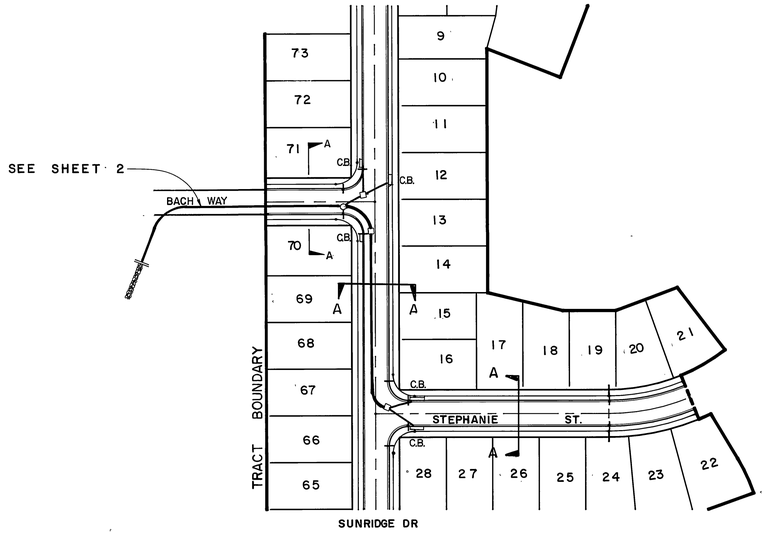
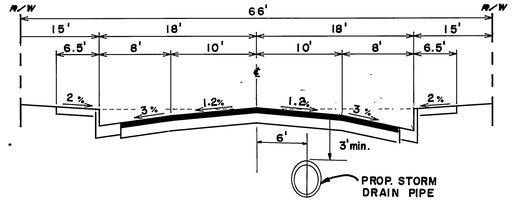


N

INDEX MAP

1" = 100'



SECTION "A" - "A"

BACH WAY

SUNRIDGE DR.

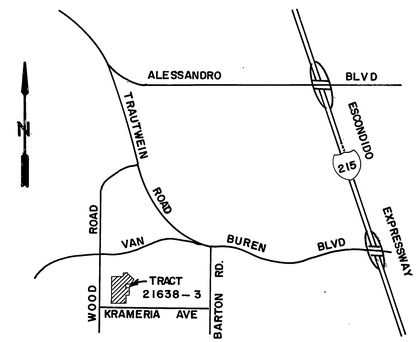
N. T. S.

STORM DRAIN GENERAL NOTES

1. QUANITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
2. CONSTURCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, STANDARD DRAWING NO.10 & THE SPECIFICATIONS FOR PUBLIC WORKS, CONSTRUCTION, CURRENT EDITION.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES, AND AT NO COST TO THE CITY.
4. NOTICE TO CONTRACTOR: THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
5. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY HEREON. IN THE EVENT OF DESCREPANCIES ARISING DURING CONSTURCTION THE PRIVATE ENGINEER SIGNING THESE PLANS SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
6. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PLONE NO. 1-800-422-4133 TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY USA.
7. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
8. ALL EMBANKMENT FILL SHALL BE COMPACTED TO MINIMUM OF 90% MAXIMUM DRY DENSITY AND SHALL BE OF AN APPROVED QUALITY.
9. ALL FLAGGED ELEVATION SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
10. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE (5) DAYS AFTER NOTIFICATION FROM THE CITY INSPECTOR.
11. BEFORE THE RIP-RAP IS ACCEPTED, AS PLACED, AT THE OUTLET OF ANY DRAINAGE STRUCTURE, IT SHALL BE TESTED UNDER FLOWS AS CLOSE AS POSSIBLE TO DESIGN CONDITIONS WITH WATER OBTAINED FROM FIRE HYDRANTS IN THE IMMEDIATE AREA.

STORM DRAIN CONSTRUCTION NOTES

		QUANTITIES	
1	CONSTRUCT CURB INLET CATCH BASIN PER CITY STD. NO. 405.	3	EA.
2	CONSTRUCT CURB INLET CATCH BASIN PER CITY STD. NO. 407	2	EA
3	CONSTRUCT 18" R.C.P. STORM DRAIN ASTM CL III (2000-D).	154	L.F.
4	CONSTRUCT 24" R.C.P. STORM DRAIN ASTM CL III (2000-D)	37	L.F.
5	CONSTRUCT CONC. HEADWALL PER DETAIL SHT. 3	1	EA.
6	CONSTRUCT 36" R.C.P. STORM DRAIN ASTM CL III (1000-D).	275	L.F.
7	CONSTRUCT 30" RCP STORM DRAIN ASTM CL. III (1000-D)	311	L.F.
8	CONSTRUCT JUNCTION STRUCTURE PER CITY STD. 422	1	EA.
9	CONSTRUCT MANHOLE E Z PER CITY STD. NO. 431.	1	EA.
10	CONSTRUCT JUNCTION STRUCTURE B. PER CITY STD. NO. 421.	2	EA.
11	CONSTRUCT GROUTED RIP-RAP 1/4 TON MINIMUM.	1	EA.



VICINITY MAP

N. T. S.

REGISTERED PROFESSIONAL ENGINEER
RALPH M. HOGEBOOM
No. 14312
Exp. 3.31.89
CIVIL
STATE OF CALIFORNIA

INDEXED 6-13-88 AS BUILT 7/13/88 RM

Underground Service Alert
CALL BEFORE YOU DIG
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL

PREPARED UNDER THE DIRECTION OF: Ralph M. Hogeboom
REGISTERED CIVIL ENGINEER NO. 14312
EXPIRATION DATE 3/31/89 DATE: 4/9/87

APPROVED BY:

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
JFD ASSOCIATES
P.O. BOX 493, ■ RIVERSIDE, CA 92502 (714) 686-0844
11200 SO. MT. VERNON AVE. #D, ☐ COLTON, CA 92324 (714) 825-1082
73-060 EL PASEO, #103, ☐ PALM DESERT, CA 92260 (619) 346-5691

AS SHOWN

DATE MARCH 1987

BENCH MARK: V.B. 10-64 ELEV. 1700.670 BRASS DISK FLUSH & MARKED V.B. 10.64, 06 MI. E. ON VAN BUREN BLD. FROM & INT. OF VAN BUREN & WOOD RD. 205 N. OF V.B. BLD. & THE N.E. SIDE OF GRANITE BOULDERS, ON TOP OF 3' X 15' X 18' BOULDER.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY M.M. DRAWN BY T.F.E. CHECKED BY J.P.

FRED

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

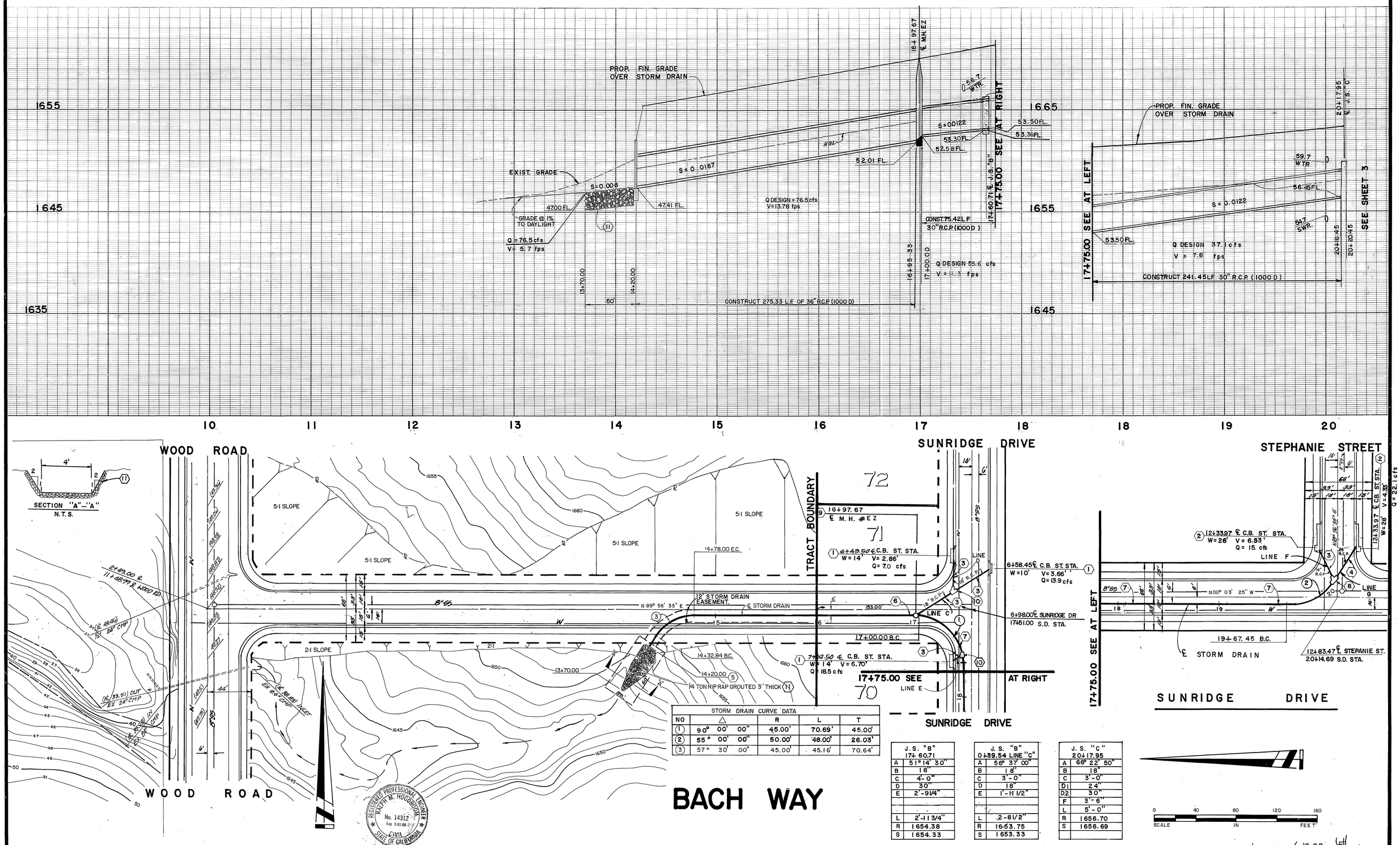
	BY	DATE
APPROVED BY		
PRINCIPAL ENGINEER	—	—
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P.W. ENGR.	WJB	10-16
	WJB	9/9/87

APPROVED BY: Barry Beal
DIRECTOR OF PUBLIC WORKS
DATE 10/19/87

TRACT 21638-3
TITLE SHEET

HORIZ. SCALE: AS SHOWN VERT. SCALE: AS SHOWN

PROJECT NO. D-518
SHEET 1 OF 3
FILE NO. 9378



STORM DRAIN CURVE DATA				
NO	△	R	L	T
1	90° 00' 00"	45.00'	70.69'	45.00'
2	55° 00' 00"	50.00'	48.00'	26.03'
3	57° 30' 00"	45.00'	45.16'	70.64'

J.S. "B" 17+60.71	
A	51° 14' 30"
B	18"
C	4'-0"
D	30"
E	2'-9 1/4"
L	2'-11 3/4"
R	1654.38
S	1654.33

J.S. "B" 0+39.54 LINE "C"	
A	56° 37' 00"
B	18"
C	3'-0"
D	18"
E	1'-11 1/2"
L	2-81/2"
R	16-53.75
S	1653.33

J.S. "C" 20+17.95	
A	66° 22' 50"
B	18"
C	3'-0"
D1	24"
D2	30"
F	3'-6"
L	5'-0"
R	1656.70
S	1656.69

0 40 80 120 160
SCALE IN FEET

INDEXED 6-13-88 LH
AS BUILT 7/1/93 RLH

PREPARED UNDER THE DIRECTION OF: Ralph M. Hogsdon
REGISTERED CIVIL ENGINEER NO. 14312 DATE: 4/9/87
EXPIRATION DATE 3/31/89
APPROVED BY:

J.F. DAVIDSON ASSOCIATES, INC.
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JFD ASSOCIATES
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11200 SO. MT. VERNON AVE. #D, COLTON, CA 92324 (714) 825-1082
73-060 EL PASEO, #103, PALM DESERT, CA 92260 (619) 346-5691

1"= 40'
DATE MARCH '87

BENCH MARK: V.B. 10-64 ELEV. 1700-670 BRASS DISK FLUSH & MARKED V.B. 10.64, 0.6 MI. E. ON VAN BUREN, BLVD. FROM S. INT. OF VAN BUREN & WOOD RD. 205' N. OF V.B. BLVD. ⊕ THE N.E. SIDE OF GRANITE BOULDERS, ON TOP OF 3'x 15'x 18' BOULDER.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY H.M. DRAWN BY J.F.E. CHECKED BY J.P.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGR.		

APPROVED BY: Barry Beck
DIRECTOR OF PUBLIC WORKS
DATE 10/19/87

TRACT 21638-3

STORM DRAIN PLAN BACH WAY AND SUNRIDGE DRIVE

HORIZ. SCALE: 1"= 40' VERT. SCALE: 1"= 4'

PROJECT NO. D-518
SHEET 2 OF 3
FILE NO. 86-9378

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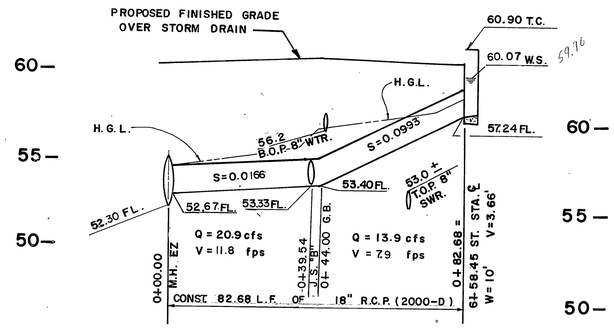
REGISTERED PROFESSIONAL ENGINEER RALPH M. HOGSDON No. 14312 Exp. 3-31-89 CIVIL STATE OF CALIFORNIA

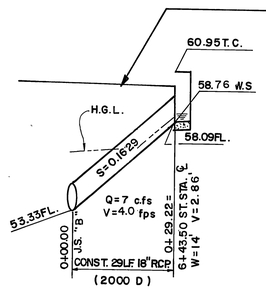
FRED



LINE C

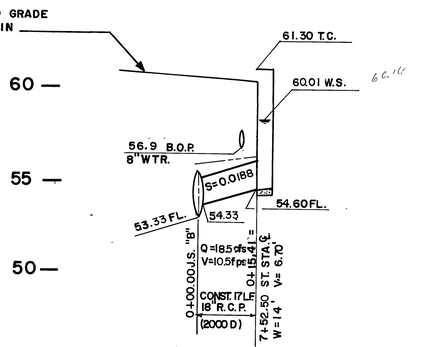
STA. 16+97.67
= 0+00.00

SCALES
HORIZ: 1"= 20'
VERT: 1"= 4'



LINE D

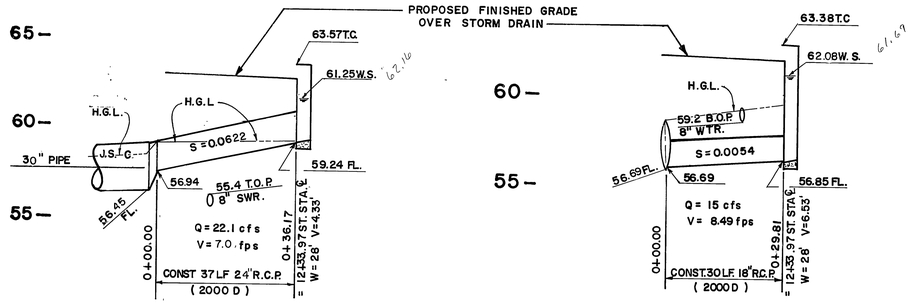
STA. 0+39.54 (LINE C)
= 0+00.00



LINE E

STA. 17+60.71

SCALES
HORIZ: 1"= 20'
VERT: 1"= 4'

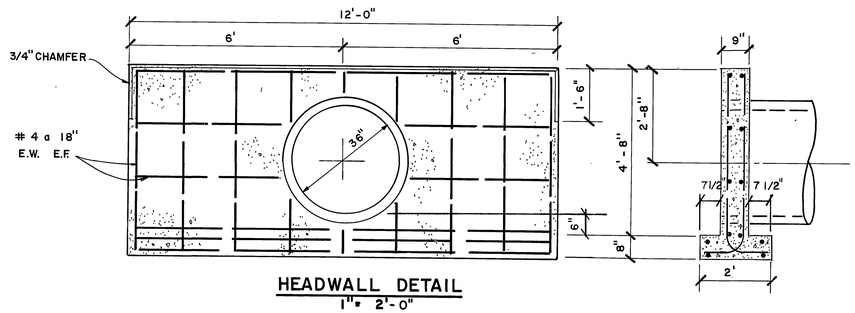


LINE G

STA. 20+20.45

LINE F

STA. 20+17.95



HEADWALL DETAIL

1"= 2'-0"

REGISTERED PROFESSIONAL ENGINEER RALPH M. HOGGARTH No. 14312 Exp 3 31 89 CIVIL STATE OF CALIFORNIA

INDEXED 6-13-88 LH
AS BUILT 7/1/93 RJM

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PREPARED UNDER THE DIRECTION OF: Ralph M. Hoggarth
REGISTERED CIVIL ENGINEER NO. 14312
EXPIRATION DATE 3/31/89 DATE: 4/9/87

APPROVED BY:

AS SHOWN

DATE MAR 1987

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
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MARK	REVISIONS	APPR.	DATE

DESIGNED BY M.M. DRAWN BY T.F.E CHECKED BY J.P.

FRED

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY		
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P. W. ENGR.		10-16-87

APPROVED BY: Barry Bard
DIRECTOR OF PUBLIC WORKS
DATE 10/19/87

TRACT 21638-3
S. D. DETAILS

HORIZ. SCALE: 1" AS SHOWN VERT. SCALE: 1" AS SHOWN

PROJECT NO. D-518
SHEET 3 OF 3
FILE NO. 86-9378