

LA SIERRA STORM CHANNEL

STAGE "C"

CONSTRUCTION DRAWINGS

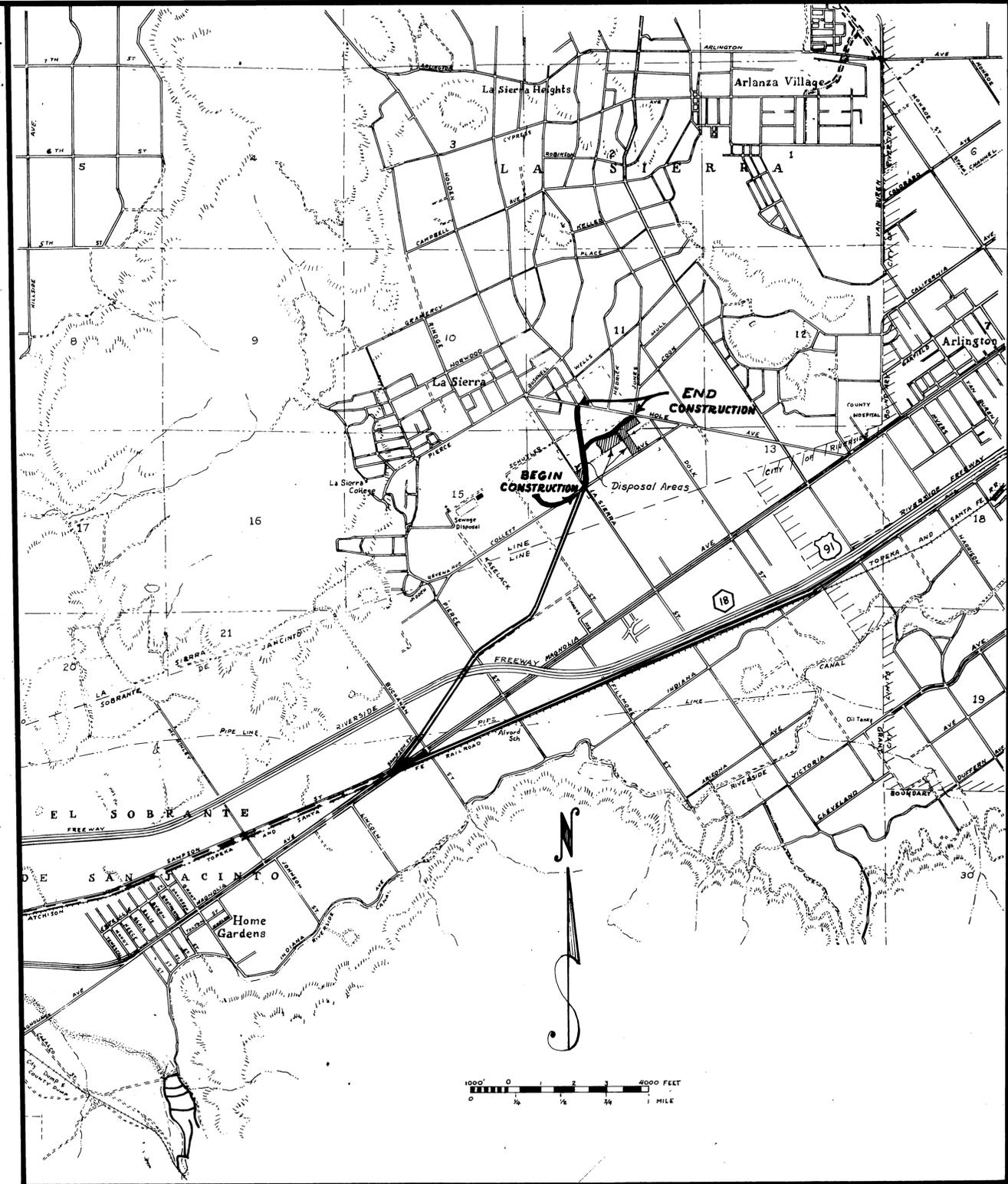
BY

RIVERSIDE COUNTY FLOOD CONTROL
AND

WATER CONSERVATION DISTRICT

GENERAL NOTES

1. Reinforced concrete shall be Class A (6 sack) and shall have a minimum of 3,000 p.s.i. 28 day compressive strength.
2. Reinforcing steel shall be deformed, intermediate grade, billet-steel bars conforming to the specifications of A.S.T.M. Designation A-15, latest revised, with deformations conforming to A.S.T.M. Designation A-305.
3. All reinforcing bar bends and hooks shall conform to the American Concrete Institute "MANUAL of STANDARD PRACTICE."
4. Lap all reinforcing steel a minimum of 30 bar diameters at splices. The location of all splices shall be subject to approval of the Engineer.
5. All reinforcing steel shall have a minimum cover of 1 1/2" unless otherwise noted.
6. All exposed edges of concrete structures shall be chamfered 3/4" or rounded as directed.
7. Unreinforced concrete channel lining shall be Class B (5 sack), unless otherwise specified.
8. All concrete thickness dimensions are the minimum allowable.
9. Transverse grooves 1" deep at 10' spacing shall be provided in all unreinforced concrete channel lining. Grooves may be tooled or formed using 3/16" x 1" masonite strips.
10. All transverse construction joints in unreinforced concrete channel lining required at the end of a day's placing operation shall be located between the transverse grooves and No. 4 x 30" dowels at 24" spacing embedded 15" shall be provided.
11. Place 1 1/2" dia. weep holes 6" above invert on 10' % . Gravel pockets of approximately one cu. ft. shall be placed behind each weep hole.
12. Approved pit run gravel (1" maximum) shall be used for subdrain and weephole filter material where required on the plans.
13. The surface finish required for unreinforced concrete channel lining shall be a tight wood float finish.
14. All embankments shall be compacted to not less than 90 % maximum density as determined by tests made conforming to the requirements of A.A.S.H.O. Designation T99-57, "The Compaction and Density of Soils."



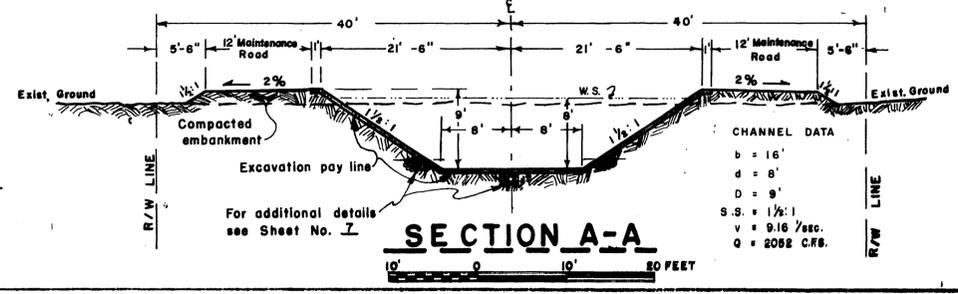
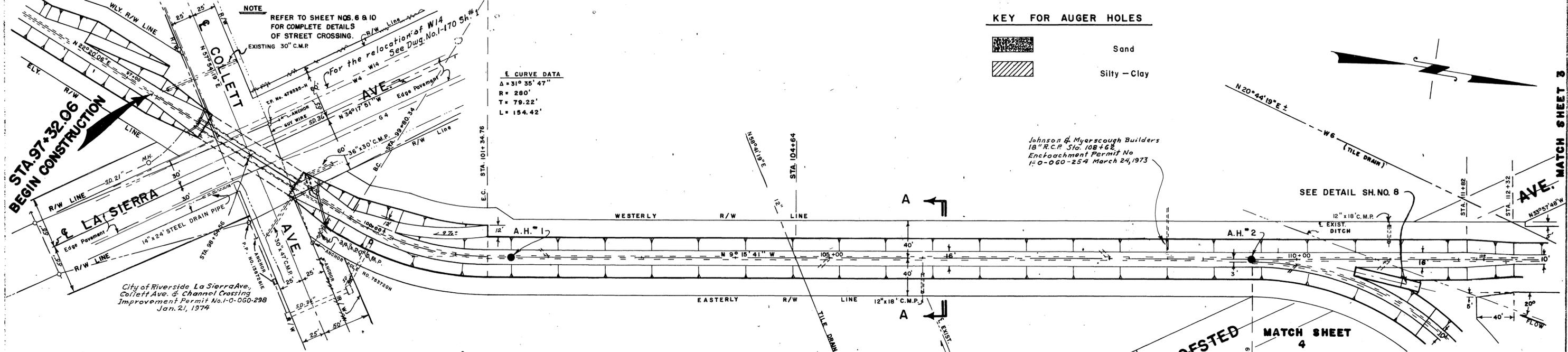
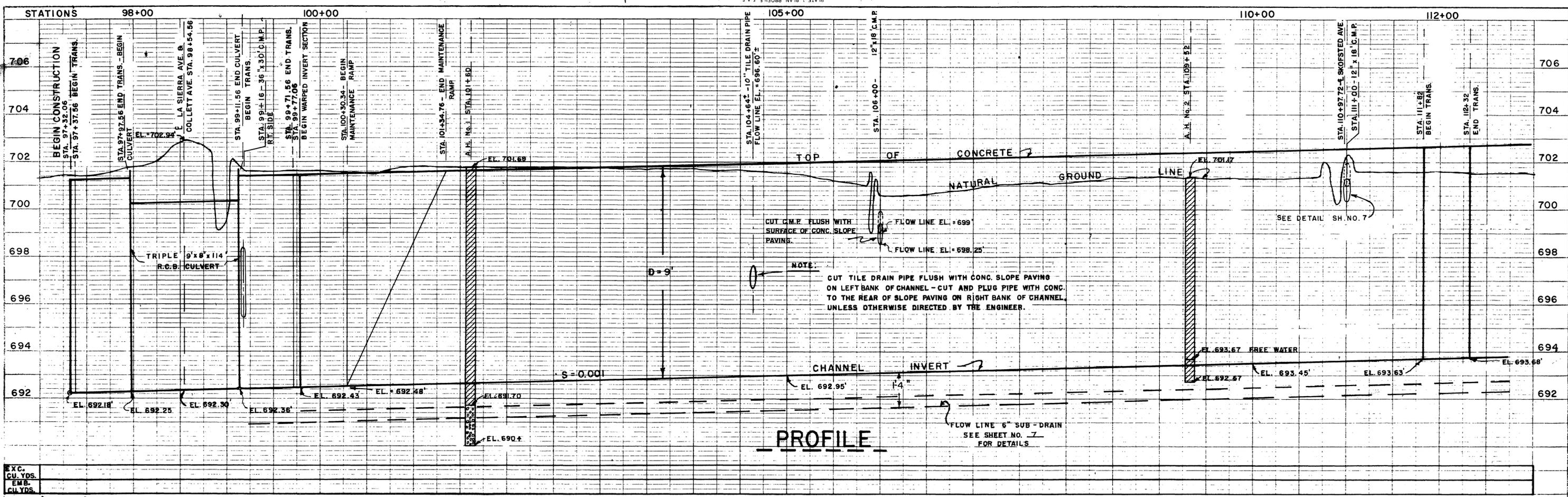
AS CONSTRUCTED

DATE: APRIL, 1963 - R. DAVIS

PROJECT NO. 1-4-060

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		
LA SIERRA STORM CHANNEL STAGE "C"		
COVER SHEET		
APPROVED: <i>[Signature]</i> DATE: 7-8-63	DRAWN: Ken Bilodou CHECKED: D. M. Mann DATE DRAWN: July 1963	SHEET No. 1 Dwg. No. 1-164

D-173-C



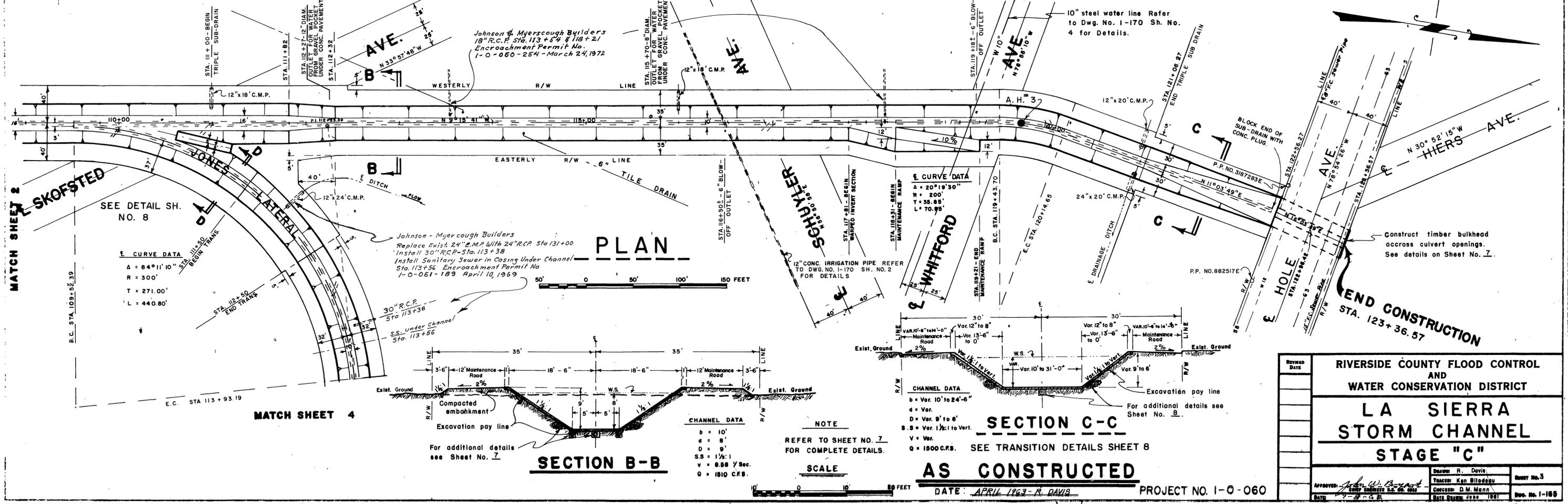
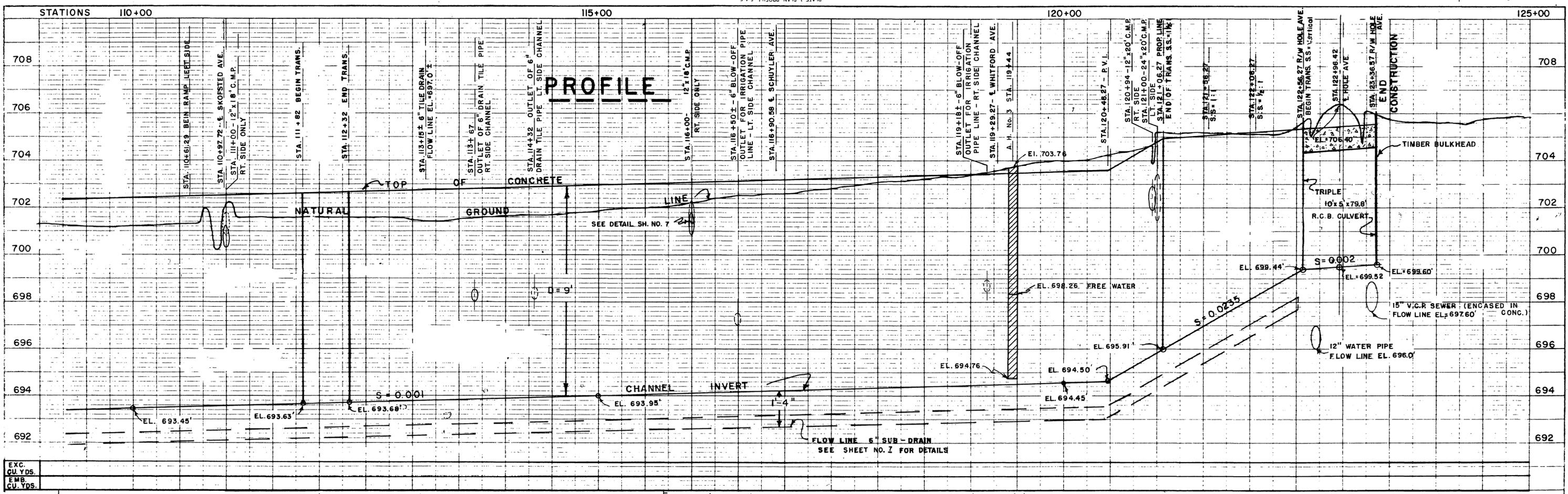
AS CONSTRUCTED

DATE: APRIL 1963 - R. DAVIS

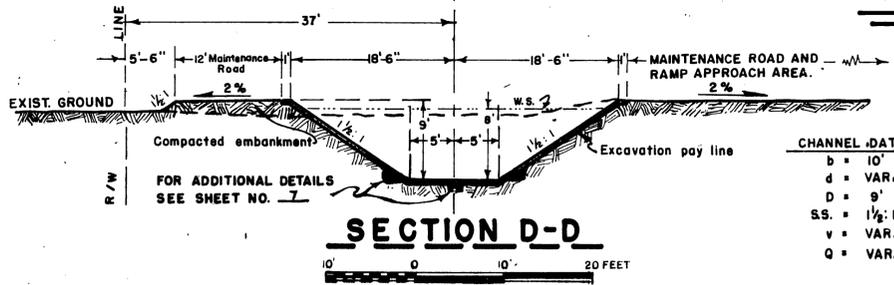
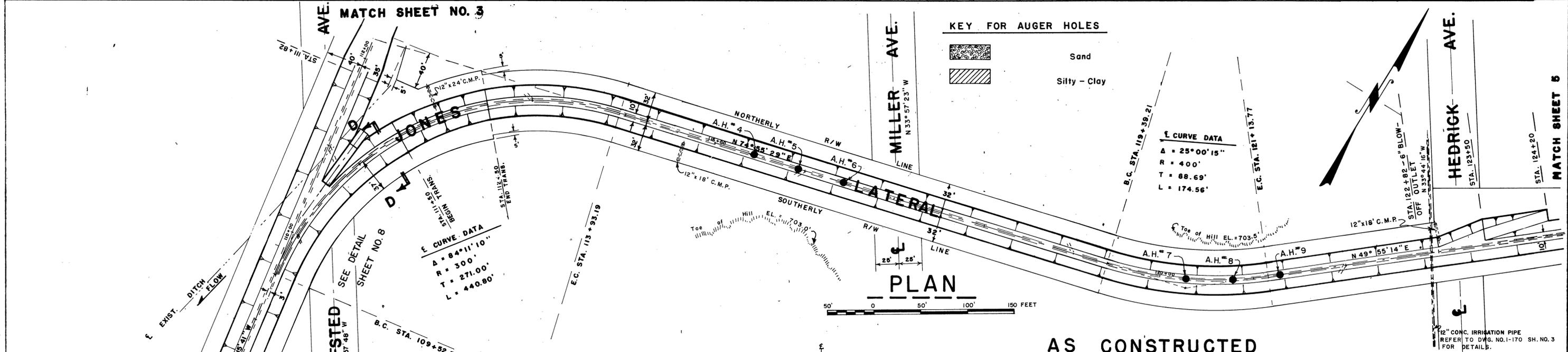
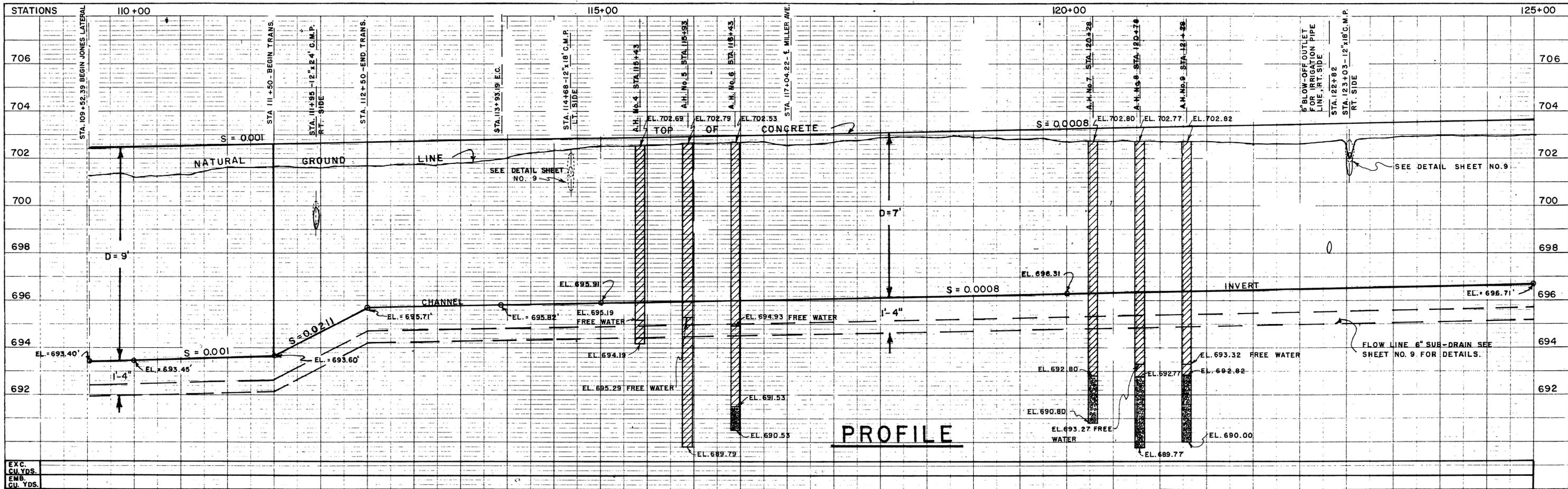
PROJECT NO. 1-0-060

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		
LA SIERRA STORM CHANNEL		
STAGE "C"		
APPROVED: <i>[Signature]</i>	DRAWN: R. Davis	SHEET NO. 2
CHECKED: D. M. Mann	DATE DRAWN: JUNE 1961	DES. NO. 1-165

D-173-C



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
LA SIERRA STORM CHANNEL
 STAGE "C"
 DRAWN: R. Davis
 TRACED: Ken Bilodeau
 CHECKED: D.M. Mann
 DATE: 7-2-63
 SHEET NO. 3
 PROJECT NO. 1-0-060
 DATE: APRIL 1963 - R. DAVIS



AS CONSTRUCTED

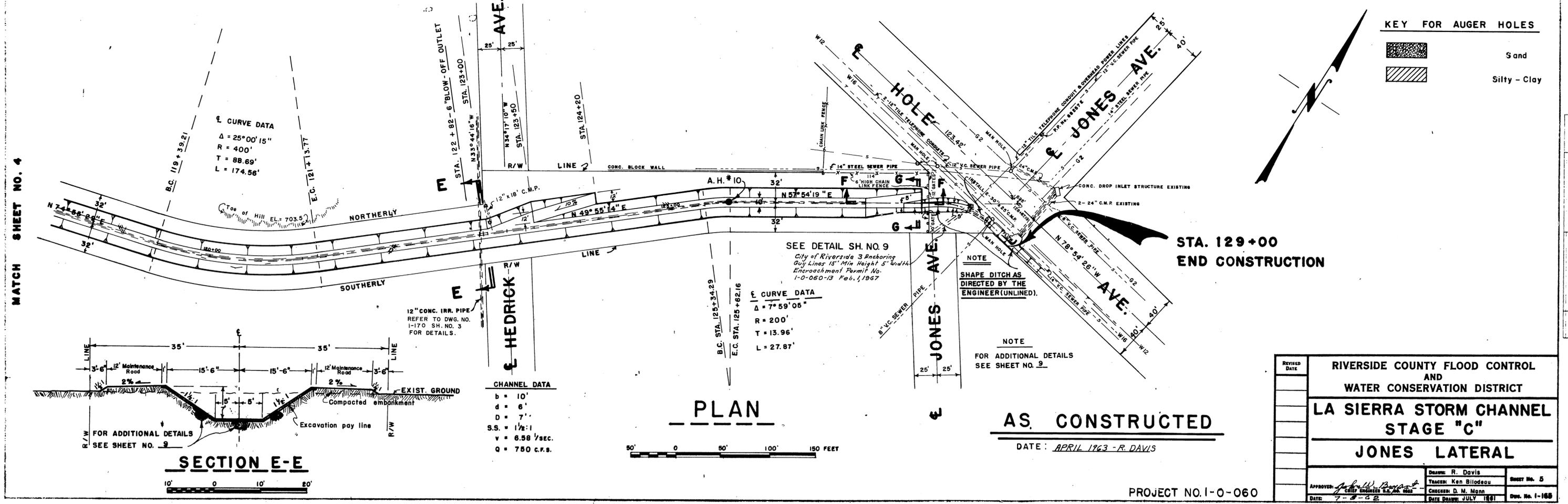
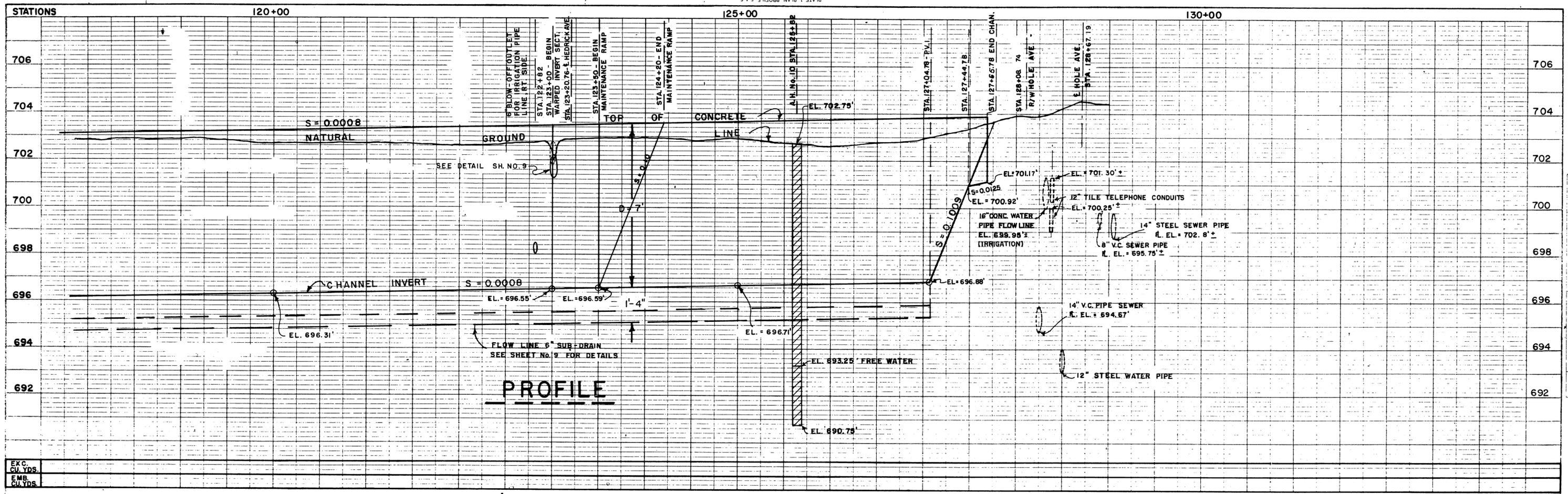
DATE: APRIL 1963 - R. DAVIS

REVISED DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	
	LA SIERRA STORM CHANNEL	
	STAGE "C"	
	JONES LATERAL	
DRAWN: R. Davis	DESIGNED: Ken Blodgett	SHEET NO. 4
CHECKED: D. M. Mann	DATE DRAWN: July 1961	Dist. No. 1-168

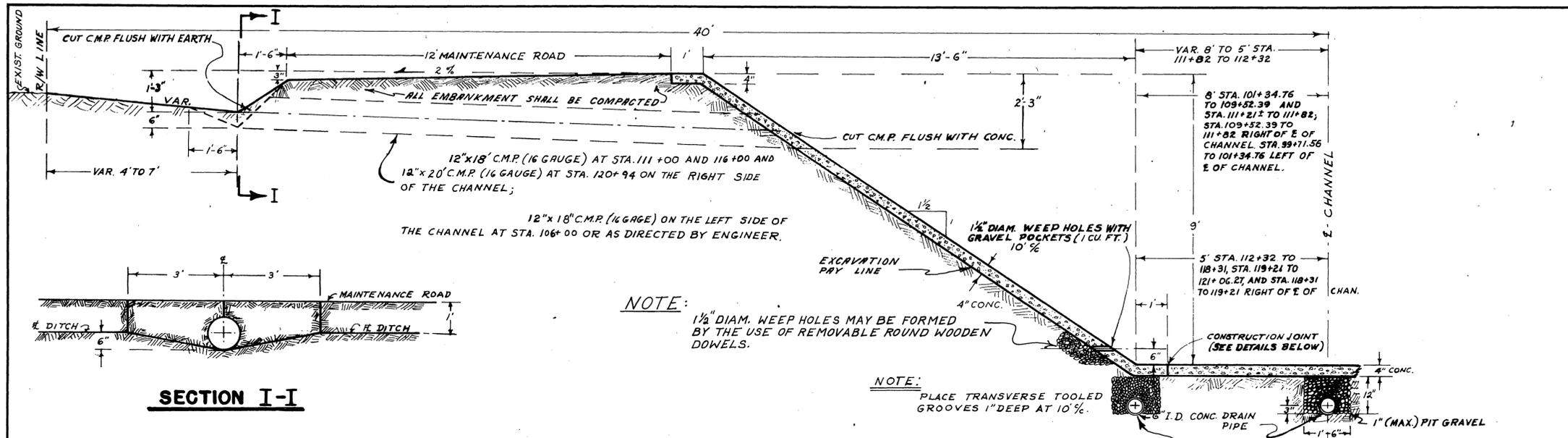
MATCH SHEET NO. 2

PROJECT NO. 1-0-060

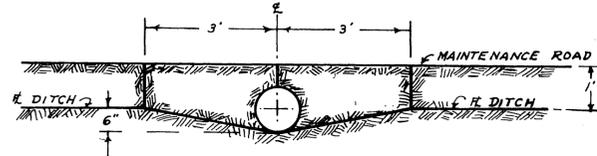
D-173-C



REVISED DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	
	LA SIERRA STORM CHANNEL STAGE "C"	
	JONES LATERAL	
APPROVED: <i>[Signature]</i>	DRAWN: R. Davis	SHEET NO. 5
DATE: 7-8-62	CHECKED: D. M. Mann	DATE DRAWN: JULY 1961
		PROJECT NO. 1-0-060



SECTION I-I

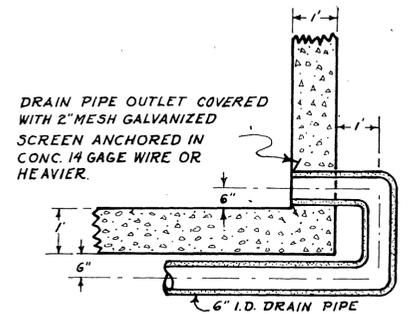


NOTE:
1 1/2" DIAM. WEEP HOLES MAY BE FORMED BY THE USE OF REMOVABLE ROUND WOODEN DOWELS.

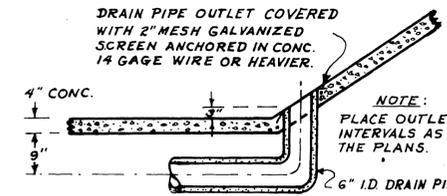
NOTE:
PLACE TRANSVERSE TOOLED GROOVES 1" DEEP AT 10%.

**TYPICAL SECTION
SYMMETRICAL ABOUT E
STA 99+71.56 TO 121+06.27**

NOTE: THIS ADDITIONAL DRAIN TYPICAL ONLY FROM STA. 111+00 TO 121+06



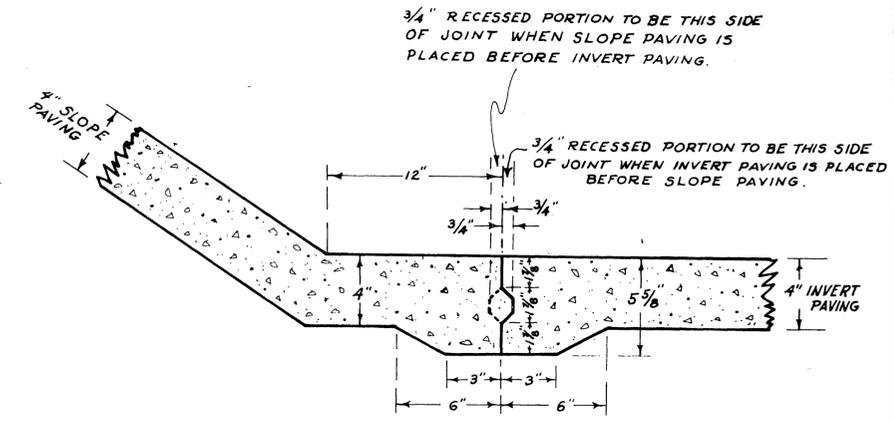
**TYPICAL OUTLET
IN VERTICAL CHANNEL WALL**



**TYPICAL OUTLET
IN SLOPED CHANNEL WALL**

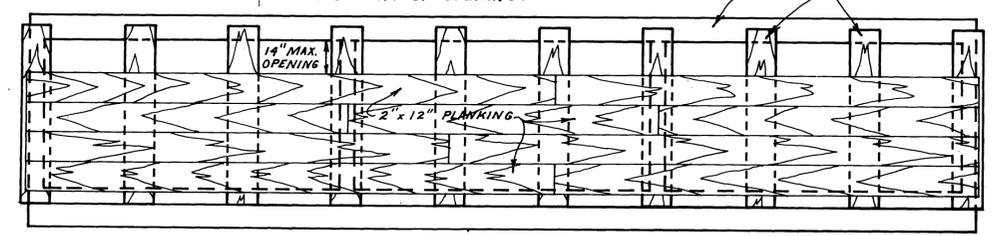
SUB DRAIN - OUTLET DETAILS

NOTE: PIT GRAVEL AT PIPE TO BE PLACED TO CHANNEL WALL OUTLETS; GRAVEL NOT SHOWN FOR CLARITY.



**ALTERNATE LONGITUDINAL CONSTRUCTION JOINT
NO SCALE**

NOTE:
TIMBER SHALL BE DOUGLAS FIR, NO. 1, ROUGH.
TIMBER SURFACES SHALL BE TREATED WITH CREOSOTE.
BACKFILL BEHIND BULKHEAD TO BOTTOM OF OPENING.
TRIPLE 5' x 10' BOX CULVERT
3" x 12" x 6'-0" ON 3'-6" CENTERS



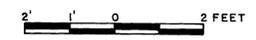
TIMBER BULKHEAD AT STA. 123+36.56

SCALE
0 1 2 3 FEET

**AS
CONSTRUCTED**

DATE: APRIL 1963 - R. DAVIS

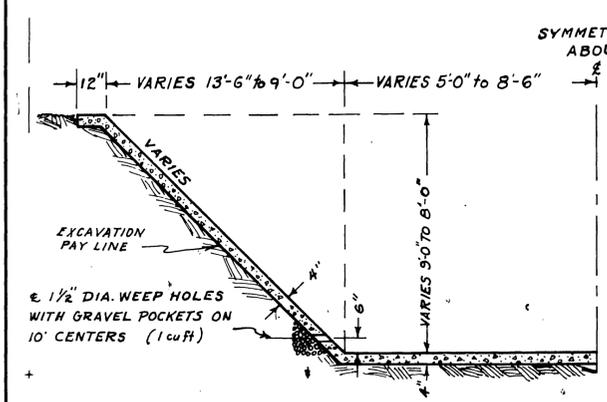
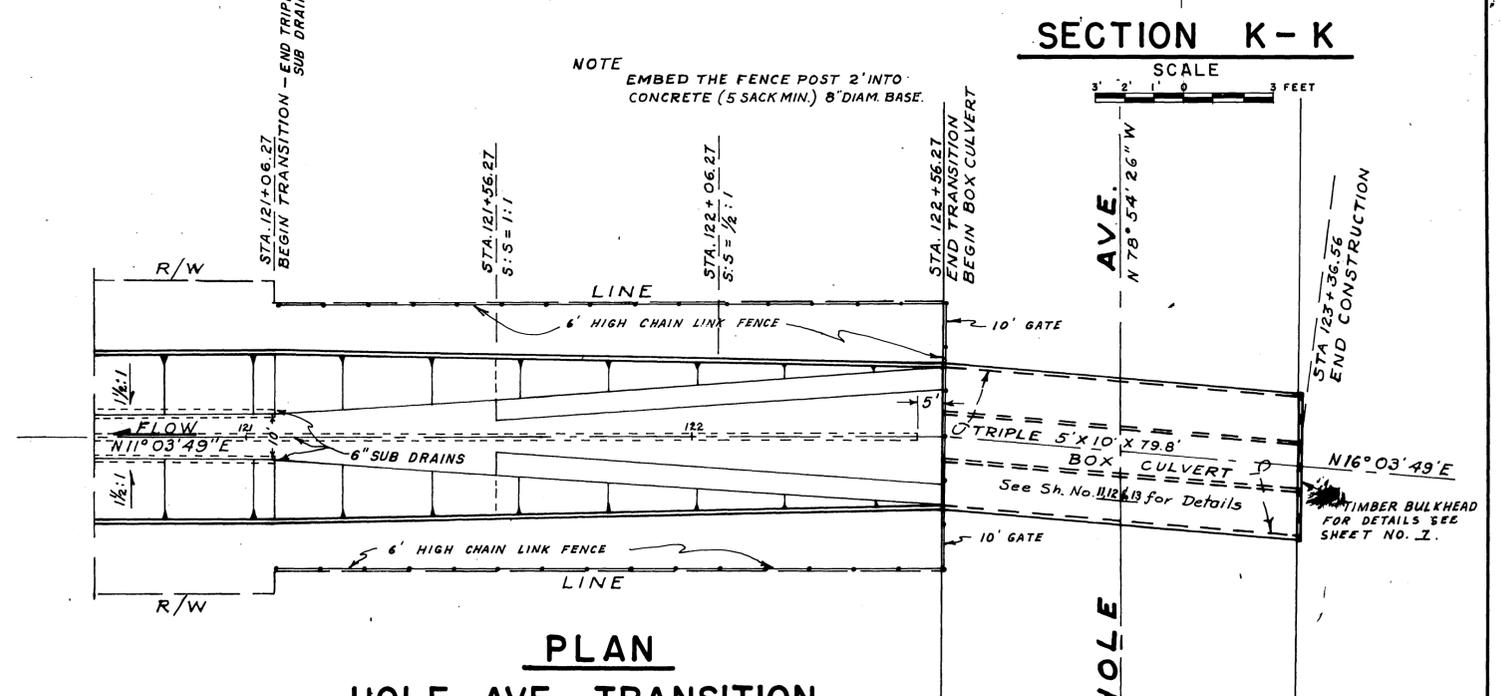
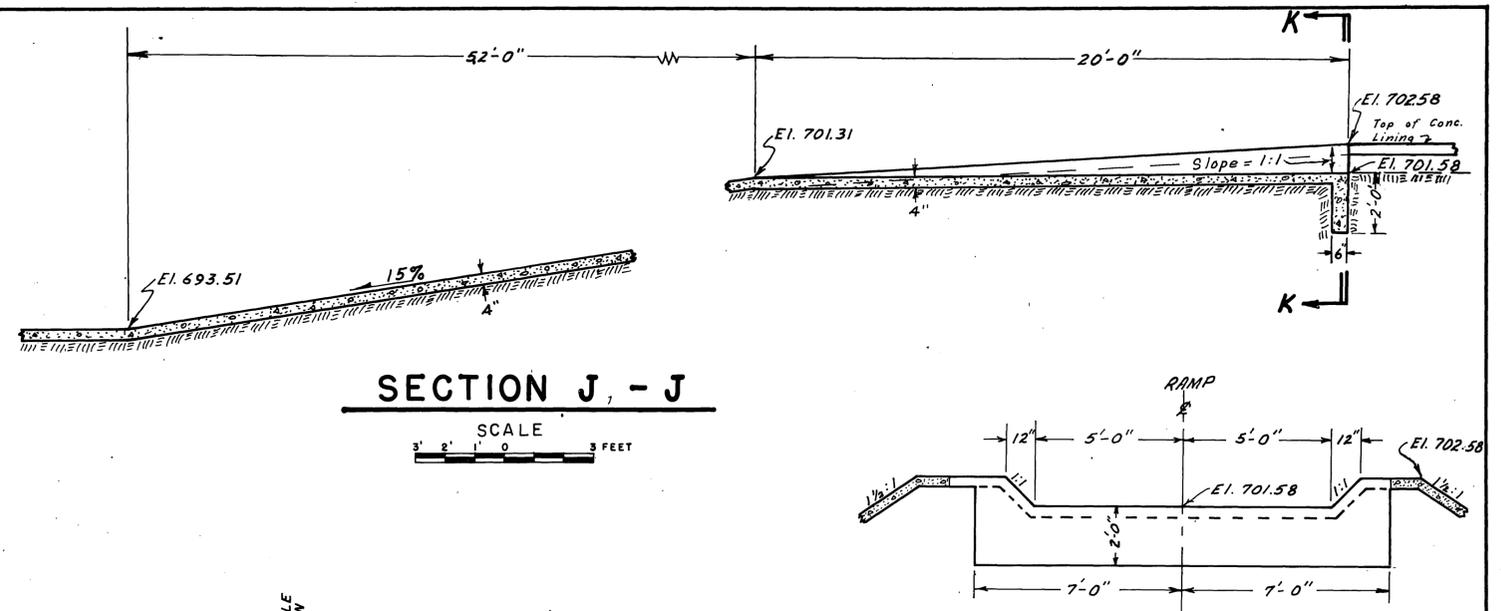
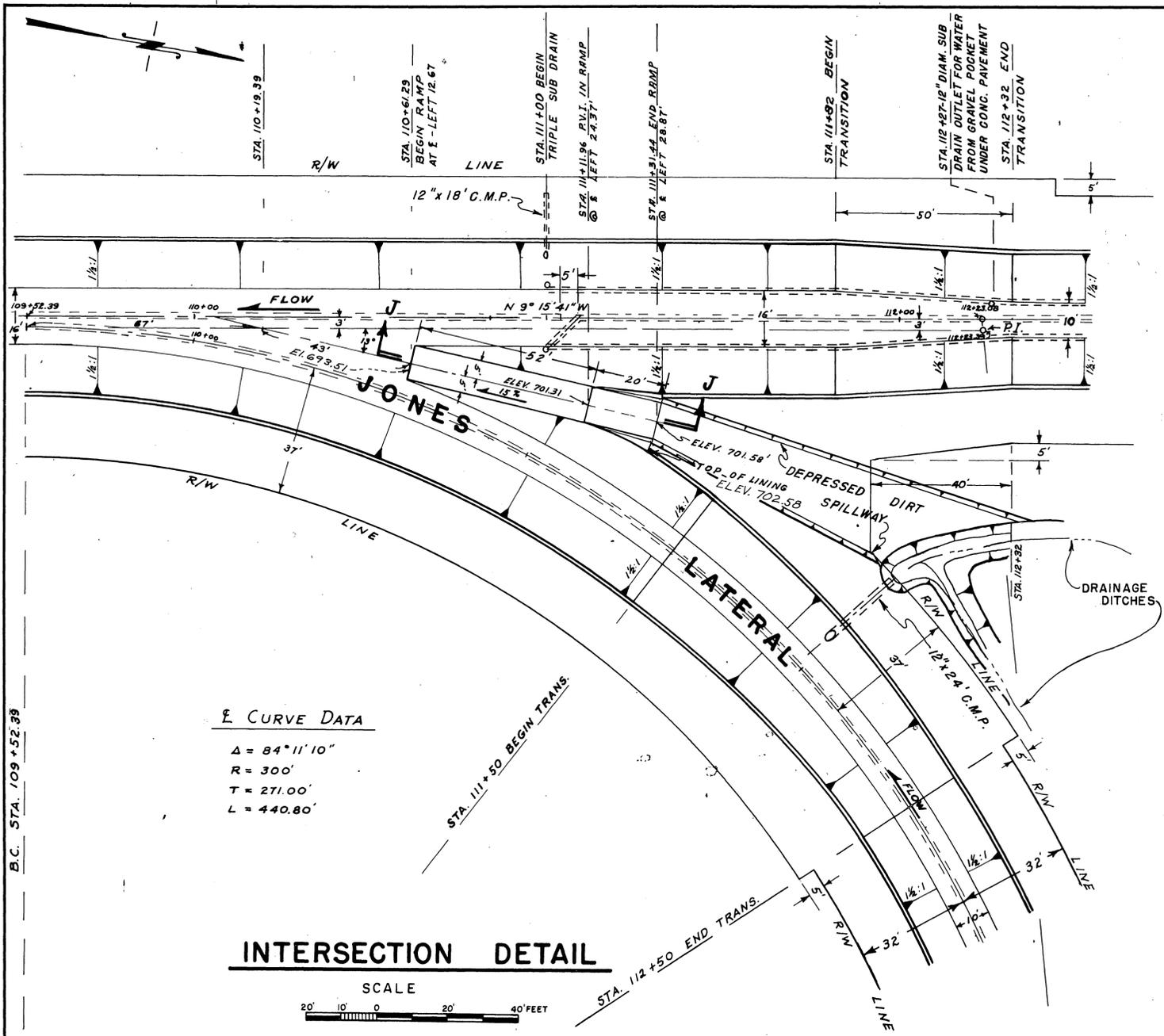
SCALE UNLESS OTHERWISE NOTED



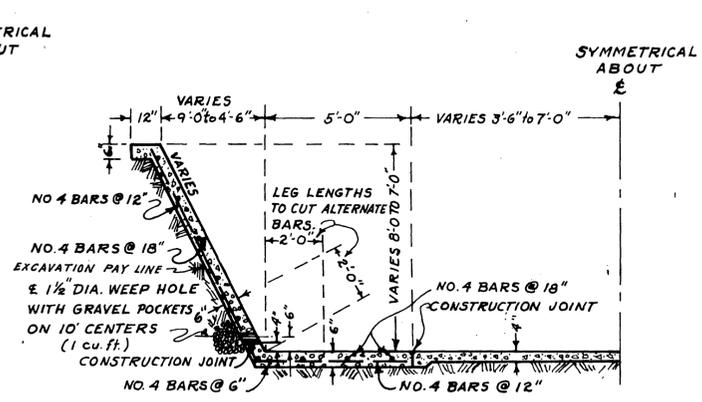
REVISED DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		
R. DAVIS JULY 25/62	LA SIERRA STORM CHANNEL STAGE "C" DETAILS		
APPROVED: <i>John M. Bussert</i> CHIEF ENGINEER S.C. W. DIST.	DRAWN: R. DAVIS	CHECKED: D. M. MANN	SHEET No. 7
DATE: 7-8-62	DATE DRAWN: July 20, 1961		DWG. No. 1-165

PROJECT NO. 1-0-060

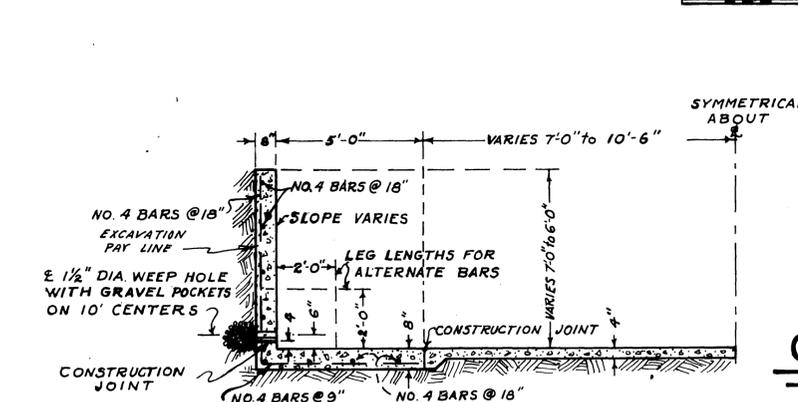
D-173C



STA. 121+06.27 TO STA. 121+56.27



STA. 121+56.27 TO STA. 122+06.27



STA. 122+06.27 TO STA. 122+56.27

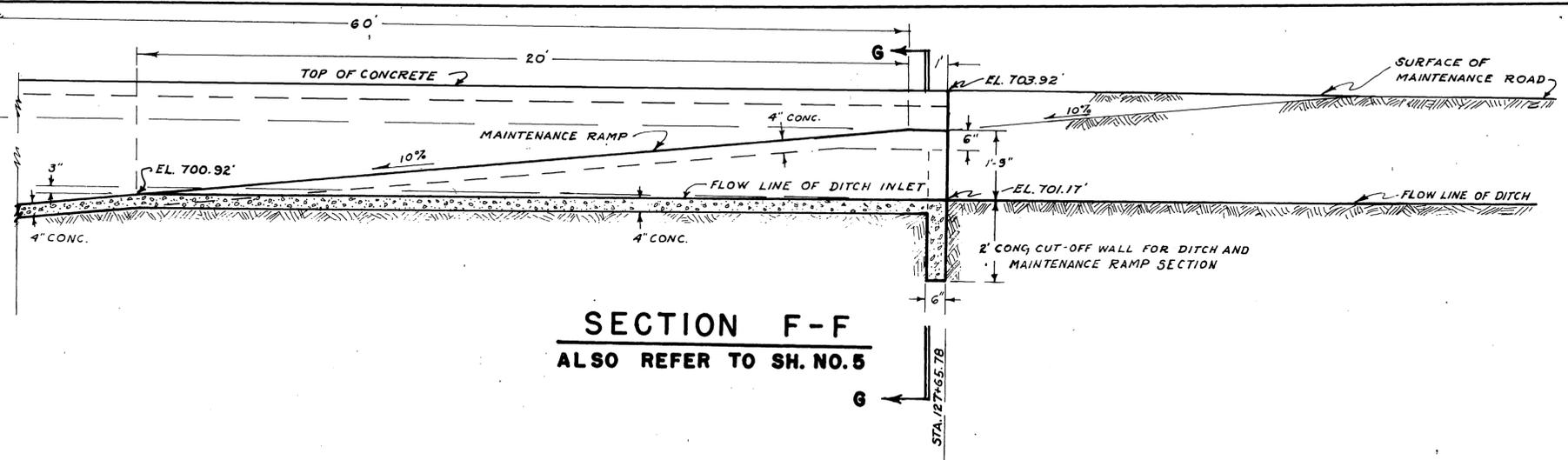
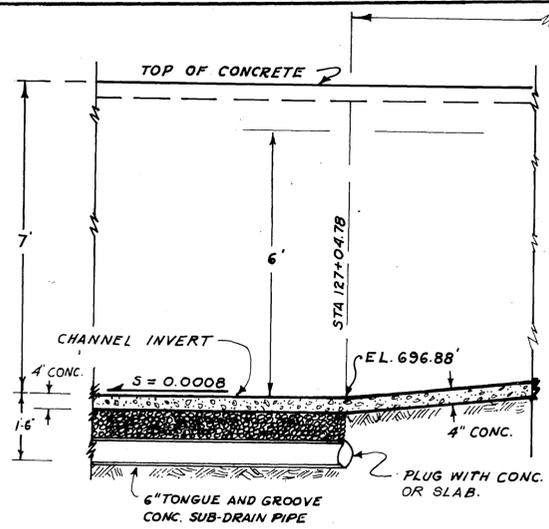


AS CONSTRUCTED

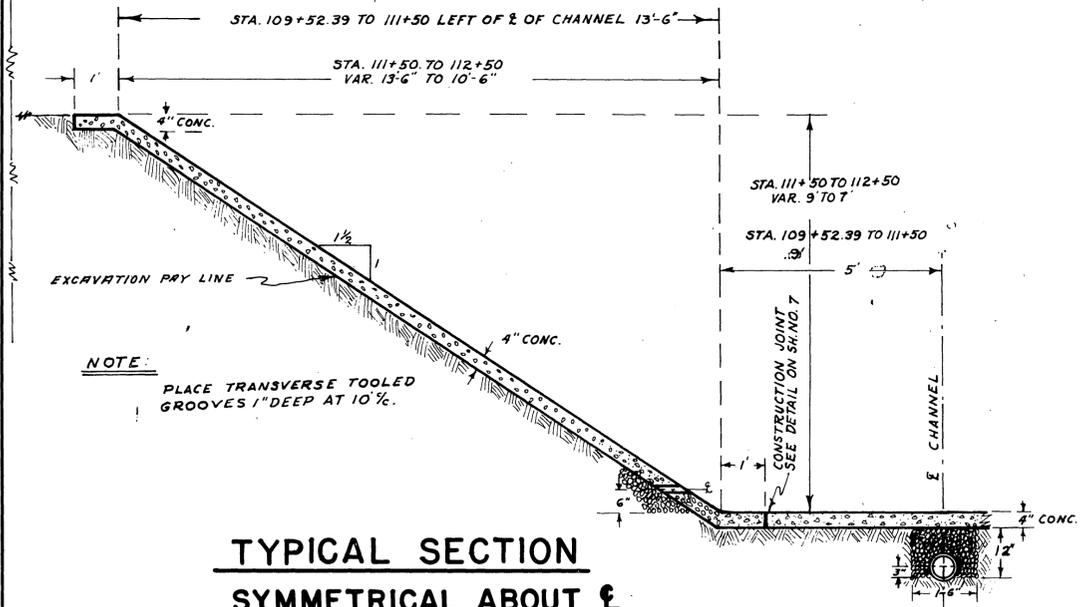
DATE: APRIL 1963 - R. DAVIS

PROJECT NO. 1-0-060

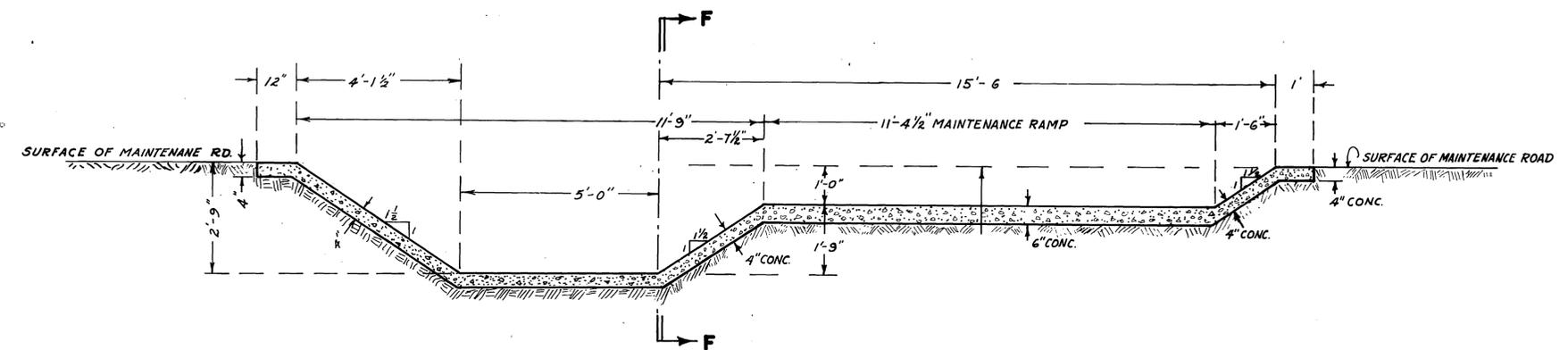
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT			
LA SIERRA STORM CHANNEL STAGE "C"			
DETAILS			
APPROVED: <i>[Signature]</i> CHIEF ENGINEER U.S. ARMY	DRAWN: R. DAVIS	CHECKED: D. M. MANN	SHEET No. 8
DATE: 7-4-63	DATE DRAWN: July 1961		Draw. No. 1-165



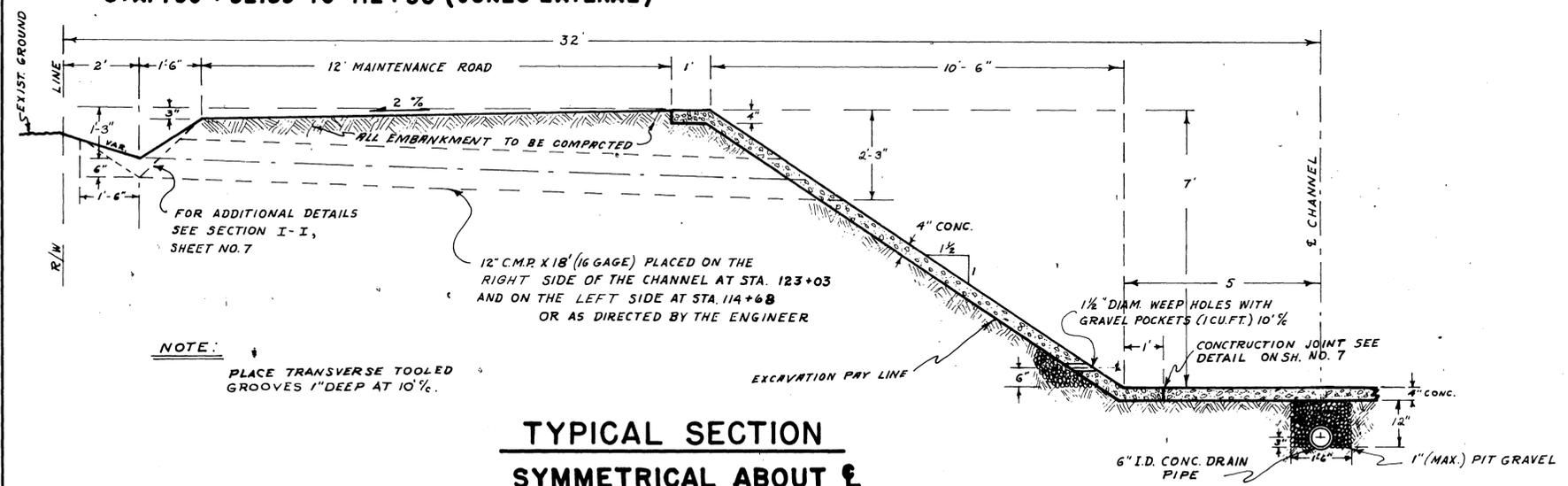
SECTION F-F
ALSO REFER TO SH. NO. 5



TYPICAL SECTION
SYMMETRICAL ABOUT E
STA. 109 + 52.39 TO 112 + 50 (JONES LATERAL)



SECTION G-G
ALSO REFER TO SH. NO. 5



TYPICAL SECTION
SYMMETRICAL ABOUT E
STA. 112 + 50 TO 127 + 04.78 (JONES LATERAL)
STA. 123 + 00 TO 124 + 20 LEFT OF E OF CHANNEL
(JONES LATERAL)

AS CONSTRUCTED

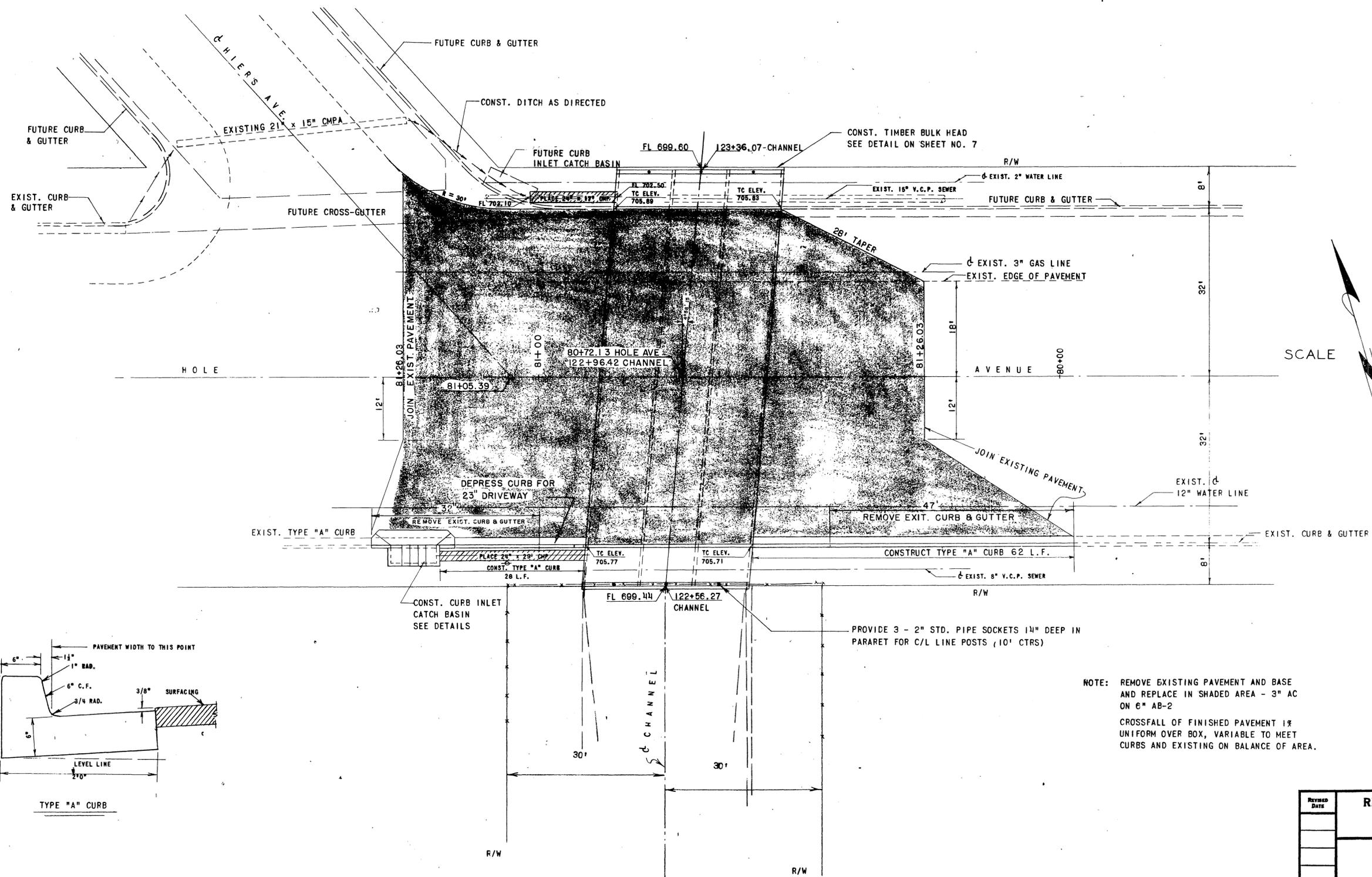
DATE: APRIL 1963-R. DAVIS



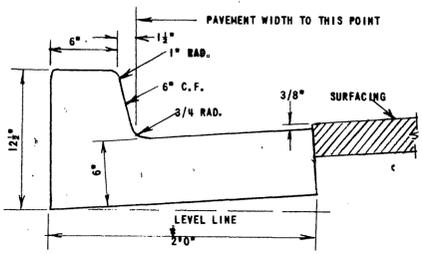
REVISED DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		
R. DAVIS JULY 25, 1962	LA SIERRA STORM CHANNEL STAGE "C"		
	JONES LATERAL DETAILS		
APPROVED: <i>R. Davis</i>	DRAWN: R. Davis	SHEET No. 9	
DATE: 7-2-62	CHECKED: D.M. MORN	Dwg. No. 1-165	

PROJECT NO. 1-0-060

D-173 C



SCALE 1" = 10'



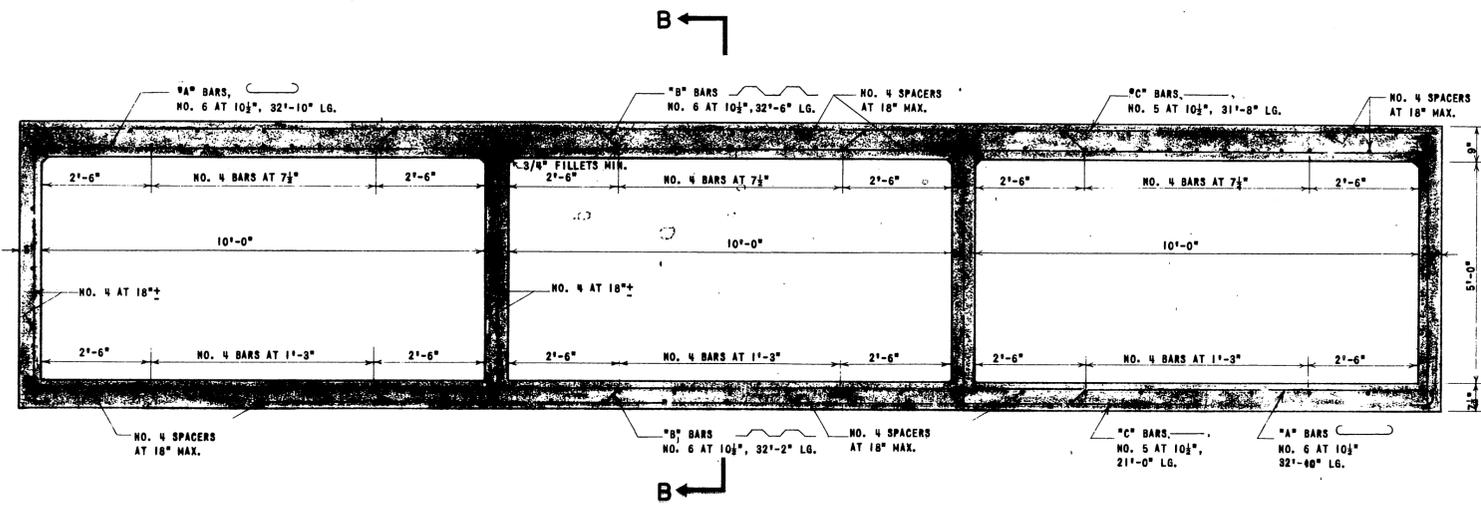
TYPE "A" CURB

NOTE: REMOVE EXISTING PAVEMENT AND BASE AND REPLACE IN SHADED AREA - 3" AC ON 6" AB-2
 CROSSFALL OF FINISHED PAVEMENT 1% UNIFORM OVER BOX, VARIABLE TO MEET CURBS AND EXISTING ON BALANCE OF AREA.

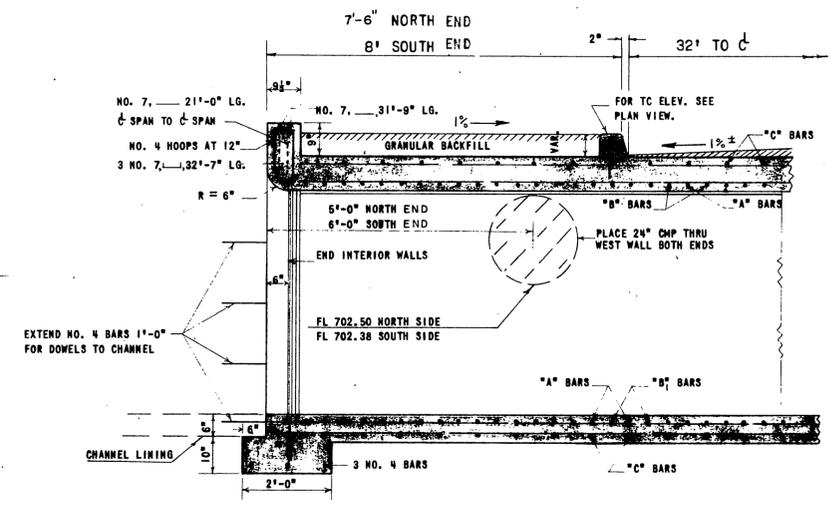
AS CONSTRUCTED

DATE: APRIL 1963 - R. DAVIS

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT			
GENERAL PLAN			
TRIPLE 10'x5' R.C. BOX CULVERT ACROSS HOLE AVENUE - STATION 122+96.42			
APPROVED: <i>A.C. Davis</i>	ROAD COMMISSIONER	DRAWN: <i>[Signature]</i>	SHEET NO. 11
APPROVED: <i>[Signature]</i>	CITY ENGINEER	CHECKED: <i>[Signature]</i>	DATE DRAWN: 7-18-62
DATE: 7-18-62			

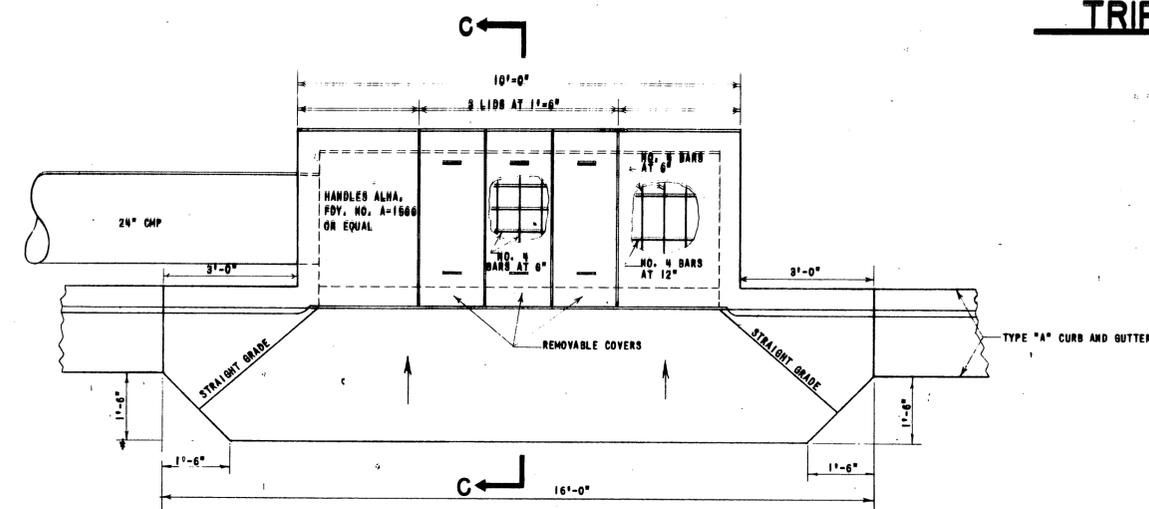


SECTION A-A

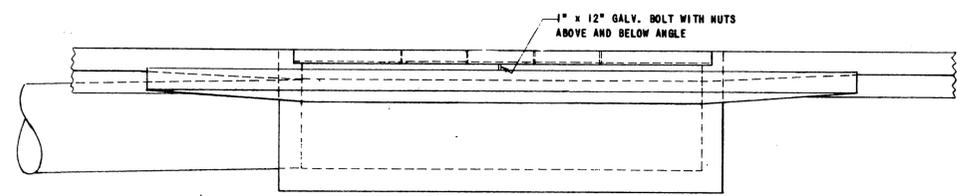


SECTION B-B AT ENDS

TRIPLE 10' x 5'-A x 79.80' BOX CULVERT
 SCALE: 1/2" = 1'-0"

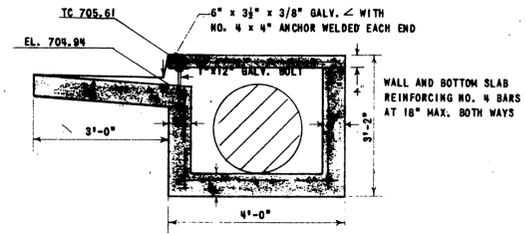


PLAN



ELEVATION

CURB INLET CATCH BASIN
 SCALE: 1/2" = 1'-0"



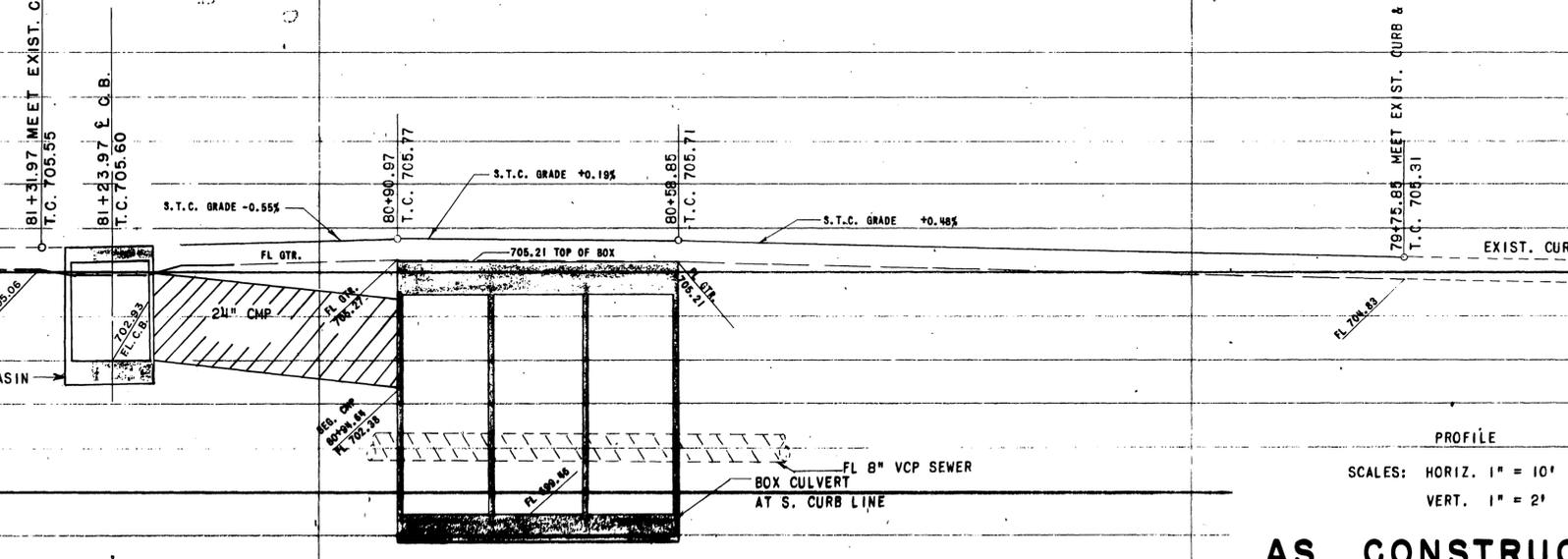
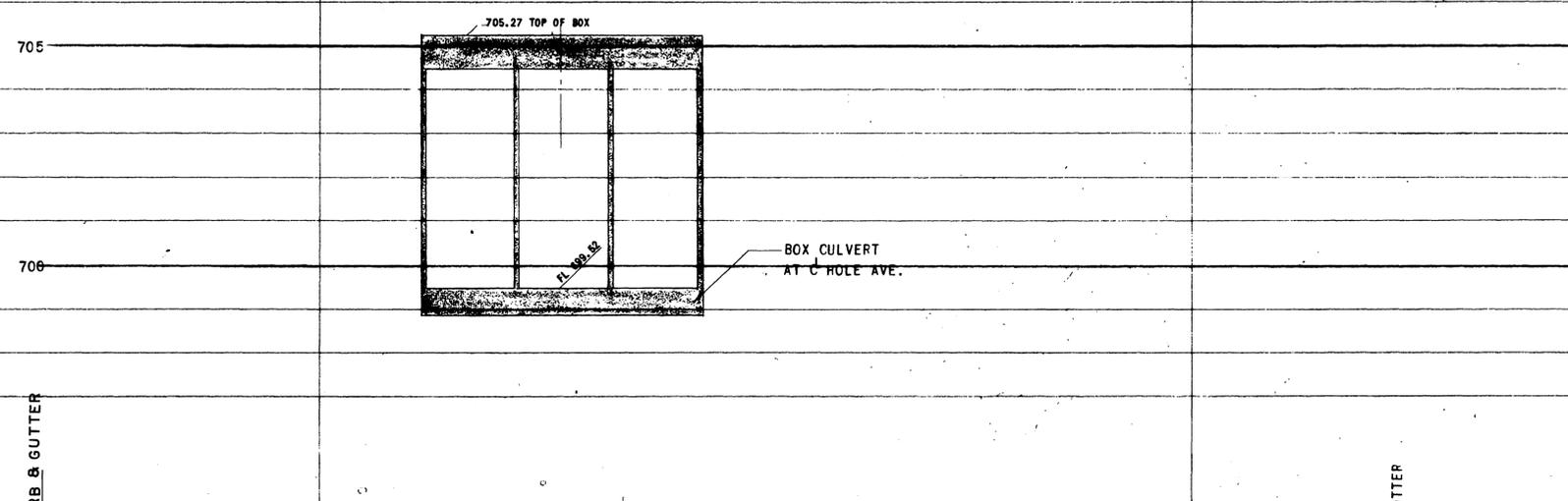
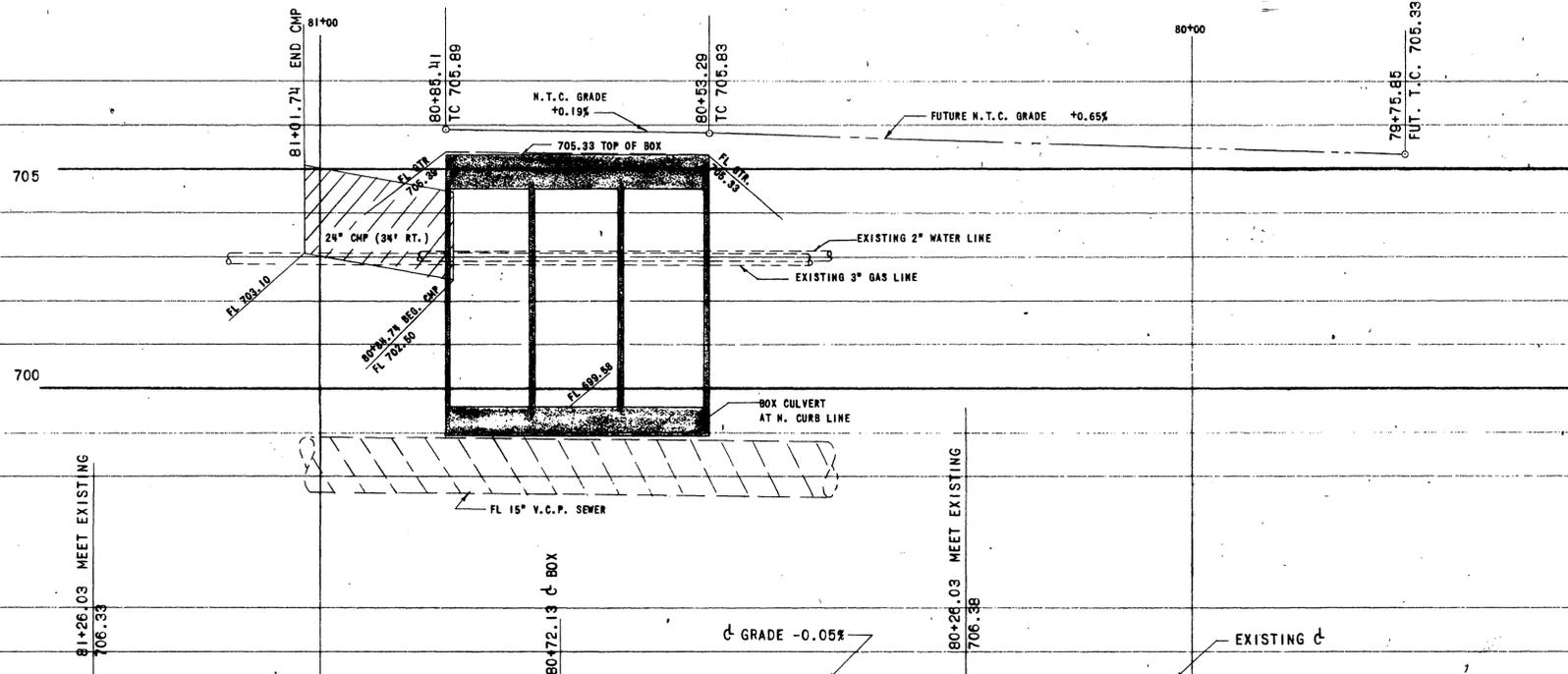
SECTION C-C

AS CONSTRUCTED

DATE: APRIL 1963 R.P.V/S
 PROJECT NO. 1-0-060

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT			
DETAILS - TRIPLE 10' x 5' R.C. BOX CULVERT ACROSS HOLE AVENUE - STATION 122+96.42			
APPROVED: <i>[Signature]</i>	DESIGNED: <i>[Signature]</i>	CHECKED: <i>[Signature]</i>	DATE: 7-10-63
APPROVED: <i>[Signature]</i>	DESIGNED: <i>[Signature]</i>	CHECKED: <i>[Signature]</i>	DATE: 7-10-63
REVISED DATE:	NO. OF CHANGES:	DATE DRAWN:	DRW. No. 1-100

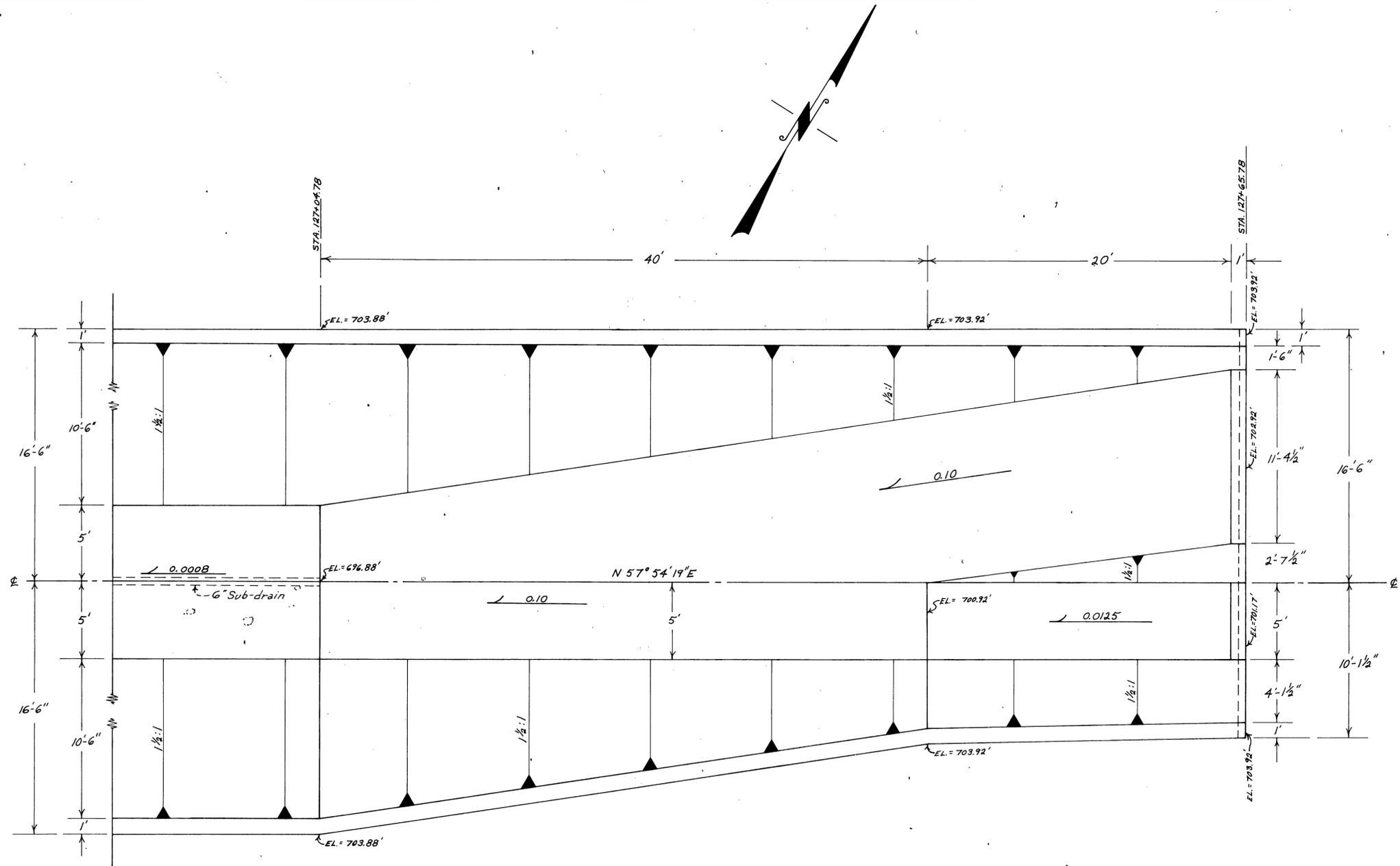
D-113 C



B.M. TOP OF P.K. NAIL IN HOLE AVE.
29.5' EAST OF HIERS ST.
ELEV. 706.37

PROFILE
 SCALES: HORIZ. 1" = 10'
 VERT. 1" = 2'
AS CONSTRUCTED
 DATE: APRIL 1963 - R. DAVIS

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	
PROFILE	
HOLE AVENUE ACROSS TRIPLE 10'x5' R.C. BOX CULVERT - STATION 122+96.42	
APPROVED: <i>R. O. Keith</i> ROAD ENGINEER	DRAWN: _____
APPROVED: <i>John H. Davis</i> SENIOR ENGINEER IN CHARGE	CHECKED: _____
DATE: 7-10-64	DATE DRAWN: _____
PROJECT NO. 1-0-060	SHEET No. 13
D-1730 140-E	DWG. No. 1-165



PLAN
SCALE: 1" = 4'

REVISED DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		
	LA SIERRA STORM CHANNEL STAGE "C"		
	JONES LATERAL END RAMP AND INLET STRUCTURE		
APPROVED: <i>[Signature]</i>	DRAWN: R. DAVIS	CHECKED: <i>[Signature]</i>	SHEET No. 14
DATE: Oct. 2, 1962	DATE DRAWN: JULY 1962		Doc. No. 1-168