

**GENERAL NOTES**

- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS OF THE COUNTY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE COUNTY'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 COUNTY.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COUNTY 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 COUNTY.
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE COUNTY 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.
- ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE COUNTY INSPECTORS.
- 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.
- NO FINISHED 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.
- 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 COUNTY.
- THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.

**NOTICE TO CONTRACTOR**

ACCORDING TO THE INFORMATION PROVIDED BY UNDERGROUND SERVICE ALERT (U.S.A.) DATED FEBRUARY 18, 1999, THE FOLLOWING ORGANIZATIONS ARE U.S.A. MEMBERS WITHIN THE PROJECT AREA:

ADELPHIA  
PACIFIC BELL  
RIVERSIDE HIGHLAND WATER COMPANY  
D.W.R.  
THE GAS COMPANY  
SOUTHERN CALIFORNIA EDISON

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY -

NO SERVICE LATERALS, WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBERS AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES SHOWN ON THESE PLANS AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON 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.

**UNDERGROUND STRUCTURES**

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORD EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD UNDERWRITERS HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

**BENCHMARK NOTE:**

PLANS PREPARED WITH NAVD 88 DATUM. CITY OF RIVERSIDE NGVD 29 RECORD DATUM IS INCLUDED FOR REFERENCE, AS FOLLOWS: ELEVATION PER PLAN (NGVD 29 ELEVATION) NOTE THAT CONTOURS AND AERIAL TOPOGRAPHY ARE IN NAVD 88.

REFER TO THE FOLLOWING FOR BENCHMARK CONVERSION:  
BENCHMARK DATUM: NAVD 88  
BENCHMARK: CITY OF RIVERSIDE B.M. J8-D3  
ELEVATION: 918.908 (NGVD 29) PUBLISHED / 921.398 ADJUSTED TO NAVD 88 [ADD 2.49 FEET PER NGS VERTCON PROGRAM = 921.398 NAVD 88]  
DESCRIPTION: LEAD & TACK IN TOP OF CURB 3.5 FEET N/O B.C.R. OF NW CURB RETURN AT PALMYRITA AVE. & IOWA AVE.



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR. DATE	COUNTY
6/07	DL	DL	REVISIONS FOR LOWERING FORCE MAINS, Raising LINE B + LINE B PARK PROFILE	6/27/07	SEAL-COUNTY
7/07	DL	DL	REVISED SEWER AND ADDED NB 352 TO PROFILE	7/16/07	
1/15	RBF	DL	REVISED FORCE MAIN, ADD SEWER AIR RELEASE VALVE PIPING AND DETAILS	1/22/08	

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA  
**C.F.D. #23 SEWER IMPROVEMENT PLANS**  
**TRACT NO. 29597 & 29741**  
**SPRING MOUNTAIN RANCH BACKBONE SEWER SYSTEM**

**NOTE:**

CSA 152C SANITARY SERVICE IN THE HIGHGROVE COMMUNITY FOR SPRING MOUNTAIN RANCH PROJECT PROVIDED PER THE WASTEWATER TREATMENT AGREEMENT, OPERATION AND MAINTENANCE AGREEMENT AND PRETREATMENT PROGRAM AGREEMENT BETWEEN THE COUNTY OF RIVERSIDE AND THE CITY OF RIVERSIDE. REFERENCE AGENDA ITEM NO. 3.47 OF THE COUNTY OF RIVERSIDE ECONOMIC DEVELOPMENT AGENCY, DATED MAY 4, 2004.

SEWER FACILITIES SHOWN ON THESE PLANS ARE OUTSIDE OF THE CITY OF RIVERSIDE LIMITS. THE CITY OF RIVERSIDE HAS ENTERED INTO AN AGREEMENT WITH THE COUNTY OF RIVERSIDE TO MAINTAIN AND OPERATE THESE FACILITIES (SEE ABOVE). ALL DESIGN AND CONSTRUCTION FOR THESE FACILITIES SHALL MEET OR EXCEED CITY OF RIVERSIDE STANDARDS AND SPECIFICATIONS.

ALL MATERIALS USED AND INSTALLATION SHALL CONFORM TO RIVERSIDE COUNTY STANDARDS AND SPECIFICATIONS ORDINANCE 461.

SEPARATION REQUIREMENTS BETWEEN SEWER AND WATER LINES SHALL CONFORM TO STATE HEALTH CODE STANDARDS.

SEWER LATERALS SHALL BE INSTALLED ACCORDING TO COUNTY STANDARDS NO. 600 AND 601 OR PER SERVING AGENCY.

**SOURCE OF TOPOGRAPHY**

TOPOGRAPHY SHOWN ON THESE PLANS WAS GENERATED BY PHOTOGRAMMETRIC METHODS FROM INFORMATION GATHERED IN DECEMBER OF 2003, BY INLAND AERIAL SURVEYS, INC. TOPOGRAPHY SHOWN HEREON CONFORMS TO NATIONAL MAP ACCURACY STANDARDS.

**LEGAL DESCRIPTION**

BEING A DIVISION OF PORTIONS OF SECTIONS 8, 9, AND 10, TOWNSHIP 2S, RANGE 4W, SAN BERNARDINO MERIDIAN.

**ASSESSOR'S PARCEL NO.**

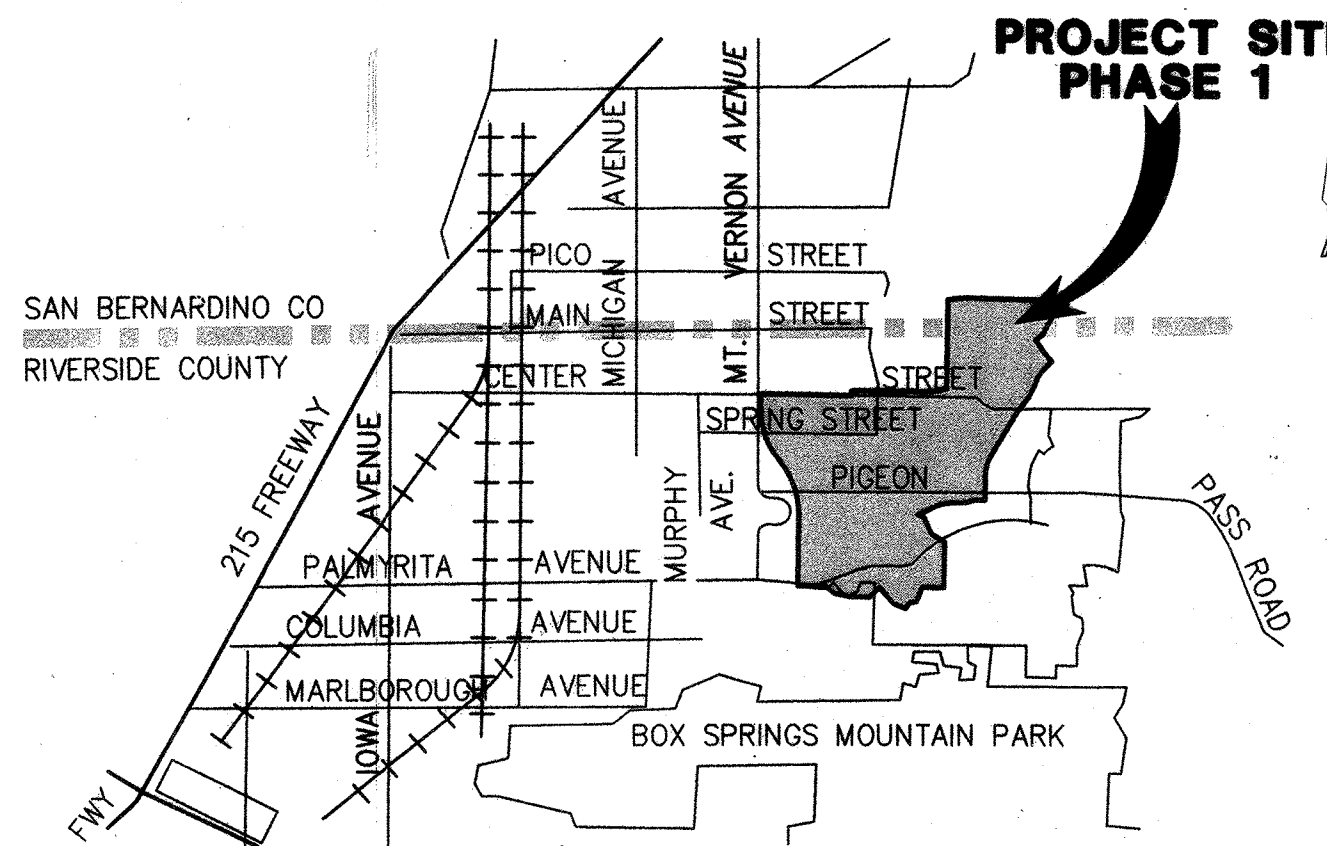
255-210-010-0, 255-170-010-7, 255-190-004-4,  
255-180-014-2, 255-210-011-1, 255-190-005-5,  
255-190-007-7, 255-180-010-8, 255-180-012-0,  
255-180-016-4, 255-220-007-9, 255-240-008-2,  
255-240-009-3, 255-230-003-6, 255-230-009-2,  
255-240-010-3, 255-200-012-1, 255-200-009-9,  
255-200-010-9, 257-180-008-1, 257-170-007-9,  
255-210-012-2, 255-230-011-3, 255-230-001-4,  
255-200-002-2, 255-200-003-3, 255-140-019-3,  
257-100-011-5, 255-200-011-0, 255-200-014-3,  
255-200-002-2, 255-200-013-2, 255-120-011-3,  
257-180-009-2, 255-210-010-0, 255-210-011-1,  
257-120-003-0, 255-200-016-5, 255-200-017-6,  
255-210-011-1

**UTILITY CONTACTS**

WATER: RIVERSIDE HIGHLAND WATER COMPANY 909-825-4128  
SEWER: CITY OF RIVERSIDE 951-826-5341  
CSA 152 SEE COUNTY  
ELECTRIC: SOUTHERN CALIFORNIA EDISON COMPANY, BOB SIEGAL 909-307-6770  
TRANSMISSION, JEANNETTE RIVERA 909-930-8580  
GAS: SOUTHERN CALIFORNIA GAS COMPANY, HECTOR MARTINEZ 909-335-7674  
TELEPHONE: PACIFIC BELL/SBC, LEE CORBY 714-866-5454  
CABLE TV: ADELPHIA COMMUNICATIONS, MIKE McMillan 909-975-3402  
DEPARTMENT OF WATER RESOURCES 661-858-5500  
RIVERSIDE COUNTY TRANSPORTATION AND LAND MANAGEMENT AGENCY 951-955-6740  
RIVERSIDE COUNTY FIRE DEPARTMENT 951-955-4777

**SCHOOL DISTRICT**

RIVERSIDE UNIFIED SCHOOL DISTRICT  
951-788-7134



Thomas Guide (2004); page. 646, E-7

**VICINITY MAP**

NOT TO SCALE

SECTION 9, TOWNSHIP 2 SOUTH, RANGE 4 WEST

**ABBREVIATIONS**

AVE. AVENUE  
BC BEGIN CURVE  
BP BOTTOM OF PIPE  
DIA. DIAMETER  
DWG. DRAWING  
EC END CURVE  
EX EXISTING  
FM FORCE-MAIN  
GB GRADE BREAK  
I.E. INVERT ELEVATION  
LF LINEAR FEET  
MH MANHOLE  
NO. NUMBER  
N/P NON-POTABLE WATER  
N/PW PROPOSED  
PVC POLYVINYL CHLORIDE  
R/CFC & WCD RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT  
RHWC RIVERSIDE HIGHLAND WATER COMPANY  
S.D. STORM DRAIN  
SDR STANDARD DIMENSION RATIO  
SS SANITARY SEWER  
ST STREET  
STA. STATION  
STD. STANDARD  
TP TOP OF PIPE  
VCP VITRIFIED CLAY PIPE

**OWNER / PERMITTEE**

RWR HOMES, INC  
2710 LOKER AVENUE WEST, STE. 350  
CARLSBAD, CA 92008  
(760) 918-6797

BY:

BOB TURI DATE  
VICE PRESIDENT

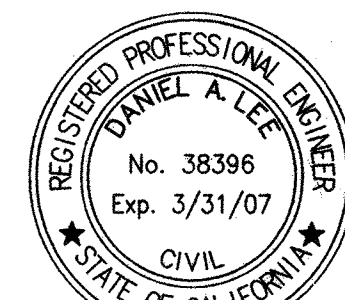
**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSION CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. IN ASSUMING RESPONSIBLE CHARGE I ACCEPT FULL RESPONSIBILITY FOR THE ENTIRE DESIGN OF THIS PROJECT AS SHOWN ON THESE PLANS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF RIVERSIDE, CITY OF RIVERSIDE, OR THEIR AGENTS IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

STANTEC CONSULTING INC.  
277 RANCHEROS DRIVE, SUITE 300  
SAN MARCOS, CA 92069  
(760) 891-3200

Daniel A. Lee 2-4-06  
R.C.E. No. 38396 DATE  
EXPIRATION DATE: 03-31-07



ALL REVISIONS MARKED & PREPARED UNDER THE SUPERVISION OF:

Michael Boeck 1/27/15  
MICHAEL J. BOECK DATE:  
RCE NO. 66417 EXP. 06-30-16  
RBF CONSULTING 40210 COUNTY CENTER DR. TEMECULA CA 92591  
951-676-8042 FAX 951-676-7240



ENGINEER	REVISION	APPR.	DATE
Daniel A. Lee	01/15 RBF	DL	1/27/06

CITY OF RIVERSIDE RECOMMENDS APPROVAL

Michael Boeck 10/27/06  
CITY ENGINEER DATE

CITY OF RIVERSIDE DRAWING # S-1896

WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29596, 29740  
MS 4013

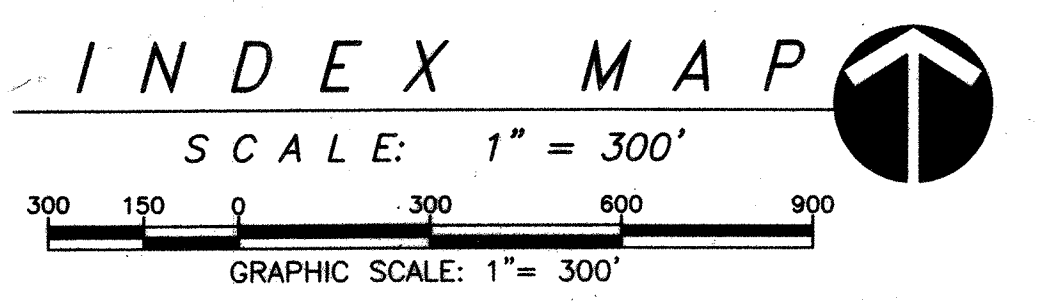
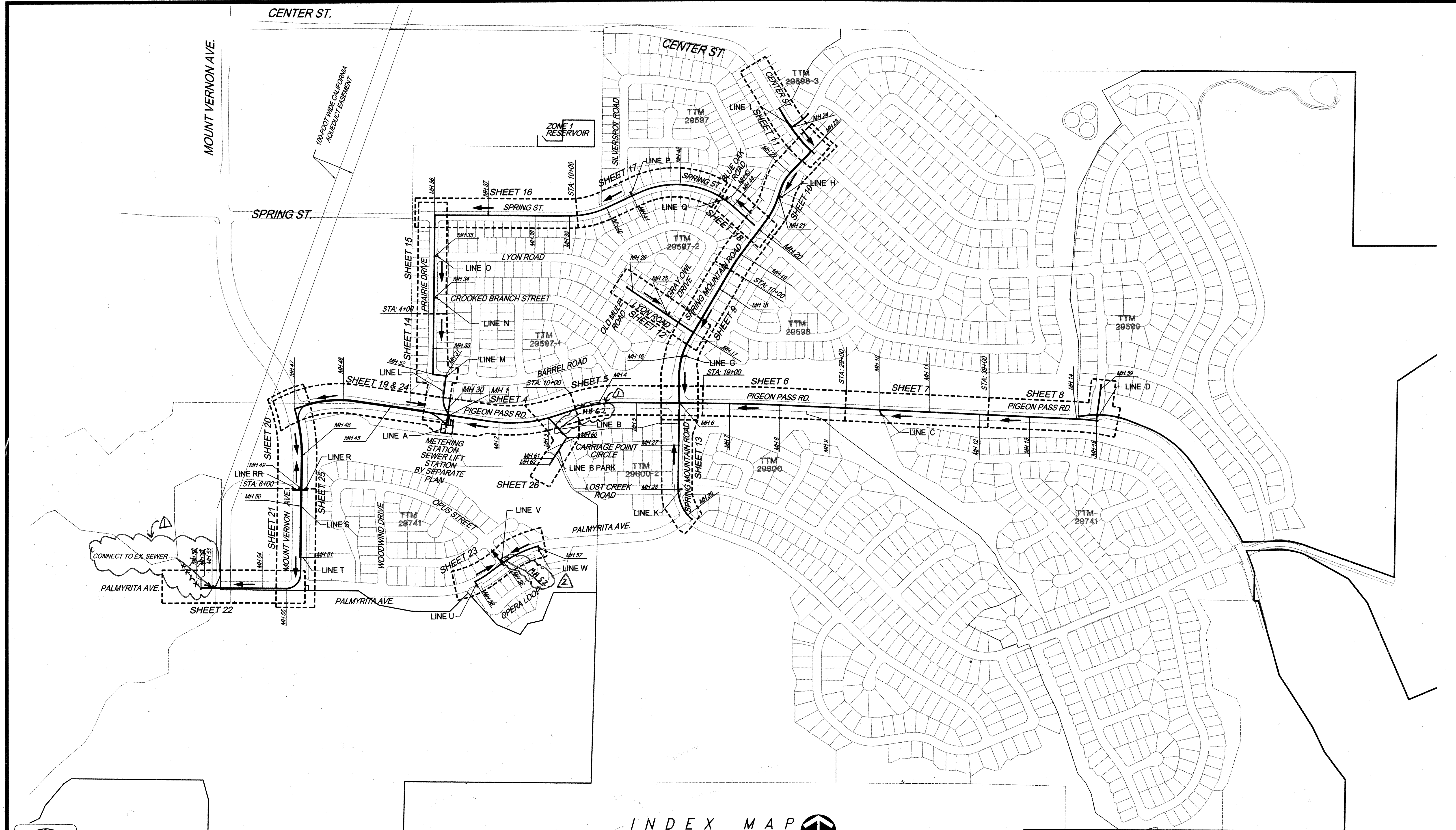
SHEET NO.

1

OF 26 SHTS.

**TITLE SHEET**

SCALE: N/A VERT: AS SHOWN N/A FOR: W.O. COUNTY FILE NO.



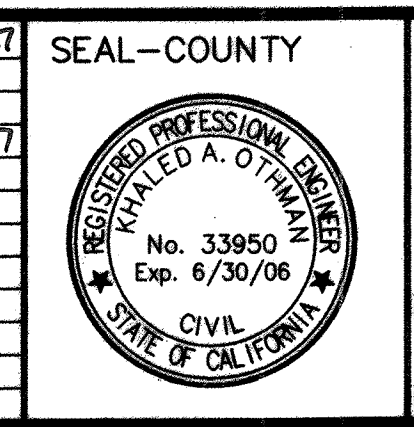
NOTE: SEE INDIVIDUAL SHEETS FOR EASEMENT IDENTIFICATION



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

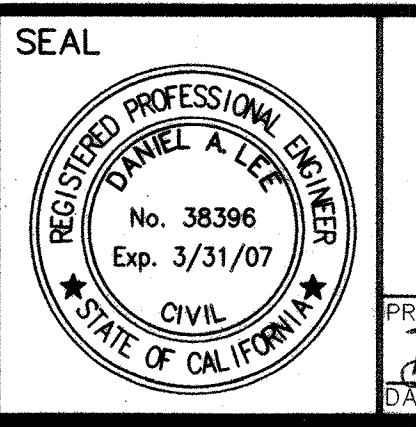
DATE	BY	MARK	REVISIONS	APPR.	DATE
6/07	DL	DL	REVISIONS FOR LOWERING FOREMANS RISE		6-21-07
7/07	DL	DL	RAISING LINE B + LINE B PARK PROFILES		7/10/07
			REVISED SEWER AND ADDED MH 52 TO AVOID CONFLICTING WITH STORM DRAIN		



COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:

KHALED A. OTHMAN DATE:

RECOMMENDED BY PBS & J DATE:



Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com

PREPARED BY: Daniel A. Lee  
R.C.E. NO. 38396  
DATE: 6-28-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL

*Shu Bed* 10/27/06  
CITY ENGINEER DATE

SEE SHEET 1 FOR BENCHMARK DATA

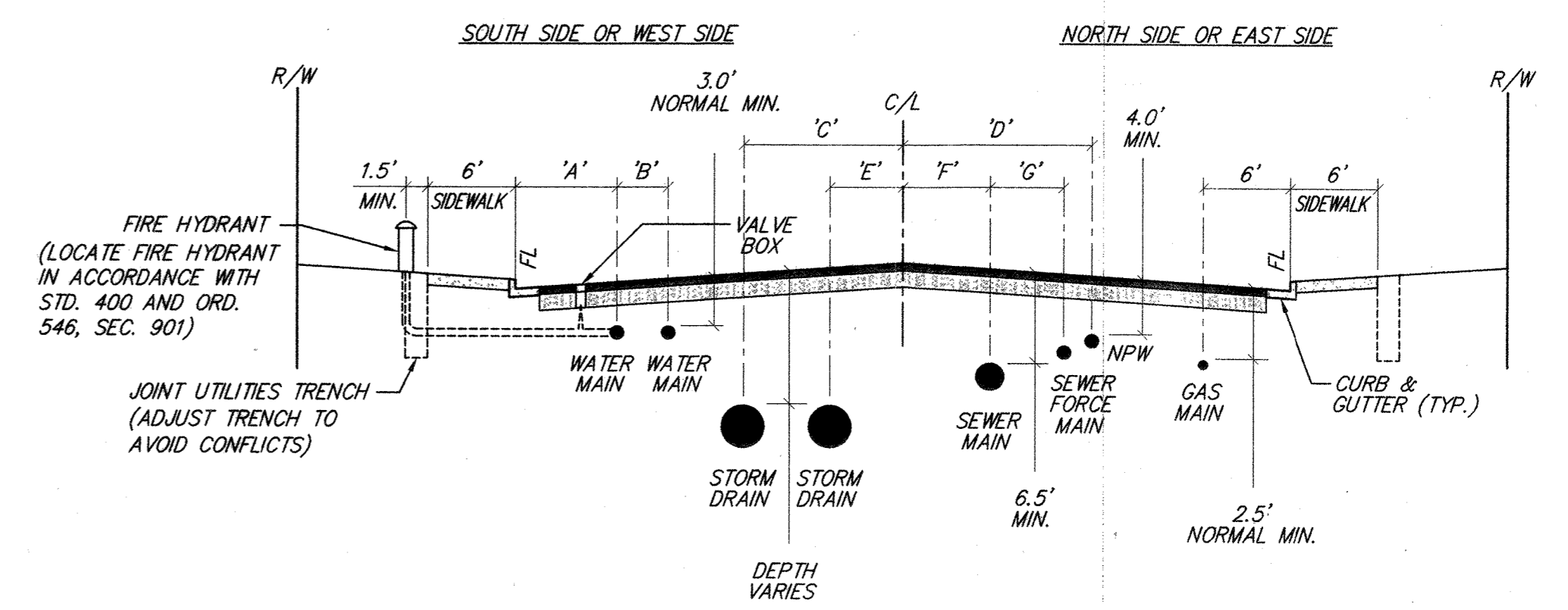
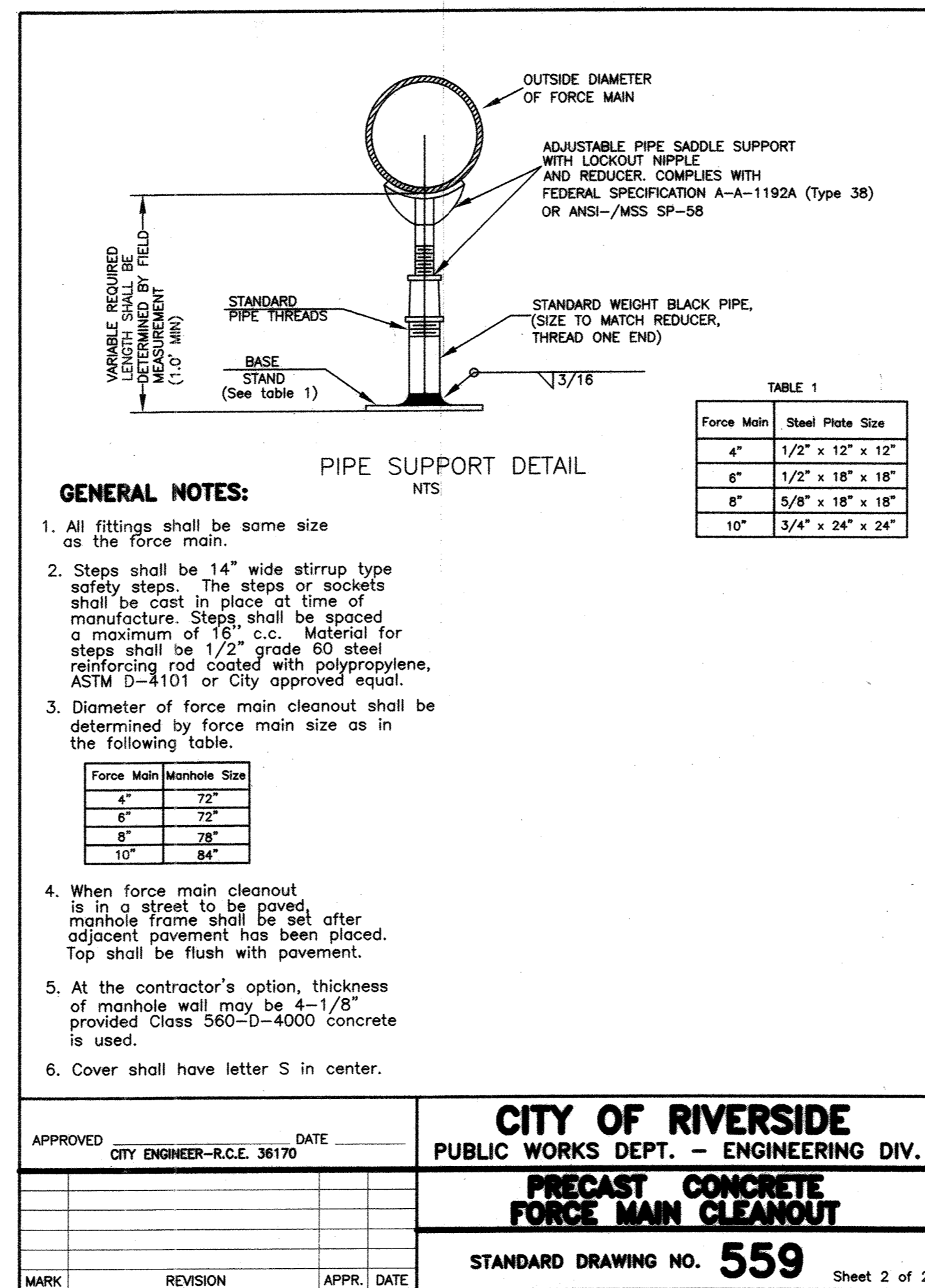
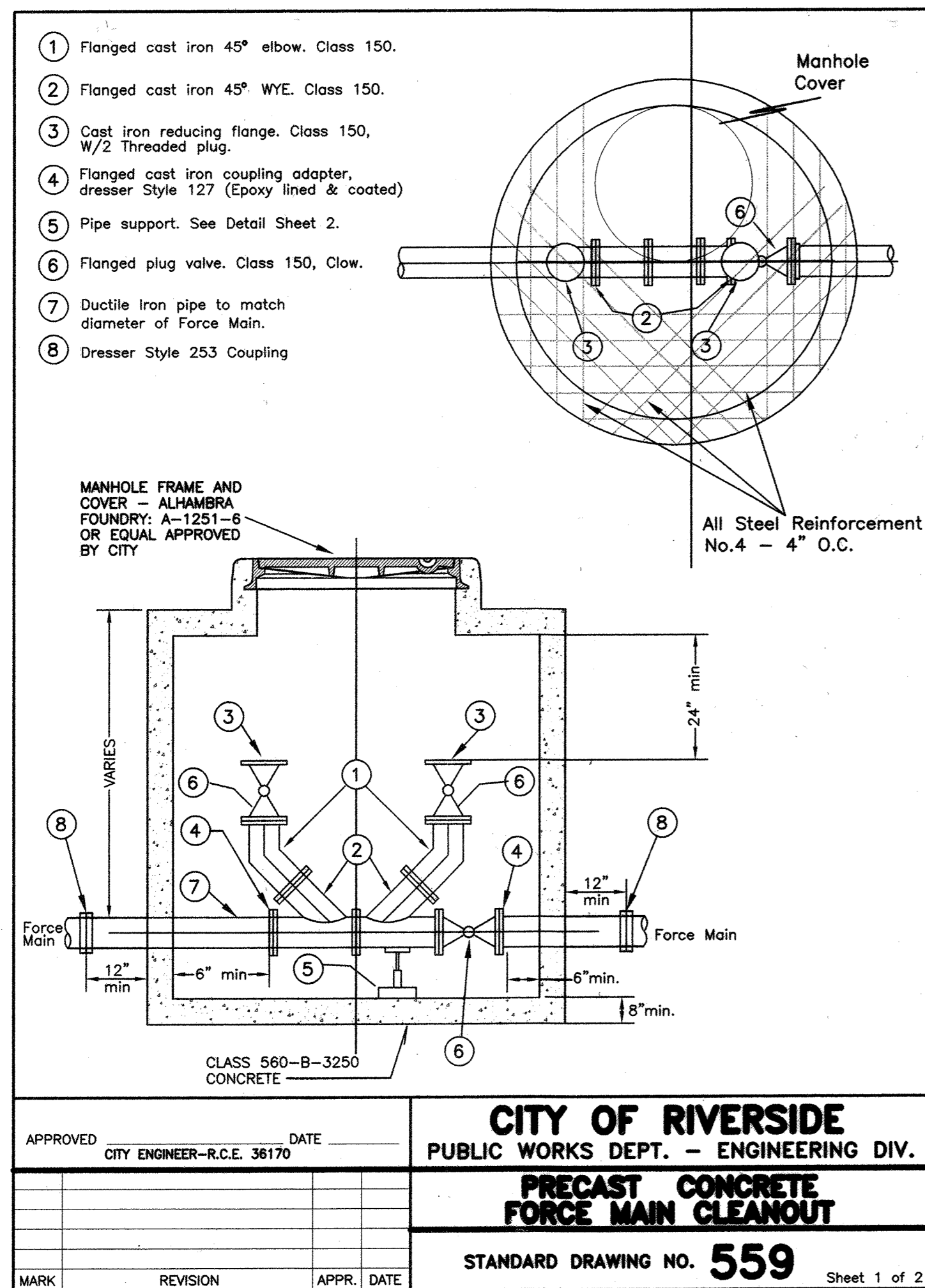
SCALE: HOR: 1"=300' VERT: AS SHOWN

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

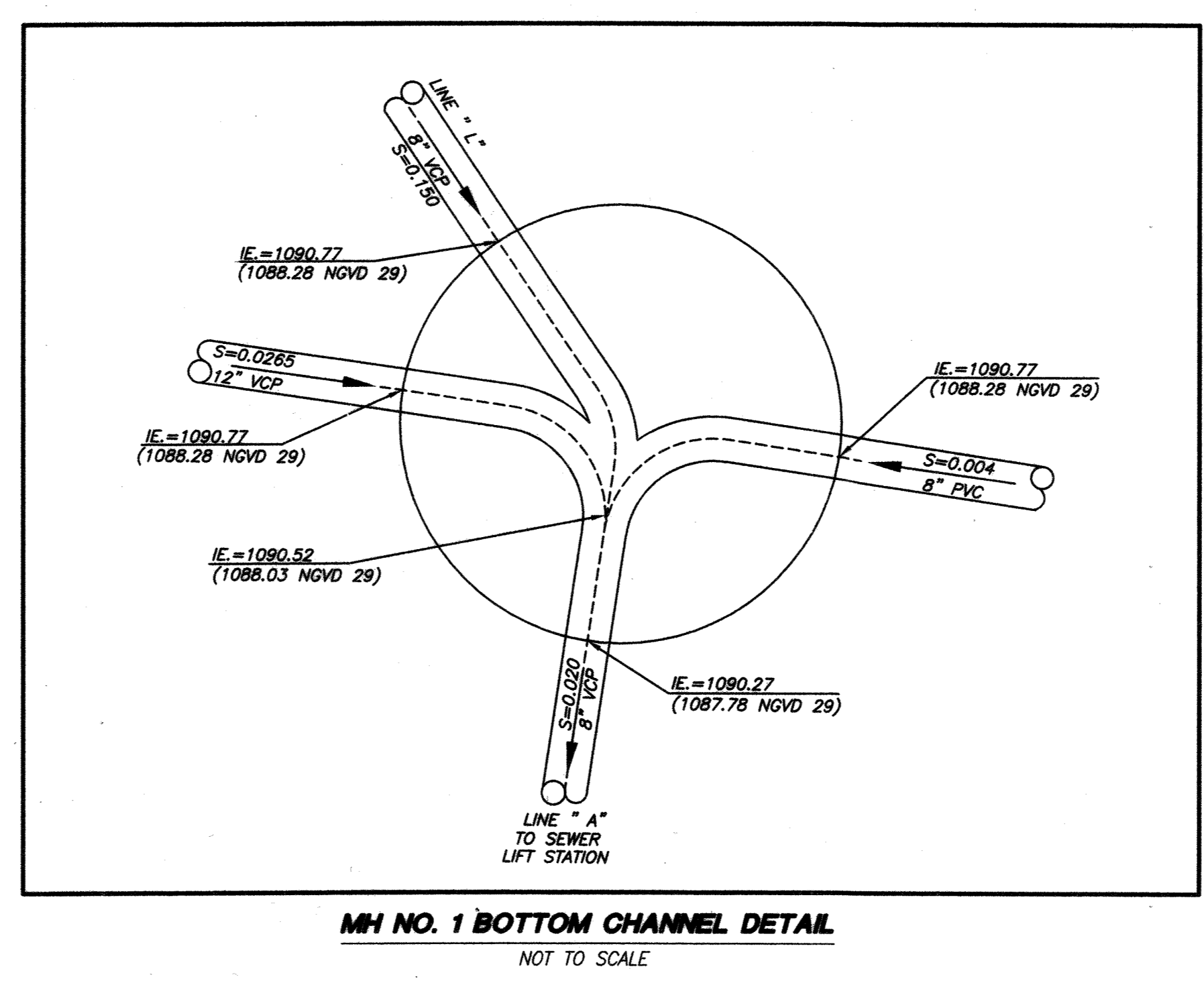
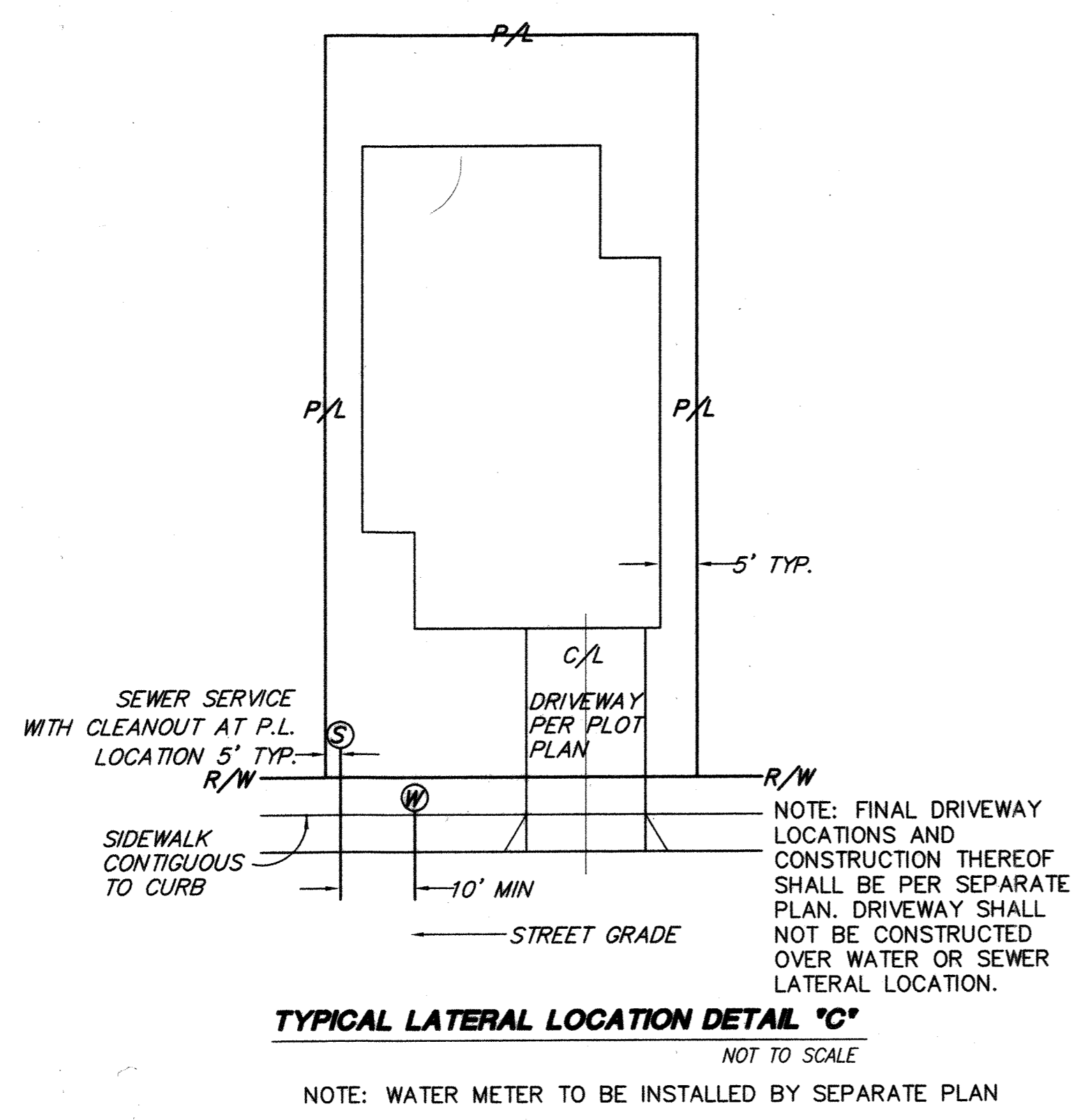
COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4018

INDEX SHEET

SHEET NO. 2  
OF 26 SHTS.



STREET NAME	DIMENSION							REMARKS
	'A'	'B'	'C'	'D'	'E'	'F'	'G'	
MOUNT VERNON AVENUE	7'	-	-	17'	6'	6'	6'	
CENTER STREET	5'	3.5'	-	15'	6'	6'	-	
SPRING STREET	7'	-	-	12'	6'	6'	-	
PRAIRIE DRIVE	7'	-	-	-	6'	6'	-	PER RCTD STD. NO. 817
PIGEON PASS ROAD	7'	-	-	-	6'	6'	-	PER RCTD STD. NO. 817
HIGHGROVE PLACE	7'	-	-	-	5'	-	-	
PALMYRITA AVENUE	7'	-	-	12'	6'	6'	-	
SPRING MOUNTAIN ROAD	5'	3.5'	-	15'	6'	6'	-	
LYON ROAD	7'	-	-	-	6'	6'	-	PER RCTD STD. NO. 817
OLD MULE ROAD	7'	-	-	-	-	-	-	
STOCKYARD ROAD	5'	3.5'	-	13'	6'	6'	-	
IRON RAIL DRIVE	-	-	-	12'	-	-	-	
WALKING BEAM DRIVE	-	-	-	12'	-	-	-	



TYPICAL UNDERGROUND UTILITY LOCATIONS DETAIL 'E'  
 NOT TO SCALE



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

REGISTERED PROFESSIONAL ENGINEER  
 KHALED A. OTHMAN  
 No. 33950  
 Exp. 6/30/06  
 CIVIL  
 STATE OF CALIFORNIA

COUNTY OF RIVERSIDE  
 TRANSPORTATION DEPARTMENT  
 APPROVED BY:

KHALED A. OTHMAN DATE: \_\_\_\_\_

SEAL

REGISTERED PROFESSIONAL ENGINEER  
 DANIEL A. LEE  
 No. 38396  
 Exp. 3/31/07  
 CIVIL  
 STATE OF CALIFORNIA

Stantec Consulting, Inc.  
 277 Rancheros Drive Suite 300  
 San Marcos, CA 92069  
 Tel. (760) 891-3200  
 Fax. (760) 891-3201  
 www.stantec.com

R.C.E. NO. 38396  
 DATE: 2-4-06

CITY OF RIVERSIDE  
 RECOMMENDS APPROVAL

10/27/06  
 DATE

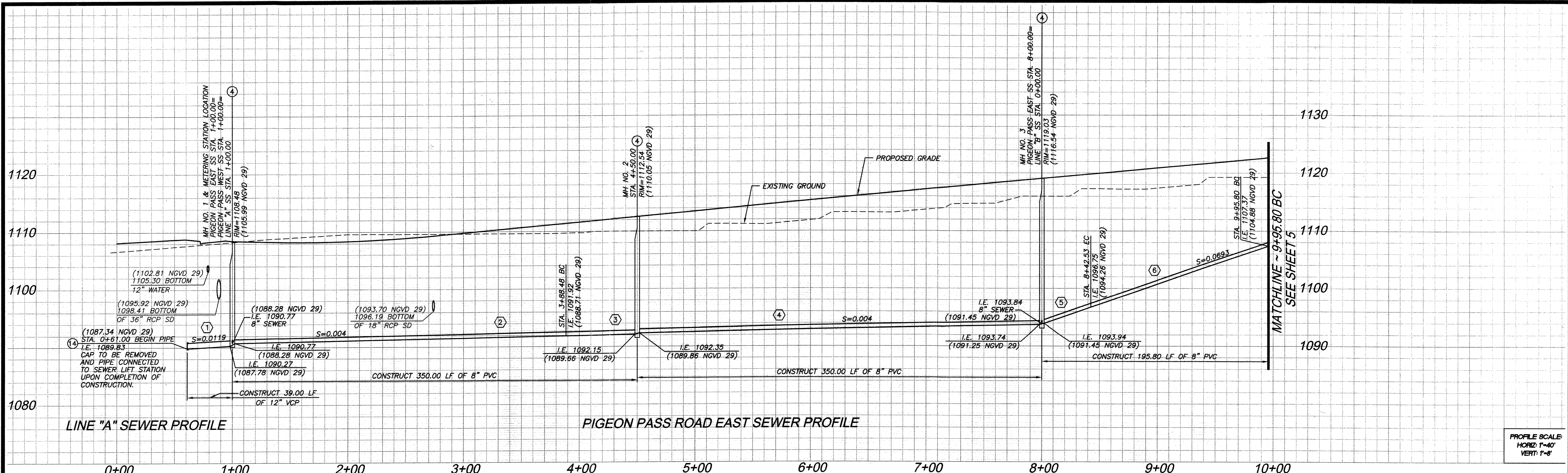
CITY ENGINEER

CITY OF RIVERSIDE DRAWING # S-1896  
 WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
 C.F.D. SEWER IMPROVEMENT PLANS  
 SPRING MOUNTAIN RANCH  
 BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
 29592, 29599, 29600, 29740  
 MS 4013

DETAIL SHEET

SHEET NO. 3  
 OF 26 SHTS.



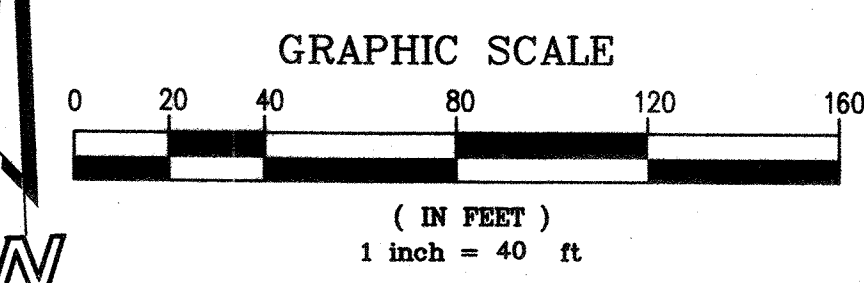
PROFILE SCALE:  
HORIZ: 1"=40'  
VERT: 1"=8'

SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	S08°36'56"E	-	39.00'	-	12" VCP
2	S81°21'12"E	-	288.48'	-	8" PVC
3	A=03°32'46"	994.00'	61.52'	30.77'	" "
4	A=20°10'28"	994.00'	350.00'	176.83'	" "
5	A=02°27'07"	994.00'	42.54'	21.27'	" "
6	N72°28'27"E	-	153.26'	-	" "
7	S25°28'18"E	-	39.63'	-	" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

- CONSTRUCTION NOTES:**
- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - ⑤ INSTALL 12" VCP SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.

**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



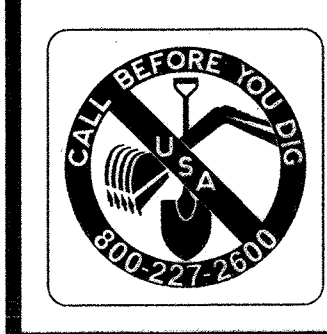
NOTE:  
SEWER EASEMENT DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

NOTE:  
SEWER EASEMENT DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

NOTE:  
SEWER EASEMENT DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

SEWER LIFT STATION PER PW 05-0064  
LINE "A" SEWER ⑤ BEGIN CONSTRUCTION. SEE PROFILE ABOVE.



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.  
THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY  
REGISTERED PROFESSIONAL ENGINEER  
KHALED A. OTHMAN  
No. 33950  
Exp. 6/30/06  
CIVIL  
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN  
DATE: \_\_\_\_\_  
RECOMMENDED BY PBS & J  
DATE: \_\_\_\_\_

SEAL  
REGISTERED PROFESSIONAL ENGINEER  
DANIEL A. LEE  
No. 38396  
Exp. 3/31/07  
CIVIL  
STATE OF CALIFORNIA

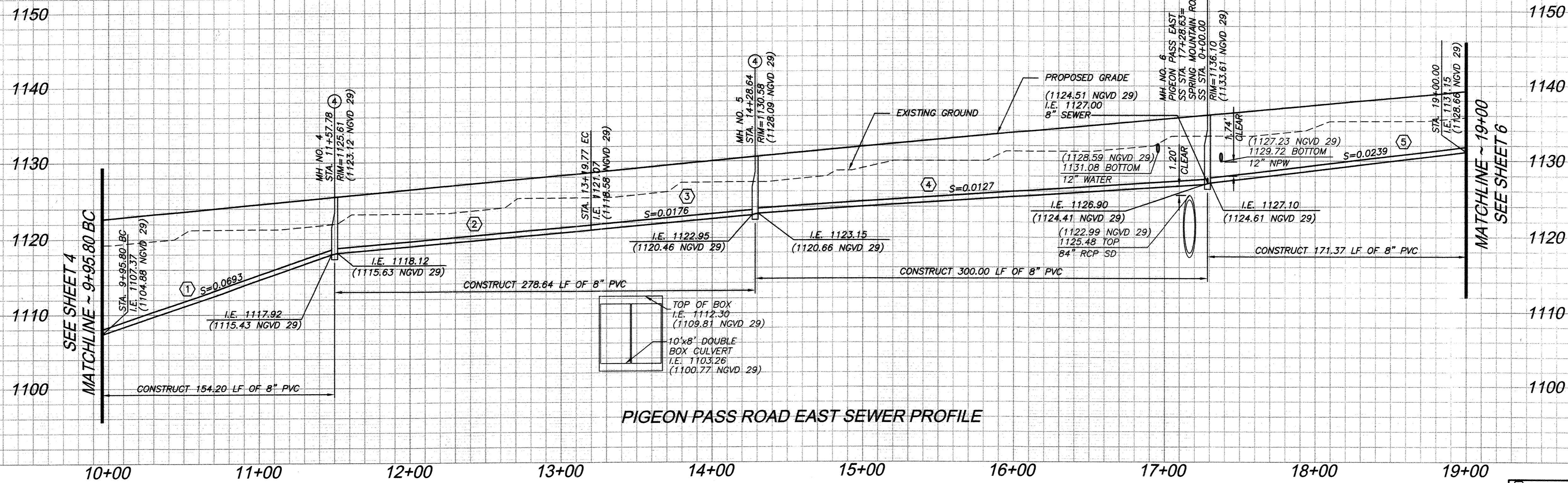
Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
PREPARED BY: [Signature]  
R.C.E. NO. 38396  
DATE: 2-4-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
[Signature]  
CITY ENGINEER  
DATE: 10/22/06

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
PIGEON PASS ROAD EAST  
STA. 0+00 TO STA. 9+95.80  
SHEET NO. 4 OF 26 SHTS.  
FOR: W.O. COUNTY FILE NO.

INDEXED 5-02-07 41



PIGEON PASS ROAD EAST SEWER PROFILE

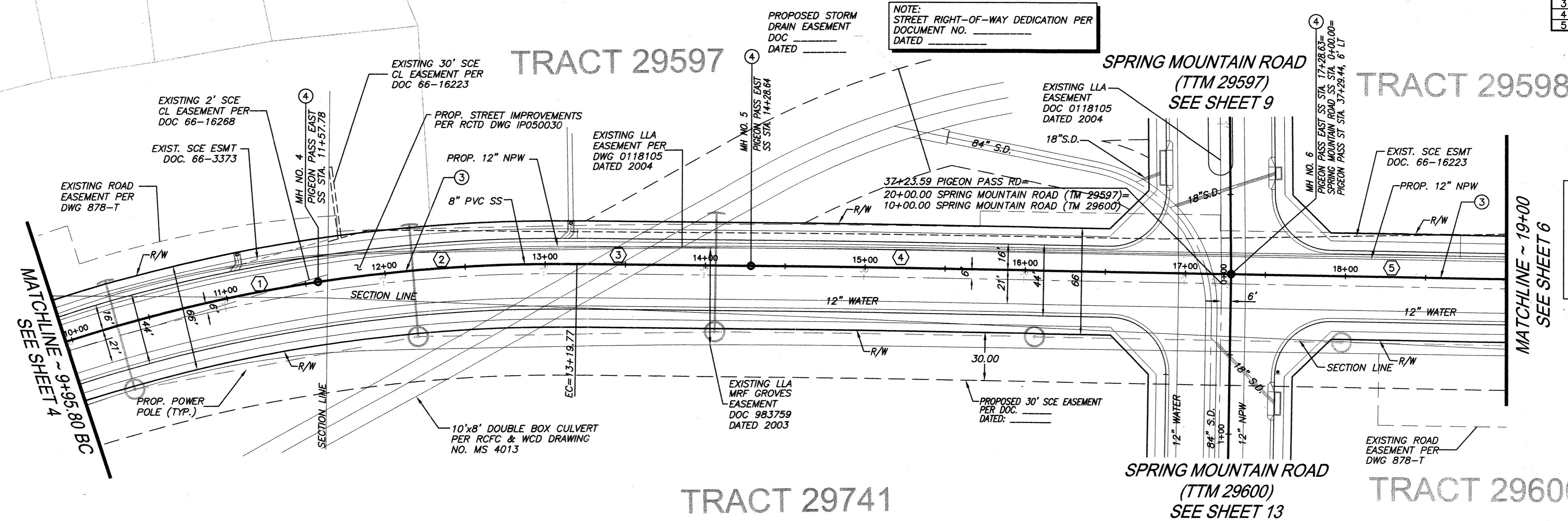
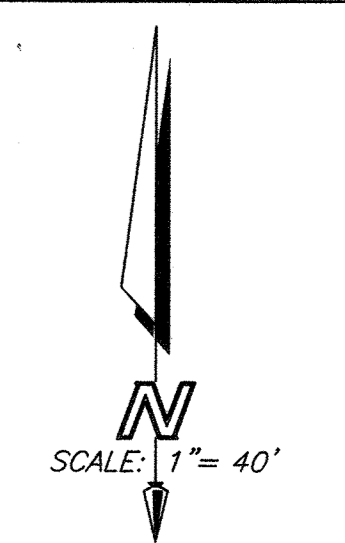
PROFILE SCALE  
HORIZ 1"=40'  
VERT 1"=8'

SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	A=09°13'33"	1006.00'	161.99'	81.17'	8" PVC
2	A=09°13'33"	1006.00'	161.99'	81.17'	" "
3	S89°04'27"E	-	108.86'	-	" "
4	S89°04'27"E	-	300.00'	-	" "
5	S89°04'27"E	-	171.37'	-	" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

- CONSTRUCTION NOTES:**
- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.

**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



PIGEON PASS ROAD EAST



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTIBILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE
ENGINEER				COUNTY	

SEAL-COUNTY  
REGISTERED PROFESSIONAL ENGINEER  
KHALED A. OTHMAN  
No. 33950  
Exp. 6/30/06  
CIVIL  
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN DATE: \_\_\_\_\_  
RECOMMENDED BY PBS & J DATE: \_\_\_\_\_

SEAL  
REGISTERED PROFESSIONAL ENGINEER  
DANIEL A. LEE  
No. 38396  
Exp. 3/31/07  
CIVIL  
STATE OF CALIFORNIA

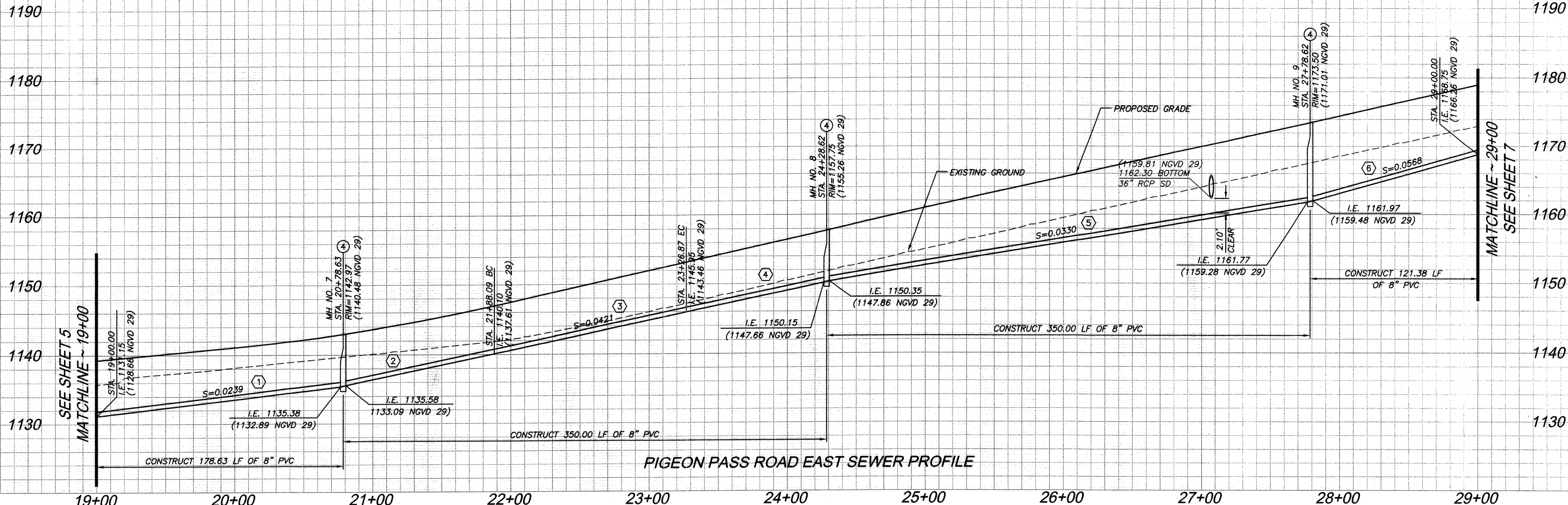
Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
R.C.E. NO. 38396  
DATE: 2-4-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
[Signature] 10/27/06  
CITY ENGINEER DATE

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
PIGEON PASS ROAD EAST  
STA. 9+95.80 TO STA. 10+00  
SHEET NO. 5 OF 26 SHTS.  
FOR: W.O. COUNTY FILE NO.

INDEXED 5-02-07 4-11

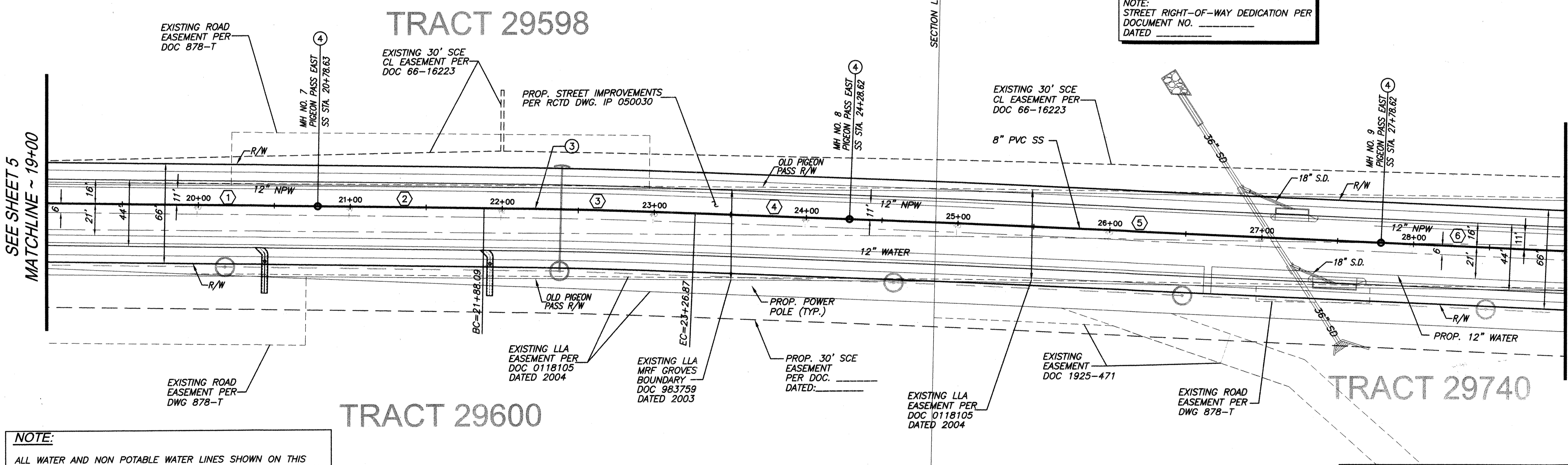


SANITARY SEWER DATA TABLE					
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	S89°04'27"E	-	178.63'	-	8" PVC
2	S89°04'27"E	-	108.46'	-	"
3	A=01°35'18"	5006.00'	138.79'	69.40'	"
4	S87°29'09"E	-	101.75'	-	"
5	S87°29'09"E	-	350.00'	-	"
6	S87°29'09"E	-	121.38'	-	"

NOTE:  
 ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
 ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

**CONSTRUCTION NOTES:**

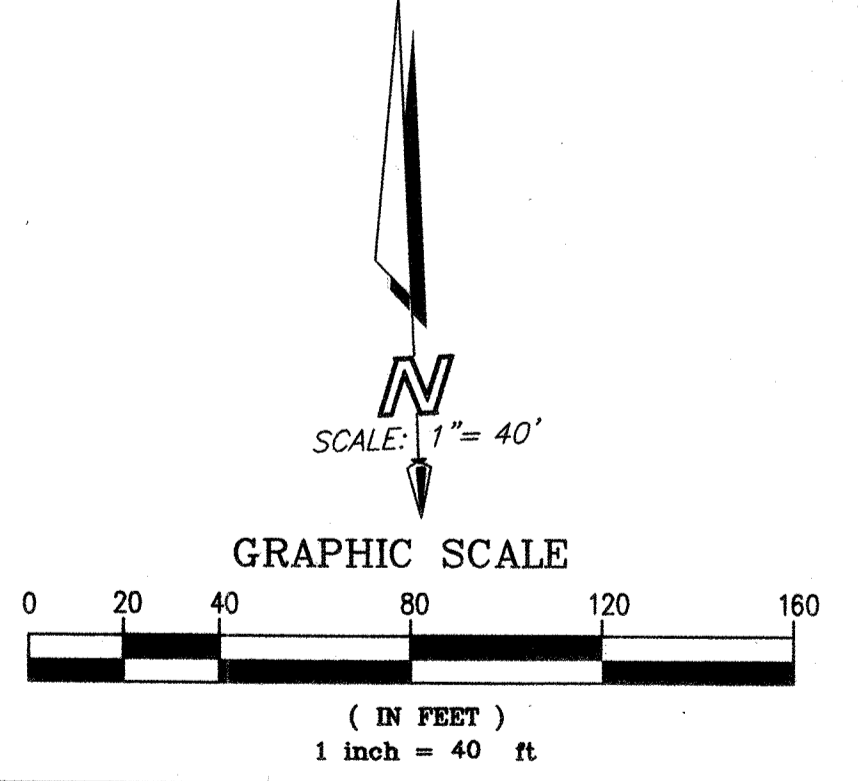
- INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
- CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.



**NOTE:**

ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS

ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



**CITY OF RIVERSIDE**  
 RECOMMENDS APPROVAL

*[Signature]*  
 CITY ENGINEER  
 10/27/06  
 DATE

**CITY OF RIVERSIDE DRAWING # S-1896**  
 WDID No. 833C327881 PW06-0020

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

**CITY OF RIVERSIDE**  
 TRANSPORTATION DEPARTMENT  
 APPROVED BY:

*[Signature]*  
 KHALED A. OTHMAN  
 DATE: \_\_\_\_\_

SEAL

**CITY OF RIVERSIDE**  
 TRANSPORTATION DEPARTMENT  
 APPROVED BY:

*[Signature]*  
 KHALED A. OTHMAN  
 DATE: \_\_\_\_\_

SEAL

**Stantec Consulting, Inc.**  
 277 Rancheros Drive Suite 300  
 San Marcos, CA 92069  
 Tel. (760) 891-3200  
 Fax. (760) 891-3201  
 www.stantec.com

PREPARED BY: *[Signature]*  
 R.C.E. NO. 38396  
 DATE: 2-4-06

SEE SHEET 1 FOR BENCHMARK DATA

SCALE: HOR: 1"=40' VERT: 1"=8'

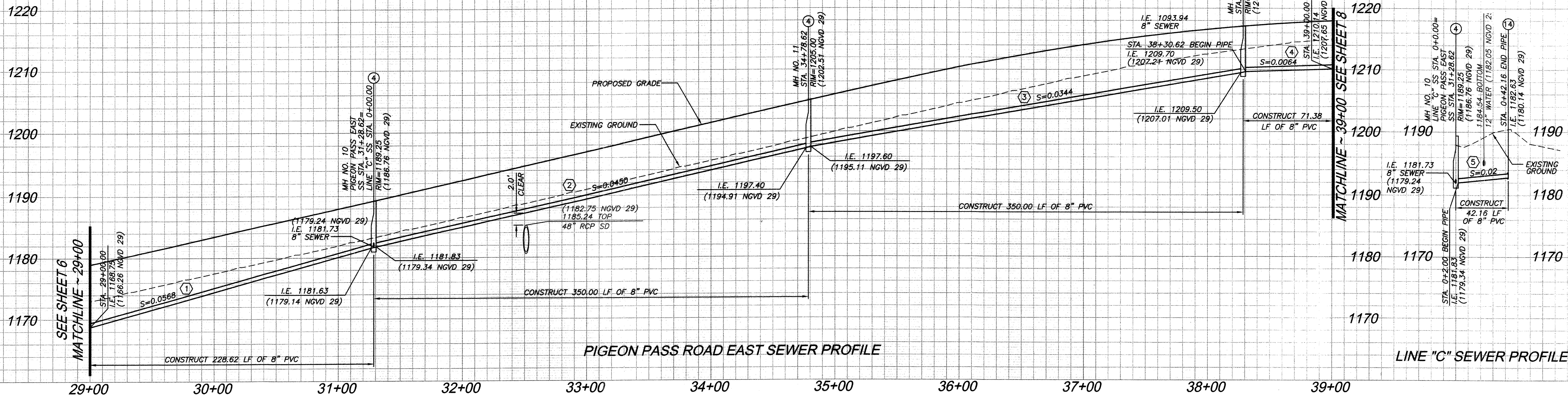
**COUNTY OF RIVERSIDE**  
 C.F.D. SEWER IMPROVEMENT PLANS  
 SPRING MOUNTAIN RANCH  
 BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
 29592, 29599, 29600, 29740  
 MS 4013

**PIGEON PASS ROAD EAST**  
 STA. 19+00 TO STA. 29+00

SHEET NO. 6  
 OF 26 SHTS.

FOR: W.O. COUNTY FILE NO.

INDEXED 5-02-07 Lft



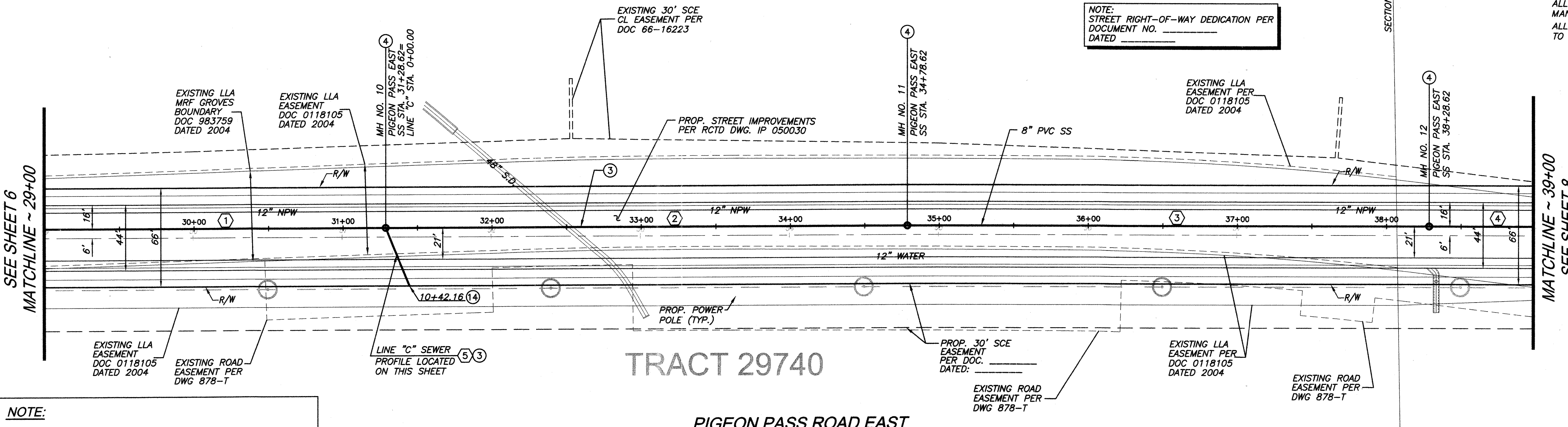
SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	S87°29'09"E	-	228.62'	-	8" PVC
2	S87°29'09"E	-	350.00'	-	"
3	S87°29'09"E	-	350.00'	-	"
4	S87°29'09"E	-	71.38'	-	"
5	S19°48'05"E	-	42.16'	-	"

NOTE:  
 ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
 ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

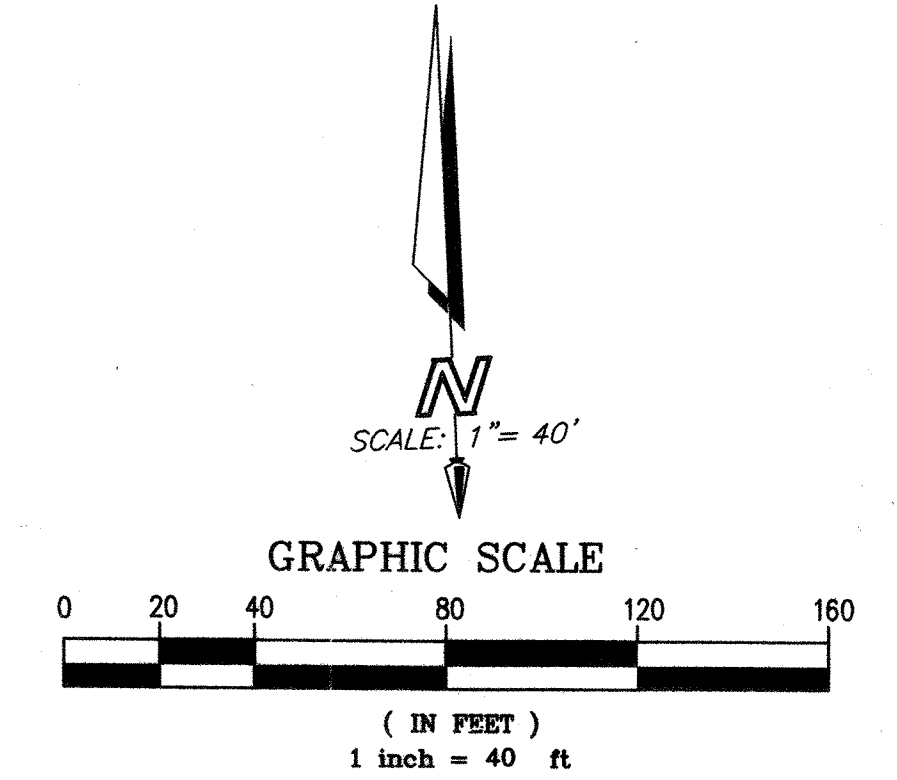
- CONSTRUCTION NOTES:**
- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - ④ INSTALL 8" PLUG.

TRACT 29598

TRACT 29740



**NOTE:**  
 ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
 ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



CITY OF RIVERSIDE  
 RECOMMENDS APPROVAL  
*Ann Bud* 10/27/06  
 CITY ENGINEER DATE

CITY OF RIVERSIDE DRAWING # S-1896  
 WDID No. 833C327881 PW06-0020

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.  
 THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR. DATE	COUNTY

SEAL-COUNTY  
 REGISTERED PROFESSIONAL ENGINEER  
 DANIEL A. LEE  
 No. 33936  
 Exp. 3/31/07  
 CIVIL  
 STATE OF CALIFORNIA

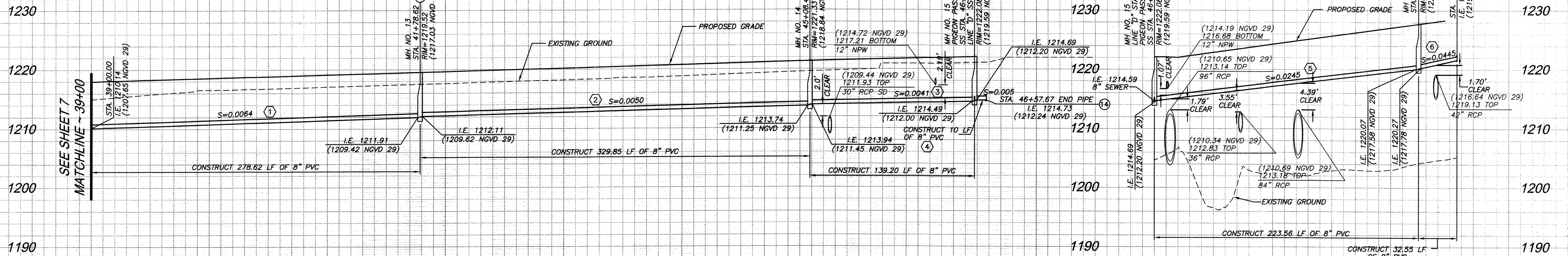
COUNTY OF RIVERSIDE  
 TRANSPORTATION DEPARTMENT  
 APPROVED BY:  
 RHALED A. OTHMAN DATE: \_\_\_\_\_  
 RECOMMENDED BY PBS & J DATE: \_\_\_\_\_

SEAL  
 REGISTERED PROFESSIONAL ENGINEER  
 DANIEL A. LEE  
 No. 38396  
 Exp. 3/31/07  
 CIVIL  
 STATE OF CALIFORNIA

Stantec Consulting, Inc.  
 277 Rancheros Drive Suite 300  
 San Marcos, CA 92069  
 Tel. (760) 891-3200  
 Fax. (760) 891-3201  
 www.stantec.com  
 R.C.E. No. 338396  
 DATE: 2-4-06

SEE SHEET 1 FOR BENCHMARK DATA  
 SCALE: HOR: 1"=40' VERT: 1"=8'

COUNTY OF RIVERSIDE  
 C.F.D. SEWER IMPROVEMENT PLANS  
 SPRING MOUNTAIN RANCH  
 BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
 29592, 29598, 29600, 29740  
 MS 4013  
**PIGEON PASS ROAD EAST**  
**STA. 29+00 TO STA. 39+00**  
 SHEET NO. 7  
 OF 26 SHTS.  
 FOR: W.O. COUNTY FILE NO.



PIGEON PASS ROAD EAST SEWER PROFILE

FUTURE GRAZING LANE LINE "D" SEWER PROFILE

PROFILE SCALE:  
HORIZ: 1"=40'  
VERT: 1"=8'

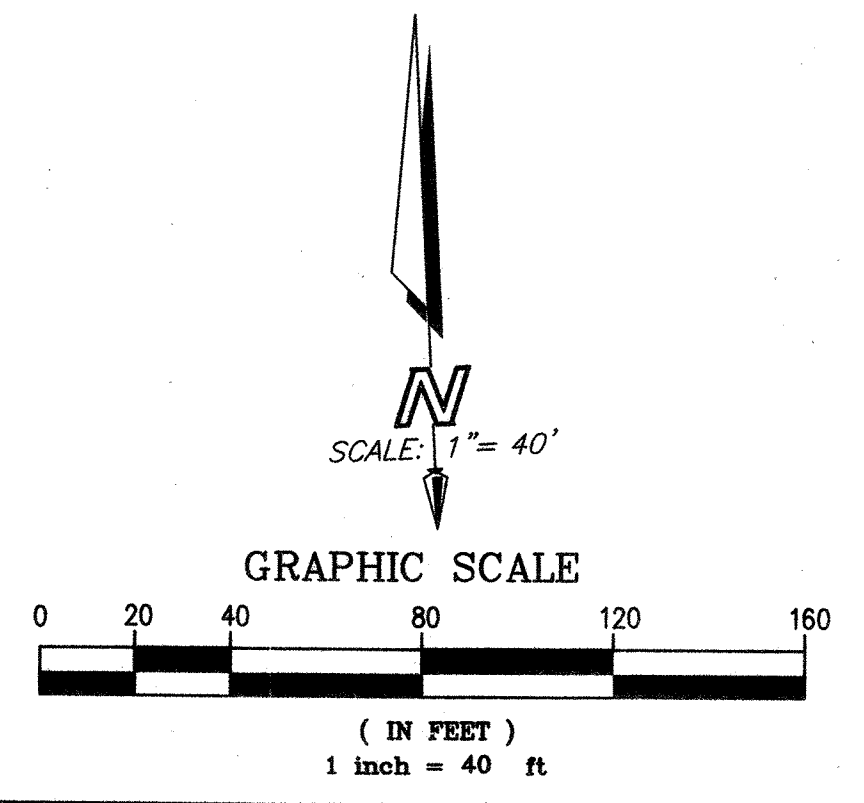
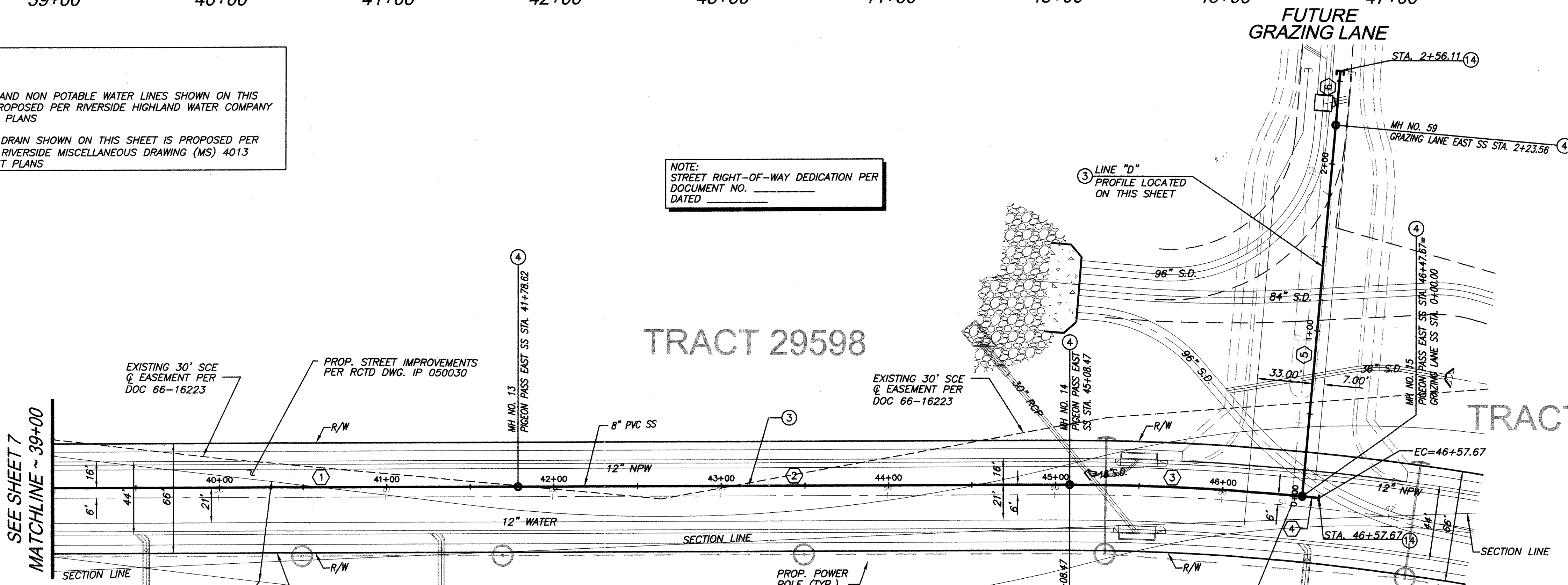
**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS

**NOTE:**  
STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

SANITARY SEWER DATA TABLE					
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	S87°29'09"E	-	278.62'	-	8" PVC
2	S87°29'09"E	-	329.85'	-	"
3	A=05°17'46"	1506.00'	139.21'	69.65'	"
4	A=00°22'50"	1506.00'	10.00'	5.00'	"
5	N07°34'56"E	-	223.56'	-	"
6	N07°34'56"E	-	32.55'	-	"

**NOTE:**  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL

**CONSTRUCTION NOTES:**  
③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.  
④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.  
⑬ INSTALL 8" PLUG.



CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
*Thom B. ...* 10/27/06  
CITY ENGINEER DATE

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

**NOTE:** WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY  
COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN DATE: \_\_\_\_\_  
RECOMMENDED BY PBS & J DATE: \_\_\_\_\_

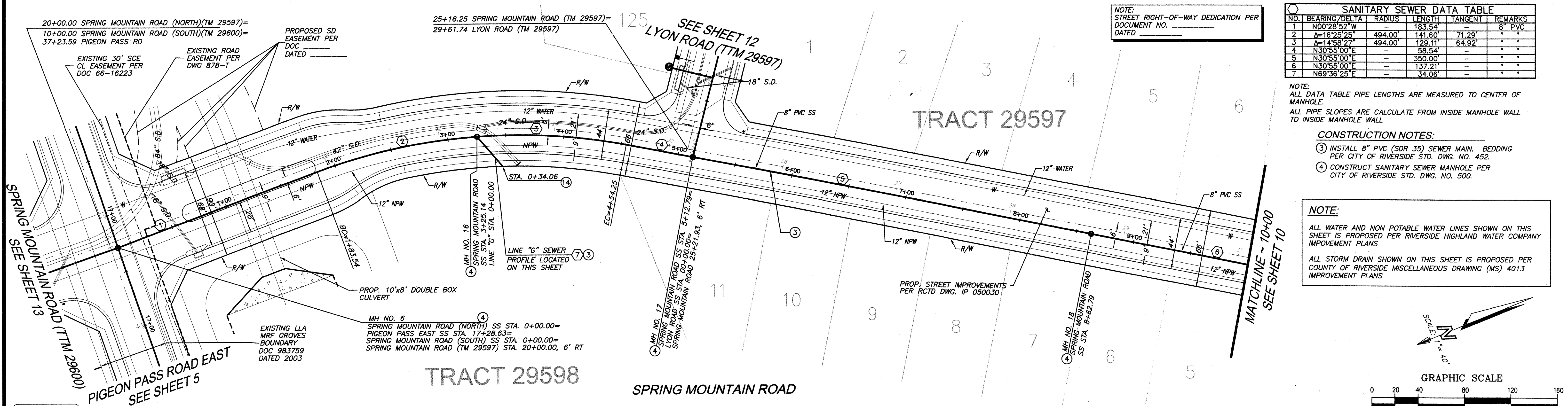
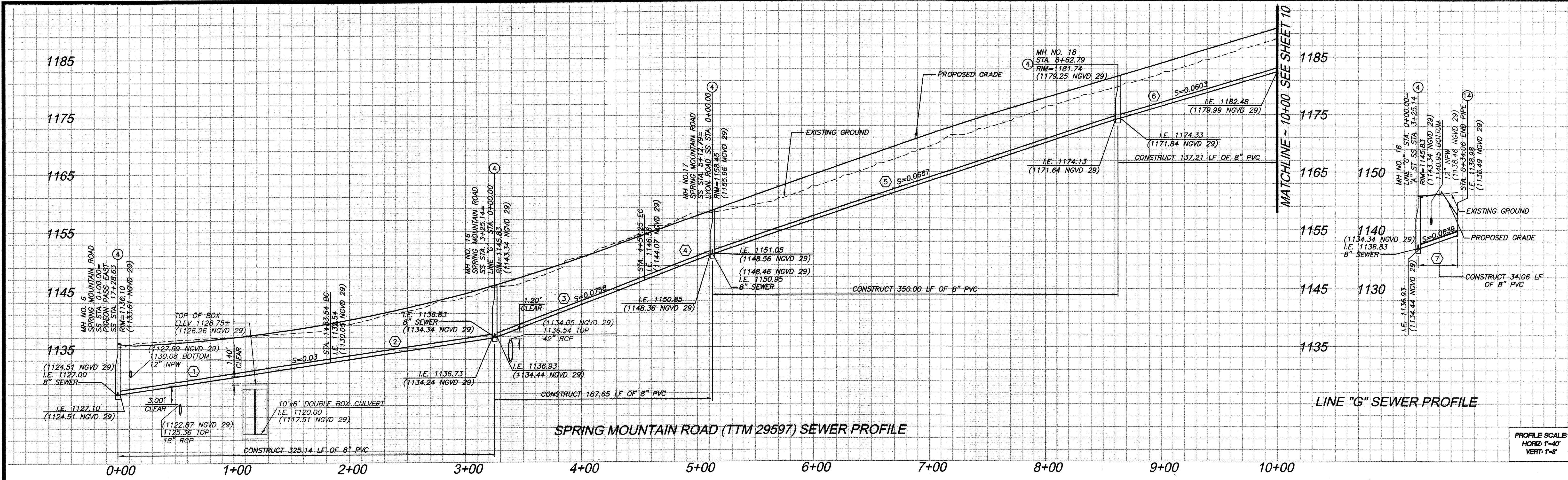
SEAL  
REGISTERED PROFESSIONAL ENGINEER  
DANIEL A. LEE  
No. 38396  
Exp. 3/31/07  
CIVIL  
STATE OF CALIFORNIA  
Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
R.C.E. NO. 38396  
DATE: 2-4-06

SEE SHEET 1 FOR BENCHMARK DATA  
SCALE: HOR: 1"=40' VERT: 1"=8'

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
PIGEON PASS ROAD EAST  
STA. 39+00 TO STA. 46+57.67  
FOR: \_\_\_\_\_ W.O. \_\_\_\_\_ COUNTY FILE NO. \_\_\_\_\_  
SHEET NO. 8 OF 26 SHTS.

INDEXED S-02-07 Lfl





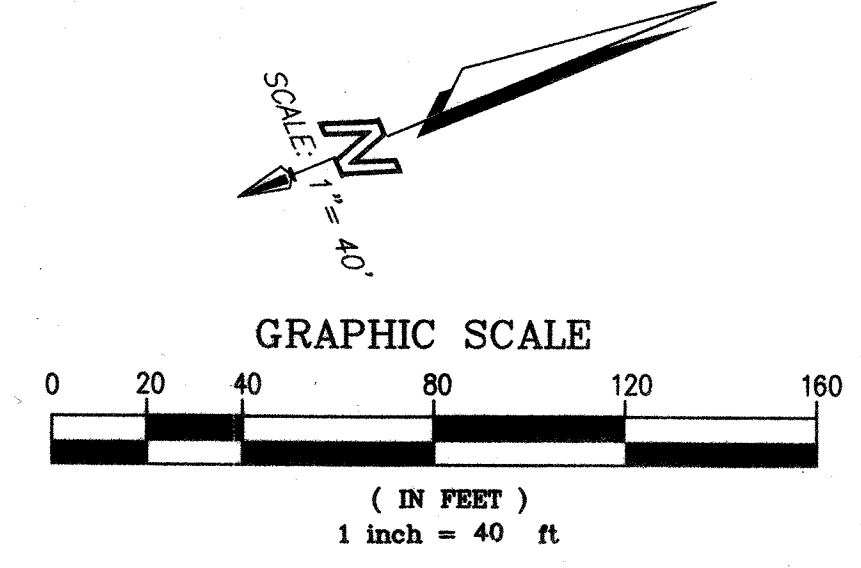
**SANITARY SEWER DATA TABLE**

NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	N00°28'52\"/>				

NOTE: ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE. ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

**CONSTRUCTION NOTES:**  
 ③ INSTALL 8\"/>

**NOTE:**  
 ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
 ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



**CITY OF RIVERSIDE**  
RECOMMENDS APPROVAL

*[Signature]*  
CITY ENGINEER

DATE: 10/20/06

**CITY OF RIVERSIDE DRAWING # S-1896**

WDID No. 833C327881 PW06-0020

**COUNTY OF RIVERSIDE**  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
**SPRING MOUNTAIN ROAD**  
(TTM 29597)  
STA. 0+00 TO STA. 10+00

SEE SHEET 1 FOR BENCHMARK DATA

SCALE: HOR: 1"=40' VERT: 1"=8'

SEAL-COUNTY

COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:

KHALED A. OTHMAN DATE:

SEAL

REGISTERED PROFESSIONAL ENGINEER  
DANIEL A. LEE  
No. 33950  
Exp. 6/30/06  
CIVIL  
STATE OF CALIFORNIA

Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com

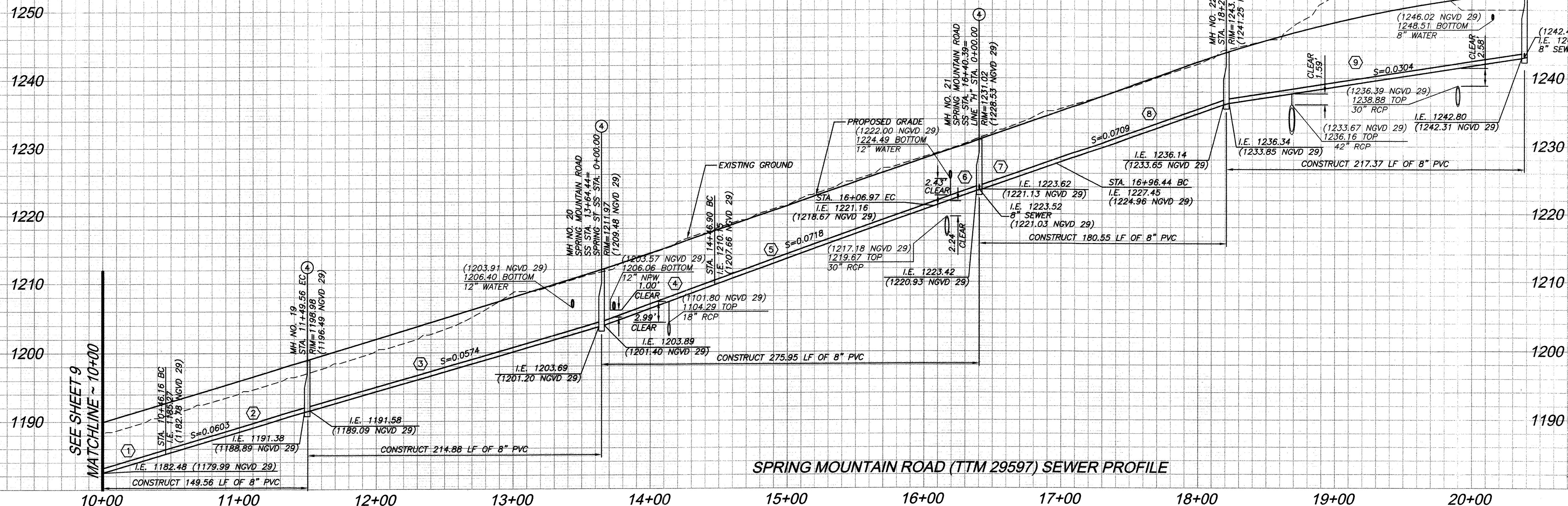
R.C.E. NO. 38396  
DATE: 2-4-06

FOR: W.O. COUNTY FILE NO.

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

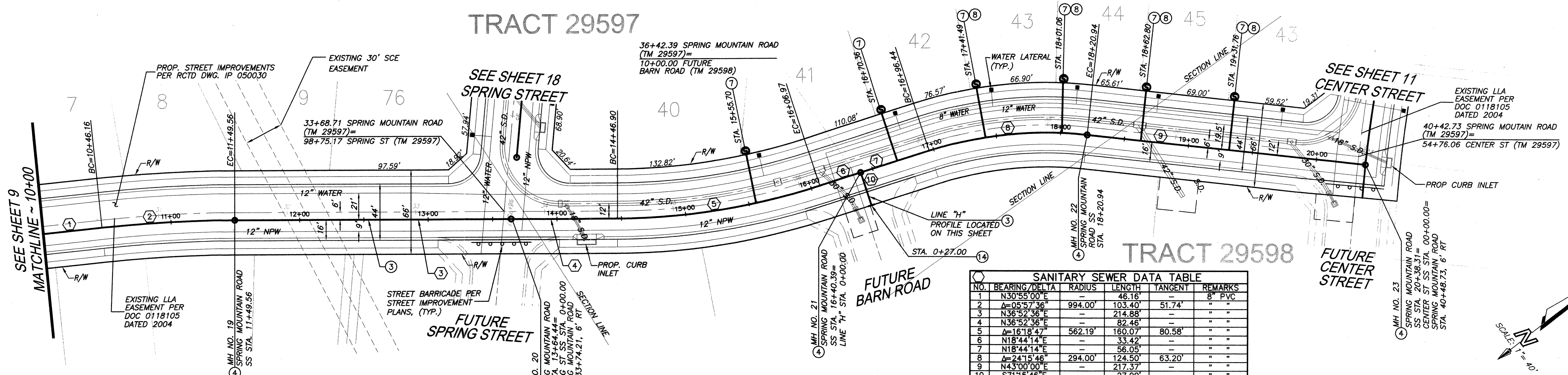
THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE



SPRING MOUNTAIN ROAD (TTM 29597) SEWER PROFILE

PROFILE SCALE  
HORIZ: 1"=40'  
VERT: 1"=8'



TRACT 29597

TRACT 29598

SANITARY SEWER DATA TABLE					
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	N30°55'00"E	-	46.16'	-	8" PVC
2	A=05°57'36"	994.00'	103.40'	51.74'	"
3	N36°52'36"E	-	214.88'	-	"
4	N36°52'36"E	-	82.48'	-	"
5	A=16°18'47"	562.19'	160.07'	80.58'	"
6	N18°44'14"E	-	33.42'	-	"
7	N18°44'14"E	-	56.05'	-	"
8	A=24°15'46"	294.00'	124.50'	63.20'	"
9	N43°00'00"E	-	217.37'	-	"
10	S71°15'46"E	-	27.00'	-	"

CONSTRUCTION NOTES:

- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
- ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
- ⑦ INSTALL 4" PVC (SDR 35) SEWER LATERAL W/ CLEANOUT PER CITY OF RIVERSIDE STD. DWG. NO. 562A.
- ⑧ BACKWATER VALVE
- ⑩ INSTALL 8" PLUG.

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL

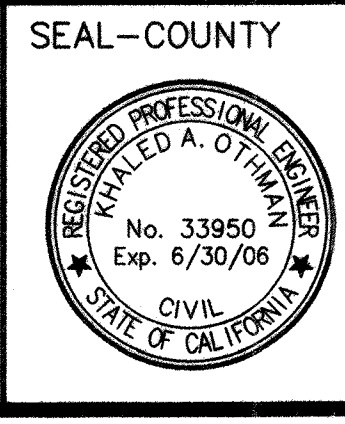
**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREIN. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE



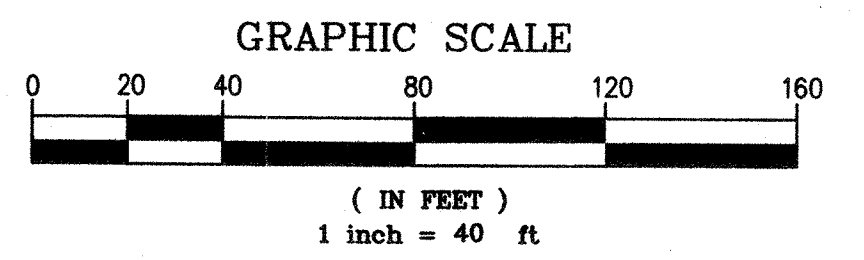
SEAL-COUNTY  
COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN  
DATE: \_\_\_\_\_

SEAL  
REGISTERED PROFESSIONAL ENGINEER  
DANIEL A. LEE  
No. 33950  
Exp. 3/31/07  
CIVIL  
STATE OF CALIFORNIA  
PREPARED BY: Daniel A. Lee  
R.C.E. NO. 38396  
DATE: 2-4-06

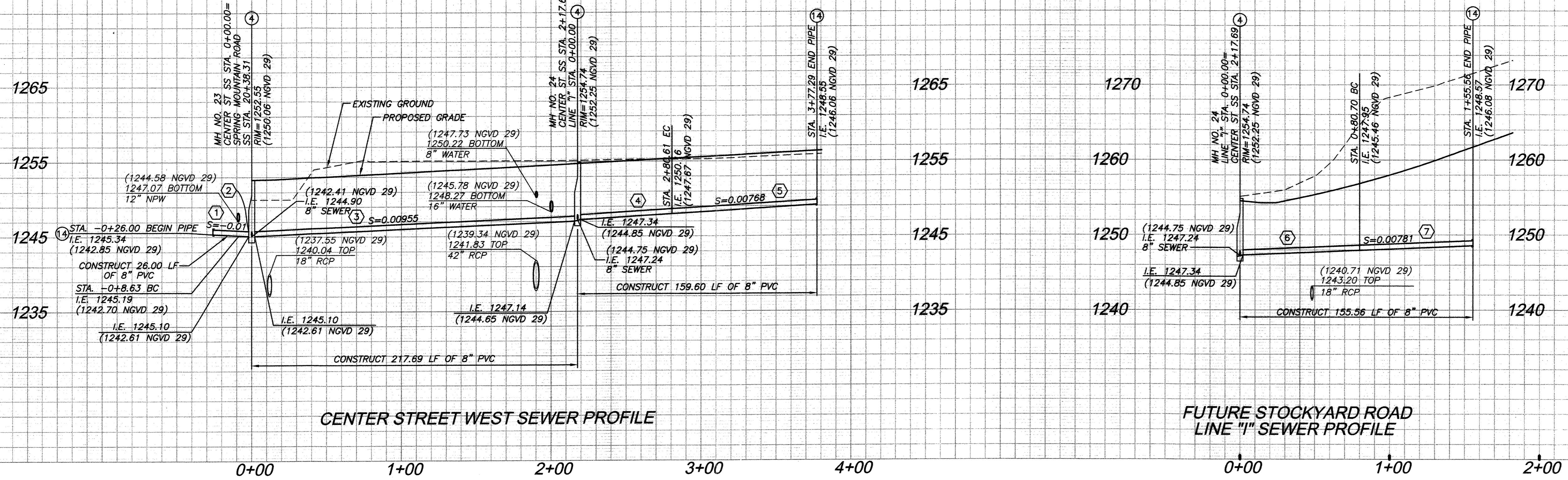
CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
CITY ENGINEER: [Signature]  
DATE: 10/23/06

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
SPRING MOUNTAIN ROAD  
(TTM 29597)  
STA. 10+00  
TO STA. 20+38.31  
SHEET NO. 10 OF 26 SHTS.



INDEXED S-02-07 left



PROFILE SCALE:  
HORIZ: 1"=40'  
VERT: 1"=8'

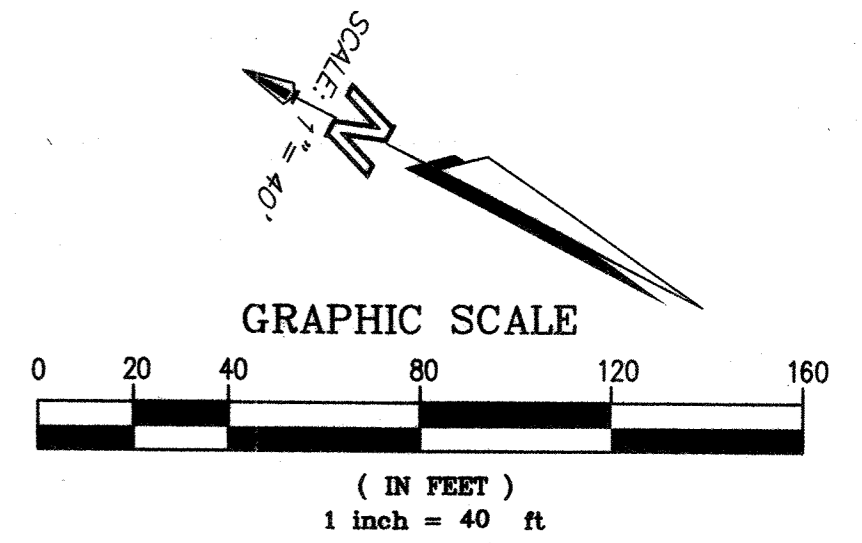
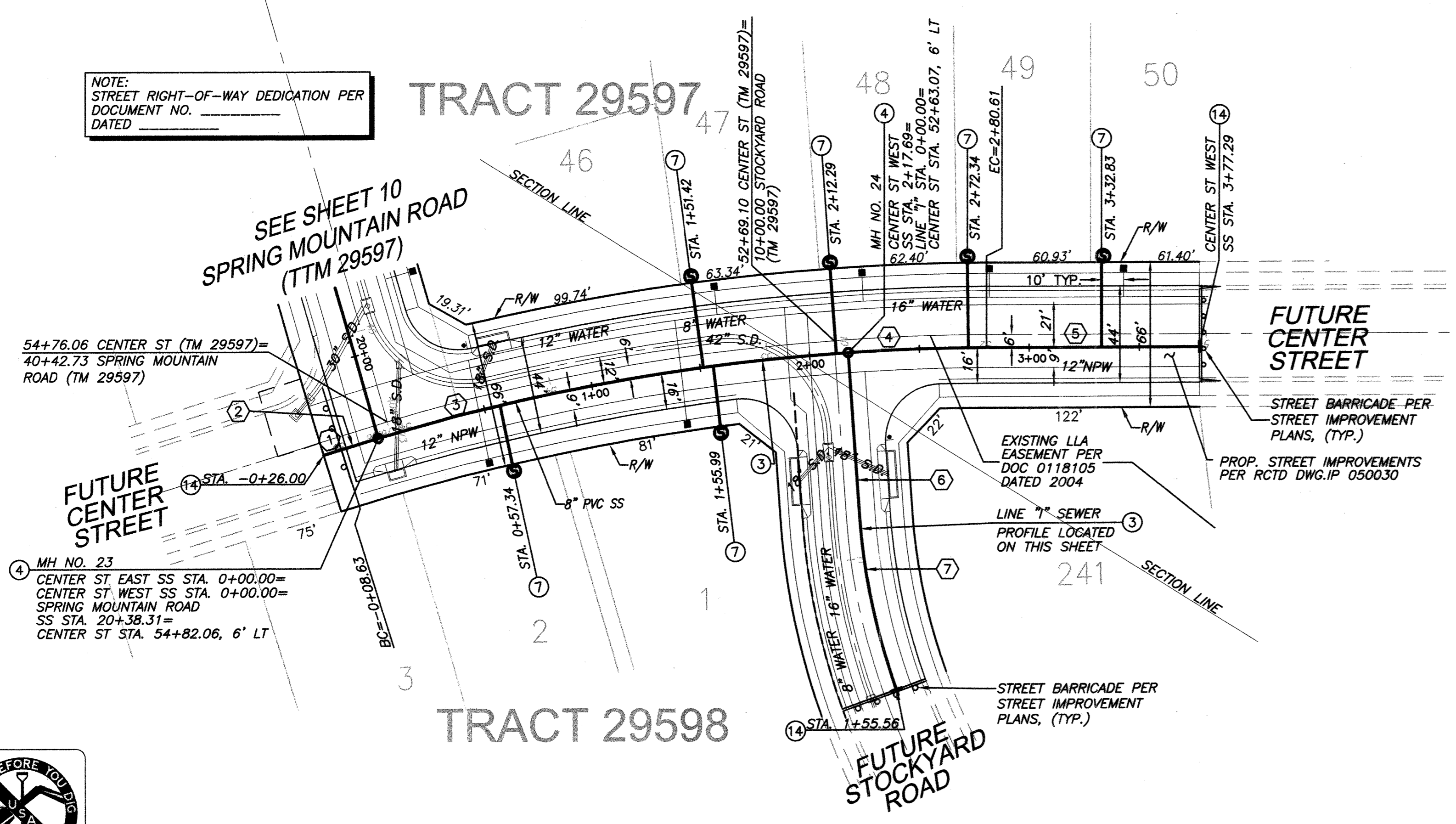
SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	N48°07'24"W	-	8.63'	-	8" PVC
2	A=01°00'05"	994.00'	17.37'	8.69'	" "
3	A=12°32'52"	994.00'	217.69'	109.28'	" "
4	A=03°37'36"	994.00'	62.92'	31.47'	" "
5	N30°56'51"W	-	96.82'	-	" "
6	N55°04'48"E	-	74.68'	-	" "
7	A=15°45'40"	294.00'	80.88'	40.69'	" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

- CONSTRUCTION NOTES:
- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - ⑦ INSTALL 4" PVC (SDR 35) SEWER LATERAL W/ CLEANOUT PER CITY OF RIVERSIDE STD. DWG. NO. 562A.
  - ④ INSTALL 8" PLUG.

NOTE:  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS

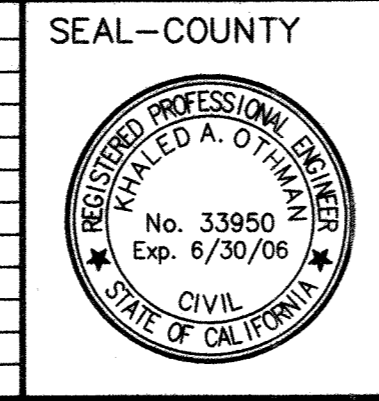
NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_



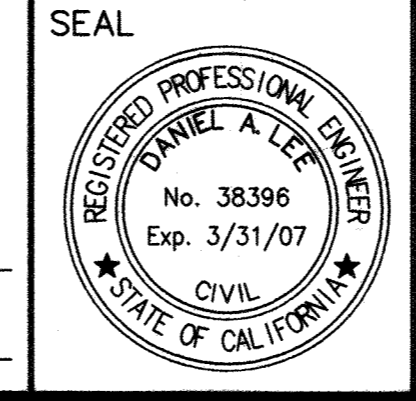
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE



SEAL-COUNTY  
COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN  
DATE: \_\_\_\_\_



Stantec Consulting, Inc.  
217 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
PREPARED BY: Daniel A. Lee  
R.C.E. NO. 38396  
DATE: 2-4-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
Dan Byrd  
CITY ENGINEER  
10/27/06  
DATE

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
CENTER STREET  
STA. -0+26 TO STA. 3+77.29  
SHEET NO. 11  
OF 26 SHTS.

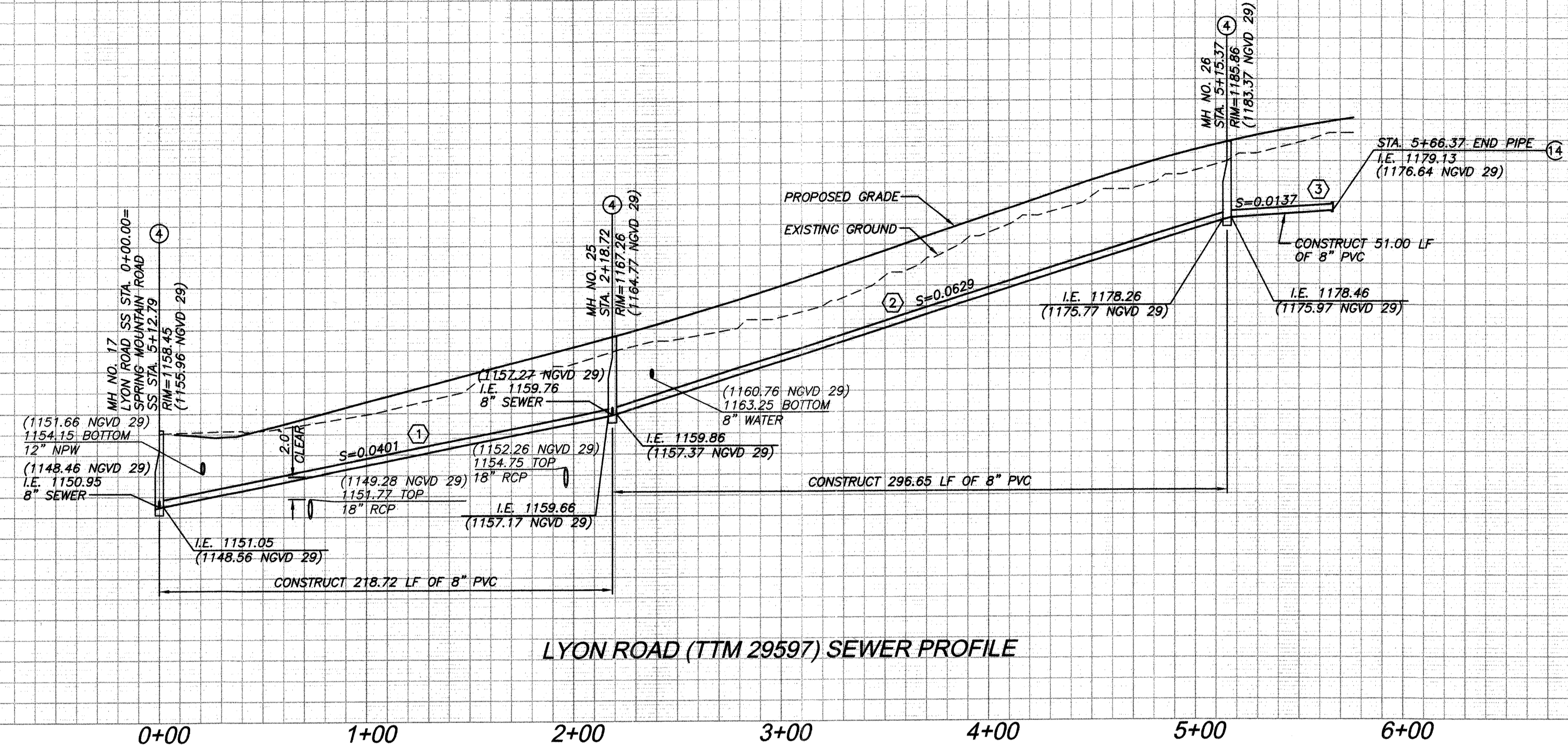
SEE SHEET 1 FOR BENCHMARK DATA

SCALE: HOR: 1"=40' VERT: 1"=8'

FOR: W.O. COUNTY FILE NO.

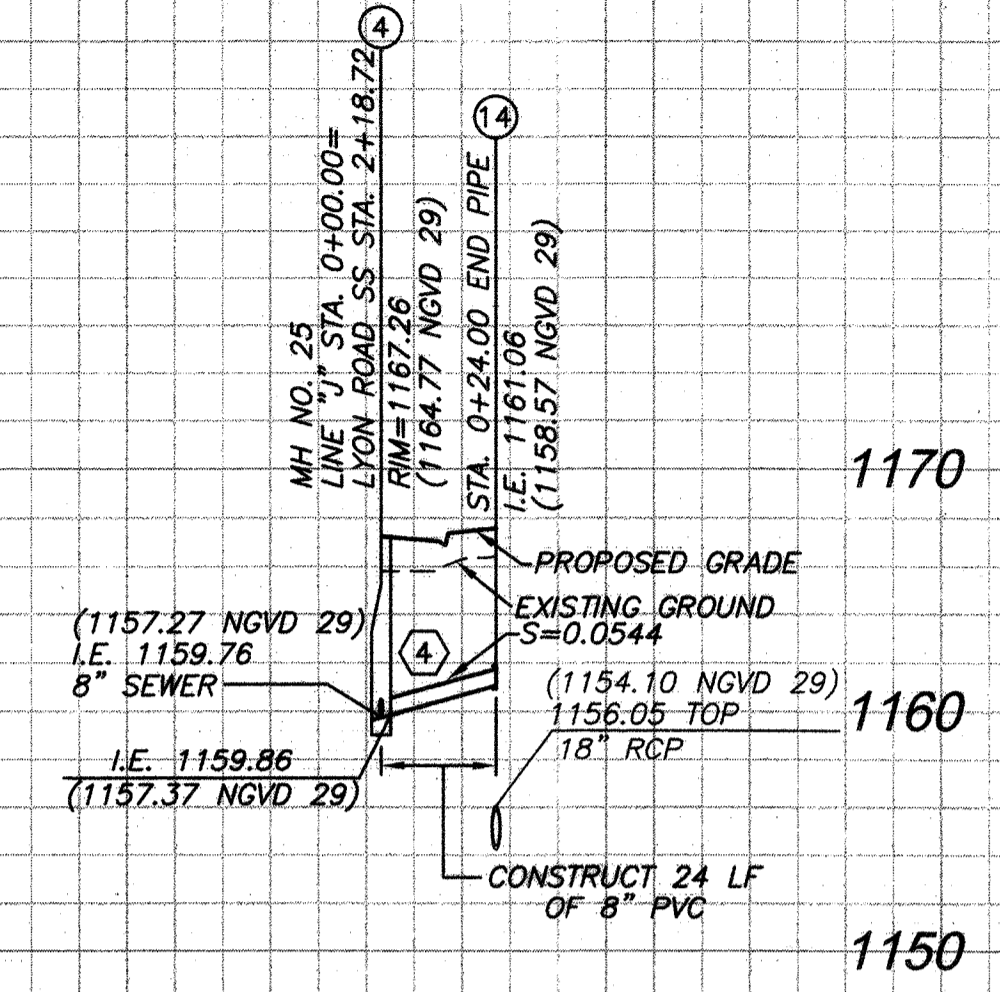
INDEXED 5-02-07 Lft

1200  
1190  
1180  
1170  
1160  
1150



LYON ROAD (TTM 29597) SEWER PROFILE

1200  
1190  
1180  
1170  
1160  
1150



FUTURE GRAY OWL DRIVE LINE "J" SEWER PROFILE

PROFILE SCALE:  
HORIZ: 1"=40'  
VERT: 1"=8'

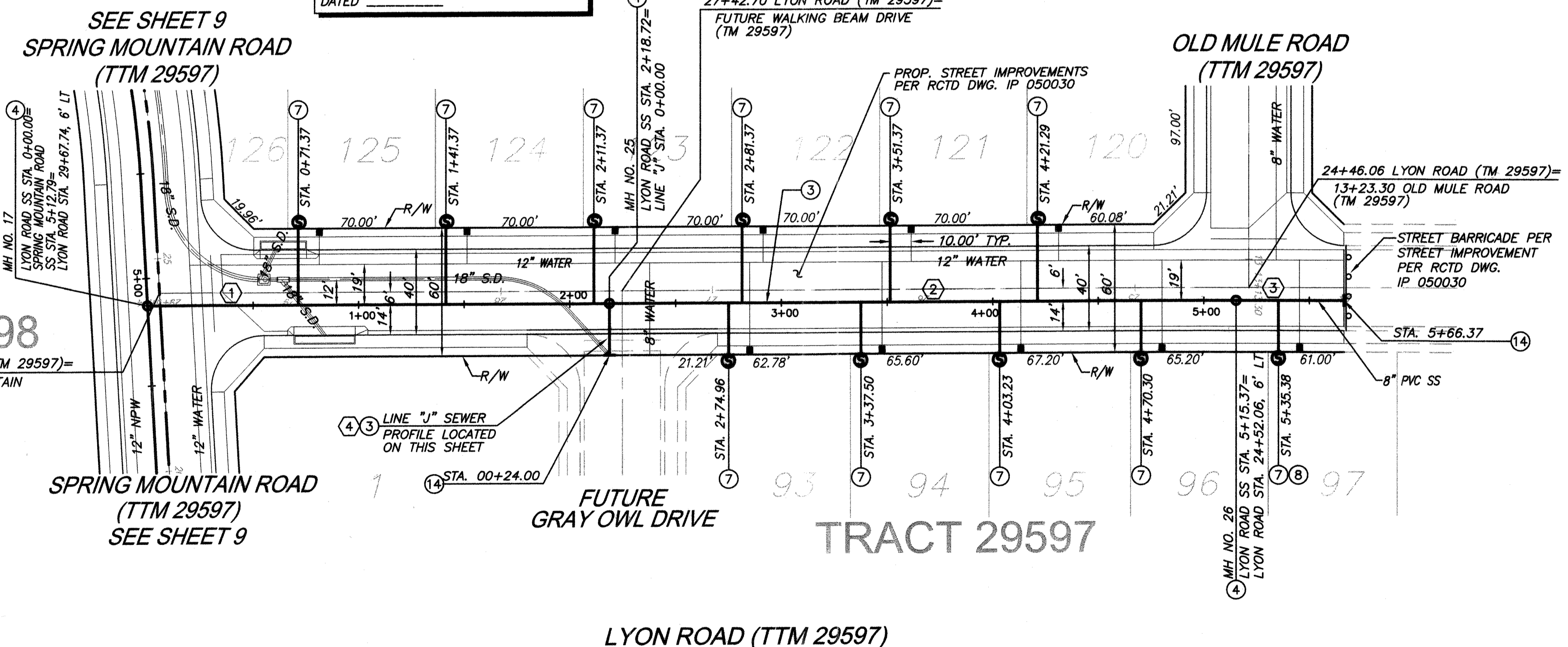
SANITARY SEWER DATA TABLE					
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	N56°00'00"W	-	218.72'	-	8" PVC
2	N56°00'00"W	-	296.65'	-	" "
3	N56°00'00"W	-	51.00'	-	" "
4	N34°00'00"E	-	24.00'	-	" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL

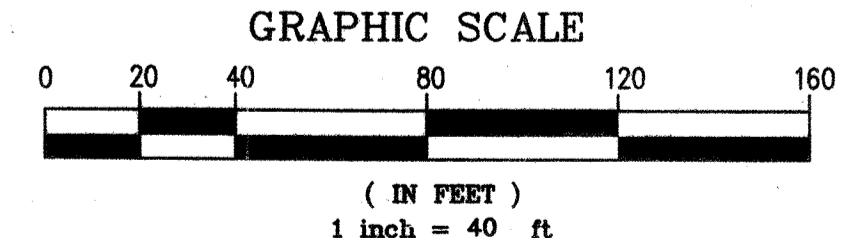
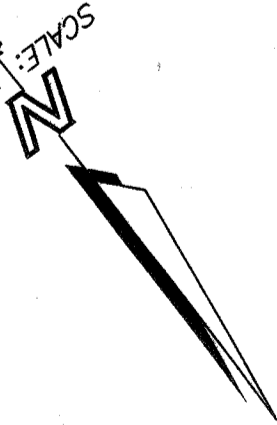
- CONSTRUCTION NOTES:
- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - ⑦ INSTALL 4" PVC (SDR 35) SEWER LATERAL W/ CLEANOUT PER CITY OF RIVERSIDE STD. DWG. NO. 562A.
  - ⑭ INSTALL 8" PLUG.

NOTE:  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS

NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_



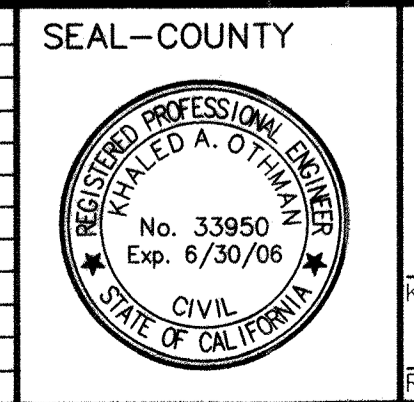
LYON ROAD (TTM 29597)



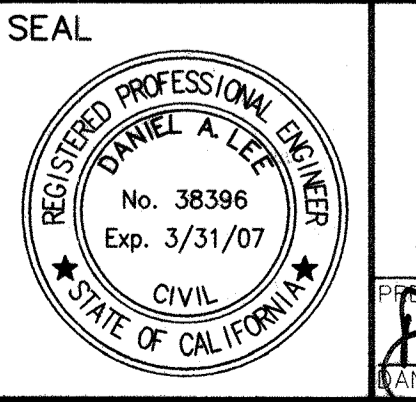
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTIBILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE



SEAL-COUNTY  
COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
RHALED A. OTHMAN DATE: \_\_\_\_\_  
RECOMMENDED BY PBS & J DATE: \_\_\_\_\_



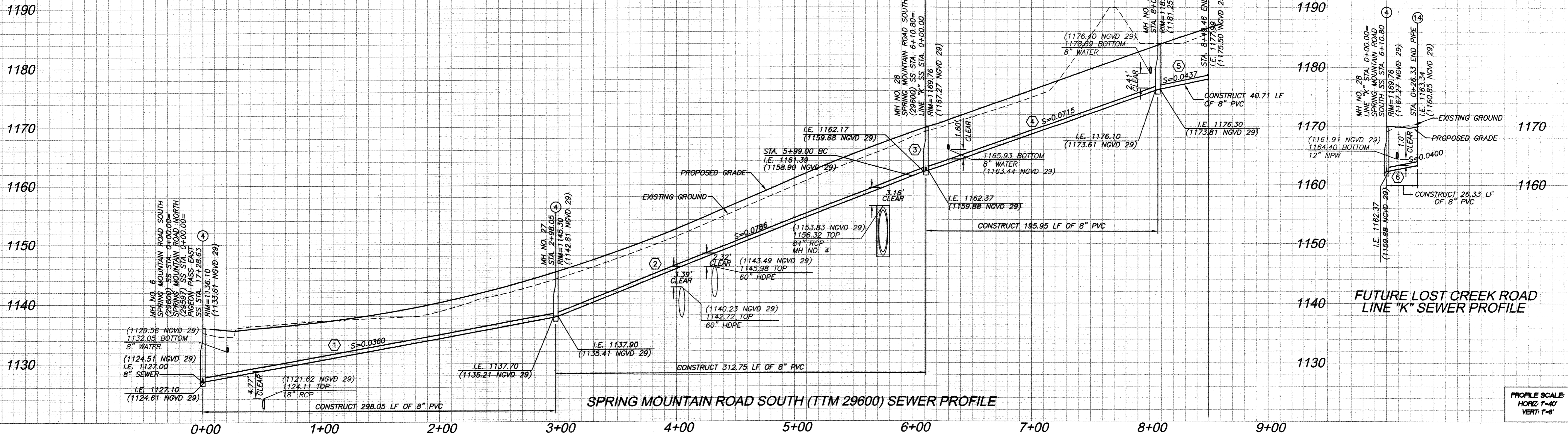
Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
PREPARED BY: Daniel A. Lee  
R.C.E. NO. 38396  
DATE: 2-4-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
CITY ENGINEER: [Signature] DATE: 10/21/06

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
LYON ROAD (TTM 29597)  
STA. 0+00 TO STA. 5+67.37  
SHEET NO. 12  
OF 26 SHTS.

FOR: \_\_\_\_\_ W.O. \_\_\_\_\_ COUNTY FILE NO. \_\_\_\_\_  
INDEXED 5-02-07 LPH

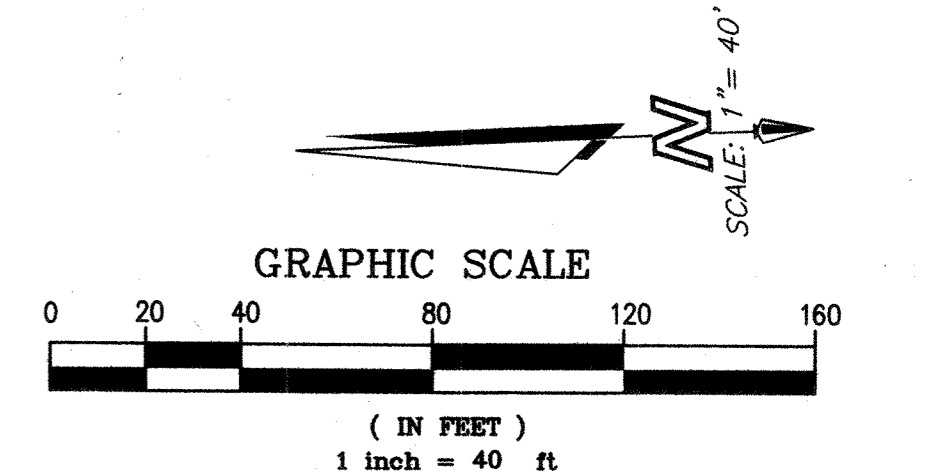
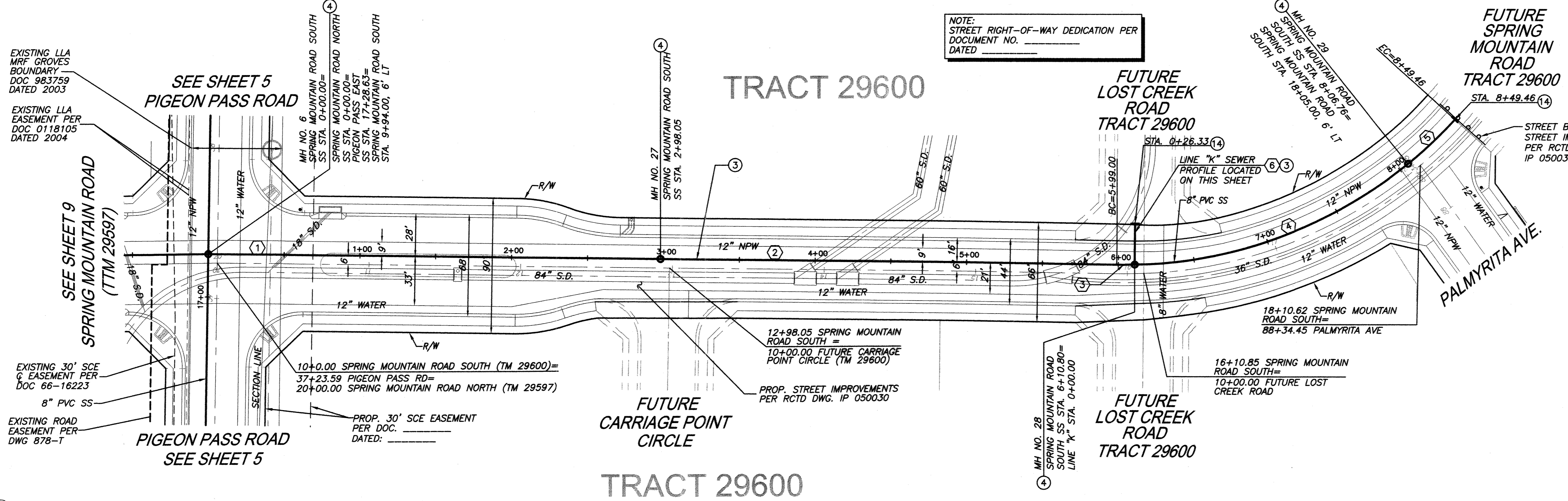


SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	S00°53'23\"/>				

NOTE:  
 ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
 ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

- CONSTRUCTION NOTES:**
- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - ⑤ INSTALL 8" PLUG.

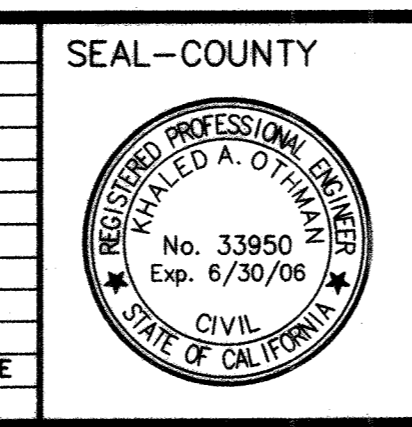
**NOTE:**  
 ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
 ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



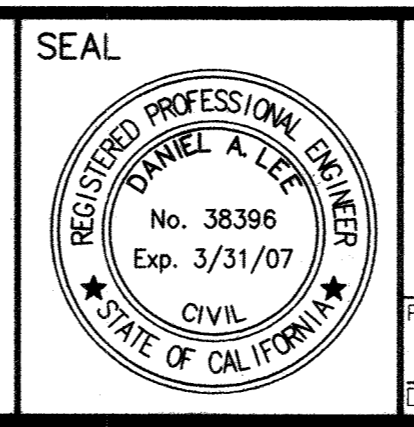
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR. DATE	COUNTY



COUNTY OF RIVERSIDE  
 TRANSPORTATION DEPARTMENT  
 APPROVED BY:  
 KHALED A. OTHMAN DATE: \_\_\_\_\_  
 RECOMMENDED BY: P.B.S. & J. DATE: \_\_\_\_\_



Stantec Consulting, Inc.  
 277 Rancheros Drive Suite 300  
 San Marcos, CA 92069  
 Tel. (760) 891-3200  
 Fax. (760) 891-3201  
 www.stantec.com

PREPARED BY: *[Signature]*  
 R.C.E. NO. 38396  
 DATE: 2-1-06

CITY OF RIVERSIDE  
 RECOMMENDS APPROVAL  
*[Signature]* 10/27/06  
 CITY ENGINEER DATE

CITY OF RIVERSIDE DRAWING # S-1896  
 WDID No. 833C327881 PW06-0020

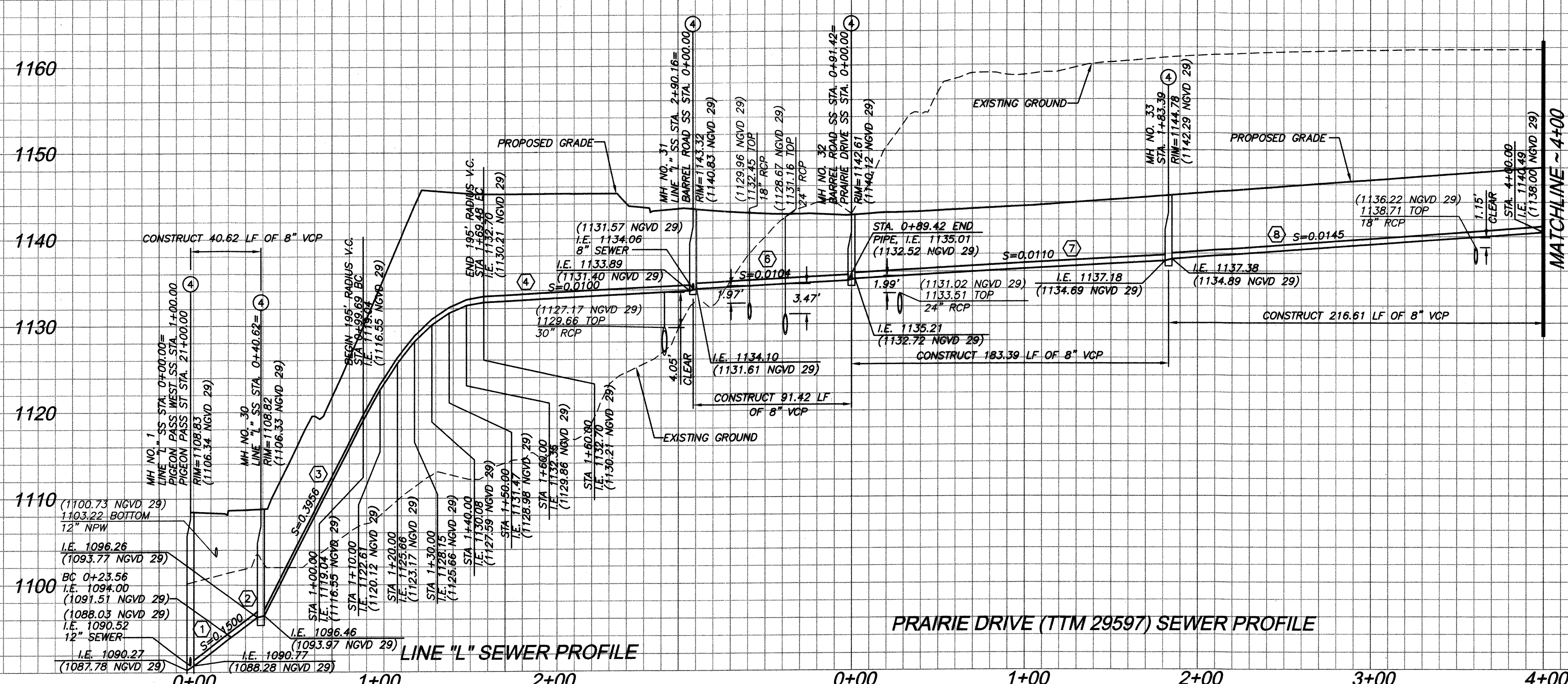
COUNTY OF RIVERSIDE  
 C.F.D. SEWER IMPROVEMENT PLANS  
 SPRING MOUNTAIN RANCH  
 BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
 29592, 29593, 29600, 29740  
 MS 4013  
**SPRING MOUNTAIN ROAD SOUTH (TTM 29600)**  
**STA. 0+00 TO STA. 8+49.46**

SHEET NO. 13 OF 26 SHTS.

INDEXED S-02-07 left

1160  
1150  
1140  
1130  
1120  
1110  
1100

1160  
1150  
1140  
1130  
1120  
1110  
1100



FUTURE BARREL ROAD LINE "M" SEWER PROFILE

PRAIRIE DRIVE (TTM 29597) SEWER PROFILE

PROFILE SCALE:  
HORIZ: 1"=40'  
VERT: 1"=8'

SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	S33°47'18"E		33.03'		8" VCP
2	02°53'58"	150.00'	7.59'	3.80'	" "
3	37°58'10"	150.00'	99.40'	51.60'	" "
4	N07°04'53"E		150.14'		" "
5	N82°55'26"W		10.00'		" "
6	N82°55'26"W		91.42'		" "
7	N00°37'43"E		183.39'		" "
8	N00°37'43"E		216.61'		" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL

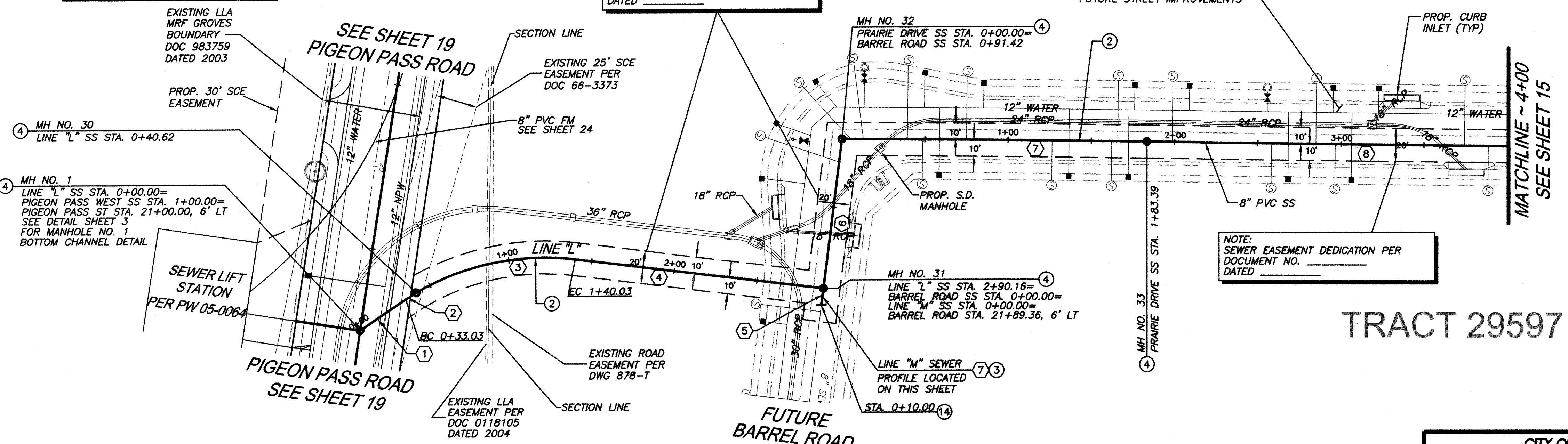
- CONSTRUCTION NOTES:
- ② INSTALL 8" VCP SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452
  - ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - ④ INSTALL 8" PLUG.

NOTE:  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS

NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

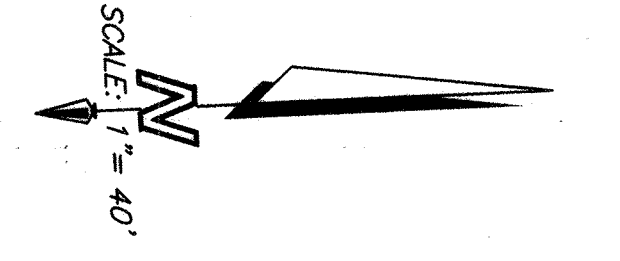
NOTE:  
SEWER EASEMENT DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

NOTE:  
SEWER EASEMENT DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_



TRACT 29597

FUTURE PRAIRIE DRIVE (TTM 29597)



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY  
REGISTERED PROFESSIONAL ENGINEER  
No. 33950  
Exp. 6/30/06  
CIVIL  
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN  
DATE: \_\_\_\_\_

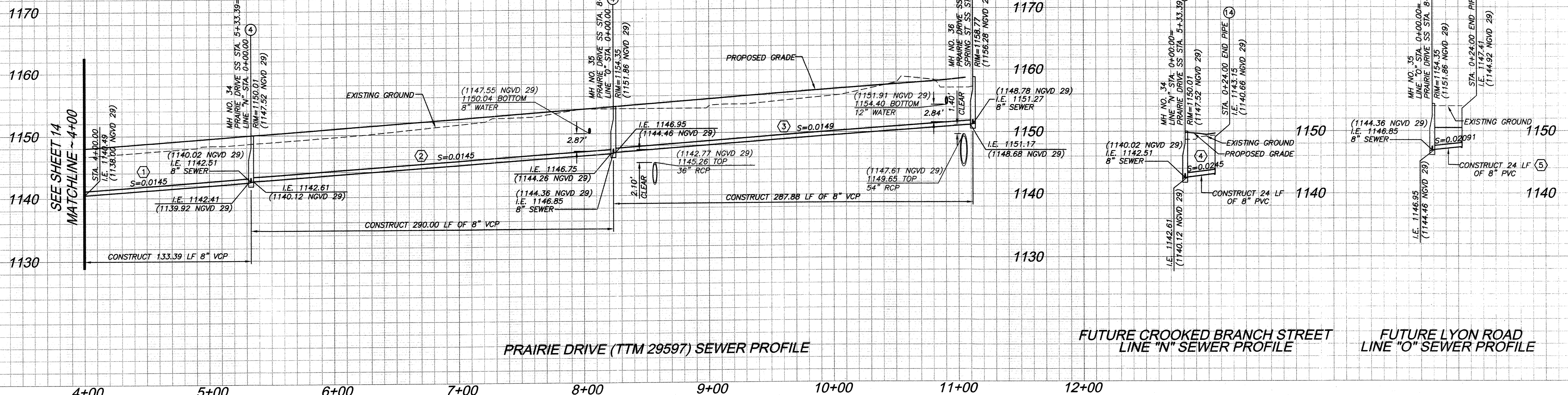
SEAL  
REGISTERED PROFESSIONAL ENGINEER  
DANIEL A. LEE  
No. 38396  
Exp. 3/31/07  
CIVIL  
STATE OF CALIFORNIA

Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
PREPARED BY: Daniel A. Lee  
R.C.E. NO. 38396  
DATE: 6-27-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
Tom Bjel  
CITY ENGINEER  
DATE: 10/2/08

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881  
PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
PRAIRIE DRIVE (TTM 29597)  
STA. 0+00 TO STA. 4+00  
SHEET NO. 14  
OF 26 SHTS.



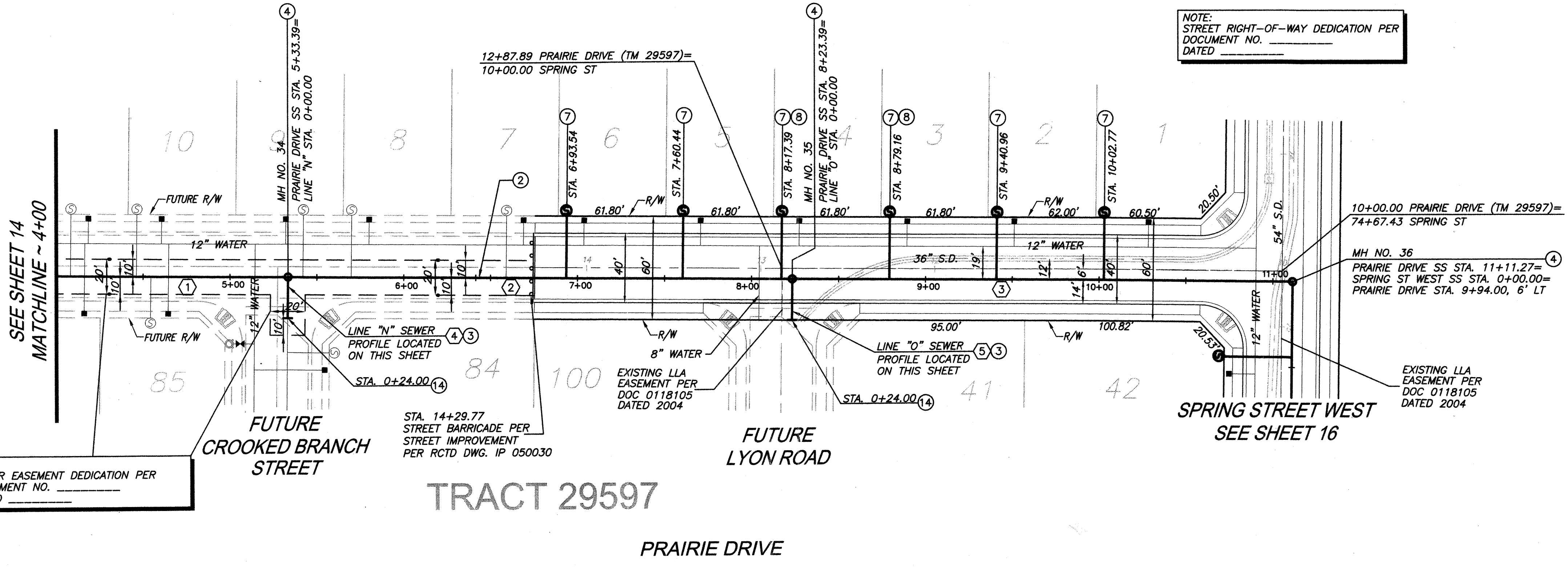
SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	N00°37'43"E	-	133.39'	-	8" VCP
2	N00°37'43"E	-	290.00'	-	" "
3	N00°37'43"E	-	287.88'	-	" "
4	S89°22'17"E	-	24.00'	-	8" PVC
5	S89°22'17"E	-	24.00'	-	" "

**NOTE:**  
 ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
 ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

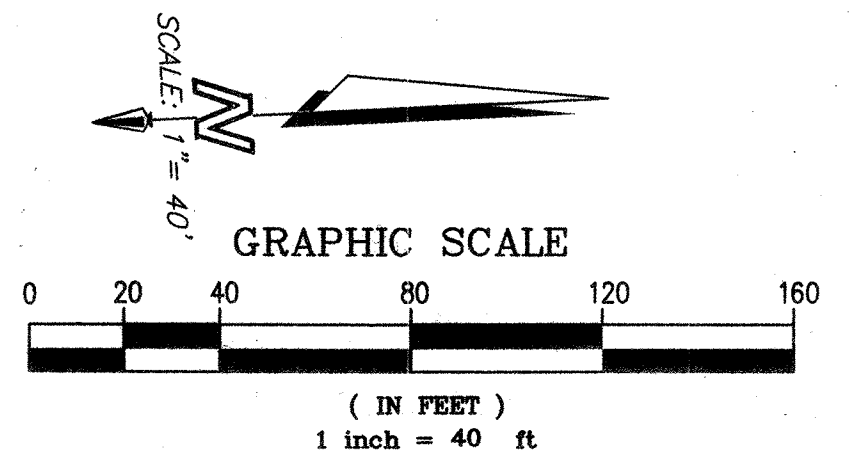
**CONSTRUCTION NOTES:**

- INSTALL 8" VCP SEWER MAIN, BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
- INSTALL 8" PVC (SDR 35) SEWER MAIN, BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
- CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
- INSTALL 4" PVC (SDR 35) SEWER LATERAL W/ CLEANOUT PER CITY OF RIVERSIDE STD. DWG. NO. 562A.
- BACKWATER VALVE
- INSTALL 8" PLUG.

**NOTE:**  
 ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS.  
 ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS.



**NOTE:**  
 STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. DATED



**NOTE:** WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE  
 TRANSPORTATION DEPARTMENT  
 APPROVED BY:

KHALED A. OTHMAN

SEAL

REGISTERED PROFESSIONAL ENGINEER  
 DANIEL A. LEE  
 No. 33996  
 Exp. 6/30/06  
 CIVIL  
 STATE OF CALIFORNIA

Stantec Consulting, Inc.  
 277 Rancheros Drive Suite 300  
 San Marcos, CA 92069

Tel. (760) 891-3200  
 Fax. (760) 891-3201  
 www.stantec.com

PREPARED BY: Daniel A. Lee  
 R.C.E. NO. 38396  
 DATE: 2-4-06

CITY OF RIVERSIDE  
 RECOMMENDS APPROVAL

John Byrd 10/22/06  
 CITY ENGINEER DATE

SEE SHEET 1 FOR BENCHMARK DATA

SCALE: HOR: 1"=40' VERT: 1"=8'

CITY OF RIVERSIDE DRAWING # S-1896

WDID No. 833C327881 PW06-0020

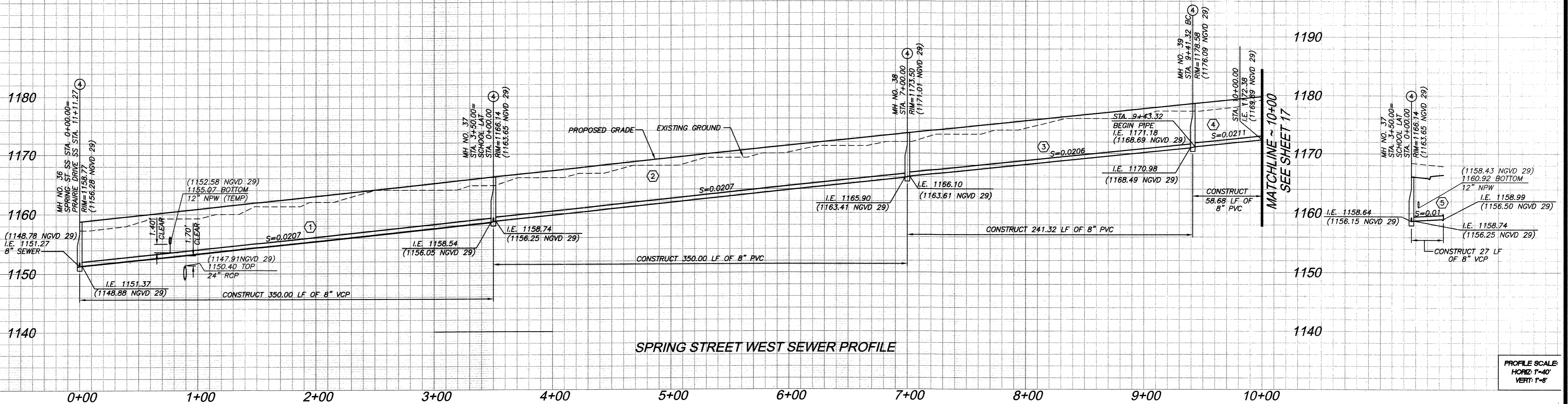
COUNTY OF RIVERSIDE  
 C.F.D. SEWER IMPROVEMENT PLANS  
 SPRING MOUNTAIN RANCH  
 BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
 29592, 29599, 29600, 29740  
 MS 4013

**PRAIRIE DRIVE (TTM 29597)**  
**STA. 4+00 TO STA. 11+12.7**

SHEET NO. 15 OF 26 SHTS.

FOR: W.O. COUNTY FILE NO.

INDEXED S-02-07



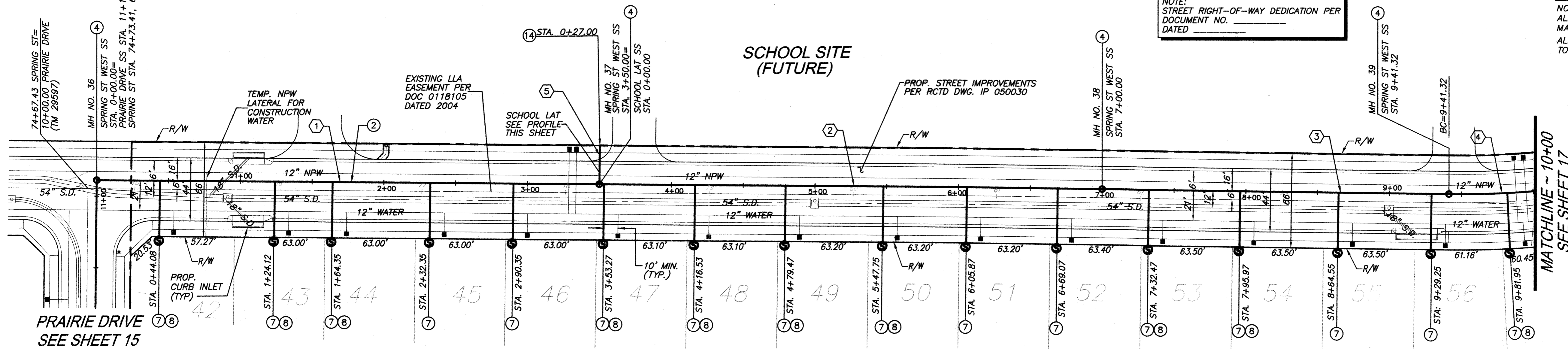
SPRING STREET WEST SEWER PROFILE

PROFILE SCALE  
HORIZ 1"=40'  
VERT 1"=8'

SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	S89°17'25"E	-	350.00'	-	8" PVC
2	S89°17'25"E	-	350.00'	-	8" PVC
3	S89°17'25"E	-	241.33'	-	8" PVC
4	A=05°39'34"	594.00'	58.67'	29.36'	8" PVC
5	N00°42'35"E	-	27.00'	-	8" PVC

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_



TRACT 29597

SPRING STREET WEST

NOTE:

ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS

ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS

CONSTRUCTION NOTES:

- ② INSTALL 8" VCP SEWER MAIN, BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
- ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
- ⑦ INSTALL 4" PVC (SDR 35) SEWER LATERAL W/ CLEANOUT PER CITY OF RIVERSIDE STD. DWG. NO. 562A.
- ⑧ BACKWATER VALVE
- ⑭ INSTALL 8" PLUG.



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE	COUNTY



COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN DATE: \_\_\_\_\_

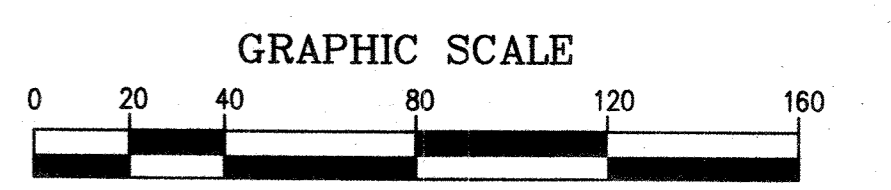


Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
R.C.E. NO. 38396  
DATE: 2-4-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
CITY ENGINEER: *Tom Bed* DATE: 6/22/06

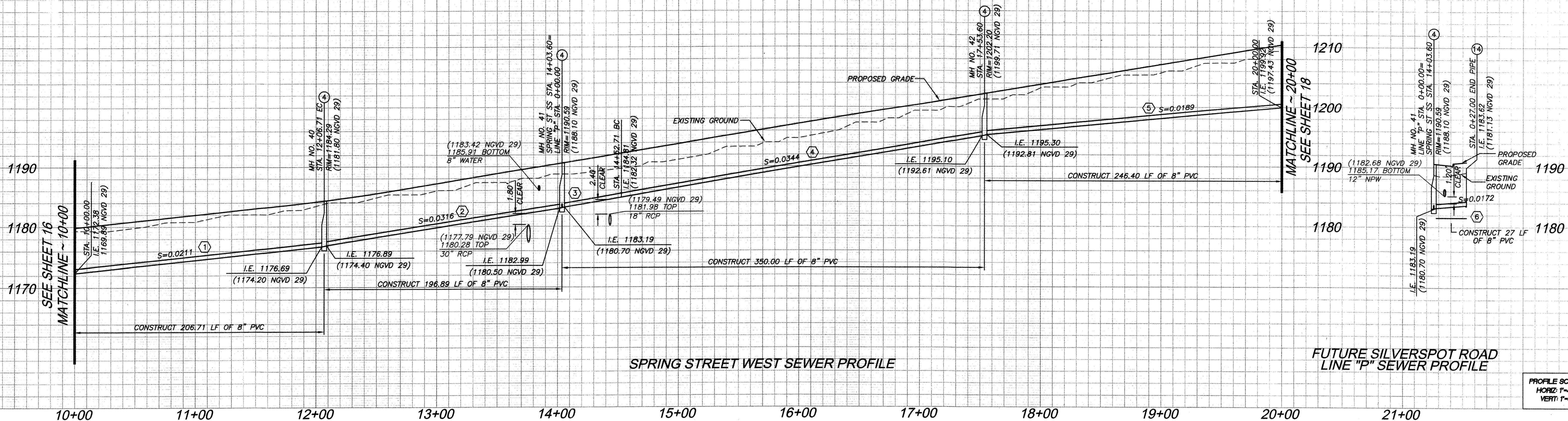
CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
SPRING STREET WEST  
STA. 0+00 TO STA. 10+00  
SHEET NO. 16 OF 26 SHTS.



INDEXED 5-02-07 left



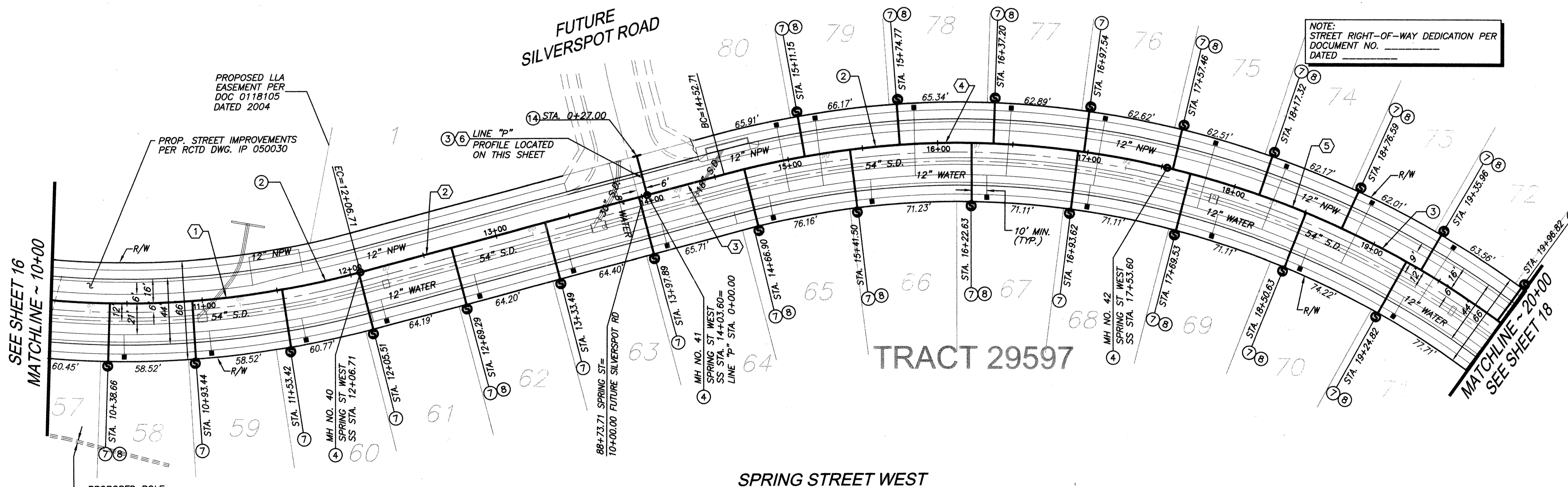


SPRING STREET WEST SEWER PROFILE

FUTURE SILVERSPOT ROAD LINE "P" SEWER PROFILE

PROFILE SCALE:  
HORIZ: 1"=40'  
VERT: 1"=8'

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00



SPRING STREET WEST

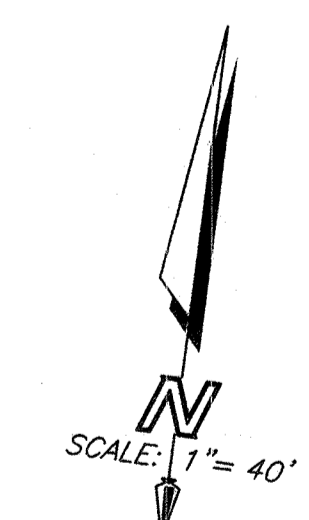
NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER  
DOCUMENT NO. \_\_\_\_\_  
DATED \_\_\_\_\_

NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	A=19°56'22"	594.00	206.71	104.41	8" PVC
2	N65°06'39" E	-	196.89	-	" "
3	N65°06'39" E	-	52.71	-	" "
4	A=28°06'29"	606.00	297.29	151.70	" "
5	A=32°07'07"	606.00	339.71	174.45	" "
6	N24°53'21" W	-	27.00	-	" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF  
MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL  
TO INSIDE MANHOLE WALL

CONSTRUCTION NOTES:

- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
- ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
- ⑦ INSTALL 4" PVC (SDR 35) SEWER LATERAL W/ CLEANOUT PER CITY OF RIVERSIDE STD. DWG. NO. 562A.
- ⑧ BACKWATER VALVE
- ⑩ INSTALL 8" PLUG.



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS

APPR	DATE

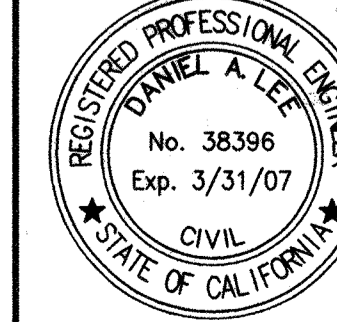
SEAL-COUNTY



COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:

RHALED A. OTHMAN DATE: \_\_\_\_\_  
RECOMMENDED BY PBS & J DATE: \_\_\_\_\_

SEAL



NOTE:  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



PREPARED BY: Daniel A. Lee  
DATE: 2-4-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
CITY ENGINEER: [Signature] DATE: 10/27/06

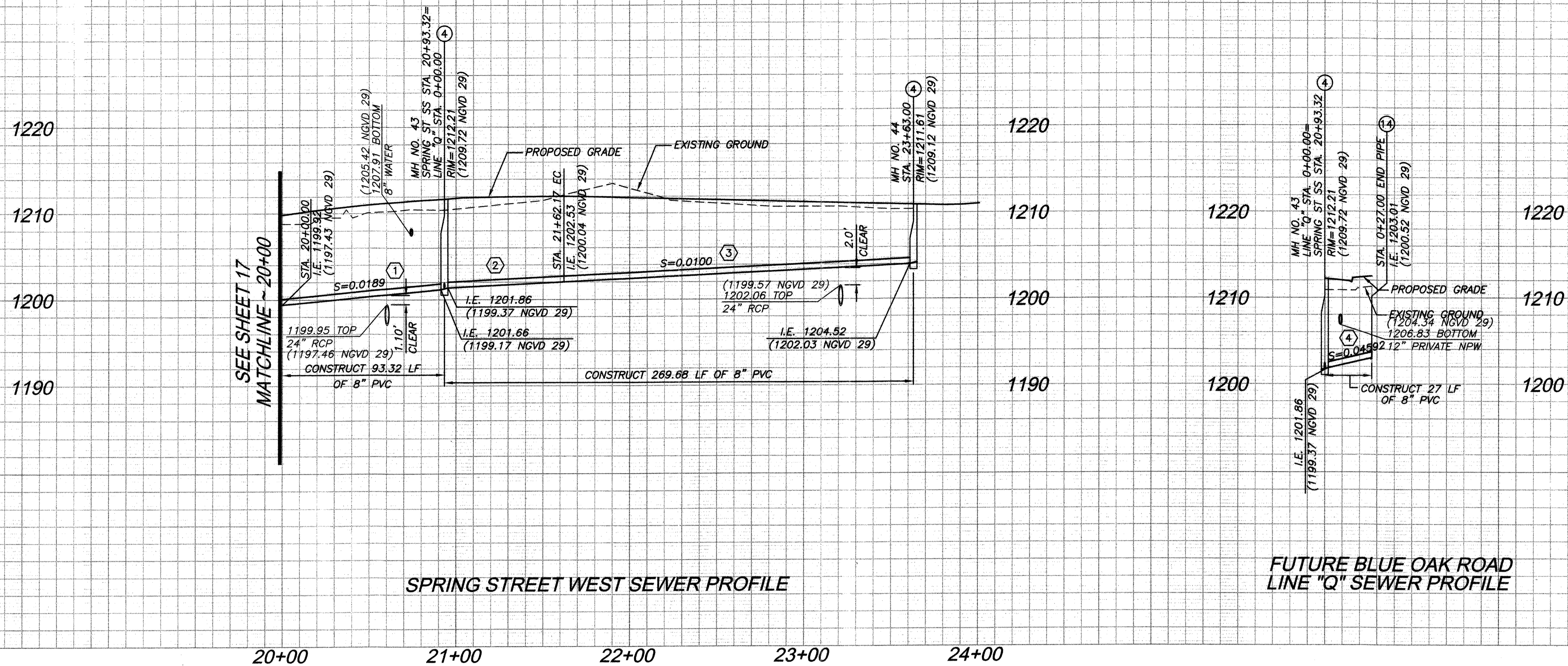
SEE SHEET 1 FOR BENCHMARK DATA  
SCALE: HOR: 1"=40' VERT: 1"=8'

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
SPRING STREET WEST  
STA. 10+00 TO STA. 20+00  
SHEET NO. 17  
OF 26 SHTS.

FOR: W.O. COUNTY FILE NO.

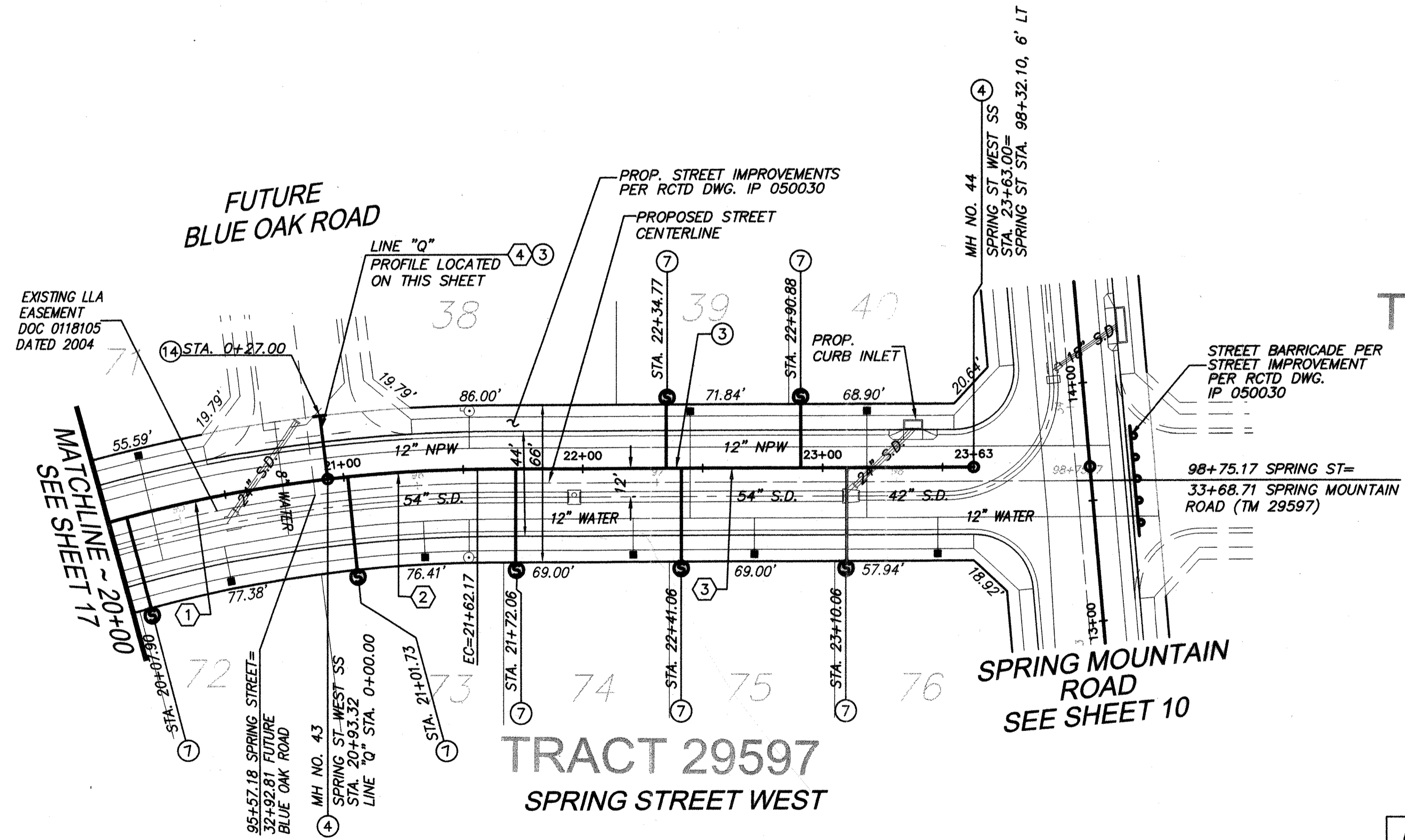
INDEXED 5-02-07 (4)



SPRING STREET WEST SEWER PROFILE

FUTURE BLUE OAK ROAD LINE "Q" SEWER PROFILE

PROFILE SCALE  
HORIZ: 1"=40'  
VERT: 1"=8'



TRACT 29598

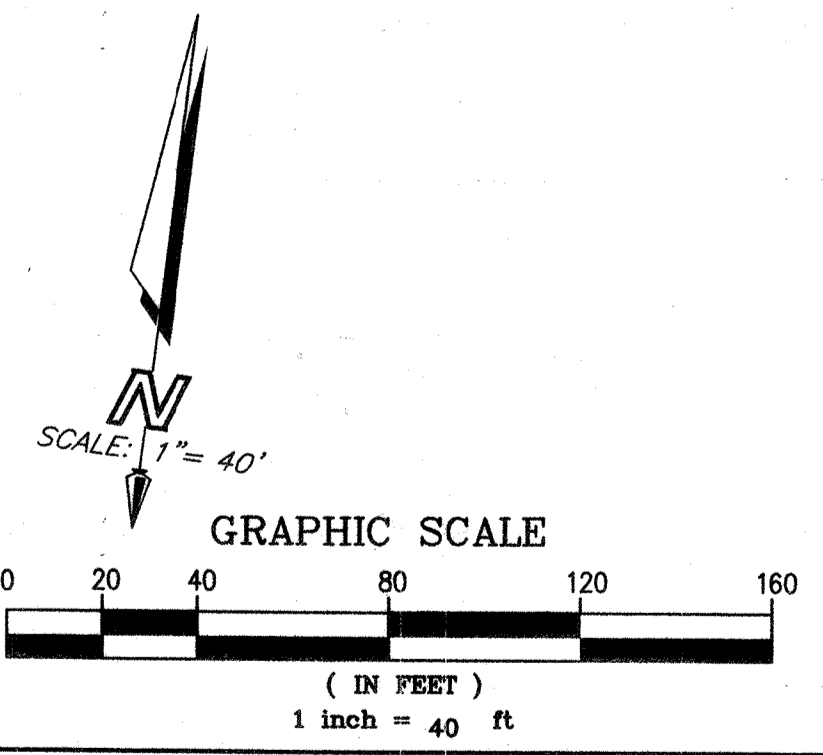
TRACT 29597  
SPRING STREET WEST

SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	A=08°49'24"	606.00'	93.32'	46.75'	8" PVC
2	A=06°30'30"	606.00'	68.84'	34.46'	" "
3	S48°07'24"E	-	200.51'	-	" "
4	N34°46'16"E	-	27.00'	-	" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

CONSTRUCTION NOTES:

- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
- ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
- ⑦ INSTALL 4" PVC (SDR 35) SEWER LATERAL W/ CLEANOUT PER CITY OF RIVERSIDE STD. DWG. NO. 562A.
- ⑭ INSTALL 8" PLUG.



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:

REGISTERED PROFESSIONAL ENGINEER  
No. 33950  
Exp. 6/30/06  
CIVIL  
STATE OF CALIFORNIA

RECOMMENDED BY PBS & J

NOTE:  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS

SEAL

REGISTERED PROFESSIONAL ENGINEER  
DANIEL A. LEE  
No. 38396  
Exp. 3/31/07  
CIVIL  
STATE OF CALIFORNIA

Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com

R.C.E. NO. 38396  
DATE: 2-4-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL

*Tom Boyd* 10/23/06  
CITY ENGINEER DATE

SEE SHEET 1 FOR BENCHMARK DATA

SCALE: HOR: 1"=40' VERT: 1"=8'

CITY OF RIVERSIDE DRAWING # S-1896

WDID No. 833C327881 PW06-0020

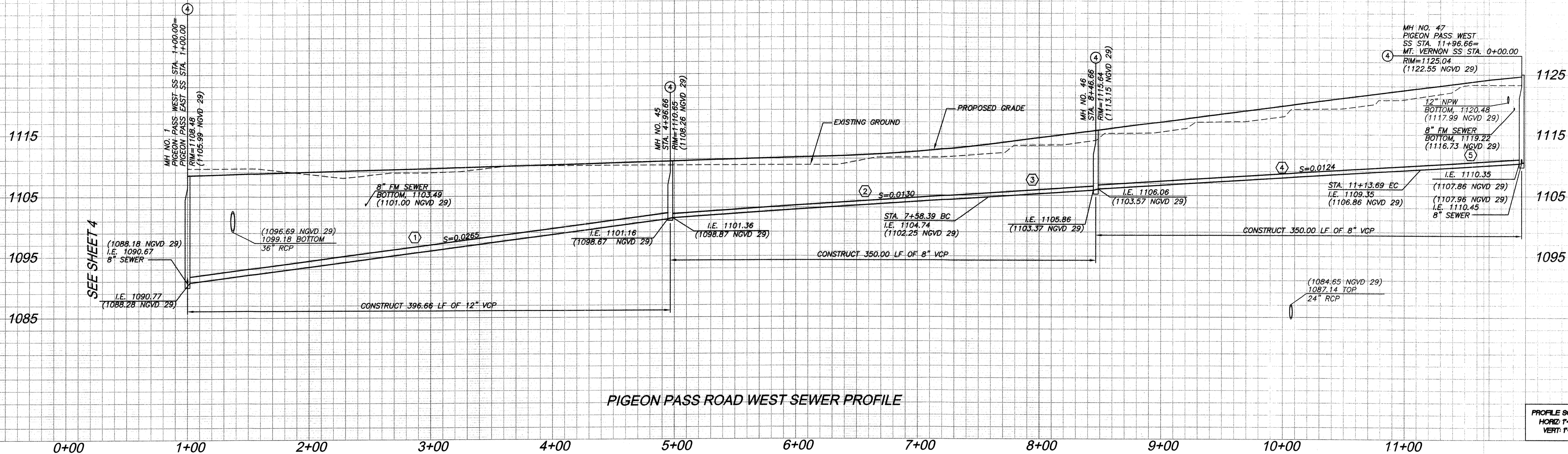
COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013

SPRING STREET WEST  
STA. 20+00 TO STA. 23+03

SHEET NO. 18 OF 26 SHTS.

FOR: W.O. COUNTY FILE NO.

INDEXED S-02-07 Lft



PIGEON PASS ROAD WEST SEWER PROFILE

PROFILE SCALE  
HORIZ: 1"=40'  
VERT: 1"=8'

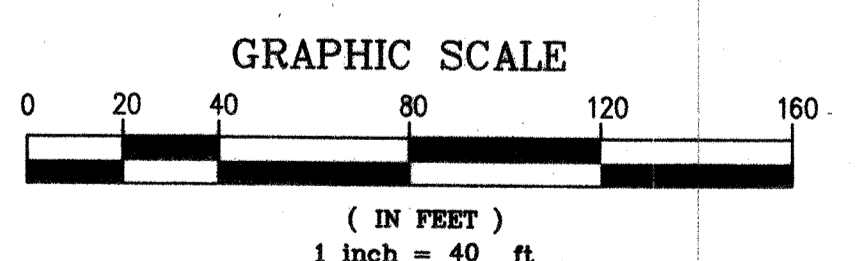
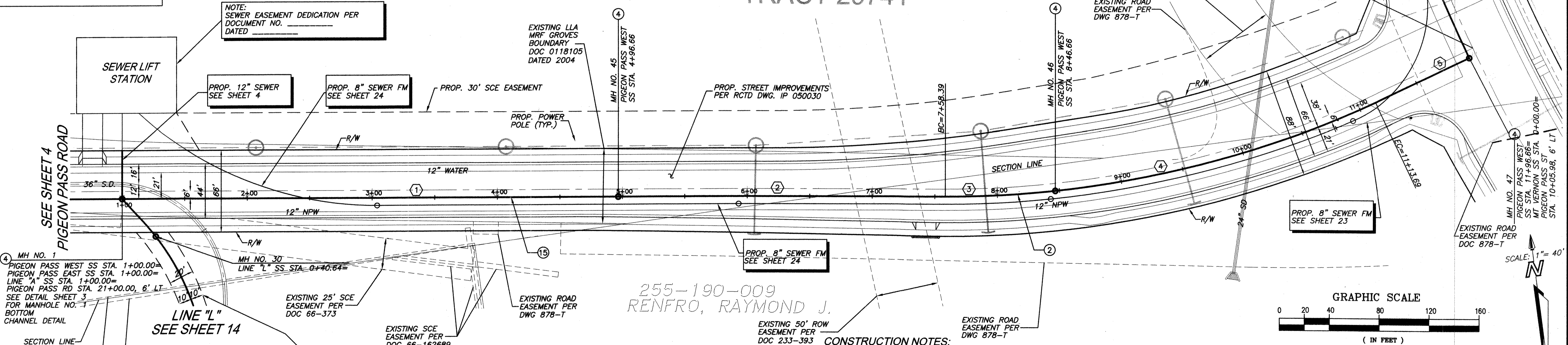
**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS

NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	N81°21'12" W	-	396.66	-	12" VCP
2	N81°21'12" W	-	251.73	-	8" VCP
3	Δ=06°16'23"	806.00'	88.27'	44.18'	" "
4	Δ=18°58'56"	806.00'	267.03'	134.75'	" "
5	S73°23'23" W	-	82.97'	-	" "

**NOTE:**  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL

**NOTE:**  
STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

TRACT 29741



- CONSTRUCTION NOTES:**
- ② INSTALL 8" VCP SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - ⑤ INSTALL 12" VCP SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
*Tom Boyd* 4/2/06  
CITY ENGINEER DATE

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020



**NOTE:** WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.  
THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY  
REGISTERED PROFESSIONAL ENGINEER  
KHALED A. OTHMAN  
No. 33950  
Exp. 6/30/06  
CIVIL  
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN DATE: \_\_\_\_\_  
RECOMMENDED BY PBS & J DATE: \_\_\_\_\_

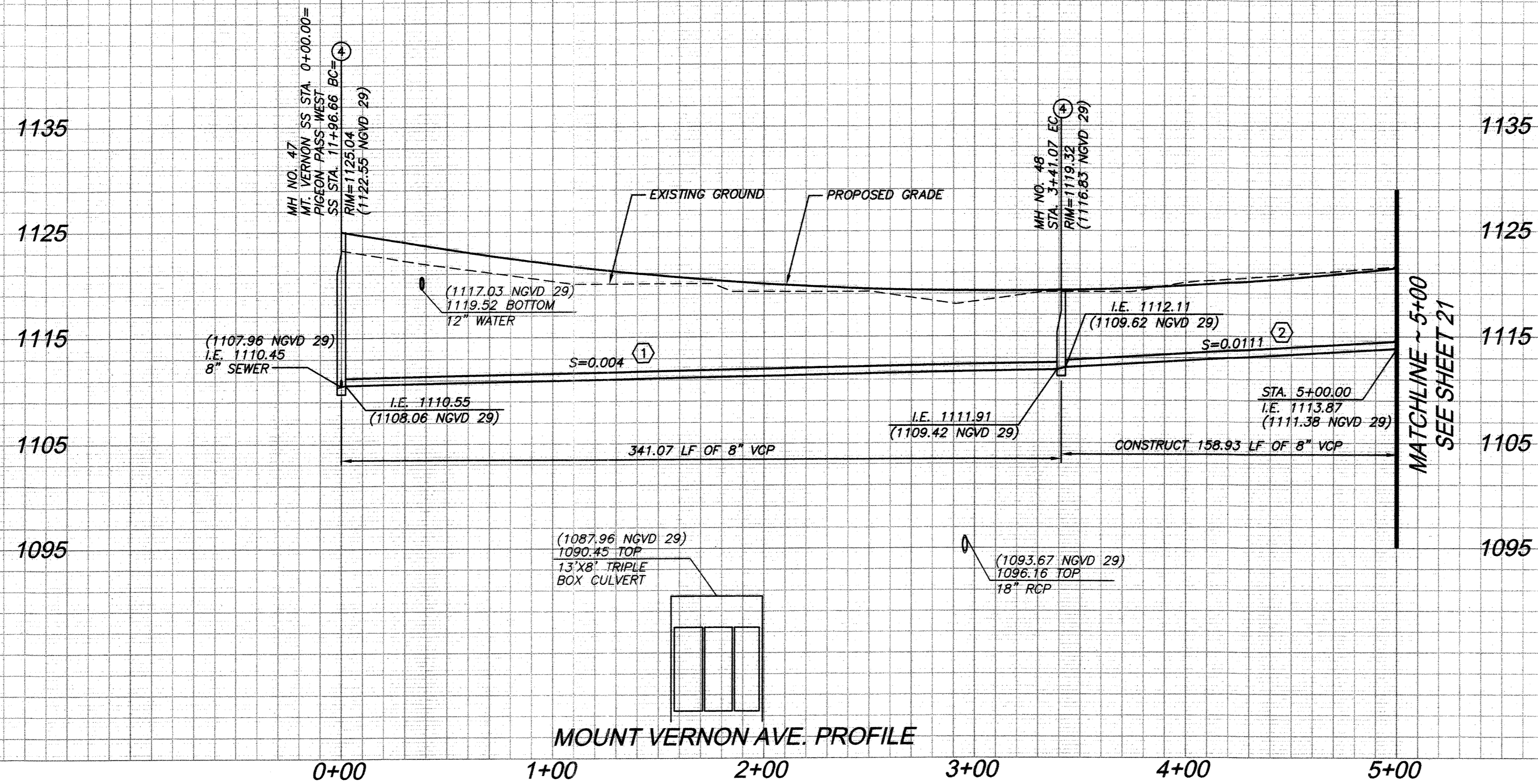
SEAL  
REGISTERED PROFESSIONAL ENGINEER  
DANIEL A. LEE  
No. 38396  
Exp. 3/31/07  
CIVIL  
STATE OF CALIFORNIA

Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
R.C.E. NO. 38396  
DATE: 2-4-06

SEE SHEET 1 FOR BENCHMARK DATA  
SCALE: HOR: 1"=40' VERT: 1"=8'

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
PIGEON PASS ROAD WEST  
STA. 1+00 TO STA. 11+98.66  
SHEET NO. 19 OF 26 SHTS.  
FOR: W.O. COUNTY FILE NO.

INDEXED 5-02-07 LHM



PROFILE SCALE  
HORIZ: 1"=40'  
VERT: 1"=8'

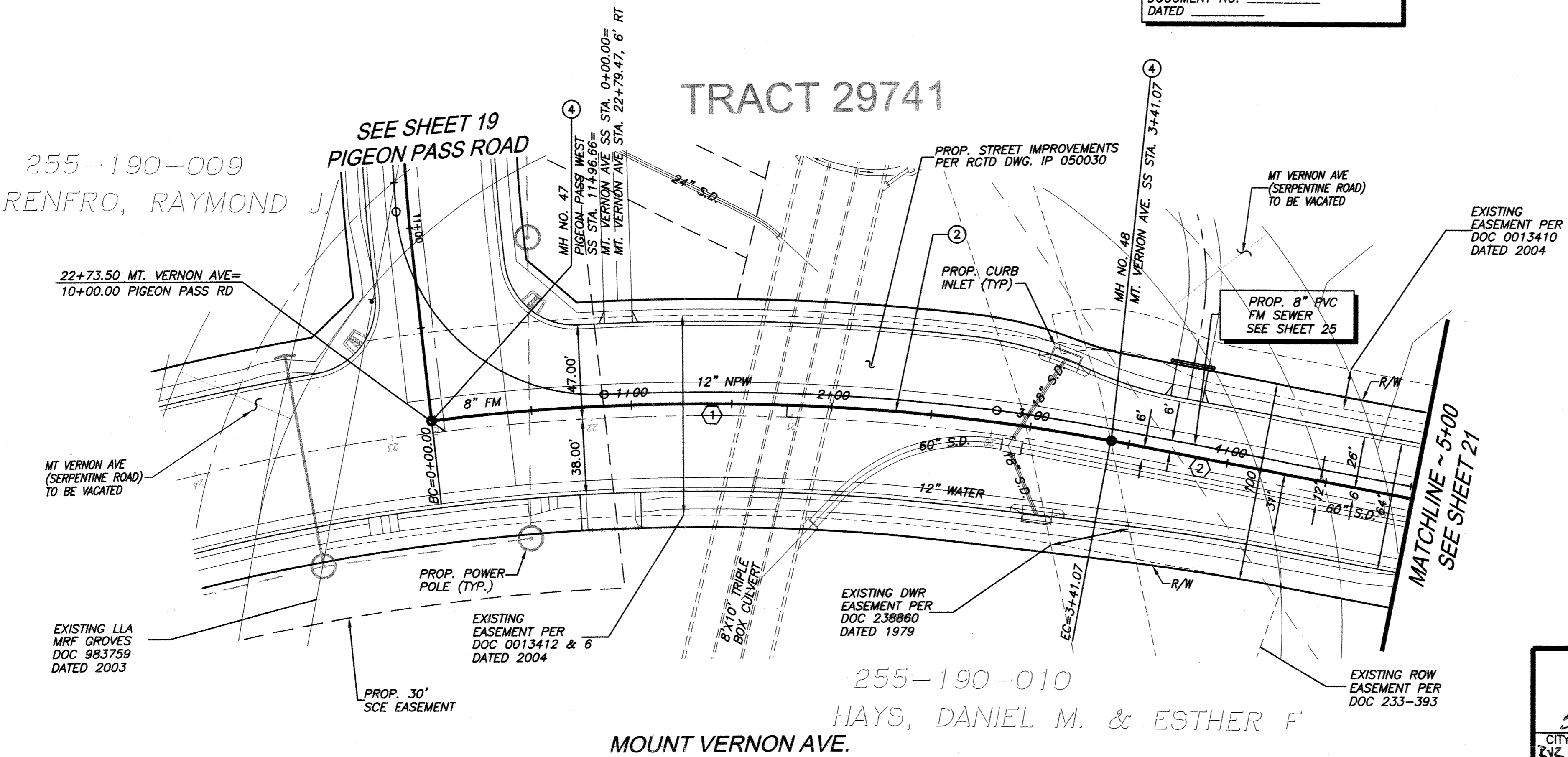
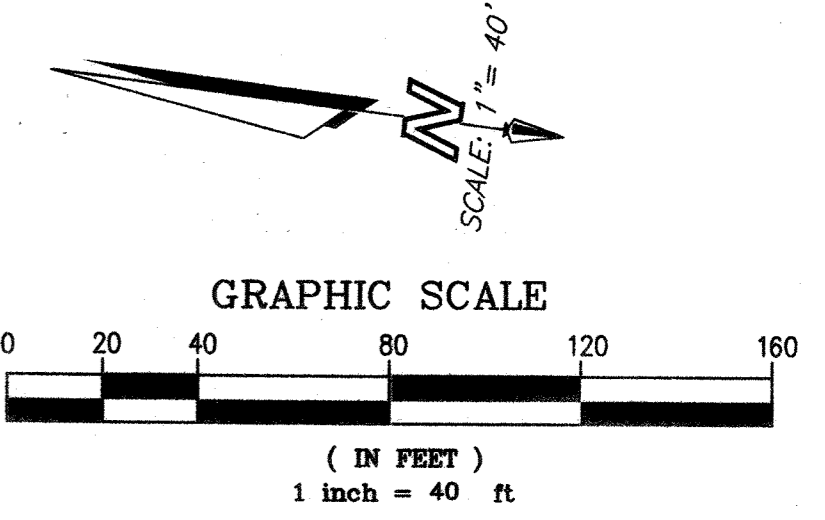
NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER  
DOCUMENT NO. \_\_\_\_\_  
DATED \_\_\_\_\_

SANITARY SEWER DATA TABLE					
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	A=17°40'08"	1106.00'	341.07'	171.90'	8" VCP
2	S00°44'52"W	-	158.93'	-	" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

- CONSTRUCTION NOTES:**
- ② INSTALL 8" VCP SEWER MAIN, BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.

**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
*[Signature]* 10/2/06  
CITY ENGINEER DATE

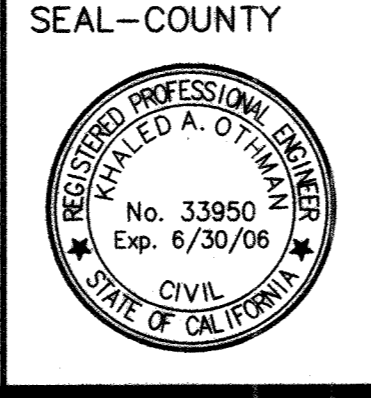
THIS SHEET HAS CFD FACILITIES  
CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020



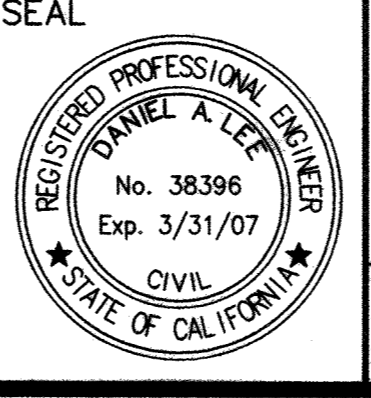
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE



SEAL-COUNTY  
COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN DATE: \_\_\_\_\_

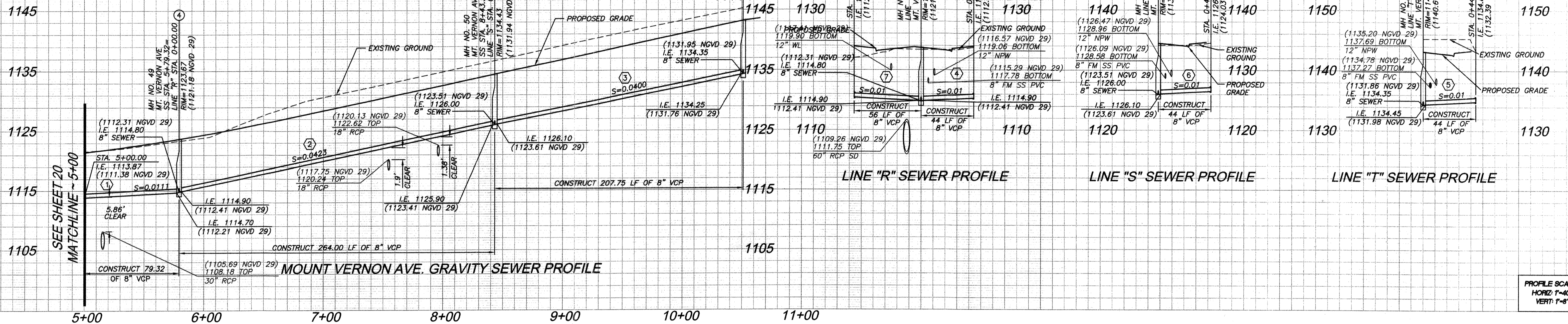


SEAL  
PREPARED BY: *[Signature]*  
R.C.E. NO. 38396  
DATE: 2-4-06

SEE SHEET 1 FOR BENCHMARK DATA  
SCALE: HOR: 1"=40' VERT: 1"=8'

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
MOUNT VERNON AVE.  
STA. 0+00 TO STA. 5+00  
SHEET NO. 20 OF 26 SHTS.

INDEXED 5-02-07 lft

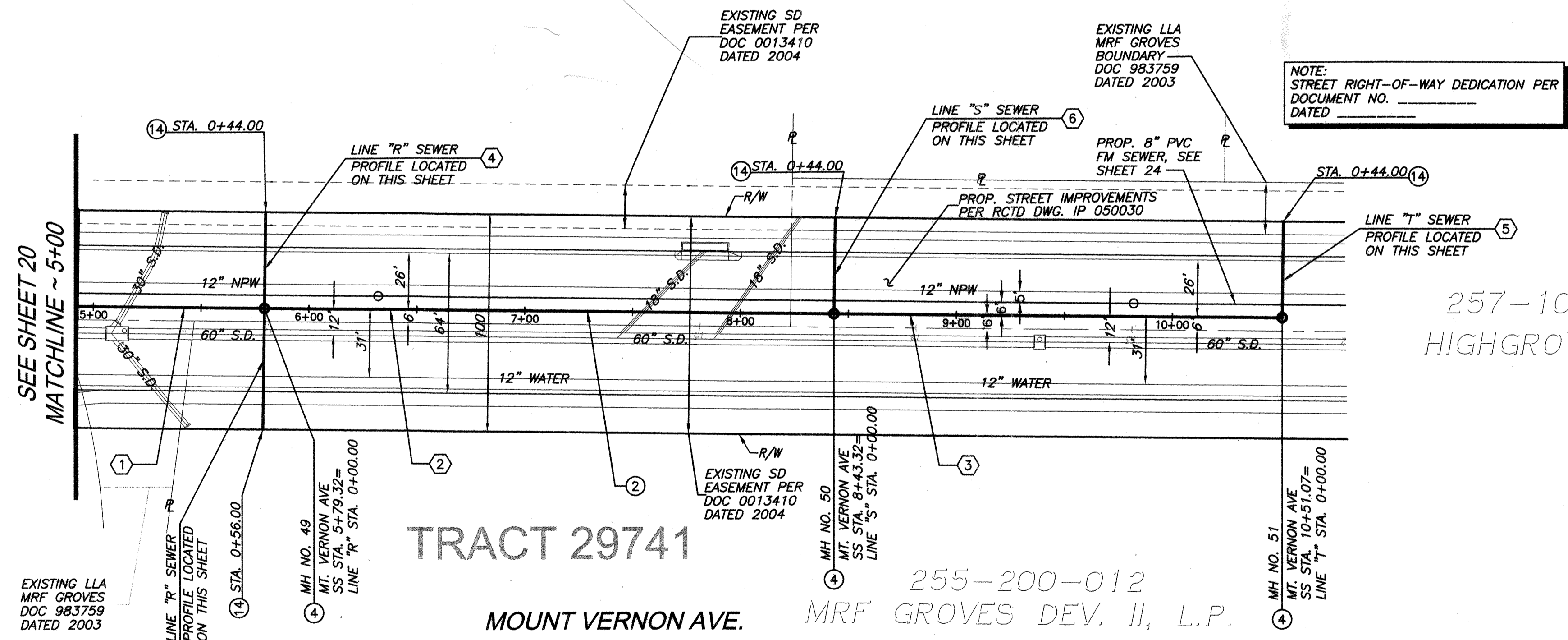
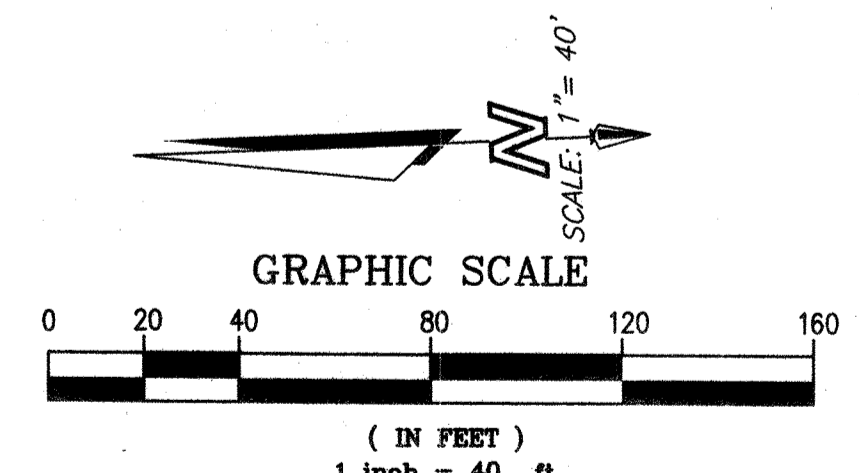


SANITARY SEWER DATA TABLE						
NO.	BEARING	DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	S00°44'52"W	-	-	79.32'	-	8" VCP
2	S00°44'52"W	-	-	121.75'	-	" "
3	S00°44'52"W	-	-	350.00'	-	" "
4	S89°15'08"E	-	-	44.00'	-	8" VCP
5	S89°15'08"E	-	-	44.00'	-	" "
6	S89°15'08"E	-	-	44.00'	-	" "
7	S89°15'08"E	-	-	56.00'	-	" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL

- CONSTRUCTION NOTES:**
- ② INSTALL 8" VCP SEWER MAIN, BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - ⑭ INSTALL 8" PLUG.

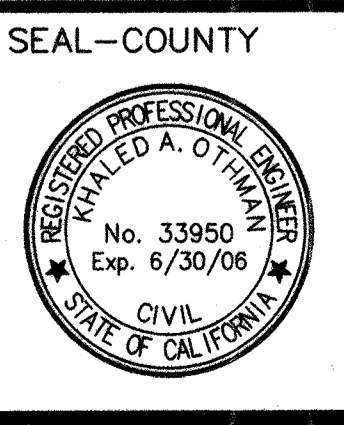
**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



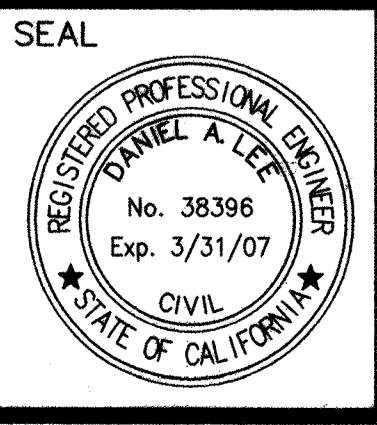
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE



COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN  
DATE: \_\_\_\_\_



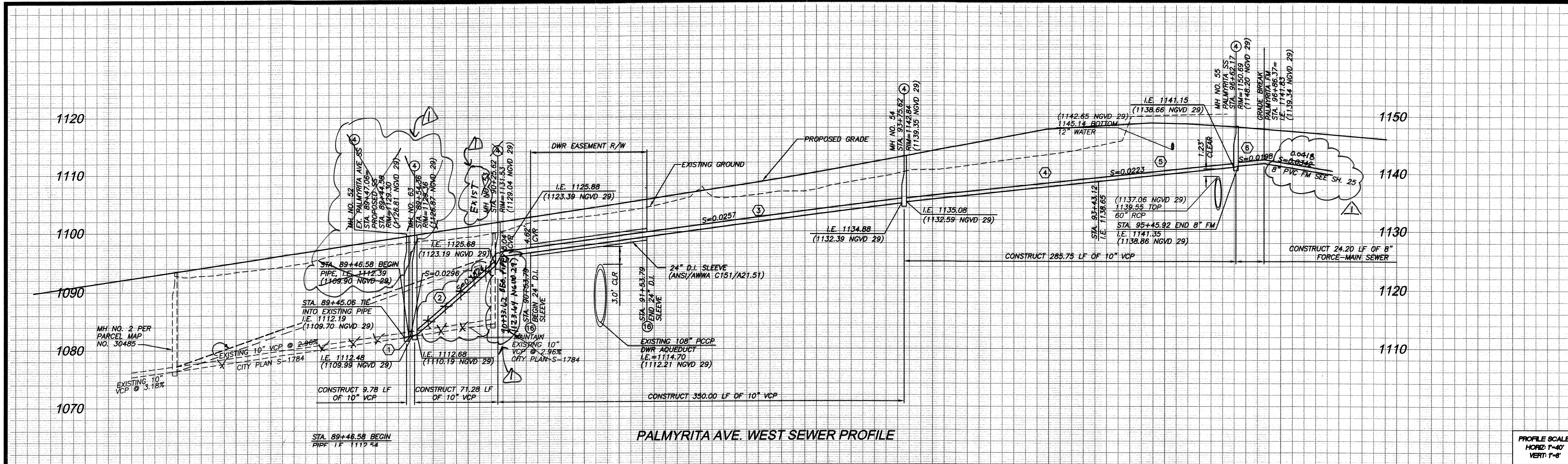
Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
R.C.E. NO. 38396  
DATE: 2-7-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
10/21/06  
CITY ENGINEER  
DATE

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
**MOUNT VERNON AVE.**  
**STA. 5+00 TO STA. 10+51.07**  
SHEET NO. 21 OF 26 SHTS.

INDEXED 5-02-07 Lfh

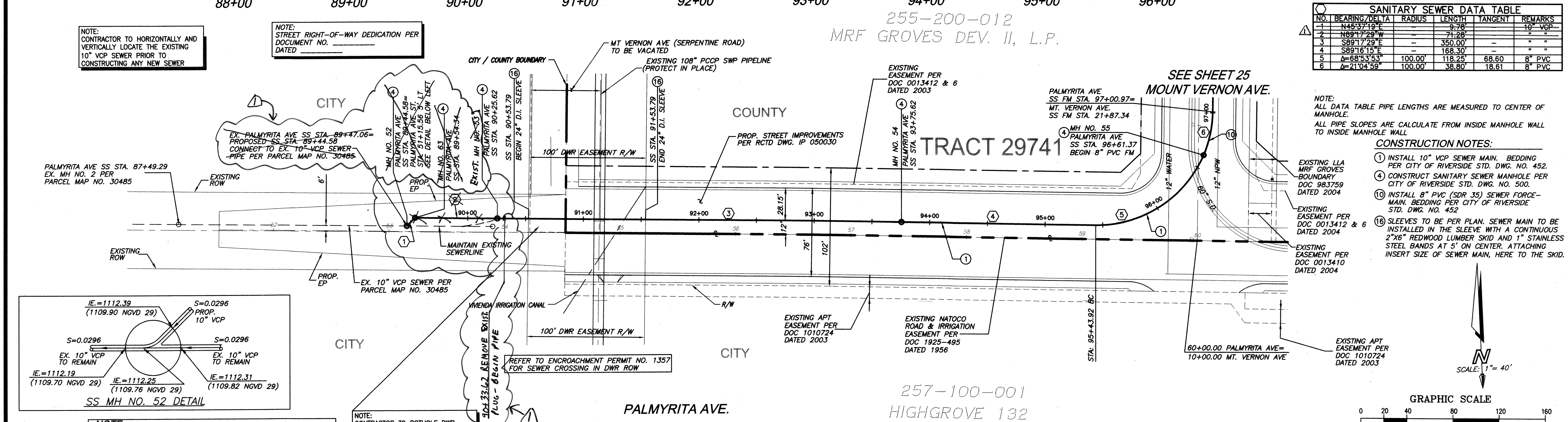


PROFILE SCALE  
HORIZ: 1"=40'  
VERT: 1"=8'

SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	N45°57'49"E		9.78		10" VCP
2	N89°17'29"W		71.28		"
3	S89°17'29"W		350.00		"
4	S89°16'16"E		168.30		"
5	A=68°53'53"	100.00'	118.25'	68.60'	8" PVC
6	A=21°04'59"	100.00'	38.80'	18.61'	8" PVC

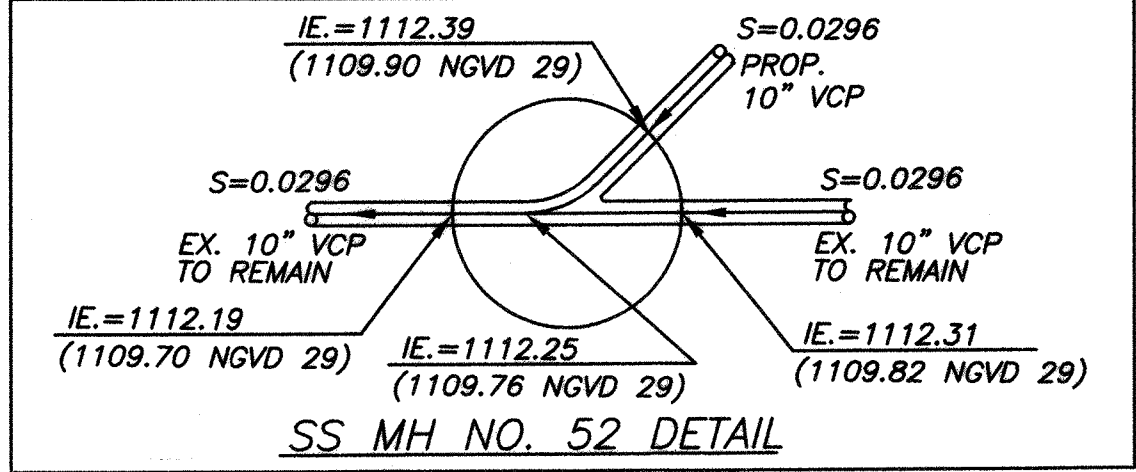
NOTE:  
CONTRACTOR TO HORIZONTALLY AND VERTICALLY LOCATE THE EXISTING 10" VCP SEWER PRIOR TO CONSTRUCTING ANY NEW SEWER

NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_



NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL

- CONSTRUCTION NOTES:**
- INSTALL 10" VCP SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - INSTALL 8" PVC (SDR 35) SEWER FORCE-MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - SLEEVES TO BE PER PLAN. SEWER MAIN TO BE INSTALLED IN THE SLEEVE WITH A CONTINUOUS 2"x6" REDWOOD LUMBER SKID AND 1" STAINLESS STEEL BANDS AT 5' ON CENTER. ATTACHING INSERT SIZE OF SEWER MAIN, HERE TO THE SKID.



**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS

NOTE:  
CONTRACTOR TO POTHOLE DWR SAPL PRIOR TO SEWER INSTALLATION TO VERIFY LOCATION & DEPTH.

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR. DATE
			REVISIONS FOR LOWERING FOREBRAIN RAISING LINE B + LINE B PARK PROFILE	

SEAL-COUNTY  
COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN

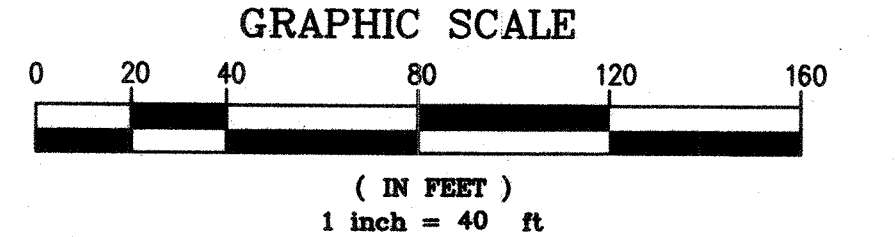
SEAL  
REGISTERED PROFESSIONAL ENGINEER  
DANIEL A. LEE  
No. 38396  
Exp. 3/31/07  
CIVIL  
STATE OF CALIFORNIA

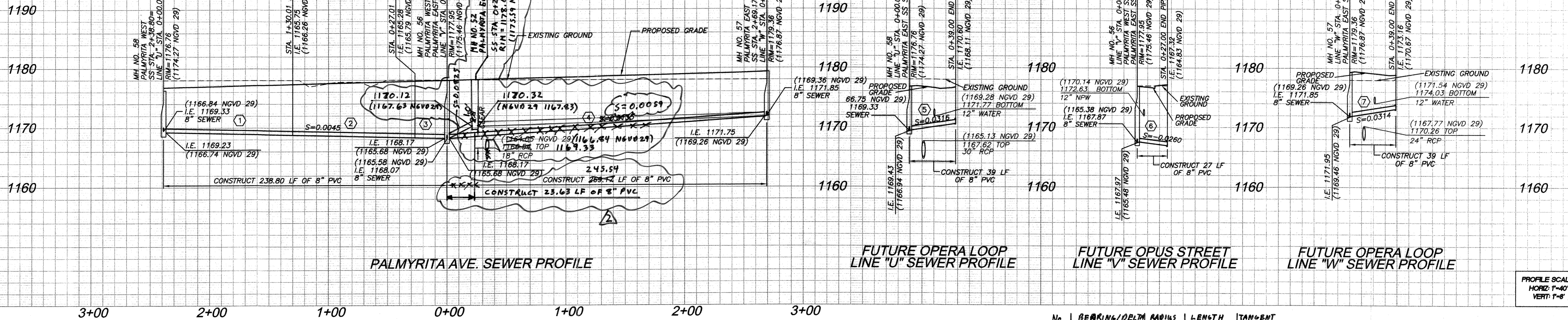
Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
R.C.E. No. 38396  
DATE: 6-28-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
CITY ENGINEER  
DATE: 6/28/06

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
PALMYRITA AVE.  
STA. 74+47.20 TO STA. 83+54.05  
SHEET NO. 22 OF 26 SHTS.





PROFILE SCALE  
HORIZ: 1"=40'  
VERT: 1"=8'

TRACT 29741

NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER  
DOCUMENT NO. \_\_\_\_\_  
DATED \_\_\_\_\_

EXISTING 20'  
NATOCO ROAD  
& IRRIGATION  
EASEMENT PER  
DOC 1925-495  
DATED 1956

EXISTING 20'  
NATOCO ROAD  
EASEMENT PER  
DOC 1925-500  
DATED 1956

No.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
4	$\Delta = 17^{\circ} 27' 17''$	806.00'	249.245.54'	123.73'
5	$\Delta = 1^{\circ} 40' 47''$	806.00'	23.63'	11.82'

SANITARY SEWER DATA TABLE					
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	$\Delta = 10^{\circ} 39' 06''$	584.76'	108.71'	54.51'	8" PVC
2	$\Delta = 01^{\circ} 58' 46''$	-	103.08'	-	" "
3	$\Delta = 01^{\circ} 58' 31''$	803.72'	27.01'	13.50'	" "
4	$\Delta = 17^{\circ} 27' 17''$	806.00'	249.245.54'	123.73'	" "
5	$\Delta = 01^{\circ} 40' 47''$	806.00'	23.63'	11.82'	" "
6	$\Delta = 36^{\circ} 33' 14''$	-	27.00'	-	" "
7	$\Delta = 11^{\circ} 24' 01''$	-	39.00'	-	" "

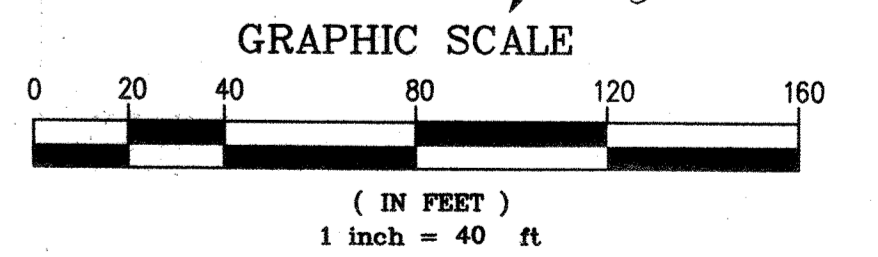
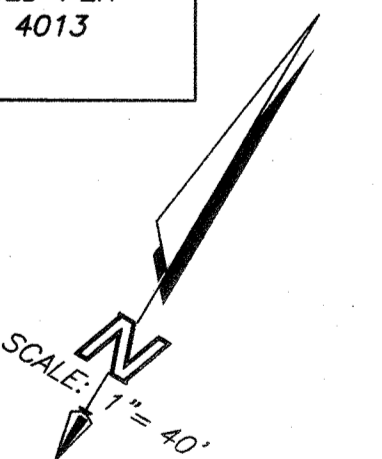
NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL

CONSTRUCTION NOTES:

- 3) INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
- 4) CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
- 14) INSTALL 8" PLUG.

NOTE:

ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

DATE	BY	MARK	REVISIONS	APPR.	DATE
07/07	DL		REVISED SEWER AND ADDED MH #52 TO AVOID CONFLICTING WITH STORM DRAIN		7-10-07

SEAL-COUNTY



COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:

KHALED A. OTHMAN

DATE:

SEAL



Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com

R.C.E. NO. 38396

DATE: 2-4-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
*John Boyd* 10/22/06  
CITY ENGINEER DATE

CITY OF RIVERSIDE DRAWING # S-1896

WDID No. 833C327881 PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013

SHEET NO.

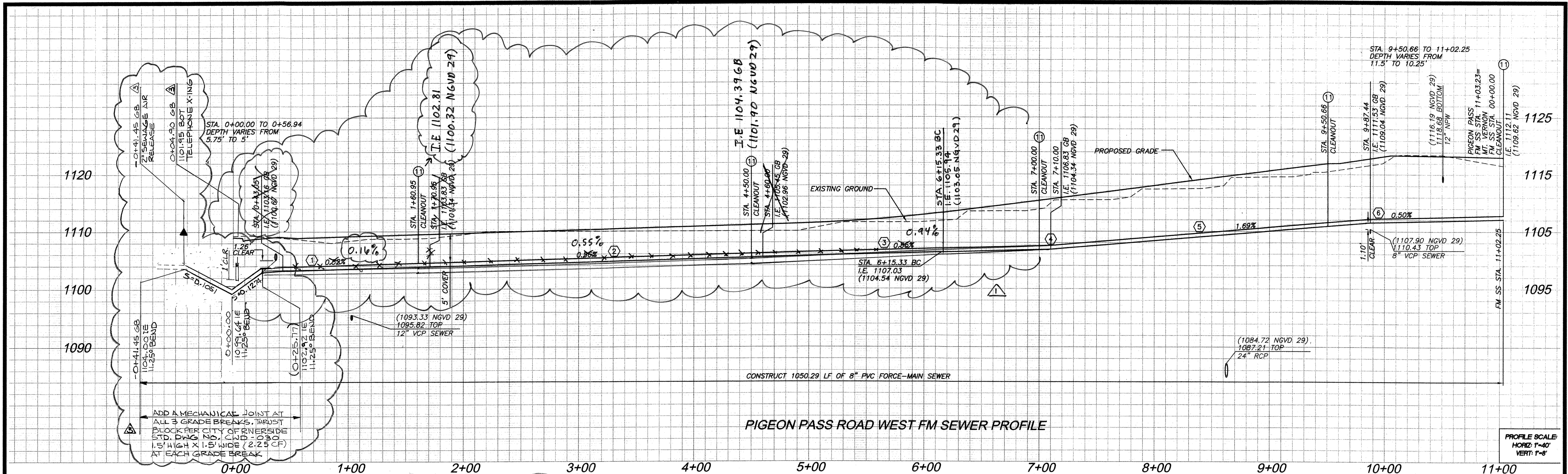
23

PALMYRITA AVE.  
STA. 0+00 TO STA. 2+69.17 &  
STA. 0+00 TO STA. 2+38.80

OF 26 SHTS.

FOR: W.O. FILE NO.

INDEXED 5-02-07 LPH



**PIGEON PASS ROAD WEST FM SEWER PROFILE**

PROFILE SCALE  
HORIZ 1"=40'  
VERT 1"=8'

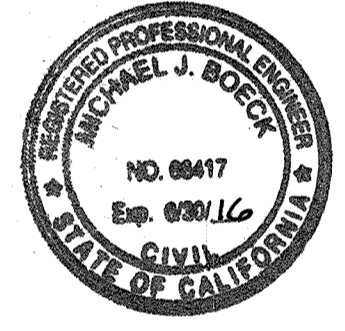
**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS

NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	Δ=41°24'52"	280.00'	202.24'	105.24'	8" PVC
2	N81°21'12"W	--	289.65'	--	"
3	N81°21'12"W	--	165.33'	--	"
4	Δ=5°58'28"	812.00'	84.67'	42.37'	"
5	Δ=17°41'13"	812.00'	250.66'	126.34'	"
6	Δ=87°25'07"	100.00'	152.57'	95.59'	"

**NOTE:**  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL

**CONSTRUCTION NOTES:**  
⑩ INSTALL 8" PVC (SDR 35) SEWER FORCE-MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.  
⑪ FORCEMAIN CLEANOUT PER STD 559

**NOTE:**  
STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_



ALL REVISIONS MARKED **Δ** PREPARED UNDER THE SUPERVISION OF:  
*Michael Boeck* 1/27/15  
MICHAEL J. BOECK DATE: 1/27/15  
RCE NO. GG417 EXP. 06-30-16  
RBF CONSULTING 40810 COUNTY CENTER DR. TEMECULA CA 92591  
951-676-8042 FAX 951-676-7240

**NOTE:**  
SEWER EASEMENT DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

SEWER LIFT STATION TO BE CONSTRUCTED PER PLAN DW 05-0064

SEWERS TO BE CONSTRUCTED PER PLAN DW 05-0064

PROP. 30' SCE EASEMENT

**NOTE:**  
SEE SHEET 19 FOR GRAVITY SEWER

TRACT 29741

EXISTING EASEMENT PER DOC 0013412-6 DATED 2004

SEE SHEET 25 MOUNT VERNON AVE.

SEE SHEET 4 PIGEON PASS ROAD

SEWER STATION

STA 0+00.00 CLEANOUT

EX TELEPHONE X-ING

PROP. 30' SCE EASEMENT

PROP. POWER POLE (TYP.)

MH NO. 45 SEE SHEET 19

PROP. OVERHEAD POWER LINE

TRACT 29741

MH NO. 46 SEE SHEET 19

EXISTING SERPENTINE ROAD ROW

EXISTING ROAD EASEMENT PER DWG 878-T

EXISTING PIGEON PASS ROAD ROW

SEE SHEET 19 FOR GRAVITY SEWER

SCALE: 1"=40'

EXISTING LLA EASEMENT PER DOC 0118105 DATED 2004

LINE "L" SEE SHEET 14

EXISTING 25' SCE EASEMENT PER DOC 66-373

EXISTING SCE EASEMENT PER DOC 66-16268

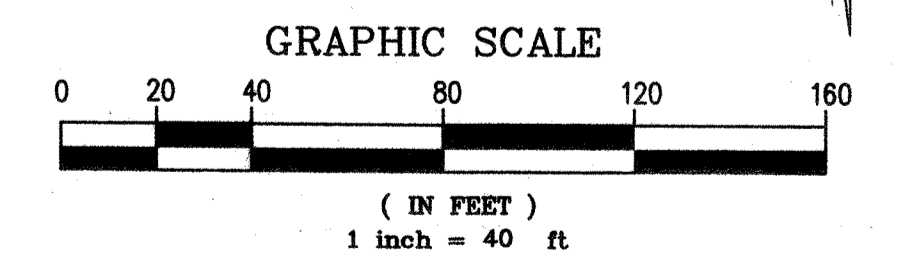
EXISTING LLA EASEMENT PER DOC 983759 DATED 2003

EXISTING 2' SCE EASEMENT PER DOC 102689 DATED 1965

EXISTING APT EASEMENT PER DOC 1010727 DATED 2003

EXISTING 50' ROW EASEMENT PER DOC 233-393

EXISTING ROAD EASEMENT PER DWG 878-T



**NOTE:**  
SEWER EASEMENT DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

EXISTING ROAD EASEMENT PER DWG 878-T

TRACT 29597

TRACT 29741  
255-190-009  
RENFRU, RAYMOND J.  
PIGEON PASS ROAD WEST

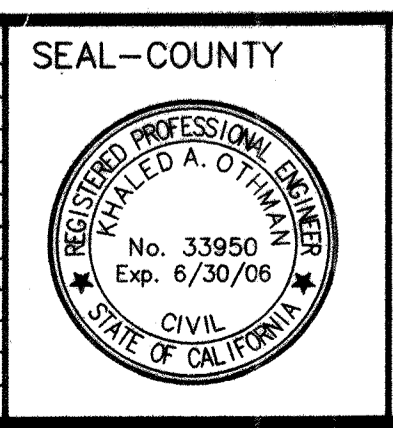
ENGINEER	REVISION	APPR	DATE
O/S RBF	REVISED F.M. PLAN & PROFILE		
<i>Tom Boyd</i>			10/27/08

CITY ENGINEER  
CITY OF RIVERSIDE  
RECOMMENDS APPROVAL

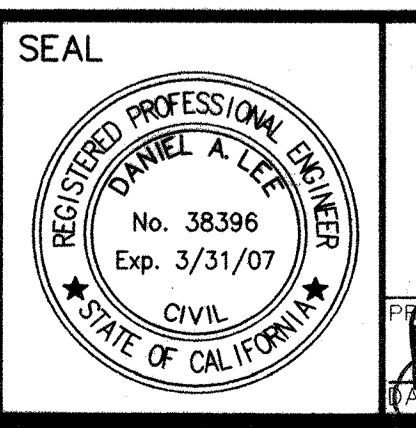
CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881 PW06-0020

**NOTE:** WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

DATE	BY	MARK	REVISIONS	APPR.	DATE
6/07	DL	Δ	REVISIONS FOR LOWERING FORCEMAIN RISE		6/7/07
12/14	RBF	Δ	RAISING LINE B + LINE B PROFILE		12/14/08
			REVISED FORCE MAIN PLAN & PROFILE		12/14/08



SEAL-COUNTY  
COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN DATE: \_\_\_\_\_  
RECOMMENDED BY P.B.S. & J. DATE: \_\_\_\_\_



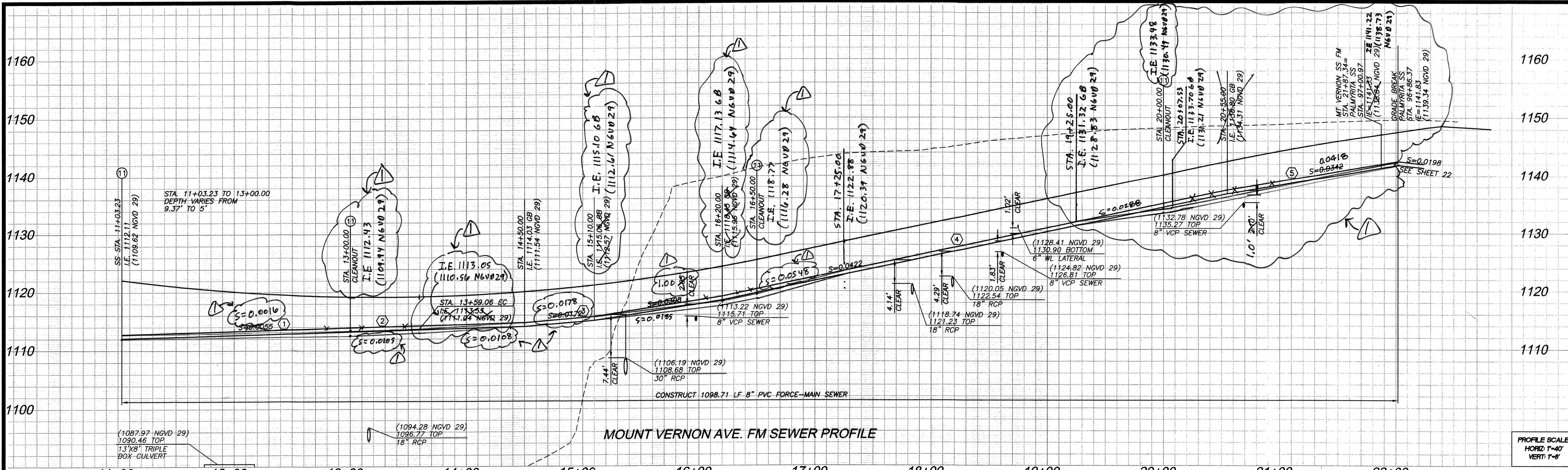
SEAL  
Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
R.C.E. No. 38396  
DATE: 2-9-06

SEE SHEET 1 FOR BENCHMARK DATA  
SCALE: HOR: 1"=40' VERT: 1"=8'

CITY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
**PIGEON PASS ROAD WEST**  
**STA. 1+00 TO STA. 11+26.80**  
SHEET NO. 24 OF 26 SHTS.  
FOR: W.O. COUNTY FILE NO.

INDEXED 5-02-07 left





**SANITARY SEWER DATA TABLE**

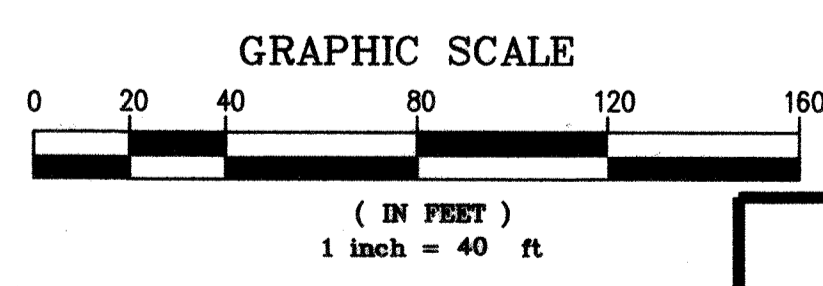
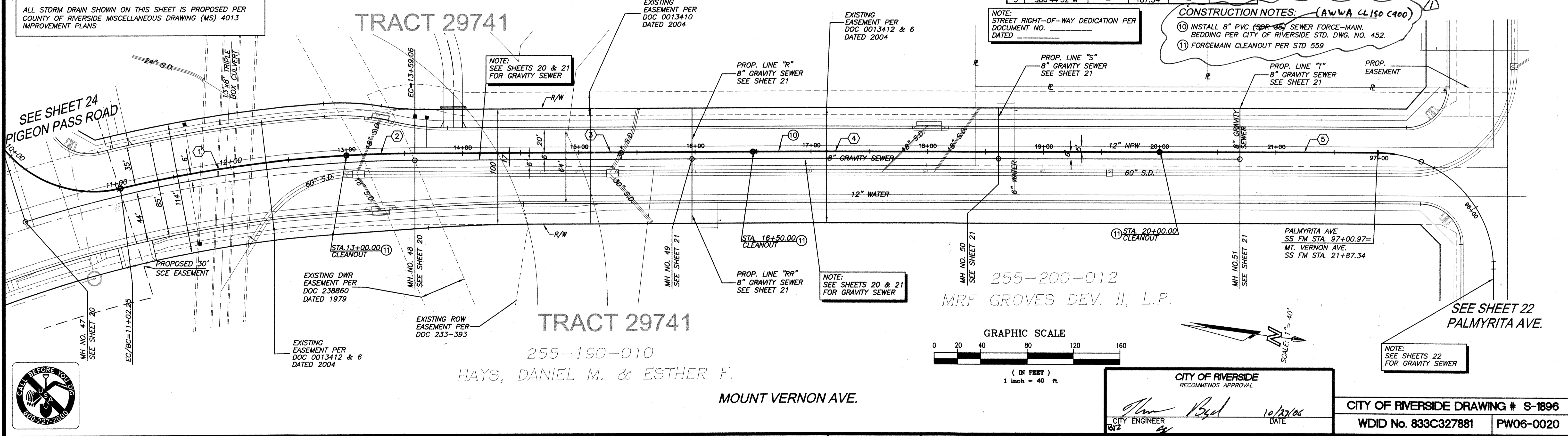
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	A=10°08'18"	1112.00	195.77	98.64'	8" PVC FM
2	A=03°02'34"	1112.00	59.06	29.53'	"
3	S00°44'52"W	-	290.94'	-	"
4	S00°44'52"W	-	350.00'	-	"
5	S00°44'52"W	-	187.34'	-	"

NOTE: ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL.

**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS.  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS.

NOTE: STREET RIGHT-OF-WAY DEDICATION PER DOCUMENT NO. \_\_\_\_\_ DATED \_\_\_\_\_

**CONSTRUCTION NOTES: (AWWA CL150 C900)**  
 (10) INSTALL 8" PVC (SDR-35) SEWER FORCE-MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.  
 (11) FORCEMAIN CLEANOUT PER STD 559



CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
 [Signature] 10/27/06  
 CITY ENGINEER DATE

CITY OF RIVERSIDE DRAWING # S-1896  
 WDID No. 833C327881 PW06-0020

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

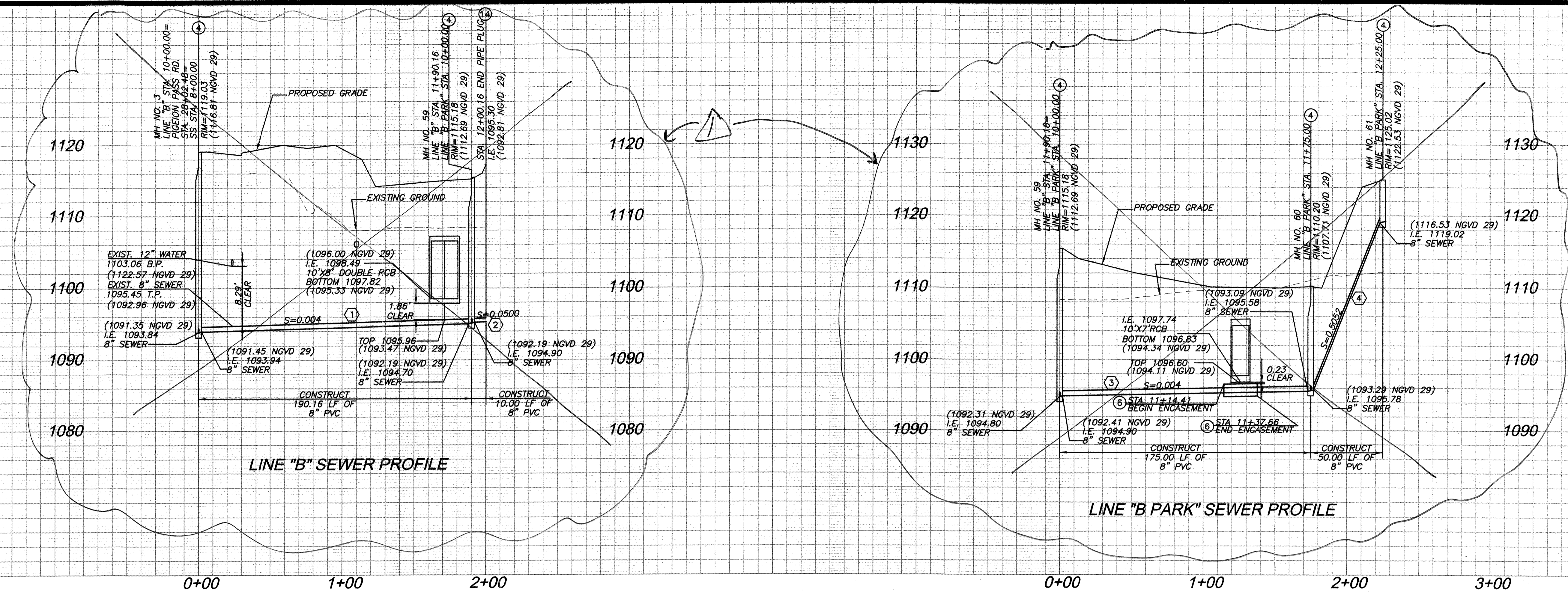
DATE	BY	MARK	REVISIONS	APPR.	DATE
			REVISIONS FOR LOWERING FORCEMAINS, RAISING LINE B + LINE B PARK PROFILES		

SEAL-COUNTY  
 COUNTY OF RIVERSIDE  
 TRANSPORTATION DEPARTMENT  
 APPROVED BY:  
 [Signature] DATE:  
 RECOMMENDED BY PBS & J DATE:

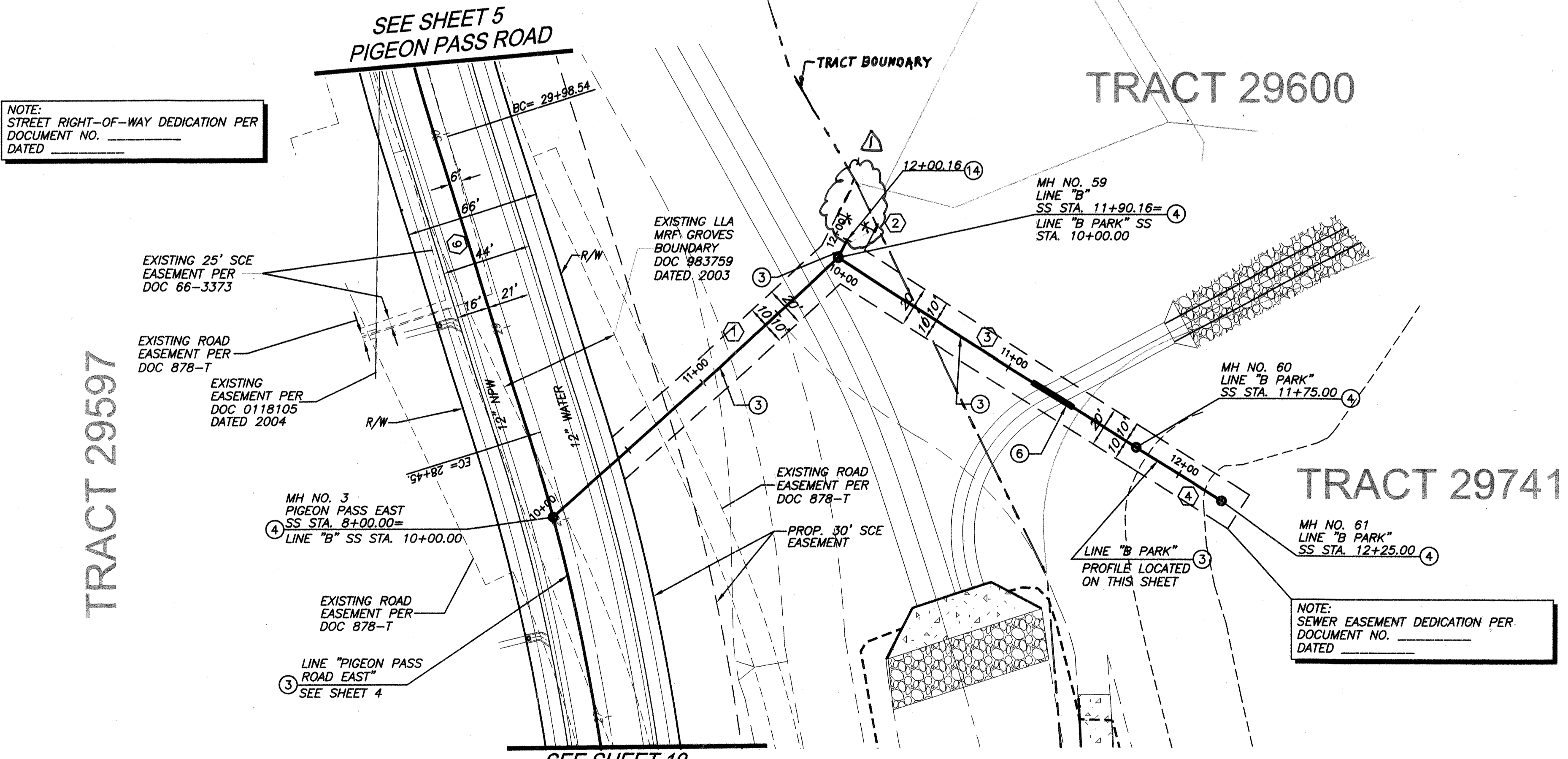
SEAL  
 REGISTERED PROFESSIONAL ENGINEER  
 DANIEL A. LEE  
 No. 38396  
 Exp. 3/31/07  
 CIVIL  
 STATE OF CALIFORNIA  
 [Signature] R.C.E. No. 38396  
 DATE: 2-4-06

SEE SHEET 1 FOR BENCHMARK DATA  
 SCALE: HOR: 1"=40' VERT: 1"=8'

COUNTY OF RIVERSIDE  
 C.F.D. SEWER IMPROVEMENT PLANS  
 SPRING MOUNTAIN RANCH  
 BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
 29592, 29599, 29600, 29740  
 MS 4013  
**MOUNT VERNON AVE.**  
**STA. 0+00 TO STA. 12+77.14**  
 SHEET NO. 25 OF 26 SHTS.  
 FOR: W.O. COUNTY FILE NO.



PROFILE SCALE:  
HORIZ: 1"=40'  
VERT: 1"=8'



NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER  
DOCUMENT NO. \_\_\_\_\_  
DATED \_\_\_\_\_

TRACT 29597

SEE SHEET 19  
PIGEON PASS ROAD

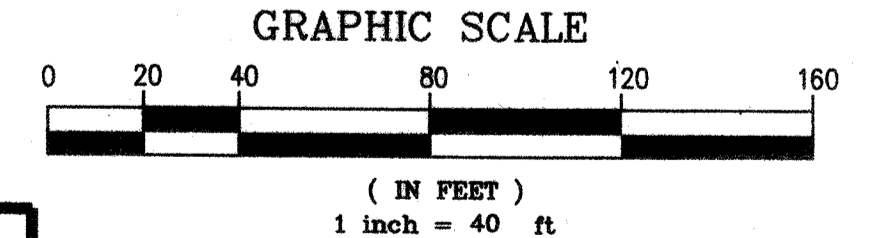
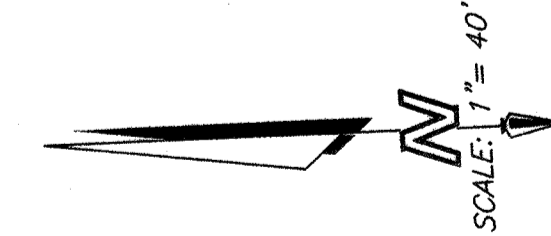
LINE B AND LINE B PARK SEWER

SANITARY SEWER DATA TABLE					
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	REMARKS
1	S42°09'10" E	—	190.16	—	8" PVC
2	S63°31'27" E	—	10.00	—	" "
3	S32°21'39" W	—	175.00	—	" "
4	S32°21'39" W	—	50.00	—	" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL TO INSIDE MANHOLE WALL

- CONSTRUCTION NOTES:**
- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN. BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - ⑥ INSTALL SEWER PIPE EASEMENT PER CITY OF RIVERSIDE STD. DWG. NO. 564.
  - ⑭ INSTALL 8" PLUG.

**NOTE:**  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013 IMPROVEMENT PLANS



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE
6/07	DL	DL	REVISIONS FOR RAISING LINE B + LINE B PARK SEWER + EASEMENT EXTENSION. SEE SHEET 26A		7-10-07

SEAL-COUNTY  
REGISTERED PROFESSIONAL ENGINEER  
KHALED A. OTHMAN  
No. 33950  
Exp. 6/30/06  
CIVIL  
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN  
DATE: \_\_\_\_\_

SEAL  
REGISTERED PROFESSIONAL ENGINEER  
DANIEL A. LEE  
No. 38396  
Exp. 3/31/07  
CIVIL  
STATE OF CALIFORNIA

Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
R.C.E. No. 38396  
DATE: 2-4-06

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
Dan Bud 10/26/06  
CITY ENGINEER  
DATE

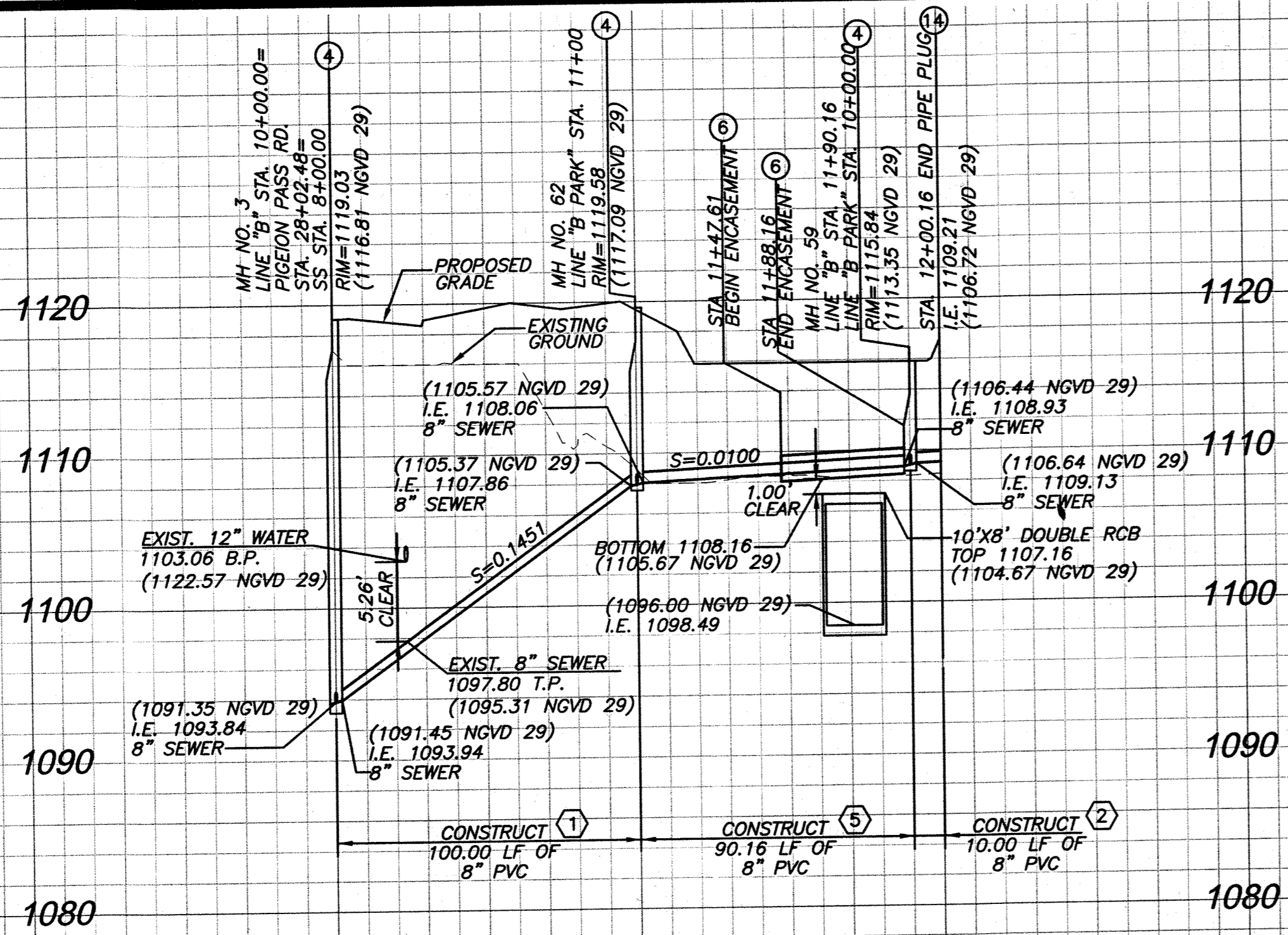
CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881  
PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
**LINE B & LINE B PARK**  
SHEET NO. 26  
OF 26 SHTS.

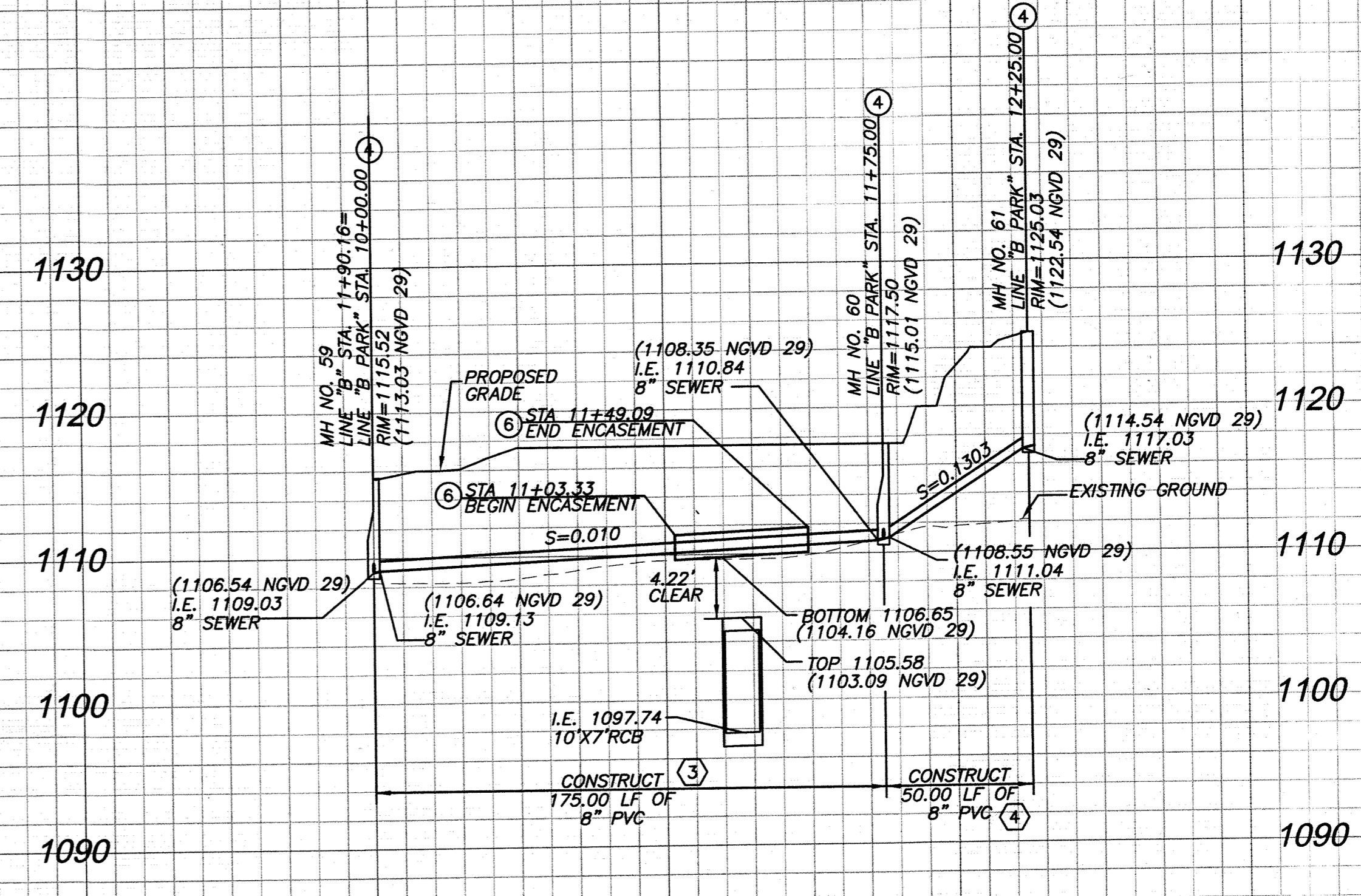
SEE SHEET 1 FOR BENCHMARK DATA  
SCALE: HOR: 1"=40' VERT: 1"=8'

FOR: \_\_\_\_\_ W.O. \_\_\_\_\_ COUNTY FILE NO. \_\_\_\_\_

INDEXED 5-02-07 LPH

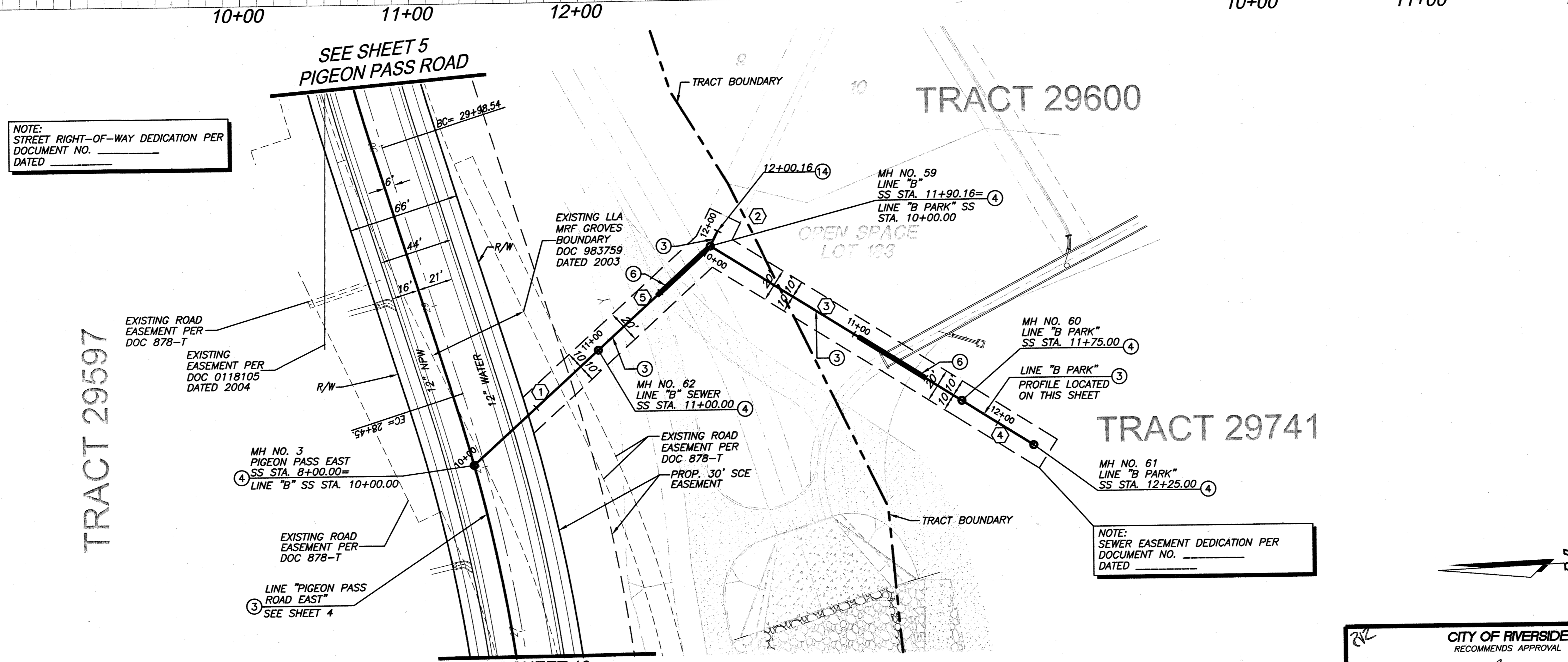


LINE "B" SEWER PROFILE



LINE "B PARK" SEWER PROFILE

PROFILE SCALE:  
HORIZ: 1"=40'  
VERT: 1"=8'



NOTE:  
STREET RIGHT-OF-WAY DEDICATION PER  
DOCUMENT NO. \_\_\_\_\_  
DATED \_\_\_\_\_

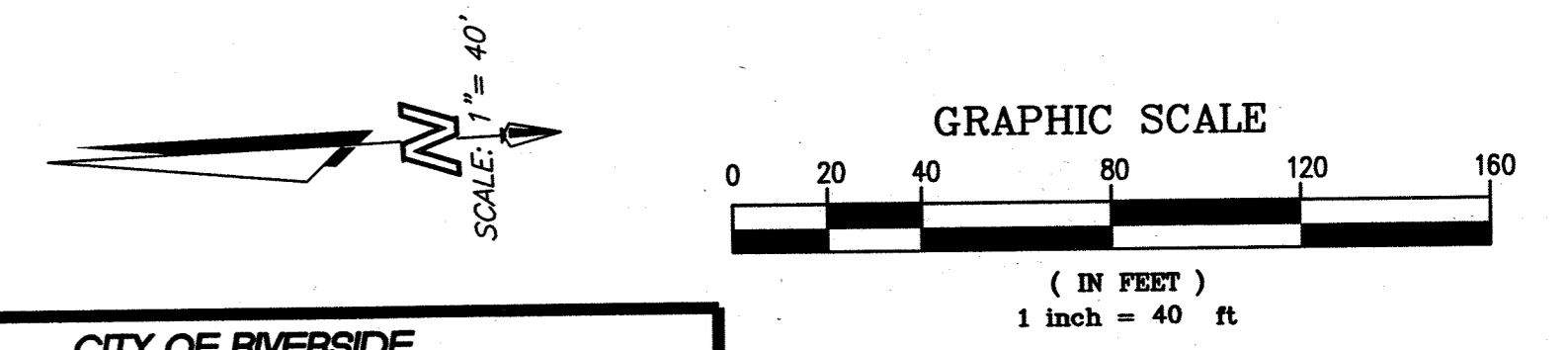
NOTE:  
SEWER EASEMENT DEDICATION PER  
DOCUMENT NO. \_\_\_\_\_  
DATED \_\_\_\_\_

SANITARY SEWER DATA TABLE					
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	REMARKS
1	S42°09'10"E	-	100.00'	-	8" PVC
2	S63°31'27"E	-	30.00'	-	" "
3	S32°21'39"W	-	175.00'	-	" "
4	S32°21'39"W	-	50.00'	-	" "
5	S42°09'10"E	-	90.16'	-	" "

NOTE:  
ALL DATA TABLE PIPE LENGTHS ARE MEASURED TO CENTER OF  
MANHOLE.  
ALL PIPE SLOPES ARE CALCULATE FROM INSIDE MANHOLE WALL  
TO INSIDE MANHOLE WALL

- CONSTRUCTION NOTES:
- ③ INSTALL 8" PVC (SDR 35) SEWER MAIN, BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452.
  - ④ CONSTRUCT SANITARY SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500.
  - ⑥ INSTALL SEWER PIPE ENCASEMENT PER CITY OF RIVERSIDE STD. DWG. NO. 564.
  - ⑭ INSTALL 8" PLUG.

NOTE:  
ALL WATER AND NON POTABLE WATER LINES SHOWN ON THIS  
SHEET IS PROPOSED PER RIVERSIDE HIGHLAND WATER COMPANY  
IMPROVEMENT PLANS  
ALL STORM DRAIN SHOWN ON THIS SHEET IS PROPOSED PER  
COUNTY OF RIVERSIDE MISCELLANEOUS DRAWING (MS) 4013  
IMPROVEMENT PLANS



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY  
COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT  
APPROVED BY:  
KHALED A. OTHMAN  
DATE: \_\_\_\_\_

SEAL  
REGISTERED PROFESSIONAL ENGINEER  
BRUCE W. KIRBY  
No. 042393  
Exp. 3/31/08  
CIVIL  
STATE OF CALIFORNIA

Stantec Consulting, Inc.  
277 Rancheros Drive Suite 300  
San Marcos, CA 92069  
Tel. (760) 891-3200  
Fax. (760) 891-3201  
www.stantec.com  
PREPARED BY: Bruce W. Kirby  
DATE: 8/10/07  
R.C.E. NO. 042393

CITY OF RIVERSIDE  
RECOMMENDS APPROVAL  
CITY ENGINEER: \_\_\_\_\_  
DATE: 8/10/07

CITY OF RIVERSIDE DRAWING # S-1896  
WDID No. 833C327881  
PW06-0020

COUNTY OF RIVERSIDE  
C.F.D. SEWER IMPROVEMENT PLANS  
SPRING MOUNTAIN RANCH  
BACKBONE SYSTEM FOR TRACT 29597 AND 29741  
29592, 29599, 29600, 29740  
MS 4013  
LINE B & LINE B PARK  
SHEET NO. S-1896  
26A  
OF 26 SHTS.

SEE SHEET 1 FOR BENCHMARK DATA

SCALE: HORIZ: 1"=40' VERT: 1"=8'

FOR: W.O. COUNTY FILE NO. INDEXED 9-18-07 lft