

# RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

## LEGEND

|                                       |  |
|---------------------------------------|--|
| BLOCK WALL                            |  |
| CATCH BASIN                           |  |
| CULVERT WITH HEADWALLS                |  |
| FENCE, CHAINLINK EXISTING             |  |
| FENCE, WIRE                           |  |
| FIRE HYDRANT                          |  |
| FLOW LINE                             |  |
| GAS LINE, I.D. IN INCHES              |  |
| GAS METER                             |  |
| IRRIGATION LINE, I.D. IN INCHES       |  |
| JUNCTION STRUCTURE NO. 2              |  |
| LIGHT STANDARD                        |  |
| MAILBOX                               |  |
| MANHOLE, SEWER                        |  |
| NORTH ARROW                           |  |
| POLE WITH ANCHOR                      |  |
| POWER POLE                            |  |
| RIGHT OF WAY, STREET                  |  |
| SANITARY SEWER LINE, I.D. IN INCHES   |  |
| SHRUBS                                |  |
| SIGN                                  |  |
| SOIL BORING                           |  |
| STORM DRAIN, EXISTING, I.D. IN INCHES |  |
| STREET LIGHT ON MAST ARM              |  |
| TELEPHONE CABLE, UNDERGROUND          |  |
| TREE, OTHER THAN PALM                 |  |
| TREE, PALM                            |  |
| WATER LINE, I.D. IN INCHES            |  |
| WATER METER                           |  |
| WATER VALVE                           |  |

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## RCFC & WCD STANDARD DRAWINGS

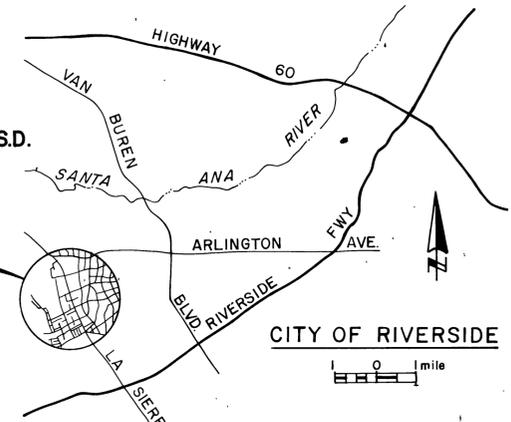
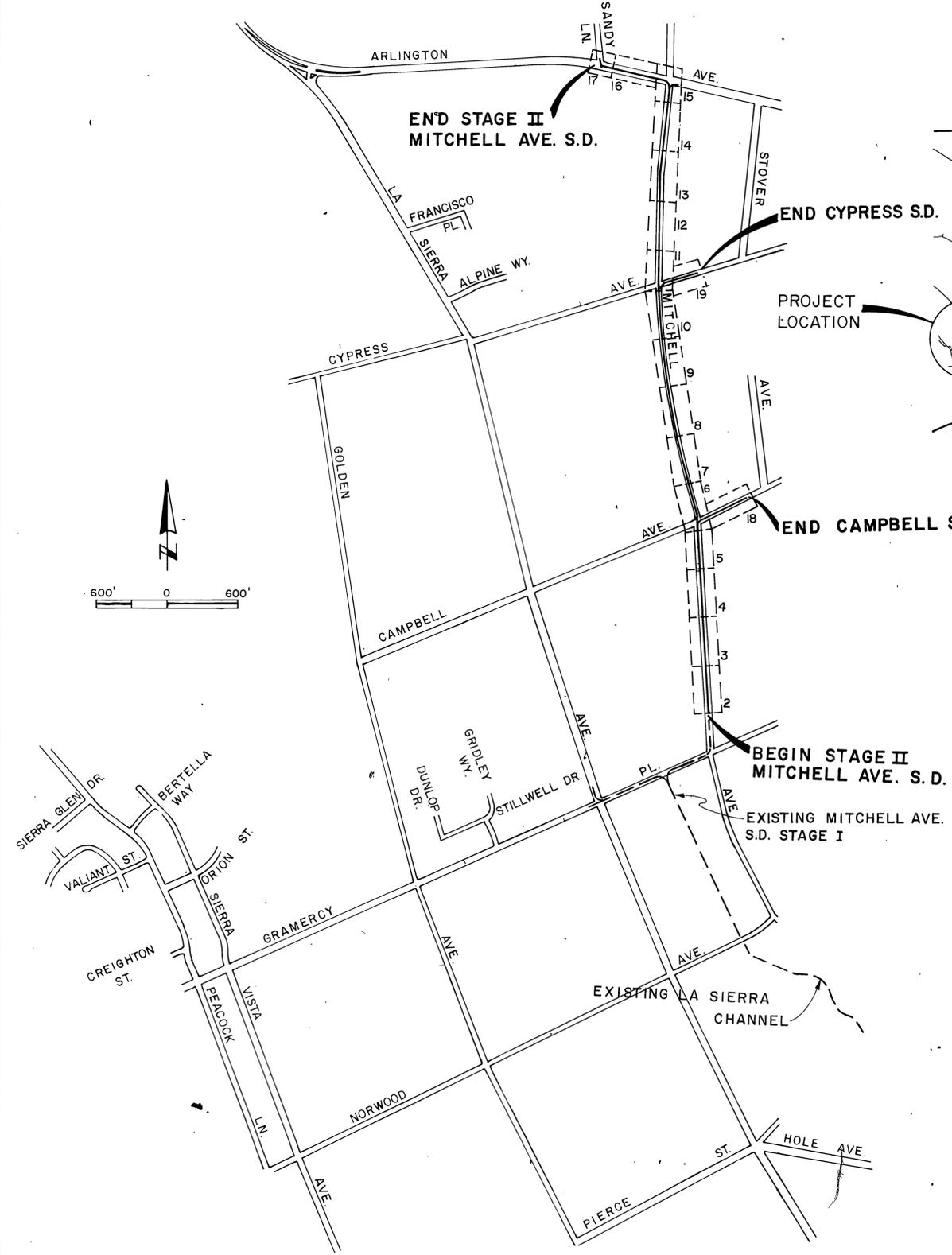
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## ABBREVIATIONS

|            |  |
|------------|--|
| ABAND.     | ABANDONED  |
| ANG. PT.   | ANGLE POINT  |
| BC         | BEGINNING OF CURVE   |
| CB         | CATCH BASIN  |
| CFS        | CUBIC FEET PER SECOND  |
| CL         | CENTERLINE   |
| CL.        | CLASS OR CLEAR   |
| CONC.      | CONCRETE   |
| CMP        | CORRUGATED METAL PIPE  |
| CMPA       | CORRUGATED METAL PIPE ARCH                                     |
| CP         | CONTROL POINT  |
| D          | DIAMETER OF PIPE OR D-LOAD                                     |
| DWG        | DRAWING  |
| DWY        | DRIVEWAY   |
| E          | EAST   |
| EC         | END OF CURVE   |
| EF         | EACH FACE  |
| ELEV.      | ELEVATION  |
| EP         | EDGE OF EXISTING PAVEMENT                                      |
| EW         | EACH WAY   |
| EXIST.     | EXISTING   |
| FPS        | FEET PER SECOND  |
| G          | GAS  |
| H          | HIGH   |
| HGL        | HYDRAULIC GRADE LINE   |
| IP         | IRON PIPE  |
| IRR        | IRRIGATION LINE  |
| JS         | JUNCTION STRUCTURE   |
| JT         | JOINT  |
| L          | LENGTH   |
| LD         | LOCAL DEPRESSION   |
| MB         | MAIL BOX   |
| MH         | MANHOLE  |
| N&T        | NAIL AND TIN   |
| NO.        | NUMBER   |
| PI         | POINT OF INTERSECTION  |
| Q          | RATE OF FLOW   |
| R          | RADIUS   |
| RCFC & WCD | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT |
| RCP        | REINFORCED CONCRETE PIPE                                       |
| R/W        | RIGHT OF WAY   |
| S          | SLOPE OR SOUTH   |
| SD         | STORM DRAIN  |
| SS         | SANITARY SEWER   |
| STA.       | STATION  |
| T          | TANGENT  |
| TRANS.     | TRANSITION   |
| TYP.       | TYPICAL  |
| V          | VELOCITY OF FLOW OR DEPTH OF CATCH BASIN                       |
| W          | WIDTH OR WEST  |

## GENERAL NOTES

- TIES FOR CATCH BASINS AS SHOWN ON THE DRAWINGS ARE FROM THE CURB RETURN TO CENTERLINE OF CATCH BASIN, UNLESS OTHERWISE SHOWN.
- JUNCTION STRUCTURE NO. 4 SHALL BE USED FOR ALL INLET CONNECTIONS TO THE MAINLINE PIPE UNLESS OTHERWISE SHOWN.
- EXISTING STORM DRAINS CUT DURING CONSTRUCTION TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE NOTED ON THE DRAWINGS AS "PLUG".
- PAVEMENT REPLACEMENT SHALL BE 3" OF ASPHALTIC CONCRETE ON 6" OF CLASS 3 BASE EXCEPT ARLINGTON AVE. WHICH SHALL BE 3" OF ASPHALTIC CONC. ON 12" OF CLASS 3 BASE.
- THE DIRT DRAINAGE DITCH ON THE WEST SIDE OF MITCHELL AVE. SHALL BE FILLED. SEE SPECIFICATIONS FOR COMPACTION REQUIREMENTS.
- THE CONTRACTOR SHALL MAKE PROVISIONS FOR MAIL DELIVERY DURING CONSTRUCTION. BETWEEN CAMPBELL AVE. & ARLINGTON AVE. THE PERMANENT INSTALLATION OF THE MAIL BOXES SHALL BE 1'-0" WEST OF THE 2 1/2" A.C. SWALE.



CITY OF RIVERSIDE

LA SIERRA

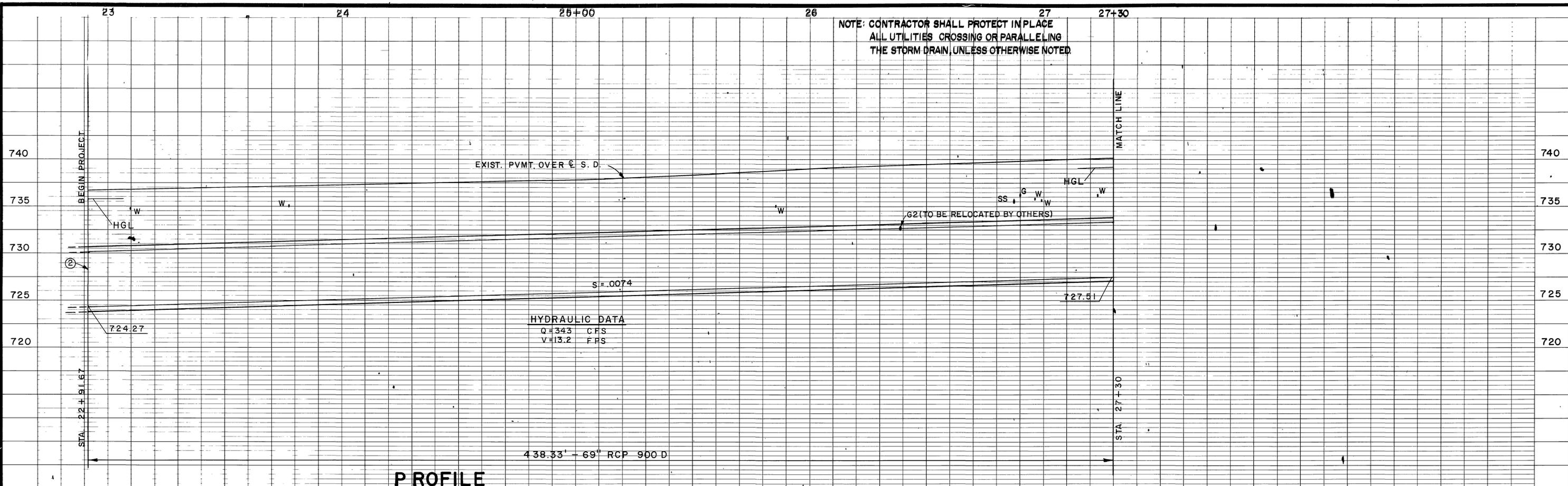
|                           |              |  |  |   |  |                     |  |
|---------------------------|--------------|--|--|---|--|---------------------|--|
| REVISIONS                 |              | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT |  | LA SIERRA CHANNEL                       |  | PROJECT NO. 1-0-065 |  |
| DESIGNED BY: A.E. PRIVITT | APPROVED BY: | MITCHELL AVENUE STORM DRAIN                                    |  | STAGE II                                |  | DRAWING NO. 1-303   |  |
| DRAWN BY: S. Moody        | DATE DRAWN:  | TITLE SHEET  |  | 1970 STORM DRAIN BOND ISSUE PROJECT NO. |  | SHEET NO. 1 OF 45   |  |
| DATE: 6-11-74             | CHECKED BY:  |  |  |   |  |                     |  |

AS BUILT

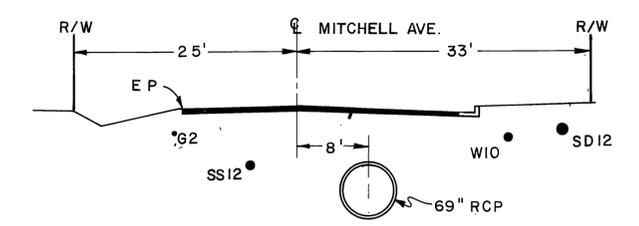
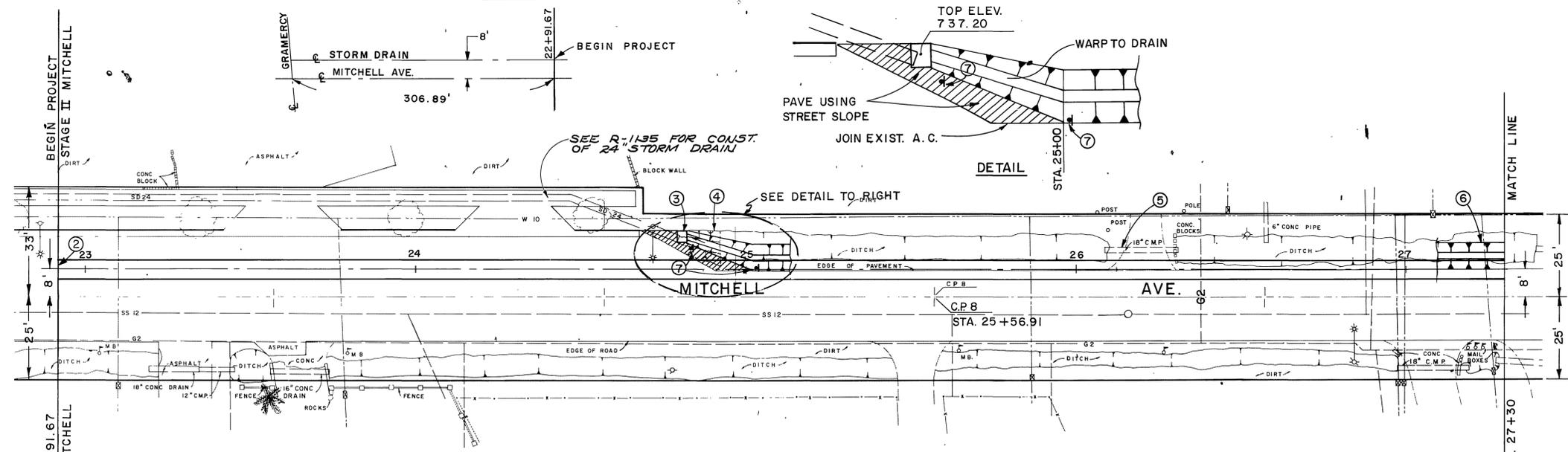
D-295

D-295

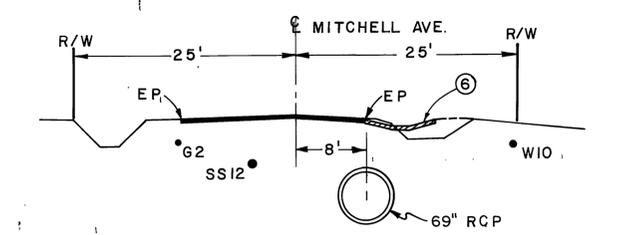
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



**P PROFILE**



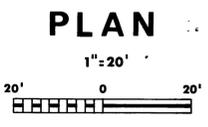
CROSS SECTION AT STA. 24+00



CROSS SECTION AT STA. 26+50

- 1 SEE DWG. NO. 1-295 FOR AS BUILT PLANS LA SIERRA CHANNEL STAGE II MITCHELL AVE. S.D.
- 2 REMOVE EXIST. TIMBER BULKHEAD.
- 3 CONC. DROP INLET. W = 3'-9" V = 3.5' JOIN EXIST. 24" S.D. WARP A.C. SWALE TO TERMINATE AT DROP INLET OPENING
- 4 REMOVE EXIST. A.C. SWALE.

- 5 REMOVE & DISPOSE OF EXIST. CULVERT.
- 6 CONSTRUCT 2 1/2" A.C. SWALE ON WEST SIDE OF MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- 7 INSTALL CLEARANCE MARKERS.



**PLAN**

BENCH MARK C.P. NO. 8 SET N&T @ MITCHELL AVE. AT STA. 25+57 ELEV. 738.66

| REVISIONS | DESCRIPTION | DATE |
|-----------|-------------|------|
|           |             |      |
|           |             |      |

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

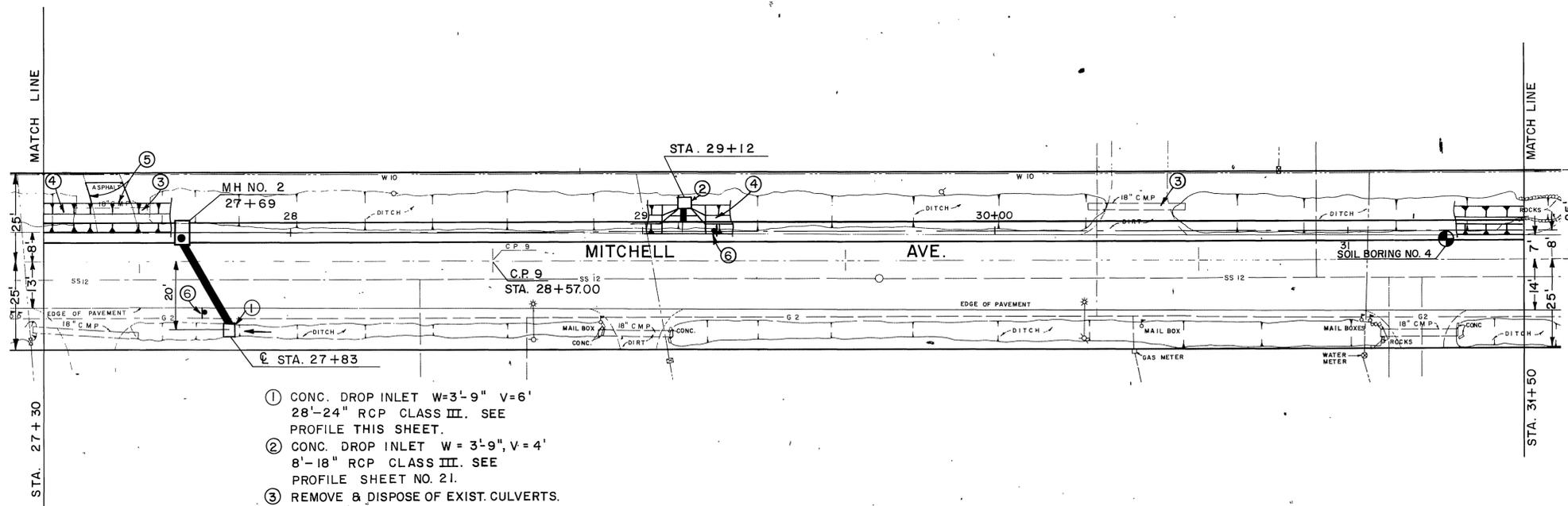
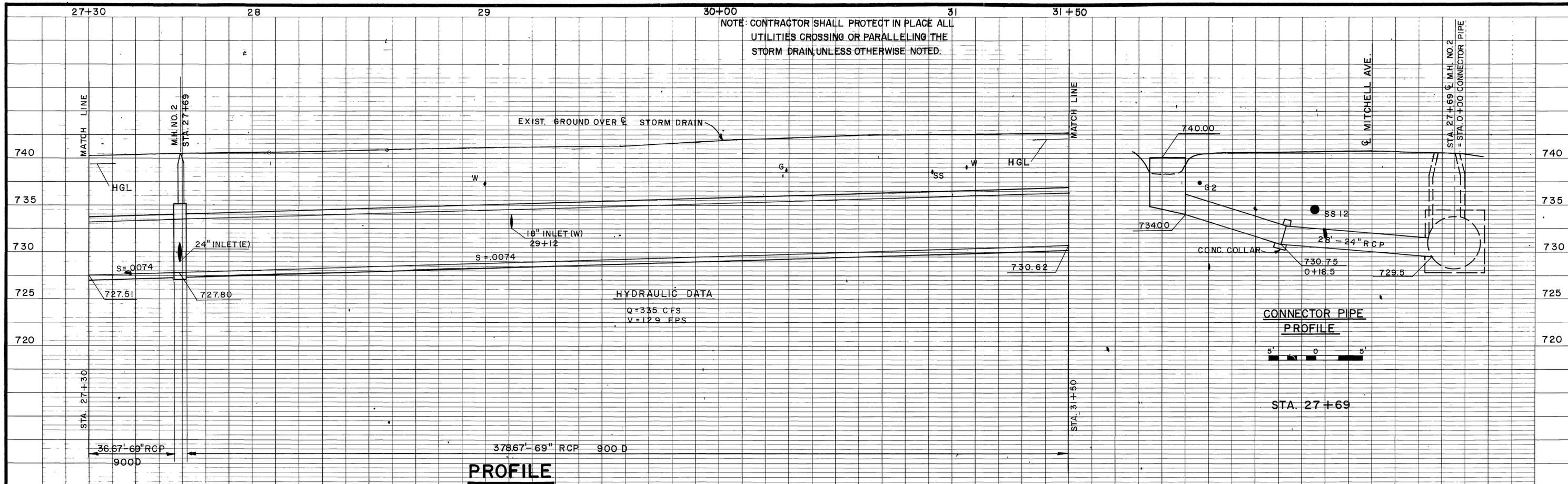
DESIGNED BY: A.E. PRMITI  
 DRAWN BY: S. Moody  
 DATE DRAWN: 6-11-74

APPROVED BY: *John W. Bryant*  
 CHIEF ENGINEER R.E. NO. 8822

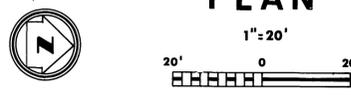
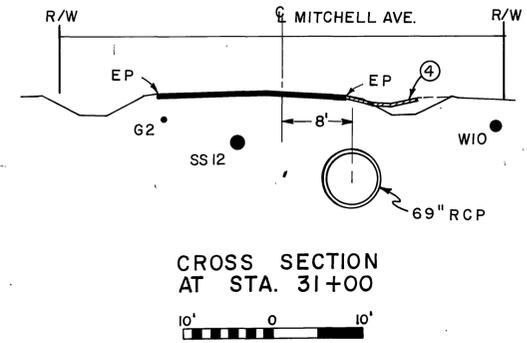
LA SIERRA CHANNEL  
 MITCHELL AVENUE STORM DRAIN  
 STAGE II  
 STA. 22+91.67 TO STA. 27+30  
 1970 STORM DRAIN BOND ISSUE PROJECT NO. 19

PROJECT NO. 1-0-065  
 DRAWING NO. 1-303  
 SHEET NO. 2 OF 45

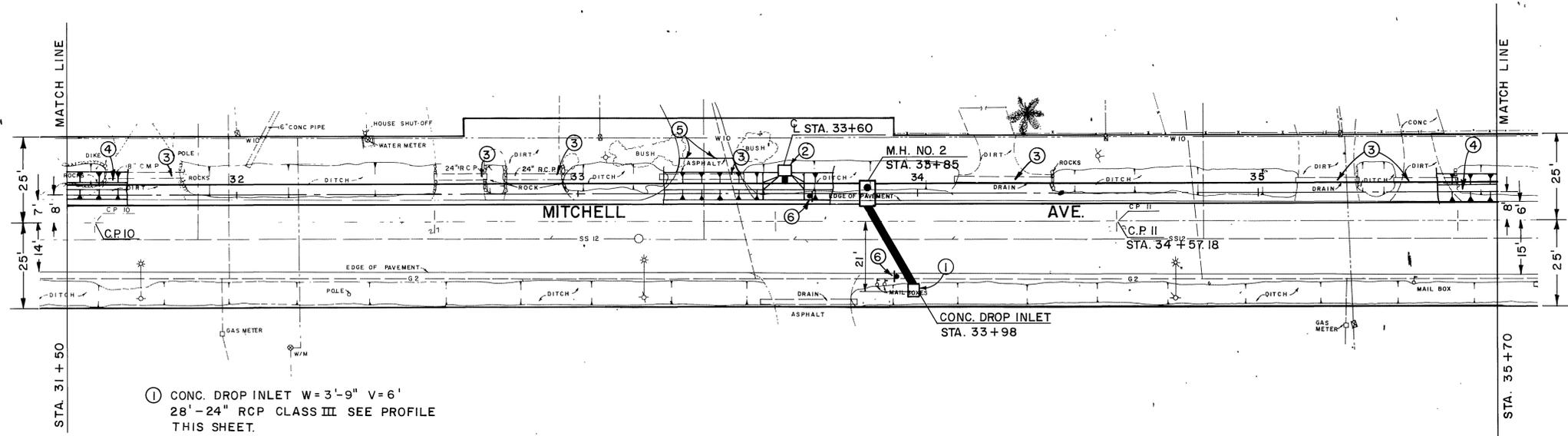
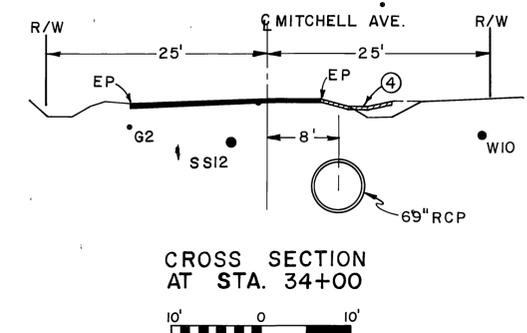
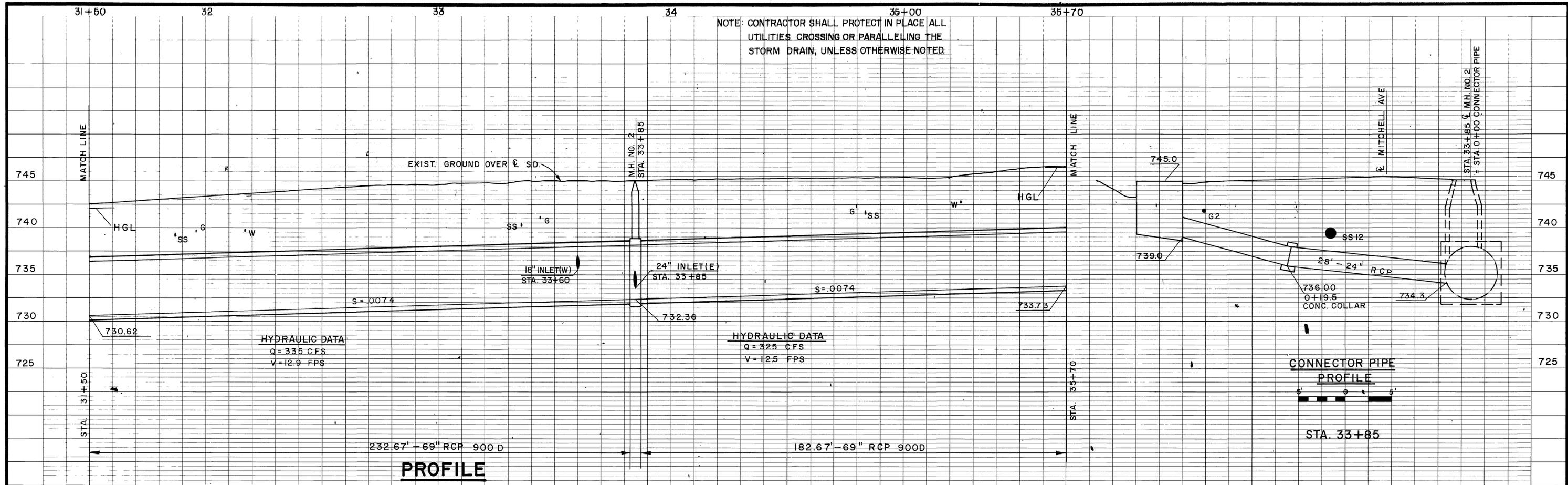
AS BUILT



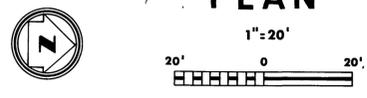
- ① CONC. DROP INLET W=3'-9" V=6'  
28"-24" RCP CLASS III. SEE PROFILE THIS SHEET.
- ② CONC. DROP INLET W=3'-9" V=4'  
8'-18" RCP CLASS III. SEE PROFILE SHEET NO. 21.
- ③ REMOVE & DISPOSE OF EXIST. CULVERTS.
- ④ CONST. 2 1/2" A.C. SWALE ON WEST SIDE OF MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- ⑤ REMOVE & REPLACE PORTIONS OF EXIST. ASPHALT DRIVE TO PROVIDE FOR SMOOTH JOIN.
- ⑥ INSTALL CLEARANCE MARKERS.



| BENCH MARK C.P. NO. 9 SET N&T & MITCHELL AVE AT STA. 28+57 ELEV. 741.10.<br>SCALE:<br>DATE: | REVISIONS<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REF.</th> <th>DESCRIPTION</th> <th>APPR. DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> | REF.       | DESCRIPTION | APPR. DATE |  |  |  | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT<br>DESIGNED BY: A. PRIVITT<br>DRAWN BY: S. Moody<br>DATE DRAWN:<br>CHECKED BY: | APPROVED BY:<br><br>JOHN BRYANT<br>CHIEF ENGINEER R.E. NO. 8822<br>DATE: 6-11-74 | PROJECT NO. 1-0-065<br>DRAWING NO. 1-303<br>SHEET NO. 3 OF 45<br>LA SIERRA CHANNEL<br>MITCHELL AVENUE STORM DRAIN<br>STAGE II<br>STA. 27+30 TO STA. 31+50<br>1970 STORM DRAIN BOND ISSUE PROJECT NO. 19 |
|---|--|------------|-------------|------------|--|--|--|---|--|---|
| REF.  | DESCRIPTION  | APPR. DATE |             |            |  |  |  |   |  |   |
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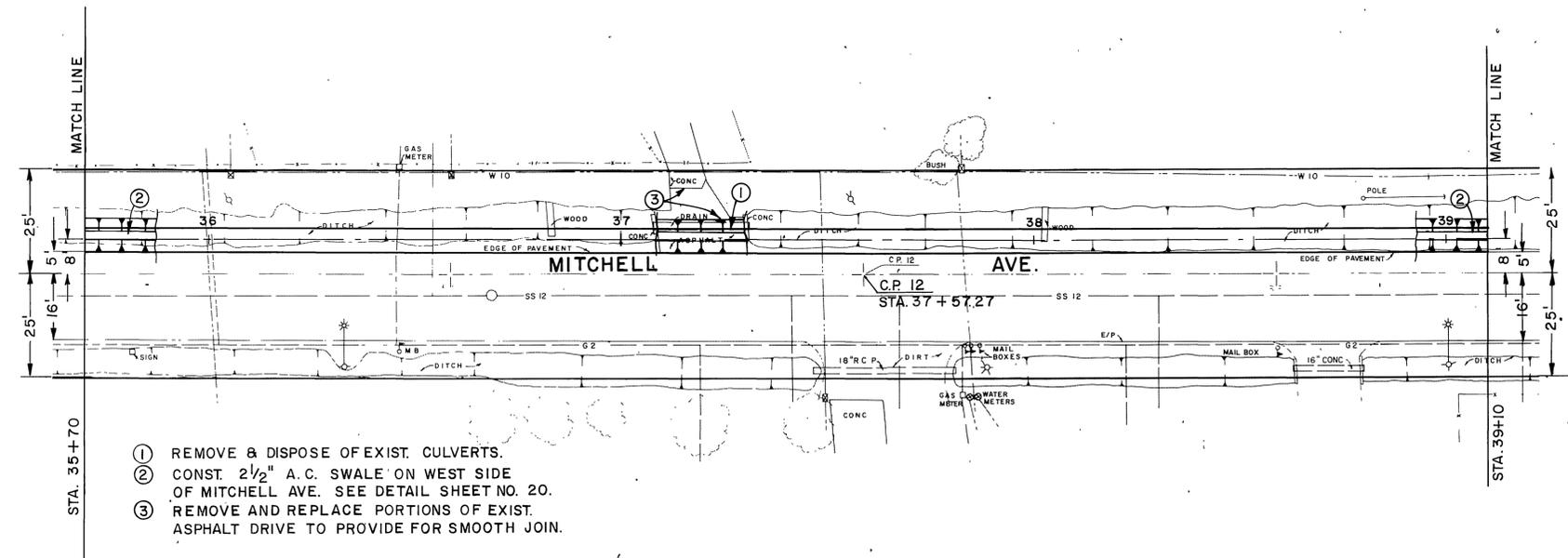
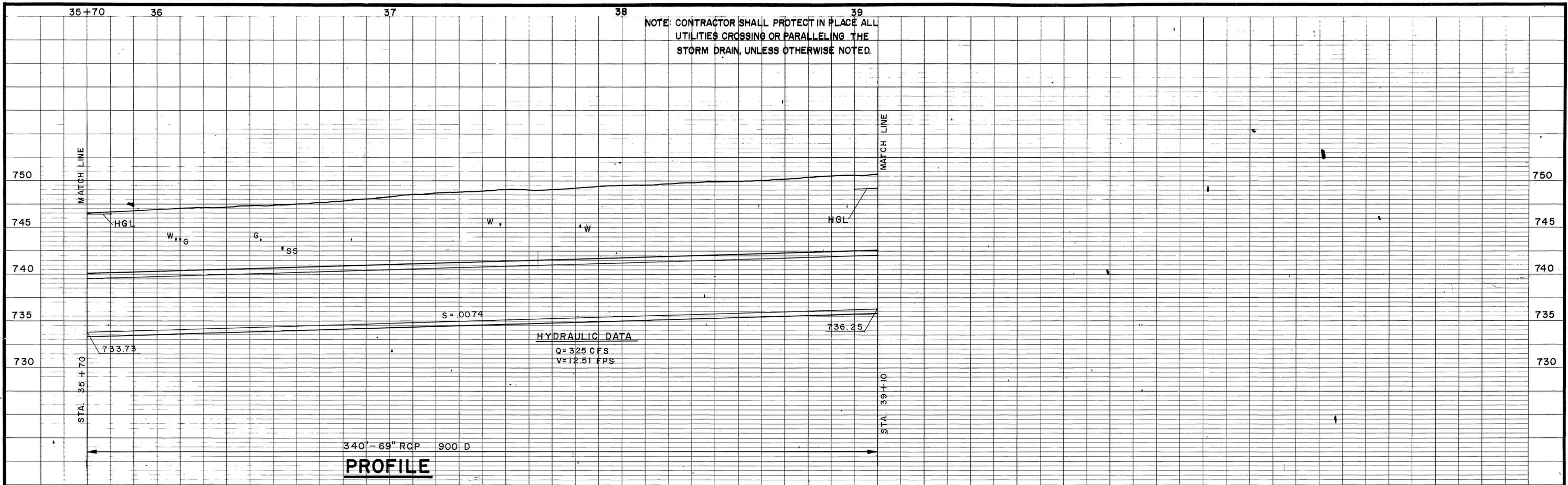


- ① CONC. DROP INLET W=3'-9" V=6'  
28'-24" RCP CLASS III SEE PROFILE THIS SHEET.
- ② CONC. DROP INLET W=3'-9" V=4'  
8'-18" RCP CLASS III. SEE PROFILE SHEET NO. 21.
- ③ REMOVE & DISPOSE OF EXIST. CULVERTS
- ④ CONST. 2 1/2" A.C. SWALE ON WEST SIDE OF MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- ⑤ REMOVE & REPLACE PORTIONS OF EXIST. ASPHALT DRIVE TO PROVIDE FOR SMOOTH JOIN.
- ⑥ INSTALL CLEARANCE MARKERS.

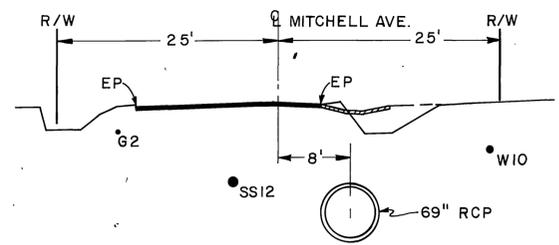


| BENCH MARK: C.P. NO. II SET N&T @ MITCHELL AVE. AT STA. 34+58 ELEV. 745.80<br>SCALE: _____<br>DATE: _____ | REVISIONS<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> | NO.  | DESCRIPTION | DATE |  |  |  | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT<br>DESIGNED BY: A. PRIVITT<br>DRAWN BY: J. Moody<br>DATE DRAWN: _____<br>CHECKED BY: _____ | APPROVED BY:<br><br>CHIEF ENGINEER R.C. NO. 8822<br>DATE: 6-11-74 | PROJECT NO. 1-0-065<br>DRAWING NO. 1-303<br>SHEET NO. 4 OF 45<br>LA SIERRA CHANNEL<br>MITCHELL AVENUE STORM DRAIN<br>STAGE II<br>STA. 31+50 TO STA. 35+70<br>1970 STORM DRAIN BOND ISSUE PROJECT NO. 19 |
|---|---|------|-------------|------|--|--|--|---|---|---|
| NO.   | DESCRIPTION   | DATE |             |      |  |  |  |   |   |   |
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AS BUILT



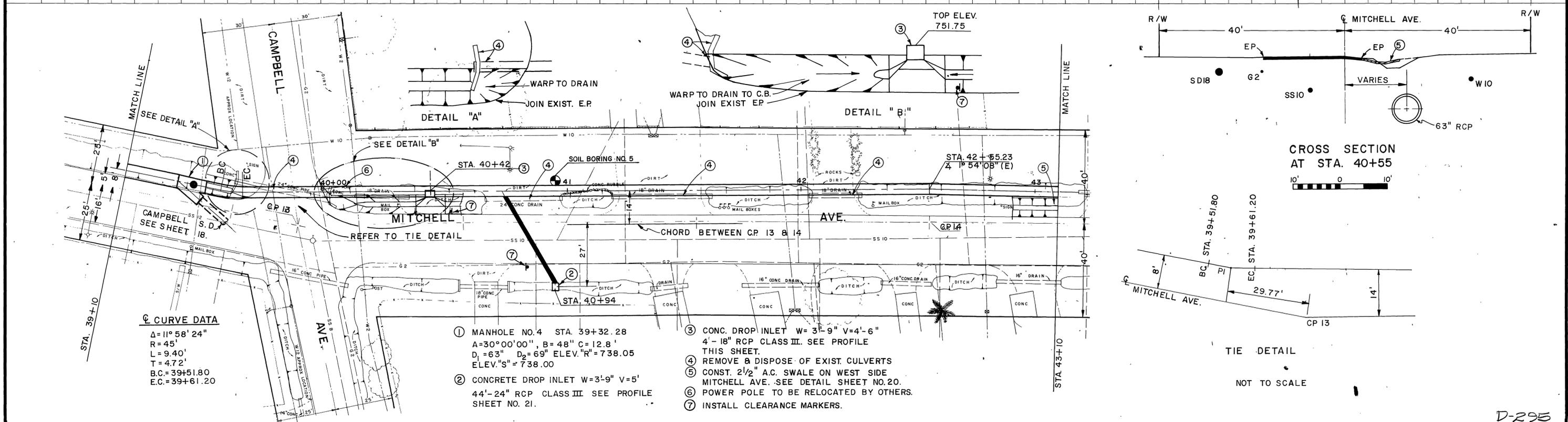
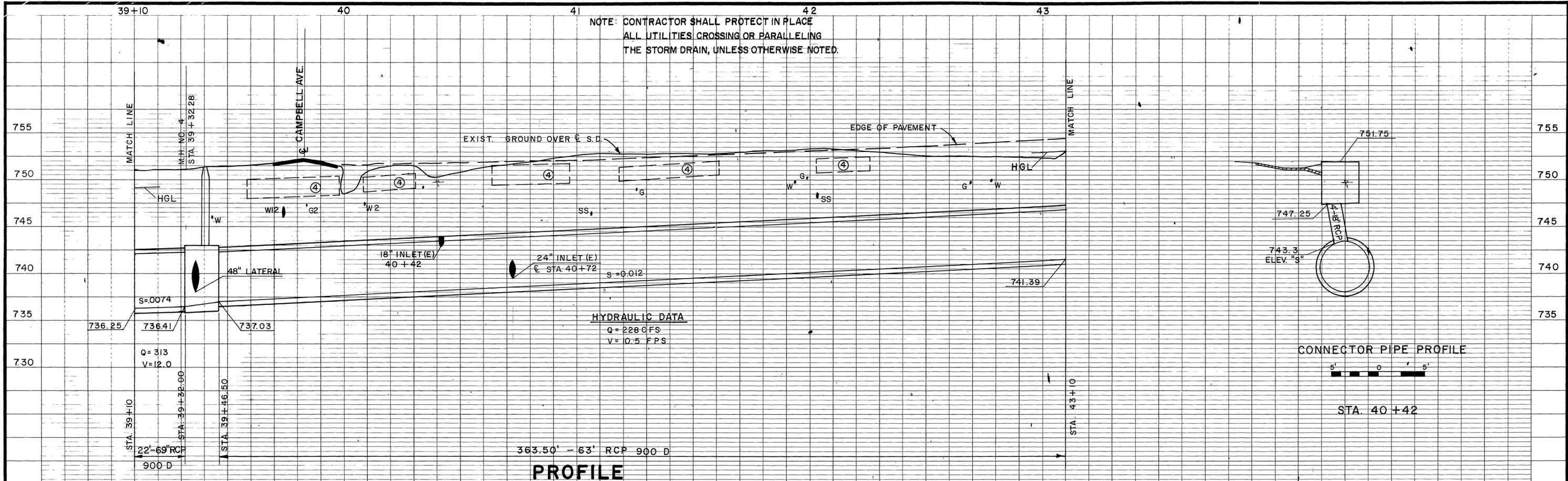
- ① REMOVE & DISPOSE OF EXIST. CULVERTS.
- ② CONST. 2 1/2" A.C. SWALE ON WEST SIDE OF MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- ③ REMOVE AND REPLACE PORTIONS OF EXIST. ASPHALT DRIVE TO PROVIDE FOR SMOOTH JOIN.



| BENCH MARK C.P. NO. 12 SET N&T @ MITCHELL AVE. AT STA. 37+58 ELEV. 749.61<br>SCALE:<br>DATE: | REVISIONS<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REF.</th> <th>DESCRIPTION</th> <th>APPR. DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> | REF.       | DESCRIPTION | APPR. DATE |  |  |  | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT<br>DESIGNED BY: A. PRIVITT<br>DRAWN BY: S. Moody<br>DATE DRAWN:<br>CHECKED BY: | APPROVED BY:<br><br>CHIEF ENGINEER R.E. NO. 8822<br>DATE: 6-11-74 | LA SIERRA CHANNEL<br>MITCHELL AVENUE STORM DRAIN<br>STAGE II<br>STA. 35+70 TO STA. 39+10<br>1970 STORM DRAIN BOND ISSUE PROJECT NO. 19 | PROJECT NO. 1-0-065<br>DRAWING NO. 1-303<br>SHEET NO. 5 OF 45 |
|--|--|------------|-------------|------------|--|--|--|---|---|--|---|
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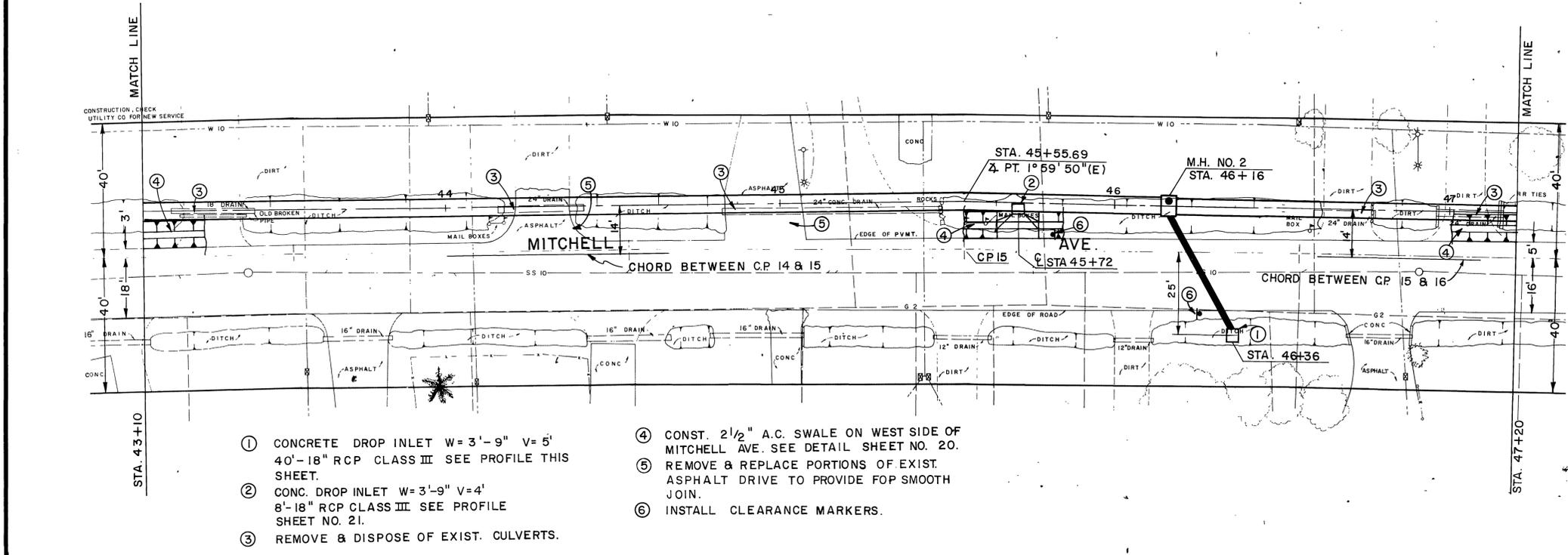
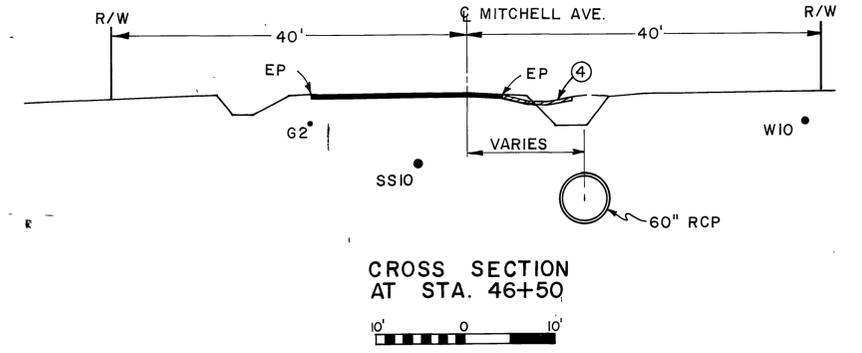
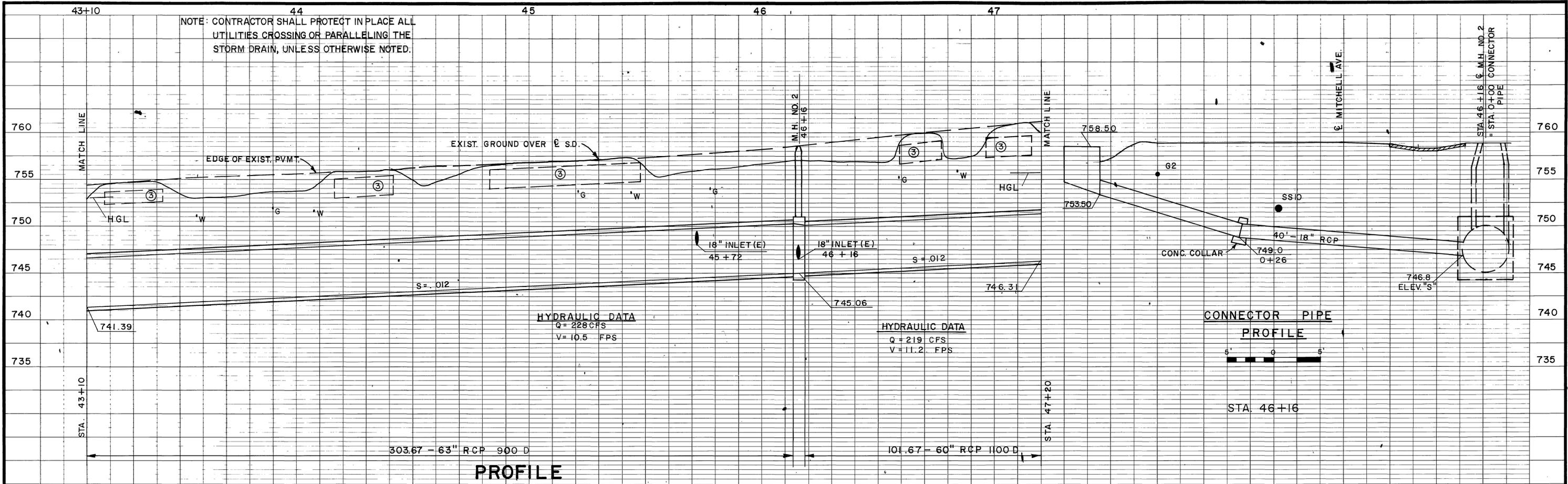
AS BUILT

D-295



- ① MANHOLE NO. 4 STA. 39+32.28  
A=30°00'00", B=48" C=12.8'  
D<sub>1</sub>=63" D<sub>2</sub>=69" ELEV."R"=738.05  
ELEV."S"=738.00
- ② CONCRETE DROP INLET W=3'-9" V=5'  
44'-24" RCP CLASS III SEE PROFILE  
SHEET NO. 21.
- ③ CONC. DROP INLET W=3'-9" V=4'-6"  
4'-18" RCP CLASS III. SEE PROFILE  
THIS SHEET.
- ④ REMOVE & DISPOSE OF EXIST. CULVERTS
- ⑤ CONST. 2 1/2" A.C. SWALE ON WEST SIDE  
MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- ⑥ POWER POLE TO BE RELOCATED BY OTHERS.
- ⑦ INSTALL CLEARANCE MARKERS.

|   |  |  |  |   |  |  |  |   |  |
|---|--|--|--|---|--|--|--|---|--|
| <b>REVISIONS</b><br>REF. DESCRIPTION APPR. DATE |  | <b>RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT</b><br>DESIGNED BY: A.E. PRIVITT<br>DRAWN BY: D. Moody<br>DATE DRAWN: 6-11-74<br>CHECKED BY: |  | APPROVED BY:<br><br>CHIEF ENGINEER R.E. NO. 8822<br>DATE: 6-11-74 |  | <b>LA SIERRA CHANNEL<br/>MITCHELL AVENUE STORM DRAIN<br/>STAGE II<br/>STA 39+10 TO STA. 43+10<br/>1970 STORM DRAIN BOND ISSUE PROJECT NO. 19</b> |  | PROJECT NO.<br><b>1-0-065</b><br>DRAWING NO.<br><b>1-303</b><br>SHEET NO.<br><b>6 OF 45</b> |  |
| <b>AS BUILT</b>                                 |  |  |  |   |  |  |  |   |  |



- ① CONCRETE DROP INLET W = 3'-9" V = 5'  
40'-18" RCP CLASS III SEE PROFILE THIS SHEET.
- ② CONC. DROP INLET W = 3'-9" V = 4'  
8'-18" RCP CLASS III SEE PROFILE SHEET NO. 21.
- ③ REMOVE & DISPOSE OF EXIST. CULVERTS.
- ④ CONST. 2 1/2" A.C. SWALE ON WEST SIDE OF MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- ⑤ REMOVE & REPLACE PORTIONS OF EXIST. ASPHALT DRIVE TO PROVIDE FOP SMOOTH JOIN.
- ⑥ INSTALL CLEARANCE MARKERS.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| BENCH MARK C.P. NO. 15 SET N&T<br>@ MITCHELL AVE. AT STA.<br>STA. 45+55 ELEV. 757.49<br>SCALE:<br>DATE: | REVISIONS  |  | RIVERSIDE COUNTY FLOOD CONTROL<br>AND<br>WATER CONSERVATION DISTRICT |  | PROJECT NO.<br>1-0-065<br>DRAWING NO.<br>1-303<br>SHEET NO.<br>7 OF 45 |
|   | DESIGNED BY: A. PRIVITT<br>DRAWN BY: S. Moody<br>DATE DRAWN: | APPROVED BY:<br><i>John W. Bayant</i><br>CHIEF ENGINEER R.E. NO. 8822<br>DATE: 6-11-74 | CHECKED BY:  | LA SIERRA CHANNEL<br>MITCHELL AVENUE STORM DRAIN<br>STAGE II<br>STA. 43+10 TO STA. 47+20<br>1970 STORM DRAIN BOND ISSUE PROJECT NO. 19 |  |

47+20

48

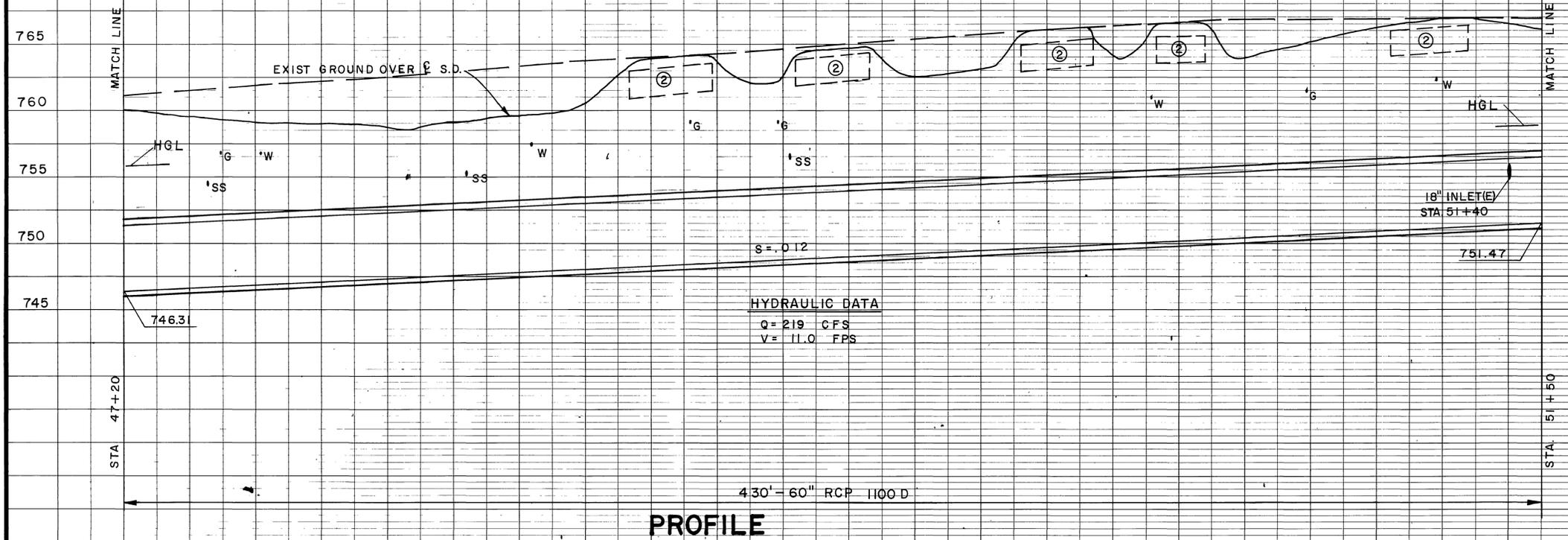
49

50

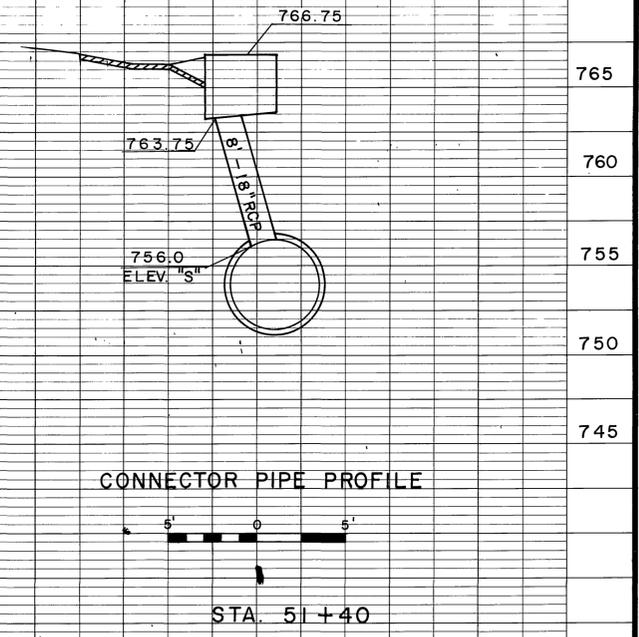
51

51+50

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

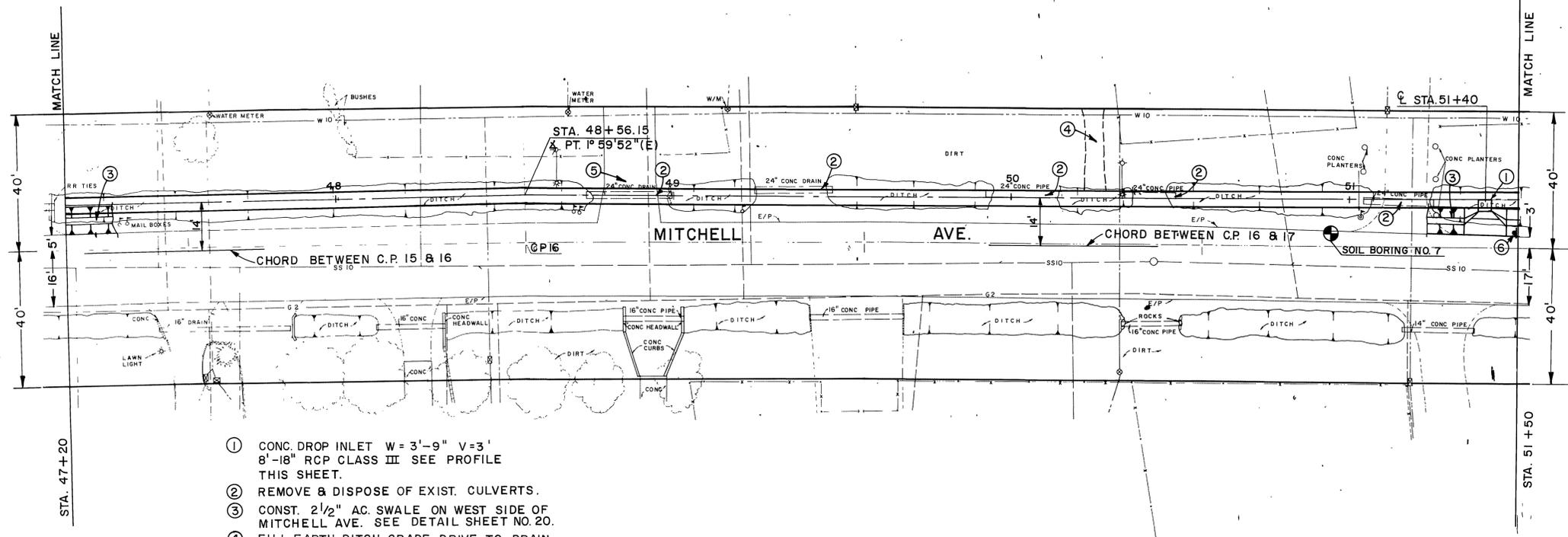


PROFILE



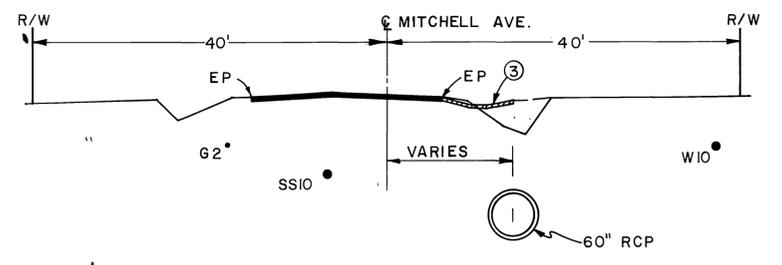
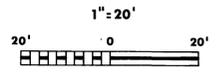
CONNECTOR PIPE PROFILE

STA. 51+40



- ① CONC. DROP INLET W = 3'-9" V = 3' 8'-18" RCP CLASS III SEE PROFILE THIS SHEET.
- ② REMOVE & DISPOSE OF EXIST. CULVERTS.
- ③ CONST. 2 1/2" AC. SWALE ON WEST SIDE OF MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- ④ FILL EARTH DITCH. GRADE DRIVE TO DRAIN TO AC. SWALE.
- ⑤ REMOVE & REPLACE PORTIONS OF EXIST. ASPHALT DRIVE TO PROVIDE FOR SMOOTH JOIN.
- ⑥ INSTALL CLEARANCE MARKER.

PLAN

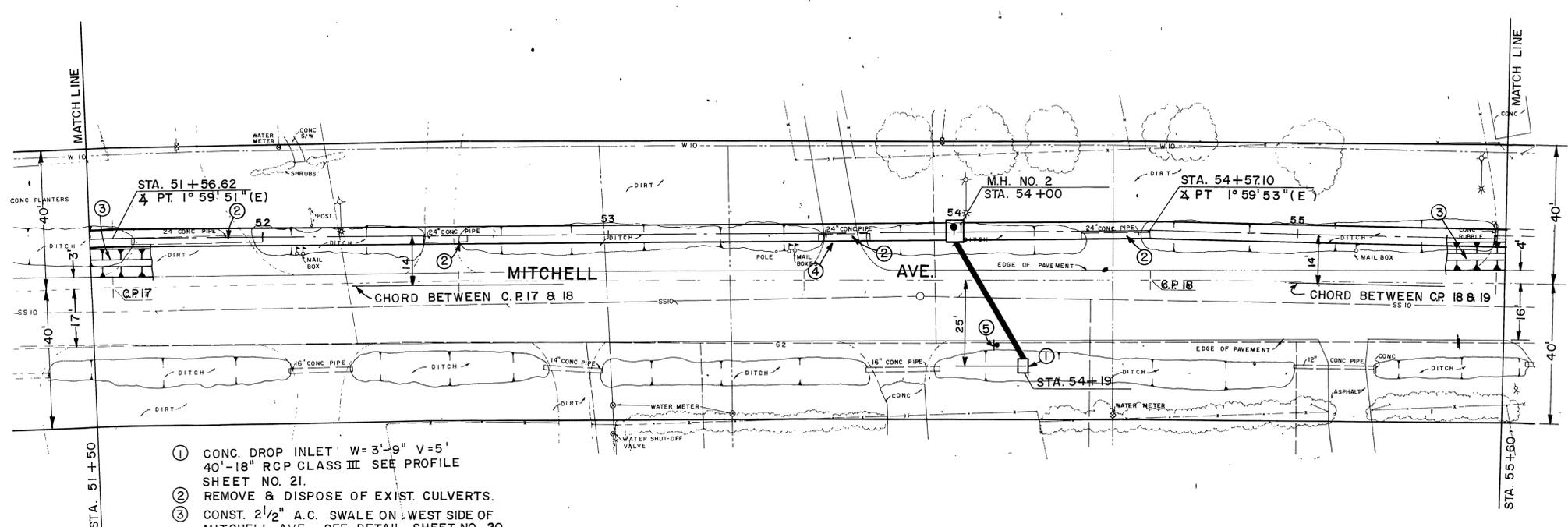
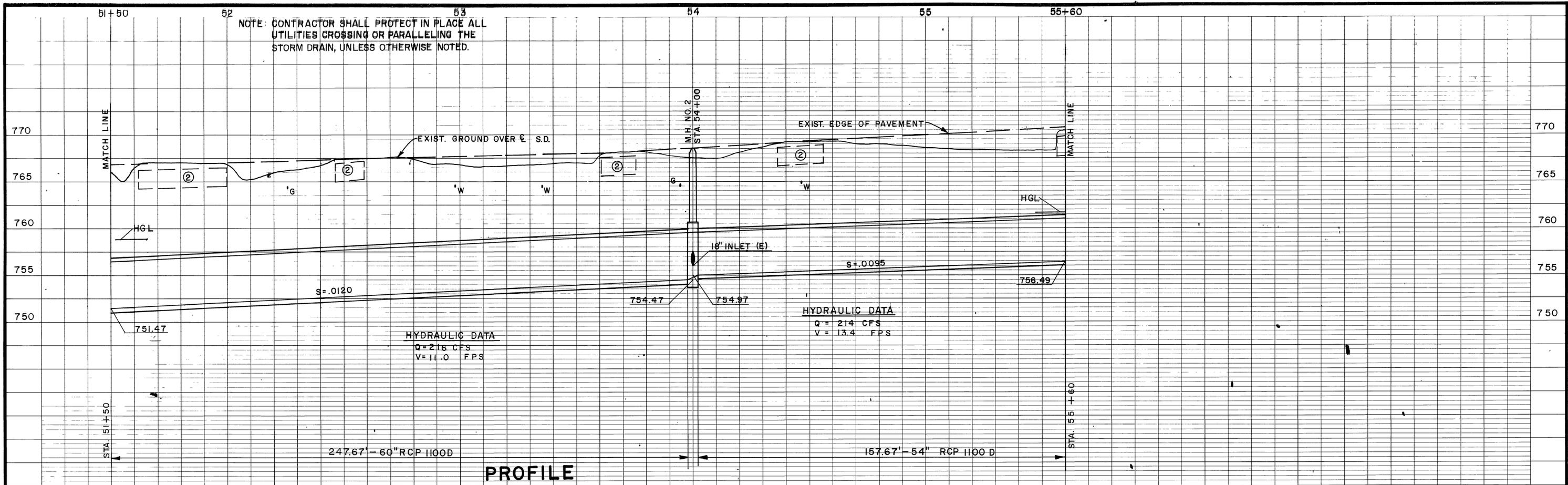


CROSS SECTION AT STA. 48+50

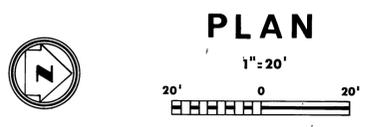
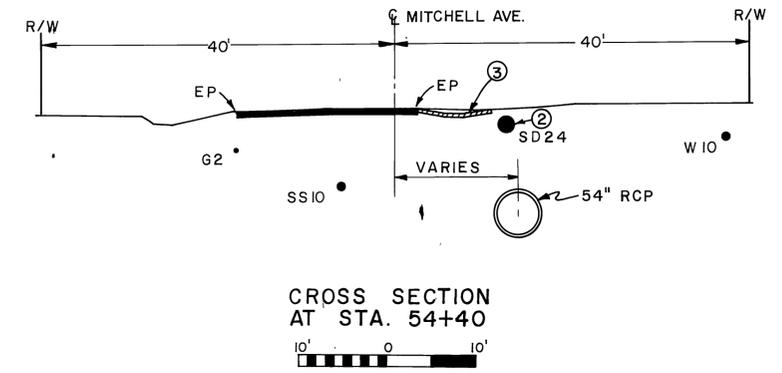
|  |  |  |  |                           |  |
|--|--|--|--|---------------------------|--|
| BENCH MARK C.P. NO. 16. SET N&T<br>@ MITCHELL AVE. AT STA.<br>48+56 ELEV. 763.80.<br>SCALE:<br>DATE: | REVISIONS  |  | RIVERSIDE COUNTY FLOOD CONTROL<br>AND<br>WATER CONSERVATION DISTRICT |                           | PROJECT NO.<br>1-0-065<br>DRAWING NO.<br>1-303<br>SHEET NO.<br>8 OF 45 |
|  | DESIGNED BY: A. PRIVITT<br>DRAWN BY: <i>Moody</i><br>DATE DRAWN: | APPROVED BY:<br><i>John W. Bryant</i><br>CHIEF ENGINEER P.E. NO. 8822<br>DATE: 6-11-74 | CHECKED BY:  | DESCRIPTION<br>APPR. DATE |  |

AS BUILT

D-295



- ① CONC. DROP INLET W=3'-9" V=5'  
40'-18" RCP CLASS III SEE PROFILE SHEET NO. 21.
- ② REMOVE & DISPOSE OF EXIST. CULVERTS.
- ③ CONST. 2 1/2" A.C. SWALE ON WEST SIDE OF MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- ④ REMOVE & REPLACE PORTIONS OF EXIST. DRIVE TO PROVIDE FOR SMOOTH JOIN.
- ⑤ INSTALL CLEARANCE MARKER.

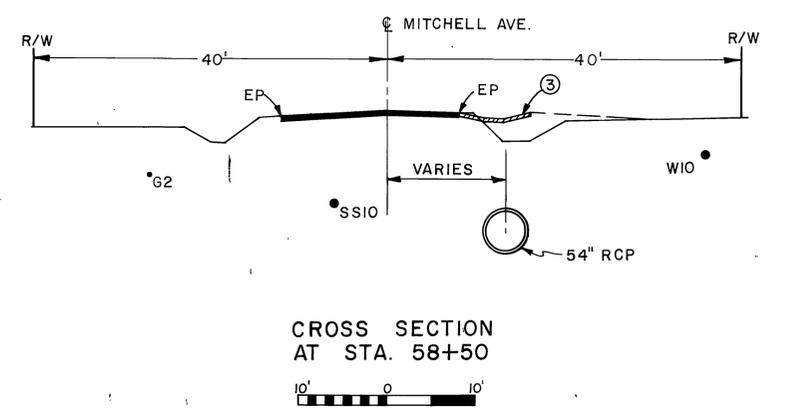
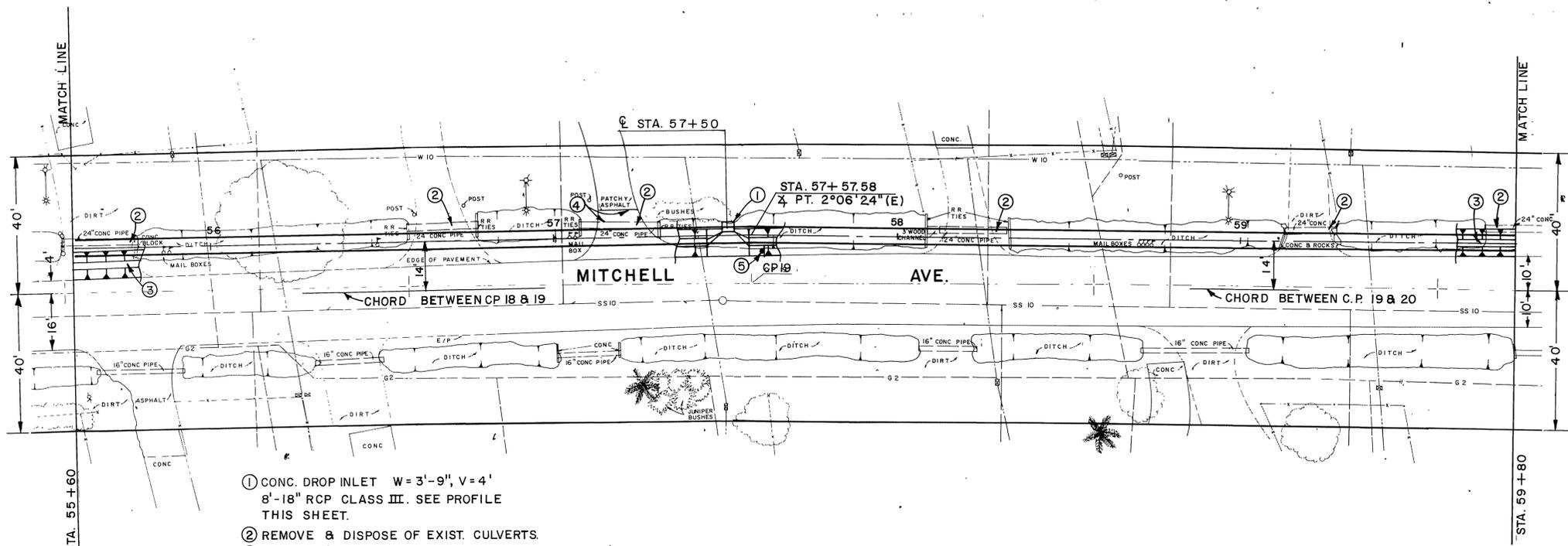
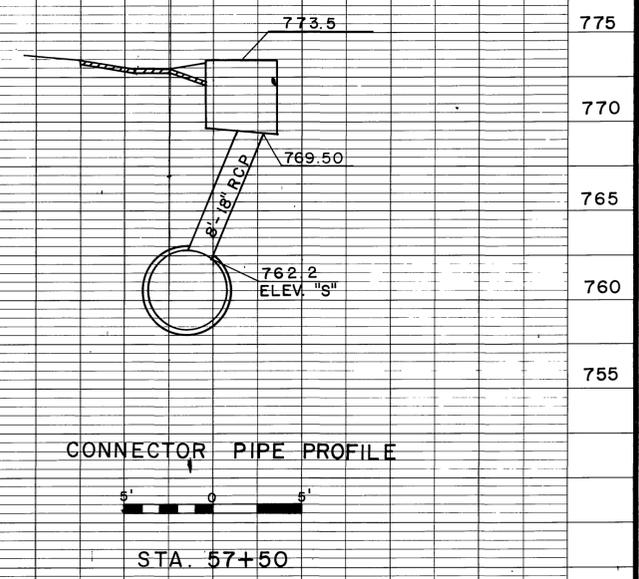
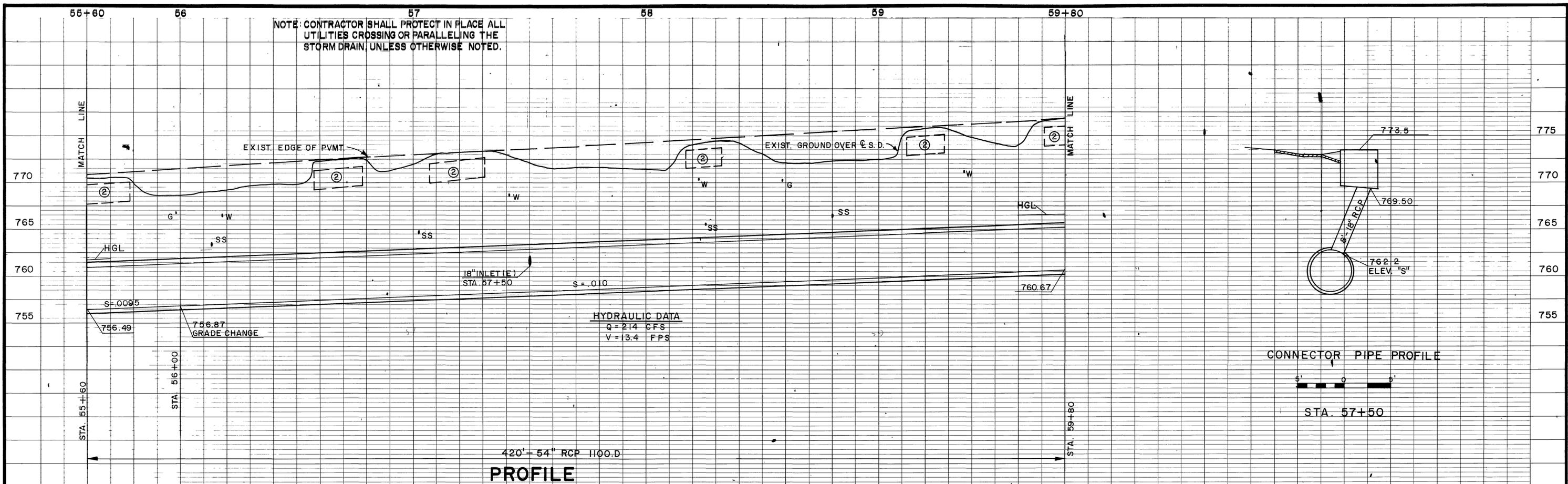


|   |           |             |  |  |                     |
|---|-----------|-------------|--|--|---------------------|
| BENCH MARK C.P. NO. 18 SET NBT & MITCHELL AVE. AT STA. 54+57 ELEV. 769.22 | REVISIONS |             | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT |  | PROJECT NO. 1-0-065 |
|   | SCALE:    | DATE:       | DESIGNED BY: A. PRIVITT  | APPROVED BY: <i>John W. Bryant</i><br>CHIEF ENGINEER R.E. NO. 8822 |                     |
| DATE:   | REF.      | DESCRIPTION | APPR. DATE   | CHECKED BY:  | SHEET NO. 9 OF 45   |

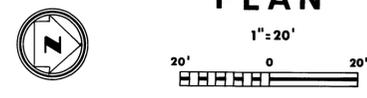
AS BUILT

LA SIERRA CHANNEL  
MITCHELL AVENUE STORM DRAIN  
STAGE II  
STA. 51+50 TO STA. 55+60  
1970 STORM DRAIN BOND ISSUE PROJECT NO. 19

D-295

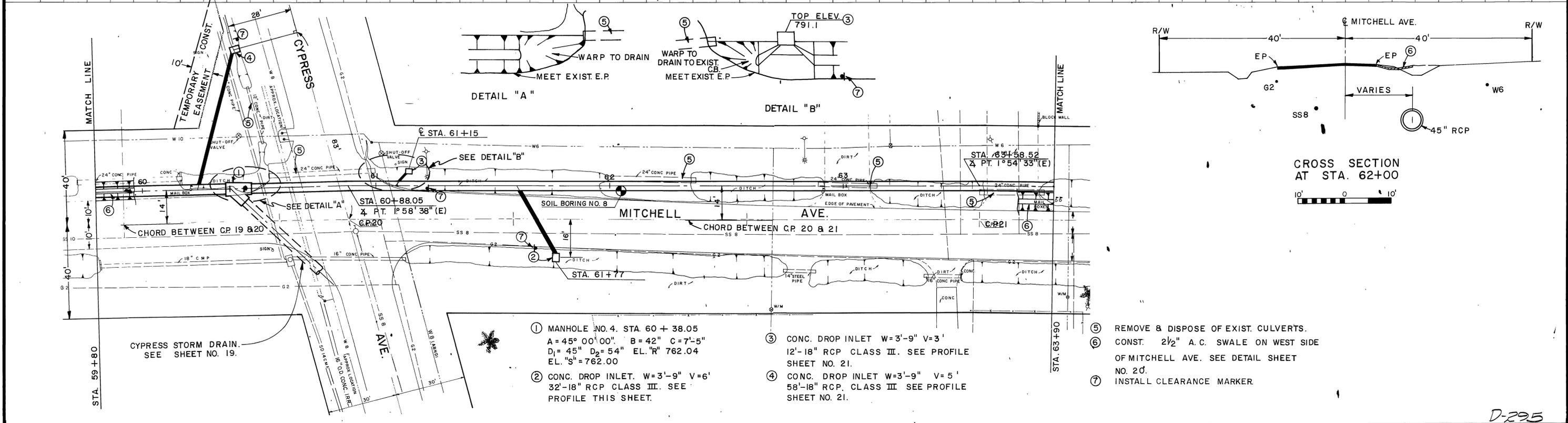
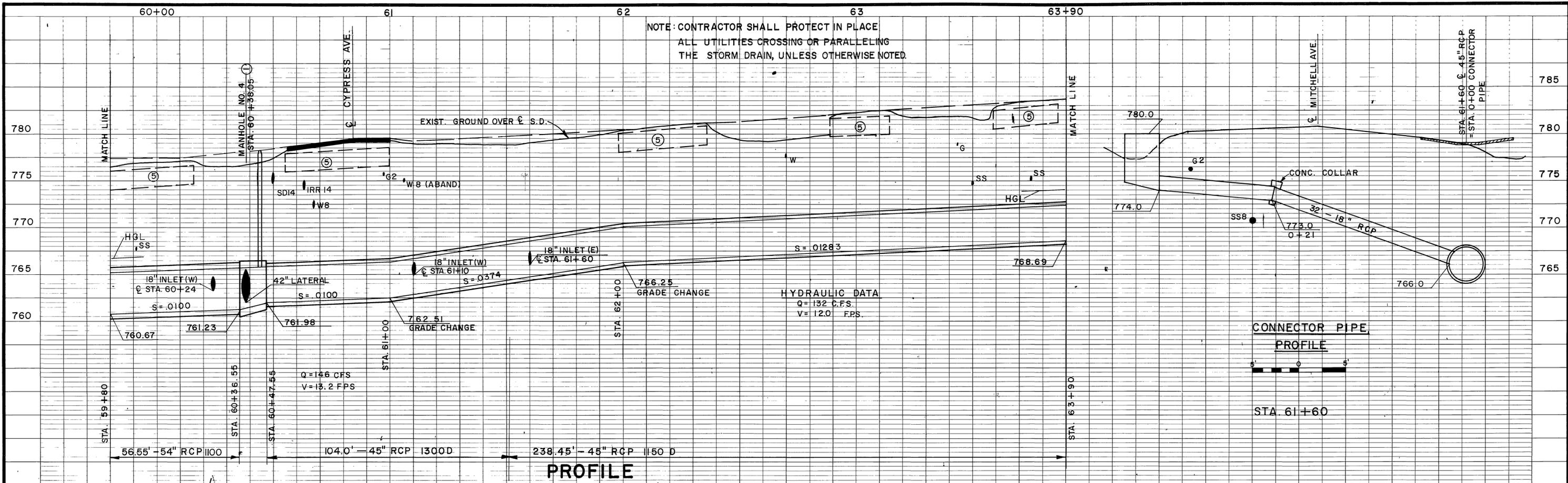


- ① CONC. DROP INLET W = 3'-9", V = 4'  
8'-18" RCP CLASS III. SEE PROFILE  
THIS SHEET.
- ② REMOVE & DISPOSE OF EXIST. CULVERTS.
- ③ CONST. 2 1/2" A.C. SWALE ON WEST OF  
MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- ④ REMOVE & REPLACE PORTIONS OF EXIST.  
DRIVE TO PROVIDE FOR SMOOTH JOIN.
- ⑤ INSTALL CLEARANCE MARKER.



| <b>PLAN</b><br>1" = 20'<br>0 20 40 |             | BENCH MARK C.P. NO. 19 SET<br>N 8 T & MITCHELL AVE. AT<br>STA. 57 + 57 ELEV. 773.80. | REVISIONS<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REF.</th> <th>DESCRIPTION</th> <th>APPR.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> | REF. | DESCRIPTION | APPR. | DATE |  |  |  |  | RIVERSIDE COUNTY FLOOD CONTROL<br>AND<br>WATER CONSERVATION DISTRICT<br>DESIGNED BY: A. PRIVITT<br>DRAWN BY: S. Moody<br>DATE DRAWN: 6-11-74<br>CHECKED BY: | APPROVED BY:<br><br>CHIEF ENGINEER R.E. NO. 8822<br>DATE: 6-11-74 | <b>LA SIERRA CHANNEL</b><br><b>MITCHELL AVENUE STORM DRAIN</b><br>STAGE II<br>STA. 55+60 TO STA. 59+80<br>1970 STORM DRAIN BOND ISSUE PROJECT NO. 19 | PROJECT NO.<br><b>1-0-065</b><br>DRAWING NO.<br><b>1-303</b><br>SHEET NO.<br><b>10 OF 45</b> |
|------------------------------------|-------------|--|--|------|-------------|-------|------|--|--|--|--|---|---|--|--|
| REF.                               | DESCRIPTION | APPR.  | DATE   |      |             |       |      |  |  |  |  |   |   |  |  |
|                                    |             |  |  |      |             |       |      |  |  |  |  |   |   |  |  |

AS BUILT



- ① MANHOLE NO. 4. STA. 60 + 38.05  
A = 45° 00' 00", B = 42" C = 7'-5"  
D<sub>1</sub> = 45" D<sub>2</sub> = 54" EL. "R" 762.04  
EL. "S" = 762.00
- ② CONC. DROP INLET. W=3'-9" V=6'  
32'-18" RCP CLASS III. SEE  
PROFILE THIS SHEET.
- ③ CONC. DROP INLET W=3'-9" V=3'  
12'-18" RCP CLASS III. SEE PROFILE  
SHEET NO. 21.
- ④ CONC. DROP INLET W=3'-9" V=5'  
58'-18" RCP. CLASS III SEE PROFILE  
SHEET NO. 21.
- ⑤ REMOVE & DISPOSE OF EXIST. CULVERTS.
- ⑥ CONST. 2 1/2" A.C. SWALE ON WEST SIDE  
OF MITCHELL AVE. SEE DETAIL SHEET  
NO. 20.
- ⑦ INSTALL CLEARANCE MARKER.

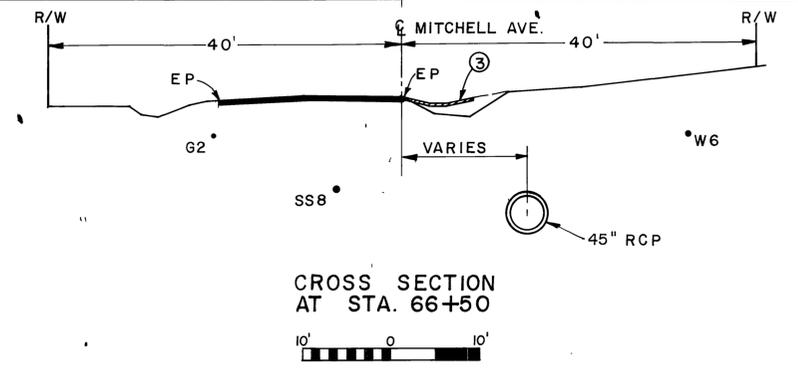
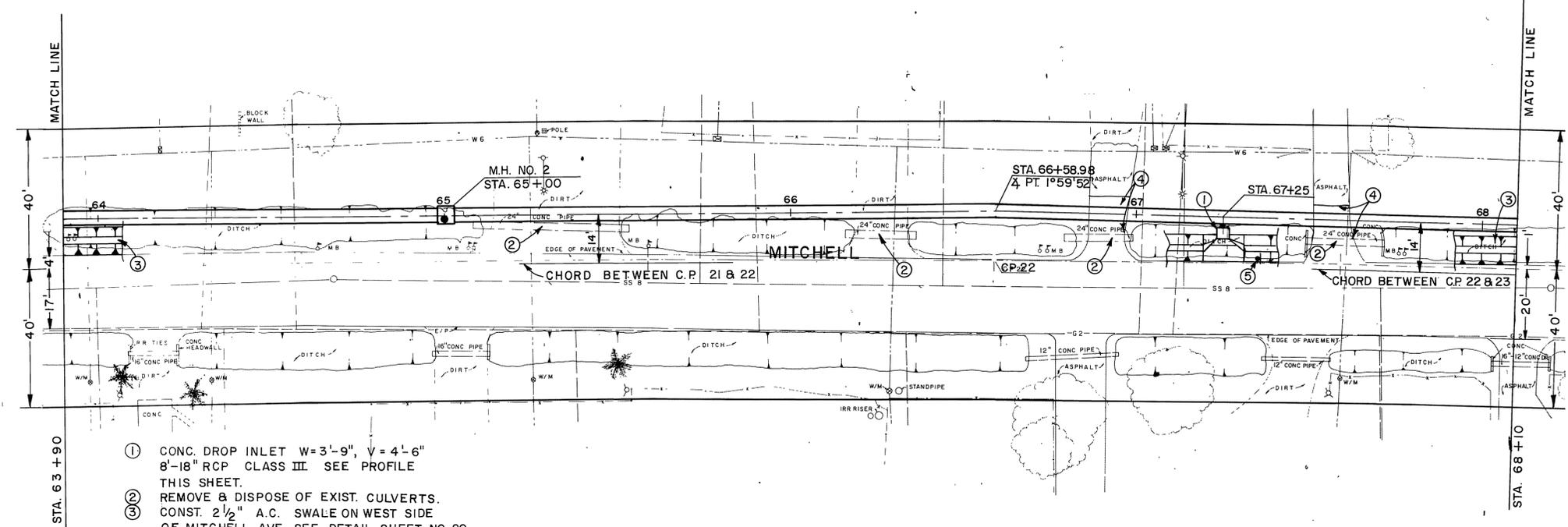
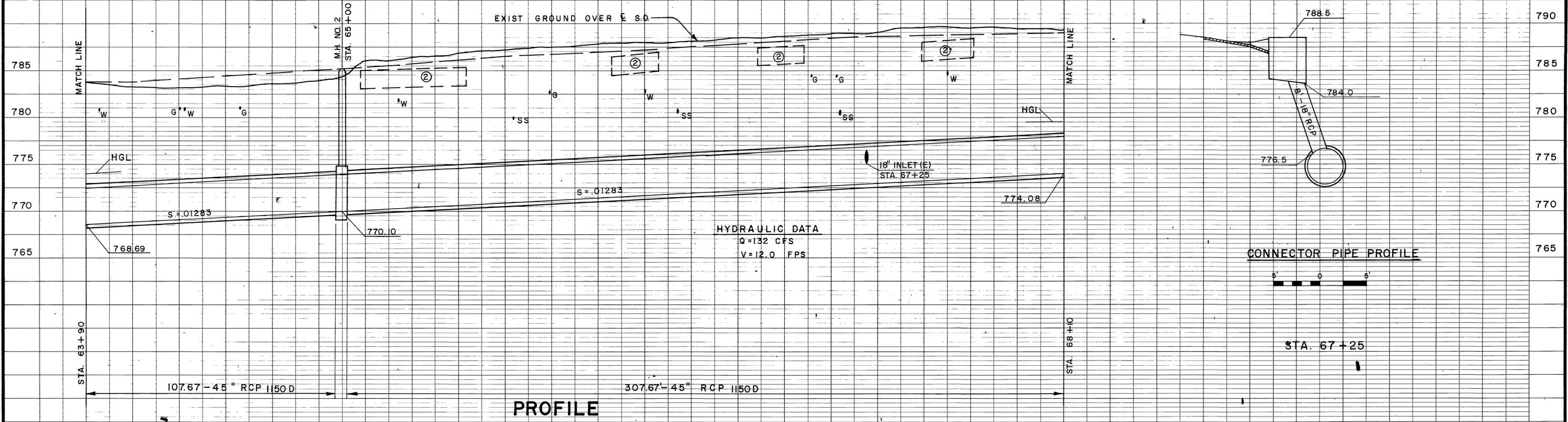
| BENCH MARK C.P. NO. 20. TOP<br>1/4" I.P. DOWN 30' AT<br>INTERSECTION MITCHELL &<br>CYPRESS. ELEV. 778.86.<br>SCALE:<br>DATE: | REVISIONS<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REF.</th> <th>DESCRIPTION</th> <th>APPR. DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> | REF.       | DESCRIPTION | APPR. DATE |  |  |  | RIVERSIDE COUNTY FLOOD CONTROL<br>AND<br>WATER CONSERVATION DISTRICT<br>DESIGNED BY: A.E. PRIVITT<br>DRAWN BY: J. Moody<br>DATE DRAWN:<br>CHECKED BY: | APPROVED BY:<br><br>CHIEF ENGINEER R.E. NO. 8822<br>DATE: 6-11-74 | PROJECT NO.<br>1-0-065<br>DRAWING NO.<br>1-303<br>SHEET NO.<br>11 OF 45 |
|--|--|------------|-------------|------------|--|--|--|---|---|---|
| REF.   | DESCRIPTION  | APPR. DATE |             |            |  |  |  |   |   |   |
|  |  |            |             |            |  |  |  |   |   |   |

AS BUILT

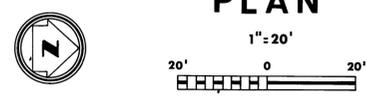
D-295

LA SIERRA CHANNEL  
MITCHELL AVENUE STORM DRAIN  
STAGE II  
STA. 59+80 TO STA. 63+90  
1970 STORM DRAIN BOND ISSUE PROJECT NO. 19

64 65+00 66 67 68  
 NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.

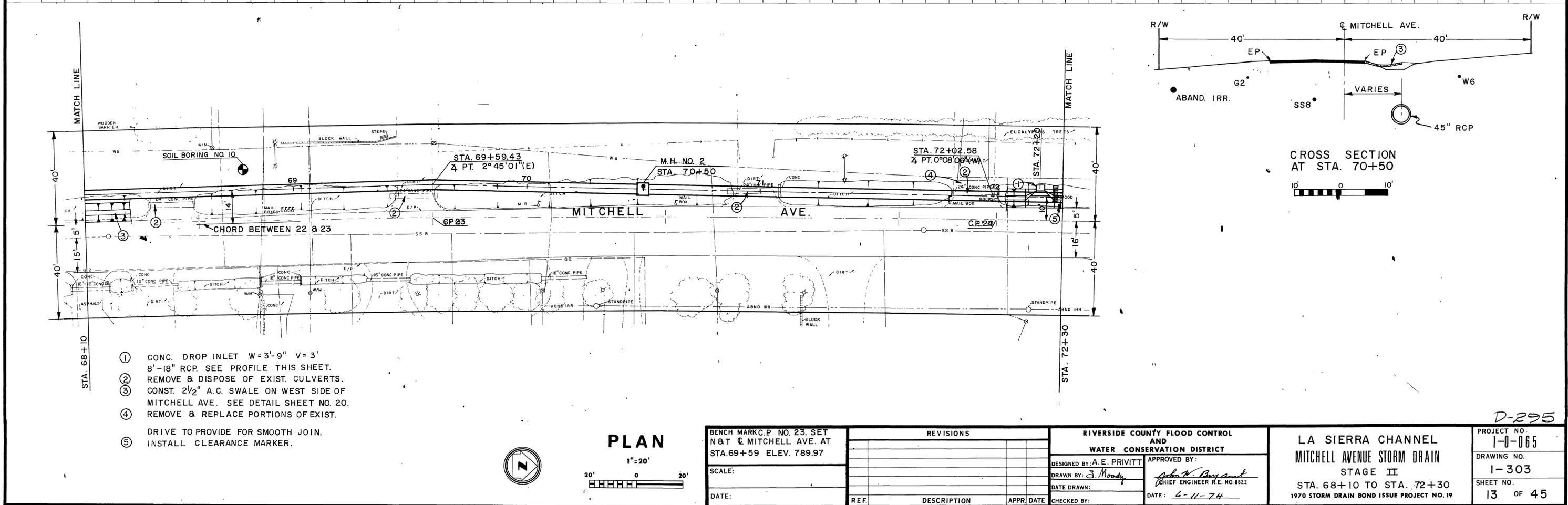
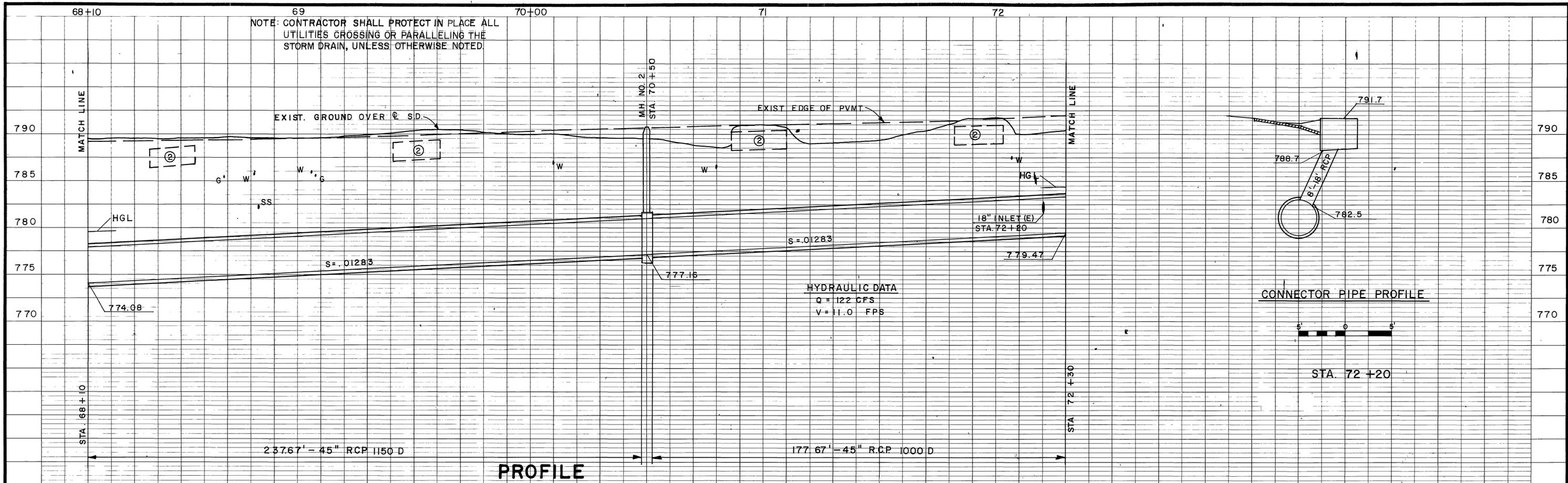


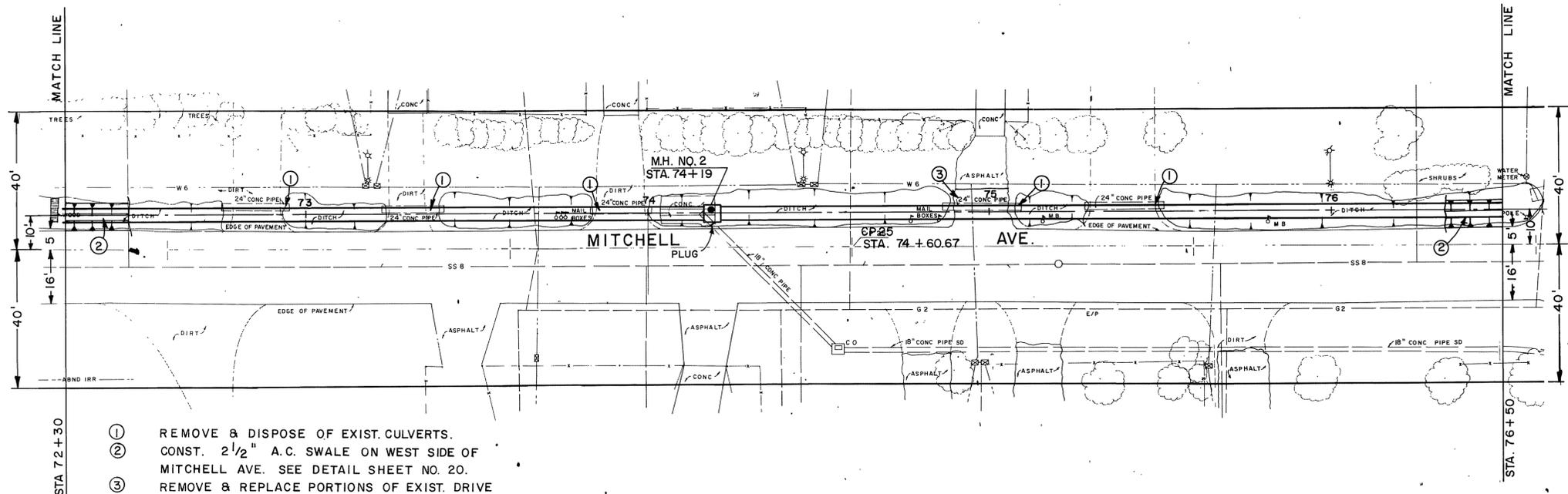
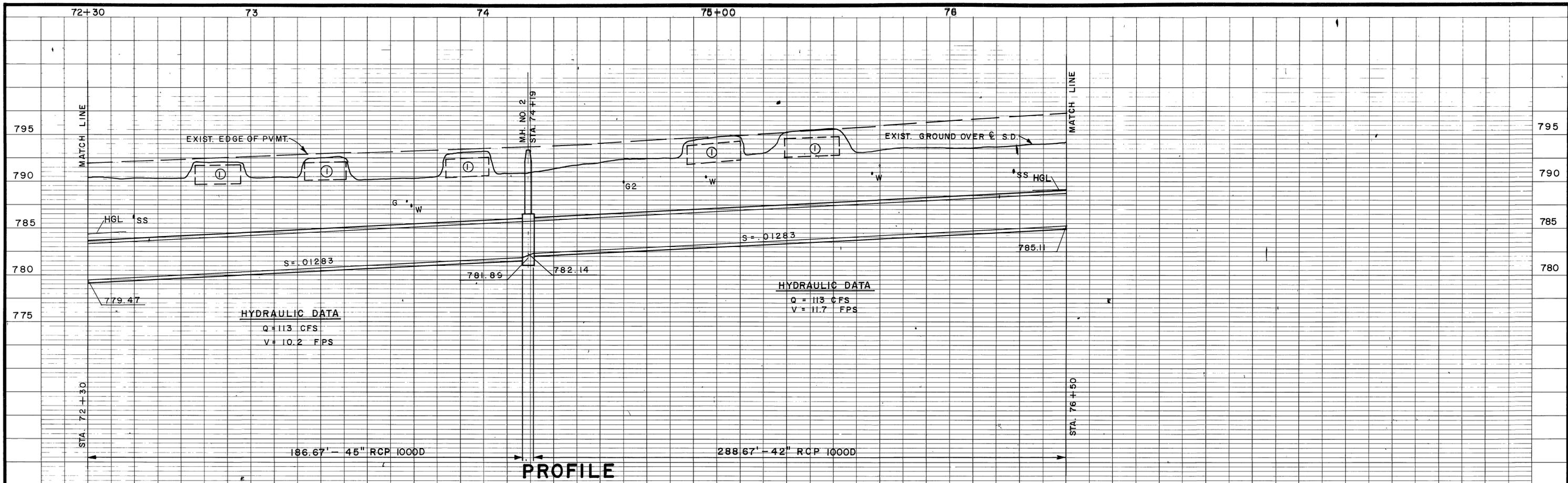
- ① CONC. DROP INLET W=3'-9", V=4'-6" 8'-18" RCP CLASS III SEE PROFILE THIS SHEET.
- ② REMOVE & DISPOSE OF EXIST. CULVERTS.
- ③ CONST. 2 1/2" A.C. SWALE ON WEST SIDE OF MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- ④ REMOVE & REPLACE PORTIONS OF EXIST. DRIVE TO PROVIDE FOR SMOOTH JOIN.
- ⑤ INSTALL CLEARANCE MARKER.



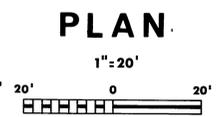
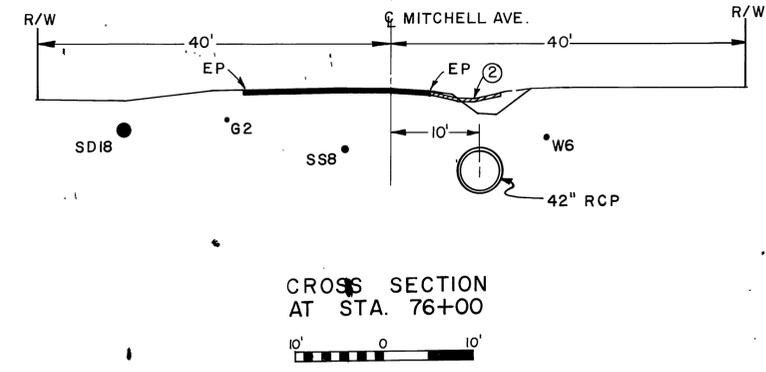
|  |           |   |  |  |  |
|--|-----------|---|--|--|--|
| BENCH MARK C.P. NO. 22 SET NAIL & TAG @ MITCHELL AVE AT STA. 66+59 ELEV. 787.64<br>SCALE:<br>DATE: | REVISIONS |   | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT |  | PROJECT NO. 1-0-065<br>DRAWING NO. 1-303<br>SHEET NO. 12 OF 45 |
|  | DATE:     | DESCRIPTION   | APPR. DATE   | CHECKED BY:  |  |
| DESIGNED BY: A.E. PRIVITT<br>DRAWN BY: S. MOODY<br>DATE DRAWN:                                     |           | APPROVED BY: <i>John W. Bussant</i><br>CHIEF ENGINEER R.E. NO. 8822 |  | LA SIERRA CHANNEL<br>MITCHELL AVENUE STORM DRAIN<br>STAGE II<br>STA. 63+90 TO STA. 68+10<br>1970 STORM DRAIN BOND ISSUE PROJECT NO. 19 |  |
| DATE: 6-11-74  |           | DATE: 6-11-74   |  | D-295  |  |

AS BUILT





- ① REMOVE & DISPOSE OF EXIST. CULVERTS.
- ② CONST. 2 1/2" A.C. SWALE ON WEST SIDE OF MITCHELL AVE. SEE DETAIL SHEET NO. 20.
- ③ REMOVE & REPLACE PORTIONS OF EXIST. DRIVE TO PROVIDE FOR SMOOTH JOIN.



BENCH MARK C.P. NO. 25 SET N & T @ MITCHELL AVE. AT STA. 74+61 ELEV. 794.32

SCALE:

DATE:

| REF. | DESCRIPTION | APPR. DATE |
|------|-------------|------------|
|      |             |            |
|      |             |            |

**REVISIONS**

**RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT**

DESIGNED BY: A.E. PRIVITT

DRAWN BY: S. Moody

DATE DRAWN:

CHECKED BY:

APPROVED BY: *John W. Boyant*  
CHIEF ENGINEER R.E. NO. 8822

DATE: 6-11-74

**LA SIERRA CHANNEL  
MITCHELL AVENUE STORM DRAIN  
STAGE II**

STA 72+30 TO STA. 76+50

1970 STORM DRAIN BOND ISSUE PROJECT NO. 19

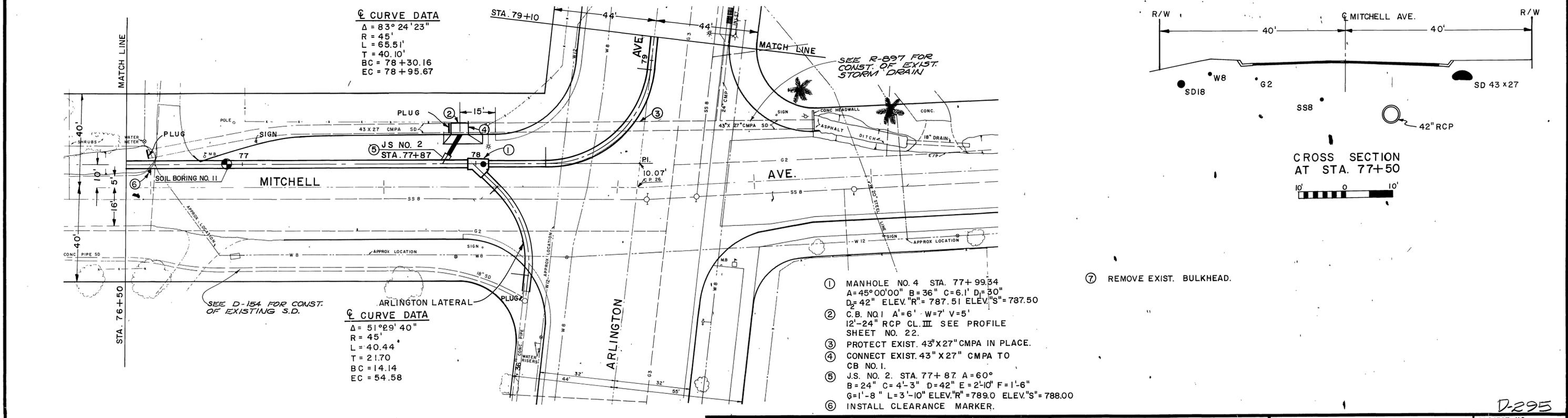
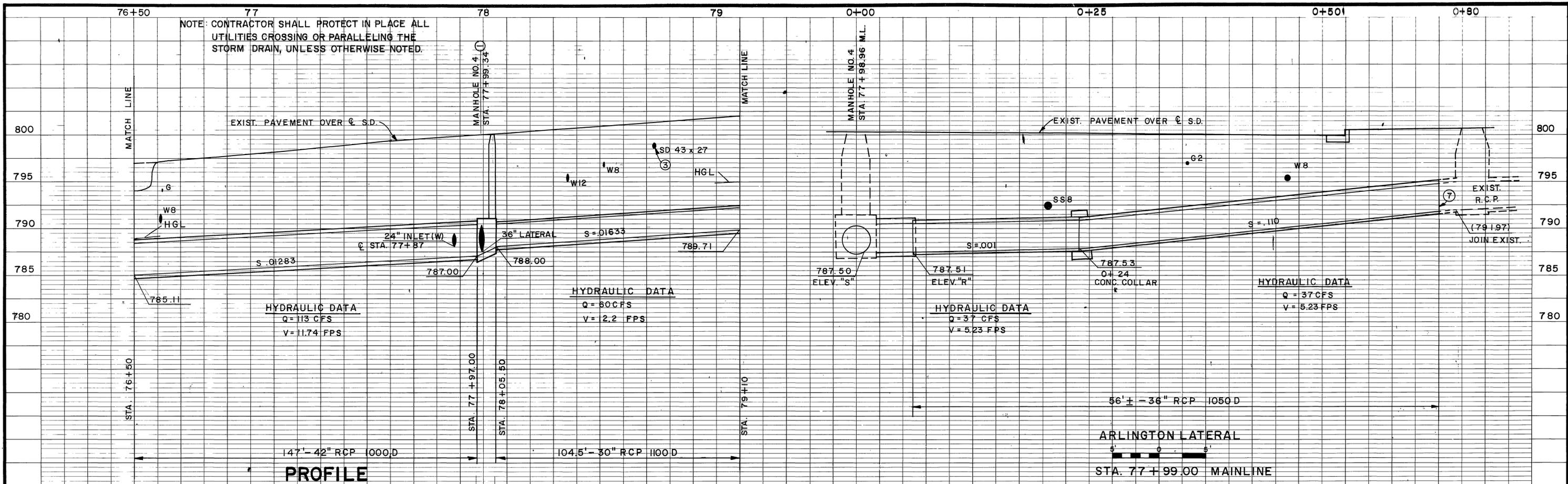
PROJECT NO. 1-0-065

DRAWING NO. 1-303

SHEET NO. 14 OF 45

AS BUILT

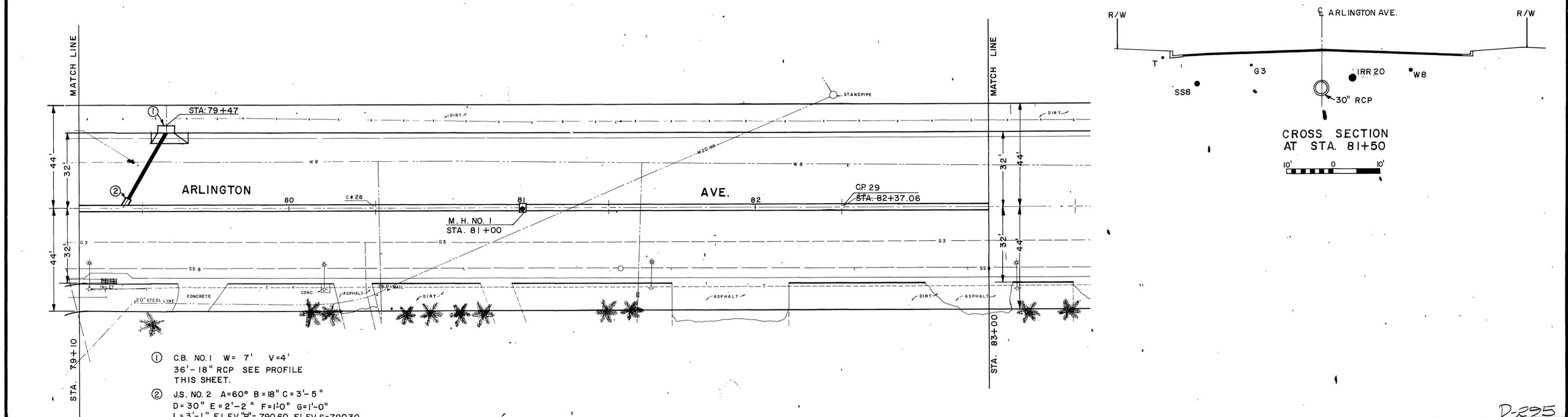
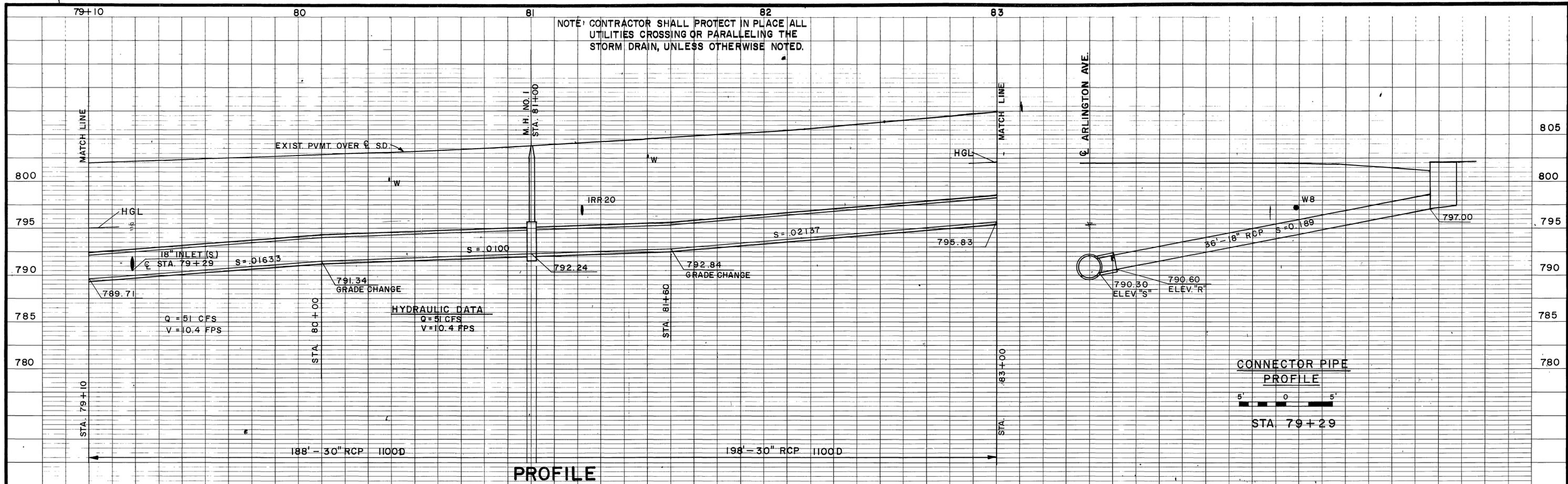
D-295



|   |                    |             |  |  |  |   |
|---|--------------------|-------------|--|--|--|---|
| BENCH MARK C.P. NO. 26 TOP<br>1 1/4" I.P. DOWN .87" IN WELL<br>AT INTERSECTION OF MITCHELL<br>& ARLINGTON AVE. ELEV. 800.37 | REVISIONS          |             | RIVERSIDE COUNTY FLOOD CONTROL<br>AND<br>WATER CONSERVATION DISTRICT |  | LA SIERRA CHANNEL<br>MITCHELL AVENUE STORM DRAIN<br>STAGE II<br>STA. 76+50 TO STA. 79+10<br>1970 STORM DRAIN BOND ISSUE PROJECT NO. 19 | PROJECT NO.<br>1-0-065<br>DRAWING NO.<br>1-303<br>SHEET NO.<br>15 OF 45 |
|   | SCALE:<br>1" = 20' | DATE:       | DESIGNED BY: A. PRIVITT  | APPROVED BY: <i>John W. Burt</i><br>CHIEF ENGINEER R.E. NO. 8822 |  |   |
| DATE:   | REF.               | DESCRIPTION | APPR. DATE   | CHECKED BY:  | DATE: 6-11-74  |   |

AS BUILT

D-295



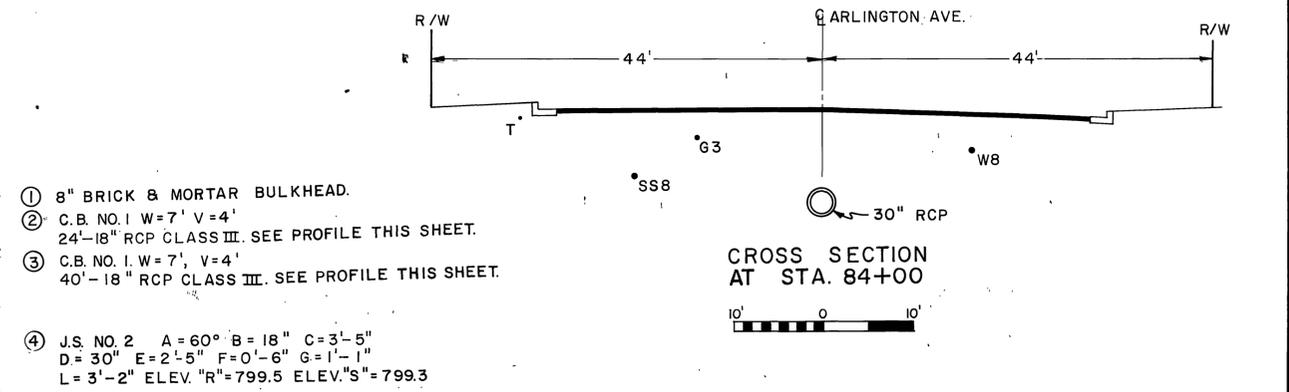
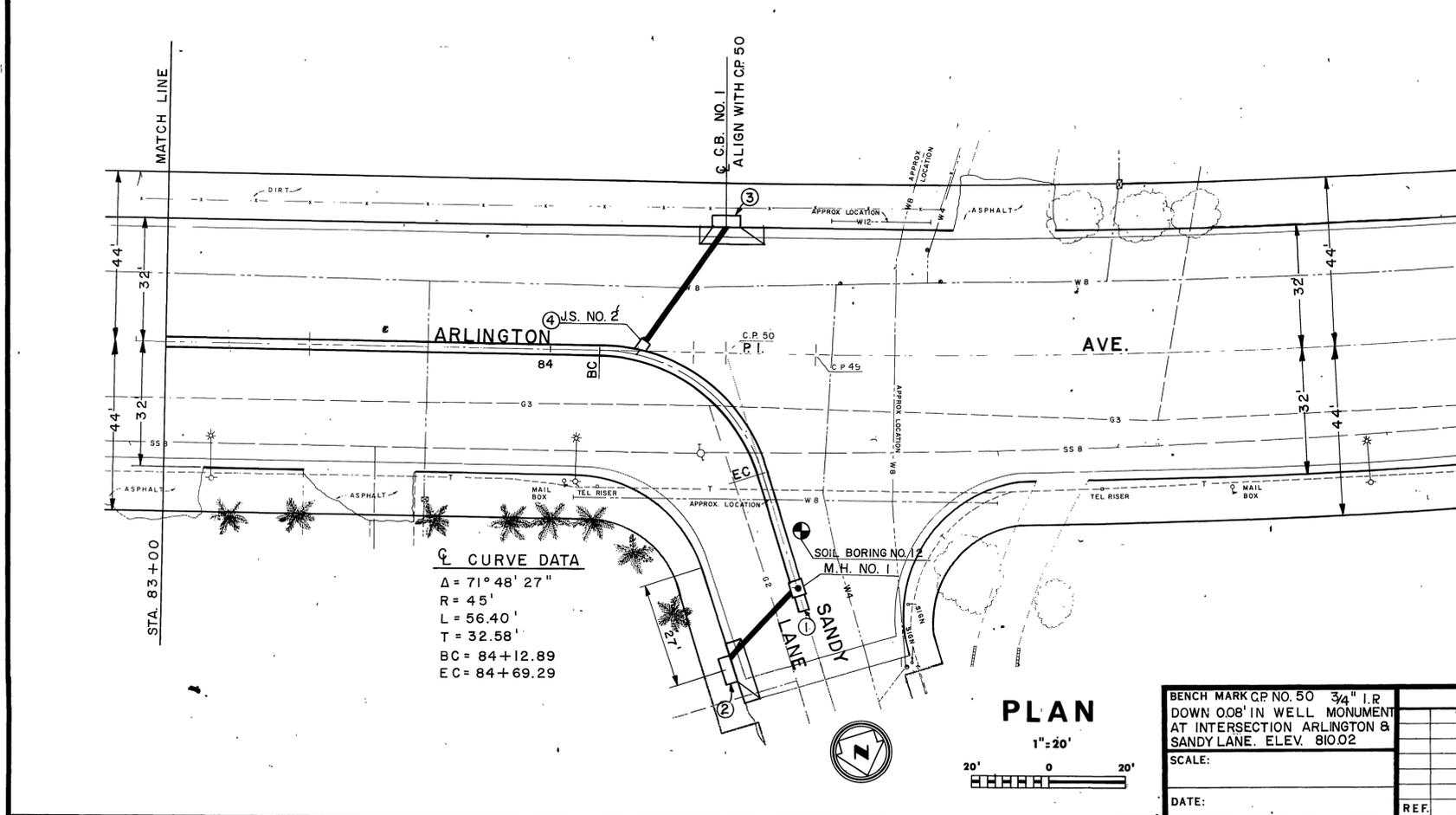
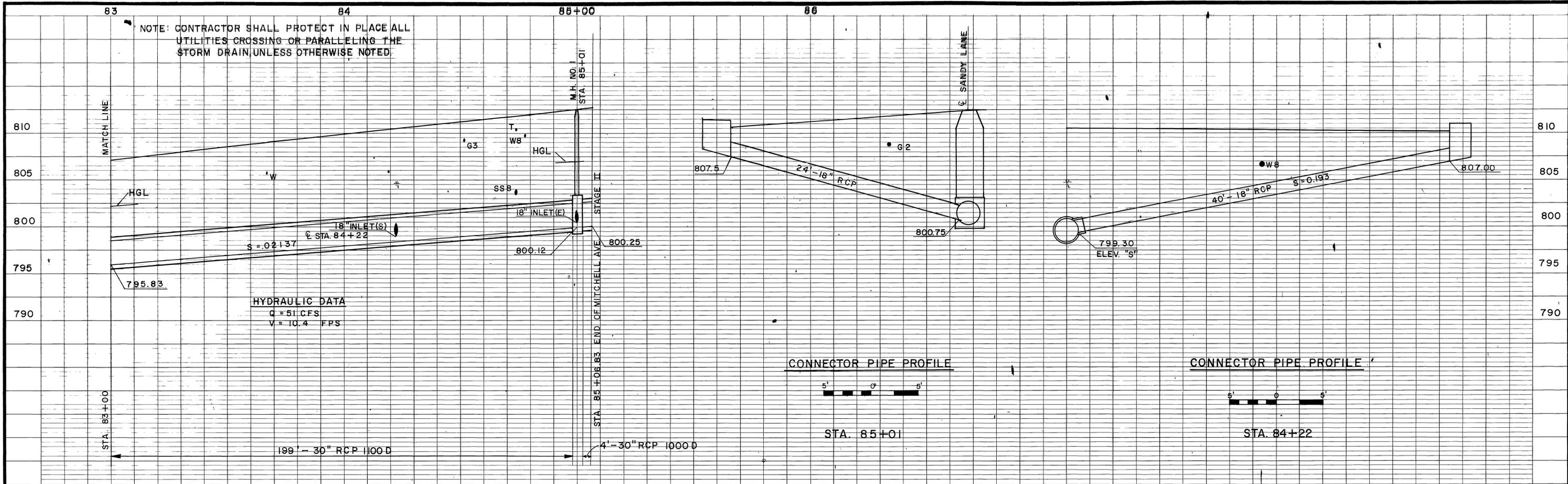
- ① C.B. NO. 1 W = 7' V = 4'  
36'-18" RCP SEE PROFILE THIS SHEET.
- ② J.S. NO. 2 A=60° B=18" C=3'-5"  
D=30" E=2'-2" F=1'-0" G=1'-0"  
L=3'-1" ELEV. "R" = 790.60 ELEV. "S" = 790.30

|  |                 |  |  |                             |                               |
|--|-----------------|--|--|-----------------------------|-------------------------------|
| BENCH MARK C.P. NO. 28 SET<br>N&T ARLINGTON AVE. AT<br>STA. 80+37 EL. 803.07 | REVISIONS       |  | RIVERSIDE COUNTY FLOOD CONTROL<br>AND<br>WATER CONSERVATION DISTRICT                   |                             | PROJECT NO.<br><b>1-0-065</b> |
|  | SCALE:<br>DATE: | DESIGNED BY: A. PRIVITT<br>DRAWN BY: S. Moody<br>DATE DRAWN: | APPROVED BY:<br><i>John V. Bryant</i><br>CHIEF ENGINEER R.E. NO. 8822<br>DATE: 6-11-74 | DRAWING NO.<br><b>1-303</b> |                               |
| DATE:  | REF.            | DESCRIPTION  | APPR. DATE   | CHECKED BY:                 | SHEET NO.<br><b>16 OF 45</b>  |

AS BUILT

D-295

LA SIERRA CHANNEL  
 MITCHELL AVENUE STORM DRAIN  
 STAGE II  
 STA. 79+10 TO STA. 83+00  
 1970 STORM DRAIN BOND ISSUE PROJECT NO. 19

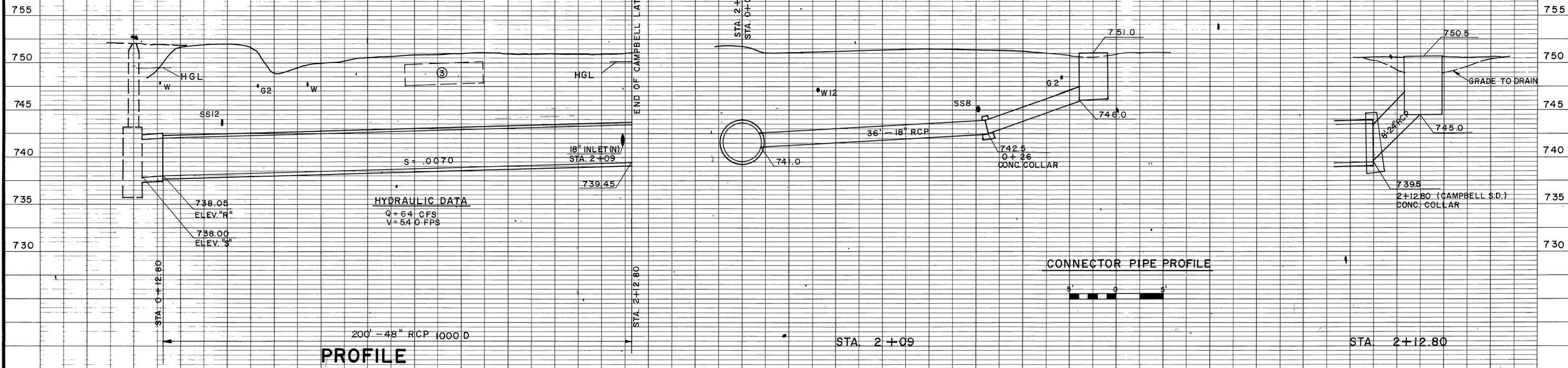


|   |           |              |  |   |  |  |
|---|-----------|--------------|--|---|--|--|
| BENCH MARK C.P. NO. 50 3/4" I.R. DOWN 0.08' IN WELL MONUMENT AT INTERSECTION ARLINGTON & SANDY LANE. ELEV. 810.02 | REVISIONS |              | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT |   | LA SIERRA CHANNEL MITCHELL AVENUE STORM DRAIN STAGE II STA. 83+00 TO STA. 85+07 1970 STORM DRAIN BOND ISSUE PROJECT NO. 19 | PROJECT NO. 1-0-065<br>DRAWING NO. 1-303<br>SHEET NO. 17 OF 45 |
|   | SCALE:    | DATE:        | DESIGNED BY: A. PRIVITT  | APPROVED BY: <i>John W. Priddy</i> CHIEF ENGINEER R.E. NO. 8822 |  |  |
| DATE:   | REF:      | DESCRIPTION: | APPR. DATE:  | CHECKED BY:   | DATE: 6-11-74  |  |

AS BUILT

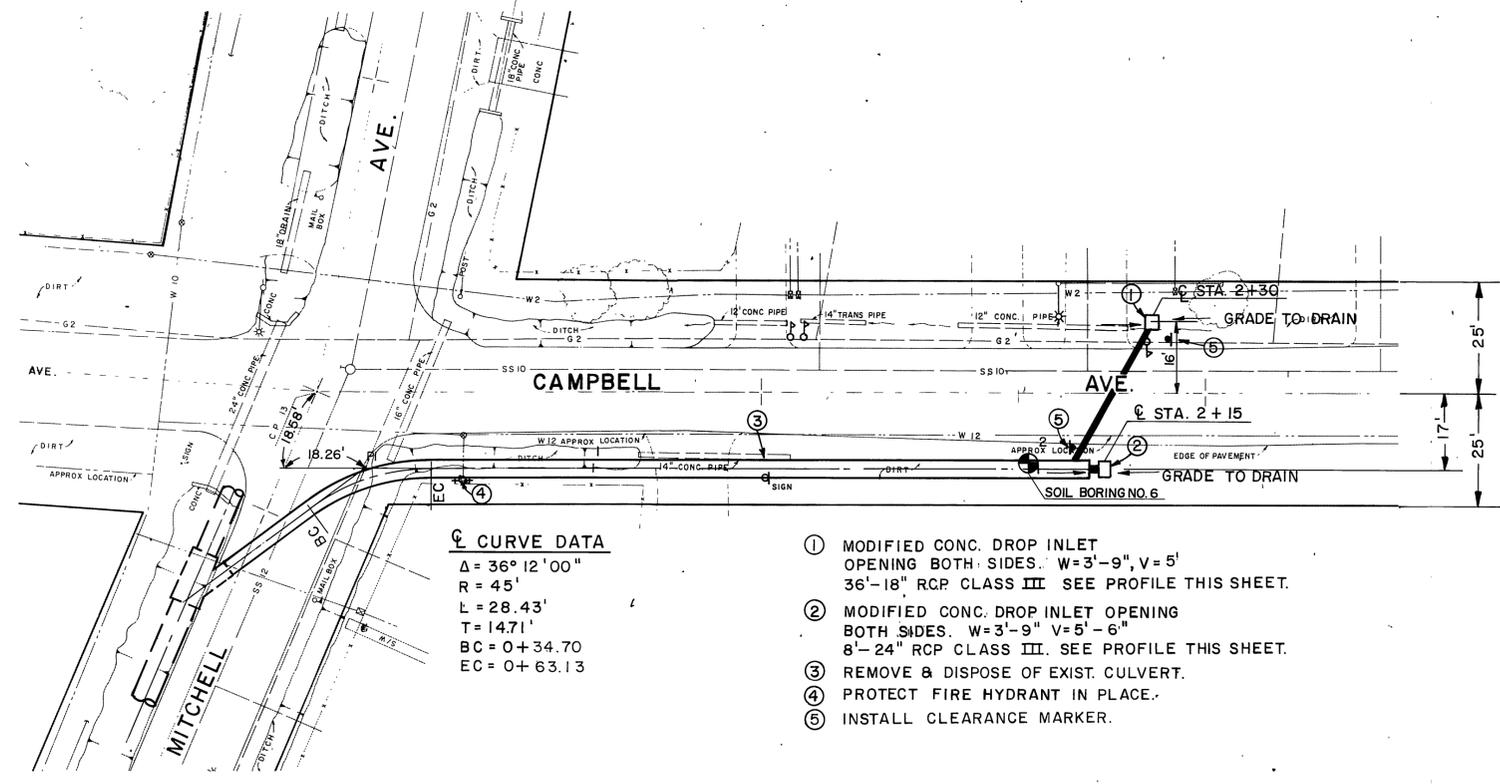
D-295

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



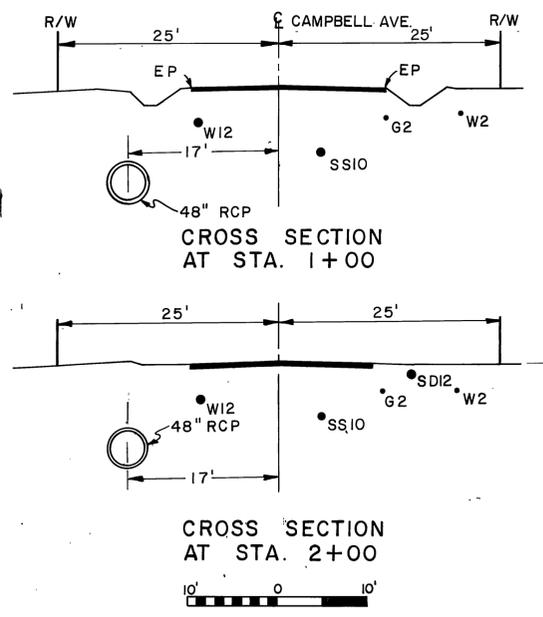
PROFILE

CONNECTOR PIPE PROFILE



**☺ CURVE DATA**  
 $\Delta = 36^\circ 12' 00''$   
 $R = 45'$   
 $L = 28.43'$   
 $T = 14.71'$   
 $BC = 0+34.70$   
 $EC = 0+63.13$

- ① MODIFIED CONC. DROP INLET OPENING BOTH SIDES. W=3'-9", V=5' 36'-18" RCP CLASS III SEE PROFILE THIS SHEET.
- ② MODIFIED CONC. DROP INLET OPENING BOTH SIDES. W=3'-9" V=5'-6" 8'-24" RCP CLASS III. SEE PROFILE THIS SHEET.
- ③ REMOVE & DISPOSE OF EXIST. CULVERT.
- ④ PROTECT FIRE HYDRANT IN PLACE.
- ⑤ INSTALL CLEARANCE MARKER.



CROSS SECTION AT STA. 2+00

PLAN

BENCH MARK C.P. NO. 13 TOP 1 1/4" I.P. DOWN 18" AT INTERSECTION MITCHELL & CAMPBELL ELEV. 751.90

| REVISIONS | DESCRIPTION | APPR. DATE |
|-----------|-------------|------------|
|           |             |            |
|           |             |            |

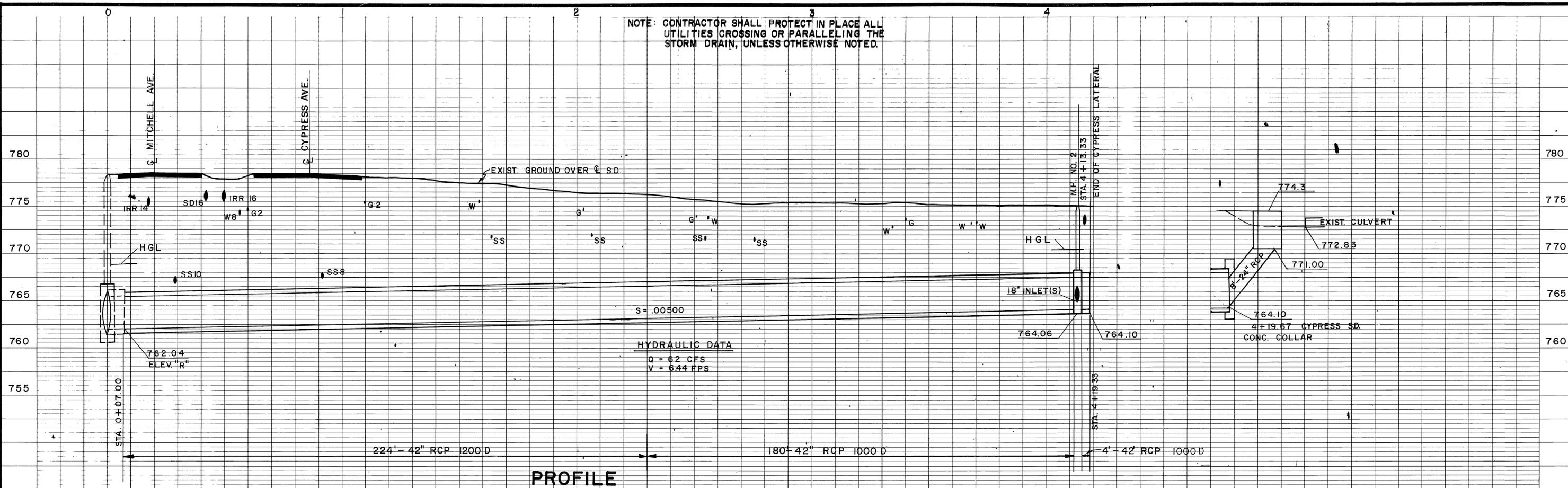
**RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT**  
 DESIGNED BY: A. PRIVITT  
 DRAWN BY: R. Morley  
 DATE DRAWN: 6-11-74  
 APPROVED BY: [Signature]  
 CIVIL ENGINEER R.E. NO. 8822

**LA SIERRA CHANNEL MITCHELL AVENUE STORM DRAIN STAGE II**  
 CAMPBELL S.D.  
 STA. 0+00 TO STA. 2+16.80  
 1970 STORM DRAIN BOND ISSUE PROJECT NO. 19

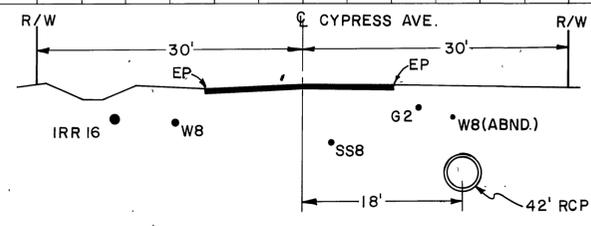
PROJECT NO. 1-0-065  
 DRAWING NO. 1-303  
 SHEET NO. 18 OF 45

AS BUILT

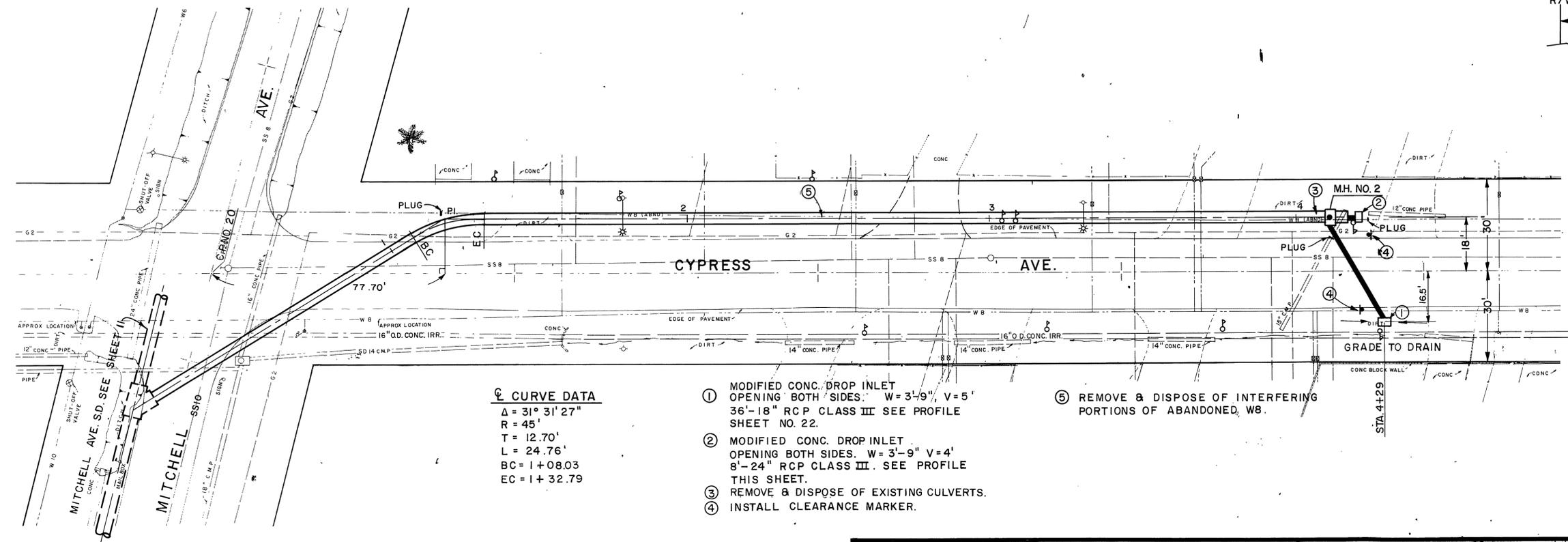
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



PROFILE



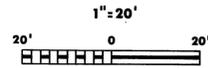
CROSS SECTION AT STA. 4+00



**Curve Data**  
 $\Delta = 31^\circ 31' 27''$   
 $R = 45'$   
 $T = 12.70'$   
 $L = 24.76'$   
 $BC = 1+08.03$   
 $EC = 1+32.79$

- ① MODIFIED CONC. DROP INLET OPENING BOTH SIDES. W = 3'-9", V = 5" 36'-18" RCP CLASS III SEE PROFILE SHEET NO. 22.
- ② MODIFIED CONC. DROP INLET OPENING BOTH SIDES. W = 3'-9" V = 4" 8'-24" RCP CLASS III. SEE PROFILE THIS SHEET.
- ③ REMOVE & DISPOSE OF EXISTING CULVERTS.
- ④ INSTALL CLEARANCE MARKER.
- ⑤ REMOVE & DISPOSE OF INTERFERING PORTIONS OF ABANDONED, WB.

PLAN



BENCH MARK C.P. NO. 20 TOP 1/4" I.P. DOWN 0.30' AT INTERSECTION MITCHELL & CYPRESS. ELEV. 778.86  
 SCALE:  
 DATE:

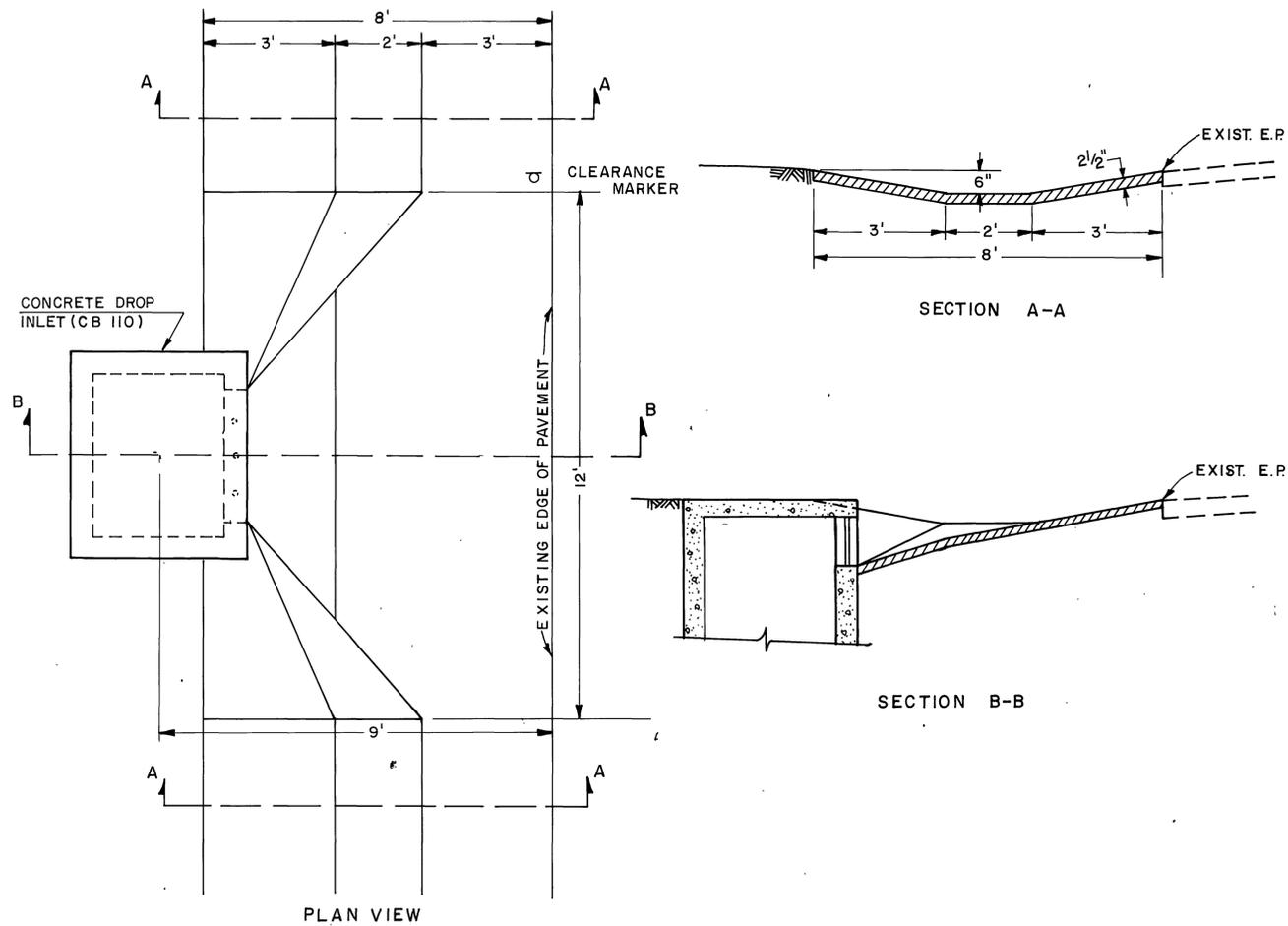
| REF. | DESCRIPTION | APPR. DATE |
|------|-------------|------------|
|      |             |            |
|      |             |            |

**RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT**  
 DESIGNED BY: A. PRIVITT  
 DRAWN BY: S. Moody  
 DATE DRAWN: 6-11-74  
 APPROVED BY: [Signature]  
 CHIEF ENGINEER R.E. NO. 8822  
 DATE: 6-11-74

**LA SIERRA CHANNEL MITCHELL AVENUE STORM DRAIN STAGE II CYPRESS S. D. STA. 0+00 TO STA. 4+19.33 1970 STORM DRAIN BOND ISSUE PROJECT NO. 19**

PROJECT NO. 1-0-065  
 DRAWING NO. 1-303  
 SHEET NO. 19 OF 45

AS-BUILT



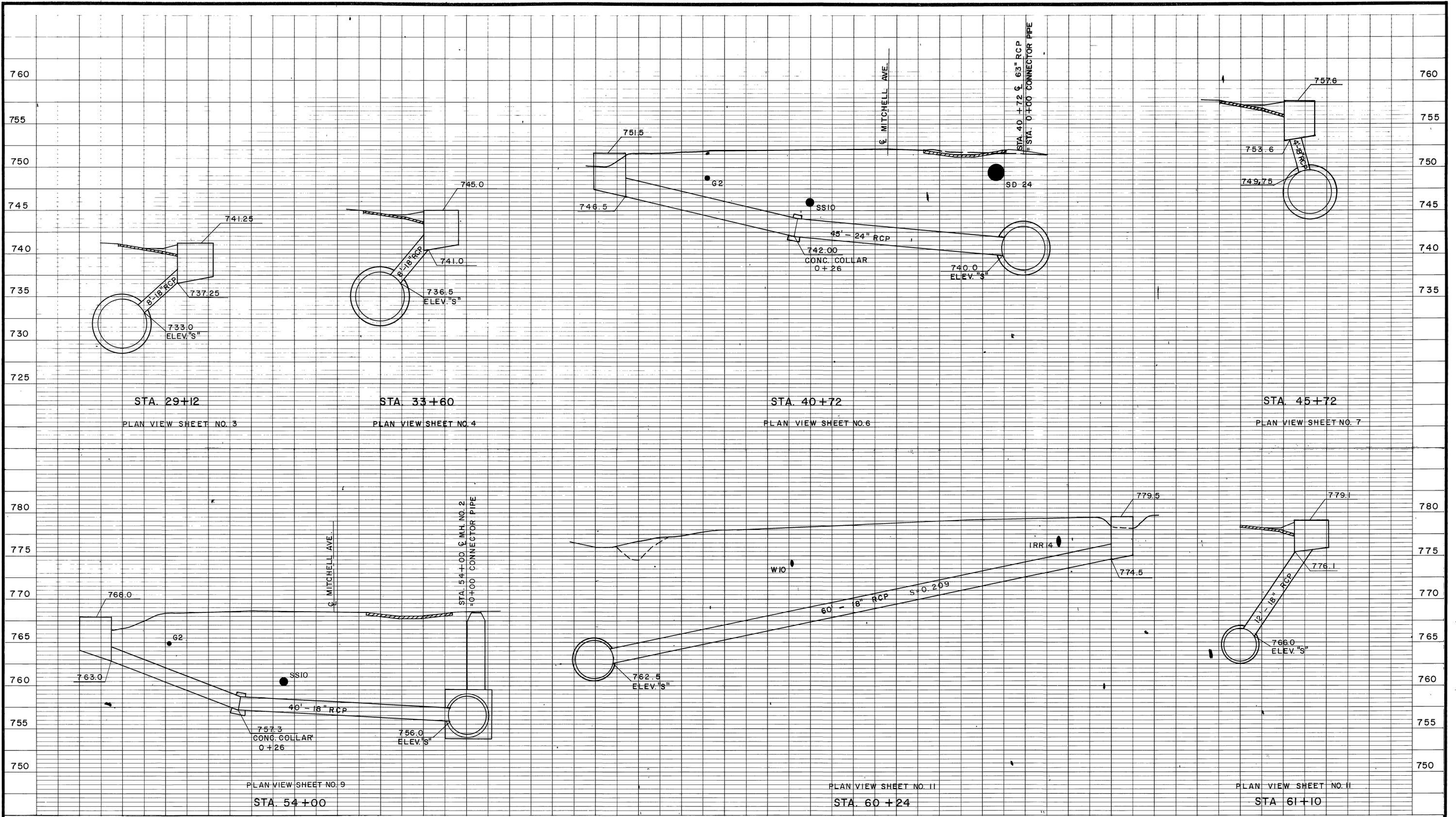
2 1/2" A. C. SWALE & INLET DETAIL



| REVISIONS    |              |              | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT |  | LA SIERRA CHANNEL  |  | PROJECT NO. |             |          |
|--------------|--------------|--------------|--|--|--|--|-------------|-------------|----------|
| DESIGNED BY: | A.E. PRIVITT | APPROVED BY: | <br>CHIEF ENGINEER R.E. NO. 8822                               |  | MITCHELL AVENUE STORM DRAIN<br>STAGE II<br>DETAILS<br>1970 STORM DRAIN BOND ISSUE PROJECT NO. 19 |  | 1-0-065     |             |          |
| DRAWN BY:    | S. Moody     | DATE:        |  |  |  |  | 6-11-74     | DRAWING NO. | 1-303    |
| DATE DRAWN:  |              | CHECKED BY:  |  |  |  |  |             | SHEET NO.   | 20 OF 45 |
| REF.         | DESCRIPTION  | APPR. DATE   |  |  |  |  |             |             |          |

AS BUILT

D-295

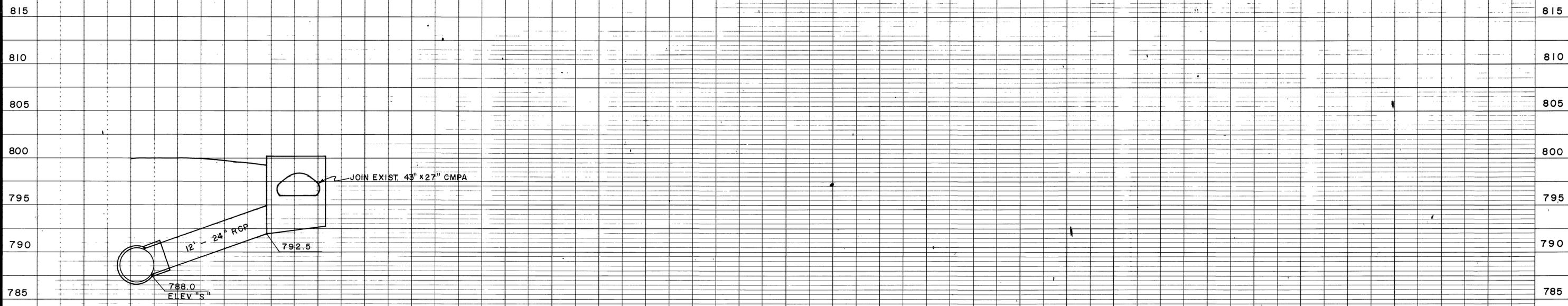


| BENCH MARK<br><br>SCALE:<br><br>DATE: | REVISIONS<br><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">REF.</th> <th style="width: 45%;">DESCRIPTION</th> <th style="width: 50%;">APPR. DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> | REF.       | DESCRIPTION | APPR. DATE |  |  |  | RIVERSIDE COUNTY FLOOD CONTROL<br>AND<br>WATER CONSERVATION DISTRICT<br><br>DESIGNED BY: A. E. PRIVITT<br>DRAWN BY: S. Moody<br>DATE DRAWN:<br>CHECKED BY: | APPROVED BY:<br><br>CHIEF ENGINEER R.E. NO. 8822<br>DATE: 6-11-74 | PROJECT NO.<br>1-0-065<br><br>DRAWING NO.<br>1-303<br><br>SHEET NO.<br>21 OF 45 |
|---------------------------------------|---|------------|-------------|------------|--|--|--|--|---|---|
| REF.                                  | DESCRIPTION   | APPR. DATE |             |            |  |  |  |  |   |   |
|                                       |   |            |             |            |  |  |  |  |   |   |

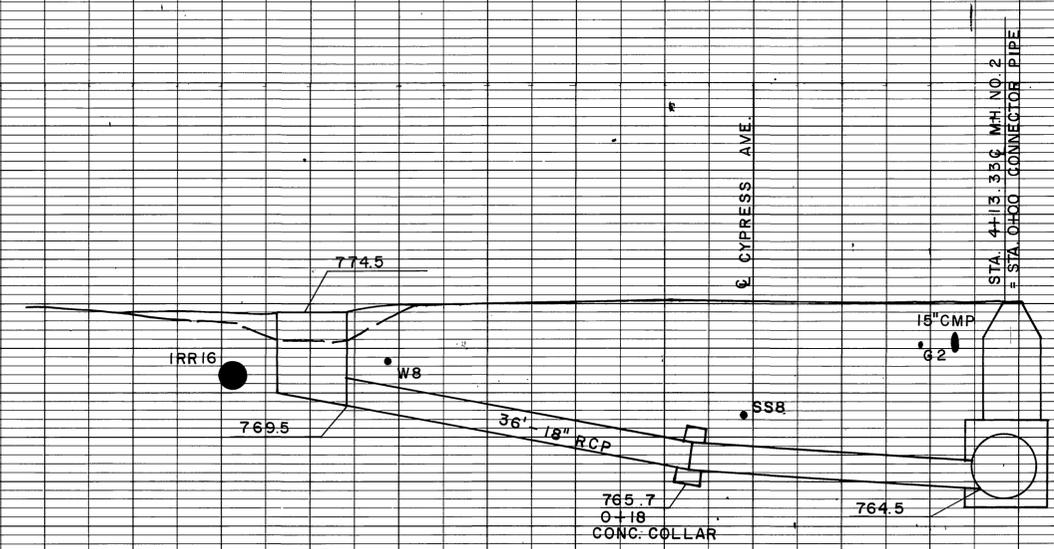
AS BUILT

D-295

MITCHELL AVENUE STORM DRAIN  
 STAGE II  
 CONNECTOR PIPE PROFILE  
 1970 STORM DRAIN BOND ISSUE PROJECT NO. 19



STA. 77+87  
PLAN VIEW SHEET NO. 15



STA. 4+13.33 CYPRESS S.D.  
PLAN VIEW SHEET NO. 19



|            |  |
|------------|--|
| BENCH MARK |  |
| SCALE:     |  |
| DATE:      |  |

| REF. | DESCRIPTION | APPR. DATE |
|------|-------------|------------|
|      |             |            |
|      |             |            |

|  |                                      |
|--|--------------------------------------|
| RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT |                                      |
| DESIGNED BY: A.E. PRIVITT                                      | APPROVED BY: <i>Robert W. Boyant</i> |
| DRAWN BY: <i>S. Noody</i>                                      | CHIEF ENGINEER R.E. NO. 8822         |
| DATE DRAWN:  | DATE: 6-11-74                        |
| CHECKED BY:  |                                      |

MITCHELL AVENUE STORM DRAIN  
STAGE II  
CONNECTOR PIPE PROFILE  
1970 STORM DRAIN BOND ISSUE PROJECT NO. 19

*D-295*  
PROJECT NO. 1-0-065  
DRAWING NO. 1-303  
SHEET NO. 22 OF 45

AS BUILT