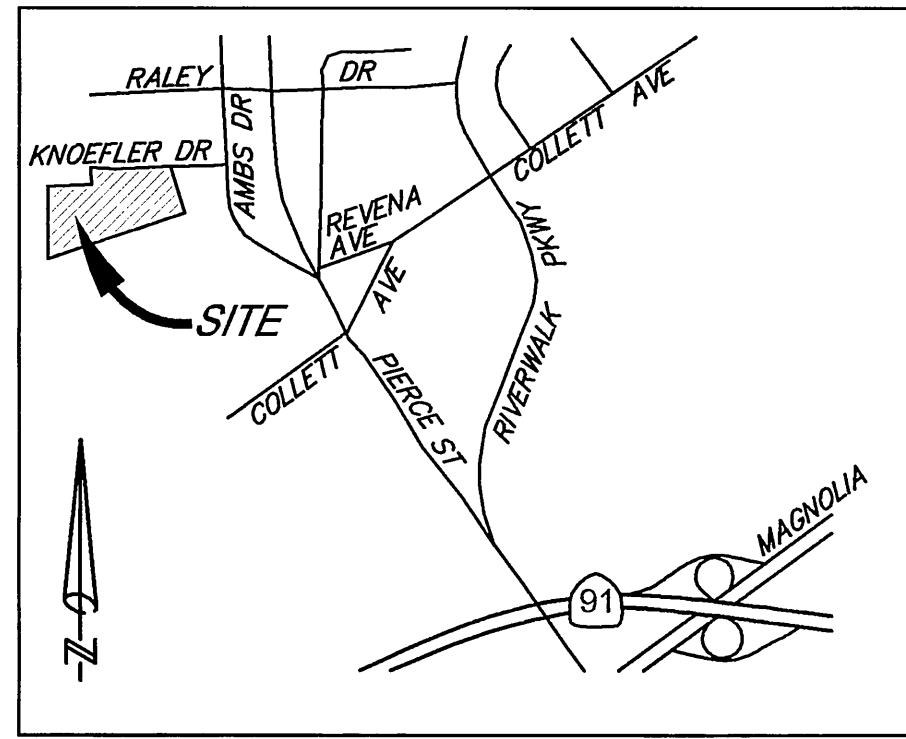
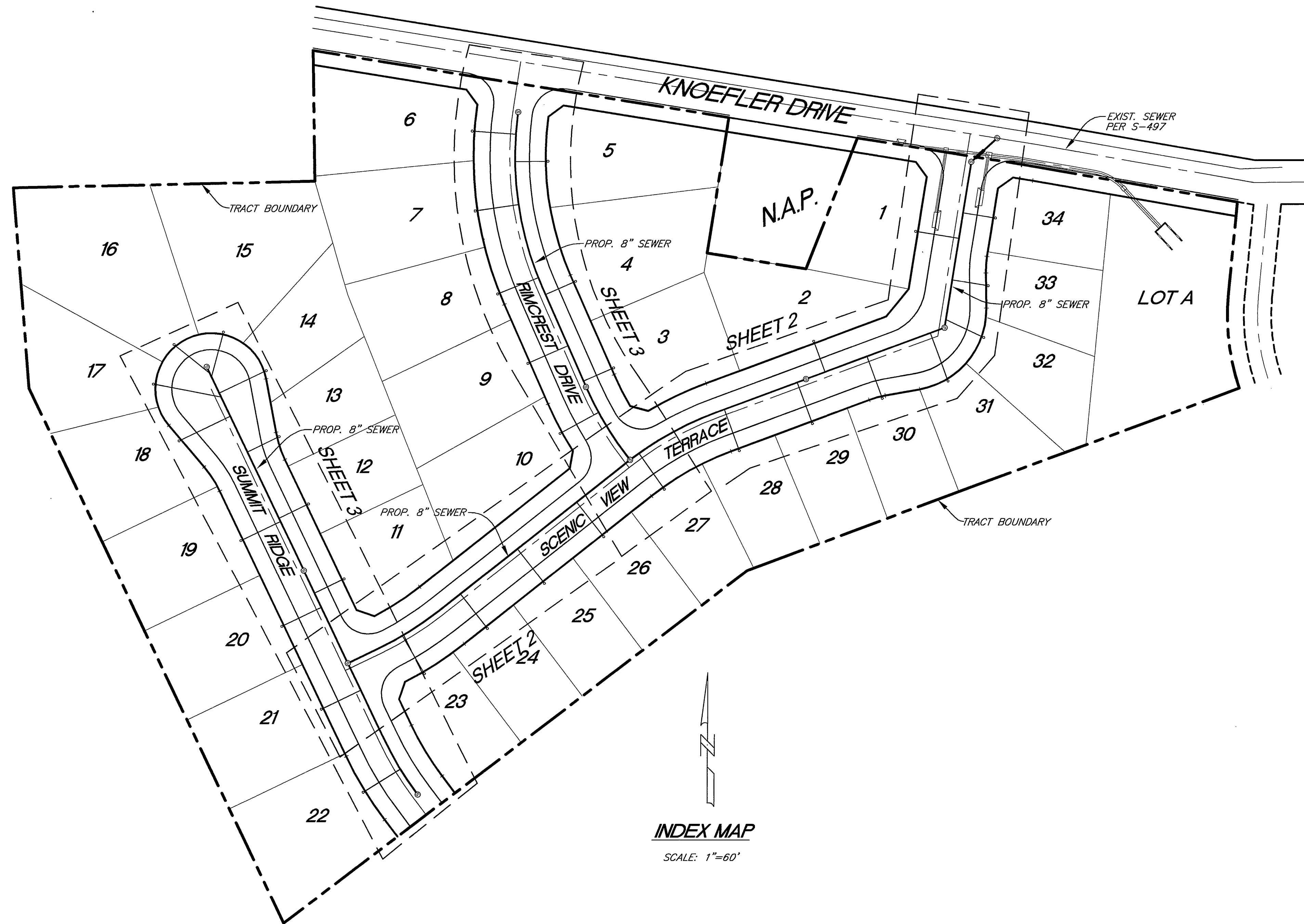


TRACT 31927 SEWER IMPROVEMENT PLAN



VICINITY MAP
NOT TO SCALE



GENERAL NOTES

1. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY AT NO COST TO THE CITY.
3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS STANDARDS DRAWINGS, ITS SUPPLEMENTAL NOTES, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
4. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
5. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATIONS PRIOR TO CONSTRUCTION.
6. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
7. NO FINISH FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
8. A PLUG SHALL BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY OF RIVERSIDE.
9. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
10. THE CONTRACTOR SHALL CALL IN A LOCATIONS REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY USA.
11. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION HEREON.
12. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
13. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS.

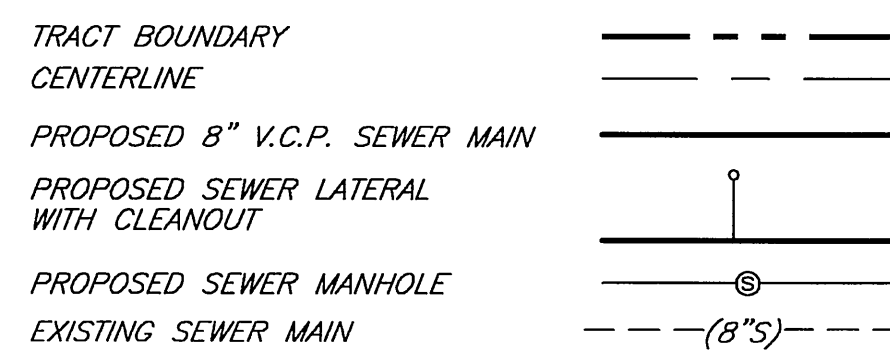
THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

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

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

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS AND CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES AFFECTED. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BEFORE CONSTRUCTION BEGINS.

LEGEND



BENCH MARK:

POINT ID: E2-B2 ELEV: 726.776
DESC: BRASS DISK STAMPED E2-B IN CONCRETE IN CENTER OF A TRAFFIC ISLAND AT THE NORTHWEST CORNER OF PIERCE STREET AND AMBS DRIVE

CONSTRUCTION NOTES AND QUANTITIES

1. CONSTRUCT 8" V.C.P. SEWER MAIN (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 452) 1,546 LF
2. CONSTRUCT SEWER MANHOLE PER CITY OF RIVERSIDE STD. 500 11 EA
3. CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT @ P.L. PER CITY OF RIVERSIDE STD. 562A 1,309 LF / 34 EA
4. CONSTRUCT SEWER ENCASEMENT PER RIV. CITY STD. 564 1 EA

CITY BUSINESS TAX CERTIFICATE NO. 107994 EXP. 06/13/05

CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD & UNDERGROUND	PACIFIC BELL
APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____
CITY OF RIVERSIDE WATER SYSTEM	SOUTHERN CALIFORNIA GAS CO.
APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____

SDH & Associates, Inc
Civil Engineering - Land Planning
5225 Canyon Crest Drive Bldg. 300 Suite 357
Riverside, California 92507
TEL: (951) 788-2344 FAX (951) 788-2314



PREPARED UNDER THE SUPERVISION OF:
Brian G. Escate 4/11/2005
BRIAN G. ESCATE DATE
R.C.E.#: 21884 EXP.: 9-30-05

DESIGNED BY	SS	DRAWN BY	I.S./D.C.	CHECKED BY	S.S./B.G.E.
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CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT			
APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENG.	<i>[Signature]</i>	4/11/05	<i>[Signature]</i>
PUBLIC DEPT.			
TRAFFIC DIVISION			
P.W.-ENG-MANAGER			
SEWER SERVICES			
DATE	4/14/05		

TRACT NO. 31927
SEWER IMPROVEMENT PLAN

S-1904

SHEET 1 OF 3

SCALE: 1"=60'

JOB NO. 0310

PW04-0471

INDEXED S-31-05 4H

Profile Scale
 Horiz. 1" = 40 FT.
 Vert. 1" = 8 FT.

850

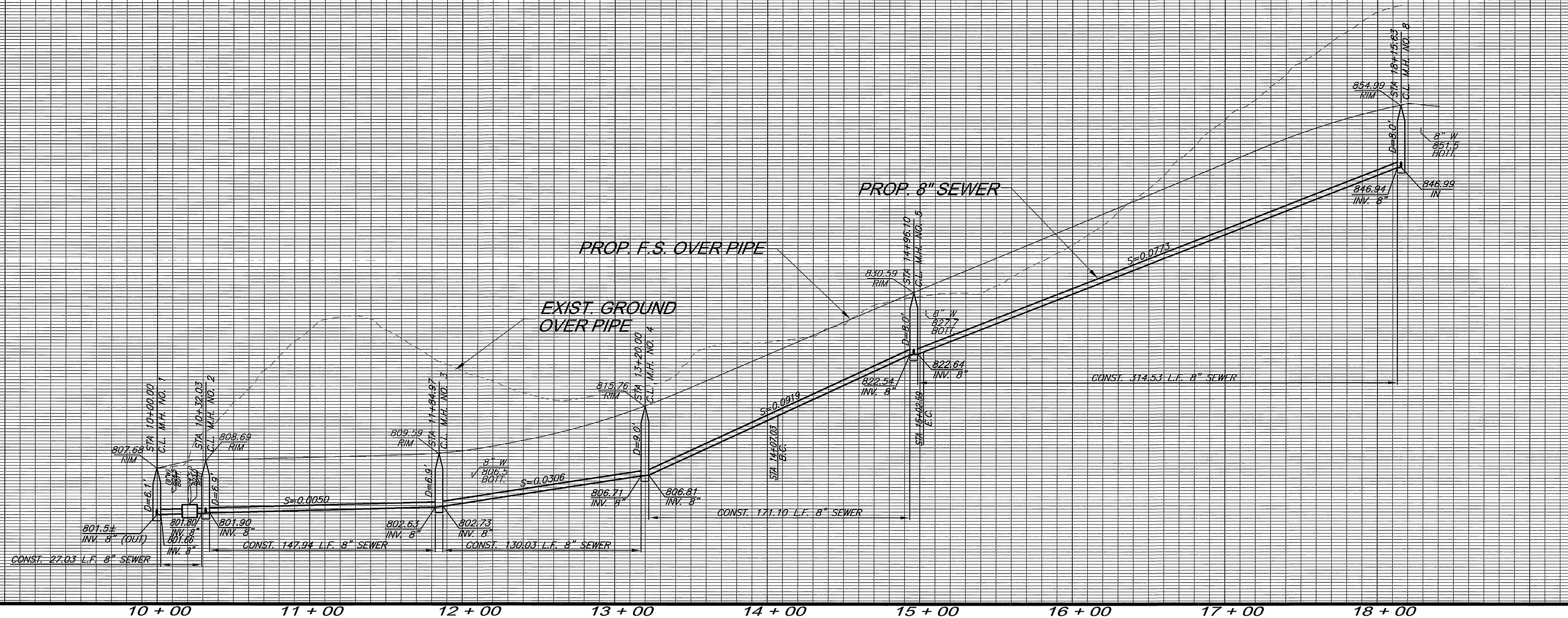
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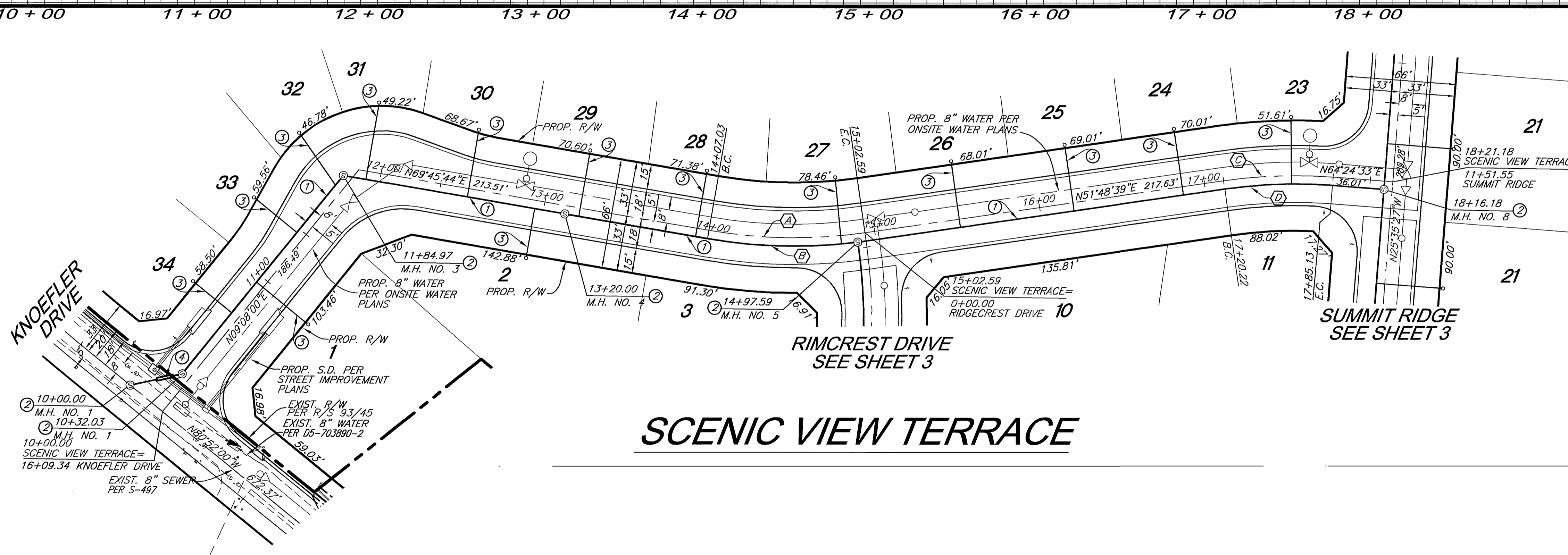
810

810



CURVE DATA

- (A) $\Delta=17^{\circ}00'44''$ R=300.00' L=93.99' T=47.39'
- (B) $\Delta=17^{\circ}00'44''$ R=305.00' L=90.56' T=45.62'
- (C) $\Delta=12^{\circ}35'55''$ R=300.00' L=65.97' T=33.12'
- (D) $\Delta=12^{\circ}35'55''$ R=295.00' L=64.87' T=32.56'



SCENIC VIEW TERRACE

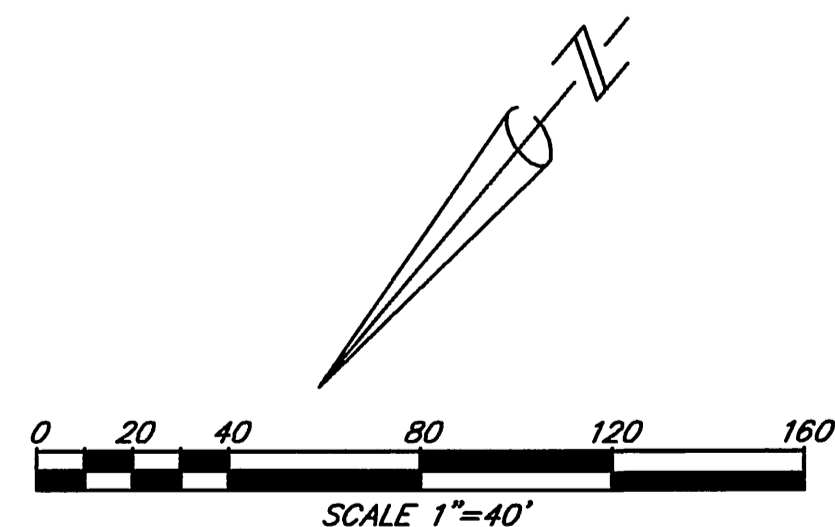
BENCHMARK

POINT ID: E2-B2 ELEV: 726.776
 DESC: BRASS DISK STAMPED E2-B IN
 CONCRETE IN CENTER OF A TRAFFIC ISLAND
 AT THE NORTHWEST CORNER OF PIERCE STREET
 AND AMBS DRIVE

CITY BUSINESS TAX CERTIFICATE NO. 107994 EXP. 06/13/05

CONSTRUCTION NOTES

- (1) CONSTRUCT 8" PVC SEWER MAIN PER (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 453)
- (2) CONSTRUCT SEWER MANHOLE PER RIV. CITY STD. 500
- (3) CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT @ P.L. PER CITY OF RIVERSIDE STD. 562A
- (4) CONSTRUCT SEWER ENCASEMENT PER RIV. CITY STD. 564



CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT—ELECTRIC OVERHEAD & UNDERGROUND		PACIFIC BELL	
APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____
CITY OF RIVERSIDE WATER SYSTEM		SOUTHERN CALIFORNIA GAS CO.	
APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____

SDH & Associates, Inc
 Civil Engineering - Land Planning
 5225 Canyon Crest Drive Bldg. 300 Suite 357
 Riverside, California 92507
 TEL: (951) 788-2344 FAX (951) 788-2314



PREPARED UNDER THE SUPERVISION OF:

Brian G. Esgate 4/1/05
 BRIAN G. ESGATE DATE
 R.C.E.# 21884 EXP.: 9-30-05

DESIGNED BY _____	DRAWN BY _____	CHECKED BY _____
REVISIONS	APR. DATE	

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____
PRINCIPAL ENG. _____	PARK DEPT. _____
TRAFFIC DIVISION _____	SEWER SERVICES _____
DATE 4/19/05	

TRACT 31927
SEWER IMPROVEMENT PLAN
SCENIC VIEW TERRACE

S-1904

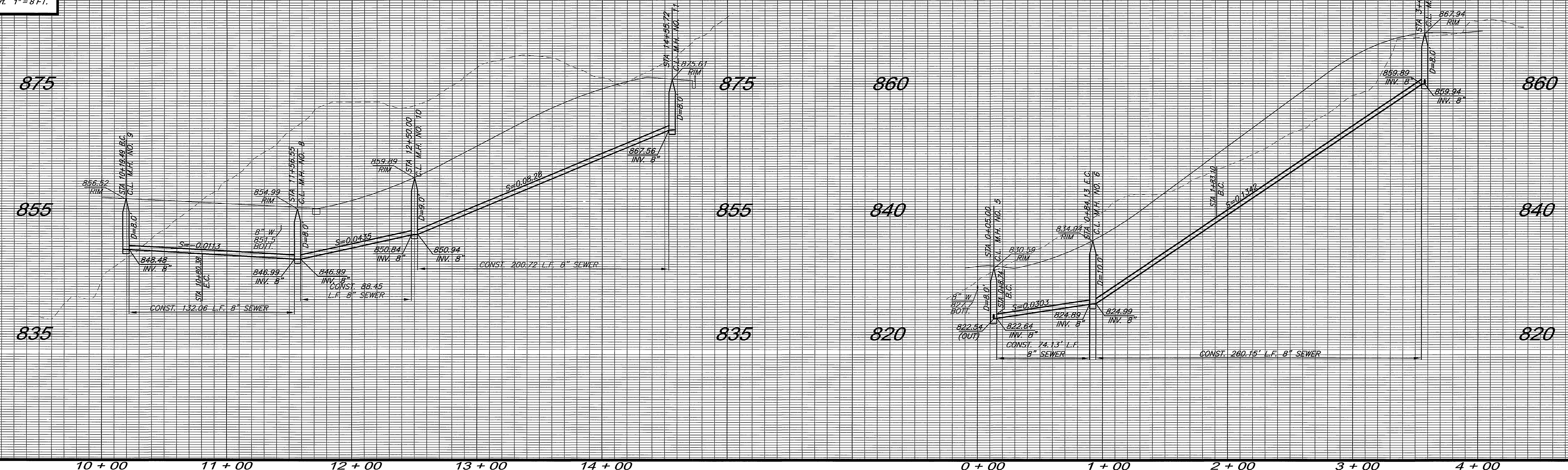
SHEET 2 OF 3

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

JOB NO. 0310

INDEXED 5-31-05 LFT

Profile Scale
 Horiz. 1" = 40 FT.
 Vert. 1" = 8 FT.

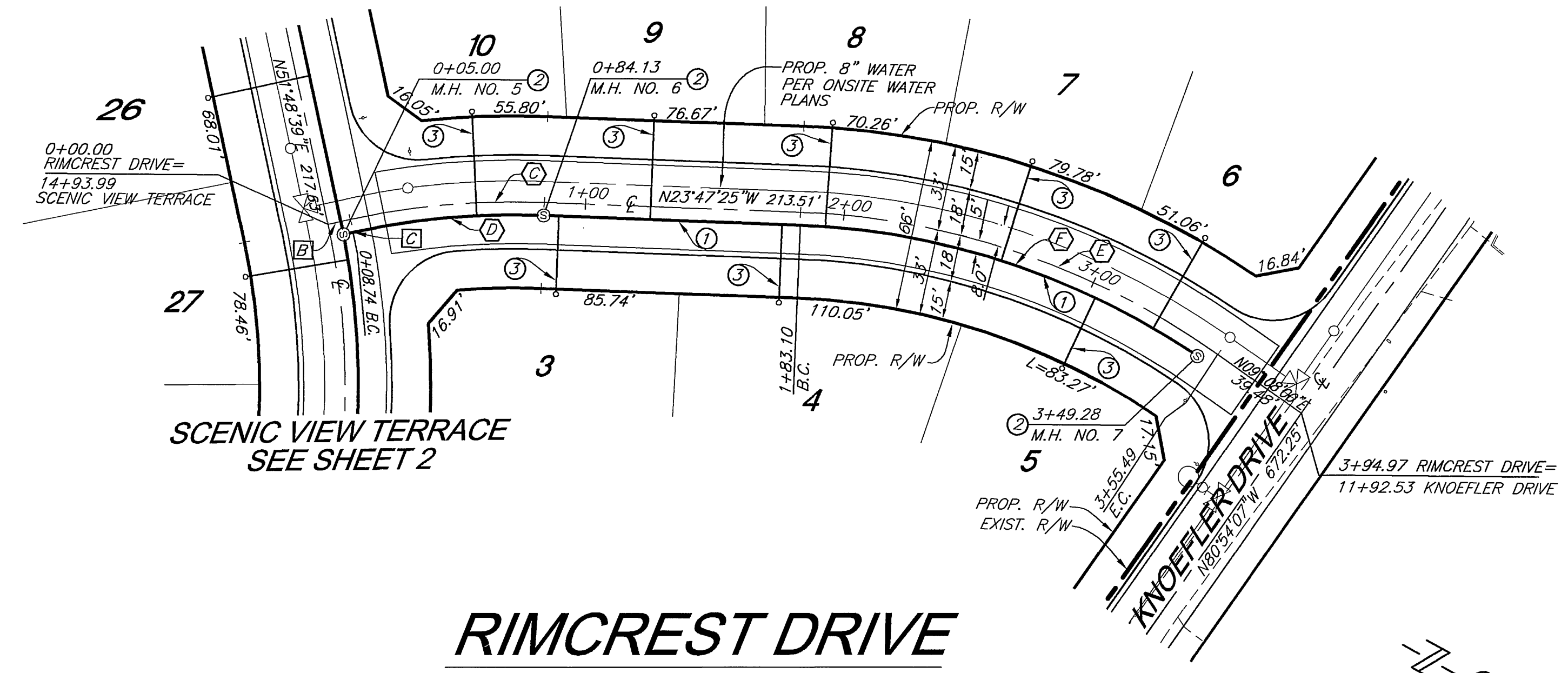
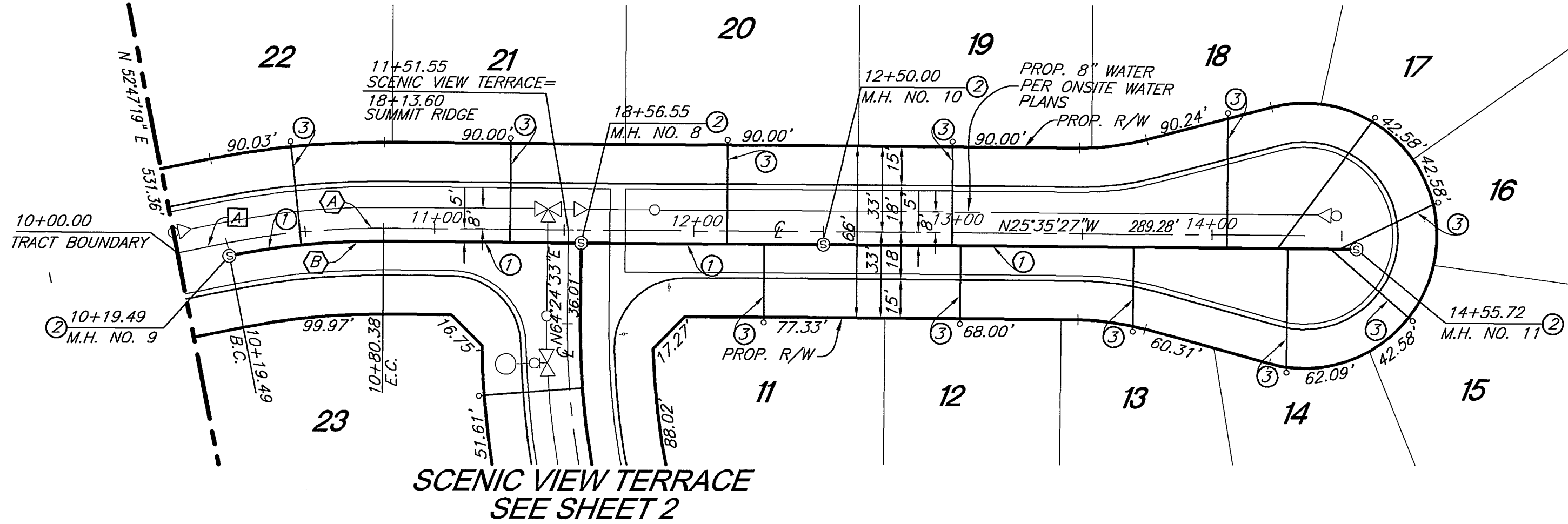


CURVE DATA

A	Δ=11°37'46" R=300.00' L=60.89' T=30.55'
B	Δ=11°08'38" R=295.00' L=57.38' T=28.78'
C	Δ=14°23'57" R=300.00' L=75.39' T=37.90'
D	Δ=14°23'57" R=295.00' L=74.14' T=37.26'
E	Δ=32°55'25" R=300.00' L=172.39' T=88.65'
F	Δ=31°15'10" R=295.00' L=160.91' T=82.51'

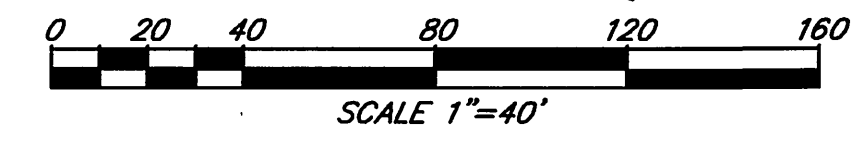
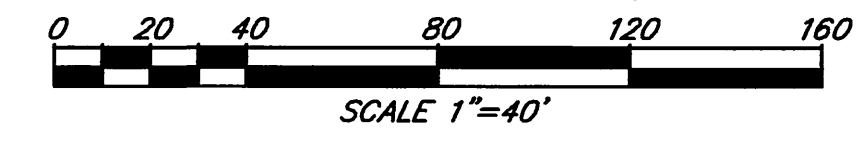
LINE DATA

A	N37°13'13"W 19.49'
B	N38°11'21"W 8.74'
C	N38°11'21"W 1.28'



BENCHMARK

POINT ID: E2-B2
 DESC. BRASS DISK STAMPED E2-B IN CONCRETE IN CENTER OF A TRAFFIC ISLAND AT THE NORTHWEST CORNER OF PIERCE STREET AND AMBS DRIVE



CONSTRUCTION NOTES

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

CITY BUSINESS TAX CERTIFICATE NO. 107994 EXP. 06/13/05

PW04-0471

CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD & UNDERGROUND	PACIFIC BELL
APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____
CITY OF RIVERSIDE WATER SYSTEM	SOUTHERN CALIFORNIA GAS CO.
APPROVED BY _____ DATE _____	APPROVED BY _____ DATE _____

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PREPARED UNDER THE SUPERVISION OF:
 Brian G. Esgate 4/1/05
 BRIAN G. ESGATE DATE
 R.C.E.#: 21884 EXP.: 9-30-05

DESIGNED BY _____ S.S. _____ DRAWN BY _____ T.S. _____ CHECKED BY _____ S.S./B.G.E. _____	
REVISIONS	APR. DATE

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		
APPROVED BY _____ DATE _____	BY _____ DATE _____	APPROVED BY _____ DATE _____
PRINCIPAL ENG. _____	PARK DEPT. _____	TRAFFIC DIVISION _____
SEWER SERVICES _____	CITY ENGINEER _____	
DATE 4/1/05		

TRACT 31927 SEWER IMPROVEMENT PLAN SUMMIT RIDGE & RIMCREST DRIVE
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=8'

S-1904
SHEET 3 OF 3
JOB NO. 0310

RIZ

INDEXED 5-31-05 LHH