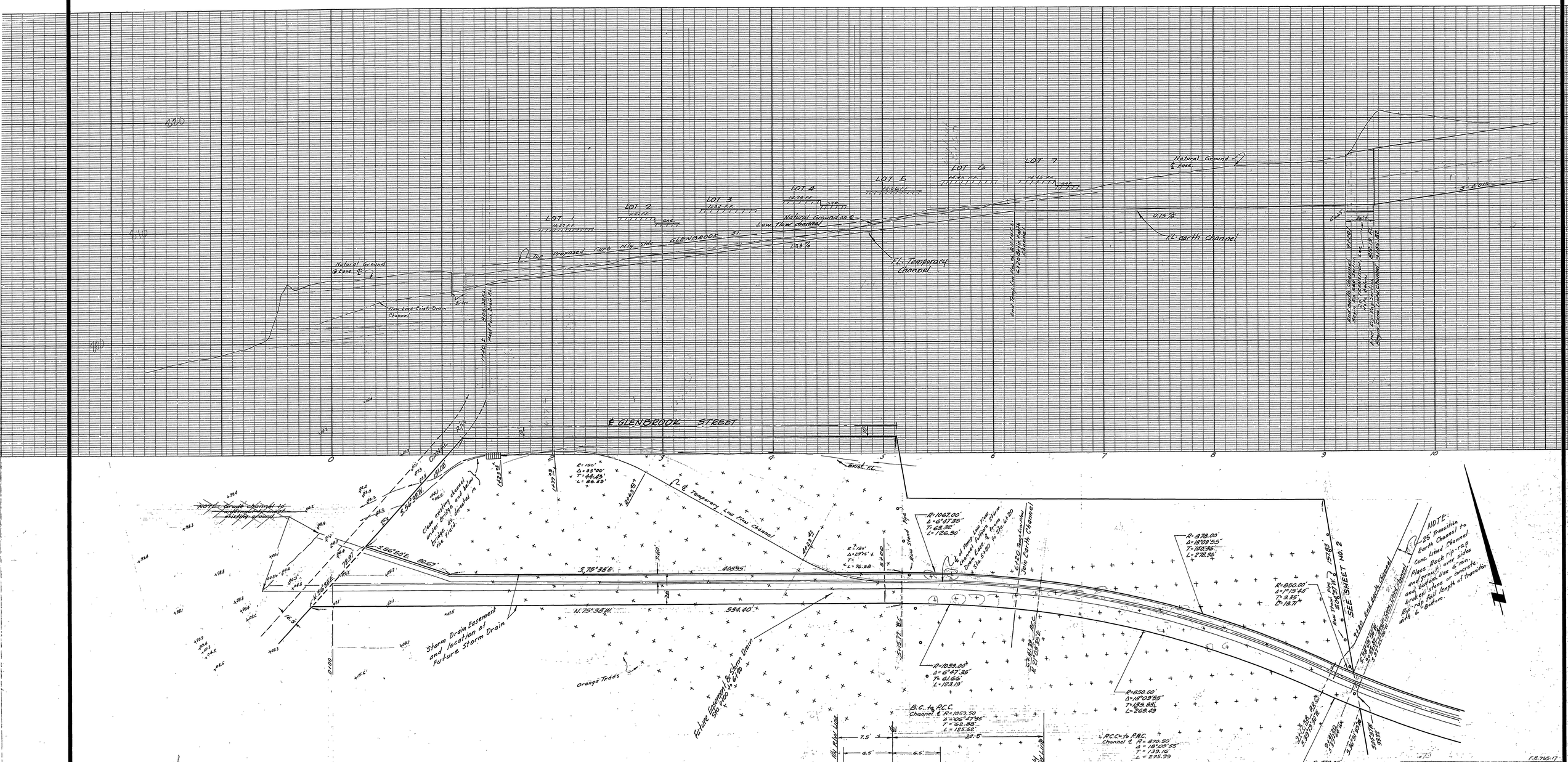


HYDRAULIC DATA					
n	R	S	A	V	Q
0.03	0.543	1.33%	3.0'	3.35 fps.	10 CFS±

F.B. 765-17

J. F. DAVIDSON-CIVIL ENGINEER
R.E. NO. 862
RIVERSIDE, CALIFORNIA
APPROVED BY J. F. Davidson DATE 3/2/62

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

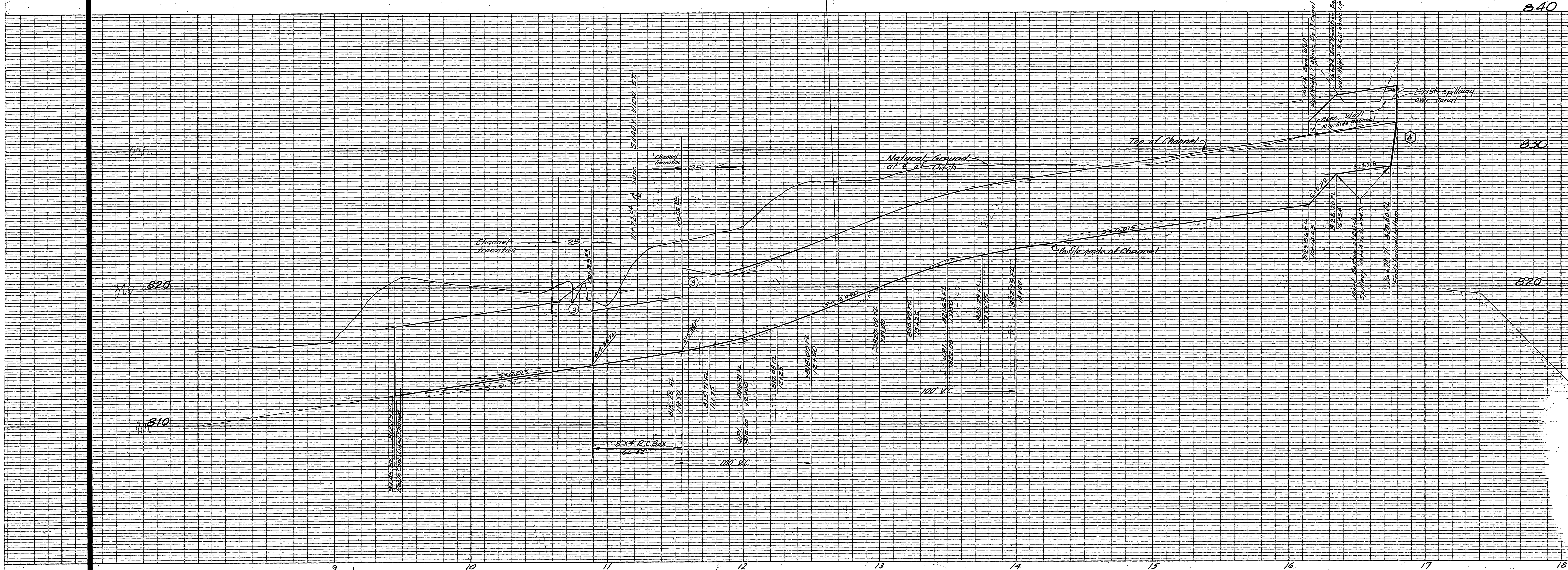
STORM DRAIN PLAN & PROFILE
TRACT 2155

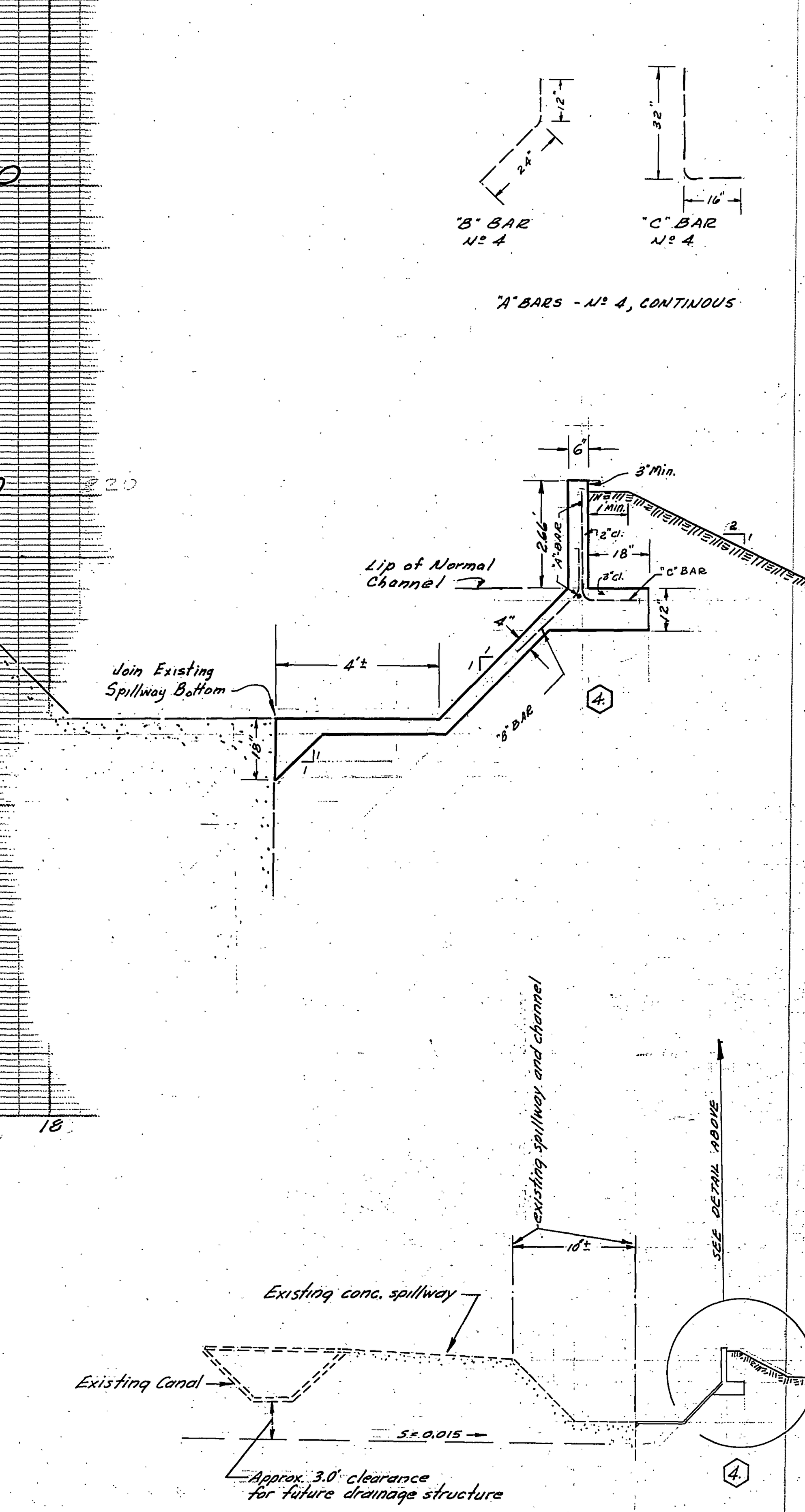
HORIZ. SCALE 1"=40' VERT. SCALE 1"=4'

DESIGNED BY	CHECKED BY Ron Lodge
DRAWN BY	
RECOMMENDED BY	ASSISTANT CITY ENGINEER

APPROVED BY [signature] Director of Public Works
DATE 8-30-62
NO. D-83
SHEET 1 OF 3

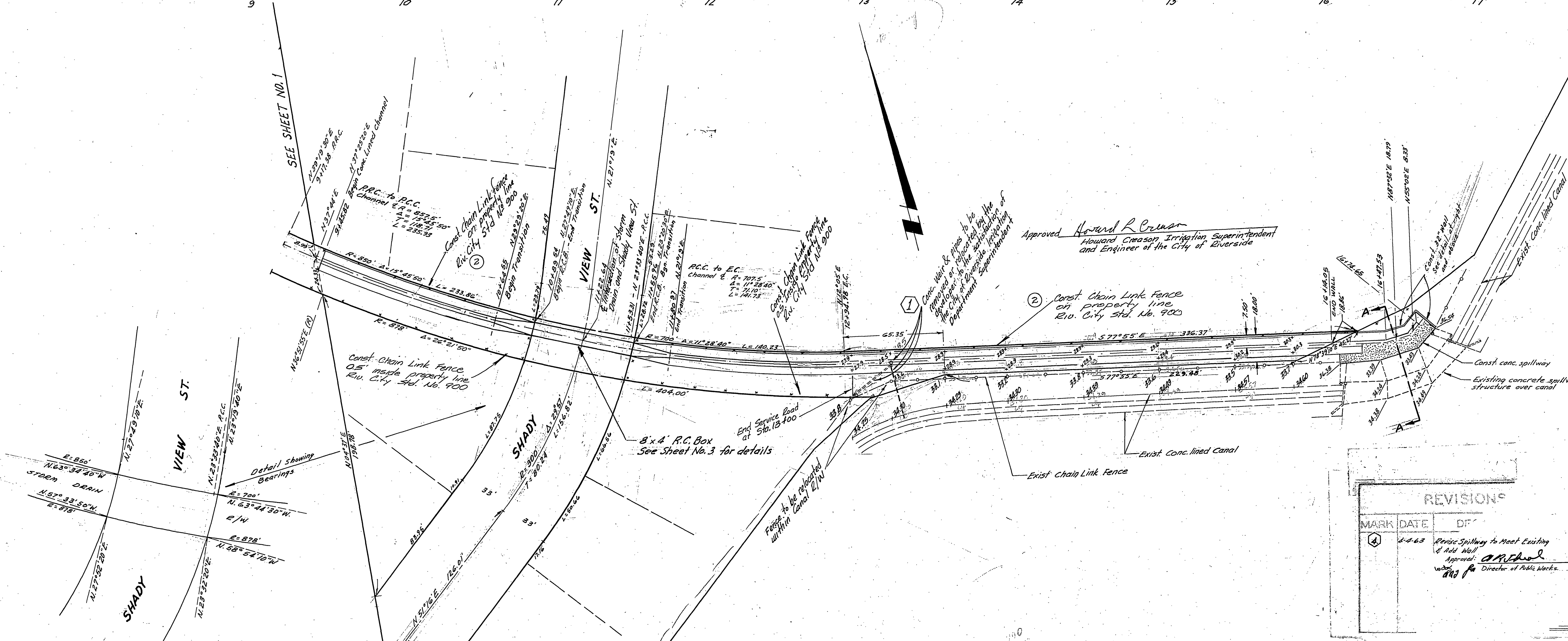
2183





SECTION A-A

Scale Horiz. 1"=10'
Vert. 1"=10'



Approved Howard L Creason
Howard Creason Irrigation Superintendent and Engineer of the City of Riverside

BENCH MARK

Top of North wall Riverside Water Co. Canal at ℄ Head Gates at Spillway Section. Elev. = 832.55

REVISIONS

MARK	DATE	DESCRIPTION
④	4-4-63	Revise Spillway to Meet Existing & Add Wall. Approved: [signature] Director of Public Works

REVISIONS

MARK	DATE	DESCRIPTION
①	Nov. 29, 1962	Add weir & pipes and their disposition. Approved [signature] Director of Public Works
②	2/21/63	Change location of chain link fence. Approved [signature] Director of Public Works
③	9/18/63	Length of wingwall increased from 10' to 25'

DESIGNED BY

DRAWN BY

CHECKED BY Ron Wdg

RECOMMENDED BY [signature] ASSISTANT CITY ENGINEER

J. F. DAVIDSON-CIVIL ENGINEER
R.E. NO. 862
RIVERSIDE, CALIFORNIA
APPROVED BY J F Davidson DATE 3/2/62

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

STORM DRAIN PLAN & PROFILE

TRACT 2155

HORIZ. SCALE 1"=40' VERT. SCALE 1"=4'

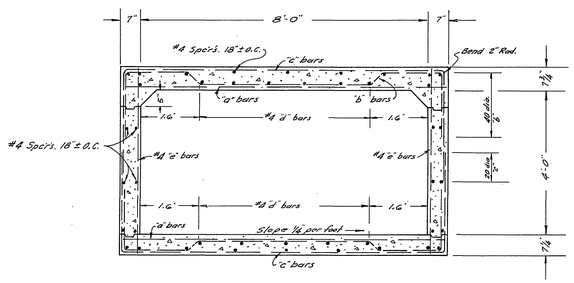
APPROVED BY [signature] Director of Public Works

DATE 8-30-62

NO. D-83

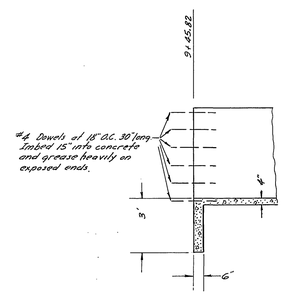
SHEET 2 OF 3

2183

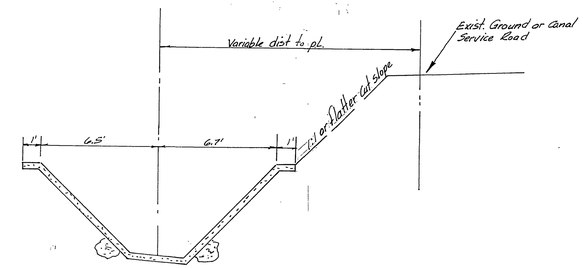


"B"-"B"
TYPICAL SECTION
8'x4' R.C. BOX CULVERT
Scale 1"=2'

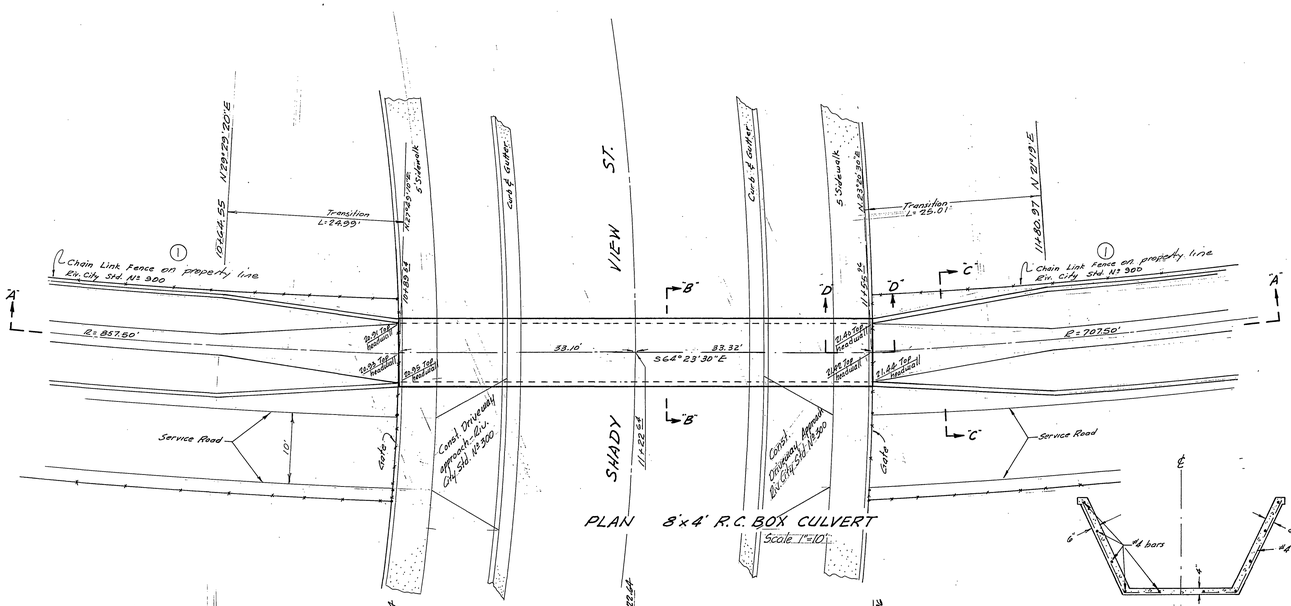
REINFORCING STEEL		
"a"	Size - Bar #	5
	Spacing	12
	Length	8'-11"
"b"	Size - Bar #	5
	Spacing	12
	Length	13'-4"
"c"	Size - Bar #	5
	Spacing	12
	Length	14'-10"
"d" Dist. Bars	Top Slab - No. of	6
	Bot. Slab - No. of	5
"e" Bars	Spacing	18"
Spacers	Number of	30



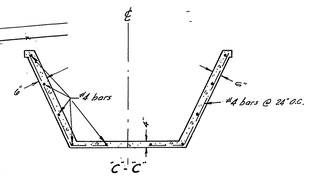
CHANNEL CUT-OFF WALL - STA. 9+45.82
Scale 1"=4'



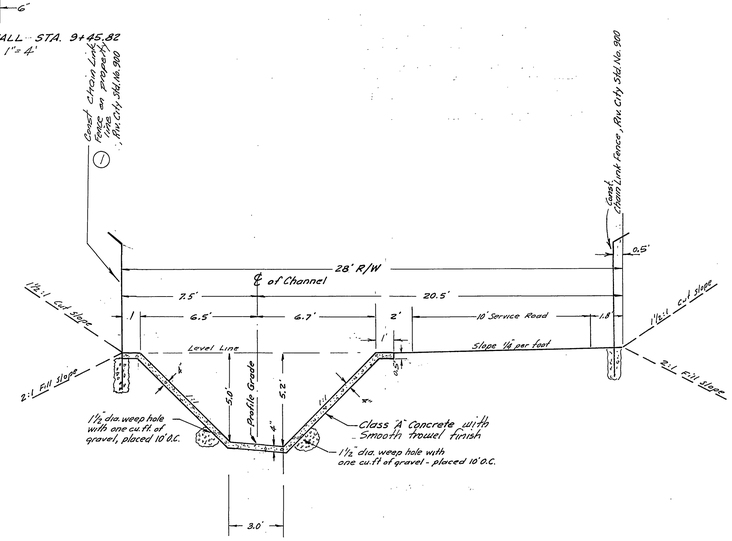
TYPICAL SECTION STORM CHANNEL
Sta. 13+00 to 16+74.65 For const. details see typical section below



PLAN 8'x4' R.C. BOX CULVERT
Scale 1"=10'



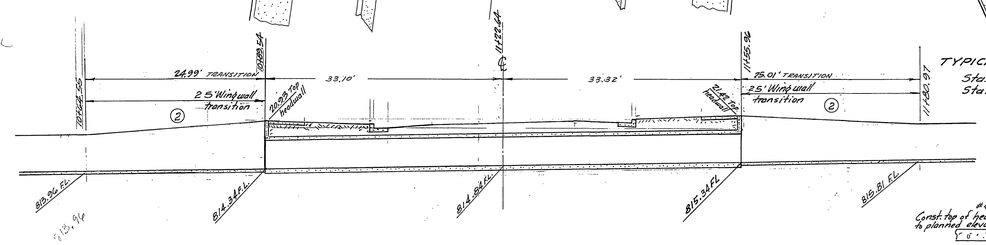
"C"-"C"
TYPICAL SECTION OF TRANSITION
Sta. 10+75.00 to 10+89.24
Sta. 11+55.24 to 11+71.00
No Scale



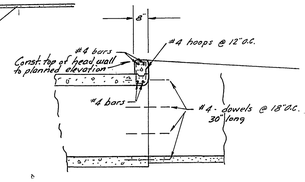
TYPICAL SECTION of STORM CHANNEL
Sta. 9+45.82 to 10+64.55 Sta 11+80.97 to 13+00.00
SCALE 1"=4'

Hydraulic Data

n	S	Q	V	Depth	Freeboard
0.013	0.015	630	20.1	4.05	0.95'
0.013	0.040	630	32.1	3.18	1.82
18.15	2.00	15.4	2.34		



"A"-"A"
SECTION 8"x4" R.C. BOX CULVERT
Scale 1"=10'



"D"-"D"
SECTION OF BOX & CHANNEL JUNCTION
No Scale

BENCH MARK
Top North wall Riverside Water Co. Val & Head Gates at Spillway Section.
Elev. 832.55

REVISIONS		
	DATE	DESCRIPTION
1	2/21/63	Change location of chain link fence. Approved [illegible] 2/21/63 Director of Public Works
2	3/8/63	Wing Wall increased in length from 10' to 25'. [illegible]

DESIGNED BY
CHECKED BY Ron Webb
DRAWN BY
RECOMMENDED BY [illegible] ASSISTANT CITY ENGINEER

J. F. DAVIDSON - CIVIL ENGINEER
R.E. NO. 062
RIVERSIDE, CALIFORNIA
APPROVED BY [signature] DATE 3/2/62

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

STORM DRAIN PLAN & PROFILE

TRACT 2155

APPROVED BY [signature]
Director of Public Works
DATE 8-30-62

NO D-83
3 3

2183