Dist	County	Route	Post Miles - Total Project	Sheet No.	Total Sheets
08	Riv	0	Riv	1	14

DEPUTY DISTRICT DIRECTOR PROJECT DEVELOPMENT
Registered Civil Engineer No. 12189

Chief, Office of Office Engineer
Registered Civil Engineer No. 8854

Date approved May 13, 1985

MMG-R102(3)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON CITY STREETS

IN RIVERSIDE COUNTY
IN RIVERSIDE ON ARLINGTON AVENUE
FROM RIVERSIDE AVENUE
TO 0.1 MILE EAST
OF INDIANA AVENUE

To be supplemented by Standard Plans dated July, 1984

INDEX OF SHEETS

SHEET NO. 1 TITLE, VICINITY MAP, LEGENDS AND CONSTRUCTION NOTES
" " 2 TYPICAL CROSS SECTIONS AND DETAILS
" " 3 STANDARD PLANS LIST
" " 4-5 PLANS AND PROFILES
" " 6-7 TRAFFIC SIGNAL REVISIONS
" " 8-9 STRIPING PLANS
" " 10 PLANTING AND IRRIGATION PLANS
" " 11 TIMBER CANAL COVER AND A.C.P. DRAINAGE DETAILS
" " 12-14 SUPPLEMENTAL DRAWINGS AND DETAILS

CONSTRUCTION LEGEND

CENTER LINE
RIGHT-OF-WAY LINE
SUBDIVISION LOT LINE
TOP OF SLOPE
TOE OF SLOPE
DIRECTION OF FLOW

OVERLAY EXISTING A.C. PAVEMENT WITH A VARIABLE THICKNESS OF ASPHALT CONCRETE. MINIMUM OVERLAY TO BE 3/4" THICK.

CONSTRUCT STRUCTURAL SECTION OF 0.36' A.C. OVER 1.45' CLASS 2 AGGREGATE BASE.

CONSTRUCT STRUCTURAL SECTION OF 0.33' A.C. OVER 0.83' CLASS 2 AGGREGATE BASE.

A.C. P.C.C. REPLACE OR REGRADE DRIVEWAY TO GRADES, ALIGNMENT, AND MATERIALS SHOWN ON PLAN. A.C.: 2 1/2" THICK (MIN.), P.C.C.: 6" THICK. PLACE ASPHALT CONCRETE (MISCELLANEOUS AREA)

GAS LINE POTHOLE LOCATIONS. D = DEPTH OF COVER.

SPECIFIC CONSTRUCTION NOTES

NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE SUPPLEMENTAL DRAWING (SHEETS SD-1, SD-2 AND SD-3) AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET BELOW. ANY NUMBER SHOWN BELOW THE SUPPLEMENTAL DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.

R 11 — REMOVE ENTIRE TREE. CLASS 15 SHOWN ON PLAN, CLASS I: 6" TO 18" DIA.; CLASS II: OVER 18" TO 36" DIA.; CLASS III: OVER 36" DIA.

T 1 — TRANSPLANT PALM TREE TO LOCATION AS INDICATED IN SPECIAL PROVISIONS OR WHERE DIRECTED BY THE PARK DEPT. SIZE CLASSES ARE THE SAME AS FOR TREE REMOVAL.

A 2 — DETAIL / SHEET NO.

W — TO BE RELOCATED OR ADJUSTED TO GRADE BY PUBLIC UTILITIES, WATER DIVISION.

E — " " PUBLIC UTILITIES, ELECTRIC DIVISION.

G — " " SOUTHERN CALIFORNIA GAS CO.

T — " " PACIFIC TELEPHONE CO.

NB-A — STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORATION, STANDARD PLANS, DATED JULY, 1984

1-3 — REVISIONS PER C/R WATER DEPT.

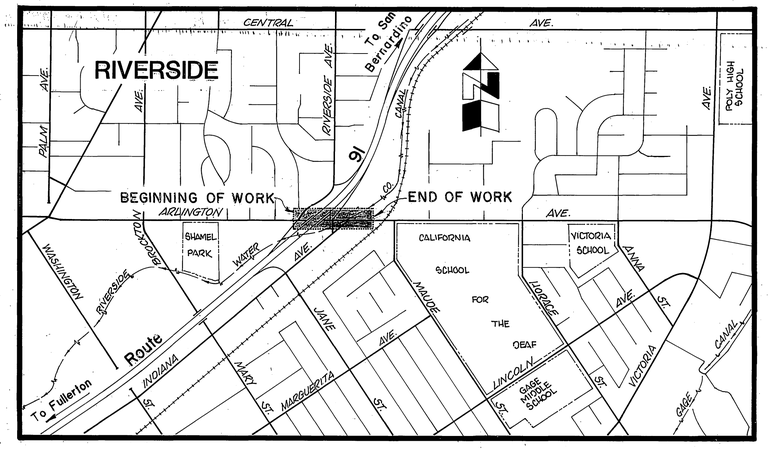
GENERAL CONSTRUCTION NOTES

1. EXISTING UTILITIES SHOWN ON THIS PLAN 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 THIS PLAN. IF THE COVER OF A UTILITY IS KNOWN IT IS SHOWN IN THE PROFILE. UTILITIES SHOWN IN THE PROFILE AS: (<==> UTILITY NAME) INDICATES THAT COVER IS UNKNOWN, BUT THE UTILITY IS NOT EXPECTED TO CONFLICT WITH PROPOSED IMPROVEMENTS
2. WHERE NEW CONSTRUCTION IS INDICATED: REMOVE EXISTING CURB, GUTTER, DRIVEWAY APRONS, CANAL PORTIONS & SIDEWALK. EXCEPT AS NOTED, ROADWAY PAVEMENT SECTIONS ARE TO REMAIN IN PLACE AND UNDAMAGED.
3. WHERE NEW SIDEWALK OR DRIVEWAY MEETS OR REPLACES EXISTING SIDEWALK OR DRIVEWAY, JOINTS SHALL MATCH EXISTING.
4. TRAFFIC SIGNS REMOVED DURING CONSTRUCTION SHALL BE SALVAGED BY THE CONTRACTOR AND RELOCATED AS DIRECTED BY THE ENGINEER.
5. ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD.
6. WHERE CONSTRUCTION IS SHOWN OUTSIDE OF THE STREET RIGHT OF WAY, RIGHT OF ENTRIES HAVE BEEN OBTAINED.
7. ALL UTILITIES IN CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE RELOCATED BY OTHERS PRIOR TO THE START OF CONSTRUCTION.
8. THE FOLLOWING STANDARD PLANS AND SUPPLEMENTAL DRAWINGS APPLY TO THIS PROJECT AND SHALL BE CONSIDERED AS PART OF THIS PROJECT:

CITY OF RIVERSIDE (Public Works Dept.)
200 302 325 612 667
220 304 424 658

CITY OF RIVERSIDE (Parks & Recreation Dept.)
401 404A 404B 502
403 405 406 407

CITY OF RIVERSIDE (Public Utilities Dept.)
UGS - 801



VICINITY MAP

0 KM. 0.5 KM. 1 KM. 1.5 KM.
0' 500' 1000' 2000' 3000' 4000' 5000' 6000'

SCALE 1" = 1000'

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER — 8" S
WATER LINE — 6" W
STORM DRAIN — 24" S.D.
GAS LINE — 3" G
IRRIGATION LINE — 20" IRR.
ABANDONED UTILITY — 6" G (ABAN'D)
TELEPHONE CONDUIT — T
ELECTRICAL CONDUIT — E
STREET LIGHTING — SL
TRAFFIC SIGNAL — SIG
FIRE ALARM — F

EXISTING TOPOGRAPHY:

BLOCK WALL
BOARD FENCE
WIRE FENCE
CHAIN LINK FENCE
TOP OF SLOPE
TOE OF SLOPE
DIRECTION OF FLOW

SANITARY SEWER M.H.
SANITARY SEWER CLEANOUT
STORM DRAIN M.H.
IRRIGATION WEIR
WATER M.H.
GAS M.H.
ELECTRIC M.H.
TELEPHONE M.H. OR VAULT
WATER METER
FIRE HYDRANT
SPRINKLER HEAD
VALVE
AIR VALVE
AIR VENT
POTHOLE LOCATION D = DEPTH FROM EXIST. SURFACE TO TOP OF PIPE.
CONCRETE
ASPHALT
EDGE OF PAVEMENT
BUILDING
UNDERGROUND STRUCTURE
OVERHANGING STRUCTURE
POLE & GUY ANCHOR
ELECTRIC POLE
TELEPHONE POLE
JOINT USE POLE
PULL BOX
TRAFFIC SIGN
PARKING METER
FIRE ALARM BOX
STREET NAME SIGN
GAS METER
MAIL BOX
FAUCET
TELEPHONE RISER
WHEEL STOP
A.C. BERM
STEEL POST
WOOD POST
PEDESTRIAN PUSH BUTTON
RAILROAD TRACKS
RAILROAD SIGN
RAILROAD SIGNAL
STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
STREET LIGHT (UPRIGHT)
STREET LIGHT
TRAFFIC SIGNAL
TRAFFIC SIGNAL ON MAST ARM
TRAFFIC SIGNAL CONTROLLER
TRAFFIC SIGNAL PRESSURE DETECTOR
TRAFFIC SIGNAL LOOP DETECTOR
CITRUS TREE
OR DECIDUOUS TREE
OR PALM TREE
OR SHRUBBERY
TREE STUMP
EVERGREEN TREE

AS BUILT
BY D. A. Mayer
NO CORRECTIONS THIS SHEET

Contract No. 08-262604

ITEM		QUANTITY
MINOR CONCRETE (CURB)	A) CURB (8" C.F.)	1506 LF = 94 C.Y.
	B) CURB (6" C.F.)	550 LF = 32 C.Y.
		TOTAL = 126 C.Y.
ITEM		QUANTITY
MINOR CONCRETE (MISC. CONSTRUCTION)	A) CROSS GUTTER & SPANDREL	700 SQ FT = 17 C.Y.
	B) SIDEWALK & WHEELCHAIR RAMPS	9,315 SQ FT = 100 C.Y.
	C) DRIVEWAY APPROACHES	1,383 SQ FT = 75 C.Y.
		TOTAL = 142 C.Y.
ITEM		QUANTITY
CLASS A CONCRETE (STRUCTURE)	A) S. SIDE REINFORCED CONCRETE CANAL COVER	LUMP SUM
	B) N. SIDE REINFORCED CONCRETE CANAL COVER	

MARK	REVISIONS	APPR.	DATE
3	ADDED CONCRETE PAY ITEM TABLE PER CAL TRANS REVIEW		1/9/85
2	REVISIONS PER C/R WATER DEPT.		1/7/85
1	ADDED INDEX		1/7/85

PUBLIC UTILITIES DEPT.
ELECTRIC DIVISION

For John Johnson 4/26/85
CHIEF UTILITIES ENGINEER, ELECTRIC DIVISION — DATE

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		7-17-84
PARK DEPARTMENT		4-11-84
TRAFFIC DIVISION		4-24-84
CHIEF P.W. ENGINEER		5-1-84
PUBLIC UTILITIES WATER		4-12-84

APPROVED BY: PUBLIC WORKS DIRECTOR RCE No. 16793
DATE 9/8/84

ARLINGTON AVE. WIDENING
RIVERSIDE AVENUE TO 0.1 MILE EAST OF INDIANA AVENUE

ACCOUNT No. 30-515-396-01
DRAWING NUMBER R-2462
SHEET 1 OF 14

DESIGNED BY BIM DRAWN BY SK JWC CHECKED BY CWS RCM

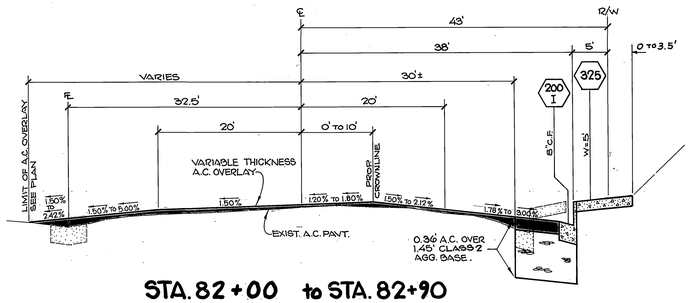
08207 262601

INDEXED D.A.J.

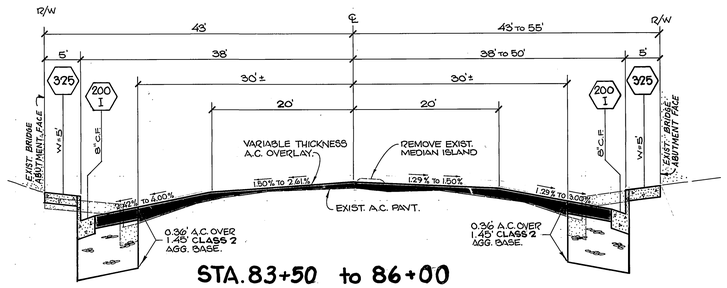
89 00 39
RR-1325
4-7 11-

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	0	Riv	2	14

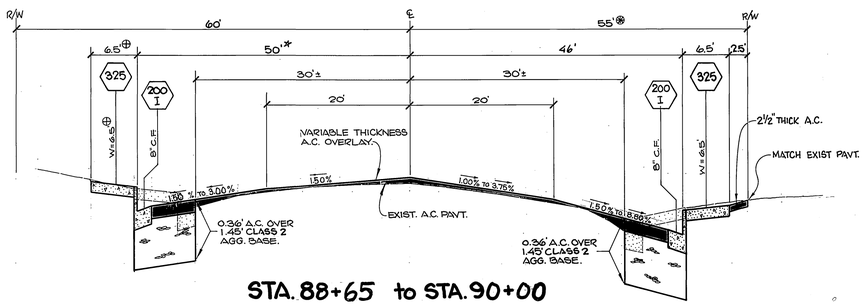
DATE APPROVED May 13, 1985



STA. 82+00 to STA. 82+90



STA. 83+50 to 86+00

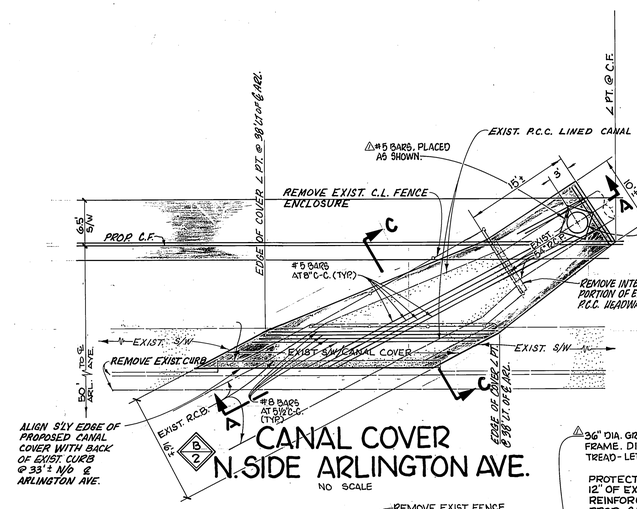


STA. 88+65 to STA. 90+00

⊗ VARIES TO 55' FROM STA 88+70 TO STA 89+08
* 52' FROM STA. 88+67 TO STA. 88+98
⊕ 4.5' FROM STA. 88+67 TO STA. 88+98

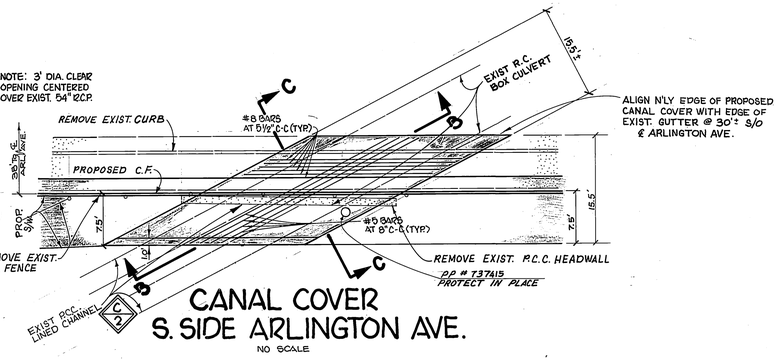
TYPICAL CROSS SECTIONS ARLINGTON AVE.

SCALE - HORIZ.: 1"=10'
VERT.: 1"=2'



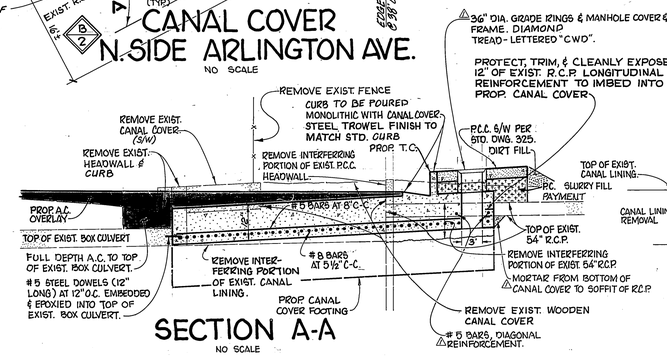
CANAL COVER N. SIDE ARLINGTON AVE.

NO SCALE



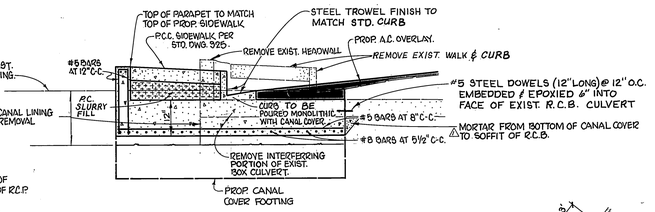
CANAL COVER S. SIDE ARLINGTON AVE.

NO SCALE



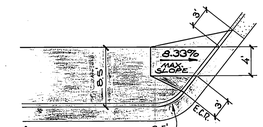
SECTION A-A

NO SCALE

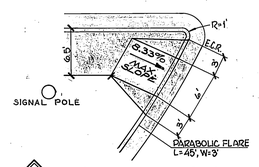


SECTION B-B

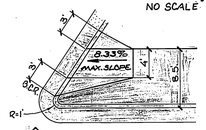
NO SCALE



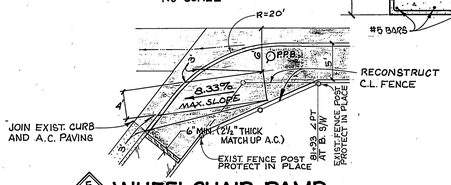
E T-1 WHEELCHAIR RAMP
STA. 86+84, 43' LT.
NO SCALE



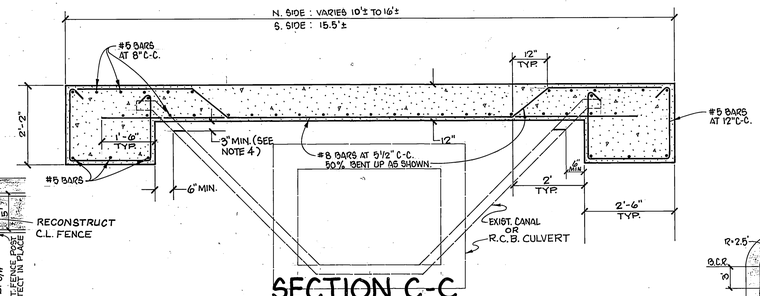
D T-1 WHEELCHAIR RAMP
STA. 81+43, 45' RT.
NO SCALE



G T-1 WHEELCHAIR RAMPS (TYP.)
STA. 87+27 AND 87+69, 45' LT.
NO SCALE



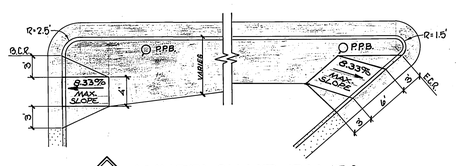
E T-1 WHEELCHAIR RAMP
STA. 81+73, 45' RT.
SCALE: 1" = 10'



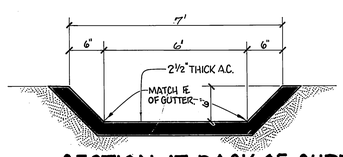
SECTION C-C TYPICAL SECTION CANAL COVERS

NO SCALE

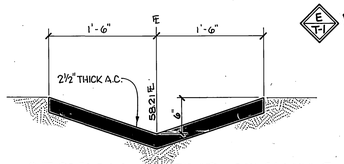
GENERAL NOTES
1. 2½" MIN. COVER BETWEEN REINFORCING STEEL AND FINISHED CONCRETE SURFACE.
2. CHAMFER ¾" AT ALL EXPOSED CORNERS.
3. CONCRETE SHALL BE CLASS A.
4. REMOVE LINING AND 54" R.C.P. WHERE NECESSARY TO PROVIDE CLEARANCE AS SHOWN.



H T-1 WHEELCHAIR RAMPS
STA. 87+04, 46' RT.
STA. 88+12.50, 44' RT.
NO SCALE

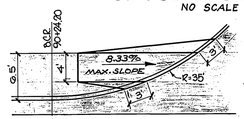


SECTION AT BACK OF CURB



SECTION AT END OF SWALE

A 2 A.C. DRAINAGE SWALE
STA. 87+87±, 95' LT.
NO SCALE



A T-1 WHEELCHAIR RAMP
STA. 90+49, 54' LT.
NO SCALE

AS BUILT
BY J.A. Mayer
NO CORRECTIONS THIS SHEET

T-1
INDEXED D.H.
M MG-12102(3)

ST. LTS. W

PUBLIC UTILITIES DEPT.
ELECTRIC DIVISION
John Johnson 9/26/84
CHIEF UTILITIES ENGINEER, DATE
ELECTRIC DIVISION

MARK	REVISIONS	APPR.	DATE
A	ADDED M.H. ON N. SIDE CANAL COVER & SOFFIT MORTARING PER C.W.D.	JHL	10/3/84

DESIGNED BY BMM DRAWN BY SK LIN CHECKED BY

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	9-17-84	
PARK DEPARTMENT	9-11-84	
TRAFFIC DIVISION	9-24-84	
CHIEF P. W. ENGINEER		
PUBLIC UTILITIES WATER	9-12-84	DLE

APPROVED BY
PUBLIC WORKS DIRECTOR
RCE # 18,733
DATE 9/18/84

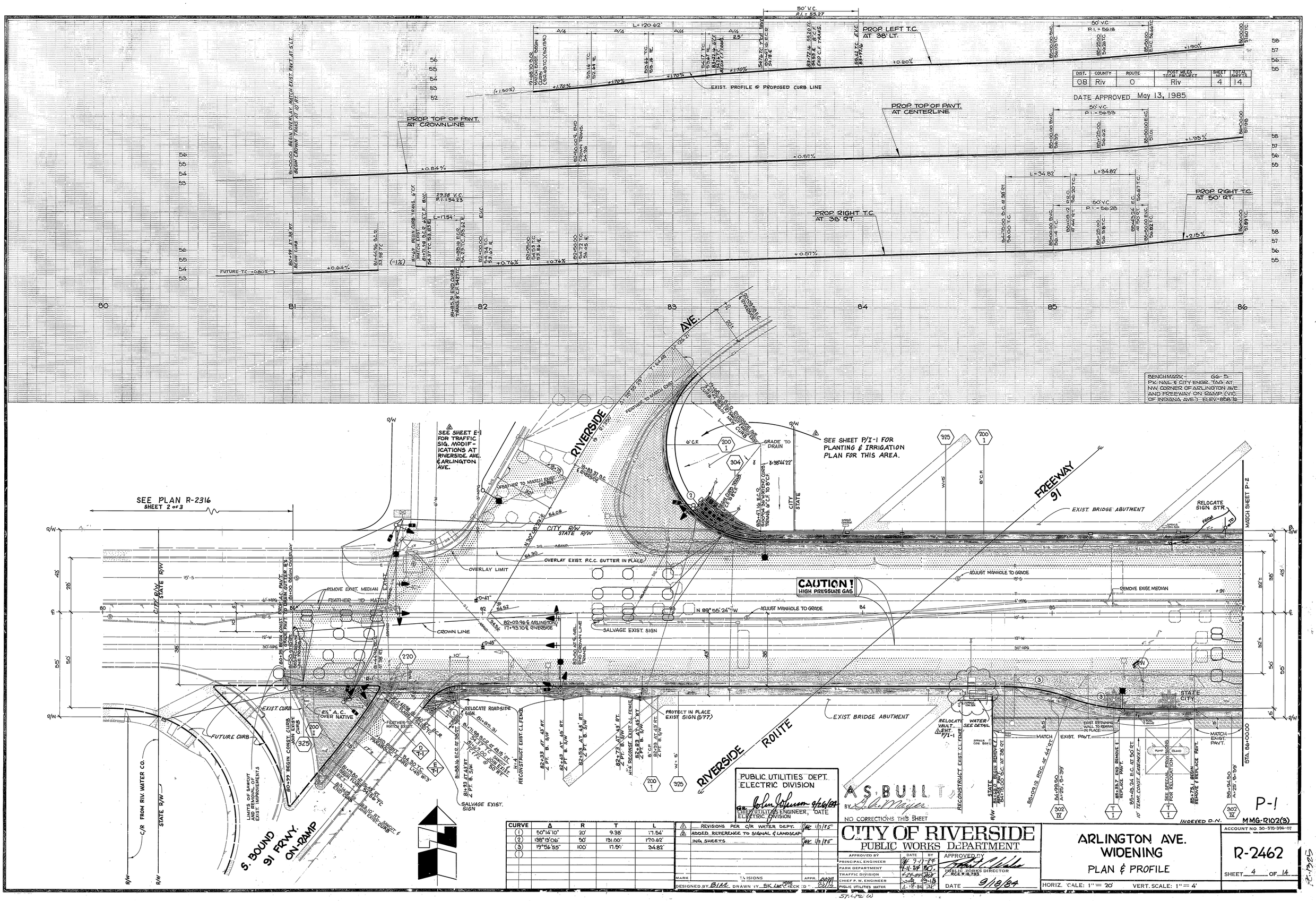
ARLINGTON AVE. WIDENING
TYPICAL CROSS SECTIONS & DETAILS

HORIZ. SCALE: AS SHOWN VERT. SCALE: AS SHOWN

ACCOUNT NO. 30-576-396-07
R-2462
SHEET 2 OF 14

2

R-19285



DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	0	Riv	4	14

DATE APPROVED May 13, 1985

BENCHMARK - GG-5
PK NAIL & CITY ENGR. TAG AT NW CORNER OF ARLINGTON AVE. AND FREEWAY ON RAMP (VIC. OF INDIANA AVE.) ELEV. 858.76

PUBLIC UTILITIES DEPT. ELECTRIC DIVISION
John Johnson 9/26/84
CHIEF UTILITIES ENGINEER, ELECTRIC DIVISION DATE

AS BUILT
BY G. A. Mayer
NO CORRECTIONS THIS SHEET

CURVE	Δ	R	T	L
(1)	50°14'10"	20'	9.38'	17.54'
(2)	138°13'06"	50'	131.00'	120.62'
(3)	19°56'55"	100'	17.59'	34.82'
(1)				

1	REVISIONS PER C/R WATER DEPT.	JMC	1/7/85
2	ADDED REFERENCE TO SIGNAL & LANDSCAPING SHEETS	JMC	1/7/85

MARK REVISIONS APPR.

DESIGNED BY BIM DRAWN BY SK CHECKED

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	9-17-84	
PARK DEPARTMENT	9-11-84	
TRAFFIC DIVISION	4-24-84	
CHIEF P. W. ENGINEER	9-18	
PUBLIC UTILITIES WATER	4-12-84	

APPROVED BY
PUBLIC WORKS DIRECTOR RCE # 18,793
DATE 9/18/84

ARLINGTON AVE. WIDENING
PLAN & PROFILE

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

INDEXED D.N.

P-1

MMG-R102(3)

ACCOUNT NO. 30-575-396-07

R-2462

SHEET 4 OF 14

4

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	0	Riv	5	14

DATE APPROVED May 13, 1985

CURVE	Δ	R	T	L
4	90°39'07"	35'	35.40'	55.38'
5	51°32'47"	5'	2.41'	4.50'
6	127°59'29"	50'	102.50'	111.69'
7	40°23'19"	43.50'	16'	30.66'
8	8°38'28"	100'	7.56'	15.08'
9	14°04'12"	100'	12.34'	24.56'
10	44°24'55"	35'	14.29'	27.13'
11	11°15'17"	52'	5.12'	10.21'

MARK	REVISIONS	APPR.	DATE
1	REVISONS PER C/R WATER DEPT.		4/7/85
2	ADDED REFERENCE TO SIGNAL, LANDSCAPE & TIMBER CANAL COVER SHEETS AND REVISED EXIST. D/W AT STA. 90+90± LT.		1/7/85

DESIGNED BY BIM DRAWN BY CHECKED BY

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	8-17-84	
PARK DEPARTMENT	6-11-84	
TRAFFIC DIVISION	4-24-84	
CHIEF P. W. ENGINEER		
PUBLIC UTILITIES WATER	4-12-84	

APPROVED BY
PUBLIC WORKS DIRECTOR
R.C.E. 18,793
DATE 9/18/84

NO CORRECTIONS

ARLINGTON AVE. WIDENING
PLAN & PROFILE

HOR'Z. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

ACCOUNT NO. 30-575-396-07

R-2462

SHEET 5 OF 14

DISTRICT	COUNTY	ROUTE	POST MILES	SHEET NO	TOTAL SHEETS
08	Riv	0	Riv	3	14

To accompany plans dated May 13, 1985

GENERAL ROAD WORK

- ■ A-10 Symbols and Abbreviations
- ✓■ A-20A Pavement Markers and Traffic Lines, Typical Details
- ✓■ A-20B Pavement Markers and Traffic Lines, Typical Details
- ☐ A35-A P.C.C. Paving Details
- ☐ A35-B Approach Slab
- ✓■ A62-A Excavation and Backfill Miscellaneous-Limits of Payment
- ☐ A62-B Excavation and Backfill Bridge Surcharge and Wall-Limits of Payment
- ☐ A62-C Excavation and Backfill Bridge - Limits of Payment
- ✓■ A62-D Excavation and Backfill Details Concrete and Asbestos-Cement Pipe Culverts
- ☐ A62-E Excavation and Backfill Details Reinforced Concrete Box and Arch Culverts
- ☐ A62-F Excavation and Backfill Details Metal Culverts
- ☐ A73 Type III Barricade, Dikes and Road Intersections
- ☐ A74-A Markers and Delineators
- ☐ A74-B Survey Monuments
- ☐ A75-A Concrete Barrier Type 50
- ☐ A75-B Concrete Barrier Type 50
- ☐ A77-A Metal Beam Barrier
- ☐ A77-B Metal Beam Barrier
- ☐ A77C-1 Metal Beam Guard Railing-Standard Hardware
- ☐ A77C-2 Metal Beam Guard Railing
- ☐ A77-D Barrier and Guard Rail Anchors
- ☐ A77-E Cable Anchor Assembly (Breakaway)
- ☐ A77-F Thrie Beam Barrier
- ☐ A77G Thrie Beam Barrier
- ☐ A79-A Guard Rail Flares
- ☐ A79-B Miscellaneous Guard Rail Details
- ☐ A79-C Guard Rail Connections to Bridge Rails, Retaining Walls and Abutments
- ☐ A79-D Guard Rail Connections to Bridge Sidewalks and Curbs
- ☐ A80 Emergency Passageways
- ☐ A81 Barrier Transitions
- ☐ A83 Portable Scale

- ☐ C7-A Reinforced Concrete Crib Wall Types A, B, C and D-Construction Details
- ☐ C7-B Reinforced Concrete Crib Wall Types A, B, C and D-Design Data
- ☐ C7-C Reinforced Concrete Crib Wall Types I, II, III, IV, V, VI, VII, VIII and IX
- ☐ C7-D Reinforced Concrete Crib Wall Types X, XI & XII
- ☐ C7-E Reinforced Conrete Crib Wall Header & Stretcher Details
- ☐ C7-F Reinforced Concrete Crib Wall Design Data - Types I thru XII
- ☐ C8-A Steel Crib Wall-Construction Details
- ☐ C8-B Steel Crib Wall-Design Data
- ☐ C8-C Steel Crib Wall-Design Data
- ☐ C9-A Timber Crib Wall Types A, B, C and D-Construction Details
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- ☐ D73 Drainage Inlets - G1, G2, G3, G4, G5, G6
- ☐ D74 Drainage Inlets - GT1, GT2, GT3, GT4, G0, GD0
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- ☐ D80 Single Box Culvert
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- ☐ D83 Box Culvert Miscellaneous
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- ☐ D85 Box Culvert Wingwall, Types "D" & "E"
- ☐ D86-A Box Culvert Warped Wingwalls
- ☐ D86-B Pipe Culvert Headwalls, Endwalls & Warped Wingwalls
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- ☐ D98-C Alternative Hinged Cover for Type OL & OS Inlets & Trash Rack for Type OCP Inlet
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- ✓■ T-11 Traffic Control System for Lane Closure on Multilane Conventional Highways, Miscellaneous Details
- ✓■ T-12 Traffic Control System for Lane Closure on Multilane Conventional Highways, Miscellaneous Details
- ☐ T-13 Traffic Control System for Lane Closure on Two Lane Conventional Highways
- ✓■ T-14 Details for Ramp Closures, Miscellaneous Details

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- ☐ B0-3 Bridge Details
- ☐ B0-5 Bridge Details
- ☐ B0-13 Bridge Details
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- ☐ B2-3 16" Cast-in-Drilled-Hole Concrete Pile
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- ☐ B2-8 Pile Details-Class 45C and Class 70C
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- ☐ B3-5 Counterfort Retaining Wall - Type 3
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- ☐ B11-53 Concrete Barrier Type 25
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- ☐ S4-6 Overhead Signs, Truss, Single Post Type, Structural Frame Members
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- ☐ S7-8 Overhead Signs, Truss, Frame Juncture Details
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- ☐ S14B-4 Overhead Signs, Lightweight, Balanced-Single Steel Post Details
- ☐ S15-8 Overhead Signs, Lightweight, Type A, Connection Details
- ☐ S16-7 Overhead Signs, Lightweight, Type B, Connection Details
- ☐ S17-8 Overhead Signs, Lightweight, Type C, Connection Details
- ☐ S18A-8 Overhead Signs, Lightweight, Sign Panel Mounting Details, Laminated Panel, Type A
- ☐ S18B-7 Overhead Signs, Lightweight, Light Fixture Mounting Details
- ☐ S20A-7 Overhead Signs, Lightweight, Post Details
- ☐ S20B-9 Overhead Signs, Lightweight, Foundation
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- ☐ S22-2 Overhead Signs, Box Beam, Two Post Type Frame Members
- ☐ S23-4 Overhead Signs, Box Beam, Two Post Type Frame Details
- ☐ S24-4 Overhead Signs, Box Beam, Two Post Type Cantilever Frame Details
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- ☐ S27-5 Overhead Signs, Box Beam, Single Post Type Frame Members
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- ☐ S29-4 Overhead Signs, Box Beam, Single Post Cantilever Frame Juncture Details
- ☐ S30-6 Overhead Signs, Box Beam, Single Post Cantilever Post Details
- ☐ S31-3 Overhead Signs, Box Beam, Single Post Butterfly Frame Details
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- ☐ S33-4 Overhead Signs, Box Beam, Single Post Butterfly Post Details
- ☐ S34A-5 Overhead Signs, Box Beam, Sign Panel Mounting Details, Single Sheet Sign Panel

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- ☐ S40A-1 Overhead Signs, Box Beam, Closed Truss Alternative, Two Post Type Frame Members
- ☐ S40B-1 Overhead Signs, Box Beam, Closed Truss Alternative, Single and Two Post Type General Frame Details
- ☐ S40C-1 Overhead Signs, Box Beam, Closed Truss Alternative, Ribbed Sheet Metal Details
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- ☐ S40H-1 Overhead Signs, Box Beam, Closed Truss Alternative, Single Post Cantilever Frame Details
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- ☐ S40K-1 Overhead Signs, Box Beam, Closed Truss Alternative, Single Post Butterfly Frame Details
- ☐ S40L-3 Overhead Signs, Box Beam, Closed Truss Alternative, Single Post Butterfly Frame Juncture Details
- ☐ S40M-1 Overhead Signs, Box Beam, Closed Truss Alternative, Single Post Butterfly Post Details

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- ☐ S40P Overhead Signs, Tubular, Single Post Type Layout and Pipe Selection
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- ☐ S40R Overhead Signs, Tubular, Structural Frame Details No. 1
- ☐ S40S Overhead Signs, Tubular, Structural Frame Details No. 2
- ☐ S40T Overhead Signs, Tubular, Foundation Details

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- ✓■ S42-15 Roadside Signs, Wood Posts, Typical Installation Details No. 2
- ☐ S43-A Roadside Signs, Laminated Wood Box Posts, Typical Installation Details No. 3
- ☐ S43-B Roadside Signs, Steel Post, Typical Installation Details
- ☐ S44-7 Roadside Signs, Typical Installation Details No. 4

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- ✓■ ES-1A Traffic Signal and Highway Lighting Details, Symbols and Abbreviations
- ✓■ ES-1B Traffic Signal and Highway Lighting Details, Symbols and Abbreviations
- ☐ ES-2A Traffic Signal and Highway Lighting Details, Service Equipment
- ☐ ES-2B Traffic Signal and Highway Lighting Details, Service Equipment
- ☐ ES-2C Traffic Signal and Highway Lighting Details, Service Equipment
- ☐ ES-2D Traffic Signal and Highway Lighting Details, Service Equipment
- ✓■ ES-3A Traffic Signal and Highway Lighting Details, Signal Heads and Mountings
- ✓■ ES-3B Traffic Signal and Highway Lighting Details, Signal Heads and Mountings
- ✓■ ES-3C Traffic Signal and Highway Lighting Details, Signal Heads and Mountings
- ✓■ ES-3D Traffic Signal and Highway Lighting Details, Signal Heads and Mountings
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- ☐ ES-4C Traffic Signal and Highway Lighting Details, Controller Cabinet Details
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- ✓■ ES-5B Traffic Signal and Highway Lighting Details, Detectors
- ☐ ES-5C Traffic Signal and Highway Lighting Details, Detectors
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- ✓■ ES-5F Traffic Signal and Highway Lighting Details, Detectors

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- ✓■ ES-6A Traffic Signal and Lighting Standards, Type I Standards and Pushbutton Posts
- ✓■ ES-6B Lighting Standards, Types 15 and 21
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- ☐ ES-6F 10 Degree Lighting Standards
- ☐ ES-6H 10 Degree Lighting Standards Details
- ☐ ES-6J Traffic Signal and Lighting Standards Case 1 Arm Loading, Wind Velocity=70 MPH Arm Lengths 15' to 30'
- ✓■ ES-6K Traffic Signal and Lighting Standards Case 2 Arm Loading, Wind Velocity=70 MPH Arm Lengths 20' to 30'
- ☐ ES-6L Traffic Signal and Lighting Standards Case 3 Arm Loading, Wind Velocity=70 MPH Arm Lengths 20' to 45'
- ✓■ ES-6M Traffic Signal and Lighting Standards Case 4 Arm Loading, Wind Velocity=70 MPH Arm Lengths 25' to 45'
- ☐ ES-6N Traffic Signal and Lighting Standards Type 40-0-80
- ☐ ES-6O Traffic Signal and Lighting Standards Case 1 Arm Loading, Wind Velocity=80 MPH Arm Lengths 25' to 30'
- ☐ ES-6P Traffic Signal and Lighting Standards Case 2 Arm Loading, Wind Velocity=80 MPH Arm Lengths 20' to 30'
- ☐ ES-6Q Traffic Signal and Lighting Standards Case 3 Arm Loading, Wind Velocity=80 MPH Arm Lengths 20' to 45'
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- ✓■ ES-6S Traffic Signal and Lighting Standards Details No. 1
- ✓■ ES-6T Traffic Signal and Lighting Standards Details No. 2
- ☐ ES-6U Slip Base Insert for Type 10 & 15 Lighting Standards
- ☐ ES-6V Left Turn Signal and Sign Standard Type 33
- ☐ ES-7A Traffic Signal and Highway Lighting Details, Electrical Details Structure Installations
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- ☐ ES-7C Traffic Signal and Highway Lighting Details, Electrical Details Structure Installations
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- ☐ ES-9A Cantilever Flashing Beacon Details, Types 9, 9A, 9B
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- ✓■ ES-10 Traffic Signal and Highway Lighting Details, Isolux Diagrams
- ✓■ ES-11 Traffic Signal and Highway Lighting Details, Foundation Installations
- ✓■ ES-12 Pedestrian Undercrossing Fluorescent Lighting Fixture
- ✓■ ES-13 Traffic Signal and Highway Lighting Details, Wiring Details and Fuse Ratings
- ☐ ES-15 Pedestrian Overcrossing Fluorescent Lighting Fixture

EXTINGUISHABLE MESSAGE SIGN

- ☐ ES-27A Extinguishable Message Sign, 10" Letters
- ☐ ES-27B Extinguishable Message Sign, 10" Letters
- ☐ ES-28 Extinguishable Message Sign and Flashing Beacons

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- ☐ ES-29 Mercury Sign Lighting Equipment
- ✓■ ES-30 36" Fluorescent Sign Lighting Equipment
- ✓■ ES-31 72" Fluorescent Sign Lighting Equipment
- ✓■ ES-32 Sign Lighting Equipment
- ✓■ ES-33 Internally Illuminated Street Name Sign

AS BUILT
BY G. L. Mayer
NO CORRECTIONS THIS SHEET

STANDARD PLANS LIST

(July, 1984 Edition)

3

INDEXED

The Standard Plan sheets indicated by a marked box are applicable to this CONTRACT NO. 08-262604

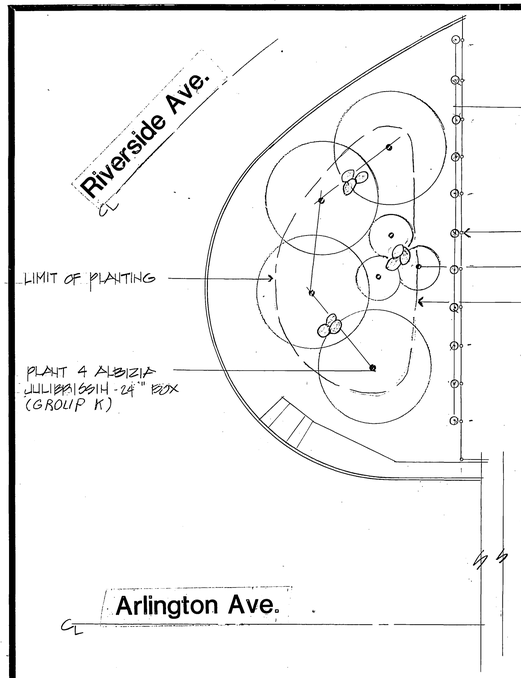
K-2462 Sh.

08-262604

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	0	Riv	10	14

DATE APPROVED May 13, 1985

PLANTING PLAN



PLANT 11 PHAEDRANTHUS BUCCINATORIUS - 5 GAL (GROUP B) ATTACH TO CHAIN LINK FENCE

EXISTING CHAIN LINK FENCE

PLANT 19 RELOCATED PALM TREES.

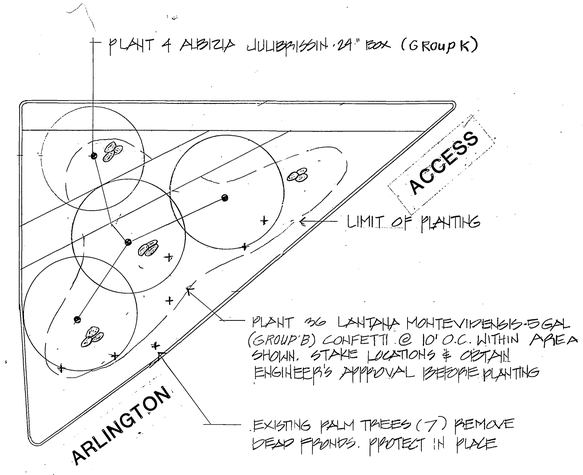
PLANT 280 LANTANA MONTEVIDENSIS (5 GAL) (GROUP B) CONFETTI @ 10' O.C. WITHIN AREA SHOWN. STAKE LOCATIONS & OBTAIN ENGINEER'S APPROVAL BEFORE PLANTING

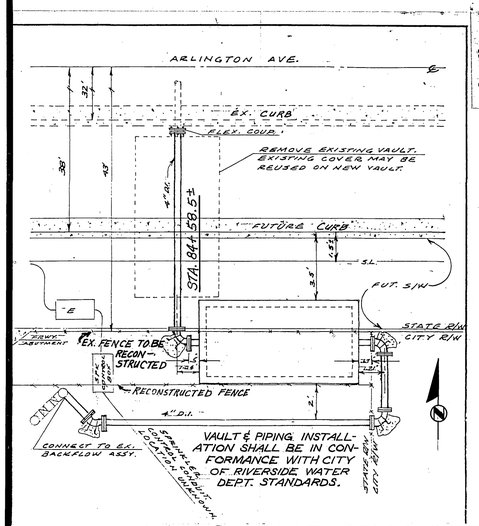
THE BACKFILL MIX SHALL CONSIST OF THE FOLLOWING:
60% SITE SOIL
40% SOIL AMENDMENT
2 LBS COMMERCIAL FERTILIZER
3 LBS. GYPSUM
2 LBS. IRON SULFATE

THE SOILS IN THE PROJECT AREAS HAVE HIGH SALT CONTENTS. LEACH THE SOIL BEFORE PLANTING BY OPERATING CONTROLLER 1 HOUR PER DAY (MAX. 15 MIN. @ A TIME) FOR 1 WEEK

LEGEND

BOULDER - PLANTING CLUSTER TO CONSIST OF THE FOLLOWING:
- 2 EA. 3' DIA. GRANITE BOULDERS
- 1 EA 2' DIA. GRANITE BOULDERS
- 3 EA 5 GAL MORAEA IRIDIOIDES (GROUP B)



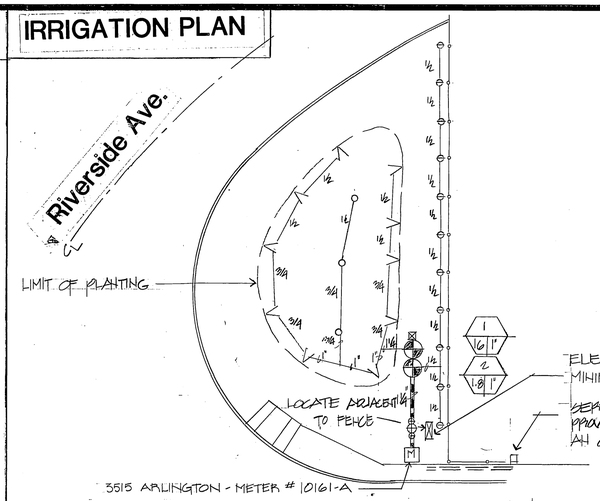


Indiana Ave.

⚠ WATER VAULT RELOC. DETAIL

NO SCALE

IRRIGATION PLAN



ELECTRIC AUTOMATIC CONTROLLER MINIMUM 4 STATION

SERVICE POINT IS FROM EXISTING PULL BOX. PROVIDE ALL CONDUIT, WIRE & EQUIP FOR AN OPERABLE CONTROLLER

Arlington Ave.

FOR TRAFFIC SIGNAL CONDUIT & LOOPS SEE SHEET E-2

PROVIDE GALVANIZED SLEEVE FOR WIRES CROSSING CANAL

PIPE CROSSING CANAL SHALL BE GALVANIZED STEEL - INSTALL IRRIGATION LINE @ EDGE OF CANAL COVER

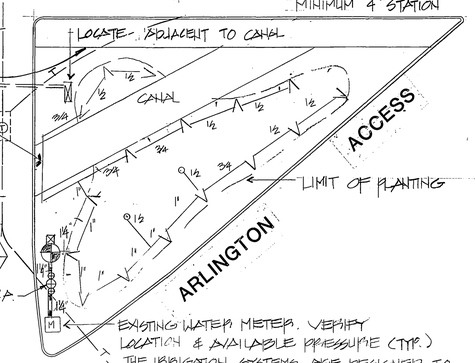
ELECTRIC AUTOMATIC CONTROLLER MINIMUM 4 STATION

SERVICE POINT IS PUBLIC UTILITIES POWER POLE. CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRE & EQUIP. AND CONNECTIONS FOR AN OPERABLE CONTROLLER. SAWCUT & PATCH STREET AS PER.

1" SCH 40 CONDUIT 18" BELOW F.G.

Indiana Ave.

30' W.



EXISTING WATER METER. VERIFY LOCATION & AVAILABLE PRESSURE (TYP.) THE IRRIGATION SYSTEMS ARE DESIGNED TO OPERATE ON A MIN. 50 PSI PRESSURE. IF P.S.I. AVAILABLE IS LESS THAN 50 P.S.I. CONTACT THE ENGINEER BEFORE PROCEEDING. METER # 31664-A @ 3498 ARLINGTON AVE

NOTES

1. THE CONTRACTOR SHALL PROTECT IN PLACE ALL ITEMS NOT DESIGNATED FOR REMOVAL. ALL DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE
2. LOCATE VALVES & QUICK COUPLING VALVES IN PLANTING AREAS. VALVES SHALL BE MIN. 3' APART.
3. THE IRRIGATION SYSTEM DESIGN IS DIAGRAMMATIC. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO PROVIDE 100% COVERAGE
4. THE CONTRACTOR SHALL USE THE ONE-CALL TELEPHONE NUMBER, 1-800-422-4133, OF UNDERGROUND SERVICE ALERT (USA) IN ORDER TO HAVE UNDERGROUND FACILITIES MARKED BY RESPECTIVE UTILITIES.
5. THIS PLAN ACCURATE FOR PLANTING & IRRIGATION WORK ONLY.

SYM	LEGEND
	BRASS PRESSURE VACUUM BREAKER 1 1/4"
	SOLID-STATE AUTOMATIC CONTROLLER 4 STA. MIN
	BRASS AUTOMATIC REMOTE CONTROL VALVE
	BRASS QUICK COUPLING VALVE W/ LOCKING VINYL COVER
V	(TYPE B) PLASTIC 12" HIGH POP SPRINKLER Q.H. FULL 15' RAD; 20 PSI; .8, 1.7, 3.4 GPM
	(TYPE C) PLASTIC PRESSURE COMPENSATING BUBBLER 0.25 GPM @ 20 PSI PRESSURE
M	EXISTING WATER METER - 3/4"
	SCH. 40 PVC MAINLINE
	PR 200 PVC LATERAL LINES

AS BUILT
BY D. C. Mayer
NO CORRECTIONS THIS SHEET

NORTH

INDEXED D.N.

P/I-1

MARK	REVISIONS	APPR.	DATE
⚠	REVISIONS PER C/R WATER DEPT.		1-14-85

DESIGNED BY ST DRAWN BY KH CHECKED BY

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

		DATE
APPROVED		
PRINCIPAL ENGINEER		11-13-84
PARK DEPARTMENT		12-24-84
TRAFFIC DIVISION		
CHIEF P. W. ENGINEER		1-3-85

APPROVED BY
PUBLIC WORKS DIRECTOR
REG. # 8,793
DATE 1/3/85

ARLINGTON AVE. WIDENING
PLANTING AND IRRIGATION PLAN

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

ACCOUNT NO. 30-575-396-07

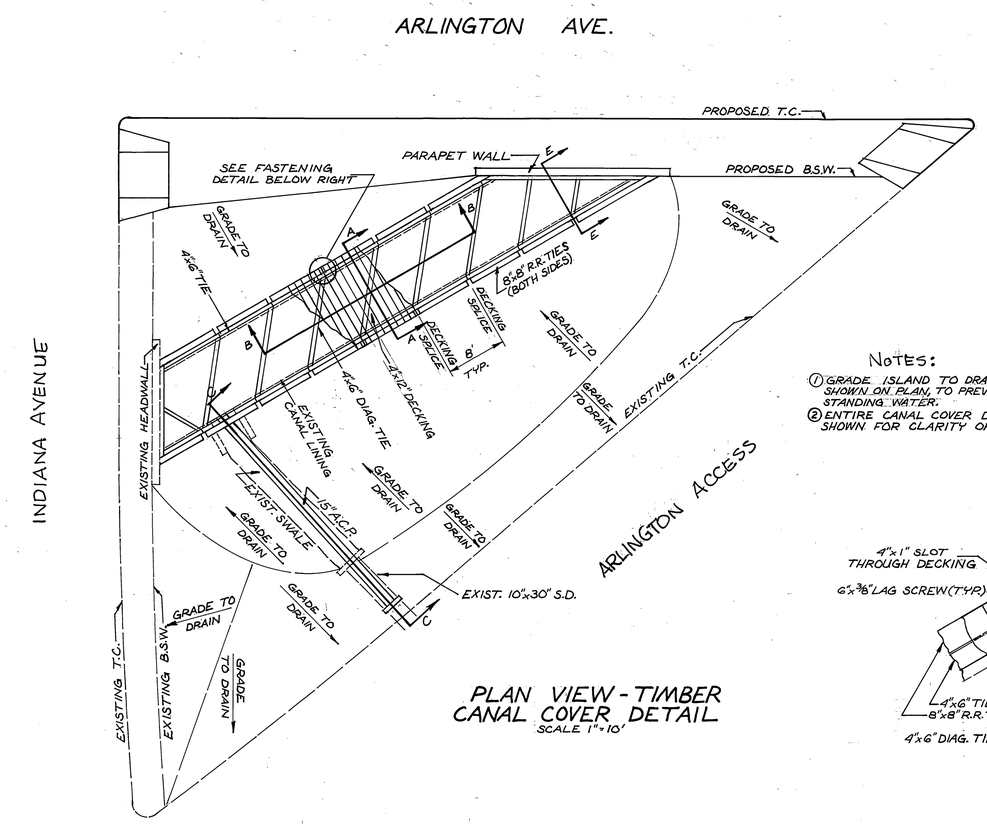
R-2462

SHEET 10 OF 14

10

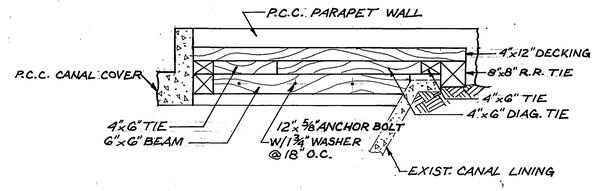
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	RIV	D	RIV	11	14

Date Approved: May 13, 1985

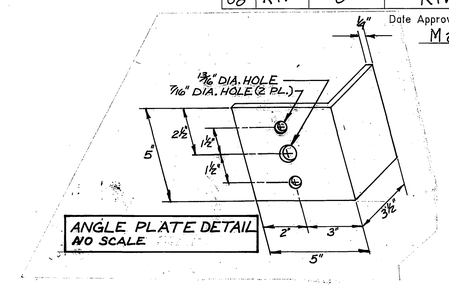


PLAN VIEW - TIMBER CANAL COVER DETAIL
SCALE 1"=10'

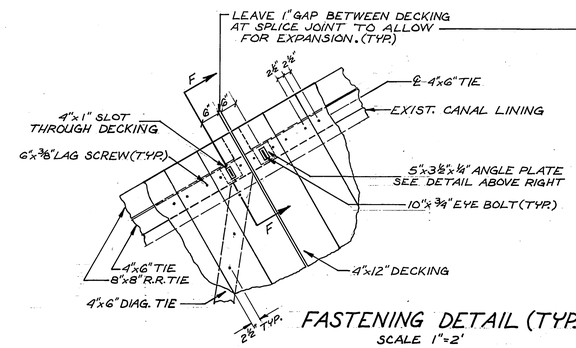
NOTES:
1. GRADE ISLAND TO DRAIN AS SHOWN ON PLAN, TO PREVENT STANDING WATER.
2. ENTIRE CANAL COVER DECKING NOT SHOWN FOR CLARITY OF CONSTRUCTION.



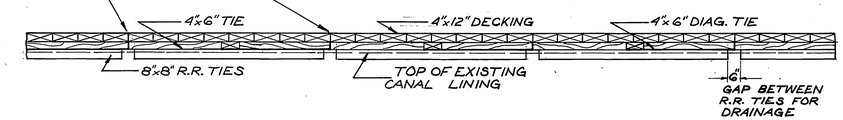
SECTION E-E
NO SCALE



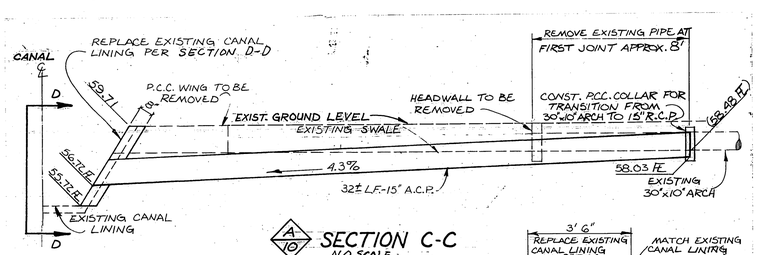
ANGLE PLATE DETAIL
NO SCALE



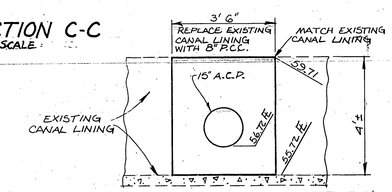
FASTENING DETAIL (TYP.)
SCALE 1"=2'



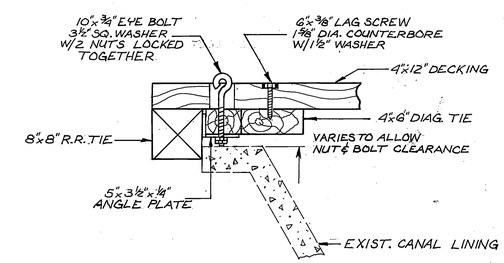
SECTION B-B
SCALE 1"=3'



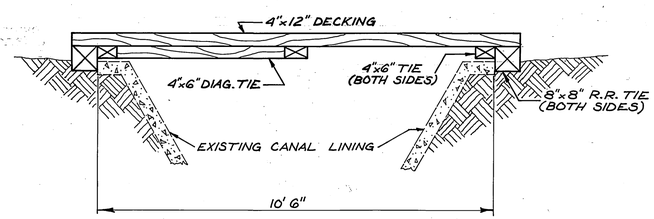
SECTION C-C
NO SCALE



SECTION D-D
NO SCALE



SECTION F-F
SCALE 1"=1'



SECTION A-A
SCALE 1"=2'

AS BUILT
BY G. D. Mayer
NO CORRECTIONS THIS SHEET

M-1
INDEXED D.N.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY SK DRAWN BY RVZ CHECKED BY RCM

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED	BY	DATE
PRINCIPAL ENGINEER		1/18/85
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P. W. ENGINEER		1-3-85

APPROVED BY Robert F. Clarke
PUBLIC WORKS DIRECTOR RCE # 15793
DATE 1/3/85

ARLINGTON AVE. WIDENING
TIMBER CANAL COVER & 15" A.C.P. DRAINAGE DETAILS

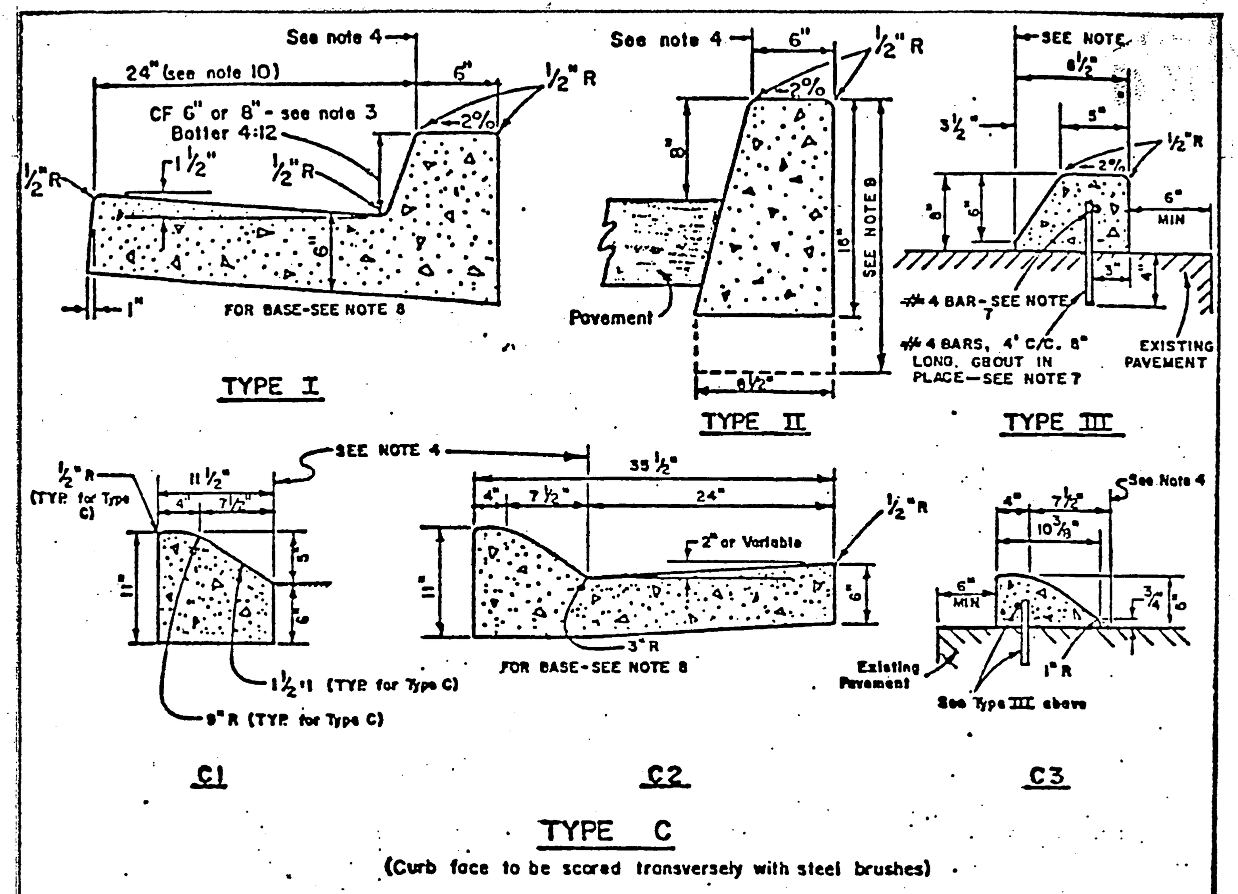
HORIZ. SCALE: AS SHOWN VERT. SCALE: AS SHOWN

ACCOUNT NO. 30-575-396-07
R-2462
SHEET 11 OF 14

11

DATE APPROVED May 13, 1985

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	0	Riv	12	14



TYPE C

(Curb face to be scored transversely with steel brushes)

NOTES:

1. Concrete shall be MINOR CONCRETE for formed curb or extruded curb.
2. Types II and III curb shall be used only where pavement slopes away from curb except as approved by City Engineer.
3. Types I, II, or III curb face shall be as specified on plans.
4. Curb location dimensions on plan shall be to this point.
5. Expansion joints (1/2" thick) shall be installed at all curb returns.
6. Weakened plane joints shall be constructed at 10' intervals throughout the length of the curb, at quarter points of curb returns, and at any point where the curb section is interrupted by a drainage outlet through the curb.
7. Epoxy approved by city may be used in lieu of bars.
8. When structural section thickness exceeds 14", the base shall be continued under curb and gutter.
9. Next to irrigated areas the curb ht. shall be the larger of 18" or the bottom of the base.
10. For streets on the Bicycle Master Plan, a gutter width of 5' with a 5% cross slope may be required.

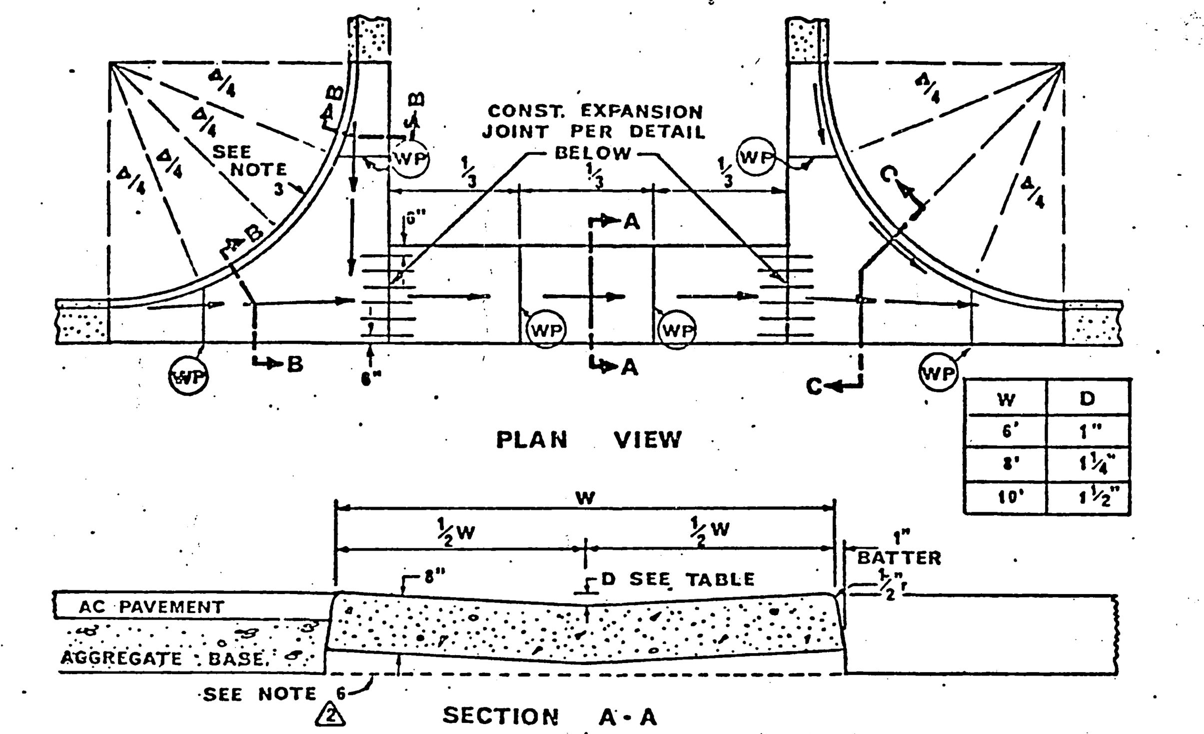
CONCRETE		QUANTITIES
TYPE	CF	C.Y. PER L.F.
I	6"	0.05825
I	8"	0.06211
II	8"	0.02972
III	8"	0.0147
C1	—	0.02752
C2	—	0.06457
C3	—	0.00965

BLD

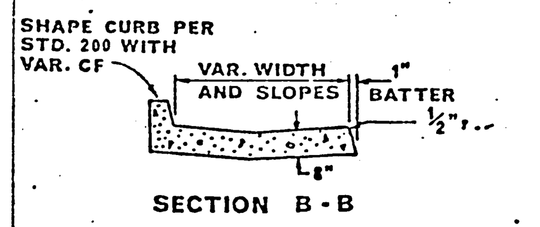
APPROVED [signature] DATE 12/17/82
PUBLIC WORKS DIRECTOR - R.C.E. 18793

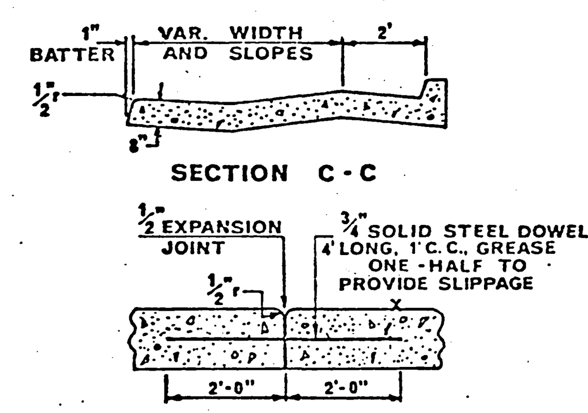
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV.
CURB
SUPPLEMENTAL DRAWING NO. 200



W	D
6'	1"
8'	1¼"
10'	1½"





EXPANSION JOINT DETAIL

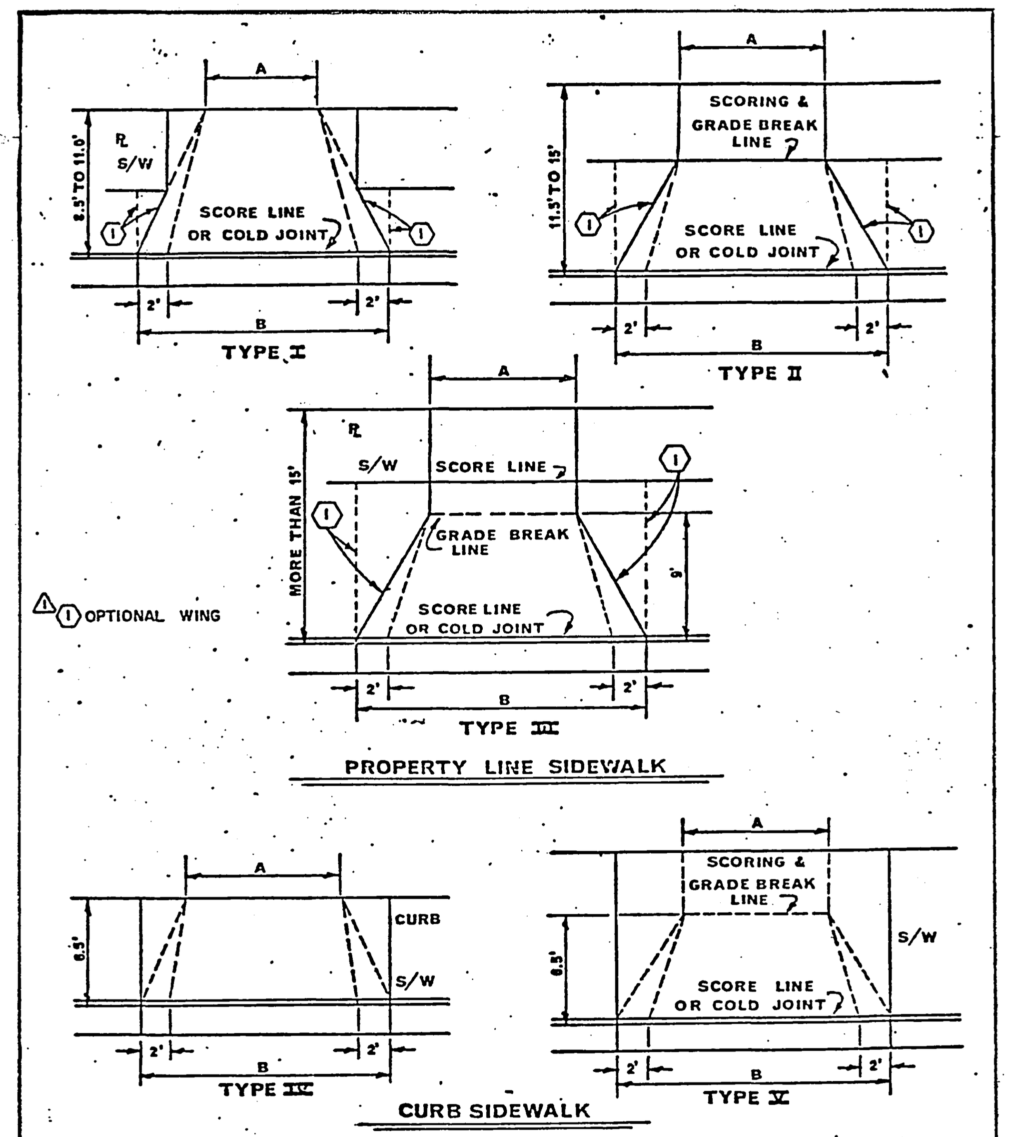
NOTES:

1. Concrete shall be MINOR CONCRETE.
2. W shall be 6' unless otherwise specified.
3. Reduce CF to insure drainage away from FL on upstream curb return
4. Install ½" expansion joints at curb returns.
5. Construct weakened plane joints at locations indicated by (WP).
6. When structural section exceeds 14", the base shall be continued under cross gutter

APPROVED [signature] DATE 1-22-73
PUBLIC WORKS DIRECTOR - R.C.E 8134

MARK	REVISIONS	APPR.	DATE
1	revised concrete class		7-13-78
2	added note		11-9-82

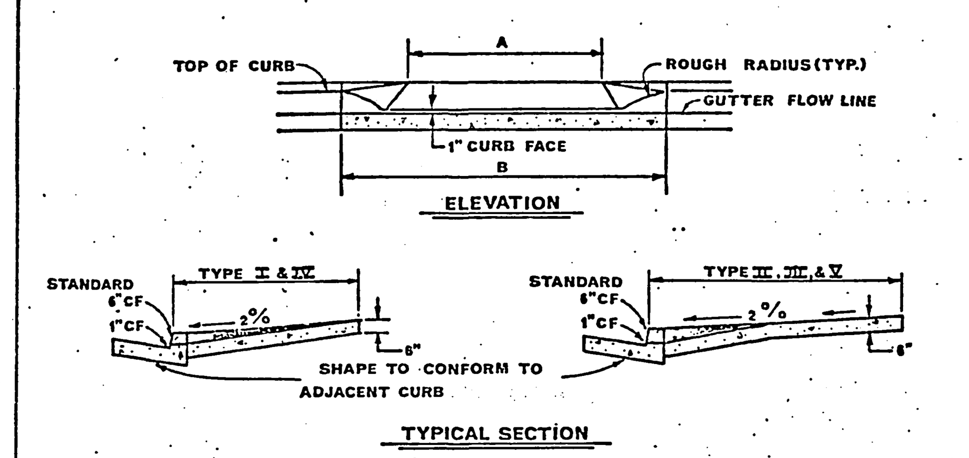
CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV.
CROSS GUTTERS
SUPPLEMENTAL DRAWING NO. 220



APPROVED [signature] DATE 1-22-73
PUBLIC WORKS DIRECTOR - R.C.E. 8134

MARK	REVISIONS	APPR.	DATE
1	added Optional Wing		11-9-82

CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV.
DRIVEWAY APPROACHES
SUPPLEMENTAL DRAWING NO. 302



STANDARD WIDTHS			
ZONE	USE	A	B
RESIDENTIAL SINGLE OR DUPLEX	SINGLE GARAGE OR ONE-WAY	10'*	A+7'
	DOUBLE GARAGE	20'**	A+7'
	TRIPLE GARAGE	28'	A+7'
COMMERCIAL OR APARTMENT***	ONE-WAY	15'*	A+14'
	TWO-WAY	24'	A+14'
COMMERCIAL***	JOINT	36'	A+14'

***PARKWAY > 20', USE B = A+20' *MINIMUM **MAXIMUM

NOTES FOR DRIVEWAY APPROACHES

CONSTRUCTION NOTES

1. CONCRETE SHALL BE MINOR CONCRETE.
2. HALF-INCH THICK EXPANSION JOINTS SHALL BE INSTALLED BETWEEN DRIVEWAY APPROACHES AND ADJACENT SIDEWALK, AND CONCRETE DRIVEWAYS.
3. DEVIATIONS FROM STANDARD MAY BE ALLOWED BY THE ENGINEER IF PROFESSIONAL ENGINEER OR CONTRACTOR ASCERTAIN THAT THE STANDARD SLOPE WOULD CAUSE A CAR TO DRAG.
4. A WEAKENED PLANE JOINT SHALL BE CONSTRUCTED THROUGH THE CENTER OF THE DRIVEWAY APPROACH WHEN "A" EXCEEDS 15'.

APPROVED [signature] DATE 1-23-73
PUBLIC WORKS DIRECTOR - R.C.E. 8134

MARK	REVISIONS	APPR.	DATE
1	revised concrete class		7-13-78

CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV.
DRIVEWAY APPROACHES
SUPPLEMENTAL DRAWING NO. 302

NOTES FOR DRIVEWAY APPROACHES

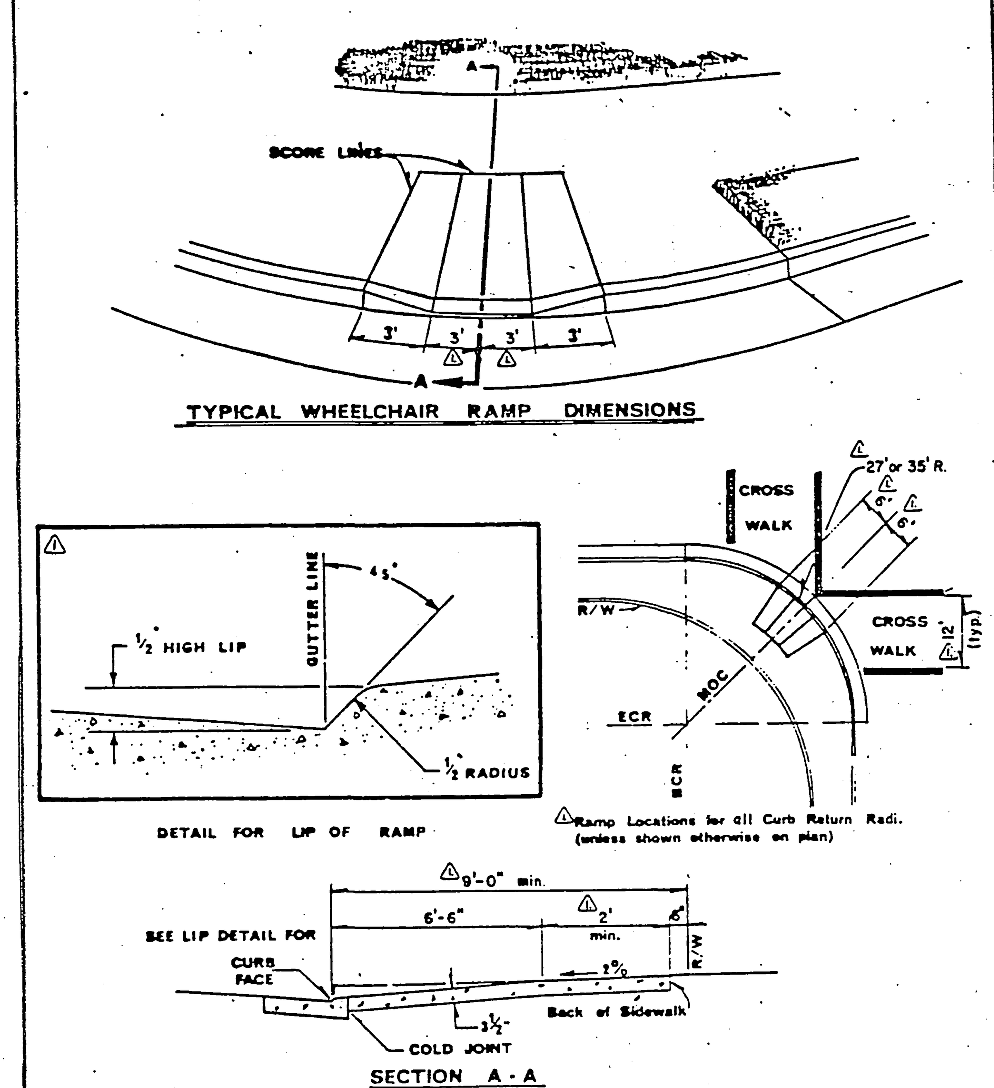
GENERAL NOTES

1. A PERMIT SHALL BE OBTAINED FOR ALL DRIVEWAY APPROACHES.
2. DRIVEWAY APPROACHES REQUIRING RELOCATION OR REMOVAL OF TREES, POLES, UTILITIES OR OTHER APPURTENANCES SHALL BE APPROVED BY THE APPROPRIATE UTILITY COMPANIES AND/OR CITY DEPARTMENTS PRIOR TO ISSUANCE OF THE PERMIT. ALL SUCH WORK SHALL BE DONE AT THE EXPENSE OF THE DEVELOPER.
3. NO PORTION OF A DRIVEWAY APPROACH SHALL BE LOCATED WITHIN A CURB RETURN.
4. PROPOSED AND EXISTING DRIVEWAY APPROACHES AND CURB OPENINGS WITH DIMENSIONS (INCLUDING THOSE TO BE ABANDONED OR CLOSED) AND ALL REQUIRED WORK UNDER PARAGRAPH 2 ABOVE (GENERAL NOTES) SHALL BE SHOWN ON A PLAN (THE PLOT PLAN SHEET OF BUILDING PLANS MAY BE USED) SCALE 1"=20' AND SUBMITTED FOR REVIEW AND APPROVAL OF THE TRAFFIC ENGINEER.
5. ANY UNUSED DRIVEWAY OPENINGS SERVING THE PROPERTY ON WHICH A NEW DRIVEWAY APPROACH IS BEING BUILT SHALL BE CLOSED WITH FULL HEIGHT CURB; SEE STD. DWG. 303 FOR REMOVAL OF CURB ONLY.
6. ALL DRIVEWAY APPROACHES ON CITY MASTER PLAN OR SELECT SYSTEM STREETS AND ALL COMMERCIAL-APARTMENT APPROACHES SHALL BE REVIEWED FOR APPROVAL BY THE CITY TRAFFIC ENGINEER AND MEET THE FOLLOWING REQUIREMENTS:
   - A. THE CURB WIDTH OF DRIVEWAY APPROACHES SHALL NOT BE GREATER THAN 40% OF THE FRONTAGE LENGTH OF THE PARCEL IT SERVES.
   - B. DRIVEWAY APPROACHES SHALL BE LOCATED FIVE FEET FROM ADJACENT PARCEL.
   - C. DRIVEWAY APPROACHES FOR A SINGLE PARCEL SHALL HAVE AT LEAST 25 FEET OF FULL HEIGHT CURB BETWEEN THEIR NEAREST EDGES.
   - D. A COMPLETE PLOT PLAN MUST BE SUBMITTED FOR APPROVAL.
   - E. RECORDED EASEMENT REQUIRED FOR JOINT DRIVEWAY APPROACH.

APPROVED [signature] DATE 1-23-73
PUBLIC WORKS DIRECTOR - R.C.E. 8134

MARK	REVISIONS	APPR.	DATE
1	Revised Note 5		7-13-78

CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV.
DRIVEWAY APPROACHES
SUPPLEMENTAL DRAWING NO. 302



APPROVED [signature] DATE 8-29-73
PUBLIC WORKS DIRECTOR R.C.E.

MARK	REVISIONS	APPR	DATE
1	Detail for Lip of Curb and Changed to single Wheel Chair Ramp, increased width		7/7/78

CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV
WHEELCHAIR RAMPS
SUPPLEMENTAL DRAWING NO 304

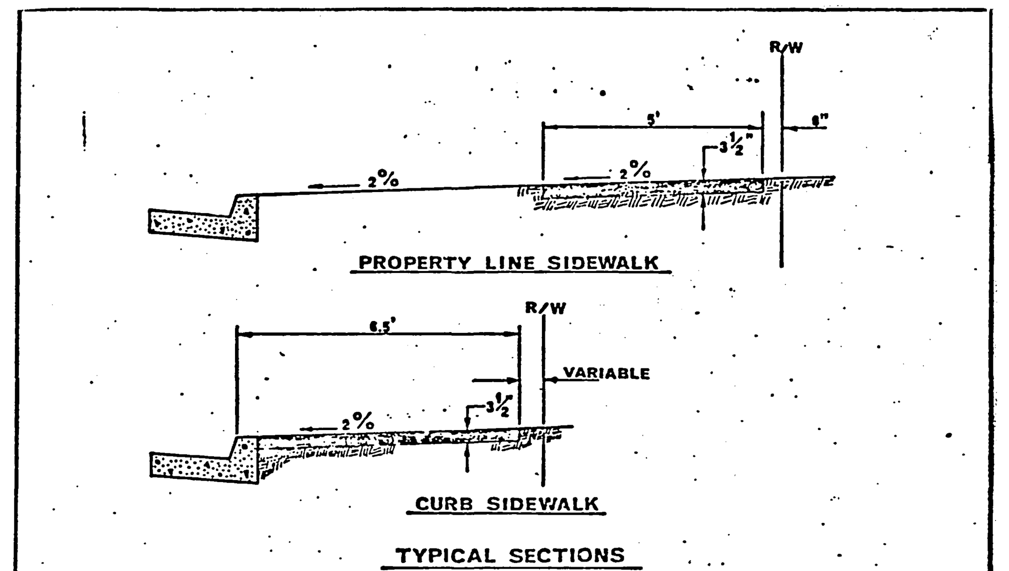
NOTES:

1. Concrete shall be MINOR CONCRETE.
2. The wheelchair ramp shall be poured monolithic with adjacent sidewalk.
3. The wheelchair ramp shall be broom finished, broom stroke shall be parallel or concentric with curb face.
4. Wheelchair ramps shall be required in each quadrant or corner of an intersection and at midblock locations on streets opposite "T" intersections, except under any of the following conditions:
   - (a) If the grade on each intersecting street exceeds 10%.
   - (b) If sidewalks are not required. However, if sidewalks are proposed to be constructed at some future time then the curb depression as shown shall be constructed, with 2" thick by 4' wide AC behind the curb.
   - (c) Where the gutter can be raised to top of curb (no drainage in the return area because of catch basins or high point in grade) the wheelchair ramp may be reduced in length or eliminated by raising the gutter grade and decreasing the curb face up to 5/8 inches.
5. Wheelchair ramps shall be located as shown on Sheet 1 except under the following conditions:
   - (a) When the location conflicts with existing storm drain, traffic signal or utility structures or poles, the wheelchair ramp shall be relocated to an appropriate position within or adjacent to the curb return area.
   - (b) When the wheelchair ramp is to be constructed in a return that is on the downstream end of a cross gutter and the wheelchair ramp would cause a drainage problem, the wheelchair ramp shall be relocated to an appropriate area downstream of the M.O.C.
   - (c) On the existing returns with right-of-way limitations, the wheelchair ramp shall be located in an appropriate position within or adjacent to the curb return area where the right-of-way width is sufficient.
6. Wheelchair ramps in mid-block (at "T" intersections) shall be reduced to 4 foot bottom width. Ramps shall be placed in line with ramps on the opposite side of the street where possible. If no opening is provided in the median (on divided streets), the ramps shall be omitted in the mid-block location.

APPROVED [signature] DATE 7/7/78
PUBLIC WORKS DIRECTOR - R.C.E. 18793

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV.
WHEELCHAIR RAMPS
SUPPLEMENTAL DRAWING NO. 304



NOTES

1. CONCRETE SHALL BE MINOR CONCRETE.
2. HALF INCH THICK TRANSVERSE EXPANSION JOINTS SHALL BE INSTALLED AT ALL CURB RETURNS. QUARTER INCH THICK EXPANSION JOINTS SHALL BE INSTALLED BETWEEN THE SIDEWALK AND THE BACK OF CURB AT CURB RETURNS AND AROUND DRAINAGE STRUCTURES, POLES, AND PIPES WHICH ARE IN THE SIDEWALK. CURB SIDEWALKS THE EXPANSION JOINTS SHALL BE AT THE SAME LOCATION AS THOSE IN THE CURB.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10 FOOT MAXIMUM INTERVALS THROUGHOUT THE LENGTH OF THE SIDEWALK AND AT LOCATIONS WHERE THE SIDEWALK SECTION IS INTERRUPTED BY TREEWELLS, UTILITY VAULTS, BLOCKOUTS FOR STREET LIGHTS AND SIMILAR OBJECTS.
4. CURB SIDEWALK SHALL BE 6.5' WIDE UNLESS OTHERWISE SHOWN ON THE PLAN.
5. WHEN A STREET LIGHT STANDARD IS TO BE PLACED IN THE SIDEWALK, BLOCK OUT A THREE-FOOT SQUARE AROUND THE STANDARD AND BRING THE STREET LIGHT FOUNDATION TO GRADE AFTER THE STANDARD IS PLUMB.

APPROVED [signature] DATE 1-23-73
PUBLIC WORKS DIRECTOR - R.C.E. 8134

MARK	REVISIONS	APPR.	DATE
1	revised note 1		6-7-77
2	revised note 1		5/31/78

CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV.
SIDEWALK
SUPPLEMENTAL DRAWING NO. 325

AS BUILT
BY [signature] Mayer
NO CORRECTIONS THIS SHEET
INDEXED D.N.
SD-1

MARK	REVISIONS	APPR.	DATE

DESIGNED BY ____ DRAWN BY ____ CHECKED BY ____

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P. W. ENGINEER		

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE April 19 1985

ARLINGTON AVE. WIDENING
SUPPLEMENTAL DRAWINGS AND DETAILS

HORIZ. SCALE: 1" = NONE VERT. SCALE: 1" = NONE

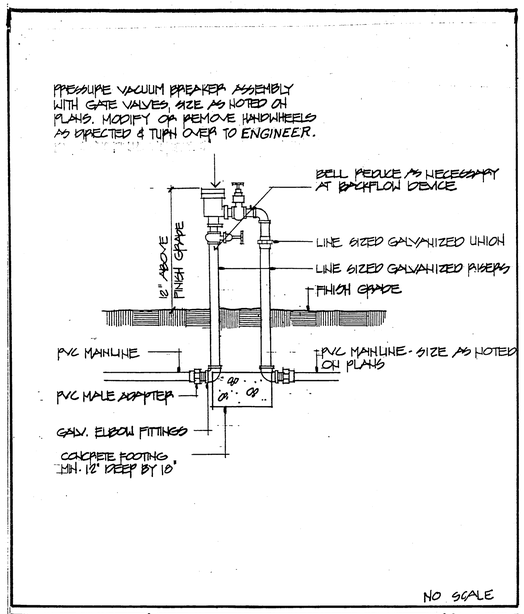
ACCOUNT NO. 30-515-396-07
R-2462
SHEET 12 OF 14

12

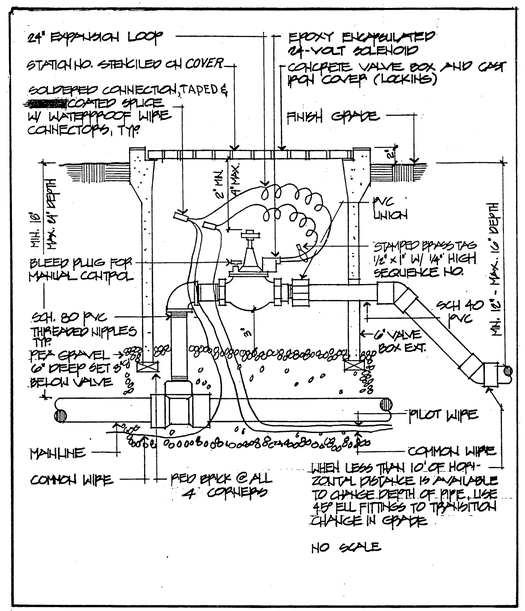
08207-262601

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	0	Riv	13	14

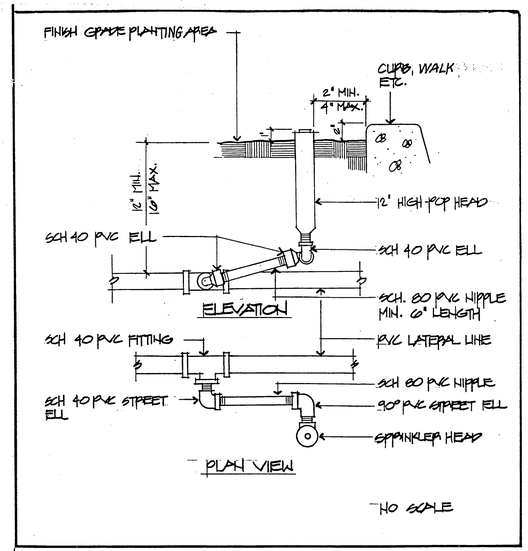
DATED APPROVED May 13, 1985



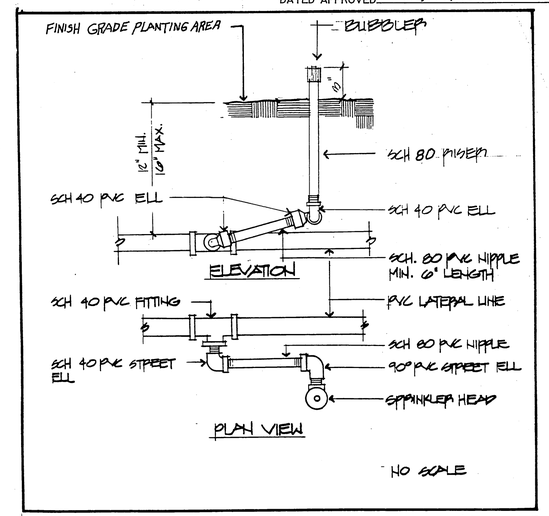
Approved	Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
K. Henry	3-26-85	BACKFLOW DEVICE	401
Revised	Date		



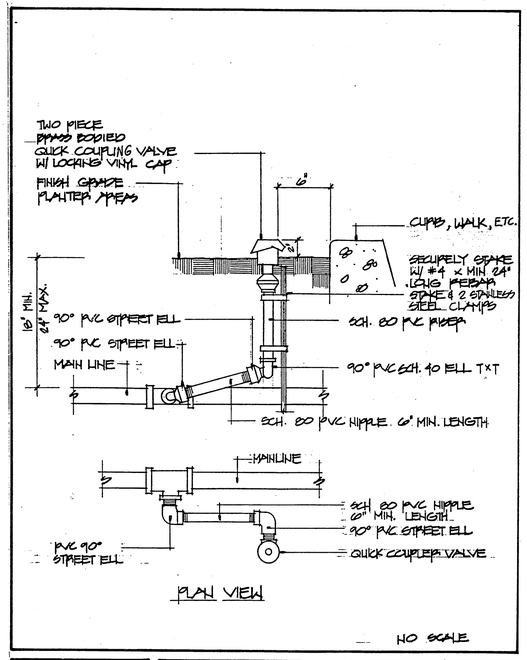
Approved	Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
K. Henry	3-26-85	AUTOMATIC VALVE	403
Revised	Date		



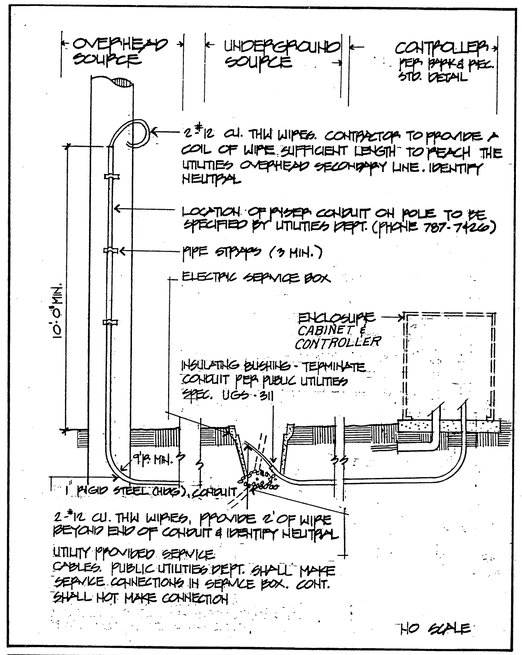
Approved	Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
K. Henry	3-26-85	SPRAY HEAD (TYPE B)	404 A
Revised	Date		



Approved	Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
K. Henry	3-26-85	RUBBLER (TYPE C)	404 B
Revised	Date		

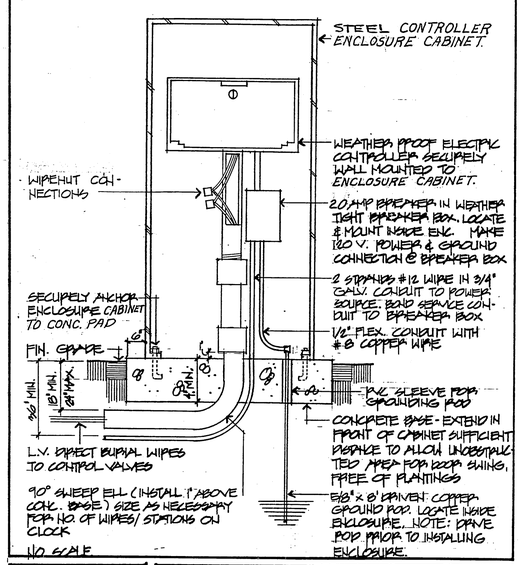


Approved	Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
K. Henry	3-26-85	QUICK COUPLING VALVE	405
Revised	Date		

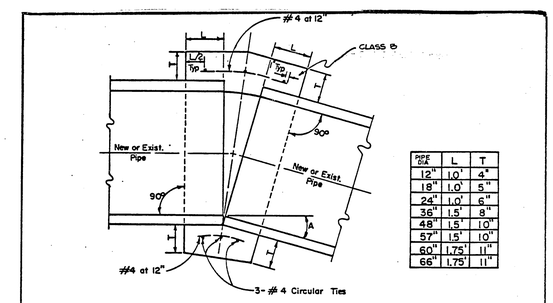


Approved	Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
K. Henry	3-26-85	UTILITY SERVICE	406
Revised	Date		

NOTE: SEE PLAN SPRINKLER CONTROLLER SERVICE DETAIL FOR ADDITIONAL ELECTRICAL WORK



Approved	Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
K. Henry	3-26-85	CONTROLLER	407
Revised	Date		



PIPE DIA.	L	T
12"	1.0'	4"
18"	1.0'	5"
24"	1.0'	6"
36"	1.5'	8"
48"	1.5'	10"
57"	1.5'	10"
60"	1.75'	11"
66"	1.75'	11"

NOTES:

1. A concrete collar is required where the change in grade exceeds 0.10 ft. per foot.
2. For pipe size not listed use next size larger.
3. Omit reinforcing on pipes 24" and less in diameter and on all pipes where angle A is less than 10°.
4. Where reinforcing is required the diameter of the circular ties shall be the pipe diameter + (2 x wall thickness) + 8".
5. Pipe may be concrete pipe, reinforced concrete pipe, or asbestos cement pipe.

AS BUILT
BY J. A. Mayer
NO CORRECTIONS THIS SHEET

MARK	REVISIONS	APPR.	DATE

APPROVED [signature] DATE 11/9/87
PUBLIC WORKS DIRECTOR - R.C.E. 18793

CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV.
CONCRETE COLLAR
(PIPES 12"-66")
[redacted] DRAWING NO. 424 SD-2

DESIGNED BY ____ DRAWN BY ____ CHECKED BY ____

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P. W. ENGINEER		

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE April 19, 1985

ARLINGTON AVE. WIDENING
SUPPLEMENTAL DRAWINGS AND DETAILS

ACCOUNT NO. 30-515-396-01
R-2462
SHEET 13 OF 14

HORIZ. SCALE: 1" = NONE VERT. SCALE: 1" = NONE

INDEXED D.N.

08207-262601

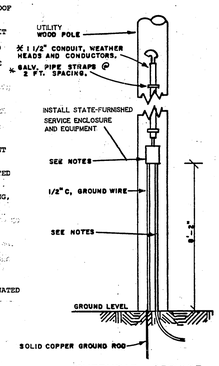
13

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	0	Riv	14	14

DATE APPROVED May 13, 1985

NOTES:

1. ALL JOINTS IN CONDUIT, BOXES, ETC., TO BE THREADED WEATHERPROOF CONNECTIONS.
2. ON CITY LIGHT DEPT. POLES, CONTRACTOR SHALL STUB 11/2" CONDUIT UP POLES 8'-2" ABOVE GROUND LEVEL AND LEAVE AT LEAST 3FT. OF SLACK IN ALL CONDUCTORS. CONTRACTOR SHALL INSTALL STATE-FURNISHED ENCLOSURE, GROUND ROD, GROUND CONDUIT, WEATHERHEAD, RISER CONDUIT, CONDUCTORS, ETC., UNLESS OTHERWISE NOTED ON PLANS.
3. EXACT POSITION OF 11/2" CONDUIT STUB TO BE LOCATED ON QUADRANT OF POLE AS DIRECTED BY THE CITY LIGHT DEPT.
4. COMBINED SERVICE FOR SIGNALS AND LIGHTING SHALL BE AS INDICATED FOR SINGLE SERVICE AS DESCRIBED IN NOTE 2, EXCEPT CONTRACTOR SHALL INSTALL 4 No. 8 ONE BLACK AND ONE WHITE FOR 120V. MULTIPLE LIGHTING, TWO BLACK FOR 240V. MULTIPLE LIGHTING, ONE RED AND ONE WHITE FOR 120V. SIGNAL SERVICE.
5. THE CONTRACTOR SHALL INSTALL 2 No. 12 WHEN INTERNALLY ILLUMINATED SIGNS ARE TO BE INSTALLED.



OVERHEAD SERVICE

* TO BE INSTALLED BY THE UTILITY COMPANY

FOR UNDERGROUND SERVICE DETAILS— △1 SEE DRAWING NO. 667

APPROVED [signature] TRAFFIC ENGINEER
DATE 10-26-66

NO SCALE

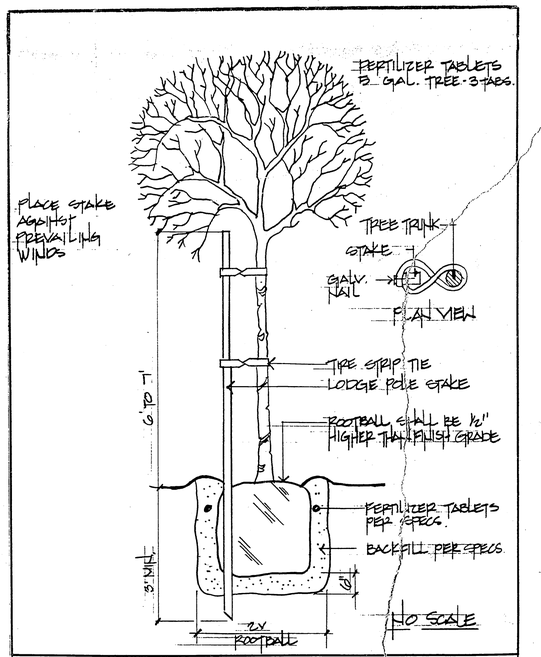
REVISIONS			
DATE	MARK	BY	APPROVED
3-2-70		E.J.	
6-18-70	△1	E.J.	
		RKE	8-25-85

ELECTRICAL SERVICE DETAILS
SIGNALS & LIGHTING

CITY OF RIVERSIDE, CALIFORNIA

TRAFFIC & PARKING DIV., DEPT. OF PUBLIC WORKS

STANDARD DRAWING NO. 612



Approved	Date	Park & Recreation Department CITY OF RIVERSIDE	Detail No.
Revised	Date	TREE PLANTING	502

SIGN STANDARD

TRAFFIC CONTROL SIGNS FOR CONSTRUCTION PROJECTS

All traffic control signs shall conform to the current State of California UNIFORM SIGN CHART. (The minimum-sized sign is allowed.)

Sign Blank: Blank material shall be made of either aluminum, steel or high density plywood.

△1 Sign Color: All sign colors shall be reflectorized, conforming to the following requirements:

△1 Yellow & Orange Signs: Reflective sheeting material shall be used for background color. Legend color shall be black and affixed to sheeting material either through the process of silk screening or non-reflective cut-out letters, symbols and borders.

Silver Signs: Reflective silver (white) sheeting material shall be used for background color. Legend color shall be black and affixed to background as described above for yellow signs.

Red Signs: Reflective red sheeting material shall be used for background color if reflectorized silver (white) cut-out letter and borders are utilized. Silver (white) reflective sheeting shall be used for silk screening in which the process will be reversed to produce a red background with silver (white) legend.

Black Signs: Non-reflective black background color. Legend color shall be reflective silver (white) and affixed to background either through the process of silk screening or reflective cut-out letters, numbers, symbols and borders. Non-reflective borders may be used only if sign is larger than 4' x 5' or (20 sq. ft.).

Green Signs: Non-reflective green background. Legend color shall be reflective silver (white) and affixed to background as described above for black signs.

Legend: Letters, numbers, symbols, borders, size and stroke shall conform to the State of California, Dept. of Transportation standard sign lay-out specifications.

THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER PRIOR TO VARIANCES FROM THE ABOVE STANDARDS.

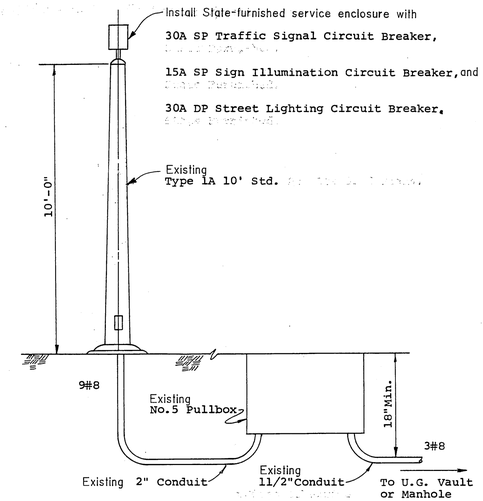
△1 Revised 5/4/70 [illegible]
△2 [illegible] 5-7-71

Approved [signature] City Traffic Engineer
Date 5/18/70

CONSTRUCTION SIGNS

PARKING & TRAFFIC DIV., CITY OF RIV, CALIF

SUPPLEMENTAL DRWG. NO. 658



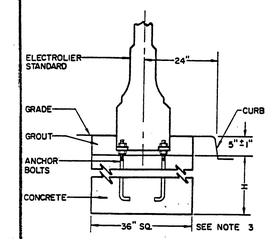
Approved by [signature] City Traffic Engineer
Date 5/3/70 Rev. 10/10/74

ELECTRICAL SERVICE DETAILS
SIGNAL, LIGHTING & SIGNS

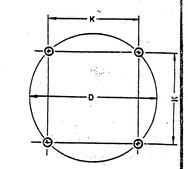
PARKING & TRAFFIC DIV, CITY OF RIV, CALIF

STANDARD DRWG. NO. 667

CONCRETE ELECTROLIER STANDARD DETAILS



TYPICAL BASE DETAIL



TYPICAL BOLT CIRCLE

Item No.	Manufact.	Cat. No.	Dimension H	Anchor Bolt	D	K	Luminaire Mounting Height
S1	PUMCO	45D4	48"	1"x36"x4"	17"	12"	26'3"
	AMERON	4-CI-23-F4	48"	1"x36"x4"	17"	12"	26'3"
S2	PUMCO	45D8	48"	1"x36"x4"	17"	12"	27'8"
	AMERON	4-CI-23-F8	48"	1"x36"x4"	17"	12"	27'9"
S3	PUMCO	46D8	48"	1"x36"x4"	17"	12"	30'2"
	AMERON	4-CI-25-F8	48"	1"x36"x4"	17"	12"	30'3"
S4	PUMCO	68J10	48"	1"x36"x4"	21"	14⅝"	30'10"
	AMERON	6-CI-28-CB10	48"	1"x36"x4"	21"	14⅞"	30'10"
S5	PUMCO	TC7010	60"	1¼"x44"x4"	17"	12"	33'6"
S7	PUMCO	12J4-T	30"	¾"x18"x3"	14½"	10¼"	14'3"
	AMERON	7-C2-15	30"	¾"x18"x3"	14½"	10¼"	14'3"

Notes:
1. See Specifications for conduit entrances, bonding and foundation requirements.
2. Set anchor bolts level with top of curb.
3. Foundation for item S7 is 24" square.

[signature] 3/2/72
Revision Approved

[signature] 5/5/71
Chief Utilities Engineer

UGS-801

AS BUILT
BY [signature]
NO CORRECTIONS THIS SHEET

SD-3
INDEXED D.N.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY ____ DRAWN BY ____ CHECKED BY ____

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P. W. ENGINEER		

APPROVED BY [signature] PUBLIC WORKS DIRECTOR
DATE April 19, 1985

ARLINGTON AVE. WIDENING
SUPPLEMENTAL DRAWINGS AND DETAILS

ACCOUNT NO. 30-515-396-07

R-2462

SHEET 14 OF 14

HORIZ. SCALE: 1" = NONE VERT. SCALE: 1" = NONE

08207-262601

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