NOTICE TO CONTRACTOR

ACCORDING TO INFORMATION PROVIDED BY UNDERGROUND SERVICE ALERT (U.S.A) DATED JULY 23, 1996, THE FOLLOWING ORGANIZATIONS ARE U.S.A. MEMBERS WITHIN THE PROJECT AREA:

CHARTER COMMUNICATIONS	MEDIA–ONE CORONA
PACIFIC BELL MOBILE SERVICE	PACIFIC BELL
QUESTAR LINE 90 COMPANY	CITY OF RIVERSIDE
SANTA ANA WATERSHED PROJECT AUTHORITY	THE GAS COMPANY

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND (UTILITY PIPES, STRUCTURES, ETC). SHOWN ON THESE PLANS (MAIN LINES ONLY – NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR THE UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES SHOWN ON THESE PLANS AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

GENERAL NOTES

1 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT–OF–WAY IN ACCORDANCE WITH THE SPECIAL PROVISIONS OF THE LAW AS IT EFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.

2 CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.

3 THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

4 THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.

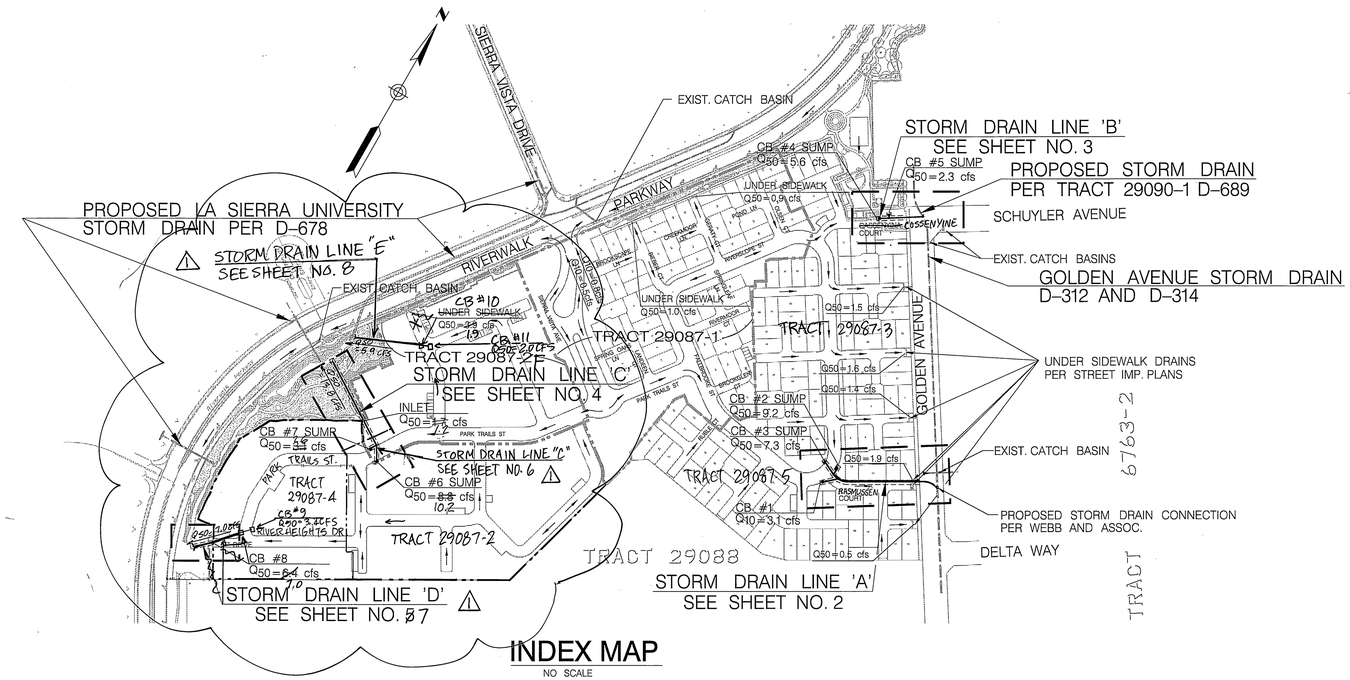
5 ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.

6 ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.

7 THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1–800–227–2600, 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 U.S.A.

8 PIPE BEDDING TO BE CASE I PER CITY OF RIVERSIDE STD. NO. 452.

9 NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS–OF–WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.



INDEX MAP

NO SCALE

CONSTRUCTION NOTES

1 ....CONSTRUCT 24" RCP (2000D)
2 ....CONSTRUCT 18" RCP (2000D)
3 ....CONSTRUCT 15" RCP (2000D)
4 ....CONSTRUCT MANHOLE EZ PER CITY STD. 431
5 ....CONSTRUCT JUNCTION STRUCTURE. 'B' PER CITY STD. 421
6 ....CONSTRUCT CATCH BASIN PER CITY STD. 405
7 ....CONSTRUCT JUNCTION STRUCTURE 'C' PER CITY STD. 422
8 ....REMOVE AND REPLACE EXIST. A.C. PAVEMENT AND BASE IN KIND
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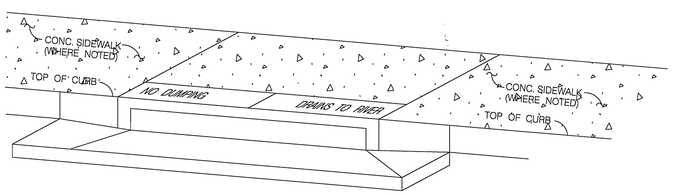
10 ....CONSTRUCT CONCRETE COLLAR PER CITY STD. 424
11 ....CONSTRUCT JUNCTION STRUCTURE NO. 4 PER CITY STD. 423 CASE PER PLAN
12 ....CONSTRUCT 12" RCP (2000D)
13 ... CONSTRUCT MONOLITHIC CATCH BASIN, CONNECTION PER APWA STD PLAN 308-1

LEGEND

SD – STORM DRAIN
LAT – LATERAL
CB – CATCH BASIN
TC – TOP OF CURB
FL – FLOWLINE



CATCH BASIN STENCILING DETAIL

NOT TO SCALE

(A) STENCILS TO HAVE 2" LETTERS AS FOLLOWS:
*NO DUMPING
*DRAINS TO RIVER

(B) PLACE BOTH STENCILS CENTERED WITHIN THE CATCH BASIN OPENING AND WITHIN THE TOP OF THE CURB

(C) SPRAY BOTH STENCILS WITH WHITE PAINT

(D) REMOVE STENCILS WHEN PAINT IS DRY

VICINITY MAP

NOT TO SCALE

CITY OF RIVERSIDE	CITY OF RIVERSIDE	CITY OF RIVERSIDE	CITY OF RIVERSIDE
PUBLIC UTILITIES DEPT.–ELECTRIC DEPT. OVERHEAD & UNDERGROUND	WATER SYSTEM (FOR SHEETS 1–5)	PUBLIC UTILITIES DEPT. – ELECTRIC DEPT. OVERHEAD & UNDERGROUND (FOR SHEETS 6–8)	WATER SYSTEM (FOR SHEETS 6–8)
APPROVED BY: 2/21/02 DATE	APPROVED BY: 2/26/02 DATE	APPROVED BY: 12/18/01 DATE	APPROVED BY: 12/21/02 DATE
	VOID ONE YEAR FROM THIS DATE		

*AS-BUILT PER PLANS 3-21-06 JH

Underground Service Alert
Call: TOll FREE
1–800
227–2600
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

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REFERENCE:

REGISTERED PROFESSIONAL ENGINEER
JEFFREY KARL RUPP
NO. 42868
Exp. 3/31/2004
CIVIL
STATE OF CALIFORNIA

DAVID EVANS AND ASSOCIATES INC.
800 North Haven Avenue, Suite 300
Ontario California 91764
Phone: 909.481.5750

PLANS PREPARED UNDER THE SUPERVISION OF:
JEFFREY K. RUPP R.C.E. 42868
2-19-02
DATE

CITY OF RIVERSIDE
BUSINESS TAX ACCT. NO. 36955
EXPIRES 4-12-02

MARK	REVISIONS	APPR.	DATE
A	REVISED "COSSENVYINE" CATCH BASINS	RVZ	2-23-04
A	REV SD LINES C & D, ADDED SD LINE E/(35-17)	RVZ	2-10-03

DESIGNED BY KFS DRAWN BY KFS /MMST CHECKED BY JKR

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:	BY	DATE
PRINCIPAL ENGR.		3/8/2002
PARK DEPARTMENT		
TRAFFIC DIVISION		
DEPUTY P.W. DIRECTOR		
ST. SERVICES		2/19/02

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 4/16/02

STORM DRAIN PLAN & PROFILE
TRACT NO. 29087–1
INDEX SHEET
SCALE: AS SHOWN

PROJECT NO. GRIF0001
D–702
SHEET 1 OF 38
FILE NO.:

INDEXED 5-09-02 JH

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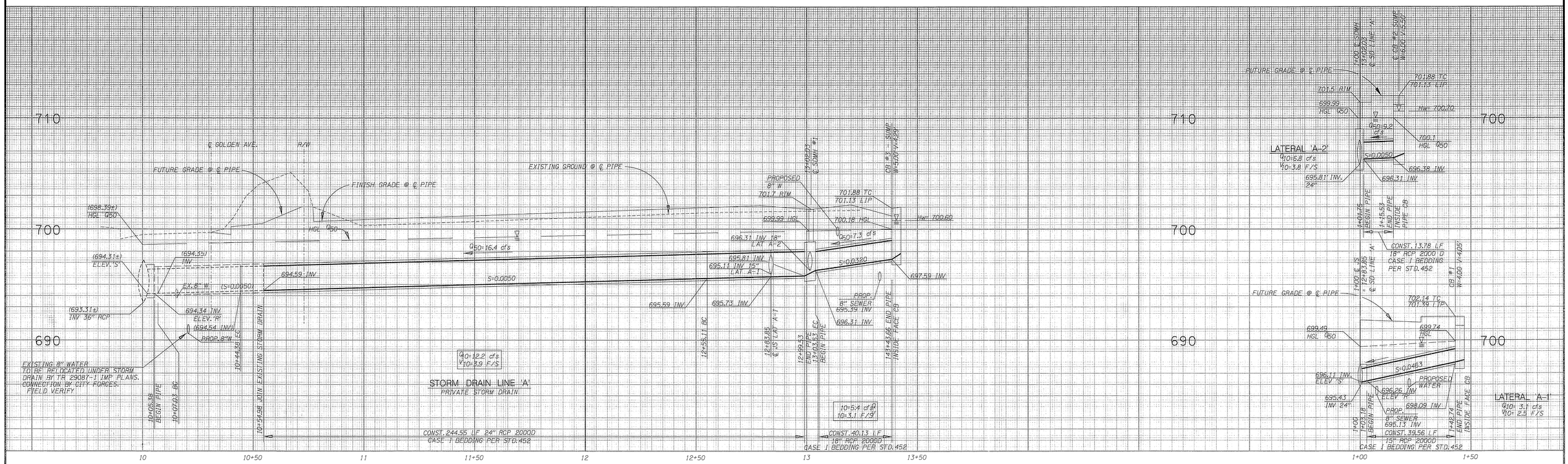

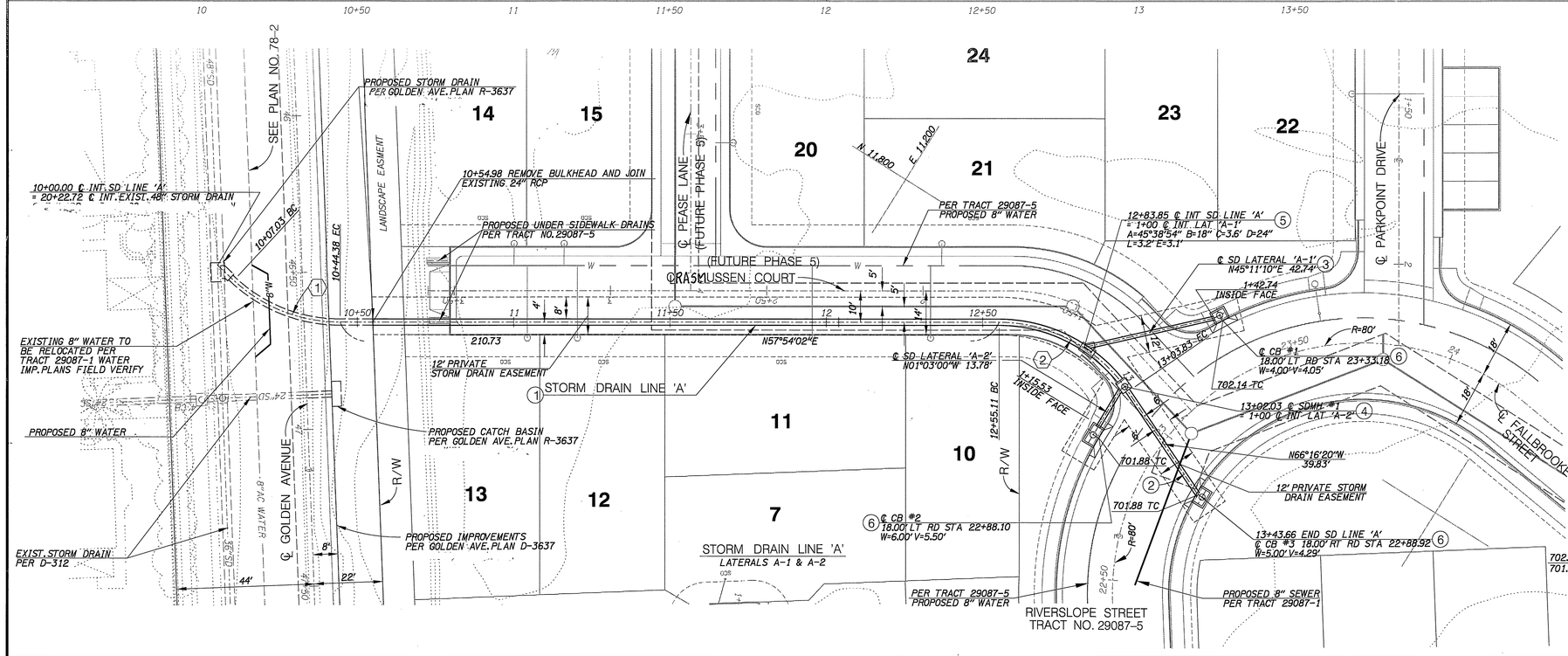

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℄ STORM DRAIN				
	DELTA	RADIUS	LENGTH	TANGENT
1	42°48'08"	50'	37.35'	19.60'
2	55°49'38"	50'	48.72'	26.49'

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DATE LVLD: 0
REFERENCE:

REGISTERED PROFESSIONAL ENGINEER JEFFREY KARL RUPP NO. 42868 Exp. 3/31/2004 CIVIL STATE OF CALIFORNIA

PLANS PREPARED UNDER THE SUPERVISION OF:
JEFFREY K. RUPP R.C.E. 42868 — DATE 2-19-02

DAVID EVANS AND ASSOCIATES INC.
800 North Haven Avenue, Suite 300
Ontario California 91764
Phone: 909.481.5750

CITY OF RIVERSIDE BUSINESS TAX ACCT. NO. 36955 EXPIRES 4-12-02

MARK	REVISIONS	APPR.	DATE
1	REVISED SHEET NO. TOTAL	RVZ	2-10-03

DESIGNED BY KFS DRAWN BY KFS/MMST CHECKED BY JKR

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:	BY	DATE
PRINCIPAL ENGR.		
PARK DEPARTMENT		
TRAFFIC DIVISION		
DEPUTY P.W. DIRECTOR		
ST. SERVICES		5/1/02

APPROVED BY: DIRECTOR OF PUBLIC WORKS — DATE 4/26/02

STORM DRAIN PLAN & PROFILE

TRACT NO. 29087-1
STORM DRAIN LINE 'A'
LATERALS A-1 & A-2
PRIVATE STORM DRAIN

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

PROJECT NO. GRIF0001

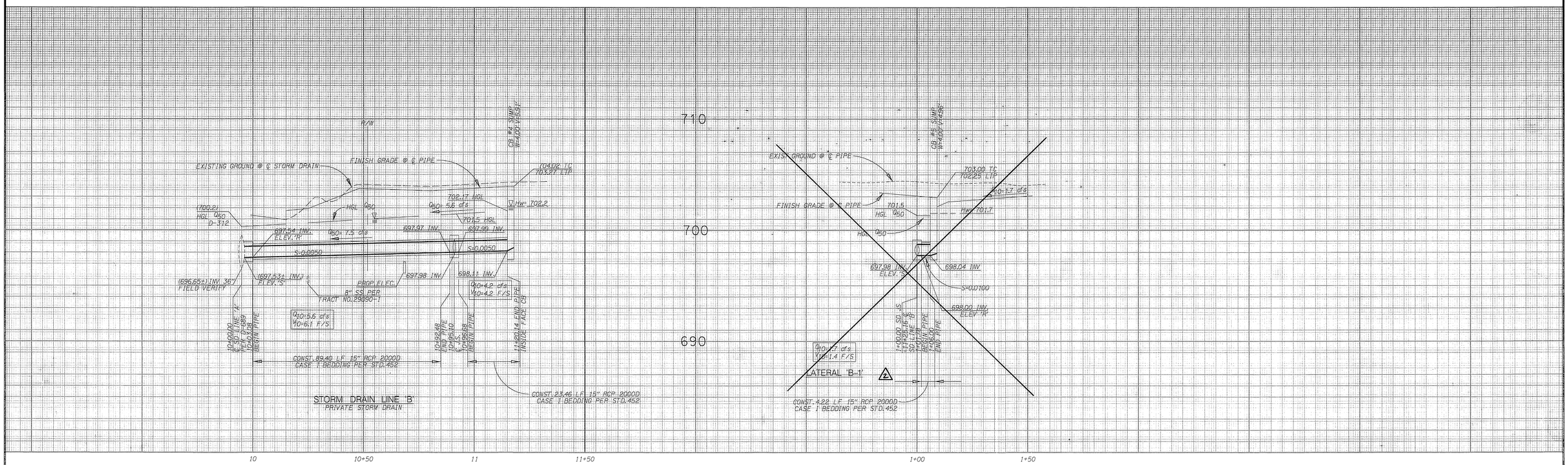
D-702

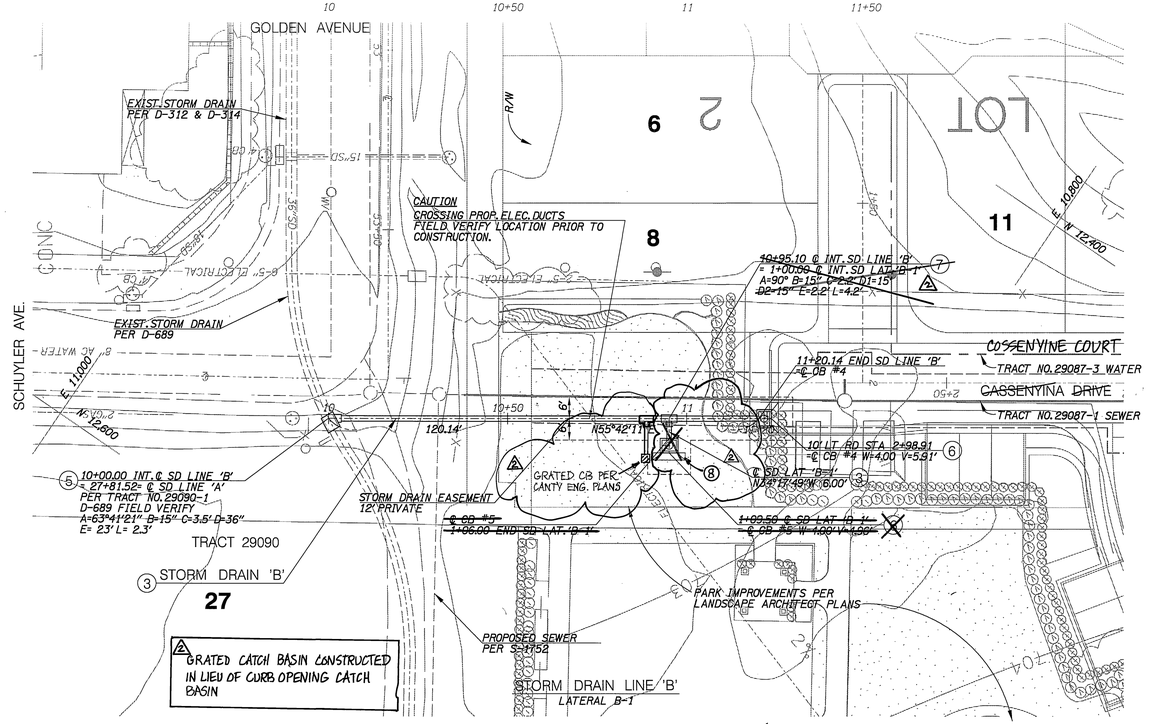
SHEET 2 OF 85

FILE NO.:

INDEXED 5-09-02 GH

P:\G\GRIF0001\DGN\SHEETS\STORM\PHASE1\SD_02.SHT





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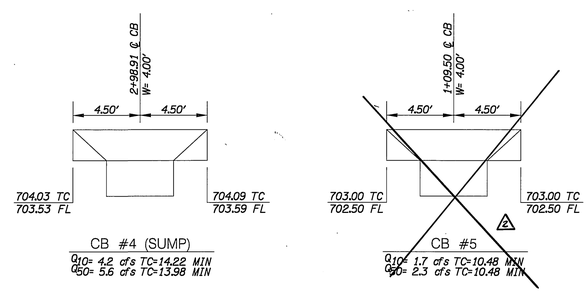
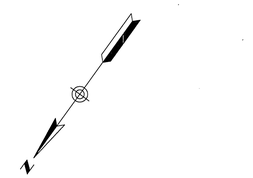
8. ....REMOVE EXISTING CONSTRUCTED CATCH BASIN AND CAP EXISTING 15" RCP





20 0 20 40 60

SCALE: 1" = 20'

*AS-BUILT PER PLANS 3-21-06 GH

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1-800
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TWO WORKING DAYS BEFORE YOU DIG

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NO. 42868
Exp. 3/31/2004
CIVIL
STATE OF CALIFORNIA

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PLANS PREPARED UNDER THE SUPERVISION OF:
JEFFREY KARL RUPP R.C.E. 42868 — DATE 2-19-02

CITY OF RIVERSIDE
BUSINESS TAX ACCT. NO. 36955
EXPIRES 4-12-02

MARK	REVISIONS	APPR.	DATE
2	REVISED "COSSENYINE" CATCH BASINS	RVZ	12-23-02
1	REVISED SHEET NO. TOTAL	RVZ	2-10-03

DESIGNED BY KFS DRAWN BY KFS/MMST CHECKED BY JKR

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:	BY	DATE
PRINCIPAL ENGR.		4/26/02
PARK DEPARTMENT		
TRAFFIC DIVISION		
DEPUTY P.W. DIRECTOR		
ST. SERVICES		2/19/02

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 4/26/02

STORM DRAIN PLAN & PROFILE

TRACT NO. 29087-1
STORM DRAIN LINE 'B'
LATERAL B-1
PRIVATE STORM DRAIN

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

PROJECT NO. GRIF0001
D-702
SHEET 3 OF 85
FILE NO.:

INDEXED 5-09-02 GH

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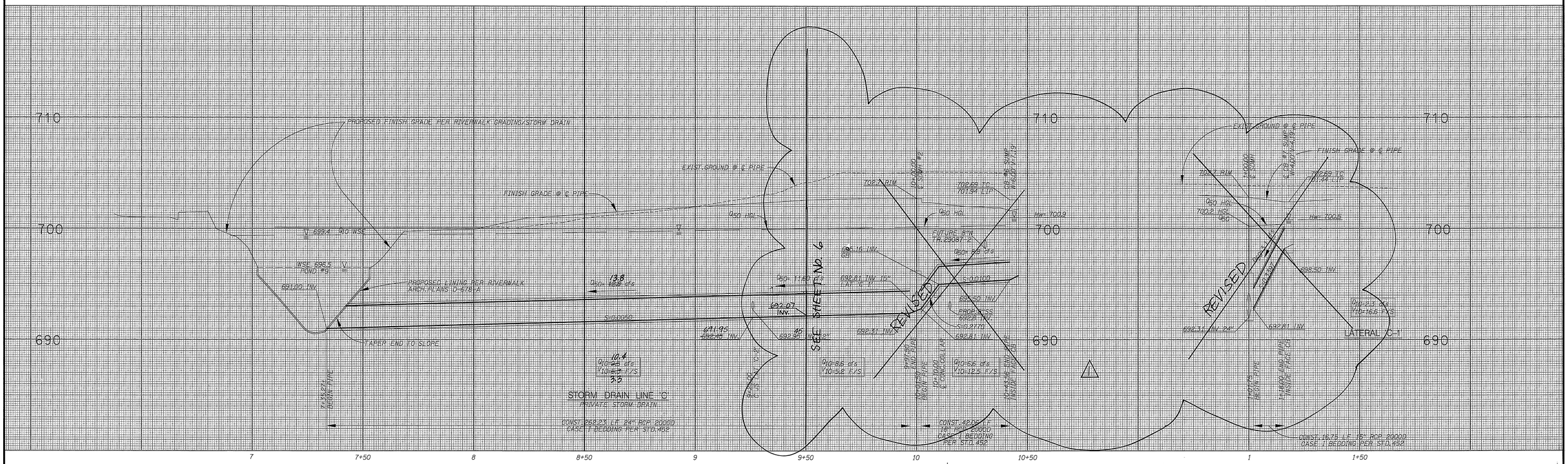

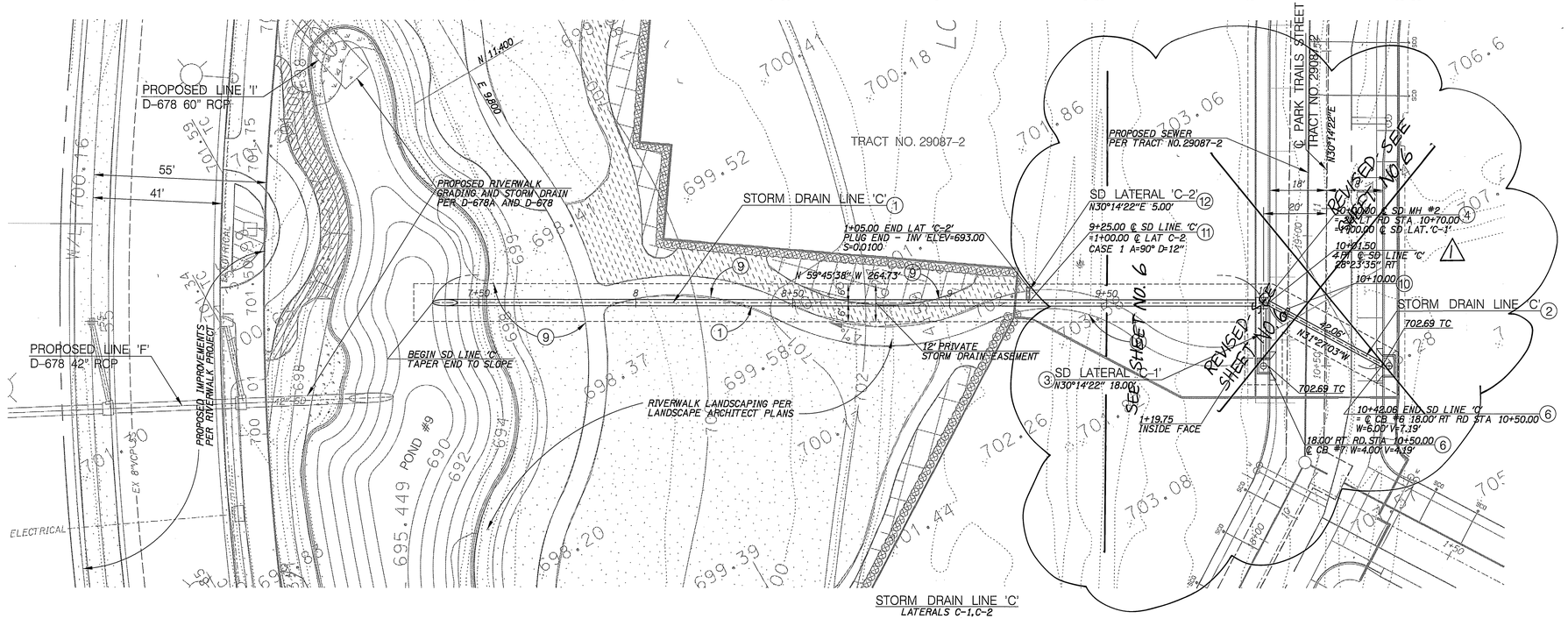

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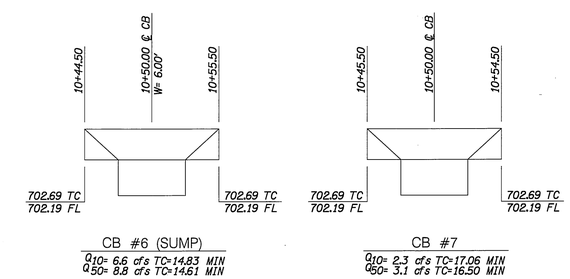

20 0 20 40 60

SCALE: 1" = 20'

*AS-BUILT PER PLANS 3-21-06 GH

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TWO WORKING DAYS BEFORE YOU DIG

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REGISTERED PROFESSIONAL ENGINEER
JEFFREY KARL RUPP
NO. 42868
Exp. 3/31/2004
CIVIL
STATE OF CALIFORNIA

DAVID EVANS AND ASSOCIATES INC.
800 North Haven Avenue, Suite 300
Ontario California 91764
Phone: 909.481.5750

PLANS PREPARED UNDER THE SUPERVISION OF:
JEFFREY K. RUPP R.C.E. 42868 — DATE 2-19-02

CITY OF RIVERSIDE BUSINESS TAX ACCT. NO. 36955 EXPIRES 4-12-02

MARK	REVISIONS	APPR.	DATE
1	REVISED PER SHEET 6 - REV. SHT. TOTAL	RVZ	2-10-03

DESIGNED BY KFS DRAWN BY KFS /MMST CHECKED BY JKR

CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY:		
PRINCIPAL ENGR.		
PARK DEPARTMENT		
TRAFFIC DIVISION		
DEPUTY P.W. DIRECTOR		
ST. SERVICES		

APPROVED BY: Glenn Brock
DIRECTOR OF PUBLIC WORKS
DATE 4/26/06

STORM DRAIN PLAN & PROFILE

TRACT NO. 29087-1
STORM DRAIN LINE 'C'
LATERAL 'C-1'
PRIVATE STORM DRAIN

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

PROJECT NO. GRIF0001

D-702 1

SHEET 4 OF 85

FILE NO.:

INDEXED 5-09-02 GH

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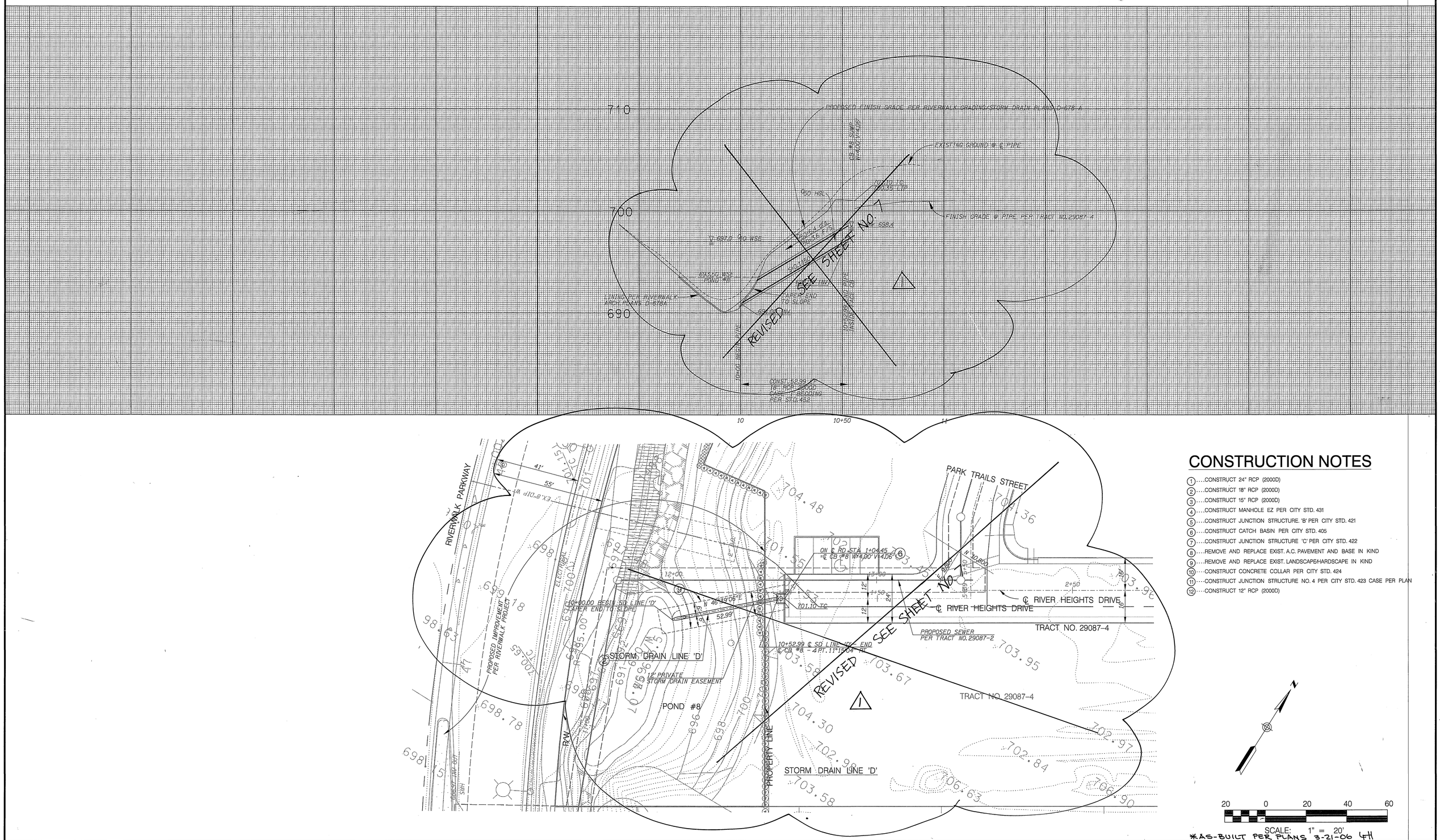

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Phone: 909.481.5750

PLANS PREPARED UNDER THE SUPERVISION OF:
JEFFREY K. RUPP R.C.E. 42868 — DATE 2-19-02

CITY OF RIVERSIDE BUSINESS TAX ACCT. NO. 36955 EXPIRES 4-12-02

MARK	REVISIONS	APPR.	DATE
1	REVISED - SEE SHEET NO. 7; REV. SHT. TOTAL 8	RVZ	2-10-03

DESIGNED BY KFS DRAWN BY KFS/MMST CHECKED BY JKR

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:	BY	DATE
PRINCIPAL ENGR.		
PARK DEPARTMENT		
TRAFFIC DIVISION		
DEPUTY P.W. DIRECTOR		
ST. SERVICES		4/26/02

APPROVED BY: Thom Boyd
DIRECTOR OF PUBLIC WORKS
DATE 4/26/02

STORM DRAIN PLAN & PROFILE

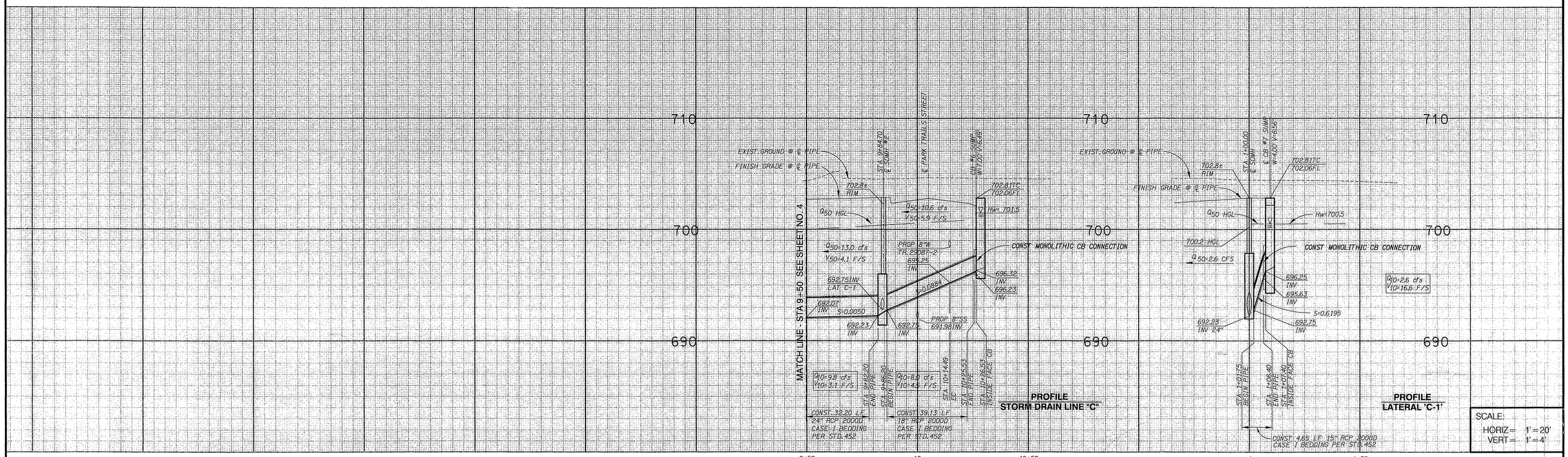
TRACT NO. 29087-1
STORM DRAIN LINE 'D'
PRIVATE STORM DRAIN

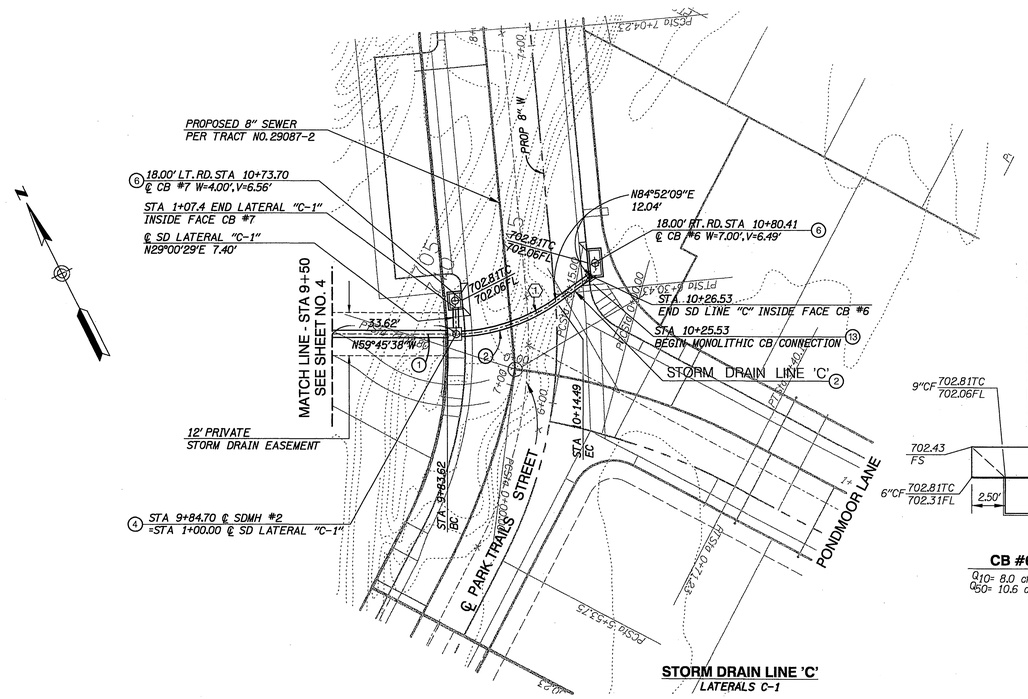
SCALE: HORIZ: 1" = 20' VERT: 1" = 4'

PROJECT NO. GRIF0001
D-702
SHEET 5 OF 85
FILE NO.:

INDEXED 5-09-02 GH

P:\GYGRIF0001\DGN\SHEETS\STORM\PHASE1\SD_05.SHT

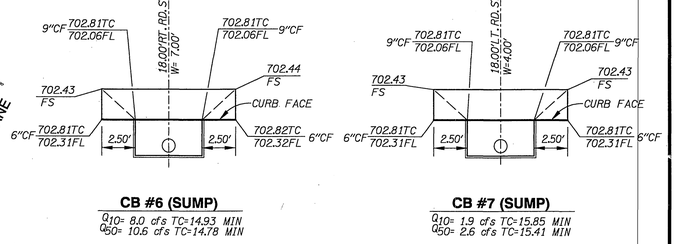




CONSTRUCTION NOTES

1 ....CONSTRUCT 24" RCP (2000D)
2 ....CONSTRUCT 18" RCP (2000D)
4 ....CONSTRUCT MANHOLE EZ PER CITY STD. 431
6 ....CONSTRUCT CATCH BASIN PER STD 405
13 ....CONSTRUCT MONOLITHIC CATCH BASIN CONNECTION PER APWA STD PLAN 308-1

℄ STORM DRAIN				
	RADIUS	DELTA	LENGTH	TANGENT
1	50.00'	35°22'14"	30.87'	15.94'



CB #6 (SUMP)
Q_{10}= 8.0 cfs TC=14.93 MIN
Q_{50}= 10.6 cfs TC=14.78 MIN

CB #7 (SUMP)
Q_{10}= 1.9 cfs TC=15.85 MIN
Q_{50}= 2.6 cfs TC=15.41 MIN

20 0 20 40 60
SCALE: 1" = 20'
*AS-BUILT PER PLANS 3-21-06

Underground Service Alert
Call: TOll FREE 1-800 227-2600
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 THIS PROJECT, INCLUDING SAFETY MATTERS, PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL MAKE NO EXCEPTIONS, CONTINGENCIES, 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.

BENCH MARK DESCRIPTION

PONIT ID: E2-H3
ELEVATION: 697.978
DATE LVLD: 1983
REFERENCE:
DATUM: 1929
3RD ORDER POINT DESCRIPTION:
P.K. NAIL AND CITY ENGINEER TAG IN THE CENTER OF THE MOST NORTHERLY CURB RETURN OF COLLETT AVENUE AND GOLDEN AVENUE
ELEVATION: 0
DATE LVLD: 0
REFERENCE:
ADJUSTMENT YEAR: 1971
ELEVATION: 0
DATE LVLD: 0
REFERENCE:
ELEVATION: 0
DATE LVLD: 0
REFERENCE:

REGISTERED PROFESSIONAL ENGINEER JEFFREY KARL RUPP NO. 42868 Exp. 3/31/2004 CIVIL STATE OF CALIFORNIA

DAVID EVANS AND ASSOCIATES INC.
800 North Haven Avenue, Suite 300
Ontario California 91764
Phone: 909.481.5750

PLANS PREPARED UNDER THE SUPERVISION OF:
JEFFREY K. RUPP R.C.E. 42868 — DATE 12-16-02

CITY OF RIVERSIDE BUSINESS TAX ACCT. NO. 36955 EXPIRES 4-13-03

MARK	REVISIONS	APPR.	DATE

DESIGNED BY KFS DRAWN BY KFS/SLB CHECKED BY JKR

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:	BY	DATE
PRINCIPAL ENGR.		1/30/03
PARK DEPARTMENT		
TRAFFIC DIVISION		
DEPUTY P.W. DIRECTOR		
ST. SERVICES		12/17/02

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 1/30/03

STORM DRAIN PLAN & PROFILE

TRACT NO. 29087-1
STORM DRAIN LINE 'C'
LATERAL 'C-1'
PRIVATE STORM DRAIN

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

PROJECT NO. GRIF0001

D-702

SHEET 6 OF 8

FILE NO.:

INDEXED 2/4/03

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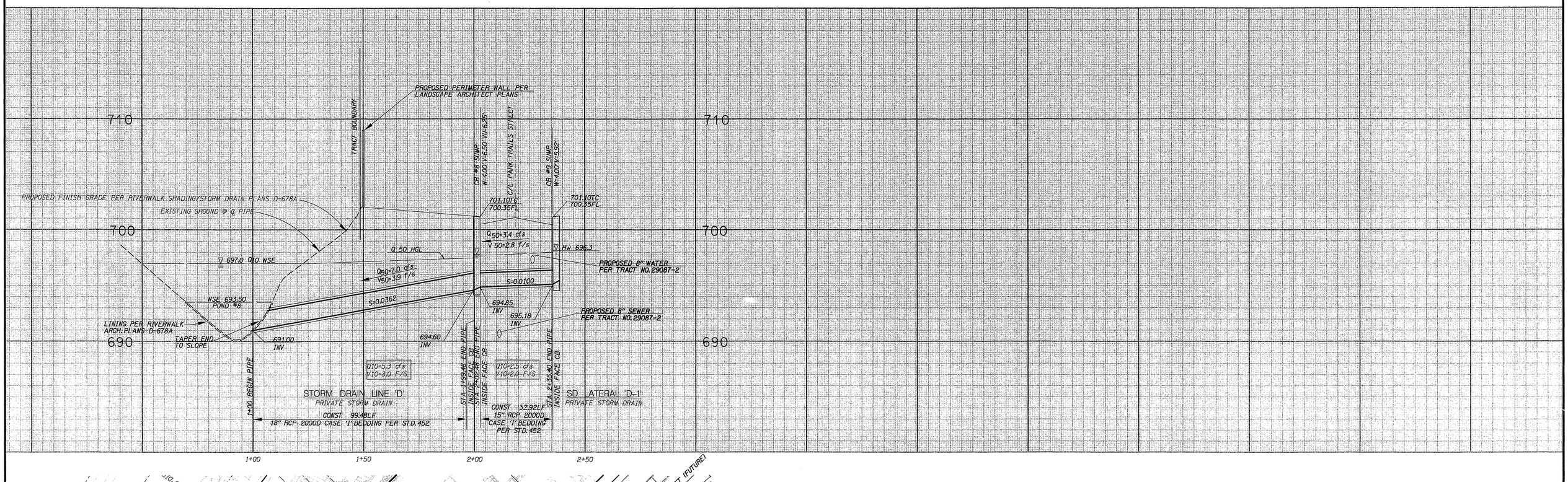
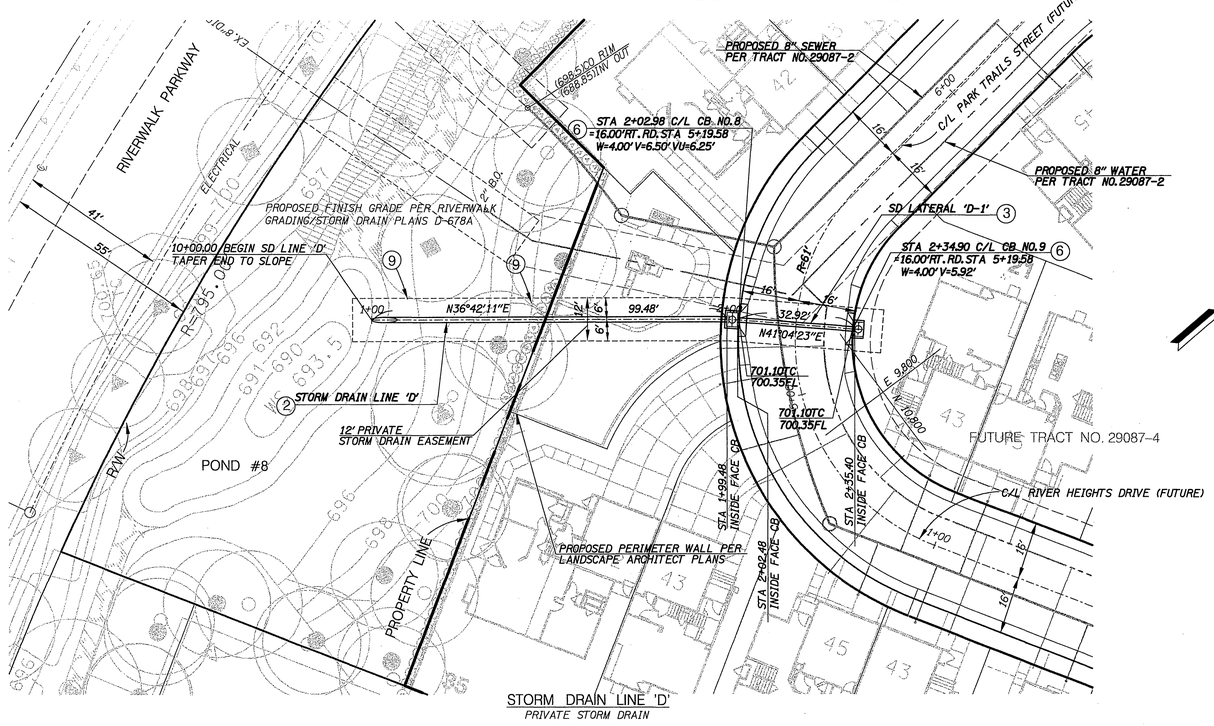




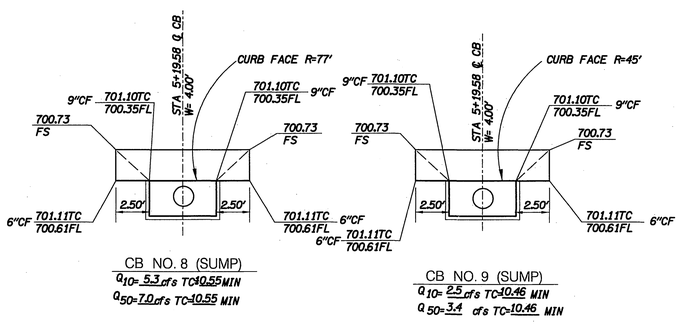
CONSTRUCTION NOTES

(2)....CONSTRUCT 18" RCP (2000D)

(3)....CONSTRUCT 15" RCP (2000D)

(6)....CONSTRUCT CATCH BASIN PER CITY STD. 405

(9)....REMOVE AND REPLACE EXIST. LANDSCAPE/HARDSCAPE IN KIND



20 0 20 40 60

SCALE: 1" = 20'

*AS-BUILT PER PLAN 3-21-06 HH

Underground Service Alert
Call: TOLL FREE
1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

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DATUM: 1929
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ELEVATION: 0
DATE LVLD: 0
REFERENCE:
ADJUSTMENT YEAR: 1971

ELEVATION: 0
DATE LVLD: 0
REFERENCE:

ELEVATION: 0
DATE LVLD: 0
REFERENCE:

REGISTERED PROFESSIONAL ENGINEER
JEFFREY KARL RUPP
NO. 42868
Exp. 3/31/2004
CIVIL
STATE OF CALIFORNIA

800 North Haven Avenue, Suite 300
Ontario California 91764
Phone: 909.481.5750

PLANS PREPARED UNDER THE SUPERVISION OF:
JEFFREY K. RUPP R.C.E. 42868 — DATE 12-16-02

CITY OF RIVERSIDE BUSINESS TAX ACCT. NO. 36955 EXPIRES 4-13-03

MARK	REVISIONS	APPR.	DATE

DESIGNED BY KFS DRAWN BY KFS CHECKED BY JKR

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY:		
PRINCIPAL ENGR.		1/31/03
PARK DEPARTMENT		
TRAFFIC DIVISION		
DEPUTY P.W. DIRECTOR		
ST. SERVICES		12/17/02

APPROVED BY: DIRECTOR OF PUBLIC WORKS — DATE 1/30/03

STORM DRAIN PLAN & PROFILE

TRACT NO. 29087-1
STORM DRAIN LINE 'D'
PRIVATE STORM DRAIN

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

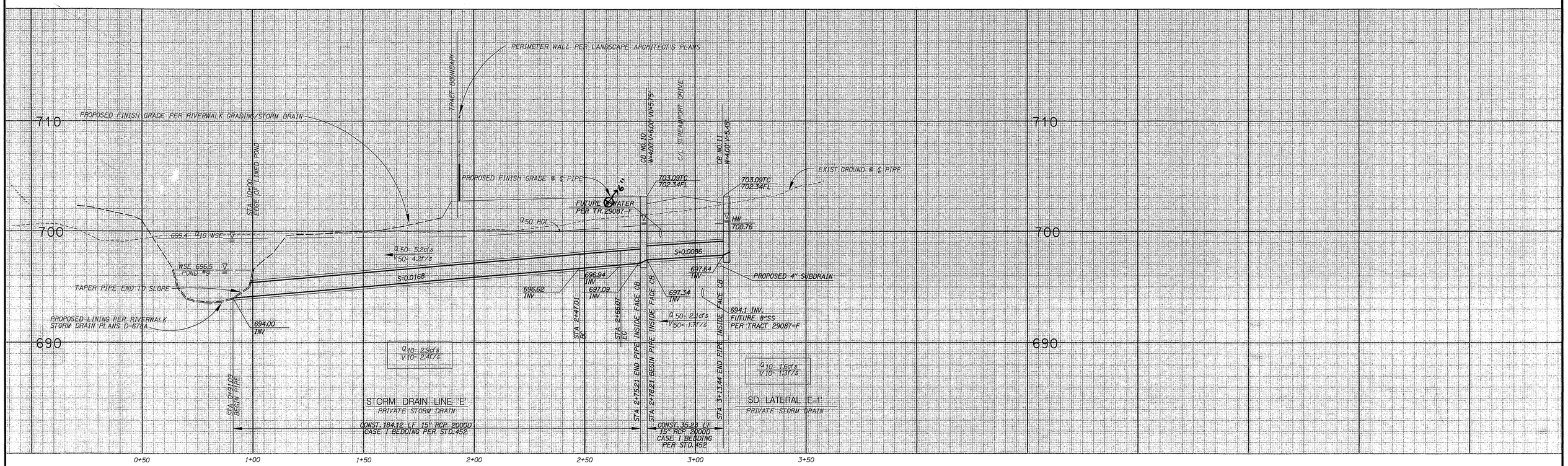
PROJECT NO. GRIF0001

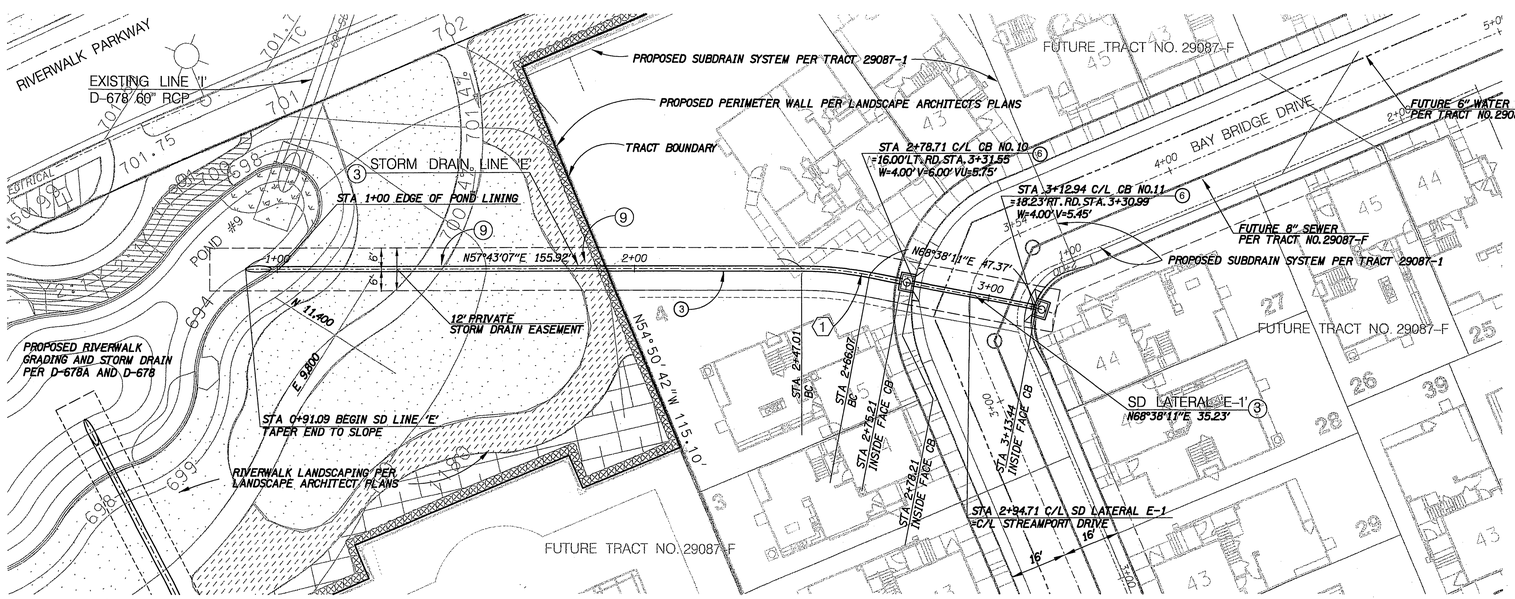
D-702

SHEET 7 OF 8

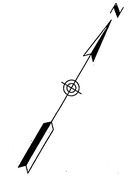
FILE NO.:

INDEXED 2/4/03 JK





STORM DRAIN LINE 'E'
LATERALS E-1



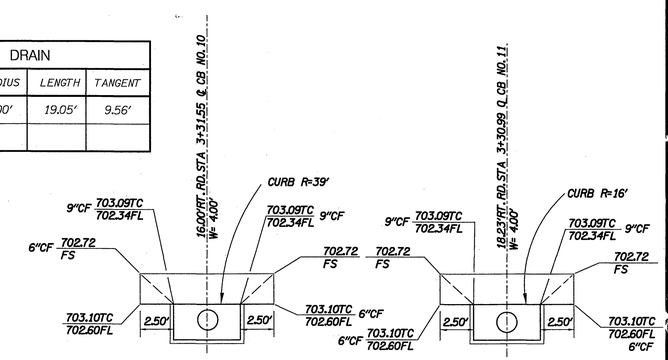
CONSTRUCTION NOTES

(3) ....CONSTRUCT 15" RCP (2000D)

(6) ....CONSTRUCT CATCH BASIN PER CITY STD. 405

(9) ....REMOVE AND REPLACE EXIST. LANDSCAPE/HARDSCAPE IN KIND

℄ STORM DRAIN				
	DELTA	RADIUS	LENGTH	TANGENT
(1)	10°55'04"	100'	19.05'	9.56'



CB #10 (SUMP)
Q 10= 2.3 cfs TC= 13.0 MIN
Q 50= 3.0 cfs TC= 13.0 MIN

CB #11 (SUMP)
Q 10= 1.6 cfs TC= 12.7 MIN
Q 50= 2.1 cfs TC= 12.7 MIN

20 0 20 40 60

SCALE: 1" = 20'

*AS-BUILT PER PLANS 3-21-06 LH

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ADJUSTMENT YEAR: 1971

ELEVATION: 0
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REFERENCE:

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MARK	REVISIONS	APPR.	DATE

DESIGNED BY KFS DRAWN BY KFS CHECKED BY JKR

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:	BY	DATE
PRINCIPAL ENGR.		1/27/03
PARK DEPARTMENT		
TRAFFIC DIVISION		
DEPUTY P.W. DIRECTOR		
ST. SERVICES		12/17/02

APPROVED BY: DIRECTOR OF PUBLIC WORKS
DATE 1/30/03

STORM DRAIN PLAN & PROFILE

TRACT NO. 29087-1
STORM DRAIN LINE 'E'
LATERAL 'E-1'
PRIVATE STORM DRAIN

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

PROJECT NO. GRIF0001

D-702

SHEET 8 OF 8

FILE NO.:

INDEXED 2/3/03 SH

P:\GV\GRIF0001\DGN\SHEETS\STORM\PHASE1\SD_08.SHT