IN THE CITY OF RIVERSIDE, CALIFORNIA

RIVERWALK VISTA VILLAGE
TR 32772
STORM DRAIN IMPROVEMENT PLANS

GENERAL NOTES

1. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC'S 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. 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.

3. 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.

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

5. THE STORM DRAIN CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.

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

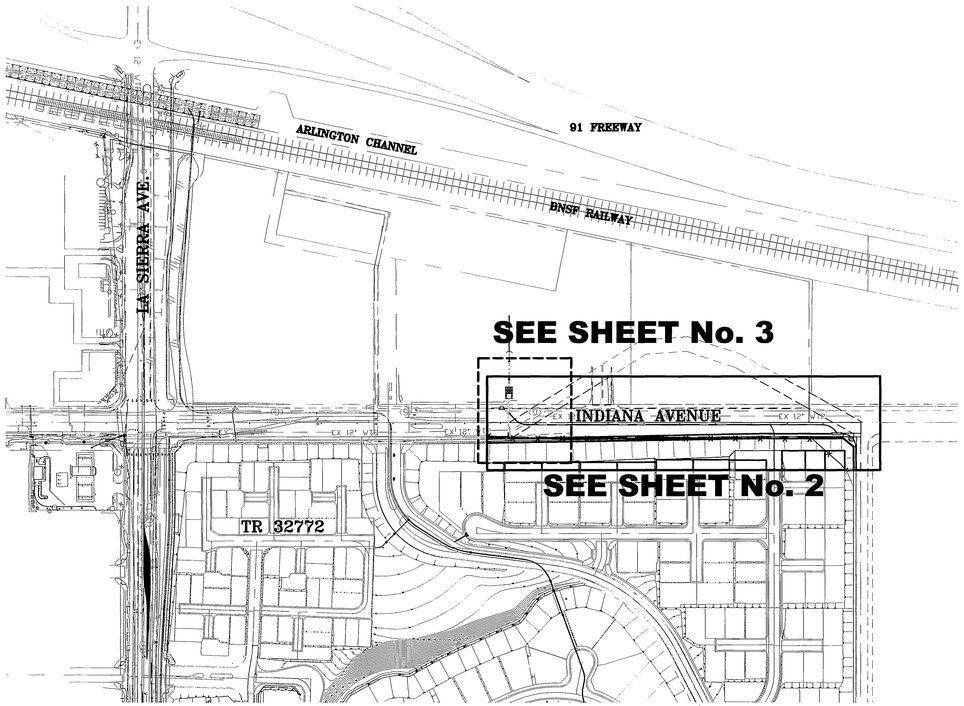
8. THE CONTRACTOR SHALL CALL IN A LOCATIONS REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.

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

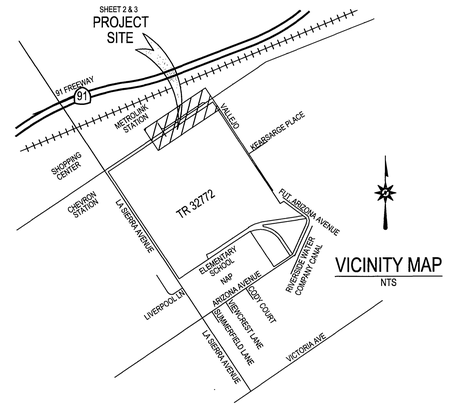
10. NOTICE TO CONTRACTOR. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

11. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSING AND CONNECTIONS AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES AFFECTED. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BEFORE CONSTRUCTION BEGINS.

12. ON ALL AREAS WITHIN PUBLIC'S 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.



INDEX MAP
SCALE: 1"=200'



VICINITY MAP
NTS

DEVELOPER

GRIFFIN INDUSTRIES, INC.
4710 RIVERWALK PARKWAY
RIVERSIDE, CA 92505
PHONE: (951) 509-8622

ENGINEER

PSOMAS
2010 IOWA AVENUE, SUITE 101
RIVERSIDE, CA 92507
PHONE: (951) 787-8421
FAX: (951) 682-3379

SOURCE OF TOPOGRAPHY

INLAND AERIAL SURVEYS INC. DATE: 07/07/2006

PROJECT AREA:

TOTAL = 25.55 ACRES

BASIS OF BEARING

BEARINGS ARE BASED ON THE CENTERLINE OF LA SIERRA AVE AS BEING N33°37'19"W, AS SHOWN ON RECORD OF SURVEY ON FILE IN BOOK 80 AT PAGES 72 THROUGH 77 THERE OF, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

LEGAL DESCRIPTION

BEING A SUBDIVISION OF LOTS 1 THROUGH 3, 8 THROUGH 29, A PORTION OF LOTS 4 THROUGH 7 AND LOTS A,C,D,E AND F OF VALLEY VIEW FARMS PER M.B.11/58, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA, ALSO A PORTION OF LOTS 5,9 THROUGH 12, 15 AND 16 IN BLOCK 38 OF THE LANDS OF THE RIVERSIDE LAND AND IRRIGATION COMPANY PER M.B. 1/70 SAN BERNARDINO COUNTY, CALIFORNIA.

ASSESSOR'S PARCEL No:

141-350-002, 141-350-003

PROPOSED LAND USE

MIXED USE APARTMENT SITES

SITE ADDRESS:

PIERCE STREET, SIERRA VISTA & RIVERWALK PARKWAY

THOMAS BROTHERS

PAGE 714, GRID C7 (2006 EDITION)

UTILITIES

WATER: ..... CITY OF RIVERSIDE
SEWER: ..... CITY OF RIVERSIDE
GAS: ..... SOUTHERN CALIFORNIA GAS COMPANY
ELECTRIC: ..... CITY OF RIVERSIDE
TELEPHONE: ..... SBC

BENCHMARK: E2-M3

CITY OF RIV. B.M. E2-M3, PK NAIL & CITY ENGINEER TAG IN N'LY C.B. WING, W'LY CURB OF PIERCE ST. 1300' S'LY OF AMBS DR.

ELEV.=694.231

STORM DRAIN CONSTRUCTION NOTES

		QNTY	UNITS
1	CONSTRUCT 30" RCP (D-1350)	745	LF
2	CONSTRUCT 18" RCP (D-2000)	125	LF
3	CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 405 (W=PER PLAN)	3	EA
4	CONSTRUCT MANHOLE "AX" PER CITY OF RIVERSIDE STD. DWG NO. 430	2	EA
5	CONSTRUCT MANHOLE "JM" PER CITY OF RIVERSIDE STD. DWG. NO. 432	1	EA
6	CONSTRUCT CONCRETE COLLER PER CITY OF RIVERSIDE STD. DWG. NO. 424	2	EA
7	CONSTRUCT STANDARD PIPE BEDDINGS PER CITY OF RIVERSIDE STD. DWG. NO. 452	–	–
8	NOT USED		
9	CONSTRUCT JUNCTION STRUCTURE "C" PER CITY OF RIVERSIDE STD. DWG. No. 422	1	EA
10	CONSTRUCT 24" RCP (D-2000)	195	LF
11	REMOVE EXISTING CMP RISER	1	EA
12	CONSTRUCT 1/4 TON RIP-RAP 2.7' THICK	1	EA

PUBLIC UTILITIES DEPARTMENT
WATER DIVISION

MW McLeod 12/2/06
APPROVED BY DATE

WDID: 8 33C334294

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 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.

REGISTERED PROFESSIONAL ENGINEER
DAVID L. DRAKE
No. C 64193
Exp. 06-30-07
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

REGISTERED CIVIL ENGINEER NO. C 64193
EXPIRATION DATE:06-30-07 DATE: 11/20/06

PLANS PREPARED BY:

PSOMAS

2010 Iowa Avenue Suite 101 Riverside, CA 92507
(951) 787-8421 Fax (951) 682-3379
CITY OF RIVERSIDE TAX CERT NO: 69372 EXP: 4-07-07

SCALE: AS SHOWN
DATE: FEBRUARY 2006

BENCH MARK: E2-P2 CHISELED SQUARE ON THE TOP OF CURB AT THE WESTERLY END OF A CATCH BASIN FRONTING THE SOUTHERLY CURB OF INDIANA AVE AT THE SOUTHEAST CORNER OF INDIANA AVENUE AND FILLMORE STREET. ELEV=738.410

MARK	REVISIONS	APPR.	DATE

DESIGNED BY DD DRAWN BY CV CHECKED BY DD

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGR.	PH	1/3/07
TRAFFIC DIVISION	LH	1/2/07

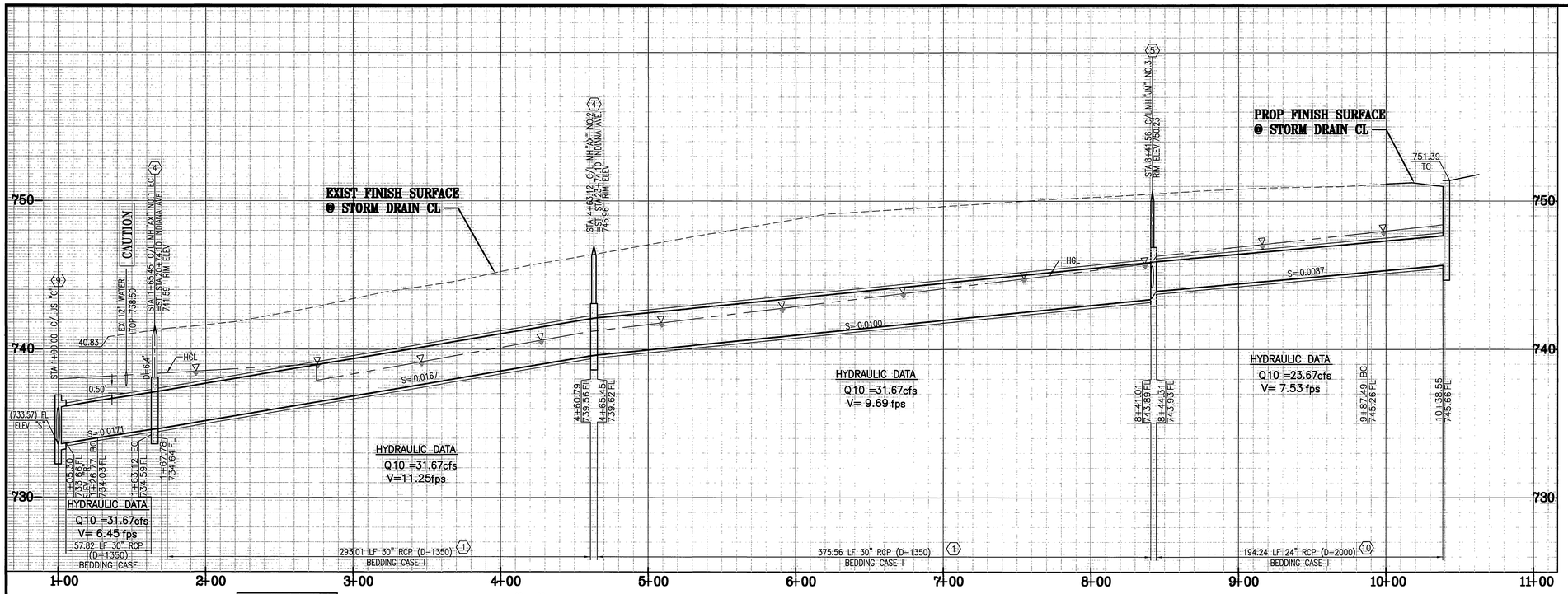
APPROVED BY:
CITY ENGINEER
DATE 1/4/07

IN THE CITY OF RIVERSIDE, CA
STORM DRAIN IMPROVEMENT PLAN
INDIANA AVE. TO VALLEJO AVE.
TITLE SHEET
FOR: GRIFFIN INDUSTRIES

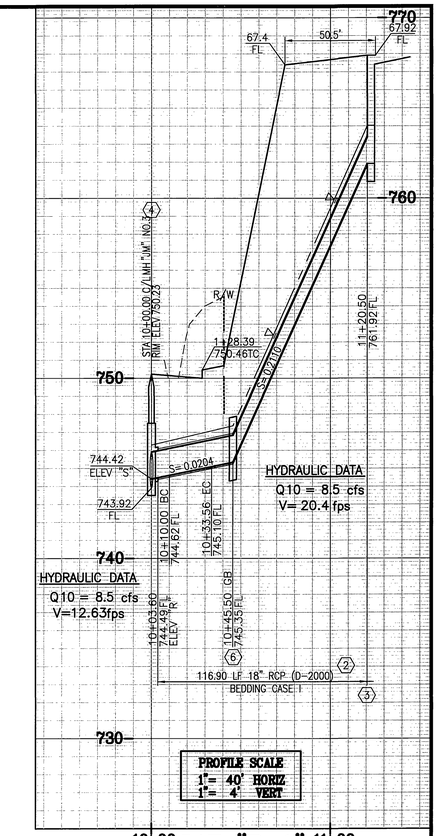
PW06-0646
D-810
SHEET 1 OF 3
FILE NO.: 1104-007

BTZ

INDEXED 1-26-07 LH



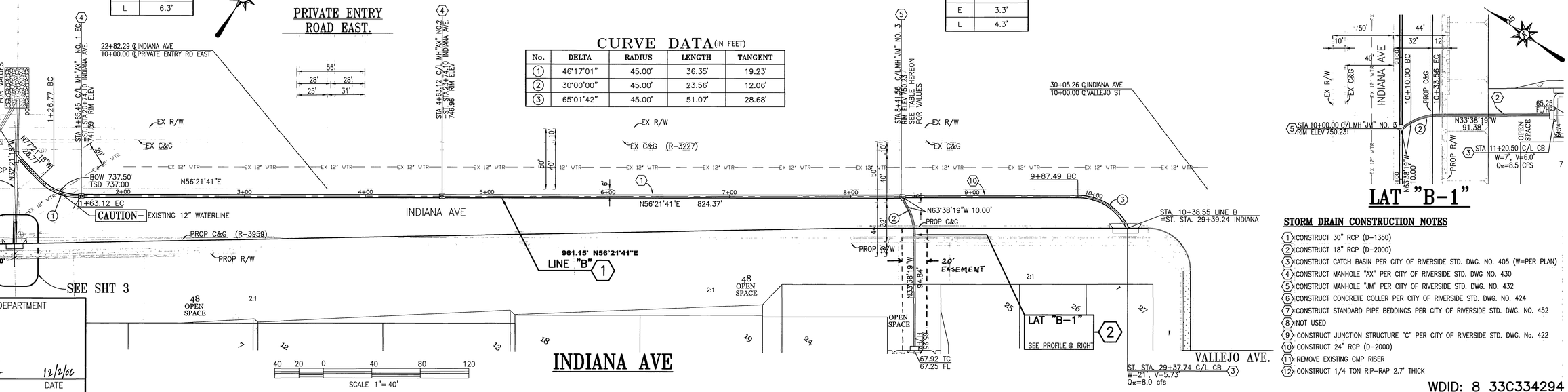
LINE "B"



LAT "B-1"

JS "C" 1+00.00 LINE "B"	
D2	30"
A	45°
B	30"
C	5.3'
E	5.3'
L	6.3'

MANHOLE "JM" 7+94.82 LINE "B"	
D2	30"
B	18"
A	60"
C	3.6'
E	3.3'
L	4.3'



CURVE DATA (IN FEET)

No.	DELTA	RADIUS	LENGTH	TANGENT
1	46°17'01"	45.00'	36.35'	19.23'
2	30°00'00"	45.00'	23.56'	12.06'
3	65°01'42"	45.00'	51.07'	28.68'

STORM DRAIN CONSTRUCTION NOTES

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8. NOT USED
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10. CONSTRUCT 24" RCP (D-2000)
11. REMOVE EXISTING CMP RISER
12. CONSTRUCT 1/4 TON RIP-RAP 2.7' THICK

WDID: 8 33C334294

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WATER DIVISION

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APPROVED BY	BY	DATE
PRINCIPAL ENGR.	PH	1/3/07
TRAFFIC DIVISION	EM	1/5/07

APPROVED BY:
CITY ENGINEER
DATE 1/4/07

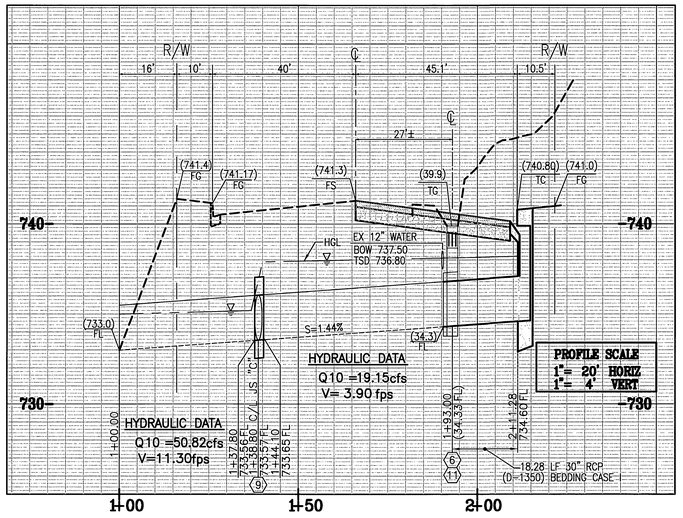
IN THE CITY OF RIVERSIDE, CA
STORM DRAIN IMPROVEMENT PLAN INDIANA AVE. TO VALLEJO AVE.

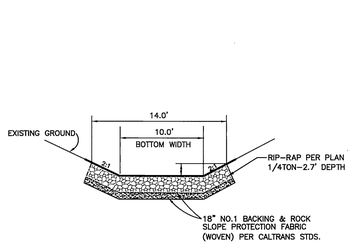
FOR: GRIFFIN INDUSTRIES

PW06-0646
D-810
SHEET 2 OF 3
FILE NO.: 1104-007

2/2

INDEXED 1-26-07 GH



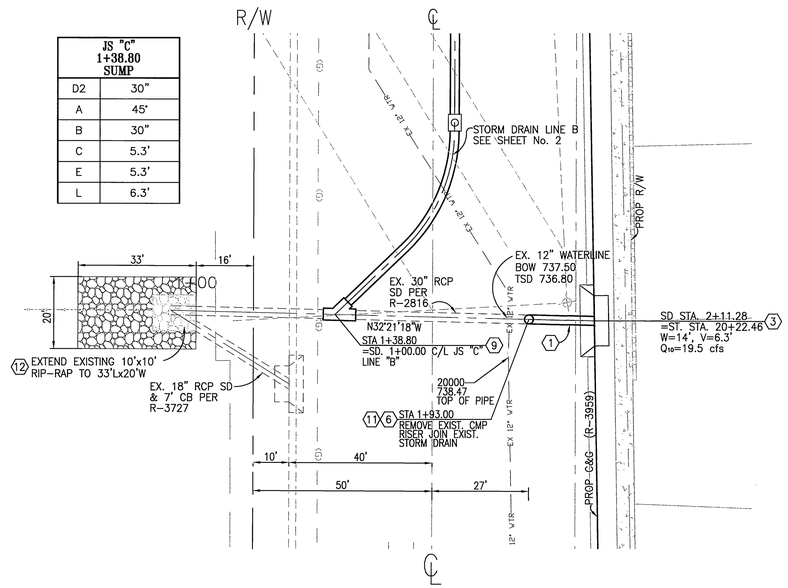


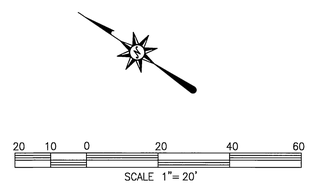
NOTE

No. 1 BACKING PER CALTRANS SECTION 72-2.02 METHOD B PLACEMENT. ROCK SLOPE PROTECTION FABRIC (WOVEN)- PER CALTRANS SECTION 88-1.04 TYPE B.

12 **RIPRAP SECTION DETAIL**
N.T.S.

JS "C" 1+38.80 SUMP	
D2	30"
A	45°
B	30"
C	5.3'
E	5.3'
L	6.3'





EXISTING 30" RCP SUMP STORM DRAIN
INDIANA AVE
ST. STA. 20+21.00

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DEPARTMENT OF PUBLIC WORKS

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TRAFFIC DIVISION	RM	1/2/07

APPROVED BY:
CITY ENGINEER
DATE 1/4/07

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FOR: GRIFFIN INDUSTRIES

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SHEET 3 OF 3
FILE NO.: 1104-007

BVR

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