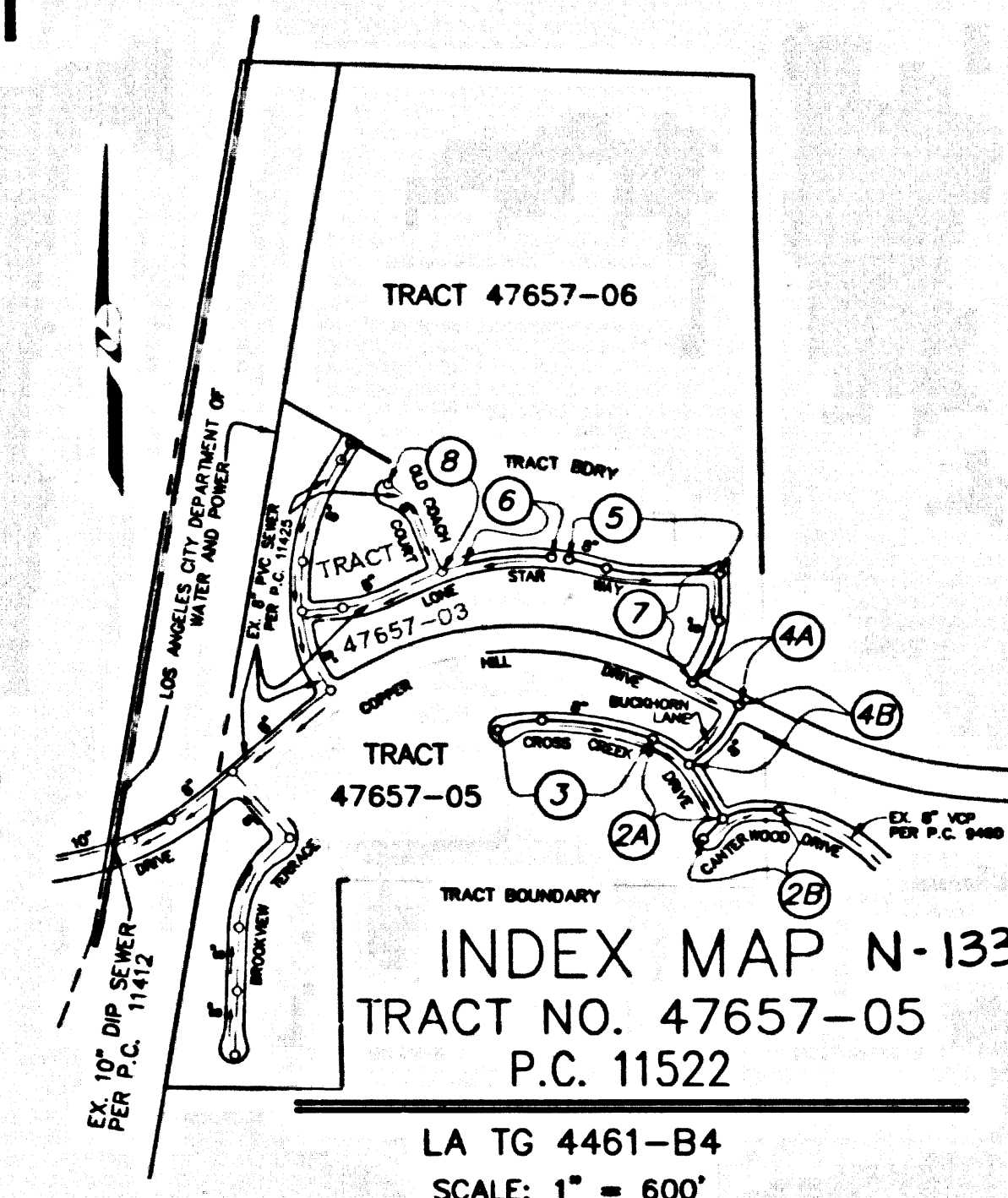


BENCH MARK
NEWHALL (1905)
DPW RM TAG IN S CB 14FT W/O BCR AT SW COR
COPPER HILL DR & HASKELL CYN ROD 80FT W AND
32FT S/O C/L INT (NR W END C B)
ELEV. 1376.690 B.M. NO. L 5328

THIS SEWER PRIVATE CONTRACT
ACCEPTED FOR PUBLIC USE
05/31/2005
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
LAND DEVELOPMENT DIVISION

CITY OF SANTA CLARITA
ACCEPTANCE OF SEWAGE
FLOW ONLY.
CITY ENGINEER



BUILDING AND SAFETY
SANTA CLARITA OFFICE

NO.	REVISION	REVISED BY	APPROVED BY	DATE

STORM WATER POLLUTION CONTROL REQUIREMENTS FOR SEWER CONSTRUCTION

- Erosion sediments and other pollutants must be retained on site and may not be transported from the site to street flow, water, or drainage courses, or into...
- Structures of earth and other construction related materials must be protected from being transported from the site by the force of wind or water.
- Fuels, oils, solvents, and other toxic materials must be stored in accordance with their listing and are not to be transported to 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 receive concrete wash 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 rainwater 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.

LEGEND

MINIMUM PUBLIC SAFETY REQUIREMENTS	2000-D
BRICK MANHOLE	2003-D
STANDARD MANHOLE STEP	2021-D
BEDDING FOR SEWER PIPE	2021-D
CHUCKLING AND ENCASMENT	2024-D
WYE OR TEE SUPPORT	2024-D
ALLOWABLE TRIGGER MATS	2027-D
LOOKING MANHOLE FRAME AND COVER	210-D
NON PRECAST CONCRETE MANHOLE	2201-D
BREAK INTO EXISTING MANHOLE	2210-D
SPECIAL HOUSE LATERALS	2222-D
EROSION PROTECTION IN STEEP SLOPES	2228-D
ANCHOR BLOCKS	2229-D
ANCHORING STEEL CASING FOR SEWER PIPE	2230-D
CHIMNEY PIPE AND BASE	227
MODIFIED DETAIL OF H.L. BASE FOR DRAWING NO.	S-8

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICT FOR THE 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 (626) 246-4083 SO THAT REQUIRED INSPECTIONS CAN BE MADE.

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 Franklin Avenue, 6th Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as Flood Elevation, Caltrans, 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 completion of 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 the existence or non-existence of any underground utility pipe 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 supplements and the latest Special Provisions for the Construction of Sanitary Sewers and shall be preceded 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.
- Crosses to which this improvement is to be constructed are shown on plans and profiles. Cross points for top of curbs, centerline of streets, or centerline of alleys, are shown by crosses on profiles at all points between designated points. The grade shall be established so as to conform to it except the drain 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 stakes for them at their proper locations with stationing clearly 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 H.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 below the top of curb elevations 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 use and the security can be released.

CONSTRUCTION NOTES

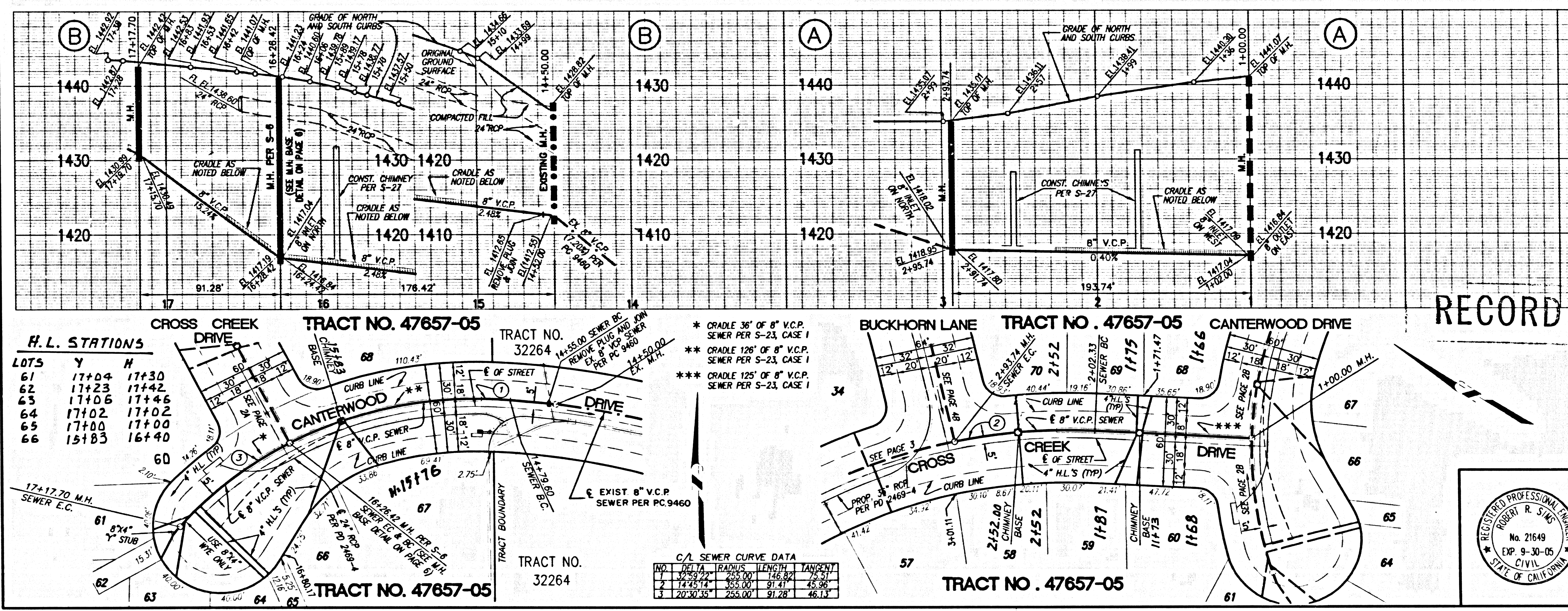
- Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole.
- Vertical dry pipe joints shall be type "D" or "D" per standard specifications section 208-2.
- If a power pole is within three feet of the sewer, the sewer shall be encased per standard plan S-23, case E, 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 6 feet below curb grade except as noted.
- Wye or tee branches may be used for connections to the mainline sewer 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 pipe shall be encased per standard plan S-23, case E, unless otherwise approved by the Director of Public Works.
- All structures shall be either brick sewer manholes per standard plan S-3 or precast concrete sewer manholes per standard plan S-36, or reinforced precast concrete manhole per standard plan S-8, except as noted.
- Reinforce all trenches within paved areas to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permits.
- Full compliance with section 308-1.3.4 of the standard specification shall be required for backfill in street certification of backfill composition and sand equivalents 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 compaction test D 1557, Method C, 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 308-1.4 of the standard specifications and special provisions.

PAGE 1
PROFILE, ALIGNMENT AND GRADE OF
SANITARY SEWERS
TO BE CONSTRUCTED IN
TRACT NO. 47657-05 PC NO. 11522
INDEX N-1332
4 SHEETS: 8 PAGES
COUNTY OF LOS ANGELES, CALIFORNIA

JAMES A. NOYES DIRECTOR OF PUBLIC WORKS
OF LOS ANGELES, CALIFORNIA
APPROVED BY LAND DEVELOPMENT DIVISION
BY *Dennis F. Hoover* 12/13/01
ASSISTANT DIVISION ENGINEER DATE

APPROVED: COUNTY SANITATION DISTRICT
OF LOS ANGELES, CALIFORNIA
JAMES F. STAMM, CHIEF ENGINEER and GENERAL MANAGER
COUNTY SANITATION DISTRICT NO. 246
BY *S. J. ...* DATE: 12/14/2001
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 1-800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL SIX RAY CUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-800-244-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND UTILITY LINES.
R.C.E. NO. 21649 DATE: 12/11/01



P.C. 11522 PAGE 2
DOUBLE SCALE
NO L.A. CO. CHARGES FOR CONNECTIONS
SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 698-7411 X-2727
77308

H.L. STATIONS

LOTS	Y	H
61	17+04	17+30
62	17+23	17+42
63	17+05	17+46
64	17+02	17+02
65	17+00	17+00
66	15+83	16+40

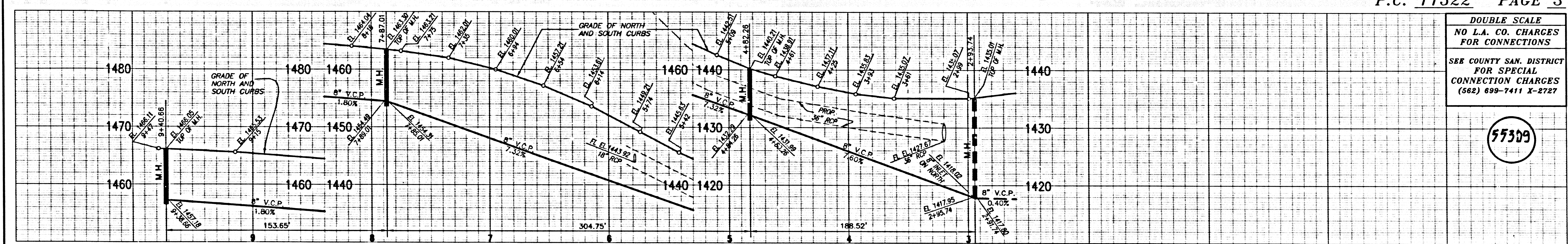
C/L SEWER CURVE DATA

STATION	PIVOT	RADIUS	LENGTH	TANGENT
17+00	17+00	250.00	146.82	25.00
20+50	20+50	250.00	91.28	46.19

SCALE: VERT: 1" = 8'
HORIZ: 1" = 40'
25 0 50 100

DRY SANITARY SEWER PLANS IN
TRACT NO. 47657-05 P.C. NO. 11522
REVIEWED LAND DEVELOPMENT DIVISION
BY *M. ...* 12/13/01
SUBDIVISION PLAN CHECKING SECTION DATE
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. 21649 DATE: 12/11/01
PROJECT NO. 96013-003

RECORD PLANS

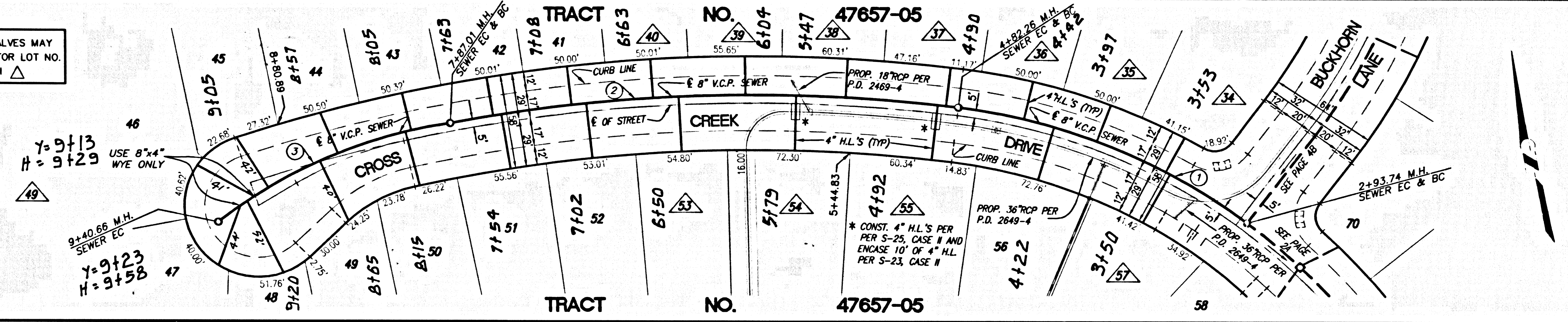


DOUBLE SCALE
NO L.A. CO. CHARGES FOR CONNECTIONS
SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 699-7411 X-2727

55309

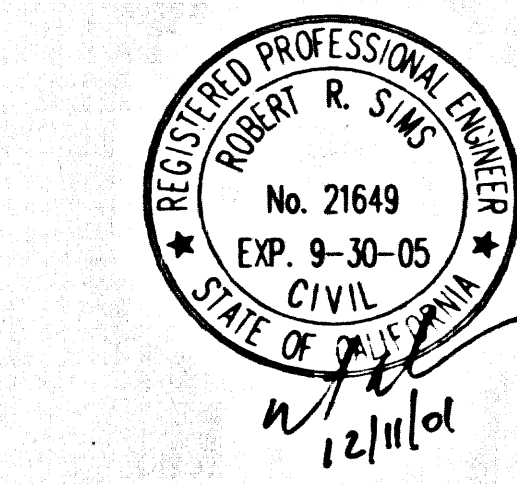
RECORD PLANS

BACKWATER VALVES MAY BE REQUIRED FOR LOT NO. ENCLOSED WITH Δ



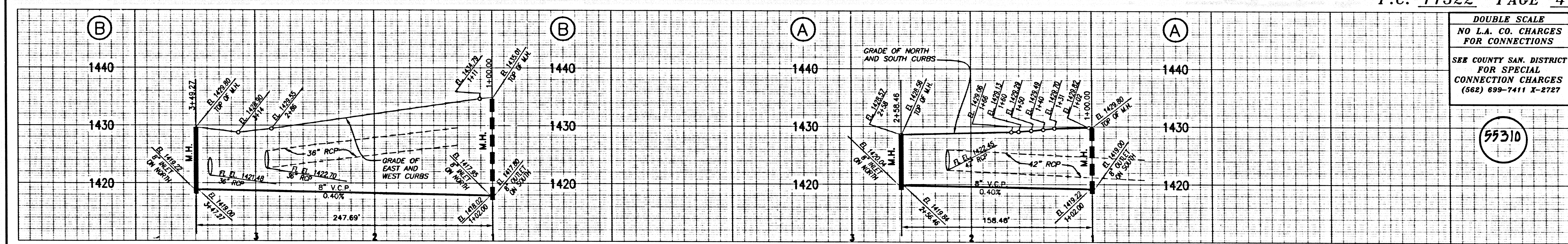
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SCALE: VERT: 1"=8'
HORIZ: 1"=40'

REVIEWED BY LAND DEVELOPMENT DIVISION
DATE: 12/13/01

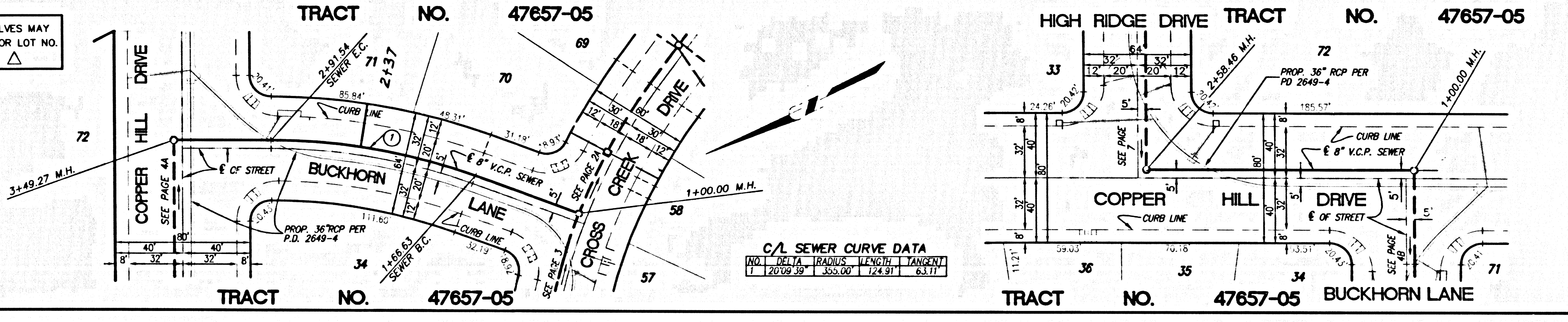


DOUBLE SCALE
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SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 699-7411 X-2727

55310

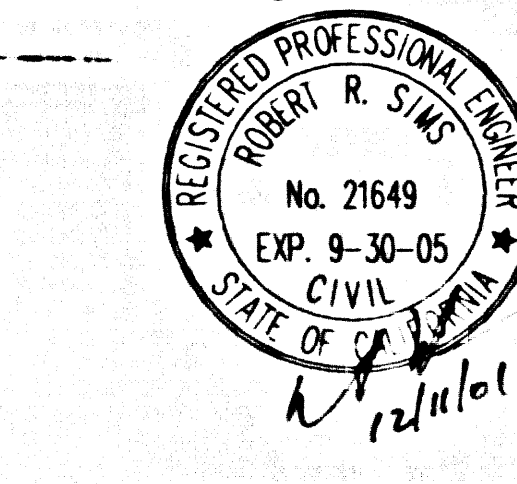
RECORD PLANS

BACKWATER VALVES MAY BE REQUIRED FOR LOT NO. ENCLOSED WITH Δ



C/L SEWER CURVE DATA

NO.	DELTA	RADIUS	LENGTH	TANGENT
1	20.00	355.00	124.91	63.17
2	30.00	355.00	124.91	63.17

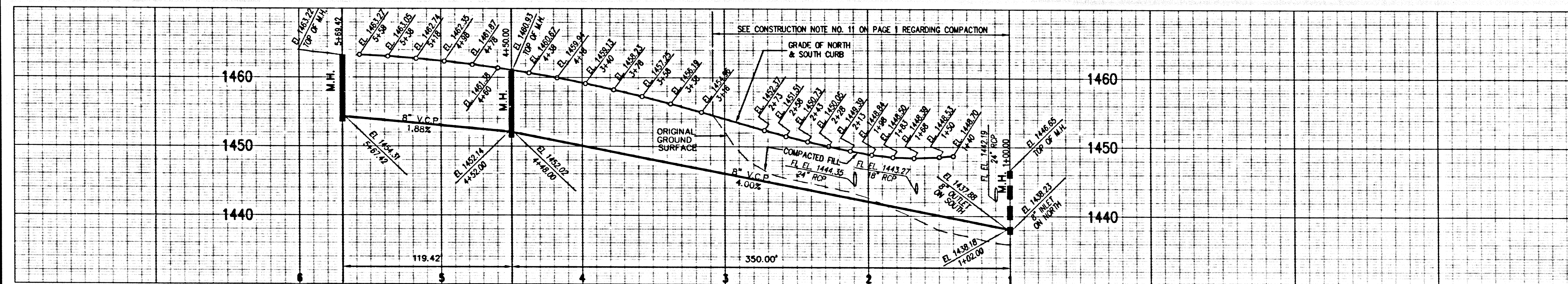


SCALE: VERT: 1"=8'
HORIZ: 1"=40'

REVIEWED BY LAND DEVELOPMENT DIVISION
DATE: 12/13/01

S 22417 .C.P. 20-72874 .ON .PT

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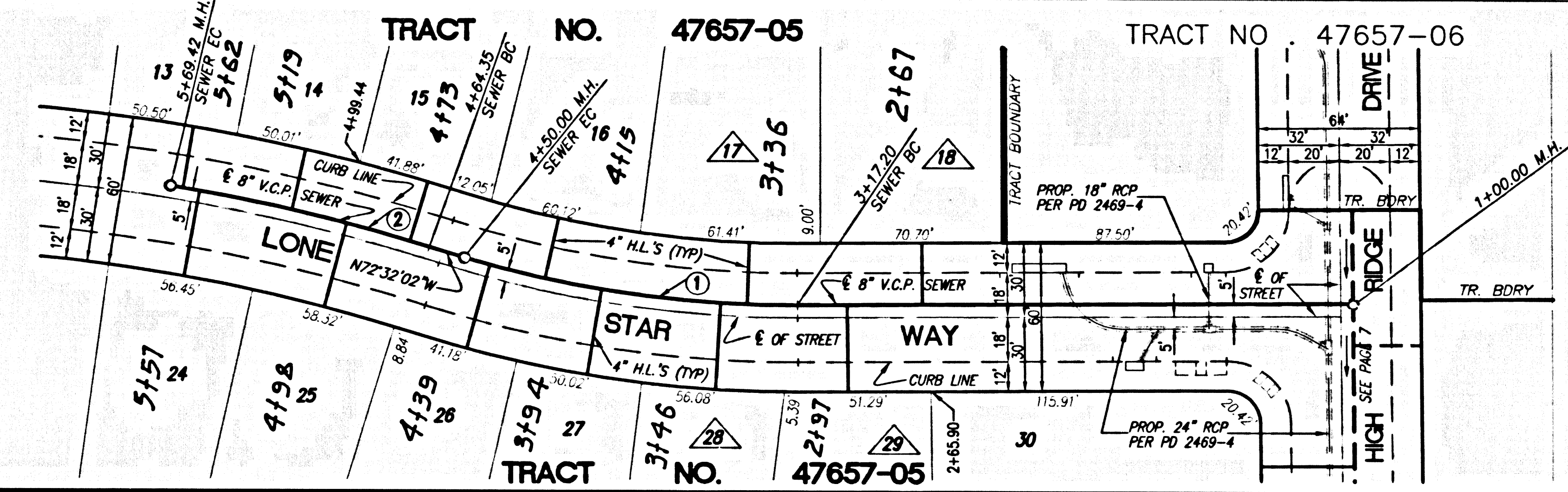


DOUBLE SCALE
NO L.A. CO. CHARGES
FOR CONNECTIONS
SEE COUNTY SAN. DISTRICT
FOR SPECIAL
CONNECTION CHARGES
(562) 699-7411 X-2727

55311

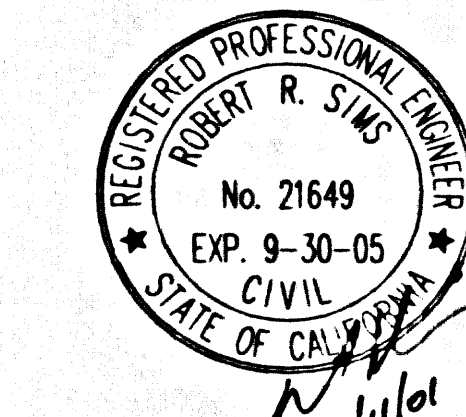
RECORD PLANS

BACKWATER VALVES MAY
BE REQUIRED FOR LOT NO.
ENCLOSED WITH Δ



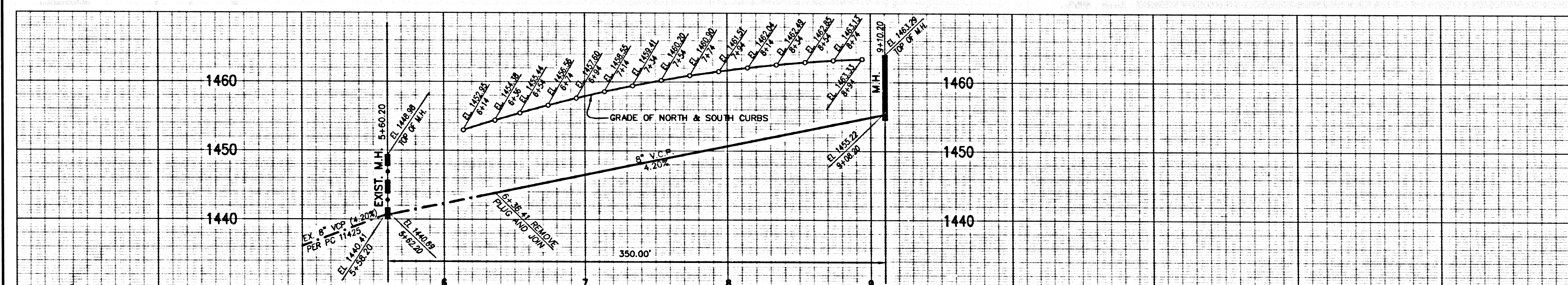
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1	1705.55	425.00	139.80	66.90
2	1028.74	755.00	168.07	82.82



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

REVIEWED BY LAND DEVELOPMENT DIVISION
BY *[Signature]* DATE 12/13/01

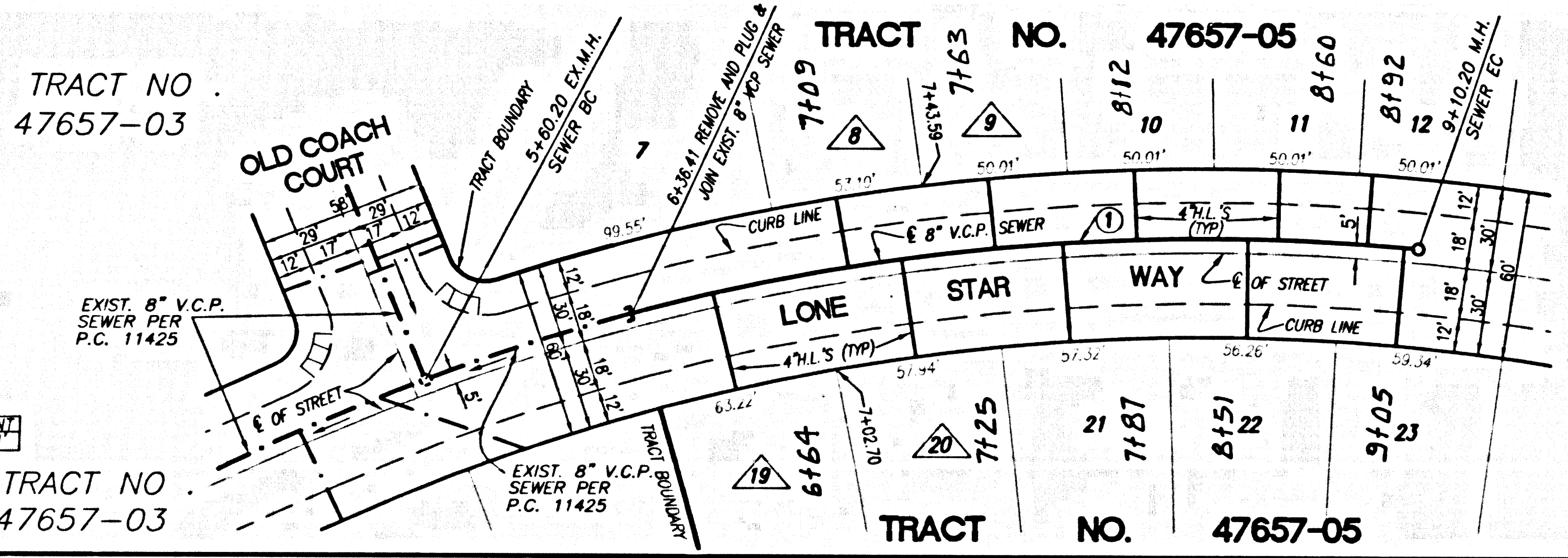


DOUBLE SCALE
NO L.A. CO. CHARGES
FOR CONNECTIONS
SEE COUNTY SAN. DISTRICT
FOR SPECIAL
CONNECTION CHARGES
(562) 699-7411 X-2727

55312

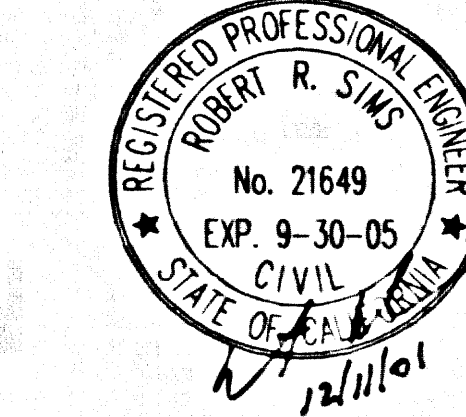
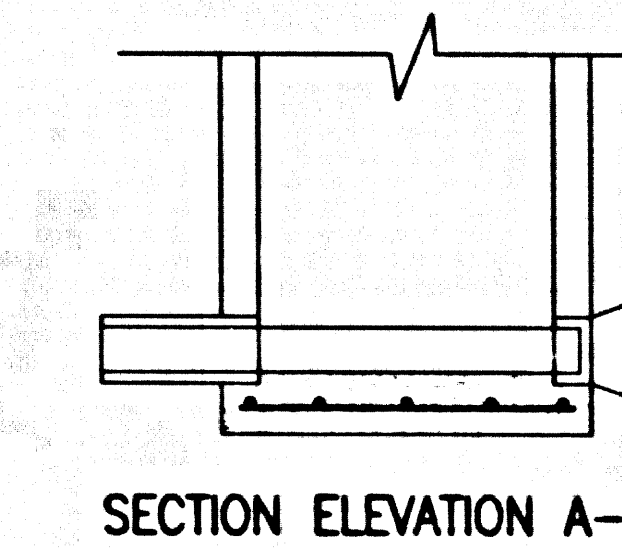
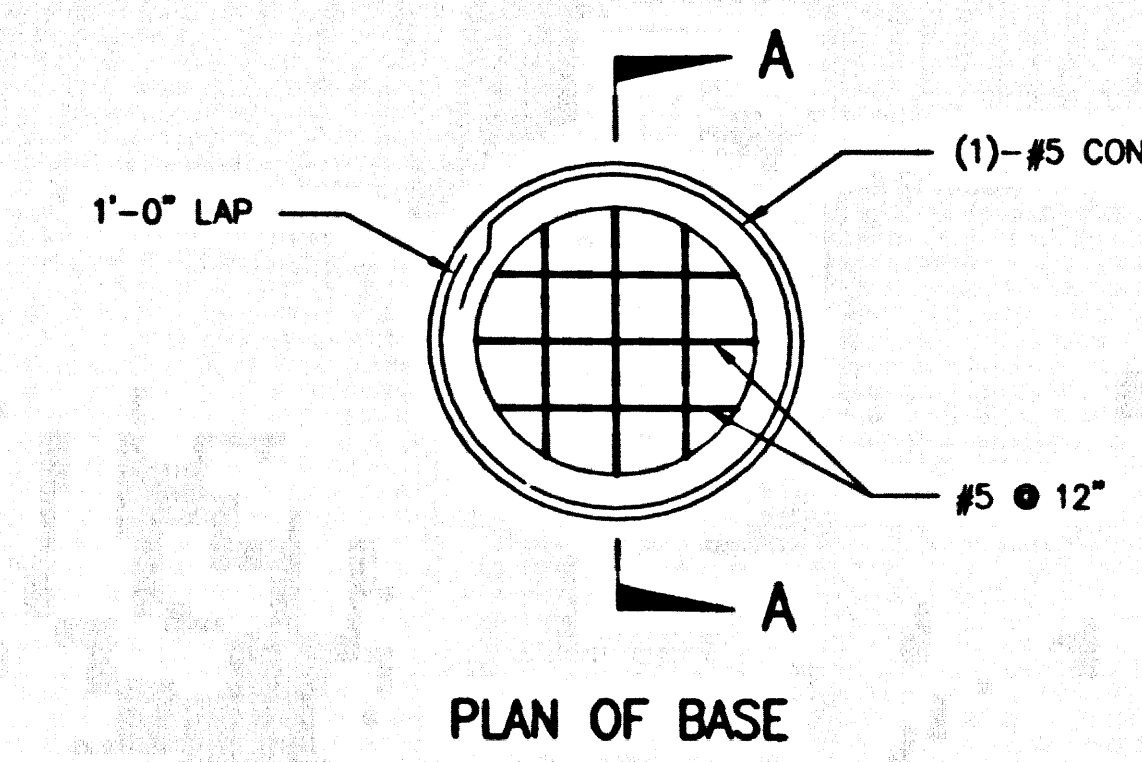
RECORD PLANS

BACKWATER VALVES MAY
BE REQUIRED FOR LOT NO.
ENCLOSED WITH Δ



C/A SEWER CURVE DATA

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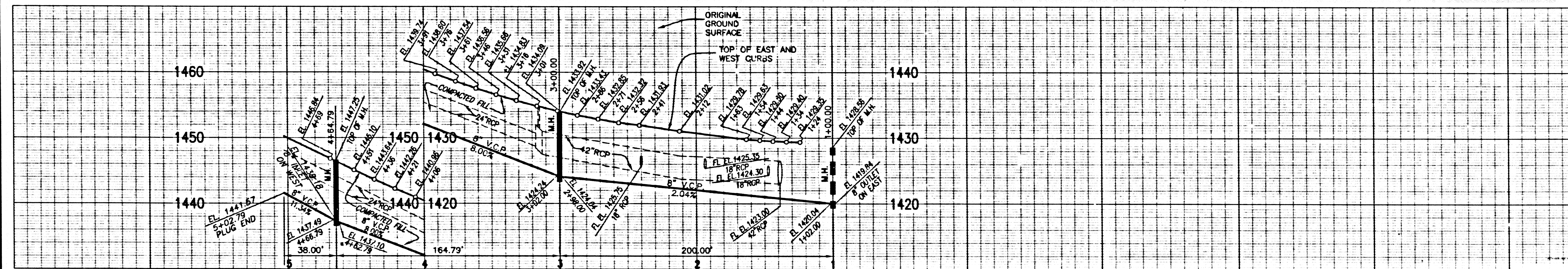


SCALE: VERT: 1" = 8'
HORIZ: 1" = 40'

MODIFIED DETAIL OF M.H.
BASE FOR MANHOLES S-6
NOT TO SCALE

REVIEWED BY LAND DEVELOPMENT DIVISION
BY *[Signature]* DATE 12/13/01

3 SPLIT C.P. 20-7207A ON PT. P.C. 11522

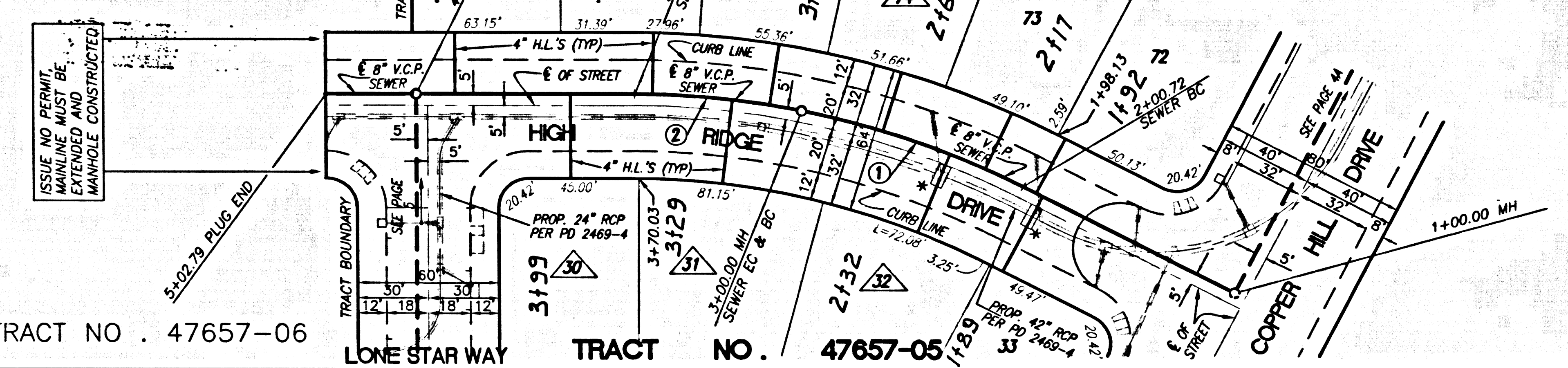


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NO L.A. CO. CHARGES
FOR CONNECTIONS
SEE COUNTY SAN. DISTRICT
FOR SPECIAL
CONNECTION CHARGES
(562) 699-7411 X-2727

59313

TRACT NO. 47657-06 TRACT NO. 47657-05 TRACT NO. 47657-06

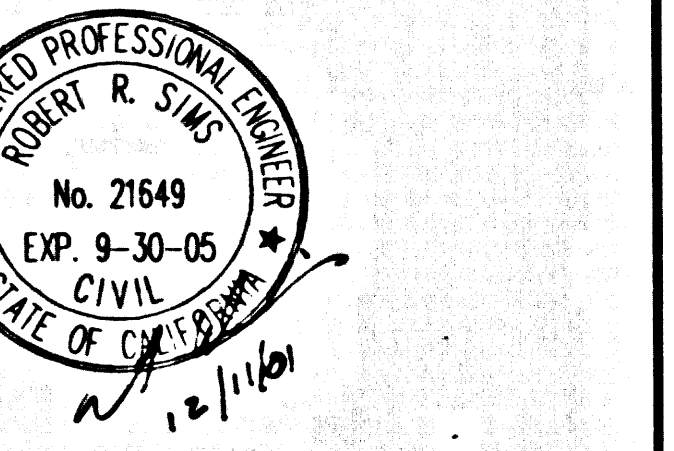
RECORD PLANS



C/L SEWER CURVE DATA

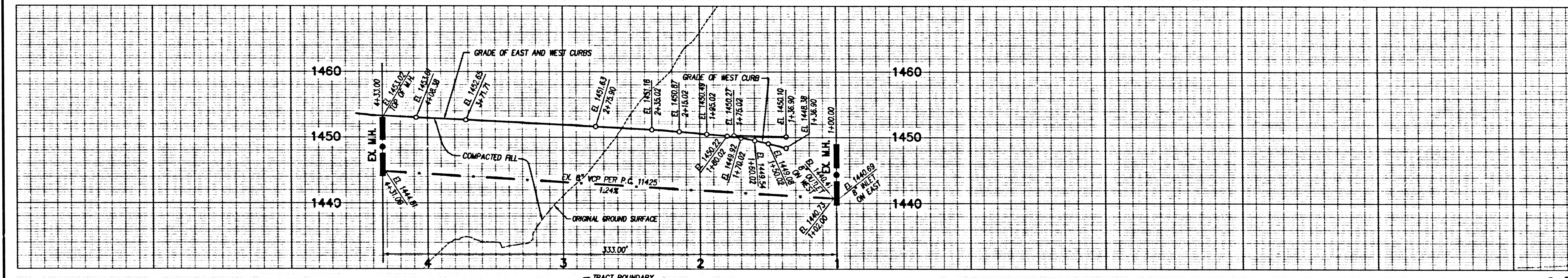
NO.	DELTA	RADIUS	LENGTH	TANGENT
1	110.00	300.00	59.78	32.78
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BACKWATER VALVES MAY
BE REQUIRED FOR LOT NO.
ENCLOSED WITH \triangle



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

REVIEWED BY LAND DEVELOPMENT DIVISION
DATE: 12/13/01

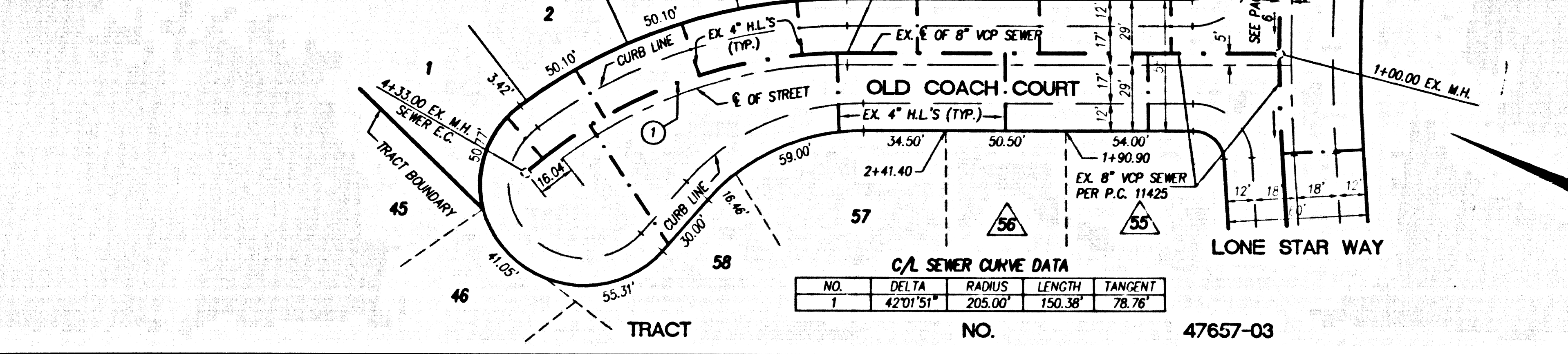


DOUBLE SCALE
NO L.A. CO. CHARGES
FOR CONNECTIONS
SEE COUNTY SAN. DISTRICT
FOR SPECIAL
CONNECTION CHARGES
(562) 699-7411 X-2727

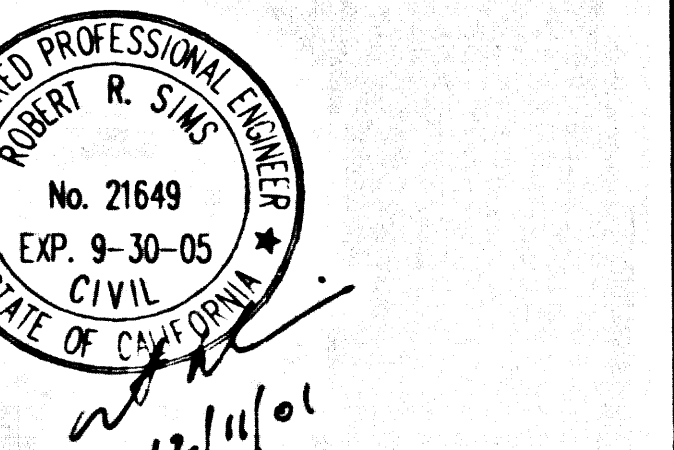
59314

TRACT NO. 47657-05 TRACT NO. 47657-03

RECORD PLANS



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



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

REVIEWED BY LAND DEVELOPMENT DIVISION
DATE: 12/13/01

4 SS211 C.P. 20-72074 .01 .PT