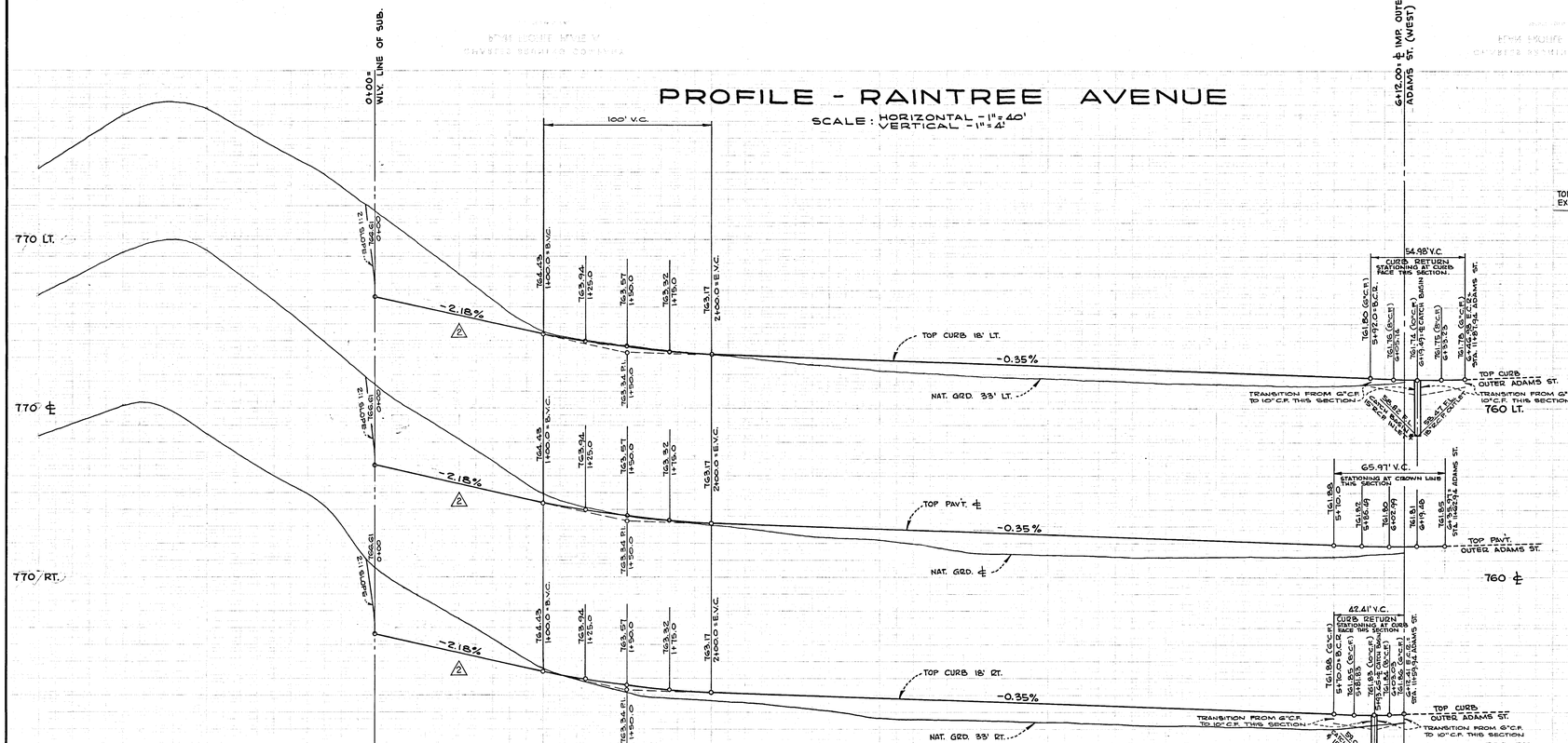
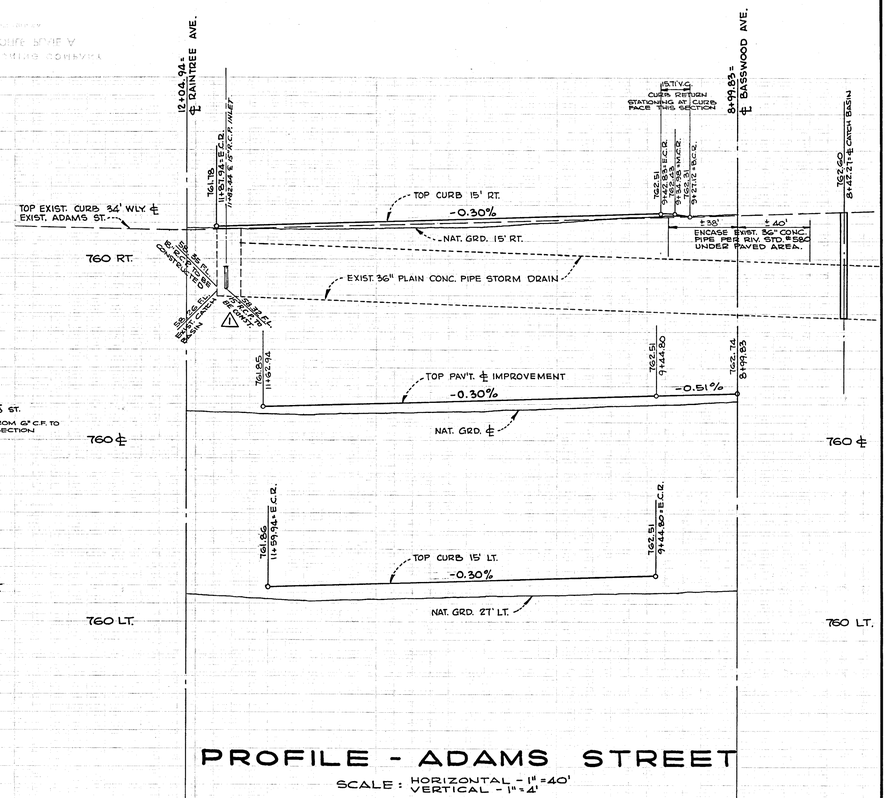
PROFILE - RAINTREE AVENUE

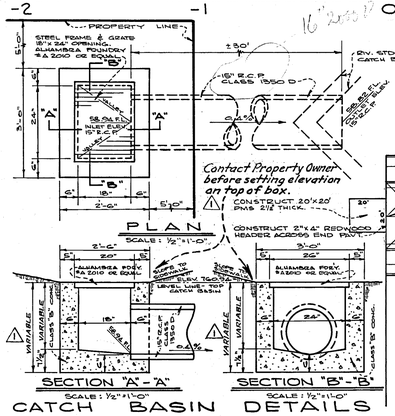
SCALE: HORIZONTAL - 1" = 40'
VERTICAL - 1" = 4'



PROFILE - ADAMS STREET

SCALE: HORIZONTAL - 1" = 40'
VERTICAL - 1" = 4'





HYDRAULIC CALCULATIONS FOR RAINTREE STORM DRAIN

DRAINAGE AREA = 5 ACRES
Q = CIA
= .55 x 1.25 x 5.0
= 3.44 C.F.S.

MANNING FORMULA: $Q = \frac{0.463}{n} d^{8/3} s^{1/2}$

n = .012
d = 1.25 $d^{8/3}$ = 1.81
s = .008 $s^{1/2}$ = .089

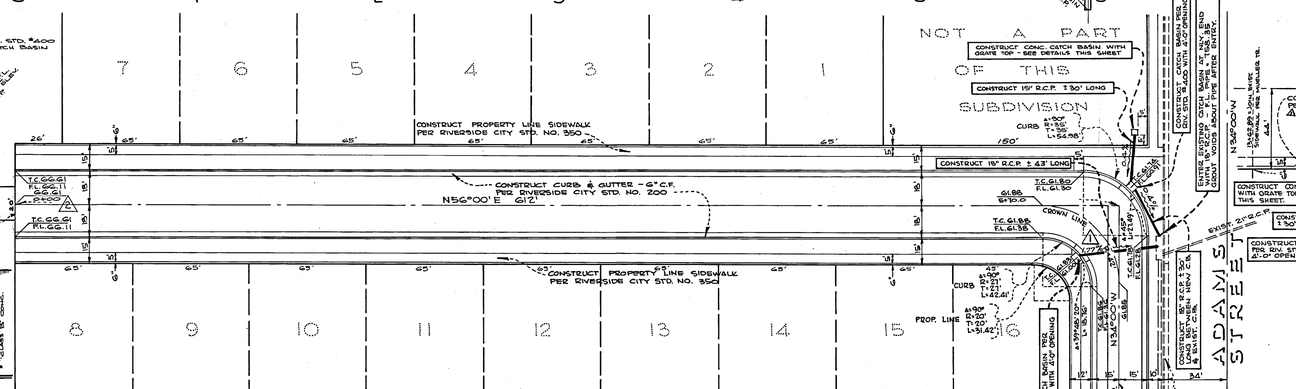
$Q = \frac{0.463}{.015} \times 1.81 \times .089$
= 6.22 C.F.S.
USE 15" I.D. CLASS 1350 D REINFORCED CONC. PIPE

n = .012
d = 1.50 $d^{8/3}$ = 2.95
s = .004 $s^{1/2}$ = .065

$Q = \frac{0.463}{.015} \times 2.95 \times .065$
= 7.17 C.F.S.
USE 15" I.D. CLASS 1350 D REINFORCED CONC. PIPE

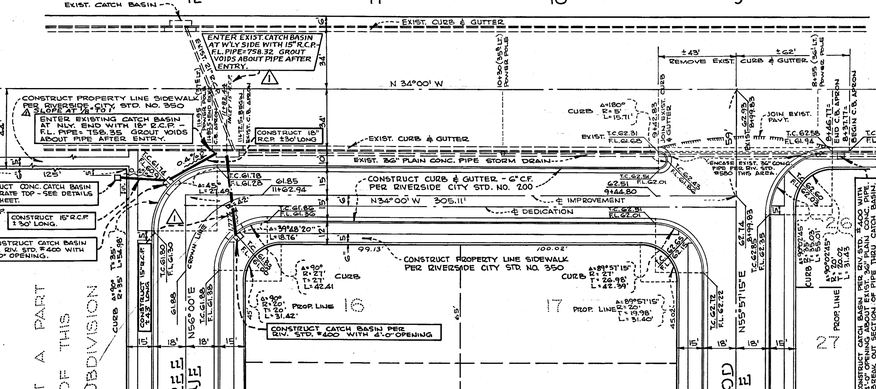
PLAN - RAINTREE AVENUE

SCALE: 1" = 40'



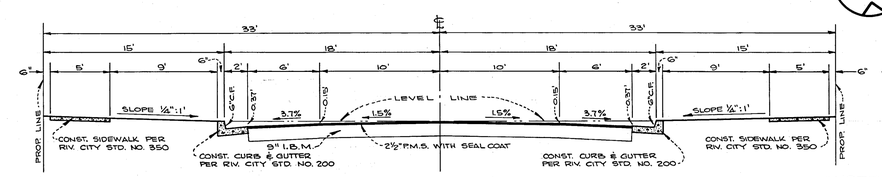
PLAN - ADAMS STREET

SCALE: 1" = 40'



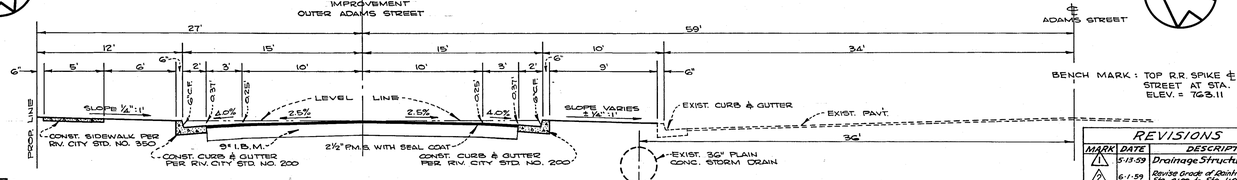
TYPICAL SECTION THRU RAINTREE AVENUE & BASSWOOD AVENUE

SCALE: 1" = 6'



TYPICAL SECTION THRU ADAMS STREET

SCALE: 1" = 6'



NOTE:
IF SUBDIVIDER DESIRES TO REDUCE REQUIREMENTS ON IMPORT BASE MATERIAL, ADDITIONAL SOIL TESTS MAY BE TAKEN AT SUBDIVIDER'S EXPENSE AFTER STREETS ARE PREPARED TO ROUGH GRADE. SUBDIVIDER WILL CONTACT INSPECTION DIVISION, CITY OF RIVERSIDE, BEFORE TAKING TESTS - THE CITY OF RIVERSIDE WILL MAKE A TEST OF BASE MATERIAL IN PLACE, BEFORE PAVING CAN BE INSTALLED, RESULTS OF THIS TEST MUST INDICATE THAT THE BASE MATERIAL IS SATISFACTORY TO THE INSPECTION DIVISION.

BENCH MARK: TOP R.R. SPIKE ℄ ADAMS STREET AT STA. 7+41.83
ELEV. = 763.11

16" 2000D nonreinforced 6/29/59 wdg

Maxwell Surveying
LS 2788
Approved by W. R. Maxwell Date Apr. 1, 1959

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

Riverside Ranchos No. 1
STREET PLANS & PROFILES
ADAMS STREET
RAINTREE AVENUE

Scale Horz. 1"=40' Vert. 1"=4'

Approved by
Director of Public Works
Date May 6, 1959

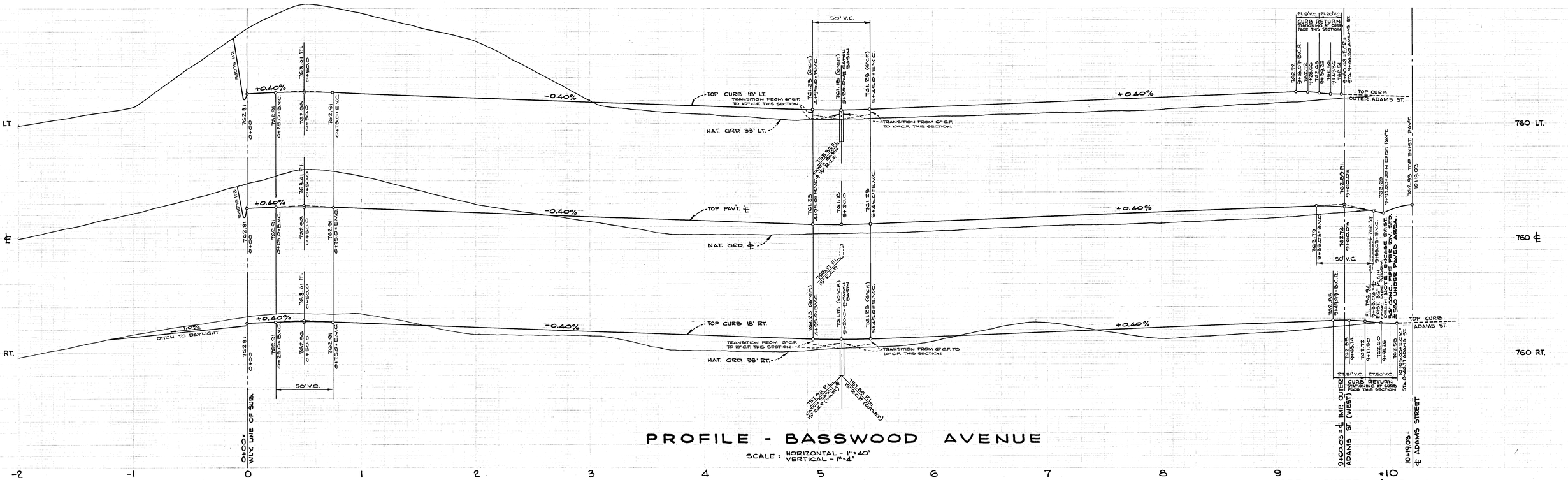
NO. R-282

Sheet 1 of 2

REVISIONS		
MARK	DATE	DESCRIPTION
1	5-13-59	Drainage Structures, H.Batt W.D.G.
2	6-1-59	Revise Grade of Raintree Ave., Sta. 0+00 to Sta. 1+00

wdg

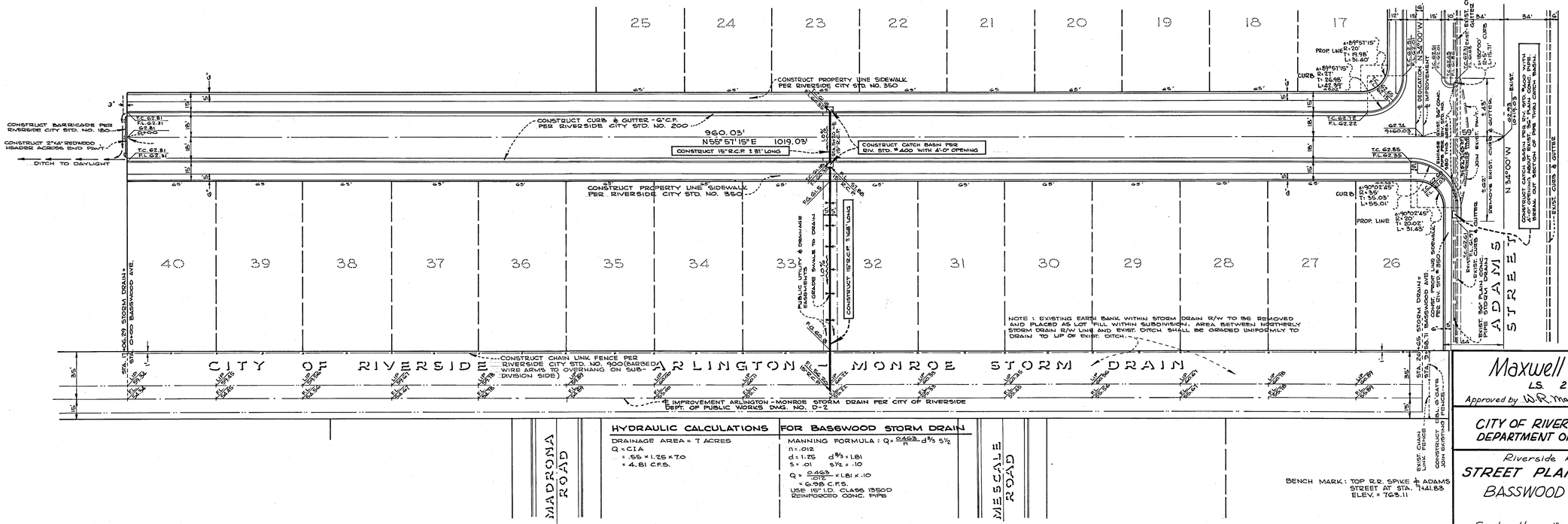
INDEXED 1959



PROFILE - BASSWOOD AVENUE

SCALE : HORIZONTAL - 1"=40'
VERTICAL - 1"=4'

SEE SHEET NO. 1



HYDRAULIC CALCULATIONS FOR BASSWOOD STORM DRAIN

DRAINAGE AREA = 7 ACRES

$Q = CIA$

$= .55 \times 1.25 \times 7.0$

$= 4.81$ C.F.S.

MANNING FORMULA : $Q = \frac{0.463}{n} d^{8/3} S^{1/2}$

$n = .012$

$d = 1.25 \quad d^{8/3} = 1.81$

$S = .01 \quad S^{1/2} = .10$

$Q = \frac{0.463}{.012} \times 1.81 \times .10$

$= 6.98$ C.F.S.

USE 15" I.D. CLASS 1350D REINFORCED CONC. PIPE

PLAN - BASSWOOD AVENUE

SCALE : 1"=40'

Maxwell Surveying
LS. 2788
Approved by W.R. Maxwell Date Apr. 1, 1959

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

Riverside Ranchos No. 1

STREET PLANS & PROFILES

BASSWOOD AVENUE

Scale Horz. 1"=40' Vert. 1"=4'

Approved by
Director of Public Works
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NO. R-282

Sheet 2 of 2

INDEXED 1959