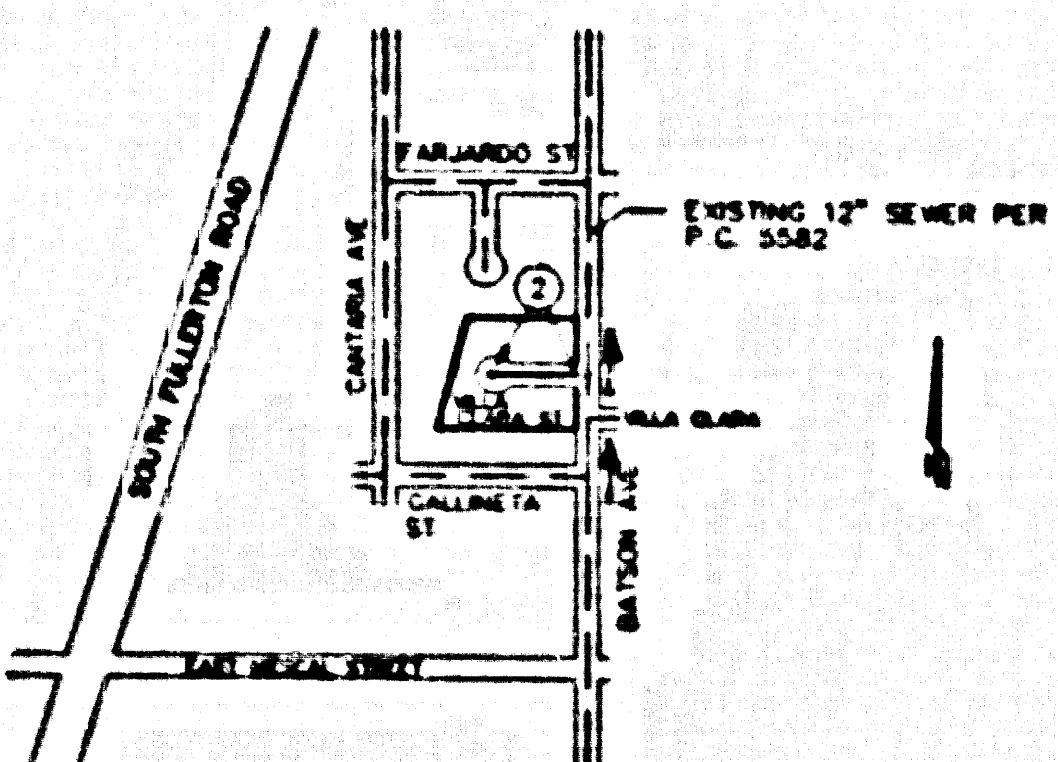


BENCH MARK DG 4203 ELEVATION 533.185  
 NO. 101 1/2" R/O BCR @ 1/2" DIA. FALLITION NO. 8  
 METAL 37 43 71 4 8 32 71 1/2" O.D. INTERSECTION  
 OTTERBEIN QUAD 1980



INDEX MAP  
 TR 51805  
 P.C. 11286  
 T.C. 879-A6  
 SCALE 1"=100'

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS BEYOND OR THROUGH DRAINWAYS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICTS 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 (818) 988-8828 SO THAT REQUIRED INSPECTIONS CAN BE MADE.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS  
 The existence and location of any underground utility pipes or structures shown on these plans are obtained by search of the available records. To the best of our knowledge there are no existing utilities except as shown on these plans. The contractor is required to take due precautionary measures to protect the utility lines shown and any other lines not of record or not shown on these plans.

*Jon D. Hulmann*  
 P.E. 25742  
 10-12-94  
 Date

- GENERAL NOTES:**
1. A sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the Department of Public Works of the Permit Counter, 800 South Fremont Avenue, 8th Floor, Anaheim, at least 72 hours prior to starting work under this contract. Copies of all other required permits, such as Road Excavation, Catran, etc., must be filed with the permit application.
  2. 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 marine construction insurance with the Department of Public Works named on the certificate holder to be notified 30 days prior to construction of policy.
  3. If work is to be done on 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 file the inspection fee.
  5. The contractor shall contact the district office based on the "Application for Construction Permit" to arrange for an acceptable construction start date, and shall notify the construction division by telephone (818) 988-3129 at least twenty-four hours before starting any work under this contract.
  6. 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.
  7. All work shall be in accordance with the "Standard Specifications for Public Works Construction, 1988 Edition" including amendments and the Special Provisions for the Construction of Sanitary Sewers, dated July 31, 1990, and shall be presented only in the presence of the Department of Public Works personnel.
  8. The contractor's attention is directed to section 7-10.6.1 of the Standard Specifications for Public Works Construction in regard to safety orders and shall conform to the "maximum public safety requirements" as shown on Los Angeles Department of Public Works Standard S-2.
  9. Elevation are in feet above U.S.C. & G.S. Sea Level Datum of 1929.
  10. No rework 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 are to be constructed are shown on plans and profiles. Cross points for top of curb, centerline of streets or cantonments of above are shown by circles at all points between designated points. The grade shall be continuous as to conform to a straight line drawn between said designated points.
  13. The private engineer shall furnish the Department of Public Works with grade sheets and stationing for all house laterals and "T" branches and shall provide stakes for them at their proper locations with stationing every 100 feet. All house laterals shall be constructed as a straight segment straight 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 of the property line below the top curb elevation for each house lateral on the grade sheet.

- CONSTRUCTION NOTES:**
1. Provide survey stakes on the property line or property lines produced of right angles to the sewer line at the cantonment of each manhole.
  2. Wherever day pipe joints shall be type "D" or "T" per Standard Specifications section 208-2.
  3. If a sewer 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.
  4. All joints between cast iron pipe and vitrified clay pipe shall be made with a rubber gasket joint, type "D" (with bushing if necessary) per Standard Specifications Section 208-2.
  5. House laterals to be constructed with joints at the property line 6 feet below curb grade except as noted.
  6. Size of tee branches may be used for connections to manhole sewers except as noted.
  7. 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.
  8. All structures shall be either brick sewer manholes per Standard Plan S-3 or precast concrete sewer manholes per Standard Plan S-26, or reinforced concrete manholes per Standard Plan S-8 except as noted.
  9. Reinforcement of trenches within paved areas to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permit.
  10. Full compliance with section 308-1.3.4 of the Standard Specifications will be required for backfill in streets. Certification of backfill compaction and sand equivalent by a qualified civil engineer shall be provided by the permittee prior to the issuance of a certificate of partial acceptance of the project.
  11. All backfill and fill outside of street right of way shall be compacted to 90% of maximum density as determined by ASTM and conformance with 0.150-1.78 minimum 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 acceptance of the work by the County.
  12. Manhole tops in unimproved rights of way to be six inches above finished grade.
  13. Sewers to be tested for leakage per Section 308-1.4 of the Standard Specifications and Special Provisions.

PROFILE ALIGNMENT AND GRADE OF  
**SANITARY SEWERS**  
 TO BE CONSTRUCTED IN  
**TRACT 51805**  
**PRIVATE CONTRACT NO 11286**

INDEX 2263  
 1 SHEET, 2 PAGES

SCALE: 1"=100' HORIZONTAL  
 1"=10' VERTICAL

OCTOBER, 1994

54153

PREPARED IN THE OFFICES OF  
 THEILMANN ENGINEERS  
 1078 TOWN AND COUNTRY ROAD  
 ORANGE, CA 92668

BY *Jon D. Hulmann* 10-12-94  
 REG. C.E. NO. 25742  
 MY REGISTRATION EXPIRES 12/31/97

TEL No. (714) 647-0595

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

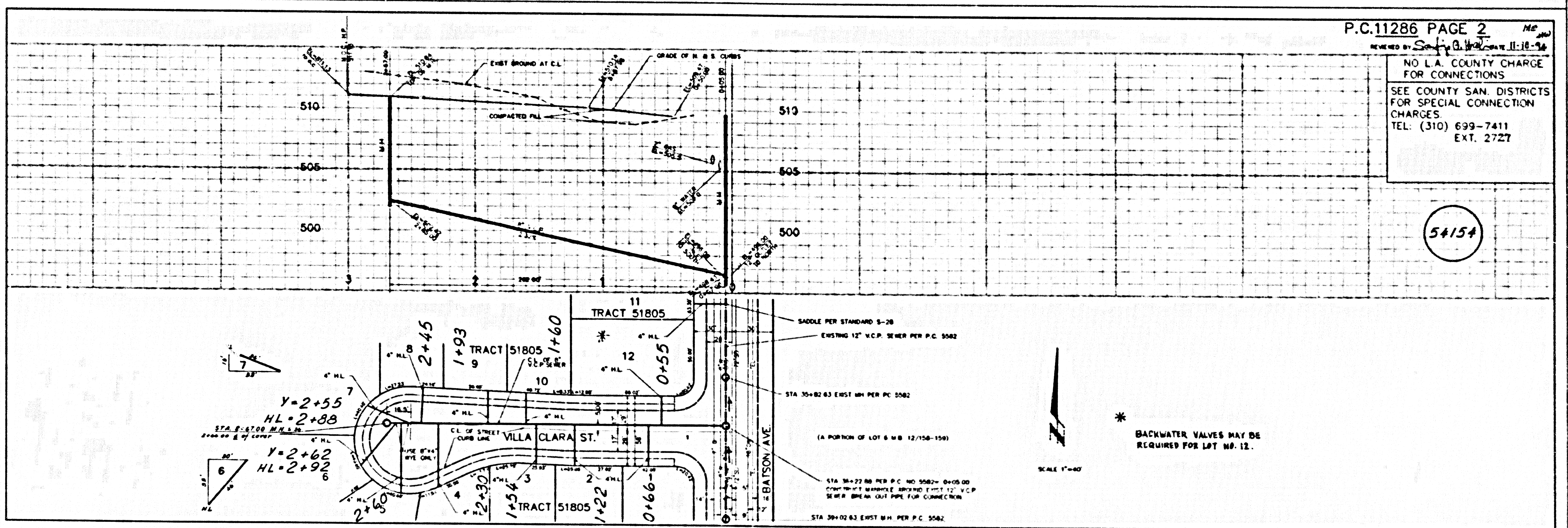
LEGEND	S-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	S-2
SPICE MANHOLE	S-3
REINFORCED PRECAST CONCRETE MANHOLE	S-4
STANDARD MANHOLE STEP	S-17
SECCING FOR SEWER PIPE	S-21
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LOOKING MANHOLE FRAME AND COVER	S-35
NON-REINFORCED PRECAST CONCRETE MANHOLE	S-36

COUNTY OF LOS ANGELES, CALIFORNIA

HARRY W. STONE  
 DIRECTOR OF PUBLIC WORKS  
 APPROVED: *Jon D. Hulmann* 10/10/94  
 DATE

CHARLES W. CARRY  
 CHIEF ENGINEER  
 COUNTY SANITATION DISTRICT NO. 22  
 APPROVED: *Jon D. Hulmann* 11-21-94  
 OFFICE ENGINEER

CHECKED: *Thomas J. ...* 11/14/94  
 DATE  
 REG. C.E. NO. 26275  
 L.A. PUBLIC BLDG. DIST. 2.02



P.C. 11286 PAGE 2  
 REVISIONS BY *Jon D. Hulmann* DATE 11-18-94

NO L.A. COUNTY CHARGE FOR CONNECTIONS  
 SEE COUNTY SAN. DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL: (310) 699-7411  
 EXT. 2727

54154

\* BACKWATER VALVES MAY BE REQUIRED FOR LOT NO. 12.

SCALE 1"=100'