

**GENERAL NOTES**

- No person shall perform any construction activity or install any objects 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.
- 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, its Supplemental Notes 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 an acceptable solution and revising the plans for approval by the City.
- Quantities shown are for information only and the City of Riverside is not responsible for their accuracy.
- The developer shall be responsible for preserving or reestablishing 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.
- 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.
- Contractor is to verify existing sewer elevation prior to construction. The contractor is also responsible for verifying the elevation and location of the existing storm drain and waterline at the crossings with the proposed sewer line. The contractor shall report any discrepancies with the plan elevations to the engineer.
- No finish floor elevation shall be less than 6-inches above the upper manhole rim elevation of the sewer line segment being connection to, without having a proper backwater valve installed in the lateral.
- A plug shall be installed and will remain in place where the new sewer connects with the existing sewer until the new sewer is accepted by the City.
- The sewer contractor shall adjust manholes to final grade after paving is completed.

**BENCH MARK**

BENCH MARK H3-H3, ELEVATION 740.967, 1970 ADJUSTED P.K. NAIL AND CITY ENGINEERING TAG IN THE NORTHWEST CORNER OF AN ELECTRIC VAULT AT THE SOUTHWEST CORNER OF VAN BUREN BLVD AND MORRIS STREET. BENCH MARK TRANSFER AS PART OF SIGNAL INSTALLATION DECEMBER 1999.

**BASIS OF BEARING**

THE CENTERLINE OF MORRIS STREET BEING NORTH 89°35'24" EAST PER PERCEL MAP NO. 26355 AS SHOWN ON A MAP FILED IN BOOK 174, PAGES 66 THOUGH 69, INCLUSIVE, OF PARCEL MAPS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

**CASE NUMBER**

P03-1523 & RI-03-148-COLLEEN RIVER

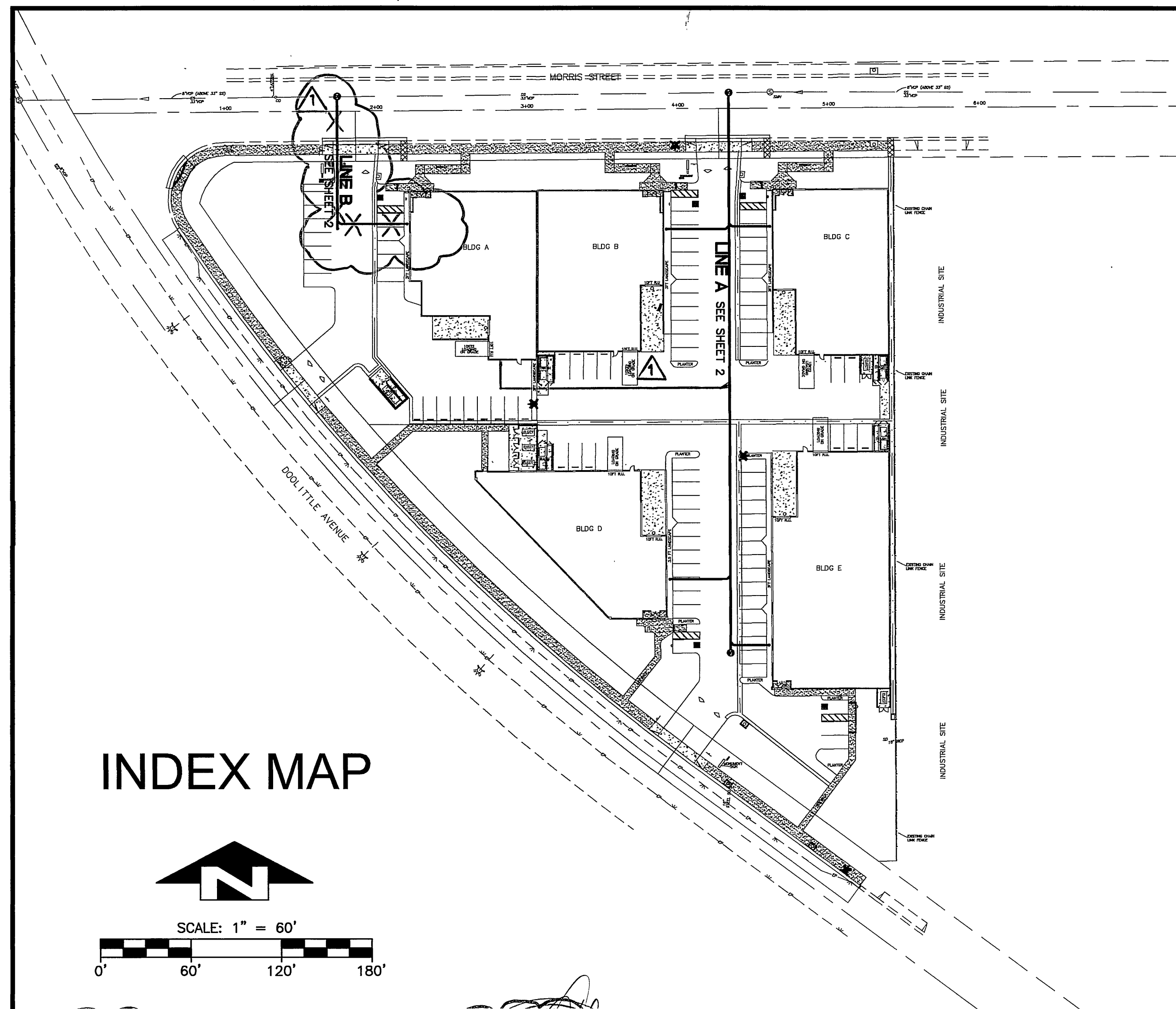
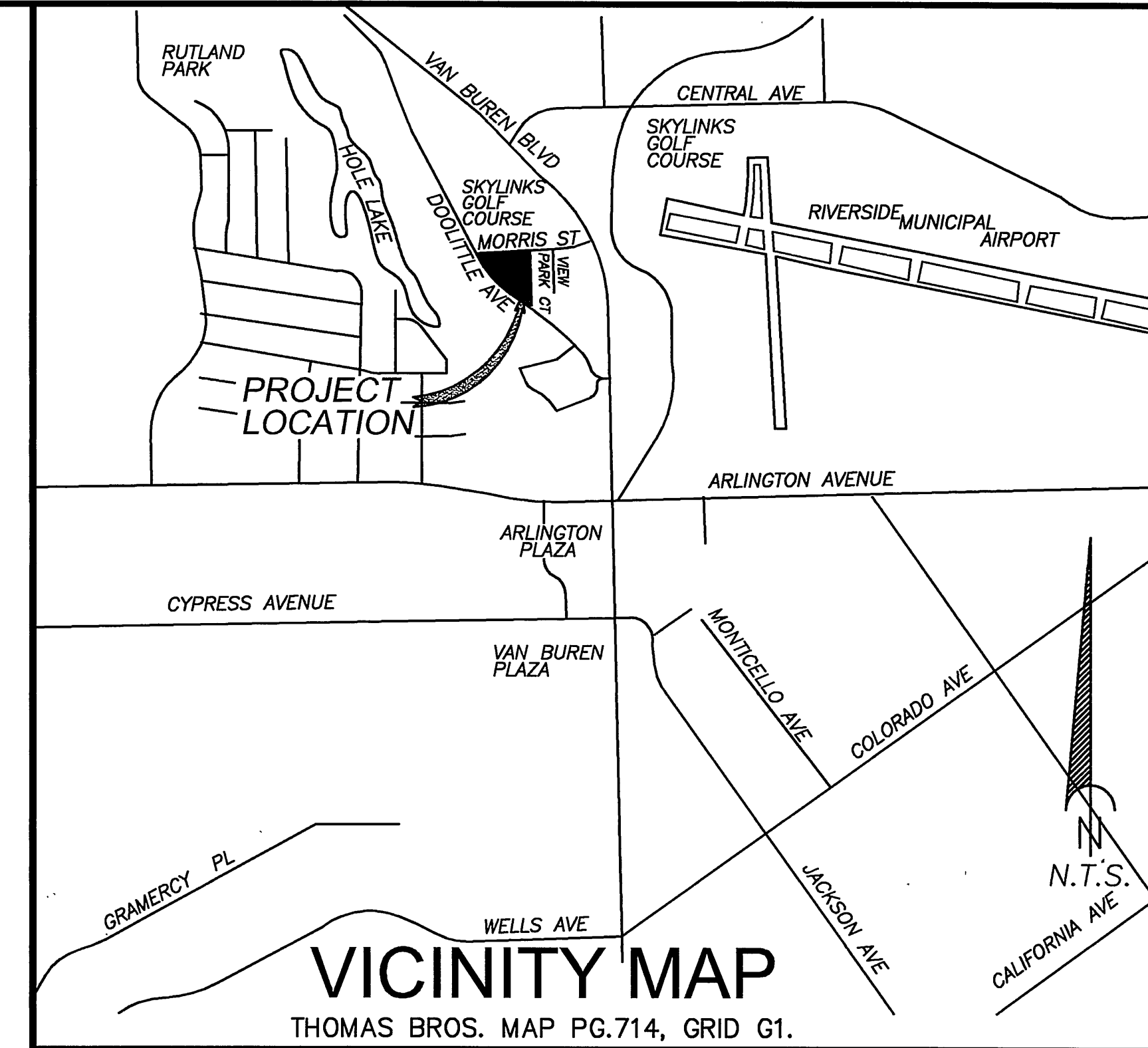
**NOTICE TO CONTRACTORS**

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

# SEWER IMPROVEMENT PLANS FOR THE DOO-MORR INDUSTRIAL PARK RIVERSIDE, CALIFORNIA

ADDRESS:

6655-75 DOOLITTLE AVENUE, RIVERSIDE, CALIFORNIA, 92503  
TENTATIVE PARCEL MAP NO. 32977



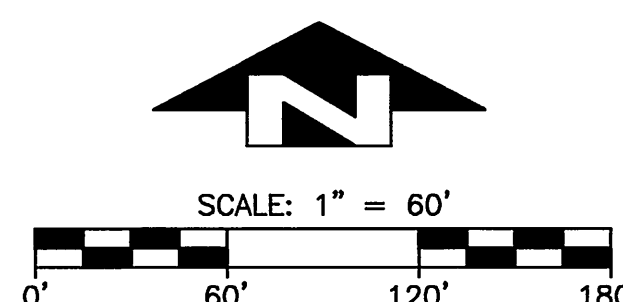
**ABBREVIATIONS**

- CB CATCH BASIN
- EX EXISTING
- FF FINISHED FLOOR
- FG FINISHED GRADE
- FL FLOW LINE
- FS FINISHED SURFACE
- FS FIRE SERVICE
- HP HIGH POINT
- INV INVERT
- LF LINEAR FEET
- LIP LIP OF GUTTER
- MAX MAXIMUM
- MIN MINIMUM
- P/L PROPERTY LINE
- PVC POLYVINYL CHLORIDE
- R RADIUS
- RCP REINFORCED CONCRETE PIPE
- R/W RIGHT OF WAY
- TC TOP OF CURB
- TYP TYPICAL
- W DOMESTIC WATER
- WM WATER METER
- WV WATER VALVE

**LEGEND**

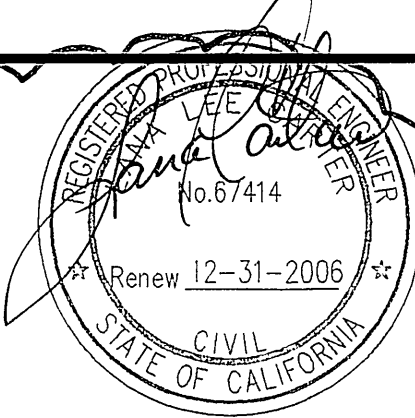
- EXIST CURB AND GUTTER
- EXIST DRAINAGE DEVICE
- EXIST TREES, SHRUBS
- EXIST FIRE HYDRANT
- EXIST VALVE
- EXIST CONTOUR
- EXIST SIGN
- PROPOSED SPOT ELEVATION RIGHT 700 FEET
- PROPOSED CURB AND GUTTER
- PROPOSED CONC
- PROPOSED AC PAVEMENT

**INDEX MAP**



ALL WORK SHOWN AS REVISION PREPARED UNDER THE DIRECTION OF

*John Carter* 67414 12-31-06  
NAME RCE# EXP. DATE  
BY ENGINEERING  
ONE CORPORATE PARK  
SUITE 101  
IRVINE, CALIFORNIA 92606  
CITY OF RIVERSIDE BUSINESS TAX  
CERTIFICATE #116013 EXP. 5/7/08



**IMPORTANT NOTICE**  
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a Permit to Excavate will be valid. For your Dig Alert ID Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

**CONSTRUCTION NOTES:**

NO.	DESCRIPTION	QUANTITIES	UNIT
1	INSTALL 8" VCP MAIN PER CITY OF RIVERSIDE STD. PLAN NO. 452, CASE 1 BEDDING	365	LF
2	INSTALL 8" CLEANOUT PER CITY OF RIVERSIDE STD. PLAN NO. 560	452	EA
3	INSTALL SEWER LATERAL CONNECTION PER CITY OF RIVERSIDE STD. PLAN NO. 562	2-3	LF
4	INSTALL 4" VCP LATERAL PER CITY OF RIVERSIDE STD. PLAN NO. 452, CASE 1 BEDDING	169	LF
5	INSTALL 4" CLEANOUT PER CITY OF RIVERSIDE STD. PLAN NO. 562A	6-5	EA
6	INSTALL DROP MANHOLE PER CITY OF RIVERSIDE STD. PLAN NO. 503	2	EA
7	INSTALL PRECAST MANHOLE PER CITY OF RIVERSIDE STD. PLAN NO. 500	1	EA

**QUANTITIES UNIT**

**DRAWING INDEX**

SHEET	NUMBER
TITLE SHEET, INDEX MAP, DETAILS & QUANTITIES	1
SANITARY SEWER LINE A AND LINE B	2

OWNER/DEVELOPER:  
BHARAT GALA  
5082 MISSION BLVD.  
ONTARIO, CALIFORNIA 91762  
(714) 926-0374  
(909) 590-5825 FAX

GEOTECHNICAL FIRM: COLEMAN GEOTECHNICAL  
9272 JERONIMO ROAD, SUITE 104  
IRVINE, CALIFORNIA 92618  
PH (949) 461-5260, FAX (949) 586-8040  
JAMES R. COLEMAN GE 229 EXP. DATE 6-30-07

CONTRACTOR: TEMAK CONSTRUCTION  
9281 WOODCREST DRIVE  
HUNTINGTON BEACH, CA  
(714) 963-0097  
(714) 965-1785 FAX  
TERRY MACKFRANG

GEOLOGICAL FIRM: COLEMAN GEOTECHNICAL  
9272 JERONIMO ROAD, SUITE 104  
IRVINE, CALIFORNIA 92618  
PH (949) 461-5260, FAX (949) 586-8040  
LEE A. SHOEMAKER CEG 1961 EXP. DATE 11-30-04

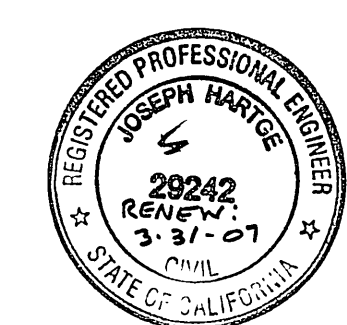
CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE #116013 EXP. 5/7/05

RELATED PLANS  
R-3812 STREET IMPROVEMENTS  
D-762 STORM DRAIN IMPROVEMENTS  
PW04-0321 GRADING PLAN

WDID# 8 33C328188

PREPARED BY:  
**BV ENGINEERING**  
CIVIL ENGINEERING  
LAND PLANNING  
LAND SURVEYING  
ONE CORPORATE PARK - STE. 101 IRVINE - CALIFORNIA 92606  
(949) 852-0517 FAX (949) 852-9582

ENGINEER IN RESPONSIBLE CHARGE  
*Joseph Hartge*  
JOSEPH HARTGE  
R.C.E. No. 29242 expires 3/31/07  
DATE 11-5-07

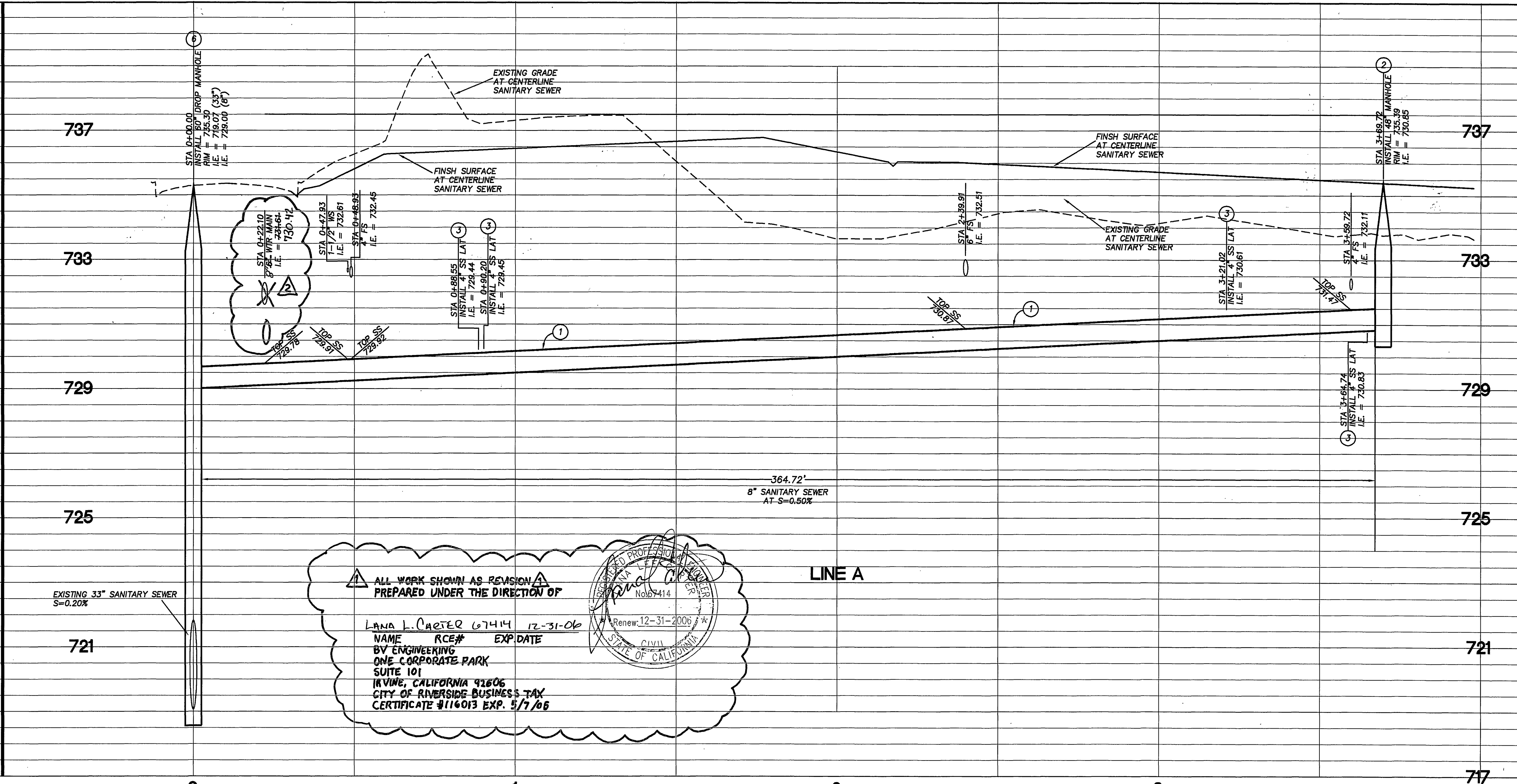
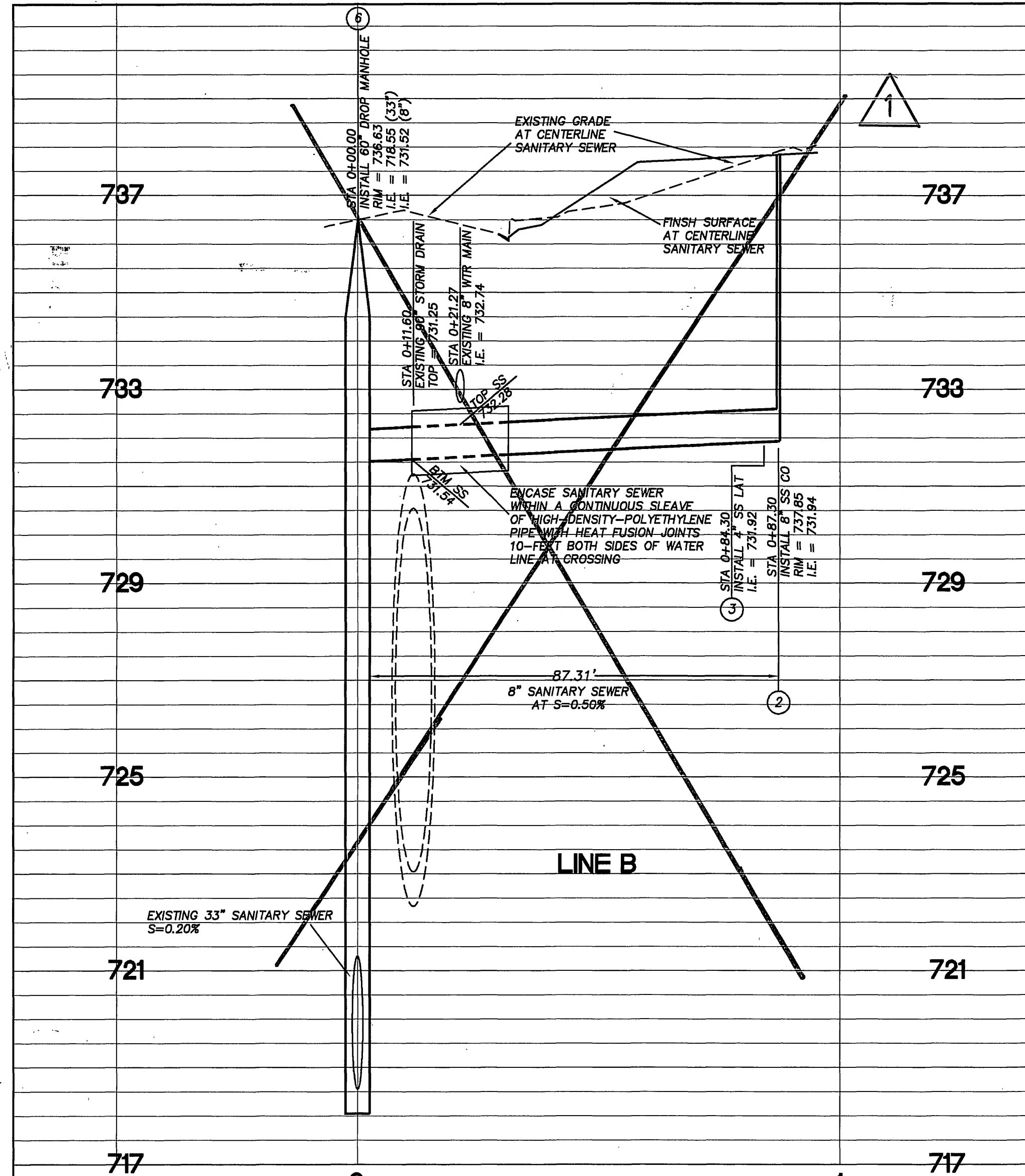


CITY OF RIVERSIDE  
PUBLIC UTILITIES DEPARTMENT  
WATER DIVISION  
*MM*  
APPROVED BY DATE 11/3/05

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
APPROVED BY: *RKZ* DATE: 12/1/05  
BY: *RSJ* DATE: 12/1/05  
STREET SERVICES TRAFFIC DIVISION  
MARK REVISIONS APPR. DATE  
DESIGNED BY LLC DRAWN BY LLC CHECKED BY *JH*

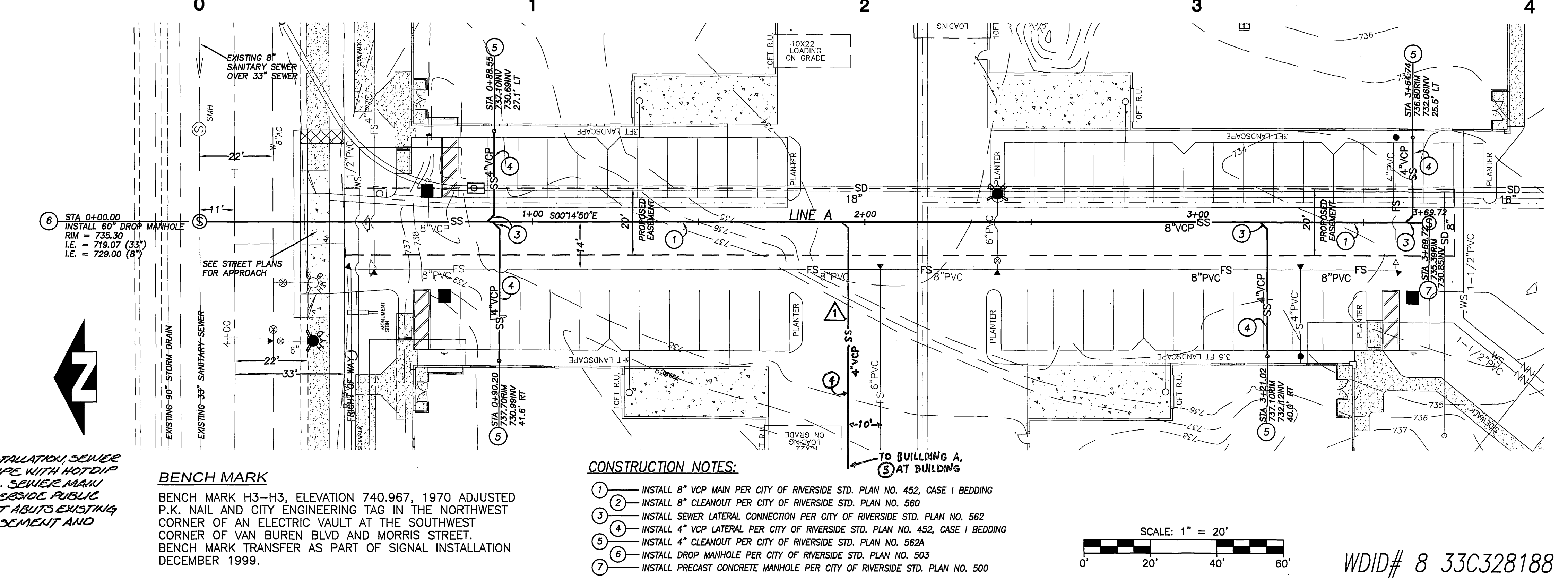
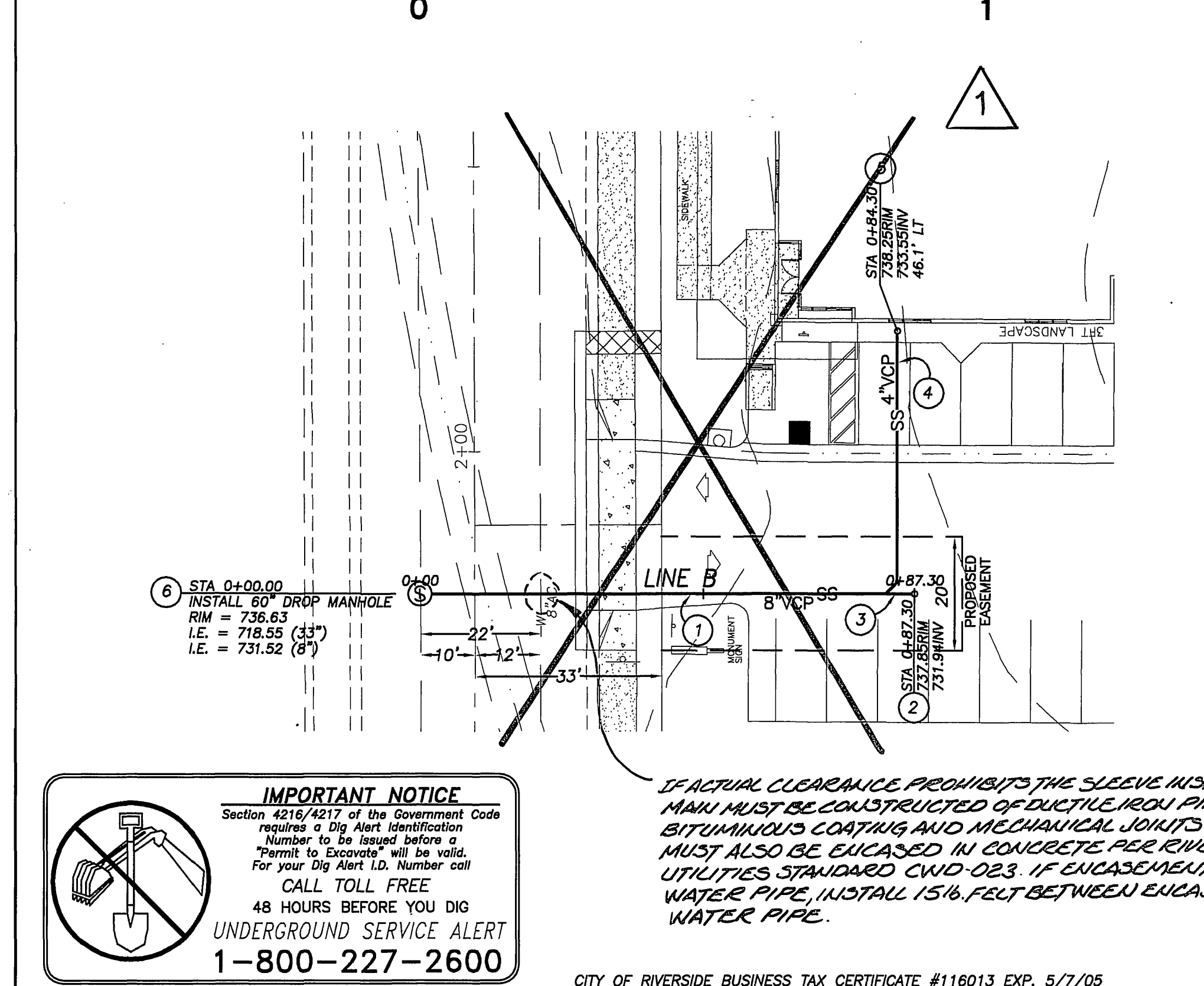
CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
APPROVED BY: *John Carter*  
BY: *RSJ* DATE: 12/1/05  
STREET SERVICES TRAFFIC DIVISION  
CITY ENGINEER  
DATE 3/2/05

SEWER IMPROVEMENT PLAN  
**DOO-MORR INDUSTRIAL PARK**  
TITLE SHEET, INDEX MAP, DETAILS & QUANTITIES  
HORIZONTAL SCALE: AS NOTED VERTICAL SCALE: AS NOTED  
PW04-0595  
S-1861  
SHEET 1 OF 2



ALL WORK SHOWN AS REVISION PREPARED UNDER THE DIRECTION OF

LANA L. CARTER 67414 12-31-06  
 NAME RCE# EXP DATE  
 BY ENGINEERING  
 ONE CORPORATE PARK  
 SUITE 101  
 IRVINE, CALIFORNIA 92606  
 CITY OF RIVERSIDE BUSINESS TAX  
 CERTIFICATE #116013 EXP. 5/7/06

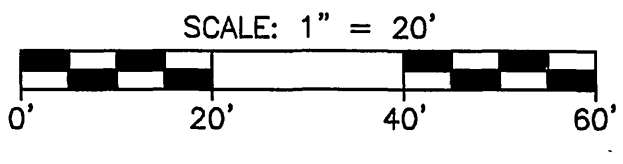


**IMPORTANT NOTICE**  
 Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be voided. For your Dig Alert I.D. Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

IF ACTUAL CLEARANCE PROHIBITS THE SLEEVE INSTALLATION, SEWER MANHOLE MUST BE CONSTRUCTED OF DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING AND MECHANICAL JOINTS. SEWER MANHOLE MUST ALSO BE ENCASED IN CONCRETE PER RIVERSIDE PUBLIC UTILITIES STANDARD CUID-023. IF ENCASEMENT ABUTS EXISTING WATER PIPE, INSTALL 1 1/2" FELT BETWEEN ENCASEMENT AND WATER PIPE.

**BENCH MARK**  
 BENCH MARK H3-H3, ELEVATION 740.967, 1970 ADJUSTED P.K. NAIL AND CITY ENGINEERING TAG IN THE NORTHWEST CORNER OF AN ELECTRIC VAULT AT THE SOUTHWEST CORNER OF VAN BUREN BLVD AND MORRIS STREET. BENCH MARK TRANSFER AS PART OF SIGNAL INSTALLATION DECEMBER 1999.

- CONSTRUCTION NOTES:**
- INSTALL 8" VCP MAIN PER CITY OF RIVERSIDE STD. PLAN NO. 452, CASE 1 BEDDING
  - INSTALL 8" CLEANOUT PER CITY OF RIVERSIDE STD. PLAN NO. 560
  - INSTALL SEWER LATERAL CONNECTION PER CITY OF RIVERSIDE STD. PLAN NO. 562
  - INSTALL 4" VCP LATERAL PER CITY OF RIVERSIDE STD. PLAN NO. 452, CASE 1 BEDDING
  - INSTALL 4" CLEANOUT PER CITY OF RIVERSIDE STD. PLAN NO. 562A
  - INSTALL DROP MANHOLE PER CITY OF RIVERSIDE STD. PLAN NO. 503
  - INSTALL PRECAST CONCRETE MANHOLE PER CITY OF RIVERSIDE STD. PLAN NO. 500



WDID# 8 33C328188

PREPARED BY:

**BV ENGINEERING**  
 CIVIL ENGINEERING  
 LAND PLANNING  
 LAND SURVEYING  
 ONE CORPORATE PARK • STE. 101 IRVINE • CALIFORNIA 92606  
 (949) 852-0517 FAX (949) 852-9582

ENGINEER IN RESPONSIBLE CHARGE

JOSEPH HARTGE  
 R.C.E. No. 29242 expires 3/31/07  
 DATE 11-5-04

REGISTERED PROFESSIONAL ENGINEER  
 JOSEPH HARTGE  
 No. 29242  
 Renew: 3-31-2007  
 CIVIL  
 STATE OF CALIFORNIA

CITY OF RIVERSIDE  
 PUBLIC UTILITIES DEPARTMENT  
 WATER DIVISION

APPROVED BY *[Signature]* 11/3/05  
 DATE

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT			
APPROVED BY	BY	DATE	APPROVED BY
REVISE SIZE AND ELEVATION OF WATER LINE AT CROSSING	RVC	3/27/05	PRINCIPAL ENGINEER
ELIMINATE LINE B & ADD SS LATERAL FROM BLDG A TO LINE A	RVC	3/27/05	STREET SERVICES
MARK	REVISIONS	APPR. DATE	TRAFFIC DIVISION
DESIGNED BY LLC	DRAWN BY LLC	CHECKED BY JHT	CITY ENGINEER
			DATE 3/25/05

**SEWER IMPROVEMENT PLAN**

**DOO-MORR INDUSTRIAL PARK**

SANITARY SEWER LINE A

PH04-0595  
 S-1861  
 SHEET 2 OF 2

HORIZONTAL SCALE: 1"=20'  
 VERTICAL SCALE: 1"=2'

INDEXED 3-28-05 JHT