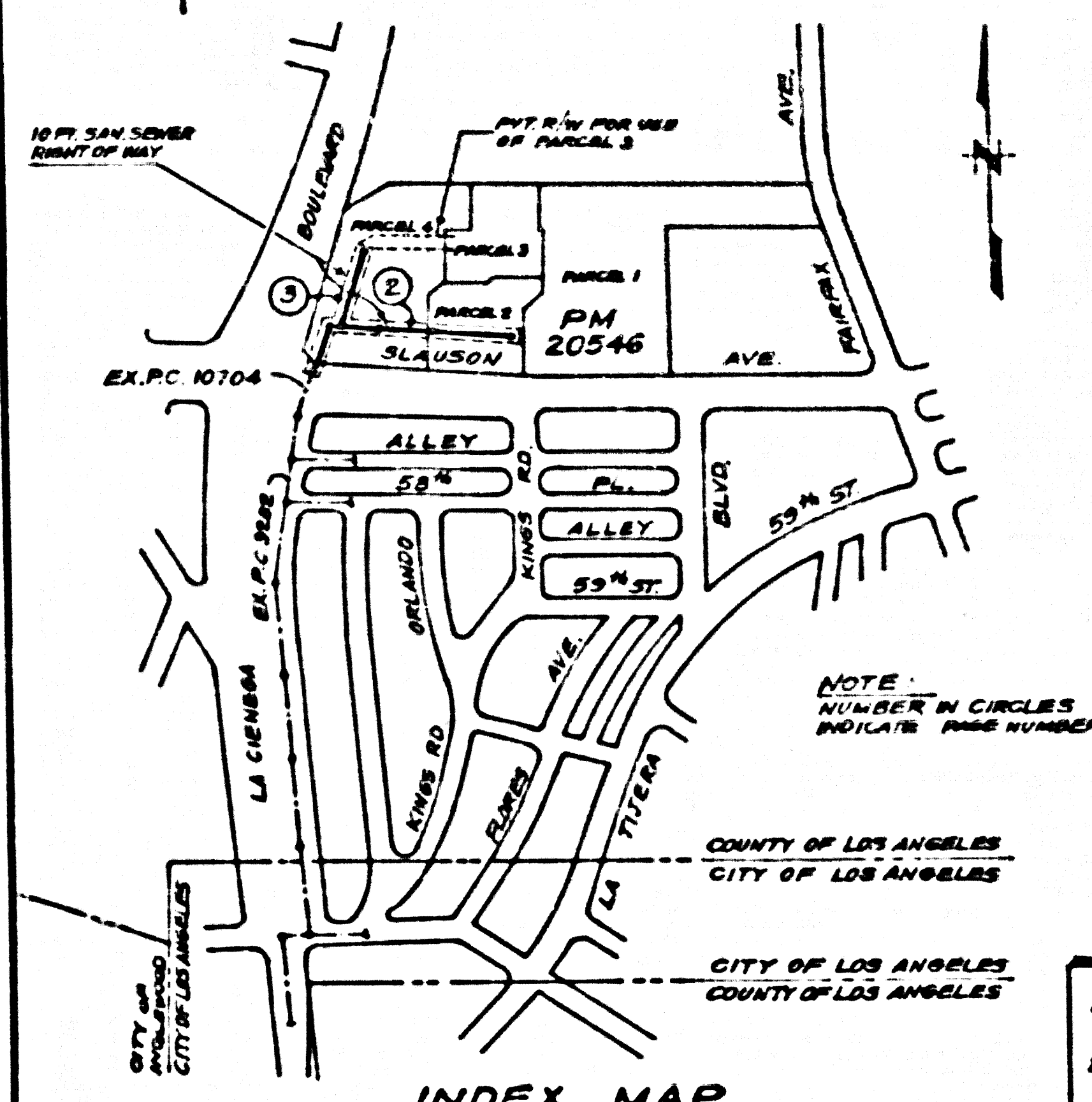


B.M. CY 5217 ELEV. 237.235  
 L.A. CITY MEX. BAR MON. IN WELL  
 12" DOWN AT E. INT. KINGS RD.  
 & SLAUSON AVE.  
 CULVER QUAD. 19.82



**INDEX MAP**  
 SCALE: 1"=600'  
 P.C. 11048  
 P.M. 20546  
 THOMAS: PAGE 50-E-4

**NOTE:**  
 ANY PORTION OF THE EXISTING  
 8" R.C.P. MAINLINE SEWER NOT  
 ACCEPTABLE PER COUNTY  
 STANDARDS AND NOT SHOWN AS PART  
 OF THE RECONSTRUCTION ON THESE  
 PLANS, SHALL BE REPLACED TO THE  
 SATISFACTION OF THE DEPT. OF P.W.

**NOTICE TO CONTRACTOR**  
 SEWER SERVICE MUST BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THE 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 (213) 628-1161 SO THAT REQUIRED INSPECTION CAN BE MADE.

**REVISION #2**  
 A. RELOCATE M.H. FROM STA. 2+28 TO STA. 2+50  
 B. REVISE SEWER ALIGNMENT, FROM STA. 1+00 TO STA. 1+34.23 (STRAIGHT LINE TO HORIZONTAL CURVE).  
 APPROVED BY *Sally G. Balli* 2-13-90 DATE

**REVISION #1**  
 A. OFFSET SEWER M.H.'S @ STATIONS 5+77, 5+82 AND 2+53 1'-0" NORTHERLY.  
 B. MOVE M.H. FROM STA. 5+82 TO STA. 5+77 & REVISE ELEV.  
 APPROVED BY *Sally G. Balli* 2-2-90 DATE

**GENERAL NOTES:**

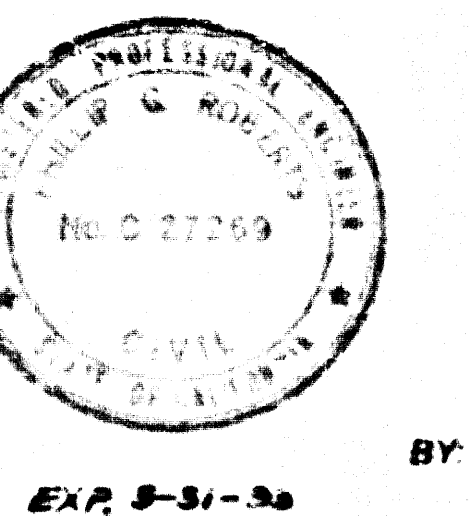
1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. MEAN SEA LEVEL DATUM OF 1929.
2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
3. NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
4. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTERLINE OF STREETS, CENTERLINE OF ALLEYS AND GRADES ON PROFILES SHALL NOT LAP WITHIN OF SAGITTAL POINTS. THE CENTERLINE SHALL BE THE CENTERLINE OF THE STREET OR ALLEY UNLESS OTHERWISE NOTED.
5. THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH SIGNED AND STAMPED PROFILES FOR ALL HOUSE LATERALS AND "D" OR "P" MANHOLES AND SHALL PROVIDE STAKES FOR THE SAME AT THEIR PROPOSED LOCATIONS WITH STATIONING AND ELEVATIONS. ALL HOUSE LATERALS SHALL BE CONSTRUCTED TO A MINIMUM OF 12" HORIZONTAL CLEARANCE FROM THE MAINLINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM "D" MANHOLES 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 AND ON THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE SHOWN PLANS.
7. BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE LOS ANGELES DEPARTMENT OF PUBLIC WORKS. PERMITS SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF WORK. THE PERMIT FEE IS \$100.00. THE PERMIT SHALL BE OBTAINED FROM THE COUNTY ENGINEER, COUNTY OF LOS ANGELES, 120 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA 90012.
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, LINE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY SUCH UTILITY.
9. REFER TO SECTION 7.12.4.1 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS.
10. PRIOR TO THE BEGINNING OF THE REQUIRED SEWER CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPARTMENT OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS. A PERMIT FOR EXCAVATION AND TRENCHES FROM THE STATE OF CALIFORNIA, A DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, 300 S. FRESNO AVE., ALHAMBRA, CALIFORNIA 91803 - 8TH FLOOR, MUST BE OBTAINED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE PERMIT FEE IS \$100.00.

**CONSTRUCTION NOTES:**

1. SEWER SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND DEPARTMENT OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED JULY 21, 1988 AND SHALL BE PROTECTED ONLY BY THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS.
2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE (213) 628-3128 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
3. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
4. PIPE OR THE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
5. ALL STRUCTURES SHALL BE EITHER BRICK SEWER MANHOLES PER 8" OR PRECAST CONCRETE SEWER MANHOLES PER 8" EXCEPT AS NOTED.
6. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTERLINE OF EACH MANHOLE.
7. MANHOLE TOPS ON UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
8. WITHIN CLAY PIPE JOINTS SHALL BE TYPE "D" OR "C" PER STANDARD SPECIFICATIONS SECTION 702.2.
9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER THE SEWER SHALL BE ENCASED PER 2.25 CASE "H" 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 MAINLINE OR HOUSE LATERAL, 4" P. SEWER WHICH IS NOT PROTECTED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 2.25 CASE "H" UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
11. ALL JOINTS IN BRICK CAST IRON PIPE AND WITHIN CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT TYPE "C" OR "D" WITHIN BUSINESS OF BELLS AND PER STANDARD SPECIFICATIONS SECTION 702.2.
12. BEFORE TESTS FOR LEAKAGE PER SECTION 306.1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
13. REQUIRE ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
14. FULL COMPLIANCE WITH SECTION 306.1.3 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. THE NATURAL OR BACKFILL COMPOSITION AND SAND EQUIVALENTS BY QUALIFIED REGISTERED CIVIL ENGINEER SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
15. SPECIAL BACKFILL IN EARTHMENT CONSTRUCTION IN BACKFILL TRENCH AND REPAIR OTHER EARTHWORK AS TO ACCORD WITH THE NATURAL OR BACKFILL SANDS AND SLIPS SHOWN ON THE DRAWINGS AND APPROVED BY THE LAND DEVELOPMENT DIVISION OF THE DEPARTMENT OF PUBLIC WORKS. ALL BACKFILL AND EARTH REPAIRED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. METHOD OF TESTS D1557 AS ACCEPTED. ACCEPTABLE CERTIFICATION OF SUCH CONSTRUCTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, PUBLIC WORKS DEPARTMENT.

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

P.M. 20546  
**PRIVATE CONTRACT NO. 11048**  
 W.S. C-72  
 2 SHEETS, 3 PAGES

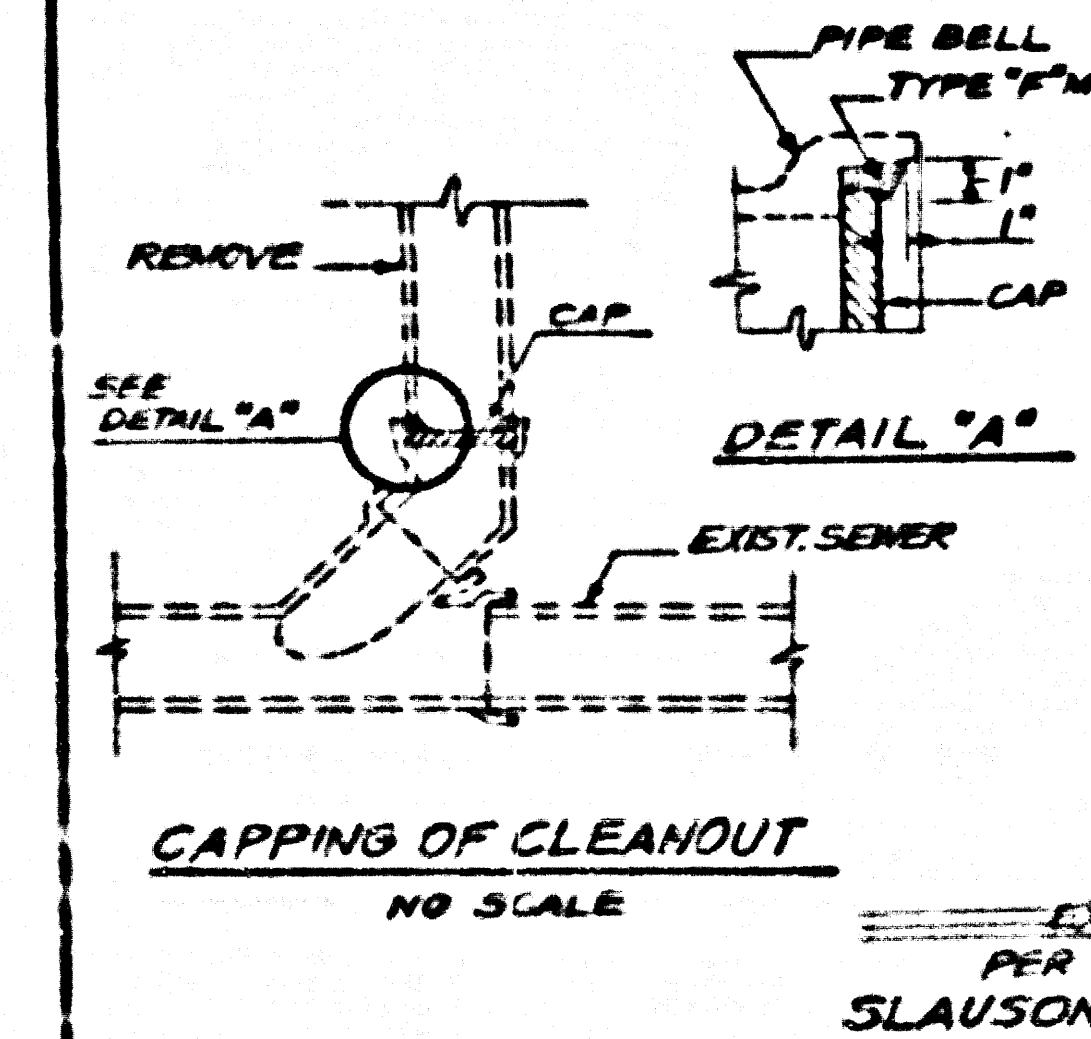
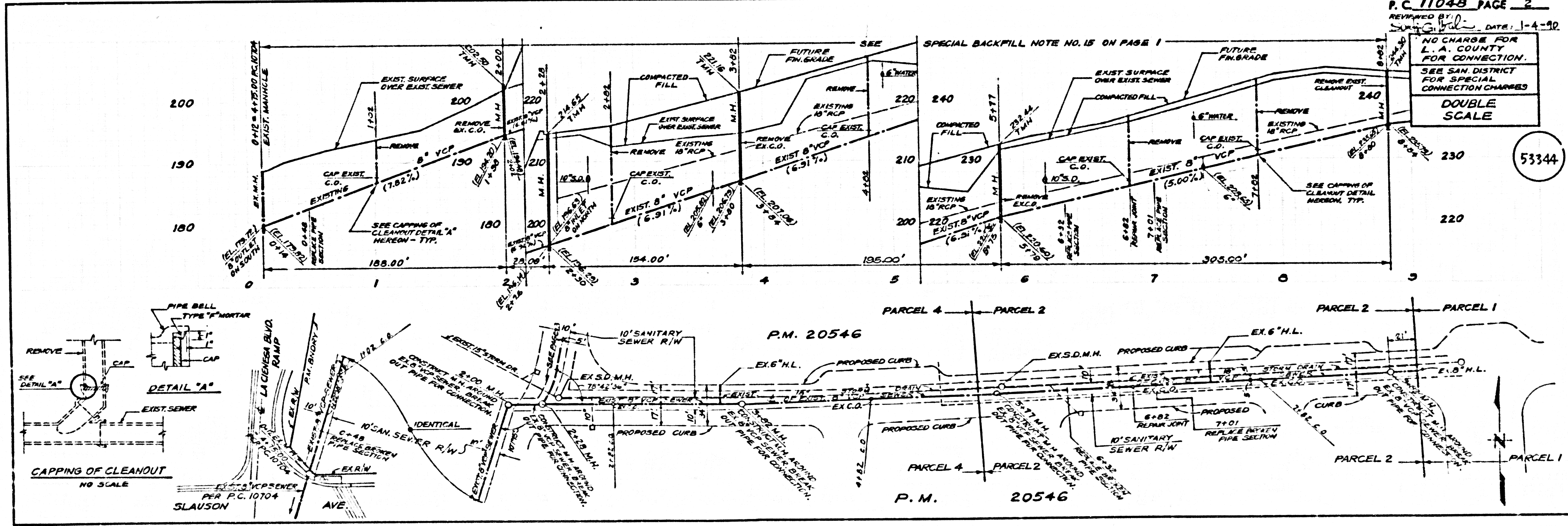


SCALE: 1"=10' HORIZ. 1"=4' VERT.  
 NOV. 6, 1989  
 PREPARED IN THE OFFICES OF  
 MILLER-ROBERTS ENGINEERING, INC.  
 810 SLAUSON AVE., SUITE 208  
 CULVER CITY, CALIF. 90230, TEL. (714) 461-8833  
 BY: *Charles W. Carry*  
 REG. C.E. NO. 27269

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

1.88 (M)	MANHOLE PUBLIC SAFETY REQUIREMENTS	8.1
1.88 (M)	BRICK MANHOLE	8.2
1.88 (M)	STANDARD MANHOLE STEP	8.3
1.88 (M)	RECORDING FOR SEWER PIPE	8.4
1.88 (M)	CRACKING AND ENCASEMENT	8.5
1.88 (M)	PIPE LINE SUPPORT	8.6
1.88 (M)	ALUMINUM TREE PROTECTORS	8.7
1.88 (M)	LOCKING MANHOLE FRAME AND COVER	8.8
1.88 (M)	WORKING ENCASEMENT PRECAST CONCRETE MANHOLE	8.9

COUNTY OF LOS ANGELES, CALIFORNIA  
 THOMAS A. TIDEMAN, DIRECTOR OF PUBLIC WORKS  
 CHARLES W. CARRY, CHIEF ENGINEER  
 APPROVED: *Dean E. Balli* 1/8/90  
 APPROVED: *Charles W. Carry* 1/4/90  
 CHECKED: *James Balli* 1/5/90  
 REG. C.E. NO. 18116  
 LENNOX BLDG. DIST. 7



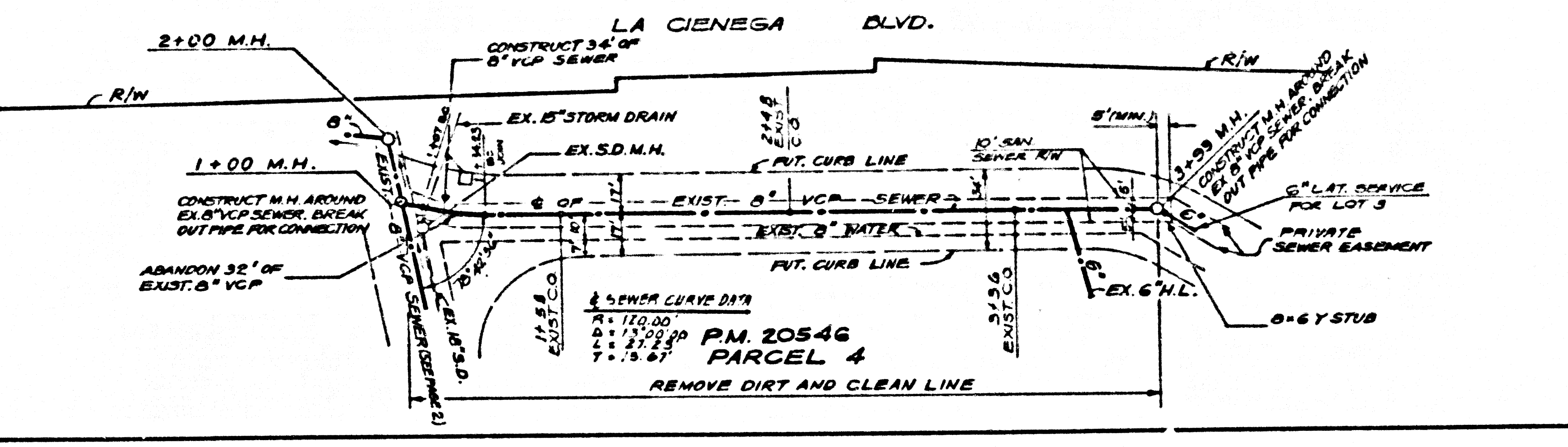
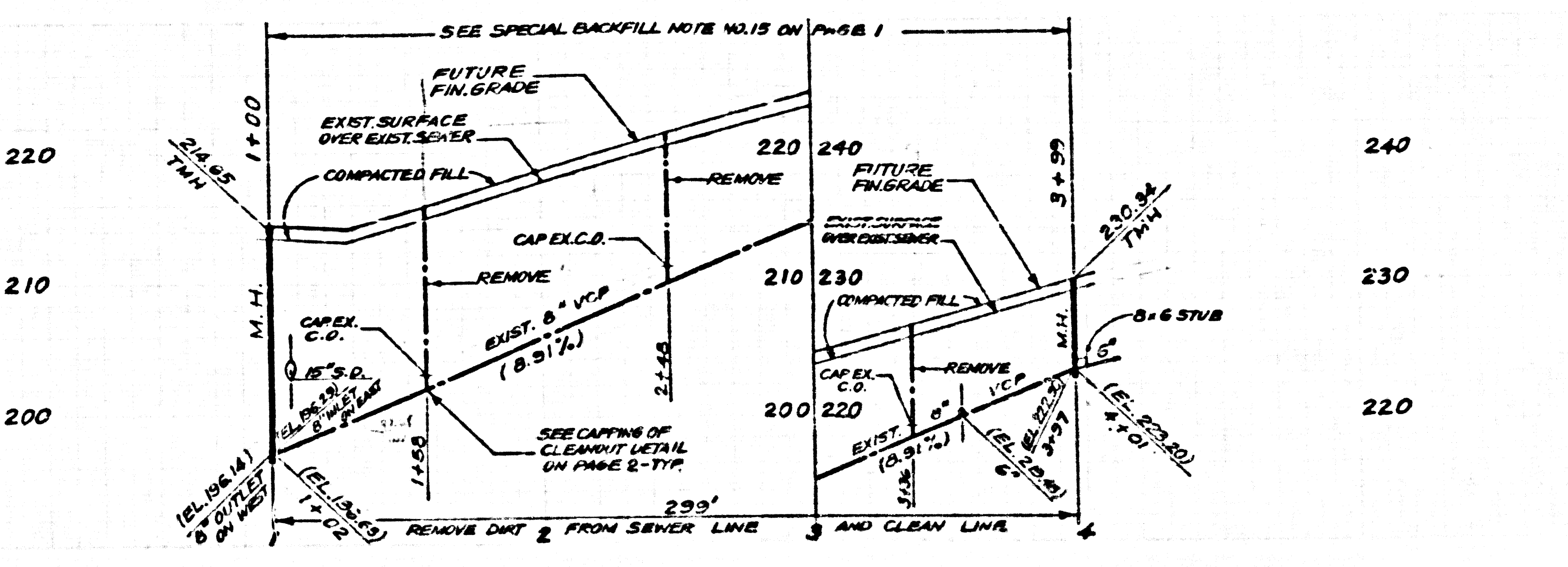
P.C. 11048 PAGE 2  
 REVISED BY: *Sally G. Balli* DATE: 1-4-90  
 NO CHARGE FOR L.A. COUNTY FOR CONNECTION. SEE SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES.  
**DOUBLE SCALE**

53344



NO CHANGE FOR  
L.A. COUNTY  
FOR CONNECTION.  
SEE SAN DISTRICT  
FOR SPECIAL  
CONNECTION CHARGES  
**DOUBLE  
SCALE**

53344



SEWER CURVE DATA  
 R = 110.00  
 Δ = 27.28°  
 L = 19.87'  
 P.M. 20546  
 PARCEL 4  
 REMOVE DIRT AND CLEAN LINE