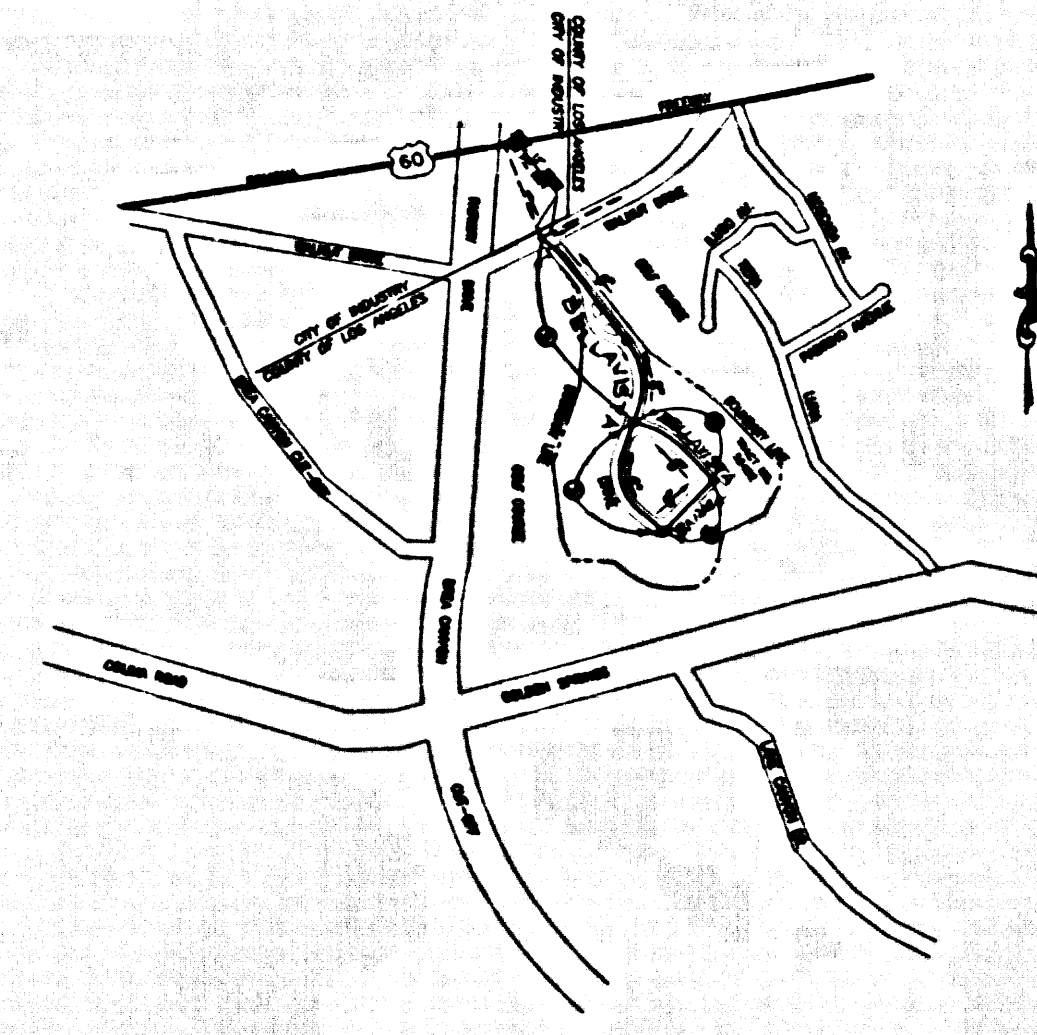


BENCH MARKS
 BM NO. G 4740 ELEV. = 506.777 FT.
 DPM BM TAG N CB 300MM W/O BCR @ NW COR WALNUT
 DR S @ FARMWAY DR 17W N @ 13M W/O C/L INT.
 OTTERBEIN QUAD 1995



INDEX MAP-2348
 P.C. NO. 11512 TR. NO. 52492
 SCALE: 1"=600'
 THOMAS GUIDE PG.: 679-E4
 INSTRUCTION NOTE:
 NUMBERS IN CIRCLES INDICATE PAGE NUMBER.
 E-2348

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 to sheet flow, ditches, open drains, natural drainage courses, or water.
- 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 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.
- Traffic 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 broomed 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. 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 |
| CA005 - Material Delivery and Storage | ESC21 - Dust Controls |
| CA020 - Solid Waste Management | ESC22 - Temporary Stream Crossing |
| CA021 - Hazardous Waste Management | ESC23 - Construction Road Stabilization |
| CA023 - Concrete Waste Management | ESC24 - Stabilized Construction Entrance |
| CA024 - Sanitary/Septic Waste Management | ESC24 - Storm Drain Inlet Protection |
| CA030 - Vehicle and Equipment Cleaning | |
| CA031 - Vehicle and Equipment Fueling | |
| CA032 - Vehicle and Equipment Maintenance | |
| ESC01 - 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
 APWA 208-0 BREAKING INTO EXISTING MANHOLES
 APWA 222-0 HOUSE CONNECTION REMODELING
 APWA 223-0 HOUSE CONNECTION REMODELING
 2000-0 LEASED FOR SANITARY SEWER PLANS AND PROFILES AND DISTRICT MAPS
 2021-0 BEDDING FOR SEWER PIPE
 2024-0 WIRE OR THE SUPPORT
 2027-0 ALLOWABLE TRENCH WIDTHS

BEFORE BREAKING INTO OR CONSTRUCTION OF A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (626) 952-1403 SO THAT MODIFIED INSPECTION CAN BE MADE.

CITY OF INDUSTRY
 APPROVED BY: *John Balder* 11/14/00
 CITY ENGINEER 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 CONNECTIONS.

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 Front Street, 8th Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as Road Excavation, 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 Highway, 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 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 supplements and the latest Special Provisions for the Construction of Sanitary Sewers and shall be professional 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. see 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.
- Grades to which this improvement is to be constructed are shown on plans and profiles. Grade points for top of curbs, centerline of streets, or centerline of alleys, are shown by circles on profiles of 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 manholes and "Y" or "T" branches and shall provide stakes for all street locations with stationing plainly marked. All house laterals shall be constructed in a straight alignment of 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.
- 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 clay pipe joints shall be type "D" or "C" per standard specifications section 208-2.
- If a pipe is within three feet of the sewer, the sewer shall be encased per standard plan S-23, case 1, two feet on each side from the point of interference.
- All joints between cast iron pipe and verified 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 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 pipes shall be encased per standard plan S-23, case 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-35, or reinforced precast concrete manholes 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 308-1.3.4 of the standard specifications will be required for backfill in street certification of both pipe connection 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 1557-78 method "D" unless otherwise specified. This shall be certified by a qualified civil engineer. These certifications 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 unpaved 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.

PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS
 TO BE CONSTRUCTED IN

TRACT NO. 52492 P.C. NO. 11512
 2 SHEETS: 4 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA
 INDEX 2348

HARRY W. STONE DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION
 BY: *John Balder* 11/14/00
 SUBDIVISION PLAN CHECKING SECTION DATE
 SUBMITTED BY: *DM* 11/29/00
 SUBDIVISION PLAN CHECKING SECTION DATE

APPROVED: COUNTY SANITATION DISTRICT
 OF LOS ANGELES CALIF.
 JAMES T. STAN - CHIEF ENGINEER and GENERAL MANAGER
 COUNTY SANITATION DISTRICT NO. 21

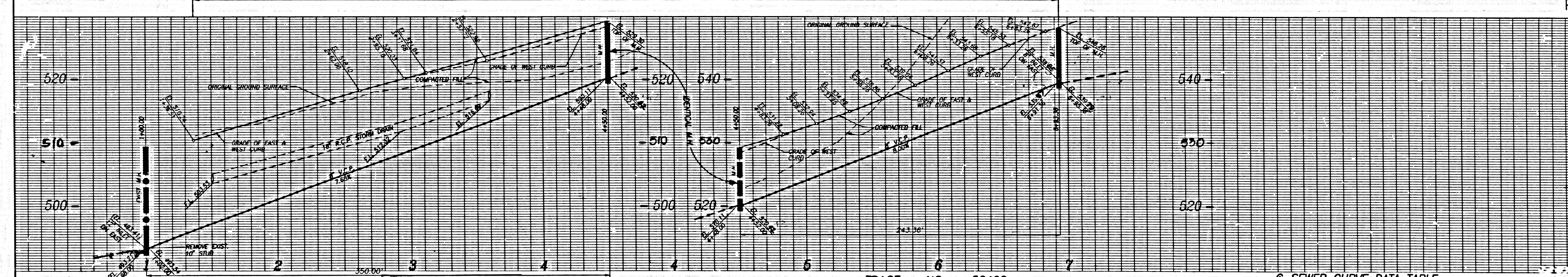
BY: *John Balder* DATE: 11/14/00

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 AND 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 MR. RAY CUMMINGS, GENERAL TELEPHONE COMPANY AT 1-805-948-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

DATE: 11/14/00
 DATE: 11/29/00

NO.	REVISION	REVISED BY	APPROVED BY	DATE

SEE CONSTRUCTION NOTE NO. 11 ON PAGE 1 REGARDING COMPACTION

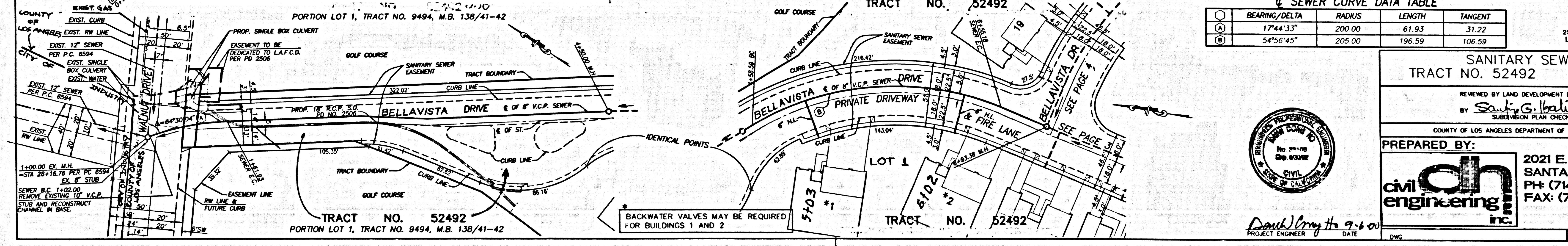
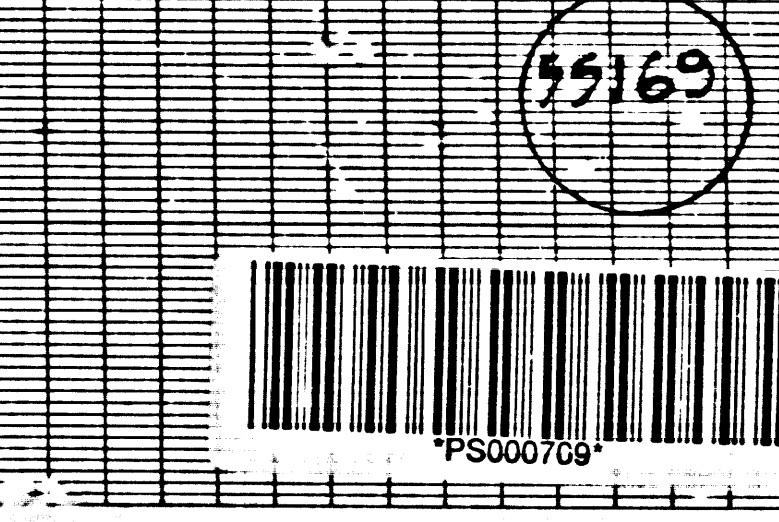


P.C. 11512 PAGE 2

NO L.A. CO. CHARGE FOR CONNECTION
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (562) 699-7411 EX. 2727
 DOUBLE SCALE

SEWER CURVE DATA TABLE

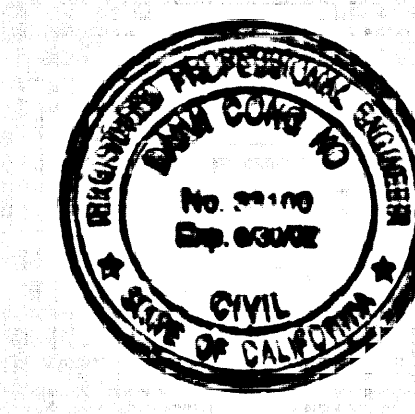
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54°56'45"	205.00	196.59	106.59



SANITARY SEWER PLANS IN TRACT NO. 52492 PC NO. 11512

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY: *John Balder* 11/14/00
 SUBDIVISION PLAN CHECKING SECTION DATE
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

PREPARED BY:
civil engineering inc.
 2021 E. FOURTH STREET, SUITE 119
 SANTA ANA, CA. 92705
 PH: (714) 547-6652
 FAX: (714) 547-6765

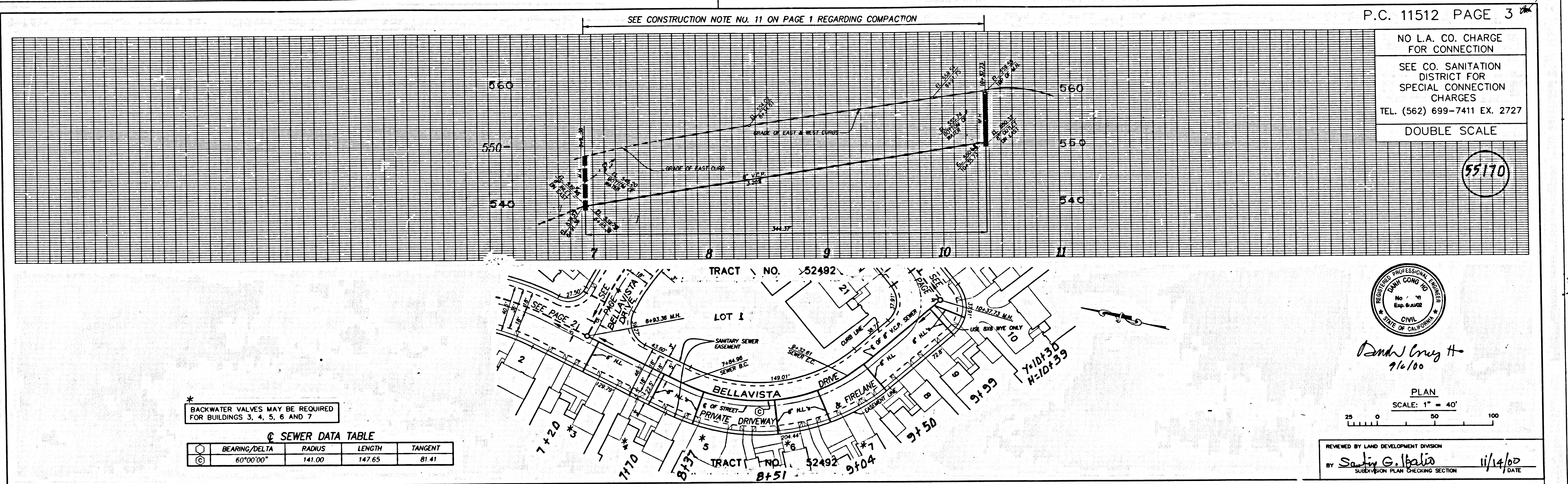


DATE: 11/14/00
 PROJECT ENGINEER DATE

1 5/11/00 9 52492 2348

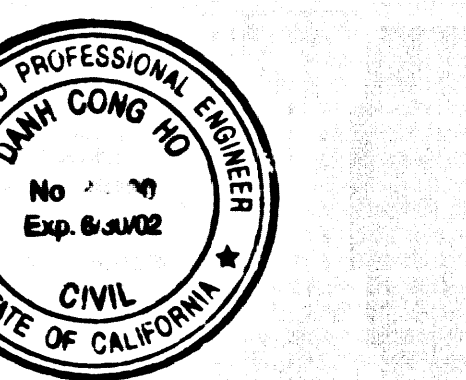
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S 51211.29 SEASE ON TRACT



P.C. 11512 PAGE 3
 NO L.A. CO. CHARGE FOR CONNECTION
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (562) 699-7411 EX. 2727
 DOUBLE SCALE

55170



David Craig H.
9/6/00

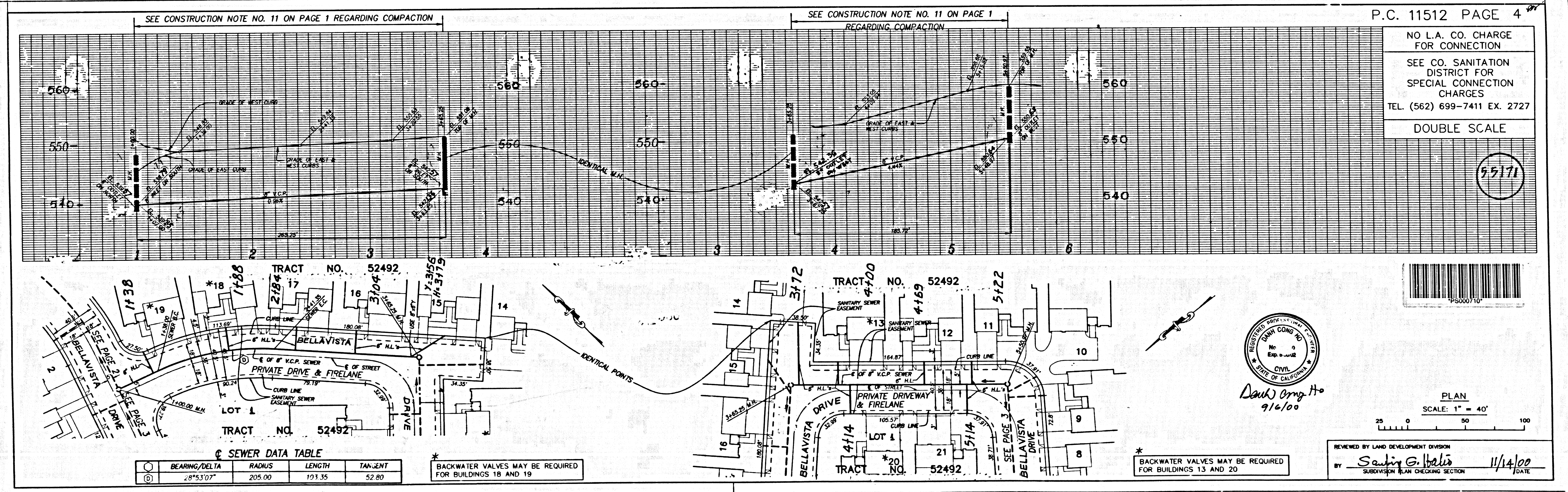
PLAN
SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY Sawin G. Balis 11/14/00
 SUBDIVISION PLAN CHECKING SECTION DATE

* BACKWATER VALVES MAY BE REQUIRED FOR BUILDINGS 3, 4, 5, 6 AND 7

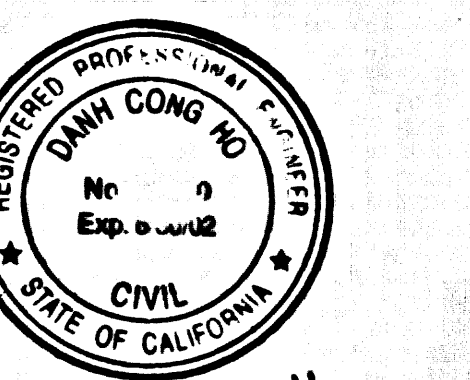
SEWER DATA TABLE

BEARING/Delta	RADIUS	LENGTH	TANGENT
60°00'00"	141.00	147.65	81.41



P.C. 11512 PAGE 4
 NO L.A. CO. CHARGE FOR CONNECTION
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (562) 699-7411 EX. 2727
 DOUBLE SCALE

55171



David Craig H.
9/6/00

PLAN
SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY Sawin G. Balis 11/14/00
 SUBDIVISION PLAN CHECKING SECTION DATE

* BACKWATER VALVES MAY BE REQUIRED FOR BUILDINGS 18 AND 19

SEWER DATA TABLE

BEARING/Delta	RADIUS	LENGTH	TANGENT
28°53'07"	205.00	173.35	52.80

6 UNCE 1186 ENR/S&M/2/01/06.dwg Tue Aug 29 10:31:31 2000