

GENERAL NOTES

- 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.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- 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 AND ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 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.
- ALL SECTIONS ARE PLOTTED LOOKING UPSTREAM.
- 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.
- 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.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- 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.
- CONTRACTOR TO GIVE RCFC 5-DAYS WRITTEN NOTICE PRIOR TO STARTING WORK ON STORM DRAIN. RCFC ENCROACHMENT PERMIT NO. _____
- THE CONCRETE COVER ON THE INSIDE OF ALL CONCRETE PIPE MUST BE INCREASED TO PROVIDE A MIN. OF 1.5" OVER THE REINFORCING WHEN THE DESIGN VELOCITIES EXCEED 20 FPS. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE:
fc = 5000 PSI FOR VELOCITIES EXCEEDING 20 FPS AND
fc = 6000 PSI FOR VELOCITIES EXCEEDING 30 FPS

BASIS OF BEARING

BASIS OF BEARING: CENTERLINE OF CENTRAL AVENUE PER RECORD OF SURVEY ON FILE IN BOOK 75, PAGES 62-63, RECORDS OF RIVERSIDE COUNTY, BEING N.89°16'00"E.

EXISTING UNDERGROUND STRUCTURES

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPE STRUCTURES OR CONDUITS 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. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS.

NOTICE TO CONTRACTOR

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CONSTRUCTION NOTES:

- CONSTRUCT JUNCTION STRUCTURE NO. 1 PER RIVERSIDE COUNTY FLOOD CONTROL STANDARD DRAWING NO. JS226. "A"=45°00'00", "B"=36", "C"=12.00' ELEV. "R"=817.56, ELEV. "S"=817.50'.
- CONSTRUCT MANHOLE JM PER CITY OF RIVERSIDE STANDARD DRAWING NO. 432. "A"=45°00'00", "B"=30", "C"=6.00' "D1"=36", "D2"=36", "E"=5.75', "L"=6.75' ELEV. "R"=820.86, ELEV. "S"=820.80'. SINCE UPSTREAM PIPE D1 IS 30", MAKE "D1"=36" AND POUR WALL AROUND UPSTREAM PIPE.
- CONSTRUCT JUNCTION STRUCTURE B PER CITY OF RIVERSIDE STANDARD DWG. NO. 421. SEE JS B TABLE OF VALUES THIS SHEET.
- CONSTRUCT MANHOLE EZ PER CITY OF RIVERSIDE STANDARD DWG. NO. 431.
- CONSTRUCT TIMBER BULKHEAD PER CITY OF RIVERSIDE STANDARD DWG. NO. 456.
- CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STANDARD DWG. NO. 405. "W" & "V" SHOWN ON PLAN. INSTALL FOSSIL FILTER AS MANUFACTURED BY KRISTAR ENTERPRISES OR APPROVED EQUAL.
- CONSTRUCT GRATING CATCH BASIN PER A.P.W.A. STANDARD PLAN NO. 304-1. "V" SHOWN ON PLAN. NO. OF GRATES=1. INSTALL FOSSIL FILTER AS MANUFACTURED BY KRISTAR ENTERPRISES OR APPROVED EQUAL.
- INSTALL 18" RCP (2500-D) USE CASE I PIPE BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
- INSTALL 30" RCP (1750-D) USE CASE I PIPE BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
- INSTALL 36" RCP (2000-D) USE CASE I PIPE BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.

STANDARD DRAWINGS

RIVERSIDE COUNTY FLOOD CONTROL STANDARD DRAWINGS

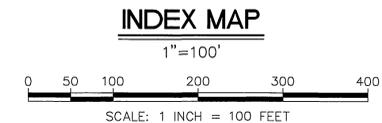
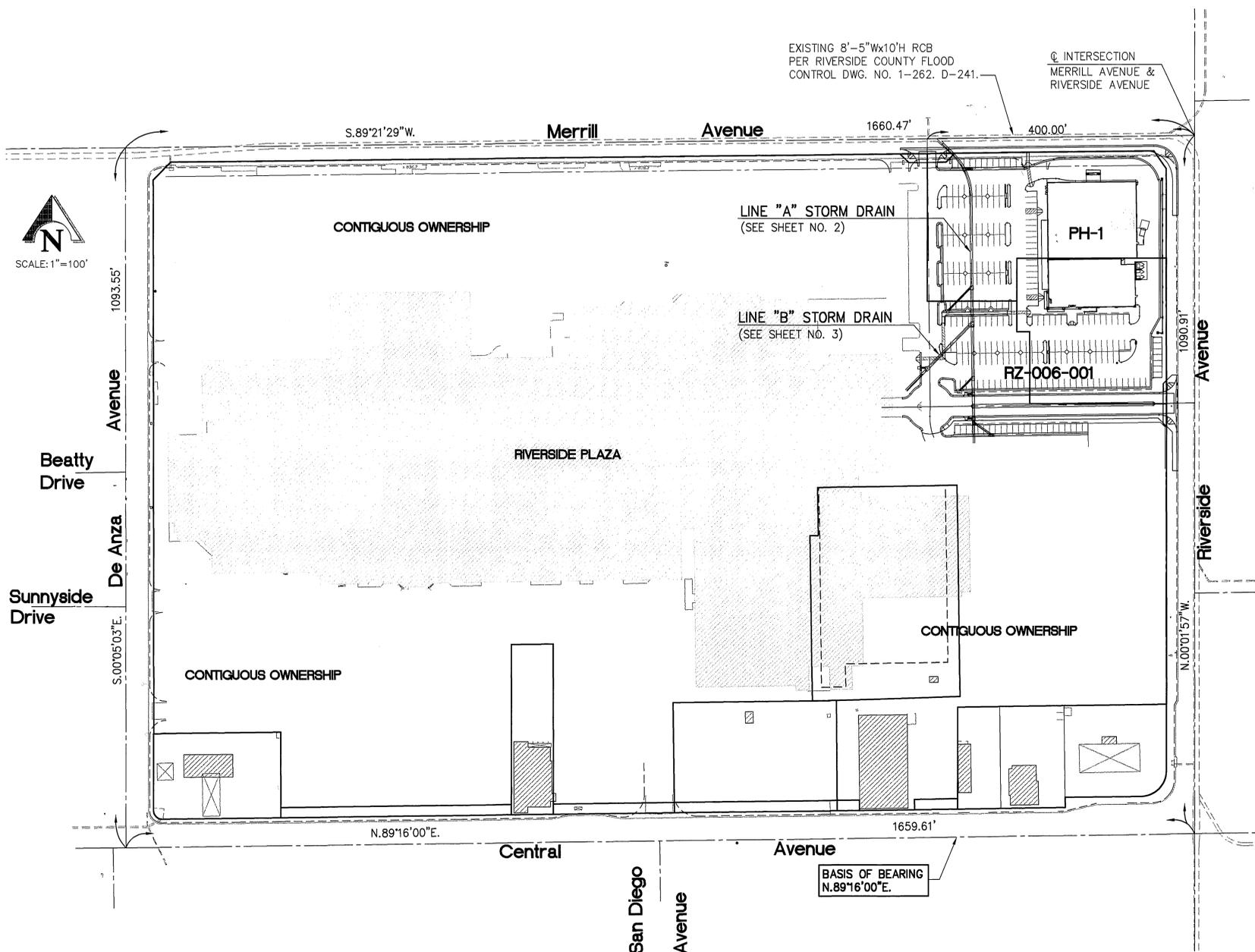
JS226 JUNCTION STRUCTURE NO. 1

CITY OF RIVERSIDE STANDARD DRAWING

405 CATCH BASIN
421 JUNCTION STRUCTURE B
431 MANHOLE EZ
432 MANHOLE JM
452 PIPE BEDDING
456 TIMBER BULKHEAD

AMERICAN PUBLIC WORKS ASSOCIATION

304-1 GRATING CATCH BASIN



BENCHMARK:
POINT I.D.: G6-P3
DATE: 1996
ELEVATION: 845.459
CHISELED SQUARE IN THE SOUTHWEST CORNER OF A CONCRETE CATCH BASIN COVER ON THE SOUTHERLY SIDE OF TIPPERARY WAY, 65 FEET EASTERLY OF THE CENTERLINE OF RIVERSIDE AVENUE.

PACIFIC BELL TELEPHONE COMPANY <i>[Signature]</i> APPROVED BY: <i>[Signature]</i> DATE: 8/27/02	SOUTHERN CALIFORNIA GAS COMPANY <i>[Signature]</i> APPROVED BY: <i>[Signature]</i> DATE: 8/26/02
CITY OF RIVERSIDE - PUBLIC UTILITIES/WATER <i>[Signature]</i> APPROVED BY: <i>[Signature]</i> DATE: 8/22/02	CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD & UNDERGROUND <i>[Signature]</i> APPROVED BY: <i>[Signature]</i> DATE: 8/29/02

<p>Underground Service Alert</p> <p>Call: TOLL FREE 1-800 227-2600</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>PRIVATE ENGINEERING NOTE</p> <p>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.</p>
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SEAL: REGISTERED CIVIL ENGINEER, STATE OF CALIFORNIA, TERESITO N. TABILO, RCE No. 38826, Exp. 3-31-05

PREPARED UNDER THE SUPERVISION OF:
[Signature] 8-16-02
TERESITO N. TABILO
REGISTERED CIVIL ENGINEER NO. 38826
EXPIRATION DATE: 3-31-05 DATE: 8/16/02

KCT CONSULTANTS, INC.
Civil Engineers - Surveyors - Planners
P.O. Box 5705 Riverside, CA 92517-5705
4344 Leitham St., Suite 200, Riverside, CA 92501
Phone: 951-541-4940 Fax: 951-541-4945
e-mail: kctinc@kctconsultants.com

CITY BUSINESS TAX CERTIFICATE NO.: 069540 EXP. DATE: 04-07-03

BENCHMARK: SEE ABOVE

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY: <i>[Signature]</i> DEPUTY P.W. DIRECTOR	DATE: 8/27/02	BY: <i>[Signature]</i> PRINCIPAL ENGINEER	APPROVED BY: <i>[Signature]</i> PUBLIC WORKS DIRECTOR
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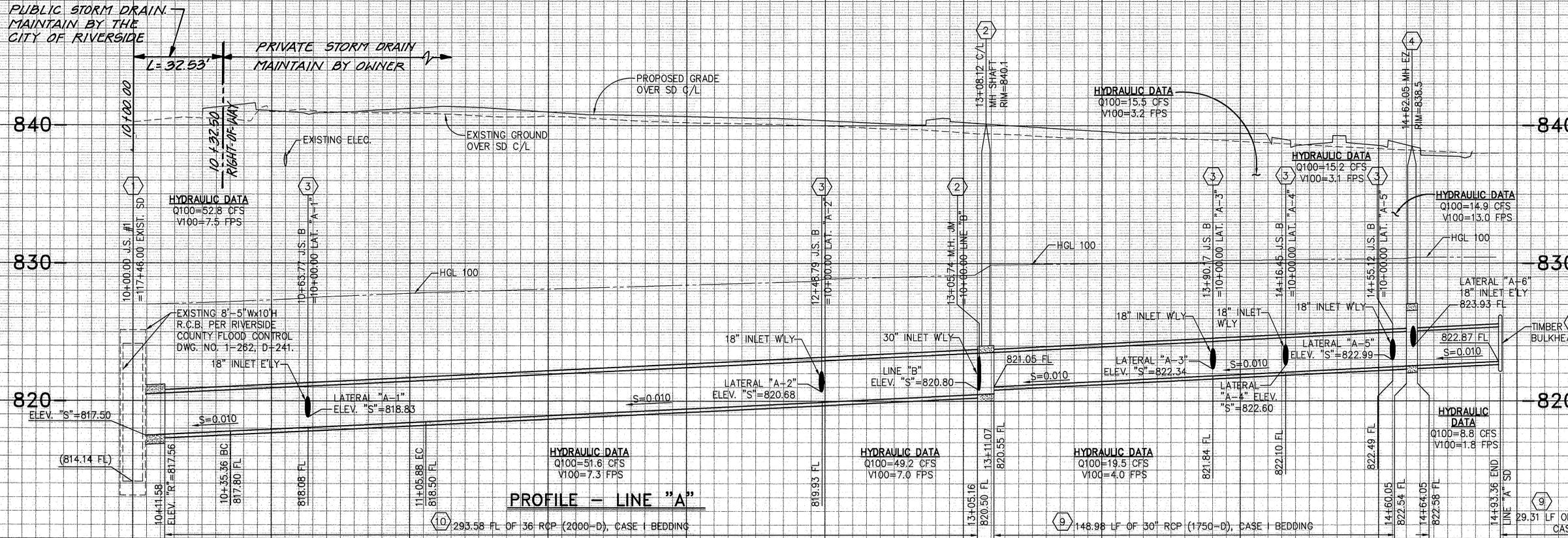
DESIGNED BY: T.N.T. DRAWN BY: L.S. CHECKED BY: T.N.T.

STORM DRAIN IMPROVEMENT PLAN
RIVERSIDE PLAZA STORM DRAIN PLAN

TITLE SHEET
RZ-006-001

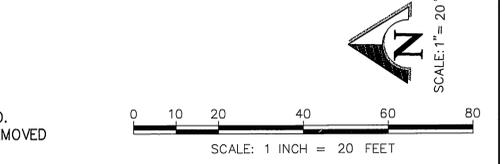
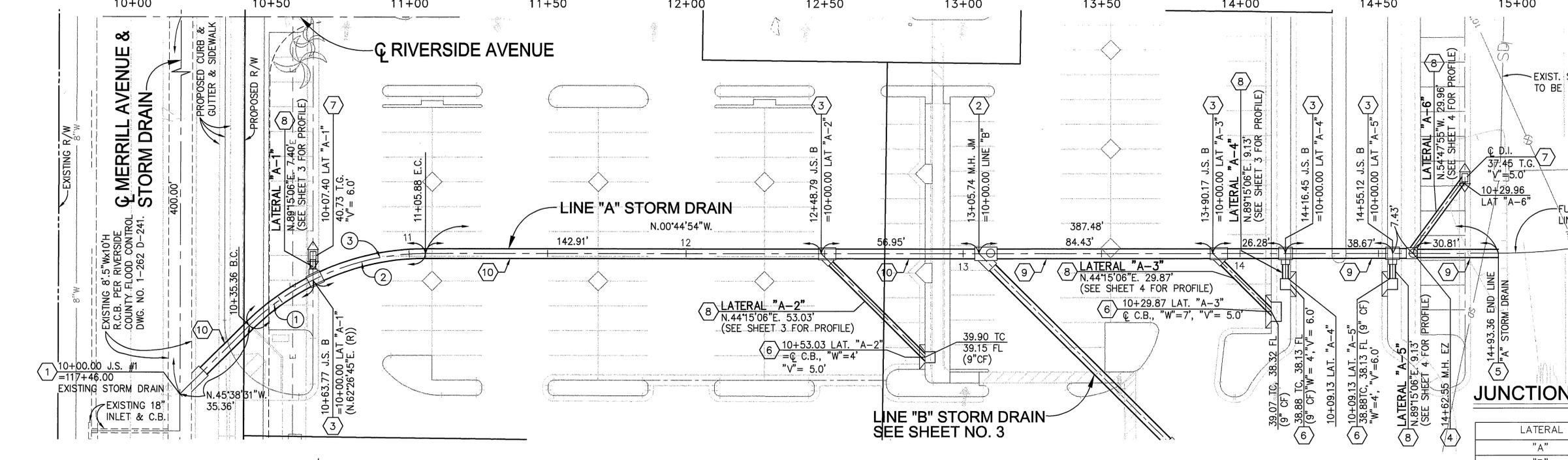
ACCOUNT NO. D-714
SHEET 1 OF 4

HORIZ. SCALE: AS SHOWN VERT. SCALE: AS SHOWN FILE NO.: 1235-01



- CONSTRUCTION NOTES:**
- 1 CONSTRUCT JUNCTION STRUCTURE NO. 1 PER RIVERSIDE COUNTY FLOOD CONTROL STANDARD DRAWING NO. JS226. "A"=45'00"00", "B"=36", "C"=12.00' ELEV. "R"=817.56, ELEV. "S"=817.50'
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 - 6 CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STANDARD DWG. NO. 405. "W" & "V" SHOWN ON PLAN. INSTALL FOSSIL FILTER AS MANUFACTURED BY KRISTAR ENTERPRISES OR APPROVED EQUAL.
 - 7 CONSTRUCT GRATING CATCH BASIN PER A.P.W.A. STANDARD PLAN NO. 304-1. "V" SHOWN ON PLAN. NO. OF GRATES=1. INSTALL FOSSIL FILTER AS MANUFACTURED BY KRISTAR ENTERPRISES OR APPROVED EQUAL.
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 - 9 INSTALL 30" RCP (1750-D) USE CASE I PIPE BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
 - 10 INSTALL 36" RCP (2000-D) USE CASE I PIPE BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.

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



JUNCTION STRUCTURE B TABLE OF VALUES

LATERAL	LAT. "A-1"	LAT. "A-2"	LAT. "A-3"	LAT. "A-4"	LAT. "A-5"
"A"	63'11"39"	45'00"00"	45'00"00"	90'00"00"	90'00"00"
"B"	18"	18"	18"	18"	18"
"C"	3.75'	4.75'	4.33'	2.50'	2.50'
"D"	36"	36"	30"	30"	30"
"E"	2.50'	3.70'	3.45'	1.40'	1.40'
"L"	2.60'	3.20'	3.20'	2.30'	2.30'
ELEV. "R"	826.89	821.95	824.04	825.41	825.70
ELEV. "S"	818.83	820.68	822.34	822.60	822.99

STORM DRAIN CENTERLINE CURVE DATA

CURVE	RADIUS	DELTA	LENGTH	TANGENT	B.C. STA.	E.C. STA.
1	90.00'	18°05'16"	28.41'	14.33'	10+35.36	10+63.77
2	90.00'	26°48'21"	42.11'	21.45'	10+63.77	11+05.88
3	90.00'	44°53'37"	70.52'	37.18'	10+35.36	11+05.88

PLAN VIEW - LINE "A"

PACIFIC BELL TELEPHONE COMPANY
 SOUTHERN CALIFORNIA GAS COMPANY
 APPROVED BY: [Signatures] DATE: 8/26/02
 CITY OF RIVERSIDE - PUBLIC UTILITIES, WATER
 CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD & UNDERGROUND
 APPROVED BY: [Signatures] DATE: 8/29/02

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PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE SUPERVISION OF:
 FERESTO N. TABILO
 REGISTERED CIVIL ENGINEER NO. 38826
 EXPIRATION DATE: 3-31-05 DATE: 8/26/02

KCT CONSULTANTS, INC.
 Civil Engineers - Surveyors - Planners
 P.O. Box 6705 Riverside, CA 92517-5705
 4544 Latham St., Suite 200, Riverside, CA 92501
 Phone: 951-514-4840 Fax: 951-514-4945
 e-mail: kct@kctconsultants.com

CITY BUSINESS TAX CERTIFICATE NO.: 069540 EXP. DATE: 04-07-03

SEE SHEET NO. 1

MARK REVISIONS APPR. DATE

DESIGNED BY: T.N.T. DRAWN BY: L.S. CHECKED BY: T.N.T.

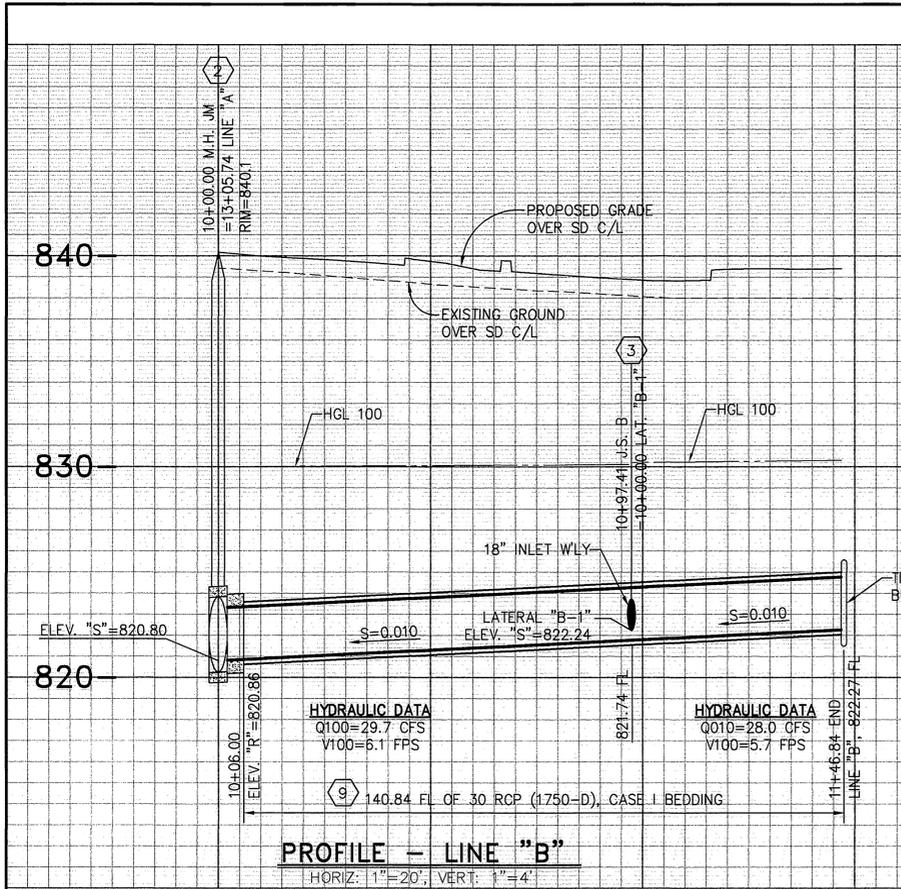
CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] DATE: 10/16/02
 DEPUTY P.W. DIRECTOR
 PRINCIPAL ENGINEER

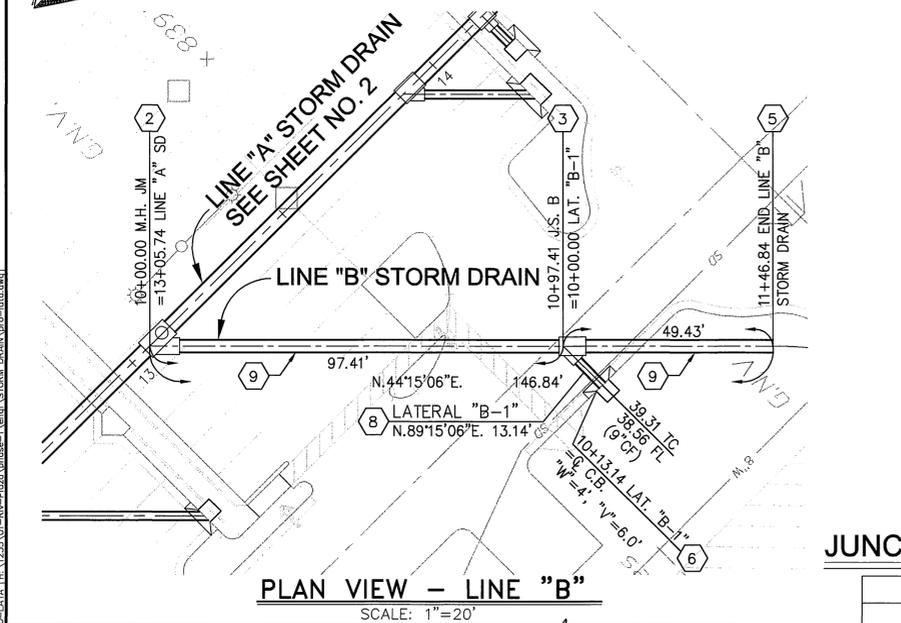
STORM DRAIN IMPROVEMENT PLAN
 RIVERSIDE PLAZA STORM DRAIN PLAN
 LINE "A" STORM DRAIN
 RZ-006-001

ACCOUNT NO. **D-714**
 SHEET **2** OF **4**
 FILE NO.: 1235-01

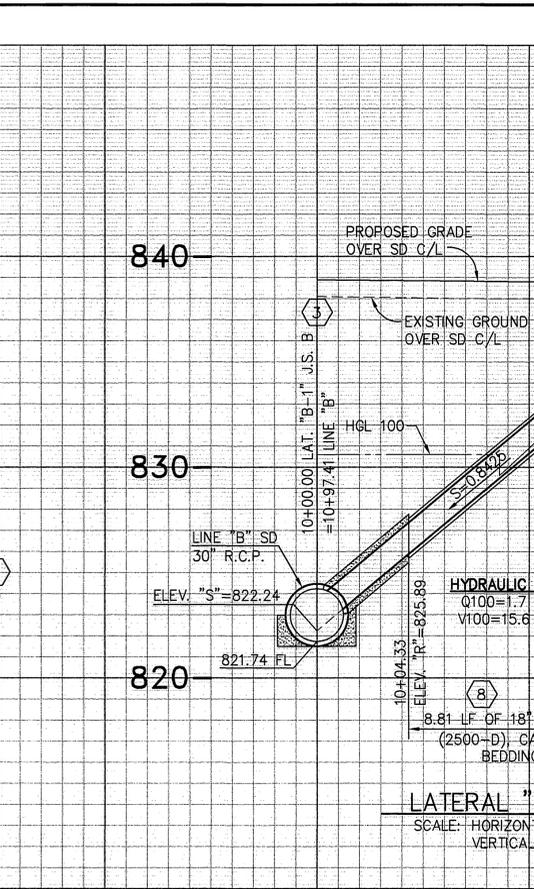
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'



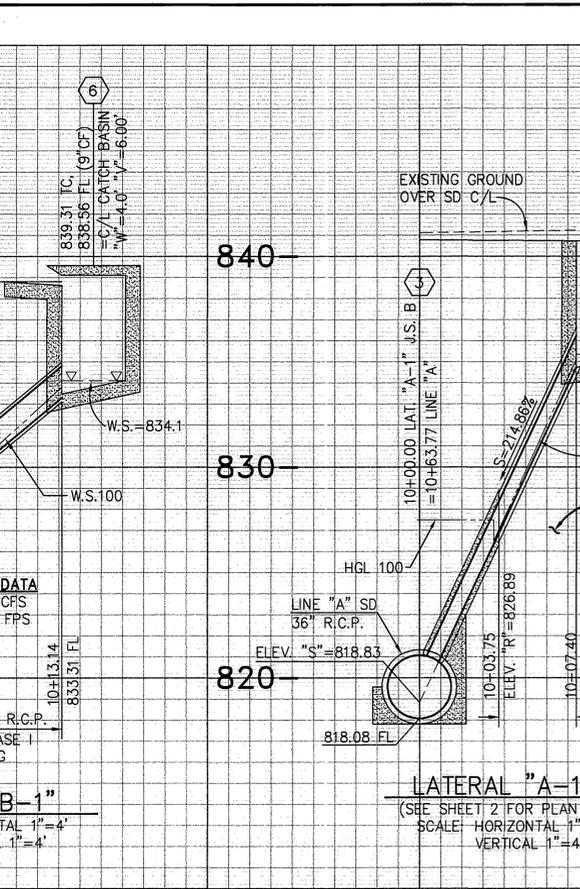
PROFILE - LINE "B"
 HORIZ: 1"=20', VERT: 1"=4'



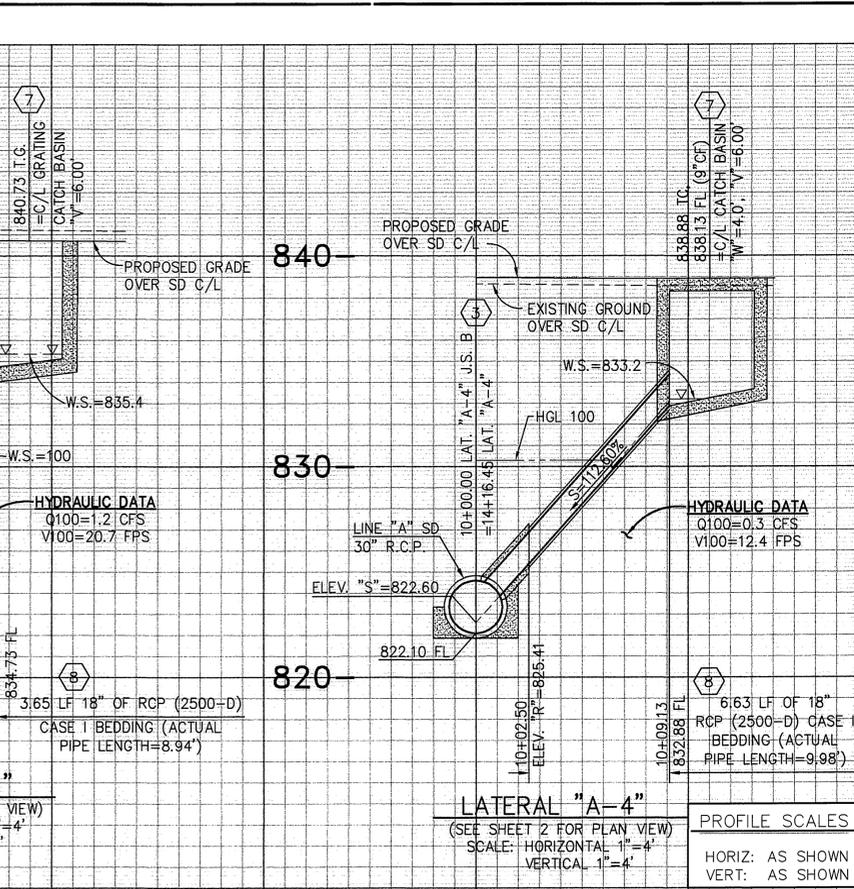
PLAN VIEW - LINE "B"
 SCALE: 1"=20'



LATERAL "B-1"
 SCALE: HORIZONTAL 1"=4', VERTICAL 1"=4'



LATERAL "A-1"
 (SEE SHEET 2 FOR PLAN VIEW)
 SCALE: HORIZONTAL 1"=4', VERTICAL 1"=4'

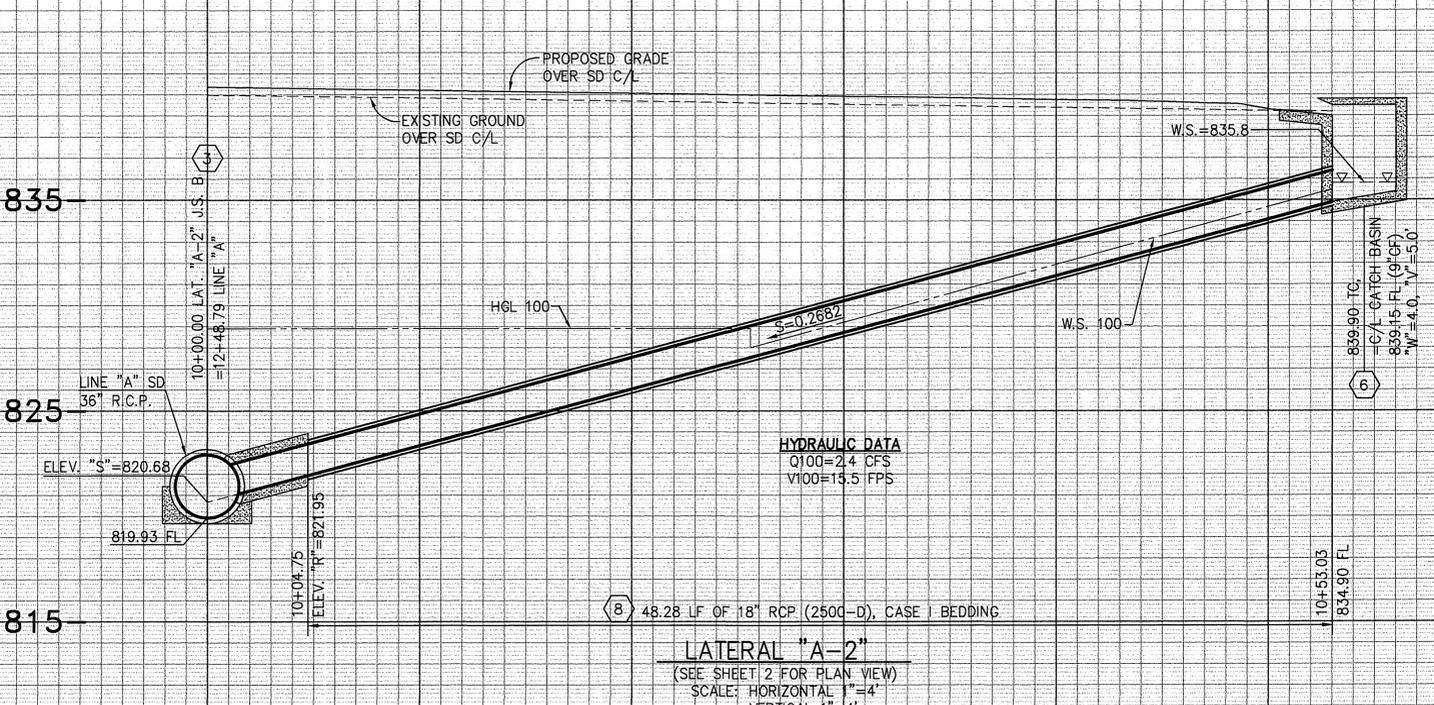


LATERAL "A-4"
 (SEE SHEET 2 FOR PLAN VIEW)
 SCALE: HORIZONTAL 1"=4', VERTICAL 1"=4'

- CONSTRUCTION NOTES:**
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JUNCTION STRUCTURE B TABLE OF VALUES

LATERAL	LAT. "B-1"	LAT. "A-1"	LAT. "A-2"	LAT. "A-4"
"A"	45'00"00"	63'11"39"	45'00"00"	90'00"00"
"B"	18"	18"	18"	18"
"C"	4.33'	3.75'	4.75'	2.50'
"D"	30"	36"	36"	30"
"E"	3.45'	2.50'	3.70'	1.40'
"L"	3.20'	2.60'	3.20'	2.30'
ELEV. "R"	825.89	826.89	821.95	825.41
ELEV. "S"	822.24	818.83	820.68	822.60



LATERAL "A-2"
 (SEE SHEET 2 FOR PLAN VIEW)
 SCALE: HORIZONTAL 1"=4', VERTICAL 1"=4'

PRIVATE STORM DRAIN SYSTEM TO BE MAINTAIN BY THE OWNER AS SHOWN THIS SHEET

PACIFIC BELL TELEPHONE COMPANY
 SOUTHERN CALIFORNIA GAS COMPANY

APPROVED BY: *[Signature]* DATE: 8/22/02
 CITY OF RIVERSIDE - PUBLIC UTILITIES, WATER

APPROVED BY: *[Signature]* DATE: 8/29/02
 CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD & UNDERGROUND

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

PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE SUPERVISION OF:
 TERESITO N. TABILO
 REGISTERED CIVIL ENGINEER NO. 38826
 EXPIRATION DATE: 3-31-05 DATE: 8/6/02

SEAL
 REGISTERED PROFESSIONAL ENGINEER
 TERESITO N. TABILO
 RCE No. 38826
 Exp. 3-31-05
 C.V.I.L.
 STATE OF CALIFORNIA

KCT CONSULTANTS, INC.
 Civil Engineers - Surveyors - Planners
 P.O. Box 6705 Riverside, CA 92517-6705
 4344 Latham St., Suite 200, Riverside, CA 92501
 Phone: 951-514-6940 Fax: 951-514-6946
 e-mail: kctinc@kctconsultants.com
 CITY BUSINESS TAX CERTIFICATE NO.: 069540 EXP. DATE: 04-07-03

SEE SHEET NO. 1

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 8/22/02
 DEPUTY P.W. DIRECTOR
 PRINCIPAL ENGINEER

APPROVED BY: *[Signature]* DATE: 8/29/02
 PUBLIC WORKS DIRECTOR

DESIGNED BY: I.N.T. DRAWN BY: L.S. CHECKED BY: I.N.T.

MARK REVISIONS APPR. DATE

STREET SERVICES 8/22/02 DATE: 8/29/02

STORM DRAIN IMPROVEMENT PLAN
 RIVERSIDE PLAZA STORM DRAIN PLAN
 LATERAL "B-1", "A-1", "A-2" AND "A-4"
 RZ-006-001

ACCOUNT NO. D-714
 SHEET 3 OF 4
 FILE NO.: 1235-01

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

