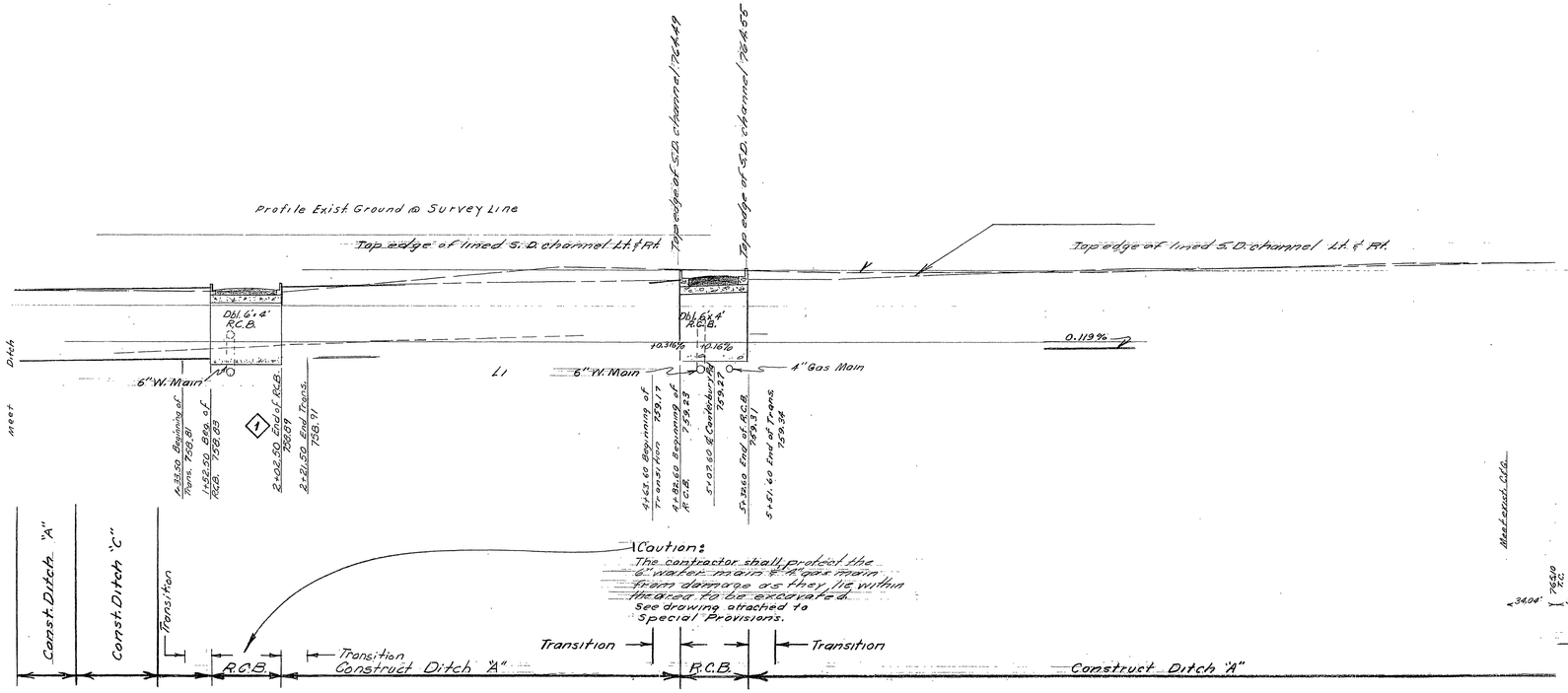
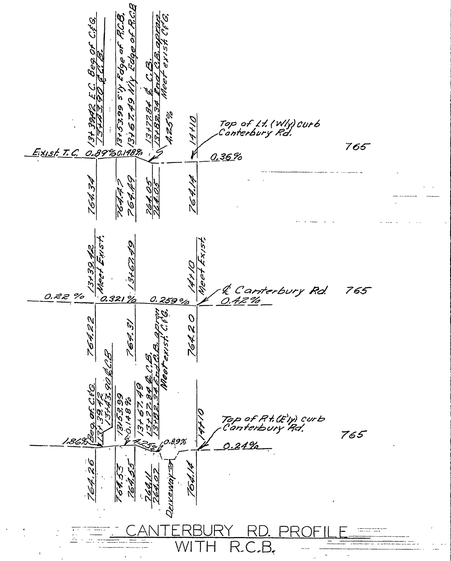
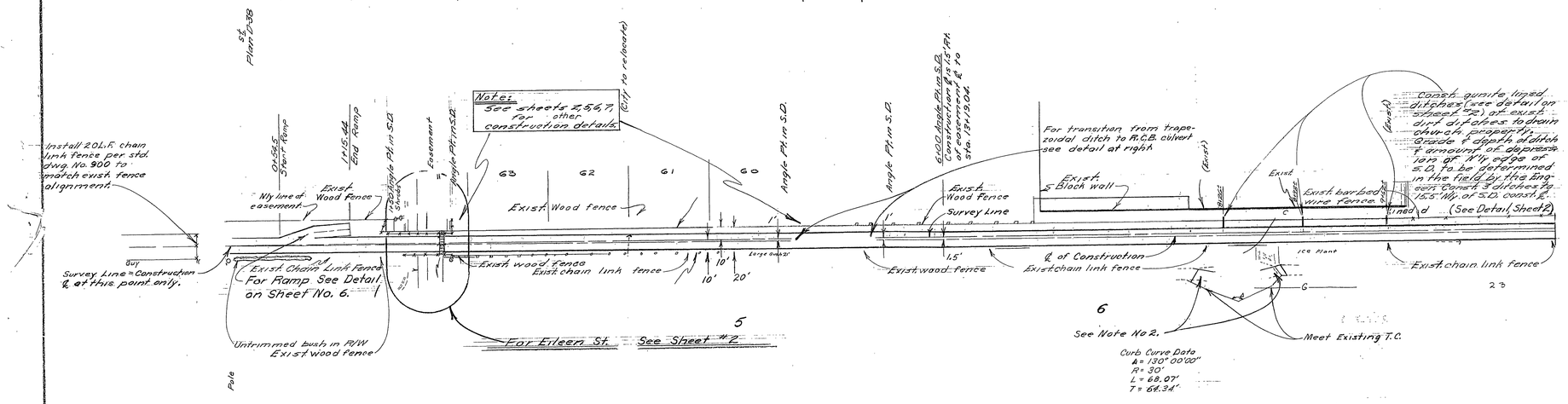


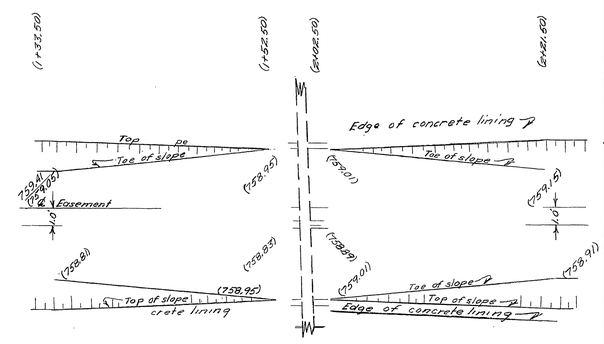


CANTERBURY RD. PROFILE WITH R.C.B.

Nail in lead on E'ly side of curb approx. 4' from End of curb on Eileen Street. Elev. 763.591

676/1-7 11-15





EILEEN ST. (STA. 1+33.50 TO 1+52.50)

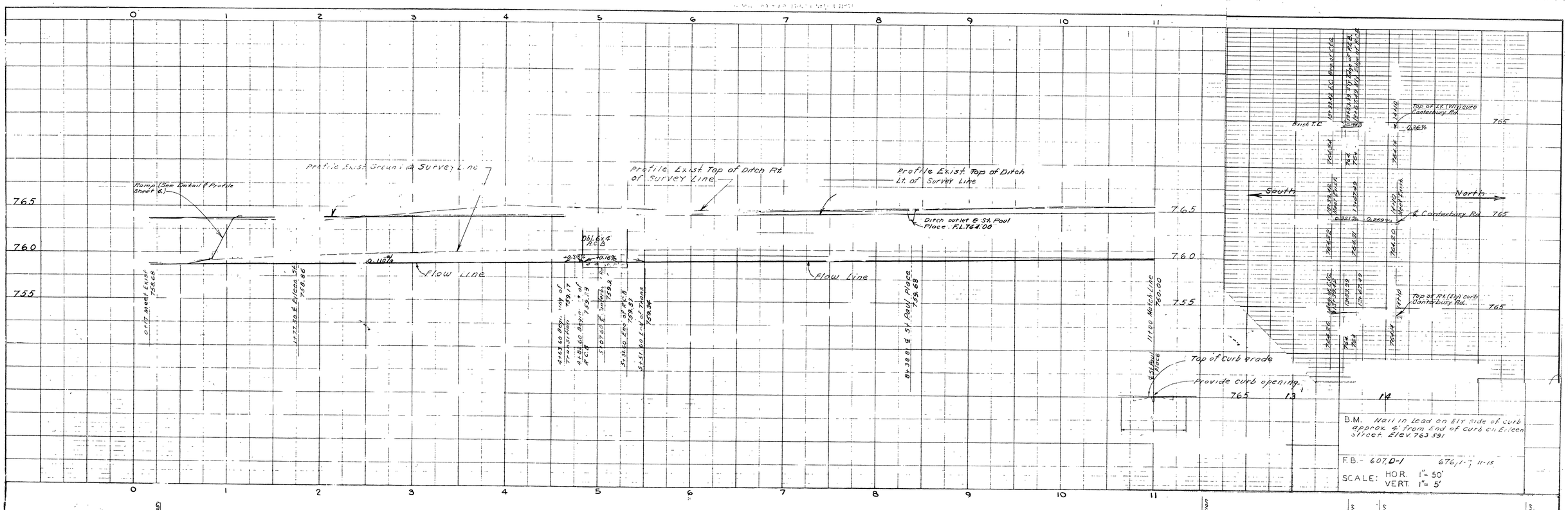
EILEEN ST. (STA. 2+02.50 TO 2+21.50)

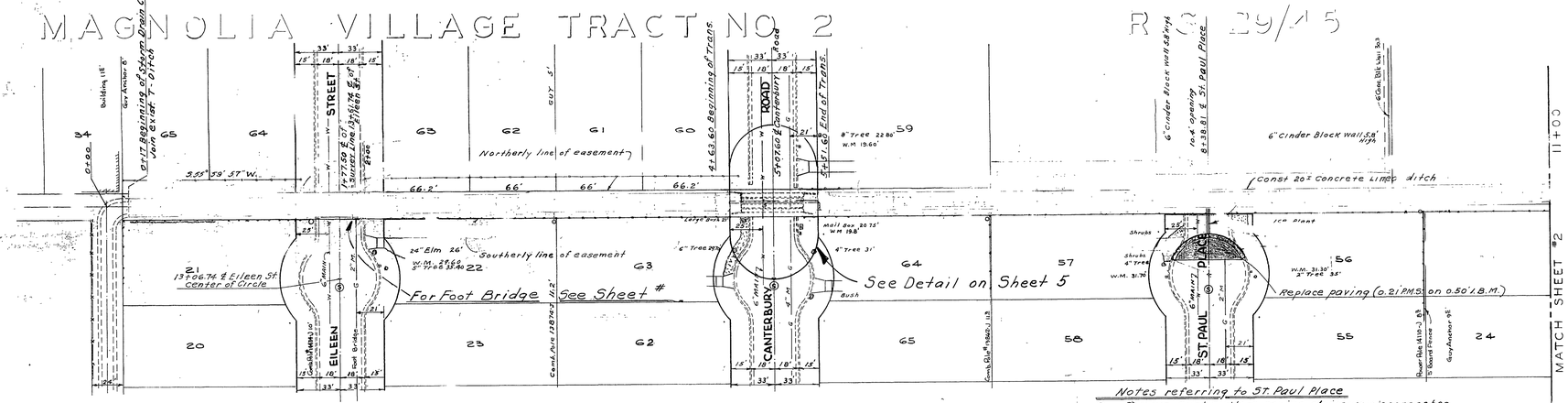
For Eileen St. transition use figures in parenthesis.

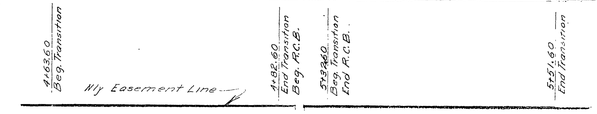
SCALE 1" = 50'

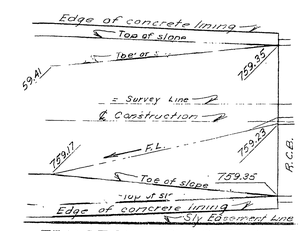
For Typical Cross-Section see Sheet No. 5.

			CITY OF RIVERSIDE CALIFORNIA DEPARTMENT OF PUBLIC WORKS
	1	Eliminate Alt. 2 Const. Alt. 3	ARLINGTON MONROE STORM DRAIN NO. 3
			T DITCH ELY OF ADAMS STREET TO STREETER AVENUE
			PROJ. NO. 4001
		DATE 6-11-64	D-100
			SHEET 1 OF 7

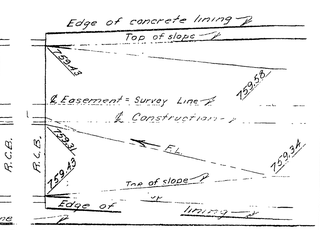








TRANSITION DOWNSTREAM OF CANTERBURY RD.
STA 4+63.60 TO 4+82.60
SCALE 1"=6'



TRANSITION UPSTREAM OF CANTERBURY RD.
STA 5+32.60 TO 5+51.60
SCALE 1"=6'

Notes referring to St. Paul Place

1. Remove curb, gutters, paving, driveway approaches across St. Paul Place, and using saw cut where new construction joins existing concrete.
2. Reconstruct driveway approaches as required in the field. Construct curb and gutter, replace paving as shown. (0.21 P.M.S. on 0.5' I.B.M.)
3. Provide curb openings at ℄ of street. The shape of the opening to be same as the adjacent ditch.
4. Construct a lined ditch at a 0.3% grade connecting the flow line of the new curb and gutter and the storm drain at ℄ of St. See cross section of ditch Sheet
5. Place dirt between the new curb and gutter and the storm drain and grade.
6. Furnish and install one W21R Reflector on fence

REVISIONS		
MARK	DATE	DESCRIPTION

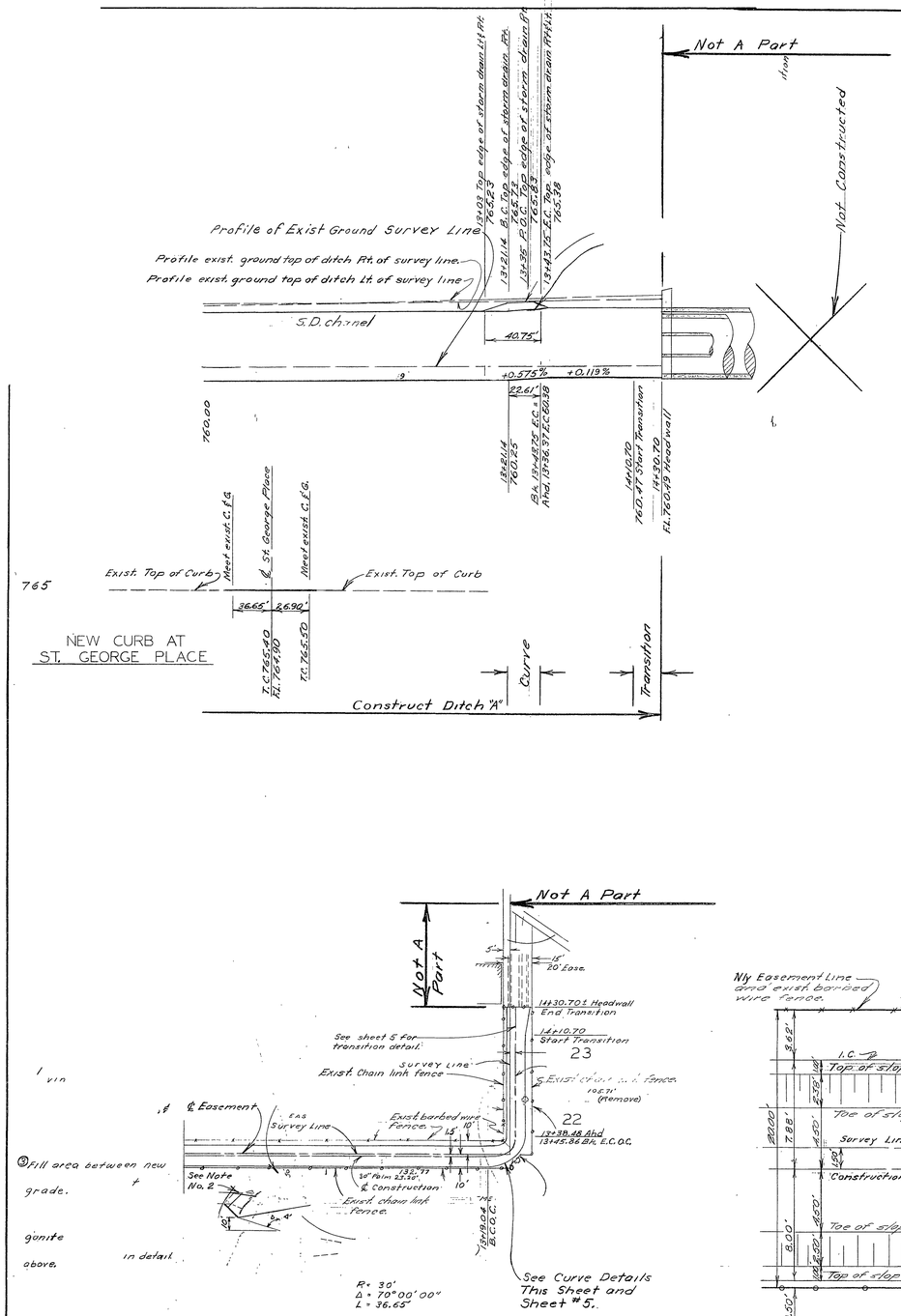
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

ARLINGTON MONROE STORM DRAIN NO. 3

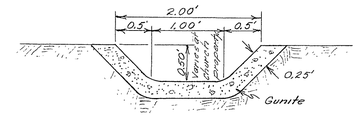
T-DITCH ELY OF ADAMS STREET TO STREETER AVENUE

DESIGNED BY | SUBMITTED BY | APPROVED BY
DRAWN BY | TRAFFIC DIV.
CHECKED BY | RECOMMENDED BY | DATE
ASSISTANT CITY ENGINEER

PROJ. NO. 4001
D-100



NEW CURB AT ST. GEORGE PLACE

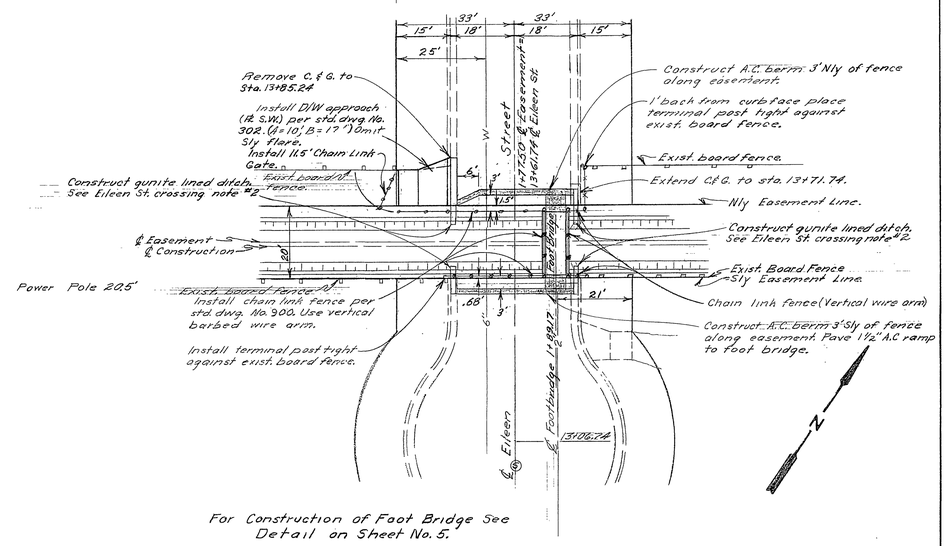


DETAIL OF GUNITE LINED DITCHES TO BE BUILT AT ST. PAUL PLACE · ST. GEORGE PLACE EILEEN ST AND CHURCH PROPERTY

SCALE 1"=1'

Notes For Eileen Street:

1. Nly of storm drain extend curb and gutter to sta. 13+71.74 on Ely side.
2. Construct gunite lined ditch leading from the gutter flow lines into the storm drain. Inlets to be shaped with gunite. Outlets to be flush with the storm drain lining. Grades to be given in the field.
3. Construct plant-mixed asphalt berms across Eileen St. at sta's. 13+48.74 and 13+74.74 ℄ Eileen St., extending from top of curb to top of curb. (Std. Dwg. No. 250).
4. Remove existing barricades and footbridge.
5. Furnish and install two reflectors, Division of Highways No. W21R where designated by the inspector.
6. Install driveway approach, fence, gate, and footbridge as indicated.



For Construction of Foot Bridge See Detail on Sheet No. 5.

DETAIL AT EILEEN STREET

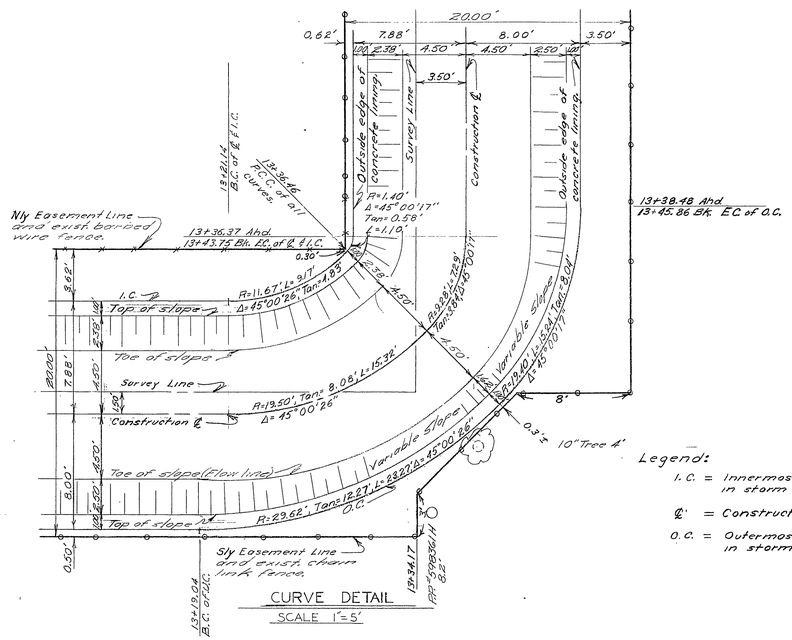
SCALE 1"=20'

(CONTINGENT CONSTRUCTION)

③ Fill area between new grade.

gunite above.

in detail



CURVE DETAIL

SCALE 1"=5'

Legend:

I.C. = Innermost curve of turn in storm drain structure.

℄ = Construction ℄

O.C. = Outermost curve of turn in storm drain structure.

ARLINGTON-MONROE STORM DRAIN NO. 3

T DITCH ELY OF ADAMS STREET TO STREETER AVENUE

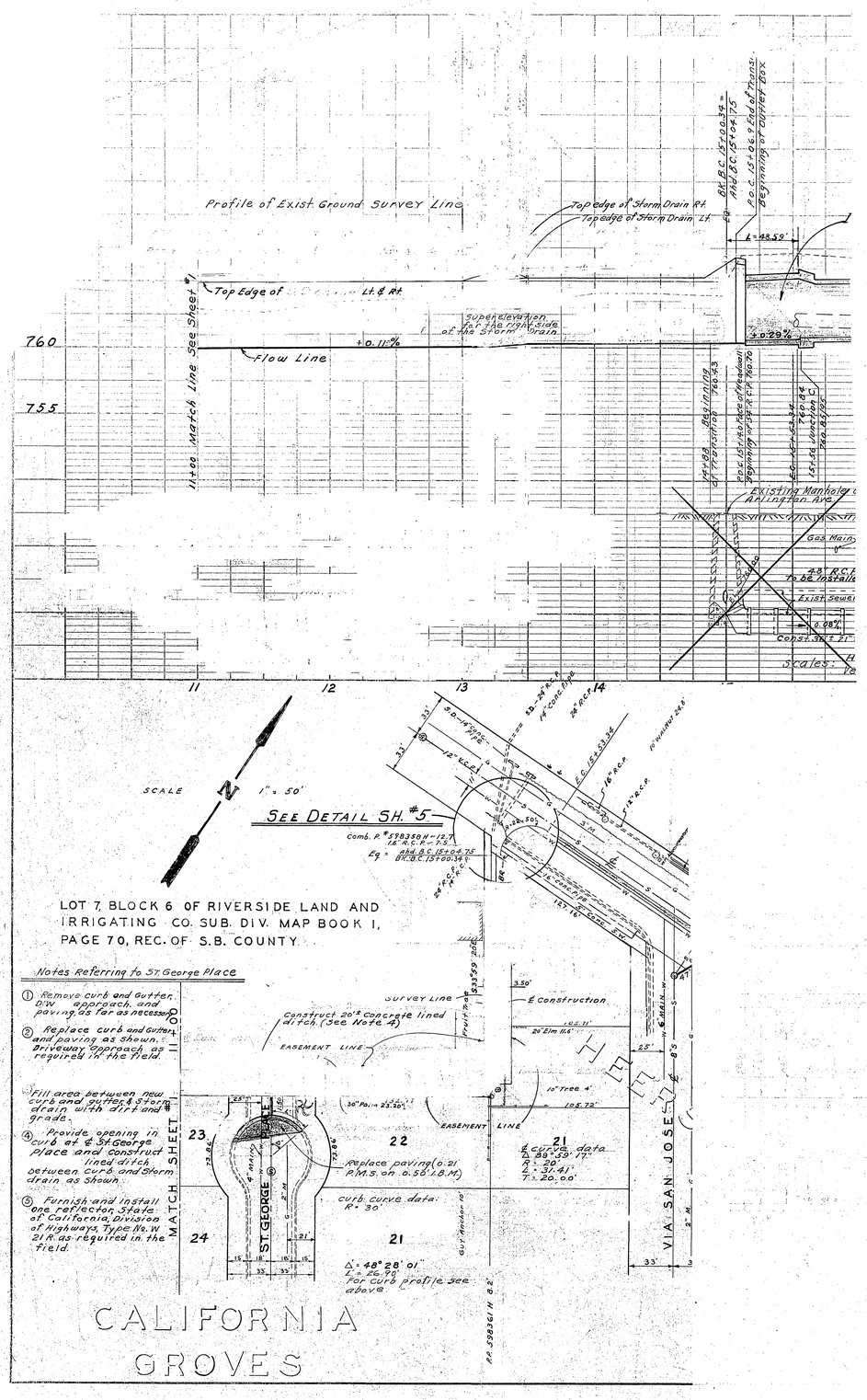
4001

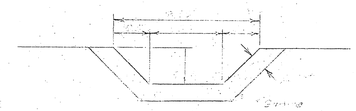
V.G. William D. Gardner

6-11-64

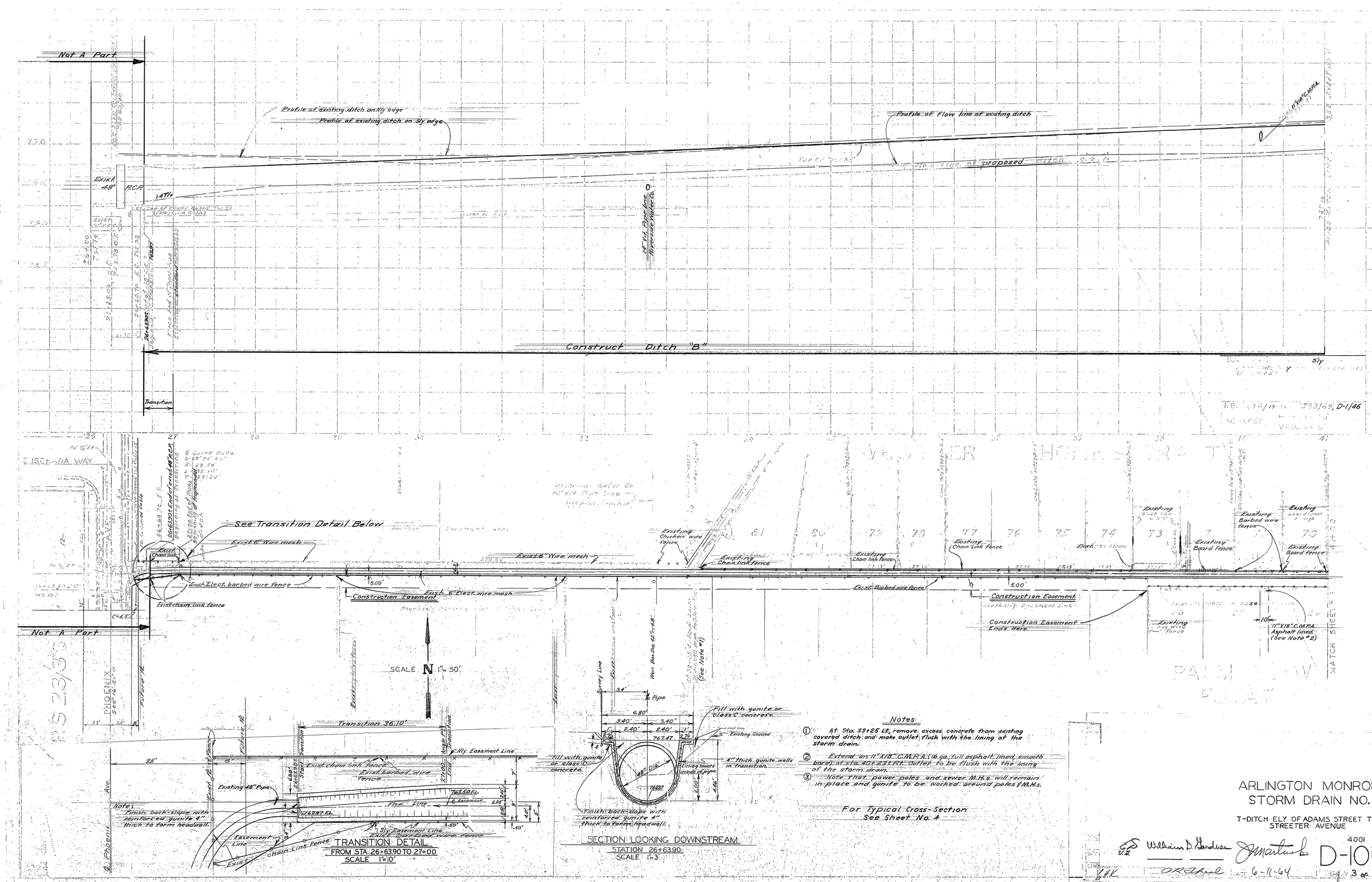
D-100

2 of 7





REVISIONS			CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS
MARK	DATE	DESCRIPTION	ARLINGTON - MONROE STORM DRAIN NO. 3
			T. DITCH FLY OF ADAMS STREET TO STREETER AVENUE
DESIGNED BY	SUBMITTED BY		APPROVED BY — DIRECTOR OF PUBLIC WORKS
DRAWN BY	PARK DEPT.	TRAFFIC DIV.	PROJ. NO. D-100
CHECKED BY	RECOMMENDED BY — ASSISTANT CITY ENGINEER		DATE — SHEET 2 OF 7



Notes

1. At Sta. 33+25 Lt., remove excess concrete from existing covered ditch and make outlet flush with the lining of the storm drain.
2. Extend on 11"X18" C.M.P.A. (16 ga. full asphalt lined, smooth bore) at sta. 40+23± Rt. Outlet to be flush with the lining of the storm drain.
3. Note that power poles and sewer M.H.s will remain in place and gunite to be worked around poles & M.H.s.

For Typical Cross-Section See Sheet No. 4

ARLINGTON MONROE STORM DRAIN NO. 3

T-DITCH ELY OF ADAMS STREET TO STREETER AVENUE

4001

D-100

William D. Gardner

6-11-64

SHEET 3 OF 7

PLE-E1, PLAN PROFILE O.P.& E. STANDARD
KELLHER & FISSER CO. NEW YORK
K & E CO. No 346-IC

REVISIONS			CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS
MARK	DATE	DESCRIPTION	
DESIGNED BY	SUBMITTED BY		APPROVED BY
DRAWN BY	PARK DEPT	TRAFFIC DIV	DIRECTOR OF PUBLIC WORKS
CHECKED BY	RECOMMENDED BY		DATE
	ASSISTANT CITY ENGINEER		

PROJ NO. D-100

SHEET 3 OF 7

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
STAKES CHECKED
STAKE LIGHT
SIGNATURE NOTE NO. CHKD
BY
DATE

PLAN
SURVEYED
PLOTTED
NOTE BOOK
STAKES CHECKED
STAKE LIGHT
SIGNATURE NOTE NO. CHKD
BY
DATE

STEEL LIST

	No. Req.	Length	Size
Vertical Bars	12	5.50'	#4
Horizontal Bars	6	15.67'	#4

REVISIONS		
MARK	DATE	DESCRIPTION

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

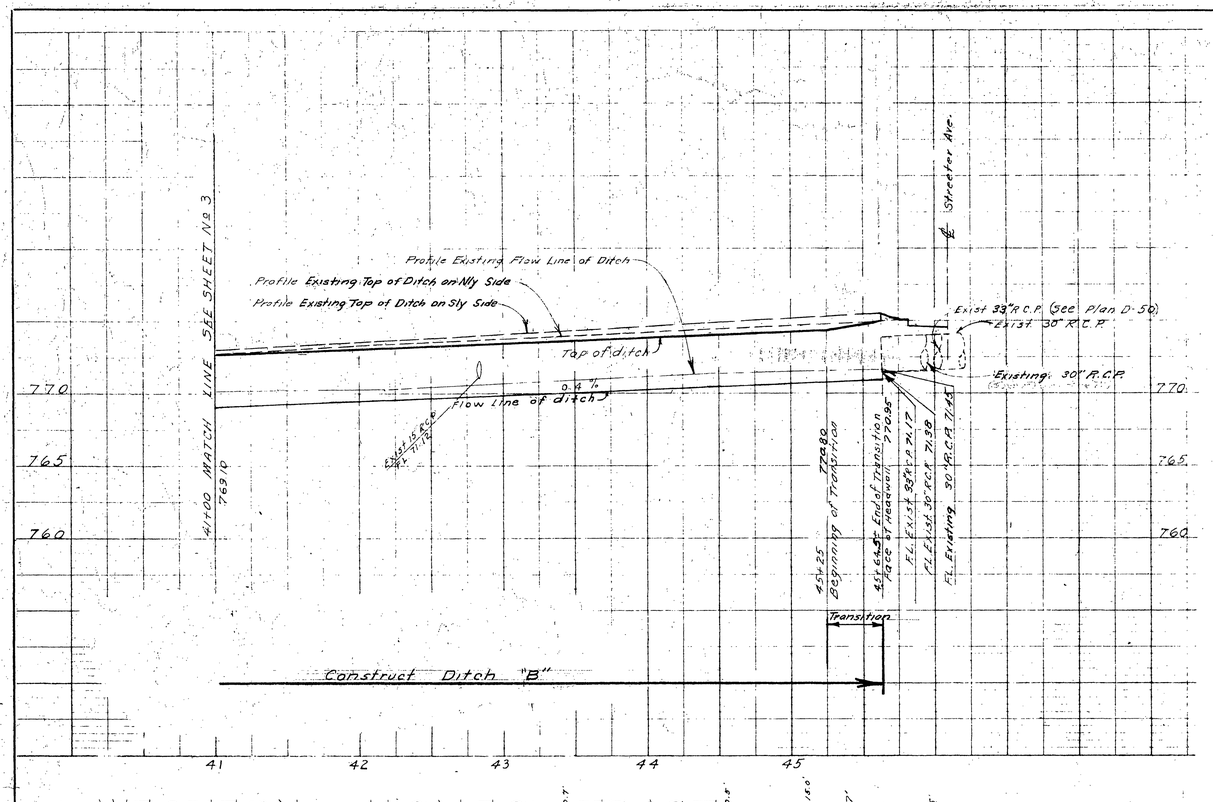
ARLINGTON—MONROE
STORM DRAIN NO.3

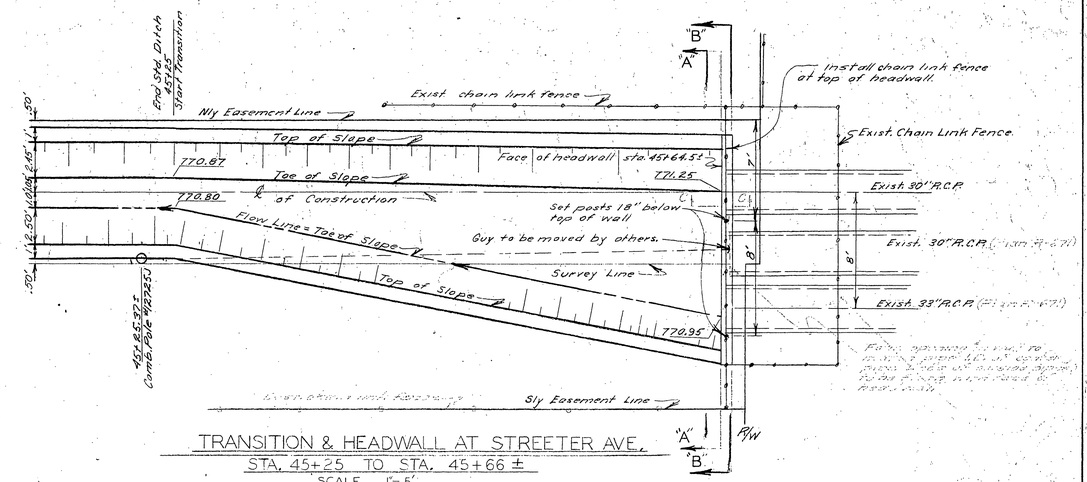
T-DITCH ELY OF ADAMS STREET TO STREETER AVENUE

DESIGNED BY | SUBMITTED BY William D. Gardner | APPROVED BY [signature]
DRAWN BY V.G. | PARK DEPT. | TRAFFIC DIV.
CHECKED BY | RECOMMENDED BY [signature]
DATE 6-11-64

D-100

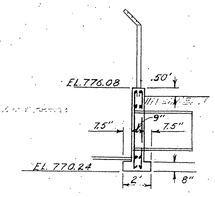
SHEET 4 of 7





TRANSITION & HEADWALL AT STREETER AVE.
STA. 45+25 TO STA. 45+66 ±
SCALE 1"=5'

Note:
Dimensions shown are at face of headwall. Dimensions that vary through transition are noted (V). Use 2½" thick walls and 3⅝" thick bottom in transition.



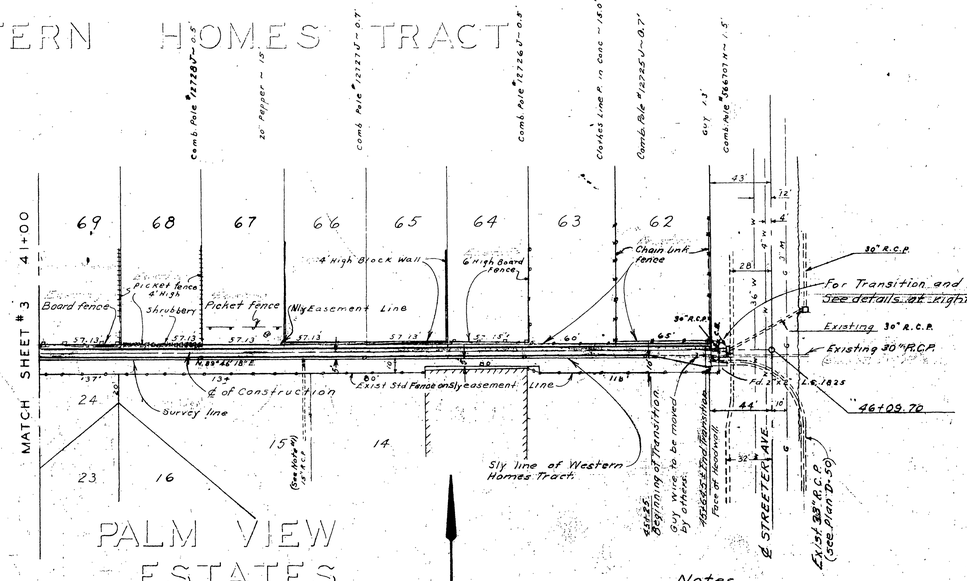
SECTION C–C
SCALE 1"=5'

STEEL LIST

	No. Req.	Length	Size
Vertical Bars	12	5.60'	#4
Horizontal Bars	6	15.67'	#4

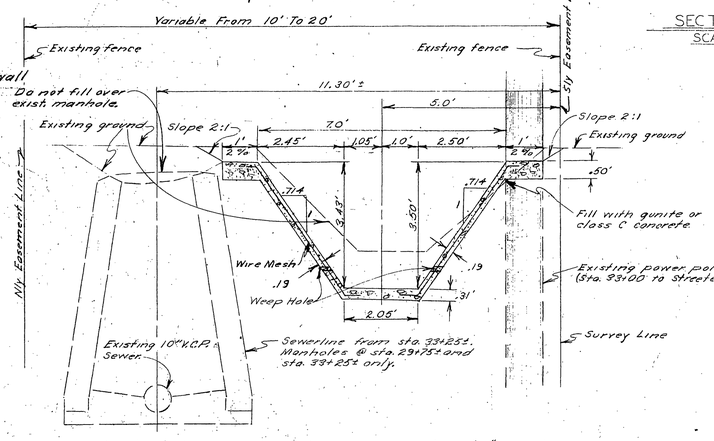
SECTION A–A
SCALE 1"=5'

SECTION B–B
SCALE 1"=5'



Notes

1. Extend a 15" R.C.P. at sta. 42+85± Rt. Outlet to be flush with the lining of the ditch.
2. The contractor shall install chain link fence at top of headwall and meet existing easement line fences.



TYPICAL SECTION GUNITED DITCH "B"
STREETER TO PHOENIX AVE.
SLOPE AND DIMENSIONS
SCALE 1"=2'

REVISIONS		
MARK	DATE	DESCRIPTION

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

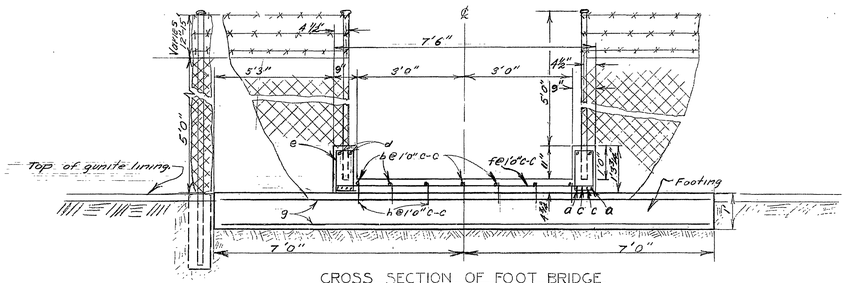
ARLINGTON—MONROE
STORM DRAIN NO. 3

T-DITCH ELY OF ADAMS STREET TO STREETER AVENUE

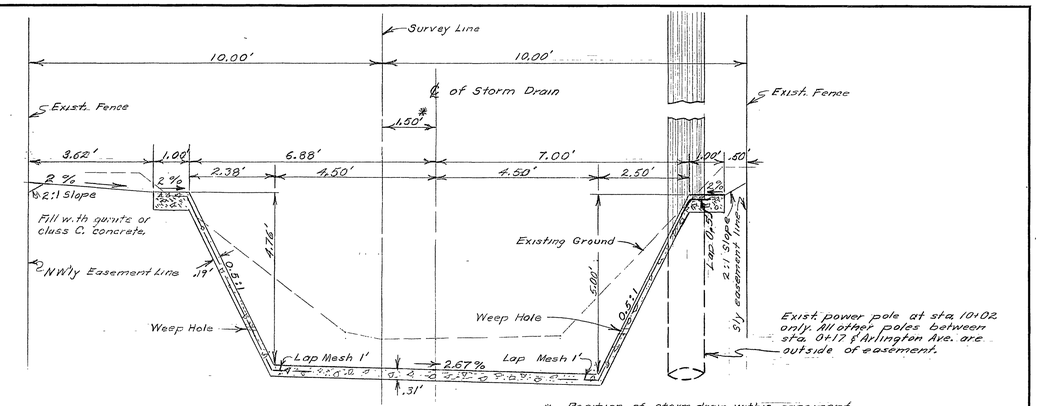
DESIGNED BY	SUBMITTED BY	APPROVED BY	PROJ. NO.
DRAWN BY V.G.	PARK DEPT. / TRAFFIC DIV.	DIRECTOR OF PUBLIC WORKS	D-100
CHECKED BY	RECOMMENDED BY ASSISTANT CITY ENGINEER	DATE	SHEET 4 OF 7

Steel Schedule For Foot Bridge — Measured Along ℄ of Steel				
Mark	Size	No. Req.	Length	Detail
a	#5	4	18'2¾"	5 11/16", 17'3 3/8"
b	#2	7	17'4"	17'4"
c	#5	4	18'11 3/8"	5 11/16", 45°, 10 3/8", 1'2 11/16", 45°, 14'7¼", 17'3 3/8"
d	#4	4	17'4"	17'4"
e	#2	34	3'1½"	4¾", 11½", 4¾"
f	#4	23	7'11 3/8"	5 7/8", 6'11½"
g	#4	8	13'8"	13'8"
h	#4	7	6"	6"

Note:
Class "A" concrete shall be used for the construction of the bridge & footing. Reinforcing bars shall be either intermediate or hard grade billet steel to withstand tension of 20,000 psi, and shall have an outside covering of concrete at least 2" thick.



CROSS SECTION OF FOOT BRIDGE
SCALE 1"=2'
(CONTINGENT CONSTRUCTION)

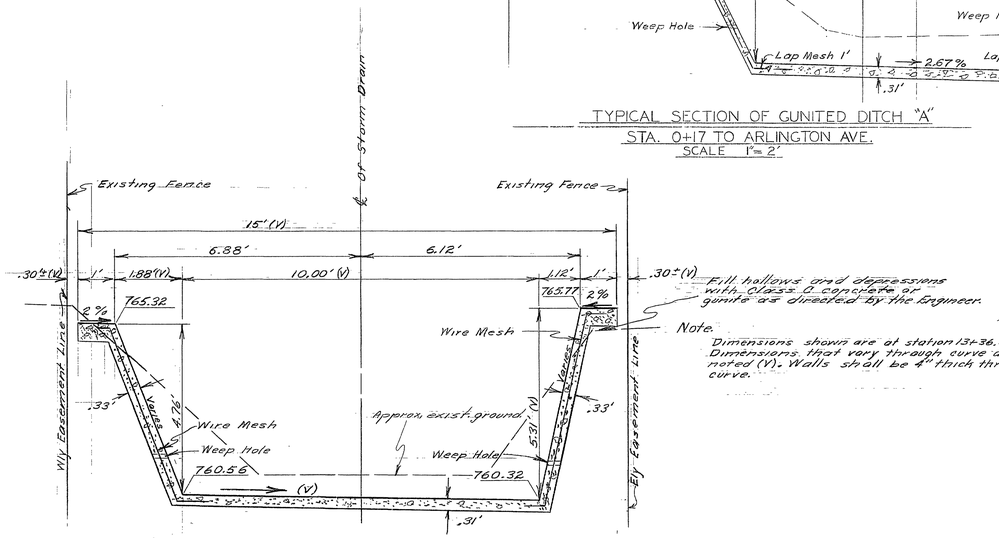


Exist power pole at sta. 10+02 only. All other poles between sta. 0+17 & Arlington Ave. are outside of easement.

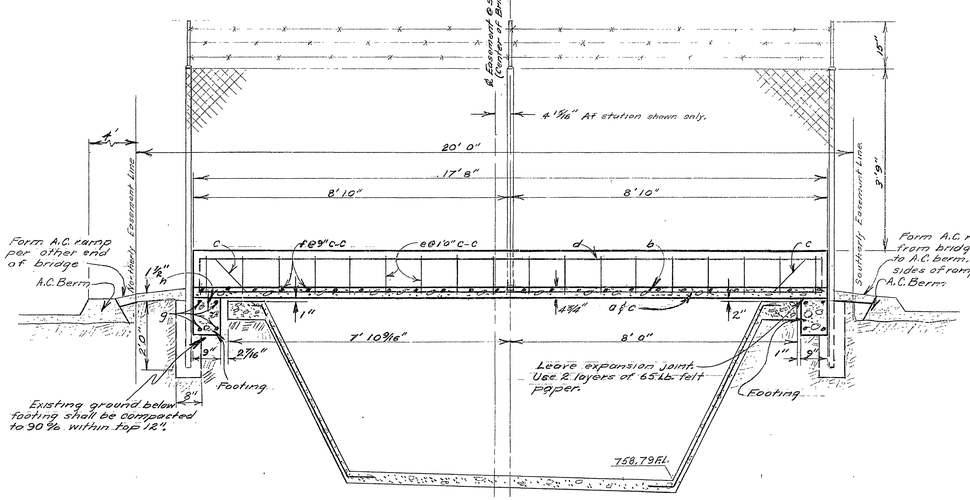
TYPICAL SECTION OF GUNITED DITCH "A"
STA. 0+17 TO ARLINGTON AVE.
SCALE 1"=2'

* Position of storm drain within easement varies. See plan for exact location.

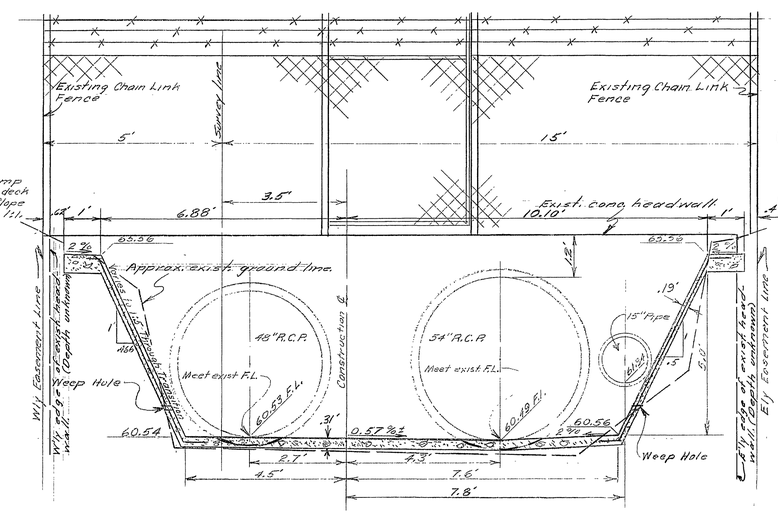
Note:
Sidewalls to be 2¼" thick gunite reinforced with 4x4-No.10 guage wire mesh. Bottom to be 3⅝" unreinforced concrete, class C. Transition walls to be 4" thick gunite (except as noted) reinforced as above. Construct 2" diameter weep holes 12" from ditch bottom @ 8'-0" centers, on both sides of ditch. Construct transverse cold joint or dummy groove in bottom ¾" deep every 16'.



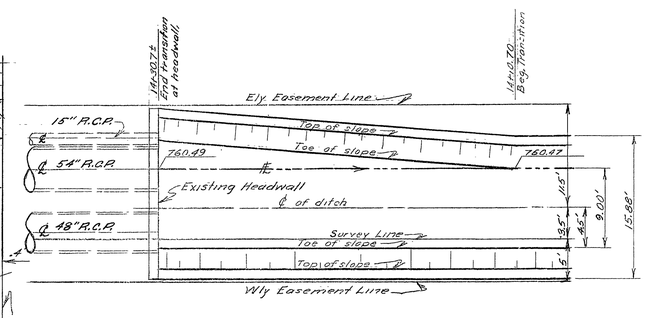
TYPICAL SECTION OF GUNITE DITCH
STA. 13+19.04 TO STA. 13+45.86
SCALE 1"=2'



LONGITUDINAL SECTION OF FOOT BRIDGE
AT EILEEN STREET
DITCH STA. 1+89.17
SCALE 1"=2'
(CONTINGENT CONSTRUCTION)



SECTION OF GUNITED DITCH
LOOKING UPSTREAM AT STA. 14+30.7±
SCALE 1"=2'



DETAIL OF TRANSITION
STA. 14+10.70 TO STA. 14+30.7±
SCALE: AS SHOWN

REVISIONS		
MARK	DATE	DESCRIPTION

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

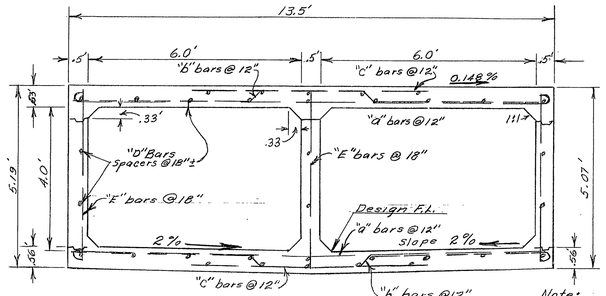
ARLINGTON MONROE
STORM DRAIN NO. 3

DETAIL SHEET

DESIGNED BY GHK	SUBMITTED BY William S. Hardie	APPROVED BY	PROJ. NO. 4001
DRAWN BY V.G.	PARK DEPT. / TRAFFIC DIV.	DIRECTOR OF PUBLIC WORKS	D-100
CHECKED BY GHK	RECOMMENDED BY ASSISTANT CITY ENGINEER	DATE 6-11-44	SHEET 5 OF 7

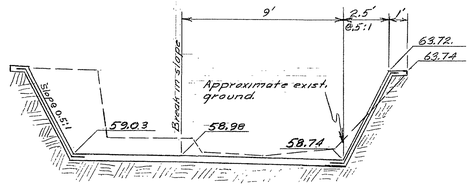
Steel Schedule for R.C.B.			
Bar No.	Size	No. Req.	Length
a	5	102	14.25'
b	5	102	13.58'
c	5	102	6.50'
D	4	2100 L.F.	
E	4	102	4.75'

Scale 1" = 2'

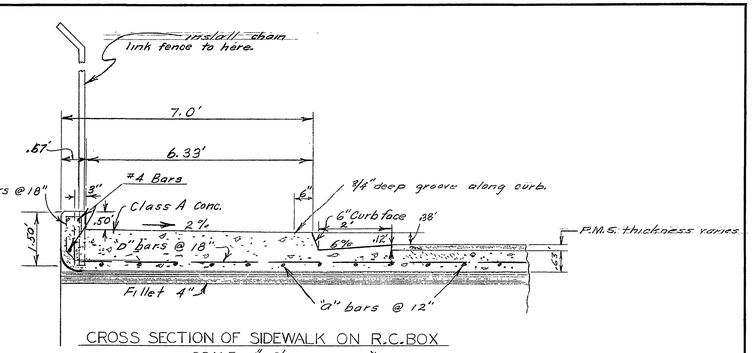


EILEEN ST. AND CANTERBURY RD.
STANDARD DOUBLE BOX CULVERT 6'X 4' A VIII X 50'
SCALE 1" = 2'
REF: STATE OF CALIF. DIV. OF HIGHWAYS STD DWG. NO. A-57

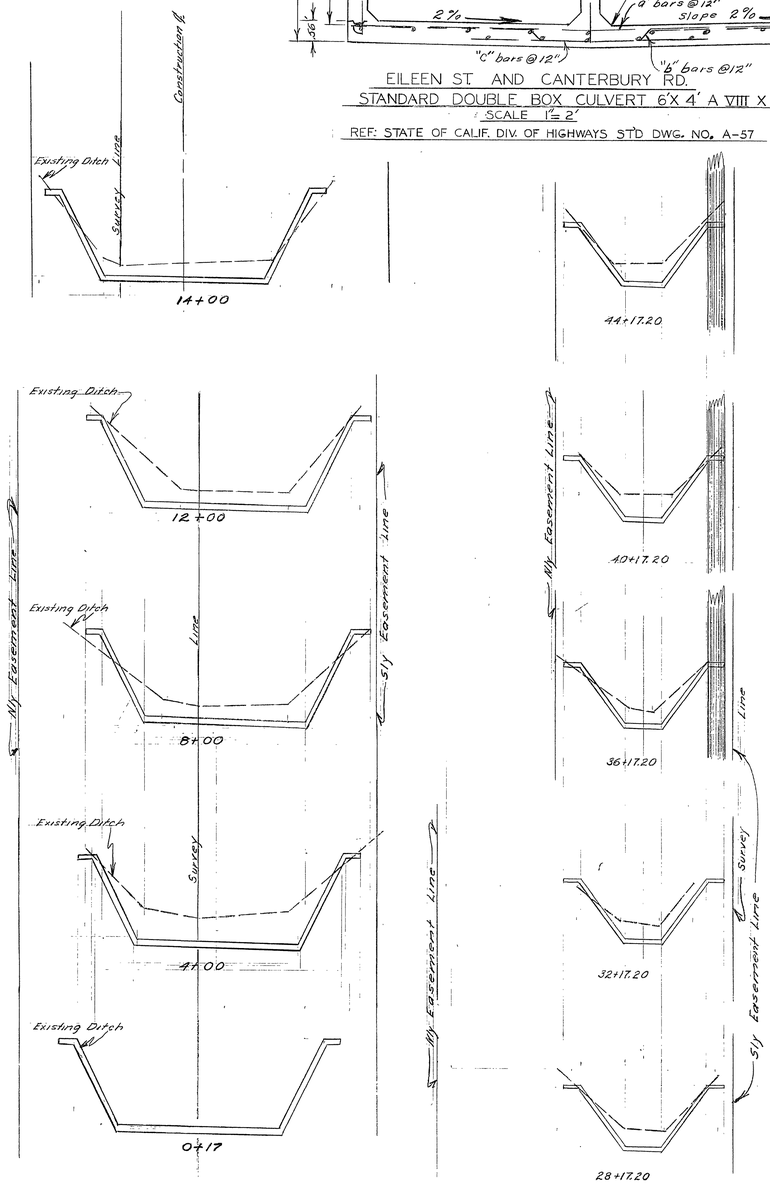
Note:
Provide stubs for 15" R.C.P. during construction of Box Culvert. (See detail of Canterbury Rd.)



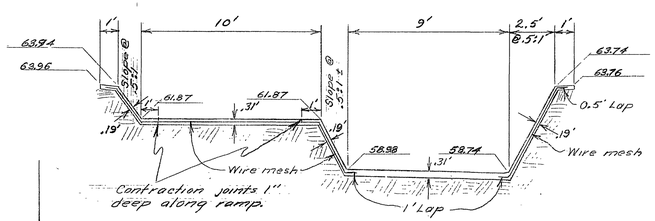
SECTION "A"-"A"
SCALE 1" = 4'
GUNITED DITCH "C"
STA. 0+72



CROSS SECTION OF SIDEWALK ON R.C. BOX
SCALE 1" = 2'



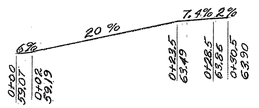
CROSS SECTIONS OF PROPOSED DITCH
SHOWING EXISTING GROUND LINES
SCALE 1" = 4'



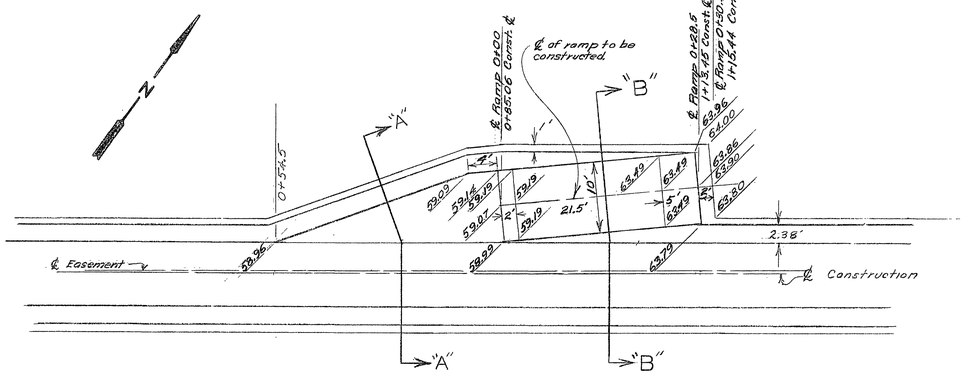
SECTION B-B
SCALE 1" = 4'
STA. 0+15 RAMP
GUNITED DITCH "C"

Notes:

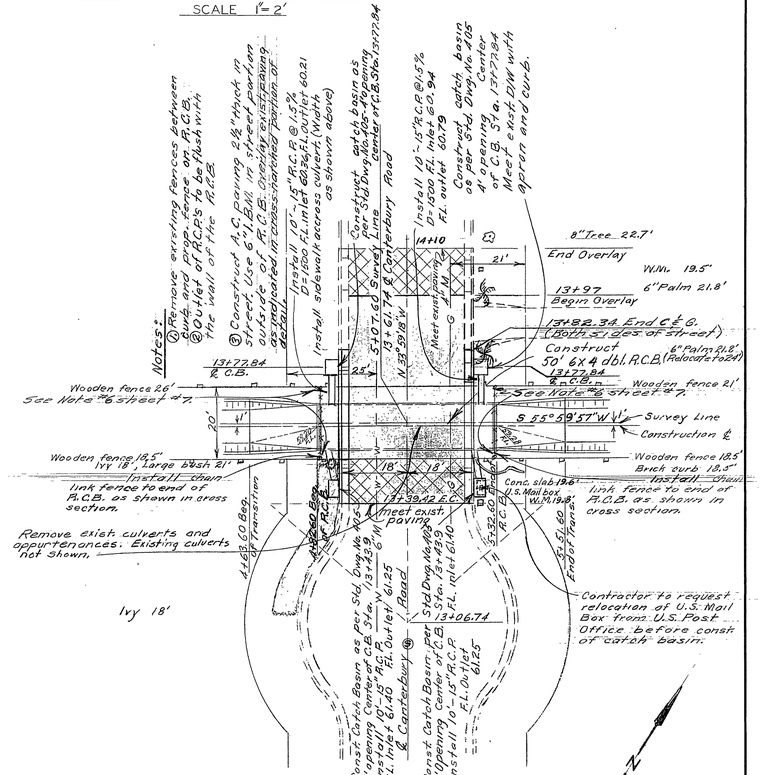
1. Floor of ramp shall be 3 5/8" thick class C concrete reinforced with 4"X4" No. 10 gauge wire mesh.
2. Walls of ramp and ditch shall be 2 1/4" thick gunite reinforced as above with 1 ft. lap of mesh at floor and 0.5 foot lap at top.
3. Floor of ramp shall be broom finished for maximum traction.



PROFILE OF RAMP



DETAIL OF RAMP
SCALE 1" = 10'



CANTERBURY ROAD
DETAIL FOR R.C.B.
SCALE: 1" = 20'
SEE PROFILE ON SHEET 1

REVISIONS		
MARK	DATE	DESCRIPTION

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

ARLINGTON-MONROE STORM DRAIN NO. 3

DETAIL SHEET

DESIGNED BY
DRAWN BY V.G.
CHECKED BY GHK
SUBMITTED BY
PUBLIC SERVICE TRAFFIC DIV.
RECOMMENDED BY
ASSISTANT CITY ENGINEER
APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 6-11-64
PROJ. NO. 4001
D-100
SHEET 6 OF 7

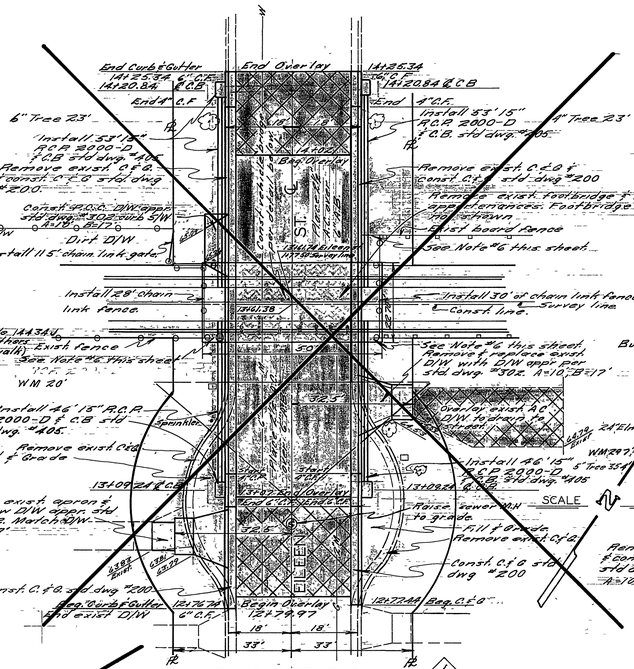
E.P.K. 6-10-64

Notes for Street Details at Right

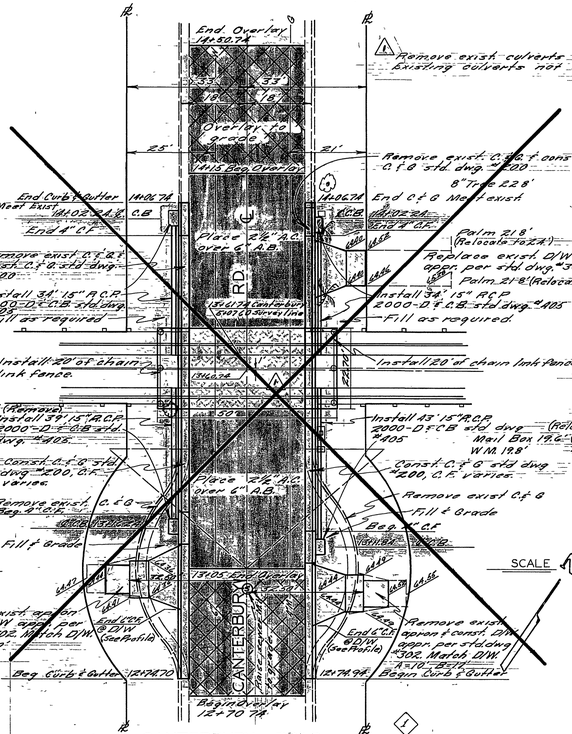
1. Driveways to be located in the field.
2. Remove exist C.&G. within limits of new construction
3. Fill & grade parkways as required to meet new curbs.
4. Construct 4 catch basins std. dwg. #405, 4' opening and 1.5" R.C.P. per profiles sheet #1 & #8.
5. Construct C.&G. per std. dwg. #200, C.F. as required.
6. Install Fence to meet exist fences. Remove exist fences to 25' from street
7. Set post at ends of fences.

Legend:

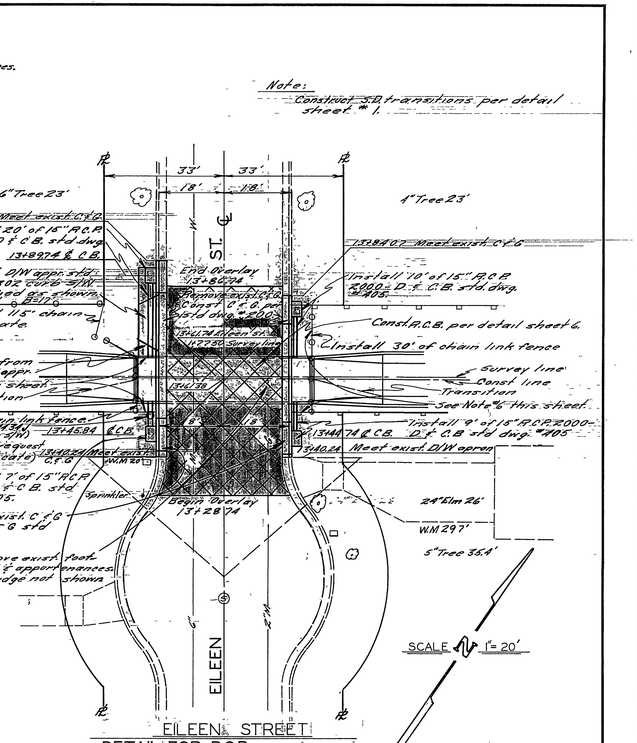
- Place 2½" A.C. over 6" A.B.
- Concrete Construction.
- Overlay concrete cover to grade.
- Overlay R.C.B. to grade
- Overlay exist. paving



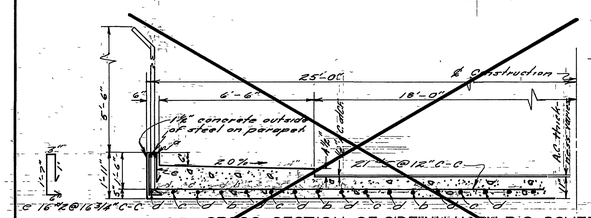
EILEEN STREET
DETAIL FOR COVER (ALTERNATE 2)



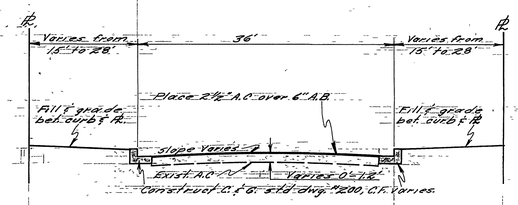
CANTERBURY ROAD
DETAIL FOR COVER (ALTERNATE 2)



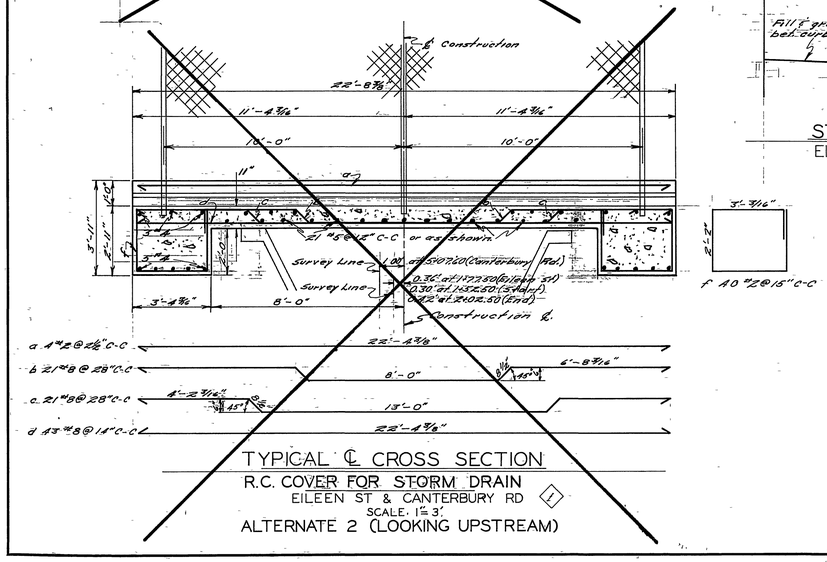
EILEEN STREET
DETAIL FOR RCB



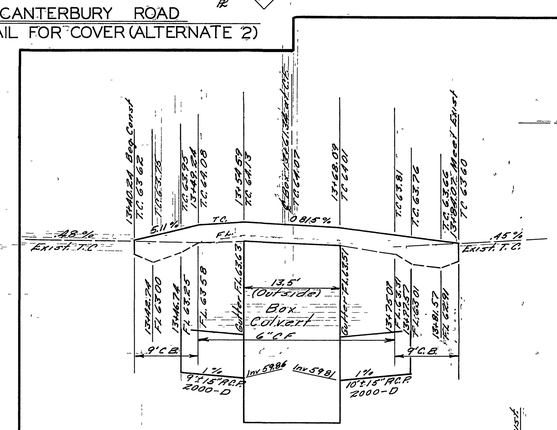
CROSS SECTION OF SIDEWALK ON R.C. COVER
SCALE 1"=3'



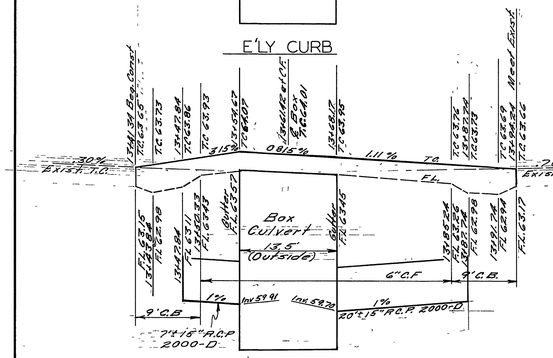
STRUCTURAL CROSS-SECTION
EILEEN STREET & CANTERBURY ROAD
SCALE: 1"=10'



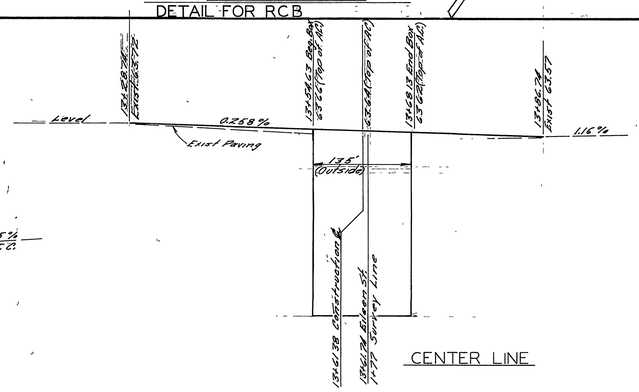
TYPICAL ℄ CROSS SECTION
R.C. COVER FOR STORM DRAIN
EILEEN ST & CANTERBURY RD
SCALE: 1"=3'
ALTERNATE 2 (LOOKING UPSTREAM)



E'LY CURB



W'LY CURB



CENTER LINE

EILEEN STREET PROFILE
R.C.B.
SCALE: HORIZ 1"=10'
VERT 1"=2'

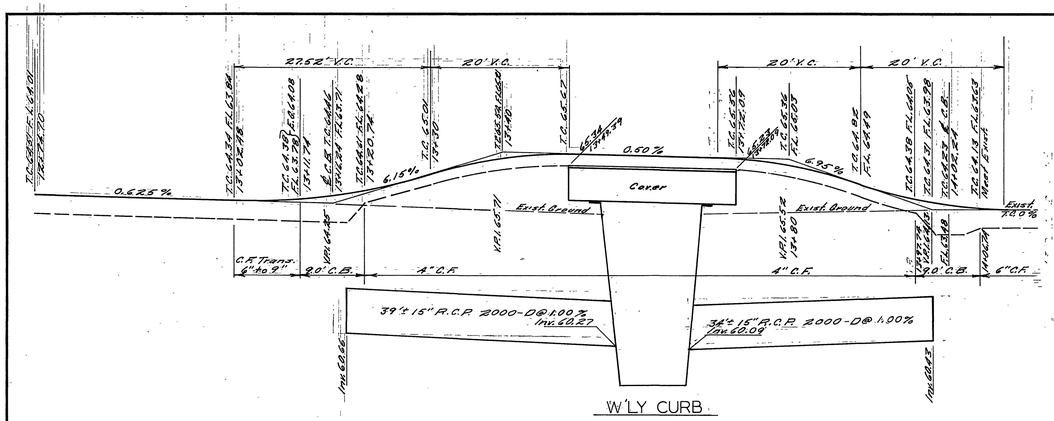
REVISIONS		
MARK	DATE	DESCRIPTION
1	7-22-64	Eliminate Alt. 2 Const.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

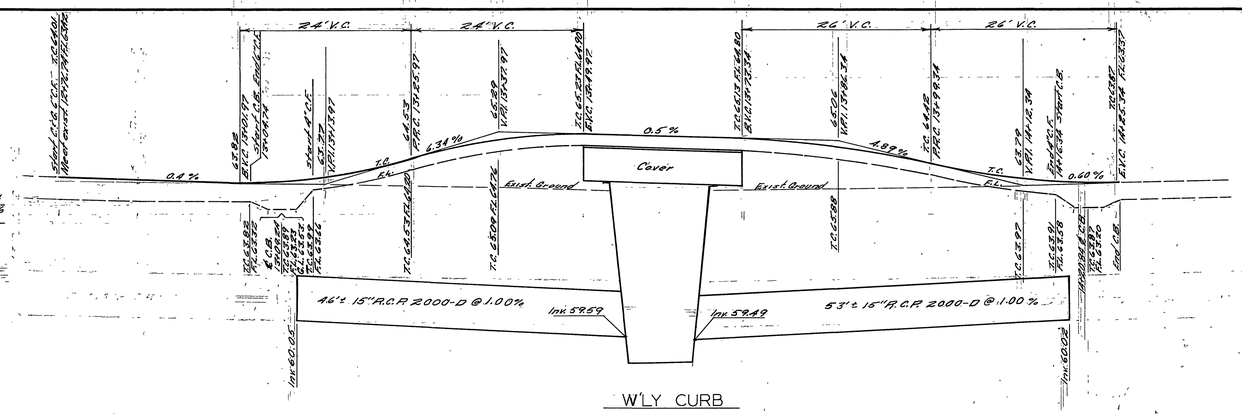
ARLINGTON-MONROE STORM DRAIN NO. 3

DETAIL SHEET

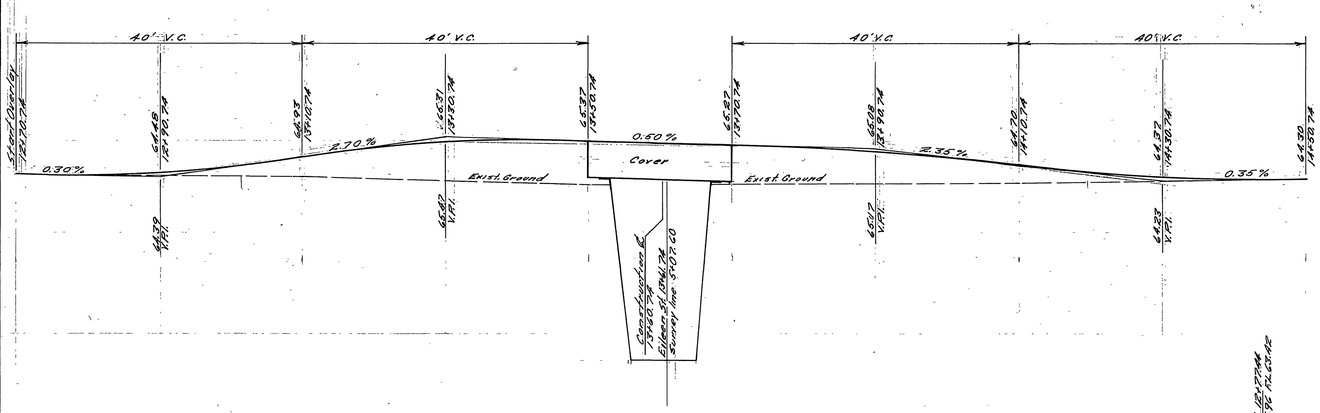
DESIGNED BY
SUBMITTED BY
DRAWN BY
PARK DEPT.
TRAFFIC DIV
CHECKED BY
RECOMMENDED BY
ASSISTANT CITY ENGINEER
APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 6-11-64
PROJ NO 4001
D-100
SHEET 7 OF 7



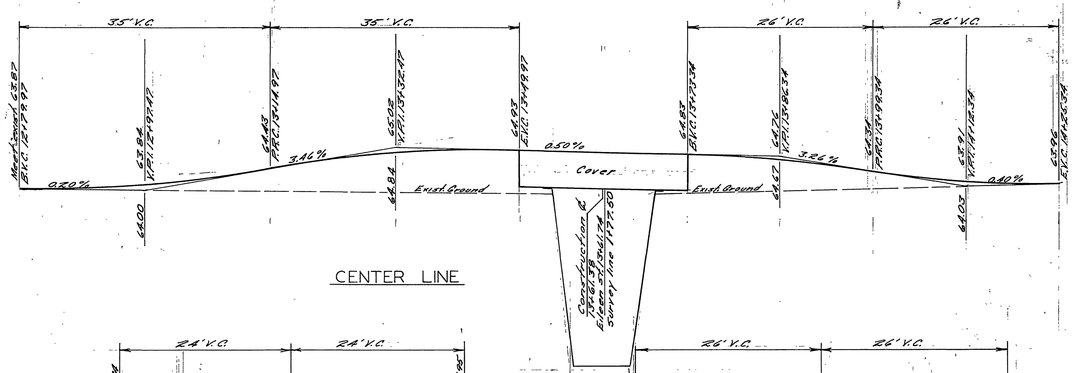
W'LY CURB



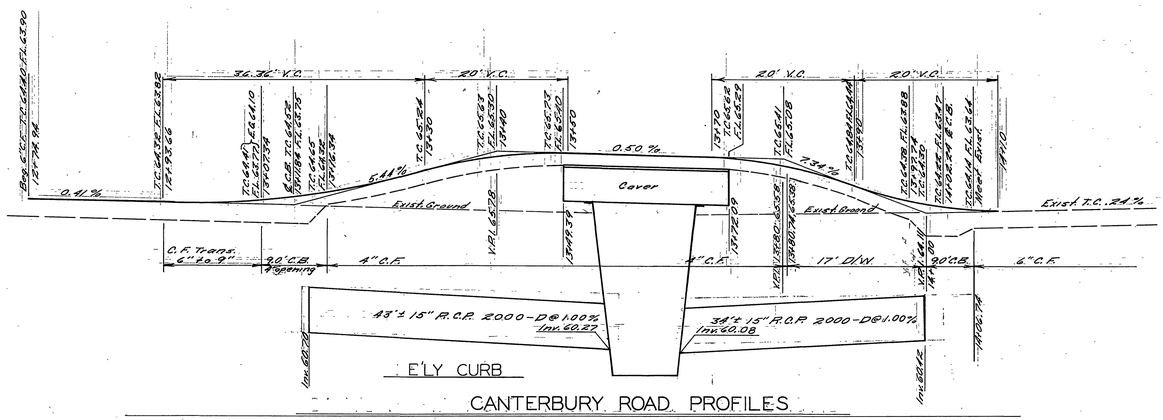
W'LY CURB



CENTER LINE



CENTER LINE

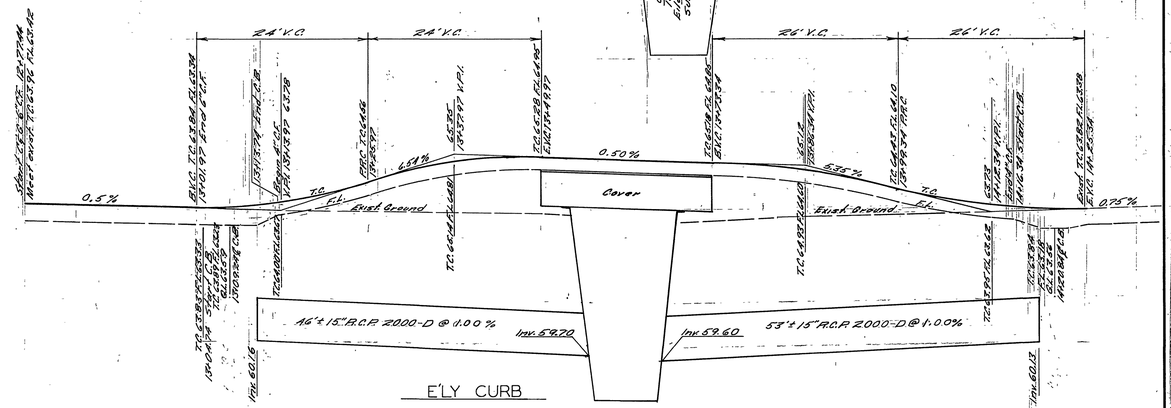


E'LY CURB

CANTERBURY ROAD PROFILES

COVER (ALTERNATE 2)

SCALE: HORIZ 1" = 10'
VERT 1" = 2'



E'LY CURB

EILEEN STREET PROFILES

COVER (ALTERNATE 2)

SCALE: HORIZ 1" = 10'
VERT 1" = 2'

REVISIONS		
MARK	DATE	DESCRIPTION

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

ARLINGTON-MONROE
STORM DRAIN NO. 3

STREET PROFILES

DELETED

DESIGNED BY
DRAWN BY
CHECKED BY
SUBMITTED BY
PARK DEPT. TRAFFIC DIV.
RECOMMENDED BY
ASSISTANT CITY ENGINEER
APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 6-11-64

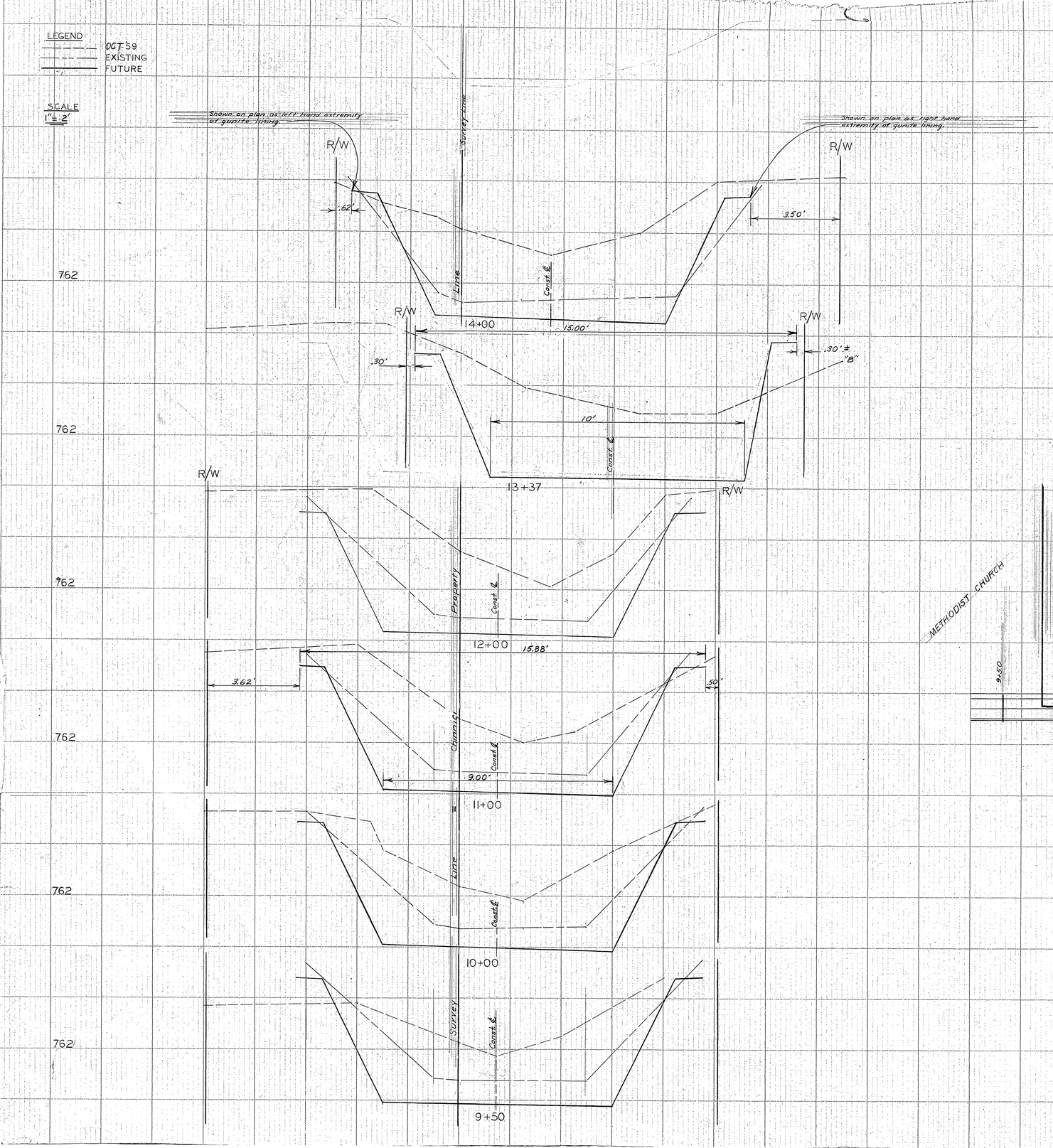
PROJ. NO. 4001

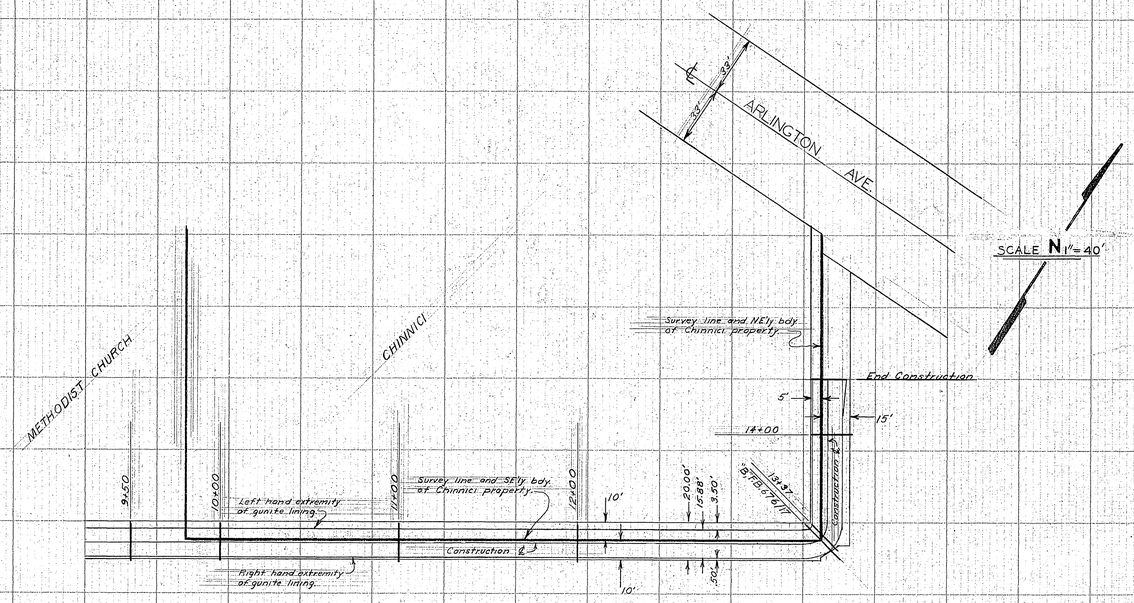
D-100

SHEET 8 OF 8

LEGEND
OCT 59
EXISTING
FUTURE

SCALE
1" = 2'





ARLINGTON — MONROE
STORM DRAIN
AT CHINNICI PROPERTY

D 100

VG
9-24