

# RIVERSIDE CITY OF RIVERSIDE CALIFORNIA

## PUBLIC WORKS DEPARTMENT ARLINGTON AVENUE STORM DRAIN PHOENIX AVE. TO HILLSIDE AVE. FEDERAL AID PROJECT RENSTPL - 5058 (047)

### SPECIFIC CONSTRUCTION NOTES

- 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 OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- 1 REMOVE INTERFERING PORTIONS OF EXISTING 14" CONCRETE PIPE AND PLUG ENDS PER THE STANDARD SPECIFICATION.
- 3 REMOVE EXISTING CATCH BASIN AND INTERFERING PORTIONS OF EXISTING 14" CONCRETE PIPE AND PLUG PER THE STANDARD SPECIFICATION.
- 3 MAINTAIN MINIMUM 6" CLEARANCE BETWEEN EXISTING CATCH BASIN AND PROPOSED 36" HDPE.
- 4 REMOVE EXISTING TREE/BUSH.
- C CONSTRUCT STRUCTURAL SECTION OF 0.85' DENSE GRADED ASPHALT CONCRETE OVER COMPACTED NATIVE SOIL.
- E INTERFERING PORTIONS OF EXISTING UNDER GROUND ELECTRICAL FACILITIES SHALL BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, ELECTRIC DIVISION DURING CONSTRUCTION.
- 36" HDPE 36" DIAMETER HIGH DENSITY POLYETHYLENE PIPE.
- JS JUNCTION STRUCTURE NO. 6 PER RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT STANDARD DRAWING NUMBER JS 231.
- PIP PROTECT IN PLACE
- TDL TRAFFIC DETECTOR LOOP INSTALLATIONS. NUMBER OF DETECTOR LOOPS.
- W INTERFERING PORTIONS OF EXISTING WATER MAINS AND SERVICES SHALL BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, WATER DIVISION DURING CONSTRUCTION.

### 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 INDICATES THAT THE COVER IS UNKNOWN.
- 2 ALL FLAGGED ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD.
- 3 IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A.C. PAVING.
- 4 CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DWGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION.
- 5 ALL WHEELCHAIR RAMPS TO BE SLOPED FROM 6.67% MINIMUM TO 8.33% MAXIMUM WITH ADJOINING LANDING, AREAS SLOPED AT 2%.
- 6 WHERE NEW PAVEMENT IS TO JOIN THE EXISTING PAVEMENT, THE EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED IN A SMOOTH AND STRAIGHT LINE. CONSTRUCTION MATCH-UP PAVING AS SHOWN ON THE PLANS AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
- 7 PRIOR TO THE ISSUANCE OF THE GRADE SHEET FOR EACH 18" RCP LATERAL CONTRACTOR SHALL EXPOSE ALL UTILITIES WHICH CROSS THAT LATERAL AND LOCATION AND ELEVATION SHALL BE VERIFIED BY CITY SURVEYORS.

### EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

#### EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER	8" S	TELEPHONE CONDUIT	T
WATER LINE	6" W	ELECTRICAL CONDUIT	E
STORM DRAIN	24" SD	ELECTROLIGHT CONDUIT	ELC
GAS LINE	3" G	TRAFFIC SIGNAL	SIG
ABANDONED UTILITY	6" (ABAND.)	FIRE ALARM	F

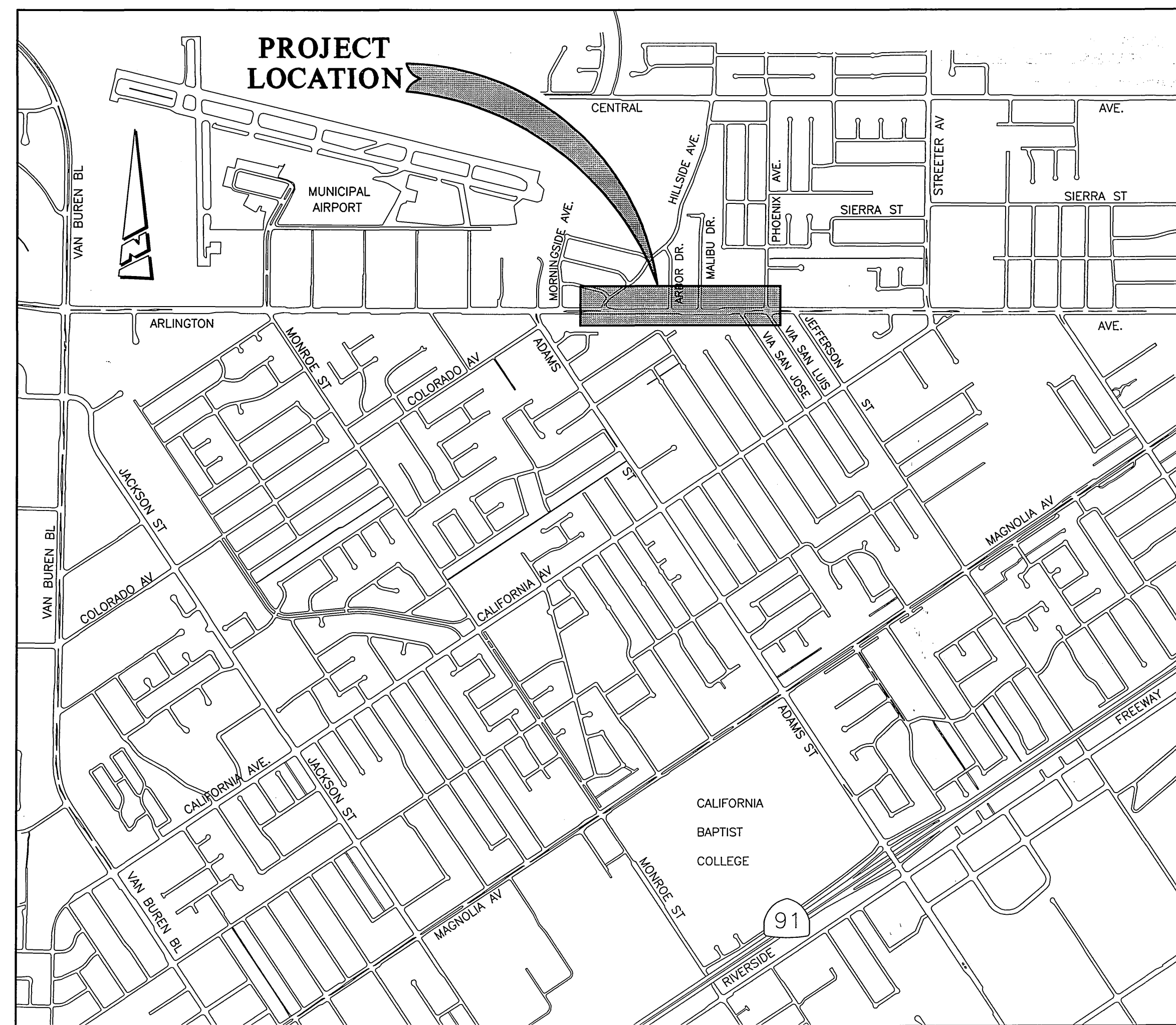
#### EXISTING TOPOGRAPHY:

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

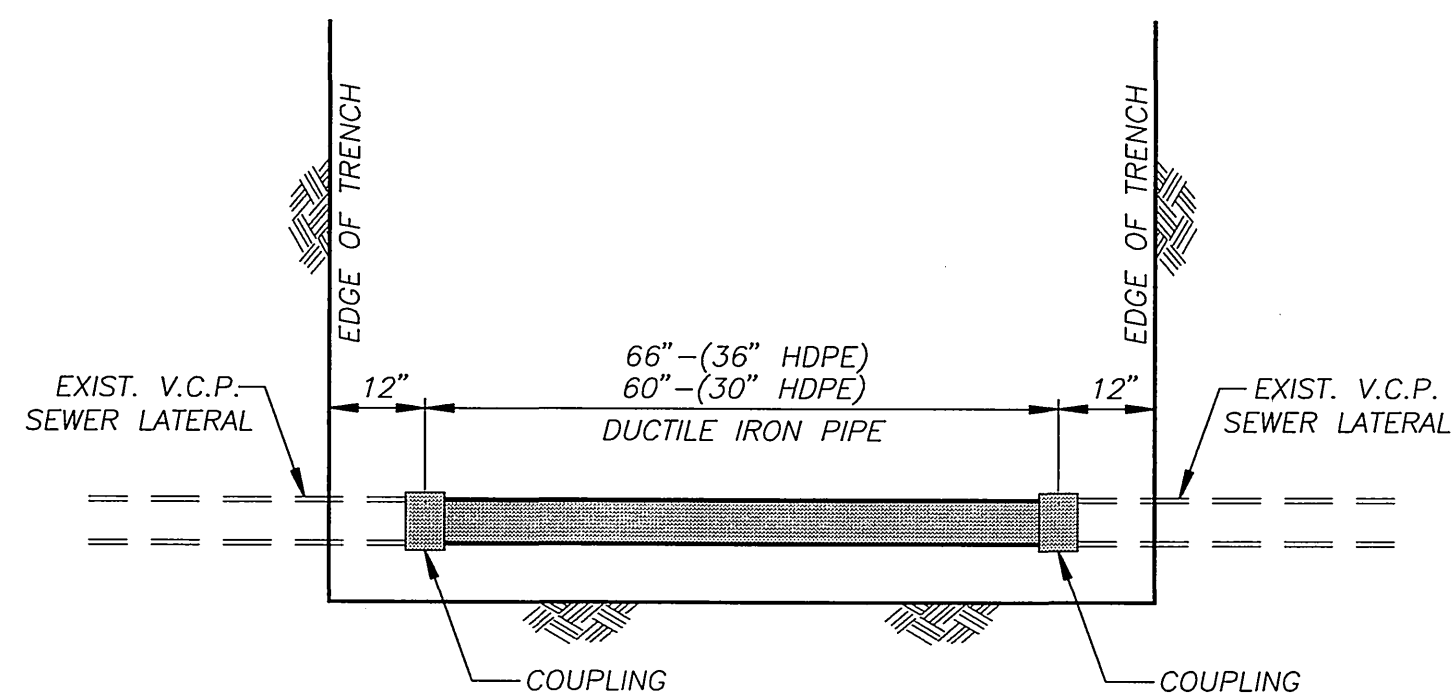
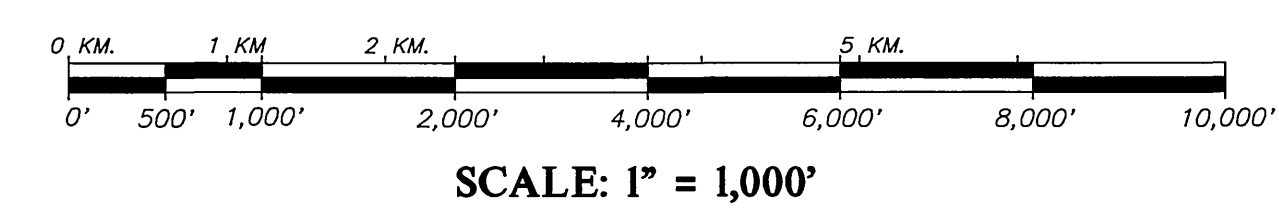
○ SANITARY SEWER M.H.	○ POLE & GUY ANCHOR	○ P.P.B. PEDESTRIAN PUSH BUTTON
○ SANITARY SEWER CLEANOUT	○ POWER POLE	○ RAILROAD TRACKS
○ STORM DRAIN M.H.	○ TELEPHONE POLE	○ RAILROAD SIGNAL
○ IRRIGATION WEIR	○ TELEPHONE RISER	○ TRAFFIC SIGNAL
○ WATER M.H.	○ JOINT USE POLE	○ TRAFFIC SIGNAL ON MAST ARM
○ GAS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

### CONSTRUCTION LEGEND

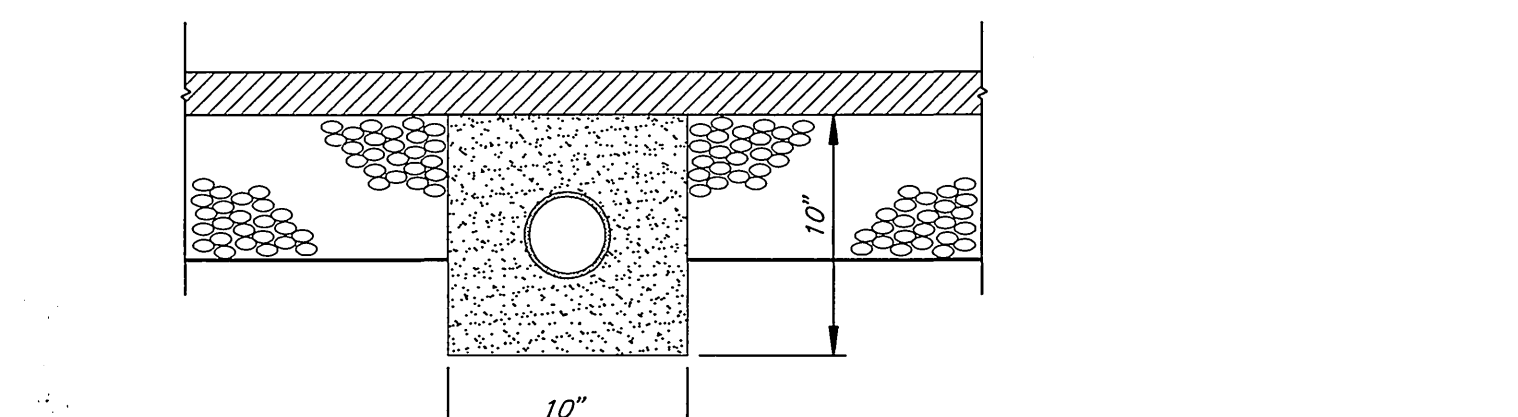
CENTER LINE	---	TOP OF SLOPE	YY
RIGHT-OF-WAY	---	TOE OF SLOPE	---
SUBDIVISION LOT LINE	---	DIRECTION OF FLOW	---



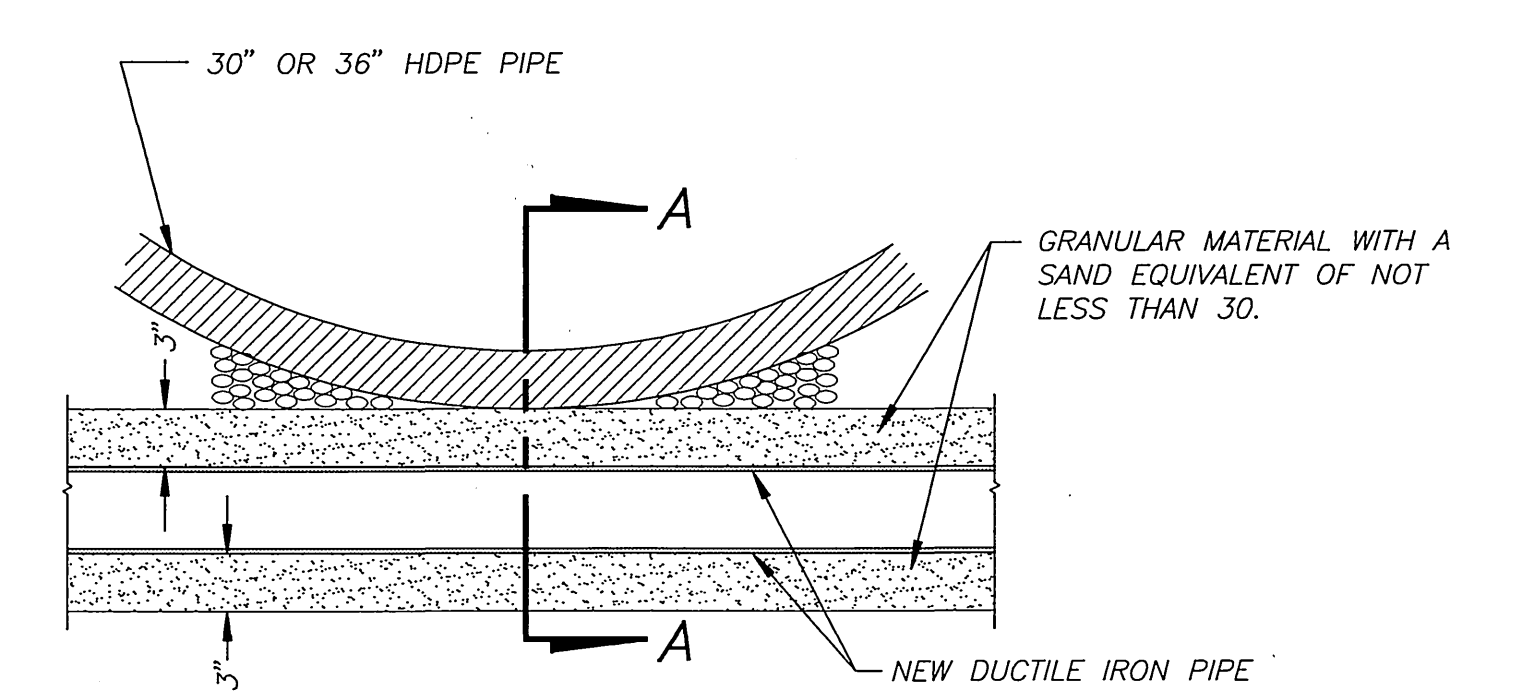
PROJECT LOCATION PLAN



DUCTILE IRON PATCH DETAIL  
NOT TO SCALE



SECTION A-A  
NOT TO SCALE



S.D. @ LATERAL CROSSING DETAIL  
NOT TO SCALE

**IMPORTANT NOTICE**  
Section 42154.011 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number call CALL TOLL FREE 2 WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

ENGINEER IN RESPONSIBLE CHARGE  
**Ronald C. Mueller**  
RONALD C. MUELLER  
R.C.E. No. 29510 expires 3/31/99  
DATE 12-23-97

REGISTERED PROFESSIONAL ENGINEER  
**RONALD C. MUELLER**  
No. 29510  
Exp. 3/31/99  
CIVIL  
STATE OF CALIFORNIA

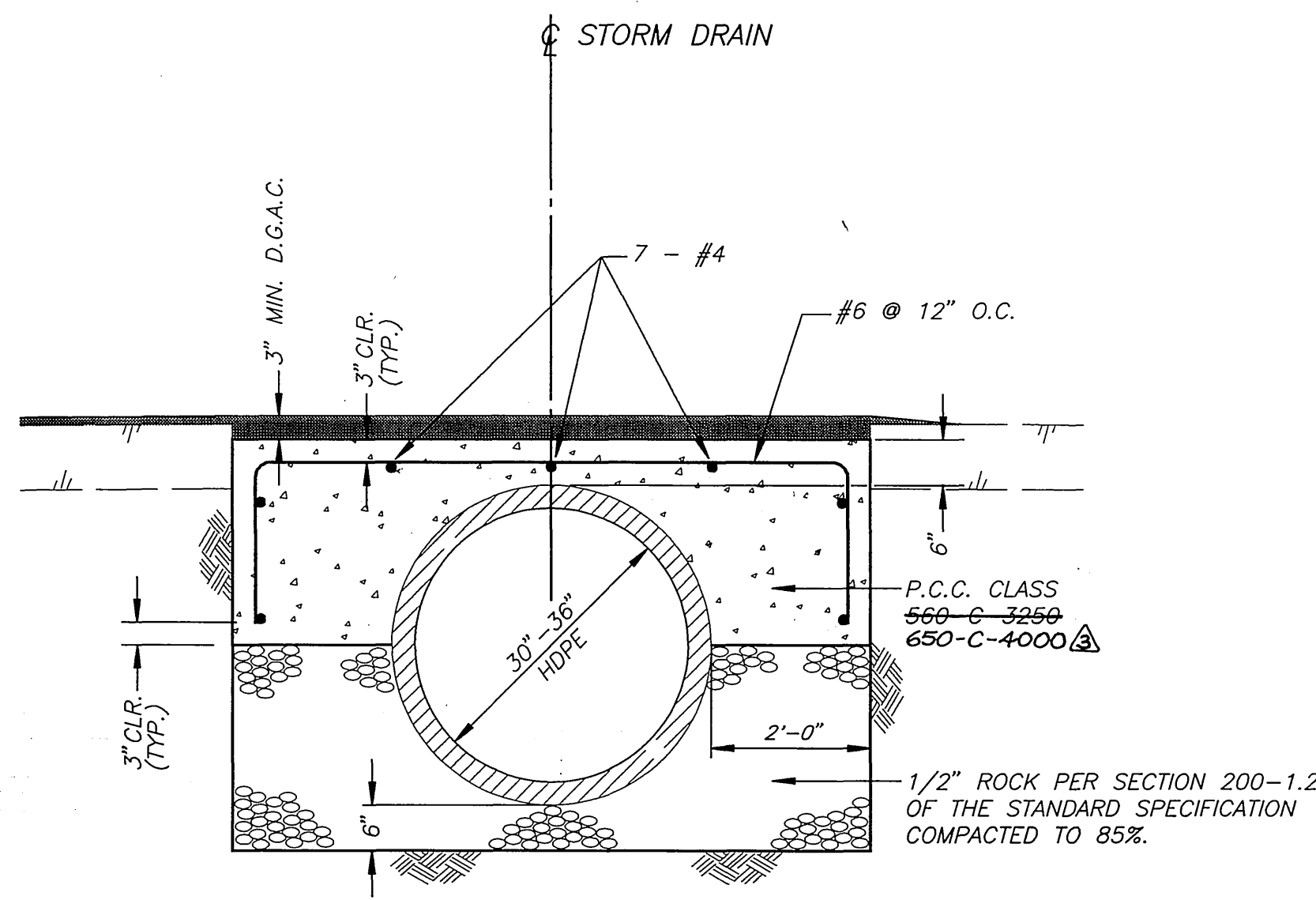
CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR		
PRINCIPAL ENGINEER		
CHIEF P.W. INSPECTOR		
STREET SERVICES SUPERVISOR		
TRAFFIC DIVISION		
PARKS DEPARTMENT		

APPROVED BY  
**Ronald C. Mueller**  
PUBLIC WORKS DIRECTOR  
DATE 12/23/97

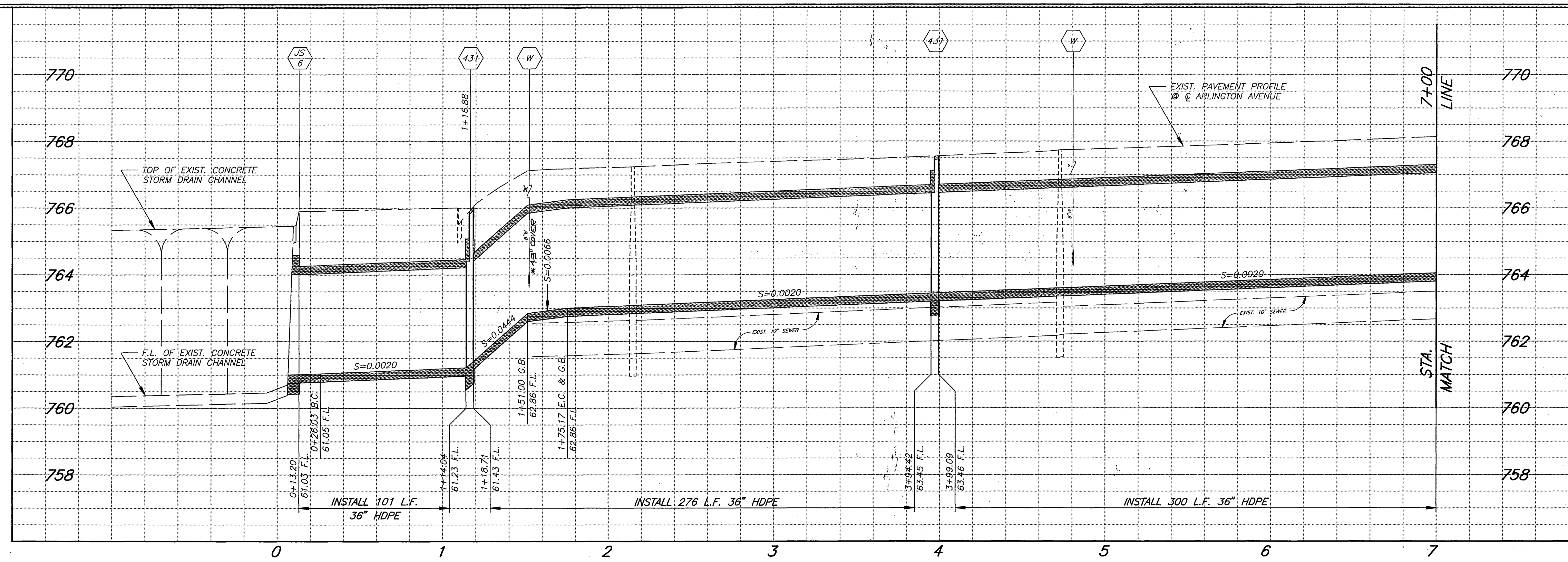
ARLINGTON AVENUE  
STORM DRAIN  
RENSTPL-5058 (047)  
PHOENIX AVE. TO HILLSIDE AVE.

AS BUILT 7/1/98 RJM  
ACCT. NO. 430-541500-440127-30293  
**D-655**  
SHEET 1 OF 3

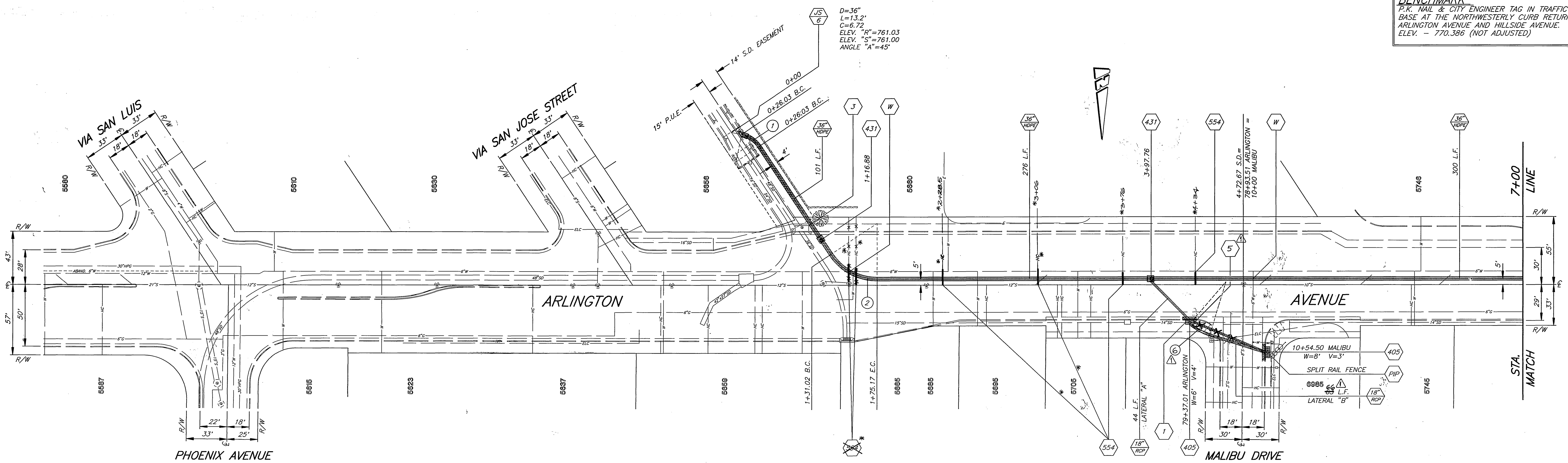


BEDDING/ENCASEMENT DETAIL

SCALE: 1"=2'



**BENCHMARK**  
 P.R. NAIL & CITY ENGINEER TAG IN TRAFFIC SIGNAL  
 BASE AT THE NORTHWESTERLY CURB RETURN OF  
 ARLINGTON AVENUE AND HILLSIDE AVENUE.  
 ELEV. - 770.386 (NOT ADJUSTED)



CONSTRUCTION NOTES

- 1 REMOVE INTERFERING PORTIONS OF EXISTING 14" CONCRETE PIPE AND PLUG ENDS PER THE STANDARD SPECIFICATION.
- 3 MAINTAIN MINIMUM 6" CLEARANCE BETWEEN EXISTING CATCH BASIN AND PROPOSED 36" HDPE.
- 36" HDPE 36" DIAMETER HIGH DENSITY POLYETHYLENE PIPE.
- JS 6 JUNCTION STRUCTURE NO. 6 PER RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT STANDARD DRAWING NUMBER JS 231.
- PIP PROTECT IN PLACE
- INTERFERING PORTIONS OF EXISTING WATER MAINS AND SERVICES SHALL BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, WATER DIVISION DURING CONSTRUCTION.

CONSTRUCTION NOTES (CONT.)

- 5 CONNECT UPSTREAM END OF EXISTING 14" CONCRETE PIPE INTO PROPOSED CATCH BASIN.

CURVE DATA				
Station	Δ	R	L	T
1	45° 00' 00"	22.50'	17.67'	9.32'
2	56° 13' 01"	45.00'	44.15'	24.04'
6	23° 21' 00"	45.00'	18.42'	9.34'

ENGINEER IN RESPONSIBLE CHARGE  
**Ronald C. Mueller**  
 RONALD C. MUELLER  
 R.C.E. No. 29510 expires 3/31/99  
 DATE 12-23-97

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT

APPROVED BY: *Redund McSmith*  
 PUBLIC WORKS DIRECTOR  
 DATE 12/23/97

DESIGNED BY: R.G. FANN, DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

NO.	REVISIONS	DATE
1	REVISED ENCASEMENT P.C.C. CLASS	1-28-98
2	REVISED LATERAL 'B' & ADDED NOTE 5	1-28-98

ARLINGTON AVENUE  
 STORM DRAIN  
 RENSTPL-5058 (047)  
 PHOENIX AVE. TO HILLSIDE AVE.

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 2'

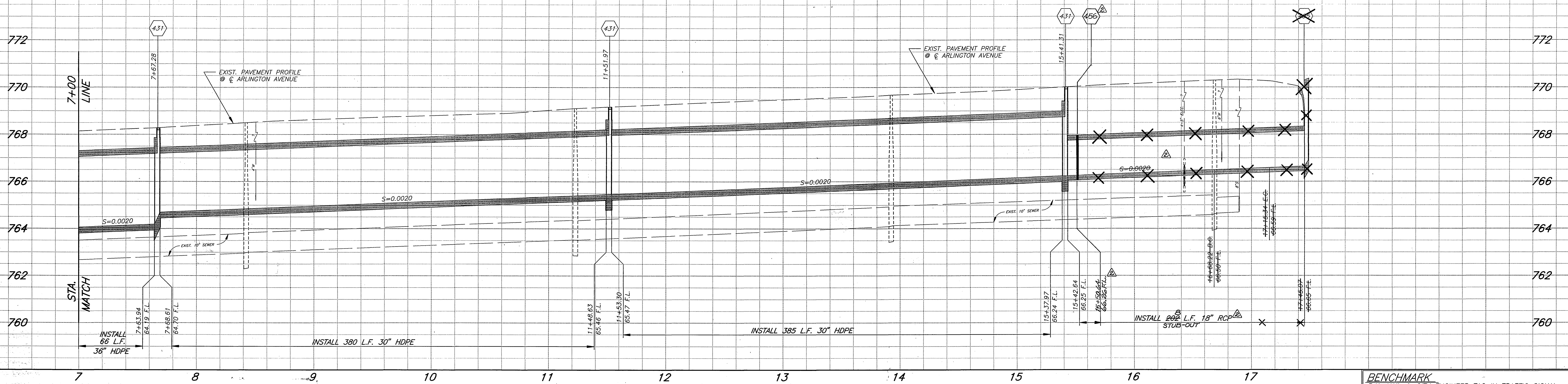
AS BUILT 7/1/98 R/M

ACCT. NO. 430-541500-440127-30293

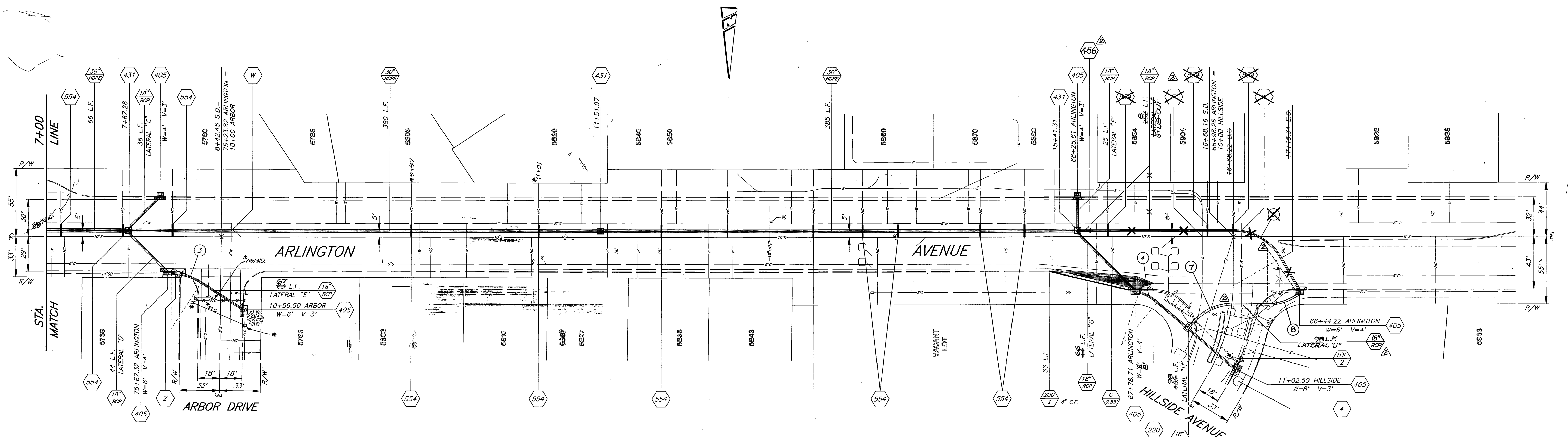
D-655

SHEET 2 OF 3

INDEXED 3-31-98 4/1



**BENCHMARK**  
 P.K. NAIL & CITY ENGINEER TAG IN TRAFFIC SIGNAL  
 BASE AT THE NORTHWESTERLY CURB RETURN OF  
 ARLINGTON AVENUE AND HILLSIDE AVENUE.  
 ELEV. - 770.386 (NOT ADJUSTED)

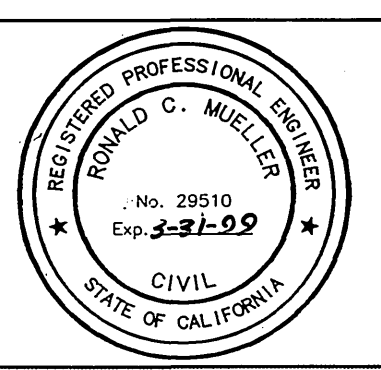


**CONSTRUCTION NOTES**

- 2 REMOVE EXISTING CATCH BASIN AND INTERFERING PORTIONS OF EXISTING 14" CONCRETE PIPE AND PLUG PER THE STANDARD SPECIFICATION.
- 4 REMOVE EXISTING TREE/BUSH.
- C 0.85' CONSTRUCT STRUCTURAL SECTION OF 0.85' DENSE GRADED ASPHALT CONCRETE OVER COMPACTED NATIVE SOIL.
- E INTERFERING PORTIONS OF EXISTING UNDER GROUND ELECTRICAL FACILITIES SHALL BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, ELECTRIC DIVISION DURING CONSTRUCTION.
- 36" HDPE 36" DIAMETER HIGH DENSITY POLYETHYLENE PIPE.
- W INTERFERING PORTIONS OF EXISTING WATER MAINS AND SERVICES SHALL BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, WATER DIVISION DURING CONSTRUCTION.
- TDL TRAFFIC DETECTOR LOOP INSTALLATIONS.
- 2 NUMBER OF DETECTOR LOOPS.

CURVE DATA					
Station	Δ	R	L	T	
3	32° 52' 38"	45.00'	25.82'	13.28'	
4	22° 02' 04"	45.00'	17.31'	8.76'	
5	60° 00' 00"	45.00'	47.12'	25.98'	
7	45° 00' 00"	45.00'	35.34'	18.64'	
8	35° 14' 51"	45.00'	27.68'	14.30'	

ENGINEER IN RESPONSIBLE CHARGE  
*Ronald C. Mueller*  
 RONALD C. MUELLER  
 R.C.E. No. 29510 expires 3/31/99  
 DATE 12-23-97



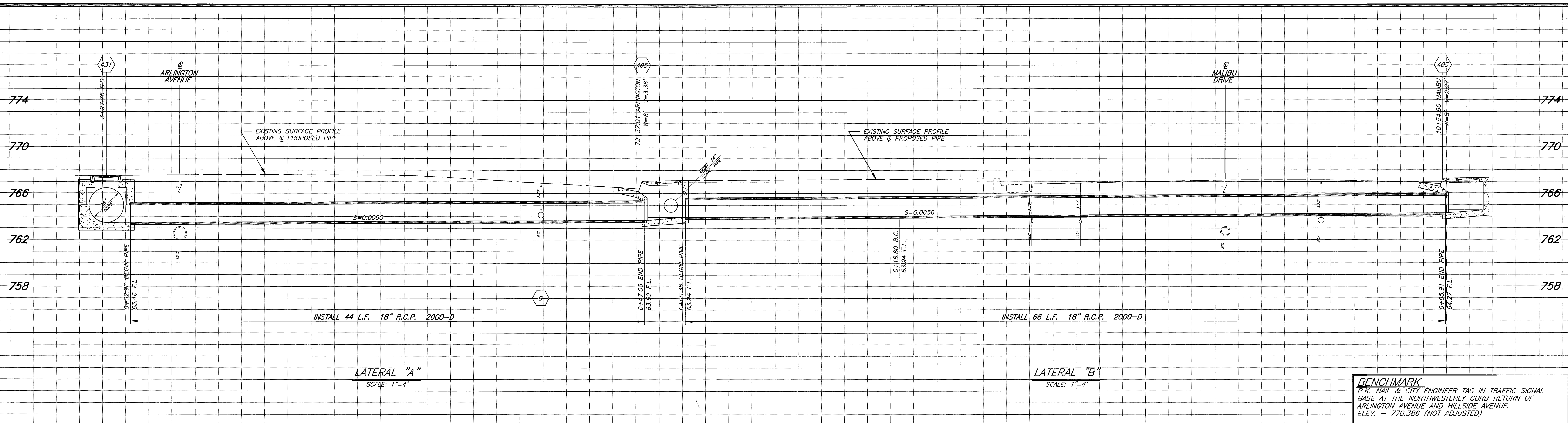
REVISIONS  
 2 REVISED LATERAL "J"  
 RCM 1/28/98  
 DESIGNED BY B.G. FANN, DRAWN BY, CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: [Signature]  
 PUBLIC WORKS DIRECTOR  
 DATE 12/23/97

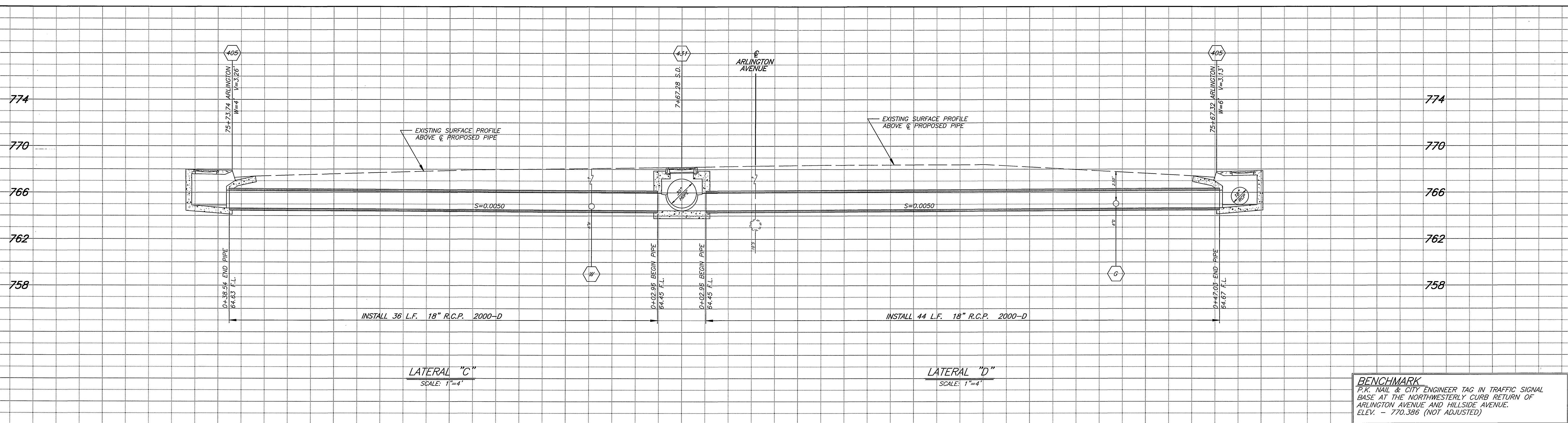
ARLINGTON AVENUE  
 STORM DRAIN  
 RENSTPL-5058 (047)  
 PHOENIX AVE. TO HILLSIDE AVE.

AS BUILT 7/9/98 BJM  
 ACCT. NO. 430-541500-440127-30293  
**D-655**  
 SHEET 3 OF 3

INDEXED 3-31-98 LTH



**BENCHMARK**  
 P.K. NAIL & CITY ENGINEER TAG IN TRAFFIC SIGNAL  
 BASE AT THE NORTHWESTERLY CURB RETURN OF  
 ARLINGTON AVENUE AND HILLSIDE AVENUE.  
 ELEV. = 770.386 (NOT ADJUSTED)



**BENCHMARK**  
 P.K. NAIL & CITY ENGINEER TAG IN TRAFFIC SIGNAL  
 BASE AT THE NORTHWESTERLY CURB RETURN OF  
 ARLINGTON AVENUE AND HILLSIDE AVENUE.  
 ELEV. = 770.386 (NOT ADJUSTED)

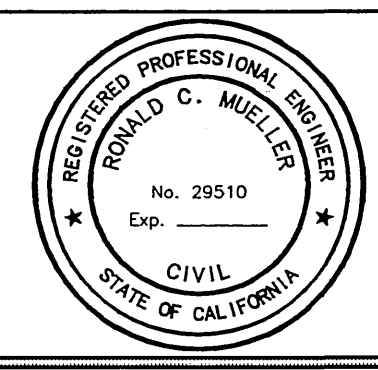
**CONSTRUCTION NOTES**

- G INTERFERING PORTIONS OF EXISTING GAS MAINS SHALL BE RELOCATED BY THE GAS COMPANY DURING CONSTRUCTION.
- W INTERFERING PORTIONS OF EXISTING WATER MAINS AND SERVICES SHALL BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, WATER DIVISION DURING CONSTRUCTION.

NOT A PART OF THE ORIGINAL CONTRACT DOCUMENTS.

" AS BUILT "

**ENGINEER IN RESPONSIBLE CHARGE**  
 RONALD C. MUELLER  
 R.C.E. No. 29510 expires 3/31/99  
 DATE \_\_\_\_\_

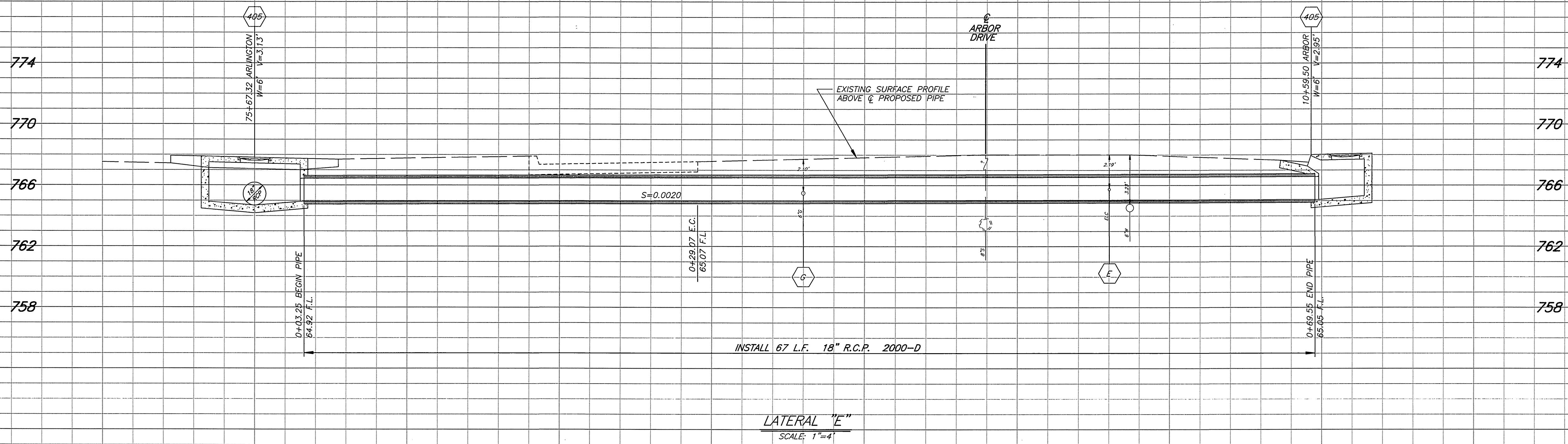


MARK	REVISIONS	APPR.	DATE

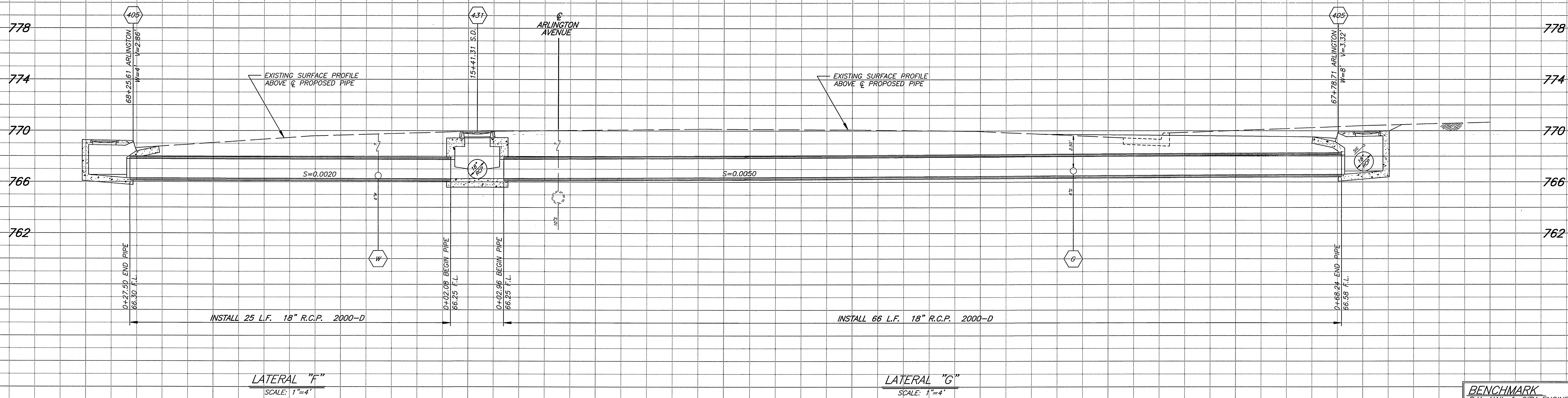
CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT	
APPROVED BY	DATE
DEPUTY P.W. DIRECTOR	
PRINCIPAL ENGINEER	
CHIEF P.W. INSPECTOR	
STREET SERVICES	
TRAFFIC DIVISION	
PARKS DEPARTMENT	

**ARLINGTON AVENUE  
 STORM DRAIN  
 RENSTPL-5058 (047)  
 PHOENIX AVE. TO HILLSIDE AVE.**

ACCT. NO. 430-541500-440127-30293  
**D-655**  
 SHEET 4 OF 3  
 HORIZ. SCALE: 1" = 4'    VERT. SCALE: 1" = 4'



**BENCHMARK**  
 P.K. NAIL & CITY ENGINEER TAG IN TRAFFIC SIGNAL  
 BASE AT THE NORTHWESTERLY CURB RETURN OF  
 ARLINGTON AVENUE AND HILLSIDE AVENUE.  
 ELEV. - 770.386 (NOT ADJUSTED)




**BENCHMARK**  
 P.K. NAIL & CITY ENGINEER TAG IN TRAFFIC SIGNAL  
 BASE AT THE NORTHWESTERLY CURB RETURN OF  
 ARLINGTON AVENUE AND HILLSIDE AVENUE.  
 ELEV. - 770.386 (NOT ADJUSTED)

**CONSTRUCTION NOTES**

- E INTERFERING PORTIONS OF EXISTING UNDER GROUND ELECTRICAL FACILITIES SHALL BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, ELECTRIC DIVISION DURING CONSTRUCTION.
- G INTERFERING PORTIONS OF EXISTING GAS MAINS SHALL BE RELOCATED BY THE GAS COMPANY DURING CONSTRUCTION.
- W INTERFERING PORTIONS OF EXISTING WATER MAINS AND SERVICES SHALL BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, WATER DIVISION DURING CONSTRUCTION.

NOT A PART OF THE ORIGINAL CONTRACT DOCUMENTS.

" AS BUILT "

**ENGINEER IN RESPONSIBLE CHARGE**  
  
 RONALD C. MUELLER  
 R.C.E. No. 29510 expires 3/31/99  
 DATE \_\_\_\_\_

MARK	REVISIONS	APPR.	DATE

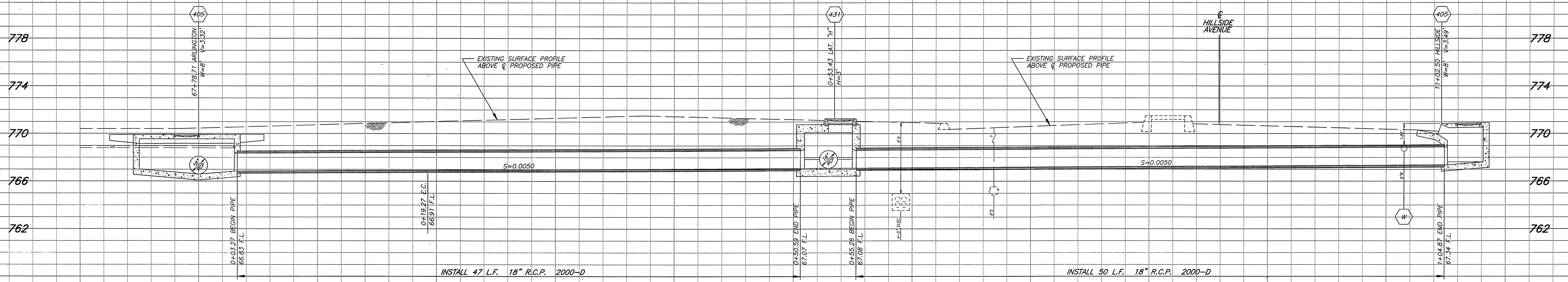
DESIGNED BY R.G. FANN, DRAWN BY R.G. FANN, CHECKED BY \_\_\_\_\_

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT	
APPROVED BY	BY DATE
DEPUTY P.W. DIRECTOR	
PRINCIPAL ENGINEER	
CHIEF P.W. INSPECTOR	
STREET SERVICES	
TRAFFIC DIVISION	
PARKS DEPARTMENT	

**ARLINGTON AVENUE  
 STORM DRAIN  
 RENSTPL-5058 (047)  
 PHOENIX AVE. TO HILLSIDE AVE.**

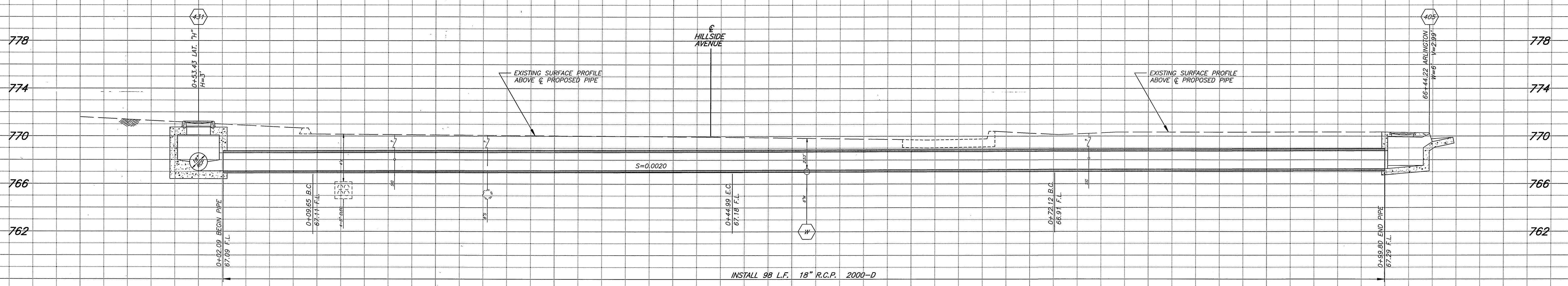
ACCT. NO. 430-541500-440127-30293  
**D-655**  
 SHEET 5 OF 3

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



LATERAL "H"  
SCALE: 1"=4'

**BENCHMARK**  
P.K. NAIL & CITY ENGINEER TAG IN TRAFFIC SIGNAL  
BASE AT THE NORTHWESTERLY CURB RETURN OF  
ARLINGTON AVENUE AND HILLSIDE AVENUE.  
ELEV. - 770.386 (NOT ADJUSTED)



LATERAL "J"  
SCALE: 1"=4'

**BENCHMARK**  
P.K. NAIL & CITY ENGINEER TAG IN TRAFFIC SIGNAL  
BASE AT THE NORTHWESTERLY CURB RETURN OF  
ARLINGTON AVENUE AND HILLSIDE AVENUE.  
ELEV. - 770.386 (NOT ADJUSTED)

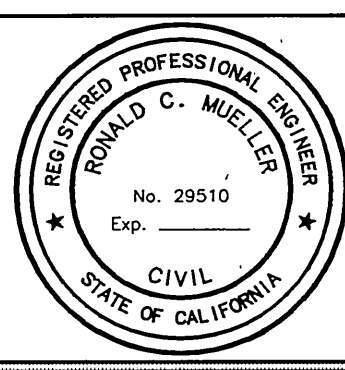
**CONSTRUCTION NOTES**

- E** INTERFERING PORTIONS OF EXISTING UNDER GROUND ELECTRICAL FACILITIES SHALL BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, ELECTRIC DIVISION DURING CONSTRUCTION.
- G** INTERFERING PORTIONS OF EXISTING GAS MAINS SHALL BE RELOCATED BY THE GAS COMPANY DURING CONSTRUCTION.
- W** INTERFERING PORTIONS OF EXISTING WATER MAINS AND SERVICES SHALL BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, WATER DIVISION DURING CONSTRUCTION.

NOT A PART OF THE ORIGINAL CONTRACT DOCUMENTS.

"AS BUILT"

**ENGINEER IN RESPONSIBLE CHARGE**  
RONALD C. MUELLER  
R.C.E. No. 29510 expires 3/31/99  
DATE \_\_\_\_\_



MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR		
PRINCIPAL ENGINEER		
CHIEF P.W. INSPECTOR		
STREET SERVICES		
TRAFFIC DIVISION		
PARKS DEPARTMENT		

ARLINGTON AVENUE  
STORM DRAIN  
RENSTPL-5058 (047)  
PHOENIX AVE. TO HILLSIDE AVE.  
HORIZ. SCALE: 1" = 4'    VERT. SCALE: 1" = 4'

ACCT. NO. 430-541500-440127-30293  
**D-655**  
SHEET 6 OF 3