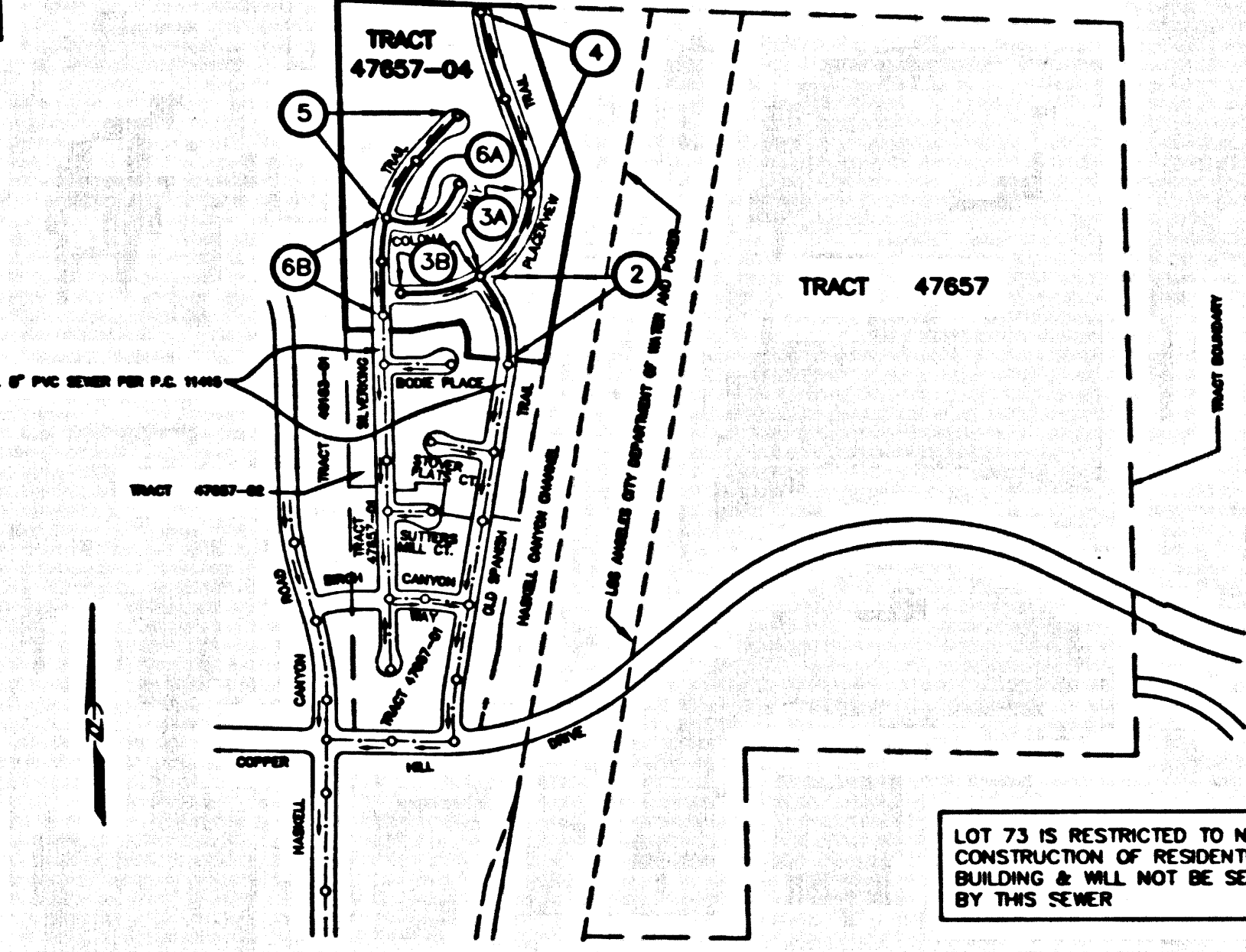


**BENCH MARK**  
 NEWHALL (1965)  
 DFW BM TAG IN S CB 14FT W/O BCR AT SW COR  
 COPPER HILL DR & HASKELL CYN RD 80FT W AND  
 32FT S/O C/L INT (NR W END C B)  
 ELEV. 1376.690 B.M. NO. L 5328



NOTE: NUMBERS IN CIRCLE INDICATES PAGE NUMBER  
**INDEX MAP**  
 SCALE 1" = 600'  
 P.C. 11448 TRACT NO. 47657-04  
 THOMAS GUIDE PAGE 4481-B4 INDEX N-1332

NO.	REVISION	REVISED BY	APPROVED BY	DATE

**STORMWATER POLLUTION CONTROL REQUIREMENTS FOR SEWER CONSTRUCTION**

- Erosion sediments and other pollutants must be retained on site and may not be transported from the site by street flow, runoff, or other means, 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 listing 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.
- Traffic and construction-related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersed by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways 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.

CAD01 - Dewatering Operations	ES010 - Seeding and Planting
CAD02 - Paving Operations	ES011 - Mulching
CAD03 - Structure Construction and Painting	ES020 - Geotextiles and Mats
CAD04 - Material Delivery and Storage	ES021 - Dust Controls
CAD05 - Solid Waste Management	ES022 - Temporary Stream Crossing
CAD06 - Hazardous Waste Management	ES023 - Construction Road Stabilization
CAD07 - Concrete Waste Management	ES024 - Stabilized Construction Entrance
CAD08 - Sanitary Sewer Waste Management	ES025 - Storm Drain Inlet Protection
CAD09 - Vehicle and Equipment Cleaning	
CAD10 - Vehicle and Equipment Maintenance	
CAD11 - Scheduling	
ES002 - Preservation of Existing Vegetation	

**STANDARD PLANS:**  
 THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE FOLLOWING DEPARTMENT SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:  
 LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

**LEGEND**

MINIMUM PUBLIC SAFETY REQUIREMENTS	2000-0
BRICK MANHOLE	2005-0
STANDARD MANHOLE STEP	2015-0
BEARING FOR SEWER PIPE	2021-0
CRACKING AND ENCASEMENT	2023-0
WYE OR TEE SUPPORT	2024-0
ALLOWABLE TRENCH WIDTHS	2027-0
LOCKING MANHOLE FRAME AND COVER	2110-0
NON-REINFORCED PRECAST CONCRETE MANHOLE	2001-0
BREAK INTO EXISTING MANHOLE	2110-0
SPECIAL HOUSE LATERALS	2222-0
EROSION PROTECTION IN STEEP SLOPES	2028-0
ANCHOR BLOCKS	2221-0
JACKING STEEL CASING FOR SEWER PIPE	2028-0
CHIMNEYS	2220-0

\* REFERS TO A.P.W.A. STD. DRAWING NO.

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNLESS A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICT FOR SAID CONNECTION 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 (800) 266-6683 SO THAT REQUIRED INSPECTIONS CAN BE MADE.

ALLOW NO H.A. CONNECTION PERMITS UNTIL OUTLET SEWER P.C. 11415 IS ACCEPTED BY LOS ANGELES COUNTY FOR PUBLIC USE.

**PRIVATE CONTRACT SEWER GENERAL NOTES**

- The following general notes are to be included on Page 1 of all Private Contract Sewer Plans:  
 A sewer construction permit shall be obtained and a fee paid. Construction inspection and record plans to the Department of Public Works at the Permit Counter, 900 South Fremont Avenue, 8th Floor, Alhambra, at least 12 hours prior to starting work under this permit. Copies of all other required permits, such as Road Excavation, Caltrans, etc., must be filed with the permit application.
- Prior to issuance of any permit, the contractor shall file a permit for excavation 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 commencing work on the project. This note applies to all pages.
- 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 pipes or structure within the limits of this project. This note applies to all pages.
- All work shall be in accordance with the latest approved edition of the "Standard Specifications for Public Works Construction, including amendments and the latest Special Provisions for the Construction of Sanitary Sewers and shall be procured 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.
- Excavations 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 by circles on profiles at all points between designated points. The grade shall be established so 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 all house laterals and "Y" or "T" branches and shall provide stationing for them at their proper locations with stationing given in feet. All house laterals shall be constructed in a straight alignment, at right angles from the "L" 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 of the property line below the top of curb section for each house lateral on the grade sheet.
- The engineer shall revise this plan to show the actual location of house laterals before the sewer is accepted for public use and the sewer assembly 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 clay pipe joints shall be type "D" or "G" per standard specifications section 208-2.
  - If a pipe is within three feet of the sewer, the sewer shall be encased per standard plan S-23, case 8, 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 hauling if necessary) per standard specifications section 208-2.
  - House laterals to be constructed with inverts at the property line 6 feet below curb grade except as noted.
  - Wye or tee branches may be used for connections to the mainline sewers 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 structure 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 shown on this map. Prior to excavation the contractor shall call toll free 1-800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-800-422-4133 THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.
  - 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 compaction test D 1557-78 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 308-1/5 of the standard specifications and special provisions.

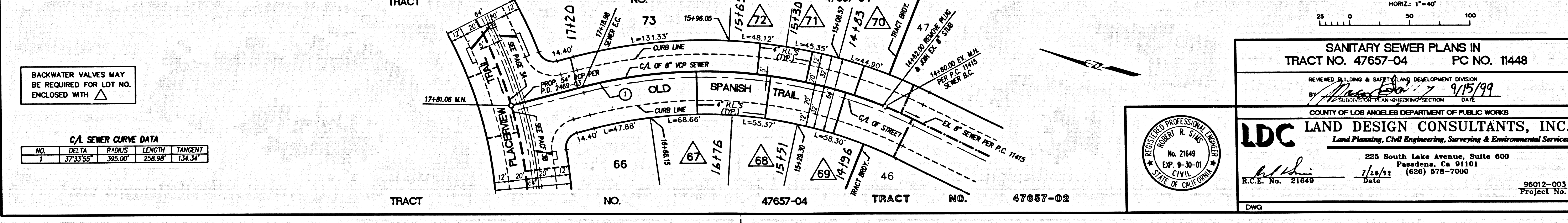
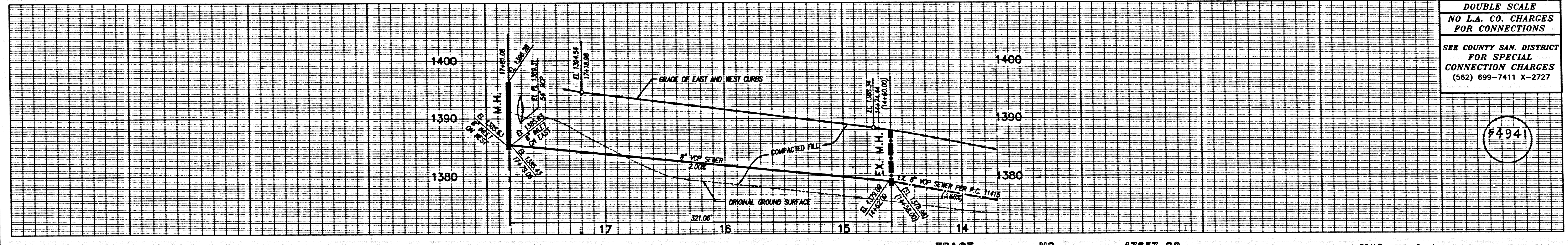
PAGE 1  
 PROFILE, ALIGNMENT AND GRADE OF  
**SANITARY SEWERS** 54940  
 TO BE CONSTRUCTED IN  
 TRACT NO. 47657-04 PC NO. 11448  
 3 SHEETS: 6 PAGES  
 COUNTY OF LOS ANGELES CALIFORNIA  
 INDEX N-1332

HARRY W. STONE DIRECTOR OF PUBLIC WORKS  
 APPROVED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION  
 BY *Ronald D. Oudens* 9/16/99  
 SUBMITTED BY *Phyllis Quinn* 9/16/99

APPROVED: COUNTY SANITATION DISTRICT  
 OF LOS ANGELES CALIF.  
 CHARLES W. CARRITY - CHIEF ENGINEER and GENERAL MANAGER  
 COUNTY SANITATION DISTRICT NO. 28  
 BY *Spencer S. Suby* 9-20-99

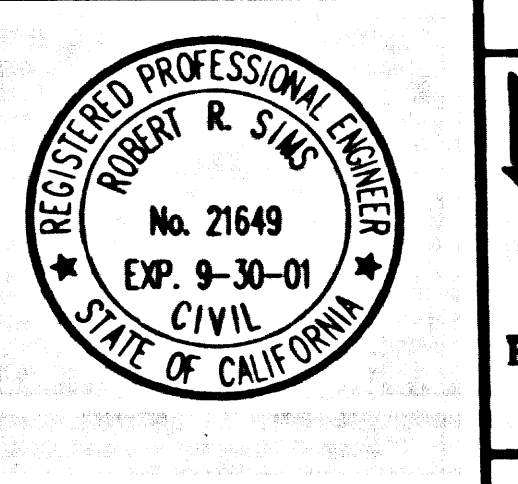
**PRIVATE ENGINEERS NOTICE TO CONTRACTORS:**  
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS REQUIRED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS MAP. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT SHOWN ON THIS MAP. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TOLL FREE 1-800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-800-422-4133 THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

*W.H.* 7/22/99  
 DATE



**C/L SEWER CURVE DATA**

NO.	DELTA	PIEDS	LENGTH	TANGENT
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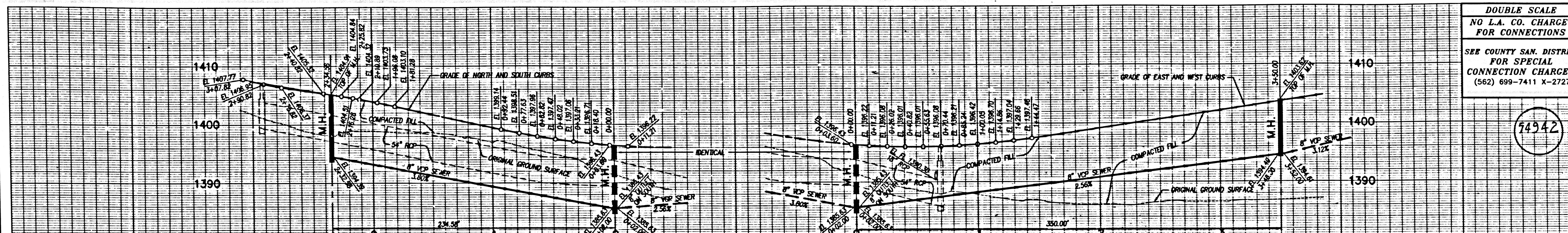


**SANITARY SEWER PLANS IN**  
 TRACT NO. 47657-04 PC NO. 11448  
 REVISED BUILDING & SAFETY/LAND DEVELOPMENT DIVISION  
 BY *Phyllis Quinn* 9/15/99  
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS  
**LDC LAND DESIGN CONSULTANTS, INC.**  
 Land Planning, Civil Engineering, Surveying & Environmental Services  
 225 South Lake Avenue, Suite 600  
 Pasadena, Ca 91101  
 (626) 578-7000  
 R.C.E. No. 21649 Date 7/22/99  
 DWG 96012-003 Project No.

8411 09 40-73074 10ART

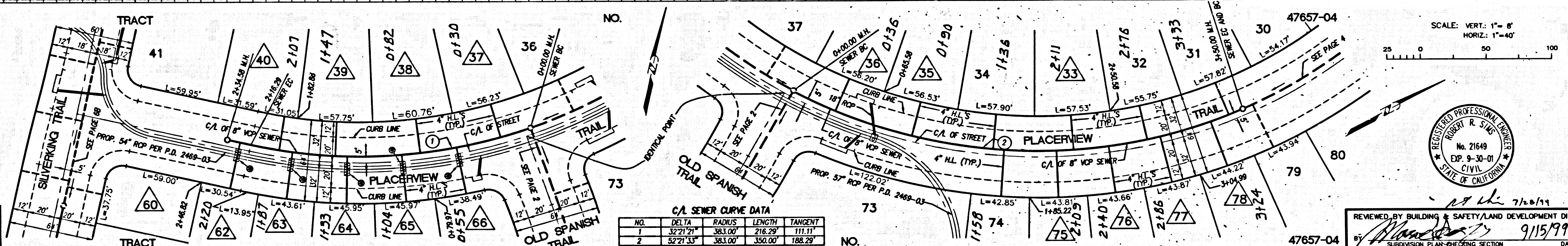
DOUBLE SCALE  
NO L.A. CO. CHARGES  
FOR CONNECTIONS  
SEE COUNTY SAN. DISTRICT  
FOR SPECIAL  
CONNECTION CHARGES  
(562) 699-7411 X-2727

74942

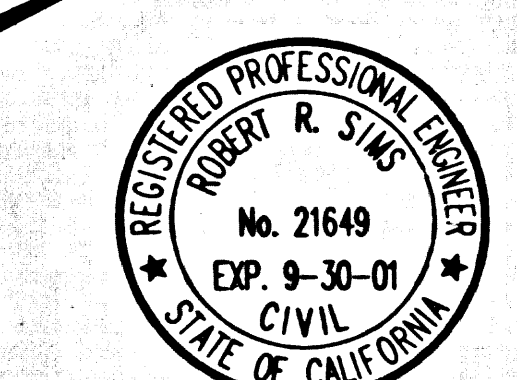


ENCASE 10' OF 4" H.L.'S PER  
S-23, CASE B, CONSTRUCT  
H.L. PER S-23, CASE 1.

BACKWATER VALVES MAY  
BE REQUIRED FOR LOT NO.  
ENCLOSED WITH  $\Delta$



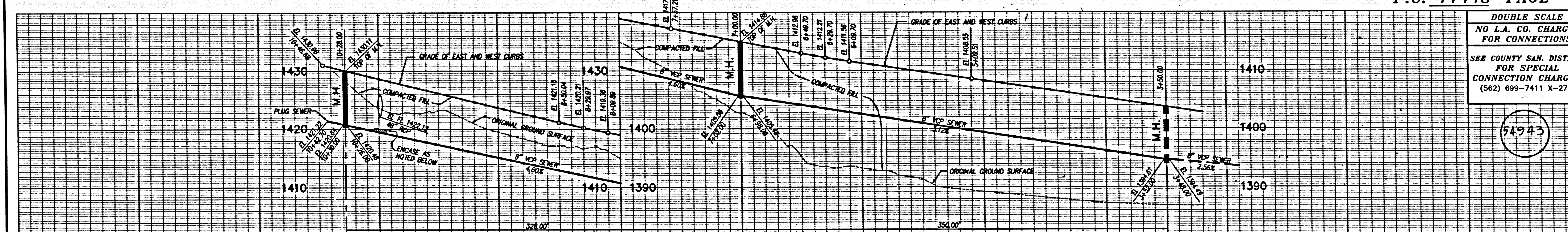
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HORIZ: 1"=40'



REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION  
DATE 9/15/99

DOUBLE SCALE  
NO L.A. CO. CHARGES  
FOR CONNECTIONS  
SEE COUNTY SAN. DISTRICT  
FOR SPECIAL  
CONNECTION CHARGES  
(562) 699-7411 X-2727

74943

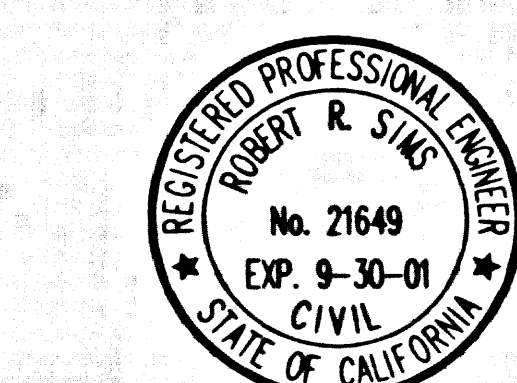


BACKWATER VALVES MAY  
BE REQUIRED FOR LOT NO.  
ENCLOSED WITH  $\Delta$

C/A SEWER CURVE DATA

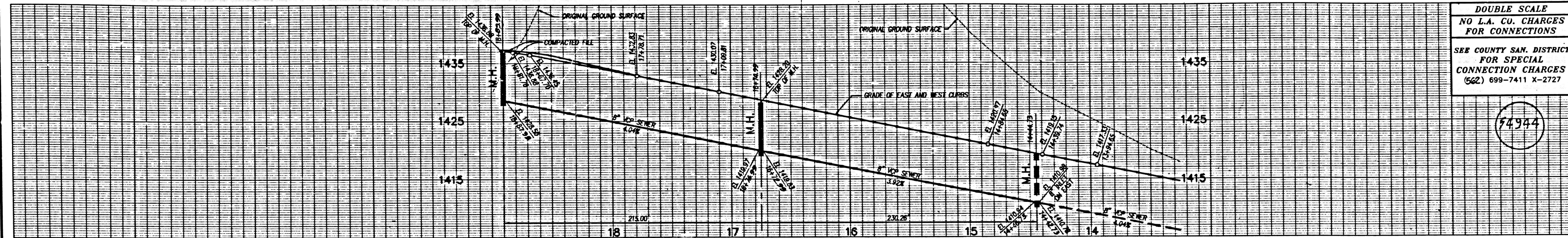
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2	11°28'46"	1355.00'	270.71'	135.81'
3	00°37'16"	1355.00'	14.70'	7.34'

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



REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION  
DATE 9/15/99

S 84411 09 40-72874 TRACT

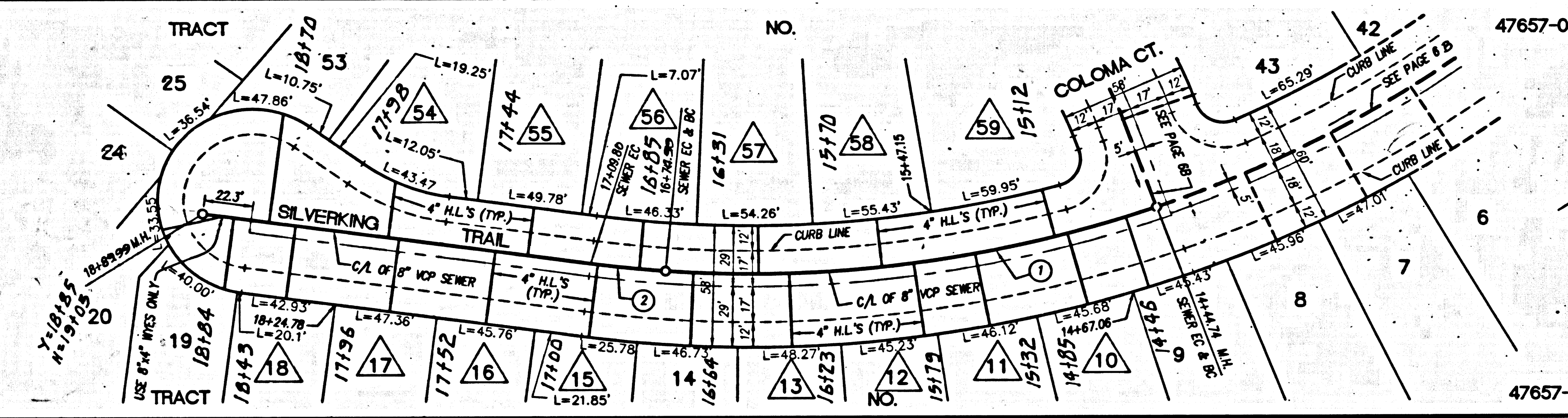


DOUBLE SCALE  
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SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 699-7411 X-2727

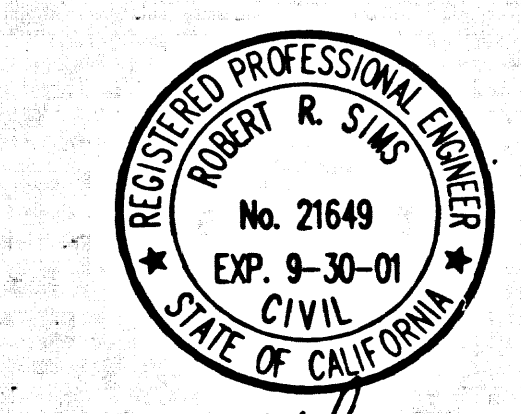
74944

C/L SEWER CURVE DATA

NO.	DELTA	RADIUS	LENGTH	TANGENT
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2	03°32'10"	564.00'	34.81'	17.41'

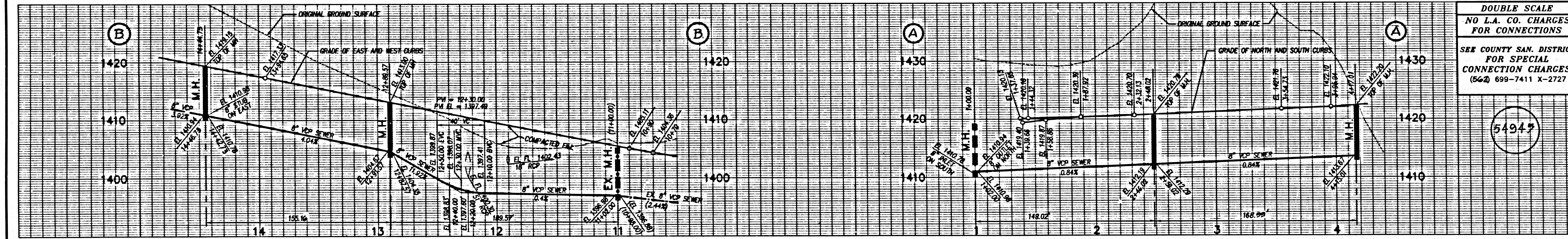


SCALE: VERT: 1"=8'  
HORIZ: 1"=40'



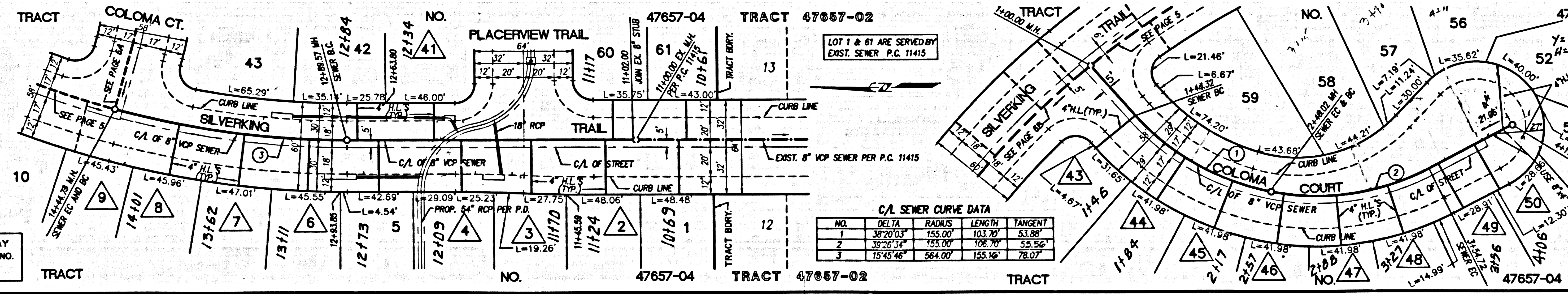
REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION  
BY *[Signature]* 9/15/99  
SUBDIVISION PLAT CHECKING SECTION DATE

BACKWATER VALVES MAY BE REQUIRED FOR LOT NO. ENCLOSED WITH  $\triangle$



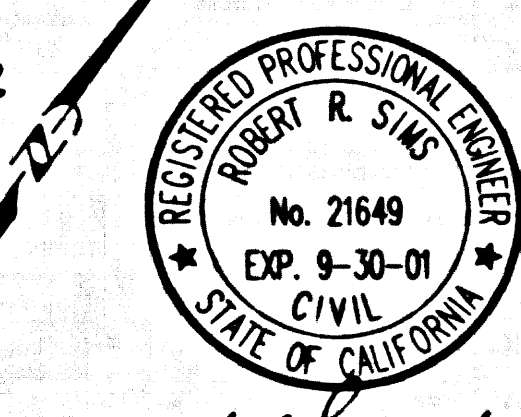
DOUBLE SCALE  
NO L.A. CO. CHARGES FOR CONNECTIONS  
SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 699-7411 X-2727

54947



C/L SEWER CURVE DATA

NO.	DELTA	RADIUS	LENGTH	TANGENT
1	36°20'03"	155.00'	103.40'	53.88'
2	32°22'14"	145.00'	108.70'	53.52'
3	15°42'46"	564.00'	155.10'	78.07'



REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION  
BY *[Signature]* 9/15/99  
SUBDIVISION PLAT CHECKING SECTION DATE

BACKWATER VALVES MAY BE REQUIRED FOR LOT NO. ENCLOSED WITH  $\triangle$

3 8441 09 40-72074 TCART