CALIFORNIA AVENUE

0+40 BEGIN PROJECT

Existing Storm Drain (See Plan D-10)

Existing 5'×10' BOX Storm Drain

0.25%

F.L. 758.46

Existing 10" V.C.P.

Existing Paving ℄

FLOW LINE 5'×10' BOX 0.25%

Existing 8" V.C.P.

REMOVE BRICK & MORTAR BULKHEAD FROM END OF THE EXIST'G S.D.

5'×10' R.C. BOX

CONSTRUCT 5'×10' R.C. BOX STORM DRAIN

CONST. 12" V.C.P. SEWER ℄

311.8'

311.83' 12" V.C.P. SANITARY SEWER 0.56%

PLUG

REMOVE Existing 8" V.C.P.

F.L. 61.70

REMOVE C.I. 121-B1.20

13+34.94 "MOYER LINE

1+27.20

5+07.69

8+36.74

11+62.20

Sewer Outlet F.L. 58.36

SEWER INLET JOIN F.L. 58.44

B.M. 766.36 ▫ ON S.CB. CALIF. ℄ TEE DITCH ℄ CALIF. INTER ℄ TEE DITCH.

F. B. 613/4

SCALE: HOR. 1"=50' VERT. 1"=5'

770 765 760 755

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

ADAMS ST. — EILEEN — CANTERBURY RD. — ST. PAUL PL. — ST. GEORGE PL. — TRACT Moyer Line

6" Water 8'L — 8" Sewer ℄ — 2" Gas 12'R — 4" Gas 12'R — 3" Gas 13'L — 6" Water 8'R — 4" Water 8'R

SEWER HOUSE CONNECTIONS TO BE RELOCATED TO ST. GEORGE PLACE OR LOWERED TO CONNECT TO SEWER IN CALIFORNIA AVENUE. LOCATIONS TO BE MADE IN THE FIELD AT THE TIME OF CONSTRUCTION.

#8045 #8005 #4211 #4191 #8006

CONSTRUCT SPECIAL STORM DRAIN MANHOLE

CONSTRUCT 1-4" V.C.P. HOUSE CONNECTION TO BACK OF SIDEWALK AND PLUG. TO BE LOCATED IN THE FIELD.

NOTE: ALL HOUSE CONNECTIONS UNDER THE STORM DRAIN SHALL BE ENCASED AS PER STANDARD 148 FROM MAIN SEWER TO 1' NORTH OF STORM DRAIN. REINFORCING MAY BE OMITTED.

NOTE: Bend 30" concrete pipe catch basin connections as required to miss power poles and backfill at power poles with Class 'D' concrete as required by the City Light Department. Notify Light Department before excavating near poles.

Flow line elevations for Catch Basins and Catch Basin Connections are shown on sheet 2 by station.

SCALE: 1" = 50'

TYPICAL LAYOUT OF CATCH BASINS & CONNECTIONS

Scale 1" = 20'

CONST. STD. CATCH BASIN AT B.C.R.

5'×10' BOX CULVERT

℄ CALIFORNIA AVE.

℄ CROSS ST.

12" 18" RCP

34" 2'-24" R.C.P.

30° C. PIPE

CONST. STD. CATCH BASIN 140-D WITH 6' OPENING AT B.C.R.

BEND PIPE TO MISS POWER POLE AS NECESSARY

37'+-27" R.C. PIPE

CONST. STD. CATCH BASIN 140-D AT B.C.R.

CONST. STD. CATCH BASIN 140-D AT B.C.R. OR AS SHOWN ON PLAN ABOVE

REVISIONS			CITY OF RIVERSIDE CALIFORNIA
MARK	DATE	DESCRIPTION	DEPARTMENT OF PUBLIC WORKS
			JEFFERSON STORM DRAIN IN CALIFORNIA AVENUE
			BETWEEN ADAMS ST. & JEFFERSON ST.

DESIGNED BY J.L.B. CHECKED BY F.L.

DRAWN BY J.L.B.

RECOMMENDED ASSISTANT CITY ENGINEER

APPROVED DIRECTOR OF PUBLIC WORKS

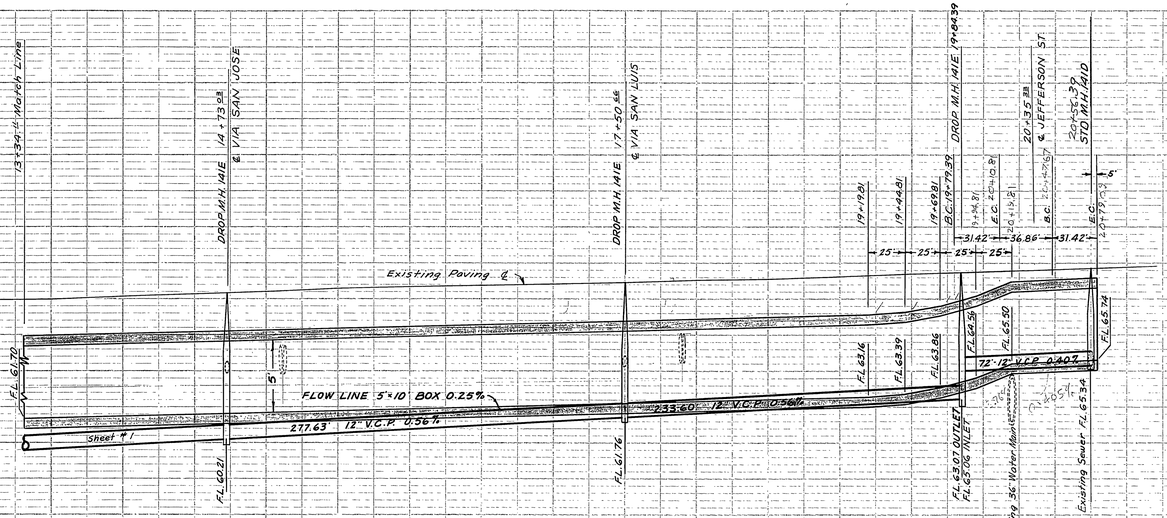
DATE June 5, 1950

D-13

SHEET 1 OF 2

PLATE 1 - PLAN-PROFILE D & P. W.P. STANDARD
STATE OF CALIFORNIA DIVISION OF HIGHWAYS

CALIFORNIA AVENUE



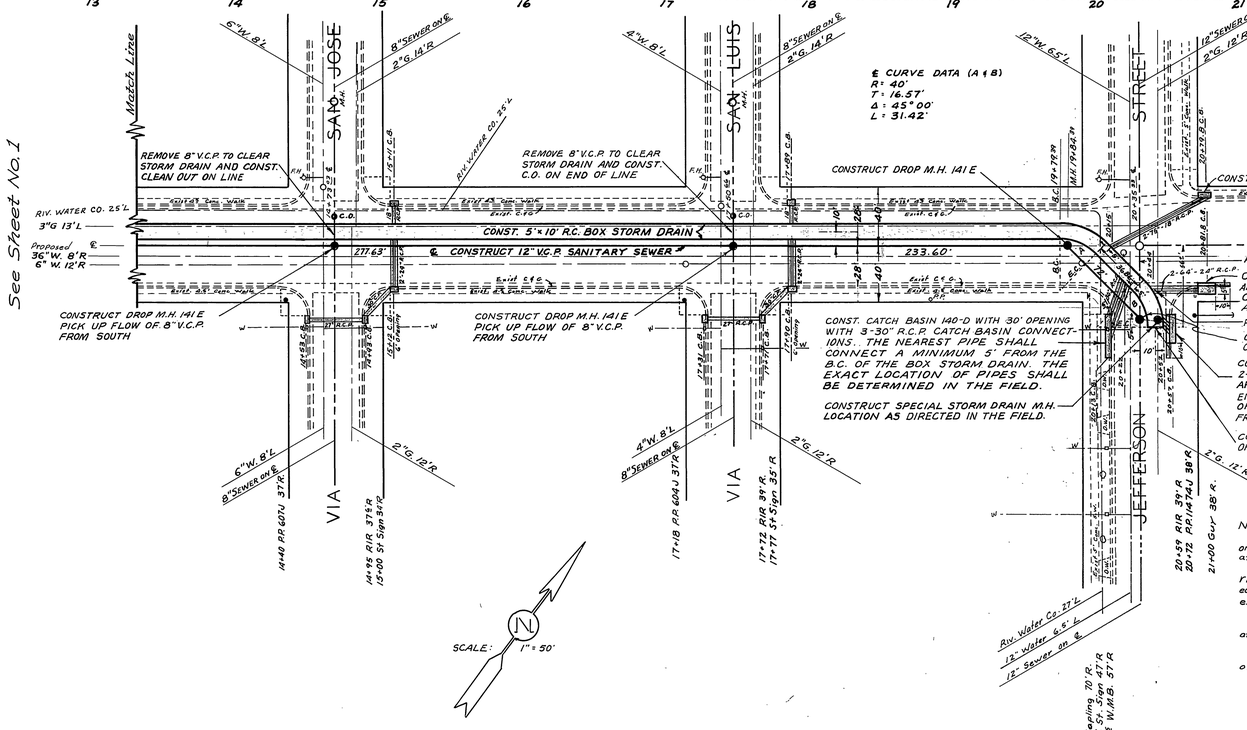
SUMMARY OF DRAINAGE AND DRAINAGE STRUCTURES			
STATION	DESCRIPTION	FLOW LINE ELEVATION INLET	OUTLET
1+48	CONST. *C.B. 140-D *RT.		63.16
1+88	CONST. C.B. 140-D RT.	62.64	62.54
2+09.3	CONST. C.B. 140-D 6' OPENING RT.	62.15	62.05
2+09.3	24" *R.C.P. CONNECTIONS TO *S.D. BOX RT.	61.58	
2+17.9	CONST. C.B. 140-D *LT.		62.64
2+17.9	18" R.C.P. CONNECTION TO S.D. BOX LT.	62.20	
4+84	CONST. C.B. 140-D RT.		63.67
5+24	CONST. C.B. 140-D RT.	63.27	63.17
5+45.5	CONST. C.B. 140-D 6' OPENING RT.	62.88	62.78
5+45.5	24" R.C.P. CONNECTIONS TO S.D. BOX RT.	62.42	
5+46.1	CONST. C.B. 140-D LT.		63.59
5+46.1	18" R.C.P. CONNECTION TO S.D. BOX LT.	63.03	
8+16	CONST. C.B. 140-D RT.		64.58
8+56	CONST. C.B. 140-D RT.	64.15	64.05
8+77.2	CONST. C.B. 140-D 6' OPENING RT.	63.73	63.63
8+77.2	24" R.C.P. CONNECTIONS TO S.D. BOX RT.	63.24	
8+77.2	CONST. C.B. 140-D LT.		64.41
8+77.2	18" R.C.P. CONNECTION TO S.D. BOX LT.	63.85	
11+41	CONST. C.B. 140-D RT.		65.49
11+81	CONST. C.B. 140-D RT.	65.02	64.92
12+02.7	CONST. C.B. 140-D 6' OPENING RT.	64.58	64.48
12+02.7	24" R.C.P. CONNECTIONS TO S.D. BOX RT.	64.06	
12+15.2	CONST. C.B. 140-D LT.		65.25
12+15.2	18" R.C.P. CONNECTION TO S.D. BOX LT.	64.69	
14+53	CONST. C.B. 140-D RT.		66.52
14+93	CONST. C.B. 140-D RT.	65.96	65.86
15+12	CONST. C.B. 140-D 6' OPENING RT.	65.45	65.35
15+12	24" R.C.P. CONNECTIONS TO S.D. BOX RT.	64.84	
15+11	CONST. C.B. 140-D LT.		66.01
15+11	18" R.C.P. CONNECTION TO S.D. BOX LT.	65.45	
17+31	CONST. C.B. 140-D RT.		67.11
17+71	CONST. C.B. 140-D RT.	66.59	66.49
17+90	CONST. C.B. 140-D 6' OPENING RT.	66.11	66.01
17+90	24" R.C.P. CONNECTIONS TO S.D. BOX RT.	65.59	
17+89	CONST. C.B. 140-D LT.		66.71
17+89	18" R.C.P. CONNECTION TO S.D. BOX LT.	66.15	
20+13	CONST. C.B. 140-D 30' OPENING RT.		67.85
20+15	2-18" R.C.P. CONNECTIONS TO S.D. BOX LT.	67.19	
20+22	3-30" R.C.P. CONNECTIONS TO S.D. BOX RT.	67.25	
20+44	2-24" R.C.P. CONNECTIONS TO S.D. BOX RT.	68.26	
20+52	2-30" R.C.P. CONNECTIONS TO S.D. BOX RT.	67.79	
20+57	CONST. C.B. 140-D 20' OPENING RT.		68.00
20+79.8	CONST. C.B. 140-D 8' OPENING LT.		67.97
20+81.8	CONST. C.B. 140-D 12' OPENING RT.		68.61

* C.B. - CATCH BASIN S.D. - STORM DRAIN
R.C.P. - REINFORCED CONCRETE PIPE
RT. - RIGHT
LT. - LEFT

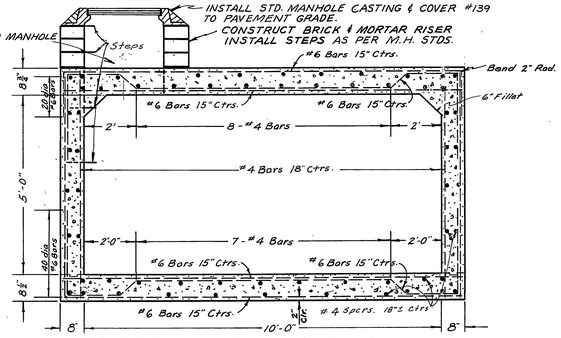
B.M. 771.47 S.&L. NW. CB. RET. CALIF. & JEFFERSON.

F.B. 613/5

SCALE: HOR. 1" = 50'
VERT. 1" = 5'



INSTALL REINFORCING STEEL AROUND MANHOLE OPENING AS DIRECTED IN THE FIELD



CROSS SECTION 5'×10' R.C. BOX STORM DRAIN & SPECIAL MANHOLE DETAIL
Scale: 1" = 20'

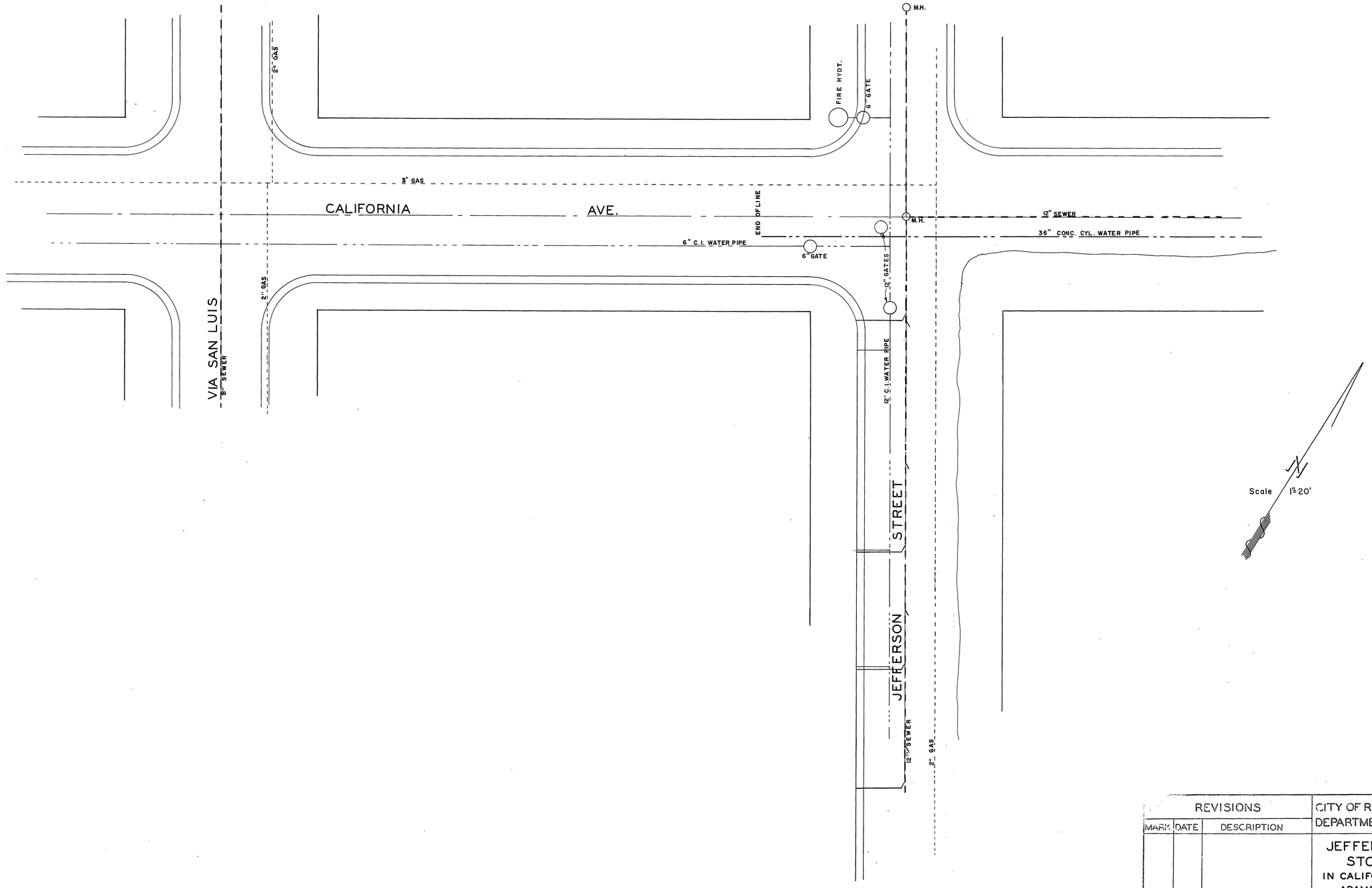
NOTE:
All curb & gutter, sidewalk, P.M. berm, pavement, etc., damaged or removed by the Contractor shall be replaced by the Contractor, at no extra cost to the City.
It shall be the responsibility of the contractor to clear the right-of-way in accordance with the provisions of law as it effects each utility, including irrigation lines and appurtenances, and at no extra cost to the City.
Top of curb grades shall be furnished by the City, as required, at time of construction.
The Water Department should be contacted as to disposition of the proposed 36" Water Main.

REVISIONS			CITY OF RIVERSIDE CALIFORNIA
MARK	DATE	DESCRIPTION	DEPARTMENT OF PUBLIC WORKS
	6-7-57	SPECIAL S.D. MANHOLE DETAIL	

JEFFERSON STORM DRAIN IN CALIFORNIA AVENUE
BETWEEN ADAMS ST. & JEFFERSON ST.

DESIGNED BY J.L.B. CHECKED BY F.L.
DRAWN BY J.L.B.
BY Francis A. Lafler CITY ENGINEER
APPROVED BY D. Martinez DIRECTOR OF PUBLIC WORKS
DATE June 5, 1957

D-13
SHEET 2 OF 2



REVISIONS			CITY OF RIVERSIDE CALIFORNIA
MARK	DATE	DESCRIPTION	DEPARTMENT OF PUBLIC WORKS
			JEFFERSON STREET STORM DRAIN IN CALIFORNIA AVE. BETWEEN ADAMS AND JEFFERSON
DESIGNED BY	CHECKED BY		APPROVED BY
DRAWN BY B.L.			DIRECTOR OF PUBLIC WORKS
RECOMMENDED BY ASSISTANT CITY ENGINEER			DATE
			D-13
			SHEET