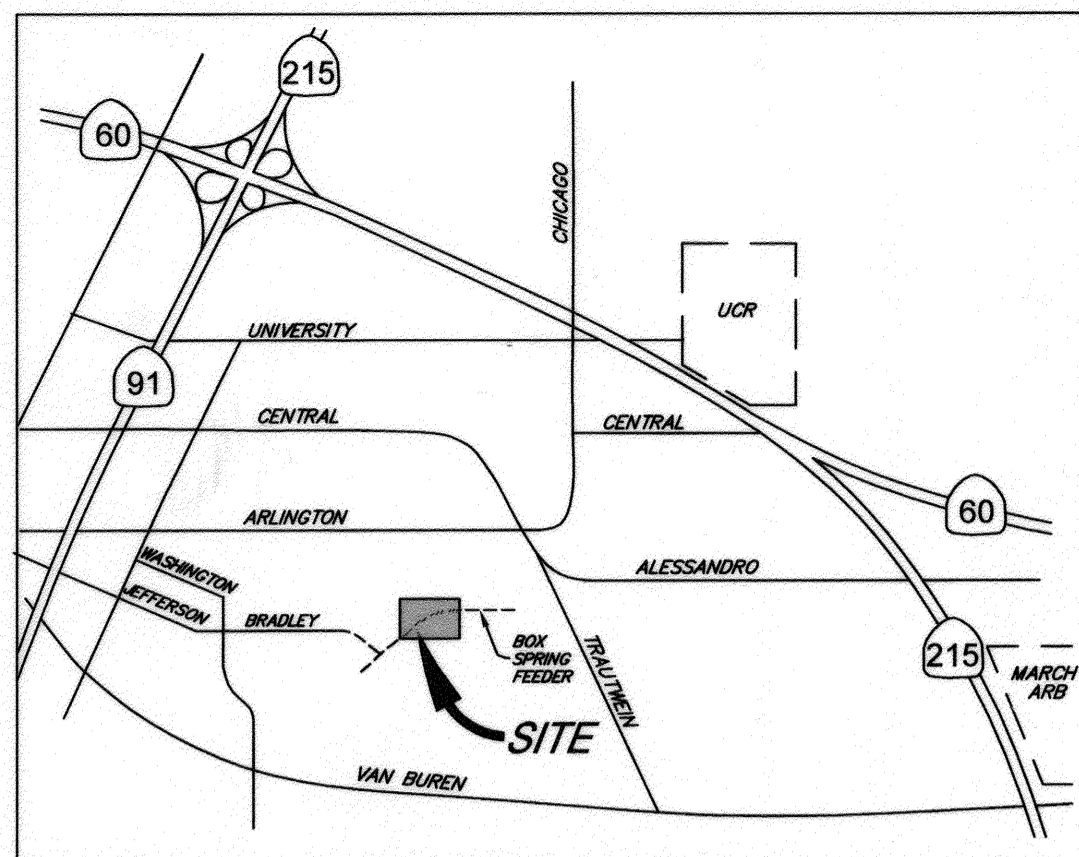


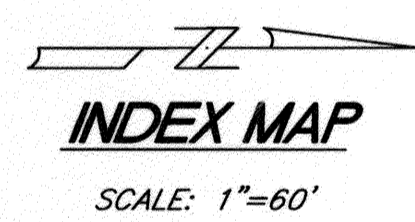
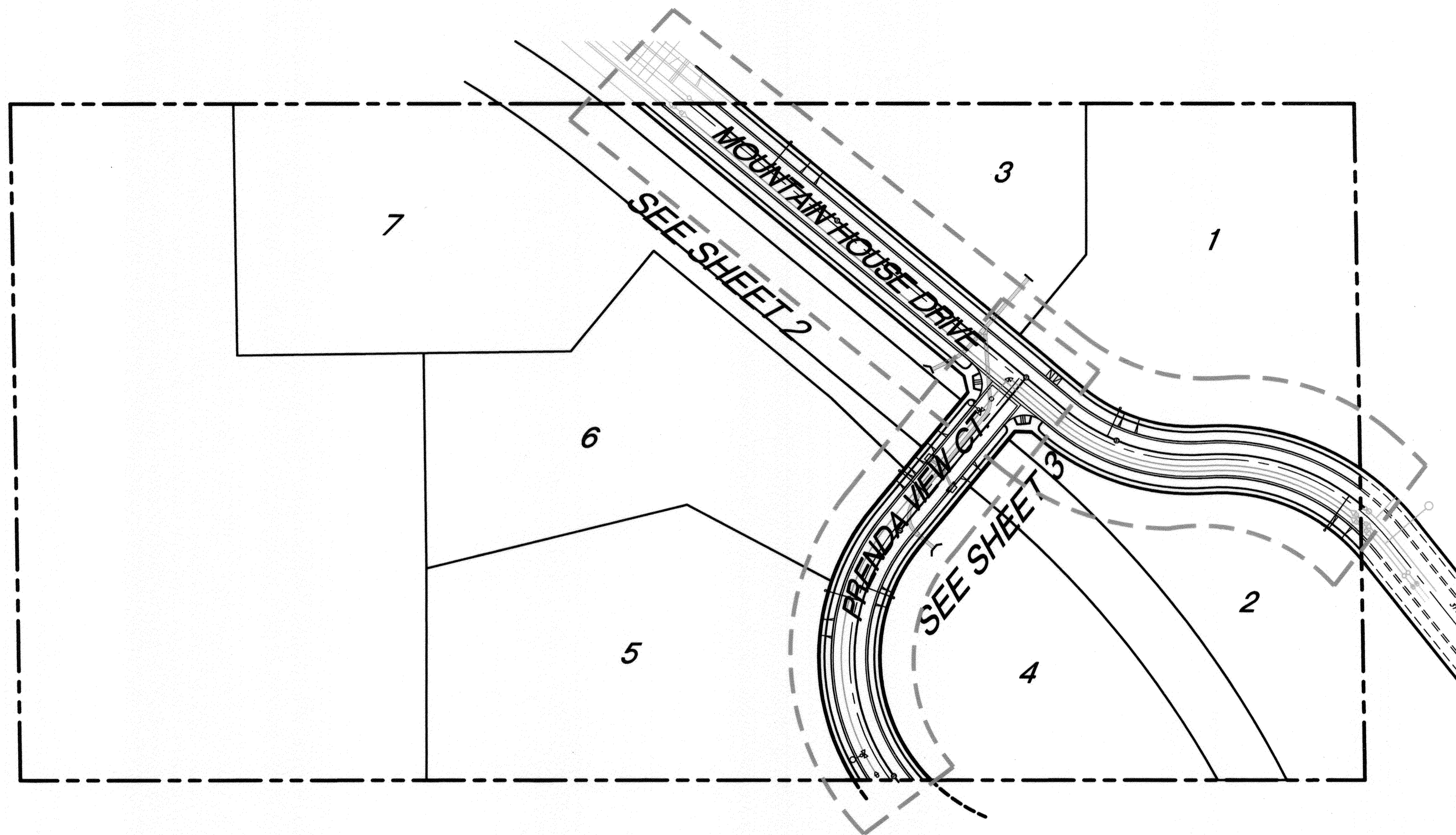
TRACT 31799 SEWER IMPROVEMENT PLAN



VICINITY MAP
NO SCALE

GENERAL NOTES

1. 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.
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, STANDARDS DRAWINGS, ITS SUPPLEMENTAL NOTES, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
4. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
5. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATIONS PRIOR TO CONSTRUCTION.
6. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
7. NO FINISH FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
8. 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 OF RIVERSIDE.
9. ALL MANHOLES TO BE CITY OF RIVERSIDE STANDARD NO. 500.
10. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
11. 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 USA.
12. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION HEREON.
13. 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 OR ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
14. QUANTITIES SHOWN ARE FOR INFORMATION ONLY THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
15. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL POT-HOLE ALL UTILITY CROSSINGS AND CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES AFFECTED. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BEFORE CONSTRUCTION BEGINS.
16. NO PERSONS SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-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.
17. PIPES JOINTS FOR VITRIFIED CLAY PIPE SHALL BE TYPE "G" AS SPECIFIED IN SECTION 208-2.3 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS PROJECTS. IF PLASTIC PIPE IS ALLOWED AS AN ALTERNATIVE, ALL PIPE JOINTS SHALL BE GASKETED. CEMENTED JOINTS SHALL NOT BE ALLOWED.
18. THE DEVELOPER IS RESPONSIBLE FOR PERFORMING A VIDEO INSPECTION OF THE NEW SEWER MAIN PRIOR TO FINAL ACCEPTANCE OF THE WORK. THE VIDEO INSPECTION MUST BE PERFORMED IN THE PRESENCE OF THE PUBLIC WORKS INSPECTOR. A RECORDING OF THE VIDEO INSPECTION MUST BE SUBMITTED TO THE CITY FOR REVIEW AND ACCEPTANCE.



NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE 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 AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

CALL UNDERGROUND SERVICE ALERT (USA) 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO EXCAVATION.

THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GOVERNING AGENCIES IN DETERMINING BOND AMOUNTS AND/OR FEES AND IS NOT TO BE USED FOR BID PURPOSES.

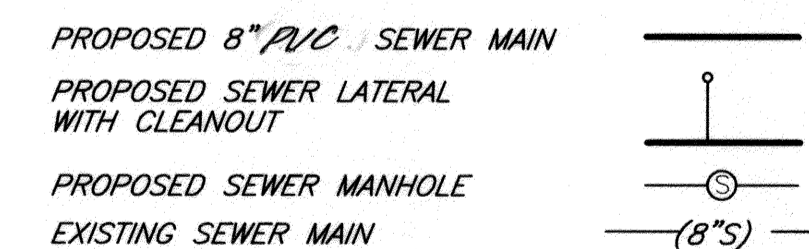
NOTIFY DAFFEY IVerson OR MIKE RUBIO OF METROPOLITAN WATER DISTRICTS WATER SYSTEM OPERATIONS GROUP AT (951) 776-2675 AT LEAST TWO WORKING DAYS (MONDAY-THURSDAY) PRIOR TO STARTING WORK IN THE VICINITY OF M.W.D. FACILITIES.

CONSTRUCTION NOTES

- 1 CONSTRUCT 8" PVC SEWER MAIN PER (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 453) 1195.80 LF
- 2 CONSTRUCT SEWER MANHOLE PER RV. CITY STD. 500 5 EA
- 3 CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT @ P.L. PER CITY OF RIVERSIDE STD. 562 189 LF / 6 EA
- 4 CONSTRUCT 8" SEWER END PLUG 1 EA
- 5 INSTALL STREET NAME SIGNS PER RV. CITY STD. 662
- 6 INSTALL 12" WHITE AND STOP LEGEND

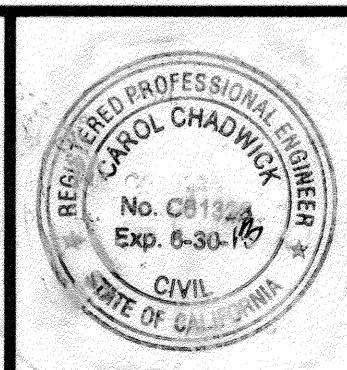
QUANTITIES

LEGEND



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 THE 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.



PUBLIC UTILITIES - WATER

APPROVED: *Carol Chadwick* DATE: 7/27/2012

PLANS PREPARED UNDER SUPERVISION OF: *Carol Chadwick* DATE: 6/12/13

BENCHMARK: F7-K3
CITY OF RIVERSIDE REFERENCE LL477, PK NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET LIGHT ALONG THE SOUTHERLY CURB OF OVERLOOK PARKWAY 175 FEET EAST OF CHATEAU RIDGE DRIVE. TRANSFER FROM F7-C2 BY CITY SURVEY CREW 6/10/2002. ELEVATION: 1426.960

SDH ASSOCIATES INCORPORATED

SDH AND ASSOCIATES INC.
5225 CANYON CREST DRIVE 71439
Riverside, California 92507
TEL: (951) 683-3691 FAX (951) 788-2314

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: S.S. DRAWN BY: S.J.S. CHECKED BY: B.G.E.

BUSINESS TAX CERTIFICATE NO. 107994 EXP. DATE 6-13-13

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 6/28/2013

PRINCIPAL ENGINEER: *[Signature]*

CITY ENGINEER: *[Signature]*

TRACT 31799
SEWER IMPROVEMENT PLAN

S-1980

SHEET 1 OF 3

PW06-0592

PROFILE SCALE
 HORIZ. 1" = 40 FT.
 VERT. 1" = 8 FT.

1450

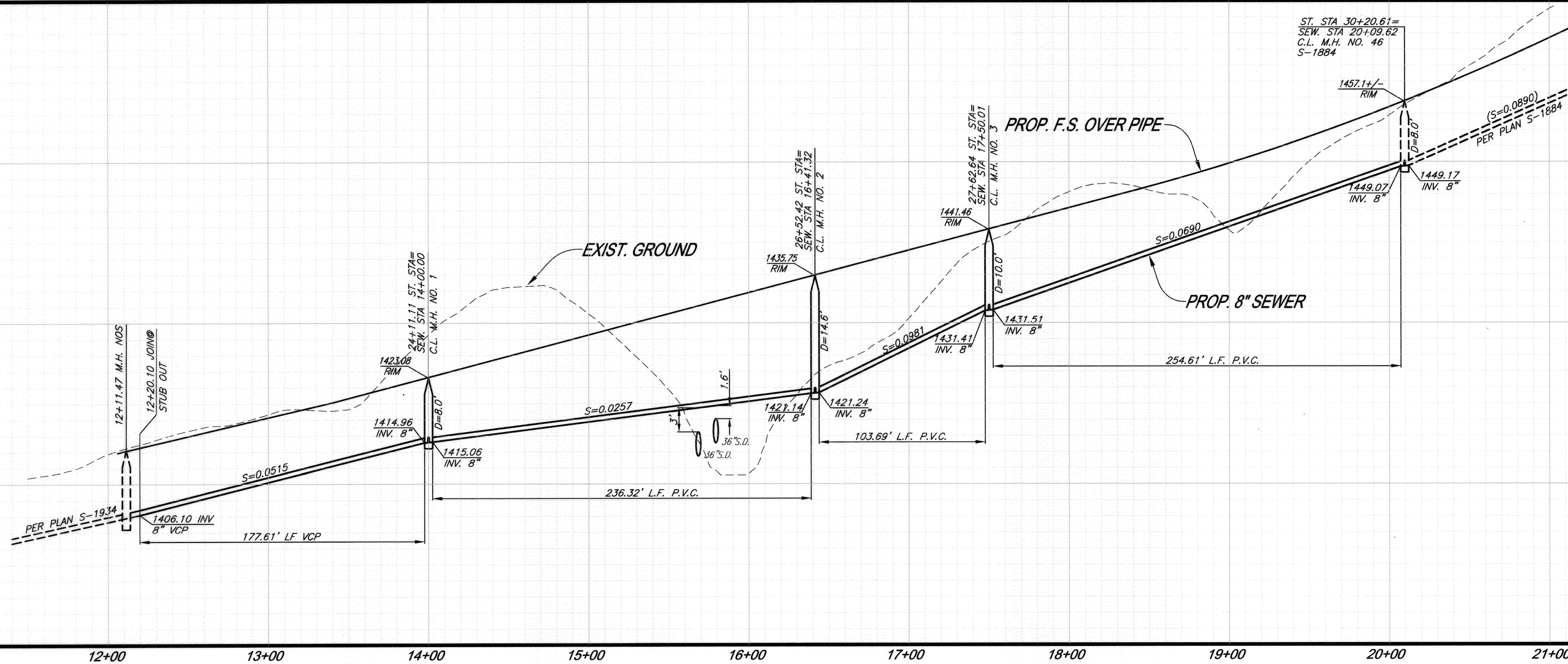
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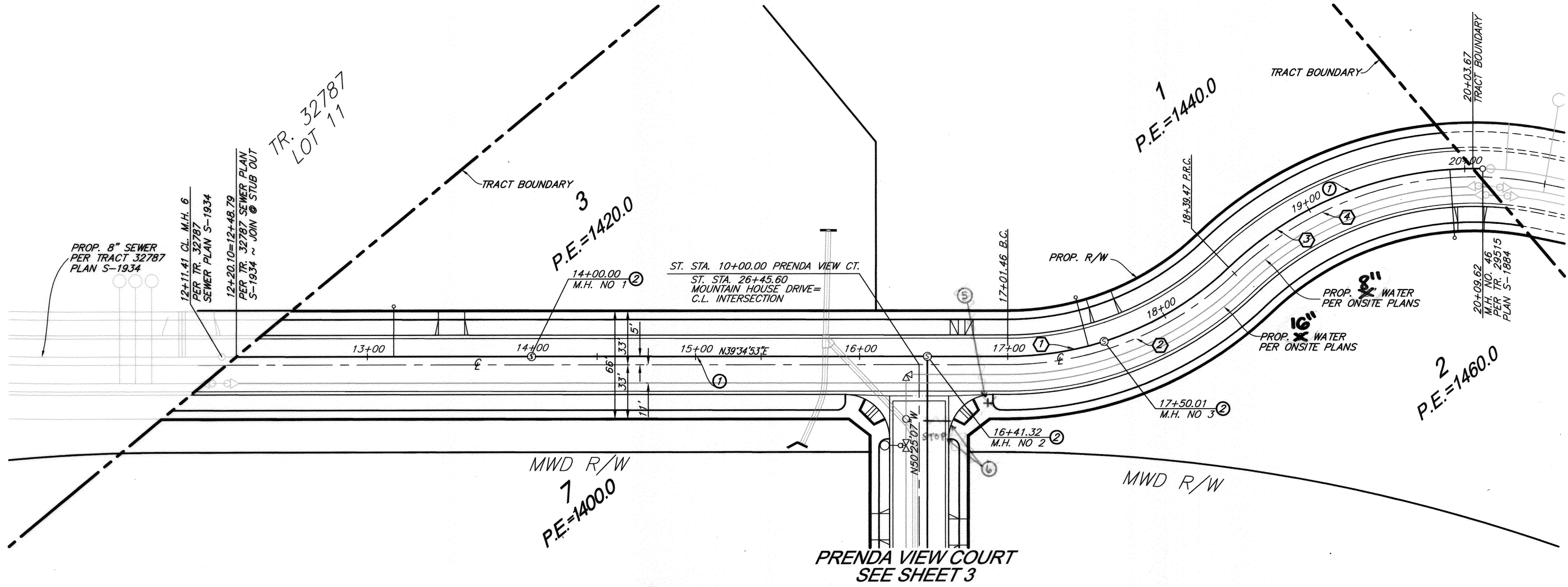
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12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00

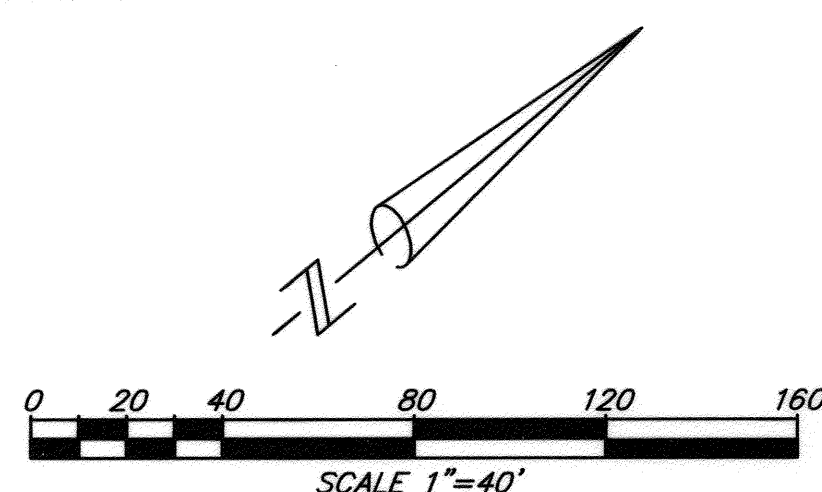


CONSTRUCTION NOTES

- 1 CONSTRUCT 8" PVC SEWER MAIN PER (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 453)
- 2 CONSTRUCT SEWER MANHOLE PER RIV. CITY STD. 500
- 3 CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT @ P.L. PER CITY OF RIVERSIDE STD. 562A
- 4 INSTALL STREET NAME SIGNS PER RIV. CITY STD. 662
- 5 INSTALL 12" WHITE AND STOL LEGEND

CURVE DATA

DELTA	RADIUS	LENGTH	TANGENT
① 43°42'27"	195.00'	148.75'	78.21'
② 43°42'27"	200.00'	152.57'	80.21'
③ 45°01'21"	217.00'	170.52'	89.93'
④ 55°20'57"	212.00'	204.80'	111.18'



NOTICE TO CONTRACTOR:

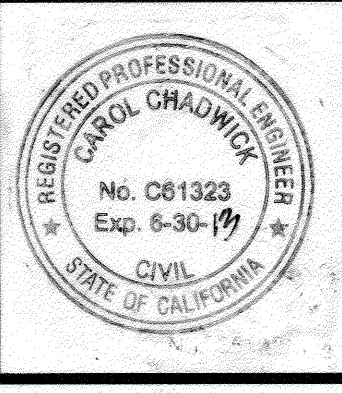
1. NOTIFY DAFFNEY IVERSON OR MIKE RUBIO OF METROPOLITAN WATER DISTRICTS WATER SYSTEM OPERATIONS GROUP AT (951) 776-2675 AT LEAST TWO WORKING DAYS (MONDAY-THURSDAY) PRIOR TO STARTING WORK IN THE VICINITY OF M.W.D. FACILITIES.

PUBLIC UTILITIES - WATER
 APPROVED: *Matthew CRT* 8/23/2012
 DATE

MOUNTAIN HOUSE DRIVE
 STA. 12+48.79 TO STA. 20+09.62

Underground Service Alert
 CALL BEFORE YOU DIG
 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 THE 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.



PLANS PREPARED UNDER SUPERVISION OF
 CAROL CHADWICK
 P.E. 01323
 EXP. 6-30-19
 BENCHMARK: F7-K3
 CITY OF RIVERSIDE REFERENCE LL47/7, PK MAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET LIGHT ALONG THE SOUTHERLY CURB OF OVERLOOK PARKWAY 175 FEET EAST OF CHATEAU RIDGE DRIVE, TRANSFER FROM F7-C2 BY CITY SURVEY CREW 6/10/2002. ELEVATION: 1426.900

SDH ASSOCIATES INCORPORATED
 SDH AND ASSOCIATES INC.
 5225 CANYON CREST DRIVE 71439
 Riverside, California 92507
 TEL: (951) 683-3691 FAX (951) 788-2314

MARK	REVISIONS	APPR.	DATE

DESIGNED BY S.S. DRAWN BY S.J.S. CHECKED BY B.G.E.

**CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT**

APPROVED BY	BY	DATE	APPROVED BY

PRINCIPAL ENGINEER: *Matthew CRT*
 CITY ENGINEER: *Shirley B...*
 DATE: 6/28/2013

**TRACT 31799
 SEWER IMPROVEMENT PLAN**
 MOUNTAIN HOUSE DRIVE
 STA. 12+48.79 TO STA. 20+09.62

JOB NO. 0318
S-1980
 SHEET 2 OF 3

PROFILE SCALE
 HORIZ. 1" = 40 FT.
 VERT. 1" = 8 FT.

1470

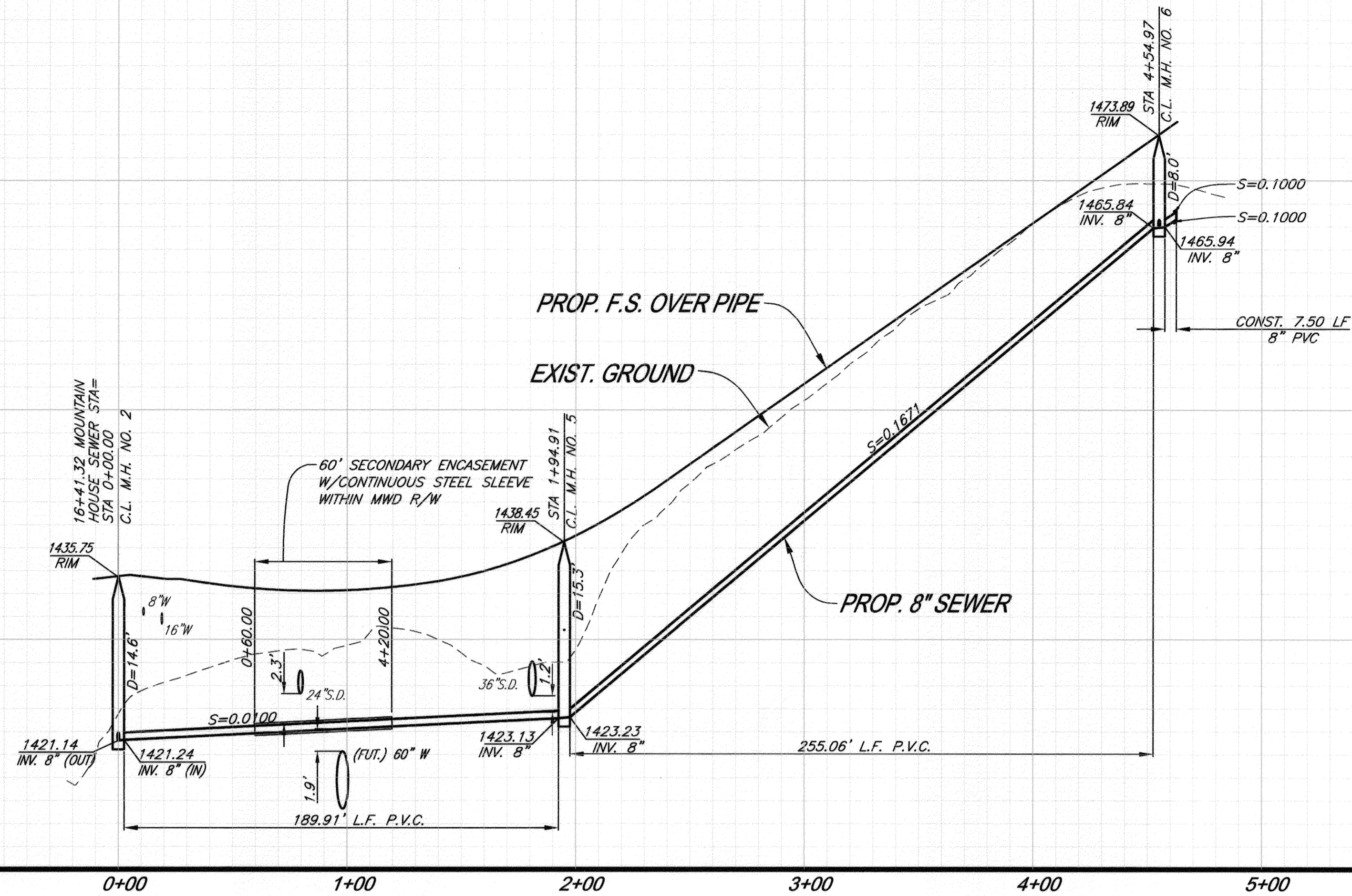
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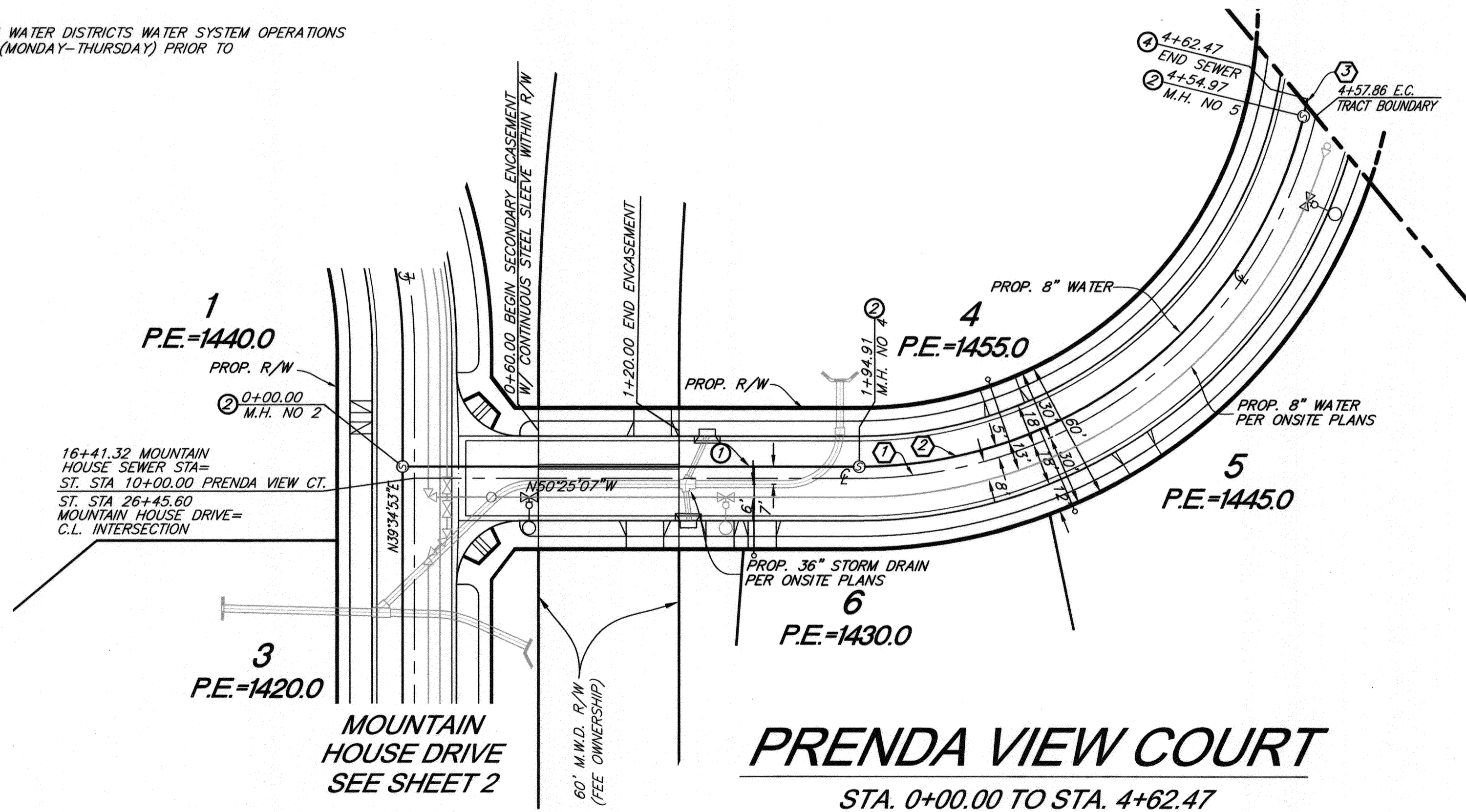
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1430



NOTICE TO CONTRACTOR:

1. NOTIFY DAFFNEY IVERSON OR MIKE RUBIO OF METROPOLITAN WATER DISTRICTS WATER SYSTEM OPERATIONS GROUP AT (951) 776-2675 AT LEAST TWO WORKING DAYS (MONDAY-THURSDAY) PRIOR TO STARTING WORK IN THE VICINITY OF M.W.D. FACILITIES.



CONSTRUCTION NOTES

- ① CONSTRUCT 8" PVC SEWER MAIN PER (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 453)
- ② CONSTRUCT SEWER MANHOLE PER RIV. CITY STD. 500
- ③ CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT @ P.L. PER CITY OF RIVERSIDE STD. 562A
- ④ CONSTRUCT 8" SEWER END PLUG

CURVE DATA

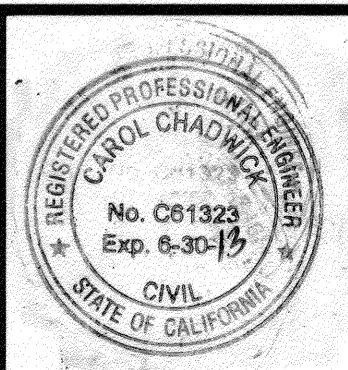
	DELTA	RADIUS	LENGTH	TANGENT
①	76°45'35"	200.00'	267.94'	158.40'
②	75°00'32"	195.00'	255.28'	149.65'
③	128°09"	195.00'	5.00'	2.50'

Underground Service Alert

CALL BEFORE YOU DIG
 CALL-TOLL FREE
 1-800
 227-2600
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

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PUBLIC UTILITIES - WATER

APPROVED: *[Signature]* DATE: 6/27/2013

PLANS PREPARED UNDER SUPERVISION OF

DATE: 6/12/13
 CAROL CHADWICK
 RCE #1323
 EXP. 8-30-13

BENCHMARK: F7-K3
 CITY OF RIVERSIDE REFERENCE LL47/77, PK MAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET LIGHT ALONG THE SOUTHERLY CURB OF OVERLOOK PARKWAY 175 FEET EAST OF CHATEAU RIDGE DRIVE, TRANSFER FROM F7-C2 BY CITY SURVEY CREW 6/10/2002. ELEVATION: 1426.960



SDH AND ASSOCIATES INC.
 5225 CANYON CREST DRIVE 71439
 Riverside, California 92507
 TEL: (951) 683-3691 FAX (951) 788-2314

MARK: _____ REVISIONS: _____ APPR. DATE: _____
 DESIGNED BY: S.S. DRAWN BY: S.J.S. CHECKED BY: B.G.E.

**CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT**

APPROVED BY: _____ BY DATE: _____
 PRINCIPAL ENGINEER: _____
 CITY ENGINEER: *[Signature]*
 DATE: 6/28/2013

**TRACT 31799
 SEWER IMPROVEMENT PLAN**
 PRENDA VIEW COURT
 STA. 0+00.00 TO STA. 4+62.47

JOB NO. 0318

S-1980

SHEET 3 OF 3