSTALL VALVES IN "ANGLE" CONFIGURATION WHERE AVAILABLE. ALL STATIONS SHALL BE SIZED TO AVOID STATIONS WITH MORE THAN 20 GPM DEMAND OR 50 HEADS PER STATION WHICHEVER IS GREATER.
- QUICK COUPLERS:**  
PROVIDE QUICK COUPLER VALVES AT A MINIMUM OF 50' FROM THE END OF THE LANDSCAPED AREA IN EACH ISLAND, AND SPACED AT A MAXIMUM OF 50' O.C. IN SHRUB AREAS AND 75' O.C. IN TURF AREAS.
- HEADS:**  
ALL HEADS SHALL BE OF THE TYPE AND MANUFACTURER INDICATED ON THE PLANS AND SHALL BE INSTALLED WITH TRIPLE SWING JOINTS AS DETAILED.

<p>ENGINEER IN RESPONSIBLE CHARGE <i>Michael Katusian</i> MICHAEL KATUSIAN R.C.E. No. 36586 expires 6/30/04 DATE 4/28/03</p>	<p>CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT</p>		<p>VAN BUREN BLVD. LANDSCAPED MEDIANS FROM 1,060' E'LY OF TRAUTWEIN RD TO ORANGE TERRACE PKWY</p>	<p>ACCT. NO. 9542028234-440304XX <b>R-3635</b> SHEET 8 OF 9 FILE NO.</p>
	<p>APPROVED BY: <i>[Signature]</i> DATE: 5/17/03 PRINCIPAL ENGINEER TRAFFIC DIVISION PARKS DEPARTMENT INSPECTION SURVEYOR</p>	<p>APPROVED BY: <i>[Signature]</i> DATE: 5/16/03 CITY ENGINEER</p>	<p>HORIZ. SCALE: 1" = 20' VERT. SCALE:</p>	

PC-4390-M



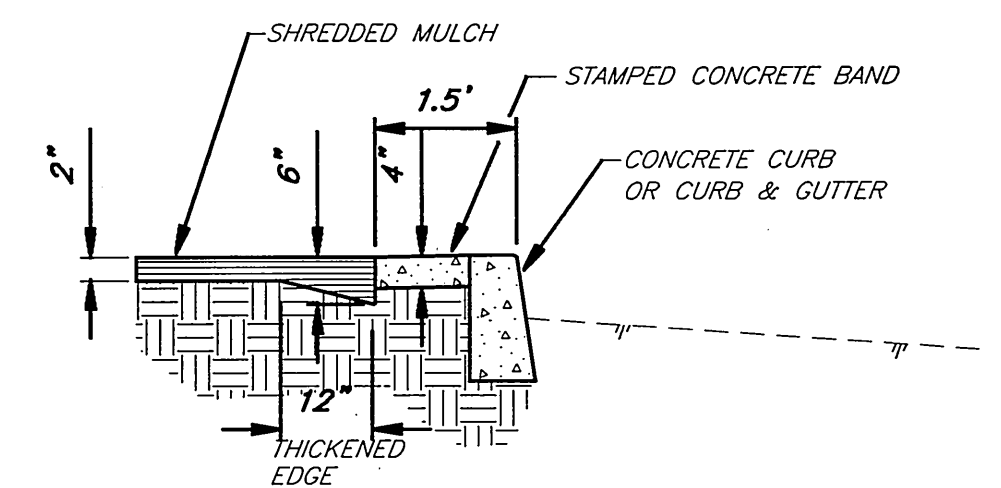


# VAN BUREN BLVD.

## TYPICAL PLANTING DETAIL

NO SCALE

\* STAMPED CONCRETE SHALL BE ASHLAR SLATE BOMACRON PATTERN BY BOMACRON 2. AN APPROVED EQUAL COLOR SHALL MATCH THE COLOR OF THE EXISTING STAMPED CONCRETE IN THE MEDIAN EASTERLY OF TRAUTWEIN ROAD AND SHALL BE APPLIED BY MEANS OF 'INTEGRAL COLOR METHOD' ONLY.



NOTE: 1. MULCH TO BE UNIFORMLY APPLIED THROUGHOUT THE SHRUB AREAS EXCEPT WITHIN TREE BASINS (EXCLUDES TURF AREAS).

### SHREDDED MULCH IN PLANT BED (TYP.)

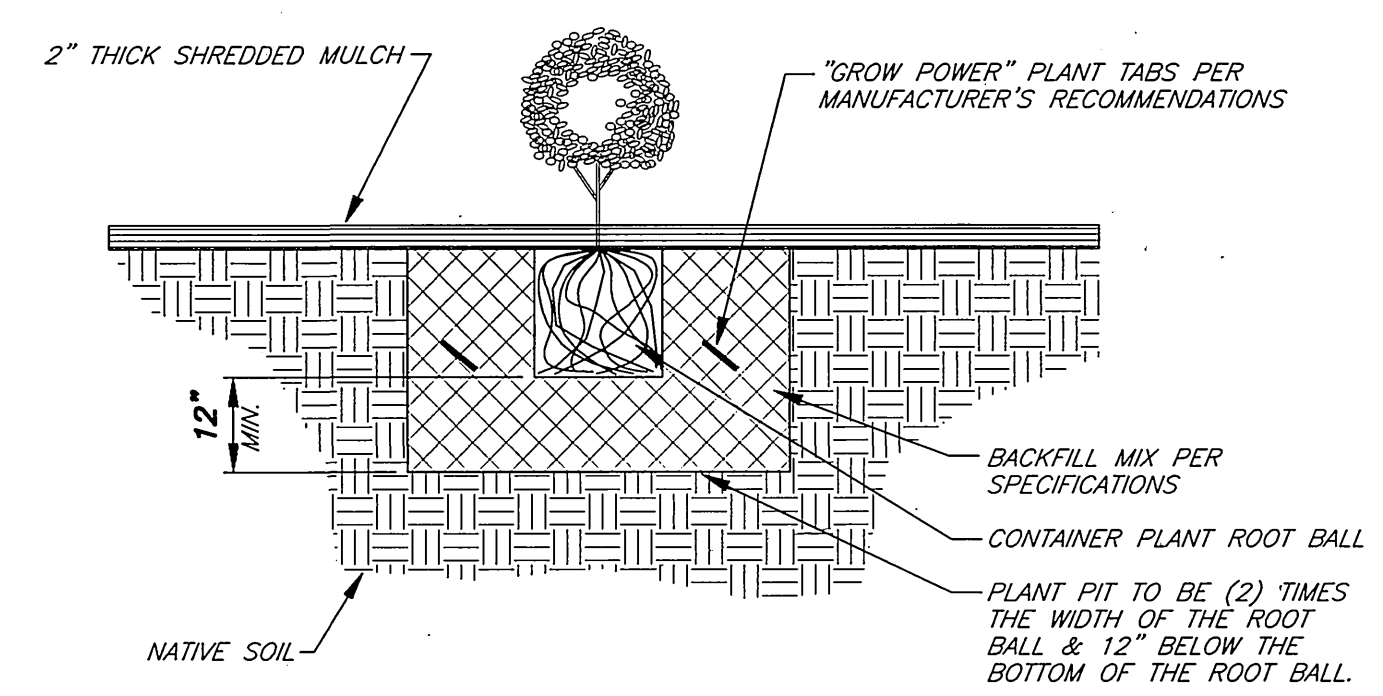
SCALE: 1"=2'

IRRIGATION LEGEND									
SYMBOL	DESCRIPTION	*DETAIL	REMARKS	SYMBOL	DESCRIPTION	*DETAIL	REMARKS	MIN. OP. PRESSURE	PRECIP. RATE
[Symbol]	CONTROLLER STATION			[Symbol]	FEBCO 825Y R.P. BACKFLOW PREVENTER W/WILKENS 500 YBSR PRESSURE REGULATOR/STRAINER	2	SIZE PER PLAN		
[Symbol]	G.P.M. DEMAND SIZE PER PLAN			[Symbol]	MASTER CONTROL VALVE, GRISWOLD SERIES 2000 1-1/2" DIA.				
[Symbol]	GRISWOLD 2000 REMOTE CONTROL VALVE			[Symbol]	TORO 570 12" HP-MPR-15H SPRAY SPRINKLER 15'R 1.65 GPM				
[Symbol]	RAINBIRD 44LRC 1" QUICK COUPLER			[Symbol]	TORO 570 12" HP-MPR-12H SPRAY SPRINKLER 12'R 1.09 GPM				
[Symbol]	RAINBIRD ESP-MC CONTROLLER (NO. OF STATIONS PER PLAN)			[Symbol]	TORO 570 12" HP-MPR-8H-PC SPRAY SPRINKLER 8'R 0.50 GPM				
[Symbol]	NIBCO T-580 BALL VALVE			[Symbol]	TORO 570 12" HP-MPR-8Q SPRAY SPRINKLER 8'R X .24 GPM				
[Symbol]	PRESSURE MAINLINE PVC SCH 40			[Symbol]	TORO 570 12" HP-MPR-4CST-PC SPRAY SPRINKLER 4' X 30' 0.75 GPM				
[Symbol]	INTERMITTENT PRESSURE LATERAL LINE PVC CL200			[Symbol]	TORO 570 12" HP-MPR-4EST-PC SPRAY SPRINKLER 4' X 15' 0.38 GPM				
[Symbol]	PVC PIPE & WIRE SLEEVE SIZE PER PLAN OR 2X PIPE DIA.			[Symbol]	TORO 570 12" HP-MPR-8T SPRAY SPRINKLER 8'R 0.30 GPM				
[Symbol]	UF DIRECT BURIAL CONTROL WIRE, SOLID COPPER								

(\*SEE TYPICAL IRRIGATION CONNECTION DETAIL BELOW FOR DETAILS)

### NOTES:

- UNTANGLE MATTED ROOTS BY LOOSENING ALL ROOTS AT EDGE OF ROOT BALL WITH WATER FROM HOSE. DO NOT CRACK ROOT BALL.
- PLACE "GROW POWER" TABS IN PLANT CONTAINER PRIOR TO PLANTING FOR OBSERVATION PURPOSES.

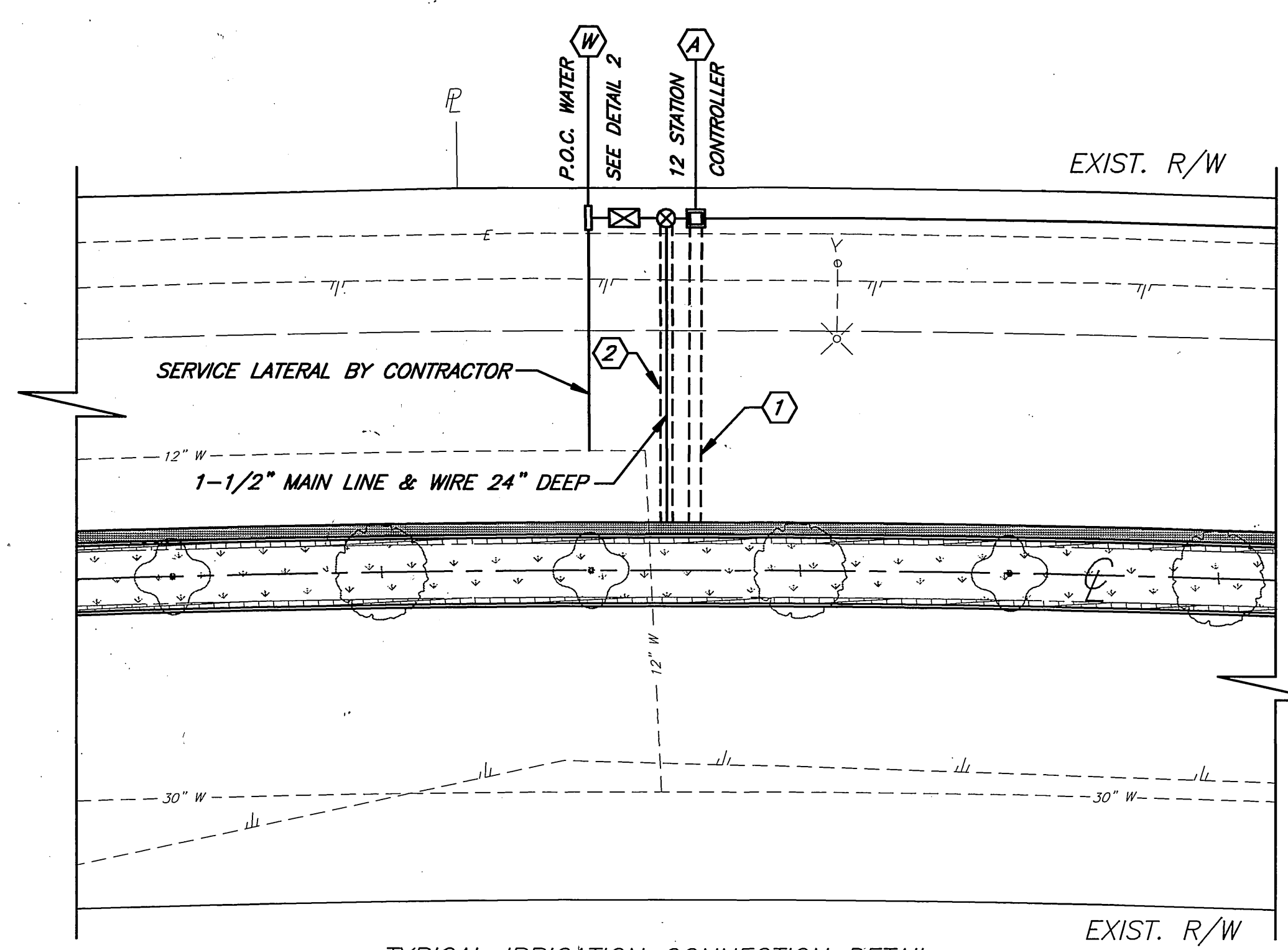


### CONTAINER PLANTING MEDIAN PLANTER

SCALE: 1"=2'

### PLANTING NOTES:

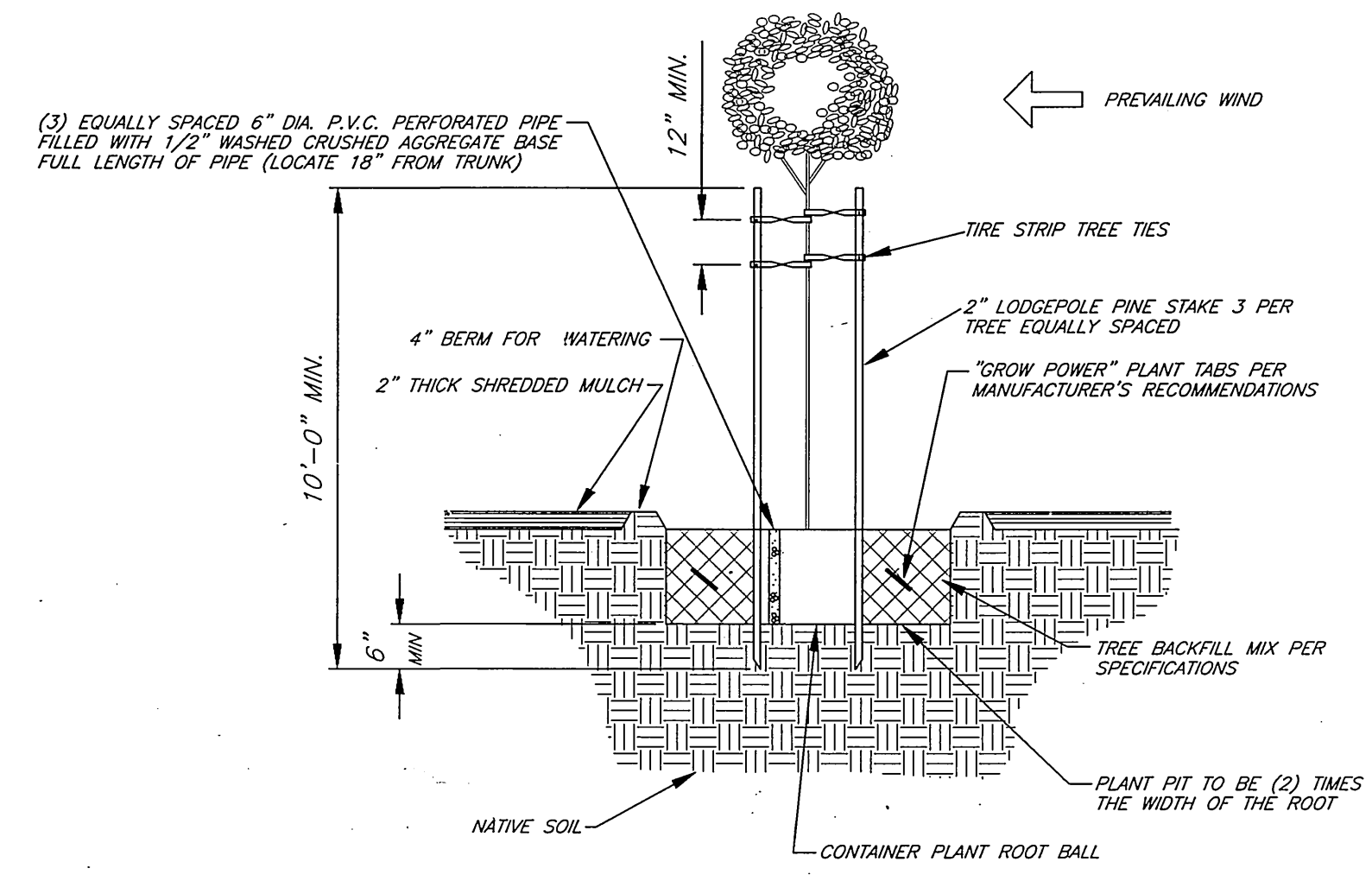
- PLANT DESIGN IS DIAGRAMMATIC AND SHALL NOT TAKE PLACE WHERE UNFORESEEN SITE CONDITIONS PREVENT EXECUTION OF THE DESIGNER'S INTENT. WHEN UNEXPECTED SITE CONDITIONS CAUSE UNREASONABLE DEVIATIONS IN THE INTENDED PLANTING SCHEME, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER.
- MAINTENANCE PERIOD SHALL BE 365 DAYS FROM DATE OF ACCEPTANCE. PLANTING SHALL BE GUARANTEED FOR ONE YEAR. MAINTENANCE SHALL INCLUDE BI-WEEKLY WEED AND RODENT ABATEMENT PROCEDURES INCLUDING 4 FOLIAR APPLICATIONS OF CHELATED IRON AND TRACE MINERALS 90 DAYS APART.
- REPLACEMENT OF DAMAGED OR DESTROYED ITEMS SHALL TAKE PLACE WITHIN 48 HOURS OF NOTIFICATION BY THE CITY'S REPRESENTATIVE, OR SAID REPLACEMENT ITEMS SHALL BE DEDUCTED FROM THE CONTRACTOR'S FINAL BILLING.
- REPLACEMENT ITEMS SHALL BE EXACT DUPLICATE OF ORIGINAL WORK OR PLANTS, UNLESS OTHERWISE APPROVED BY THE ENGINEER OR CITY'S REPRESENTATIVE.
- TREES AND SHRUBS SHALL BE PLANTED AFTER CONCRETE PLACEMENT, BUT NOT BEFORE IRRIGATION COVERAGE HAS BEEN APPROVED.
- PLACE TREES BETWEEN SPRAY HEADS WHEREVER POSSIBLE.
- TREE BACKFILL MIX SHALL CONSIST OF THE FOLLOWING PER CU. YD.:  
2/3 YD. SCREENED SITE SOIL  
1/3 YD. NITROLIZED WOOD SHAVINGS  
10 LBS. AG GYPSUM  
1 LBS. SOIL SULFUR  
2 LBS. IRON SULFATE
- IRRIGATION SYSTEM SHALL BE INSTALLED PRIOR TO PLANT MATERIAL.
- CLEAN-UP SHALL TAKE PLACE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE CITY'S REPRESENTATIVE.



### TYPICAL IRRIGATION CONNECTION DETAIL

NO SCALE

NOTE: CONNECT TO NEAREST EXISTING ELECTRIC SERVICE BOX. SUBJECT TO REVIEW AND APPROVAL OF P.U.E. DIVISION.



### MEDIAN TREE PLANTING / STAKING DETAIL

NO SCALE

### NOTES:

- STAKES SHALL NOT PIERCE ROOTBALL AND SHALL EXTEND INTO UNDISTURBED SOIL.
- PLACE "GROW POWER" TABS IN PLANT CONTAINER PRIOR TO PLANTING FOR OBSERVATION PURPOSES.

### IRRIGATION CONSTRUCTION LEGEND:

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

### IRRIGATION CONSTRUCTION NOTES:

- 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.).
- ALL IRRIGATION CONTROL WIRES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN 2" SCH. 40 P.V.C. SLEEVES (MIN.).
- ALL IRRIGATION VALVES, BALL VALVES, QUICK COUPLERS AND BOXES ARE TO BE LOCATED IN PLANTING AREAS.

P.O.C. DATA WATER SERVICE	
METER SIZE: X/X"	
SERVICE ADDRESS: XXXXXXXXXXXXXXXXXXXX	
ELEVATION: XXX.XX	
PRESSURE ZONE: GRAVITY (XXX ZONE)	
STATIC PRESSURE: XX P.S.I.	
SERVED AREA: HIGHEST ELEV. XXX.XX	
LOWEST ELEV. XXX.XX	
MAX. GPM DEMAND: XX.XX G.P.M.	
METER NO.:	

PLANTING LEGEND						
ITEM	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	QUANTITY
TREE T-1	[Symbol]	PODOCARPUS	FERN PINE	24" BOX	TREE LOCATIONS SHOWN ARE ONLY APPROXIMATE	
TREE T-2	[Symbol]	LAGERSTROEMIA INDICA	CRAPE MYRTLE (SEE NOTE BELOW)	24" BOX	TREE LOCATIONS SHOWN ARE ONLY APPROXIMATE	
SHRUB S-1	[Symbol]	PITOSPORUM TOBIRA "WHEELER'S DWARF"	WHEELER'S DWARF TOBIRA	5 GAL.	SPACED AT 30" O.C.	
HYDROSEEDED TURF H-1	[Symbol]		HYDROSEEDED TURF		SEE SPECIFICATION 02480	
MULCH MATERIAL M-1	[Symbol]		SHREDDED MULCH	MEDIUM GRIND	2" THICK	
SHRUB S-2	[Symbol]	RHAPHIOLEPIS INDICA "BALLERINA"	COMPACT INDIA HAWTHORNE	5 GAL.	SPACED @ 24" O.C.	
SHRUB S-3	[Symbol]	AGAPANTHUS "PETER PAN"	DWARF LILY OF THE NILE	1 GAL.	SPACED @ 12" O.C.	
SHRUB S-4	[Symbol]	HEMEROCALLIS	DAY LILY	1 GAL.	SPACED @ 12" O.C.	

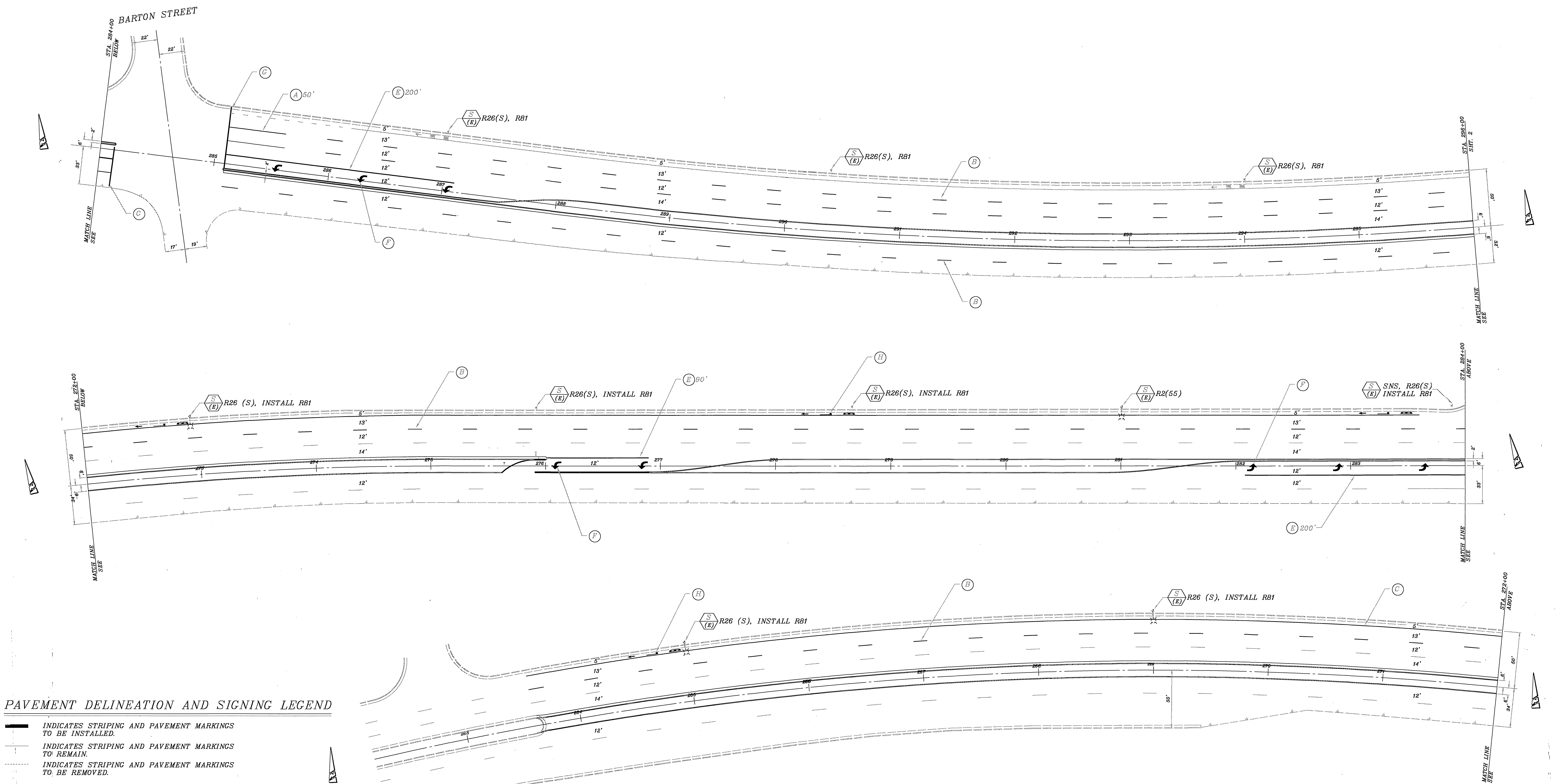
NOTE: PLANT CRAPE MYRTLE TREES WITH AN ALTERNATING VARIETY OF COLORS SUCH AS RED, PINK, PURPLE & WHITE.

ENGINEER IN RESPONSIBLE CHARGE  
  
 MICHAEL KATUSIAN  
 R.C.E. No. 36686 expires 6/30/04  
 DATE: 4/28/03

APPROVED BY: [Signature]  
 CITY ENGINEER  
 DATE: 5/1/03

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: [Signature]  
 TRAFFIC DIVISION  
 DATE: 5/1/03

VAN BUREN BLVD.  
 LANDSCAPED MEDIANS  
 FROM 1,060' E'LY OF TRAUTWEIN RD  
 TO ORANGE TERRACE PKWY  
 ACCT. NO. 954202234-440304XX  
 R-3635  
 SHEET 9 OF 9  
 FILE NO.



**PAVEMENT DELINEATION AND SIGNING LEGEND**

- INDICATES STRIPING AND PAVEMENT MARKINGS TO BE INSTALLED.
- - - INDICATES STRIPING AND PAVEMENT MARKINGS TO REMAIN.
- INDICATES STRIPING AND PAVEMENT MARKINGS TO BE REMOVED.
- (A) 4" SOLID WHITE STRIPE
- (B) 4" DASH WHITE STRIPE ( 12' STRIPE, 36' CAP )
- (C) 6" SOLID WHITE STRIPE
- (D) 6" DASH WHITE STRIPE ( 4' STRIPE, 8' CAP )
- (E) 8" SOLID WHITE STRIPE
- (F) SOLID WHITE ARROW
- (G) 12" SOLID WHITE STRIPE
- (H) SOLID WHITE BIKE LANE STENCIL W/ ARROW
- (S)(E) INDICATES EXISTING SIGN(S) TO REMAIN IN PLACE.
- (S)(N) INDICATES NEW SIGN(S) AND POST TO BE FURNISHED AND INSTALLED BY CONTRACTOR PER STD. DWG. NO. 666.

**ENGINEER IN RESPONSIBLE CHARGE**  
*Michael Katusan*  
 MICHAEL KATUSIAN  
 R.C.E. No. 36686 expires 6/30/04  
 DATE 12/14/03

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
TRAFFIC DIVISION	CH	12/15/03	<i>John Boyd</i>
			CITY ENGINEER
			DATE 12/23/03

STRIPING PLAN		ACCT. NO. 9542028234-44030400
VAN BUREN BLVD. TRAUTWEIN RD. TO ORANGE TERRACE PKWY.		XL-479
SCALE: 1" = 40'		SHEET 1 OF 2
		FILE NAME: XL479-1.DWG

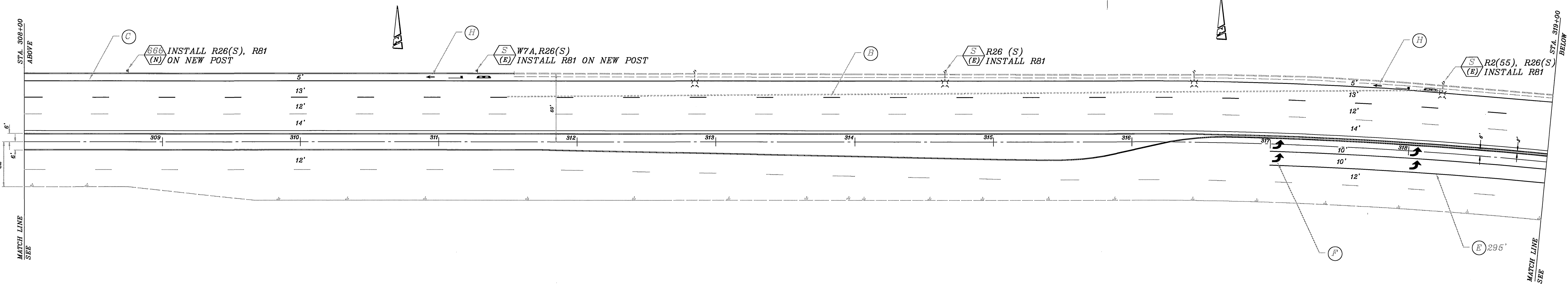
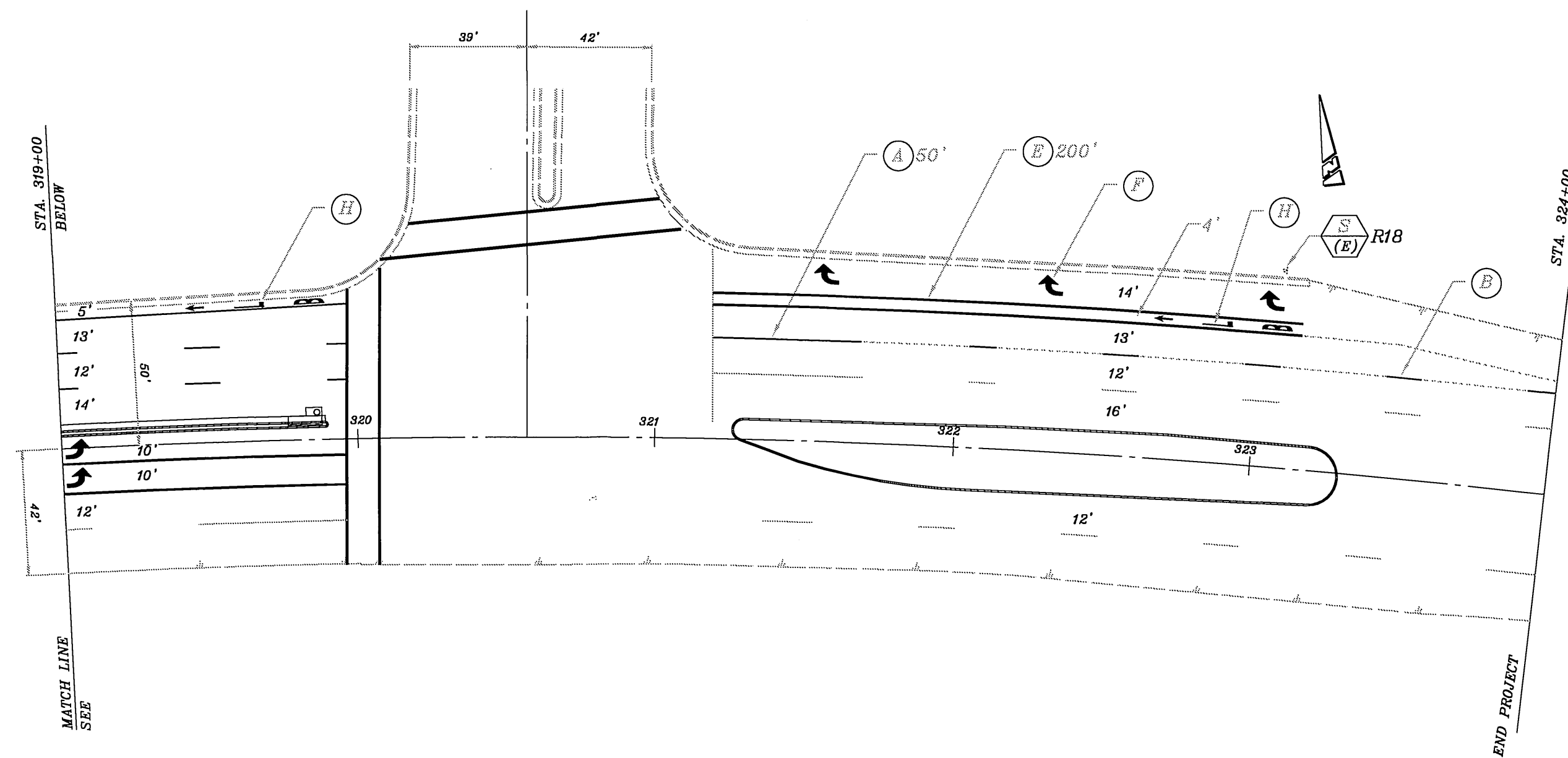
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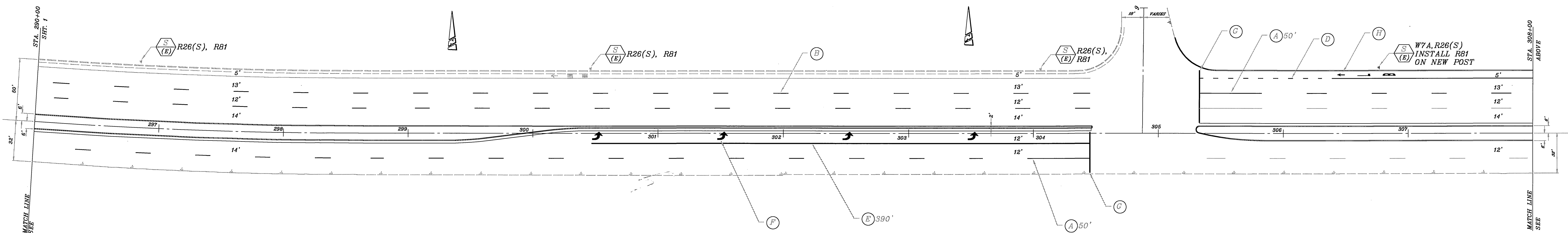
**PAVEMENT DELINEATION AND SIGNING LEGEND**

- INDICATES STRIPING AND PAVEMENT MARKINGS TO BE INSTALLED.
- - - INDICATES STRIPING AND PAVEMENT MARKINGS TO REMAIN.
- · · INDICATES STRIPING AND PAVEMENT MARKINGS TO BE REMOVED.
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- (F) SOLID WHITE ARROW
- (G) 12" SOLID WHITE STRIPE
- (H) SOLID WHITE BIKE LANE STENCIL W/ ARROW
- (S) INDICATES EXISTING SIGN(S) TO REMAIN IN PLACE.
- (E) INDICATES NEW SIGN(S) AND POST TO BE FURNISHED AND INSTALLED BY CONTRACTOR PER STD. DWG. NO. 666.

**ORANGE TERRACE PKWY**



**COYOTE BUSH LN.**



**ENGINEER IN RESPONSIBLE CHARGE**  
*Michael Katustian*  
**MICHAEL KATUSTIAN**  
 R.C.E. No. 36885 exp. 5/30/04  
 DATE 12/14/03

MARK	REVISIONS	APPR.	DATE

**CITY OF RIVERSIDE, CALIFORNIA**  
**DEPARTMENT OF PUBLIC WORKS**

APPROVED BY	BY	DATE	APPROVED BY
	DH	12/23/03	<i>Alan Berg</i>
PRINCIPAL ENGINEER			CITY ENGINEER
TRAFFIC DIVISION		12/17/03	

DESIGNED BY **MAC** DRAWN BY **MAC** CHECKED BY

File with R-3635

**STRIPING PLAN**  
**VAN BUREN BLVD.**  
**TRAUTWEIN RD. TO**  
**ORANGE TERRACE PKWY.**

SCALE: 1" = 40'

ACCT. NO.  
9542028234-44030400

**XL-479**

SHEET 2 OF 2

FILE NAME: XL479-2.DWG