EXISTING C.M. CULVERT
48" ϕ x 50' LONG
N 23433.0 W 13470.65

JUNCTION CHAMBER
13449.18 W

JUNCTION CHAMBER
23+00.0 N
13+00.0 W

FLOOD DRAIN 7 22+60.0 N

HEAD WALL

8TH ST

CANYON CREST DRIVE

STATE HIGHWAY (COOK SPRINGS ROAD)

TENNIS COURTS

GYMNASIUM

POOL

SOCIAL SCIENCES

LIBRARY

PHYSICAL SCIENCE

LIFE SCIENCE

20+00 N

15+00 W

10+00 W

5+00 W

0+00 E

5+00 E

10+00 E

25+00 N

20+00 N

15+00 N

10+00 N

KEY PLAN

LIMITS OF CITY OF RIVERSIDE
EIGHTH AVE
IOWA ST
STATE HIGHWAY
CANYON CREST DR
LINDEN ST
CHICAGO ST
UNIVERSITY OF CALIFORNIA AT RIVERSIDE
COOK SPRINGS RD
N
SCALE 1" = 3000'

SCALE 1" = 100'

NORTH

CHECKED AND APPROVED

	DATE
ARCHITECTURAL	4/18/52
ELECTRICAL	
MECHANICAL	
PRINCIPAL ARCHITECT	4/18/52

UNIVERSITY of CALIFORNIA
OFFICE OF
ARCHITECTS AND ENGINEERS
L.A. ANGELES CAMPUS

NO	DATE	REVISIONS

BARNETT, HOPEN & SMITH
CIVIL ENGINEERS
35 S RAYMOND, PASADENA 1

DRAWN BY FB DBH
TRACED BY DBH
CHECKED BY FB

DATE APRIL 18, 1952

FLOOD DRAIN ATHLETIC FIELD AREA - SITE PLAN

UNIVERSITY OF CALIFORNIA, RIVERSIDE CAMPUS
COLLEGE OF LETTERS & SCIENCES
RIVERSIDE CALIFORNIA

FRED BARLOW, JR. LANDSCAPE ARCHITECT
3444 WEST FIRST STREET LOS ANGELES 4 CALIF

SHEET NO. 1

3679

D-70

PLATE 1 PLAN PROFILE O P R R C STANDARD
KUFFEL & ESSER CO NEW YORK

K & E CO No 347-IR MADE IN U.S.A. 3x4x4

PROFILE
SCALE V. 1"=5' H. 1"=50'
NOTE BOOK
NO

PLAN
SCALE 1"=50'
NOTE BOOK
NO

Future Ground Surface along ℄ Storm Drain

Future Pave along ℄ Storm Drain

Existg 39" R.C.P.

Existg 8" S.D.

Exists. 8" S.D. Regraded As Req.

12" conc W.F. line

15" SEWER

8" transite

24" conc pipe

0.708%

684.11

24" conc. pipe 0.50%

199.33

8" transite Wtr

8" SEWER

12" transite Wtr

24" conc. pipe

684.11

N 29°34'30" E

277.00

N 71°33'54" W 9.49

N 0°10'45" W 192.00

Existg M.H. Rim Elev. 1023

Existg 48" C.M.P.

CANYON CREST STREET

EIGHTH

15" C. W.F. line

See Detail "A"

See Detail "B"

See Detail "B"

DETAIL "A"
Scale - 1"=20'

DETAIL "B"
Scale - 1"=20'

NOTES:
It shall be the responsibility of the Contractor to make adjustments in grade on the storm drain to avoid interference with any other existing utilities in the construction area

CONTRACTORS "AS BUILT"

Revised to "As Built" 11-21-61

REVISIONS	DATE	BY
12" conc pipes into M.H. #2 Grade corrected on Plan	5-30-61	REC
Manhole No 1 Relocated - Grades Revised	2-23-61	REC
Manhole No 1 Raised - Grades Revised	1-27-61	REC

UNIVERSITY OF CALIFORNIA AT RIVERSIDE

PROJECT NO 905010

PLAN AND PROFILE

18" & 24" STORM DRAIN

SCALE 1"=50'	W.O. 60-149
DATE 12-27-60	SHEET D-1
DRAWN REC	OF 2 SHEETS
TRACED	DWG. NO. 60-149 D
CHECKED	
F.B. 425	

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE CALIFORNIA

F-36
D-70

PLATE 1 PLAN PROFILE O F R & R E STANDARD

KUFFEL & ESSER CO NEW YORK

K & E CO NO 347-IR ® KEUFFEL & ESSER CO MADE IN U.S.A. 3457O

PROFILE

SURVEYED
PLOTTED
CHECKED
QUANTITIES CHECKED
B. M.'S NOTED
STRUCTURE MYIATIS CH KD

NOTE BOOK
NO

BY

DATE

1065
1060
1055
1050
1045
1040
1035

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

Existing Ground on ℄ Proposed Storm Drain Channel

Flow Line of Proposed Storm Drain Channel

2.16%

0.936%

Road to Health Center Bldg.

20' conc. Encasement See Detail

38" cone Culv

Class "C" concrete

ENCASEMENT DETAIL

N3 3 Bars 18" o.c. both ways

1056.00 Top

1054.50 F.L.

12" conc pipe

Grating made up 1/4" x 2" steel bars at 1 1/4" centers 2 - 1/2" steel bolts and 3/4" x 3/4" pipe spacers Angle Frams (4 sides) 2 1/2" x 2 1/2" x 3/8" Grate and Frame to be galvanized Catch Basin to conform to Riverside County Std. No. 19

NO. 1 CATCH BASIN DETAIL

146.60 ± 1061.22 F.L. Existg CMP

N 0°00'15" W

55'

1056.00 Top Catch Basin
1054.50 F.L. Outlet

No 1 Catch Basin

Abandon existg 12" CMP & const Catch Basin at site of inlet end of 12" CMP

12" CMP to be abandoned

Existg 00 ±

35' 12" conc pipe

1054.00 F.L. 12" conc pipe

4" Water Line

2" Gas Line

Contractor shall relocate existing Blow-Off to drain into storm channel at same elevation as 4" Water Line

Cat h Basin Co Std #21 1053.14 Top 1052.64 F.L.

98.50

Catch Basin Co Std #21 1052.14 Top 1052.00 F.L.

N 55°50'56" W

36" 28" conc pipe

Gate Valve

1051.80 F.L. 12" Culvert

1049.80 F.L. 12" Culvert

1050.48 F.L. 12" Culvert

℄ Relocated Storm Drain Channel

Approximate Location of existing Storm Drain Channel - Contractor shall regrade as necessary to meet Relocated Storm Drain Channel

72" conc Culvert & Headwalls

Elect & Tele Conduits

20' conc Encasement over existing 8" V.C.P. See Detail.

8" V.C.P. San Sewer

N 89°59'45" W

Existg 12" conc pipe

Existg 38" conc Culvert

0+00.00 ± 1038.39 F.L. Existg CMP

2:1 Max

6'-0"

3'-0"

3'-0"

2:1 Max

TYPICAL SECTION STORM DRAIN CHANNEL

PLAN

SURVEYED
PLOTTED
CHECKED
QUANTITIES CHECKED
B. M.'S NOTED
STRUCTURE MYIATIS CH KD

NOTE BOOK
NO

BY

DATE

REVISIONS	DATE	BY

UNIVERSITY OF CALIFORNIA AT RIVERSIDE

PROJECT NO 905010

OLIVE AVE. PROFILE

STORM DRAIN CHANNEL

SCALE 1"=20'	W.O. 61-95
DATE 7-21-61	SHEET D-1
DRAWN RE	OF 2 SHEETS
TRACED	DWG. NO. 61 9-0
CHECKED	
F.B.	

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE CALIFORNIA

D-70

PLATE 1 PLAN PROFILE O P R R E STANDARD
KEUFFEL & ESSER CO., NEW YORK
K & E Co No 347-IR MADE IN U.S.A. 340M

PROFILE
SCALE: 1" = 50' H; 1" = 5' V
NOTE BOOK NO. ——
PLAT ——
SHEET ——

PLAN
SCALE: 1" = 50'
NOTE BOOK NO. ——
PLAT ——
SHEET ——

Future Pave along Storm Drain

1050
1045
1040
1035
1030

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

10+39.60 Top of Manhole
1032.93 F.L.
11+37.41
12+71.95 N.
16+63.30 W.
594.27
24" conc. pipe
0.5%
10+42.50 Top of Manhole
1038.16 F.L.
203.27
24" conc. pipe
0.5%
10+77.70 Top of Manhole
1041.63 F.L.
461.17
18" conc. pipe
0.50%
10+23.66 Top of Manhole
1042.64 F.L.
10+46.90 Top of Manhole
1046.90 F.L.
10+35.50 F.L.
10+88.81 F.L.
10+27.15 F.L.
10+66.22 F.L.
10+76.90 F.L.
10+23.66 F.L.
12" conc. pipe
18" conc. pipe
24" conc. pipe
24" conc. pipe
Manhole
Manhole
Manhole