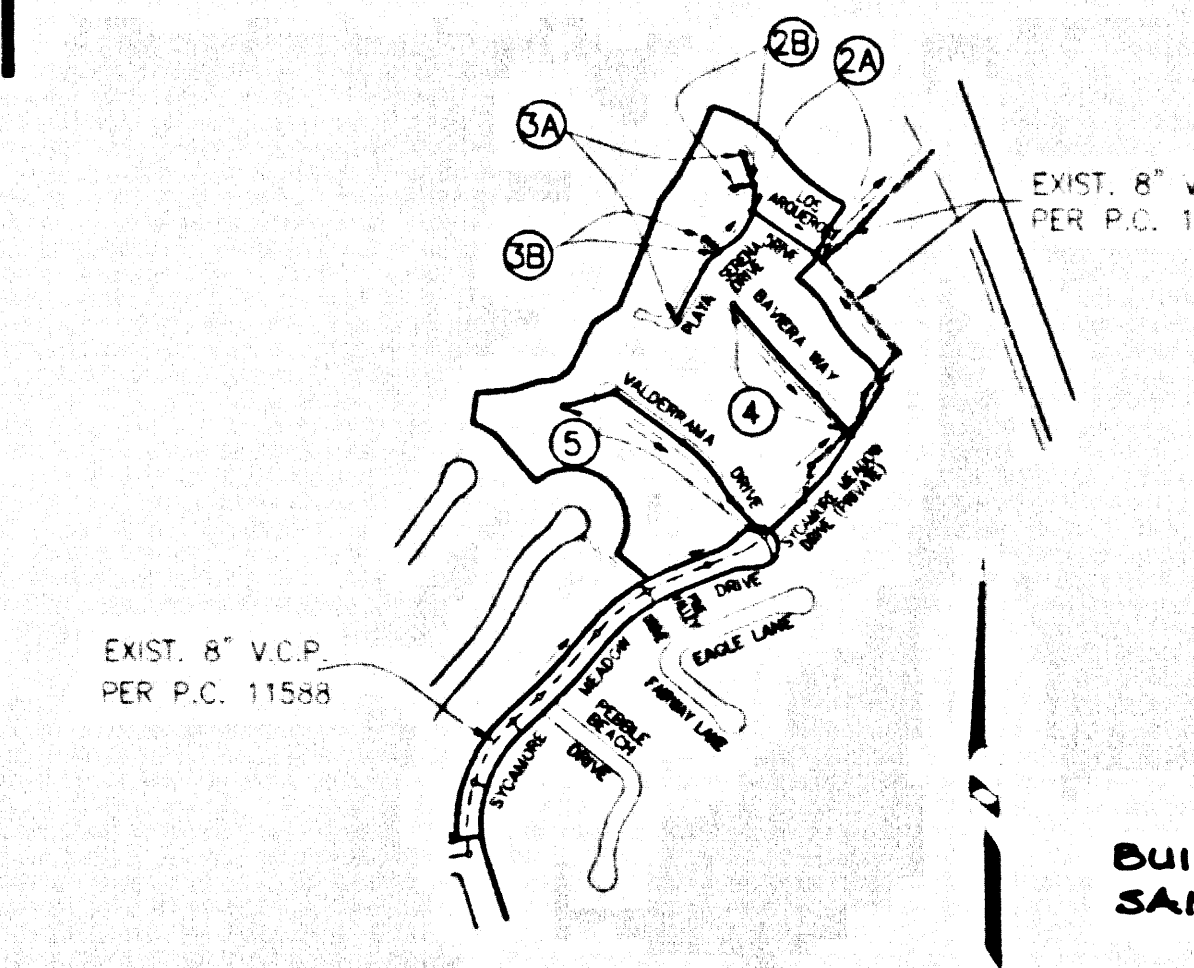


BENCH MARK
 I.A. COUNTY B.M. 5402 ELEV. 1031.950
 ROUND HD SIK. TOP OF LOWEST HDWL 24 FT.
 W/O C/L THE OLD ROAD (W. RDW) & 0.6
 MI S/O HENRY MAYO DR.
 NEWHALL QUAD 1995



INDEX MAP N-1257
TRACT NO. 45433-06
P.C. 11654
 SCALE: 1" = 600'
 THOMAS GUIDE PG. 4550-C4
 NOTE: NUMBER IN CIRCLE INDICATES PAGE NUMBER
 ALL MAINLINE SANITARY SEWERS ARE WITHIN
 THE SANITARY SEWER EASEMENT

NO.	REVISION	REVISED BY	APPROVED BY	DATE

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 street flow, seeps, open 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 listing and are not to contaminate the soil and surface waters. All required storage containers are to be grounded 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 stormwater and dispersal 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. Accidents/deposits 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.

32001 - DEMOLITION OPERATIONS	ES010 - SEEDING AND PLANTING
32010 - DRAINAGE OPERATIONS	ES011 - MULCHING
32020 - STRUCTURE CONSTRUCTION AND PAINTING	ES020 - LECTURES AND MATS
32030 - MATERIAL DELIVERY AND STORAGE	ES021 - SOFT CONTACT
32040 - WASTE MANAGEMENT	ES022 - TEMPORARY STREAM CROSSING
32050 - HAZARDOUS WASTE MANAGEMENT	ES023 - CONSTRUCTION ROAD STABILIZATION
32060 - SOLID WASTE MANAGEMENT	ES024 - STABILIZED CONSTRUCTION ENTRANCE
32070 - SANITARY TESTS AND MAINTENANCE	ES025 - STORM DRAIN FLEET PROTECTION
32080 - VEHICLE AND EQUIPMENT CLEANING	
32090 - VEHICLE AND EQUIPMENT MAINTENANCE	
ES030 - SCHEDULED	
ES032 - 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	2000-0
MINIMUM PUBLIC SAFETY REQUIREMENTS	6003-1
REINFORCED PRECAST CONCRETE MANHOLE	2013-2
STANDARD MANHOLE COVER	2013-1
BEADING FOR SEWER PIPE	2021-1
WRAP AND ENCASUREMENT	2022-2
WYE OR TEE SUBMERGIBLE	2024-1
ALLOWABLE TRENCH WIDTHS	2027-1
LOCKING MANHOLE FRAME AND COVER	2112-1
HOUSE CONNECTION REMODELING	2223-1
BREAKING INTO EXISTING MANHOLE	2224-1
SPECIAL HOUSE LATERALS	2225-1
EROSION PROTECTION IN STEEP SLOPES	2226-1
ANCHOR BLOCKS	2227-1
JACKING STEEL CASING FOR SEWER PIPE	2228-1
TERMINAL CLEANOUT STRUCTURE	2229-2
CHEMICAL CLEANOUT STRUCTURE	2230-2

* 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 UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICTS FOR THE SAME 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 (661) 266-4683 SO THAT REQUIRED INSPECTIONS CAN BE MADE.

PRIVATE CONTRACT SEWER GENERAL NOTES

- A private 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, 1610 South Flower Avenue, 9th Floor, Los Angeles, at least 10 days prior to starting work under this permit. Copies of all other required permits, such as Road Excavation, Grading, 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 Workers Compensation Insurance with the Department of Public Works numbered as the Certificate number to be notified 30 days prior to the start of any work.
- If work is done in a State Highway, a permit must be obtained from the State of California, Division of Highways, 1400 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 in 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 the 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 users.
- 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 attended to in the presence of the Department of Public Works.
- The contractor's attention is directed to Section 1-10.4.1 of the Standard Specifications for Public Works Construction in regard to safety orders and signs conforming to the "Minimum Public Safety Requirements" as shown on Los Angeles Department of Public Works Standard 1-10.
- 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.
- Orders to which this improvement is to be constructed are shown on plans and profiles. Grade points for top of curb, centerline of streets or centerline of ditches are shown by circles on plan and in profile between designated points. The grade shall be established so as to conform to a straight line between designated points.
- The private engineer shall furnish the Department of Public Works with grade sheets and stationing for all house laterals and "T" or "Y" branches and shall provide a small grade sheet for manholes at their proper locations with existing points marked. All house laterals shall be constructed in a straight alignment or in a curve from the main line sewer except as shown on the plans. House laterals from driveway projects shall be on grade of existing 48" pipes with the M.C. 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 elevation for each house lateral on the grade sheet.

CONSTRUCTION NOTES

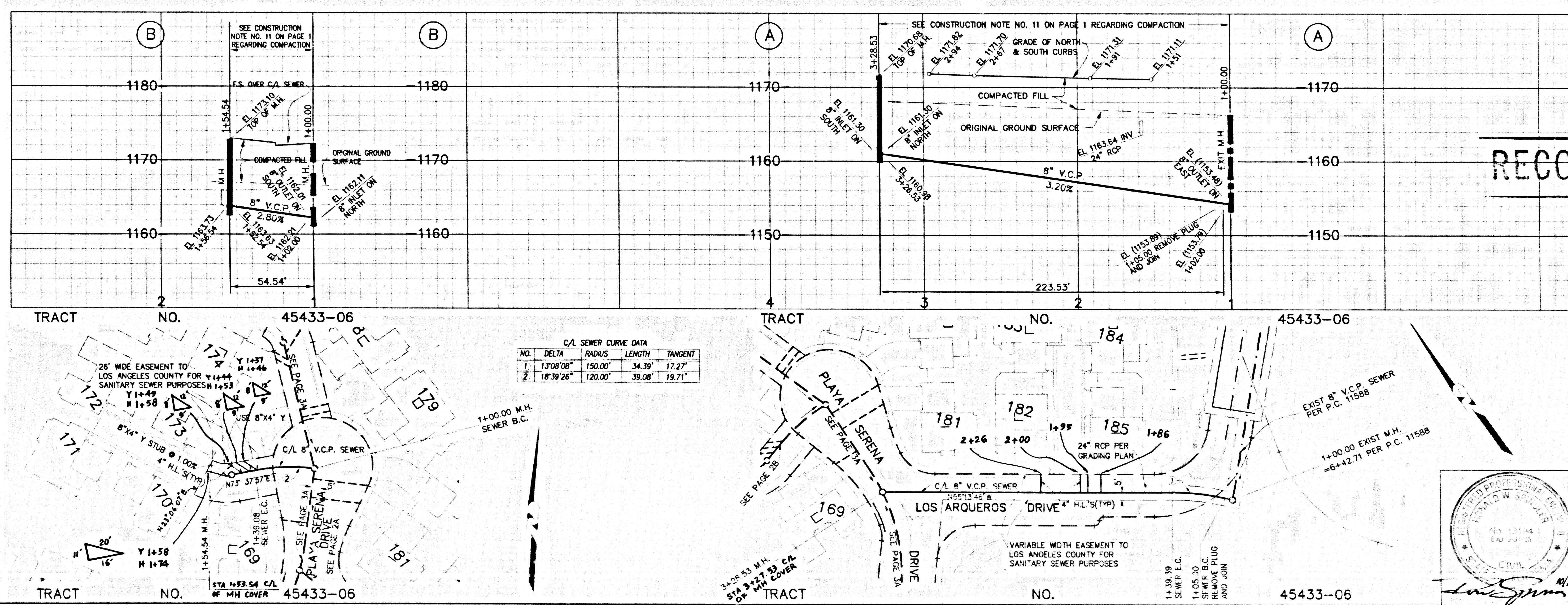
- Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the corners of each manhole.
- Verified city pipe joints shall be type "T" or "Y" per standard specifications section 208-2.
- If a sewerline is within three feet of the sewer, the sewer shall be encased per standard plan S-23, type 1, 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 "T" 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.
- Use of tee branches may be used for connections to the main sewer except as noted.
- Use of house lateral V.C.P. sewer which is not indicated on the plans, the pipes shall be encased per standard plan S-23, type 1, 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-35, except as noted.
- Full compliance with section 1-11.4 of the standard specifications shall be required for in street construction of sanitary sewer lines within paved areas to meet Los Angeles County Public Works or California State highway requirements in accordance with the permit.
- Full compliance with section 1-11.4 of the standard specifications shall be required for in street construction of sanitary sewer lines and sand encasement by a qualified civil engineer shall be provided by the permittee prior to the start of the work by the contractor.
- All easements and this outside of the street right of way shall be completed to 90% of the maximum density as determined by A.P.W. compliance with 1-11.4 of the standard specifications. 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 contractor.
- Manhole tops in unimproved right of way to be six inches above finished grade.
- Sewers to be tested for leakage per section 208-1/4 of the standard specifications and specific provisions.
- Manhole tops in improved right of way to be level with finished grade.
- All pipes and/or house laterals are to be located at least 5 ft. apart and when possible not more than 1 ft. to any manhole.

TO BE CONSTRUCTED IN
TRACT NO. 45433-06 PC NO. 11654
 INDEX N-1257
 3 SHEETS: 5 PAGES

COUNTY OF LOS ANGELES CALIFORNIA
 JAMES A. STALE, DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION
 Dennis Hunter 10/16/02
 APPROVED BY CIVIL ENGINEER
 James F. Stahl 10/16/02
 COUNTY SANITATION DISTRICT NO. 38
 COUNTY SANITATION DISTRICT
 JAMES F. STALE - CHIEF ENGINEER AND GENERAL MANAGER
 55819

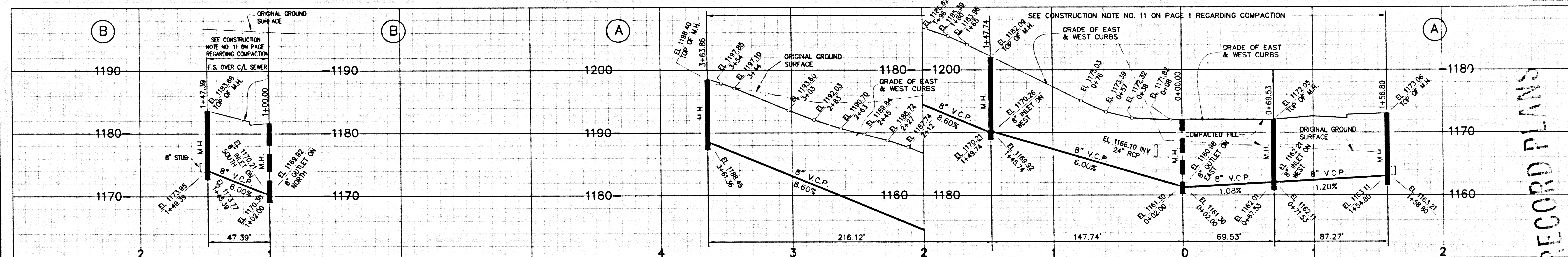
PRIVATE ENGINEERS NOTICE TO CONTRACTORS:
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS REQUIRED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS MAP. CONTRACTOR IS REQUIRED TO TAKE PRELIMINARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER UTILITIES NOT SHOWN ON THIS DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL THE UTILITY SERVICE AND ANY OTHER AGENCIES NOT SHOWN ON THIS DRAWING TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL THE CITY OF LOS ANGELES TELEPHONE COMPANY AT 1-800-448-4871 SO THAT THEY CAN VERIFY THE LOCATION OF UNDERGROUND TELEPHONE LINES.

RECORD PLANS
 SCALE: VERT: 1" = 8'
 HORIZ: 1" = 40'
 25 0 50 100
 SANITARY SEWER PLANS IN
 TR. NO. 45433-06 P.C. NO. 11654
 REVIEWED BY: [Signature] 10/16/02
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 SPINDLER ENGINEERING CORPORATION
 16823 SATICOY ST. VAN NUYS, CA 91406
 TEL (818) 782-2788 FAX (818) 782-0111

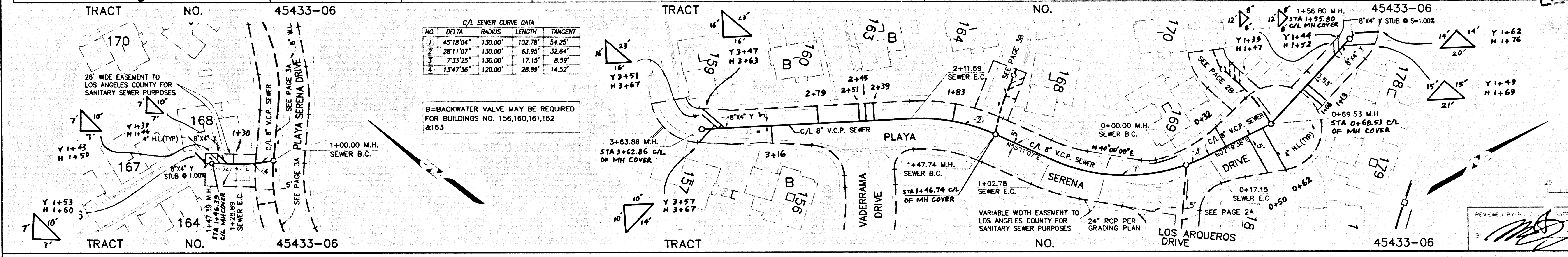


RECORD PLANS
 55820

NO L.A. CO. CHARGES FOR CONNECTIONS
 SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES
 (562) 619-7411 X-2727
 DOUBLE SCALE
 55820



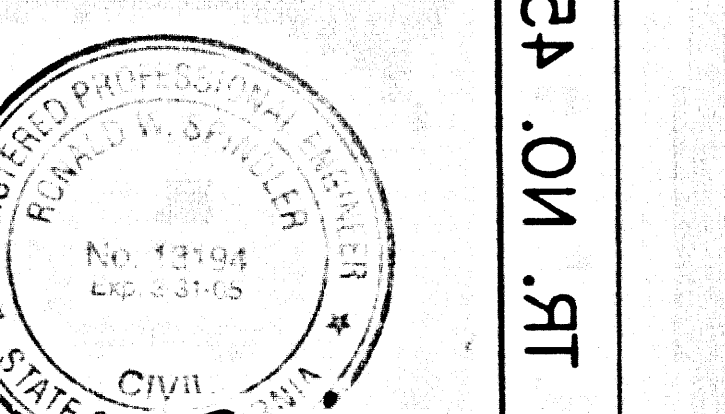
NO L.A. CO. CHARGES FOR CONNECTIONS
 SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 699-7411 X-2727
 DOUBLE SCALE
 55821



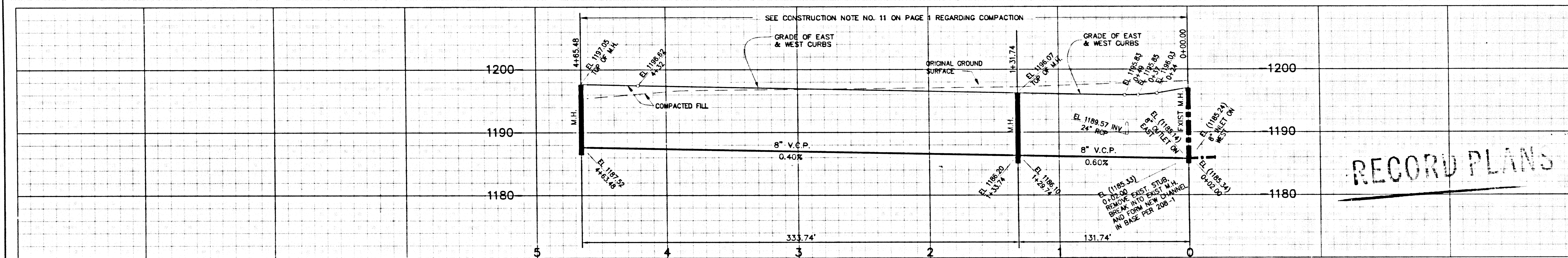
C/L SEWER CURVE DATA

NO.	DELTA	RADIUS	LENGTH	TANGENT
1	45°18'04"	130.00'	102.78'	54.25'
2	28°11'04"	130.00'	43.91'	32.44'
3	7°33'25"	130.00'	17.15'	8.59'
4	13°47'36"	120.00'	28.89'	14.52'

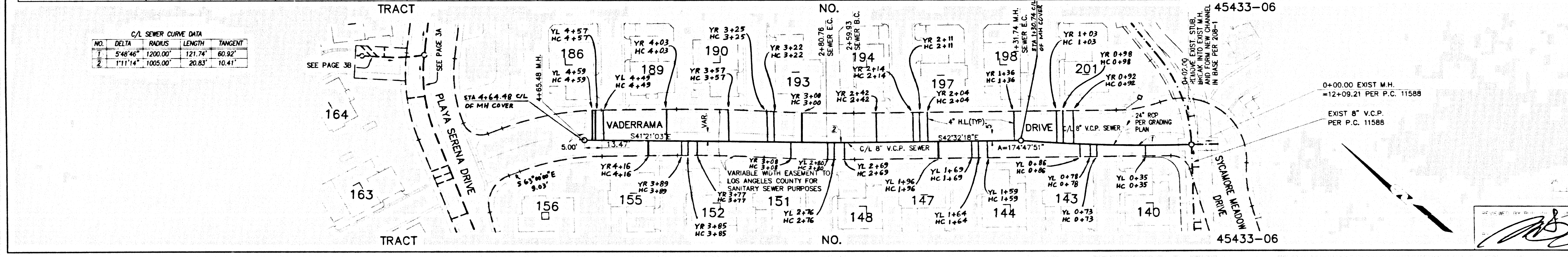
B=BACKWATER VALVE MAY BE REQUIRED FOR BUILDINGS NO. 156,160,161,162 & 163



SCALE: 1" = 40'
 10/16/02

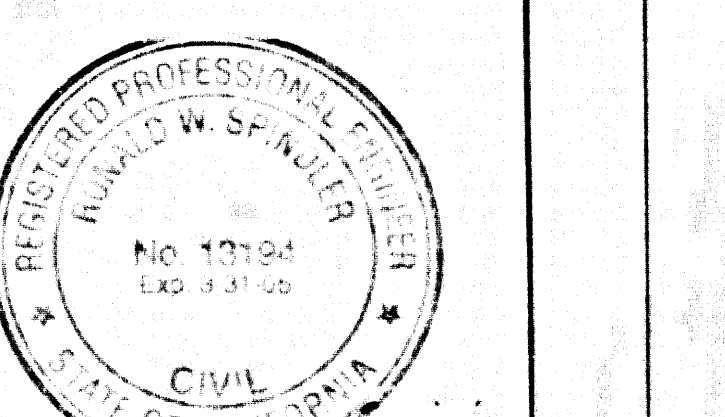


NO L.A. CO. CHARGES FOR CONNECTIONS
 SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 699-7411 X-2727
 DOUBLE SCALE
 55822



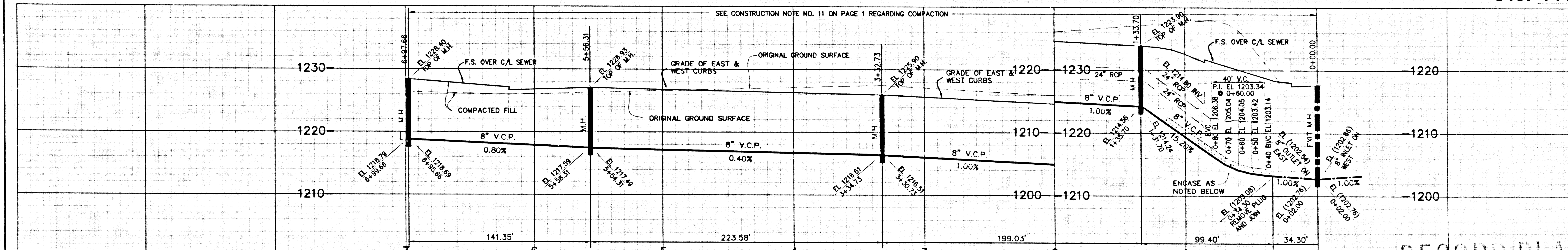
C/L SEWER CURVE DATA

NO.	DELTA	RADIUS	LENGTH	TANGENT
1	5°46'46"	1200.00'	121.74'	60.92'
2	1°11'14"	1000.00'	20.83'	10.41'

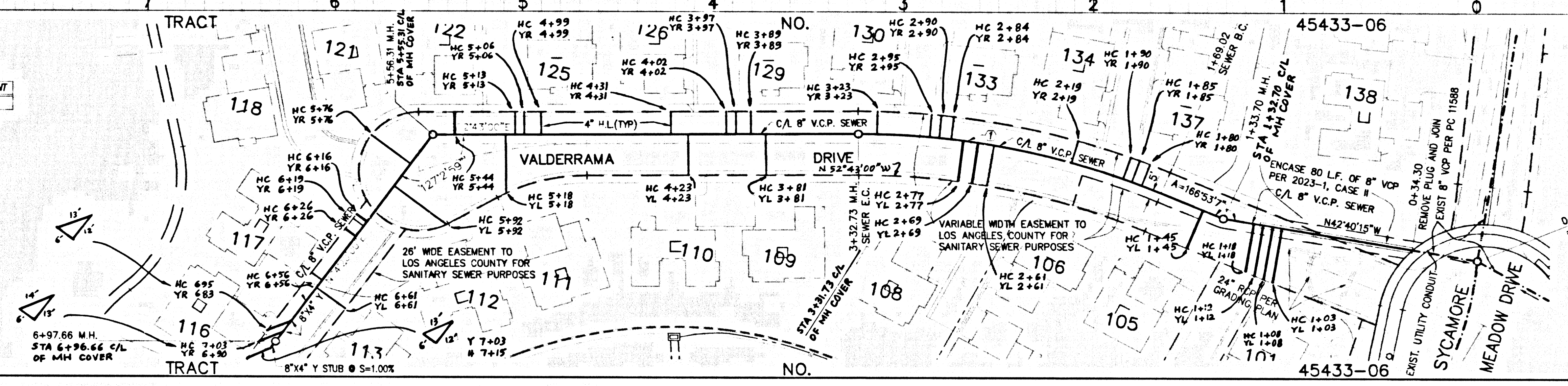


SCALE: 1" = 40'
 10/16/02

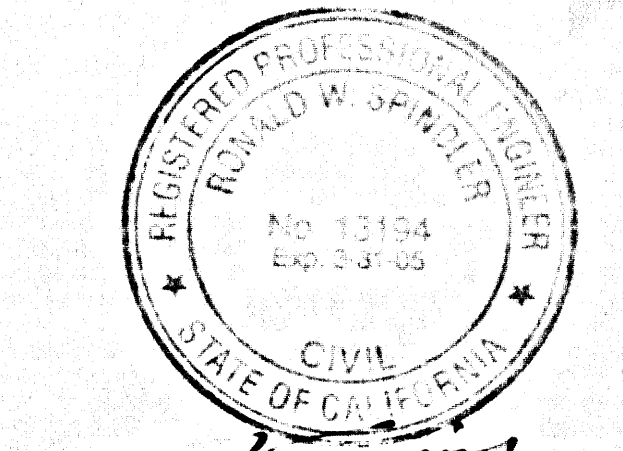
NO L.A. CO. CHARGES FOR CONNECTIONS
SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES
DOUBLE SCALE



NO.	DELTA	ANGLES	LENGTH	TANGENT
1	23.79'	38°	405.00'	163.71'
2	23.79'	38°	405.00'	163.71'

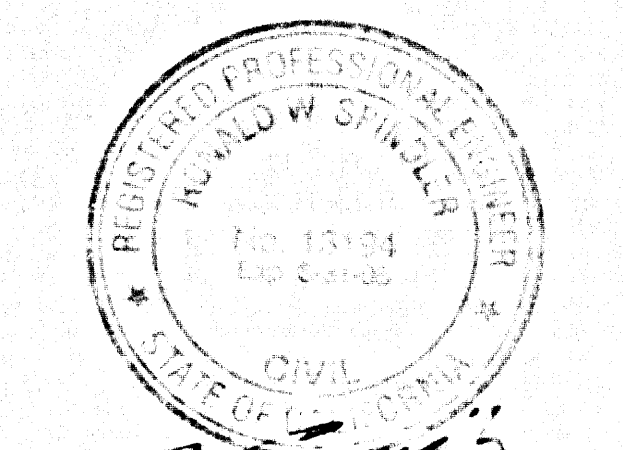
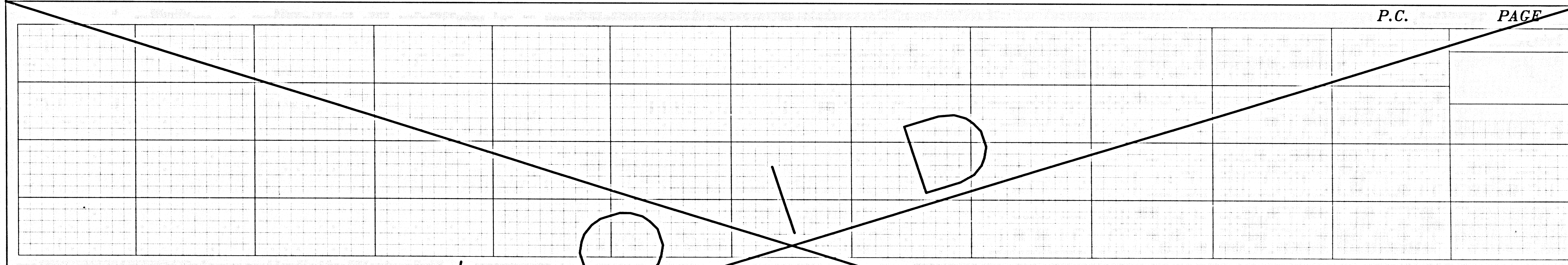


RECORD PLANS 1



PLAN
SCALE: 1" = 40'

REVISIONS BY: [Signature] DATE: 10/11/02



PLAN
SCALE: 1" = 40'

3
A2411 C 9
60-33424 OM 511