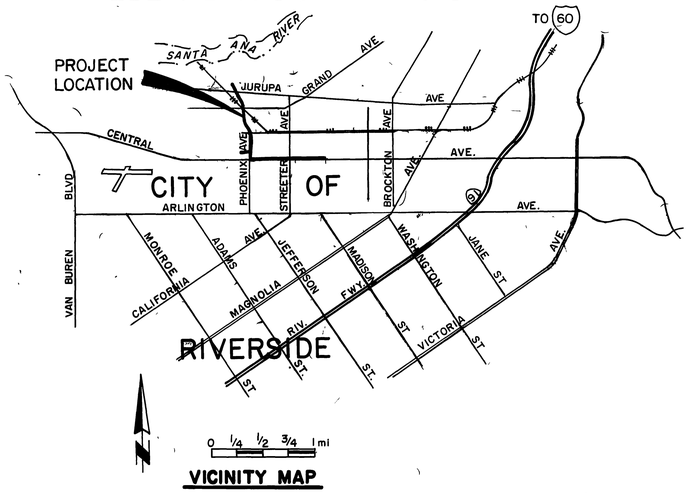
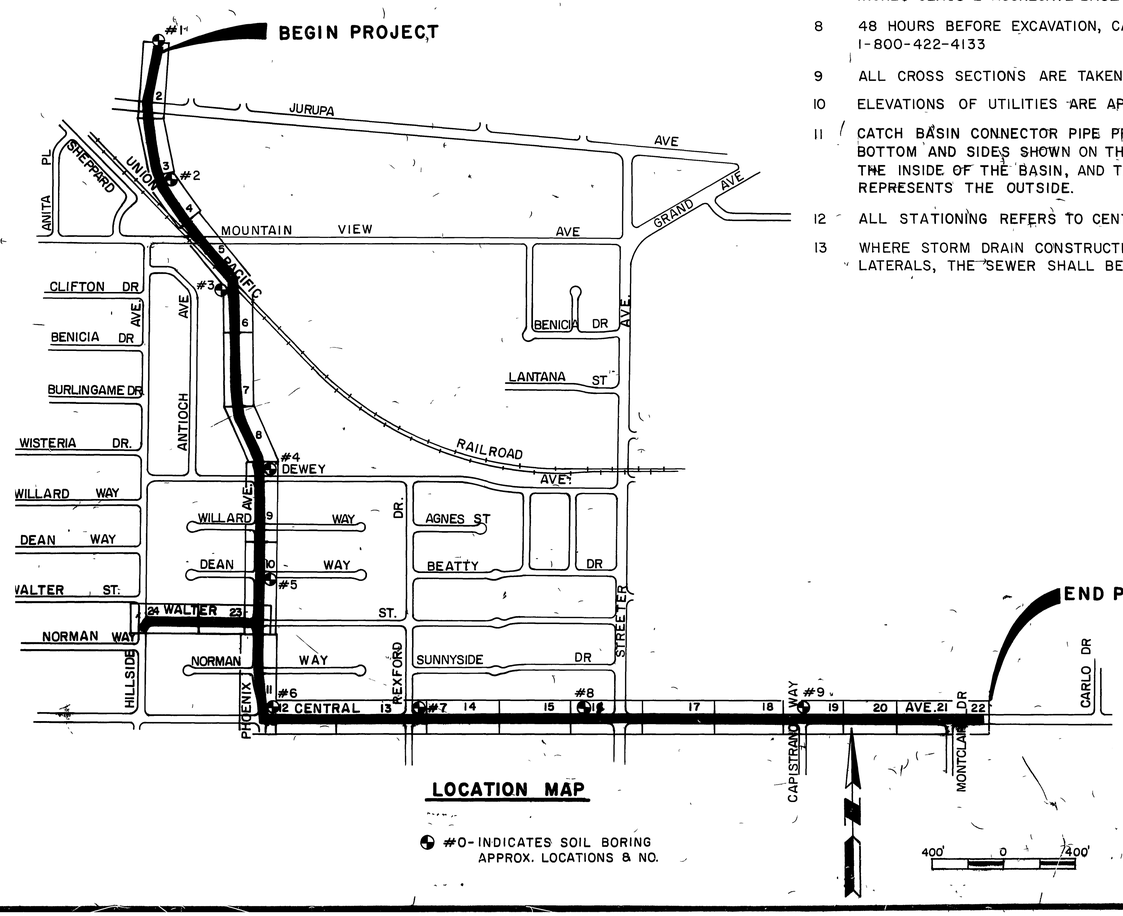
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT



VICINITY MAP



LOCATION MAP

#O- INDICATES SOIL BORING APPROX. LOCATIONS & NO.

GENERAL NOTES

1. TOPOGRAPHIC FEATURES, BOTH CONTOURS & CULTURE, ARE BASED UPON RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT PHOTOGRAMMETRY DATED 1-23-76.
2. ALL ELEVATIONS SHOWN ARE IN FEET BASED ON U.S.C.& G.S. DATUM.
3. TIES TO CATCH BASINS ARE FROM THE CURB RETURN TO THE CENTERLINE OF THE CATCH BASIN UNLESS OTHERWISE SHOWN WHERE NO TIE IS SHOWN THE LOCAL DEPRESSION SHALL START AT THE CURB RETURN.
4. PIPE CONNECTIONS TO MAINLINE SHALL CONFORM TO J.S. NO. 4 UNLESS OTHERWISE NOTED.
5. OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE,
6. ALL - RESURFACING, CURB, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED SHALL BE CONSTRUCTED AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
7. STREET RESURFACING SHALL BE 3 INCHES ASPHALT CONCRETE ON 6 INCHES CLASS 2 AGGREGATE BASE OR IN KIND, WHICH EVER IS GREATER.
8. 48 HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-422-4133
9. ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
10. ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS NOTED OTHERWISE.
11. CATCH BASIN CONNECTOR PIPE PROFILES ARE SCHEMATIC ONLY. THE BOTTOM AND SIDES SHOWN ON THE PLANS FOR EACH BASIN REPRESENT THE INSIDE OF THE BASIN, AND THE TOP SHOWN ON THE PLANS REPRESENTS THE OUTSIDE.
12. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION.
13. WHERE STORM DRAIN CONSTRUCTION CROSSES UNDER SEWER MAINS OR LATERALS, THE SEWER SHALL BE ENCASED PER CITY STANDARD NO. 564.

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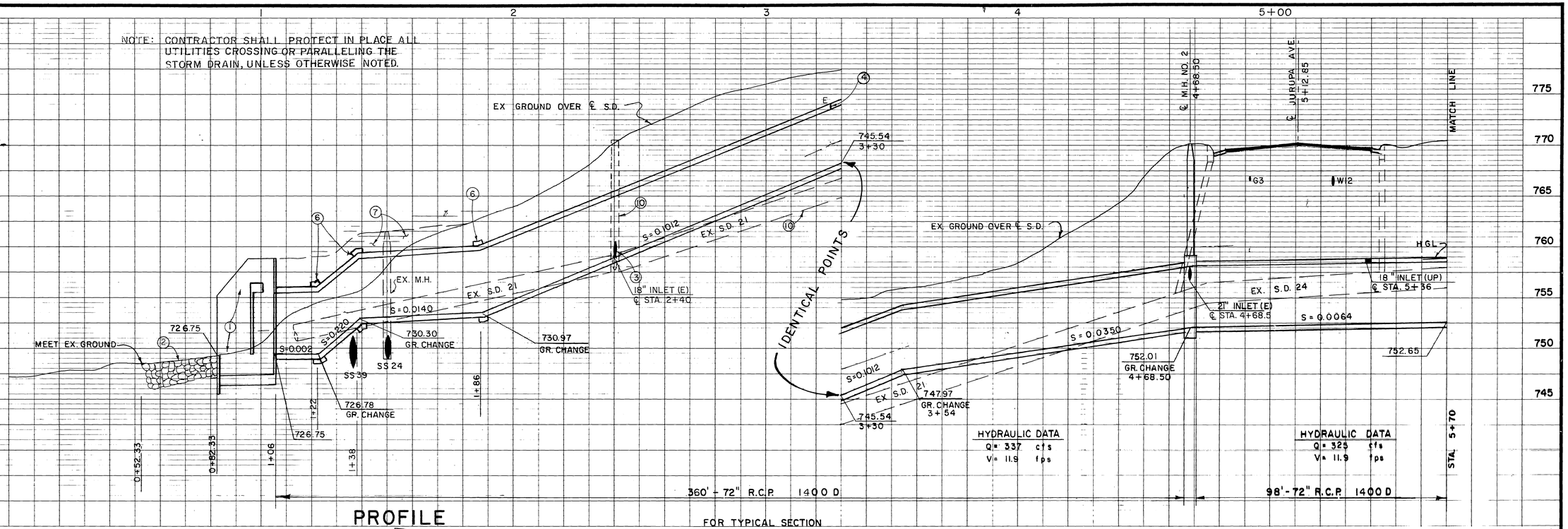
REVISIONS			RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		PHOENIX AVENUE STORM DRAIN	PROJECT NO. 1-0-240
			DESIGNED BY: J.R.C.	APPROVED BY: Kenneth Stevens CHIEF ENGINEER R.E. NO. 13400	TITLE SHEET	DRAWING NO. 1-394
			DRAWN BY: K.R.B.			
			DATE DRAWN: 9-82	DATE: 12-15-82	1980 STORM DRAIN BOND ISSUE PROJECT NO. 15	SHEET NO. 1 OF 60
REF.	DESCRIPTION	APPR. DATE	CHECKED BY: A.G.K.			

AS BUILT

D-447

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.

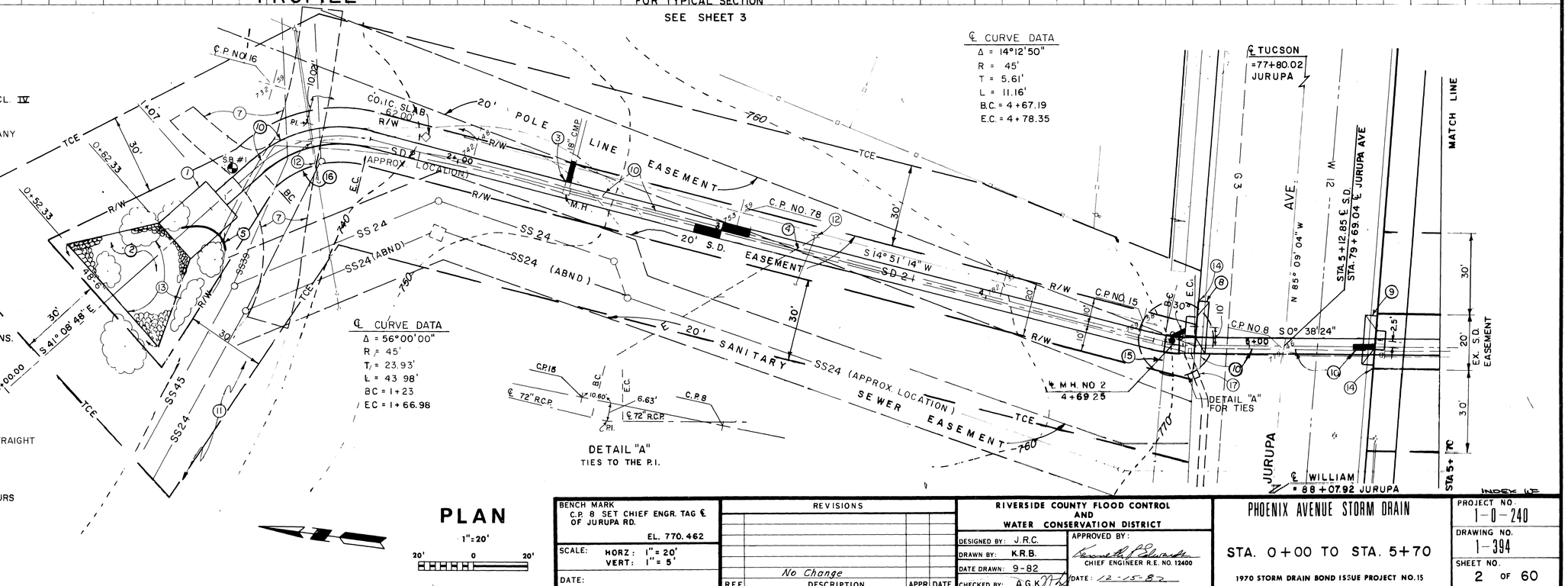


PROFILE

FOR TYPICAL SECTION
SEE SHEET 3

NOTES

1. FOR DETAILS OF OUTLET STRUCTURE SEE SHEET NO. 28.
2. 1/2 TON ROCK SLOPE PROTECTION.
3. CONNECT 18" CMP TO MAINLINE. 16'-18" RCP, CL. IV
4. CONTRACTOR TO DETERMINE EXACT LOCATION OF ELECTRICAL LINE PRIOR TO INSTALLING ANY 72" RCP.
5. REMOVE EXISTING PIPE & HEADWALL
6. CONCRETE COLLAR SEE STANDARD SHEET NO 51.
7. FILL 2' MIN. OVER PIPE. SLOPE FILL TO EX. ROADWAY AT 6% MAX.
8. CATCH BASIN NO.1, W=7', V=4.0', 13'-21" RCP CL. IV. SEE CONNECTOR PIPE PROFILE SHEET NO. 25. CASE "C" LOCAL DEPRESSION.
9. CATCH BASIN NO.1, W=7', V=4.0', 12'-18" RCP CL. IV. SEE CONNECTOR PIPE PROFILE SHEET NO. 25. CASE "C" LOCAL DEPRESSION.
10. REMOVE EXISTING S.D., MANHOLES, & CATCH BASINS.
11. R/W ACCESS THROUGH PARK.
12. PROTECT POLE IN PLACE. ANCHOR REMOVED BY OTHERS.
13. REMOVE INTERFERING TREES AND BRUSH.
14. MATCH EX. CURB @ ENDS OF DEPRESSION, STRAIGHT GRADE BETWEEN, TYP. EACH C.B. ON JURUPA.
15. REMOVE AND REPLACE FENCE.
16. CONTRACTOR TO PROVIDE HORSE TRAILS DETOURS DURING CONSTRUCTION.
17. FUTURE D-11 STUB TO WEST.



PLAN

1"=20'

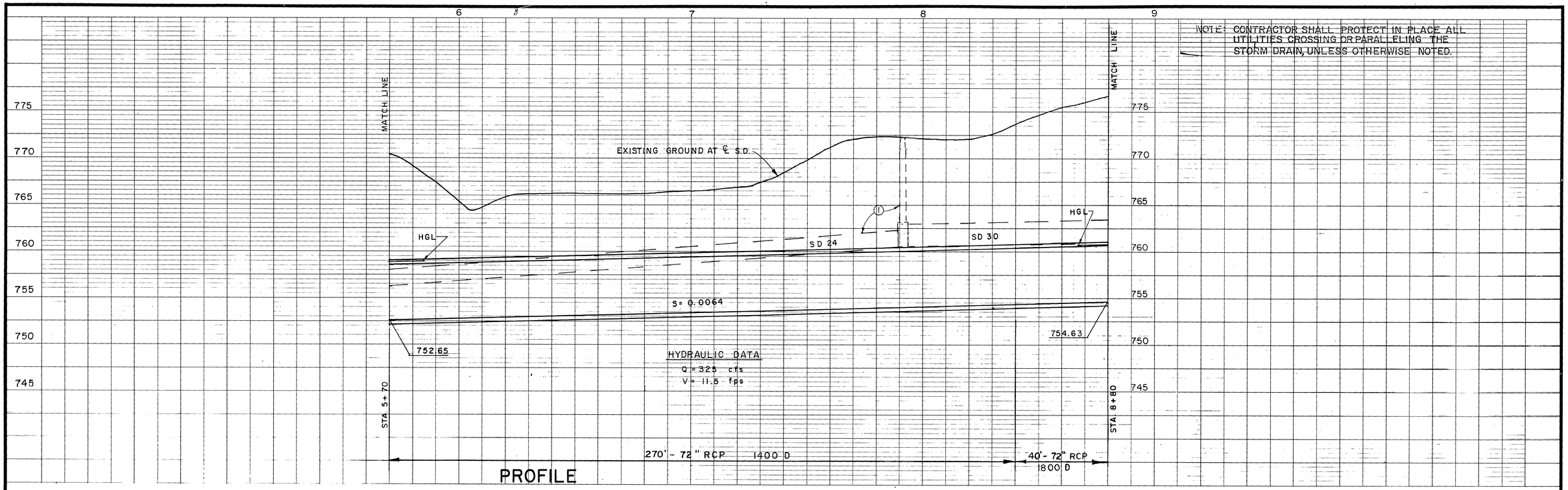
20' 0 20'

BENCH MARK C.P. 8 SET CHIEF ENGR. TAG ℄ OF JURUPA RD. EL. 770.462	REVISIONS			RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN	PROJECT NO. 1-0-240
SCALE: HORZ: 1"=20' VERT: 1"=5'				DESIGNED BY: J.R.C.	STA. 0+00 TO STA. 5+70	DRAWING NO. 1-394
DATE:	No Change			DRAWN BY: K.R.B.	1970 STORM DRAIN BOND ISSUE PROJECT NO.15	SHEET NO. 2 OF 60
	REF.	DESCRIPTION	APPR. DATE	DATE DRAWN: 9-82		
				CHECKED BY: A.G.K.	APPROVED BY: CHIEF ENGINEER R.E. NO. 12400 DATE: 12-15-82	

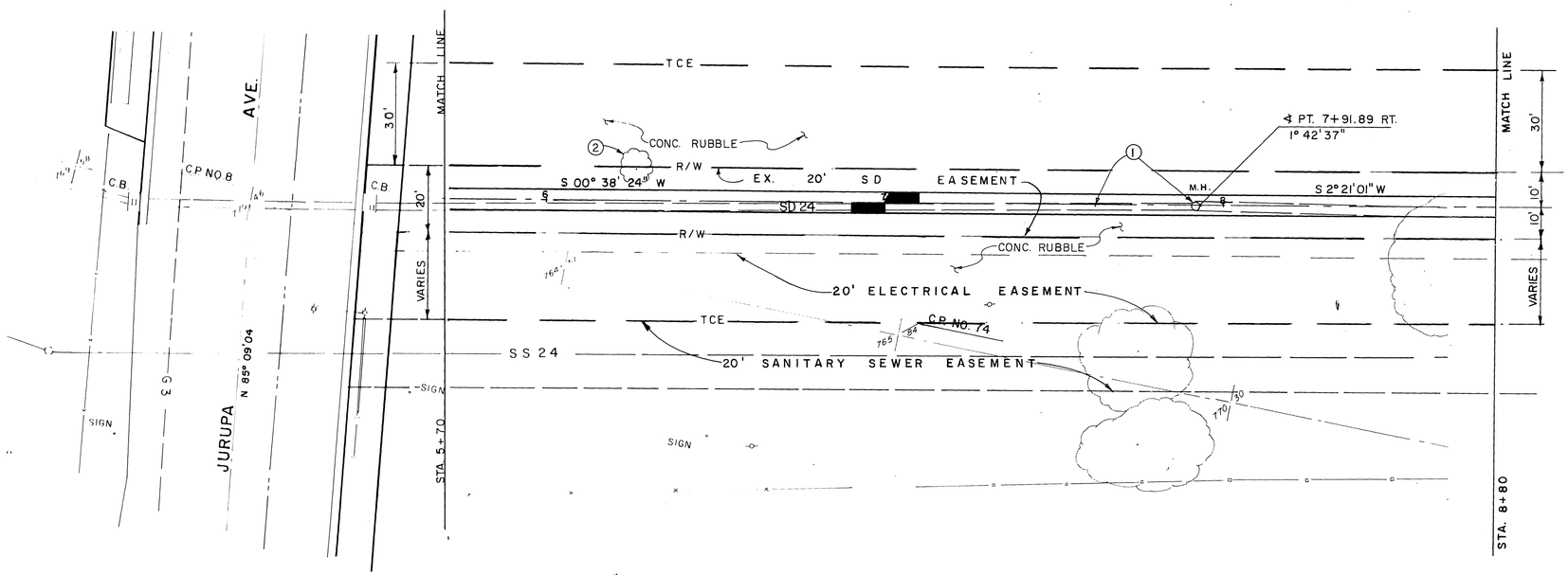
AS BUILT

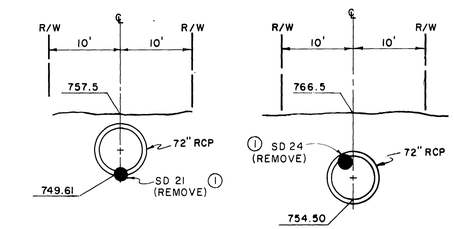
D-497

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



PROFILE





SECTION AT STA. 4+00

SECTION AT STA. 7+00

NOTES:

① REMOVE EX. S.D. AND MANHOLE.
② REMOVE TREE.

PLAN
1"=20'
20' 0 20'

BENCH MARK X- CUT TOP OF OF FIRE HYD. S. SIDE OF JURUPA RD. 130' EAST OF C.P. 8 EL. 774.549	REVISIONS		RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN
SCALE: HORZ: 1"= 20' VERT: 1"= 5'			DESIGNED BY: J.R.C.	APPROVED BY:
DATE:	REF.	DESCRIPTION / APPR. DATE	DRAWN BY: K.R.B.	
		No Change	DATE DRAWN: 9-82	STA. 5+70 TO STA. 8+80
			CHECKED BY: A.G.K.	CHIEF ENGINEER R.E. NO. 12400
				DATE: 12-15-82
				1970 STORM DRAIN BOND ISSUE PROJECT NO.15

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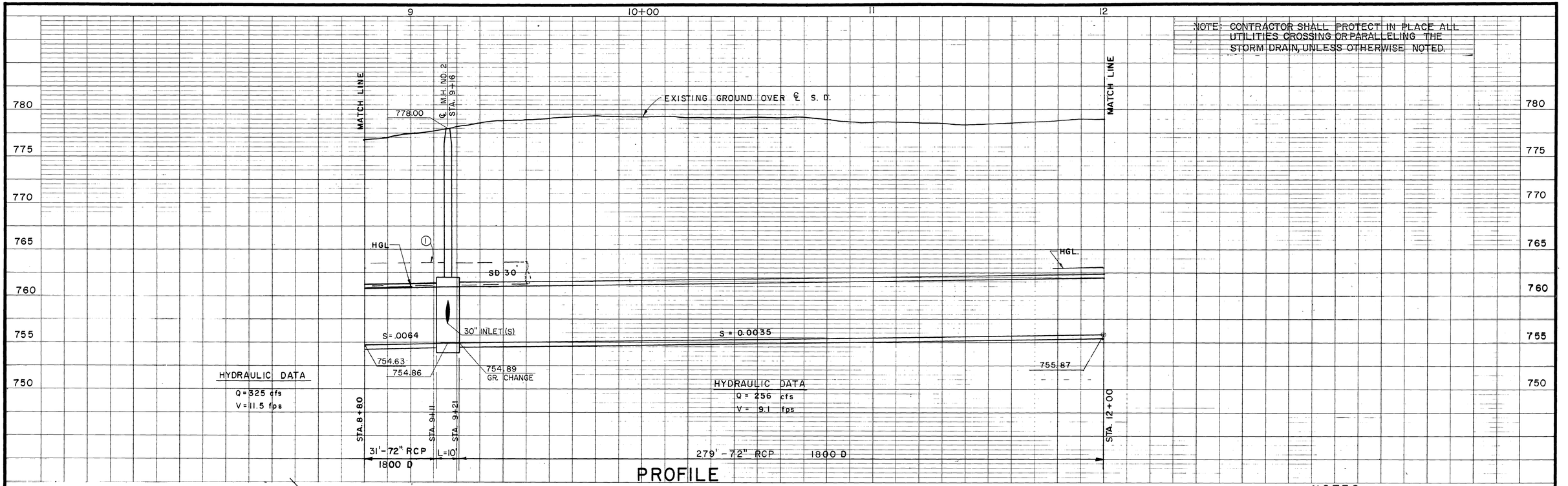
PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 3 OF 60

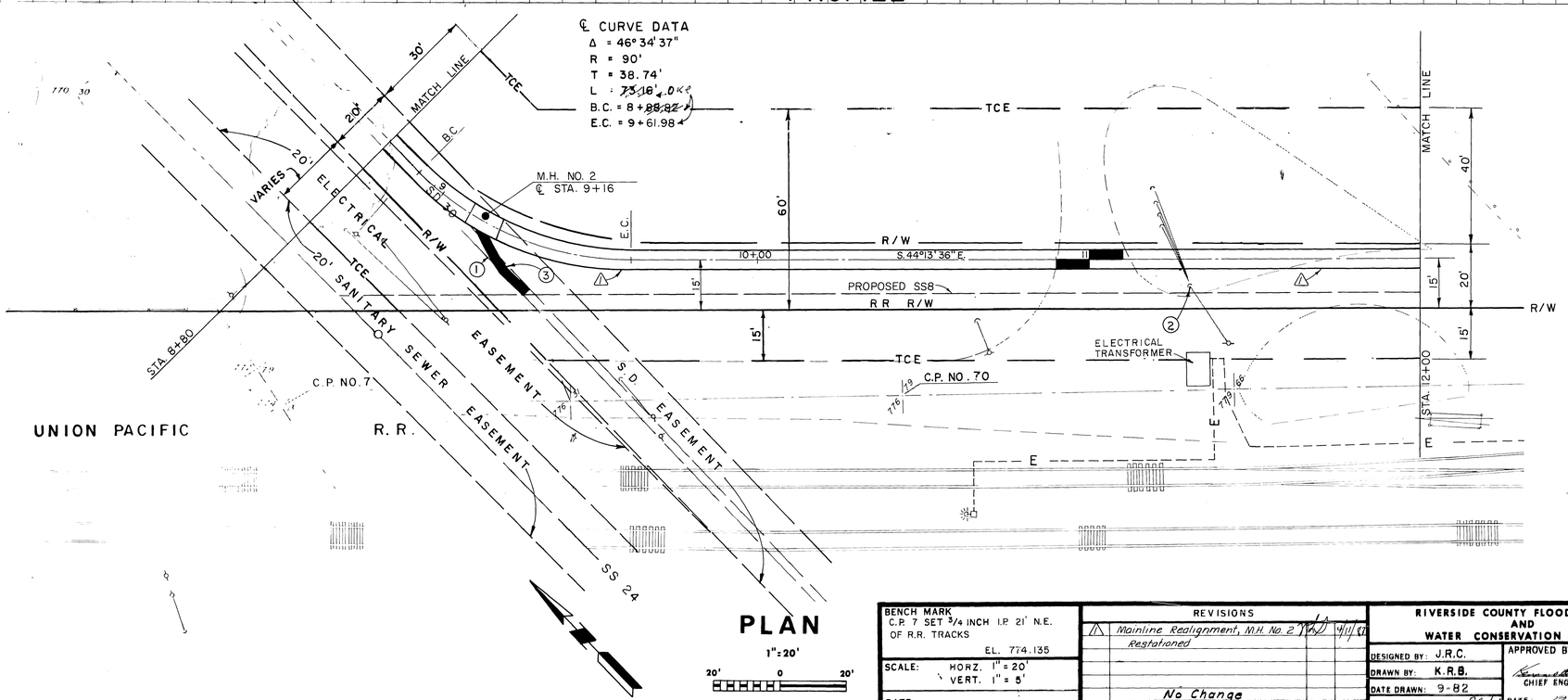
AS BUILT

D-947

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



PROFILE



PLAN

1"=20'

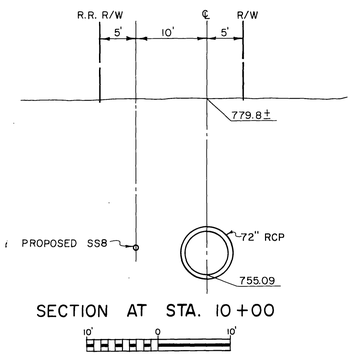
20' 0 20'

NOTES

① REMOVE INTERFERING PORTIONS OF EXISTING 30" SD

② ANCHOR POLE & ANCHORS TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.

③ CONNECT EXISTING 30" S.D. TO M.H. NO. 2, 24'-30" R.C.P. 2000D SEE SHEET 25. FOR CONNECTOR PIPE PROFILE



SECTION AT STA. 10+00

10' 0 10'

BENCH MARK
C.P. 7 SET 3/4 INCH I.P. 21' N.E. OF R.R. TRACKS
EL. 774.135

SCALE: HORZ. 1" = 20'
VERT. 1" = 5'

DATE:

REVISIONS

REF.	DESCRIPTION	APPR.	DATE
⚠	Mainline Realignment, M.H. No. 2 Restatoned		4/11/83
	No Change		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: K.R.B.
DATE DRAWN: 9-82
CHECKED BY: A.G.K.
APPROVED BY: Kenneth L. Edwards, CHIEF ENGINEER R.E. NO. 12400
DATE: 12-10-82

PHOENIX AVENUE STORM DRAIN

C.C.O. NO. 1

STA. 8+80 TO STA. 12+00

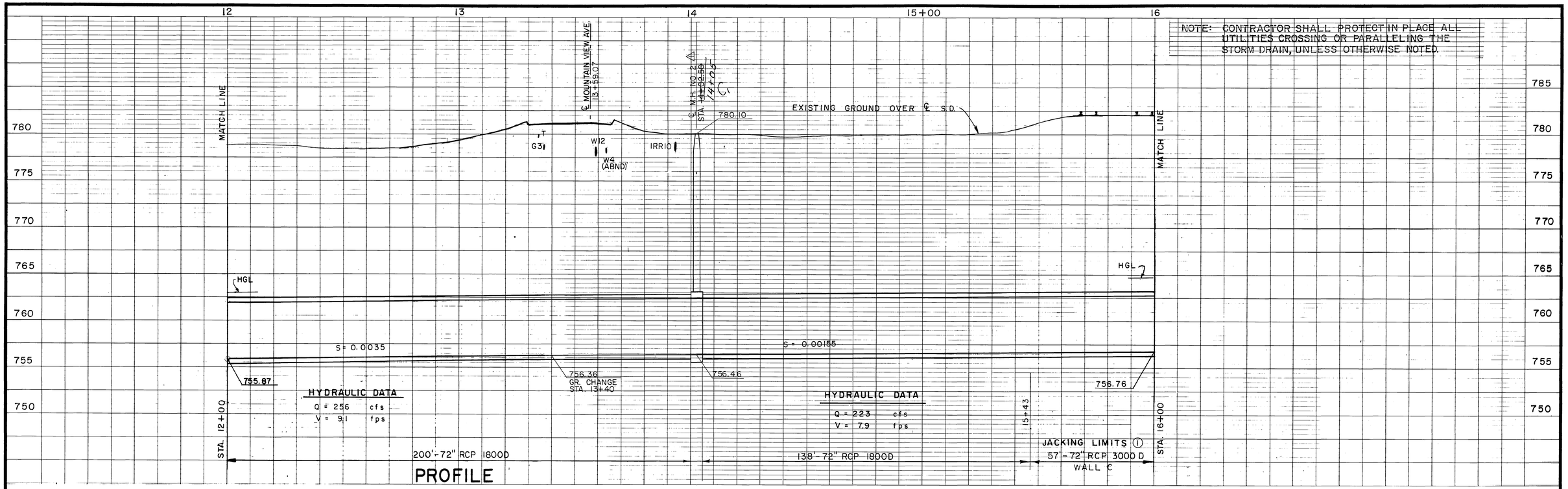
1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

INDEX 45

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 4 OF 60

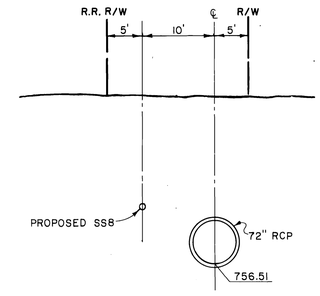
AS BUILT

D-447



NOTES

1. FOR RAILROAD CROSSING SEE SPECIFICATION FOR SPECIAL PROVISIONS.
2. PROTECT IN PLACE.
3. PROTECT PALM IN PLACE.
4. REPLACE TOPSOIL. SEE SPECIFICATIONS FOR DETAILS.
5. REMOVE AND REPLACE FENCE.
6. FUTURE 36" STUB TO S.E.



SECTION AT STA. 14+50

BENCH MARK X-CUT TOP OF RAIL USED AS GUARD POST FOR RR. XING N/E COR OF RAIL RD. & MTN. VIEW AVE. RAIL IS SET IN CONC. SIDEWALK. EL. 784.454

SCALE: HORZ. 1" = 20' VERT. 1" = 5'

DATE:

REVISIONS			
1	Mainline Realignment, M.H. No. 2 Restationed		4/11/83
C1	M.H. Sta. Change		10/83
REF.	DESCRIPTION	APPR.	DATE

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: K.R.B.
DATE DRAWN: 9-82
CHECKED BY: A.G.K.

APPROVED BY: [signature] CHIEF ENGINEER R.E. NO. 12400
DATE: 2-15-84

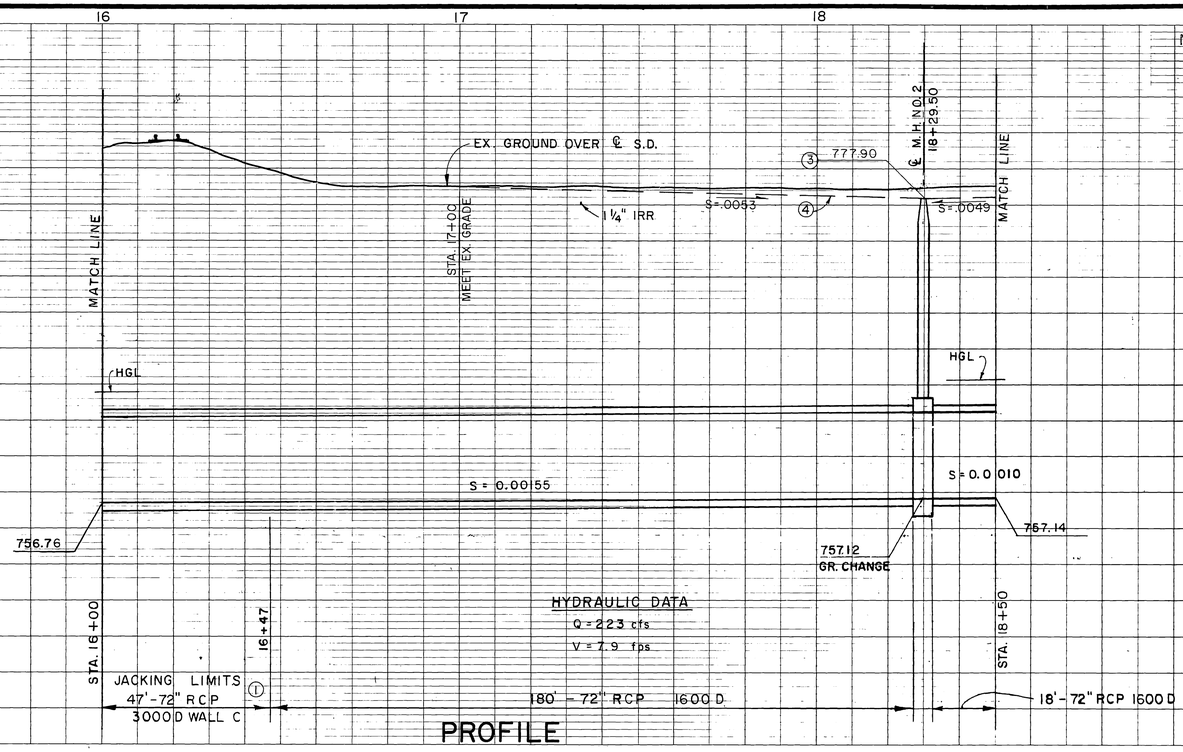
PHOENIX AVENUE STORM DRAIN
C.C.O. NO. 1
STA. 12+00 TO STA. 16+00
1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

INDEX WF

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 5 OF 60

D-447

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.

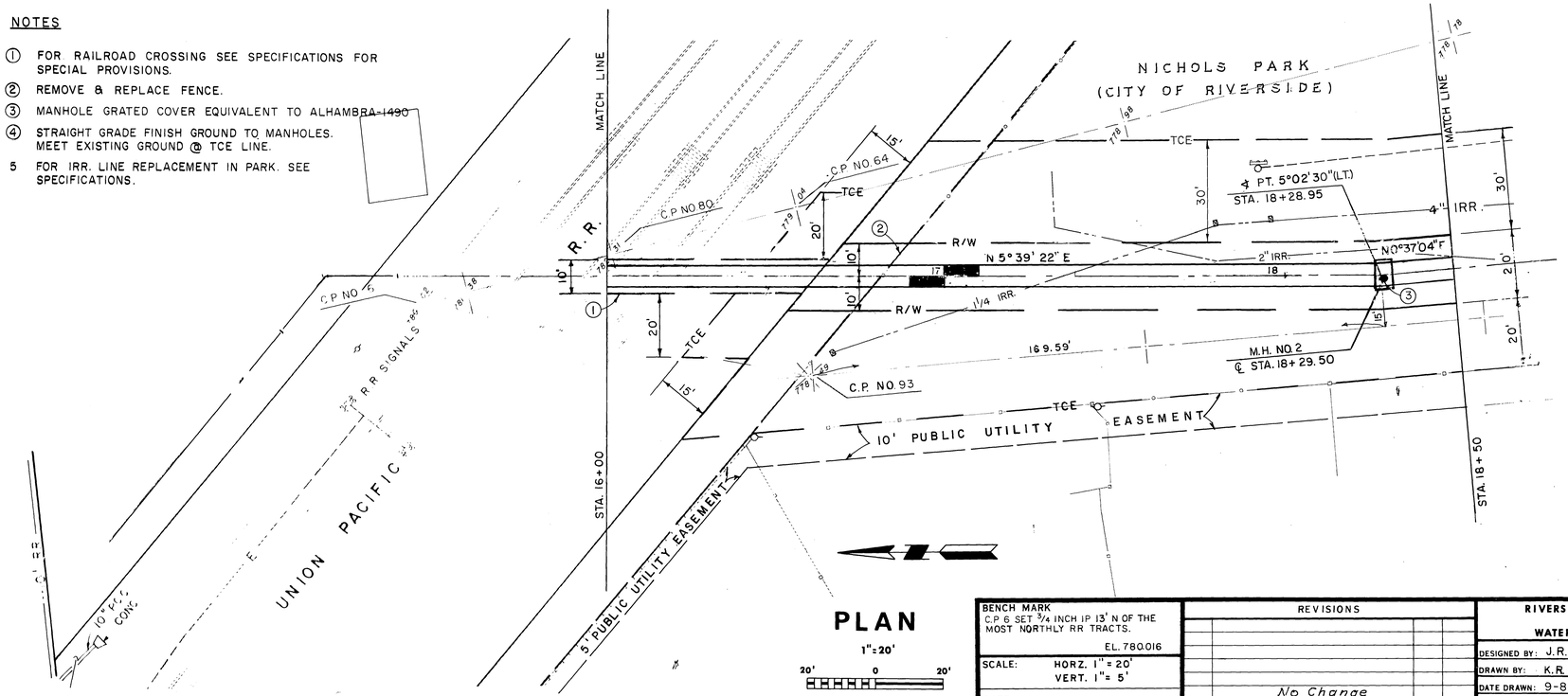


PROFILE

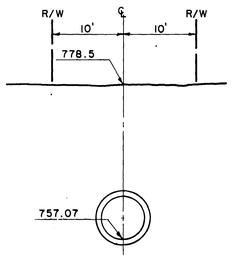
HYDRAULIC DATA
Q = 223 cfs
V = 7.9 fps

NOTES

① FOR RAILROAD CROSSING SEE SPECIFICATIONS FOR SPECIAL PROVISIONS.
② REMOVE & REPLACE FENCE.
③ MANHOLE GRATED COVER EQUIVALENT TO ALHAMBRA-1490
④ STRAIGHT GRADE FINISH GROUND TO MANHOLES. MEET EXISTING GROUND @ TCE LINE.
5 FOR IRR. LINE REPLACEMENT IN PARK. SEE SPECIFICATIONS.



PLAN
1"=20'
20' 0 20'



SECTION AT STA. 18+00
10' 0 10'

BENCH MARK C.P. 6 SET ¾ INCH IP 13' N OF THE MOST NORTHLY RR TRACTS. EL. 780.016	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN
SCALE: HORZ. 1" = 20' VERT. 1" = 5'		DESIGNED BY: J.R.C. DRAWN BY: K.R.B. DATE DRAWN: 9-82 CHECKED BY: A.G.K.	APPROVED BY: Kenneth L. Edwards CHIEF ENGINEER R.E. NO. 12400 DATE: 12-15-82
DATE:	REF. DESCRIPTION APPR. DATE No Change		STA. 16+00 TO STA. 18+50 1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

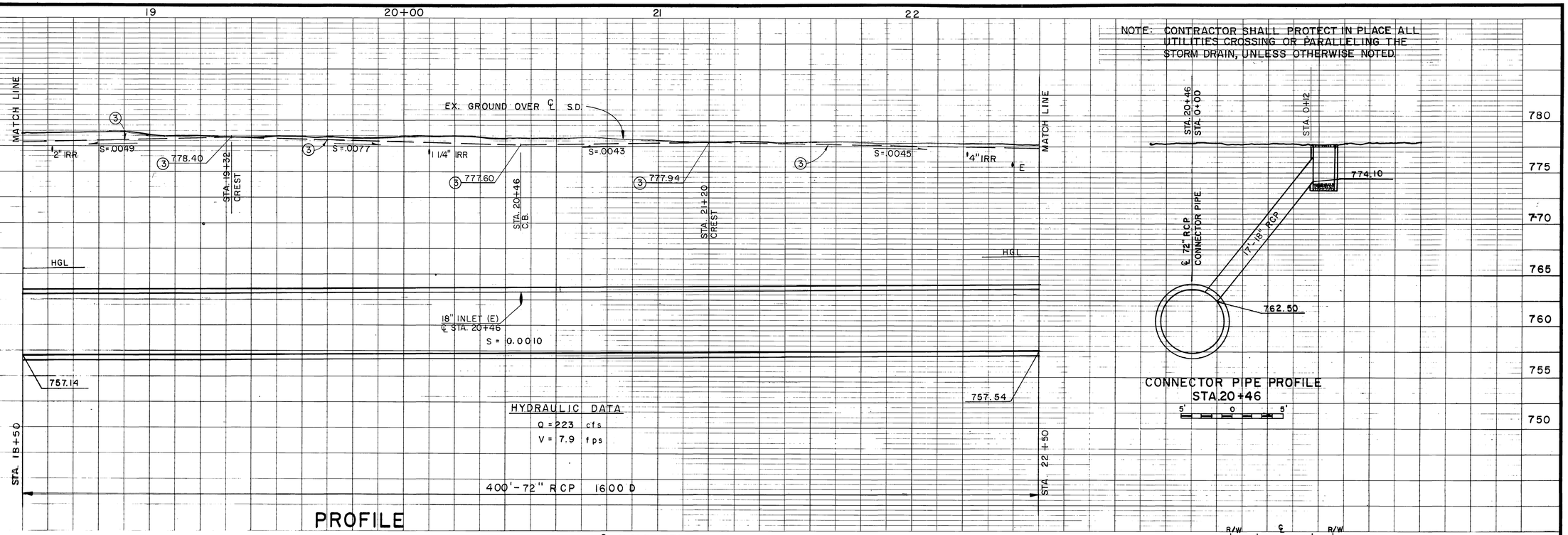
INDEX 6F

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 6 OF 60

AS BUILT

D-997

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.

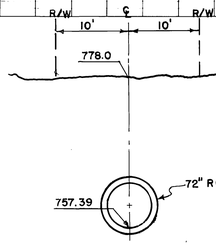


PROFILE

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.

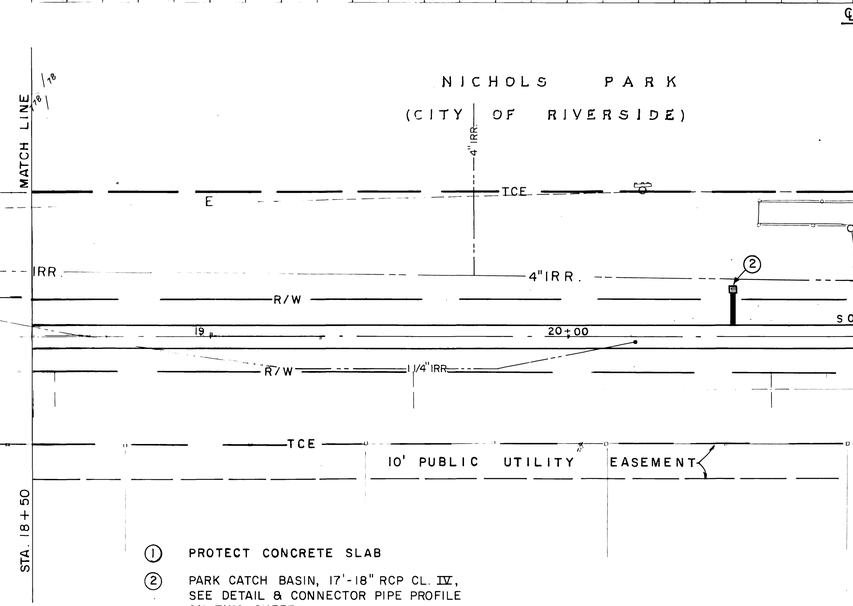
CONNECTOR PIPE PROFILE
STA. 20+46

5' 0 5'



SECTION AT STA. 21+00

10' 0 10'



① PROTECT CONCRETE SLAB

② PARK CATCH BASIN, 17'-18" RCP CL. III, SEE DETAIL & CONNECTOR PIPE PROFILE ON THIS SHEET.

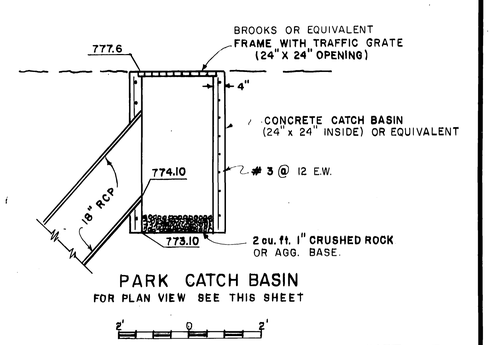
③ STRAIGHT GRADE FINISH GROUND TO CATCH BASIN. MEET EXISTING GROUND @ TCE LINE OR CONCRETE SLAB.

4 FOR IRR. LINE REPLACEMENTS IN PARK SEE SPECIFICATIONS.

PLAN

1"=20'

20' 0 20'



PARK CATCH BASIN
FOR PLAN VIEW SEE THIS SHEET

2' 0 2'

INDEX UF

BENCH MARK
TOP OF FINE HYD. S/W COR. OF INTERSECTION OF DEWEY AVE & PHOENIX AVE.
EL. 779.874

SCALE: HORZ: 1"= 20'
VERT: 1"= 5'

DATE:

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
	No Change		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY J.R.C.
DRAWN BY K.R.B.
DATE DRAWN: 9-82
CHECKED BY: A.G.K.

APPROVED BY:
CHIEF ENGINEER R.E. NO 12400
DATE: 12-15-82

PHOENIX AVENUE STORM DRAIN

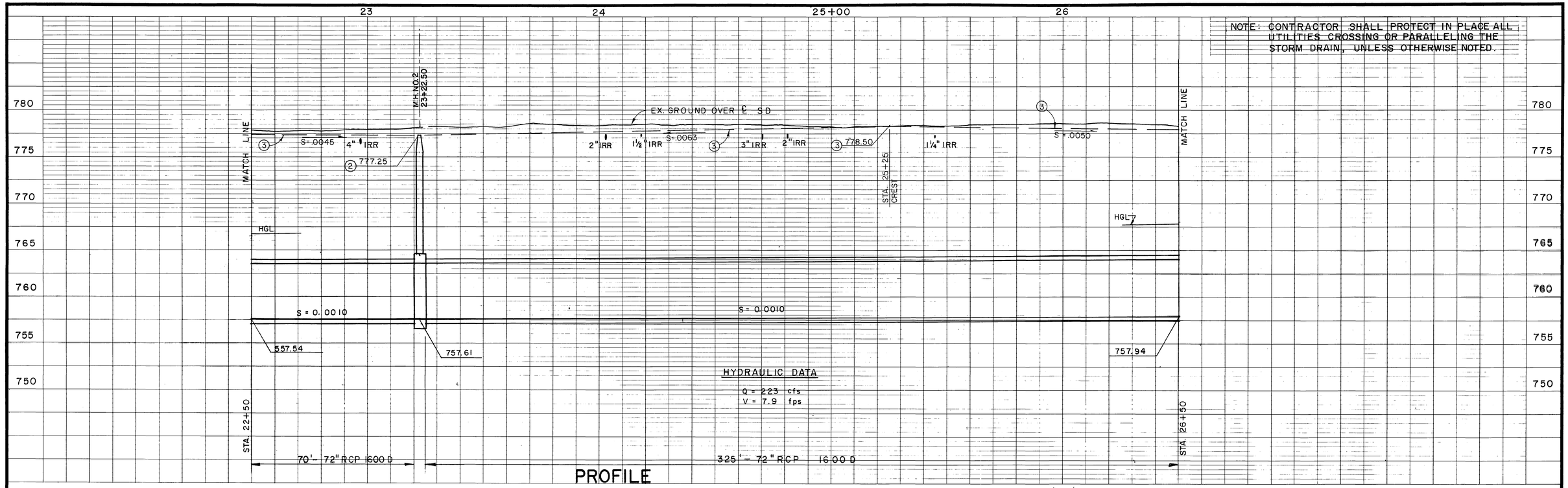
STA. 18+50 TO STA. 22+50

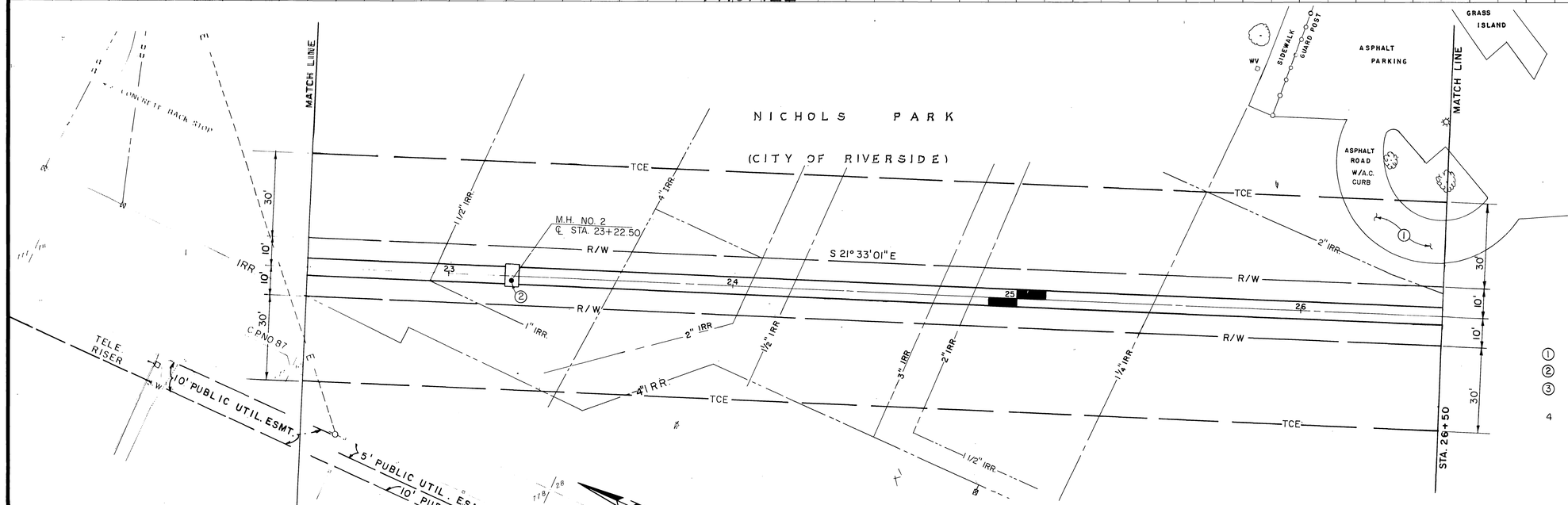
1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 7 OF 60

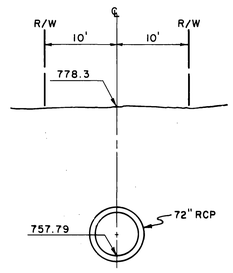
D-447

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.





PLAN
1"=20'
20' 0 20'



SECTION AT STA. 25+00
10' 0 10'

1. PROTECT IN PLACE.
2. MANHOLE GRATED COVER EQUIVALENT TO ALHAMBRA A-1490.
3. STRAIGHT GRADE FINISH GROUND TO MANHOLE. MEET EXISTING GROUND @ TCE LINE OR ASPHALT ROAD.
4. FOR IRR. LINE REPLACEMENT IN PARK SEE SPECIFICATIONS.

BENCH MARK
TOP OF FIRE HYD. S/W COR OF INTERSECTION OF DEWEY & PHOENIX AVE.
EL. 779.874

SCALE: HORZ. 1"= 20'
VERT. 1"= 5'

DATE:

REVISIONS

REF.	DESCRIPTION	APPR.	DATE
	No Change		

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: K.R.B.
DATE DRAWN: 9-82
CHECKED BY: A.G.K.

APPROVED BY: Kenneth L. Edwards
CHIEF ENGINEER R.E. NO. 12400
DATE: 12-15-82

PHOENIX AVENUE STORM DRAIN

STA. 22+50 TO STA. 26+50

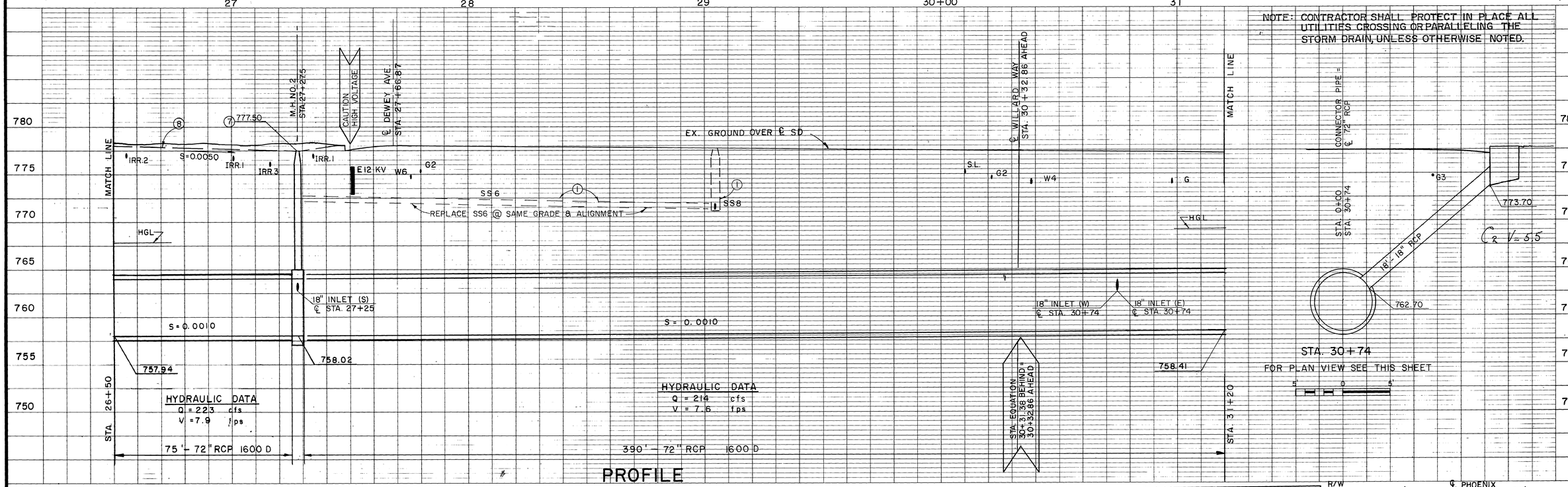
1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

INDEX 4F

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 8 OF 60

D-447

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.

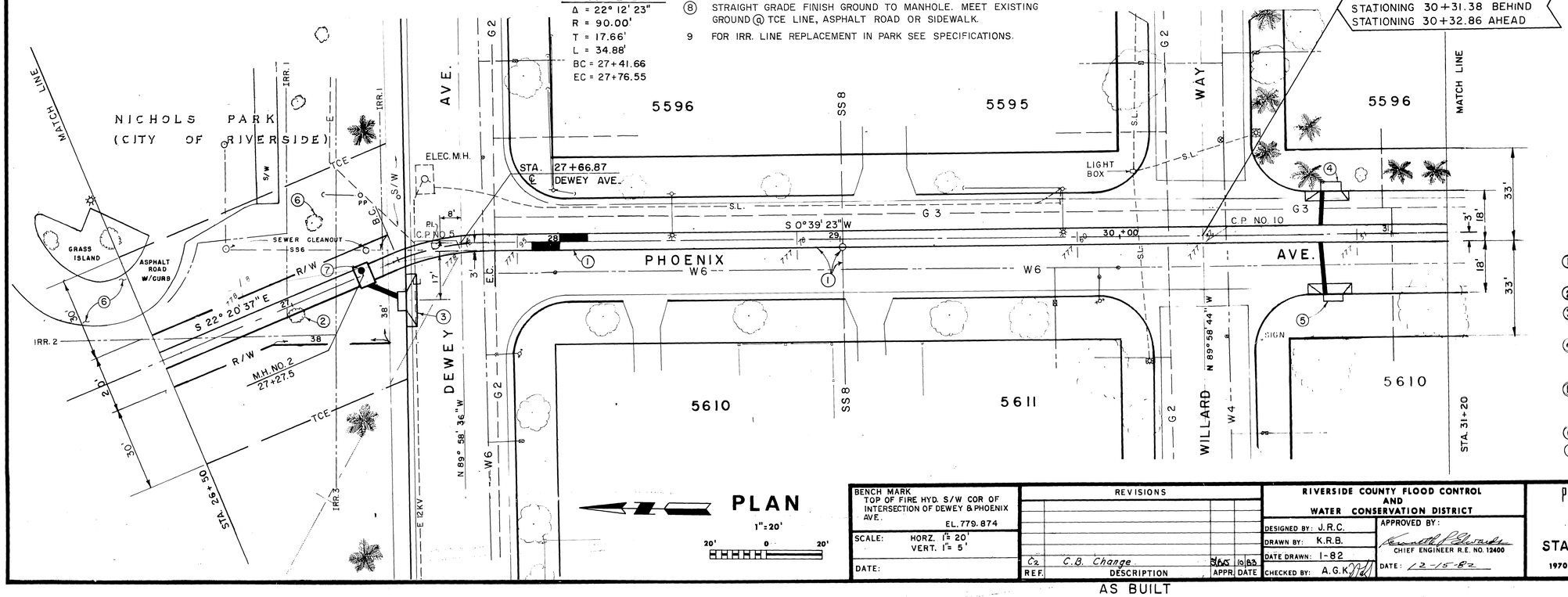


PROFILE

℄ CURVE DATA
Δ = 22° 12' 23"
R = 90.00'
T = 17.66'
L = 34.88'
BC = 27+41.66
EC = 27+76.55

8 STRAIGHT GRADE FINISH GROUND TO MANHOLE. MEET EXISTING GROUND @ TCE LINE, ASPHALT ROAD OR SIDEWALK.

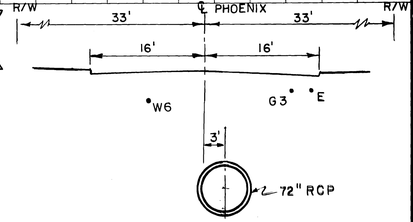
9 FOR IRR. LINE REPLACEMENT IN PARK SEE SPECIFICATIONS.



PLAN

1"=20'

STA. EQUATION ℄ WILLARD ℄ S.D
STATIONING 30+31.38 BEHIND
STATIONING 30+32.86 AHEAD



SECTION AT STA. 29+50

1. REMOVE & REPLACE INTERFERING PORTIONS OF SS6, SS8 AND MANHOLE.
2. REMOVE AND REPLACE 2" SYCAMORE.
3. CATCH BASIN NO. 1, 18'-18" RCP CL. IV, W=7', V=4', SEE CONNECTOR PIPE PROFILE SHT. 26 CASE "C" L.D.
4. CATCH BASIN NO. 1, W=7', V=4', 18'-18" RCP CL. IV. SEE THIS SHEET FOR CONNECTOR PIPE PROFILE.
5. CATCH BASIN NO. 1, W=7', V=4', 23'-18" RCP, CL. IV. SEE SHEET 26 FOR CONNECTOR PIPE PROFILE.
6. PROTECT IN PLACE.
7. MANHOLE GRATED COVER EQUIVALENT TO ALHAMBRA A-1490.

INDEX W5

BENCH MARK
TOP OF FIRE HYD. S/W COR OF INTERSECTION OF DEWEY & PHOENIX AVE.
EL. 779.874

SCALE: HORZ. 1"= 20'
VERT. 1"= 5'

DATE:

REVISIONS

REF.	DESCRIPTION	APPR	DATE
C2	C.B. Change	SMS	10/83

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: K.R.B.
DATE DRAWN: 1-82
CHECKED BY: A.G.K.

APPROVED BY:
CHIEF ENGINEER R.E. NO. 12400
DATE: 12-15-82

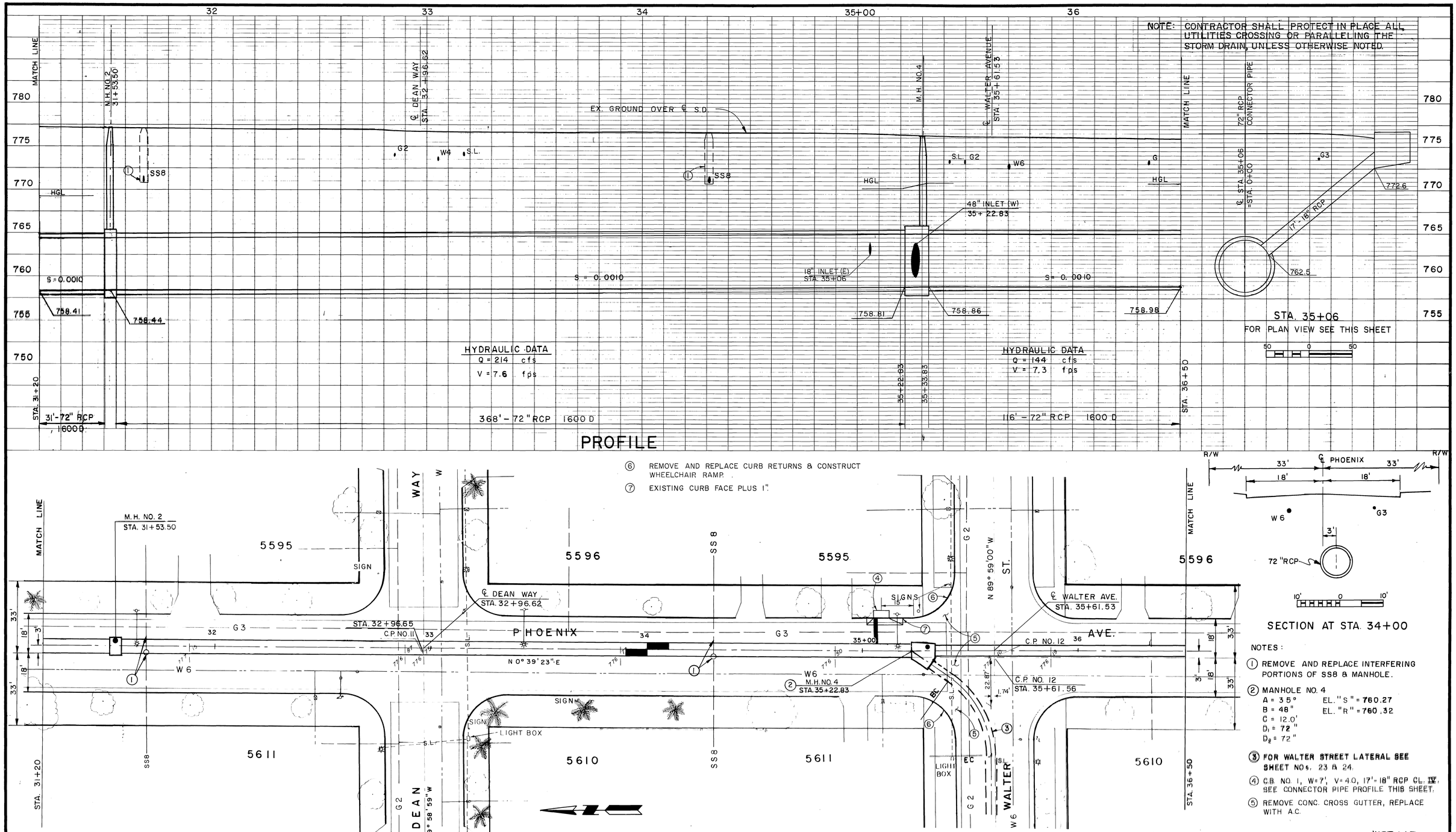
PHOENIX AVENUE STORM DRAIN

STA. 26+50 TO STA. 31+20

1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 9 OF 60

D-997



BENCH MARK BM X-CUT TOP OF HYD. N.W. COR DEAN WAY AND PHOENIX EL. = 779.160	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN
SCALE: HORZ. 1" = 20' VERT. 1" = 5'	No Change	DESIGNED BY: J.R.C. DRAWN BY: K.R.B. DATE DRAWN: 9-82 CHECKED BY: A.G.K.	APPROVED BY: CHIEF ENGINEER R.E. NO. 12400 DATE: 12-15-82
DATE:	REF. DESCRIPTION APPR. DATE		STA. 31+20 TO STA. 36+50 1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

INDEX 45

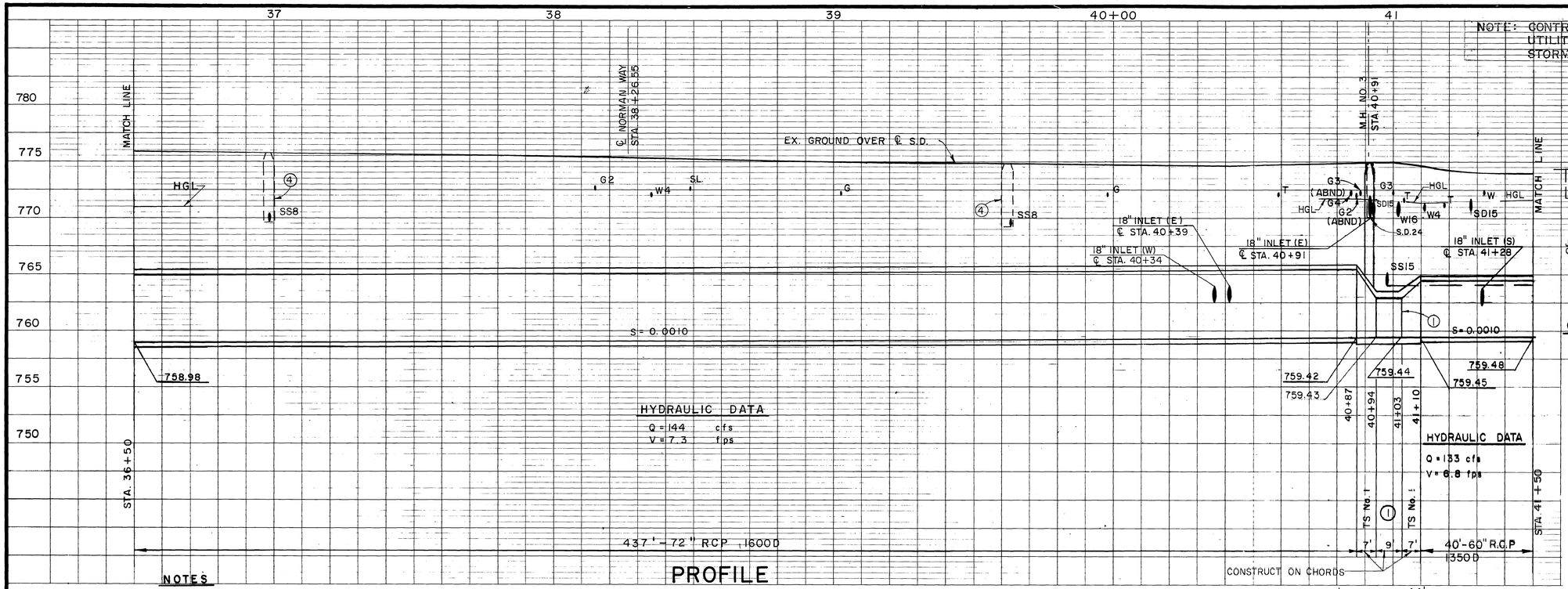
PROJECT NO. 1-0-240

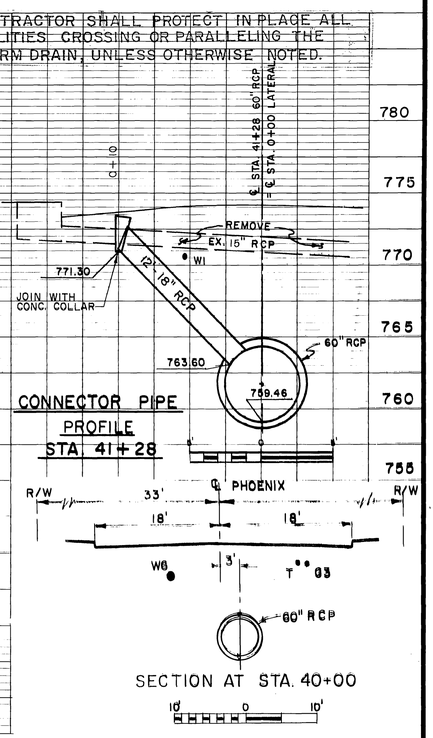
DRAWING NO. 1-394

SHEET NO. 10 OF 60

AS BUILT

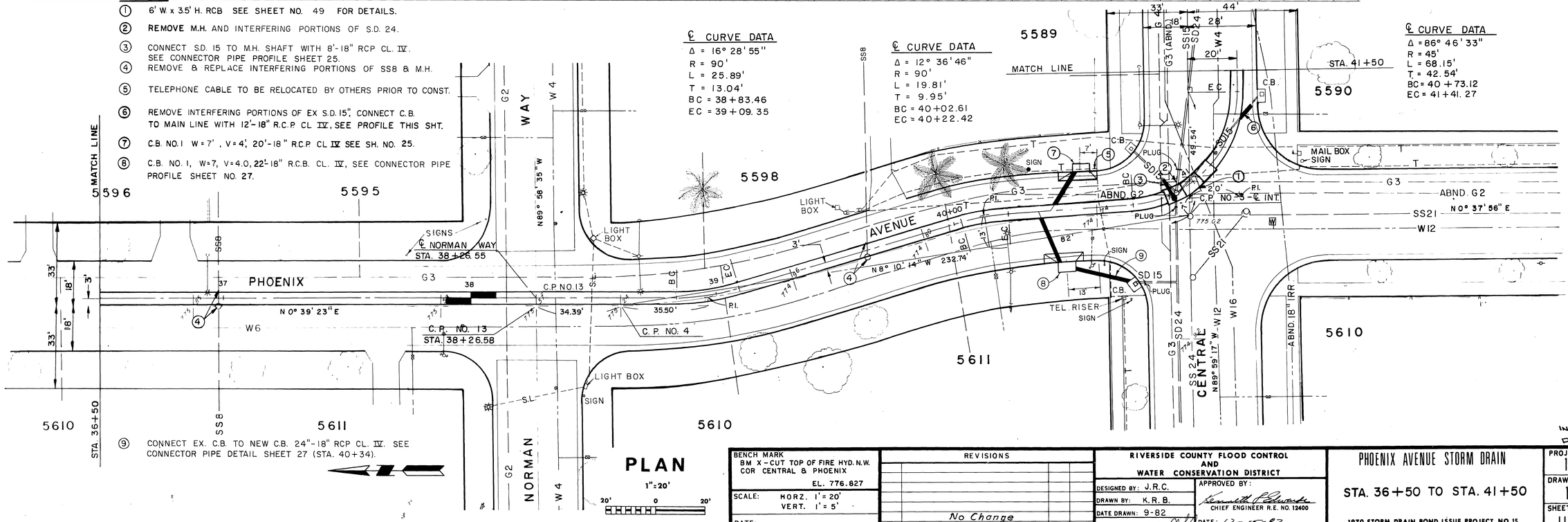
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.





NOTES

1. 6' W. x 3.5' H. RCB SEE SHEET NO. 49 FOR DETAILS.
2. REMOVE M.H. AND INTERFERING PORTIONS OF S.D. 24.
3. CONNECT S.D. 15 TO M.H. SHAFT WITH 8'-18" RCP CL. IV. SEE CONNECTOR PIPE PROFILE SHEET 25.
4. REMOVE & REPLACE INTERFERING PORTIONS OF SS8 & M.H.
5. TELEPHONE CABLE TO BE RELOCATED BY OTHERS PRIOR TO CONST.
6. REMOVE INTERFERING PORTIONS OF EX S.D. 15", CONNECT C.B. TO MAIN LINE WITH 12'-18" R.C.P CL IV, SEE PROFILE THIS SHT.
7. C.B. NO. 1 W = 7', V = 4', 20'-18" R.C.P. CL IV SEE SH. NO. 25.
8. C.B. NO. 1, W=7, V=4.0, 22'-18" R.C.B. CL. IV, SEE CONNECTOR PIPE PROFILE SHEET NO. 27.
9. CONNECT EX. C.B. TO NEW C.B. 24"-18" RCP CL. IV. SEE CONNECTOR PIPE DETAIL SHEET 27 (STA. 40+34).



BENCH MARK	BM X-CUT TOP OF FIRE HYD. N.W. COR CENTRAL & PHOENIX EL. 776.827
SCALE:	HORZ. 1'=20' VERT. 1'=5'
DATE:	

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
	No Change		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: K.R.B.
DATE DRAWN: 9-82
CHECKED BY: A.G.K.

APPROVED BY: Kenneth A. Edwards, CHIEF ENGINEER R.E. NO. 12400
DATE: 12-15-82

PHOENIX AVENUE STORM DRAIN

STA. 36+50 TO STA. 41+50

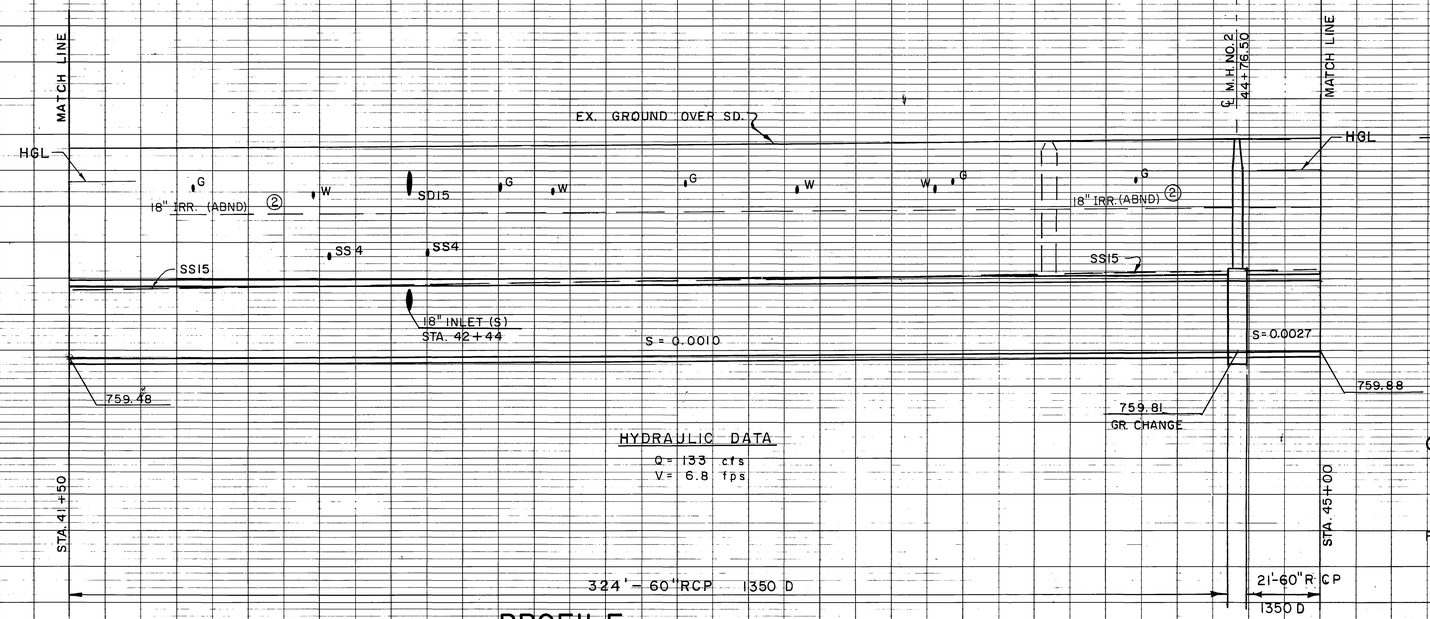
1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

INDEX NO. D-947

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 11 OF 60

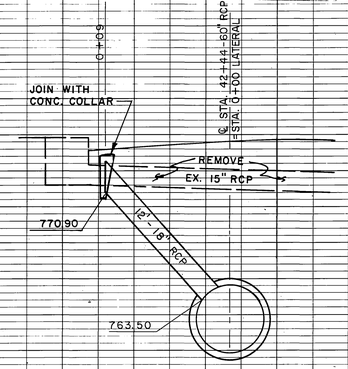
AS BUILT

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



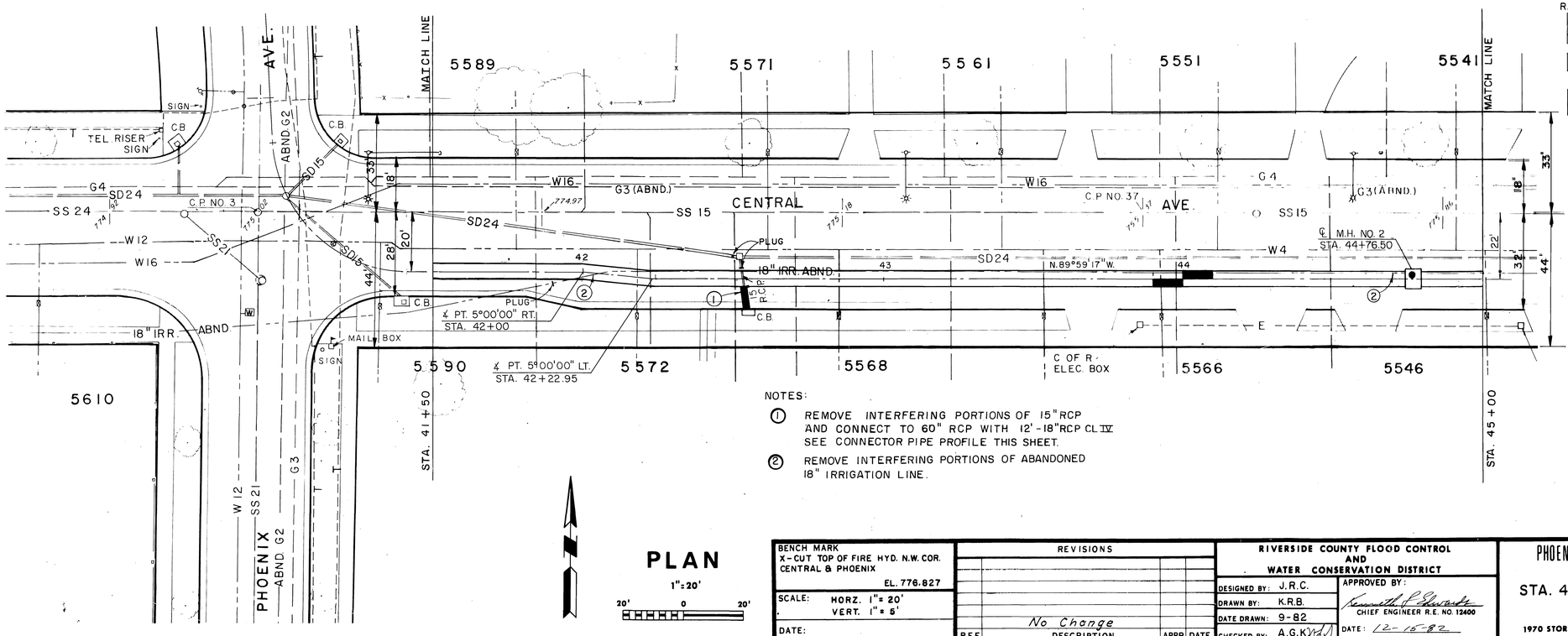
PROFILE

HYDRAULIC DATA
Q = 133 cfs
V = 6.8 fps



CONNECTOR PIPE PROFILE

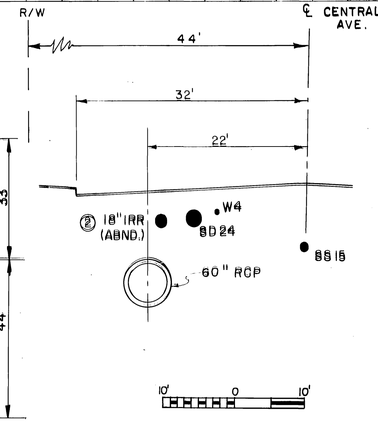
STA. 42+44
FOR PLAN VIEW SEE THIS SHEET



NOTES:

① REMOVE INTERFERING PORTIONS OF 15" RCP AND CONNECT TO 60" RCP WITH 12'-18" RCP CL IV. SEE CONNECTOR PIPE PROFILE THIS SHEET.

② REMOVE INTERFERING PORTIONS OF ABANDONED 18" IRRIGATION LINE.



SECTION AT STA. 45+00

PLAN

1"=20'
20' 0 20'

BENCH MARK	X-CUT TOP OF FIRE HYD. N.W. COR. CENTRAL & PHOENIX EL. 776.827
SCALE:	HORZ. 1"= 20' VERT. 1"= 5'
DATE:	

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
	No Change		

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY:	J.R.C.
DRAWN BY:	K.R.B.
DATE DRAWN:	9-82
CHECKED BY:	A.G.K.
APPROVED BY:	Kenneth P. Edwards, CHIEF ENGINEER R.E. NO. 12400
DATE:	12-15-82

PHOENIX AVENUE STORM DRAIN

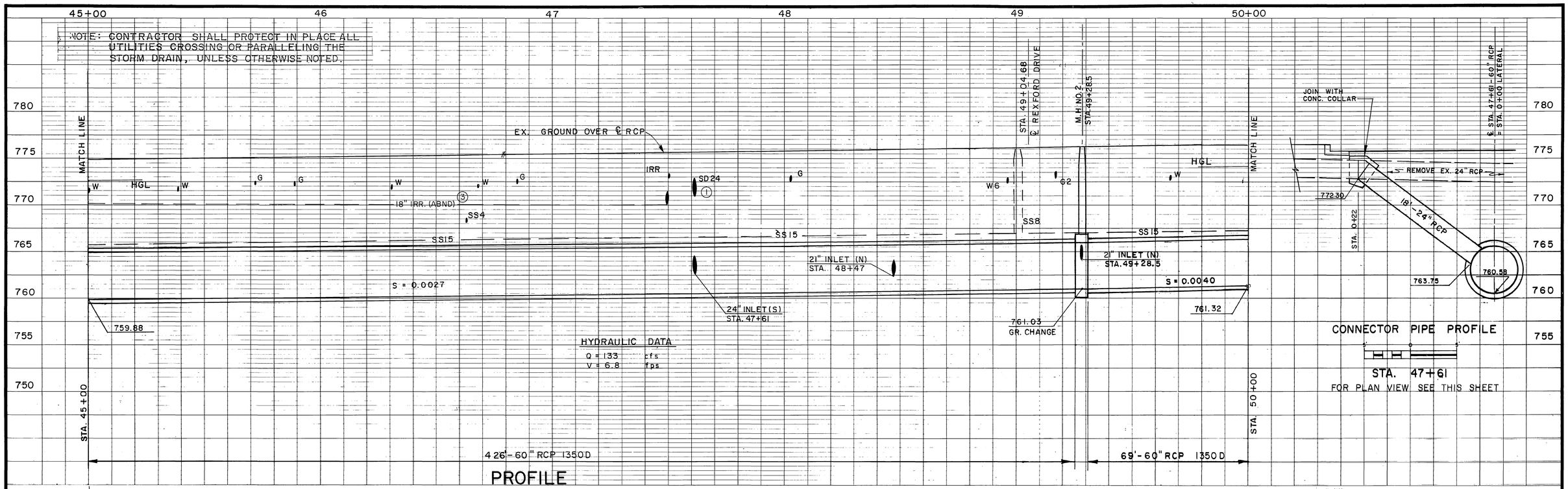
STA. 41+50 TO STA. 45+00

1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

INDEX 45

PROJECT NO.	1-0-240
DRAWING NO.	1-394
SHEET NO.	12 OF 60

D-6447



NOTES:

1. REMOVE INTERFERING PORTIONS OF 24" RCP AND CONNECT TO MAINLINE WITH 18'-24" RCP CL IV. SEE CONNECTOR PIPE PROFILE THIS SHEET.
2. REMOVE EX. MANHOLE & INTERFERING PORTIONS OF 24" S.D.; PLUG S.D.
3. REMOVE INTERFERING 18" IRR. LINE.
4. CATCH BASIN NO. 1, V = 4.0', W = 14', 38'-18" RCP CL IV, SEE CONNECTOR PIPE PROFILE SHEET NO. 25.
5. CATCH BASIN NO. 1, V = ~~4.5'~~ 5.5', Vi = 4.2' W = 7', 42'-21" RCP CL. IV, SEE CONNECTOR PIPE PROFILE SHEET NO. 25.
6. CATCH BASIN NO 1, V = 3.5', W = 10', 31'-18" RCP CL. IV, SEE CONNECTOR PIPE PROFILE SHEET NO. 27.
7. RELOCATE ANCHOR BY OTHERS.

PLAN

1" = 20'

20' 0 20'

BENCH MARK	REVISIONS			RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN	INDEX LF
SET RCFC TBM TAG BY LAMP POST S.W. COR. REXFORD & CENTRAL AVE. EL. 776.336				DESIGNED BY: J.R.C	STA. 45+00 TO STA. 50+00	PROJECT NO. 1-0-240
SCALE: HORZ. 1" = 20' VERT. 1" = 5'				DRAWN BY: K.R.B.		DRAWING NO. 1-394
	C3	C.B. Change	10/83	DATE DRAWN: 10-82	1970 STORM DRAIN BOND ISSUE PROJECT NO. 15	SHEET NO. 13 OF 60
DATE:	REF.	DESCRIPTION	APPR. DATE	CHECKED BY: A.G.K.		

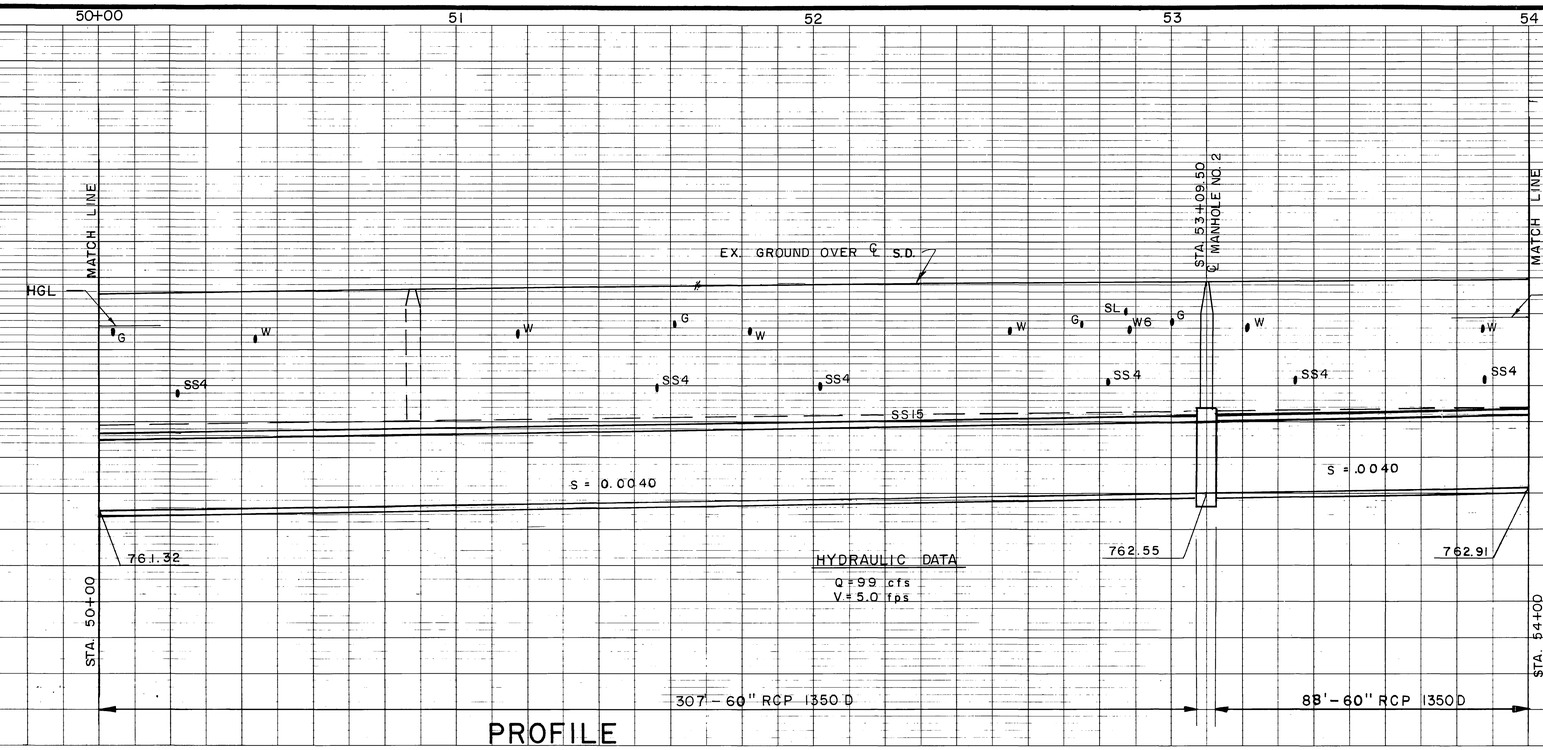
APPROVED BY: Kenneth P. Edwards, CHIEF ENGINEER R.E. NO. 12400

DATE: 12-15-82

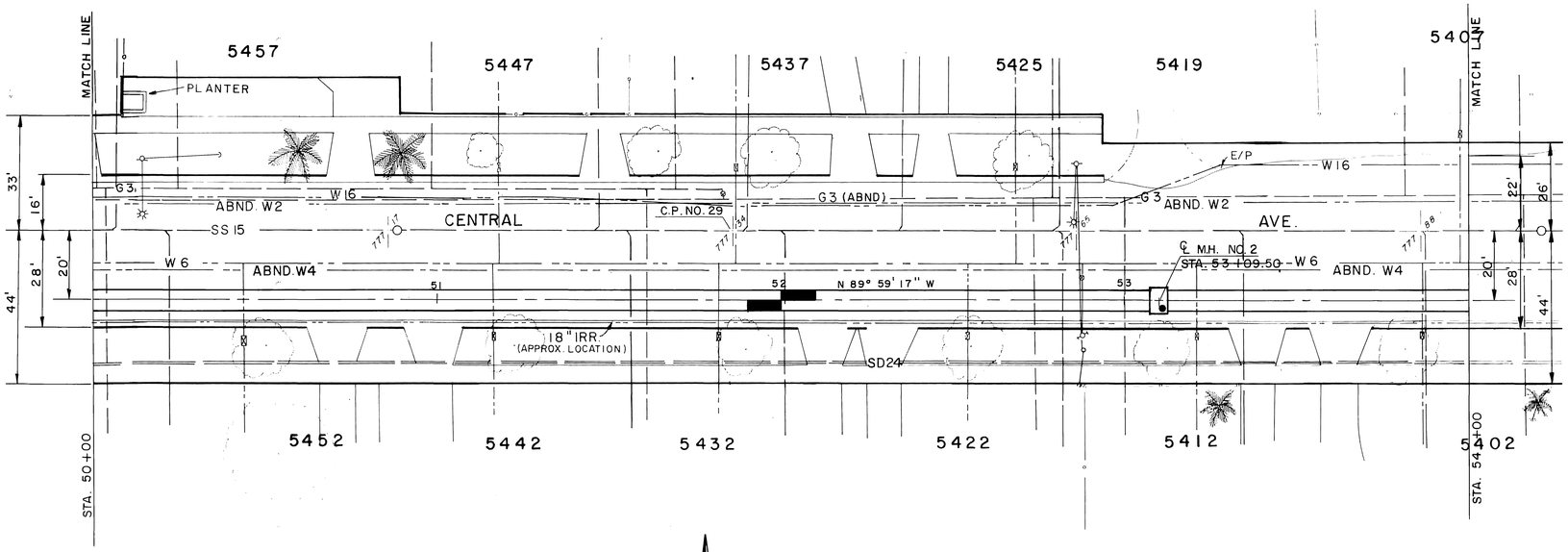
AS BUILT

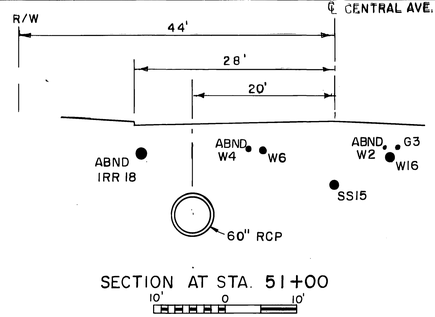
D-447

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



PROFILE





SECTION AT STA. 51+00
10' 0 10'

PLAN
1" = 20'
20' 0 20'

BENCH MARK	SET R.C.F.C. TBM BY LAMPPOST S.W. COR REXFORD & CENTRAL EL 776.341
SCALE:	HORZ. 1" = 20' VERT. 1" = 5'
DATE:	

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
	No. Change		
AS BUILT			

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.	APPROVED BY: Kenneth Edwards
DRAWN BY: K R B	CHIEF ENGINEER R.E. NO. 12400
DATE DRAWN: 9-82	DATE: 12-15-82
CHECKED BY: A.G.K.	

PHOENIX AVENUE STORM DRAIN

STA. 50+00 TO STA. 54+00

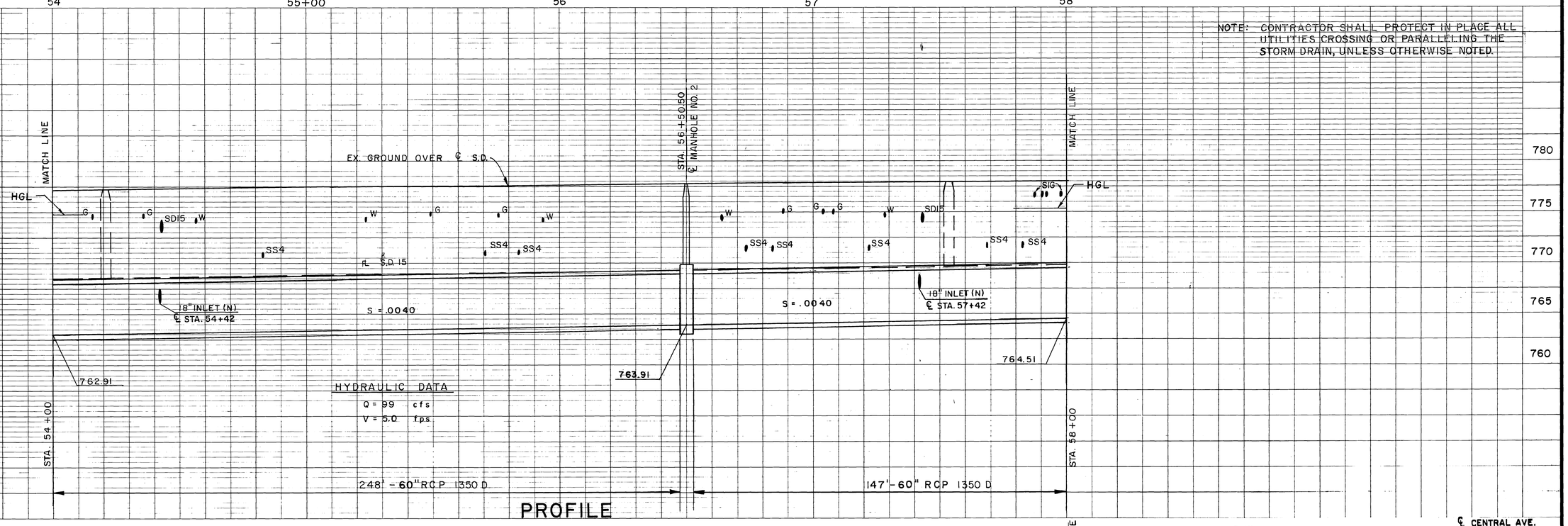
1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

INDEX 5

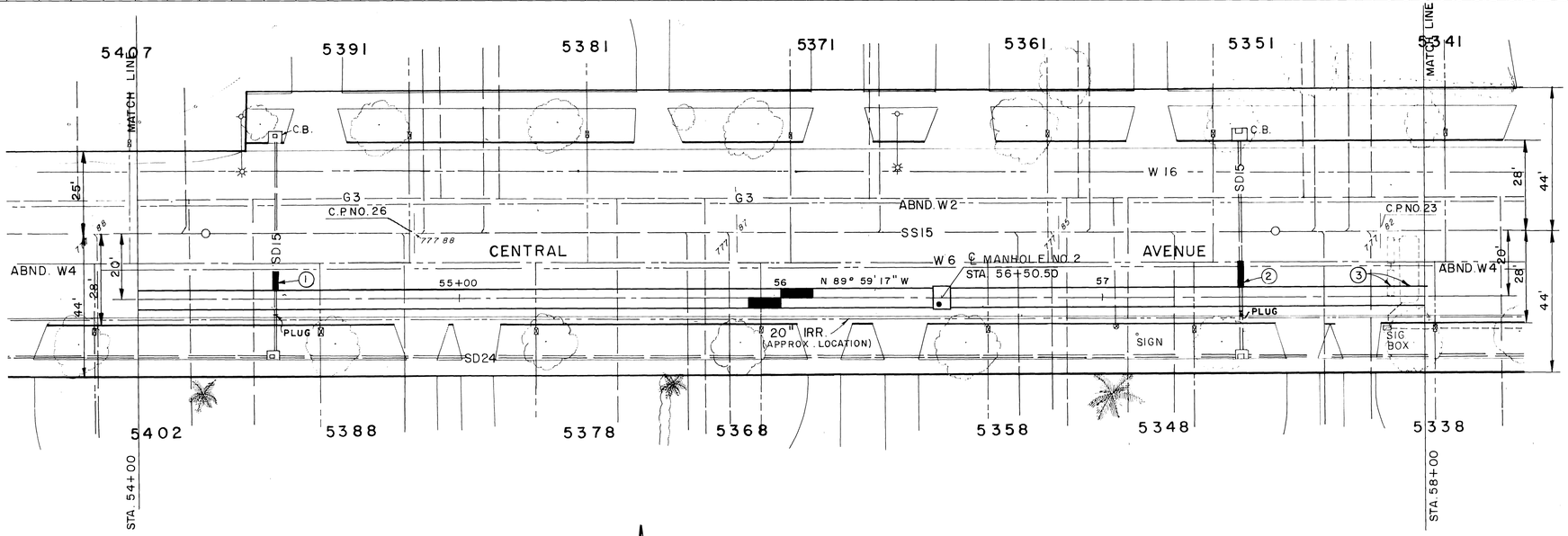
PROJECT NO.	1-0-240
DRAWING NO.	1-394
SHEET NO.	14 OF 60

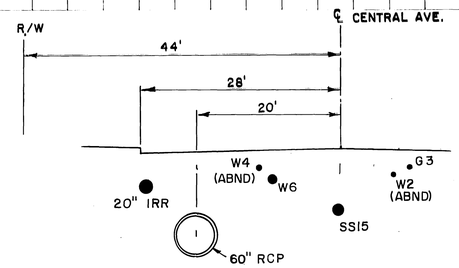
D-387

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



PROFILE





SECTION AT STA. 56+00

10' 0 10'

(1) CONNECT S.D. 15" TO MAINLINE WITH 8'-18" R.C.P. CL IV. SEE CONNECTOR PIPE PROFILE SHEET NO. 26.

(2) CONNECT S.D. 15" TO MAINLINE WITH 8'-18" R.C.P CL IV. SEE CONNECTOR PIPE PROFILE SHEET NO. 26.

(3) REMOVE AND REPLACE DETECTOR LOOPS WITH 2-6' x 6' DETECTOR LOOPS.

PLAN

1"=20'

20' 0 20'

INDEX MAP

BENCH MARK
BRASS DISK H5-C IN WELL STREETER AND CENTRAL
EL 777.794

SCALE: HORZ. 1"= 20'
VERT. 1"= 5'

DATE:

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
	No Change		

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: K R B
DATE DRAWN: 9-82
CHECKED BY: A.G.K.

APPROVED BY:
CHIEF ENGINEER R.E. NO. 12400
DATE: 12-15-82

PHOENIX AVENUE STORM DRAIN

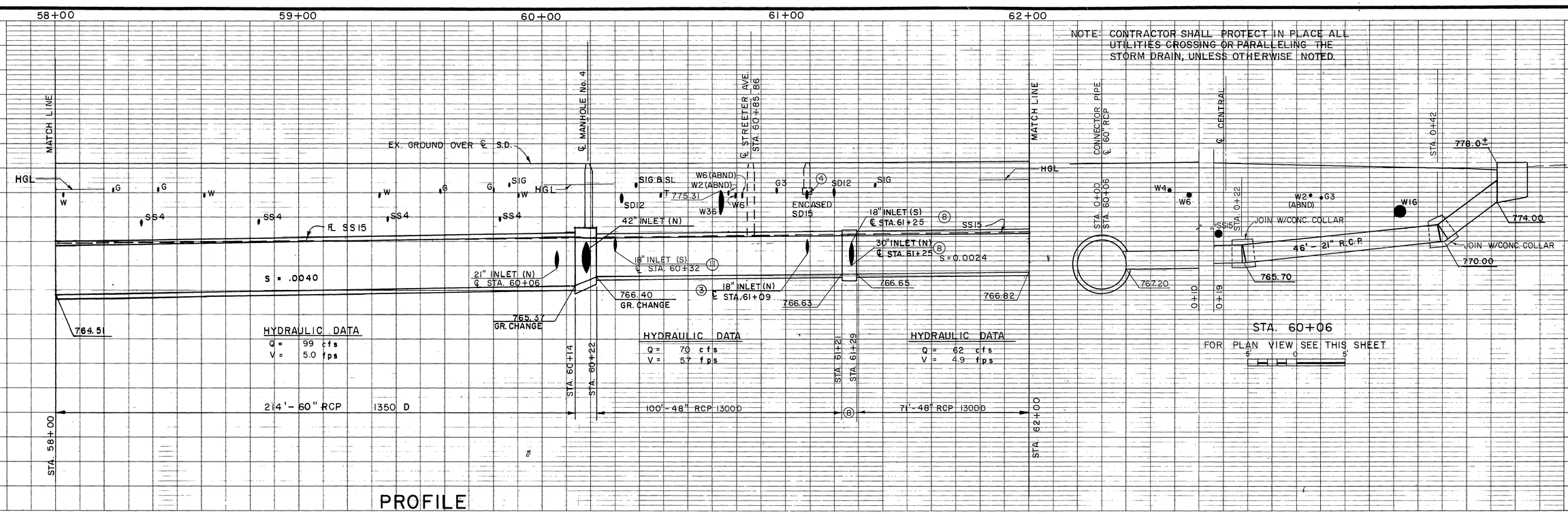
STA. 54+00 TO STA. 58+00

1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

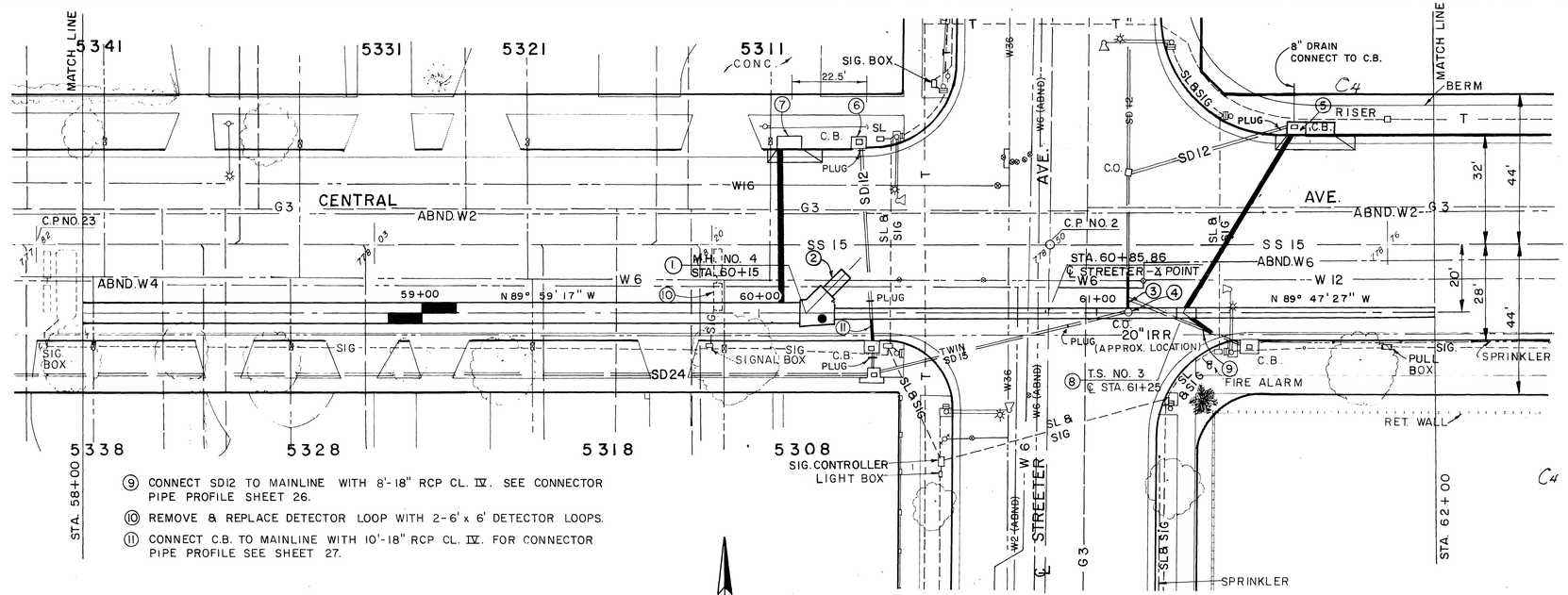
PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 15 OF 60

D-427

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



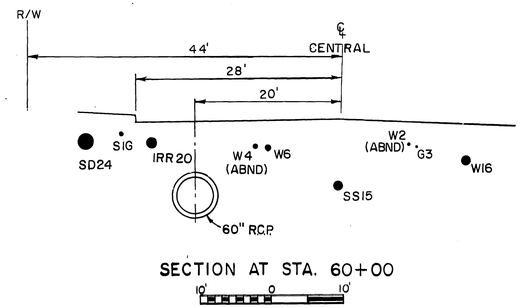
PROFILE



PLAN

1"=20'

20' 0 20'



SECTION AT STA. 60+00

10' 0 10'

(1) M.H. NO. 4, A=45°, B=42", C=8.0', D_2=48", D_1=60", E=7.1', EL. "R"= 766.68, EL. "S"= 766.65.

(2) PLACE 8'-42" R.C.P. 1200D. S=.003 ON M.H. NO. 4 LATERAL; WITH CONC. BULKHEAD.

(3) CONNECT EX. 12" R.C.P. TO MAINLINE WITH 16'-18" R.C.P. CLASS IV. SEE CONNECTOR PIPE PROFILE SHEET 26.

(4) REMOVE M.H. 8, INTERFERING PORTIONS OF S.D.

(5) C.B. NO. 1, W=~~7'~~ 7', V=5.0', 58'-30" R.C.P. 1350 D. REMOVE INTERFERING PORTIONS OF EX. C.B. SEE PROFILE SHEET NO. 26. C.B. A^1= 22".

(6) REMOVE EXISTING CATCH BASIN.

(7) C.B. NO. 1, W=7', V=4.0', 46'-21" R.C.P. CL. IV. SEE THIS SHEET FOR CONNECTOR PIPE PROFILE.

(8) T.S. NO. 3
N. SIDE - A=58°, B=30", C=5.3', D=48", L=8.0' EL. "R"= 767.75, EL. "S"= 767.64
S. SIDE - A=36°, B=18", C=7.0', D=48", L=8.0' EL. "R"= 772.00, EL. "S"= 769.50

(9) CONNECT SD12 TO MAINLINE WITH 8'-18" RCP CL. IV. SEE CONNECTOR PIPE PROFILE SHEET 26.

(10) REMOVE & REPLACE DETECTOR LOOP WITH 2-6'x 6' DETECTOR LOOPS.

(11) CONNECT C.B. TO MAINLINE WITH 10'-18" RCP CL. IV. FOR CONNECTOR PIPE PROFILE SEE SHEET 27.

INDEX MAP

BENCH MARK
BRASS DISK H5-C IN WELL STREETER & CENTRAL
EL. 777.794

SCALE: HORZ. 1"= 20'
VERT. 1"= 5'

DATE:

REVISIONS

REF.	DESCRIPTION	APPR.	DATE
C4	C.B. Change	JDS	10/83

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: K.R.B.
DATE DRAWN: 5-82
CHECKED BY: A.G.K.

APPROVED BY:
CHIEF ENGINEER R.E. NO. 12400
DATE: 12-15-82

PHOENIX AVENUE STORM DRAIN

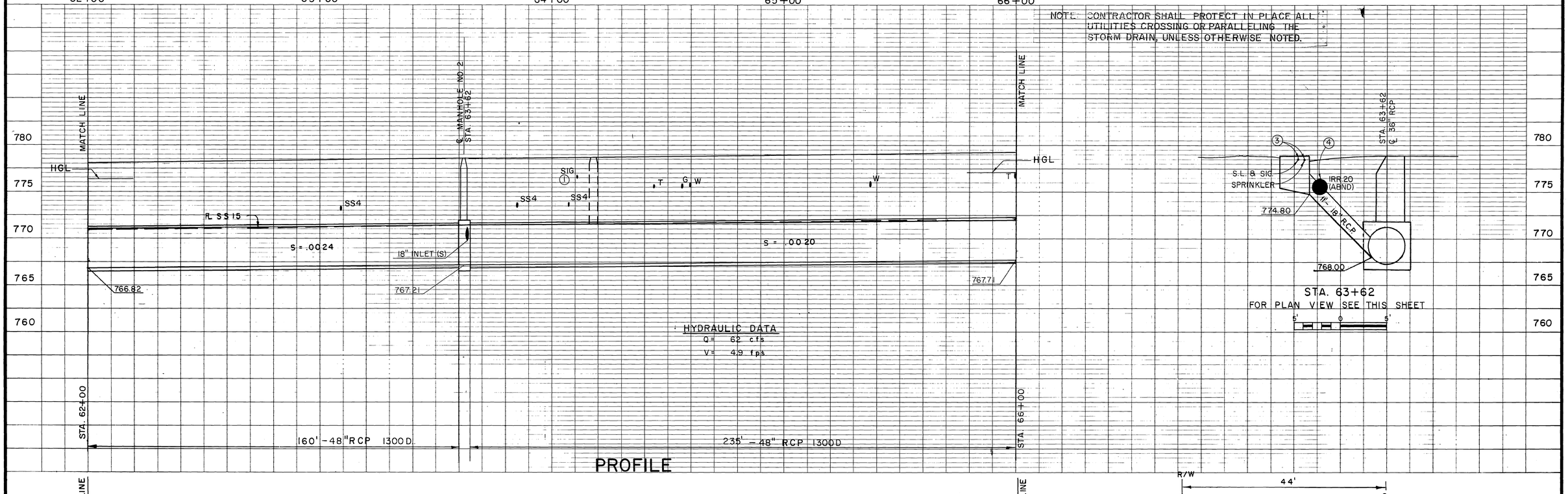
STA. 58+00 TO STA. 62+00

1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 16 OF 60

B-4477

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.

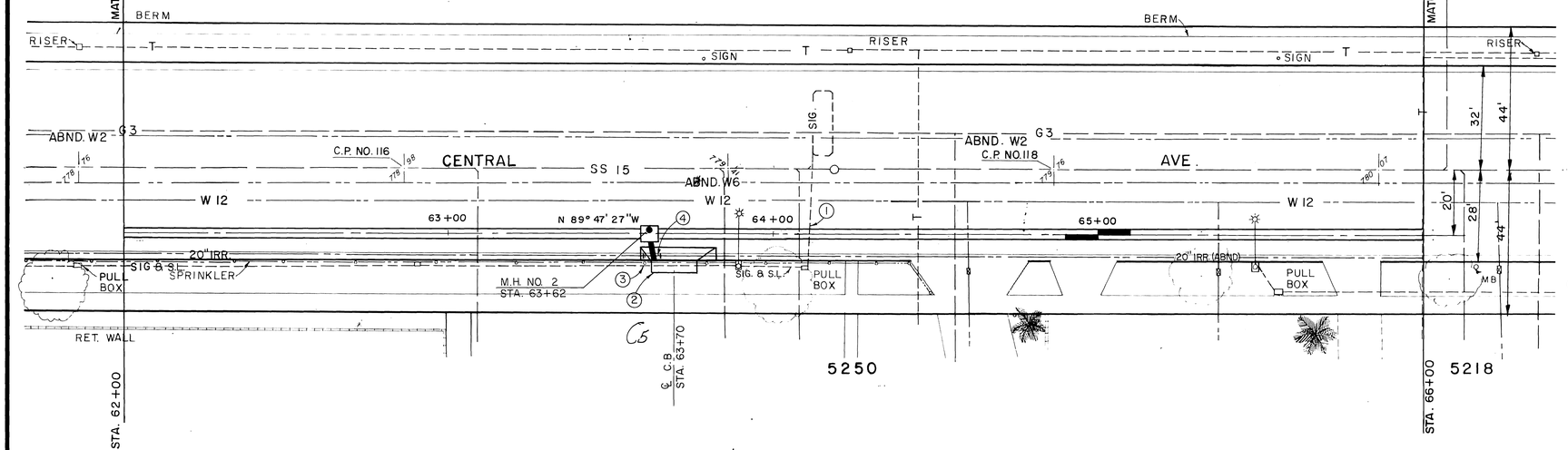


PROFILE

HYDRAULIC DATA
Q = 62 cfs
V = 4.9 fps

STA. 63+62
FOR PLAN VIEW SEE THIS SHEET

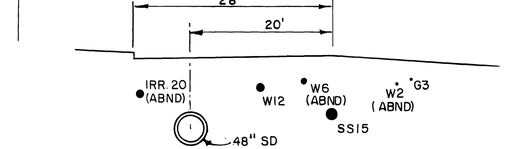
5' 0 5'



PLAN

1"=20'

20' 0 20'



SECTION AT STA. 65+00

10' 0 10'

NOTES

1. PROTECT SIGNAL WIRE, IN PLACE.
2. C.B. NO. 1, W=14', V=~~5~~ 6', 11'-18" RCP, CL. IV. SEE THIS SHEET FOR CONNECTOR PIPE PROFILE.
3. RELOCATE SPRINKLER, SIGNAL CONDUIT AND S.L.
4. REMOVE INTERFERING PORTIONS IRR20. PLUG ENDS.

BENCH MARK
BRASS DISK H5-C IN WELL. STREETER & CENTRAL AVE.
EL. 777.794

SCALE: HORZ. 1" = 20'
VERT. 1" = 5'

DATE:

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
C5	C.B. Change	BDKS	10-83

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: K.R.B.
DATE DRAWN: 2-82
CHECKED BY: A.G.K.

APPROVED BY:
Kenneth L. Ellsworth
CHIEF ENGINEER R.E. NO. 12400
DATE: 12-15-82

PHOENIX AVENUE STORM DRAIN

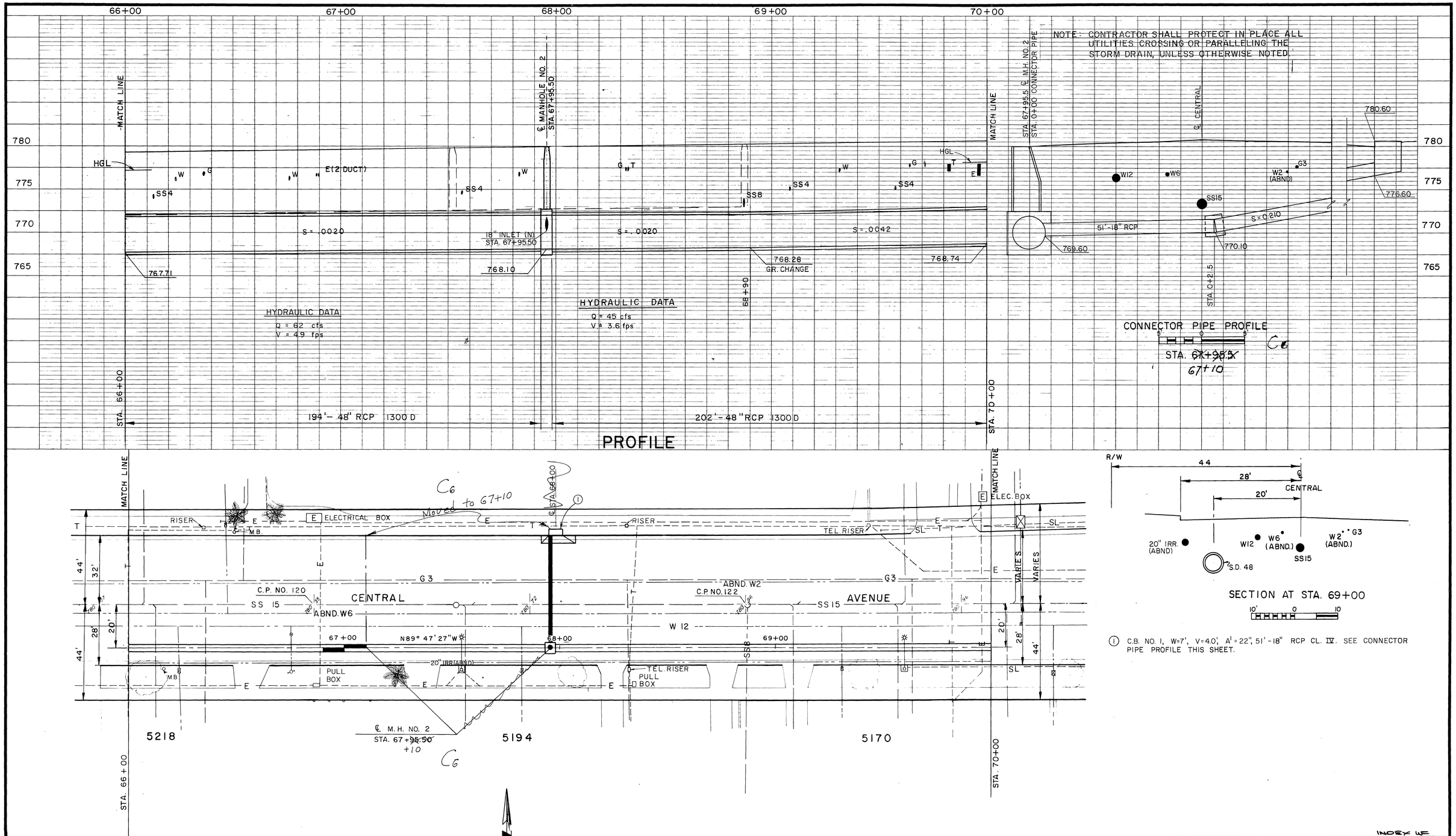
STA. 62+00 TO STA. 66+00

1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

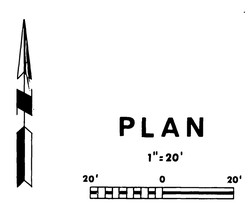
INDEX 6F

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 17 OF 60

D-447



① C.B. NO. 1, W=7', V=4.0', A'=22", 51'-18" RCP CL. IV. SEE CONNECTOR PIPE PROFILE THIS SHEET.



BENCH MARK SET RCFC TAG & CONC. NAIL IN FRONT OF STREET LIGHT IN EX. CONC. BASE S.E. COR. CENTRAL & CAPISTRANO. EL. 781.822	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN
SCALE: HORZ. 1" = 20' VERT. 1" = 5'		DESIGNED BY: J.R.C. DRAWN BY: K.R.B. DATE DRAWN: 9-82 CHECKED BY: A.G.K.	APPROVED BY: Kenneth P. Edwards CHIEF ENGINEER R.E. NO. 12400 DATE: 12-15-82
DATE:	C6 M.H. No. 2 Sta. Change (REF. / DESCRIPTION / APPR. / DATE) 10/83		STA. 66+00 TO STA. 70+00 1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

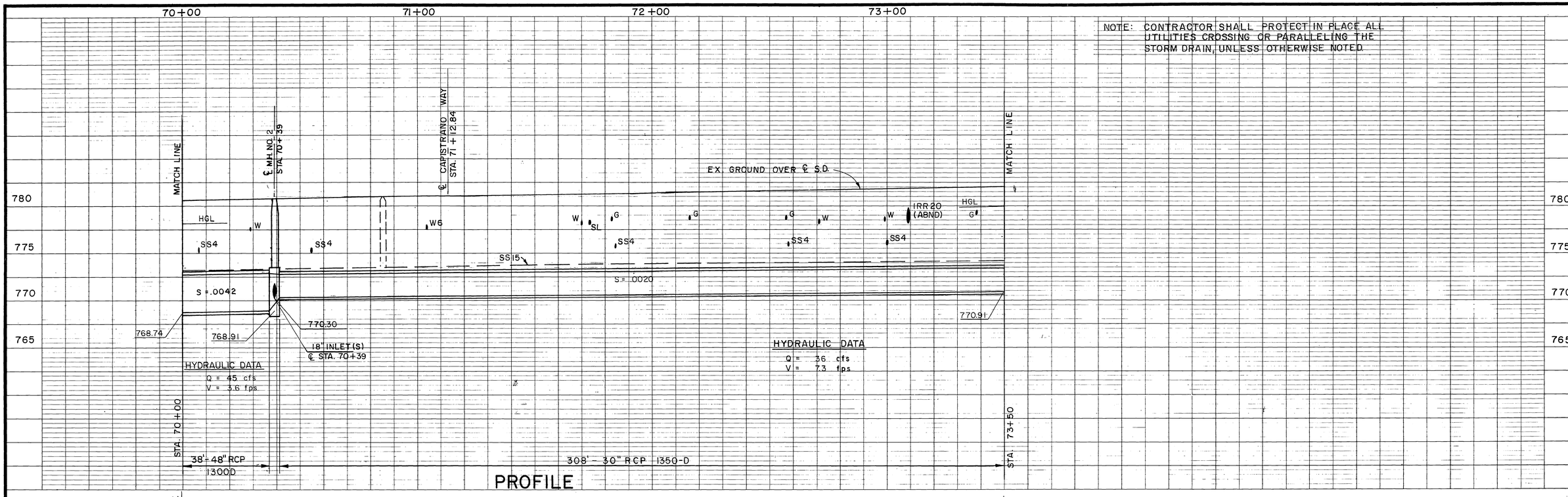
INDEX WF

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 18 OF 60

AS BUILT

D-447

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



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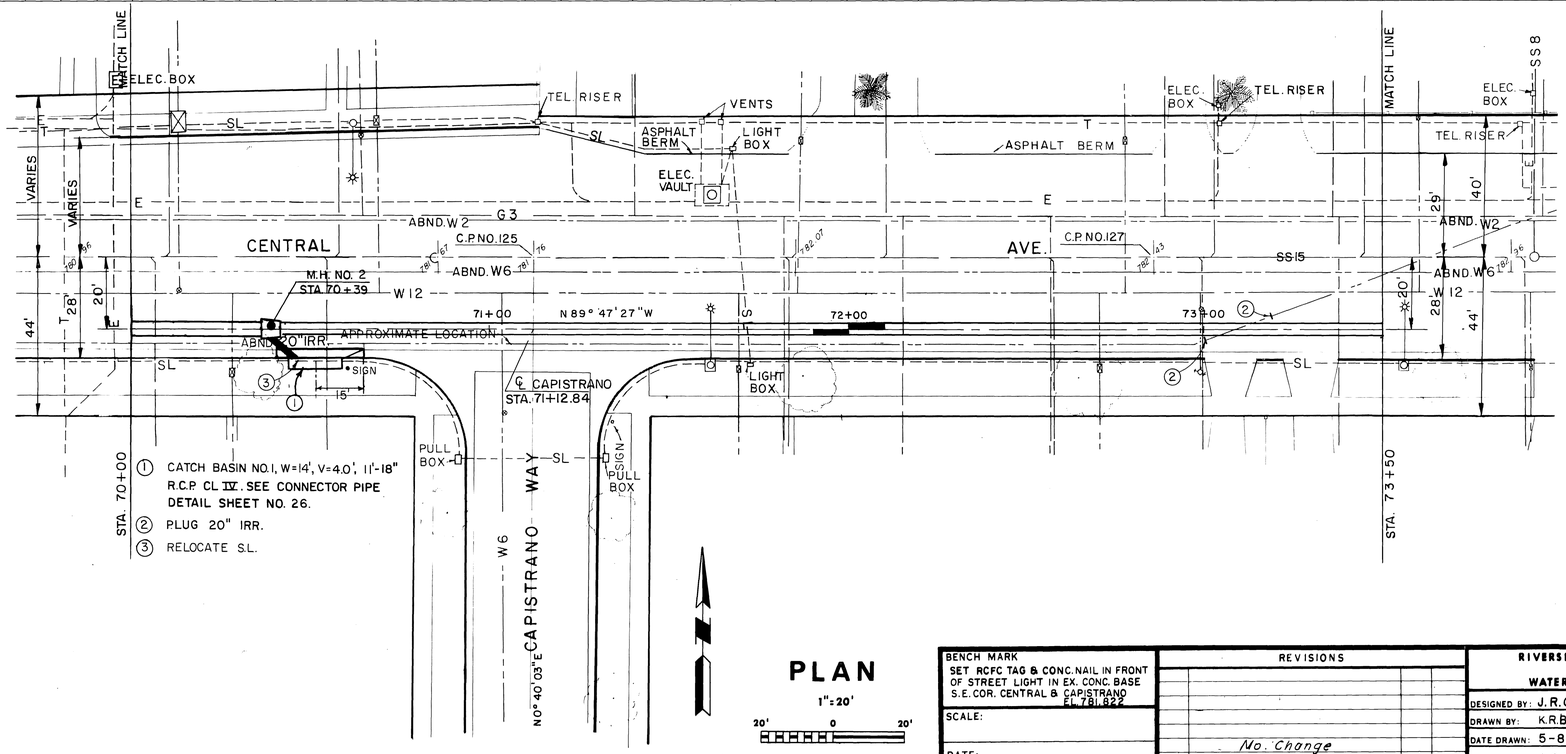
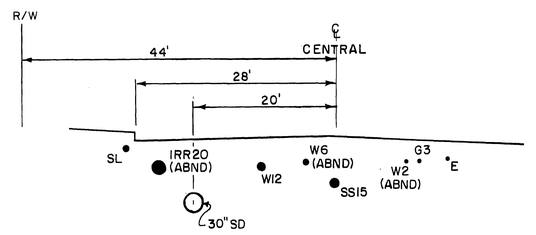


PLAN

1"=20'



SECTION AT STA. 72+50

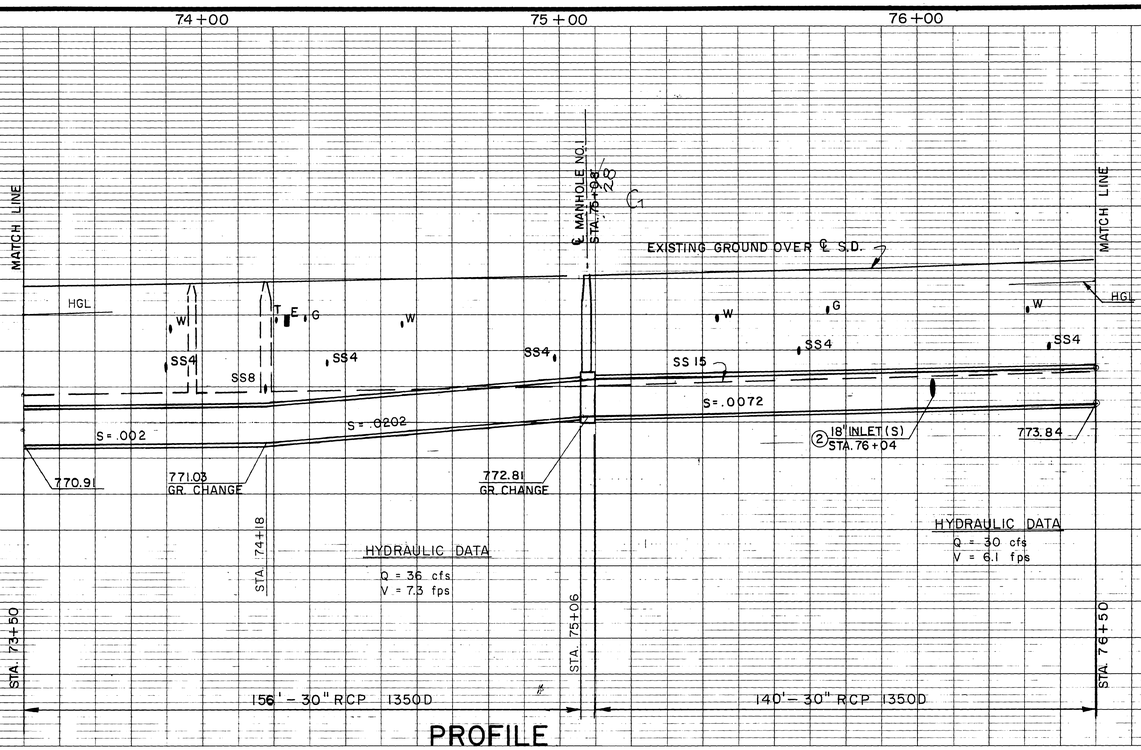
10' 0 10'

AS BUILT

BENCH MARK	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN	PROJECT NO. 1-0-240
SET RCFC TAG & CONC. NAIL IN FRONT OF STREET LIGHT IN EX. CONC. BASE S.E. COR. CENTRAL & CAPISTRANO EL. 781.822	REF. / DESCRIPTION / APPR. / DATE: No. Change	DESIGNED BY: J.R.C. · DRAWN BY: K.R.B. · DATE DRAWN: 5-82 · CHECKED BY: A.G.K.	STA. 70+00 TO STA. 73+50	DRAWING NO. 1-394
SCALE:		APPROVED BY: Kenneth L. Edwards, CHIEF ENGINEER R.E. NO. 12400, DATE: 12-15-82	1970 STORM DRAIN BOND ISSUE PROJECT NO. 15	SHEET NO. 19 OF 60
DATE:				INDEX 6F

D-447

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



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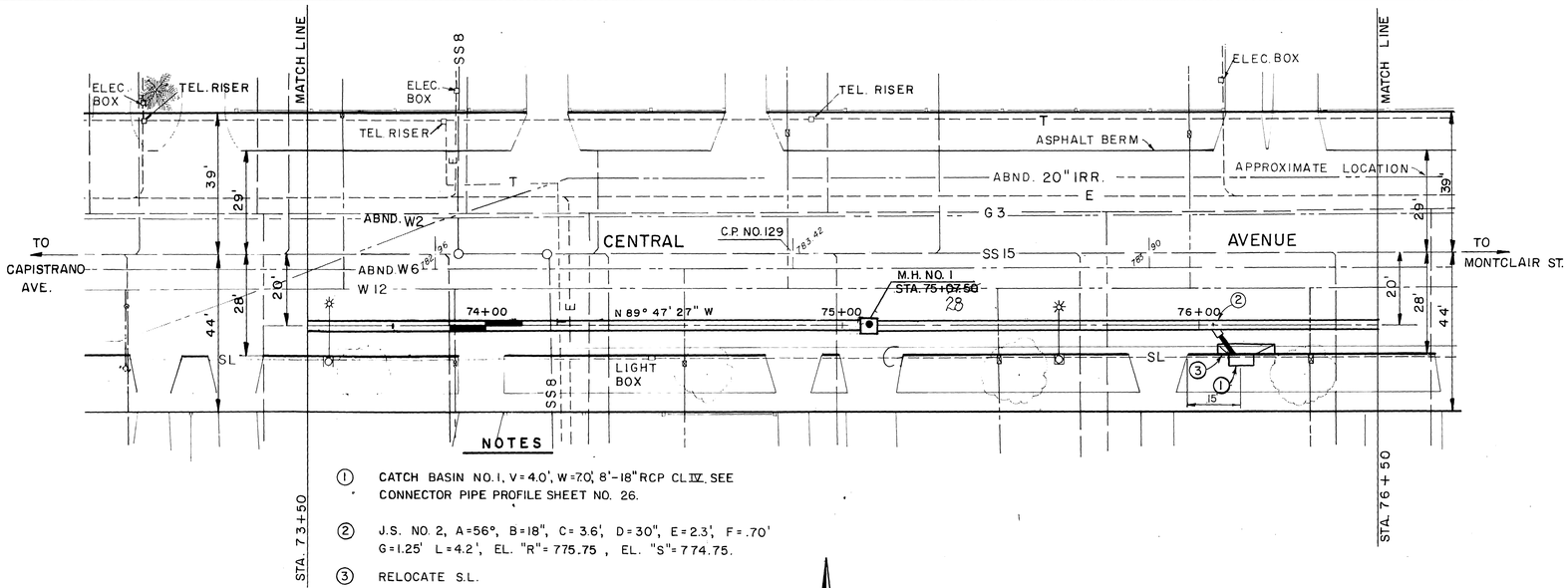
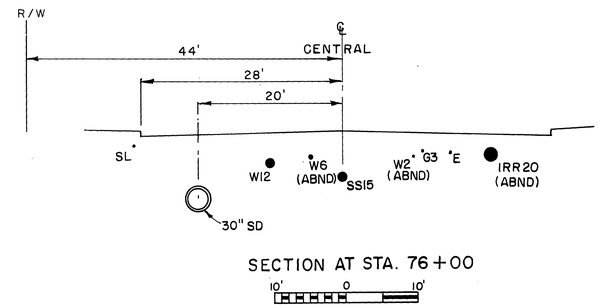




SECTION AT STA. 76+00

10' 0 10'

NOTES

① CATCH BASIN NO. 1, V = 4.0', W = 7.0', 8'-18" RCP CL IV. SEE CONNECTOR PIPE PROFILE SHEET NO. 26.

② J.S. NO. 2, A = 56°, B = 18", C = 3.6', D = 30", E = 2.3', F = .70' G = 1.25' L = 4.2', EL. "R" = 775.75 , EL. "S" = 774.75.

③ RELOCATE S.L.

PLAN

1" = 20'

20' 0 20'

BENCH MARK	TOP OF FIRE HYD. INTERSECTION MONTCLAIR & CENTRAL S.W. SIDE. EL. 789.302
SCALE:	
DATE:	

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
	M.H. No. 1 Sta. Change	DBS	10/83

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: K.R.B.
DATE DRAWN: 5-82
CHECKED BY: A.G.K.

APPROVED BY: Kenneth J. Edwards, CHIEF ENGINEER R.E. NO. 12400
DATE: 12-15-82

PHOENIX AVENUE STORM DRAIN

STA. 73+50 TO STA. 76+50

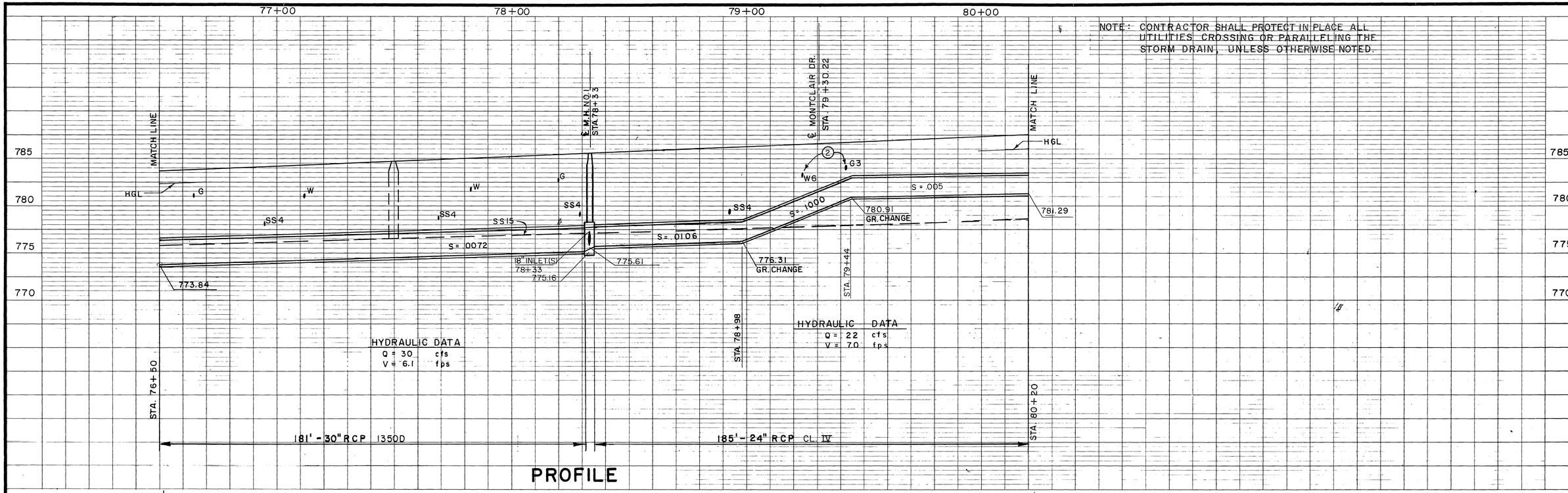
1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

INDEX MF

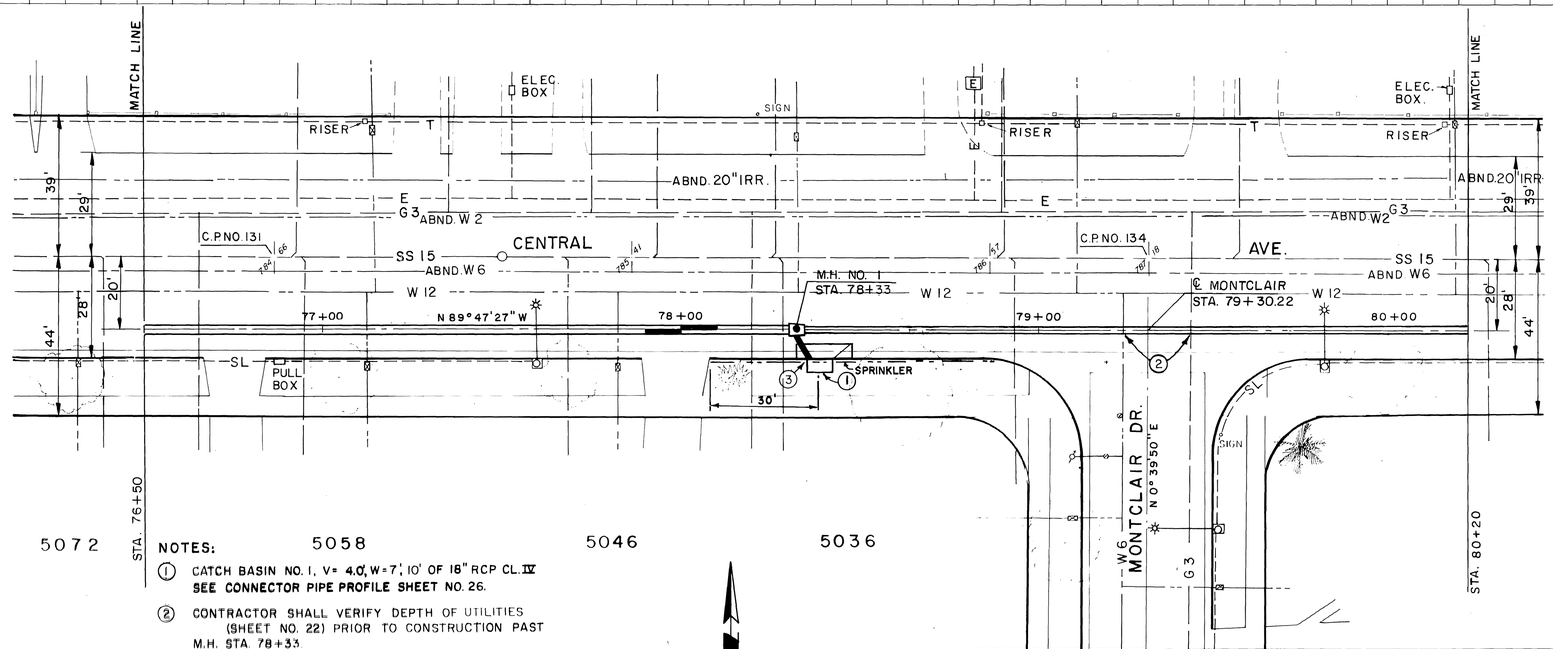
PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 20 OF 60

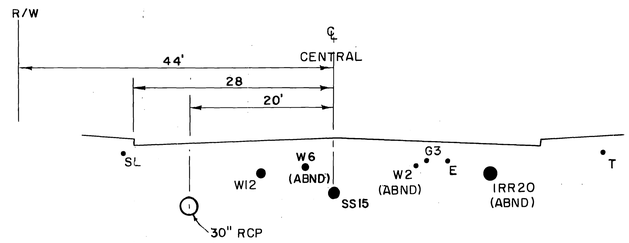
D-947

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



PROFILE





SECTION AT STA. 77+00

10' 0 10'

5072 5058 5046 5036

NOTES:

(1) CATCH BASIN NO. 1, V= 4.0', W=7', 10' OF 18" RCP CL. IV SEE CONNECTOR PIPE PROFILE SHEET NO. 26.

(2) CONTRACTOR SHALL VERIFY DEPTH OF UTILITIES (SHEET NO. 22) PRIOR TO CONSTRUCTION PAST M.H. STA. 78+33.

(3) RELOCATE SPRINKLER

PLAN

1"=20'

20' 0 20'

BENCH MARK
TOP OF FIRE HYD. INTERSECTION MONTCLAIR & CENTRAL S.W. SIDE.
EL. 787.302

SCALE: HORZ. 1" = 20'
VERT. 1' = 5'

DATE:

REVISIONS

REF.	DESCRIPTION	APPR.	DATE
	No Change		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J. R. C.
DRAWN BY: K. R. B.
DATE DRAWN: 9-82
CHECKED BY: A. G. K.

APPROVED BY:
Kenneth L. Edwards
CHIEF ENGINEER R.E. NO. 12400
DATE: 12-15-82

PHOENIX AVENUE STORM DRAIN

STA. 76+50 TO STA. 80+20

1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 21 OF 60

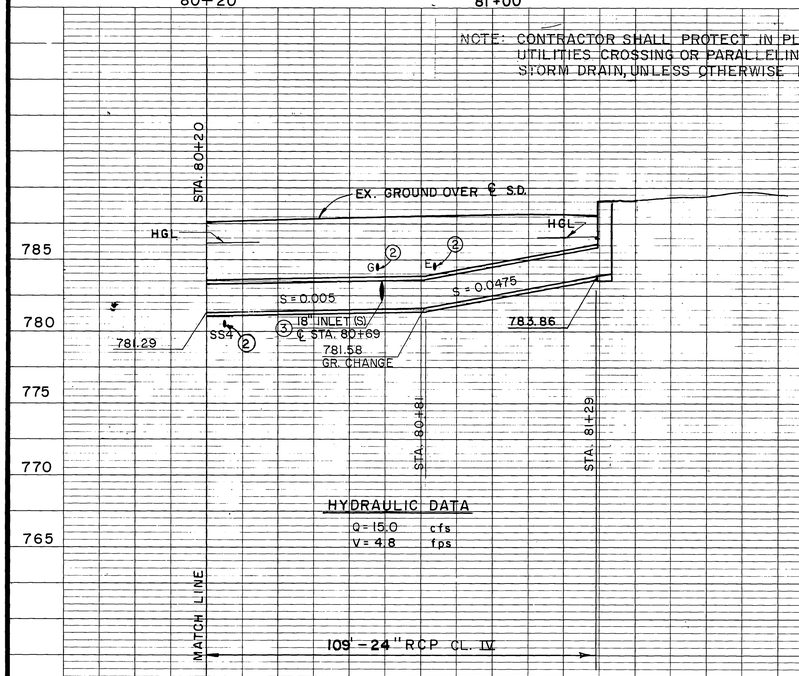
INDEX 15

AS BUILT

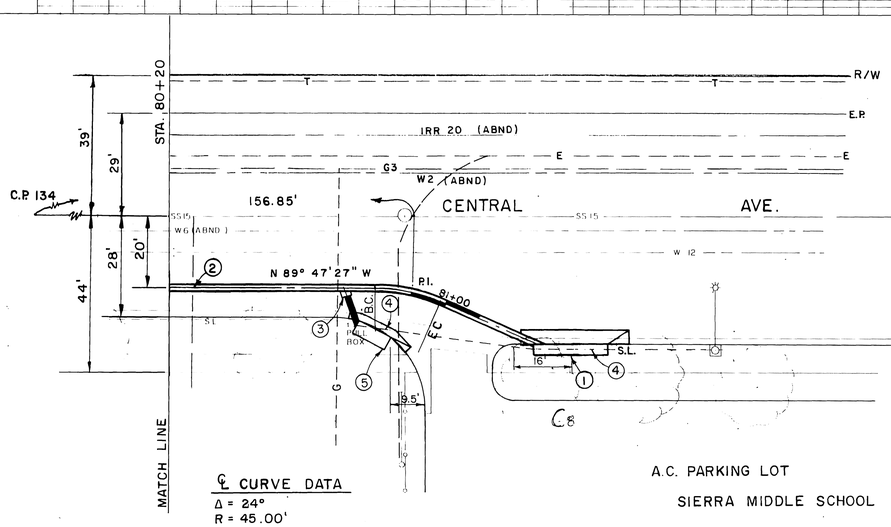
D-447

80+20 81+00

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.

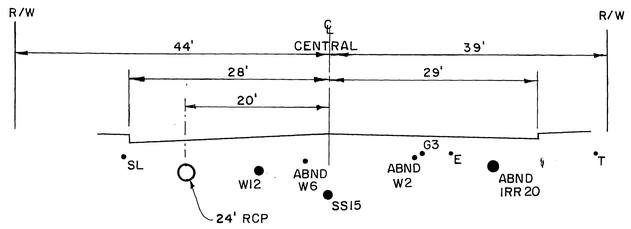


PROFILE



℄ CURVE DATA
Δ = 24°
R = 45.00'
L = 18.85'
T = 9.57'
BC = 80+77.50
EC = 80+96.35

A.C. PARKING LOT
SIERRA MIDDLE SCHOOL



SECTION AT STA. 80+50

10' 0 10'

① CATCH BASIN No. 1, W=21', V=~~X~~ 6' C8

② SEE NOTE ② SHEET NO. 21.

③ J.S. NO. 2, A=69°, B=18", C=3.8', D=24", E=2.4', F=0.7', G=0.7', EL. "S"=782.20, EL. "R"=782.80

④ RELOCATE S.L.

⑤ C.B. NO. 1, W=10.0', V=4.0', 8'-18" RCP CL. IV, CONSTRUCT L.D. ON CHORDS, A=2'. FOR CONNECTOR PIPE PROFILE SEE SHT. 26.

PLAN
1"= 20'
20' 0 20'

BENCH MARK
TOP OF FIRE HYD. INTERSECTION MONTCLAIR & CENTRAL S.W. SIDE.
EL. 789.302

SCALE:

DATE:

REVISIONS

REF.	DESCRIPTION	APPR	DATE
C8	C.B. No.1 Change	[illegible]	10/83

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: K.R.B.
DATE DRAWN: 9-82
CHECKED BY: A.G.K.

APPROVED BY:
Kenneth J. Edwards
CHIEF ENGINEER R.E. NO. 12400
DATE: 12-15-82

PHOENIX AVENUE STORM DRAIN

STA. 80+20 TO STA. 81+36.74

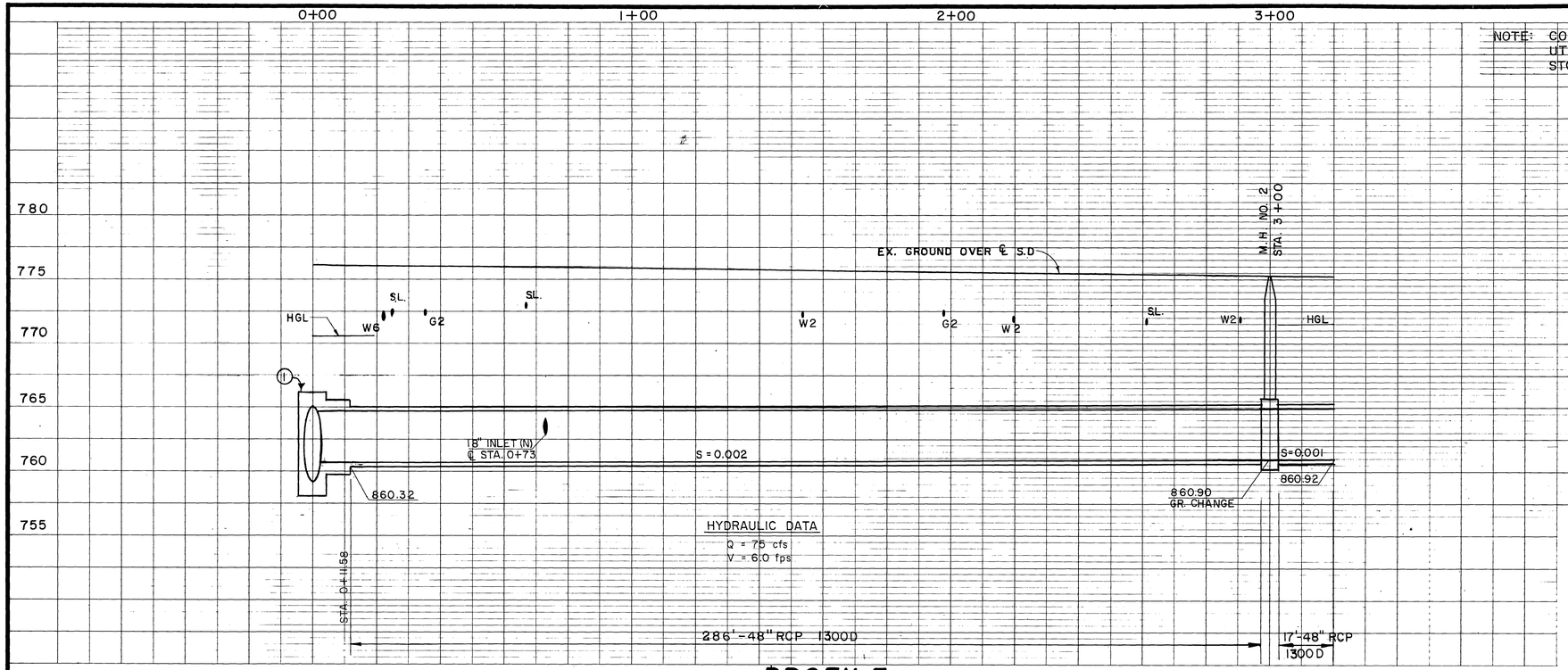
1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

INDEX 6F

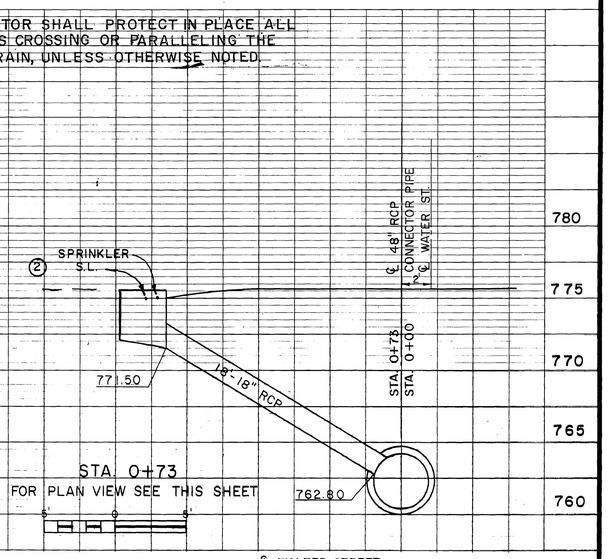
PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 22 OF 60

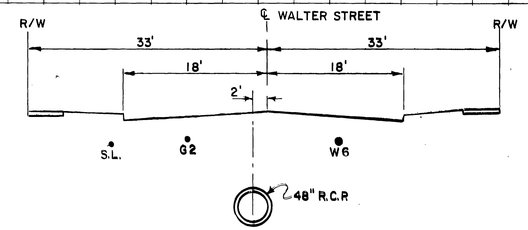
AS BUILT

D-447



PROFILE



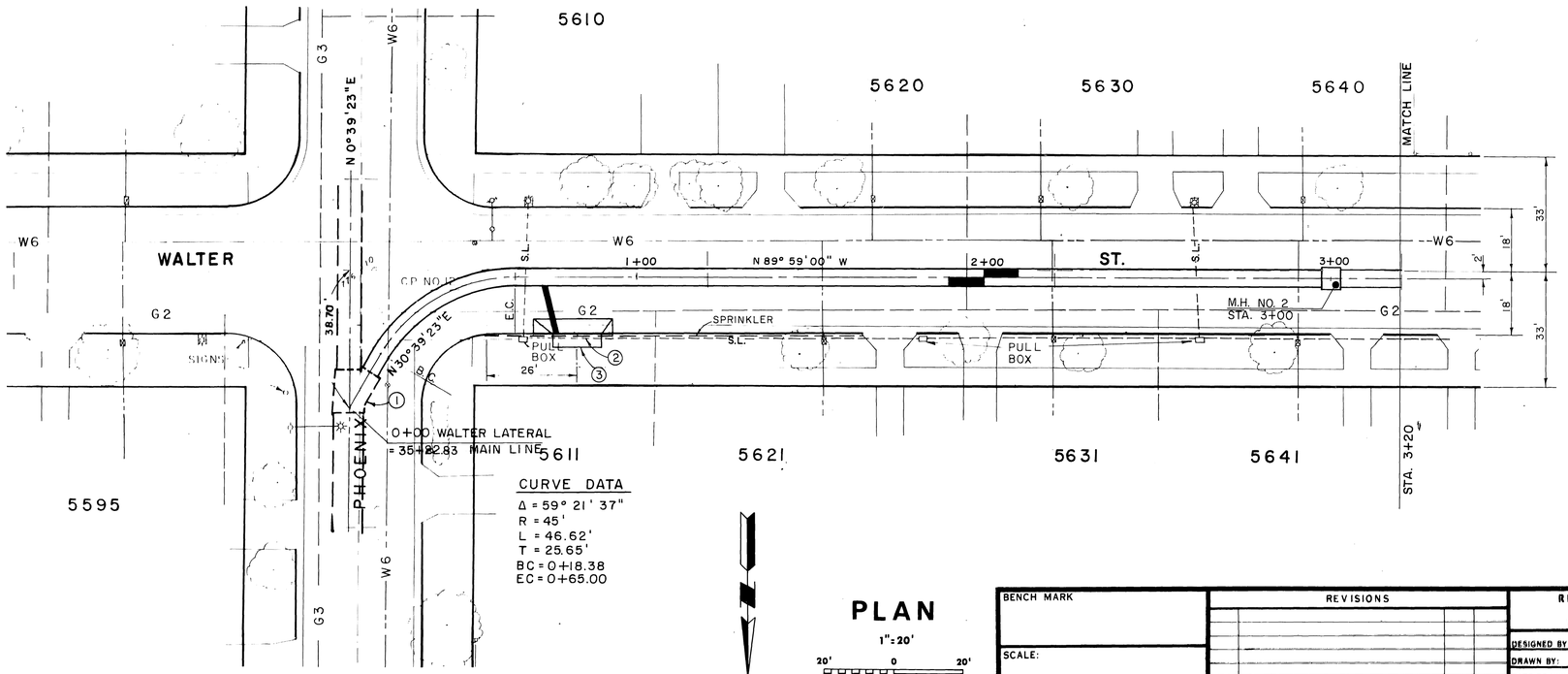


SECTION AT STA. 2+00
NTS

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.

NOTES

(1) MANHOLE NO. 4 & MAINLINE. SEE SHEET 10 FOR DETAILS.
(2) RELOCATE S.L. & SPRINKLER.
(3) C.B. NO. 1, W=14.0', V=4.0', 18' OF 18" RCP, CL. IV. SEE CONNECTOR PIPE PROFILE ABOVE.



CURVE DATA
Δ = 59° 21' 37"
R = 45'
L = 46.62'
T = 25.65'
BC = 0+18.38
EC = 0+65.00

PLAN

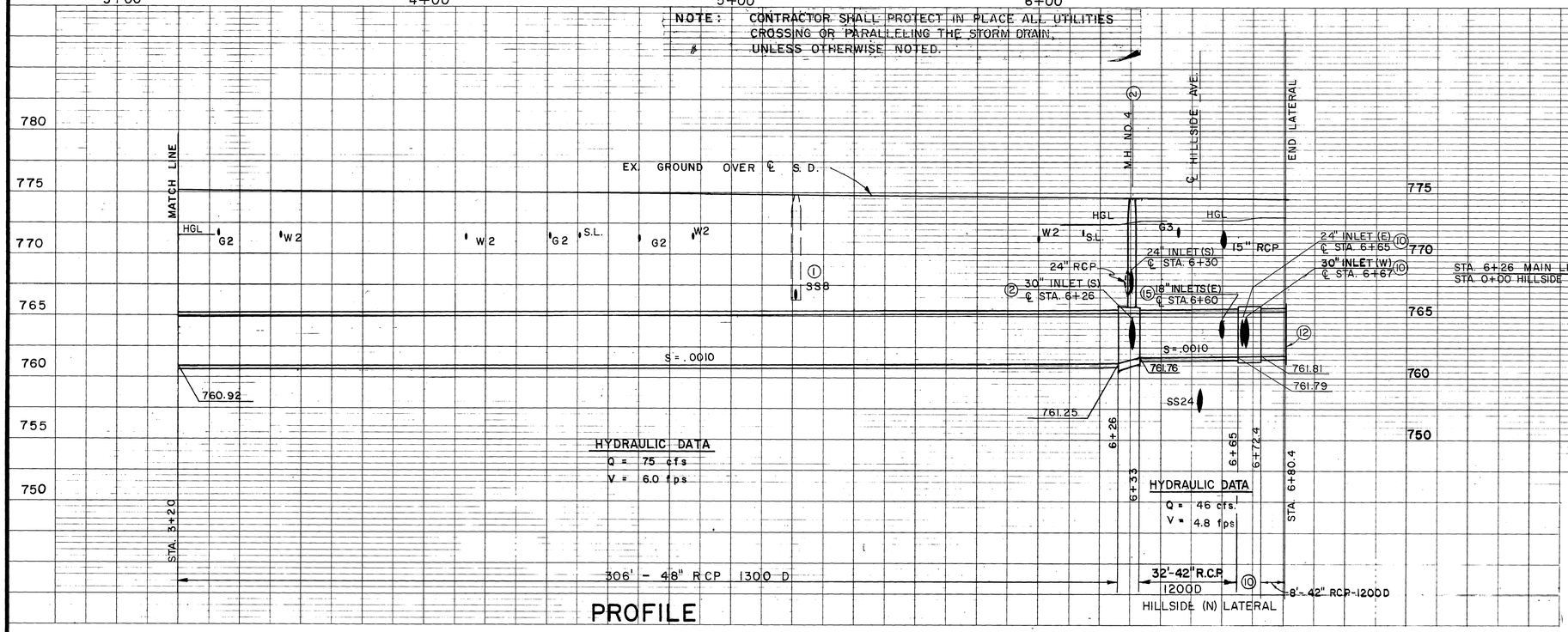
1"=20'
20' 0 20'

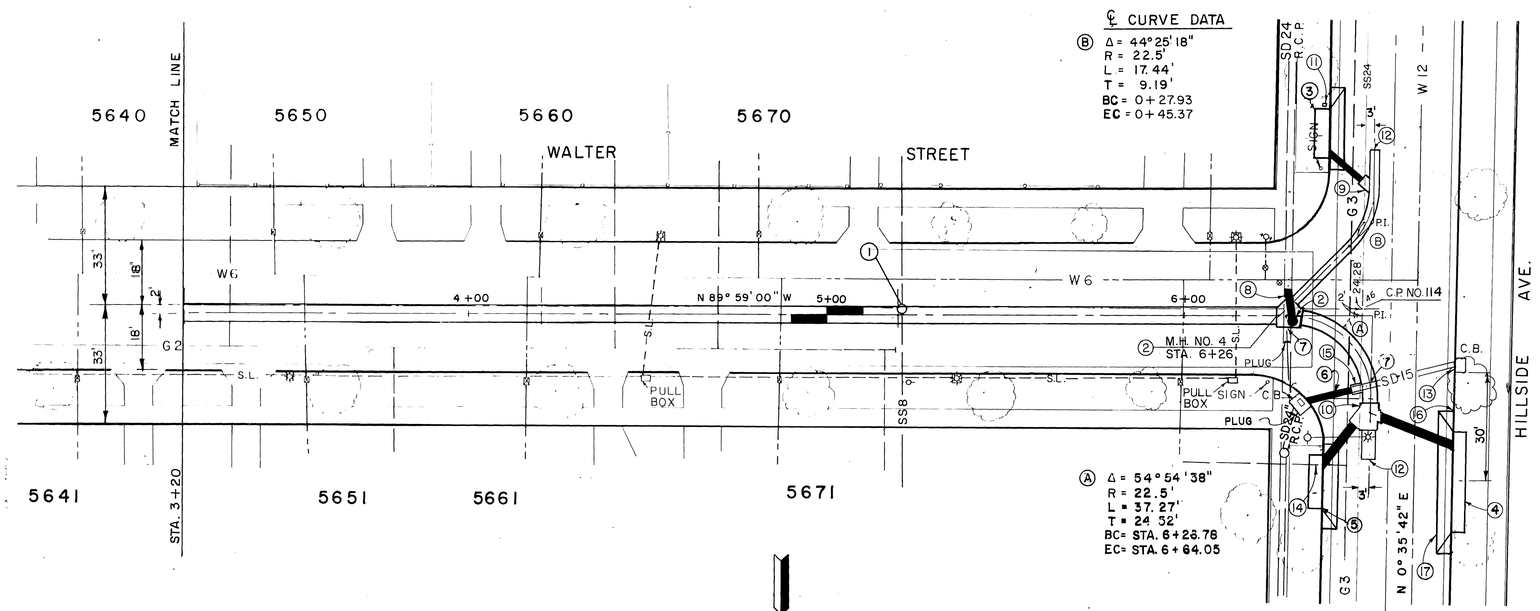
BENCH MARK	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN WALTER STREET LATERAL STA. 0+00 TO STA. 3+20 1970 STORM DRAIN BOND ISSUE PROJECT NO. 15
SCALE:	No. Change REF. DESCRIPTION APPR. DATE	DESIGNED BY: J.R.C. DRAWN BY: K.R.B. DATE DRAWN: 5-82 CHECKED BY: A.G.K. APPROVED BY: Kenneth P. Edwards, CHIEF ENGINEER R.E. NO. 12400 DATE: 12-15-82	PROJECT NO. 1-0-240 DRAWING NO. 1-384 SHEET NO. 23 OF 60
DATE:			

INDEX WE

AS BUILT

D-497





NOTES

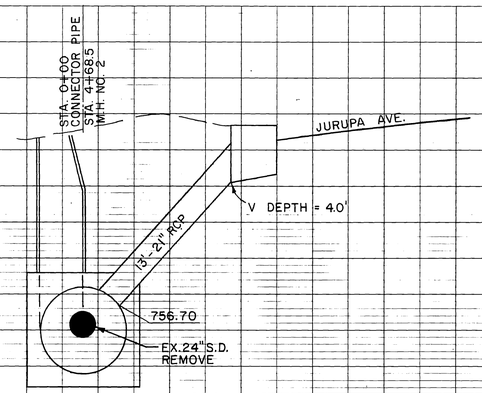
1. REMOVE AND REPLACE INTERFERING PORTIONS OF SS8 AND MANHOLE.
2. MANHOLE NO. 4, A=45°, B=30", C=6.4', D1=48", D2=42", EL. "R"=762.14, EL. "S"=762.13,
3. C.B. NO. 1, W=14', V=4.0, 14'-18" R.C.P., CL. IV, SEE CONNECTOR PIPE PROFILE SHEET NO. 27.
4. C.B. NO. 1, W=28', V=5', 19'-30" R.C.P., 1350D, SEE CONNECTOR PIPE PROFILE SEE SHEET NO. 27.
5. C.B. NO. 1, W=14', V=4', 14'-24" R.C.P., CL. IV. SEE CONNECTOR PIPE PROFILE SEE SHEET NO. 27.
6. CONNECT C.B. TO 42" MAIN LINE, 13'-18" R.C.P., CL. IV, CONNECTOR PIPE PROFILE SEE SHEET NO. 27.
7. REMOVE INTERFERING PORTIONS OF EX. S.D.
8. CONNECT EX. S.D. 24 TO M.H. NO. 4 SHAFT, 8'-24" RCP CL. IV. SEE CONNECTOR PIPE PROFILE SHT. 27.
9. J.S. NO. 2, A=50°, B=18", C=3.9', D=30", E=2.7', F=.75, G=16.5", L=3.0,' EL."R"=764.65, EL."S"=763. 40
10. T.S. NO. 3,
    EAST - A=39°, B=24", C=6.8' D=42", L=7.0', EL. "R"=764.75, EL. "S"=763.03.
    WEST - A=70°, B=30", C=4.2', D=42", L=7.0', EL. "R"=763.50. EL. "S"=762.59
11. RELOCATE MAIL BOX WITH BRICK POST PER ENGINEER'S DIRECTION.
12. CONCRETE BULKHEAD.
13. REMOVE C.B., PLUG S.D. 15, REPLACE CURB & GUTTER TO DRAIN TO NEW C.B.
14. RELOCATE GAS SERVICE LEAD BY OTHERS.
15. J.S. NO. 2, A=85°, B=18", C=3.3', D=42", E=1.5', F=1.50', G=1.75', L=2.3, ELEV. "R"=764.70, ELEV. "S"=763.80.
16. EXISTING CURB FACE PLUS 1".
17. CASE "C" LOCAL DEPRESSION.

INDEX MAP

BENCH MARK CP 12 TOP OF ¾" LP DN 0.15' BELOW SURF. INTERSECTION PHOENIX & WALTER EL. 776.101	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN WALTER STREET LATERAL STA. 3+20 TO STA. 6+80.4 1970 STORM DRAIN BOND ISSUE PROJECT NO. 15
SCALE: HORZ. 1"= 20' VERT. 1"= 5'		DESIGNED BY: J.R.C. DRAWN BY: K.R.B. DATE DRAWN: 8-82 CHECKED BY: A.G.K.	APPROVED BY: Kenneth Ewasko CHIEF ENGINEER R.E. NO. 12400 DATE: 12-15-82
DATE:	REF. No Change DESCRIPTION APPR. DATE		PROJECT NO. 1-0-240 DRAWING NO. 1-394 SHEET NO. 24 OF 60

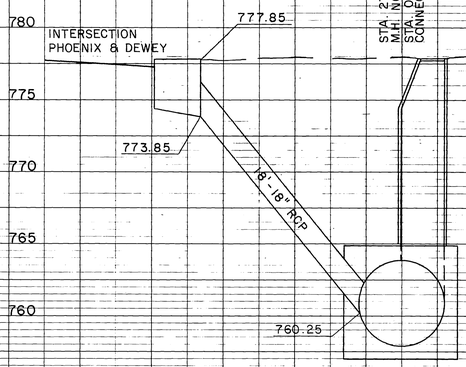
AS BUILT

D-447



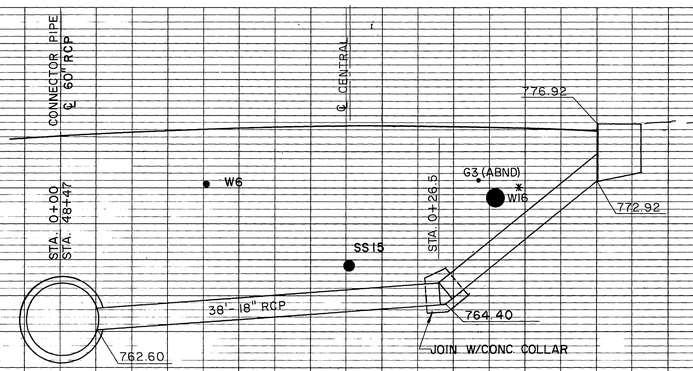
STA. 4+68.5

FOR PLAN VIEW SEE SHEET NO. 2



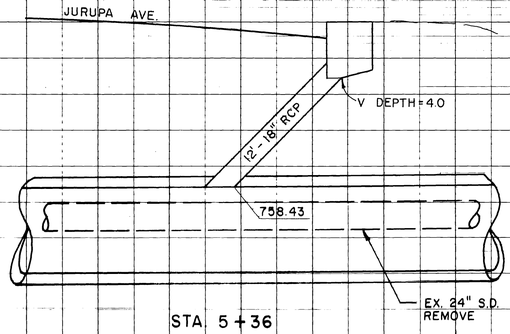
STA. 27+25

FOR PLAN VIEW SEE SHEET NO. 9



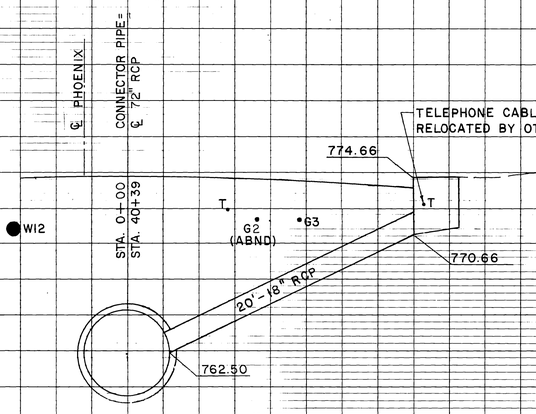
STA. 48+47

FOR PLAN VIEW SEE SHEET NO. 13



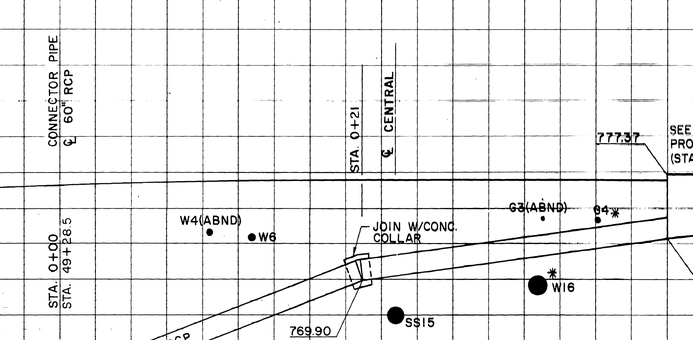
STA. 5+36

FOR PLAN VIEW SEE SHEET NO. 2



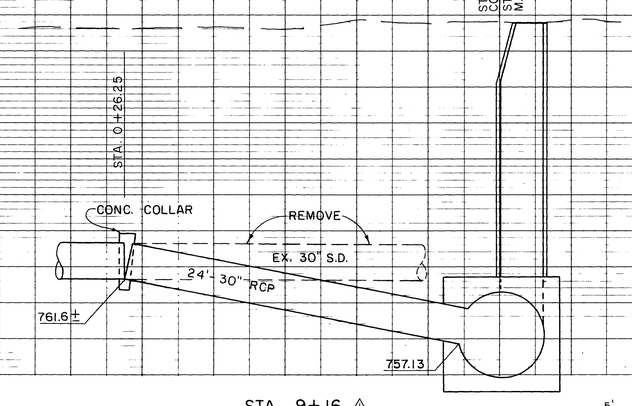
STA. 40+39

FOR PLAN VIEW SEE SHEET NO. 11



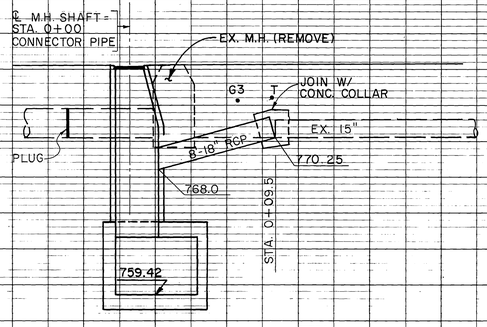
STA. 49+28.5

FOR PLAN VIEW SEE SHEET NO. 13



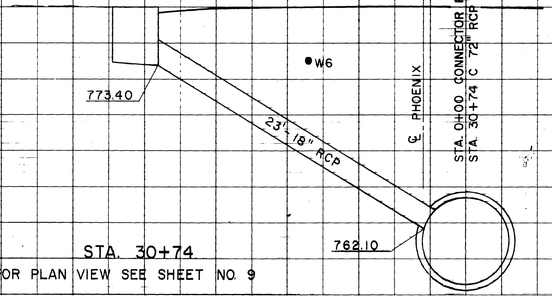
STA. 9+16 △

FOR PLAN VIEW SEE SHEET NO. 4



STA. 40+91

FOR PLAN VIEW SEE SHEET NO. 11



STA. 30+74

FOR PLAN VIEW SEE SHEET NO. 9

5' 0 5'

* CONTRACTOR SHALL DETERMINE EXACT ELEV. OF UTILITIES MARKED WITH ASTERISK BEFORE LAYING CONNECTOR PIPE

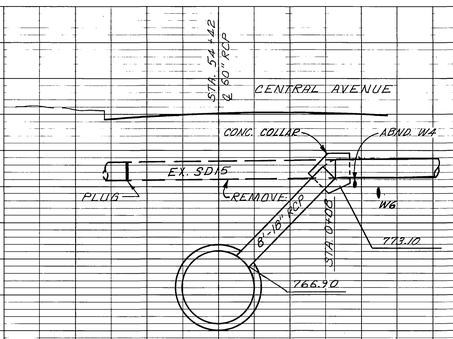
INDEX 6F

BENCH MARK	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN
SCALE:	△ Revise M.H. Stationing — 4/11/83	DESIGNED BY: J.R.C. / DRAWN BY: D.L.P. / DATE DRAWN: 3-82 / CHECKED BY: A.G.K.	CONNECTOR PIPE PROFILES
DATE:	^ No Change — REF. — DESCRIPTION — APPR. — DATE	APPROVED BY: Kenneth P. Grady, CHIEF ENGINEER R.E. NO. 12400 — DATE: 12-15-82	1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 25 OF 60

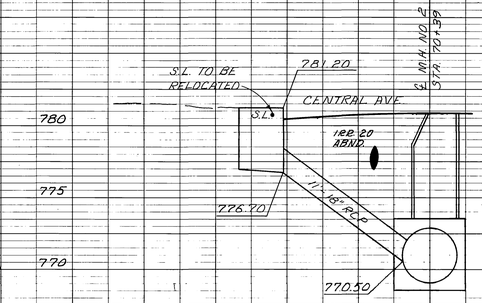
AS BUILT

D-447



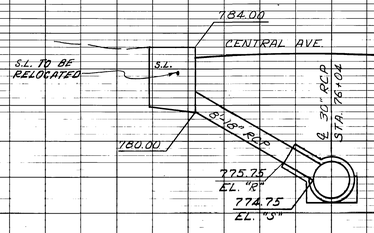
STA. 54+42

FOR PLAN VIEW SEE SHEET NO. 15



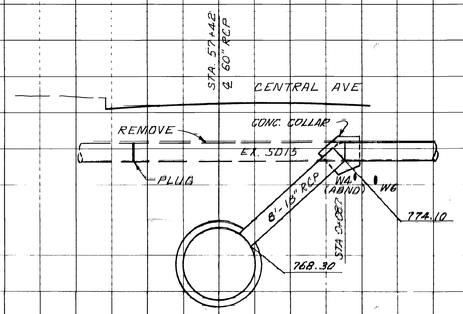
STA. 70+39

FOR PLAN VIEW SEE SHEET NO. 19



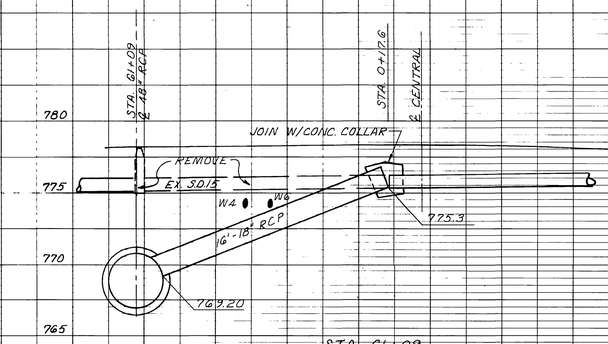
STA. 76+04

FOR PLAN VIEW SEE SHEET NO. 20



STA. 57+42

FOR PLAN VIEW SEE SHEET NO. 15



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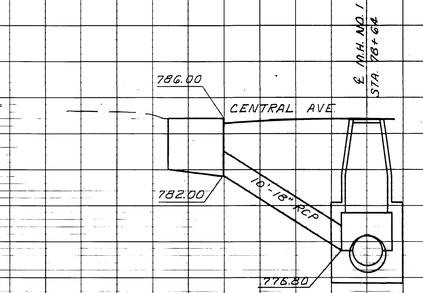
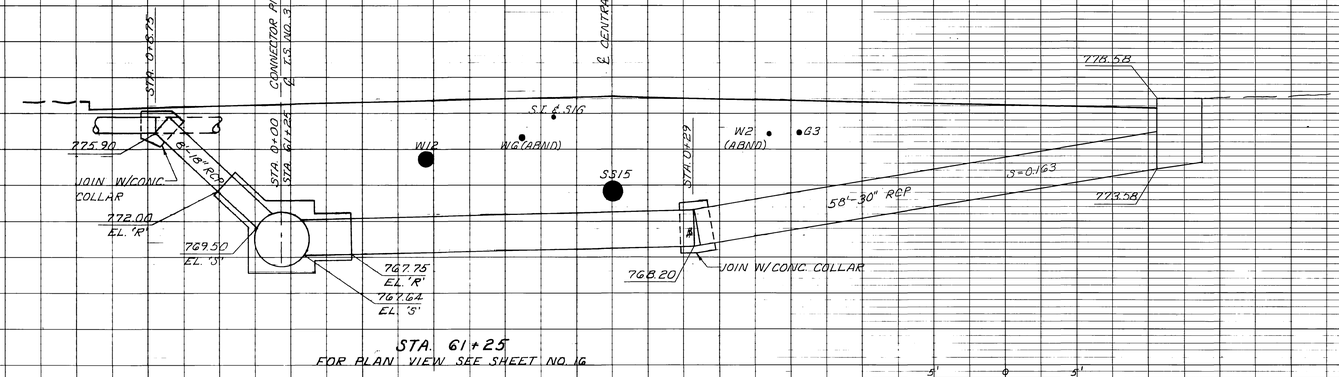


STA. 78+33

FOR PLAN VIEW SEE SHEET NO. 21



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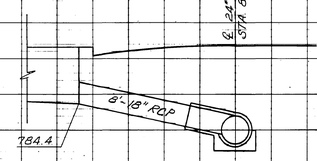


STA. 80+69

FOR PLAN VIEW SEE SHEET NO. 22

5' 0 5'

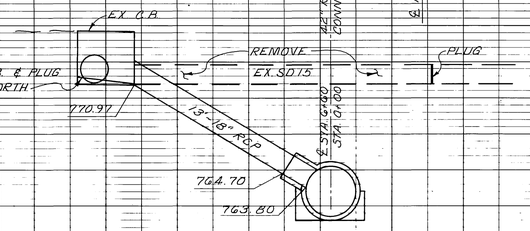
INDEX OF

BENCH MARK	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN
SCALE:		DESIGNED BY: J.R.C. / DRAWN BY: D.L.P. / DATE DRAWN: 3-82 / CHECKED BY: A.G.K.	APPROVED BY: Kenneth P. Edwards, CHIEF ENGINEER R.E. NO. 12400 / DATE: 12-15-82
DATE:	REF. No Change DESCRIPTION APPR. DATE		CONNECTOR PIPE PROFILES
			1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

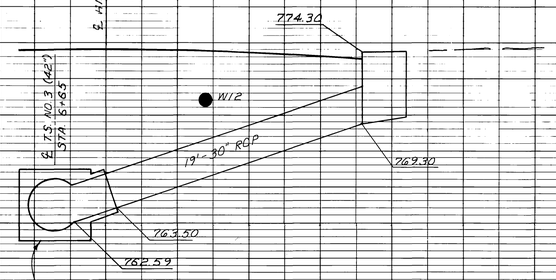
PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 26 OF 60

AS BUILT

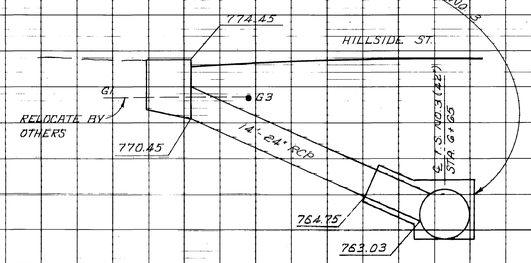
D-447



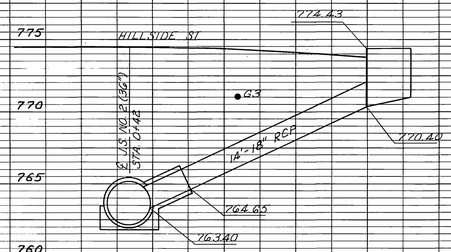
HILLSIDE N. LATERAL
STA. 6+80
FOR PLAN VIEW SEE SHEET NO. 24



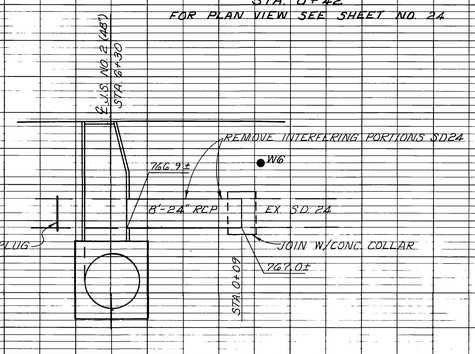
HILLSIDE N. LATERAL
STA. 6+67
FOR PLAN VIEW SEE SHEET NO. 24



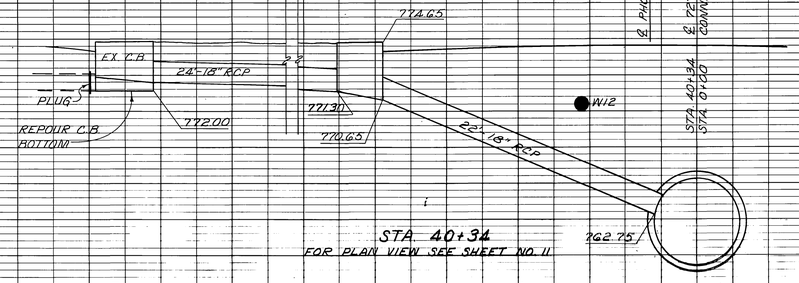
HILLSIDE N. LATERAL
STA. 6+65
FOR PLAN VIEW SEE SHEET NO. 24



HILLSIDE S. LATERAL
STA. 0+42
FOR PLAN VIEW SEE SHEET NO. 24



WALTER STREET LATERAL
STA. 6+30
FOR PLAN VIEW SEE SHEET NO. 24



STA. 40+34
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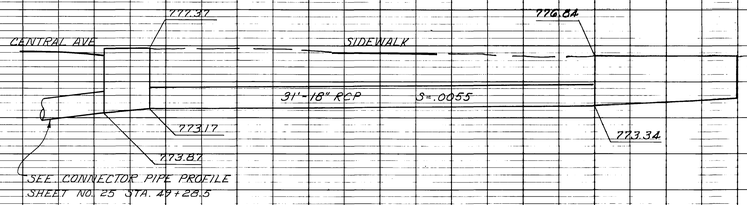
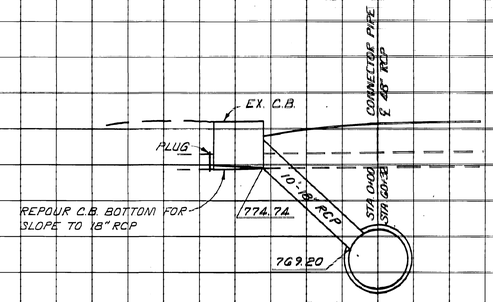


STA. 49+28.5
FOR PLAN VIEW SEE SHEET NO. 13



STA. 60+32
FOR PLAN VIEW SEE SHEET NO. 16

5' 0 5'

INDEX WF

REVISIONS			
No Change			
REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: D.L.P.
DATE DRAWN: 3-82
CHECKED BY: A.G.

APPROVED BY:
Kenneth L. Edwards
CHIEF ENGINEER R.E. NO. 12400
DATE: 11-15-82

PHOENIX AVENUE STORM DRAIN

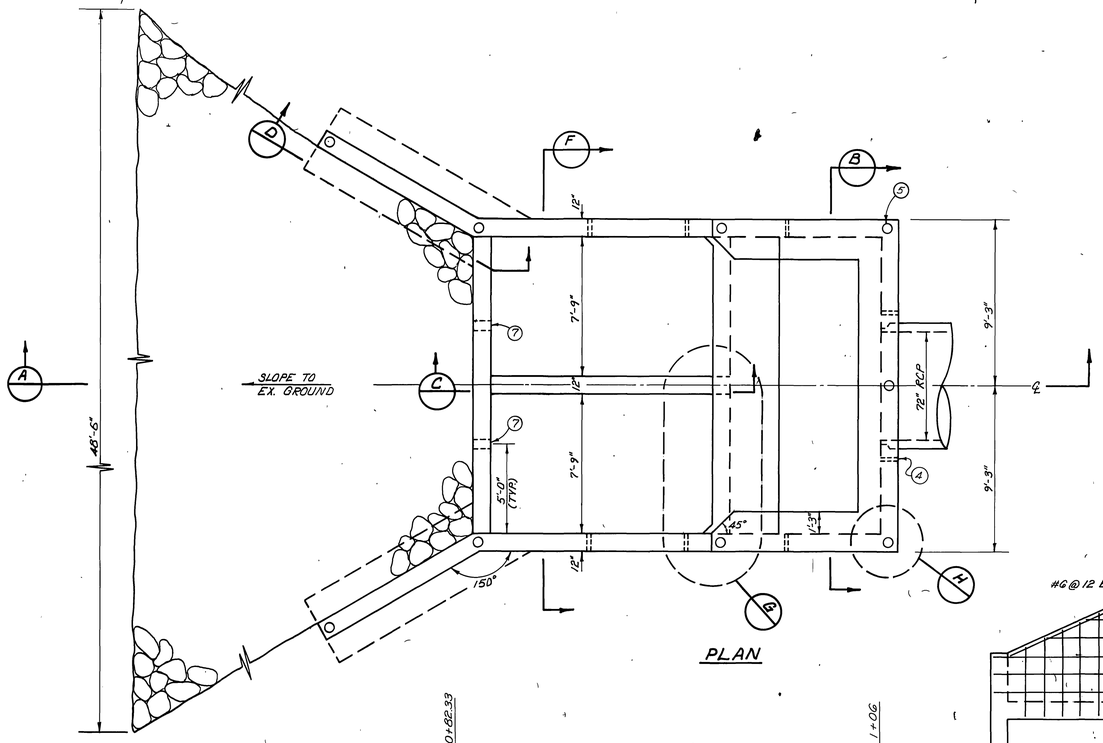
CONNECTOR PIPE PROFILES

1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

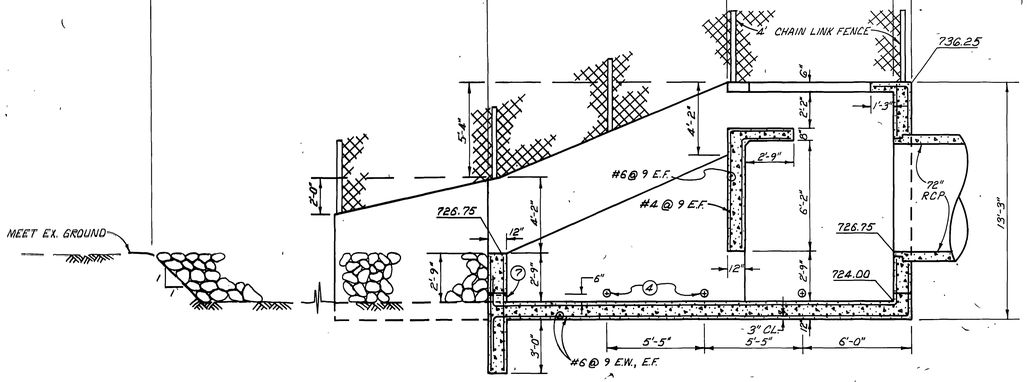
PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 27 OF 60

AS BUILT

D-447



PLAN



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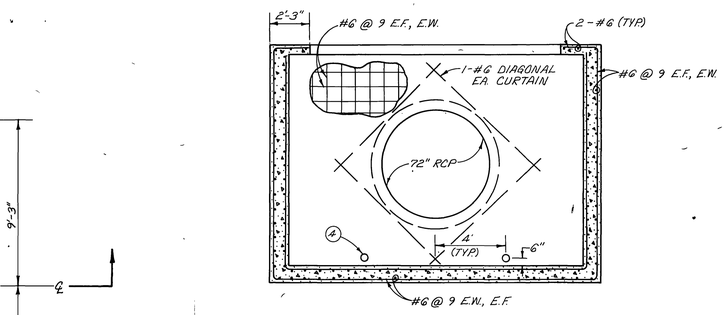

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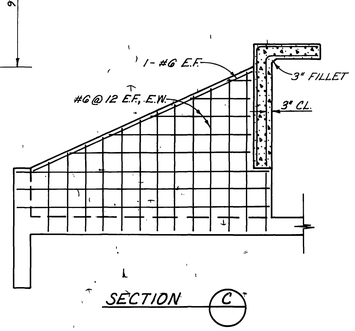

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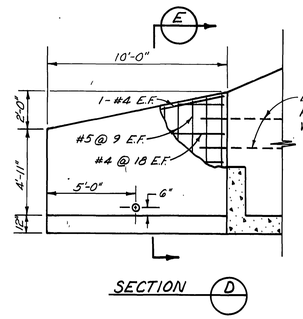

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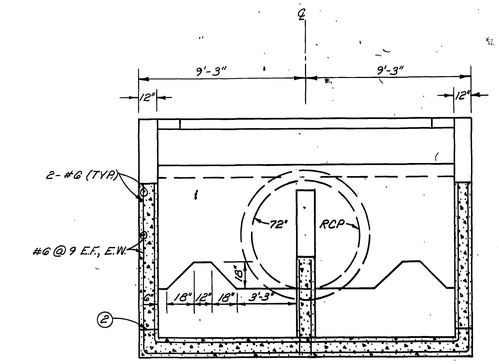

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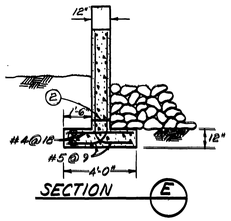

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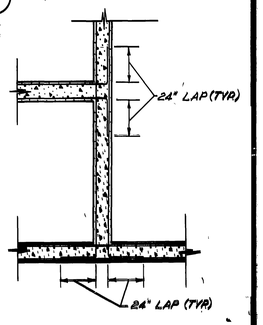
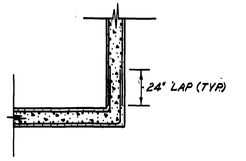


DETAIL G



DETAIL H

NOTES

1. ALL STEEL SHALL HAVE 2" COVER UNLESS OTHERWISE NOTED.
2. 6" STARTER WALL WITH CONST. JOINT TO BE USED IN ALL CASES.
3. 1/2 TON ROCK SLOPE PROTECTION
4. CONST. 1 1/2" DIAM. WEEPHOLES WITH RODENT SCREENS AND 1 CU. FOOT OF FILTER MATERIAL AT EACH HOLE.
5. FOR CHAIN LINK FENCE SEE SHEET NO. 50.
6. ALL EXPOSED CONC. EDGES SHALL HAVE A 3/4" CHAMFER.
7. 6" DIAM. HOLE.
8. INTERSECTING WALL & CORNER DETAILS TYP. ALL CORNERS & INTERSECTIONS.

4' 0 4'
TYP. SCALE

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
	No Change		

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.R.C.
DRAWN BY: D.L.P.
DATE DRAWN: 9-82
CHECKED BY: A.G.K.

APPROVED BY:
Kenneth Edwards
CHIEF ENGINEER R.E. NO. 19400
DATE: 12-15-82

PHOENIX AVENUE STORM DRAIN
OUTLET STRUCTURE

1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

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PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 28 OF 60

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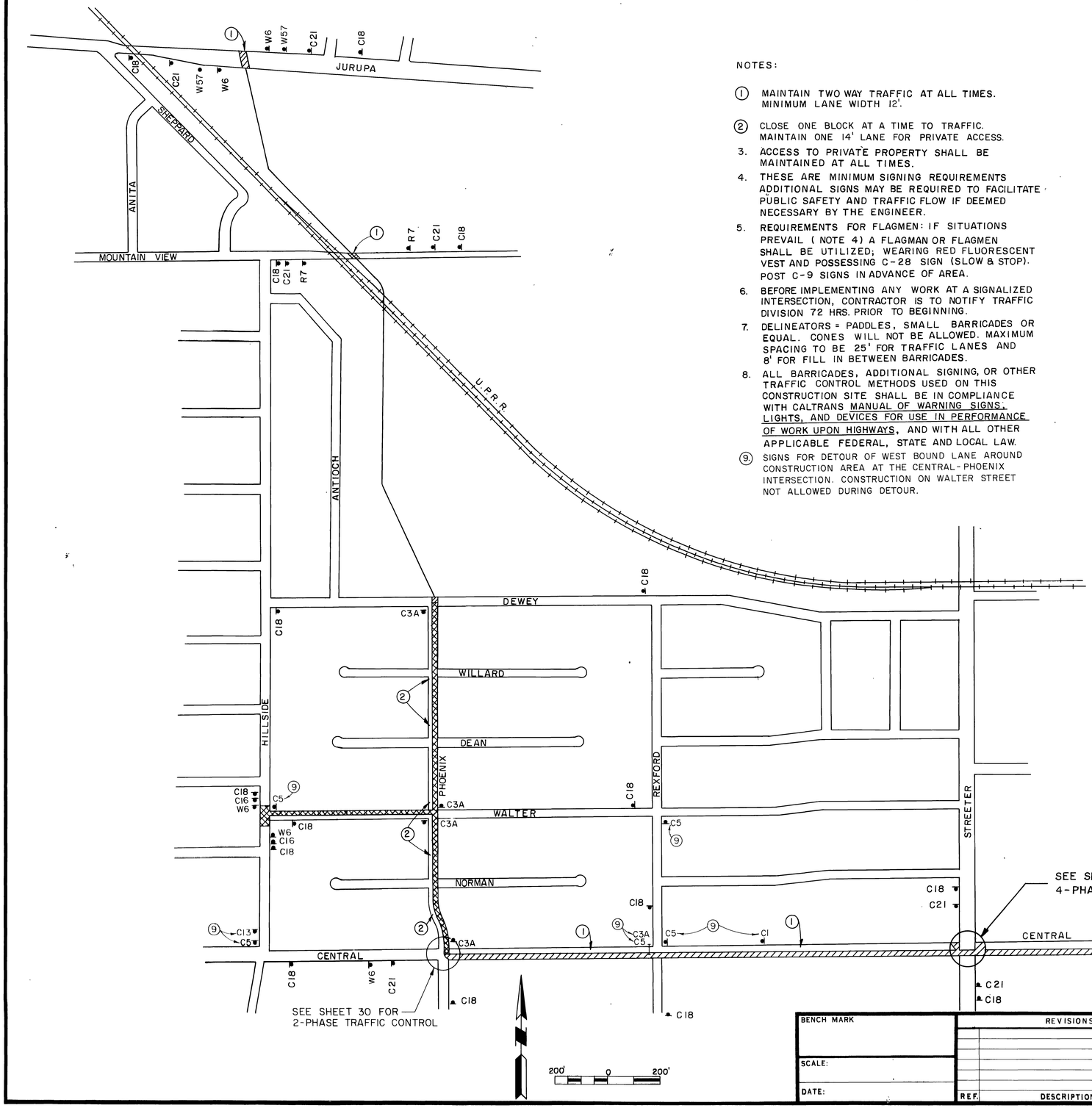

NOTES:

1. MAINTAIN TWO WAY TRAFFIC AT ALL TIMES. MINIMUM LANE WIDTH 12'.
2. CLOSE ONE BLOCK AT A TIME TO TRAFFIC. MAINTAIN ONE 14' LANE FOR PRIVATE ACCESS.
3. ACCESS TO PRIVATE PROPERTY SHALL BE MAINTAINED AT ALL TIMES.
4. THESE ARE MINIMUM SIGNING REQUIREMENTS ADDITIONAL SIGNS MAY BE REQUIRED TO FACILITATE PUBLIC SAFETY AND TRAFFIC FLOW IF DEEMED NECESSARY BY THE ENGINEER.
5. REQUIREMENTS FOR FLAGMEN: IF SITUATIONS PREVAIL (NOTE 4) A FLAGMAN OR FLAGMEN SHALL BE UTILIZED; WEARING RED FLUORESCENT VEST AND POSSESSING C-28 SIGN (SLOW & STOP). POST C-9 SIGNS IN ADVANCE OF AREA.
6. BEFORE IMPLEMENTING ANY WORK AT A SIGNALIZED INTERSECTION, CONTRACTOR IS TO NOTIFY TRAFFIC DIVISION 72 HRS. PRIOR TO BEGINNING.
7. DELINEATORS = PADDLES, SMALL BARRICADES OR EQUAL. CONES WILL NOT BE ALLOWED. MAXIMUM SPACING TO BE 25' FOR TRAFFIC LANES AND 8' FOR FILL IN BETWEEN BARRICADES.
8. ALL BARRICADES, ADDITIONAL SIGNING, OR OTHER TRAFFIC CONTROL METHODS USED ON THIS CONSTRUCTION SITE SHALL BE IN COMPLIANCE WITH CALTRANS MANUAL OF WARNING SIGNS, LIGHTS, AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS, AND WITH ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL LAW.
9. SIGNS FOR DETOUR OF WEST BOUND LANE AROUND CONSTRUCTION AREA AT THE CENTRAL-PHOENIX INTERSECTION. CONSTRUCTION ON WALTER STREET NOT ALLOWED DURING DETOUR.

LEGEND

C1	"DETOUR AHEAD"
C3A	"ROAD CLOSED TO THRU TRAFFIC"
C5	"DETOUR"
C13	"END CONSTRUCTION"
C16	"ONE LANE ROAD AHEAD"
C18	"ROAD CONSTRUCTION AHEAD"
C21	"SINGLE LANE AHEAD"
W57	"ARROW" LT. OR RT.
W6	"20 M.P.H."
	ONE LANE PRIVATE ACCESS
	TWO LANE TRAFFIC
	BARRICADE

BENCH MARK	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN
SCALE:	REF. DESCRIPTION APPR. DATE	DESIGNED BY: J.R.C. DRAWN BY: R.A.S. DATE DRAWN: 4-82 CHECKED BY: A.G.K.	APPROVED BY: Kenneth L. Edwards CHIEF ENGINEER R.E. NO. 12400 DATE: 12-15-82
DATE:			TRAFFIC PLANS SIGNING REQUIREMENTS 1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 29 OF 60

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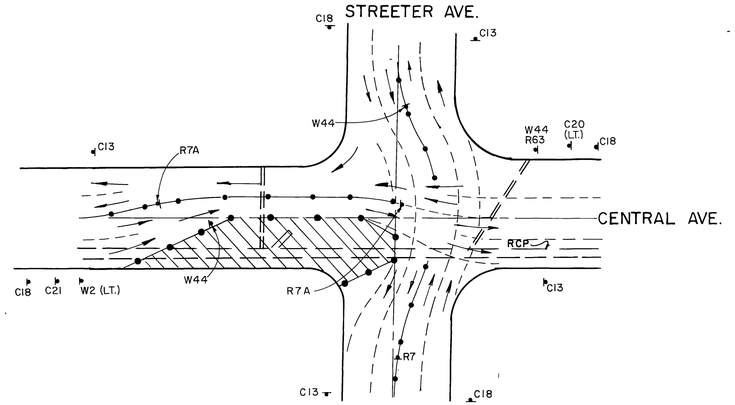
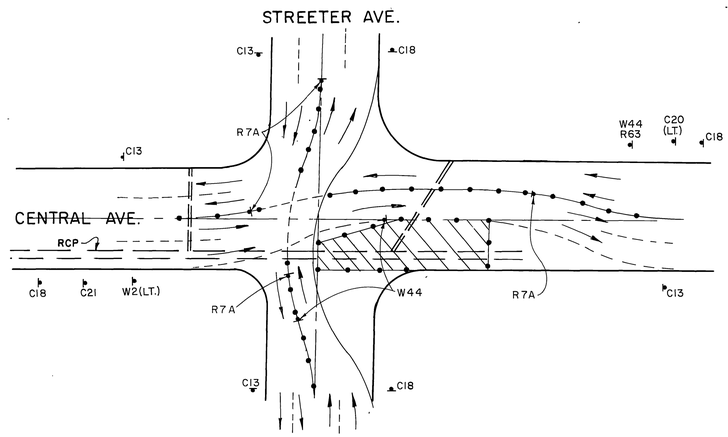


PHASE I



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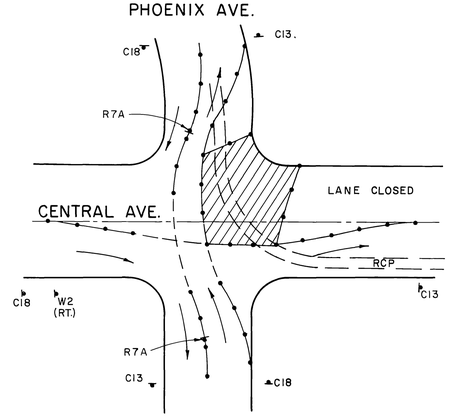

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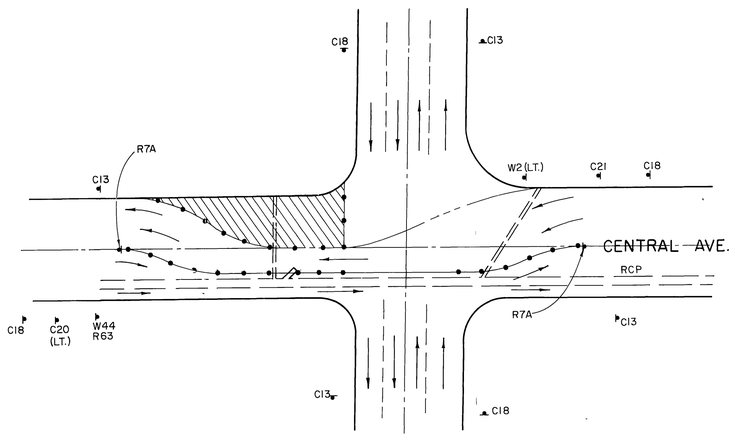

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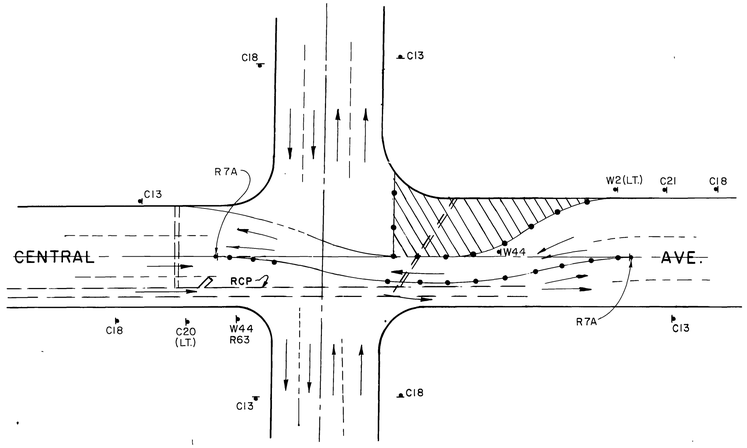

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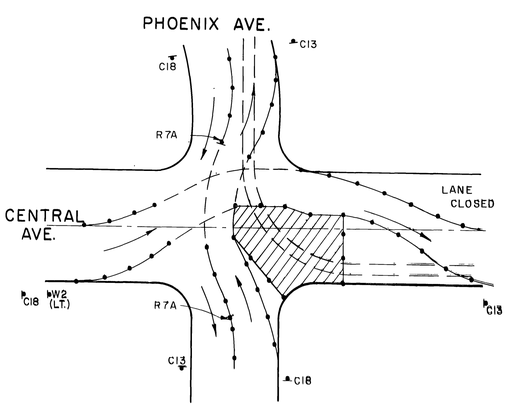
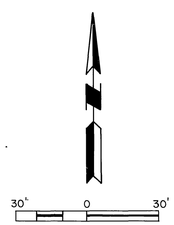


PHASE II

LEGEND

C13	END CONSTRUCTION	•	TRAFFIC DELINEATORS
C18	ROAD CONSTRUCTION AHEAD	↓	SIGNS
C20	LEFT LANE CLOSED AHEAD	——→	TRAFFIC FLOW PATTERN
C21	SINGLE LANE AHEAD	▨	TRENCHING AND CONSTRUCTION AREA
R7A	KEEP RIGHT	— —	TEMPORARY LANE STRIPING
R63	DO NOT PASS		
W2	↳		
W44	TWO WAY TRAFFIC		



NOTE : CONTRACTOR SHALL PLACE TEMPORARY RAILING AROUND THE CONSTRUCTION AREAS AT THE INTERSECTIONS SHOWN ON THIS SHEET. THE RAILING SHALL CONFORM TO (TYPE K) SECTION 12-3.08 OF THE STATE STANDARD SPECIFICATIONS.

LANE TRANSITIONS SHALL BE 400' MIN. EACH WAY.

INDEX OF

BENCH MARK	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	PHOENIX AVENUE STORM DRAIN
SCALE:		DESIGNED BY: J.R.C. / DRAWN BY: R.A.S. / DATE DRAWN: 4-82 / CHECKED BY: A.G.	APPROVED BY: Kenneth L. Edwards, CHIEF ENGINEER R.E. NO. 12400, DATE: 12-15-82
DATE:	REF. / DESCRIPTION / APPR. / DATE		TRAFFIC PLANS
			1970 STORM DRAIN BOND ISSUE PROJECT NO. 15

PROJECT NO. 1-0-240
DRAWING NO. 1-394
SHEET NO. 30 OF 60

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