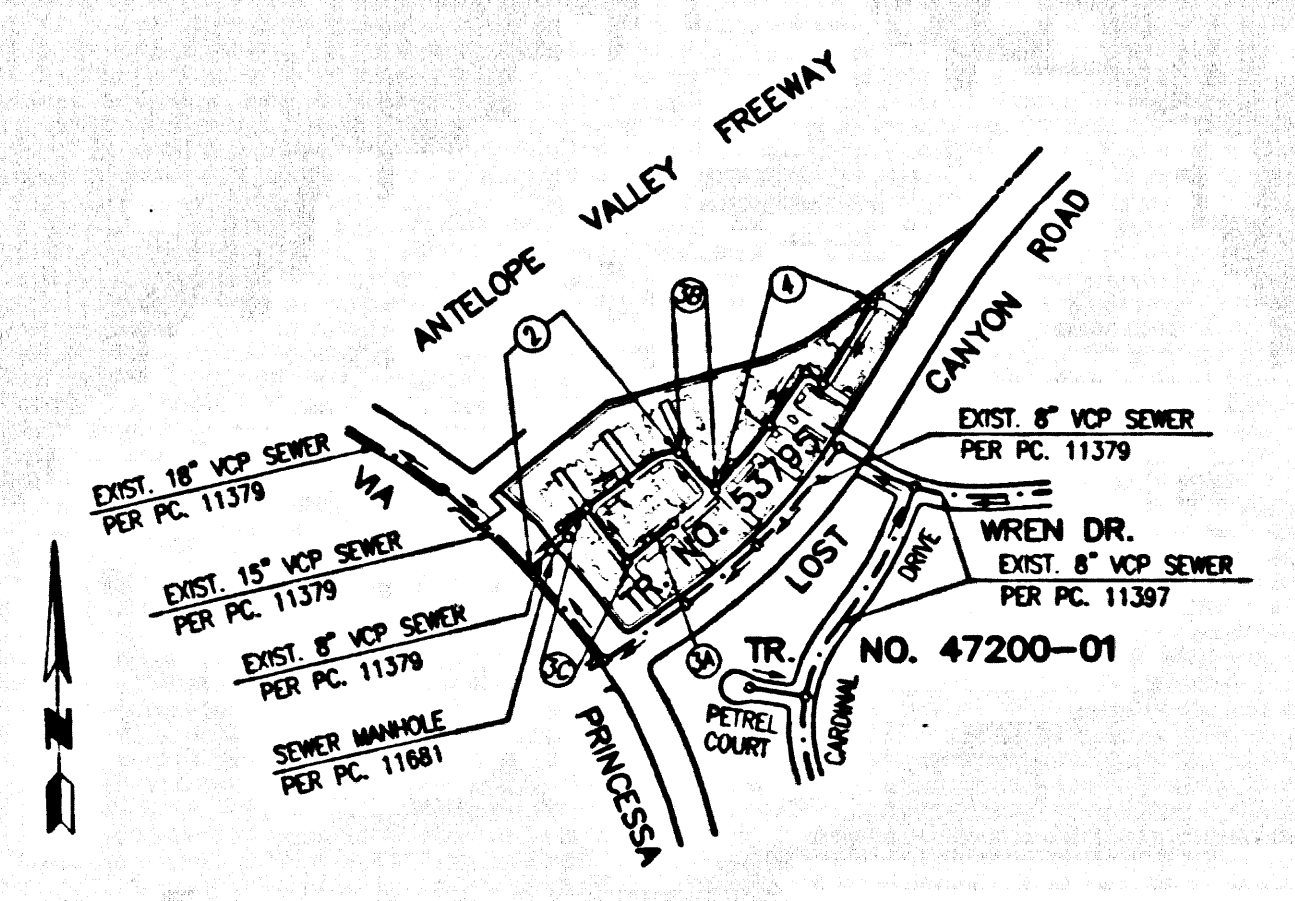


**BENCH MARKS**  
 BM L4595 Elev. 1501.585  
 L & T IN N CB 4 FT. E/O BCR AT NE COR.  
 SOLEDAD CYN. RD. & DEEP CREEK DR. 42 FT. N  
 & 61 FT. E/O APPROX. C/L INT.  
 NEWHALL QUAD 1993



**BUILDING AND SAFETY**  
 SANTA CLARITA OFFICE

**INDEX MAP-1417**  
 SCALE: 1" = 600'

P.C. NO. 11626 TRACT NO. 53795

THOMAS GUIDE PAGES: 4591, 4-5  
 NOTE: NUMBERS IN CIRCLES INDICATE PAGE NUMBERS

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	REVISED PORTION OF SEWER PLAN & PROFILE FROM STA 0+00 TO STA 13+45, PAVED PER PC 11626	[Signature]	[Signature]	2/14/03

ISSUE NO. H.L. PERMITS UNTIL OUTLET P.C. 11379 AND S.C. 48811 ARE ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES

**STORMWATER POLLUTION CONTROL REQUIREMENTS FOR SEWER CONSTRUCTION**

- Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheet flow, swales, or drains, natural drainage courses, or wind.
- Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- Fuels, oils, solvents, and other toxic materials must be stored in accordance with their labeling and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
- Trash and construction-related solid wastes must be deposited into a covered receptacle to prevent contamination of collector and dispersed by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadway must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.

- |   |  |
|---|--|
| CA001 - Dewatering Operations               | ESC10 - Seeding and Planting             |
| CA002 - Paving Operations                   | ESC11 - Mulching                         |
| CA003 - Structure Construction and Painting | ESC20 - Geotextiles and Mats             |
| CA010 - Material Delivery and Storage       | ESC21 - Dust Controls                    |
| CA020 - Solid Waste Management              | ESC22 - Temporary Stream Crossings       |
| CA021 - Hazardous Waste Management          | ESC23 - Construction Road Stabilization  |
| CA022 - Concrete Waste Management           | ESC24 - Stabilized Construction Entrance |
| CA024 - Sanitary/Septic Waste Management    | ESC25 - Storm Drain Inlet Protection     |
| CA030 - Vehicle and Equipment Cleaning      |  |
| CA031 - Vehicle and Equipment Fueling       |  |
| CA032 - Vehicle and Equipment Maintenance   |  |
| ESC01 - Scheduling                          |  |
| ESC02 - Preservation of Existing Vegetation |  |

**STANDARD PLANS:**

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE FOLLOWING DEPARTMENTS SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT.

- LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
- APWA 208-0 BREAKING INTO EXISTING MANHOLES
- APWA 223-0 HOUSE CONNECTION SEWER
- APWA 200-2 NON-REINFORCED PRECAST CONCRETE MANHOLE
- APWA 225-1 BLANKET PROTECTION FOR PIPES

21/26/2006  
 COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 LAND DEVELOPMENT DIVISION

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWER SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICTS FOR SAID CONNECTIONS.

BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, A SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE AT (661) 266-4683, SO THAT REQUIRED INSPECTION CAN BE MADE.

**PRIVATE CONTRACT SEWER GENERAL NOTES**

- A sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the Department of Public Works at the Permit Counter, 900 South Fremont Avenue, 8th Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as Road Excavation, California, etc. must be filed with the permit application.
- Prior to issuance of any permit, the contractor shall file a permit for excavations and trenches from the State of California Division of Industrial Safety, and a Certificate of Worker's Compensation Insurance with the Department of Public Works named as the Certificate Holder to be notified 30 days prior to work.
- If work is done in a State Highway, a permit must be obtained from the State of California Division of Highways, 120 South Spring Street, Los Angeles, California.
- When work is within a contract city, the contractor must contact the Director of Public Works of that city, to determine the location to pay the inspection fee.
- The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
- Approval of this plan by the County of Los Angeles does not constitute a representation as to accuracy of the location of or the existence or non-existence of any underground utility pipe or structure within the limits of this project. This note applies to all pipes.
- All work shall be in accordance with the latest approved edition of the "Standard Specifications for Public Works Construction, including supplements and the latest Special Provisions for the Construction of Sanitary Sewers and shall be protected only in the presence of the Department of Public Works.
- The contractor's attention is directed to Section 7-10.4.1 of the Standard Specifications for Public Works Construction in regard to safety orders and shall conform to the "Minimum Public Safety Requirements" as shown on Los Angeles Department of Public Works' Standard S-2.
- Elevations are in feet above U.S.C. & G.S. sea level datum of 1929.
- No revisions shall be made in these plans without the approval of the Director of Public Works.
- No representative of the Department of Public Works will survey or lay out any portion of the work.
- Grades to which this improvement is to be constructed are shown on plans and profiles. Grade points for top of curbs, centerline of streets, or centerline of alleys, are shown on profiles of all points between designated points. The grade shall be established as to conform to a straight line drawn between said designated points.
- The private engineer shall furnish the Department of Public Works with grade sheets and stationing for house laterals and "T" or "F" branches and shall provide stakes for them at their proper locations with stationing plainly marked. All house laterals shall be constructed in a straight alignment at right angles from the main line sewer, except as shown on the plans. House laterals from chimneys shall not have an angle of less than 45 degrees with the M.L. sewer. Any change in alignment shall be requested in writing by the private engineer.
- The private engineer shall furnish the house lateral depth at the Property Line before the top of curb elevation for each house lateral on the grade sheet.
- The Engineer shall review this plan to show the as-built location of House Laterals before the Sewer is accepted for public use and the Sewer security can be released.

**CONSTRUCTION NOTES**

- Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole.
- Verified city pipe joints shall be type "D" or "C" per standard specifications section 208-2.
- If a pipe joint is within three feet of the sewer, the sewer shall be encased per standard plan S-23, case 2, two feet on each side from the point of interference.
- All joints between cast iron pipe and vitrified clay shall be made with a rubber sleeve joint, type "D" (with bushing if necessary) per standard specifications section 208-2.
- House laterals to be constructed with inverts at the property line 8 feet below curb grade except as noted.
- Use of tee branches may be used for connections to the mainline sewers except as noted.
- If during the course of construction, it is determined that there is less than four feet of cover over the top of a manhole or house lateral V.C.P. sewer which is not indicated on the plans, the pipes shall be encased per standard plan S-23, case 2, unless otherwise approved by the Director of Public Works.
- All structures shall be either brick sewer manholes per standard plan S-5, or precast concrete sewer manholes per standard plan S-5b, or reinforced precast concrete manhole per standard plan S-8, except as noted.
- rearrange all trenches within paved areas to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permit.
- Full compliance with section 306-1.3.4 of the standard specification will be required for backfill in street certification of backfill composition and sand equivalent by a qualified civil engineer shall be provided by the permittee prior to the issuance of a certificate of partial acceptance.
- All backfill and fill outside of the street right of way shall be compacted to 90% of the maximum density as determined by ASTM soil composition test D 1557-75 method "D" unless otherwise specified. This shall be certified by a qualified civil engineer. This certification shall be submitted to the Construction Division of the Department of Public Works prior to the acceptance of the work by the county.
- Manhole tops in unimproved rights of way to be six inches above finished grade.
- Sewers to be tested for leakage per section 306-1/4 of the standard specifications and special provisions.
- All Wyes and/or House Laterals are to be located at least five feet apart and when possible not closer than five feet to any Manhole.

**PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN**

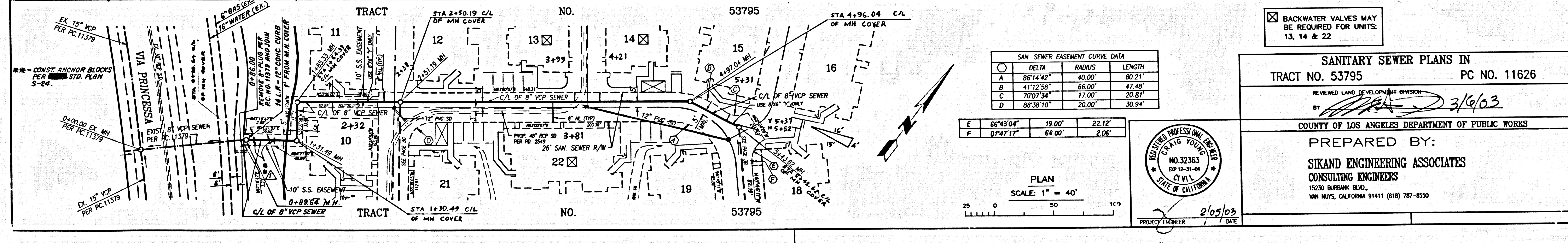
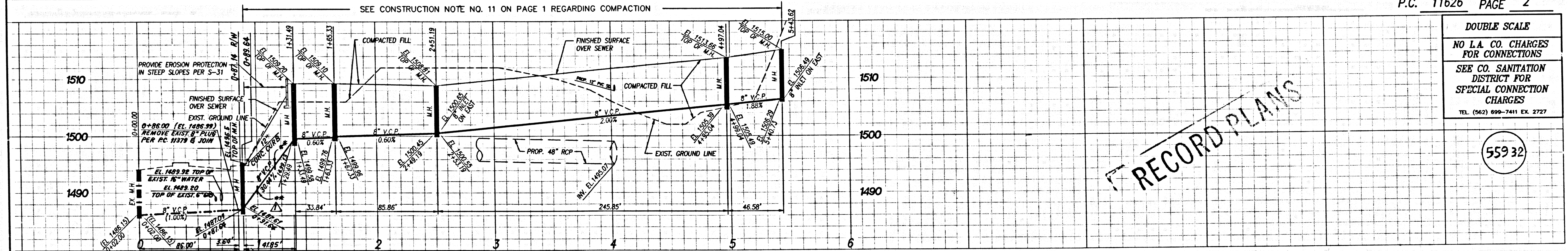
TRACT NO. 53795 PC NO. 11626  
 2 SHEETS: 4 PAGES  
 COUNTY OF LOS ANGELES CALIFORNIA  
 INDEX 1417

JAMES A. NOYES DIRECTOR OF PUBLIC WORKS  
 APPROVED: LAND DEVELOPMENT DIVISION  
 BY: [Signature] 3/6/03  
 ASSISTANT DIVISION ENGINEER  
 SUBMITTED: [Signature] 3/6/03  
 SEWERAGE PLAN CHECKING SECTION

APPROVED: COUNTY SANITATION DISTRICT OF LOS ANGELES COUNTY  
 JAMES F. STAHLE - CHIEF ENGINEER and GENERAL MANAGER 55931  
 COUNTY SANITATION DISTRICT NO. 26  
 BY: [Signature] DATE: 3/13/03  
 OFFICE ENGINEER

**PRIVATE ENGINEERS NOTICE TO CONTRACTORS:**

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS REQUIRED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS MAP. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TOLL FREE 1-800-422-1133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CHAMBERS OF GENERAL TELEPHONE COMPANY AT 1-800-248-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.  
 DATE: 2/5/03  
 RCE NO. 32363



**SAN SEWER EASEMENT CURVE DATA**

DELTA	RADIUS	LENGTH
A 86°14'42"	40.00'	60.21'
B 41°12'58"	66.00'	47.48'
C 70°07'34"	17.00'	20.81'
D 88°38'10"	20.00'	30.94'

E	F	G
66°43'04"	19.00'	22.12'
0°47'17"	66.00'	2.06'

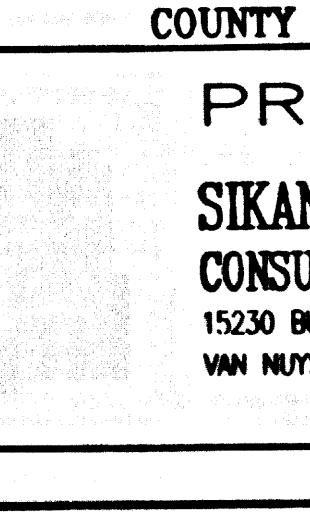
PLAN  
 SCALE: 1" = 40'  
 25 0 50 100  
 DATE: 2/05/03  
 PROJECT ENGINEER

**SANITARY SEWER PLANS IN**  
 TRACT NO. 53795 PC NO. 11626  
 REVISED LAND DEVELOPMENT DIVISION  
 BY: [Signature] 3/6/03  
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS  
 PREPARED BY:  
**SIKANG ENGINEERING ASSOCIATES**  
 CONSULTING ENGINEERS  
 15230 BURBANK BLVD.,  
 VAN NUYS, CALIFORNIA 91411 (818) 787-8550

**DOUBLE SCALE**  
 NO L.A. CO. CHARGES FOR CONNECTIONS  
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
 TEL. (662) 699-7411 EX. 2727  
 55932

P.C. 11626 PAGE 2

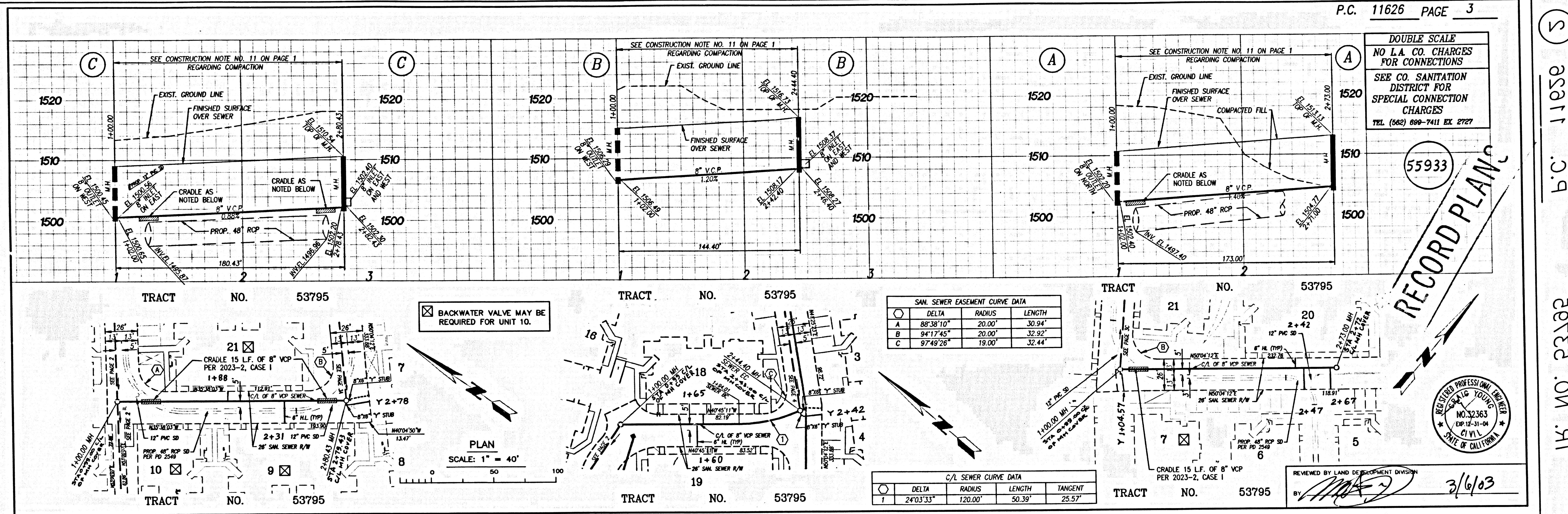
BACKWATER VALVES MAY BE REQUIRED FOR UNITS: 13, 14 & 22



1  
 85811 C.C.  
 20732 0M TCAAT  
 B.C. 11050

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DOUBLE SCALE  
NO L.A. CO. CHARGES  
FOR CONNECTIONS  
SEE CO. SANITATION  
DISTRICT FOR  
SPECIAL CONNECTION  
CHARGES  
TEL. (682) 699-7411 EX. 2727

55933  
**RECORD PLANS**

REGISTERED PROFESSIONAL ENGINEER  
NO. 32363  
EX. 27-24-04  
CIVIL  
STATE OF CALIFORNIA

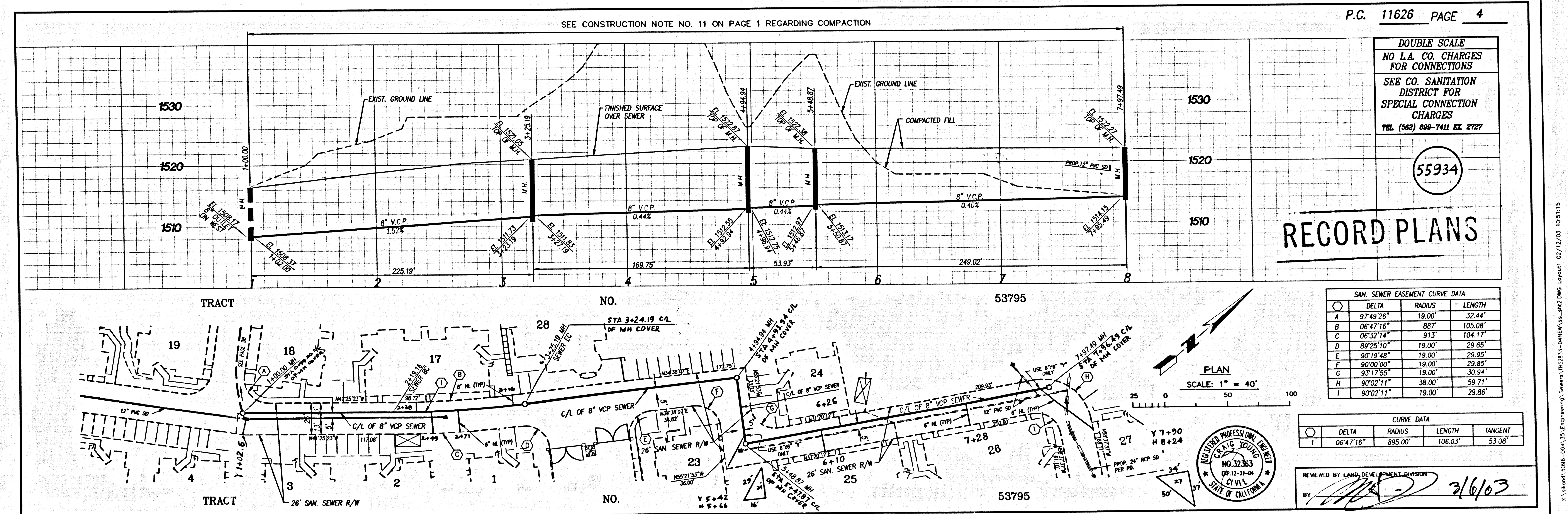
SAN. SEWER EASEMENT CURVE DATA

DELTA	RADIUS	LENGTH
A 88°38'10"	20.00'	30.94'
B 94°17'45"	20.00'	32.92'
C 97°49'26"	19.00'	32.44'

C/L SEWER CURVE DATA

DELTA	RADIUS	LENGTH	TANGENT
1 24°03'33"	120.00'	50.39'	25.57'

REVIEWED BY LAND DEVELOPMENT DIVISION  
3/6/03



DOUBLE SCALE  
NO L.A. CO. CHARGES  
FOR CONNECTIONS  
SEE CO. SANITATION  
DISTRICT FOR  
SPECIAL CONNECTION  
CHARGES  
TEL. (682) 699-7411 EX. 2727

55934  
**RECORD PLANS**

REGISTERED PROFESSIONAL ENGINEER  
NO. 32363  
EX. 27-24-04  
CIVIL  
STATE OF CALIFORNIA

SAN. SEWER EASEMENT CURVE DATA

DELTA	RADIUS	LENGTH
A 97°49'26"	19.00'	32.44'
B 06°47'16"	887'	105.08'
C 06°32'14"	913'	104.17'
D 89°25'10"	19.00'	29.65'
E 90°19'46"	19.00'	29.85'
F 90°00'00"	19.00'	29.85'
G 93°17'55"	19.00'	30.94'
H 90°02'11"	38.00'	59.71'
I 90°02'11"	19.00'	29.85'

CURVE DATA

DELTA	RADIUS	LENGTH	TANGENT
1 06°47'16"	885.00'	106.03'	53.08'

REVIEWED BY LAND DEVELOPMENT DIVISION  
3/6/03

S 0811 39 2072 00 9T

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