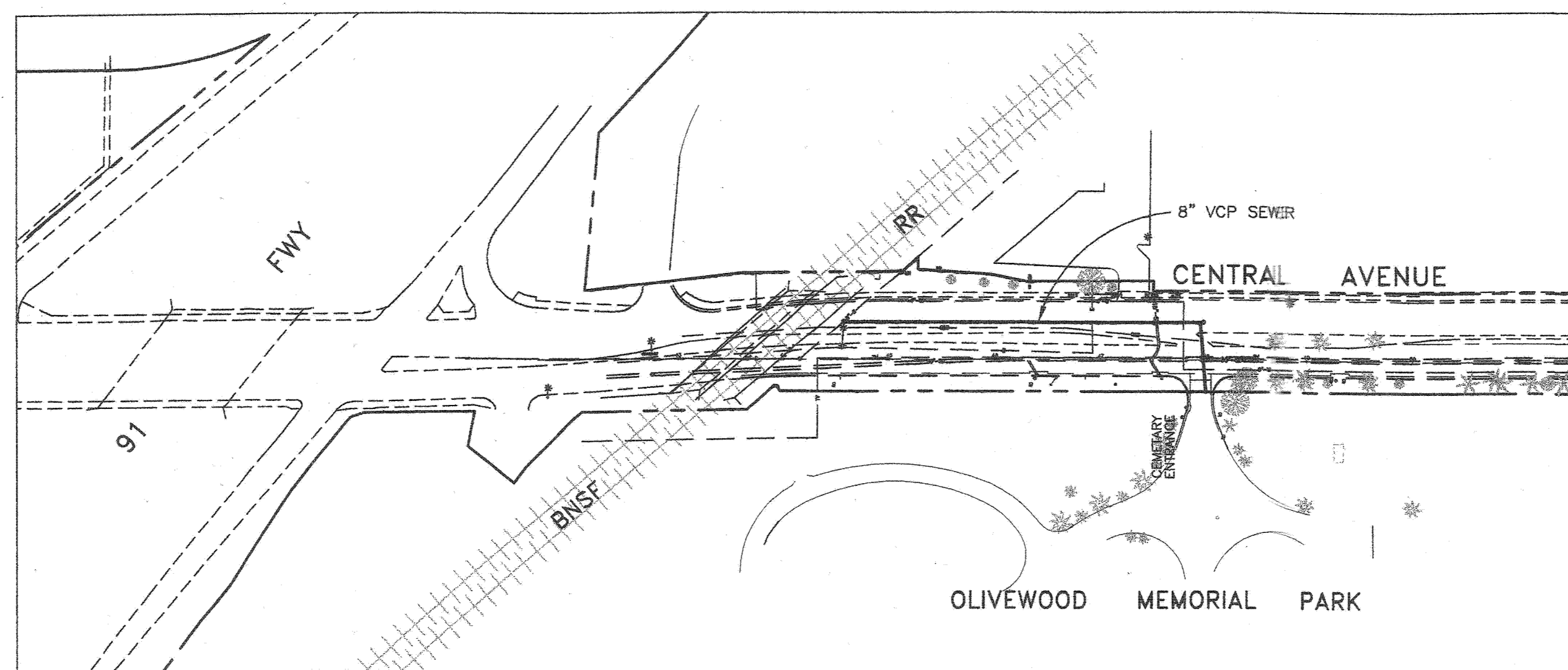
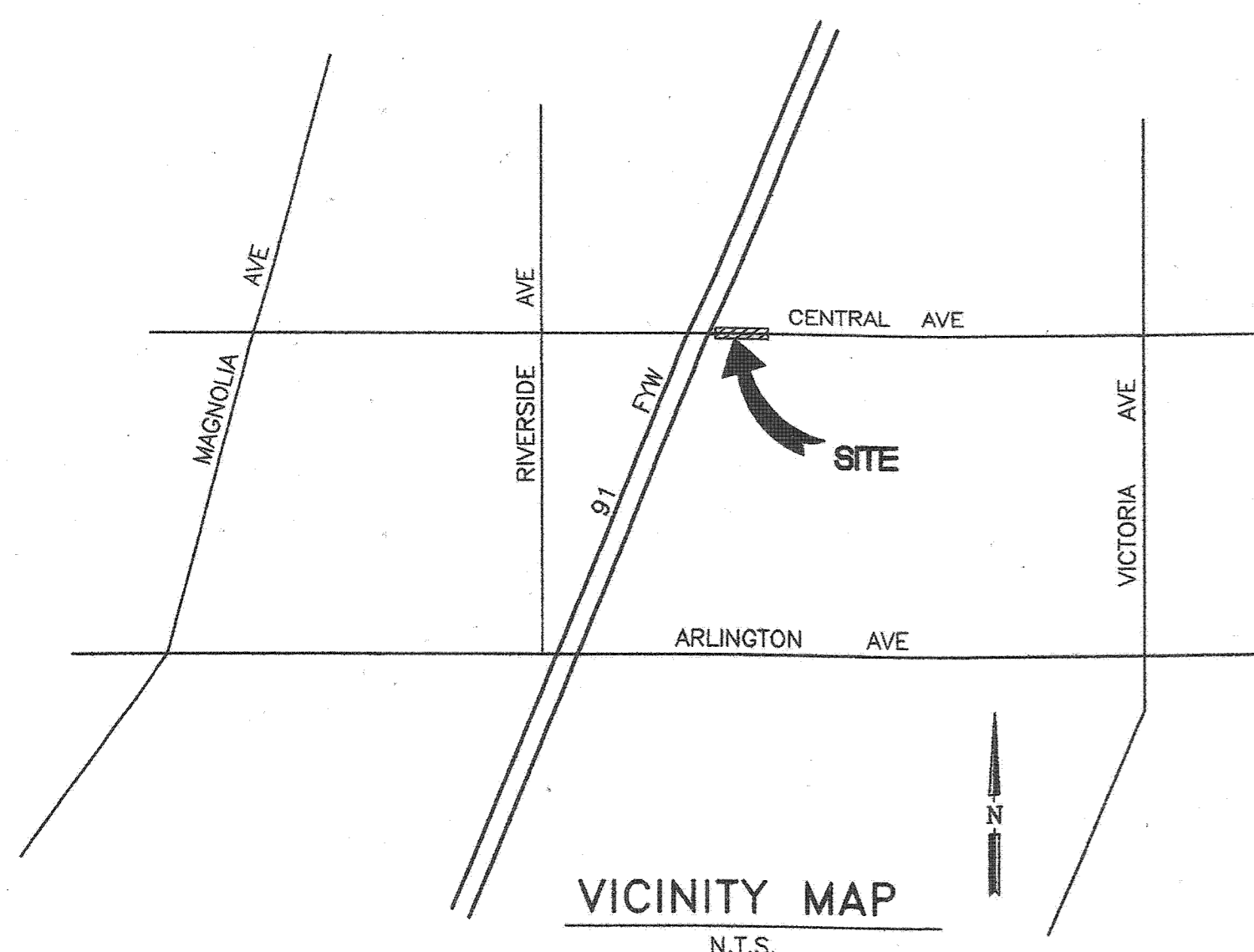


SEWER IMPROVEMENT PLAN

CENTRAL AVENUE

OLIVEWOOD MEMORIAL PARK



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 WITH OUT 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, 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 CONTRACTOR 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.
8. THE CONTRACTOR SHALL CALL IN ALLOCATION 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 USA.
9. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATIONS PRIOR TO CONSTRUCTION.
10. LOCATIONS OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
11. NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITH OUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
12. 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.
13. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
14. PIPE JOINTS FOR VITRIFIED CLAY PIPE SHALL BE TYPE "G" AS SPECIFIED IN SECTION 208-2.3 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS PROJECTS. CEMENTED JOINTS SHALL NOT BE ALLOWED.
15. 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 INSPECTOR.

ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND 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 EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER 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 OR THE ENGINEER.

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

CONSTRUCTION NOTES

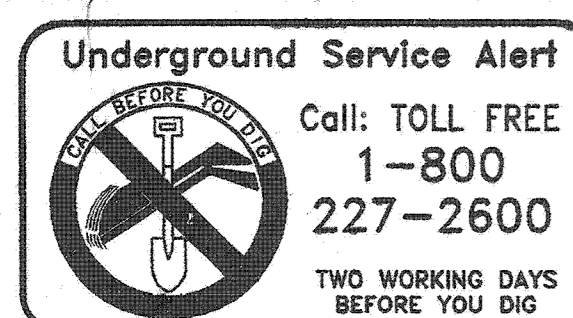
QUANTITIES

- | | | |
|---|---|--------|
| ① | INSTALL 8" VCP SEWER LINE, BEDDING PER CASE 1, STD. DWG. 452 | 340 LF |
| ② | INSTALL MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500 W/LOCKING COVER | 2 EA |
| ③ | INSTALL 6" LATERAL/W PL CLEANOUT PER CITY OF RIVERSIDE STD. DWG. 562A | 66 LF |

INDEX OF SHEETS

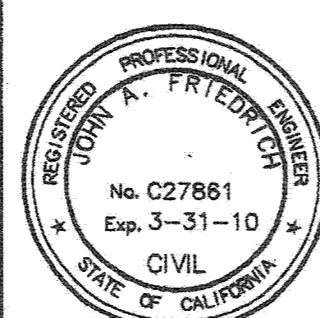
SHEET 1 TITLE SHEET
SHEET 2 PLAN & PROFILE

CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE No.60137 EXP. DATE 5-2-08



CITY OF RIVERSIDE
PUBLIC UTILITIES - WATER
APPROVED BY: *[Signature]* DATE 4/22/08

BENCH MARK:
BRASS DISK STAMPED "H7-C IN A MONUMENT WELL AT THE INTERSECTION OF CENTRAL AVENUE AND VICTORIA AVENUE
ELEV. 946.578



PREPARED BY:
GFB-FRIEDRICH & ASSOC., INC.
CONSULTING CIVIL ENGINEERS
6529 RIVERSIDE AVENUE, STE. 230
RIVERSIDE, CA 92506
(951) 781-9811, info@gfbglobal.net
DATE 4-17-08
JOHN A. FRIEDRICH R.C.E. 27861 EXP 3-31-10

MARK REVISIONS APPR. DATE
DESIGNED BY GRW DRAWN BY GRW CHECKED BY JAF

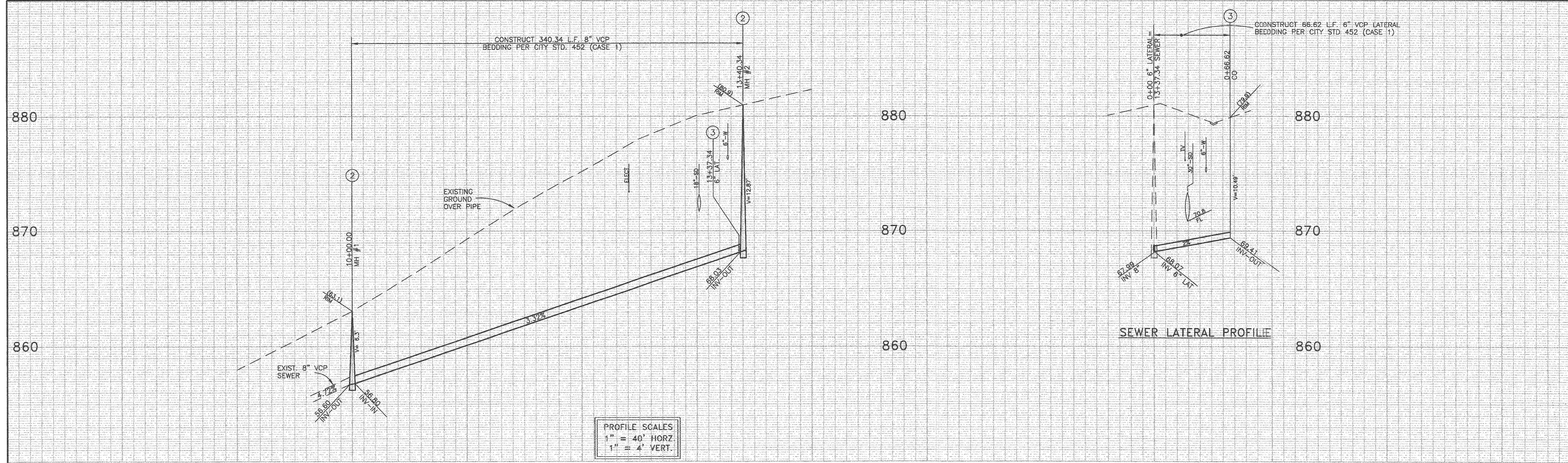
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *[Signature]* DATE 4/22/08
CITY ENGINEER
DATE 4/22/08

SEWER PLAN
TITLE SHEET
SEWER COLLECTION SYSTEM
OLIVEWOOD MEMORIAL PARK
CENTRAL AVENUE

PW08-0134
PROJECT NO.
S-2047
SHEET 1 OF 2
FILE NO.: S2047-1

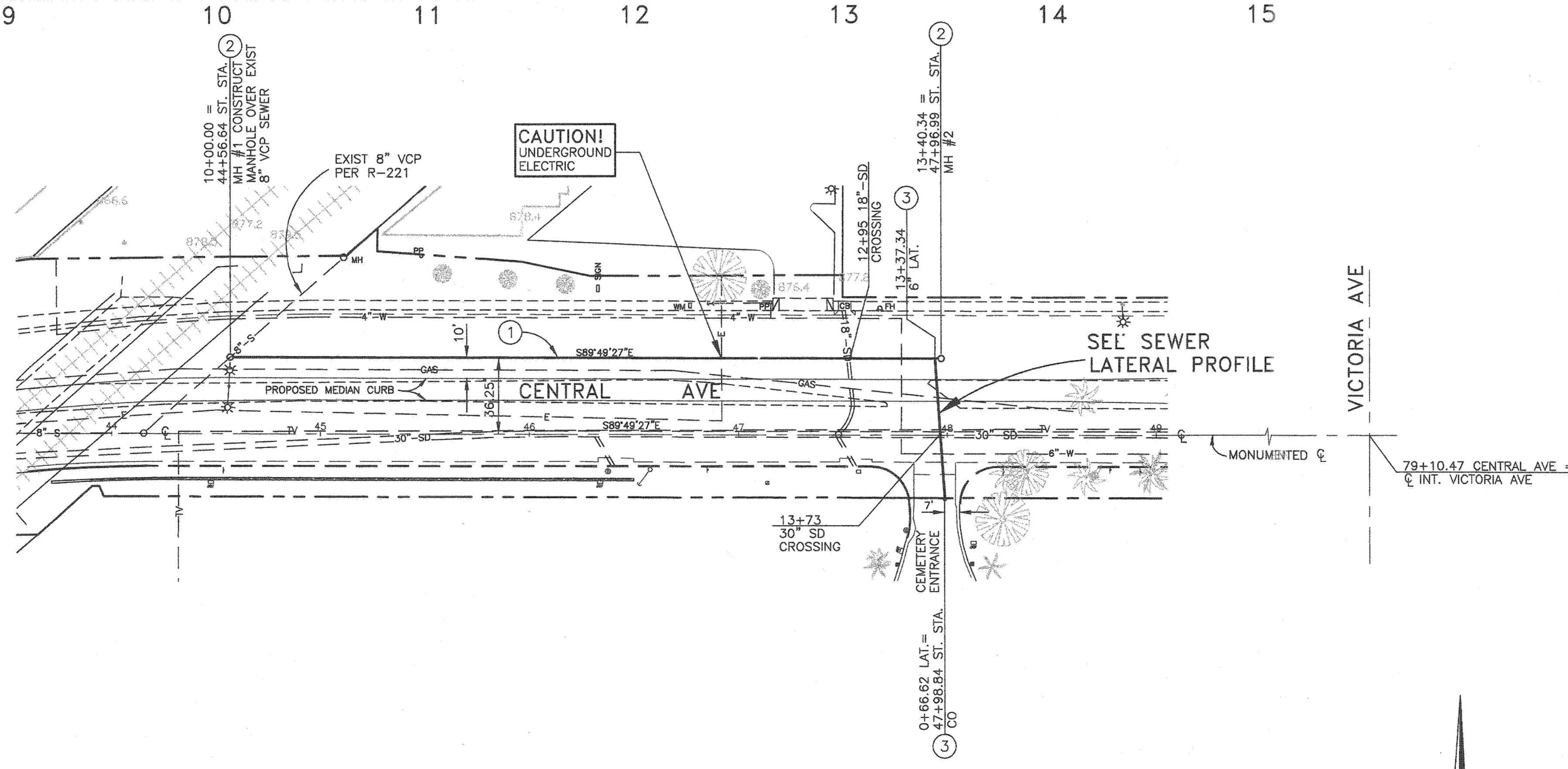
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INDEXED 5-01-08 left



PROFILE SCALES
 1" = 40' HORZ
 1" = 4' VERT.

SEWER LATERAL PROFILE

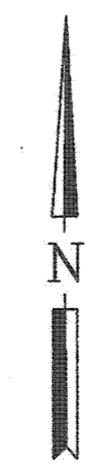
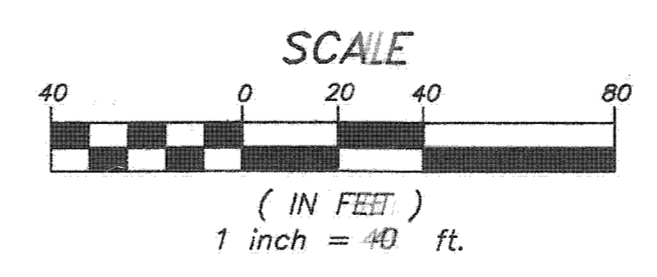


CONSTRUCTION NOTES

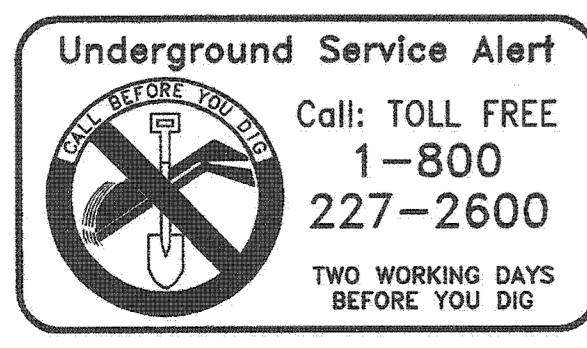
- ① INSTALL 8" VCP SEWER LINE, BEDDING PER CITY STD. DWG 452 (CASE 1)
- ② INSTALL MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500 W/LOCKING COVER
- ③ INSTALL 6" LATERAL/W PL CLEANOUT PER CITY OF RIVERSIDE STD. DWG. 562A

LOCKING MH COVER NOTES

- 1. COVERS TO BE HINGED AND INCORPORATE A 90 DEGREE BLOCKING SYSTEM TO PREVENT ACCIDENTAL CLOSURE.
- 2. COVERS SHALL BE ONE-MAN OPERABLE USING STANDARD TOOLS AND SHALL BE CAPABLE OF WITHSTANDING AN AVERAGE LOAD OF 120,000 LBS.
- 3. COVERS SHALL CONTAIN 1/4 TURN LOCKING DEVICE ACTIVATED BY AN ASYMMETRICAL FIVE SIDED BOLT HEAD. LOCK MUST BE OPERATED WITH A HANDLING KEY SIMILAR TO THE PENTA LOCKING KITS BY PAMREX. FOUR HANDLING KEYS SHALL BE PROVIDED TO THE CITY BY THE CONTRACTOR AT TIME OF COMPLETION.
- 4. COVERS AND FRAMES SHALL BE GALVANIZED.



CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE No.60137 EXP. DATE 5-2-08



BENCH MARK:
 BRASS DISK STAMPED "47-C IN A MONUMENT WELL AT THE INTERSECTION OF CENTRAL AVENUE AND VICTORIA AVENUE
 ELEV. 946.578



PREPARED BY:
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 CONSULTING CIVIL ENGINEERS
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 RIVERSIDE, CA 92506
 (951) 791-0811 - fax: (951) 791-0812
 JOHN A. FRIEDRICH R.C.E. 27861 EXP 3-31-10

MARK	REVISIONS	APPR. DATE

DESIGNED BY GRW DRAWN BY GRW CHECKED BY JAF

CITY OF RIVERSIDE
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature]
 PROFESSIONAL ENGR. DATE: 4/20/08
 CITY ENGINEER

DATE: 4/20/08

SEWER PLAN
 OLIVEWOOD MEMORIAL PARK
CENTRAL AVENUE
 STA. 10+00.00 TO 13+60.99
 SCALE: HORIZ: 1"=40' VERT: 1"=4'

PW08-0134 PROJECT NO.
S-2047 SHEET 2 OF 2
 FILE NO.: