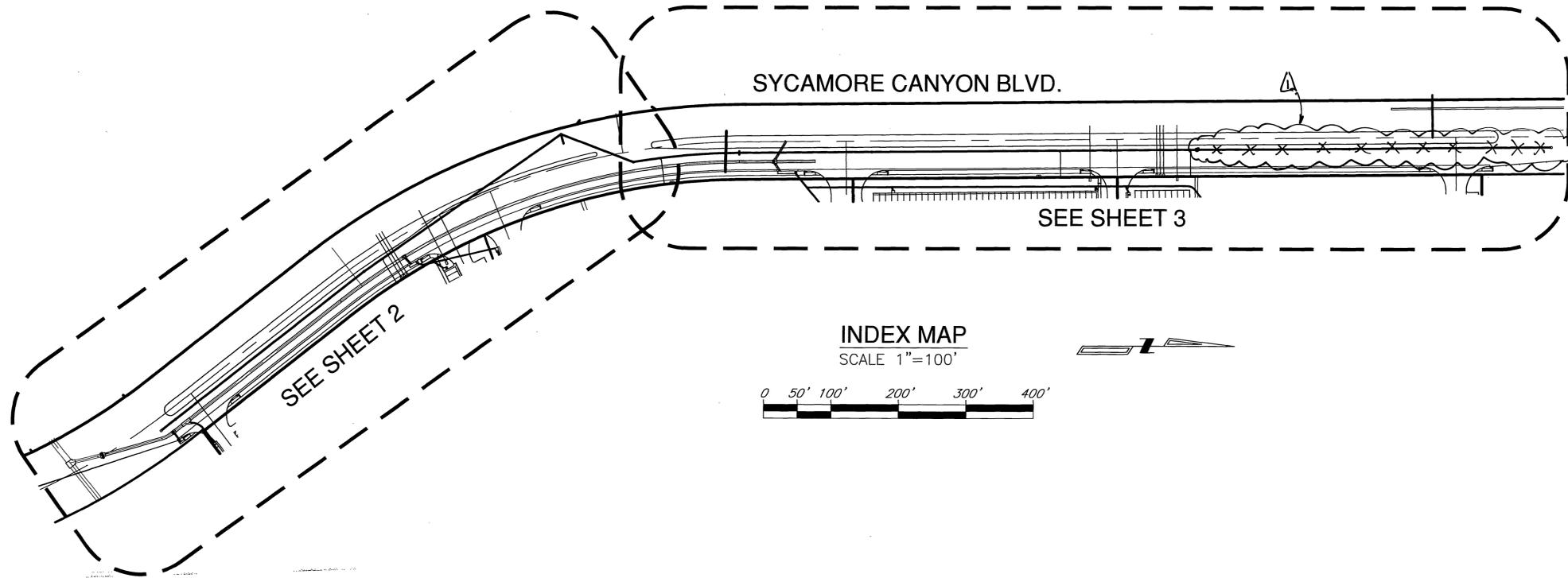
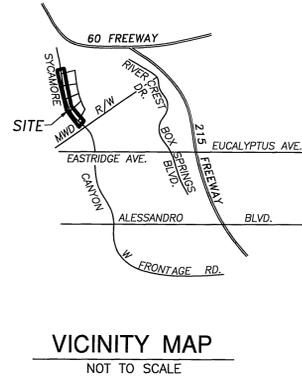


SEWER PLAN



INDEX MAP
SCALE 1"=100'



GENERAL NOTES:

1. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
4. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
5. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
6. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
7. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
8. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
9. FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER.
10. 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.
11. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
12. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
13. 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 PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
14. 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.
15. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.

ENGINEERS NOTES TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THIS PLAN ARE OBTAINED BY SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS.

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR, AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS, "CONSTRUCTION SAFETY ORDERS."

THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS' COMPLIANCE WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR OR WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS, "CONSTRUCTION SAFETY ORDERS."

CONTRACTOR FURTHER AGREES THAT HE SHALL HAVE SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

| QUANTITIES | | |
|------------|------|---|
| ESTIMATED | UNIT | DESCRIPTION |
| 1,615 | LF | 8" VCP SEWER MAIN |
| 6 | EA | SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500 |
| 155 | LF | 6" VCP SEWER LATERAL PER STD. DWG. NO. 562A |
| 5 | EA | 6" WYE |
| 57 | EA | 6" CLEAN OUT PER CITY RIVERSIDE STD. DWG. NO. 560 |

SHEET INDEX:

- SHEET 1 COVER SHEET
- SHEET 2 PLAN AND PROFILE SHEET
- SHEET 3 PLAN AND PROFILE SHEET

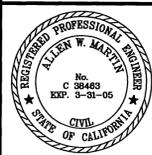
REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT
FOR NON-INTERFERENCE COMPLIANCE

SHEET 1 THROUGH 3

CIVIL ENGINEER RCE 46212 DATE 8/16/05

ELECTRIC

DATE 8/17/05



Southland Engineering
2200 BUSINESS WAY, Ste. 100
RIVERSIDE, CA 92501
(951) 788-8488

PREPARED UNDER THE SUPERVISION OF

Allen W. Martin DATE 8/11/05
R.C.E. 38463 EXP. 3-31-05

REVISIONS

| MARK | REVISIONS | APPR. | DATE |
|------|-------------------------------|-------|--------|
| 1 | REVISE Quantities & INDEX Map | RIZ | 9/2/05 |

DESIGNED BY JH DRAWN BY AR CHECKED BY AWM

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY DATE BY APPROVED BY

PRINCIPAL ENGINEER [Signature] DATE [Date]

TRAFFIC DIVISION [Signature] DATE 9/2/05

STREET SERVICES

SEWER PLAN AND PROFILE

COVER SHEET

SYCAMORE CANYON BOULEVARD
PM 24733

SCALE: AS NOTED

PW04-0996

ACCOUNT NO. S-1887

SHEET 1 OF 3

24111

24111 (City of Riverside) cover sheet (water and profile) 07-05-05

DIGALERT

DIAL BEFORE YOU DIG

TWO WORKING DAYS BEFORE YOU DIG

TOLL FREE 1-800-227-2600

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

BENCH MARK:
L1-A3

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

ELEVATION: 1534.311

INDEXED 9-26-05 4H

1525-

1515-

1505-

1525

1515

1505

INSTALL 23.63 LF OF 8" VCP @ S=0.0040 CASE I BEDDING PER CITY STD. NO. 452

INSTALL 350.00 LF OF 8" VCP @ S=0.0040 CASE I BEDDING PER CITY STD. NO. 452

INSTALL 350.00 LF OF 8" VCP @ S=0.0040 CASE I BEDDING PER CITY STD. NO. 452

INSTALL 110.59 OF 8" VCP @ S=0.0486 CASE I BEDDING PER CITY STD. NO. 452

INSTALL 149.78 LF OF 8" VCP @ S=0.0125 CASE I BEDDING PER CITY STD. NO. 452

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

MATCH LINE STA. 20+00.00
SEE SHEET 3

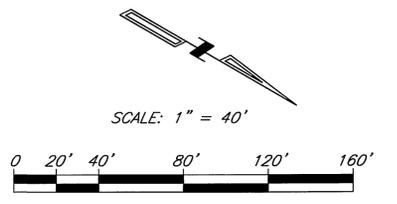
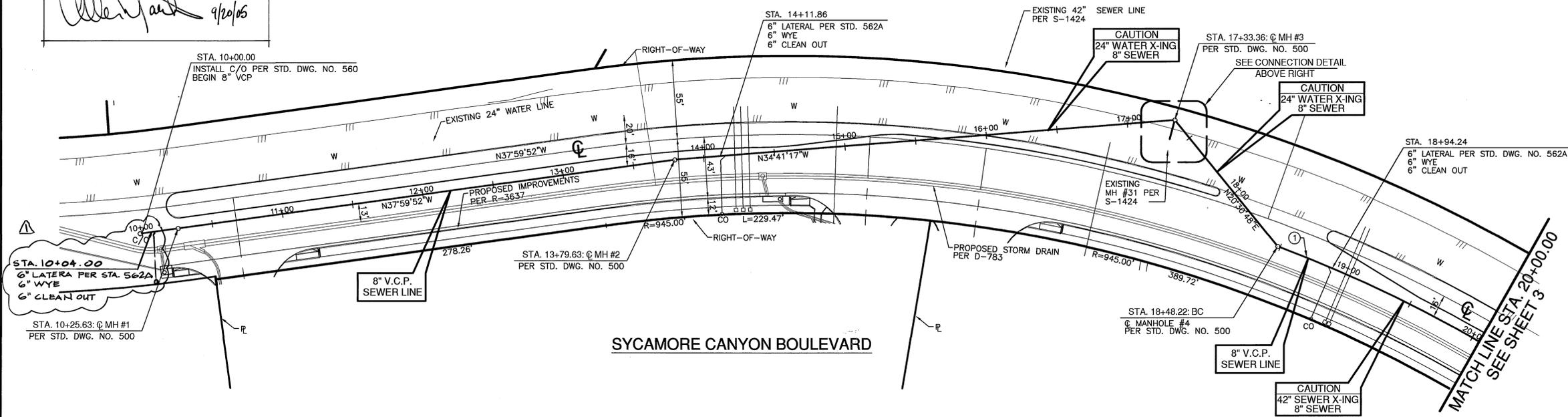
SCALE
HORIZ. 1"=10'
VERT. 1"=4'

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

ALL REVISIONS MARKED AS Δ
PREPARED UNDER THE DIRECT SUPERVISION OF ALLEN W. MARTIN
R.C.E. 38463, EXP. 3-31-07
Allen W. Martin 9/20/05

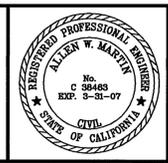
PIPE CURVE DATA

| # | Δ | R | L | T |
|---|----------|---------|---------|--------|
| 1 | 8'50"15" | 984.00' | 151.78' | 76.04' |



DIGALERT
DIAL BEFORE YOU DIG
TOLL FREE
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

BENCH MARK:
L1-A3
PK NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET LIGHT POLE ALONG THE NORTHERLY CURB OF EASTRIDGE AVENUE, 82 FEET WESTERLY OF BOX SPRINGS BLVD.
ELEVATION: 1534.311



Southland Engineering
2200 BUSINESS WAY, Ste. 100
RIVERSIDE, CA 92501
(951) 788-8488
PREPARED UNDER THE SUPERVISION OF
Allen W. Martin
R.C.E. 38463 DATE 8-16-05 EXP. 3-31-07

ADD SEWER LATERAL AND RISE REVISIONS
CLEANOUT *Am*

| MARK | REVISIONS | APPR. DATE |
|------|-----------|------------|
| | | |

DESIGNED BY: JH DRAWN BY: AR CHECKED BY: AMM

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

| APPROVED BY | DATE | BY | APPROVED BY |
|--------------------|--------|--------------------|--------------------|
| <i>[Signature]</i> | 8/2/05 | <i>[Signature]</i> | <i>[Signature]</i> |

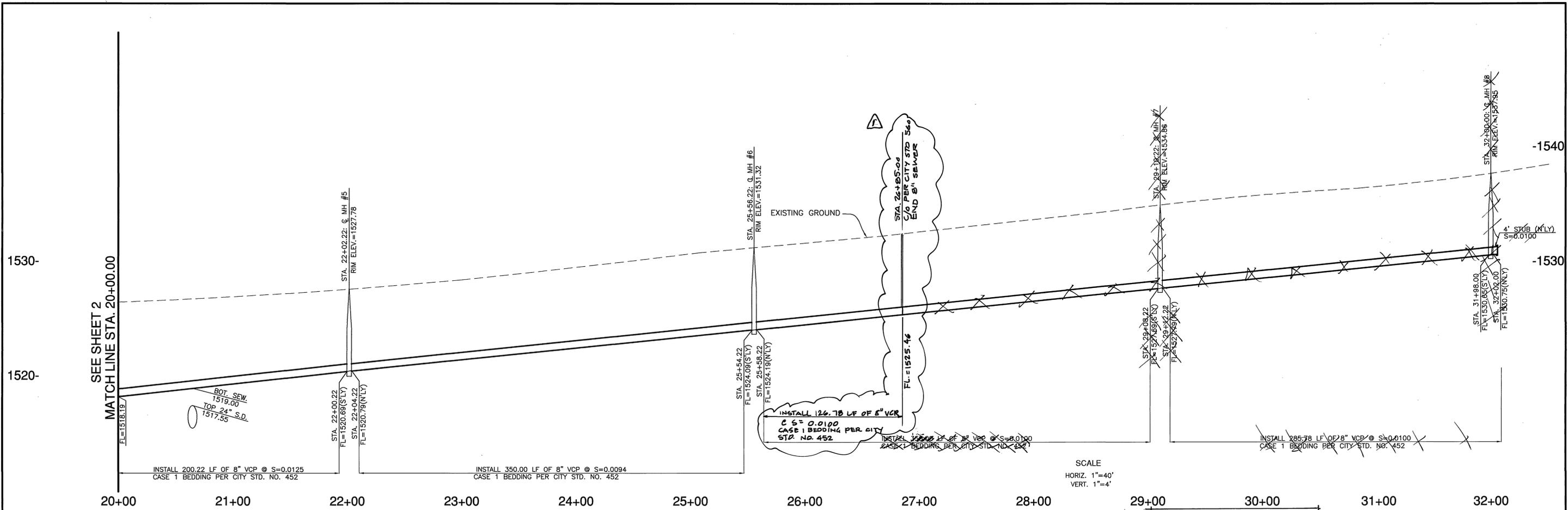
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
STREET SERVICES

SEWER PLAN AND PROFILE
SYCAMORE CANYON BOULEVARD
STA. 10+00.00 TO STA. 20+00.00
PM 24733
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PW04-0996
ACCOUNT NO.
S-1887
SHEET **2** OF **3**
24111

INDEXED 9-26-05 LHM

24111 (Sheet 2 of 3) sewer and profile plan (2000) 08-16-05

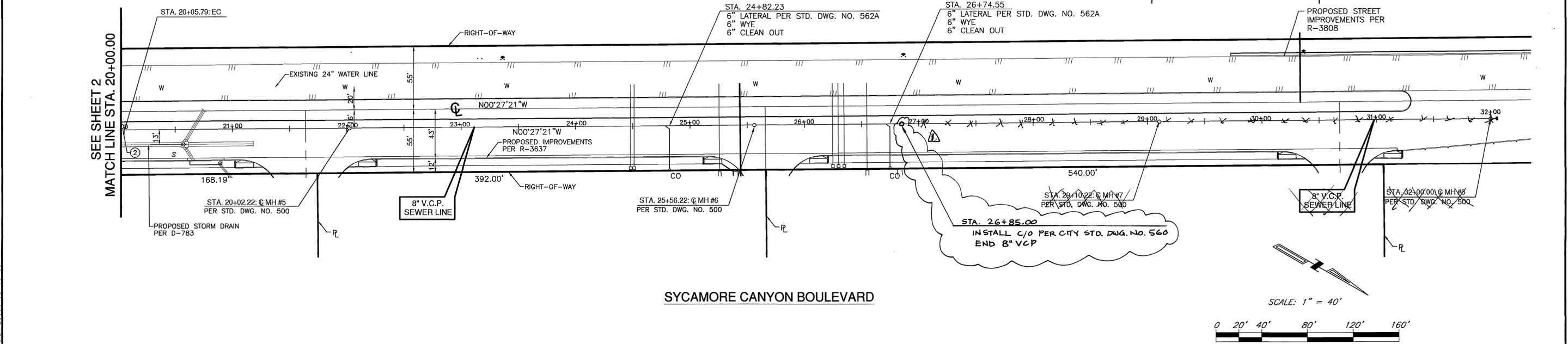


PIPE CURVE DATA

| # | Δ | R | L | T |
|---|----------|---------|-------|-------|
| ② | 0°20'13" | 984.00' | 5.79' | 2.89' |

ALL REVISIONS MARKED AS PREPARED UNDER THE DIRECT SUPERVISION OF ALLEN W. MARTIN, RCE 38463 EXP. 3-31-07.

Allen W. Martin 9/26/05



DIGALERT

CALL BEFORE YOU DIG

1-800-227-2600

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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Southland Engineering

2200 BUSINESS WAY, Ste. 100
RIVERSIDE, CA. 92501
(951) 788-8488

PREPARED UNDER THE SUPERVISION OF
Allen W. Martin
ALLEN W. MARTIN
R.C.E. 38463
DATE: 8/16/05
EXP. 3-31-07

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: *Allen W. Martin* DATE: 8/16/05
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
STREET SERVICES

REVISIONS

| MARK | REVISIONS | APPR. | DATE |
|------|--------------------------------------|-------|------|
| 1 | REMOVE 517 LF OF SEWER AND RZ R-3808 | | |
| 2 | # 2 MANHOLES ADD 1 Clean | | |
| 3 | 2x1' Dia | | |

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: *Allen W. Martin* DATE: 8/16/05
CITY ENGINEER

SEWER PLAN AND PROFILE

SYCAMORE CANYON BOULEVARD
STA. 20+00.00 TO STA. 32+09.38
PM 24733

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

PW04-0996
ACCOUNT NO.
S-1887
SHEET **3** OF **3**
24111

24111 (sh. 3 sewer and profile plan 2000) 08-16-05