CITY OF RIVERSIDE, CALIFORNIA

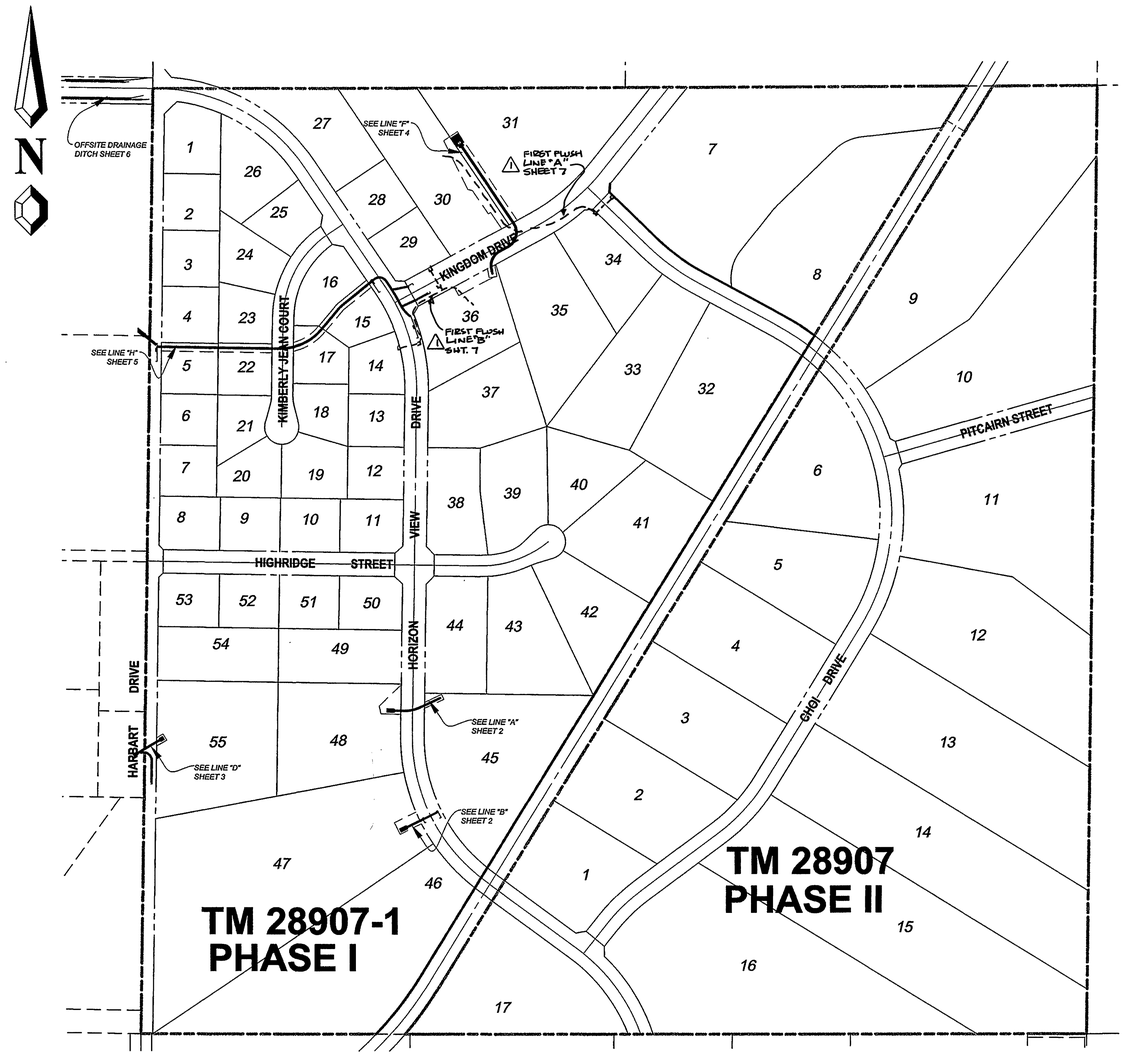
STORM DRAIN PLANS

FOR

TRACT NO. 28907-1

GENERAL NOTES

1. 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.
2. 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 APPURTENANCES AND AT NO COST TO THE CITY.
3. 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.
4. 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.
5. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
6. 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.
7. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
8. 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.
9. FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER.
10. 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.
11. BEFORE THE RIP-RAP AT THE OUTLET OF ANY DRAINAGE STRUCTURE IS ACCEPTED BY THE CITY, IT SHALL BE TESTED UNDER FLOWS AS CLOSE AS POSSIBLE TO DESIGN CONDITIONS WITH WATER OBTAINED FROM FIRE HYDRANTS IN THE IMMEDIATE AREA.
12. PIPE BEDDING IS TO BE CONSTRUCTED PER CITY OF RIVERSIDE STANDARD DRAWING NO. 452; CASE II.

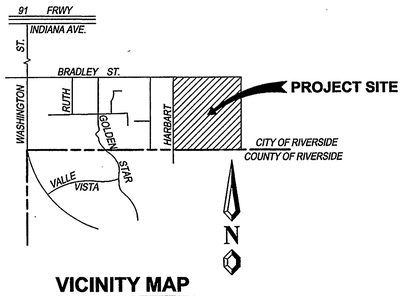


INDEX MAP

SCALE: 1"=200'

BENCH MARK DESCRIPTION:

POINT ID: GPS-69
ELEVATION: 1083.685 ELEVATION: 0 ELEVATION: 0 ELEVATION: 0
DATE LVLD: 1998 DATE LVLD: 0 DATE LVLD: 0 DATE LVLD: 0
REFERENCE: LL45/69
DATUM: 1929 ADJUSTMENT YEAR: 1971
2ND ORDER POINT
DESCRIPTION:
G.P.S. POINT 69 - A 2 1/2" BRASS DISK STAMPED "CITY OF RIVERSIDE GPS STATION 69 - 1991" SET IN THE NORTH END OF A CATCH BASIN 1' EAST OF THE EAST CURB OF WASHINGTON STREET AND 3' SOUTH OF THE BCR AT THE SOUTHEAST CURB RETURN OF WASHINGTON STREET AND BRADLEY STREET.
(COMBINED LEVELS - R.B.F. AND CITY) MISC. LEVEL WORK

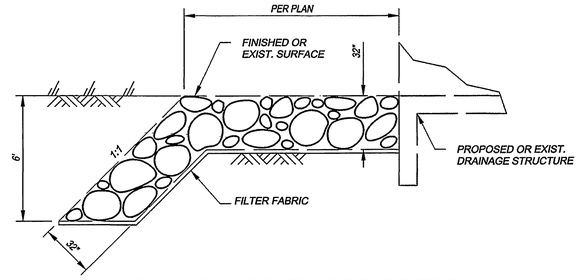


VICINITY MAP

N.T.S.

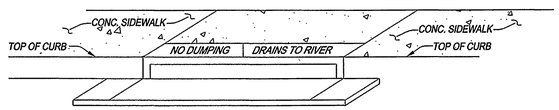
SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET, NOTES & INDEX MAP
2 - 7	STORM DRAIN PLANS



29 **¼ TON GROUTED RIP-RAP DETAIL**

N.T.S.



CATCH BASIN STENCHING DETAIL

N.T.S.

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

(B) PLACE BOTH STENCILS CENTERD WITHIN THE CATCHBASIN OPENING AND WITHIN THE TOP OF CURB.

(C) SPRAY BOTH STENCILS WITH WHITE PAINT.

(D) REMOVE STENCILS WHEN PAINT IS DRY.

NOTICE TO CONTRACTOR:

CONTRACTOR AGREES HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER, AND THE CITY OF ANAHEIM HARMLESS FROM ANY AND ALL LIABILITY, REAL OF ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF OWNER, ENGINEER, OR CITY OF ANAHEIM.

EXISTING UNDERGROUND UTILITIES ARE AS PER AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD

ESTIMATE OF QUANTITIES

	NO.	STORM DRAIN CONSTRUCTION NOTES	QTY.	UNITS
	(1)	INST. 18" R.C.P. (SEE PROFILE FOR D-LOAD)	266	L.F.
	(2)	INST. 24" R.C.P. (SEE PROFILE FOR D-LOAD)	435	L.F.
	(3)	INST. 30" R.C.P. (SEE PROFILE FOR D-LOAD)	665	L.F.
	(4)	INST. 36" R.C.P. (SEE PROFILE FOR D-LOAD)	468	L.F.
	(5)	CONST. ENERGY DISSIPATOR PER A.P.W.A. STD. PLAN 384-1; W=12'	1	EA.
1	(20)	CONST. CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 405	~~197~~ 235	L.F.
	(21)	CONST. MANHOLE EZ PER CITY OF RIVERSIDE STD. DWG. NO. 431	1	EA.
	(25)	CONST. J.S. "B" PER CITY OF RIVERSIDE STD. DWG. NO. 421	3	EA.
	(26)	CONST. CONCRETE COLLAR PER CITY OF RIVERSIDE STD. DWG. NO. 424	4	EA.
	(27)	CONST. C.S.P. INLET PER CITY OF RIVERSIDE STD. DWG. NO. 412	2	EA.
	(28)	CONST OUTLET HEADWALL PER DETAIL ON SHEET NO. 7 3	4	EA.
	(29)	CONST. RIP-RAP PER DETAIL ON SHEET 1	1600	SQ. FT.
	(31)	CONST. SLOPE ANCHOR PER DETAIL ON SHEET NO. 7 4	1	EA.
	(35)	INST. 18" C.M.P.	40	L.F.
	(36)	CONST. A.C. PAVING PER DETAILS ON SHEET 6	170	CU. YD.
1	(36)	CONST. OUTLET HEADWALL PER DETAIL ON SHEET NO. 8	2	EA
1	(37)	CONST. CLEANOUT BOX PER CITY OF RIVERSIDE STD. DWG. NO. 425, V=3.74'	1	EA
1	(8)	INST. 12" HDPE N-12	1066	L.F.
1	(10)	CONST. 3" DIA. HOLES PER DETAIL ON SHT. 7	3	EA.

UNDERGROUND SERVICE ALERT
Call:Toll FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG
*CAUTION: Remember that the USA Center notifies only those utilities belonging to the center. There could be other utilities present at the work site. The center will inform you of whom they will notify.

CITY OF RIVERSIDE
WATER SYSTEM FOR TR. 28907-1 ONLY
APPROVED BY: [signature]
DATE: 6/25/03

CITY OF RIVERSIDE BUSINESS TAX CERTIFCATE No. 109986 EXP. 2/7/04

19 Spectrum Pointe Drive • Suite 609
Lake Forest, CA 92630
(949) 599-0870
(949) 599-0880 Fax
MAYERS & ASSOCIATES
Civil Engineering, Inc.
PLANNING • ENGINEERING • SURVEYING

APPROVED BY: [signature] DATE: 6/25/03
R.C.E. No. 50318

J.N. 02-0069-02 FOR:

REGISTERED PROFESSIONAL ENGINEER — GARY A. MARTIN — No. 50318 Exp. 6/30/05 — CIVIL — STATE OF CALIFORNIA

INDEXED 8-05-03 GH

MARK	REVISIONS	APPR.	DATE
1	REVISED QUANTITIES & INDEX MAP	RVZ	5-8-03
1	ADDED SHT. 7&8, CONST. NOTES 8&10	RVZ	5-13-03

DESIGNED BY: N.V.N. DRAWN BY: N.V.N. CHECKED BY: G.M.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
STREET SERVICES		

APPROVED BY: [signature] CITY ENGINEER
DATE 7/15/03

STORM DRAIN PLAN & PROFILE TRACT NO. 28907-1

INDEX MAP

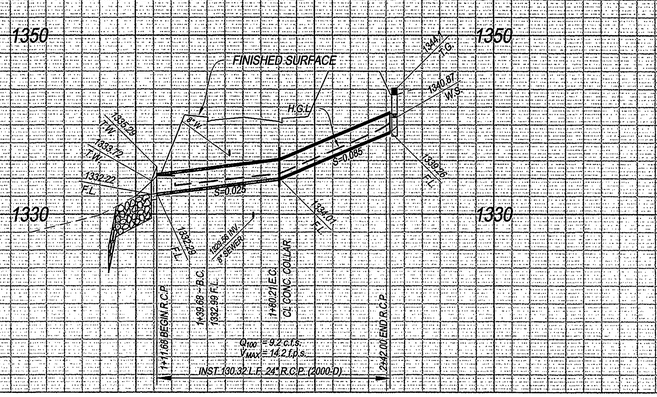
SCALE: AS SHOWN

ACCOUNT No.
DRAWING NUMBER
D-724
SHEET 1 OF 8

Dwg. Revision Date: 06/25/2003 BY: PLOT DATE: 06/25/2003

Job No. 02-0069-02 Bin No. XXX Doc No. XXX CITY OF RIVERSIDE STREET PLAN & PROFILE

P:\02-0069-02 TR 28907 FINAL ENGINEERING\IMPROVEMENTS\STORM DRAIN\TRACT 28907-1\SHT01.DWG


1350
1330
FINISHED SURFACE
H.G.L.
E.G.
1340.87
W.S.
1332.22
T.W.
1330.72
1329.22
T.W.
F.L.
S=0.025
S=0.085
1330.00
F.L.
1329.00
F.L.
1329.00
F.L.
1329.99 B.C.
1332.99 F.L.
1329.99
F.L.
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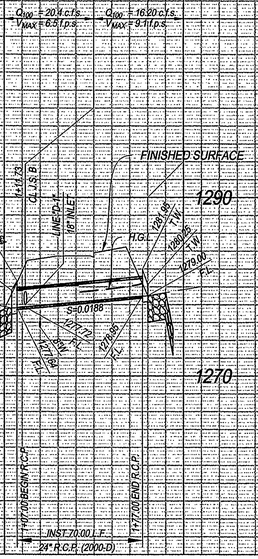
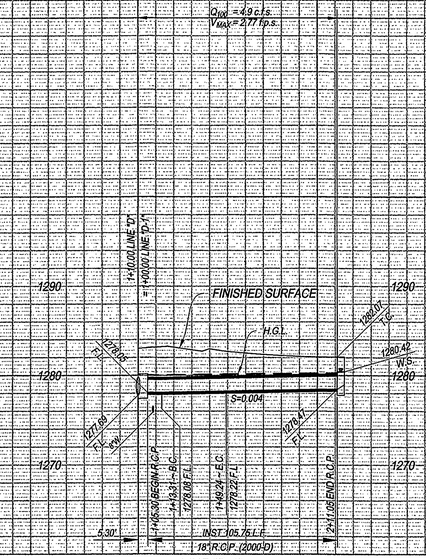
1329

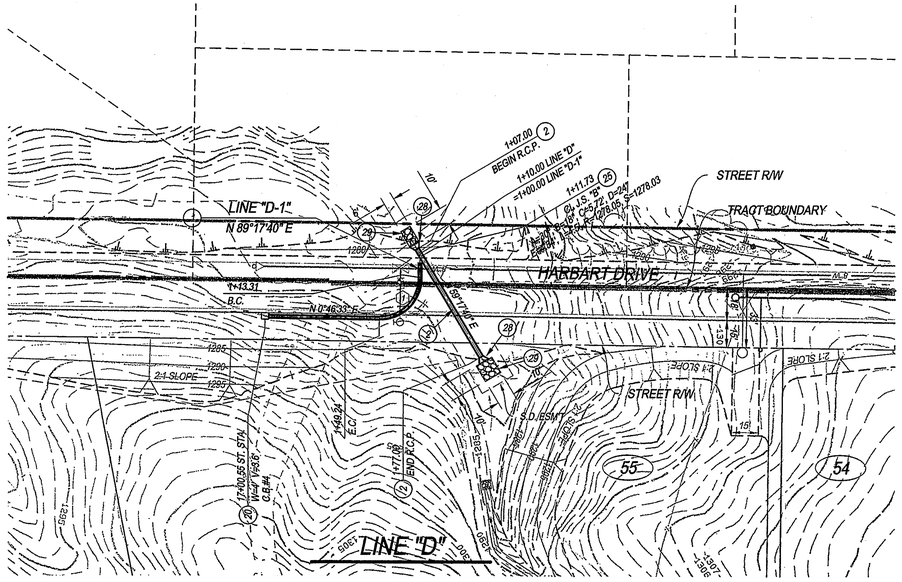


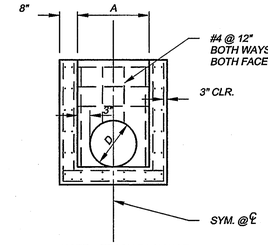
1 LINE "D" 2

SCALE: 1" = 40'

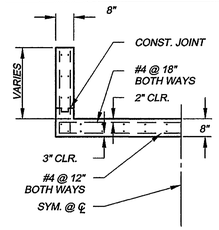


PROFILE SCALES	
HORIZ.:	1" = 40'
VERT.:	1" = 8'

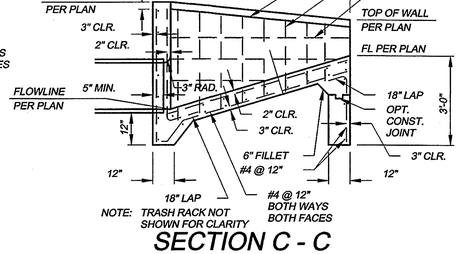




SECTION A - A

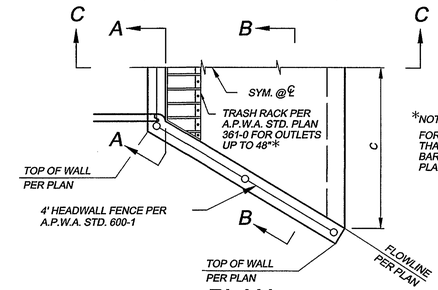


SECTION B - B



SECTION C - C

(NOTE: HEADWALL FENCE NOT SHOWN)



*NOTE: FOR PIPE SIZES GREATER THAN 48" USE PROTECTION BARRIER PER A.P.W.A. STD. PLAN 360-0

PLAN

CONSTRUCTION NOTES

1. INST. 18" R.C.P. (SEE PROFILE FOR D-LOAD)
2. INST. 24" R.C.P. (SEE PROFILE FOR D-LOAD)
20. CONST. CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 405
25. CONST. J.S. B PER CITY OF RIVERSIDE STD. DWG. NO. 421
28. CONST. INLET/OUTLET HEADWALL PER DETAIL HEREON
29. CONST. RIP-RAP PER DETAIL ON SHEET 1

LINE "D" DATA TABLE

	BEARING/DELTA	RADIUS	LENGTH	TANGENT
1	91°28'52"	22.50	35.92	23.09

BENCH MARK DESCRIPTION:

POINT ID: GPS-69
ELEVATION: 1083.685 ELEVATION: 0 ELEVATION: 0 ELEVATION: 0
DATE LVLD: 1998 DATE LVLD: 0 DATE LVLD: 0 DATE LVLD: 0
REFERENCE: LL45/69
DATUM: 1929 ADJUSTMENT YEAR: 1971
2ND ORDER POINT
DESCRIPTION:
G.P.S. POINT 69 - A 2 1/2" BRASS DISK STAMPED "CITY OF RIVERSIDE GPS STATION 69 - 1991" SET IN THE NORTH END OF A CATCH BASIN 1' EAST OF THE EAST CURB OF WASHINGTON STREET AND 3' SOUTH OF THE BCR AT THE SOUTHEAST CURB RETURN OF WASHINGTON STREET AND BRADLEY STREET.
(COMBINED LEVELS - R.B.F. AND CITY) MISC. LEVEL WORK

REGISTERED PROFESSIONAL ENGINEER — GARY A. MARTIN — No. 50318 Exp. 6/30/05 — CIVIL — STATE OF CALIFORNIA

28 INLET/OUTLET HEADWALL DETAIL

N.T.S.

DIMENSIONS

LINE	A	B	C	D
"H"	3.5'	5.0'	4.5'	36"
"A","B"&"D"	2.5'	3.0'	3.0'	24"

INDEXED 8-05-03 GH

UNDERGROUND SERVICE ALERT
DIG ALERT IDENTIFICATION NO. 1
Call:Toll FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG
*CAUTION: Remember that the USA Center notifies only those utilities belonging to the center. There could be other utilities present at the work site. The center will inform you of whom they will notify.

19 Spectrum Pointe Drive • Suite 609
Lake Forest, CA 92630
(949) 599-0870
(949) 599-0880 Fax
AYERS & ASSOCIATES
Civil Engineering, Inc.
PLANNING • ENGINEERING • SURVEYING

APPROVED BY: _____ DATE: 6/25/03
R.C.E. No. 50318

J.N. 02-0069-02 FOR:

MARK	REVISIONS	APPR.	DATE
1	ADDED SHT. 7&8	DLZ	5.13.04

DESIGNED BY: N.V.N. DRAWN BY: N.V.N. CHECKED BY: G.M.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER			
PARK DEPARTMENT			CITY ENGINEER
TRAFFIC DIVISION			
STREET SERVICES			DATE 7/15/03

STORM DRAIN PLAN & PROFILE
TRACT NO. 28907-1
LINE "D"

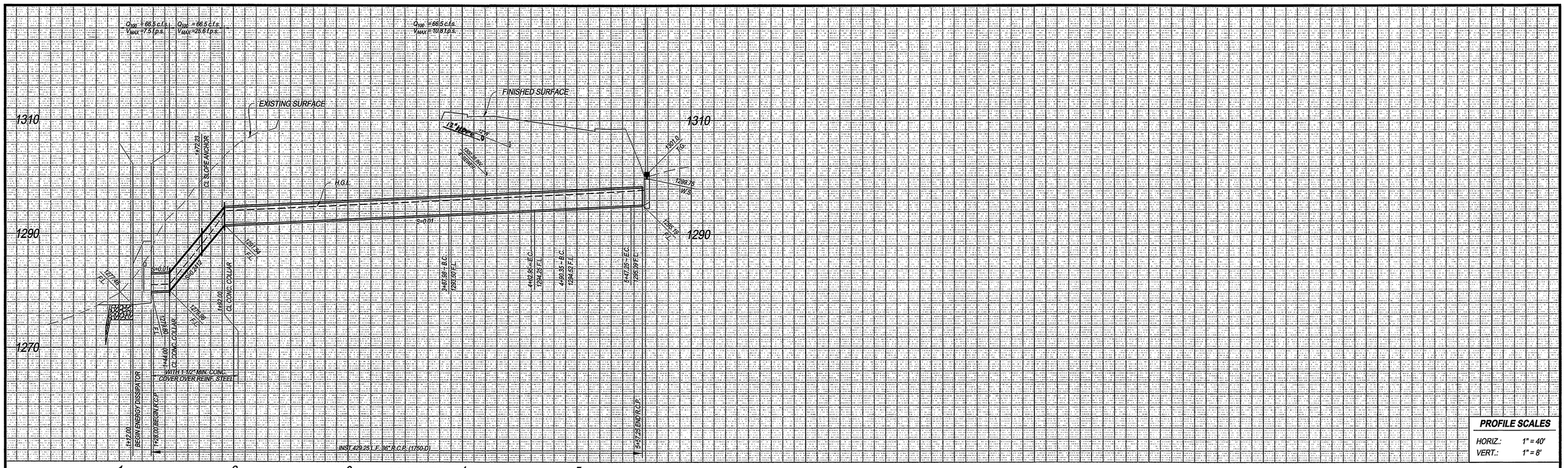
SCALE: AS SHOWN

ACCOUNT No.
DRAWING NUMBER
D-724
SHEET 3 OF 8

Dwg. Revision Date: 06/25/2003 BY: nvn PLOT DATE: 06/25/2003

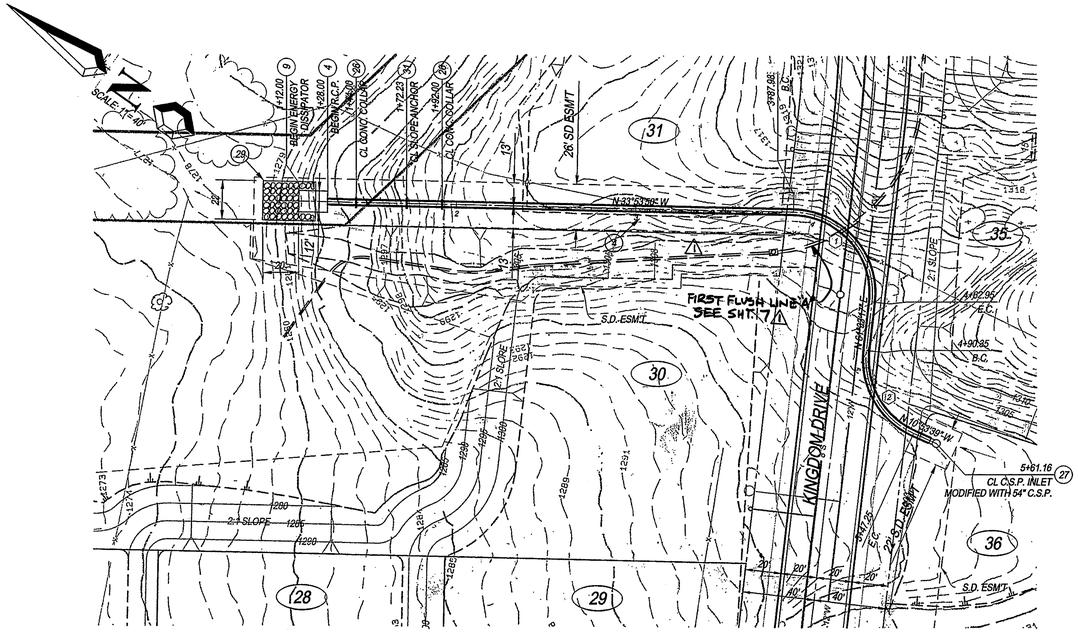
P:\02-0069-02 TR 28907 FINAL ENGINEERING\IMPROVEMENTS\STORM DRAIN\TRACT 28907-1\SHT03.DWG

Job No. 02-0069-02 Bin No. XXX Doc No. XXX CITY OF RIVERSIDE STORM DRAIN PLAN & PROFILE



PROFILE SCALES

HORIZ.:	1" = 40'
VERT.:	1" = 8'



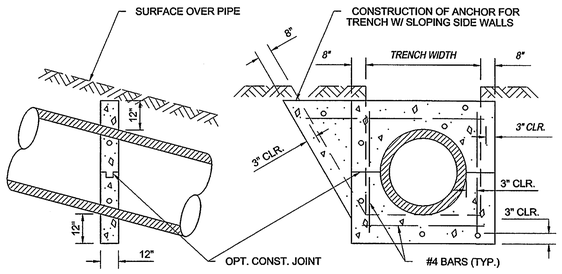
LINE "F"

LINE "F" DATA TABLE

	BEARING/DELTA	RADIUS	LENGTH	TANGENT
1	95°27'07"	45.00	74.97	50.00
2	72°26'56"	45.00	56.90	32.96

CONSTRUCTION NOTES

4 — INST. 36" R.C.P. (SEE PROFILE FOR D-LOAD)
9 — CONST. ENERGY DISSIPATOR PER A.P.W.A. STD. PLAN 384-1; W=12'
26 — CONST. CONCRETE COLLAR PER CITY OF RIVERSIDE STD. DWG. NO. 424
27 — CONST. C.S.P. INLET PER CITY OF RIVERSIDE STD. DWG. NO. 412
29 — CONST. RIP-RAP PER DETAIL ON SHEET 1
31 — CONST. SLOPE ANCHOR PER DETAIL HEREON



NOTES:
1. SLOPE ANCHORS SHALL BE CONSTRUCTED AT 7' VERTICAL INTERVAL ON ALL SLOPES OF 5:1 OR STEEPER.
2. CONCRETE SHALL BE CLASS 500-C-2500 CONCRETE.

31 SLOPE ANCHOR DETAIL
N.T.S.

BENCH MARK DESCRIPTION:

POINT ID: GPS-69
ELEVATION: 1083.685 *ELEVATION: 0* *ELEVATION: 0* *ELEVATION: 0*
DATE LVLD: 1998 *DATE LVLD: 0* *DATE LVLD: 0* *DATE LVLD: 0*
REFERENCE: LL45/69
DATUM: 1929 *ADJUSTMENT YEAR: 1971*
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(COMBINED LEVELS - R.B.F. AND CITY) MISC. LEVEL WORK

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(949) 599-0870
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MYERS & ASSOCIATES
Civil Engineering, Inc.
PLANNING • ENGINEERING • SURVEYING

APPROVED BY: _____ DATE: 6/25/03
R.C.E. No. 50318

J.N. 02-0069-02 FOR:

REGISTERED PROFESSIONAL ENGINEER GARY A. MARTIN No. 50318 Exp. 6/30/05 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
1	ADDED SHT. 7 "B" AND FIRST FLUSH S.D.	RVZ	5-13-04

DESIGNED BY: N.V.N. DRAWN BY: N.V.N. CHECKED BY: G.M.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

	BY	DATE
APPROVED BY		
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
STREET SERVICES		

APPROVED BY: _____ CITY ENGINEER
DATE 7/15/03

INDEXED 8-05-03 LFH

STORM DRAIN PLAN & PROFILE
TRACT NO. 28907-1
LINE "F"

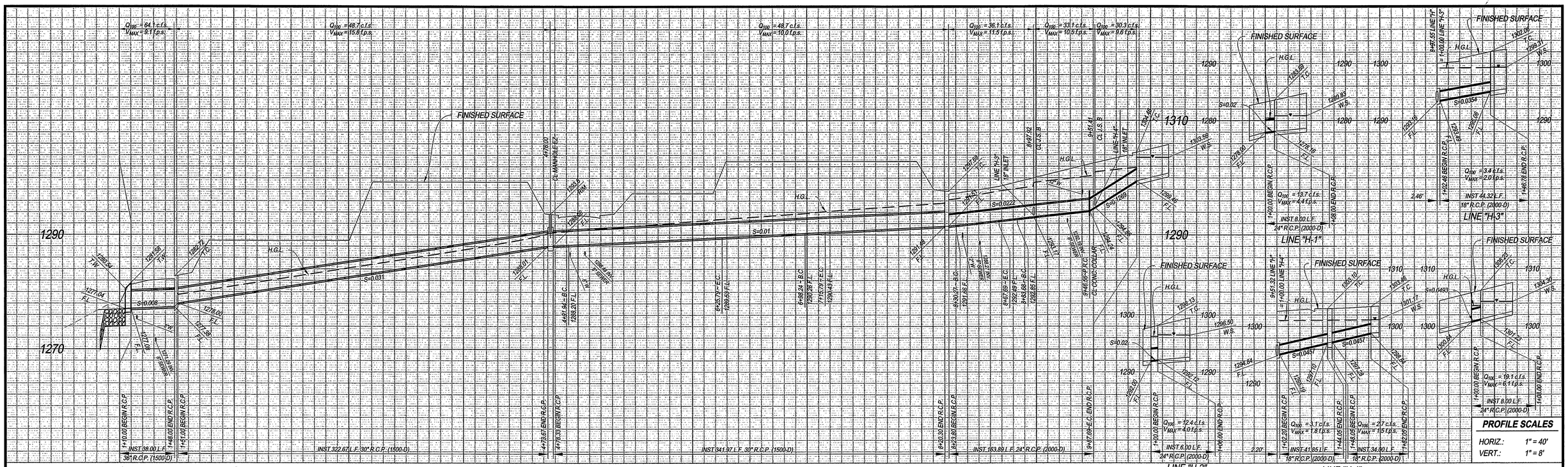
SCALE: AS SHOWN

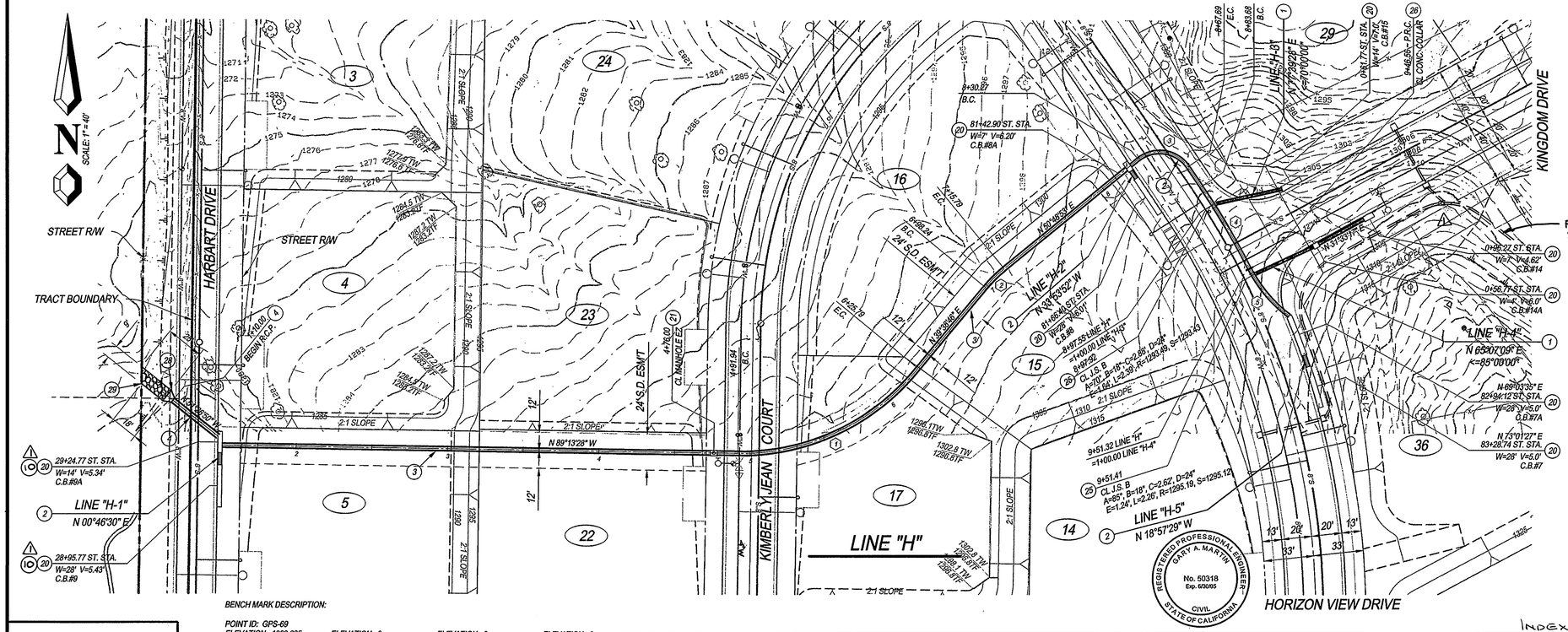
ACCOUNT No.
DRAWING NUMBER
D-724
SHEET 4 OF 88

Dwg. Revision Date: 06/25/2003 BY: nvn PLOT DATE: 06/25/2003

Job No. 02-0069-02 Bin No. XXX Doc No. XXX CITY OF RIVERSIDE STORM DRAIN PLAN & PROFILE

P:\02-0069-02 TR 28907 FINAL ENGINEERING\IMPROVEMENTS\STORM DRAIN\TRACT 28907-1\SHT04.DWG





CONSTRUCTION NOTES

1. INST. 18" R.C.P. (SEE PROFILE FOR D-LOAD)
2. INST. 24" R.C.P. (SEE PROFILE FOR D-LOAD)
3. INST. 30" R.C.P. (SEE PROFILE FOR D-LOAD)
4. INST. 36" R.C.P. (SEE PROFILE FOR D-LOAD)
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21. CONST. MANHOLE EZ PER CITY OF RIVERSIDE STD. DWG. NO. 431
25. CONST. J.S. B PER CITY OF RIVERSIDE STD. DWG. NO. 421
26. CONST. CONCRETE COLLAR PER CITY OF RIVERSIDE STD. DWG. NO. 424
28. CONST. OUTLET HEADWALL PER DETAIL ON SHEET 3
29. CONST. RIP-RAP PER DETAIL ON SHEET 1
10. CONST 3" DIA. HOLES PER DETAIL ON SHT. 7

FIRST FLUSH LINE "B" SEE SHT. 7

DATA TABLE

	BEARING/DELTA	RADIUS	LENGTH	TANGENT
1	51°07'46"	150.00	133.86	71.75
2	11°10'07"	90.00	17.54	8.80
3	95°17'15"	22.50	37.42	24.68
4	7°03'00"	511.00	62.88	31.48
5	26°10'59"	90.00	41.13	20.93

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MYERS & ASSOCIATES
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Lake Forest, CA 92630
(949) 599-0870
(949) 599-0880 Fax

APPROVED BY: [signature] DATE: 6/25/03
R.C.E. No. 60358
J.N. 02-0069-02 FOR:

MARK	REVISIONS	APPR.	DATE
1	SHOW FIRST FLUSH S.D.	RVZ	5-13-03
2	ADDED CONST. NOTE 10 & SHT. 7&8		

DESIGNED BY: N.V.N. DRAWN BY: N.V.N. CHECKED BY: G.M.

REGISTERED PROFESSIONAL ENGINEER
GARY A. MARTIN
No. 50318
Exp. 6/30/05
CIVIL
STATE OF CALIFORNIA

INDEXED 8-05-03 LH

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
STREET SERVICES		

APPROVED BY: [signature] CITY ENGINEER
DATE 7/15/03

STORM DRAIN PLAN & PROFILE TRACT NO. 28907-1 LINE "H"

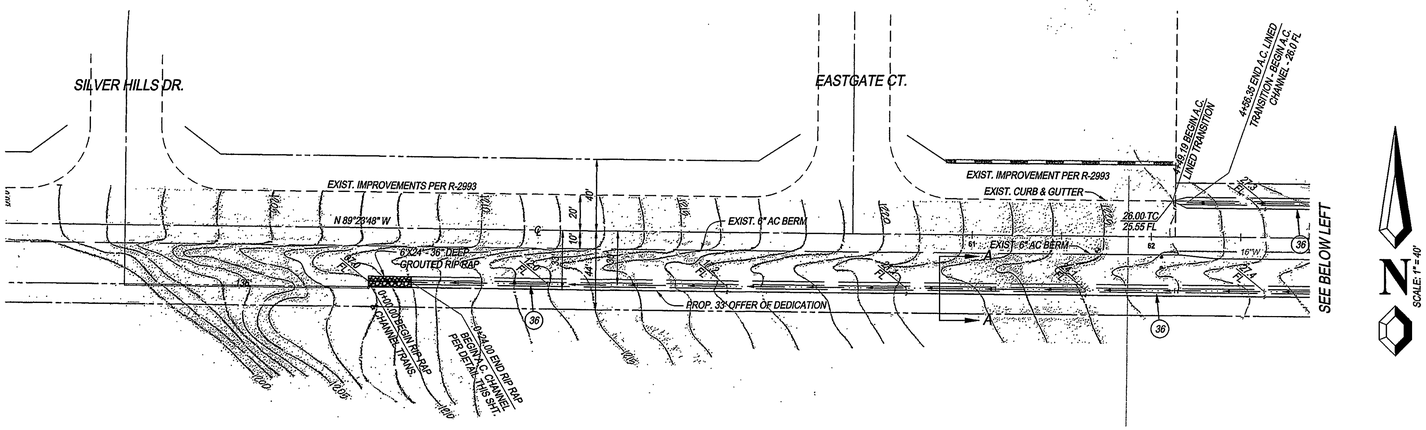
SCALE: AS SHOWN

ACCOUNT No.
DRAWING NUMBER
D-724
SHEET 5 OF 8

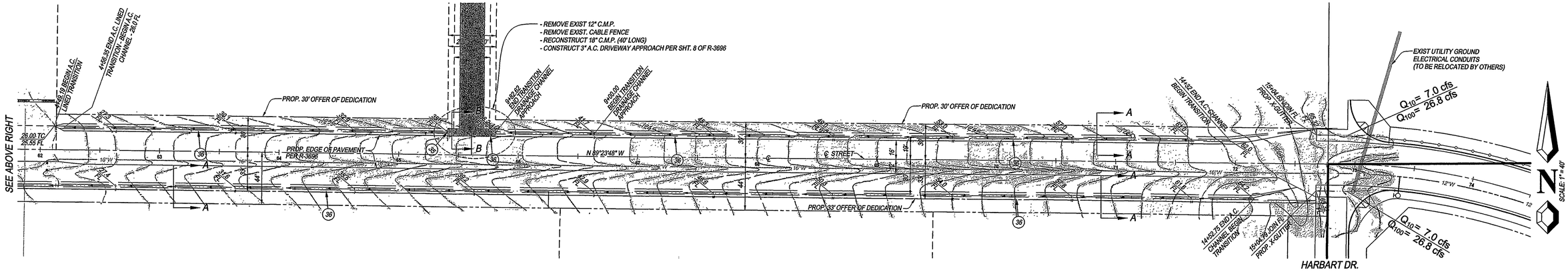
Dwg. Revision Date: 06/25/2003 BY: nvn PLOT DATE: 06/25/2003

P:\02-0069-02 TR 28907 FINAL ENGINEERING\IMPROVEMENTS\STORM DRAIN\TRACT 28907-1\SHT05.DWG

Job No. 02-0069-02 Bin No. XXX Doc No. XXX CITY OF RIVERSIDE STORM DRAIN PLAN & PROFILE

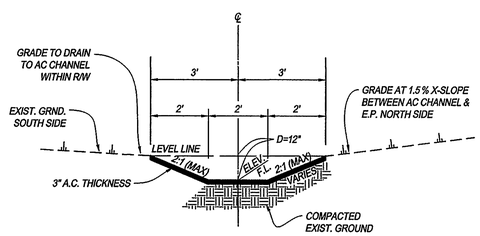


BRADLEY STREET



BRADLEY STREET

HARBART DR.



DRAINAGE CHANNEL

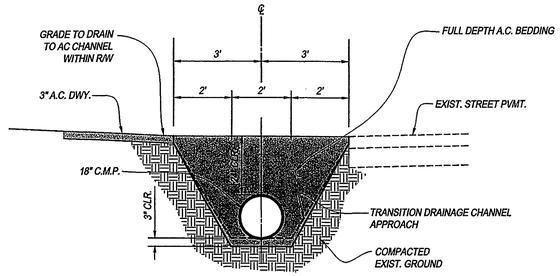
N.T.S.

SECTION "A-A"

CONSTRUCTION NOTES

(35) — INST. 18" C.M.P.

(36) — CONST. A.C. PAVING PER DETAILS HEREON



SECTION "B-B"

N.T.S.

REGISTERED PROFESSIONAL ENGINEER
GARY A. MARTIN
No. 50318
Exp. 6/30/05
CIVIL
STATE OF CALIFORNIA

INDEXED 8-05-03 GH

UNDERGROUND SERVICE ALERT
DIAL BEFORE YOU DIG
Call Toll FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

"CAUTION": Remember that the USA Center notifies only those utilities belonging to the center. There could be other utilities present at the work site. The center will inform you of whom they will notify.

BENCH MARK DESCRIPTION:

POINT ID: GPS-69
ELEVATION: 1083.685 ELEVATION: 0 ELEVATION: 0 ELEVATION: 0
DATE LVLD: 1998 DATE LVLD: 0 DATE LVLD: 0 DATE LVLD: 0
REFERENCE: LL45/69
DATUM: 1929 ADJUSTMENT YEAR: 1971
2ND ORDER POINT
DESCRIPTION:
G.P.S. POINT 69 - A 2 1/2" BRASS DISK STAMPED "CITY OF RIVERSIDE GPS STATION 69 - 1991" SET IN THE NORTH END OF A CATCH BASIN 1' EAST OF THE EAST CURB OF WASHINGTON STREET AND 3' SOUTH OF THE BCR AT THE SOUTHEAST CURB RETURN OF WASHINGTON STREET AND BRADLEY STREET.
(COMBINED LEVELS - R.B.F. AND CITY) MISC. LEVEL WORK

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APPROVED BY: _____ DATE: 6/25/03
R.C.E. No. 50318

J.N. 02-0069-02 FOR:

MARK	REVISIONS	APPR.	DATE
1	ADDED SHT. 7&8	BZ	5-8-04

DESIGNED BY: N.V.N. DRAWN BY: N.V.N. CHECKED BY: G.M.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		7/15/03
PARK DEPARTMENT		
TRAFFIC DIVISION		
STREET SERVICES		7/15/03

APPROVED BY: _____ CITY ENGINEER
DATE 7/15/03

STORM DRAIN PLAN & PROFILE
TRACT NO. 28907-1
OFFISTE DRAINAGE DITCH

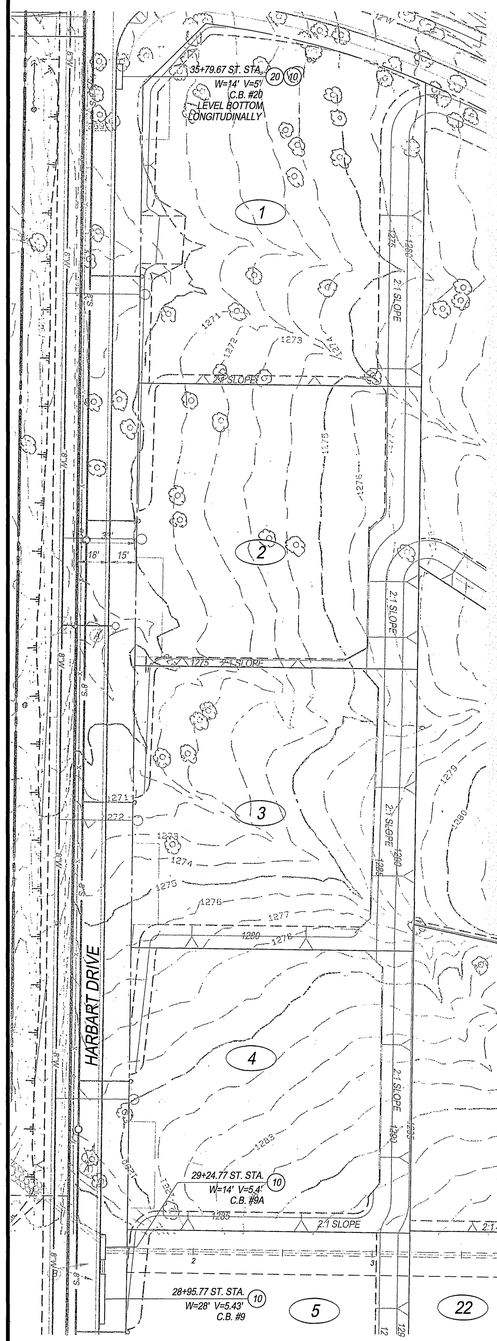
SCALE: AS SHOWN

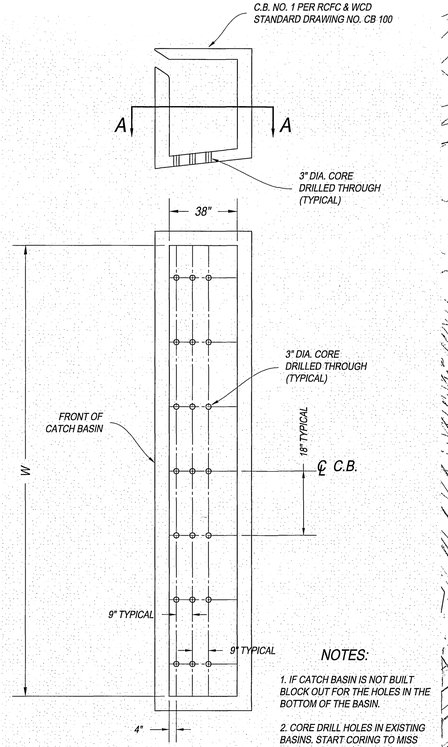
ACCOUNT No.
DRAWING NUMBER
D-724
SHEET 6 OF 28

Dwg. Revision Date: 06/25/2003 BY: nvn PLOT DATE: 06/25/2003

P:\02-0069-02 TR 28907 FINAL ENGINEERING\IMPROVEMENTS\STORM DRAIN\TRACT 28907-1\SHT06.DWG

Job No. 02-0069-02 Bin No. XXX Doc No. XXX CITY OF RIVERSIDE STORM DRAIN PLAN & PROFILE



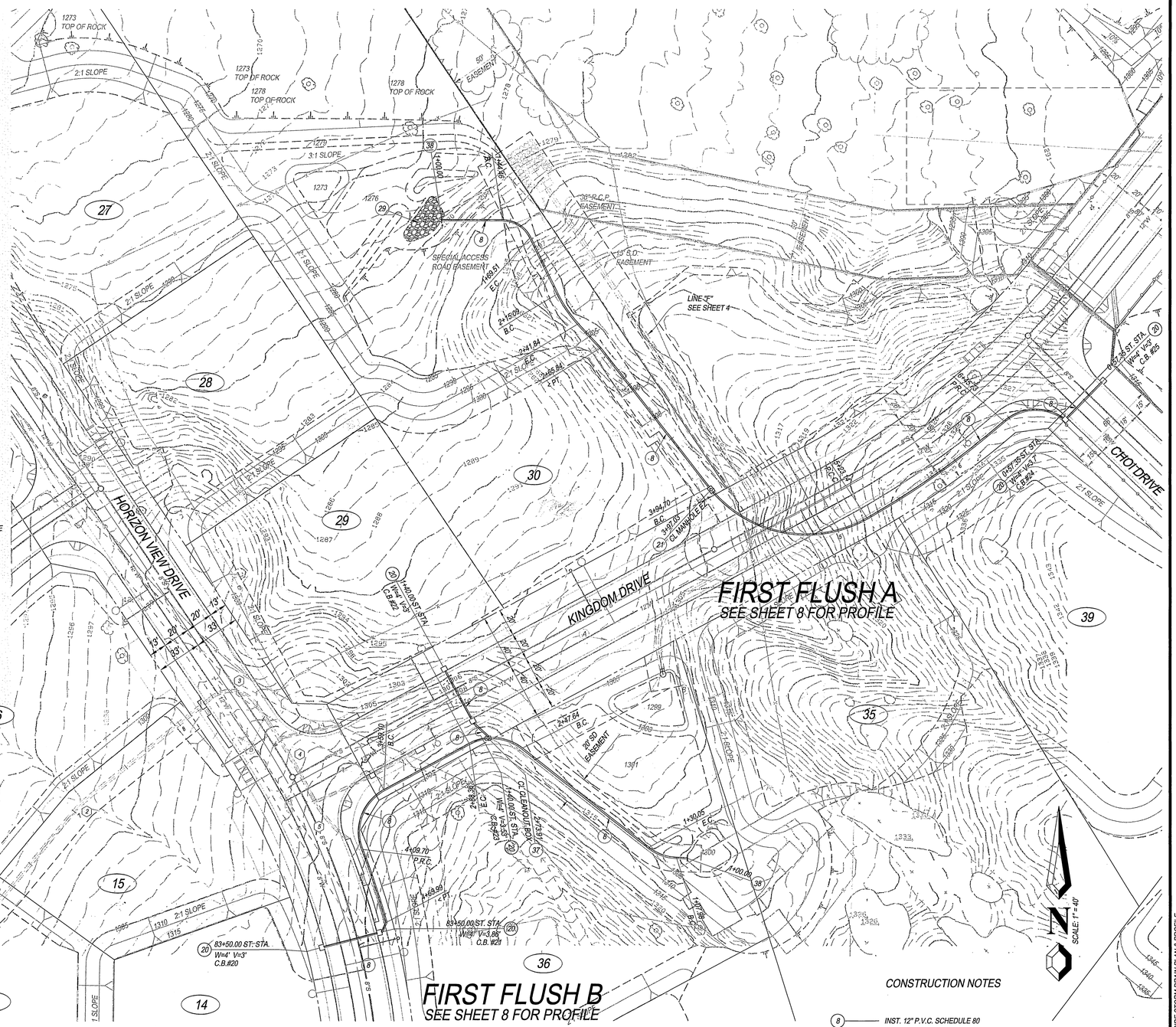


NOTES:

1. IF CATCH BASIN IS NOT BUILT BLOCK OUT FOR THE HOLES IN THE BOTTOM OF THE BASIN.
2. CORE DRILL HOLES IN EXISTING BASINS. START CORING TO MISS REINFORCING STEEL.

SECTION A-A

10 **CORE DRILL DETAIL**
N.T.S.



CONSTRUCTION NOTES

(8) INST. 12" P.V.C. SCHEDULE 80
(10) CONST. 3" DIA HOLES PER DETAIL HEREON
(20) CONST. CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 405
(21) CONST. MANHOLE EZ PER CITY OF RIVERSIDE STD. DWG. NO. 431
(29) CONST. RIP-RAP PER DETAIL ON SHEET 1
(37) CONST. CLEANOUT BOX PER CITY OF RIVERSIDE STD. DWG. NO. 425, V=3.74'
(38) CONST. OUTLET HEADWALL PER DETAIL ON SHEET NO. 8

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APPROVED BY: _____ DATE: 5/17/04
R.C.E. No. 50318

J.N. 02-0069-02 FOR:

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: N.V.N. DRAWN BY: N.V.N. CHECKED BY: G.M.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
* STREET SERVICES		

APPROVED BY _____ CITY ENGINEER
DATE 5/18/04

STORM DRAIN PLAN & PROFILE
TRACT NO. 28907-1

SCALE: AS SHOWN

ACCOUNT No.
DRAWING NUMBER
D-724
SHEET 7 OF 8

Dwg. Revision Date: 05/17/2004 BY: S.Z.G. PLOT DATE: 05/17/2004

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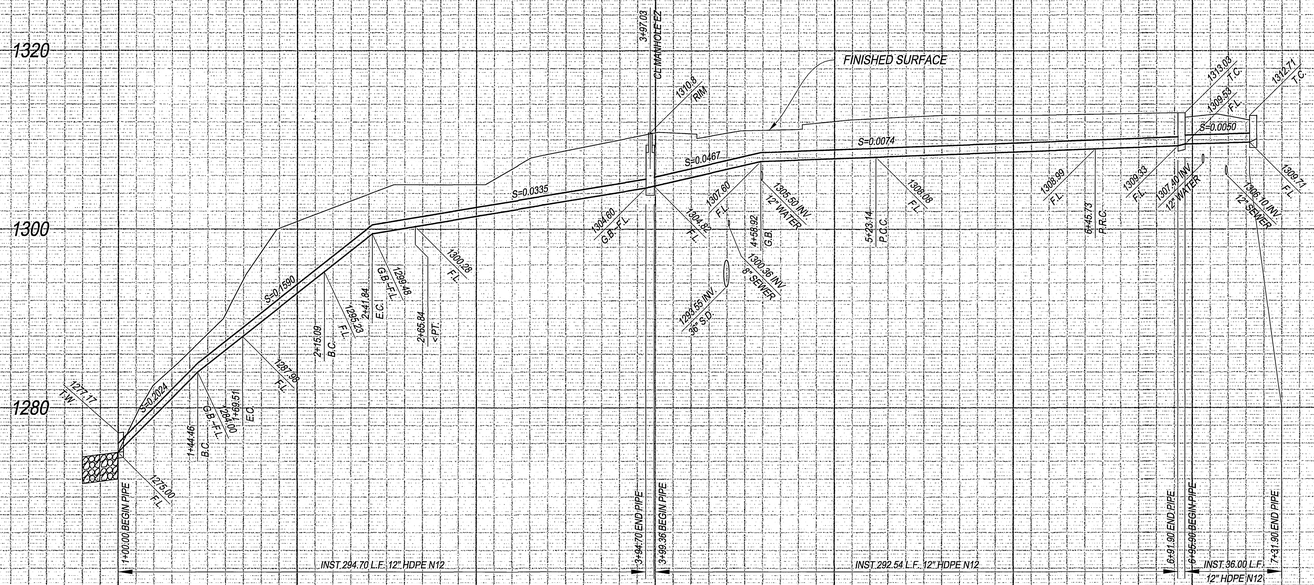
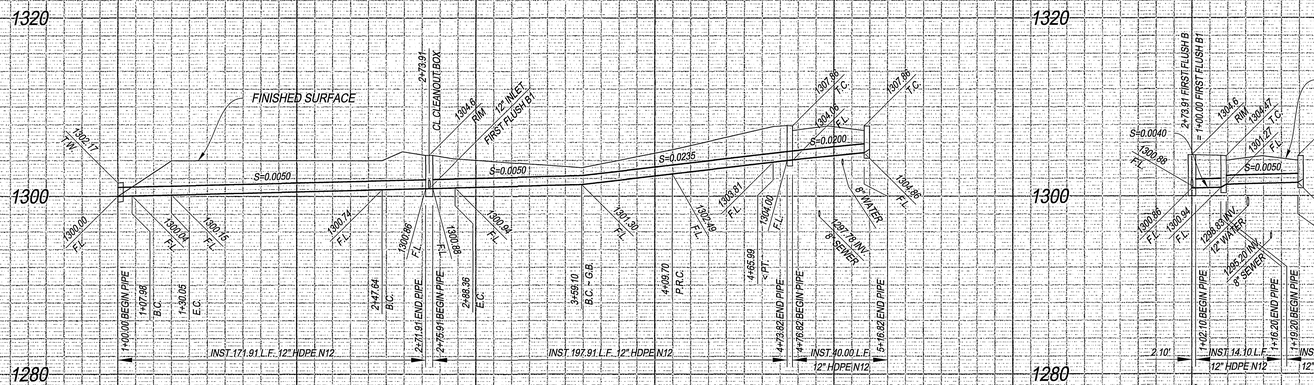
Job No. 02-0069-02 Bin No. XXX Doc No. XXX CITY OF RIVERSIDE STORM DRAIN PLAN & PROFILE



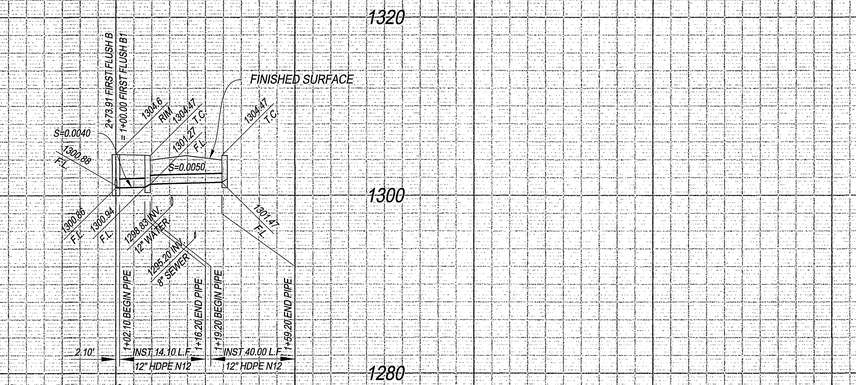
FIRST FLUSH A

SEE SHEET 7 FOR PLAN

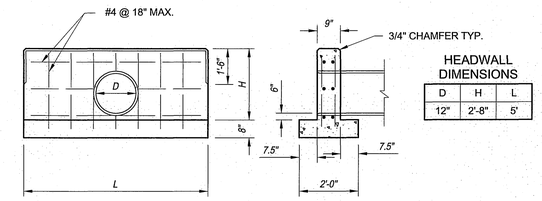


FIRST FLUSH B

SEE SHEET 7 FOR PLAN



FIRST FLUSH B1



HEADWALL DIMENSIONS

D	H	L
12"	2'-8"	5'

NOTE: CONCRETE SHALL BE 564-C-3000

38 **HEADWALL DETAIL**

N.T.S.

PROFILE SCALES

HORIZ.: 1" = 40'

VERT.: 1" = 8'

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APPROVED BY: _____ R.C.E. No. 50318 DATE: 5/17/04

J.N. 02-0069-02 FOR:

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: N.V.N. DRAWN BY: N.V.N. CHECKED BY: G.M.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
STREET SERVICES		

APPROVED BY _____ CITY ENGINEER

DATE 5/19/04

STORM DRAIN PLAN & PROFILE TRACT NO. 28907-1

SCALE: AS SHOWN

ACCOUNT No.

DRAWING NUMBER

D-724

SHEET 8 OF 8

Dwg. Revision Date: **05/13/2004** BY: **S.Z.G.** PLOT DATE: **05/17/2004**

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