

SEWER 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, STANDARD DRAWING NO. 10, 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 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.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NUMBER 1-800-422-4133, 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 USA.
- CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
- LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
- NO FINISHED FLOOR ELEVATIONS SHALL BE LESS THAN 4- FEET ABOVE THE SEWER FLOW LINE AT POINT OF CONNECTION 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 ON-SITE PAVING IS COMPLETED.

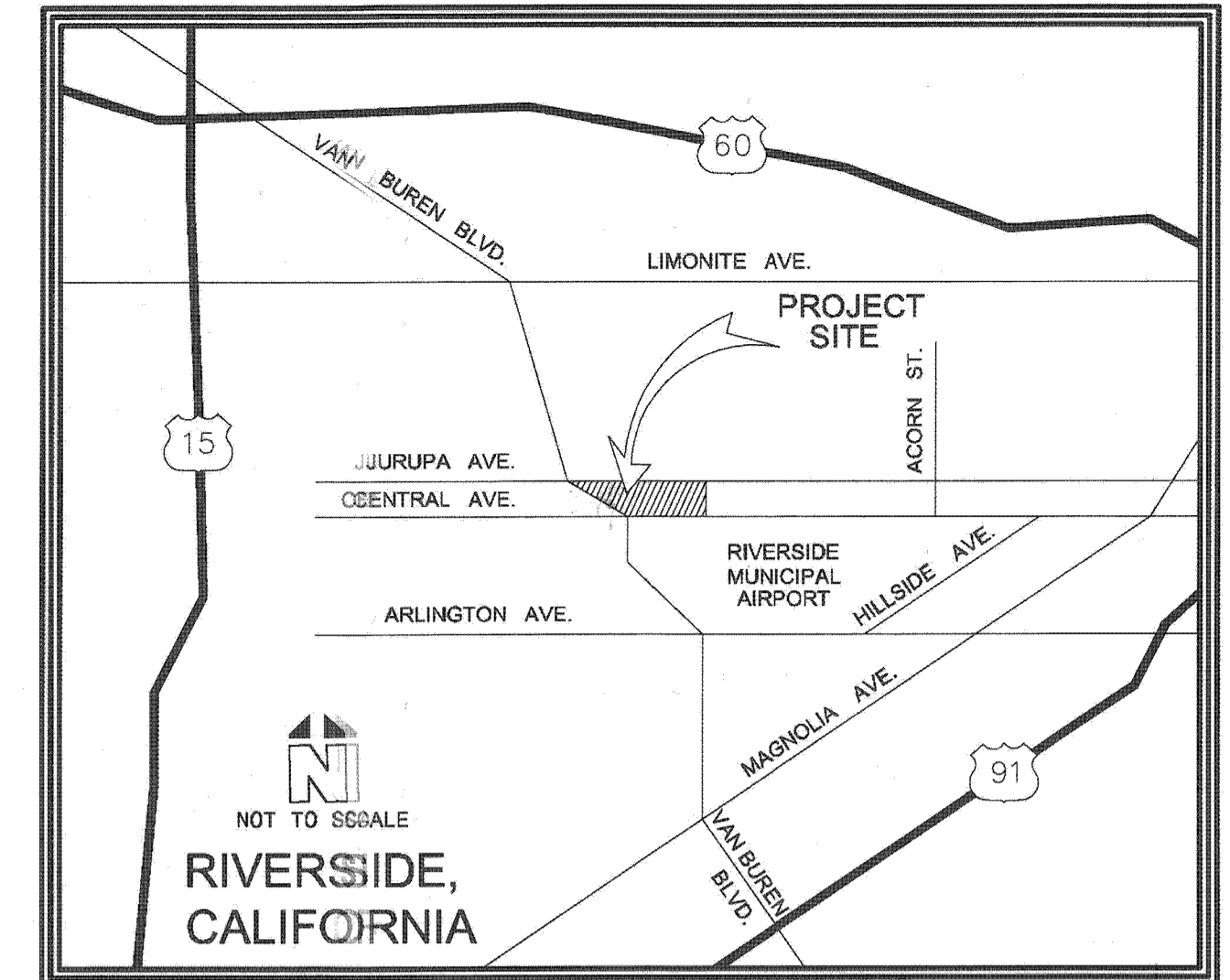
CONSTRUCTION NOTES AND QUANTITIES

SANITARY SEWER CONSTRUCTION NOTES:

1	REMOVE INTERFERING PORTION OF EXIST. 8" V.C.P. SEWER AND CONSTRUCT 60" DIAMETER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 1100.	1	EA
2	CONSTRUCT 8" VCP SEWER WITH PIPE BEDDING PER CITY OF RIVERSIDE STD. DWG. 452 CASE I.	477	LF
3	CONSTRUCT 48" DIAMETER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.	3	EA
4	CONSTRUCT 4" V.C.P. LATERAL WITH P.L. CLEAN OUT PER CITY OF RIVERSIDE STD. DWG. NO. 562A.	292	LF

NOTICE TO CONTRACTOR

QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.



VICINITY MAP

NOTICES TO CONTRACTORS

UNDERGROUND UTILITIES

THE EXISTENCE AND APPROXIMATE LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES OR STRUCTURES EXCEPT AS SHOWN ON THE PLANS. THE ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION/NEITHER OF SAID LINES NOR FOR UTILITIES OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK ON EXCAVATION TO DETERMINE EXACT LOCATION OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION OF THESE LINES.

THE CONTRACTOR SHALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (U.S.A.) PHONE 1-800-227-2600 TWO-WORKING DAYS PRIOR TO DIGGING. NO CONSTRUCTION PERMIT, ISSUED BY THE PUBLIC WORKS DEPARTMENT, SHALL BE VALID INVOLVING UNDERGROUND FACILITIES AND UNLESS THE APPLICANT HAS AN INQUIRY IDENTIFICATION NUMBER ISSUED BY THE U.S.A.

CONTRACTORS RESPONSIBILITY FOR SAFETY

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

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT THE EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND WITH "CONSTRUCTION SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTOR OR SUBCONTRACTOR'S COMPLIANCE WITH SAID REGULATION AND ORDERS.

ESTIMATED QUANTITIES

THE ESTIMATED QUANTITIES HEREON ARE ONLY FOR THE PURPOSE OF OBTAINING THE NECESSARY PERMITS, AND CANYON DOES NOT GUARANTEE THE ACCURACY OF THE ESTIMATED QUANTITIES. THE CONTRACTOR SHALL PERFORM HIS OWN QUANTITY TAKEOFF BEFORE SUBMITTING A BID FOR ANY PORTION OF THE IMPROVEMENTS COVERED BY THESE PLANS.

UNAUTHORIZED CHANGES & USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

REFERENCE DRAWINGS

- GRADING PLANS -----PW06-1180
- STREET IMPROVEMENT PLANS-----R-4015

SHEET INDEX

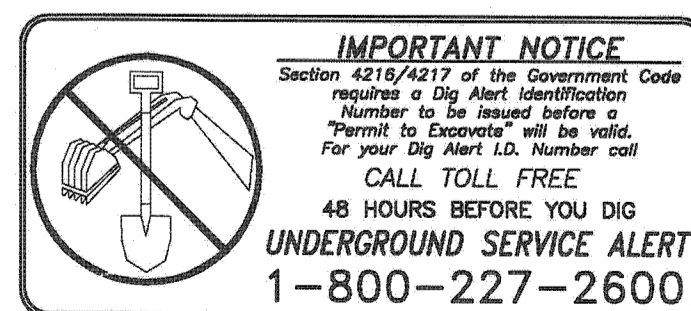
- 1 ----- TITLE SHEET
- 2 ----- SANITARY SEWER PLAN AND PROFILE

LEGEND

	PROPOSED SEWER LINE	T.C.	TOP OF CURB
	EXISTING SEWER LINE	T.B.	TOP OF BERM
	PROPOSED SEWER MANHOLE	M.H.	MANHOLE
	EXISTING SEWER MANHOLE	V.C.P.	VITRIFIED CLAY PIPE
	PROPOSED LATERAL	C.L.	CENTERLINE
	PROPOSED CONTOURS	F.F.	FINISH FLOOR
	EXISTING CONTOURS	E.P.	EDGE OF PAVEMENT

CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE

NO. 119928
EXP. DATE: 04/01/08



BASIS OF BEARINGS
THE BEARINGS SHOWN HEREON ARE BASED UPON THE BEARING OF JURUPA AVENUE, BEING NORTH 80°01'00" EAST AS SHOWN ON PARCEL MAP NO. 28402 RECORDED IN BOOK 188, PAGES 52 AND 53 OF MAPS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

BENCHMARK
B.M. No. H4-H3
PK NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET LIGHT ALONG THE NORTHERLY CURB OF JURUPA AVE., 50' WESTERLY OF WILDERNESS AVENUE. LEVELED AS PART OF THE LANDFILL BORROW SITE PROJECT. ADJ. 1970, ELEV. 773.899 FEET

CITY OF RIVERSIDE WATER DEPT.

APPROVED BY *Jesus A. Michel* DATE *4/30/07*
VOID ONE YEAR FROM THIS DATE

CANYON CONSULTING
PLANNING • ENGINEERING • SURVEYING
9024 RESEARCH DRIVE, IRVINE, CA 92618
949-486-1430 VOICE, 949-486-1442 FAX

Jesus A. Michel 04/30/07
JESUS A. MICHEL DATE
R.C.E. No. 28106 expires 3/31/08



MARK	REVISIONS	APPR.	DATE
DESIGNED BY <i>JAM</i>	DRAWN BY <i>KID</i>	CHECKED BY <i>JAM</i>	DATE

PW06-1181
CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY _____ BY _____ DATE _____
PRINCIPAL ENGINEER

APPROVED BY *Jesus A. Michel*
CITY ENGINEER
DATE *5/4/07*

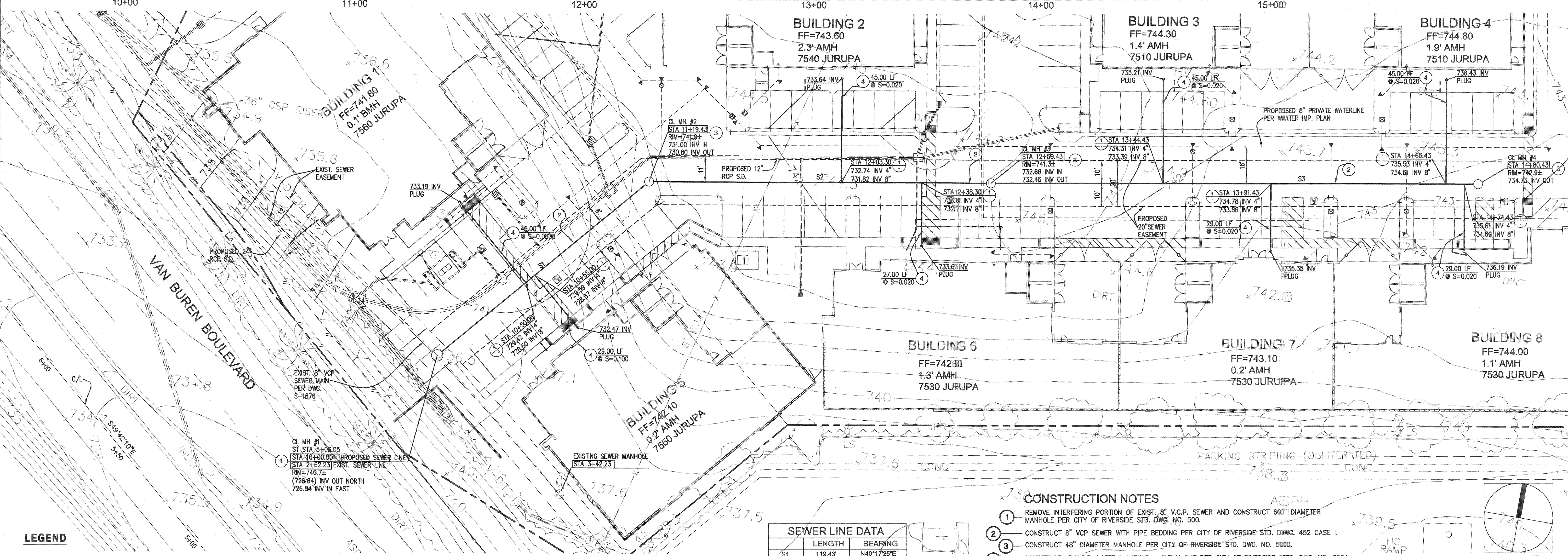
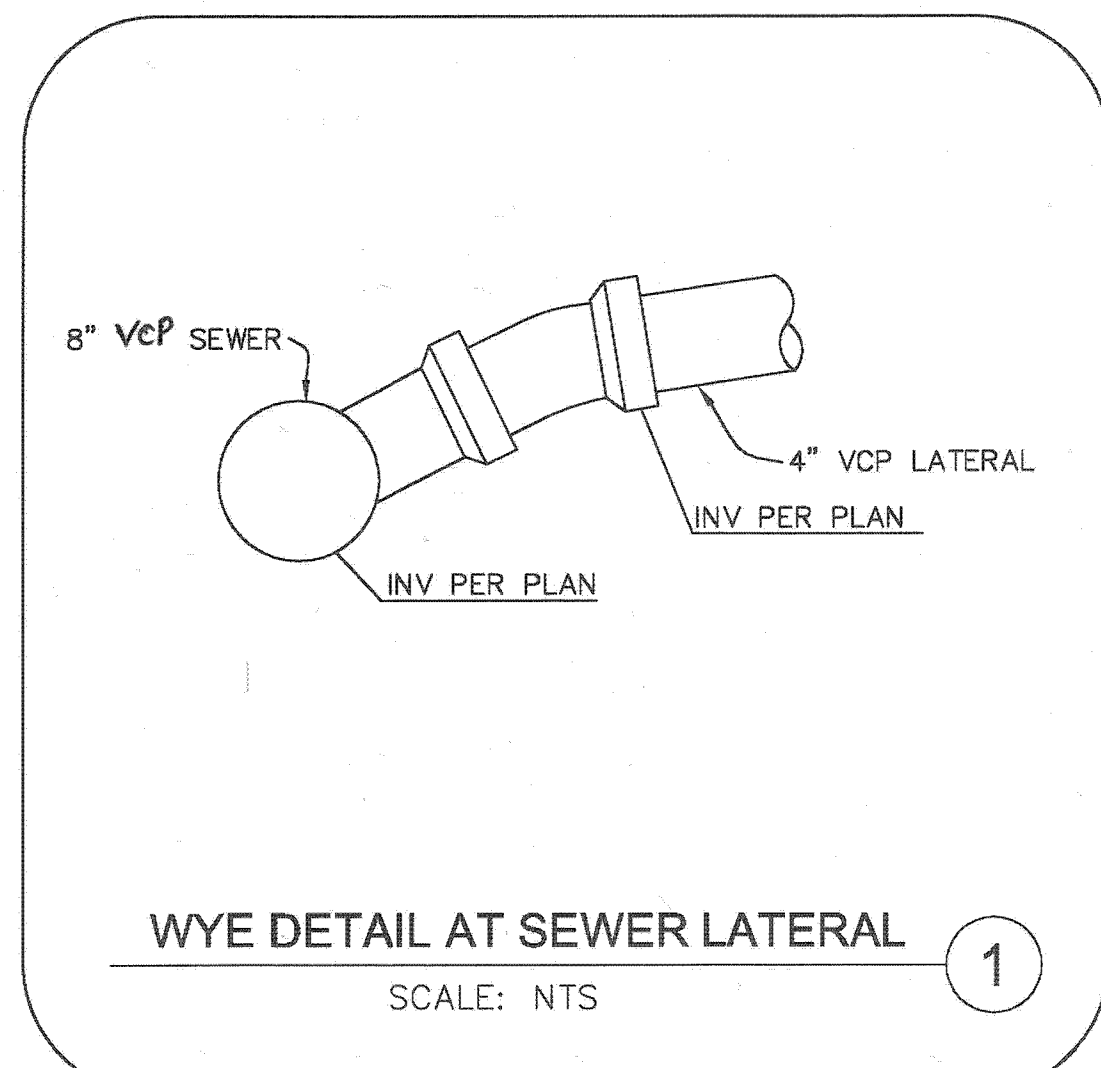
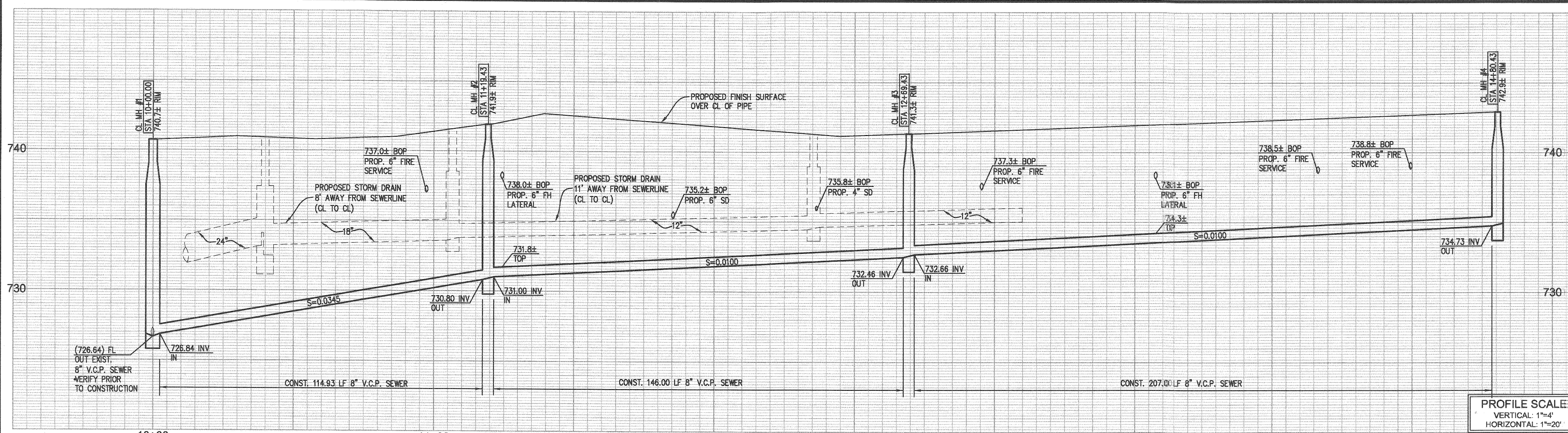
SEWER IMPROVEMENT PLAN
EMPIRE BUSINESS CENTER
7510, 7530, 7540, 7550, AND 7560 JURUPA AVENUE
LOCATED ON THE SOUTH SIDE OF JURUPA AVENUE
BETWEEN VAN BUREN BLVD. AND RICKENBACKER AVENUE
CASE NUMBER DR P06-1102

ACCT. NO.
S-2019
SHEET 1 OF 2

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4' 03/23/2007

INDEXED 5-14-07 (PH)

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LEGEND

	PROPOSED SEWER LINE	T.C.	TOP OF CURB
	EXISTING SEWER LINE	T.B.	TOP OF BERM
	PROPOSED SEWER MANHOLE	M.H.	MANHOLE
	EXISTING SEWER MANHOLE	V.C.P.	VITRIFIED CLAY PIPE
	PROPOSED LATERAL	C.L.	CENTERLINE
	PROPOSED CONTOURS	F.F.	FINISH FLOOR
	EXISTING CONTOURS	E.P.	EDGE OF PAVEMENT

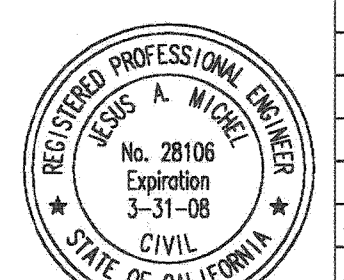
SEWER LINE DATA

LINE	LENGTH	BEARING
S1	119.43'	N40°17'25"E
S2	150.00'	N80°00'35"E
S3	211.00'	N80°00'35"E

- CONSTRUCTION NOTES**
- REMOVE INTERFERING PORTION OF EXIST. 8" V.C.P. SEWER AND CONSTRUCT 60" DIAMETER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
 - CONSTRUCT 8" VCP SEWER WITH PIPE BEDDING PER CITY OF RIVERSIDE STD. DWG. 452 CASE I.
 - CONSTRUCT 48" DIAMETER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 5000.
 - CONSTRUCT 4" V.C.P. LATERAL WITH P.L. CLEAN OUT PER CITY OF RIVERSIDE STD. DWG. NO. 562A.

IMPORTANT NOTICE
 Section 45174.17 of the Government Code requires a Dig Alert Identification Number to be placed 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

CANYON CONSULTING
 PLANNING • ENGINEERING • SURVEYING
 9524 RESEARCH DRIVE, IRVINE, CA 92618
 949/468-1430 VOICEMAIL 949/468-1444 FAX
 Jesus A. Michel 03/23/07
 R.C.E. No. 28106 expires 3/31/08



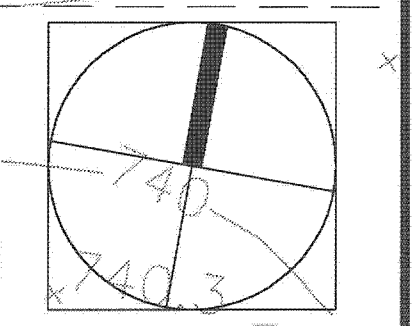
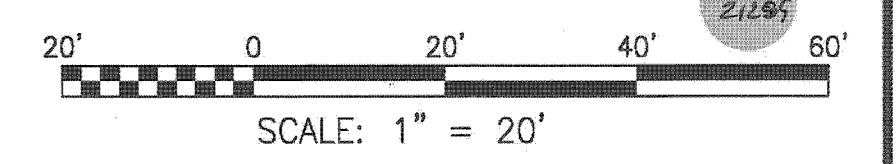
PW06-1181
 CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>[Signature]</i>		<i>[Signature]</i>
			CITY ENGINEER
			DATE 5/4/07

DESIGNED BY JAM DRAWN BY KID CHECKED BY JAM

SEWER IMPROVEMENT PLAN
EMPIRE BUSINESS CENTER
 7510, 7530, 7540, 7550, AND 7560 JURUPA AVENUE
 LOCATED ON THE SOUTH SIDE OF JURUPA AVENUE
 BETWEEN VAN BUREN BLVD. AND RICKENBACKER AVENUE
 CASE NUMBER DR P06-1102

ACCT. NO. **S-2019**
 SHEET 2 OF 2
 HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4' 03/23/2007



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