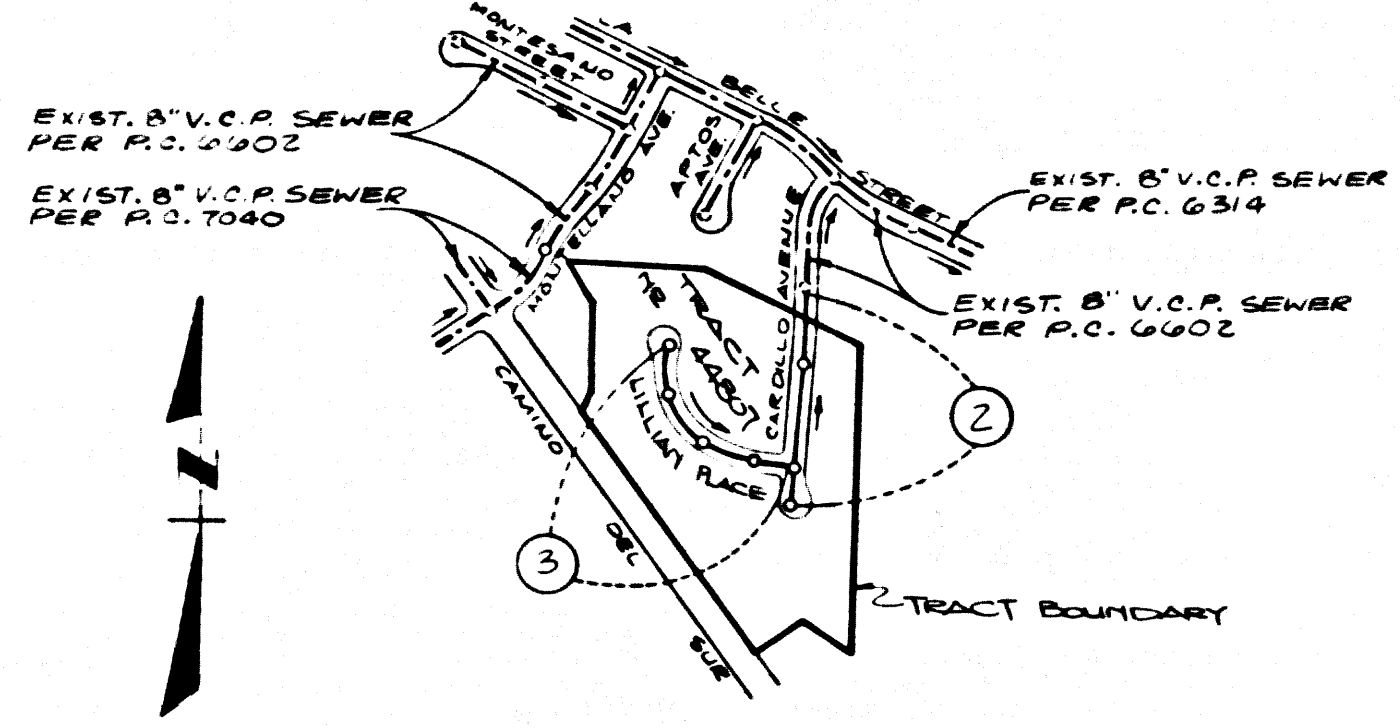


B.M.C.G. 1612 ELEV. 574.246  
 RBM TAG 1 FT. S. OF END CONC. RET.  
 WALL AROUND HSE. NO. 1330 LOS MITOS DR.  
 31 FT. S. C/L & 337 FT. E. MONTELLANO AVE.  
 WHITTIER QUAD. 19 80



INDEX MAP  
 TRACT NO. 44807  
 P.C. 10764  
 SCALE: 1" = 600'

**PRIVATE ENGINEER'S NOTICE TO CONTRACTORS**

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A 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 AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UNDERGROUND SERVICE ALERT AT 1-800-421-4132 TWO WORKING DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.

REGISTERED PROFESSIONAL ENGINEER  
 JOHN W. SARRACINO  
 R.C.E. NO. 1933

**CONSTRUCTION NOTES CONT.**

- 16. FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A B.S. COMPOSITE PIPE.
- 17. MANHOLE WATER STOP GASKETS AND CLAMPS ARE REQUIRED FOR THE CONNECTION OF A B.S. COMPOSITE PIPE TO MANHOLE STRUCTURES.
- 18. A B.S. SOLID WALL PIPE MUST BE USED FOR WYE AND HOUSE LATERAL CONNECTIONS TO A B.S. COMPOSITE MAINLINE SEWER PIPE.
- 19. A B.S. COMPOSITE PIPE SHALL BE BEDDED IN CONFORMANCE WITH THE TABLE IN SECTION B.3.1 OF PART IV OF THE SPECIAL PROVISIONS.
- 20. THREE DEGREE DEFLECTION COUPLERS ARE REQUIRED FOR RADIUS OF CURVATURE LESS THAN 200 FEET WHEN USING A B.S. COMPOSITE PIPE.
- 21. NO CONNECTIONS FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED IF A B.S. COMPOSITE PIPE IS USED.
- 22. SEWER LINE CURVATURE SHALL NOT BE ACHIEVED BY PULLING OF JOINTS OR BENDING PIPE ENDS WHEN USING PLASTIC PIPE INCLUDING A B.S. COMPOSITE PIPE.
- 23. ALL WYES AND ON HOUSE LATERALS ARE TO BE LOCATED AT LEAST 12 FEET APART AND WHEN POSSIBLE NOT CLOSER THAN 12 FEET TO ANY MANHOLE.
- 24. A B.S. SOLID WALL PIPE IS NOT ACCEPTABLE FOR USE AS MAINLINE SEWER.
- 25. ONLY WYE BRANCHES ARE TO BE USED FOR CONNECTION TO A B.S. COMPOSITE MAINLINE SEWER PIPE.

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.

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 (818) 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

**GENERAL NOTES:**

- 1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
- 2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
- 3. NO REPRESENTATIVE OF THE DEPT. OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
- 4. 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. AT ALL POINTS BETWEEN DISJOINTED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.
- 5. THE PRIVATE ENGINEER SHALL FURNISH THE DEPT. OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE 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 AT STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAINLINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CHIMNEYS SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAINLINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
- 6. 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.
- 7. BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIV. OF THE L.A. DEPT. OF PUBLIC WORKS PERMIT OFFICE NO. 18 PER A FEE TO THE DIRECTOR OF PUBLIC WORKS 300 S. FREEMANTLE AVE. ALHAMBRA, CA 91803 - 9th FLOOR TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
- 8. IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 100 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
- 9. 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 PAGES.
- 10. REFER TO SECTION 710.1 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS.
- 11. PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPT. OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIV. OF THE DEPT. OF PUBLIC WORKS PERMIT OFFICE NO. 8 FOR EXCAVATION AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS' COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, 300 S. FREEMANTLE AVE., ALHAMBRA, CA 91803 - 9th FLOOR AS THE CERTIFICATE HOLDER. IT IS TO BE NOTICED 30 DAYS PRIOR TO CANCELLATION OF POLICY.

**CONSTRUCTION NOTES:**

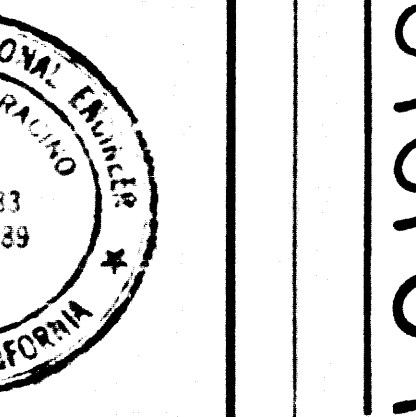
- 1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION WITH THE SUPPLIERS' LIST AND DEPT. OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPT. 21, 1988 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPT. OF PUBLIC WORKS.
- 2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIV. OF PUBLIC WORKS DEPT. TELEPHONE 328-3118 AT LEAST 24 HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- 3. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 4 FEET BELOW CURB GRADE EXCEPT AS NOTED.
- 4. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- 5. WYE BRANCHES ONLY MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS IF A B.S.C.P. IS USED.
- 6. ALL STRUCTURES SHALL BE EITHER BRICK SEWER MANHOLE PER S-28 OR PRECAST CONCRETE SEWER MANHOLE PER S-28 EXCEPT AS NOTED.
- 7. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
- 8. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
- 9. WITHEDED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "10" PER STANDARD SPECIFICATIONS SECTION 208.2.
- 10. IF A WITHEDED PIPE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER S-23, CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- 11. IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAIN LINE OR HOUSE LATERAL SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-23, CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- 12. ALL JOINTS BETWEEN CAST IRON PIPE AND WITHEDED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D" (WITH BENDING IF NECESSARY) PER STANDARD SPECIFICATIONS SECTION 208.2.
- 13. ALL JOINTS BETWEEN CAST IRON PIPE AND A B.S.C.P. SHALL BE MADE WITH APPROVED FITTINGS.
- 14. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 208.1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- 15. RESURFACE ALL TRENCHES WITHIN PAVED AREAS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- 16. FULL COMPLIANCE WITH SECTION 208.1.3 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPLETION AND SAND EQUIVALENTS BY A QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
- 17. SPECIAL BACKFILL IN EASEMENT CONSTRUCTION (A) BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADE AND SLORES SHOWN ON THE DRAWING. AN APPROVED FOR THIS DEVELOPMENT BY THE LAND DEVELOPMENT DIVISION (B) ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A S T M STD METHOD OF TEST 908.31T AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH CONSTRUCTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIV. OF PUBLIC WORKS DEPT.

**DOUBLE SCALE**

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

TRACT NO. 44807  
 PRIVATE CONTRACT NO. 10764

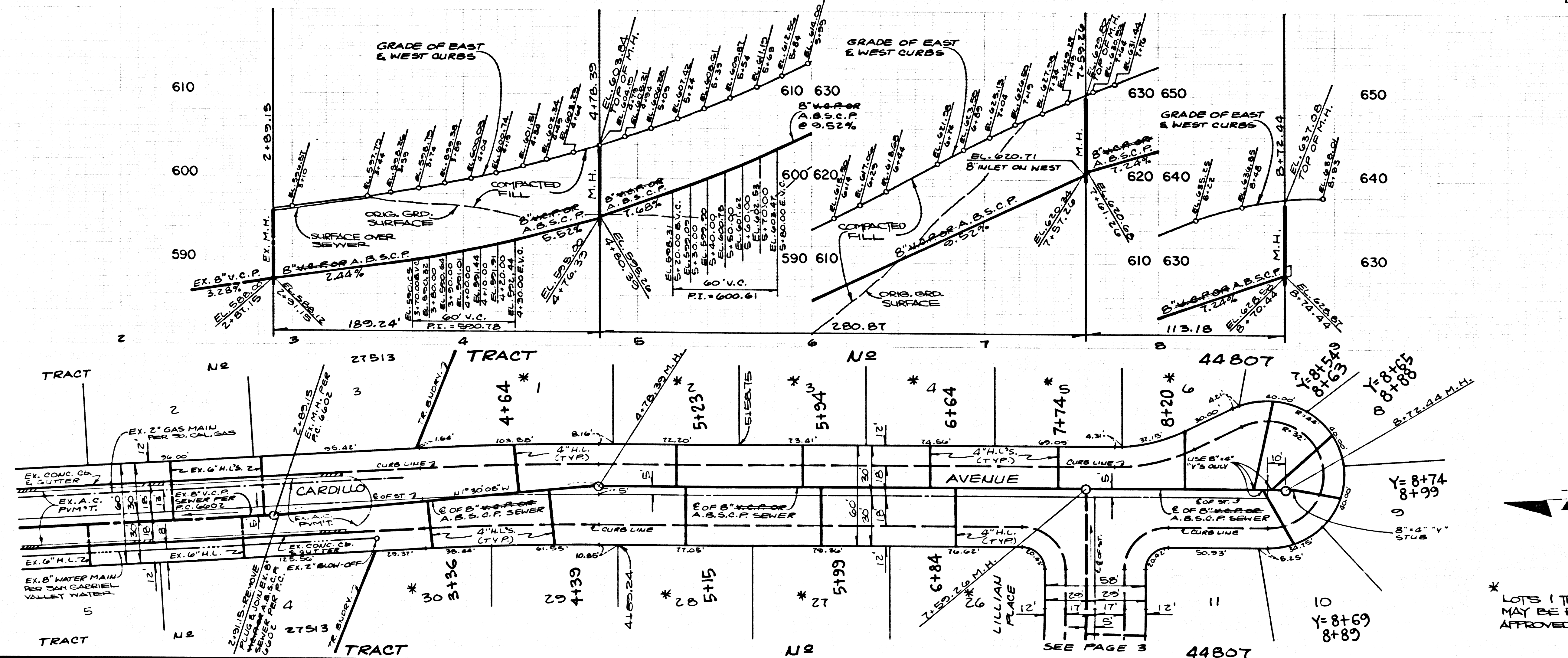
INDEX: U-113; D 6  
 2 SHEETS; 3 PAGES  
 SCALE: VERT. 1" = 4'  
 HORIZ. 1" = 40'  
 PREPARED IN THE OFFICES OF  
 LIND & HILLERUD, INC.  
 300 HAYDEN DRIVE  
 SAN MARINO, CA 91766  
 (914) 89-5481  
 BY: JOHN W. SARRACINO REG. C.E. 1933



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	SECTION
MINIMUM PUBLIC SAFETY REQUIREMENTS	S-1
BRICK SEWER MANHOLE	S-2
STANDARD MANHOLE STEP	S-3
BEDDING FOR SEWER PIPE	S-17
CHANGING AND ENCASING	S-23
WYE OR TEE SUPPORT	S-28
ALLOWABLE TRENCH WIDTHS	S-33
LOCKING MANHOLE FRAME AND COVER	S-38
NON-REINFORCED PRECAST CONCRETE SEWER MANHOLE	S-38

COUNTY OF LOS ANGELES, CALIFORNIA  
 THOMAS A. TIDEMANSON, DIRECTOR  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED: Dean E. Spethour, 4-19-88  
 REVIEWED BY: [Signature] 4/13/88  
 BSI CONSULTANTS, INC. DATE: 4/23/88  
 CHARLES W. CARRY, CHIEF ENGINEER  
 CO. SAN. DIST. NO. 21  
 APPROVAL OF THIS PLAN BY THE LAND DEVELOPMENT DIVISION IS BASED ON A REVIEW BY AN ENGINEERING CONSULTANT UNDER CONTRACT WITH THE COUNTY OF LOS ANGELES.  
 LA PUENTE BLDG. DIST. 2



REVIEWED BY: [Signature] P.C. 10764 PAGE 2  
 DATE: 4/13/88

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

\* LOTS 1 THRU 6, 21, 28 & 30 MAY BE REQUIRED TO INSTALL APPROVED BACKWATER VALVES

1

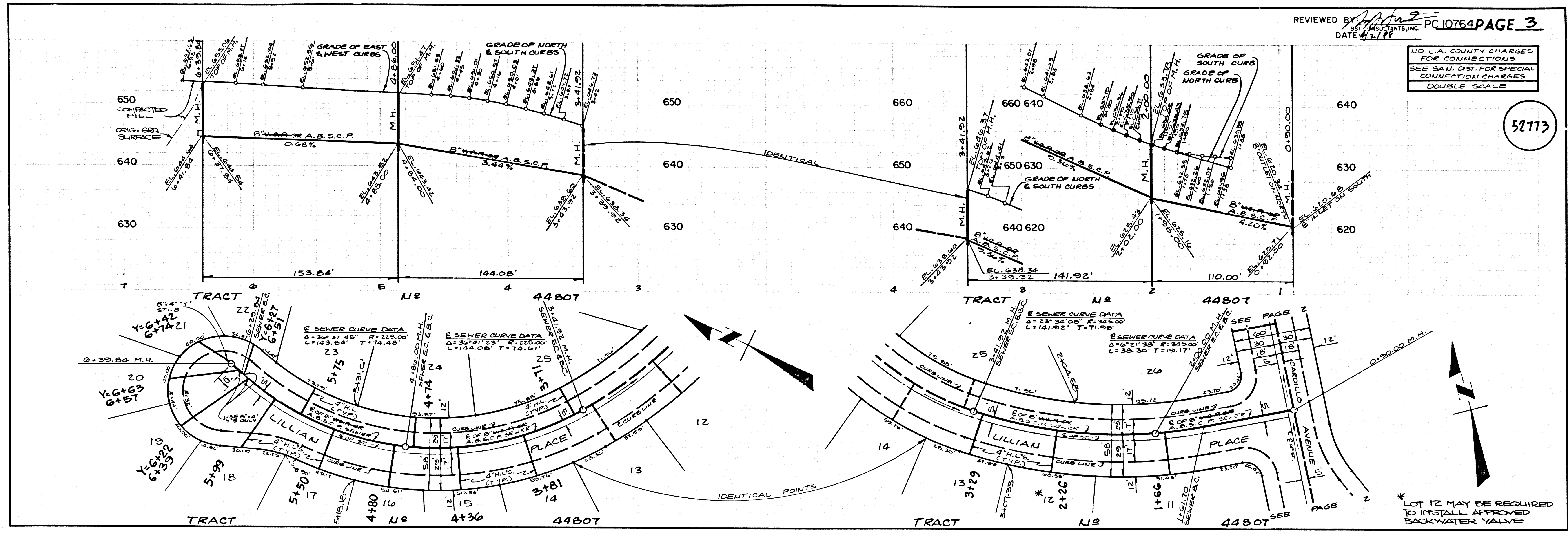
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REVIEWED BY: *[Signature]* DATE: 4/2/11 PC 10764 PAGE 3

NO L.A. COUNTY CHARGES FOR CONNECTIONS SEE S.A.U. DIST. FOR SPECIAL CONNECTION CHARGES DOUBLE SCALE

52173

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5

52173

PC 10764

TRACT 44807