STREET IMPROVEMENT PLAN
CITY OF RIVERSIDE, CALIFORNIA

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 REESTABLISHING 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 PRIVATE ENGINEER.
8. TRIM EDGE OF EXISTING PAVEMENT WHERE NEW PAVEMENT JOINS TO A SMOOTH, STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS SHOWN ON PLAN AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
9. 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.
10. FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER.
11. 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.
12. IN PAVEMENT OVERLAY AREAS, DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A.C. PAVING.
13. DEVELOPER/CONTRACTOR TO GIVE CITY WATER DIVISION FIVE (5) WORKING DAYS WRITTEN NOTICE PRIOR TO START OF CONSTRUCTION AND TO ALLOW CITY TEN (20) WORKING DAYS FOR COMPLETION OF WORK. (909) 351-6150.
14. ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING THE STREETS TO TRAFFIC.
15. CONSTRUCT DRIVEWAY APPROACHES PER STANDARD DRAWING 302. EXACT SIZE AND LOCATION TO BE STAKED BY THE PRIVATE ENGINEER PRIOR TO CONSTRUCTION OF THE CURB AND GUTTER.
16. THE SUBDIVIDER SHALL ARRANGE FOR A SOIL TEST TO BE MADE BY A SOILS ENGINEER AFTER THE STREETS HAVE BEEN PREPARED TO ROUGH GRADE AND PRIOR TO CURB AND GUTTER CONSTRUCTION. DEPTH OF BASE MATERIAL AND A.C. PAVING SHALL BE DETERMINED BY THE CITY OF RIVERSIDE DESIGN STANDARDS AND TEST PROCEDURES.
17. ON ALL AREAS WITHIN PUBLIC RIGHT OF WAY WHERE THE FILL IS ONE (1) FOOT OR GREATER, A LETTER WILL BE REQUIRED FROM THE SOILS ENGINEER, CERTIFYING THE COMPACTION OF THE FILL BELOW SUBGRADE, PRIOR TO ISSUANCE OF THE CONSTRUCTION PERMIT/CUT SHEETS.
18. 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.
19. THE CONTRACTOR SHALL COORDINATE TRENCHING FOR CABLE TELEVISION WITH OTHER TRENCHING WITHIN THE SUBDIVISION.

STREET TREE NOTES:

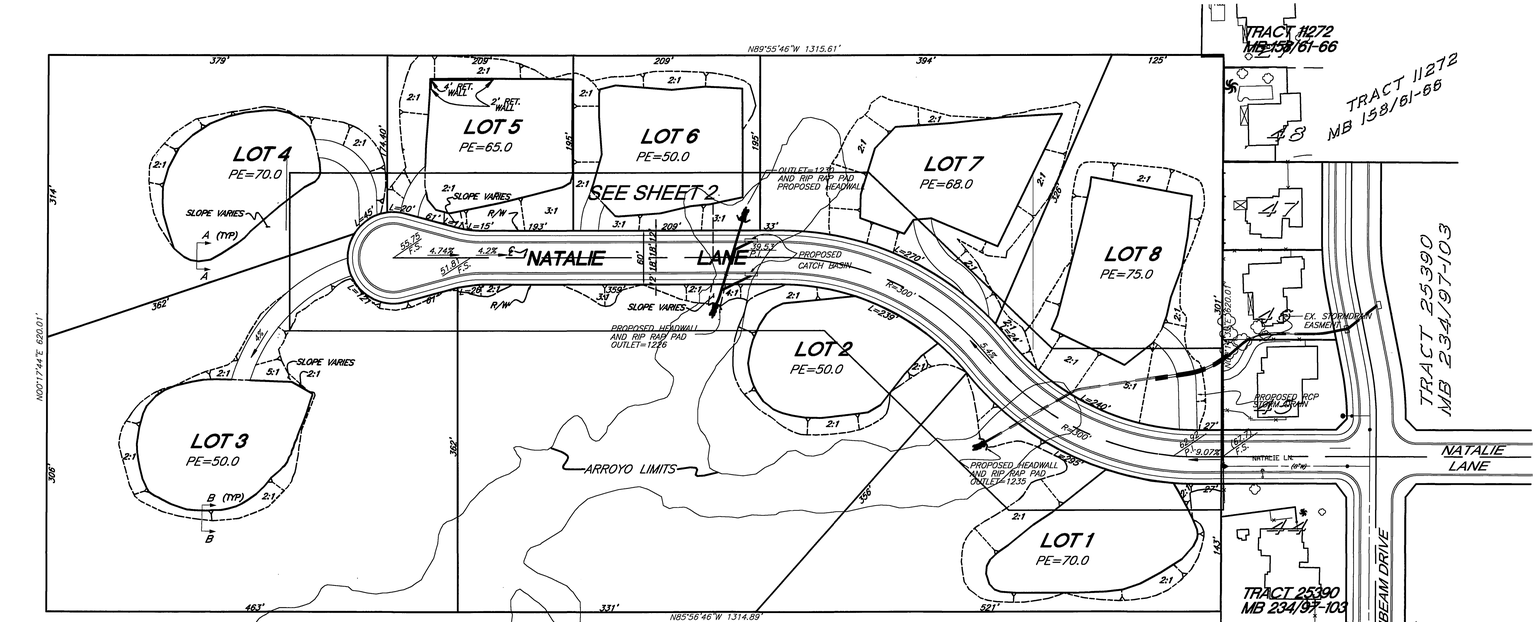
1. ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT STANDARDS AND CITY OF RIVERSIDE STREET TREE POLICIES.
2. WHEN CALLING FOR INSPECTIONS CONTACT THE STREET TREE INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE AT (909) 351-6126 TO SCHEDULE AN INSPECTION. A FIELD NOTICE WILL BE ISSUED AS WRITTEN APPROVAL FOR EACH STAGE OF INSPECTION. A VERBAL APPROVAL WILL NOT BE ACCEPTABLE. INSPECTIONS ARE REQUIRED:
   a. AFTER COMPLETION OF FINAL GRADING OF THE LOTS AND WHEN ALL UTILITY SERVICES AND SEWER LATERAL HAVE BEEN MARKED, BUT PRIOR TO DIGGING PLANT PITS, ALL FINAL STREET TREE LOCATIONS ARE TO BE SPOTTED IN THE FIELD BY THE STREET TREE INSPECTOR;
   b. WHILE DIGGING PLANT PITS AND PLANTING/RELOCATING TREES;
   c. AFTER PLANTING AND ALL OTHER INDICATED OR SPECIFIED WORK HAS BEEN COMPLETED, FOR START OF MAINTENANCE;
   d. AT END OF THE MAINTENANCE PERIOD, THE CONTRACTOR DEVELOPER SHALL CALL THE STREET TREE INSPECTOR AT (909) 351-6126 FOR A FINAL ACCEPTANCE INSPECTION IN ORDER TO BE RELEASED FROM MAINTENANCE. DEVELOPER BONDS WILL NOT BE RELEASED UNTIL AFTER RECEIPT OF WRITTEN NOTIFICATION FOR THE CITY THAT THE TREES PASS FINAL INSPECTION AND THE PARK AND RECREATION DEPARTMENT IS ASSUMING MAINTENANCE RESPONSIBILITIES.
3. ALL STREET TREES ARE TO BE PLANTED PRIOR TO OCCUPANCY.
4. THE DEVELOPER SHALL BE RESPONSIBLE TO ACCEPTABLY MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD OF ONE (1) YEAR.
5. STREET TREE PLANTING SHALL BE AS FOLLOWS:

	STREET NAME	BOTANICAL NAME\COMMON NAME	MIN. SIZE	APPROX. SPACING	
A.	NATALIE LANE	PINUS CANARIENSIS/CANARY ISLAND PINE	24" BOX	45' O.C.	49 EA.

6. ALL STREET TREES MUST BE AUTOMATICALLY IRRIGATED.
   * NOTE: IN THE INTEREST OF PUBLIC SAFETY AND MAINTENANCE THE STREET TREE INSPECTOR SHALL HAVE THE AUTHORITY TO REVISE THE STREET TREE QUANTITIES AND LOCATIONS SHOWN ON APPROVED PLANS BASED UPON FIELD CONDITIONS FOUND AT THE TIME OF INSTALLATION OF THE TREES.

CONSTRUCTION NOTES AND QUANTITIES

(1)	CONSTRUCT CURB AND GUTTER PER CITY OF RIVERSIDE STD. 200. (6" C.F.)	2,119 LF
(2)	CONSTRUCT ____ A.C. OVER ____ A.B. PER S.R. _____ R= ____	36,936 SF
(3)	REMOVE EXISTING BARRICADE	
(4)	CONSTRUCT SIDEWALK PER CITY OF RIVERSIDE STD. 325	2,139 SF
(5)	INSTALL "NOT A THROUGH STREET" SIGN PER CITY OF RIVERSIDE STD. 666	1 EA
(6)	CONSTRUCT 24" R.C.P., D = 2000 (BEDDING CASE I PER CITY OF RIVERSIDE STD. 452)	204 LF
(7)	CONSTRUCT 14' WIDE CATCH BASIN PER CITY OF RIVERSIDE STD. 405. CONSTRUCT LOCAL DEPRESSION PER DETAIL ON SHEET 3 INSTALL STENCILING FOR CATCH BASIN PER DETAIL ON SHEET 1	2 EA.
(8)	CONSTRUCT RIP-RAP PAD PER DETAIL "H" ON SHEET 3	3 EA.
(9)	CONSTRUCT PIPE HEADWALL PER CALTRANS STANDARD D-89 (DETAIL-"FRONT ELEVATION HEADWALL") ON SHEET 3	3 EA.
(10)	CONSTRUCT PIPE COLLAR AT GRADE BREAK PER CITY OF RIVERSIDE STD. 424	1 EA.
(11)	JOIN TO EXISTING 24" RCP PER DWG. R-3217.	1 EA.
(12)	BEGIN CONSTRUCTION	
(13)	CONSTRUCT 18" R.C.P., D=2000 (BEDDING CASE I PER CITY OF RIVERSIDE STD. 452)	49 LF
(14)	CONSTRUCT JUNCTION STRUCTURE B PER CITY OF RIVERSIDE STD. 421	2 EA.
(15)	CONSTRUCT 36" R.C.P., D = 2000 (BEDDING CASE I PER CITY OF RIVERSIDE STD. 452)	128 LF



TRACT 28774
APN# 243-161-002

INDEX MAP

SCALE: 1"=80'

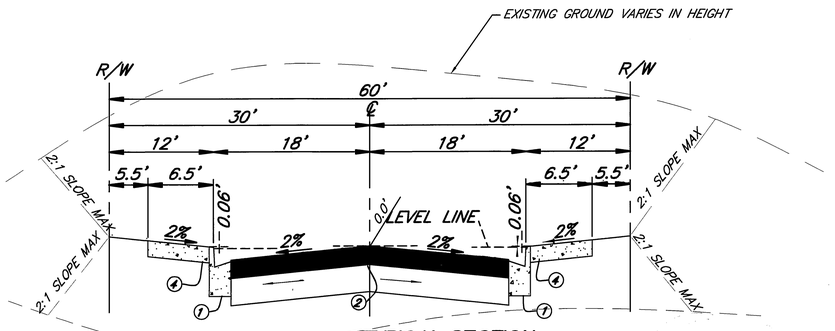
0 20 40 60 80 160 240 320
SCALE 1"=80'

CONSTRUCTION NOTES AND QUANITIES (CONT'D)

(16) INSTALL 6" D.I. DRAIN LINE
(17) INSTALL 6" SDR35 PVC DRAIN LINE
(18) INSTALL 12" SQ. GRATE INLET PER BROOKS PRODUCTS OR APPROVED EQUAL.

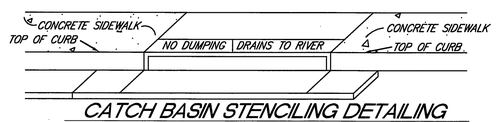
LEGEND

(T.C.)	EX. TOP OF CURB
(F.S.)	EX. FINISHED SURFACE
T.C.	TOP OF CURB
F.S.	FINISHED SURFACE
C.L.	CENTER LINE
R.W.	RIGHT OF WAY
B.C.R.	BEGIN CURB RETURN
E.C.R.	END CURB RETURN
S	SLOPE
STA.	STATION



TYPICAL SECTION NATALIE LANE

NOT TO SCALE
T.I. = 5



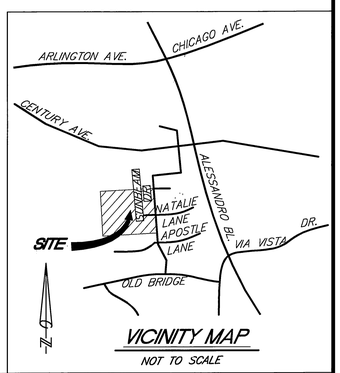
CATCH BASIN STENCILING DETAILING

(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 CURB.
(C) SPRAY BOTH STENCILS WITH WHITE PAINT.
(D) REMOVE STENCILS WHEN PAINT IS DRY.

BENCHMARK

POINT ID: F7-J3 ELEV.: 1302.58B
P.K. NAIL AND CITY ENGINEER TAG SET IN THE NORTHERLY WALL OF A CATCH BASIN ALONG THE EASTERLY CURB OF ALESSANDRO BLVD., APPROXIMATELY 300' SOUTHEASTERLY OF EL PORTAL

CITY BUSINESS TAX CERTIFICATE NO. 105479 EXP.9/28/2004



VICINITY MAP

NOT TO SCALE

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

REGISTERED PROFESSIONAL ENGINEER LEO A. AGUILERA NO. 31397 EXP. 12-31-04 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER ALEJANDRO J. ALATORRE C-32761 EXP. 6-30-06 CIVIL STATE OF CALIFORNIA

REVISION ⚠ PREPARED UNDER DIRECT SUPERVISION OF:
ALEJANDRO J. ALATORRE RCE NO. 32761 EXP. 6/30/06
CONSTRUCTION RESOURCES GROUP
35925 COUNTRY PARK DRIVE
WILDOMAR, CA. 92595
(951) 600-0324 (951) 600-0384 FAX
RIVERSIDE BUSINESS TAX CERTIFICATE #12009 EXP.04/07/06

PREPARED UNDER THE SUPERVISION OF:
LAA ENGINEERING
20844 OLEANDER AVE
PERRIS, CA 92570 (909) 943-6042
LEO A. AGUILERA DATE 5/6/04

W. O.: FOR: SWIFT VALLEY INVESTMENT, LLC F.B.:

MARK	REVISIONS	APPR.	DATE
⚠	ADDED CONST. NOTES (SHT. 4	RVZ	2-15-06

DESIGNED BY LAA DRAWN BY LAA CHECKED BY LAA

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		5/27/04
STREET SERVICES		5/27/04
TRAFFIC DIVISION		5/27/04
PARKS DEPARTMENT		

APPROVED BY _____ CITY ENGINEER
DATE 5/27/04

STREET IMPROVEMENT PLANS
TRACT NO. 29296
NATALIE LANE
STA 11+73 TO STA 21+68.56

R-3768
⚠1
SHEET 1 OF 4

HORIZ. SCALE: 1" = 80' VERT. SCALE: 1" = 4'
JOB NO. PW03-0306

PC-4109-S

INDEXED 2-8-05 YH

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

N'LY T.C. 1265

1265 C.L.

1265 S'LY T.C.

EX. GROUND @ N'LY R/W

PROPOSED TOP OF N'LY 6" CURB @ 18' FROM C/L

EX. GROUND @ C.L.

EX. GROUND @ S'LY R/W

PROPOSED TOP OF S'LY 6" CURB @ 18' FROM C/L

PROPOSED F.S. @ C.L.

1255 N'LY T.C.

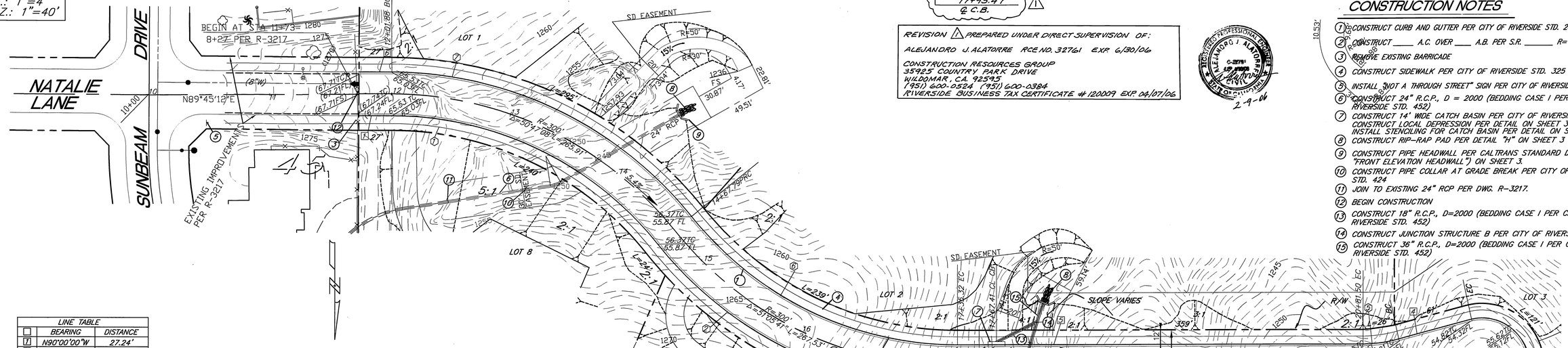
1255 C.L.

1255 S'LY T.C.

IDENTICAL POINT

STA 17+93.47 ℄ C.B.

17+93.47 ℄ C.B.



Scale 1" = 40'

NATALIE LANE

CONSTRUCTION NOTES

1. CONSTRUCT CURB AND GUTTER PER CITY OF RIVERSIDE STD. 200. (6" C.F.)
2. CONSTRUCT ____ A.C. OVER ____ A.B. PER S.R. _____ R= ____
3. REMOVE EXISTING BARRICADE
4. CONSTRUCT SIDEWALK PER CITY OF RIVERSIDE STD. 325
5. INSTALL "NOT A THROUGH STREET" SIGN PER CITY OF RIVERSIDE STD. 666
6. CONSTRUCT 24" R.C.P., D = 2000 (BEDDING CASE I PER CITY OF RIVERSIDE STD. 452)
7. CONSTRUCT 14' WIDE CATCH BASIN PER CITY OF RIVERSIDE STD. 405. CONSTRUCT LOCAL DEPRESSION PER DETAIL ON SHEET 3 INSTALL STENCILING FOR CATCH BASIN PER DETAIL ON SHEET 1
8. CONSTRUCT RIP-RAP PAD PER DETAIL "H" ON SHEET 3
9. CONSTRUCT PIPE HEADWALL PER CALTRANS STANDARD D-89 (DETAIL-"FRONT ELEVATION HEADWALL") ON SHEET 3.
10. CONSTRUCT PIPE COLLAR AT GRADE BREAK PER CITY OF RIVERSIDE STD. 424
11. JOIN TO EXISTING 24" RCP PER DWG. R-3217.
12. BEGIN CONSTRUCTION
13. CONSTRUCT 18" R.C.P., D=2000 (BEDDING CASE I PER CITY OF RIVERSIDE STD. 452)
14. CONSTRUCT JUNCTION STRUCTURE B PER CITY OF RIVERSIDE STD. 421
15. CONSTRUCT 36" R.C.P., D=2000 (BEDDING CASE I PER CITY OF RIVERSIDE STD. 452)

REVISION ⚠1 PREPARED UNDER DIRECT SUPERVISION OF:
ALEJANDRO J. ALATORRE RCE NO. 32761 EXP. 6/30/06
CONSTRUCTION RESOURCES GROUP
35925 COUNTRY PARK DRIVE
WILDOMAR, CA. 92595
(951) 600-2524 (951) 600-0384
RIVERSIDE BUSINESS TAX CERTIFICATE # 120009 EXP. 04/07/06

REGISTERED PROFESSIONAL ENGINEER ALEJANDRO J. ALATORRE C-32761 EXP. 6/30/06 CIVIL STATE OF CALIFORNIA
2-9-06

LINE TABLE		
	BEARING	DISTANCE
1	N90°00'00"W	27.24'
2	N90°00'00"W	346.18'
3	N75°00'00"W	49.67'
4	N75°00'00"E	49.67'
5	N90°00'00"W	346.18'
6	N90°00'00"E	27.04'

CURVE TABLE				
	DELTA	RADIUS	LENGTH	TANGENT
1	51°06'48"	282.00'	251.57'	134.85'
2	51°06'48"	318.00'	283.69'	152.06'
3	15°00'00"	115.00'	30.11'	15.14'
4	210°00'00"	36.00'	131.95'	134.35'
5	15°00'00"	115.00'	30.11'	15.14'
6	51°06'48"	282.00'	251.57'	134.85'
7	51°06'48"	318.00'	283.69'	152.06'

BENCHMARK

POINT ID: F7-J3 ELEV.: 1302.588
P.K. NAIL AND CITY ENGINEER TAG SET IN THE NORTHERLY WALL OF A CATCH BASIN ALONG THE EASTERLY CURB OF ALESSANDRO BLVD., APPROXIMATELY 300' SOUTHEASTERLY OF EL PORTAL

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

REGISTERED PROFESSIONAL ENGINEER LEO A. AGUILERA NO. 31397 EXP. 12-31-06 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
LAA ENGINEERING
20644 OLEANDER AVE
PERRIS, CA 92570
(909) 443-6042
LEO A. AGUILERA DATE 5/5/04
W. O.: FOR: SWAP VALLEY INVESTMENT, LLC F.B.:

MARK	REVISIONS	APPR.	DATE
⚠1	ADDED SHT 4; REV. PROFILE	RVZ	2-16-06

DESIGNED BY LAA DRAWN BY LAA CHECKED BY LAA

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	DH	5/17/04
STREET SERVICES	KBS	5/17/04
TRAFFIC DIVISION		5/17/04
PARKS DEPARTMENT		

APPROVED BY
CITY ENGINEER
DATE 5/22/04

TRACT NO. 29296
STREET PLAN AND PROFILE
NATALIE LANE
STA 11+73 TO STA 21+78.56

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

R-3768
⚠1
SHEET 2 OF 4
JOB NO. PW03-0306

PC-4119-S

INDEXED 2-08-05 LH

REVISION △ PREPARED UNDER DIRECT SUPERVISION OF:
ALEJANDRO J. ALATORRE RCE NO.32761 EXP. 6/30/06

CONSTRUCTION RESOURCES GROUP
35925 COUNTRY PARK DRIVE
WILDOMAR, CA. 92595
(951) 600-0824 (951) 600-0384
RIVERSIDE BUSINESS TAX CERTIFICATE # 120009 EXP. 4/7/06

ALEJANDRO J. ALATORRE — No. 32761 — REGISTERED PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA
2-9-06

CONSTRUCTION NOTES

4. CONSTRUCT SIDEWALK PER CITY OF RIVERSIDE STD. 325
6. CONSTRUCT 24" R.C.P., D = 2000 (BEDDING CASE I PER CITY OF RIVERSIDE STD. 452)
7. CONSTRUCT 14' WIDE CATCH BASIN PER CITY OF RIVERSIDE STD. 405. CONSTRUCT LOCAL DEPRESSION PER DETAIL ON SHEET 3
8. CONSTRUCT RIP-RAP PAD PER DETAIL "H" ON SHEET 3
9. CONSTRUCT PIPE HEADWALL PER CALTRANS STANDARD D-89 (DETAIL-"FRONT ELEVATION HEADWALL") ON SHEET 3
10. CONSTRUCT PIPE COLLAR AT GRADE BREAK PER CITY OF RIVERSIDE STD. 424
11. JOIN TO EXISTING 24" RCP PER DWG. R-3217.
12. BEGIN CONSTRUCTION
13. CONSTRUCT 18" R.C.P., D=2000 (BEDDING CASE I PER CITY OF RIVERSIDE STD. 452)
14. CONSTRUCT JUNCTION STRUCTURE B PER CITY OF RIVERSIDE STD. 421
15. CONSTRUCT 36" R.C.P., D = 2000 (BEDDING CASE I PER CITY OF RIVERSIDE STD. 452)

PLANTING NOTES

1. CONTACT THE STREET TREE INSPECTOR AT 909-351-6126 TWO WORKING DAYS (48 HOURS) PRIOR TO INSTALLING ANY PLANT MATERIAL.
2. TREES PLANTED IN TURF AREAS SHALL BE MAINTAINED WITH A MINIMUM 12" RADIUS AROUND. THE TREE FREE OF TURF THROUGHOUT THE THE MAINTENANCE PERIOD.
3. WATERING BASINS MAY BE REMOVED AFTER THE MAINTENANCE PERIOD.
4. FOR STAKING INFORMATION AS APPLICABLE, REFER TO "DOUBLE STAKING DETAIL" ON THIS SHEET.
5. FOR GUYING INFORMATION, REFER TO STANDARD DETAIL 1003
6. FOR SPECIFICATION INFORMATION, REFER TO CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT STANDARD SPECIFICATIONS, SECTION 02480 PLANTING.
7. PROVIDE FERTILIZER TABLETS AS FOLLOWS:

1 GALLON PLANT	2 TABLETS
5 GALLON PLANT	3 TABLETS
15 GALLON PLANT	5 TABLETS
24" BOX PLANT	8 TABLETS

LINE TABLE		
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7 51°06'48"	318.00'	283.69'	152.06'

DOWNDRAIN
RIP RAP PLACEMENT DETAIL

CATCH BASIN #1
LOCAL DEPRESSION DETAIL
NOT TO SCALE

CATCH BASIN #2
LOCAL DEPRESSION DETAIL
NOT TO SCALE

GRATE AT OUTFALL
NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

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

SEE SHEET 4 FOR REVISED PLAN AND PROFILES OF STORM DRAIN LINE "A" AND LATERALS.

SEE SHT. No. 4 FOR REVISED LOCAL DEPRESSIONS.

NATALIE LANE

BENCHMARK
POINT ID: F7-J3 ELEV.: 1302.588
P.K. NAIL AND CITY ENGINEER TAG SET IN THE NORTHERLY WALL OF A CATCH BASIN ALONG THE EASTERLY CURB OF ALESSANDRO BLVD., APPROXIMATELY 300' SOUTHEASTERLY OF EL PORTAL

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REGISTERED PROFESSIONAL ENGINEER — LAA ENGINEERING — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
LAA ENGINEERING
20644 OLEANDER AVE
PERRIS, CA 92570
(909) 943-6042
LEO A. AGUILERA 5/6/04 DATE
W. O.: FOR: SWAN VALLEY INVESTMENT, LLC F.B.:

MARK	REVISIONS	APPR.	DATE
1	ADDED NOTES TO REF: SHT. 4	RBZ	2-15-06

DESIGNED BY ____ DRAWN BY ____ CHECKED BY LAA

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

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

APPROVED BY _____ CITY ENGINEER
DATE 5/22/06

TRACT NO. 29296
NATALIE LANE
STA 11+73 TO STA 21+78.56

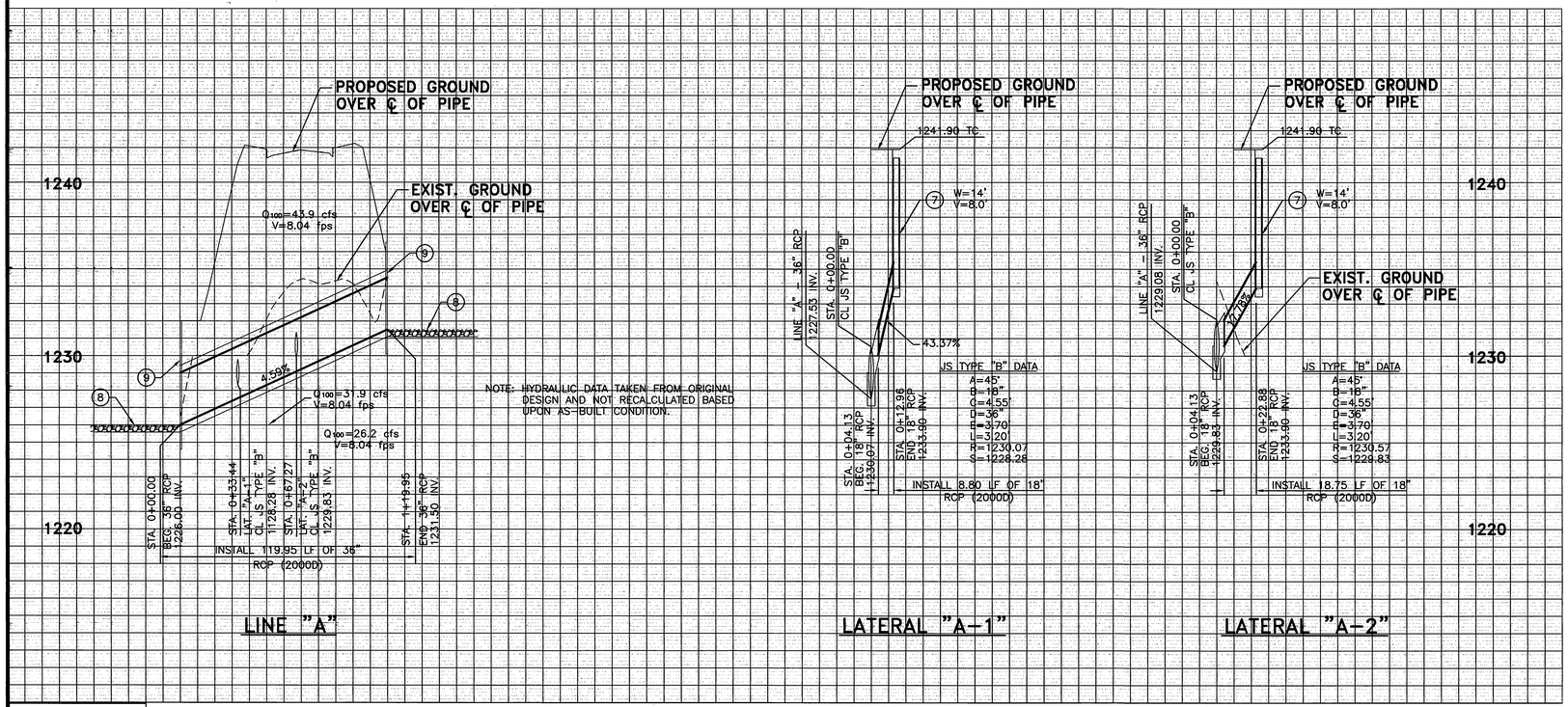
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

R-3768
SHEET 3 OF 14

JOB NO. PW03-0306

PC-410'-S

INDEXED 2-8-05 LH



CONSTRUCTION NOTES

4. CONSTRUCT SIDEWALK PER CITY OF RIVERSIDE STD. 325.
6. CONSTRUCT 24" RCP, D=2000 (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 452)
7. CONSTRUCT 14' WIDE CATCH BASIN PER CITY OF RIVERSIDE STD. 405. CONSTRUCT LOCAL DEPRESSION PER DETAILS ON SHEET NO. 4.
8. CONSTRUCT RIP-RAP PAD PER DETAIL "H" ON SHEET NO. 3.
9. CONSTRUCT PIPE HEADWALL PER CALTRANS STD. D-89 (DETAIL – "FRONT ELEVATION ELEVATION HEADWALL") ON SHEET NO. 3.
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12. BEGIN CONSTRUCTION
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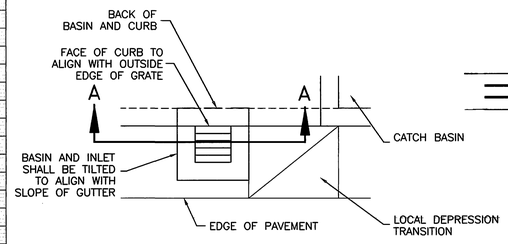
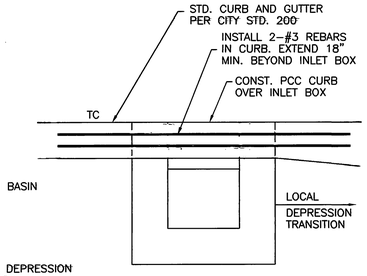
14. CONSTRUCT JUNCTION STRUCTURE TYPE "B" PER CITY OF RIVERSIDE STD. 421.
15. CONSTRUCT 36" RCP, D=2000 (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 452)
16. INSTALL 6" D.I. DRAIN LINE
17. INSTALL 6" SDR35 PVC DRAIN LINE
18. INSTALL 12" SQ. GRATE INLET PER BROOKS PRODUCTS OR APPROVED EQUAL. (POSITIONING OF INLET PER DETAIL HEREON)



12" GRATE INLET POSITIONING

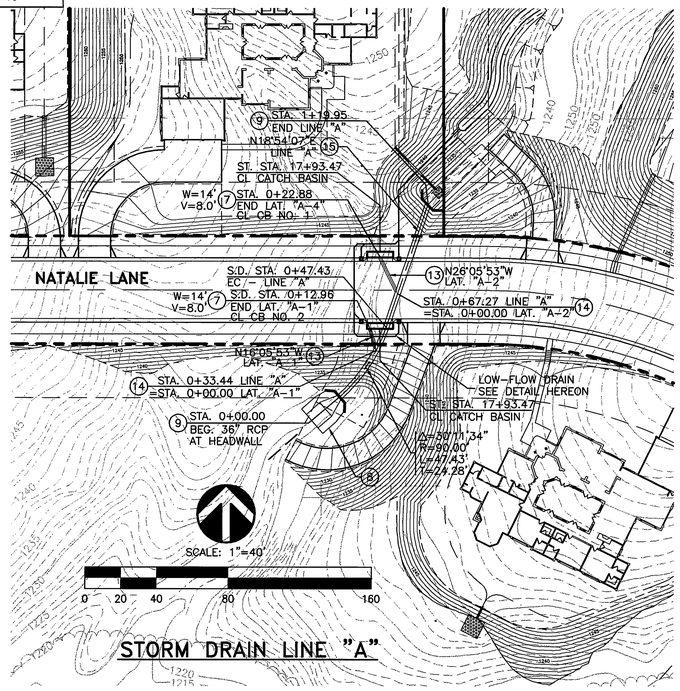
SCALE: 1"=2'



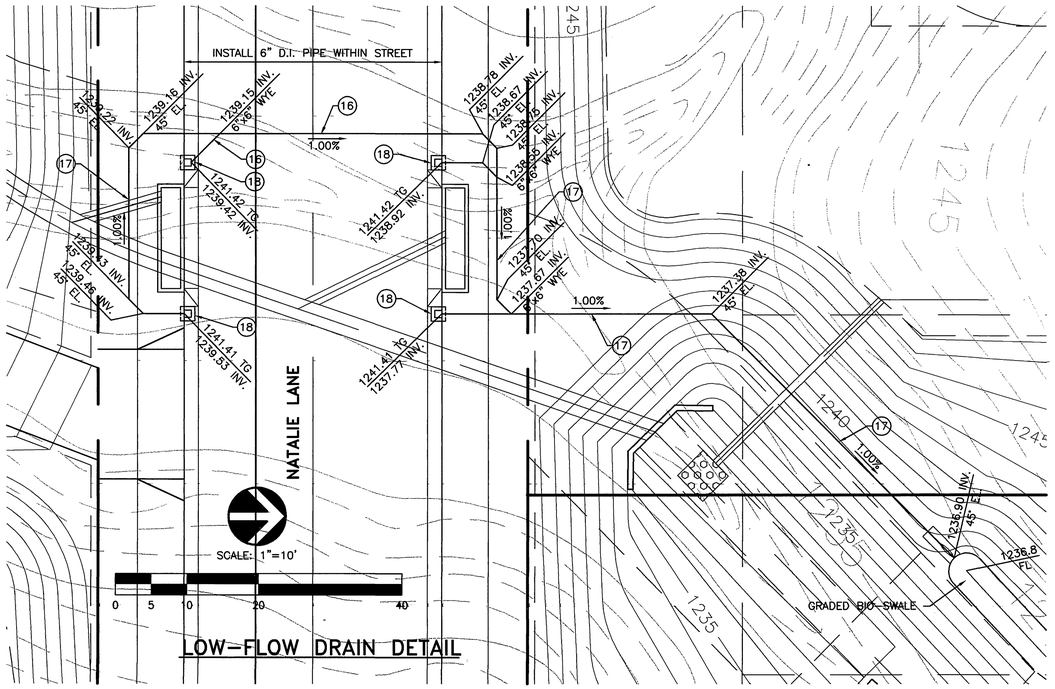
SECTION A-A

NO SCALE

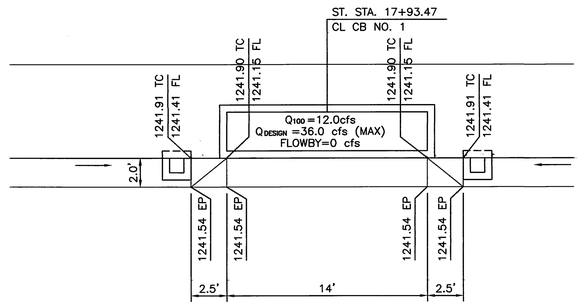
PROFILE SCALE:
VERT.: 1"=4'
HORIZ.: 1"=40'



STORM DRAIN LINE "A"

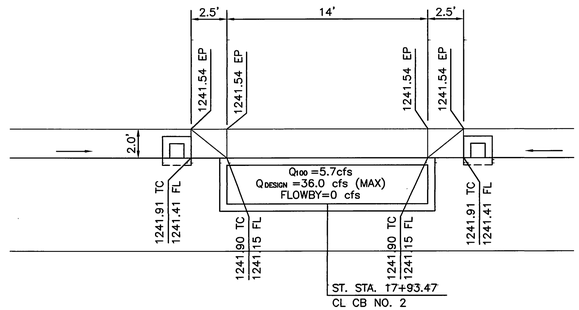


LOW-FLOW DRAIN DETAIL



LOCAL DEPRESSION DETAIL NO. 1

NORTH SIDE OF NATALIE LANE
SCALE: 1"=5'



LOCAL DEPRESSION DETAIL NO. 2

SOUTH SIDE OF NATALIE LANE
SCALE: 1"=5'

BENCHMARK

POINT ID: F7-J3 ELEV.: 1302.588
P.K. NAIL AND CITY ENGINEER TAG SET IN THE NORTHERLY WALL OF A CATCH BASIN ALONG THE EASTERLY CURB OF ALESSANDRO BLVD., APPROXIMATELY 300' SOUTHEASTERLY OF EL PORTAL

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

REGISTERED PROFESSIONAL ENGINEER ALEJANDRO J. ALATORRE RCE C32761 EXP. 6/30/06 CIVIL STATE OF CALIFORNIA 2-9-06

CRG
CONSTRUCTION RESOURCES GROUP, INC.
35925 Country Park Drive • Wildomar, CA 92595
Tel: 951-600-0524 Fax: 951-600-0384

MARK	REVISIONS	APPR.	DATE

DESIGNED BY CRG DRAWN BY CRG CHECKED BY CRG

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

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

APPROVED BY
CITY ENGINEER
DATE 2/16/06

TRACT NO. 29296
STREET PLAN AND PROFILE
NATALIE LANE
STA 11+73 TO STA 21+78.56
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

R-3768
SHEET 4 OF 4
JOB NO. PW03-0306

PC-4109-S