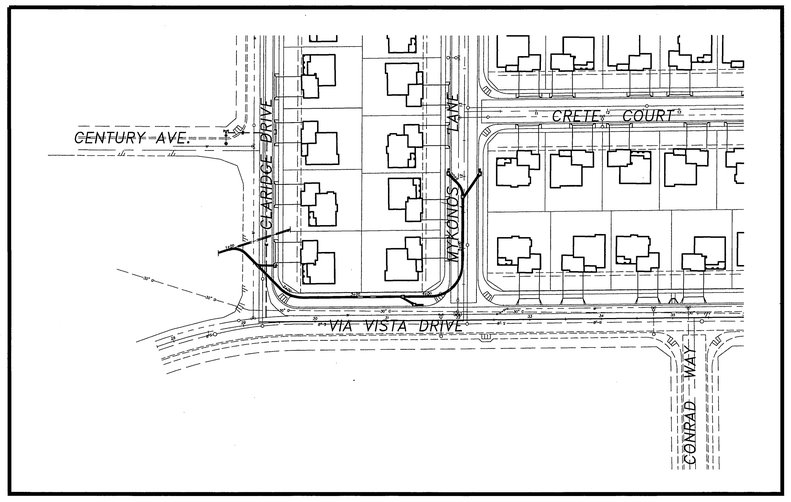
CITY OF RIVERSIDE
STORM DRAIN PLAN AND PROFILE
TRACT 29041

GENERAL NOTES

1. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECT WITHIN THE PUBLIC-RIGHT-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 CONDITION.
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 ACCEPTABLE SOLUTIONS 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.
8. 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.
9. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
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 SHALL CONFORM TO CITY OF RIVERSIDE STANDARD DRAWING 452, CASE 1, AND TO GEOTECHNICAL REVIEW OF GRADING AND FOUNDATION RECOMMENDATIONS REPORT DATED OCT. 18, 1999 – PAGE 13 – SECTION 4.12 UTILITIES, PREPARED BY KLEINFELDER, INC.

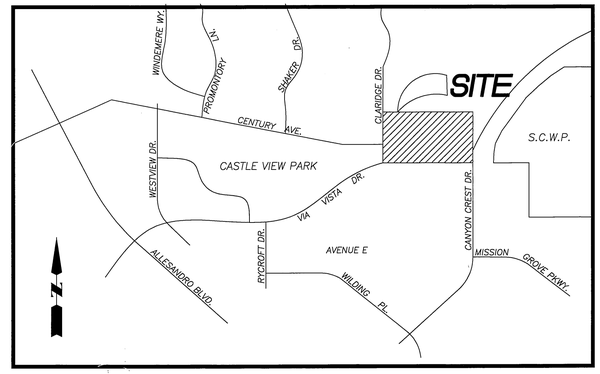


INDEX MAP
1" = 100'

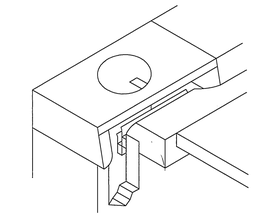
SCALE: 1" = 100'

0 50 100 200 300

SCALE IN FEET



VICINITY MAP
N.T.S.



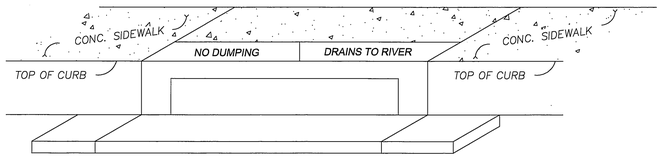
FOSSIL FILTER DETAIL
N.T.S.

SHEET INDEX

1 TITLE SHEET/VICINITY MAP/GENERAL NOTES/ CONSTRUCTION NOTES/ QUANTITIES / SHEET INDEX MAP
2 STORM DRAIN PLAN AND PROFILE DRAWING

CONSTRUCTION NOTES / ESTIMATED QUANTITIES

(1)	CONSTRUCT 18" RCP, D-LOAD PER PROFILE.	33 LF
(2)	CONSTRUCT 24" RCP, D-LOAD PER PROFILE.	525 LF
(3)	CONSTRUCT JUNCTION STRUCTURE 'B' PER CITY OF RIVERSIDE STD.421. A=45°00'00" B=18", C=3.65', D=24", E=3.18", L=3.20' ELEV. R=1296.95, ELEV. S=1296.70	1 EA
(4)	CONSTRUCT MANHOLE STRUCTURE PER CITY OF RIVERSIDE STD. 431, H=4.0'.	2 LF
(5)	CONSTRUCT CONCRETE COLLAR (24"RCP) PER CITY OF RIVERSIDE STD. 424.	2 LF
(6)	CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. 407. V=4.83', L=8.0'.	1 EA
(7)	CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. 407. V=5.64', L=8.0'.	1 EA
(8)	CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. 407. V=3.70', L=14.0'	1 EA
(9)	CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. 405. V=3.69', L=4.0'.	1 EA
(10)	CONSTRUCT MONOLITHIC CATCH BASIN CORNER CONNECTION PER DETAIL ON SHEET 2.	3 EA
(11)	CONSTRUCT 1/4 TON CONCRETE GROUTED ROCK SLOPE PROTECTION (T=3.0'), TYPE B PLACEMENT, WITH THE UPPER 6" EXPOSED AND 1.25' THICK ROCK BACKING NO. 2 PER CALTRANS STD. SPEC. 72-5; AND TYPE A SLOPE PROTECTION FABRIC PER CALTRANS STD. SPEC. 88-1.	28 CY
(12)	STENCIL CATCH BASIN FACE PER DETAIL SHOWN IN SHEET 1.	4 EA
(13)	INSTALL FOSSIL FILTER CATCH BASIN INSERT PER DETAIL SHOWN ON SHEET 1 AND MANUFACTURER'S SPECIFICATIONS OR APPROVED EQUAL. (KRISTAR ENTERPRISES, INC. 800-579-8819)	4 EA



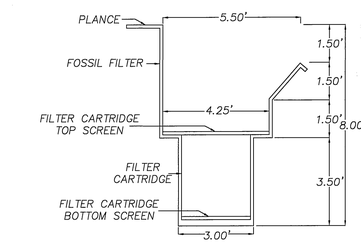
CATCH BASIN STENCILING DETAIL
N.T.S.

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

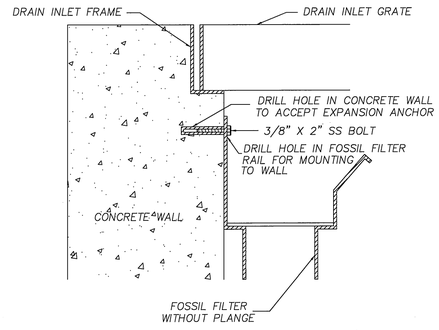
(B) PLACE BOTH STENCILS CENTERED WITHIN THE CATCHBASIN OPENING AND WITHIN THE TOP OF CURB.

(C) SPRAY BOTH STENCILS WITH WHITE PAINT.

(D) REMOVE STENCILS WHEN PAINT IS DRY.



FOSSIL FILTER DIMENSION DETAIL
N.T.S.



FOSSIL FILTER WALL DETAIL
N.T.S.

CITY OF RIVERSIDE
WATER SYSTEM

Richard L. Brodnik — APPROVED BY: — 4/28/00 DATE:

BOTH SHEETS, 1 AND 2

VOID ONE YEAR FROM THIS DATE

BENCH MARK

1" IP WITH PLASTIC PLUG STAMPED LS 3018 FLUSH AT THE INTERSECTION OF VIA VISTA DRIVE AND CLARIDGE DRIVE EL=1302.588

CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT-ELECTRIC
OVERHEAD AND UNDERGROUND

BOTH SHEETS, 1 AND 2

John L Seavy — APPROVED BY — 4-25-00 DATE

REGISTERED PROFESSIONAL ENGINEER — ERWIN R. FOSERSON — No. 049060 Exp. 9/30/00 — CIVIL — STATE OF CALIFORNIA

CHECKED BY:	DRAWN BY:	APPROVED BY:
JP	FM	EF

PLANS PREPARED UNDER THE SUPERVISION OF:

ERWIN R. FOSERSON R.C.E. NO. 49060 — 4/25/00 DATE

AEI•CASC ENGINEERING
937 SOUTH VIA LATA
SUITE 500
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS TAX CERT. NO. 056587 EXP. DATE 10/14/00

MARK	REVISIONS	APPR	DATE

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

	APPROVED BY	DATE	BY
PRINCIPAL ENGINEER			
PARK DEPARTMENT			
TRAFFIC DIVISION			
P.W. ENGINEERING MGR.		5/1/00 4/25/00	TJB
STREET SERVICES			

APPROVED BY: R. McGrath
PUBLIC WORKS DIRECTOR
DATE 5-2-2000

STORM DRAIN PLAN AND PROFILE

TRACT NO. 29041

CLARIDGE DR., MYKONOS LANE & VIA VISTA DR.

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

ACCOUNT NO.

D-679

SHEET 1 OF 2

PC-4222-S

INDEXED 6/20/2000 GH

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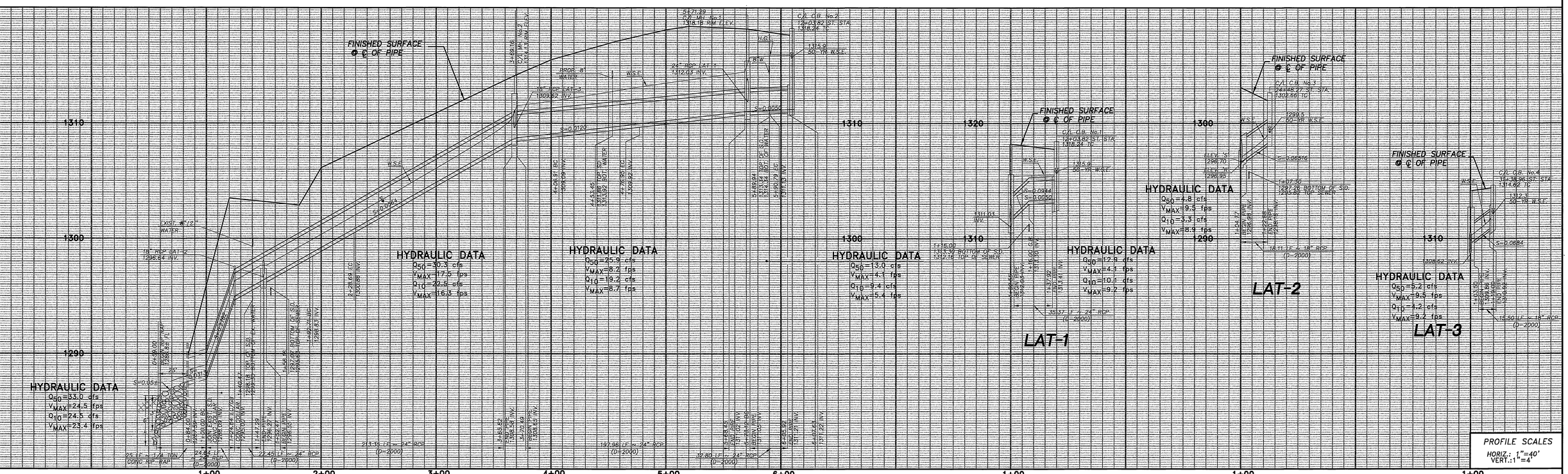
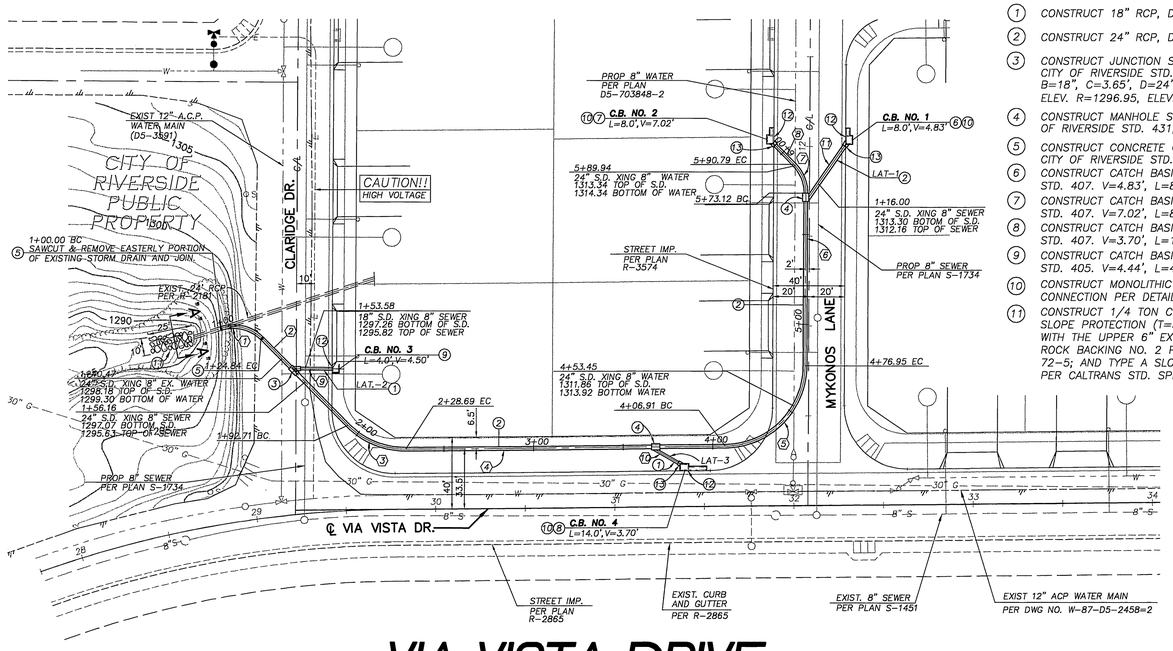




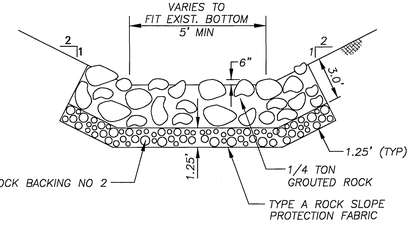
VIA VISTA DRIVE

CONSTRUCTION NOTES

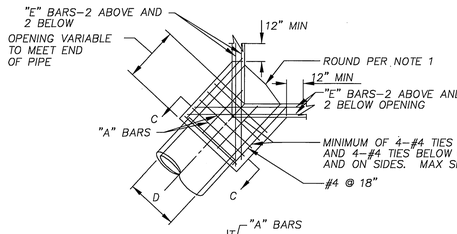
1. CONSTRUCT 18" RCP, D-LOAD PER PROFILE.
2. CONSTRUCT 24" RCP, D-LOAD PER PROFILE.
3. CONSTRUCT JUNCTION STRUCTURE 'B' PER CITY OF RIVERSIDE STD.421. A=45°00'00" B=18", C=3.65', D=24", E=3.18", L=3.20' ELEV. R=1296.95, ELEV. S=1296.70
4. CONSTRUCT MANHOLE STRUCTURE PER CITY OF RIVERSIDE STD. 431, H=4.0'.
5. CONSTRUCT CONCRETE COLLAR (24"RCP) PER CITY OF RIVERSIDE STD. 424.
6. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. 407. V=4.83', L=8.0'.
7. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. 407. V=7.02', L=8.0'.
8. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. 407. V=3.70', L=14.0'
9. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. 405. V=4.44', L=4.0'.
10. CONSTRUCT MONOLITHIC CATCH BASIN CORNER CONNECTION PER DETAIL HEREON.
11. CONSTRUCT 1/4 TON CONCRETE GROUTED ROCK SLOPE PROTECTION (T=3.0'), TYPE B PLACEMENT, WITH THE UPPER 6" EXPOSED AND 1.25' THICK ROCK BACKING NO. 2 PER CALTRANS STD. SPECS. 72-5; AND TYPE A SLOPE PROTECTION FABRIC PER CALTRANS STD. SPEC. 88-1.
12. STENCIL CATCH BASIN FACE PER DETAIL SHOWN IN SHEET 1.
13. INSTALL FOSSIL FILTER CATCH BASIN INSERT PER DETAIL SHOWN ON SHEET 1 AND MANUFACTURER'S SPECIFICATIONS OR APPROVED EQUAL. (KRISTAR ENTERPRISES, INC. 800-579-8819)

CURVE/LINE DATA

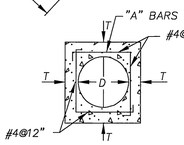
	DELTA	RADIUS	LENGTH/DIST.	TANGENT
1	63°15'19"	22.50'	24.84'	13.86'
2	N44°44'49"W	–	67.87'	–
3	45°49'04"	45.00'	35.99'	19.02'
4	N89°26'07"E	–	178.22'	–
5	89°10'56"	45.00'	70.04'	44.04'
6	N00°15'11"E	–	96.16'	–
7	45°00'00"	22.50'	17.67'	9.32'
8	N44°44'49"W	–	16.84'	–
9	N89°44'49"W	–	22.88'	–
10	N60°33'53"W	–	15.50'	–
11	N34°47'08"E	–	36.60'	–



SECTION A-A
NTS



STEEL SCHEDULE			
D (in)	T (in)	"A"	"B"-"C"
12	4	#4 @ 6 in C-C	#5
18	4.5		
24	5.25		
30	6		
36	6.5		
42	7.5		



SECTION C-C

NOTES:
1. ROUND EDGE OF OUTLET TO 75 mm RADIUS.
2. REINFORCEMENT SHALL BE 40 mm CLEAR FROM THE FACE OF CONCRETE.
3. IN CONNECTING TO AN EXISTING STRUCTURE BREAK OUT PORTIONS OF THE EXISTING STRUCTURE 150 mm OUTSIDE ITS INTERSECTION WITH THE NEW CONNECTION. BEND ENDS OF #10 BARS OVER CONNECTION OPENING AS REQUIRED.

MONOLITHIC CATCH BASIN CORNER CONNECTION
NTS

SCALE: 1" = 40'

GRAPHIC SCALE
40 0 20 40 80
1" = 40'

CHECKED BY: JP | DRAWN BY: FM | APPROVED BY: EF

PLANS PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER ERWIN R. TOGERSON No. 049060 Exp. 9/30/00 CIVIL STATE OF CALIFORNIA

ERWIN R. TOGERSON R.C.E. NO. 49060 — DATE 4/25/00

AEI·CASC ENGINEERING
937 SOUTH VIA LATA
SUITE 500
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS TAX CERT. NO. 056587 EXP. DATE 10/14/00

MARK	REVISIONS	APPR	DATE

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
P.W. ENGINEERING MGR.	4/25/00	
STREET SERVICES	4/25/00	

APPROVED BY: R. McGrath
PUBLIC WORKS DIRECTOR
DATE 5-2-2000

STORM DRAIN IMPROVEMENT PLAN

TRACT NO. 29041

CLARIDGE DR., MYKONOS LANE & VIA VISTA DR.

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

ACCOUNT NO.

D-679

SHEET 2 OF 2

INDEXED 6/20/2000 GH

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