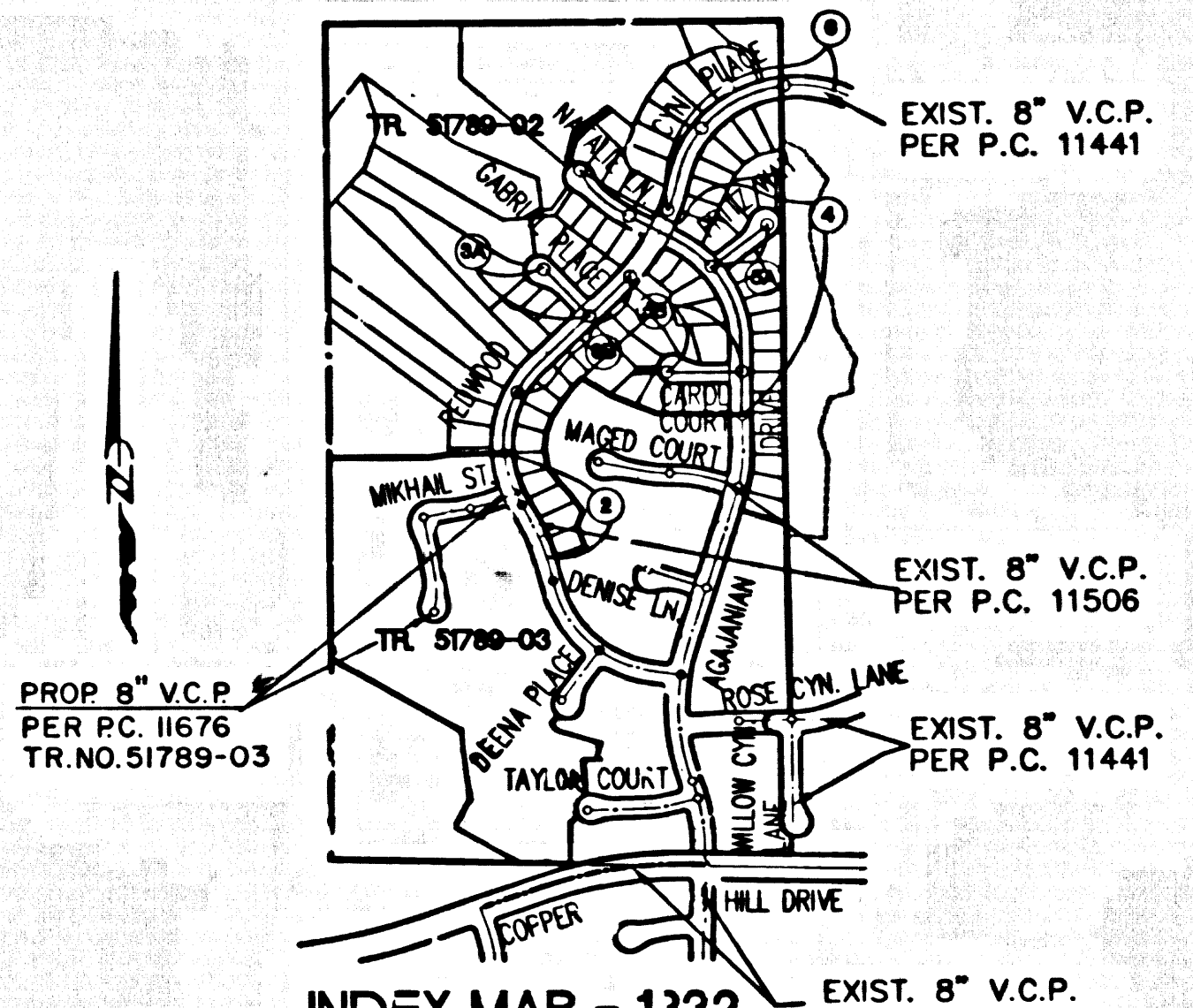


BENCH MARK
 NEWHALL (1995)
 DPW BM 1A6 IN S CB 14FT W/O BCR AT SW COR
 COPPER HILL DR & HASKELL CYN RD 80FT W AND
 SPTT S/O C/L INT (NR W END C B)
 ELEV. 1376.690 B.M. NO. L 6328

**CITY OF SANTA CLARITA
 DISCHARGE APPROVAL ONLY**
 ROBERT REWMAN CITY ENG. DATE 11/26/02



**INDEX MAP - 1332
 TRACT NO. 51789-02
 P.C. 11507**

SCALE: 1" = 600'
 THOMAS GUIDE PG. 4461-B4
 NOTE: NUMBER IN CIRCLE INDICATES PAGE NUMBER.

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	RAISED PROPOSED SURFACE GRADE 1.5'			

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 by sheet flow, rills, ruts, or natural drainage courses, or wind.
- Sediment 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 be spilled on 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.
- Excavations or other construction activities 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 disposal 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 |
| CA004 - Material Delivery and Storage | ESC21 - Dust Controls |
| CA010 - Solid Waste Management | ESC22 - Temporary Stream Crossing |
| CA020 - Hazardous Waste Management | ESC23 - Construction Road Stabilization |
| CA021 - Concrete Waste Management | ESC24 - Stabilized Construction Entrance |
| CA022 - Concrete Waste Management | ESC25 - Storm Drain Inlet Protection |
| CA024 - Sanitary/Septic Waste Management | |
| CA030 - Vehicle and Equipment Cleaning | |
| CA031 - Vehicle and Equipment Fueling | |
| CA032 - Vehicle and Equipment Maintenance | |
| CA033 - Scheduling | |
| ESC02 - 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 | 2000-0 |
| MINIMUM PUBLIC SAFETY REQUIREMENTS | 6008-0 |
| BRICK MANHOLE | 2022-0 |
| DROP MANHOLE | 2023-0 |
| STANDARD MANHOLE STEP | 2015-0 |
| REDDING FOR SEWER PIPE | 2021-0 |
| CRADLING AND ENCASEMENT | 2023-0 |
| PIPE ON THE SUPPORT | 2024-0 |
| ALLOWABLE TRENCH WIDTHS | 2027-0 |
| LOOKING MANHOLE FRAME AND COVER | 2110-0 |
| NON-REINFORCED PRECAST CONCRETE MANHOLE | 2001-0 |
| BREAK AND EXISTING MANHOLE | 2010-0 |
| SPECIAL HOUSE LATERALS | 2222-0 |
| ANCHOR BLOCKS | 2028-0 |
| EROSION PROTECTION IN STEEP SLOPES | 2221-0 |
| JACKING STEEL CASING FOR SEWER PIPE | 2222-0 |
| ANCHOR BLOCKS | 2222-0 |
| TERMINAL CLEANOUT STRUCTURE | 2204-0 |
- * REFERS TO A.P.W.A. STD. DRAWING NO.

THIS SEWER PRIVATE CONTRACT ACCEPTED FOR PUBLIC USE
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS LAND DEVELOPMENT DIVISION
 P.C. 11506 AND P.C. 11444-46 ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES

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 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 (661) 269-4683 SO THAT REQUIRED INSPECTIONS CAN BE MADE.

PRIVATE CONTRACT SEWER GENERAL NOTES

- The following general notes are to be included on Page 1 of all Private Contract Sewer Plans:
 1. 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, 800 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.
 2. 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 on the Certificate Holder, to be notified 30 days prior to cancellation of policy.
 3. 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.
 4. 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.
 5. The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
 6. 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 the project. This note applies to all pages.
 7. 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 prosecuted only in the presence of the Department of Public Works.
 8. 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.
 9. Excavations are to be above U.S.C. & G.S. sea level datum of 1929.
 10. No relocations shall be made in these plans without the approval of the Director of Public Works.
 11. No representative of the Department of Public Works will survey or lay out any portion of the work.
 12. 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 alley, are shown by circles on profiles at all points between designated points.
 13. 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 stationing 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 driveway 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.
 14. The private engineer shall furnish the house lateral depth at the property line below the top of curb stationing 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.
- Victorized clay pipe joints shall be type "D" or "U" 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 8, two feet on each side from the point of interference.
- All joints between cast iron pipe and victorized clay shall be made with a rubber sleeve, 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 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 8, 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.
- Reinforce 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 208-1.3.4 of the standard specification will be required for backfill in street certification of local/interceptor and main and 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 1557-78 method "D" unless otherwise specified. This shall be certified by a qualified civil engineer. The 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 208-1/4 of the standard specifications and special provisions.

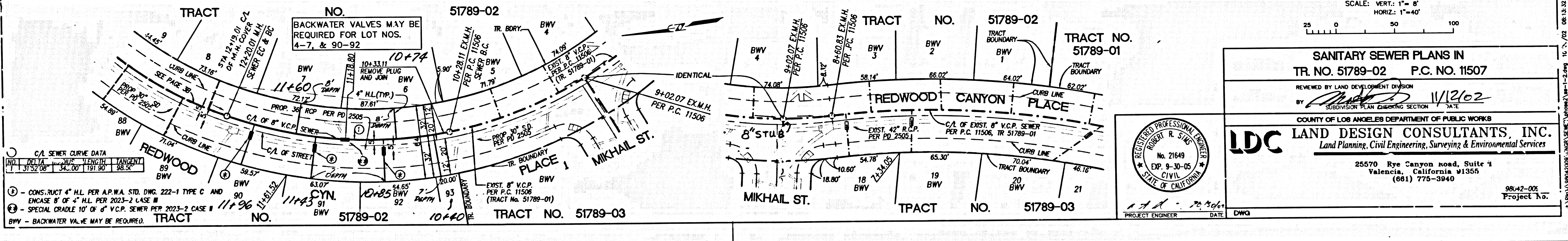
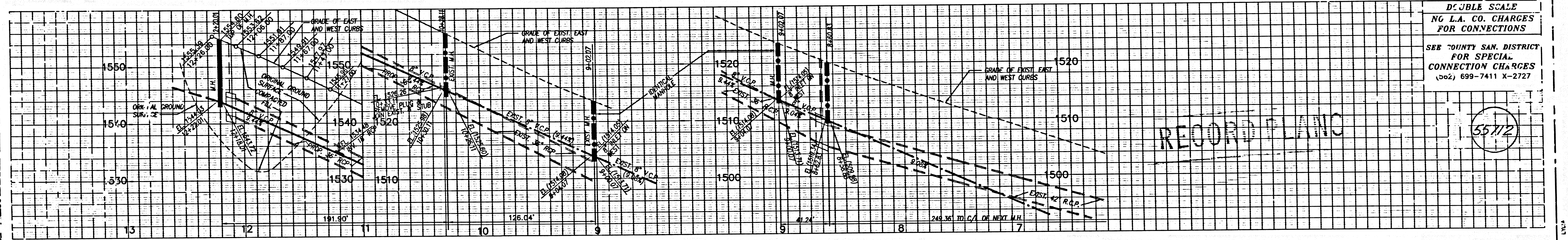
PAGE 1
 PROFILE, ALIGNMENT AND GRADE OF
SANITARY SEWER
 TO BE CONSTRUCTED IN
 TRACT NO. 51789-02 P.C. NO. 11507
 INDEX - 1332
 3 SHEETS: 6 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA

JAMES A. NOYES DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION
 BY *Thomas W. Houghton* 11/26/02
 SUBMITTED BY *[Signature]* 11/26/02
 SUBDIVISION PLAN DESIGN SECTION

APPROVED: COUNTY SANITATION DISTRICT
 JAMES STAHL, CHIEF ENGINEER AND GENERAL MANAGER
 COUNTY SANITATION DISTRICT NO. 28
 BY *[Signature]* DATE 11/16/02

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS:
 THE EXISTENCE AND LOCATION OF ALL 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 UTILITIES 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 CLUMBERG, CHIEF ENGINEER, TELEPHONE COMPANY AT 1-800-848-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.
 DATE 10/30/02
 RCE NO. 21649

P.C. 11507 PAGE 2
 DOUBLE SCALE
 NG L.A. CO. CHARGES FOR CONNECTIONS
 SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 699-7411 X-2727



C.A. SEWER CURVE DATA
 NO. 1 DELTA ANGLE LENGTH TANGENT
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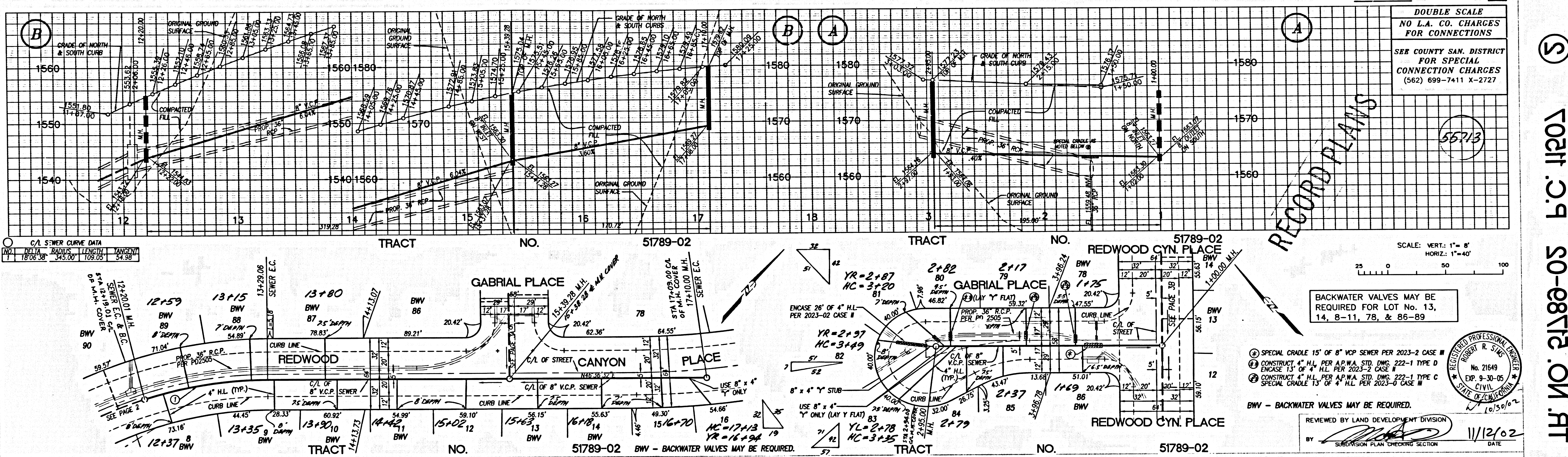
① - CONSTRUCT 4" H.L. PER A.P.W.A. STD. DWG. 222-1 TYPE C AND ENCASE 8" OF 4" H.L. PER 2023-2 CASE #
 ② - SPECIAL GRADE TO 6" V.C.P. SEWER PER 2023-2 CASE #

BWV - BACKWATER VALVE MAY BE REQUIRED.

REGISTERED PROFESSIONAL ENGINEER
 R. STAHL
 No. 21649
 Exp. 9-30-05
 STATE OF CALIFORNIA
 PROJECT ENGINEER DATE DWG

**SANITARY SEWER PLANS IN
 TR. NO. 51789-02 P.C. NO. 11507**
 REVIEWED BY LAND DEVELOPMENT DIVISION
 BY *[Signature]* 11/26/02
 SUBDIVISION PLAN DESIGN SECTION DATE
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
LDC LAND DESIGN CONSULTANTS, INC.
 Land Planning, Civil Engineering, Surveying & Environmental Services
 25570 Rye Canyon Road, Suite 1
 Valencia, California 91355
 (661) 775-3940
 9842-006
 Project No.

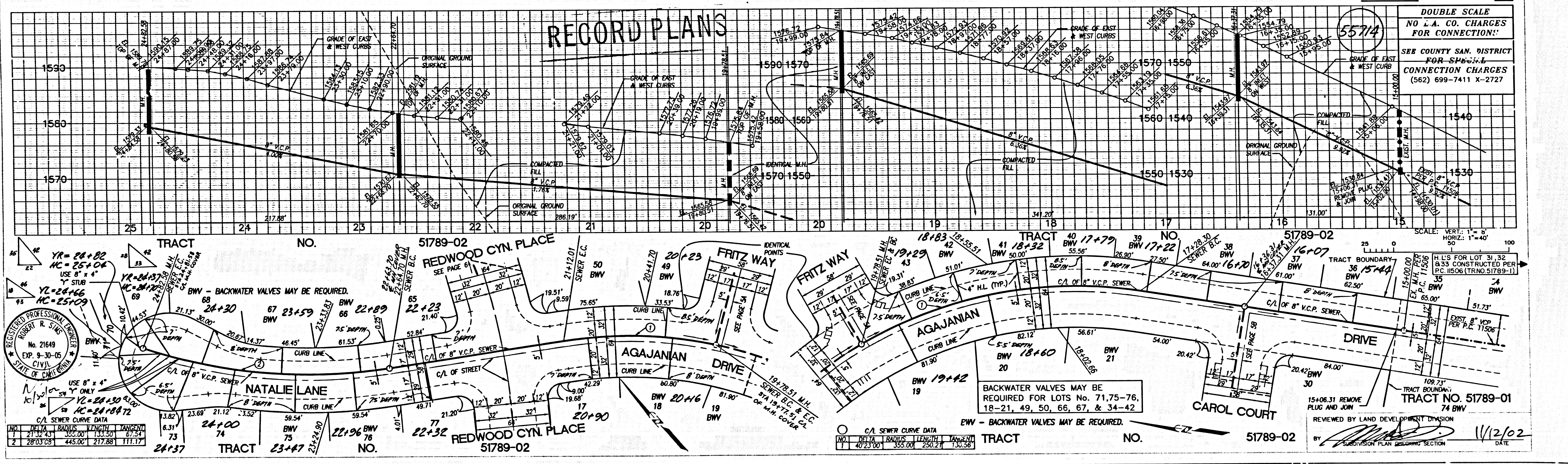
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RECORD PLANS

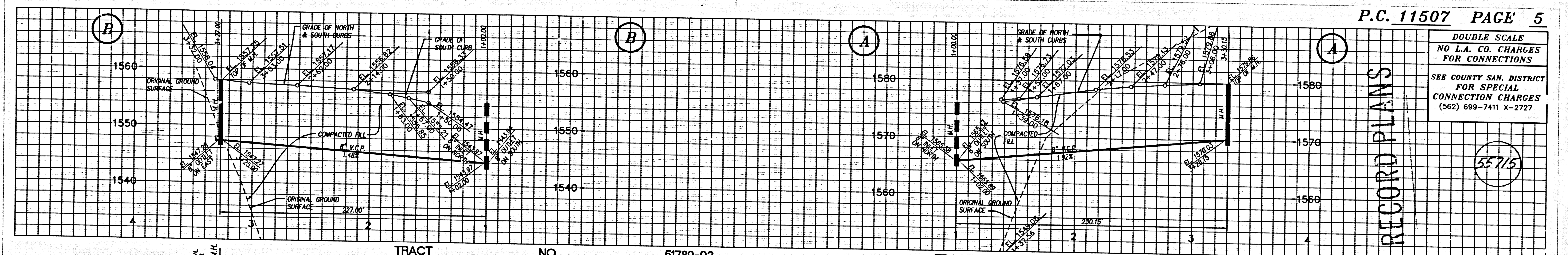
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TRAIT .C.P. SO-08712 .ON .RT

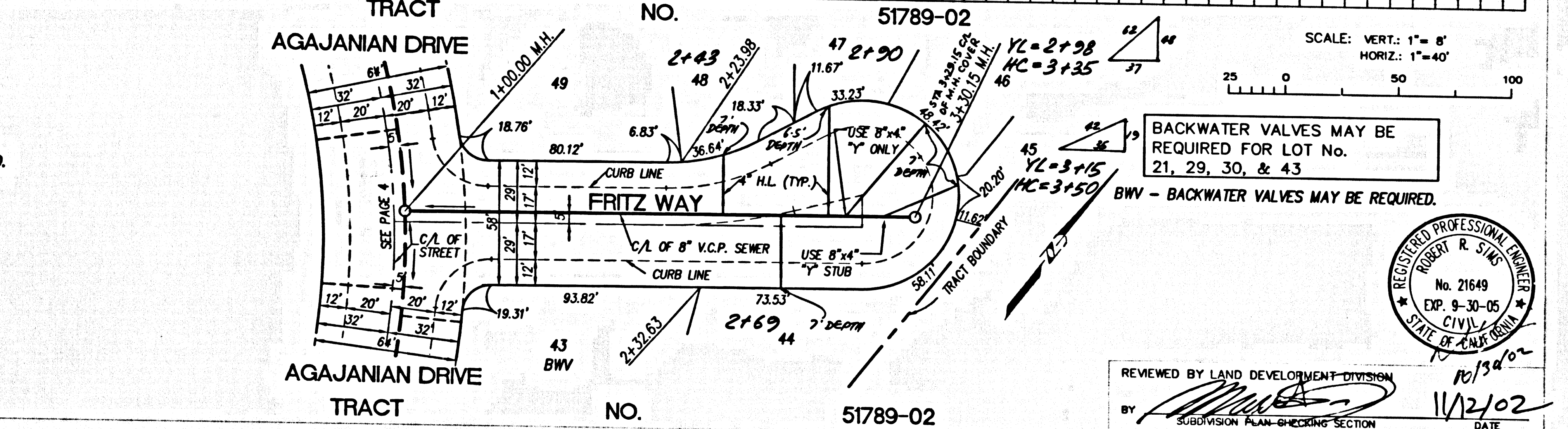
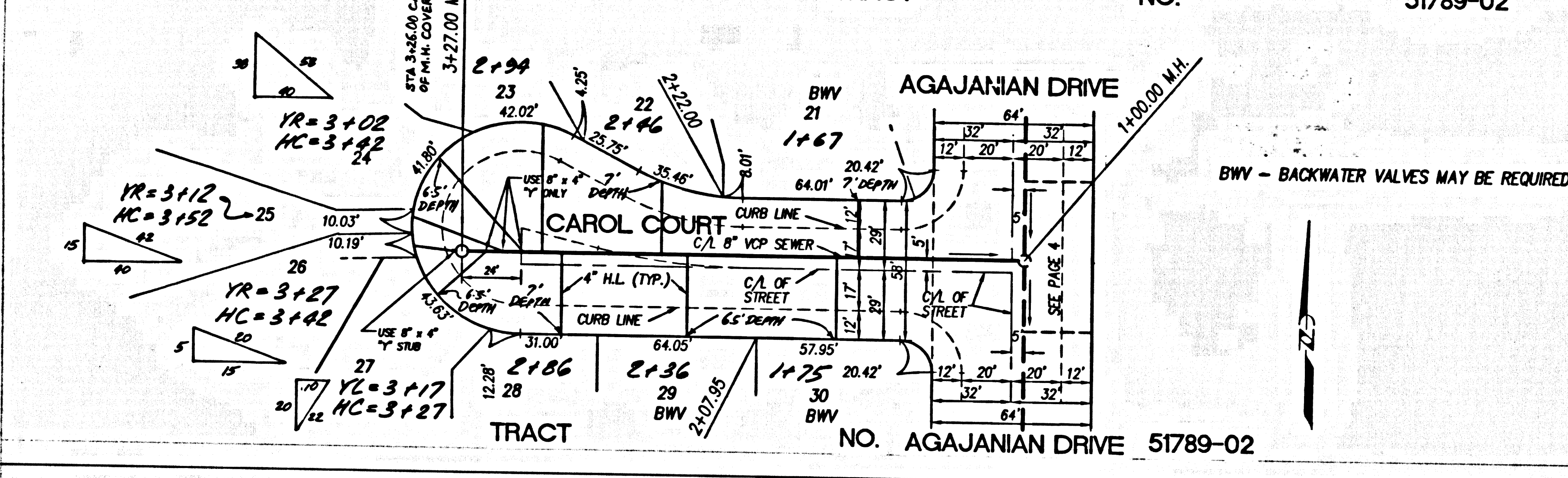


RECORD PLANS

RECORD PLANS

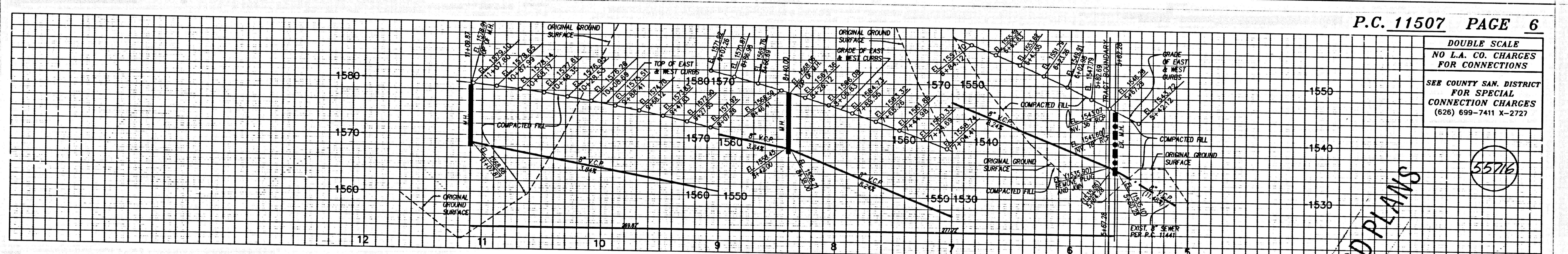


P.C. 11507 PAGE 5
 DOUBLE SCALE
 NO L.A. CO. CHARGES FOR CONNECTIONS
 SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 699-7411 X-2727

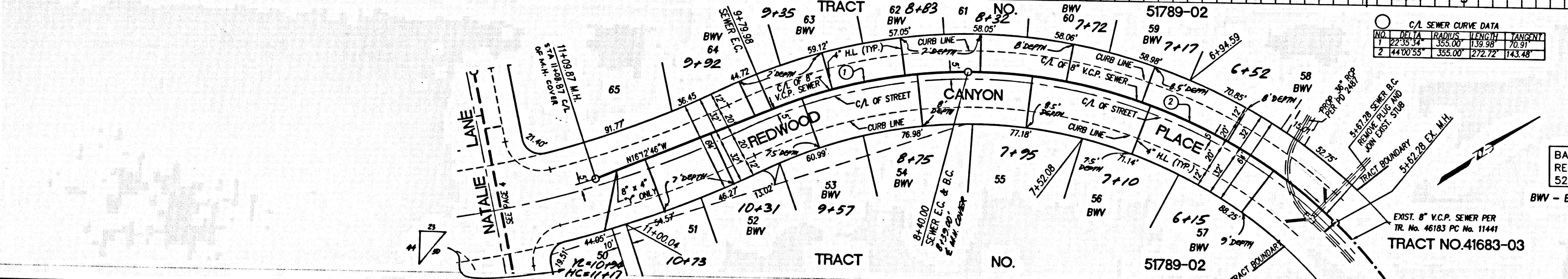


SCALE: VERT: 1"=8'
 HORIZ: 1"=40'
 BACKWATER VALVES MAY BE REQUIRED FOR LOT No. 21, 29, 30, & 43
 BWV - BACKWATER VALVES MAY BE REQUIRED.
 REVIEWED BY LAND DEVELOPMENT DIVISION
 SUBDIVISION PLAN CHECKING SECTION
 DATE 11/12/02

RECORD PLANS
 55715
 70111 C.P. 50-08712 .01 .PT



P.C. 11507 PAGE 6
 DOUBLE SCALE
 NO L.A. CO. CHARGES FOR CONNECTIONS
 SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (626) 699-7411 X-2727



SCALE: VERT: 1"=8'
 HORIZ: 1"=40'
 BACKWATER VALVES MAY BE REQUIRED FOR LOTS No. 56, 57, 52-54, 58-60, & 62-64
 BWV - BACKWATER VALVES MAY BE REQUIRED.
 REVIEWED BY LAND DEVELOPMENT DIVISION
 SUBDIVISION PLAN CHECKING SECTION
 DATE 11/12/02

RECORD PLANS
 55716