VICTORIA AVE. STORM DRAIN

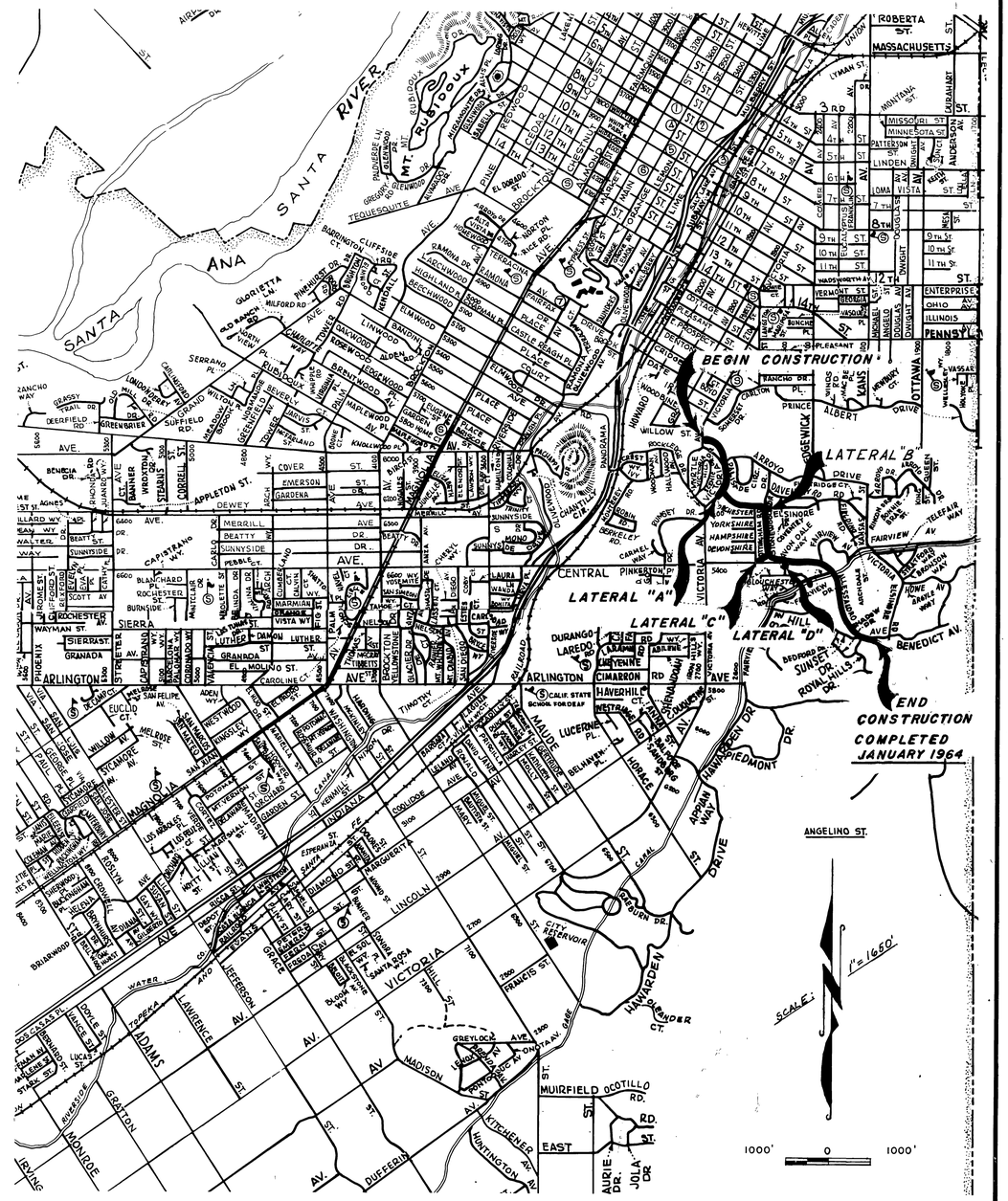
CONSTRUCTION DRAWINGS

BY

RIVERSIDE COUNTY FLOOD CONTROL

AND

WATER CONSERVATION DISTRICT



PROJECT NO. 1-0-160

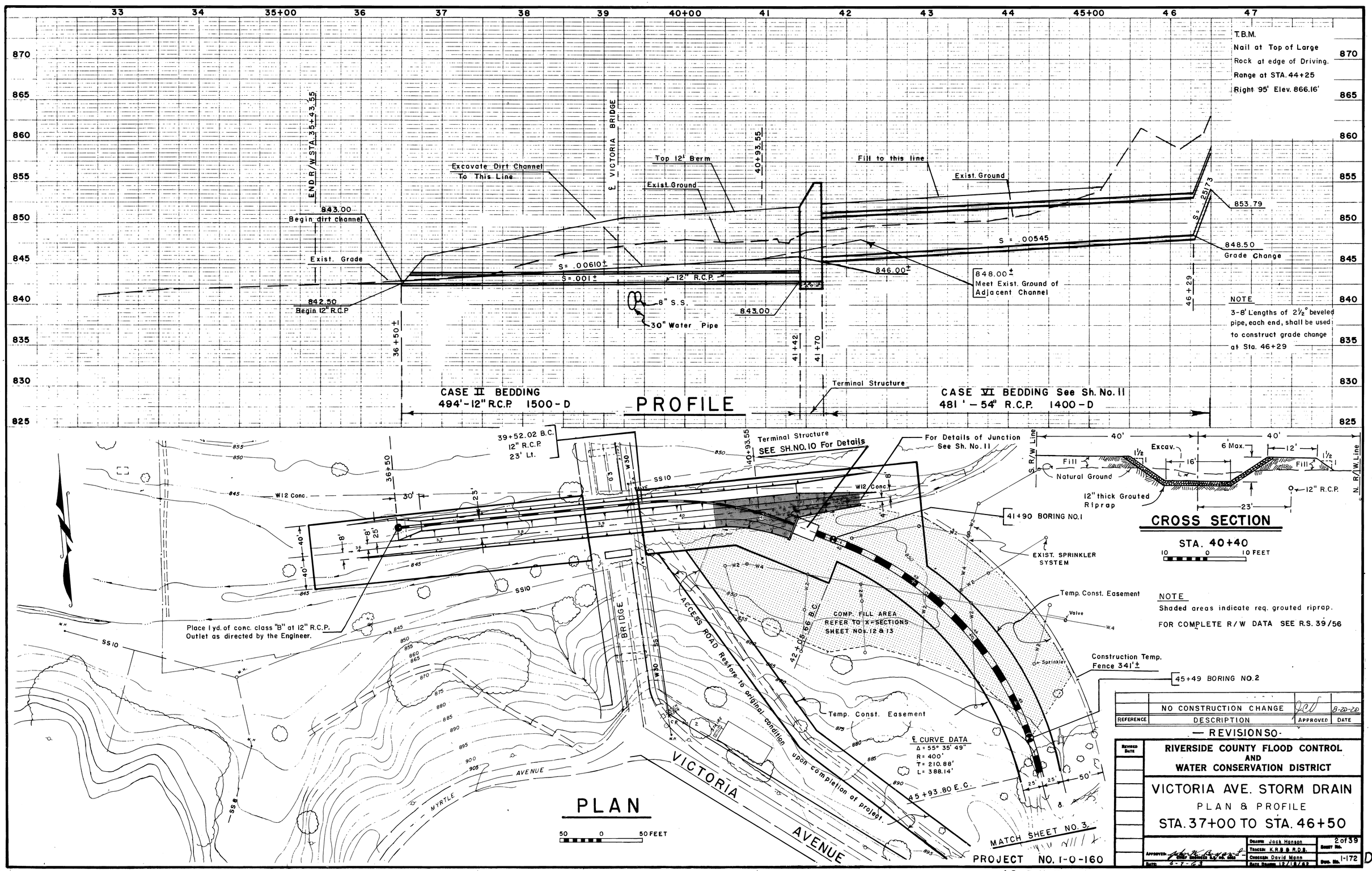
Revised Date	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
	VICTORIA AVENUE STORM DRAIN COVER SHEET

No-Joint Pipe Used Except In Short Curves. R.C.P.

AS BUILT

Approved John W. Bryant, Chief Engineer R.C. No. 8822	Drawn Jack Hanson	Sheet No 1 of 39
	Traced K.R.B. & R.D.S.	
	Checked David Mann	Dwg No 1-172
Date 6-7-63	Date Drawn 12/20/62	

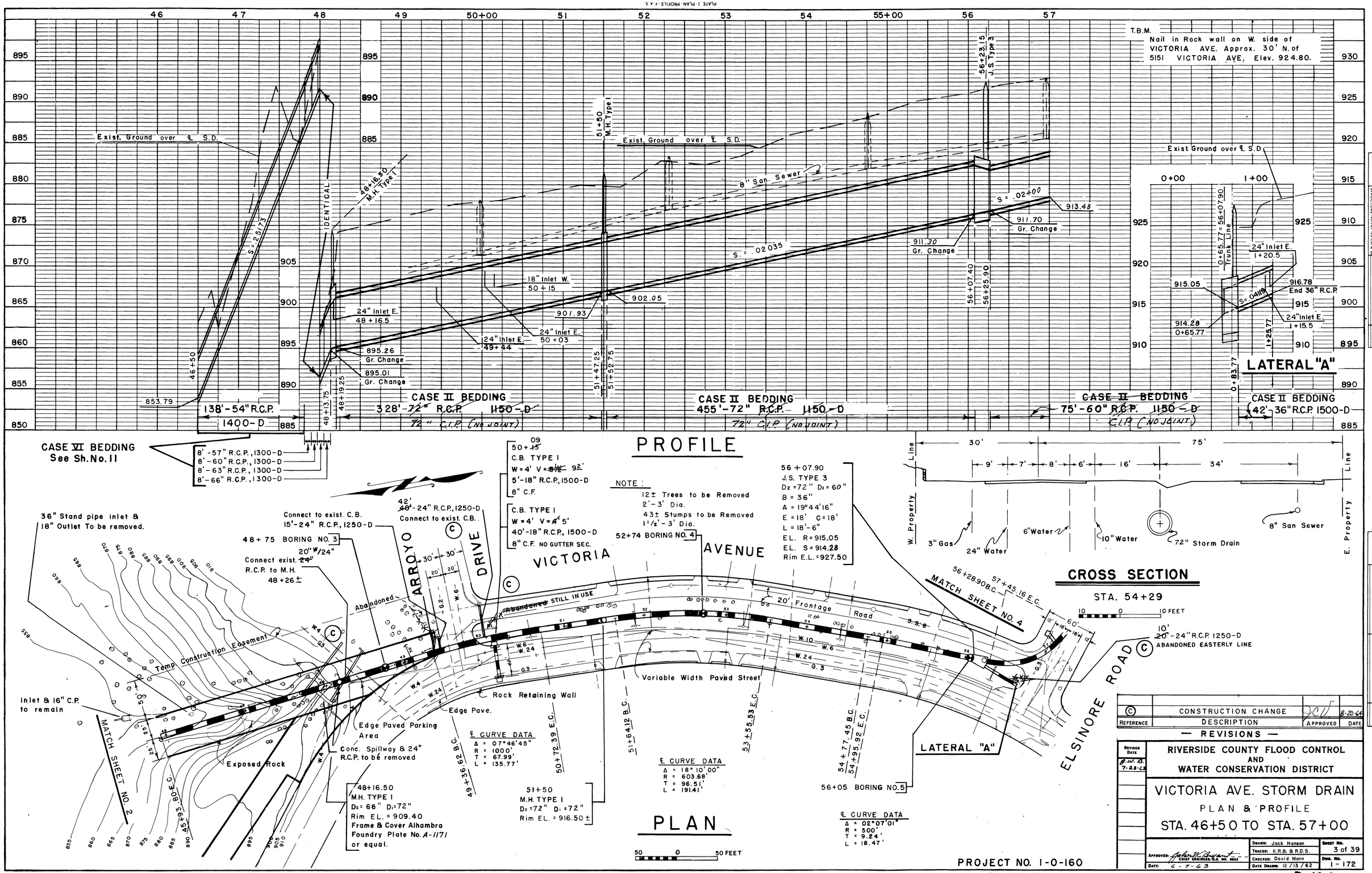
D-124



T.B.M.
Nail at Top of Large Rock at edge of Driving.
Range at STA. 44+25
Right 95' Elev. 866.16'
END R/W STA. 35+43.55
℄ VICTORIA BRIDGE
Excavate Dirt Channel To This Line
Top 12' Berm
Exist. Ground
Fill to this line
Exist. Ground
843.00 Begin dirt channel
Exist. Grade
842.50 Begin 12" R.C.P.
S = .00610±
S = .001±
12" R.C.P.
8" S.S.
30" Water Pipe
843.00
846.00±
S = .00545
848.00± Meet Exist. Ground of Adjacent Channel
853.79
848.50 Grade Change
S = .25173
NOTE
3-8' Lengths of 2½° beveled pipe, each end, shall be used to construct grade change at Sta. 46+29
CASE II BEDDING
494'-12" R.C.P. 1500-D
PROFILE
Terminal Structure
CASE VI BEDDING See Sh. No. 11
481'-54" R.C.P. 1400-D
39+52.02 B.C.
12" R.C.P.
23' Lt.
Terminal Structure
SEE SH. NO. 10 For Details
For Details of Junction See Sh. No. 11
W12 Conc.
41+90 BORING NO. 1
EXIST. SPRINKLER SYSTEM
Temp. Const. Easement
COMP. FILL AREA REFER TO X-SECTIONS SHEET NOs. 12 & 13
Place 1 yd. of conc. class "B" at 12" R.C.P. Outlet as directed by the Engineer.
ACCESS ROAD Restore to original condition upon completion of project.
Construction Temp. Fence 341'±
45+49 BORING NO. 2
Temp. Const. Easement
℄ CURVE DATA
Δ = 55° 35' 49"
R = 400'
T = 210.88'
L = 388.14'
45+93.80 E.C.
VICTORIA AVENUE
MYRTLE AVENUE
BRIDGE
PLAN
50 0 50 FEET
MATCH SHEET NO. 3
CROSS SECTION
STA. 40+40
10 0 10 FEET
S. R/W Line
N. R/W Line
Excav.
Fill
Natural Ground
12" thick Grouted Riprap
12" R.C.P.
NOTE
Shaded areas indicate req. grouted riprap.
FOR COMPLETE R/W DATA SEE R.S. 39/56
NO CONSTRUCTION CHANGE
REFERENCE
DESCRIPTION
APPROVED
DATE
8-20-20
— REVISIONS —
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
VICTORIA AVE. STORM DRAIN
PLAN & PROFILE
STA. 37+00 TO STA. 46+50
DRAWN Jack Hanson
TRACED K.R.B & R.D.S.
CHECKED David Mann
DATE DRAWN 12/18/62
SHEET No. 2 of 39
DWG. No. 1-172
PROJECT NO. 1-0-160
AS BUILT

D-124

PLATE 1. PLAN. PROFILE. F.A.S.
CLEARPRINT PAPER CO. S.F. CAL.
NO. 1000M-1



PROJECT NO. 1-0-160
AS BUILT

REFERENCE	DESCRIPTION	APPROVED	DATE
©	CONSTRUCTION CHANGE		8-20-63

— REVISIONS —

REVISED DATE: 8.W.B. 7-23-63

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

VICTORIA AVE. STORM DRAIN
PLAN & PROFILE
STA. 46+50 TO STA. 57+00

APPROVED: Arthur W. Barnett, CHIEF ENGINEER, R.E. NO. 5053
DATE: 6-7-63

DRAWN: Jack Hanson
TRACED: K.R.B. & R.D.S.
CHECKED: David Mann
DATE DRAWN: 12/13/62

SHEET No. 3 of 39
DWG. No. 1-172

D-124

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. & NOTES CHECKED
STRUCTURE NOTATIONS CHECKED
BY Quality, Wert, Lunde
DATE 8/8/62 8/8/62

PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
R/W & OTHER CHECKED
BY Quality, Wert, Lunde, Bill Young, Paul Lee
DATE 8/8/62 8/8/62

PLATE 1-PLAN-PROFILE-F.A.S.
CLEARPRINT PAPER CO., S.F. CAL.
NO. 1000H-1

PROFILE		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED	Joe Qualls	4/11/62
	GRADES CHECKED	J. L. Hanson	10/24/62
	B. M.'s NOTED		
	STRUCTURE NOTAT'NS CHK'D		

PLAN		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED	Joe Qualls	4/11/62
	ALIGNMENT CHECKED	Bill Young, Photo Lab	10/24/62
	RT. OF WAY CHECKED		

REFERENCE	DESCRIPTION	APPROVED	DATE
(C)	CONSTRUCTION CHANGE	JCW	8-20-64

— REVISIONS —

Revised Date: JW.B. 7-23-63

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

VICTORIA AVE. STORM DRAIN

PLAN & PROFILE

STA. 57+00 TO STA. 69+00

Approved: John W. Bryant, Chief Engineer R.E. No. 6062
Date: 6-7-63

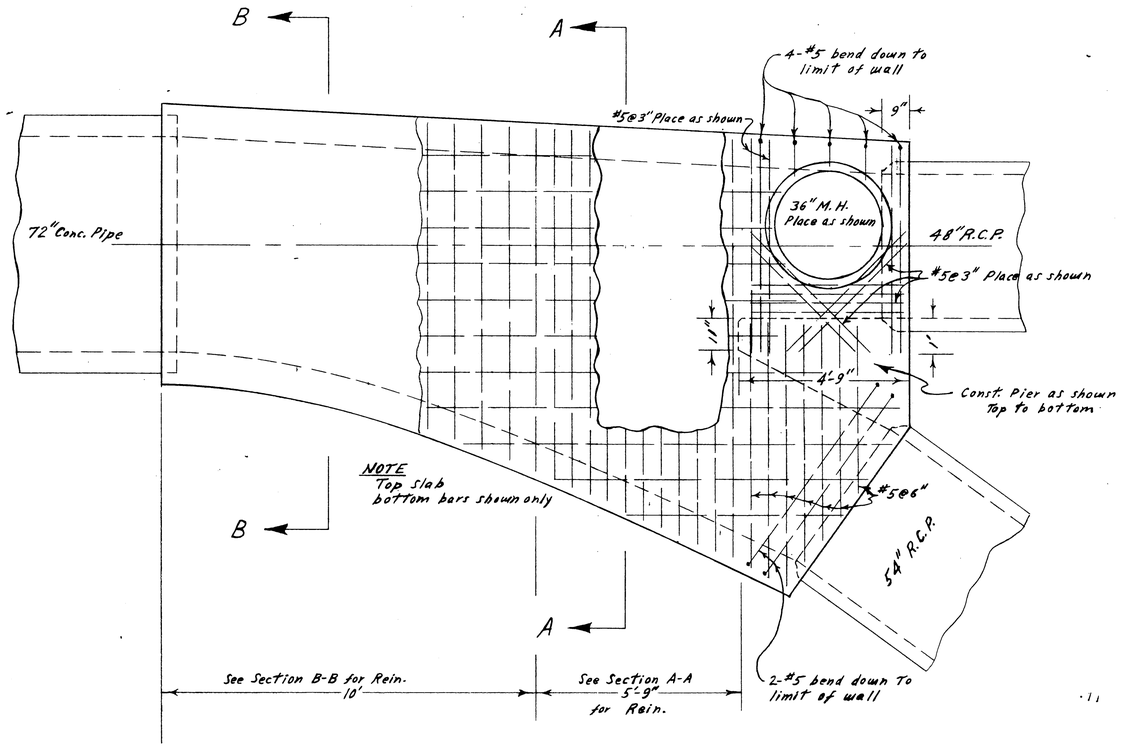
Drawn: Jack Hanson
Traced: K.R.B. & R.D.S.
Checked: David Mann
Date Drawn: 12/12/62

Sheet No. 4 of 39
Dwg. No. 1-172

PROJECT NO. 1-0-160

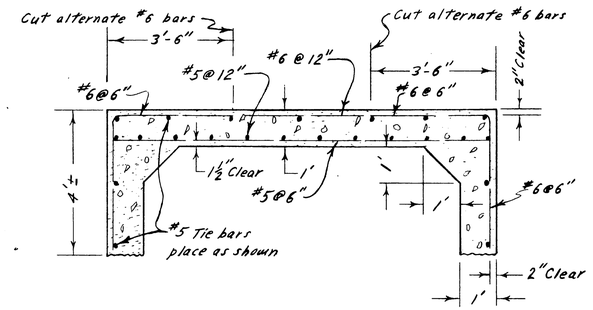
AS BUILT

D-124



PLAN

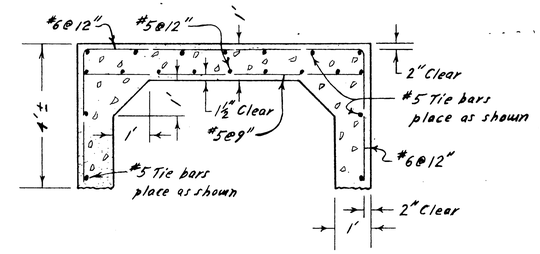
SCALE: 2'=1"



SECTION A-A

Top only

Exist. invert portion not shown



SECTION B-B

Top only

Exist. invert portion not shown

SCALE: 2'=1"

NOTE

Bottom of Top slab shall line up with pipe soffits. Slab shall in no way obstruct pipe openings.

REFERENCE	DESCRIPTION	APPROVED	DATE
	NO CONSTRUCTION CHANGE	JCL	9-14-64

— REVISIONS —

REVISED DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

VICTORIA AVE. STORM DRAIN

JUNCTION STRUCTURE AT ELSINORE RD. & STONEWOOD DRIVE.

APPROVED: John W. Bryant, CHIEF ENGINEER R.E. NO. 8022

DATE: 9-21-64

DRAWN: J.L. HANSON

TRACED: " "

CHECKED:

DATE DRAWN:

SHEET No. 4A

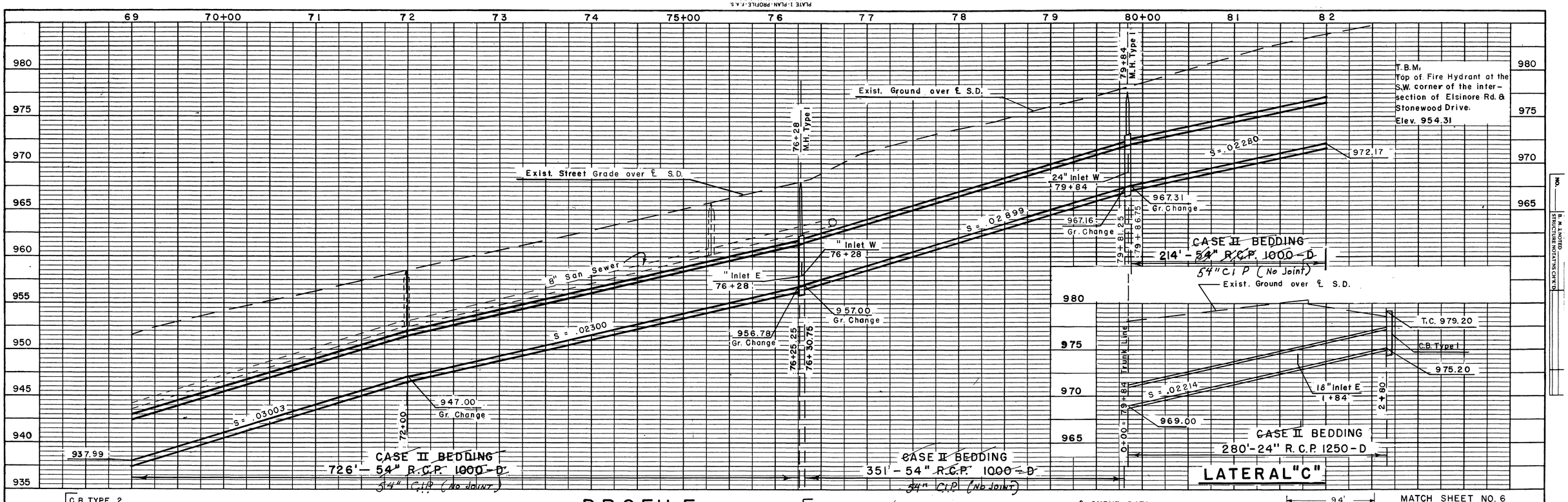
DWG. No. 1-172

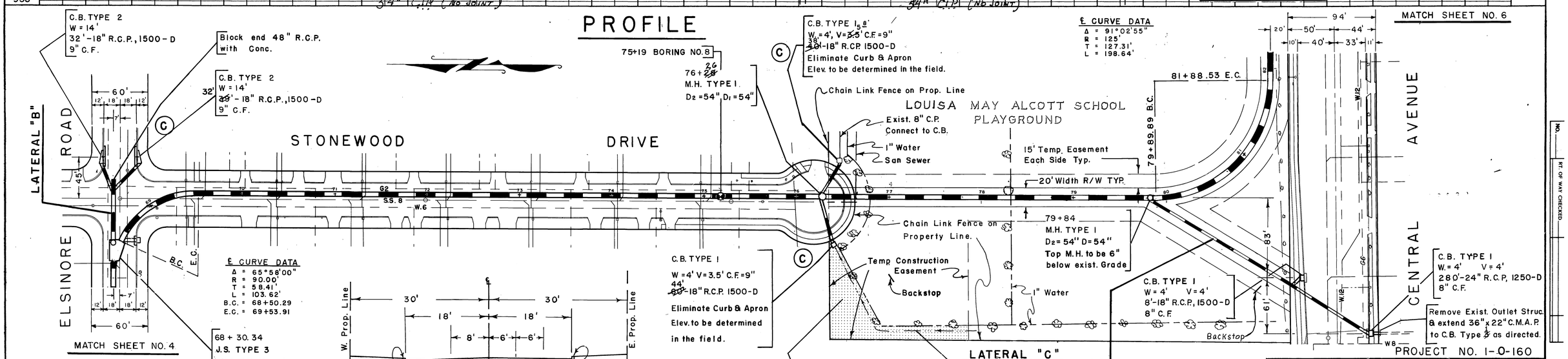
PROJECT NO. 1-0-160

AS BUILT

D 124

PLATE 1. PLAN, PROFILE, F.A.S.
CLEARPRINT PAPER CO., S.F. CAL.
NO. 1000H-1





REFERENCE	DESCRIPTION	APPROVED	DATE
C	CONSTRUCTION CHANGE		8-20-64

— REVISIONS —

AS BUILT

REVISED DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

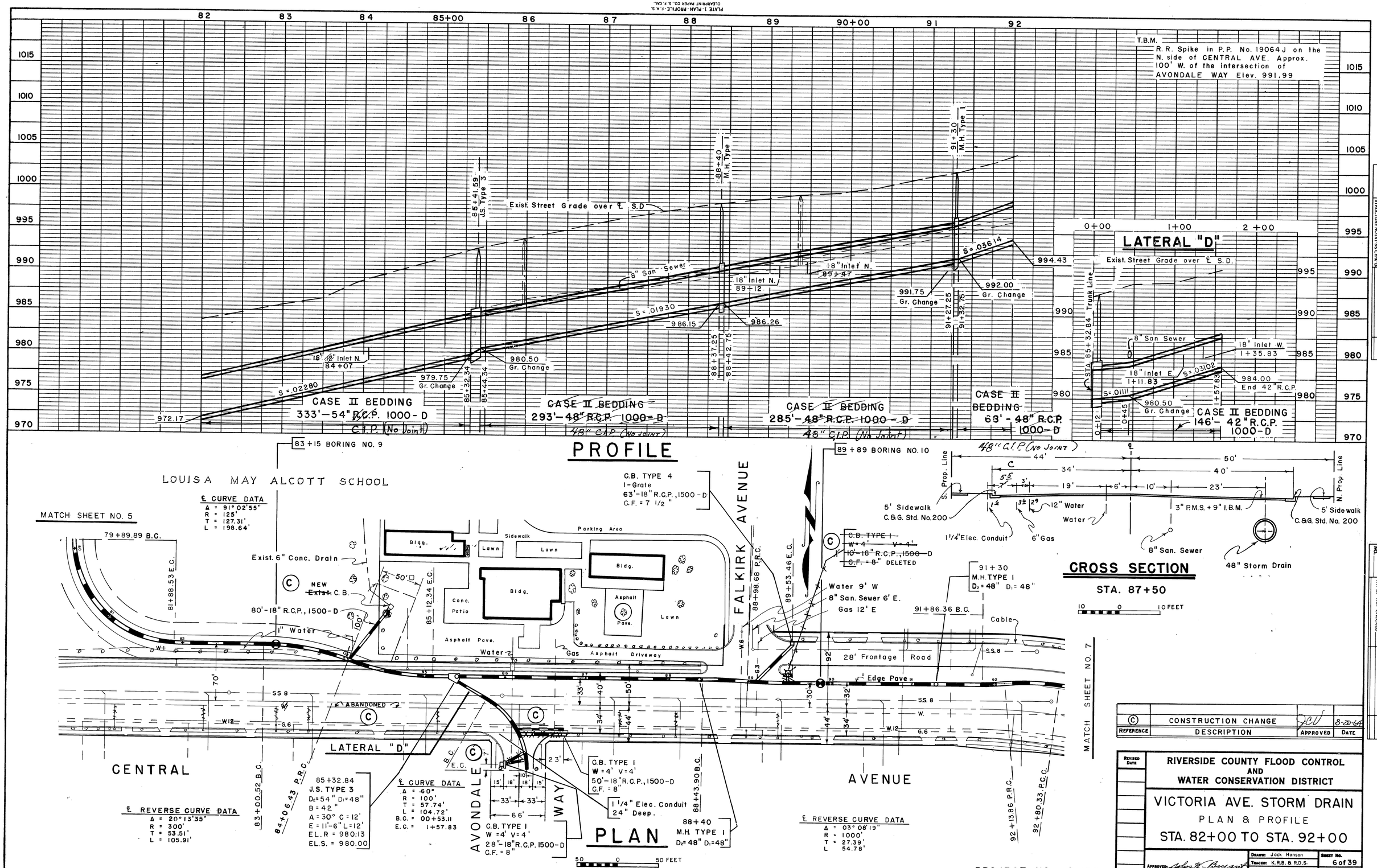
VICTORIA AVE. STORM DRAIN

PLAN & PROFILE

STA. 69+00 TO STA. 82+00

APPROVED: John W. Bryant, CHIEF ENGINEER & R.E. NO. 6626	DRAWN: Jack Hanson	SHEET No. 5 of 39
	TRACED: K.R.B. & R.D.S.	
	CHECKED: David Mann	DWG. No. 1-172
DATE: 6-7-63	DATE DRAWN: 12/11/62	

D-124



REFERENCE	DESCRIPTION	APPROVED	DATE
C	CONSTRUCTION CHANGE	JCV	8-20-64

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

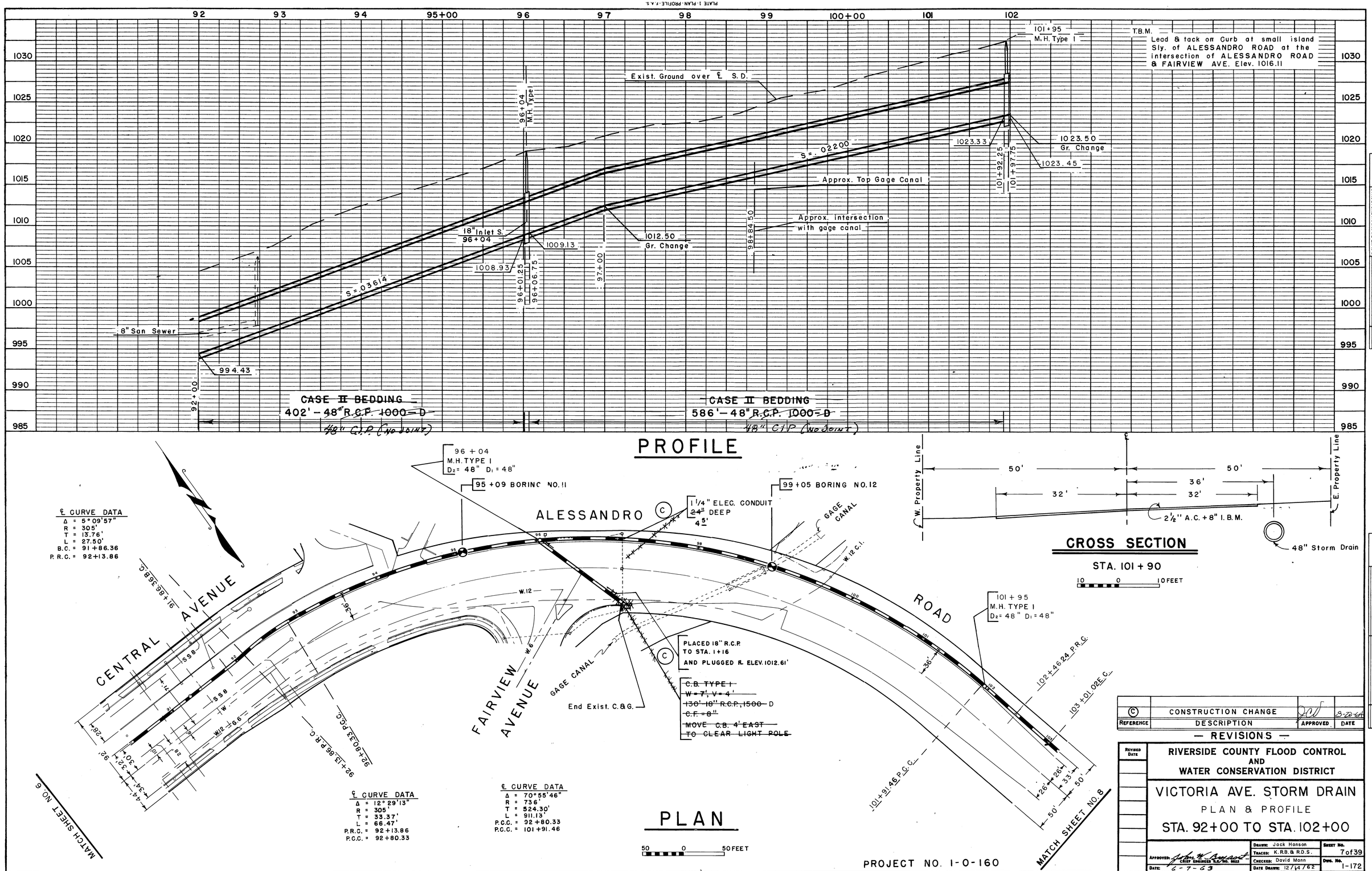
VICTORIA AVE. STORM DRAIN

PLAN & PROFILE

STA. 82+00 TO STA. 92+00

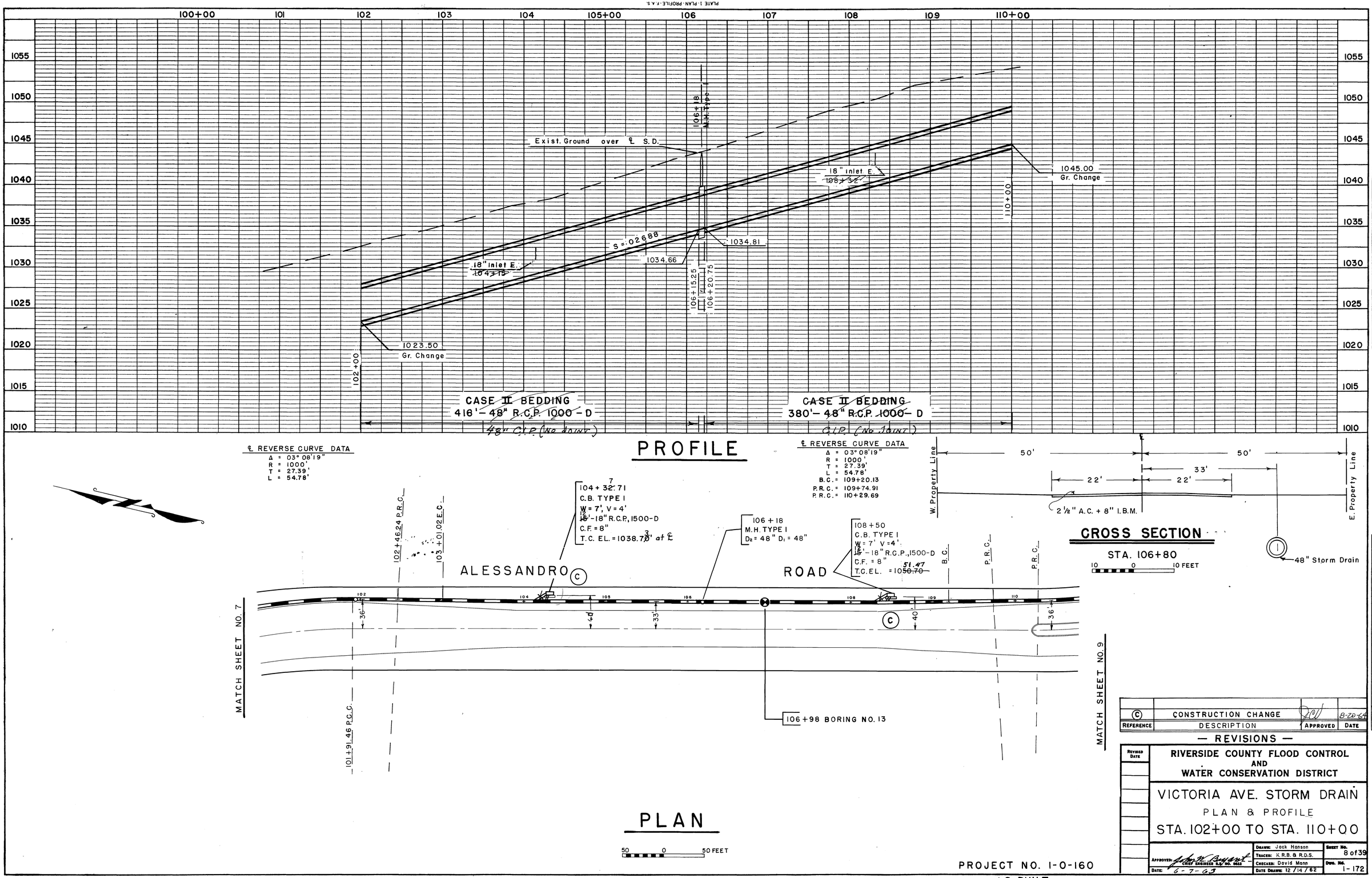
APPROVED: John W. Bryant, CHIEF ENGINEER R.E. NO. 8022
DATE: 6-7-63
DRAWN: Jack Hanson
TRACED: K.R.B. & R.D.S.
CHECKED: David Mann
DATE DRAWN: 12/10/62
SHEET NO. 6 of 39
DWG. NO. 1-172

D-124



PROFILE
Exist. Ground over ℄ S.D.
101+95 M.H. Type I
T.B.M. Lead & tack on Curb at small island Sly. of ALESSANDRO ROAD at the intersection of ALESSANDRO ROAD & FAIRVIEW AVE. Elev. 1016.11
96+04 M.H. Type I
S = .02200
1023.33
1023.50 Gr. Change
1023.45
101+92.25
101+97.75
Approx. Top Gage Canal
Approx. intersection with gage canal
98+84.50
18" Inlet S. 96+04
1009.13
1012.50 Gr. Change
1008.93
96+01.25
96+06.75
97+00
S = .03614
8" San Sewer
994.43
92+00
CASE II BEDDING 402'-48" R.C.P. 1000-D
48" C.I.P. (NO JOINT)
CASE II BEDDING 586'-48" R.C.P. 1000-D
48" C.I.P. (NO JOINT)
PLAN
96+04 M.H. TYPE I D2 = 48" D1 = 48"
95+09 BORING NO. 11
99+05 BORING NO. 12
1 1/4" ELEC. CONDUIT 24" DEEP 4.5'
ALESSANDRO ROAD
GAGE CANAL
W.12 C.I.
℄ CURVE DATA
Δ = 5°09'57"
R = 305'
T = 13.76'
L = 27.50'
B.C. = 91+86.36
P.R.C. = 92+13.86
91+86.36 B.C.
CENTRAL AVENUE
FAIRVIEW AVENUE
W.12
W.6
GAGE CANAL
End Exist. C.&G.
PLACED 18" R.C.P. TO STA. 1+16 AND PLUGGED ℞ ELEV. 1012.61'
C.B. TYPE I W = 7', V = 4' 130' 18" R.C.P., 1500 D C.F. = 8" MOVE C.B. 4' EAST TO CLEAR LIGHT POLE
101+95 M.H. TYPE I D2 = 48" D1 = 48"
102+46.24 P.R.C.
103+01.02 E.C.
101+91.46 P.C.C.
92+13.86 P.R.C.
92+80.33 P.C.C.
℄ CURVE DATA
Δ = 12°29'13"
R = 305'
T = 33.37'
L = 66.47'
P.R.C. = 92+13.86
P.C.C. = 92+80.33
℄ CURVE DATA
Δ = 70°55'46"
R = 736'
T = 524.30'
L = 911.13'
P.C.C. = 92+80.33
P.C.C. = 101+91.46
MATCH SHEET NO. 6
MATCH SHEET NO. 8
50 0 50 FEET
CROSS SECTION
STA. 101+90
W. Property Line
E. Property Line
50'
50'
36'
32'
32'
2 1/2" A.C. + 8" I.B.M.
48" Storm Drain
10 0 10 FEET
PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. & NOTED
STRUCTURE NOTATNS CH'K'D
BY Quails, Wm. F. Lunde J. L. Hanson
DATE 3/1/62 11/16/62
PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY Quails, Wm. F. Lunde Bill Young Photo Lab.
DATE 3/1/62 11/14/62
© CONSTRUCTION CHANGE
REFERENCE DESCRIPTION APPROVED DATE
— REVISIONS —
REVISED DATE
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
VICTORIA AVE. STORM DRAIN
PLAN & PROFILE
STA. 92+00 TO STA. 102+00
APPROVED: John W. Bryant CHIEF ENGINEER R.E. NO. 5622
DATE: 6-7-63
DRAWN: Jack Hanson
TRACED: K.R.B. & R.D.S.
CHECKED: David Mann
DATE DRAWN: 12/14/62
SHEET NO. 7 of 39
DWG. NO. 1-172
PROJECT NO. 1-0-160
AS BUILT
D-124

PLATE 1.-PLAN-PROFILE-F.A.S.
CLEARPRINT PAPER CO., S.F., CALI.
NO. 1000H-1



C	CONSTRUCTION CHANGE		8-20-64
REFERENCE	DESCRIPTION	APPROVED	DATE

— REVISIONS —

REVISED DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

VICTORIA AVE. STORM DRAIN

PLAN & PROFILE

STA. 102+00 TO STA. 110+00

APPROVED: John W. Bryant, CHIEF ENGINEER R.E. NO. 0653	DRAWN: Jack Hanson	SHEET NO. 8 of 39
DATE: 6-7-63	TRACED: K.R.B. & R.D.S.	
	CHECKED: David Mann	DWG. NO. 1-172
	DATE DRAWN: 12/14/62	

PROJECT NO. 1-0-160

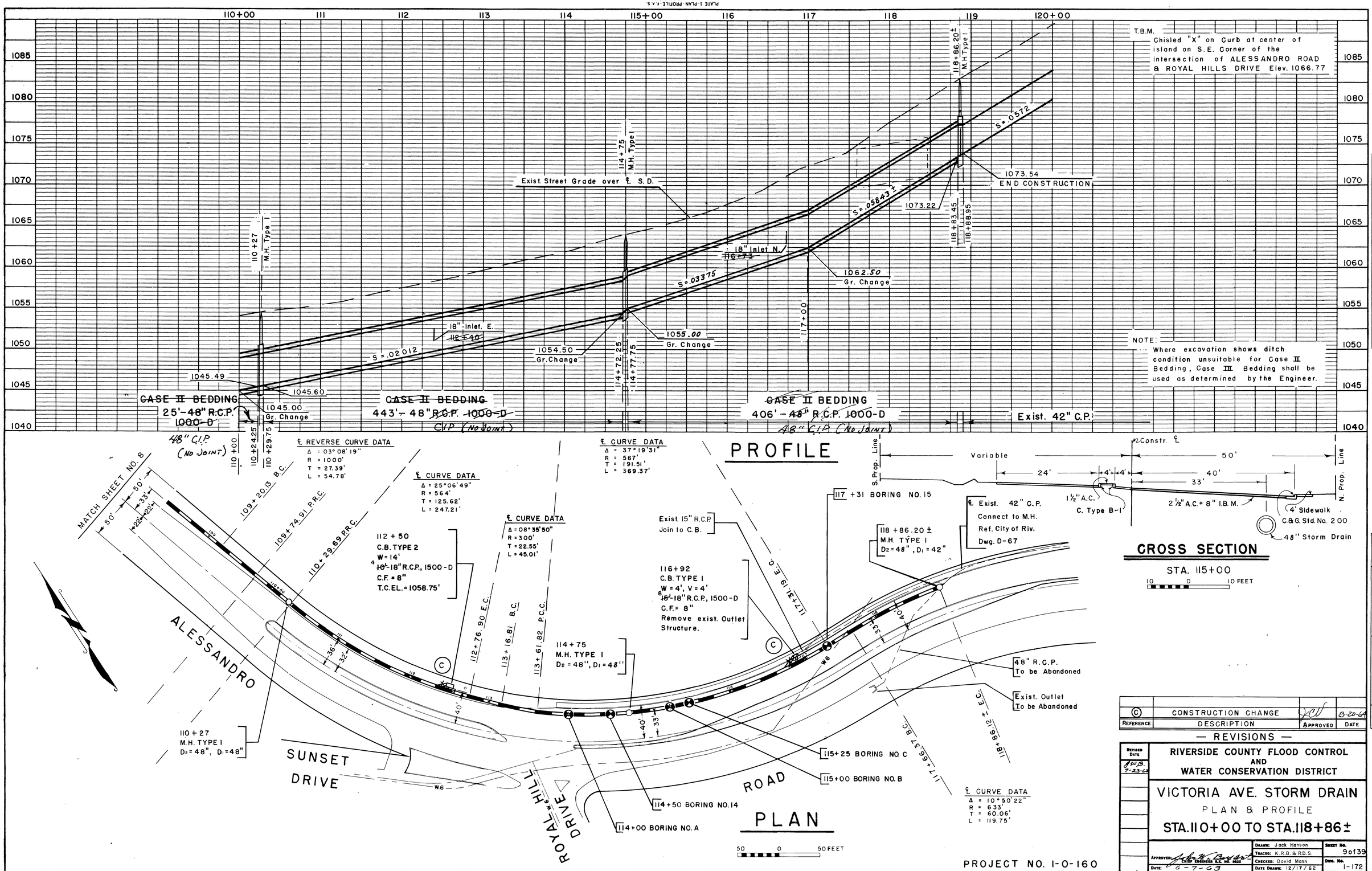
AS BUILT

PROFILE		
NOTE BOOK NO.	SURVEYED	
	PLOTTED	
	GRADES COMPUTED	
	B.M. & NOTED	
	STRUCTURE NOTATIONS CHK'D	
	BY: Quality Work Lands, J.L. Hanson	DATE: 3/1/62, 11/16/62

PLAN		
NOTE BOOK NO.	SURVEYED	
	PLOTTED	
	ALIGNMENT CHECKED	
	AT OF MAT CHECKED	
	BY: Quality Work Lands, Bill Young, Blake, A.A.A.	DATE: 3/1/62, 11/16/62

D-124

PLATE 1: PLAN-PROFILE-F.A.S.
CLEARPRINT PAPER CO. S.F. CAL.
NO. 1000H-1



PROFILE			
NO.	NOTE BOOK	SURVEYED	
		PLOTTED	
		GRADES CHECKED	
		ALIGNMENT CHECKED	
		STRUCTURE NOTATIONS CHK'D	
		BY	Quality, Vance & Lunde
		DATE	3-7-64
			11-16-62

PLAN			
NO.	NOTE BOOK	SURVEYED	
		PLOTTED	
		ALIGNMENT CHECKED	
		RT. OF WAY CHECKED	
		BY	Quality, Vance & Lunde
		DATE	3-7-64
			11-16-62

REFERENCE	DESCRIPTION	APPROVED	DATE
C	CONSTRUCTION CHANGE	JCV	8-20-64

— REVISIONS —

REVISED DATE
JWB 7-23-63

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

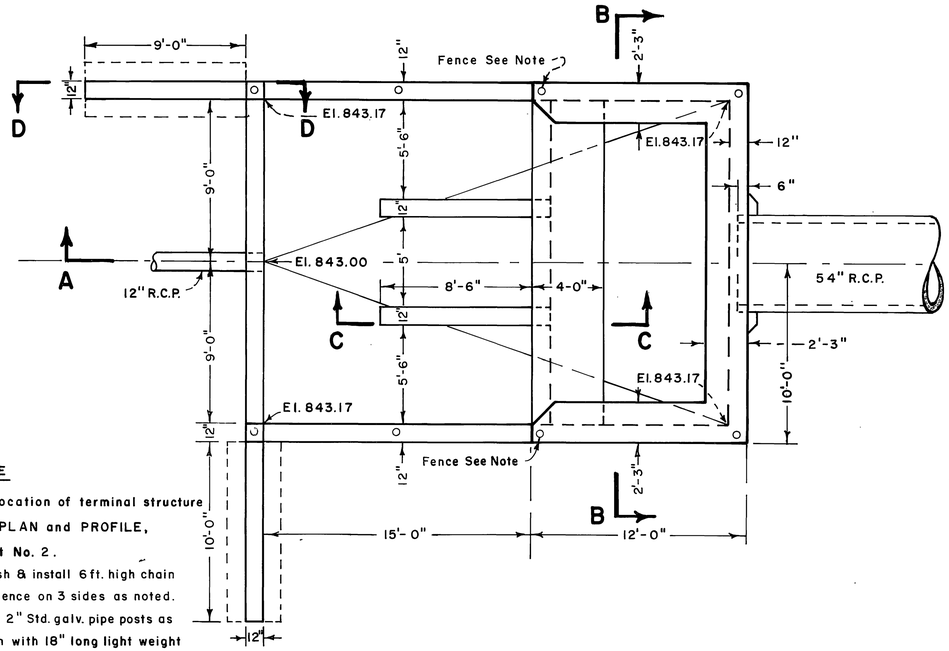
VICTORIA AVE. STORM DRAIN

PLAN & PROFILE

STA. 110+00 TO STA. 118+86±

APPROVED: Chief Engineer R.E. No. 9862	DRAWN: Jack Hanson	SHEET No. 9 of 39
	TRACED: K.R.B. & R.D.S.	
	CHECKED: David Mann	DWG. No. 1-172
DATE: 6-7-63	DATE DRAWN: 12/17/62	

D-124



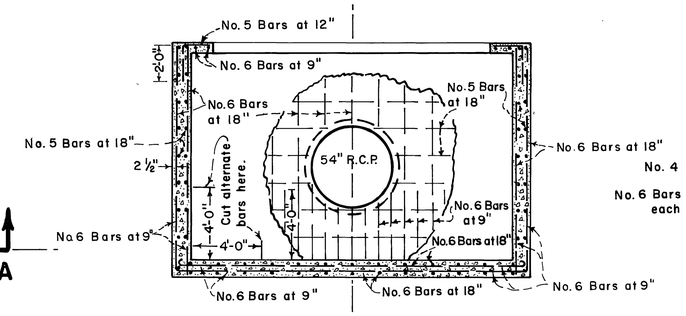
NOTE

For location of terminal structure see PLAN and PROFILE, Sheet No. 2.

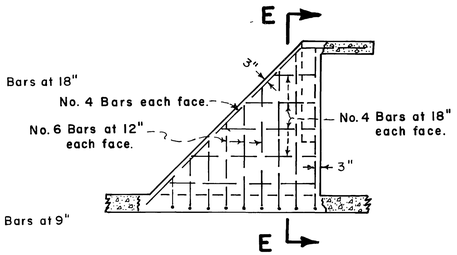
Furnish & install 6 ft. high chain link fence on 3 sides as noted. Place 2" Std. galv. pipe posts as shown with 18" long light weight metal inserts.

Fence to be 11 gage, 1¾" mesh, galv. after weaving.

PLAN

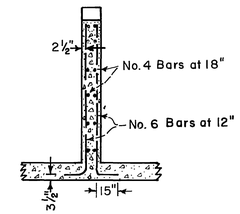


SECTION B-B

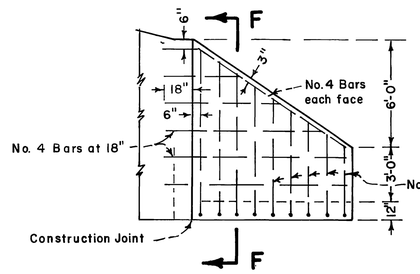


SECTION C-C

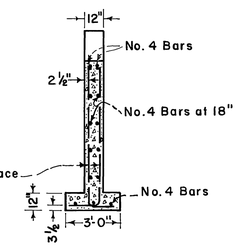
(Showing counterfort steel only)



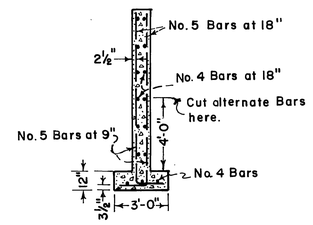
SECTION E-E



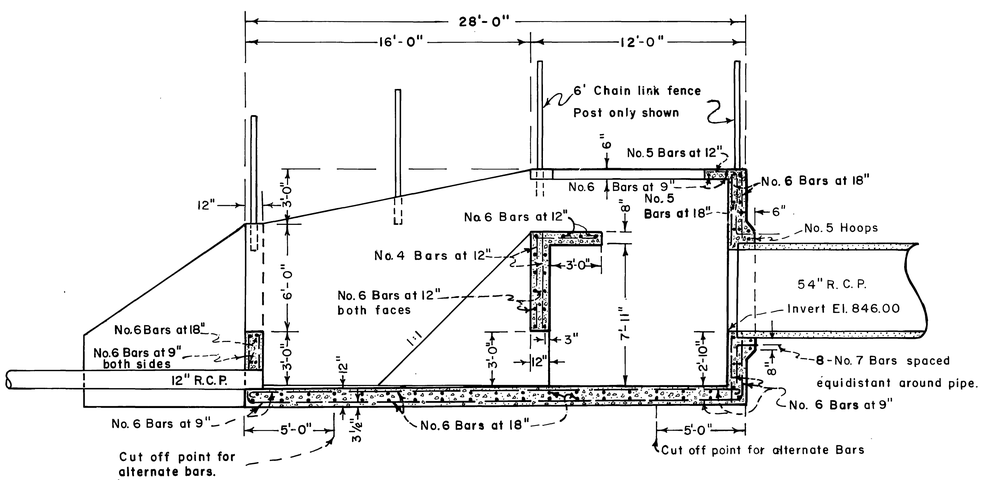
SECTION D-D



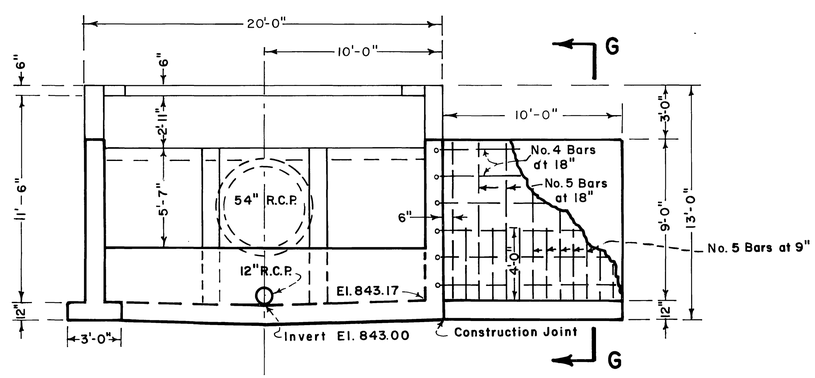
SECTION F-F



SECTION G-G



SECTION A-A



END ELEVATION

TYPICAL SCALE

1 0 5 10 FEET

Reference	Description	Approved	Date
	NO CONSTRUCTION CHANGE		8-20-64

— REVISIONS —

Revised Date

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

VICTORIA AVE. STORM DRAIN
TERMINAL STRUCTURE
PLAN & SECTIONS

Approved: John W. Bullock, Chief Engineer R.E. No. 8022
Date: 6-7-63

Drawn: J.H. & J.K.F.
Traced: Art Bilodeau
Checked:
Date Drawn: MAY 1963

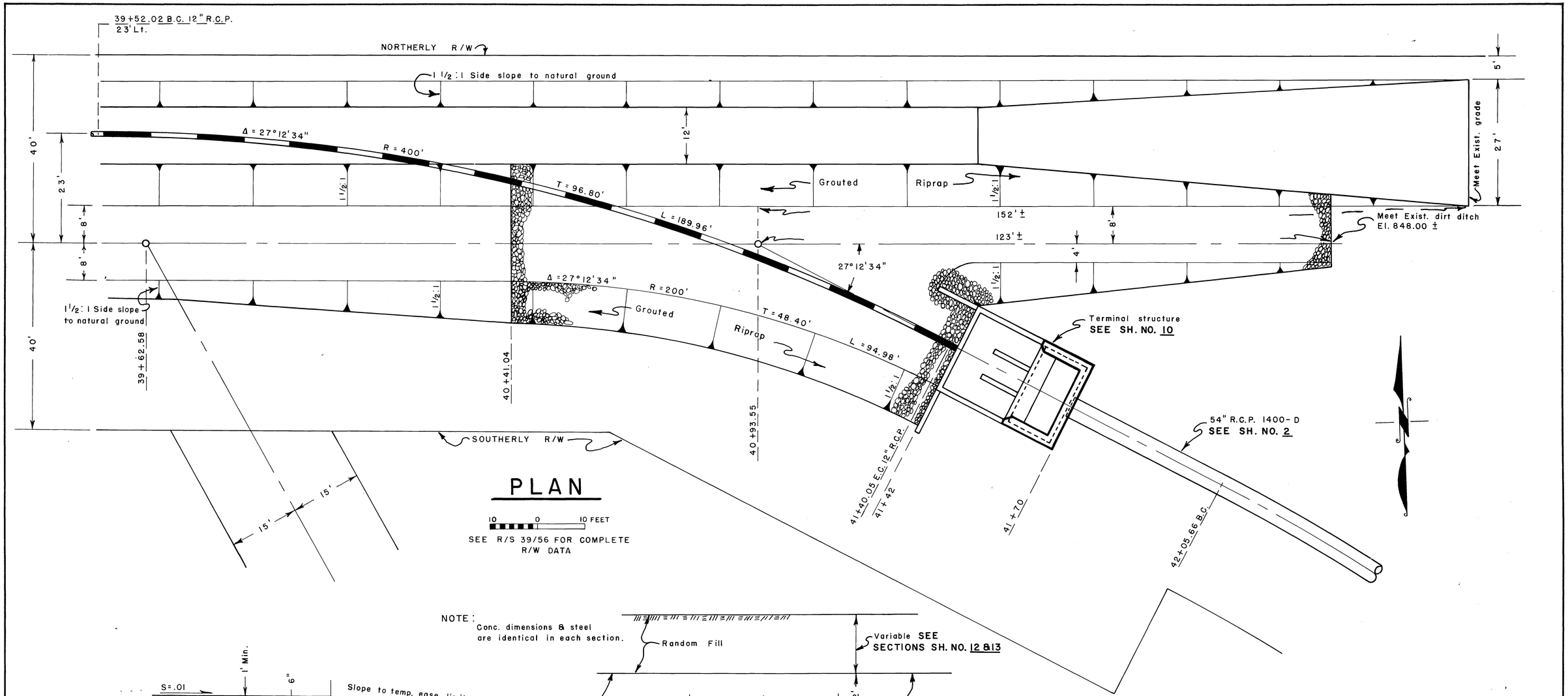
Sheet No. 10 of 39

Dwg. No. 1-172

PROJECT NO. 1-0-160

AS BUILT

D-124

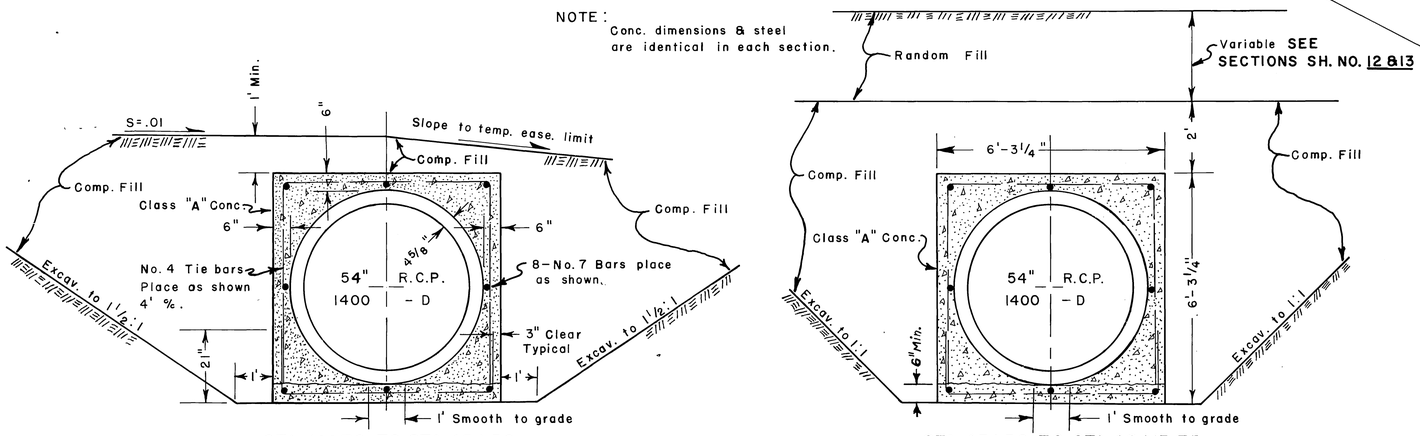


PLAN

10 0 10 FEET

SEE R/S 39/56 FOR COMPLETE R/W DATA

NOTE: Conc. dimensions & steel are identical in each section.



STA. 41+70 TO STA. 45+50

STA. 45+50 TO STA. 48+13.75

CASE VI BEDDING
TYPICAL SECTION
54" R.C.P. INSTALLATION

2 0 2 FEET

REFERENCE	DESCRIPTION	APPROVED	DATE
	NO CONSTRUCTION CHANGE	JCL	8-20-64

— REVISIONS —

REVISED DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

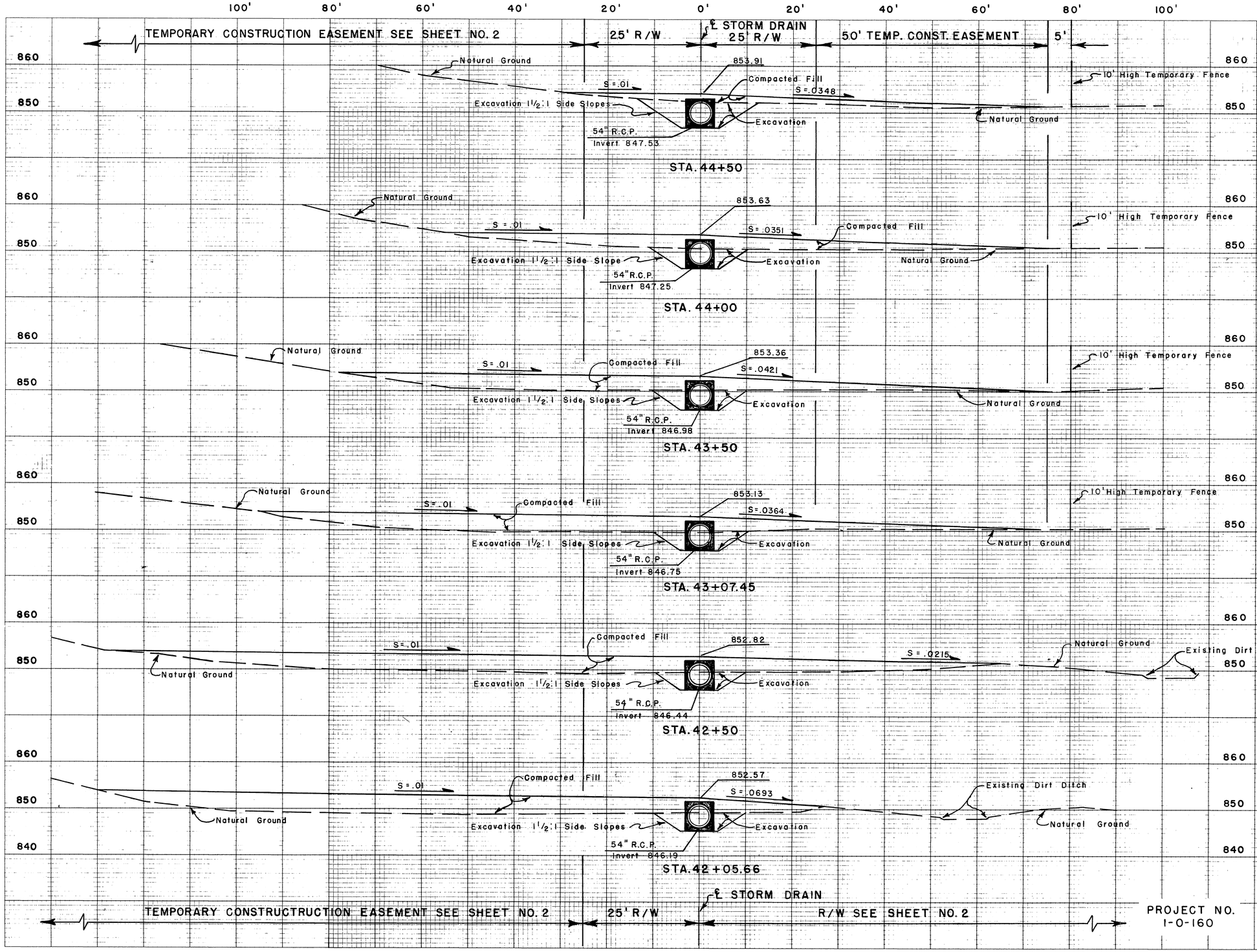
VICTORIA AVE. STORM DRAIN DETAILS JUNCTION AT STA. 40+93.55

APPROVED: John W. Bowers, CHIEF ENGINEER R.E. NO. 6022
DATE: 6-7-63
DRAWN: Jack Hanson
TRACED: Bob Stires
CHECKED:
DATE DRAWN: 5/28/63
SHEET NO. 11 of 39
DWG. NO. 1-172

PROJECT NO. 1-0-160

AS BUILT

D-124



NOTE:
1. For details on R.C.P. & Conc. backfill See Sheet No. 11.
2. Cross sections are taken Looking downstream.

SCALE: HORIZ. 1" = 10' / VERT. 1" = 10'

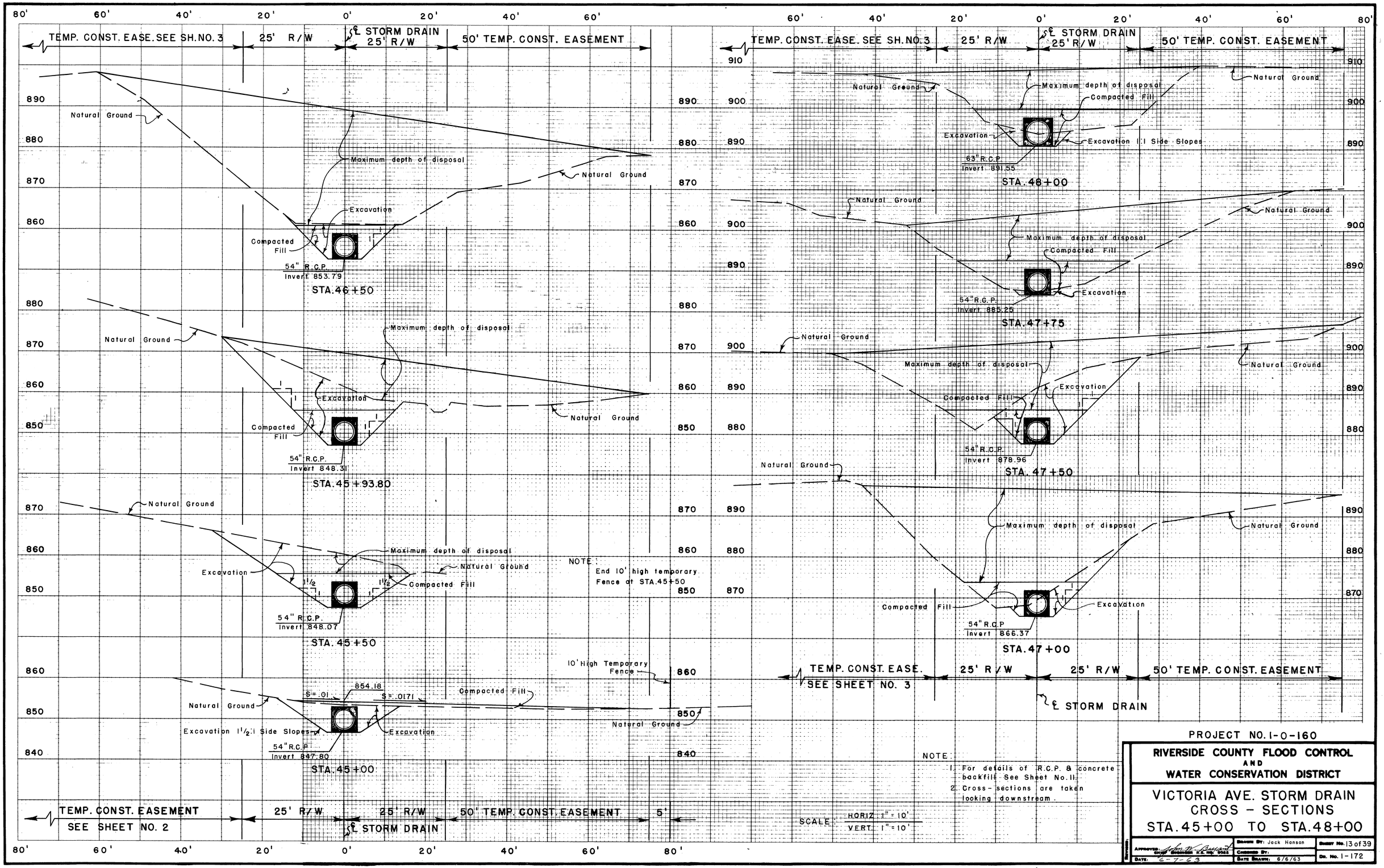
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

VICTORIA AVE. STORM DRAIN
CROSS - SECTIONS
STA. 42+05.66 TO STA. 44+50

APPROVED: John W. Bryant, CHIEF ENGINEER R.E. NO. 6622	DRAWN BY: Jack Hanson	SHEET NO. 12 of 39
DATE: 6-7-63	CHECKED BY:	DR. NO. 1-172
	DATE DRAWN: 6/4/63	

AS BUILT

D-124



NOTE:
1. For details of R.C.P. & concrete backfill See Sheet No. 11.
2. Cross-sections are taken looking downstream.

SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

PROJECT NO. 1-0-160

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

VICTORIA AVE. STORM DRAIN
CROSS - SECTIONS
STA. 45+00 TO STA. 48+00

APPROVED: John W. Bryant, CHIEF ENGINEER R.E. NO. 9322	DRAWN BY: Jack Hanson	SHEET NO. 13 of 39
DATE: 6-7-63	CHECKED BY:	DR. NO. 1-172
	DATE DRAWN: 6/6/63	

AS BUILT

D-124