SPRINGBROOK CHANNEL. ℄

FAIRMOUNT BLVD. ℄

0+64.66

2+73.61

801.5 RIM ELEV.

PROPOSED 4 CELL BOX CULVERT SEE D-693

PROPOSED SURFACE OVER PIPE 801.5 ELEV.

HGL

6' C.L. FENCE

800 / 798 / 796 / 794 / 792 / 790

798.37 HGL

797.58 W.S.

90.49 ft.

ELEV. "S" 91.88

ELEV. "R" 91.89

S=0.0050

0+64.66
94.05 F.L.
15" LATERAL

2+81.31
95.15 F.L.
15" LATERAL

S=0.0050

S=0.0050

S= 0.0853

EXIST. 6'W x 3'H R.C.B.

Q_{100} = 100 C.F.S.
Q IS BASED ON THE CAPACITY OF THE EXISTING CHANNEL.

0+31.41 END JUNCTION STRUCTURE 91.88 F.L.

0+34.81 B.C. 91.91 F.L.

0+56.80 E.C. 92.02 F.L.

0+61.91 F.L. 92.05 F.L.

0+67.41 F.L. 92.08 F.L.

2+70.86 93.10 F.L.

2+76.36 93.12 F.L.

5+09.69 END 48" R.C.P. JOIN TRANSITION STRUCTURE 94.31 F.L.

5+23.11 END TRANSITION STRUCTURE JOIN EXIST. 6'W x 3'H R.C.B. (95.37 F.L.)

Q_{100} = 95 CFS
V = 7.6 FPS

CONST. 30.50 L.F. OF 48" R.C.P., D-1400, WITH CASE I BEDDING
Q_{100} = 100 CFS
V = 8.0 FPS

CONSTRUCT 203.15 L.F. OF 48" R.C.P., D-1400 WITH CASE I BEDDING

Q_{100} = 90 CFS
V = 7.2 FPS

CONSTRUCT 233.33 L.F. OF 48" R.C.P., D-1400 WITH CASE I BEDDING

0 1 2 3 4 5 6

BENCHMARK:

B.M. NO. J7-J2
P.K. NAIL IN THE NORTH "CB" OF STRONG STREET, 90 FEET EASTERLY OF THE CENTERLINE OF MAIN STREET.
ELEV. - 807.185

816 814 812 810 808 806 804 802 800 798 796 794 792

820 818 816 814 812 810 808 806 804 802 800 798 796

S63°46'44"E

8.96'

94.11 F.L.

45°

STATE R/W

S64°24'51"E

S64°10'05"E

℄ 48" R.C.P.

20' STORM DRAIN EASEMENT

8.03'

45°

95.21 F.L.

S65°01'01"E

STATE R/W

S64°43'18"E

N87° 35' 01" E 34.81'

17

0+56.80 E.C. N25°35'09"E (R)

0+34.81 B.C. S22°24'59"E (R)

0+31.41± END J.S.

0+64.66 CONST. MH NO. 1

2+73.61 CONSTRUCT MH NO. 2

SURVEY LINE

5+22.11 END TRANS. STRUCTURE JOIN EXIST. 6'W x 3'H R.C.B.

5+23.11 END TRANSITION STRUCTURE JOIN EXIST. 6'W x 3'H R.C.B.

5+09.69 END 48" R.C.P. BEG. TRANSITION STRUCTURE

R/W

7.83'

S60°13'21"E

℄ FAIRMOUNT BLVD. 16

FAIRMOUNT

798

℄ PIPE CURVE DATA
R = 45'
Δ = 28°00'08"
L = 21.99'
T = 11.22'

17+00.99 ℄ SPRINGBROOK CHANNEL = 0+100 FAIRMOUNT BLVD. LATERAL

J.S. DATA
A = 74°35'01"
B = 48"
C = 31.41'
ELEV. "R" = 91.89
ELEV. "S" = 91.88

CONSTRUCTION NOTES

1. CONSTRUCT JUNCTION STRUCTURE PER RIVERSIDE COUNTY FLOOD CONTROL STD. DWG. NO. JS226.
2. CONSTRUCT 48" R.C.P., D-1400.
3. CONSTRUCT TRANSITION STRUCTURE PER COUNTY OF RIVERSIDE FLOOD CONTROL STD. DWG. NO. TS301.
4. CONSTRUCT MANHOLE PER STD. DWG. NO. 430, WITH 15" DIA. LATERAL 45° OFF LOWER MAIN LINE.
5. REMOVE EXIST. CHAIN LINK FENCE.
6. CONSTRUCT 2' LENGTH OF 15" R.C.P., D-2000, AND PLUG END.
7. PROTECT EXIST. FENCE.

*AS-BUILT PER PLANS 9-30-05 GH

ENGINEER IN RESPONSIBLE CHARGE
PHILIP L. HANNAWI
R.C.E. No. 44747 expires 3/31/06
DATE 3/21/03

REGISTERED PROFESSIONAL ENGINEER PHILIP L. HANNAWI No. 44747 Exp. 3-31-2006 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY KARL DRAWN BY KARL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
STREET SERVICES		
SURVEYOR		

APPROVED BY
CITY ENGINEER
DATE 3/24/03

MARKET STREET IMPROVEMENTS

LATERAL 'B'

FAIRMOUNT BLVD. TO SPRINGBROOK CHANNEL

ACCT. NO.: 9217200601-440446xx

D-711

SHEET 1 OF 1

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'

INDEXED 8-05-04 GH