LA SIERRA STORM CHANNEL

STAGE "D"

CONSTRUCTION DRAWINGS

BY

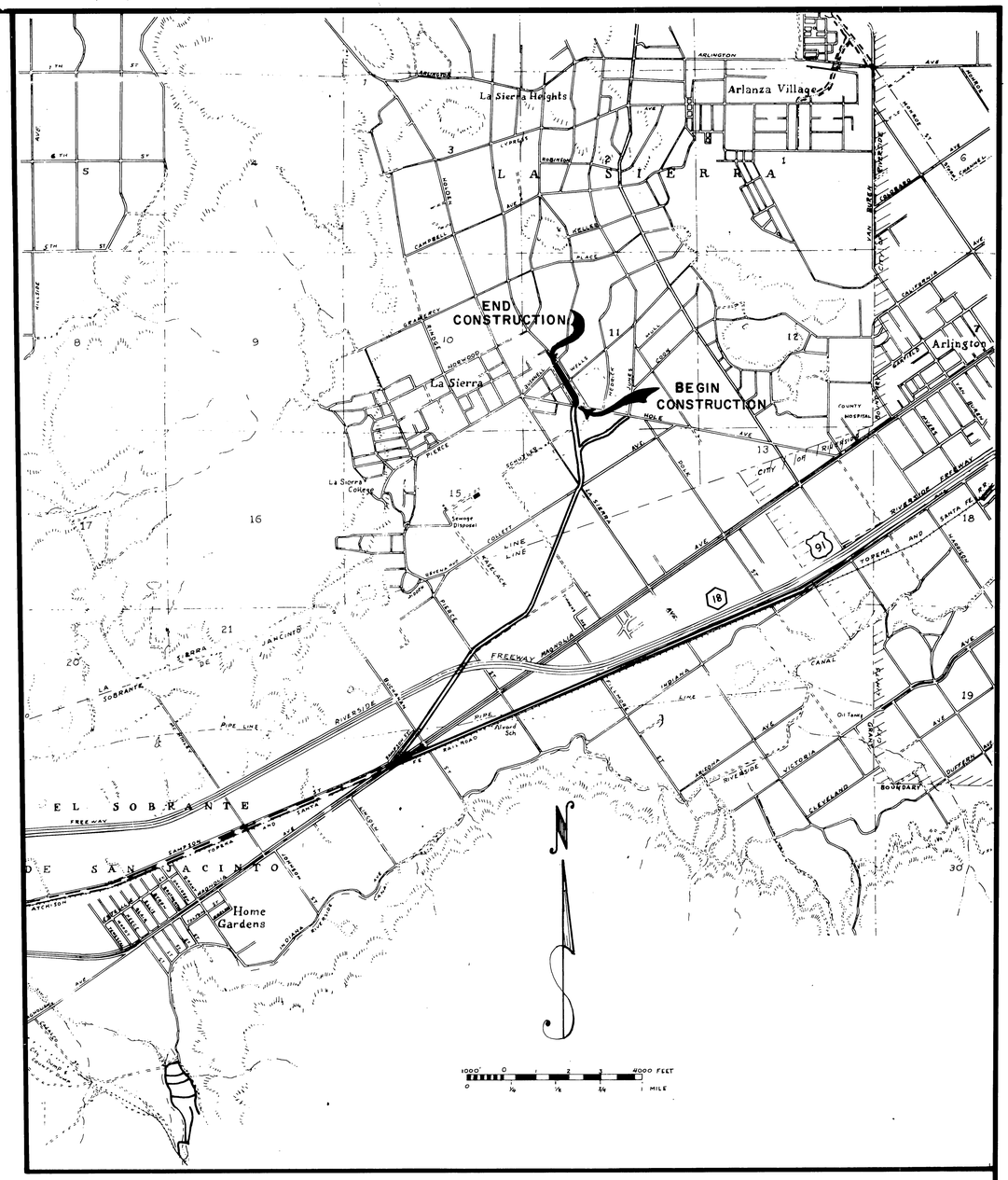
RIVERSIDE COUNTY FLOOD CONTROL

AND

WATER CONSERVATION DISTRICT

GENERAL NOTES

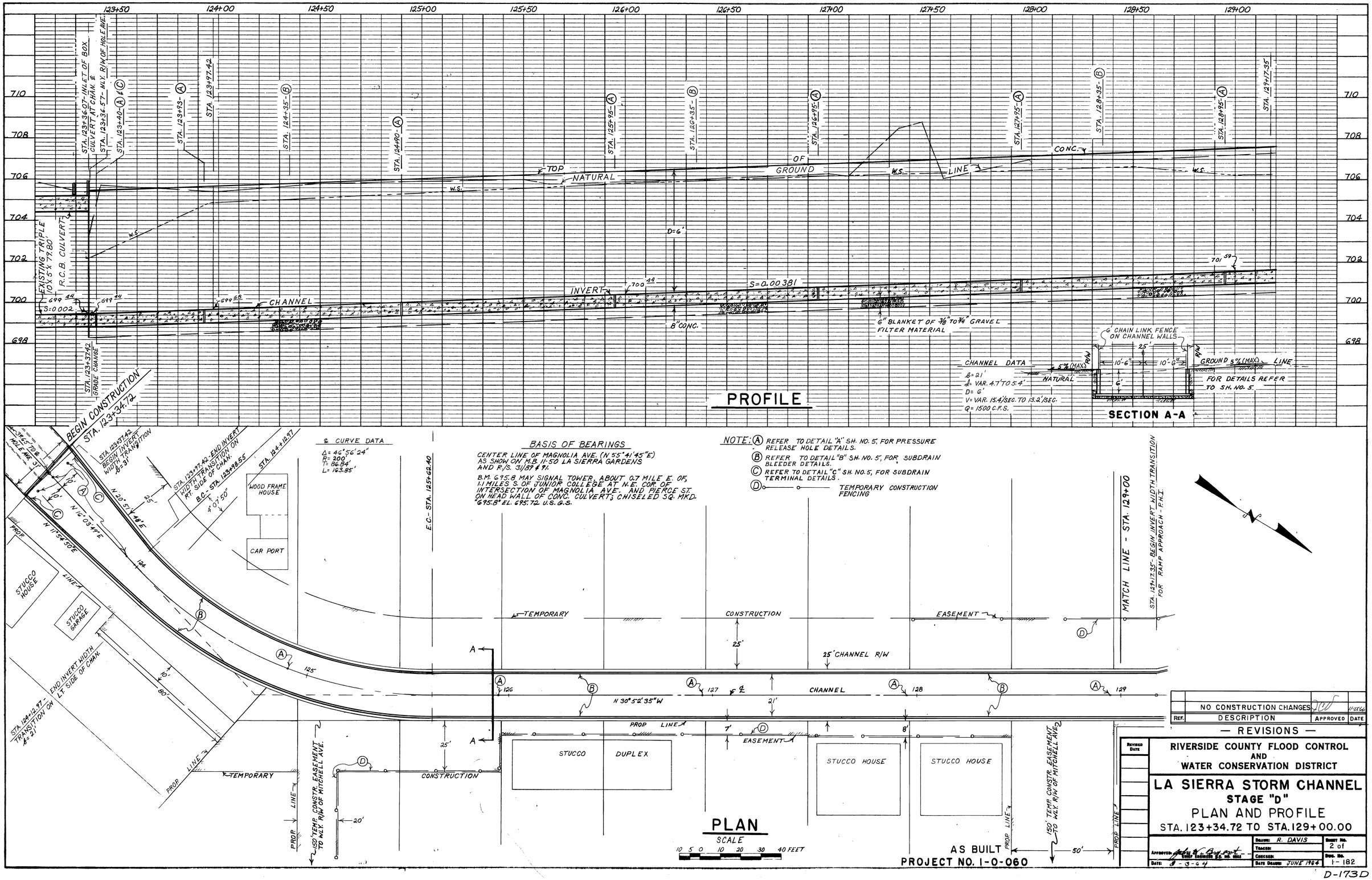
1. Reinforced concrete shall be Class A (6 sack) and shall have a minimum of 3,000 p.s.i. 28 day compressive strength.
2. Reinforcing steel shall be deformed, intermediate grade, billet-steel bars conforming to the specifications of A.S.T.M. Designation A-15, latest revised, with deformations conforming 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 1½" unless otherwise noted.
6. All exposed edges of concrete structures shall be chamfered ¾" or rounded as directed.
7. All concrete thickness dimensions are the minimum allowable.
8. Transverse construction joints at 50' spacing, or as directed by the Engineer, shall be provided in the reinforced concrete channel lining.
9. Approved broken rock or gravel, well graded from ⅜ inch to ¾ inch in size, shall be used for subdrainage filter material.
10. The backfill for the concrete channel shall be compacted to not less than 85% maximum density, and the backfill for the R.C.B. culverts shall be compacted to not less than 90% maximum density as determined by tests made conforming to the requirements of test Method No. Calif. 216 - F.
11. For Right of Way Data refer to Record of Survey Book 40 Pages 92 to 94.



AS BUILT
PROJECT NO. 1-0-060

Revised Date	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	
	LA SIERRA STORM CHANNEL STAGE "D"	
	COVER SHEET	
Approved: Chief Engineer & Gen. Mgr.	Drawn: K. M. Bilodeau Traced: R. Stiles Checked: D. M. Mann Date Drawn: MAY, 1963	Sheet No. 1 Dwg. No. 1-182
Date: 8-3-64		

D-173D



REF.	DESCRIPTION	APPROVED	DATE
	NO CONSTRUCTION CHANGES		11-25-64

— REVISIONS —

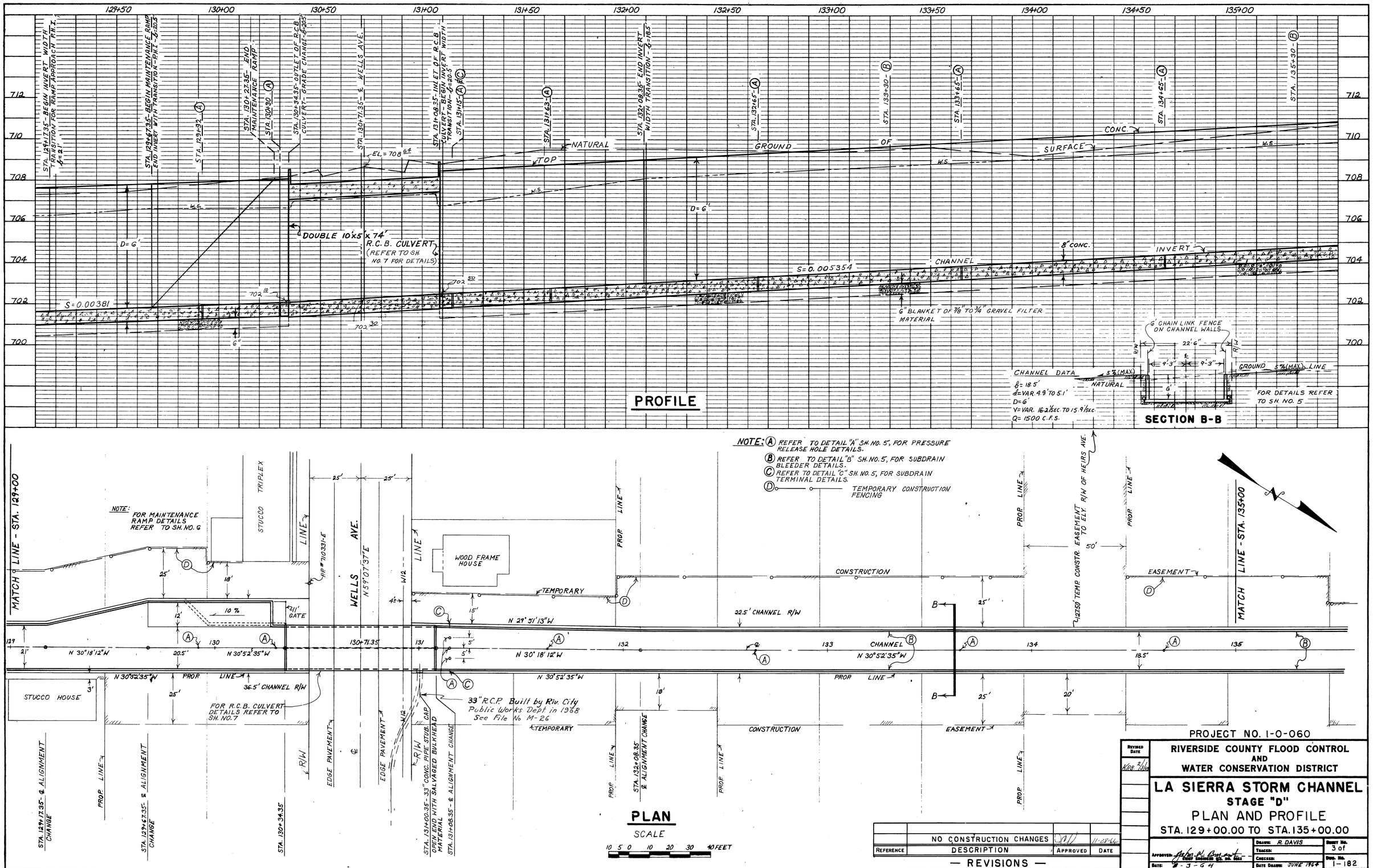
REVISED DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

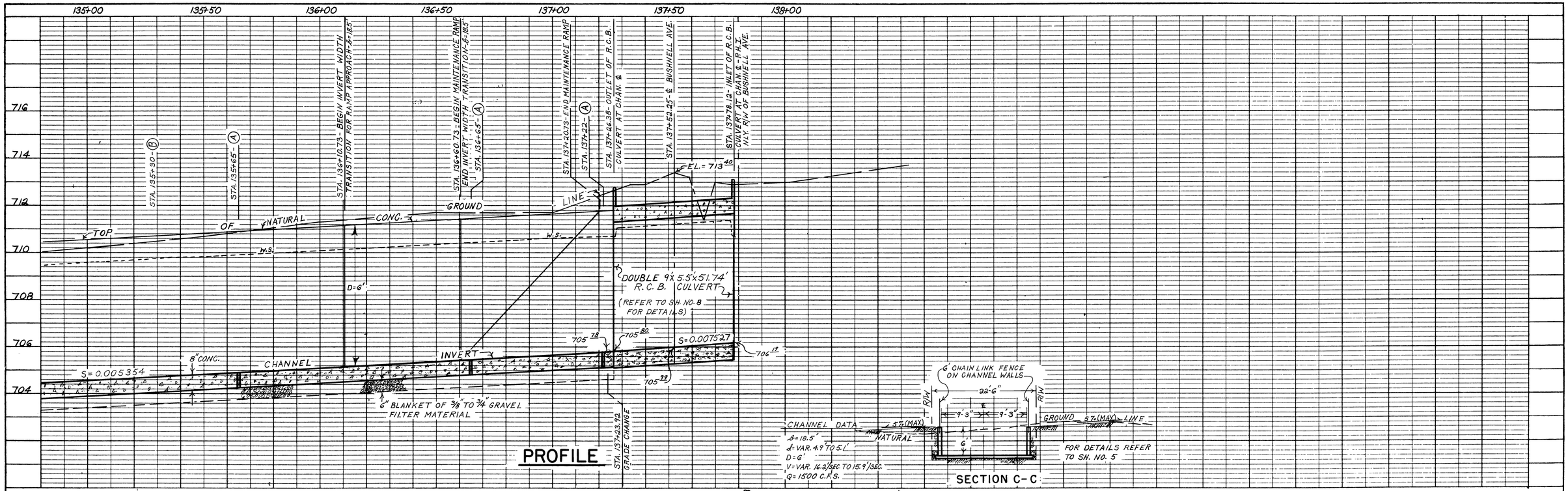
LA SIERRA STORM CHANNEL
STAGE "D"
PLAN AND PROFILE
STA. 123+34.72 TO STA. 129+00.00

APPROVED: [signature] CHIEF ENGINEER, C.E. NO. 6044	DRAWN: R. DAVIS	SHEET NO. 2 of
	TRACED:	
	CHECKED:	DWG. NO. 1-182
DATE: 8-3-64	DATE DRAWN: JUNE 1964	

D-173D



PROFILE
SECTION B-B
PLAN
SCALE
10 5 0 10 20 30 40 FEET
NOTE: (A) REFER TO DETAIL "A" SH. NO. 5, FOR PRESSURE RELEASE HOLE DETAILS.
(B) REFER TO DETAIL "B" SH. NO. 5, FOR SUBDRAIN BLEEDER DETAILS.
(C) REFER TO DETAIL "C" SH. NO. 5, FOR SUBDRAIN TERMINAL DETAILS.
(D) TEMPORARY CONSTRUCTION FENCING
NOTE: FOR MAINTENANCE RAMP DETAILS REFER TO SH. NO. 6
DOUBLE 10'x5'x74' R.C.B. CULVERT (REFER TO SH. NO. 7 FOR DETAILS)
S=0.00381
S=0.005354
NATURAL GROUND OF SURFACE
TOP CONC.
CHANNEL INVERT
8" CONC.
6" BLANKET OF 3/8" TO 3/4" GRAVEL FILTER MATERIAL
6' CHAIN LINK FENCE ON CHANNEL WALLS
CHANNEL DATA
FOR DETAILS REFER TO SH. NO. 5
MATCH LINE - STA. 129+00
MATCH LINE - STA. 135+00
STUCCO TRIPLEX
WELLS AVE.
WOOD FRAME HOUSE
STUCCO HOUSE
TEMPORARY CONSTRUCTION EASEMENT
22.5' CHANNEL R/W
36.5' CHANNEL R/W
FOR R.C.B. CULVERT DETAILS REFER TO SH. NO. 7
33" R.C.P. Built by Riv. City Public Works Dept. in 1968 See File No. M-26
PROJECT NO. 1-0-060
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
LA SIERRA STORM CHANNEL
STAGE "D"
PLAN AND PROFILE
STA. 129+00.00 TO STA. 135+00.00
NO CONSTRUCTION CHANGES
REFERENCE
DESCRIPTION
APPROVED
DATE
— REVISIONS —
AS BUILT
DRAWN: R. DAVIS
DATE DRAWN: JUNE 1964
SHEET NO. 3 of
DWG. NO. 1-182
D-173D



NOTE: (A) REFER TO DETAIL "A" SH. NO. 5, FOR PRESSURE RELEASE HOLE DETAILS.

(B) REFER TO DETAIL "B" SH. NO. 5, FOR SUBDRAIN BLEEDER DETAILS.

(D) —o—o— TEMPORARY CONSTRUCTION FENCING

REFERENCE	DESCRIPTION	APPROVED	DATE
	NO CONSTRUCTION CHANGES	[signature]	11-28-66

— REVISIONS —

REVISED DATE

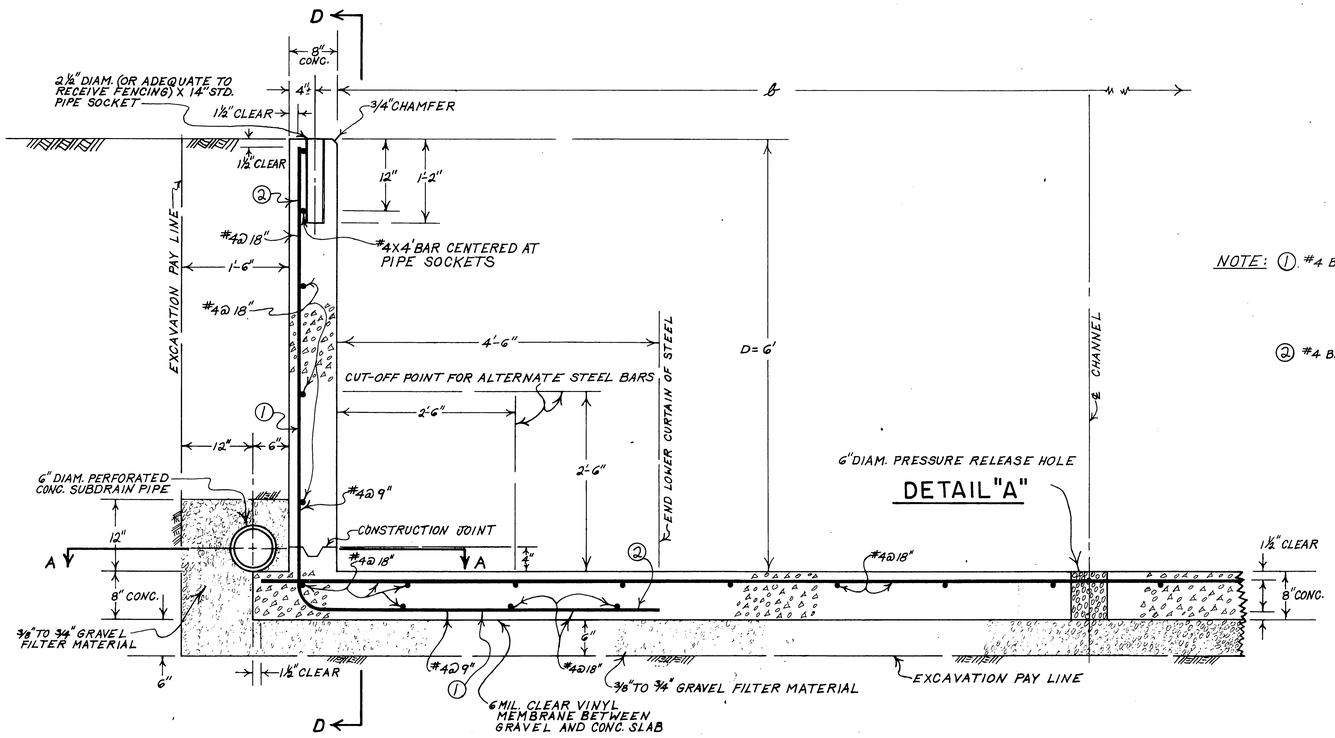
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

LA SIERRA STORM CHANNEL
STAGE "D"
PLAN AND PROFILE
STA. 135+00.00 TO STA. 137+80.58

APPROVED: [signature] CHIEF ENGINEER
DATE: 8-3-64
DRAWN: R. DAVIS
TRACED:
CHECKED:
DATE DRAWN: JUNE 1964
SHEET NO. 4 of
DWG. NO. 1-182

AS BUILT
PROJECT NO. 1-0-060

D-173D



TYPICAL CHANNEL SECTION

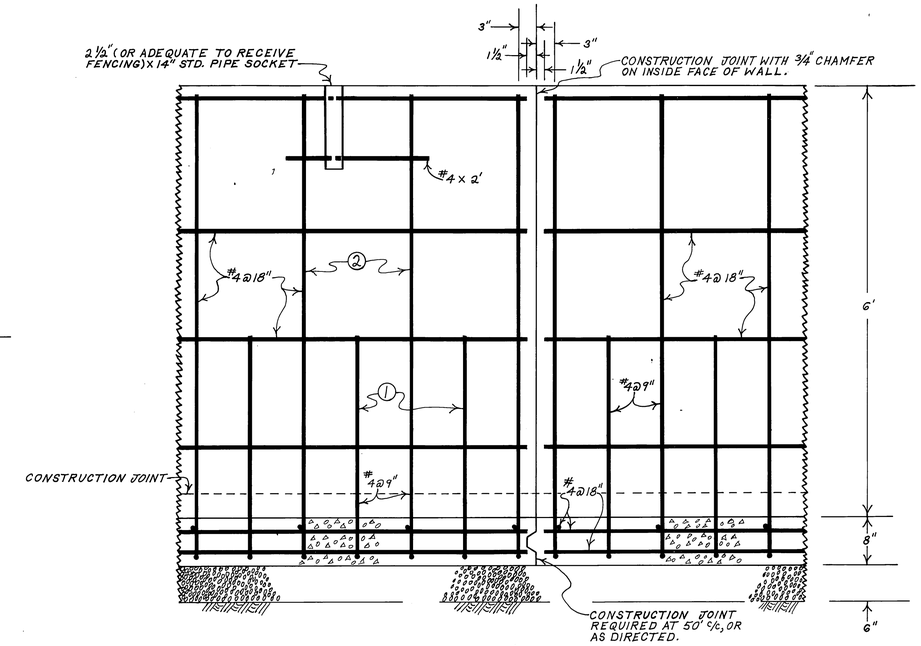
SYMMETRICAL ABOUT ℄

NOTE: ① #4 BAR: 3' / 3'

② #4 BAR: 6'-5" / 5'

6" DIAM. PRESSURE RELEASE HOLE

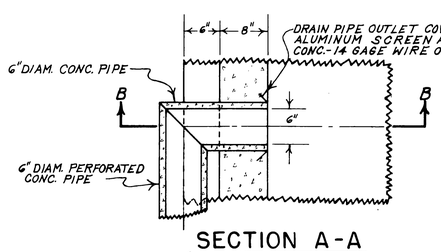
DETAIL "A"



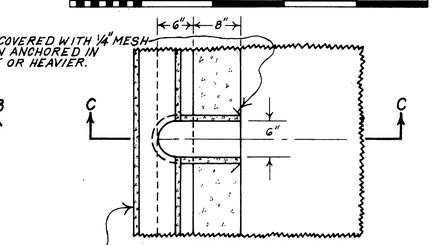
SECTION D-D

TYPICAL SECTION SCALE

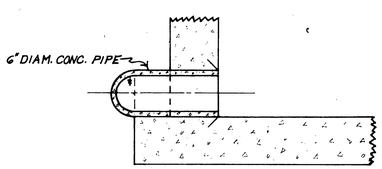
1 0.5' 0 1 2 3 4 FEET



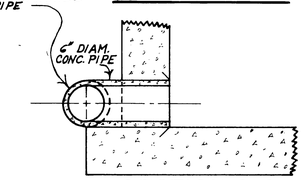
SECTION A-A



SECTION A-A



SECTION B-B



SECTION C-C

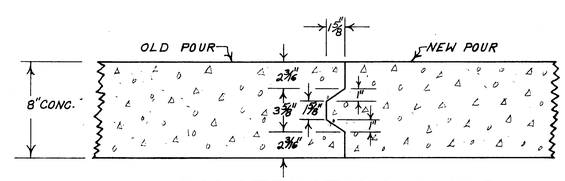
TYPICAL SUBDRAIN TERMINAL DETAILS

DETAIL "C"

TYPICAL SUBDRAIN BLEEDER DETAILS

DETAIL "B"

BOTH WALLS OF CHANNEL 200' ℄



CONSTRUCTION JOINT

TYPICAL FOR CHANNEL INVERT AND WALLS

SCALE

1 0.5' 0 1 2 FEET

AS BUILT

PROJECT NO. 1-0-060

REFERENCE	DESCRIPTION	APPROVED	DATE
	NO CONSTRUCTION CHANGES		11-21-66

— REVISIONS —

REVISED DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

LA SIERRA STORM CHANNEL

STAGE "D"

CHANNEL DETAILS

APPROVED: CHIEF ENGINEER R.E. NO. 8822

DATE: 8-3-64

DRAWN: R. DAVIS

TRACED:

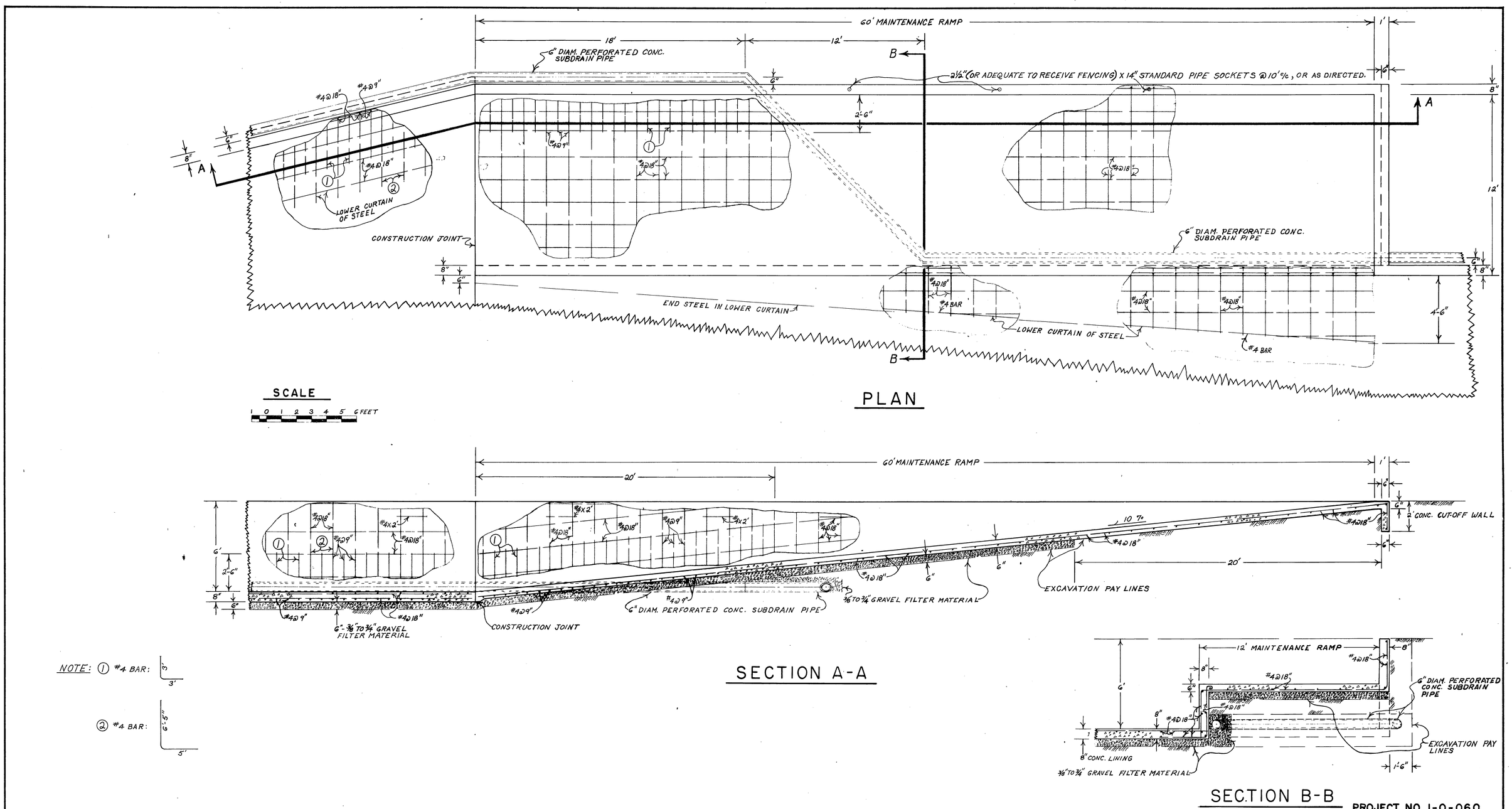
CHECKED:

DATE DRAWN: JULY 1964

SHEET NO. 5

DWG. NO. 1-182

D-173D



PROJECT NO. 1-0-060

REFERENCE	DESCRIPTION	APPROVED	DATE
	NO CONSTRUCTION CHANGES		

– REVISIONS –
AS BUILT

REVISED DATE

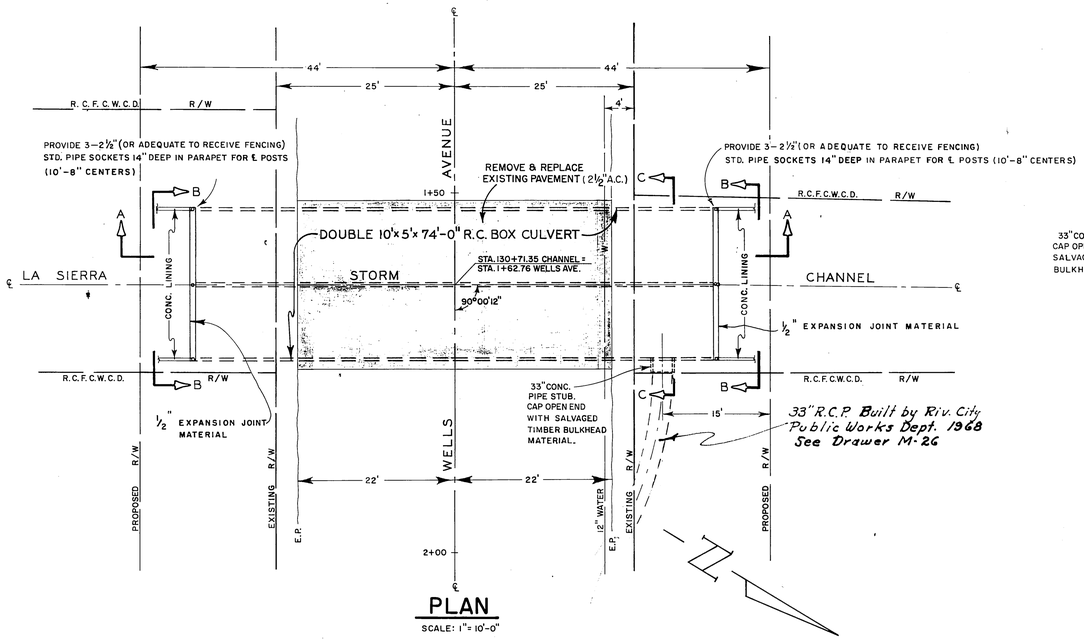
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

LA SIERRA STORM CHANNEL
STAGE "D"

MAINTENANCE RAMP DETAILS

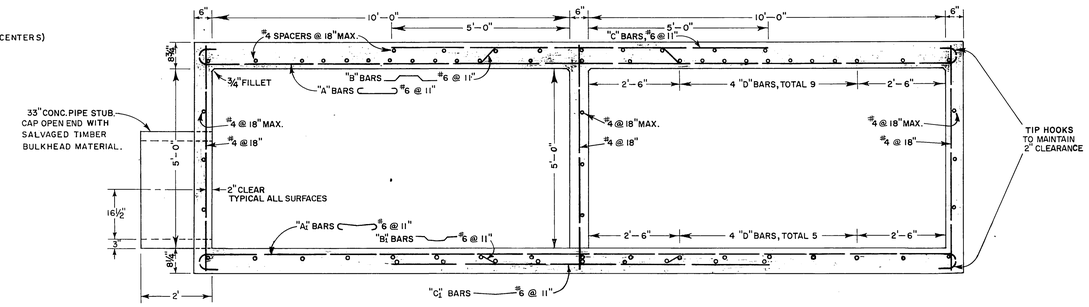
DRAWN: R. DAVIS
TRACED:
CHECKED:
DATE DRAWN: MAY 1964
APPROVED:
DATE: 8-3-63
SHEET No. 6
DWG. No. 1-182

D-173D



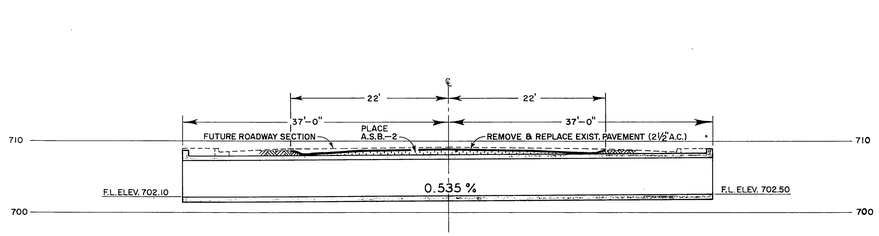
PLAN

SCALE: 1" = 10'-0"



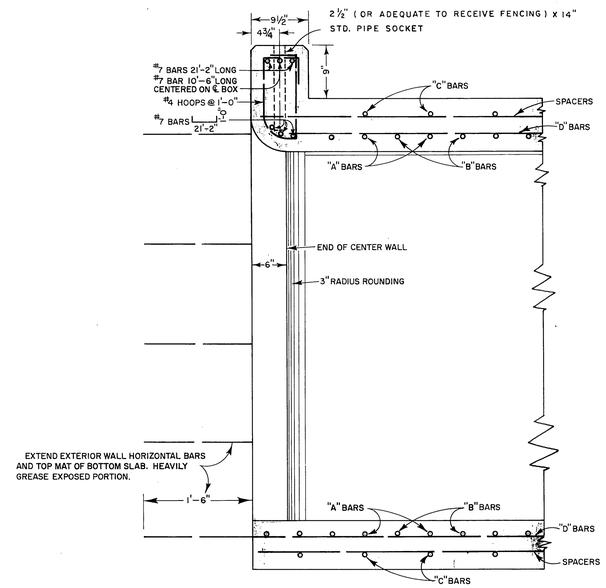
SECTION C-C

SCALE: ½" = 1'-0"



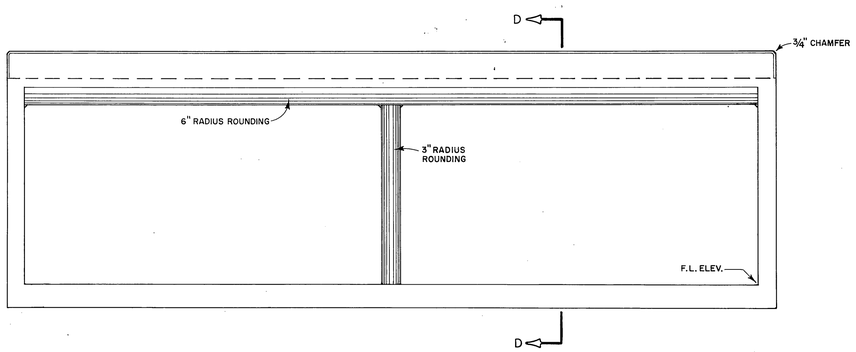
SECTION A-A

SCALE: 1" = 10'-0"



SECTION D-D

SCALE: 1" = 1'-0"



VIEW B-B

SCALE: ½" = 1'-0"

AS BUILT
PROJECT NO. 1-0-060

APPROVED: [signature] COUNTY ROAD COMMISSIONER
DATE: March 2, 1964

REFERENCE	DESCRIPTION	APPROVED	DATE
	NO CONSTRUCTION CHANGES	[signature]	11-23-66

— REVISIONS —

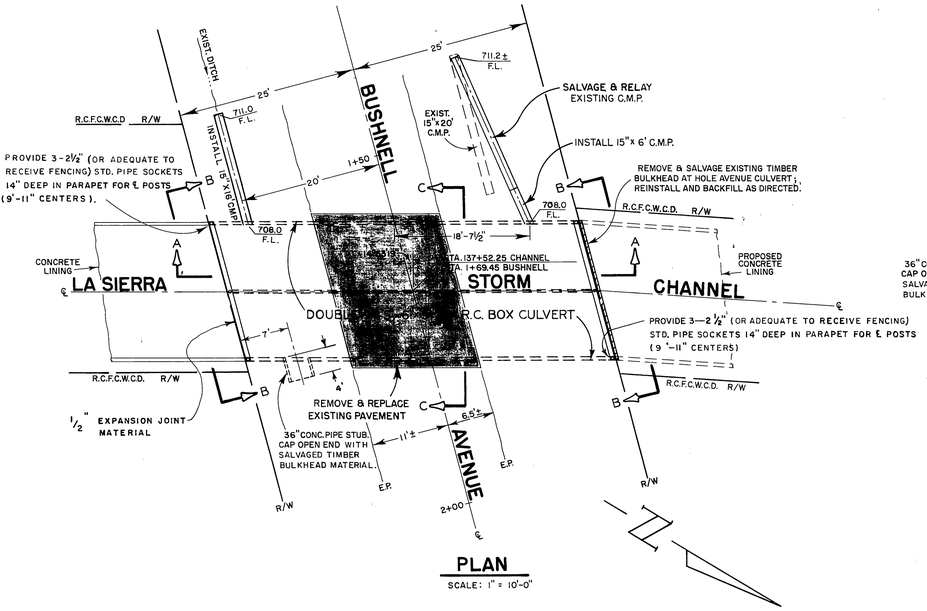
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DETAILS R.C. BOX CULVERT STA. 130+71.35

APPROVED: [signature] CHIEF ENGINEER R.E. NO. 8823	DRAWN BY: RIV. CO. ROAD DEPT.	SHEET No. 7
DATE: 11-9-64	CHECKED BY:	DR. No. 1-182
	DATE DRAWN:	

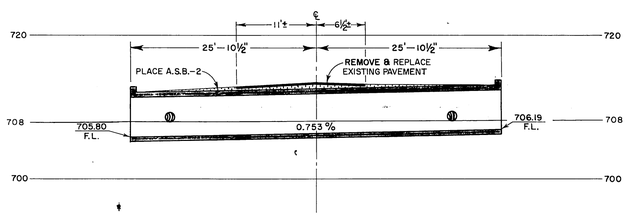
REVISED:

D-173D



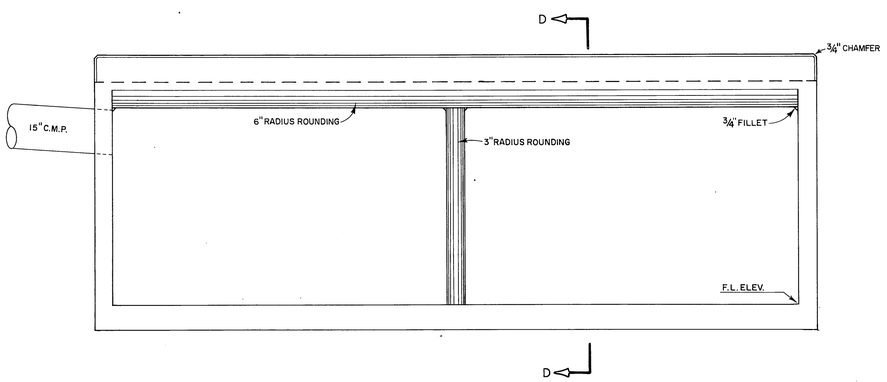
PLAN

SCALE: 1" = 10'-0"



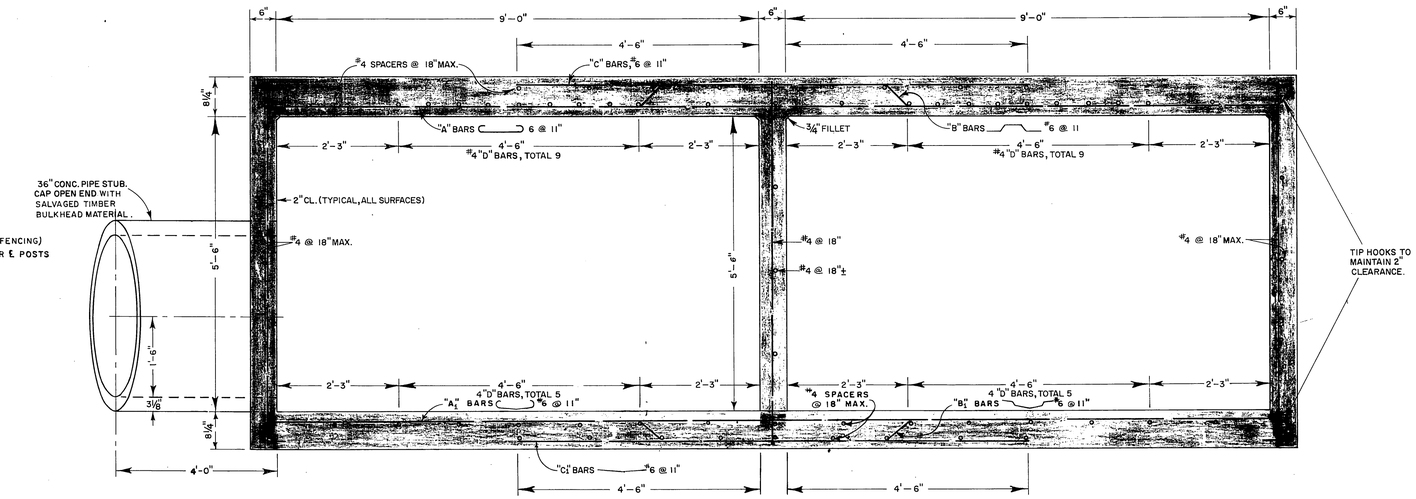
SECTION A—A

SCALE: 1" = 10'-0"



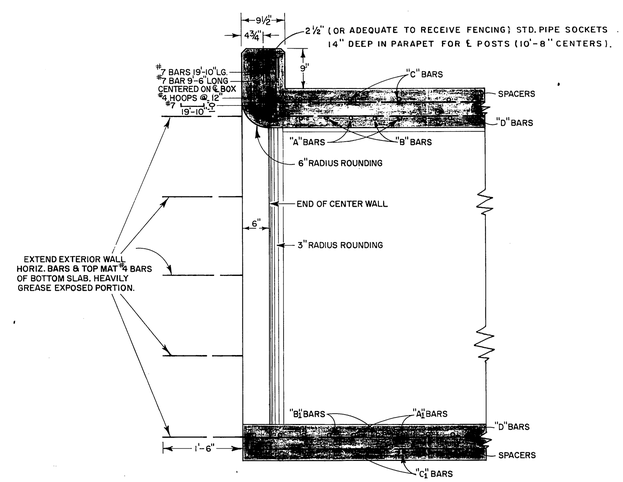
VIEW B—B

SCALE: ½" = 1'-0"



SECTION C—C

SCALE: ¾" = 1'-0"



SECTION D—D

SCALE: ¾" = 1'-0"

REFERENCE	DESCRIPTION	APPROVED	DATE
	NO CONSTRUCTION CHANGES		11-28-66

— REVISIONS —

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DETAILS
R.C. BOX CULVERT
STA. 137+52.25

SURVEY NO. 3418
FIELD BOOK NO. 913

AS BUILT
PROJECT NO. 1-0-060

APPROVED: C. O. Keith COUNTY ROAD COMMISSIONER
DATE: March 2, 1964

REVISED:
APPROVED: Chas. H. Bryant CHIEF ENGINEER R.E. NO. 8822
DATE: 11-9-64
DRAWN BY: RIV. COUNTY ROAD DEPT.
CHECKED BY:
DATE DRAWN:
SHEET NO. 8
DR. NO. 1-182

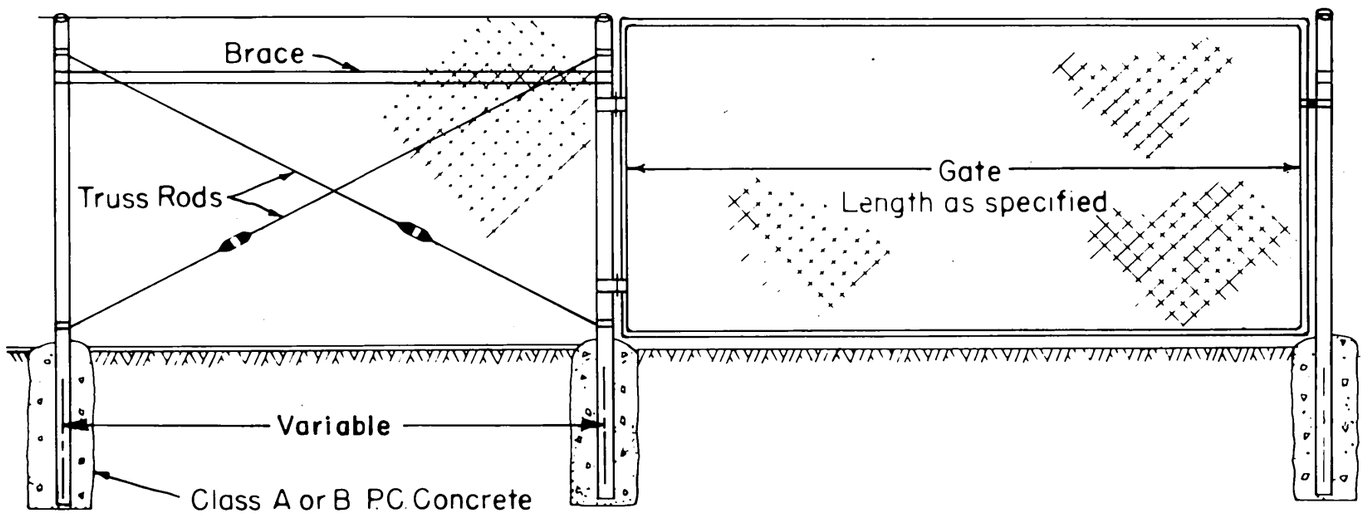
D-173D

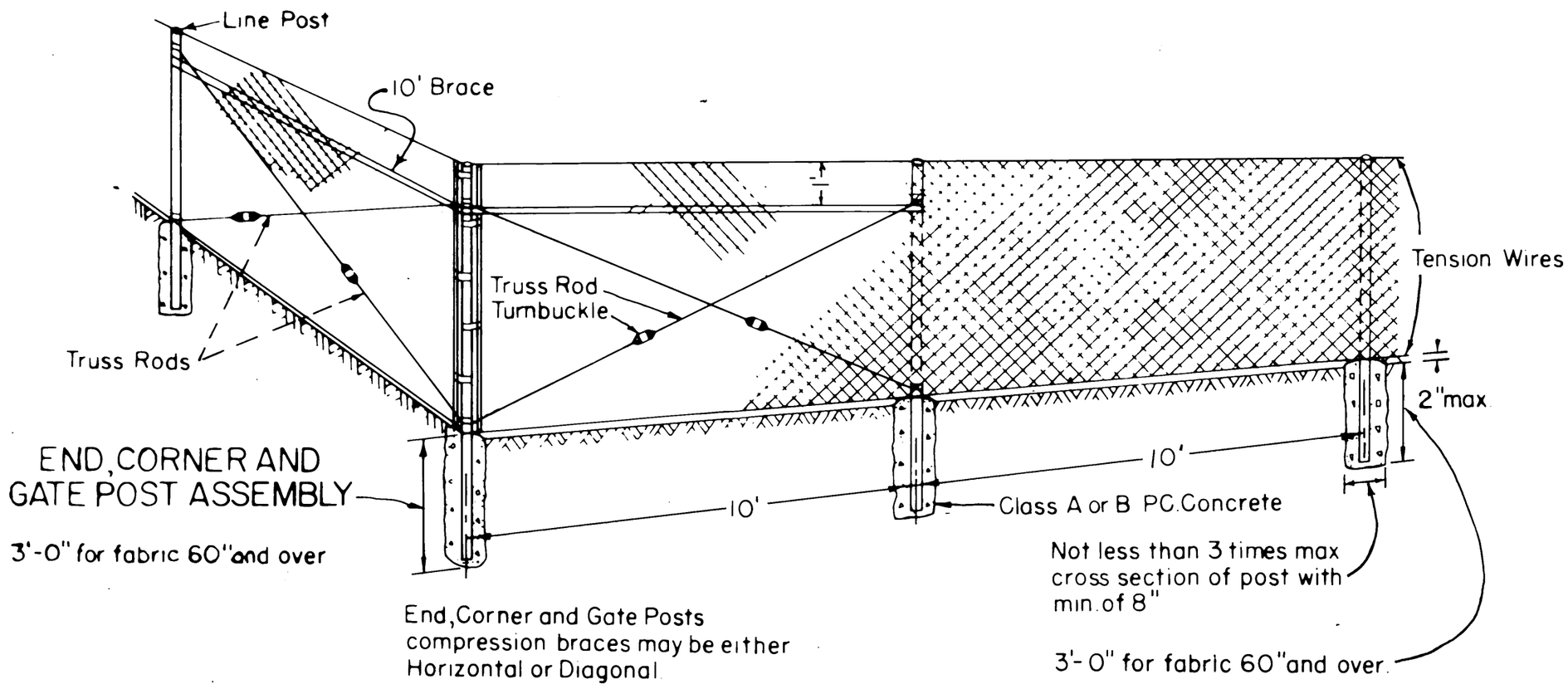
MISSING SHEET

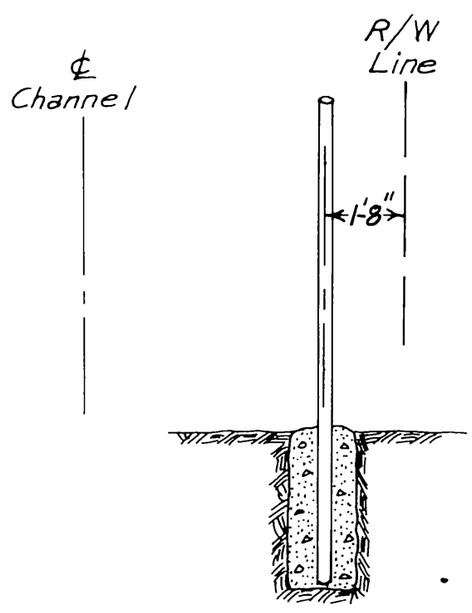
MISSING SHEET

MISSING SHEET

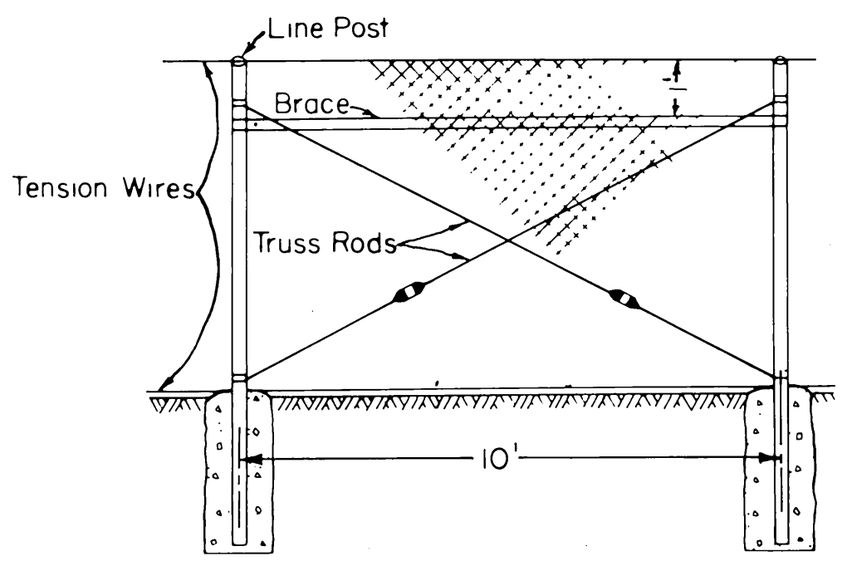
MISSING SHEET



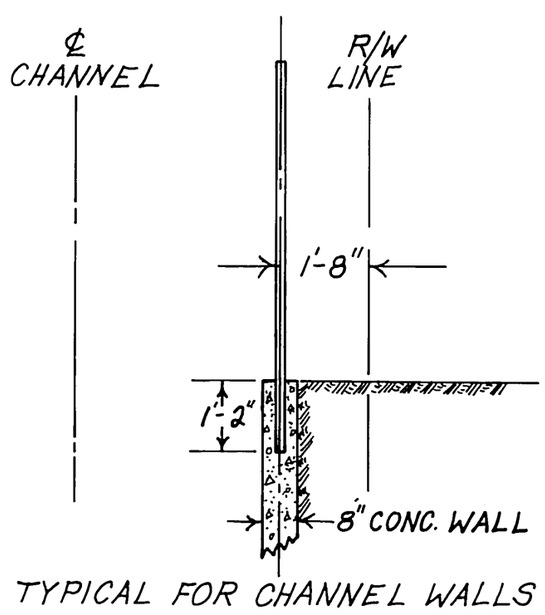




TYPICAL FOR WELLS AVE.
MAINTENANCE RAMP APPROACH



Line posts at 1,000' **maximum intervals**
braced and trussed in **both** directions.



TYPICAL FOR CHANNEL WALLS

REVISED DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		
	CHAIN LINK FENCE Type CL-6 = 72" fabric		
	APPROVED: John W. Bryant CHIEF ENGINEER R.E. NO. 8822 DATE: 11-10-64	DRAWN: R. DAVIS TRACED: CHECKED: DATE DRAWN: NOV. 1964	SHEET NO. 13 of 13 DWG. NO. 1-182

D-173D