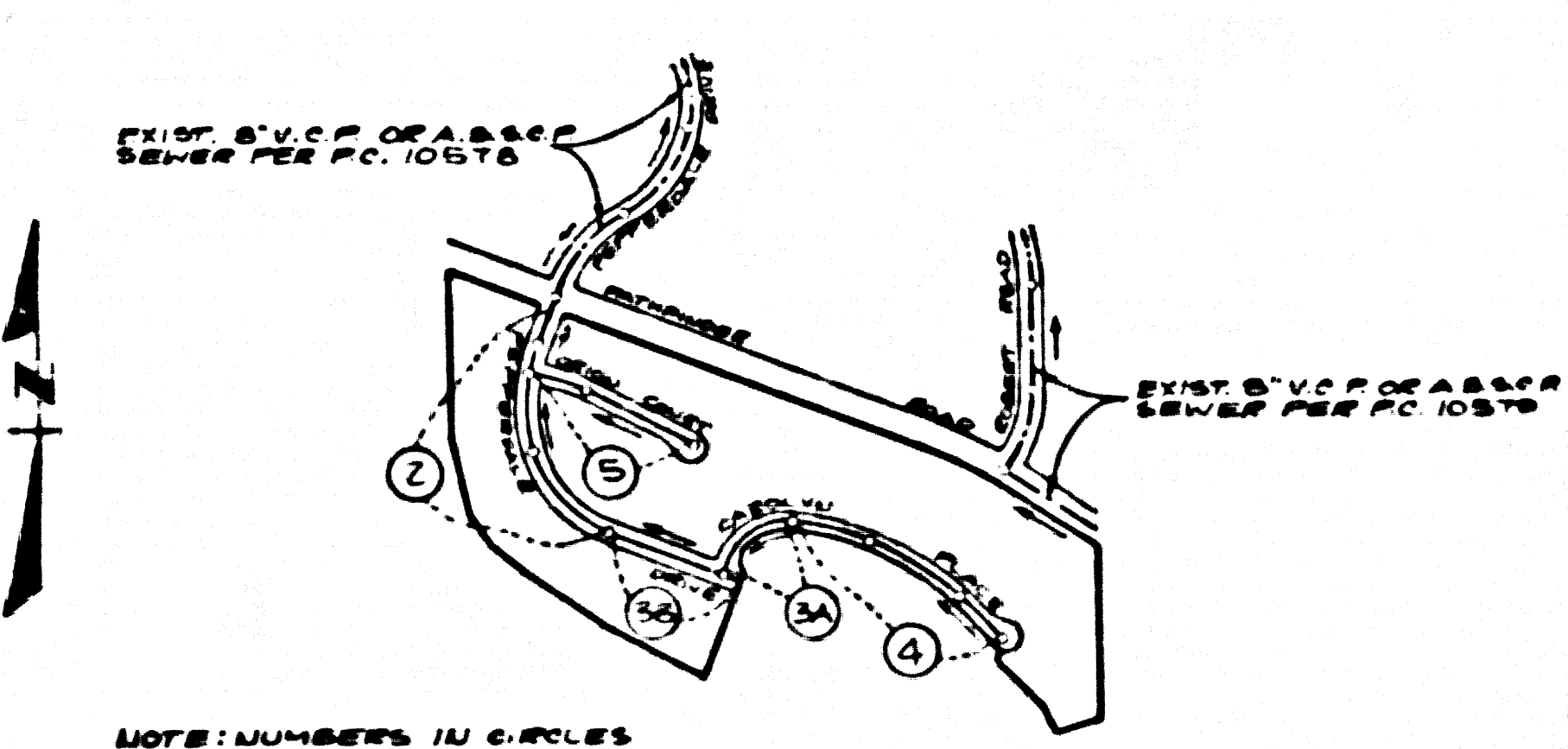


B.M. CG. 1929 ELEV. 652.185
 C.S. MON. IN WELL B' ON AT CENTERLINE INT. OF
 PATHFINDER ROAD & BREA CANYON CUT-OFF RD. 0.35
 MI. S.O. COLLINA RD. 171 FT. 5.0 ESQUILINE AVE. MKD.
 (PI NO. & RE 5869) USE NO EDGE
 CITERBEIN - QUAD. 19 80.



INDEX MAP
 TRACT NO. 43711
 P.C. 10749
 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 RECORDS OF THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UNDERGROUND SERVICE AGENCY AT 1-800-421-4139 TWO WORKING DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.

CONSTRUCTION NOTES CONT.
 16. ALL COMPLIANCE WITH PART 11 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 SMALL PIPE MUST BE USED FOR TIE AND HOUSE LATERAL CONNECTIONS TO A.B.S. COMPOSITE MAINLINE SEWER PIPE
 19. A.B.S. COMPOSITE PIPE SHALL BE BECCED IN COMPLIANCE WITH THE TABLE IN SECTION 9-3.1 OF PART 11 OF THE SPECIAL PROVISIONS
 20. THREE DEGREE DEFLECTION COUPLERS ARE REQUIRED FOR RADII 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 OR JOINTS OR BEVELING PIPE ENDS WHEN USING PLASTIC PIPE INCLUDING A.B.S. COMPOSITE PIPE
 23. ALL TIE AND/OR HOUSE LATERALS ARE TO BE LOCATED AT LEAST THE PILE BENT AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE
 24. A.B.S. SOLID SMALL PIPE IS NOT ACCEPTABLE FOR USE AS MAINLINE SEWER PIPE
 25. ONLY TIE BRANCHES ARE TO BE USED FOR CONNECTION TO A.B.S. COMPOSITE MAINLINE SEWER PIPE

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.

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTE 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 PAVEN TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (818) 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

ISSUE NO HOUSE CONNECTION PERMITS UNTIL OUTLET SEWER PER P.C. 10749 IS ACCEPTED FOR PUBLIC USE BY L.A. COUNTY

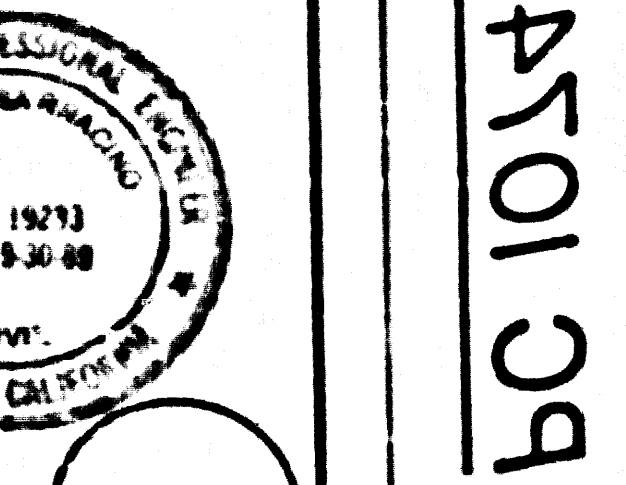
GENERAL NOTES:
 1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. MEAN LEVEL DATUM OF 1929
 2. ALL RECORDS SHALL BE MADE BY THESE PLANS BETWEEN THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS AND REPRESENTATIVE OF THE DEPT. OF PUBLIC WORKS WILL SURVEY OR LET OUT ANY PORTION OF THE PLAN
 3. CHANGES TO WHICH THIS RESPONSIBILITY IS TO BE CURED TO THE DEPT. OF PUBLIC WORKS WITH GRACE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "T" BRANCHES OR CENTER LINE OF ALLEYS ARE SHOWN BY CALLS ON PROFILES. AT ALL POINTS BE TYPED OR SHOWN POINTS THE GRADE SHALL BE ESTABLISHED TO 1:1 TO CONFORM TO A STRAIGHT LINE BETWEEN TWO ADJACENT POINTS
 4. THE PRIVATE ENGINEER SHALL FURNISH THE DEPT. OF PUBLIC WORKS WITH GRACE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "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 TO THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS OF CONCRETE SHALL NOT BE AN ANGLE OF LESS THAN 90 DEGREES WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER
 5. 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
 6. BEFORE SEWERS CAN BE LAYED THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIV. OF THE L.A. DEPT. OF PUBLIC WORKS PERMITS OFFICE NO. 6.8 PER A.F.E. TO THE JURISDICTION OF PUBLIC WORKS 2986 ALCAZAR ST., L.A. CA 90008. NO COST OF CONSTRUCTION INSPECTION AND RECORD PLANS
 7. 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
 8. 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
 9. REFER TO SECTION 7.4.1 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS
 10. PRIOR TO THE BEGINNING OF THE REQUIRED SEWER CONSTRUCTION PERMIT THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPT. OF PUBLIC WORKS CURVES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIV. OF THE DEPT. OF PUBLIC WORKS PERMITS OFFICE NO. 6 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 2986 ALCAZAR ST., LOS ANGELES, CALIFORNIA. SUCH WORKERS AS THE CERTIFICATE HOLDER IS TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY

CONSTRUCTION NOTES:
 1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THIS EDITION WITH ALL SUPPLEMENTS AND DEPT. OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED BY THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIV. PUBLIC WORKS DEPT. TEL. (213) 226-8881 AT LEAST 24 HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT
 2. HOUSE LATERALS TO BE CONSTRUCTED WITH SERVICE TO MAINLINE LINE 4 FEET BELOW CURB GRADE EXCEPT AS NOTED
 3. LIVE OR THE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED
 4. TIE BRANCHES ONLY MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS IF A.B.S.P. IS USED
 5. ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER 9-3 OR PRECAST CONCRETE MANHOLES PER 9-3.2 EXCEPT AS NOTED
 6. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE
 7. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE 66 INCHES ABOVE FINISHED GRADE
 8. WITHIN CLAY PIPE JOINTS SHALL BE TYPE "C" OR "D" PER STAND AND SPECIFICATIONS SECTION 200-2
 9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER 9-3.2. CASE 2 TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE
 10. 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 9-3.2. CASE 2 UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS
 11. ALL JOINTS BETWEEN CASE IRON PIPE AND APPROVED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT TYPE "C" OR "D" WITH BUSINESS IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 200-2
 12. ALL JOINTS BETWEEN CASE IRON PIPE & A.B.S.P. SHALL BE MADE WITH APPROVED FITTINGS
 13. REFER TO THE PERMITS FOR LEASAGE PER SECTION 200-1 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS
 14. REINFORCE ALL TRENCHES WITHIN RIGHTS OF WAY TO MEET L.A. COUNTY PUBLIC WORKS DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS
 15. FULL COMPLIANCE WITH SECTION 200-1.3.4 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPOSITION AND SAND EQUIVALENTS BY A QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE
 16. SPECIAL BACKFILL IN EASEMENT CONSTRUCTION: (A) BACKFILL TRENCH AND REPLACE OTHER BARRIERS TO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADE PLAN APPROVED FOR THIS DEVELOPMENT BY THE LAND DEVELOPMENT DIVISION. (B) ALL BACKFILL AND EARTH RETENTION SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STD. METHOD OF TEST D959 BY AN APPROVED ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIV. PUBLIC WORKS DEPT.

SANITARY SEWERS
 TO BE CONSTRUCTED

TRACT No 43711
 PRIVATE CONTRACT NO. 10749

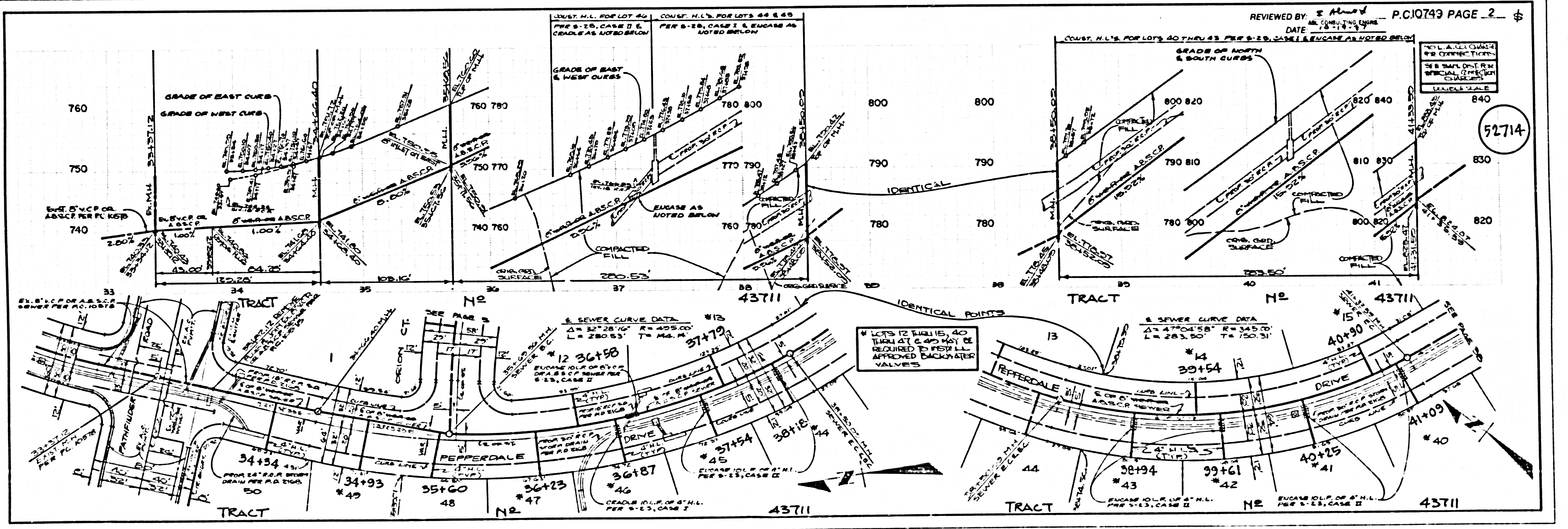
INDEX - U-138
 3 SHEETS - 5 PAGES
 SCALE: HORIZ. 1" = 80' VERT. 1" = 8'
 JULY 1987
 PREPARED IN THE OFFICES OF
 LIND & HILLERUD, INC.
 2085 HUNTINGTON DRIVE
 SAN MARINO, CA 91088
 BY: [Signature] REG. C.E. 19033



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

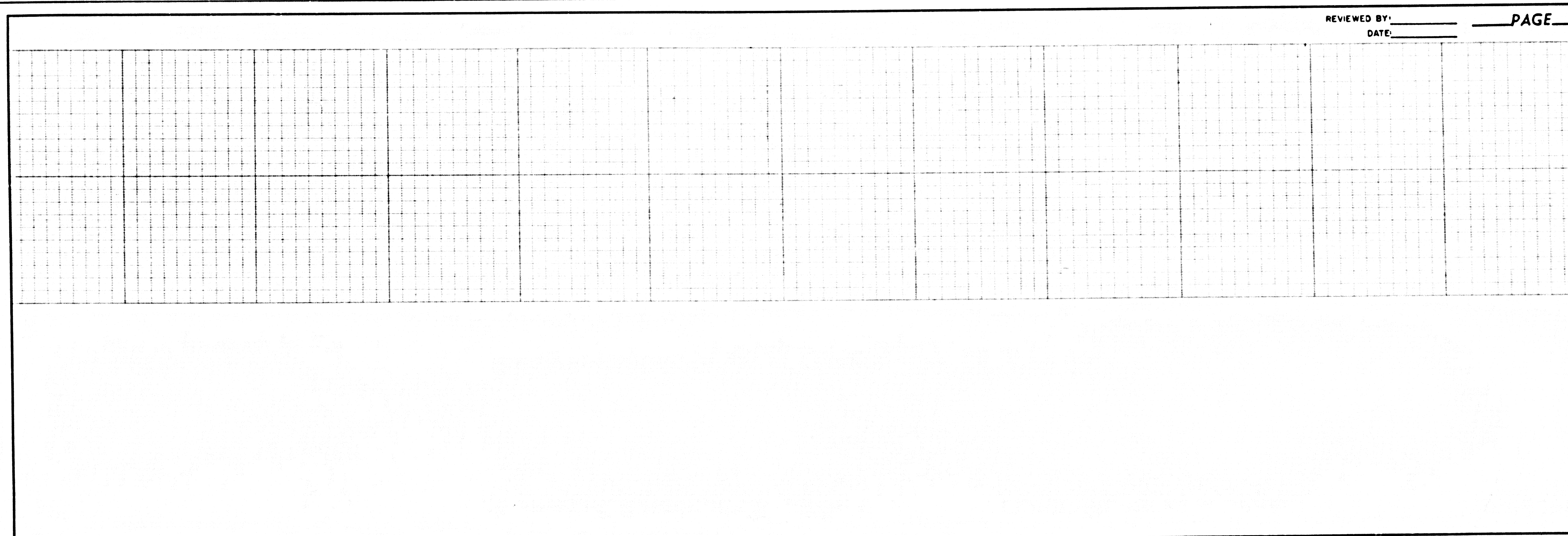
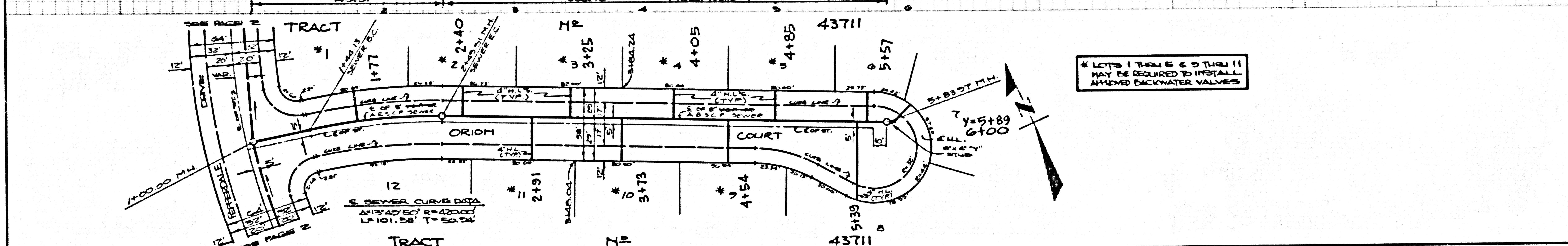
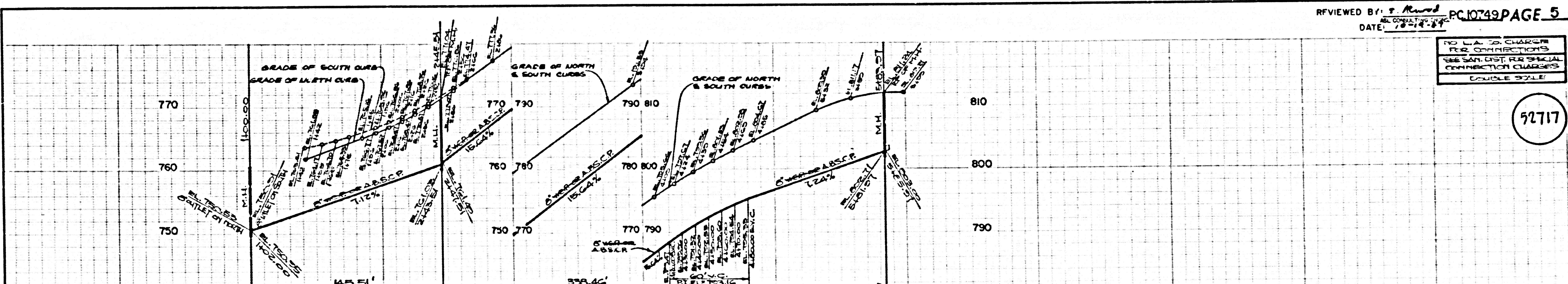
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COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON, DIRECTOR DEPARTMENT OF PUBLIC WORKS
 CHARLES W. CARRY, CHIEF ENGINEER COUNTY DISTRICT NO. 2
 APPROVED: [Signature] DATE: 11/10/87
 APPROVED: [Signature] DATE: 11/10/87
 REVIEWED: [Signature] DATE: 10-19-87
 ASL CONSULTING ENGINEER (DATE)
 REG. C.E. NO. 83912
 LA PUENTE - BLDG. DIST. 2



52714

ISSUED ON TRACT



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PC 1051 09

TRACT 1051 09