

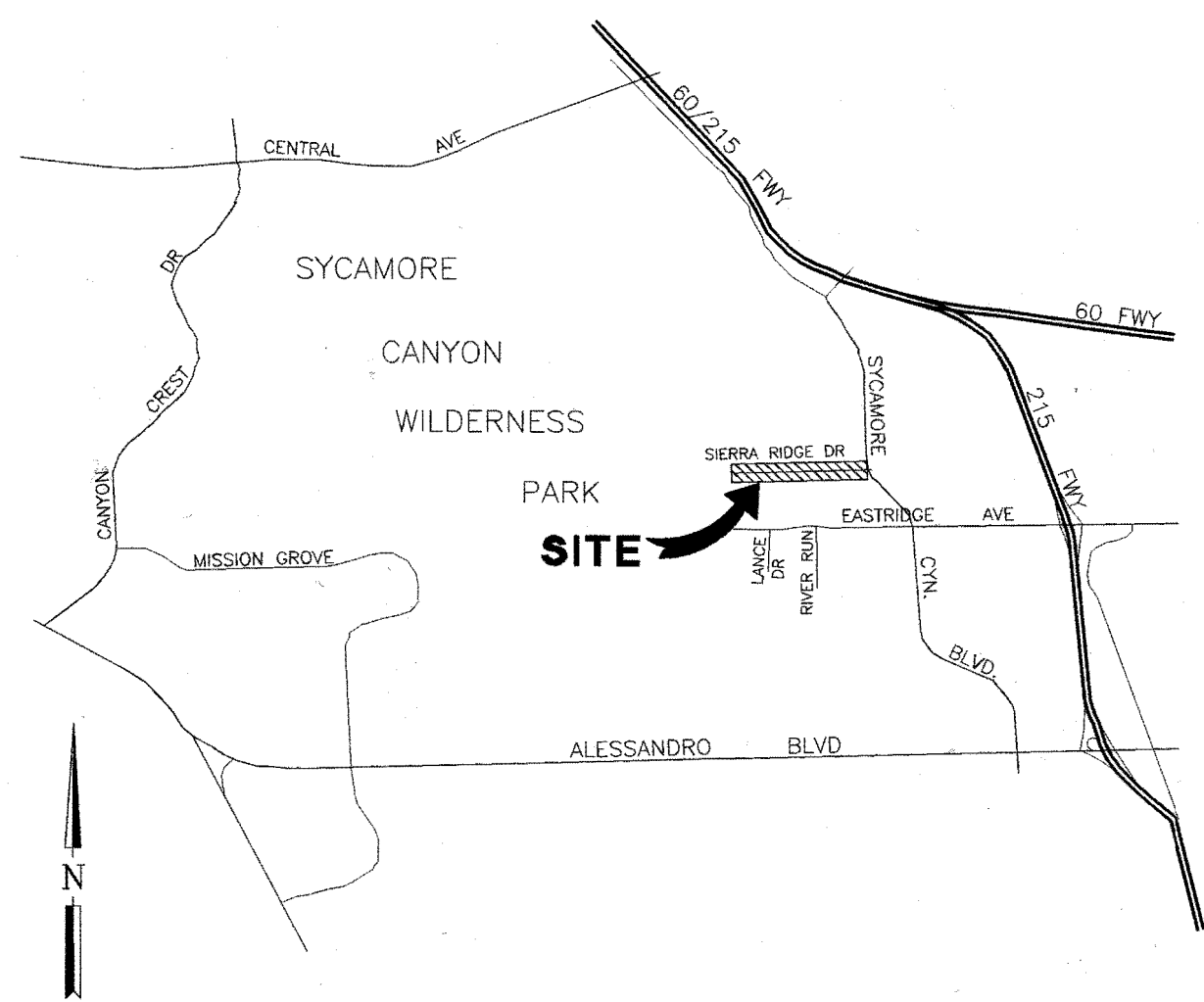
SEWER IMPROVEMENT PLAN

SIERRA RIDGE DRIVE

PARCEL MAP 33246

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 SPECIAL 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 IN THE PLAN VIEW SHALL BE STAKED IN THE FIELD.
8. 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 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.



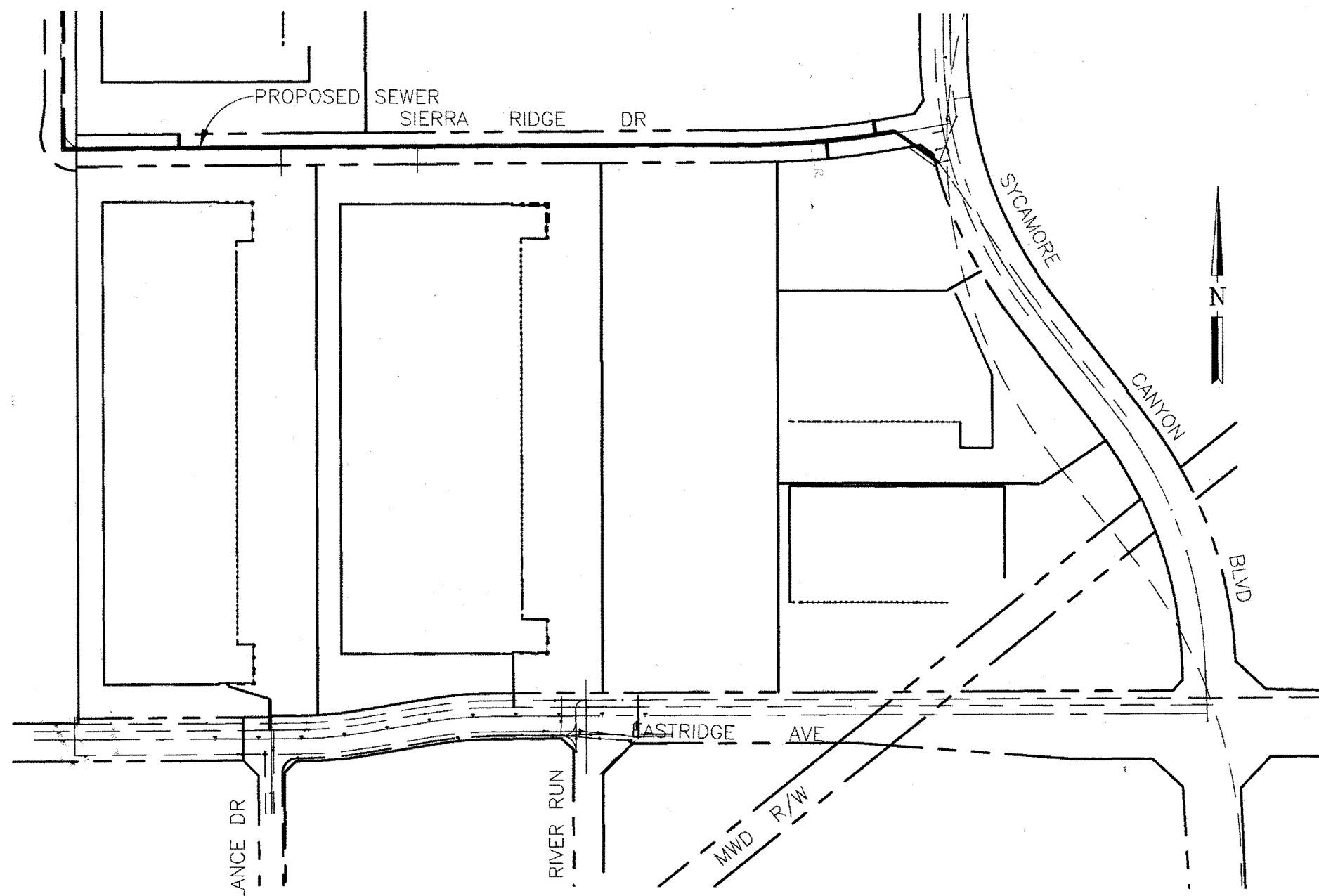
VICINITY MAP
N.T.S.

CONSTRUCTION NOTES

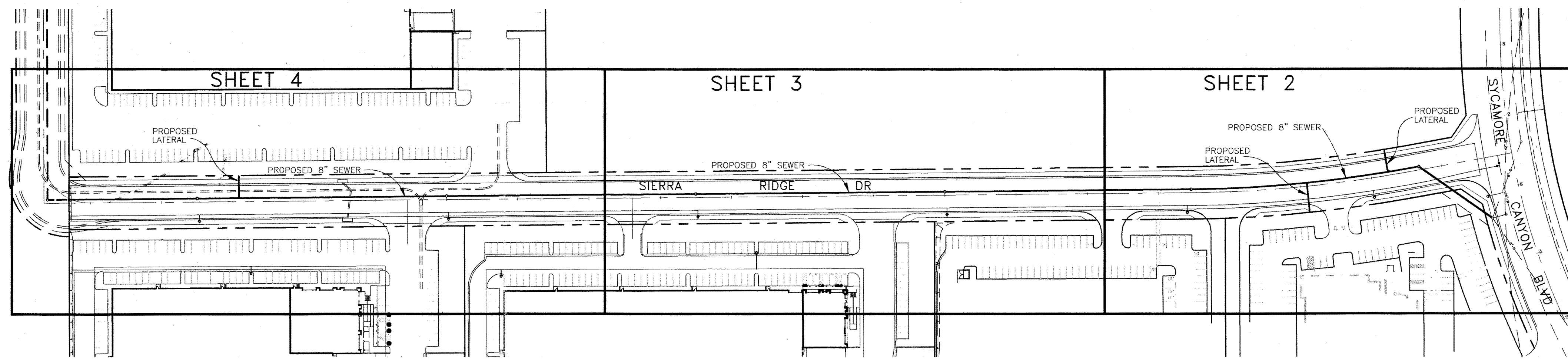
- ① INSTALL 8" VCP SEWER LINE, BEDDING PER CASE 1, STD. DWG. 452
- ② INSTALL MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500
- ③ INSTALL 4" SEWER LATERAL PER CITY OF RIVERSIDE STD. DWG. 562
- ④ JOIN EXISTING MANHOLE AND RE-CONTOUR BOTTOM FOR NEW FLOW
- ⑤ INSTALL CLEANOUT PER CITY OF RIVERSIDE STD. DWG. 560
- ⑥ INSTALL 6" SEWER LATERAL PER CITY OF RIVERSIDE STD. DWG. 562

QUANTITIES

2048 LF
6 EA
74 LF
1 EA
1 EA
32 LF



LOCATION MAP
N.T.S.



SHEET INDEX MAP
N.T.S.

INDEX OF SHEETS

SHEET 1	TITLE SHEET
SHEET 2	SIERRA RIDGE PLAN & PROFILE
SHEET 3	SIERRA RIDGE PLAN & PROFILE
SHEET 4	SIERRA RIDGE PLAN & PROFILE

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.

CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE No.60137 EXP. DATE 5-2-07



REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT
for Non-Interference Compliance

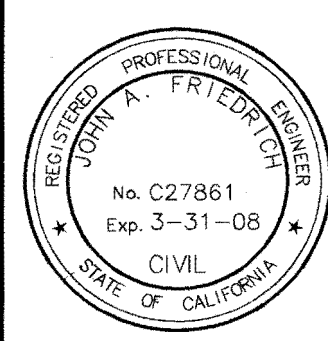
SHEET 1 THROUGH 4

DATE: 10-9-06

BENCH MARK: CITY OF RIVERSIDE B.M. L1-A3

PK NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET LIGHT POLE ALONG THE NORTHERLY CURB OF EASTRIDGE AVE., 82 FEET WESTERLY OF BOX SPRINGS BLVD. ADJUSTED AND ENTERED MAY 1997

ELEV. = 1534.311



PREPARED BY:
GFB-FRIEDRICH & ASSOC., INC.
CONSULTING CIVIL ENGINEERS
6529 RIVERSIDE AVENUE, STE. 230
RIVERSIDE, CA 92506
DATE: 9-11-06

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

CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature] DATE: 10/16/06
PRINCIPAL ENGR. [Signature] CITY ENGINEER

SEWER PLAN
PARCEL MAP 33246
TITLE SHEET
SIERRA RIDGE DRIVE
STA. 9+03.81 TO 29+53.02
SCALE: N.T.S.

PW06-0522
PROJECT NO.
S-1978
SHEET 1 of 4
FILE NO.:

1530

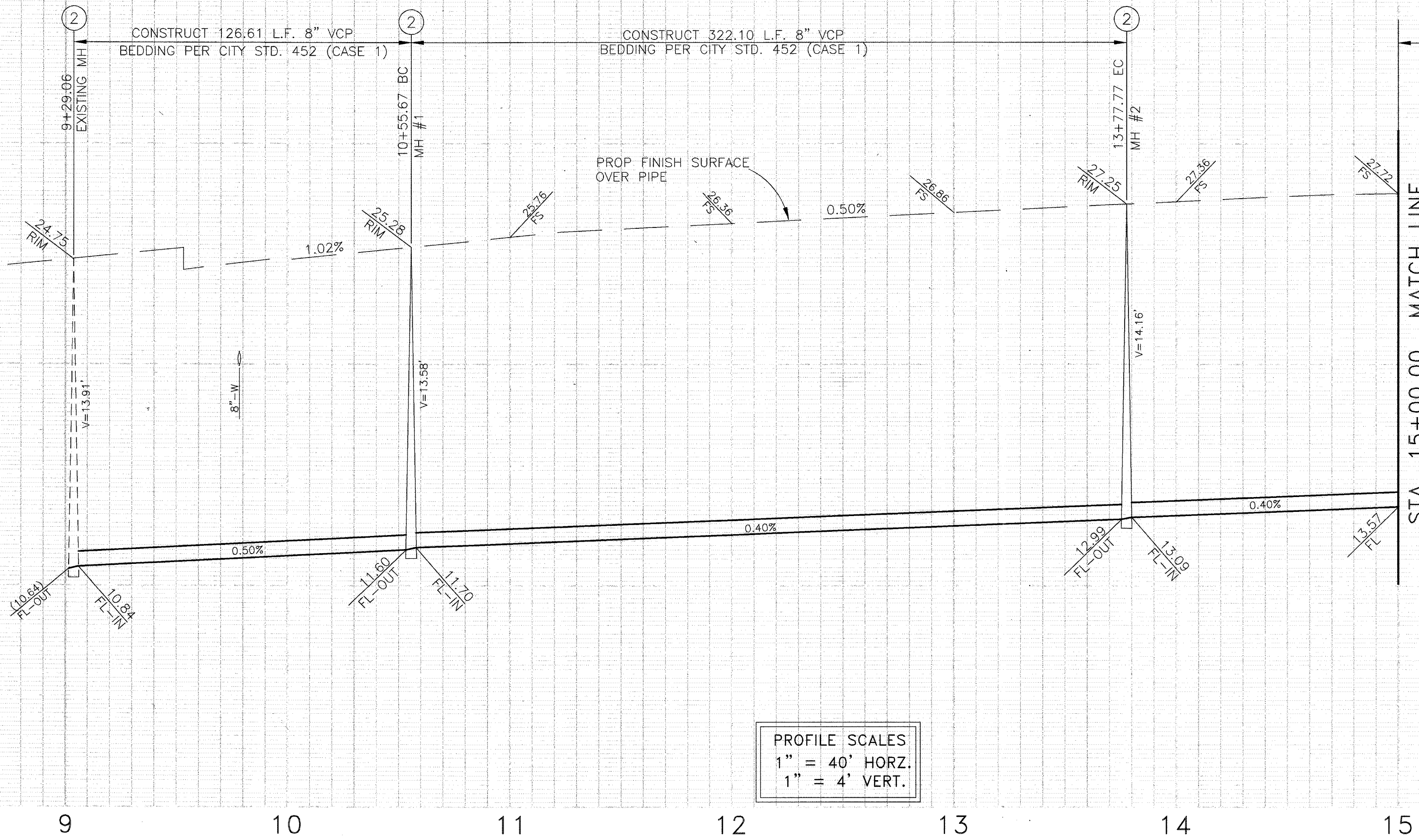
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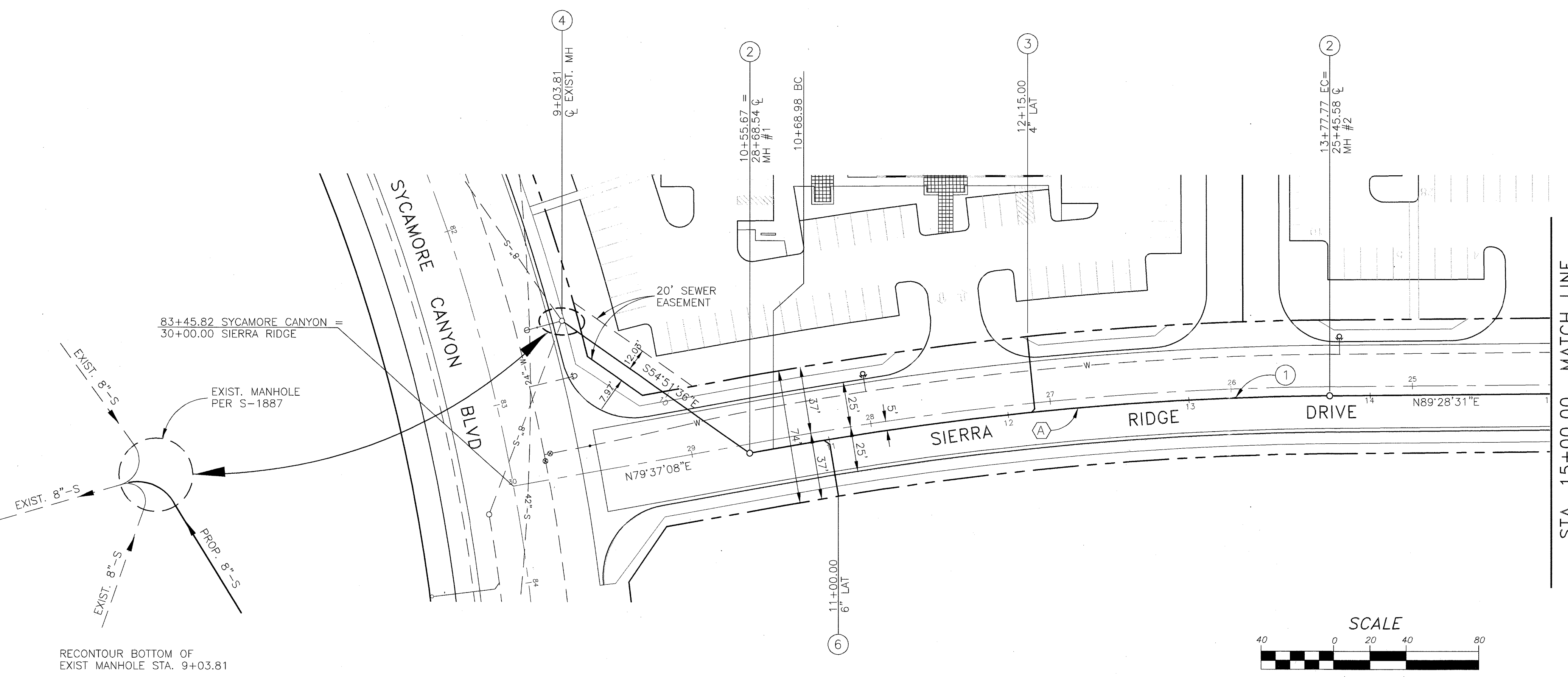
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PROFILE SCALES
 1" = 40' HORZ.
 1" = 4' VERT.

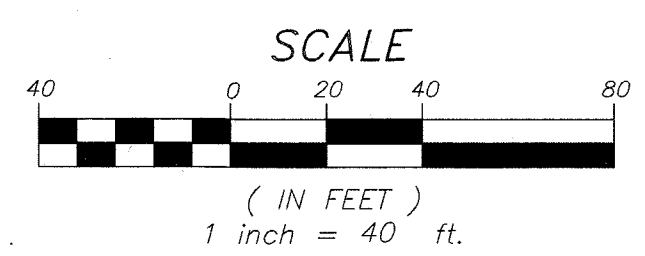
STA. 15+00.00 MATCH LINE
 SEE SHEET 3



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
- ③ INSTALL 4" VCP SEWER LATERAL PER CITY OF RIVERSIDE STD. DWG. 562
- ④ JOIN EXISTING MANHOLE AND RE-CONTOUR BOTTOM FOR NEW FLOW
- ⑥ INSTALL 6" VCP SEWER LATERAL PER CITY OF RIVERSIDE STD. DWG. 562

CURVE DATA			
Δ	R	L	T
(A) 09°51'23"	1795'	308.79'	154.78'



CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE No.60137 EXP. DATE 5-2-07



REVIEWED BY:
 WESTERN MUNICIPAL WATER DISTRICT
 for Non-Interference Compliance
 SHEET 1 THROUGH 4
 CIVIL ENGINEER
 DATE: 10-9-06

BENCH MARK: CITY OF RIVERSIDE B.M. L1-A3
 PK NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET LIGHT POLE ALONG THE NORTHERLY CURB OF EASTRIDGE AVE., 82 FEET WESTERLY OF BOX SPRINGS BLVD. ADJUSTED AND ENTERED MAY 1997
 ELEV. = 1534.311



PREPARED BY:
GFB-FRIEDRICH & ASSOC., INC.
 CONSULTING CIVIL ENGINEERS
 6529 RIVERSIDE AVENUE, STE. 230
 RIVERSIDE, CA 92506
 JOHN A. FRIEDRICH R.C.E. 27861 EXP 3-31-08

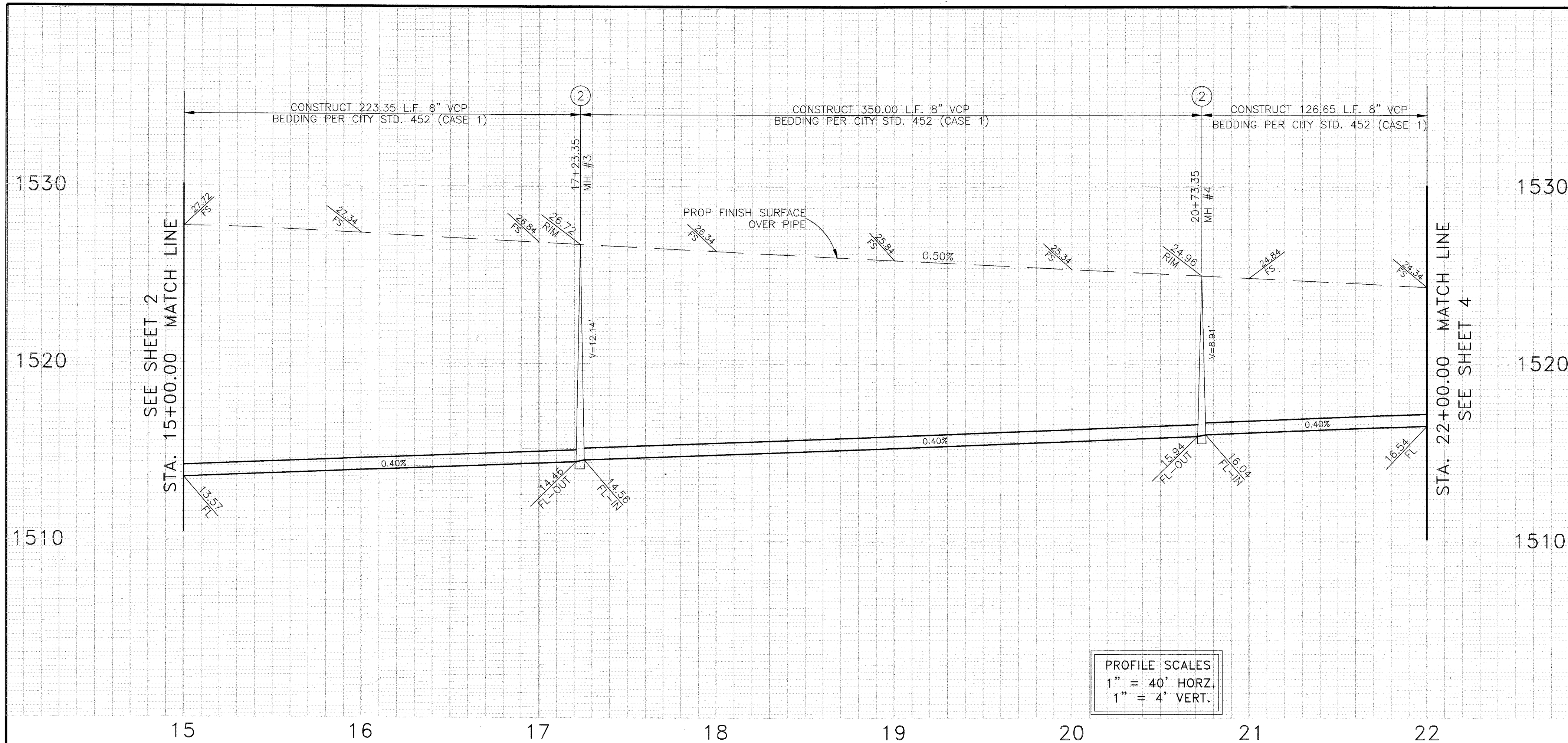
MARK	REVISIONS	APPR.	DATE

DESIGNED BY: GRW DRAWN BY: GRW CHECKED BY: JAF

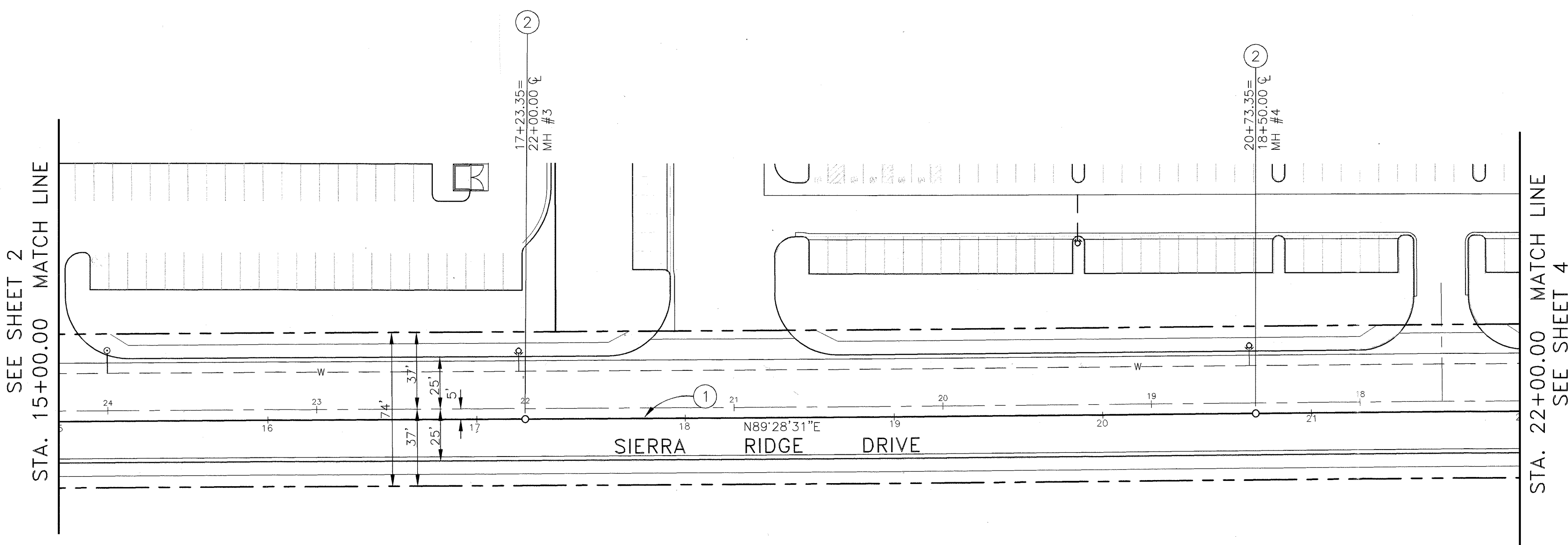
CITY OF RIVERSIDE
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature]
 PRINCIPAL ENGR.
 APPROVED BY: [Signature]
 CITY ENGINEER
 DATE: 10/13/06

SEWER PLAN
 PARCEL MAP 33246
SIERRA RIDGE DRIVE
 STA. 9+03.81 TO 15+00.00
 SCALE: HORIZ: 1"=40' VERT: 1"=4'

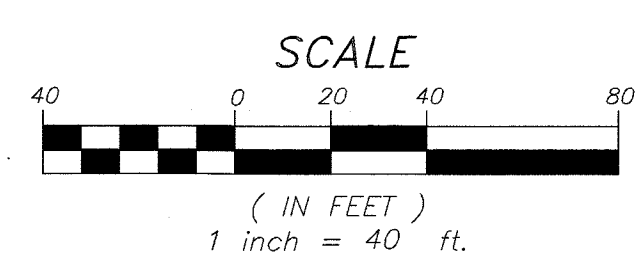
PW06-0522
 PROJECT NO.
S-1978
 SHEET 2 OF 4
 FILE NO.:



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



- CONSTRUCTION NOTES**
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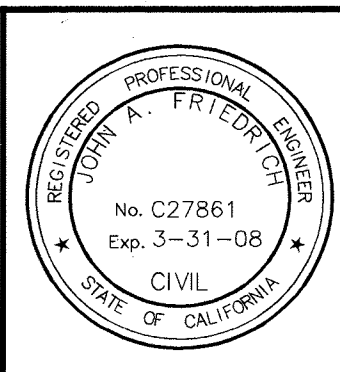


CITY OF RIVERSIDE BUSINESS TAX CERTIFICATE No.60137 EXP. DATE 5-2-07



REVIEWED BY:
 WESTERN MUNICIPAL WATER DISTRICT
 for Non-interference Compliance
 SHEET 1 THROUGH 4
 CIVIL ENGINEER
 DATE: 10-9-06

BENCH MARK: CITY OF RIVERSIDE B.M. L1-A3
 PK NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET LIGHT POLE ALONG THE NORTHERLY CURB OF EASTRIDGE AVE., 82 FEET WESTERLY OF BOX SPRINGS BLVD. ADJUSTED AND ENTERED MAY 1997
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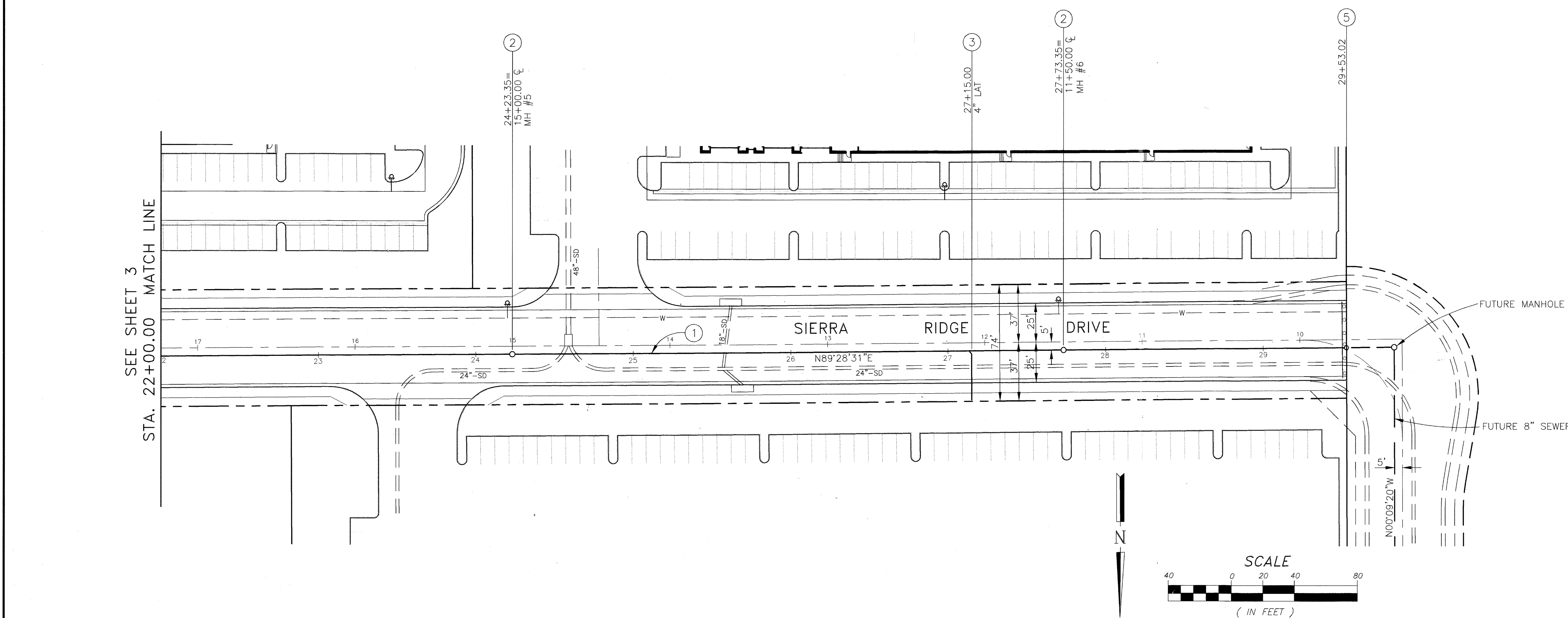
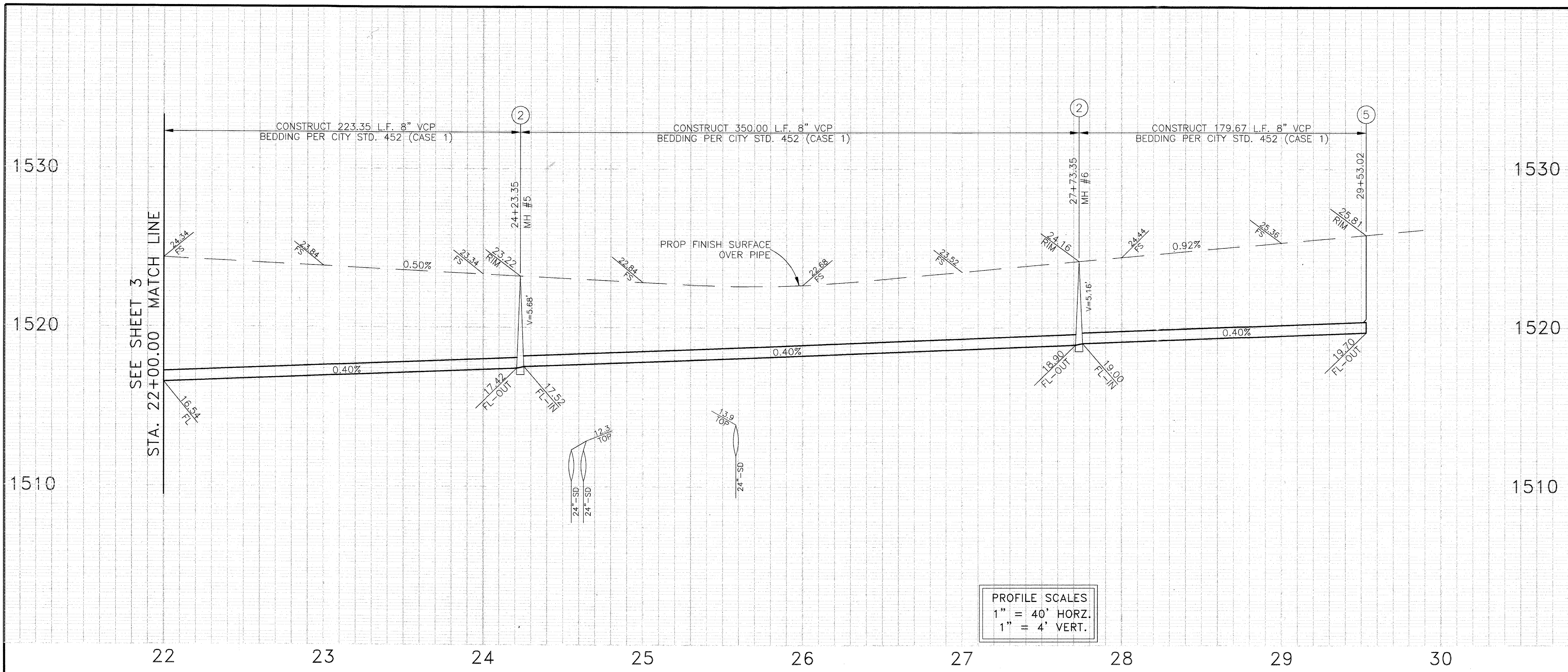
PREPARED BY:
GFB-FRIEDRICH & ASSOC., INC.
 CONSULTING CIVIL ENGINEERS
 6529 RIVERSIDE AVENUE, STE. 230
 RIVERSIDE, CA 92506
 DATE: 9-11-06

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

CITY OF RIVERSIDE
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature]
 PRINCIPAL ENGR. DATE: 10/12/06
 CITY ENGINEER
 DATE: 10/12/06

SEWER PLAN
 PARCEL MAP 33246
SIERRA RIDGE DRIVE
 STA. 15+00.00 TO 22+00.00
 SCALE: HORIZ: 1"=40' VERT: 1"=4'

PW06-0522
 PROJECT NO.
S-1978
 SHEET 3 OF 4
 FILE NO.:



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 - ⑤ INSTALL CLEANOUT PER CITY OF RIVERSIDE STD. DWG. 560

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

REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT
for Non-Interference Compliance

SHEET 1 THROUGH 4

DATE: 10-9-06

BENCH MARK: CITY OF RIVERSIDE B.M. L1-3

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CITY ENGINEER

DATE: 10/12/06

SEWER PLAN

PARCEL MAP 33246
SIERRA RIDGE DRIVE
STA. 22+00.00 TO 29+53.02

SCALE: HORIZ: 1"=40' VERT: 1"=4'

PW06-0522
PROJECT NO.
S-1978
SHEET 4 OF 4
FILE NO.