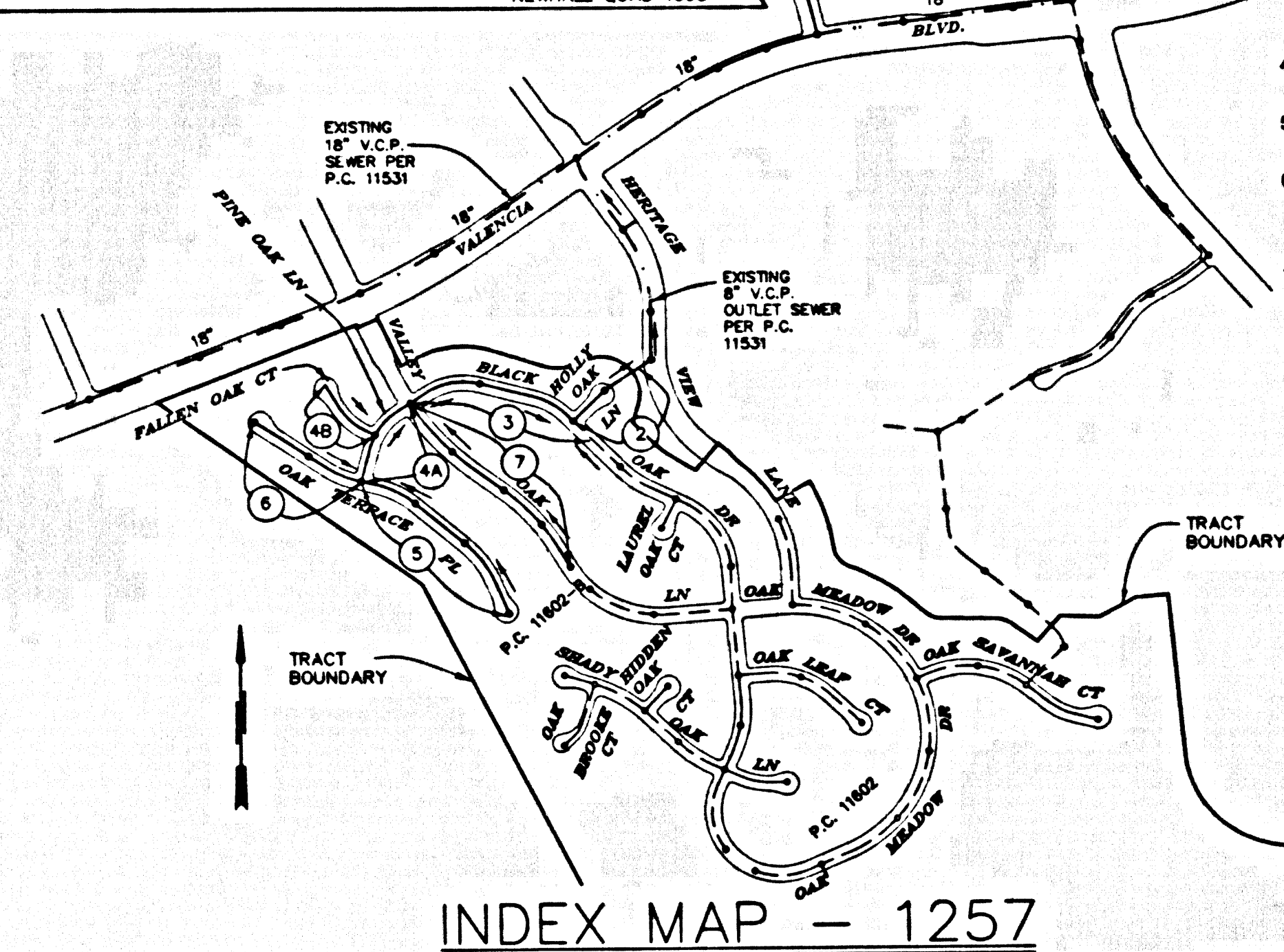


BENCH MARK
 BM L.A. COUNTY B.M. 5291 Elev. 1031.950
 RND. HD SPK. TOP OF LOWEST HDWL 24 FT
 W/O C/L THE OLD ROAD (W. RDWY) & 0.6
 MI S/O HENRY MAYO DR.
 NEMHALL QUAD 1995



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, erosion, or drainage, natural drainage courses, or wind.
- Structures 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.
- 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.

- CA001 - Dewatering Operations
 CA002 - Paving Operations
 CA003 - Structure Construction and Painting
 CA010 - Material Inventory and Storage
 CA020 - Solid Waste Management
 CA021 - Hazardous Waste Management
 CA023 - Concrete Waste Management
 CA024 - Sanitary Sewer Waste Management
 CA030 - Vehicle and Equipment Cleaning
 CA031 - Vehicle and Equipment Maintenance
 CA032 - Scheduling
 ES002 - Preservation of Existing Vegetation
- ES010 - Seeding and Planting
 ES020 - Mulching
 ES030 - Geotextiles and Mats
 ES040 - Dust Control
 ES050 - Temporary Stream Crossing
 ES060 - Construction Road Stabilization
 ES070 - Stabilized Construction Entrance
 ES080 - Storm Drain Inlet Protection

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

APWA 208-0 BREAKING INTO EXISTING MANHOLES
 APWA 220-2 CHIMNEYS
 APWA 223-0 HOUSE CONNECTION SEWER
 APWA 223-0 HOUSE CONNECTION REMODELING
 2000-0 LEGEND FOR SANITARY SEWER PLANS AND PROFILES AND DISTRICT MAPS
 2021-0 BEDDING FOR SEWER PIPE
 2024-0 WYE OR TEE SUPPORT
 2027-0 ALLOWABLE TRENCH WIDTHS

NOTE: EASEMENT TO THE COUNTY OF LOS ANGELES FOR SANITARY SEWER, INGRESS AND EGRESS TO BE GRANTED OVER ALL PRIVATE STREETS PER FINAL MAP.

DOUBLE SCALE

THIS SEWER PRIVATE CONTRACT ACCEPTED FOR PUBLIC USE
 01/24/06
 COUNTY OF LOS ANGELES
 DEPARTMENT OF PUBLIC WORKS
 LAND DEVELOPMENT DIVISION

RECORD PLANS

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 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 commencement of work.
- If work is done in a State Highway, a permit must be obtained from the State of California Division of Highways, 1030 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 pages.
- All work shall be in accordance with the latest approved edition of the "Standard Specifications for Public Works Construction, including equipment and the latest Special Provisions for the Construction of Sanitary Sewers and shall be prosecuted 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 shall 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 curb, centerline of streets or centerline of drive, are shown by crosses 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 manhole laterals and "Y" or "T" 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 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 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 centerline of each manhole.
- Verified day pipe joints shall be type "D" or "G" per standard specifications section 208-2.
- If a powerpole is within three feet of the sewer, the sewer shall be encased per standard plan S-23, case II, two feet on each side from the point of interference.
- All joints between cast iron pipe and verified city 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 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 mainline 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 II, 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-6, except as noted.
- Reinforcing of 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 3004-1.3.4 of the standard specification will be required for backfill in street certification of partial accessions.
- All backfill and the 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 306-1/4 of the standard specifications and special provisions.

PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS

TRACT 45433-02 PC NO. 11602-A

4 SHEETS: 7 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA
 INDEX 1257

JAMES A. NOYES DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION
 BY *Dennis F. Hunter* 12/01/01
 ASSISTANT DIVISION ENGINEER
 SUBMITTED BY *[Signature]* 12/3/01
 SUBDIVISION PLAN CHECKING SECTION

APPROVED: COUNTY SANITATION DISTRICT OF LOS ANGELES CALIF.
 JAMES F. STAHL - CHIEF ENGINEER AND GENERAL MANAGER
 COUNTY SANITATION DISTRICT NO. 32

BY *[Signature]* DATE: 12/4/01
 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 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 THE RAY CUMINGS OF GENERAL TELEPHONE COMPANY AT 1-800-848-8571 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

BY *[Signature]* 11-9-01
 RICE NO. 51929 DATE

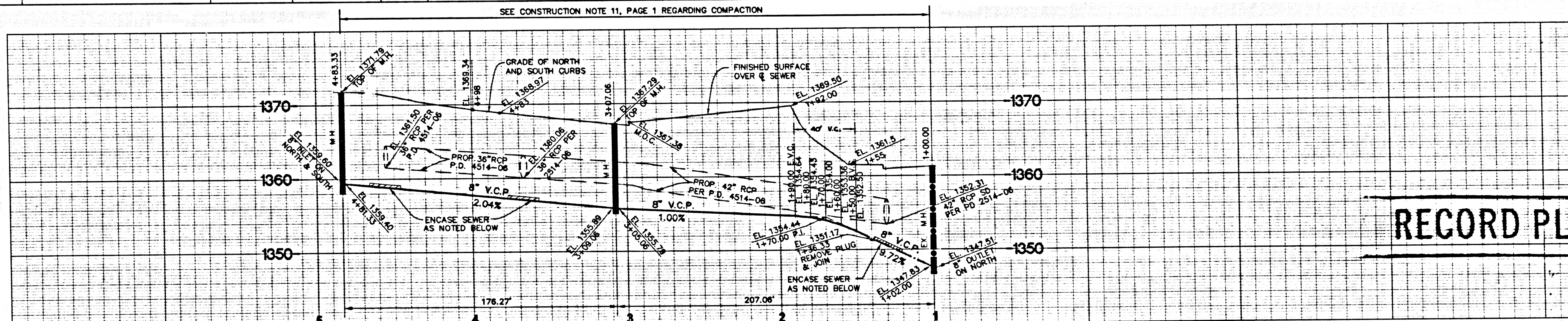
NO.	REVISION	REVISED BY	APPROVED BY	DATE

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 SAID CONNECTION.

ISSUE TO HOUSE LATERAL CONNECTION PERMITS UNTIL OUTLET SEWER PER 11531 IS ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES.

BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (681) 268-4883 SO THAT REQUIRED INSPECTION CAN BE MADE.

LOTS 103, 166, 167, 168, 169, 170, 184, 185 ARE RESTRICTED TO NO RESIDENTIAL CONNECTION & WILL NOT BE SERVED BY THIS SEWER.

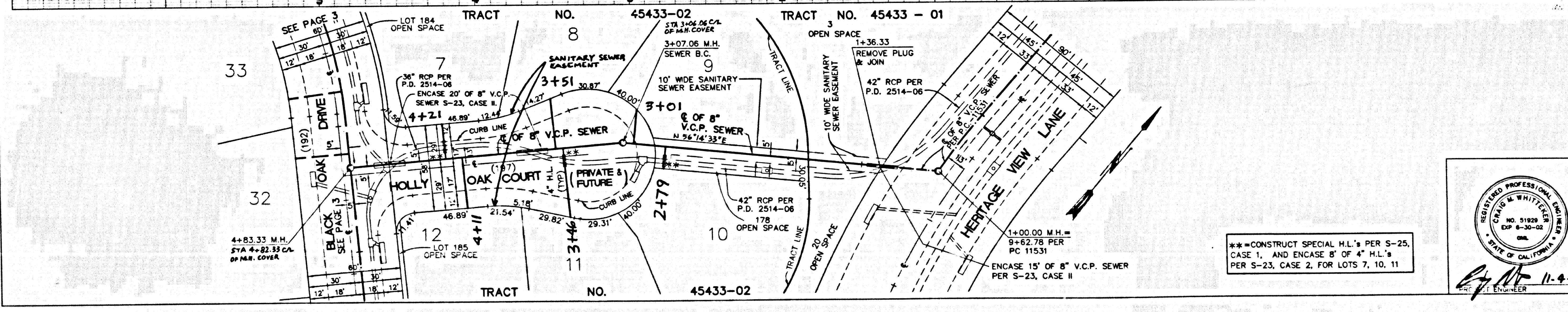


RECORD PLANS

P.C. 11602-A PAGE 2

NO. L.A. CO. CHARGES FOR CONNECTION
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (681) 688-7411 EX. 2727
 DOUBLE SCALE

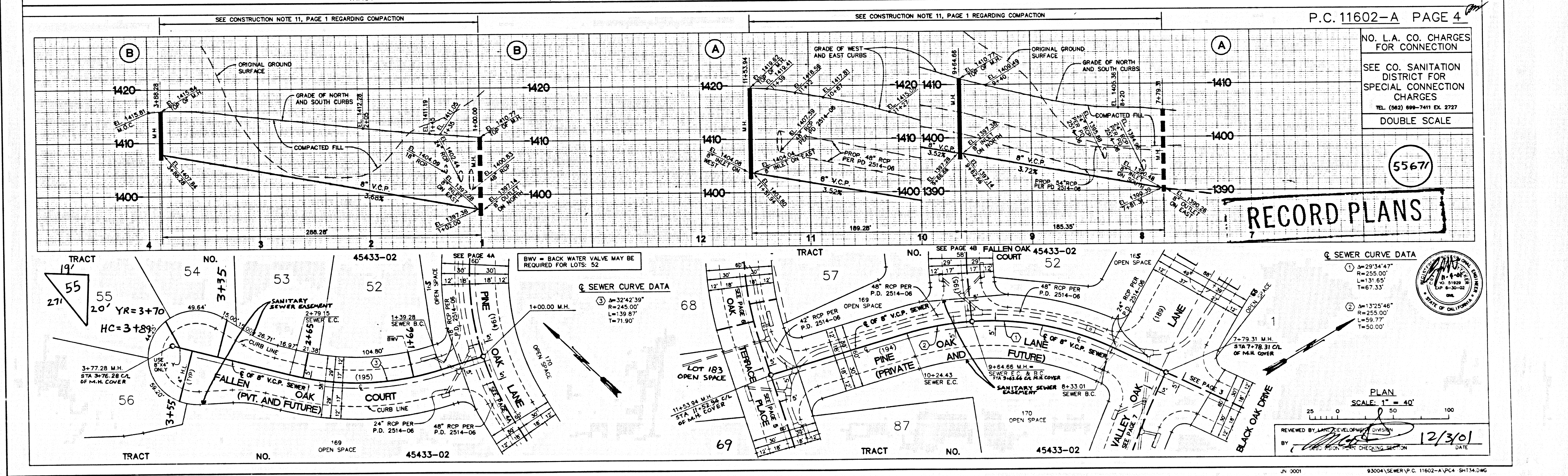
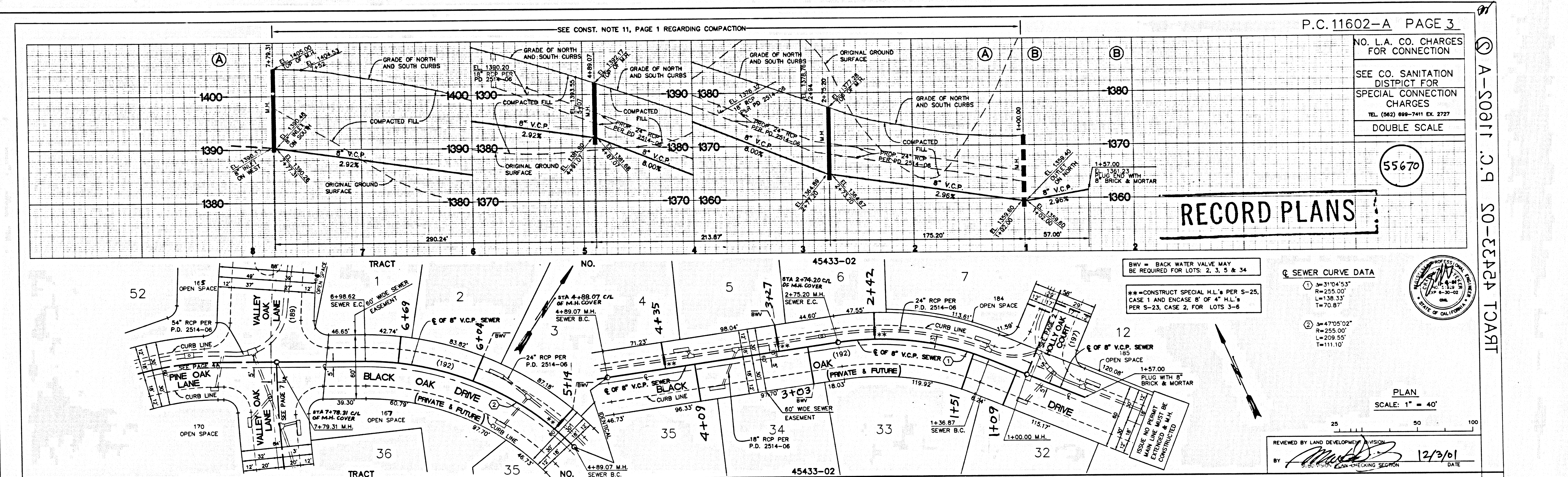
PLAN SCALE: 1" = 40'
 25 0 50 100

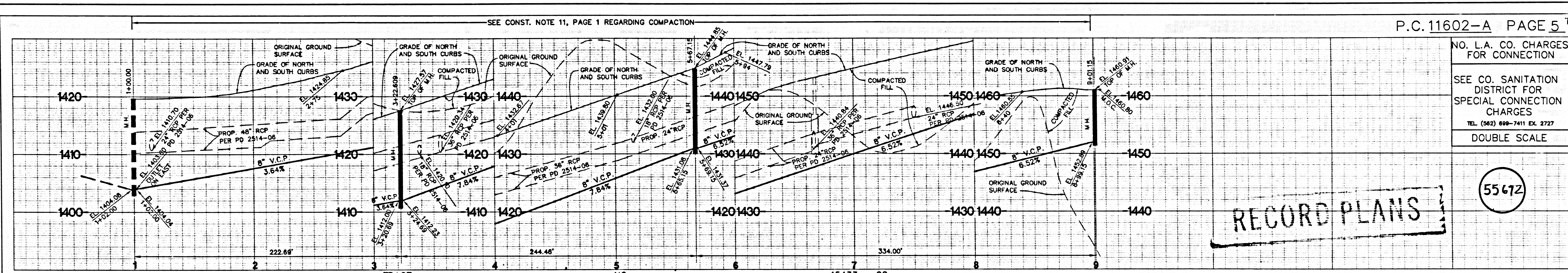


REVIEWED LAND DEVELOPMENT DIVISION
 BY *[Signature]* 12/3/01
 SUBDIVISION PLAN CHECKING SECTION DATE
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

ALLIANCE
 LAND PLANNING & ENGINEERING INC.
 5962 LAPLACE COURT
 SUITE 130
 CARLSBAD, CA 92008
 TEL. (760) 431-9996

63004SEWER.P.C.11602-A.PC4-SHT12.DWG. JUN 00/01



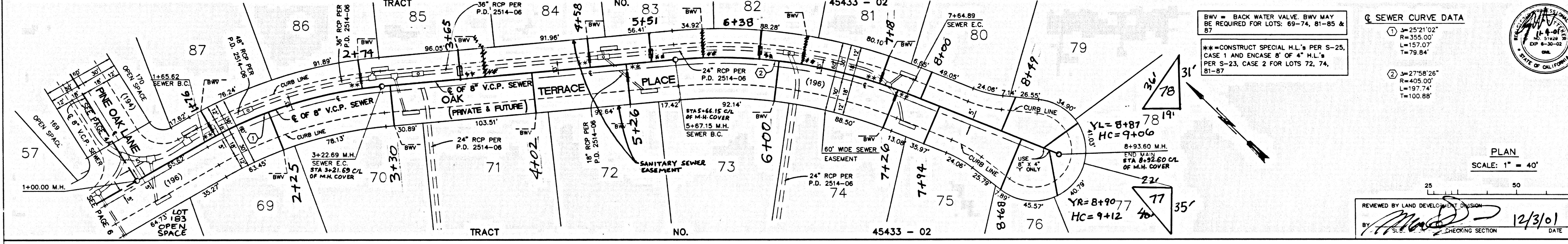


P.C. 11602-A PAGE 5

NO. L.A. CO. CHARGES FOR CONNECTION
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (562) 899-7411 EX. 2727
 DOUBLE SCALE

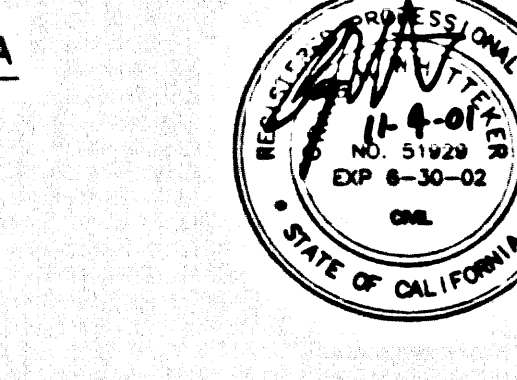
55672

RECORD PLANS



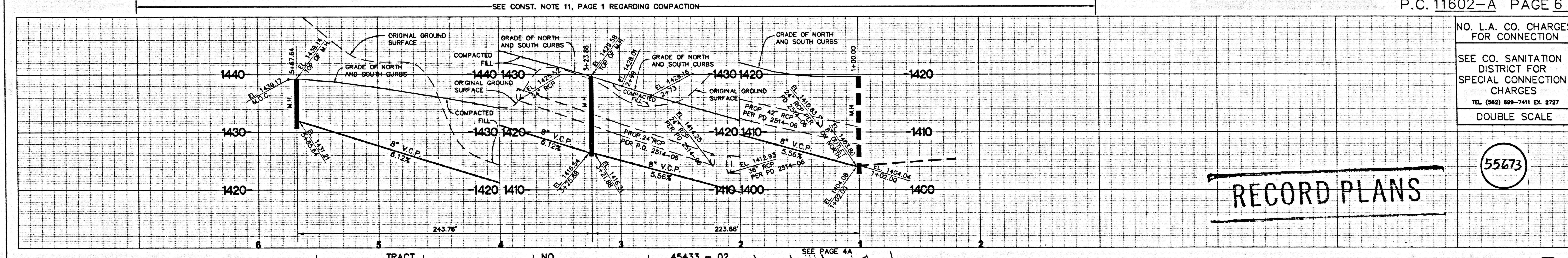
BWV = BACK WATER VALVE. BWV MAY BE REQUIRED FOR LOTS: 69-74, 81-85 & 87
 **=CONSTRUCT SPECIAL H.L.'S PER S-25, CASE 1 AND ENCASE 8' OF 4" H.L.'S PER S-23, CASE 2 FOR LOTS 72, 74, 81-87

SEWER CURVE DATA
 ① Δ=25'21.02"
 R=355.00'
 L=157.07'
 T=79.84'
 ② Δ=27'58.26"
 R=425.00'
 L=197.74'
 T=100.88'



PLAN
 SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY: [Signature] CHECKING SECTION DATE: 12/3/01

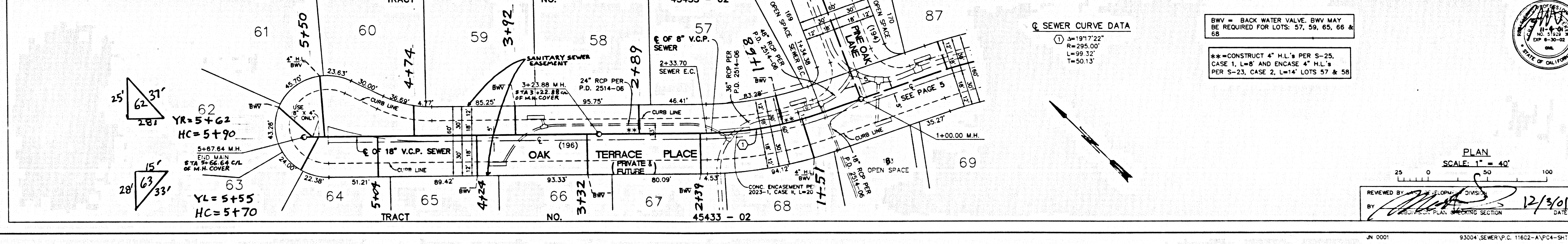


P.C. 11602-A PAGE 6

NO. L.A. CO. CHARGES FOR CONNECTION
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (562) 899-7411 EX. 2727
 DOUBLE SCALE

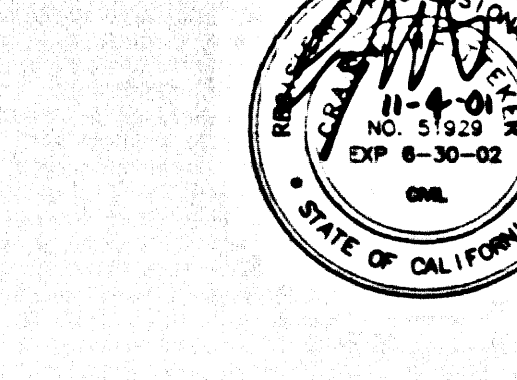
55673

RECORD PLANS



BWV = BACK WATER VALVE. BWV MAY BE REQUIRED FOR LOTS: 57, 59, 65, 66 & 68
 **=CONSTRUCT 4" H.L.'S PER S-25, CASE 1, L=8' AND ENCASE 4" H.L.'S PER S-23, CASE 2, L=14' LOTS 57 & 58

SEWER CURVE DATA
 ① Δ=19'17.22"
 R=235.00'
 L=99.32'
 T=50.13'



PLAN
 SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY: [Signature] CHECKING SECTION DATE: 12/3/01

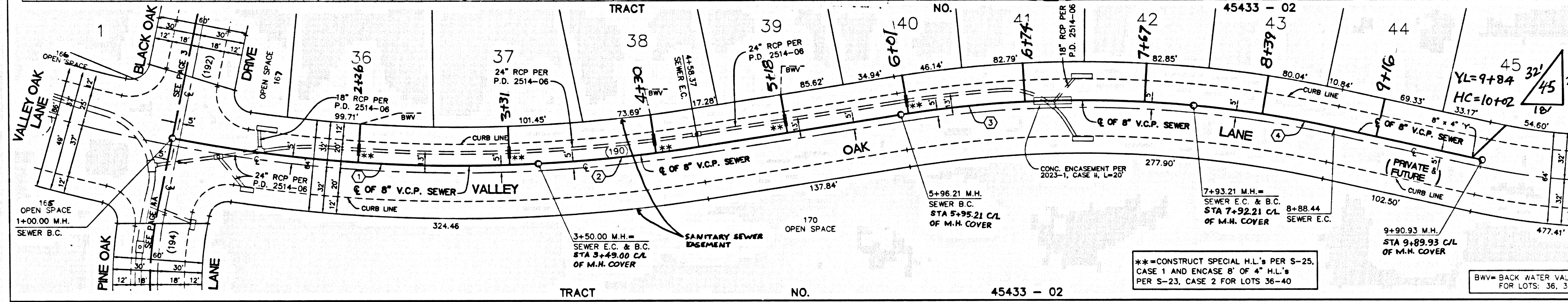
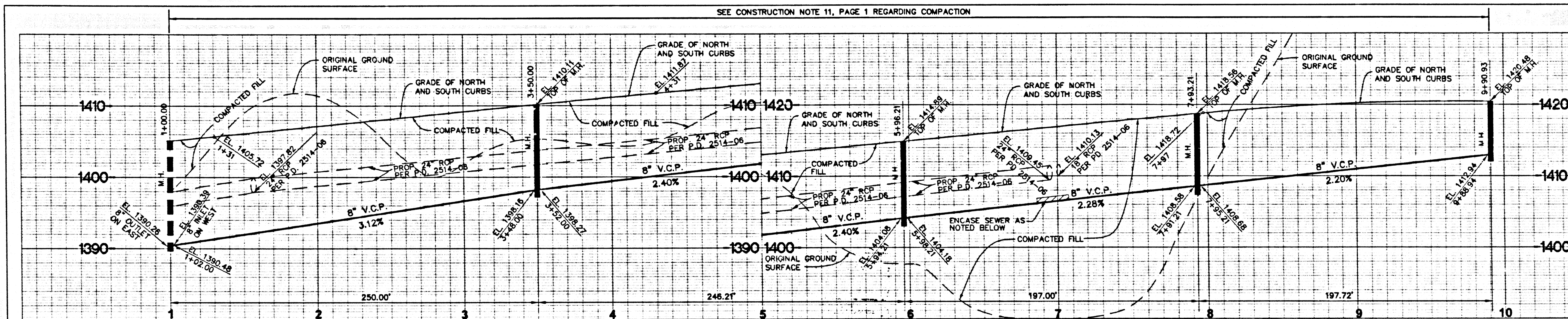
SEE CONSTRUCTION NOTE 11, PAGE 1 REGARDING COMPACTION

P.C. 11602-A PAGE 7

NO. L.A. CO. CHARGES FOR CONNECTION
SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
TEL. (562) 698-7411 EX. 2727
DOUBLE SCALE

55674

RECORD PLANS



SEWER CURVE DATA

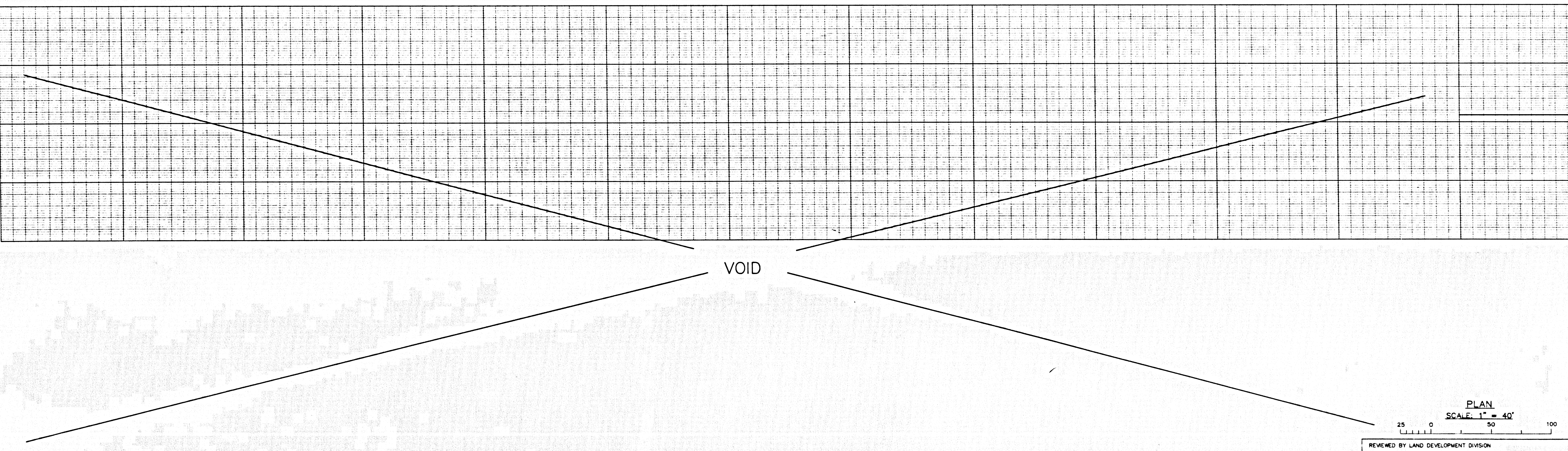
1	d=14'23'45"	3	d=14'57'00"
2	d=06'4'28"	4	d=07'13'35"
	R=995.00'		R=755.00'
	L=250.00'		L=197.00'
	T=125.66'		T=99.06'
	R=995.00'		R=755.00'
	L=108.37'		L=95.22'
	T=54.24'		T=47.68'

PLAN SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION
DATE 12/3/01

***CONSTRUCT SPECIAL H.L.'S PER S-25, CASE 1 AND ENCASE 8" OF 4" H.L.'S PER S-23, CASE 2 FOR LOTS 36-41

BWV=BACK WATER VALVE MAY BE REQUIRED FOR LOTS 36, 38, 39 & 41



PLAN SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION
DATE

BY SUBDIVISION PLAN CHECKING SECTION DATE

JN. 0001 93004 SEWER.P.C. 11602-A.PCA-SH78.DWG

A-SOAIT .C.P. SO-ET424 TCAIT