

CASH CONTRACT NO. 9451

SANITARY SEWERS TO BE CONSTRUCTED IN VERMONT AVENUE ET AL

AND OTHER RIGHTS OF WAY
U.S. DEPARTMENT OF H.U.D.
H.C.D.A. PROJECT NO. 77.242
2 SHEETS, 4 PAGES

47/52

SCALE VERT. 1" = 4'
HORIZ. 1" = 40'

AUGUST, 1978

COUNTY OF LOS ANGELES, CALIFORNIA
STEPHEN J. KOONCE COUNTY ENGINEER

APPROVED *John D. Parkhurst* 9-11-78
HEAD DESIGN ADMINISTRATION (DATE)
DESIGNED *W. B. Sauer* 8-21-78
S.E.C. NO. 10443 (DATE)

APPROVED *John D. Parkhurst* 9/8/78
CHIEF ENGINEER OF COUNTY SANITATION DISTRICT NO. 5
OFFICE ENGINEER

NOTES:
1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1976 EDITION WITH 1977 SUPPLEMENTS AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED 5/8/77.
2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION SECTION BY TELEPHONE 813-374-7883 AT LEAST 24 HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
3. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURB, CENTER LINE OF STREET OR CENTER LINE OF ALLEY ARE SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
4. THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS.

LAYOUT	T. HONDA	7-10-78	CHECKED	W. B. SAUER	8-1-78
TRACED	T. HONDA	7-10-78	MAINTENANCE	G. M. CADWELL	8-11-78
F.B.				A. B.	W. S. 36

LENNOX BUILDING DISTRICT NO. 7

NOTICE TO CONTRACTOR

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 NOTED ON THESE PLANS. 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 THESE PLANS.

PRIOR TO TRENCH EXCAVATION, THE CONTRACTOR SHALL SUBMIT TO AND OBTAIN APPROVAL FROM THE COUNTY ENGINEER OF A DETAILED PLAN SHOWING THE DESIGN OF SHORING, BRACING, SLOPING OR OTHER PROVISIONS FOR WORKER PROTECTION FROM THE HAZARD OF CAVING GROUND. IF SUCH A PLAN VARIES FROM THE SHORING SYSTEM STANDARDS ESTABLISHED BY THE CONSTRUCTION SAFETY ORDERS, IT SHALL BE PREPARED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES FOR UTILITY MARKING PRIOR TO ANY CONSTRUCTION ON THIS PROJECT.

THE CONTRACTOR SHALL MAINTAIN SEWER SERVICE AT ALL TIMES DURING ANY WORK UNDER THIS PROJECT.

THE CONTRACTOR SHALL NOTIFY THE SOU. CALIF. GAS CO. BY TELEPHONE (213) 603-1347, AT LEAST 48 HOURS BEFORE STARTING ANY WORK UNDER THIS PROJECT.

GENERAL NOTES:

REFER TO SECTION 710-41 OF STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS.

"T" OR "F" BRANCHES MAY BE USED FOR CONNECTIONS TO MAIN LINE SEWER, EXCEPT AS NOTED.

VERIFIED CLAY PIPE JOINTS SHALL BE TYPE "D", "F", OR "G" PER SECTION 200.2 OF STANDARD SPECIFICATIONS.

ALL JOINTS BETWEEN 48" DIA. PIPE AND WELDED-CLAY PIPE SHALL BE MADE WITH 2" BARS 6" LONG JOINT-TO-JOINT.

SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 200.217 OF STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER § 23 CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.

CONSTRUCT HOUSE LATERALS WITH INVERT AT PROPERTY LINE 6 FEET BELOW CURB GRADE, OR GRADE OF CENTER LINE OF STREET, EXCEPT AS NOTED.

INDICATES DEPTH BELOW CURB GRADE, OR GRADE OF CENTER LINE OF STREET.

INDICATES DEPTH BELOW GRADE OF CURB OR HOUSE LATERAL SHALL BE CONSIDERED WITH 1/2" DIA. PIPES TO PROPERTY LINE.

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ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CHIMNEYS SHALL NOT HAVE AN ANGLE OF LESS THAN 45 DEGREES WITH THE MAIN LINE SEWER.

ALL CONCRETE CROSS CUTTERS, CURBS, GUTTERS, PAYMENTS, AND DRIVEWAYS SHALL BE TUNNELED OR JACKED PER LOS ANGELES COUNTY ROAD DEPARTMENT REQUIREMENTS.

STREET RESURFACING:

STREET RESURFACING METHODS SHALL BE IN ACCORDANCE WITH SECTION 206.122 OF THE SPECIAL PROVISIONS.

FINAL STREET RESURFACING IN ANY LOCATION SHALL BE COMPLETED WITHIN 30 DAYS AFTER COMPLETION OF TRENCH BACKFILL.

THE RESURFACING AREA SHALL BE GRADED WITH 25% MINIMUM AND 1/4" INCH CRUSHED ROCK.

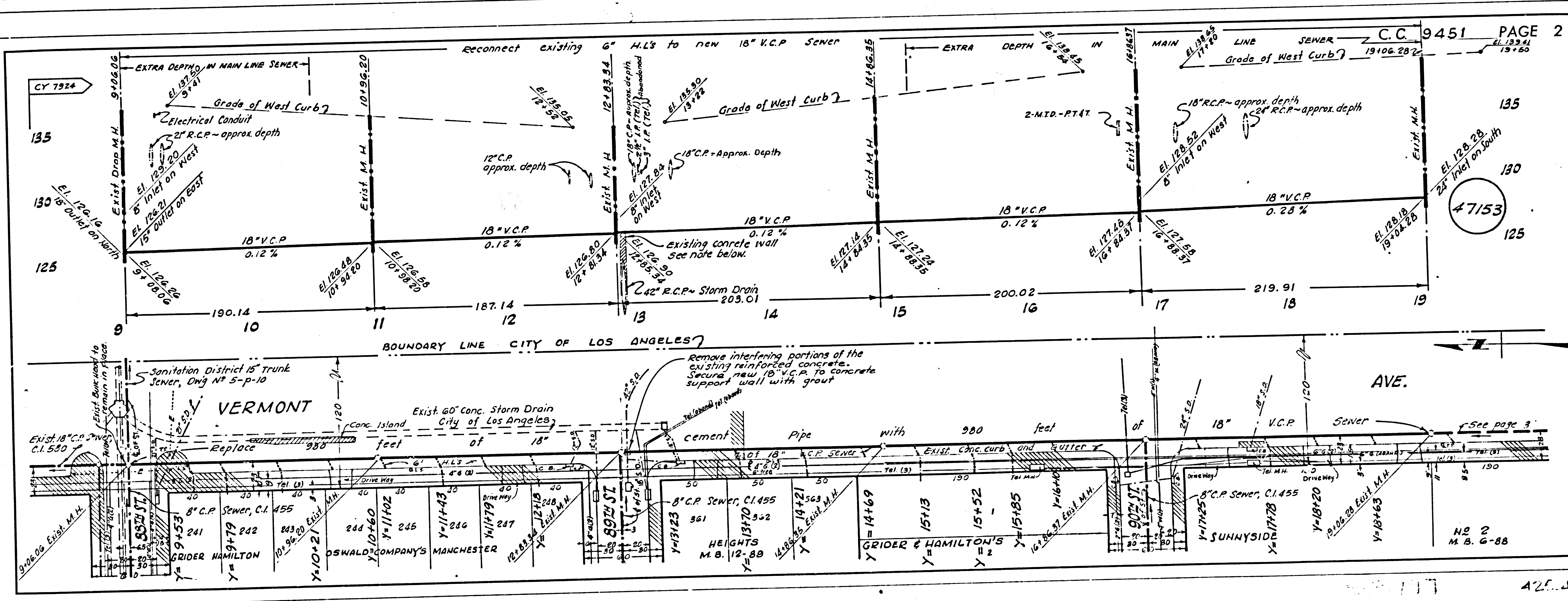
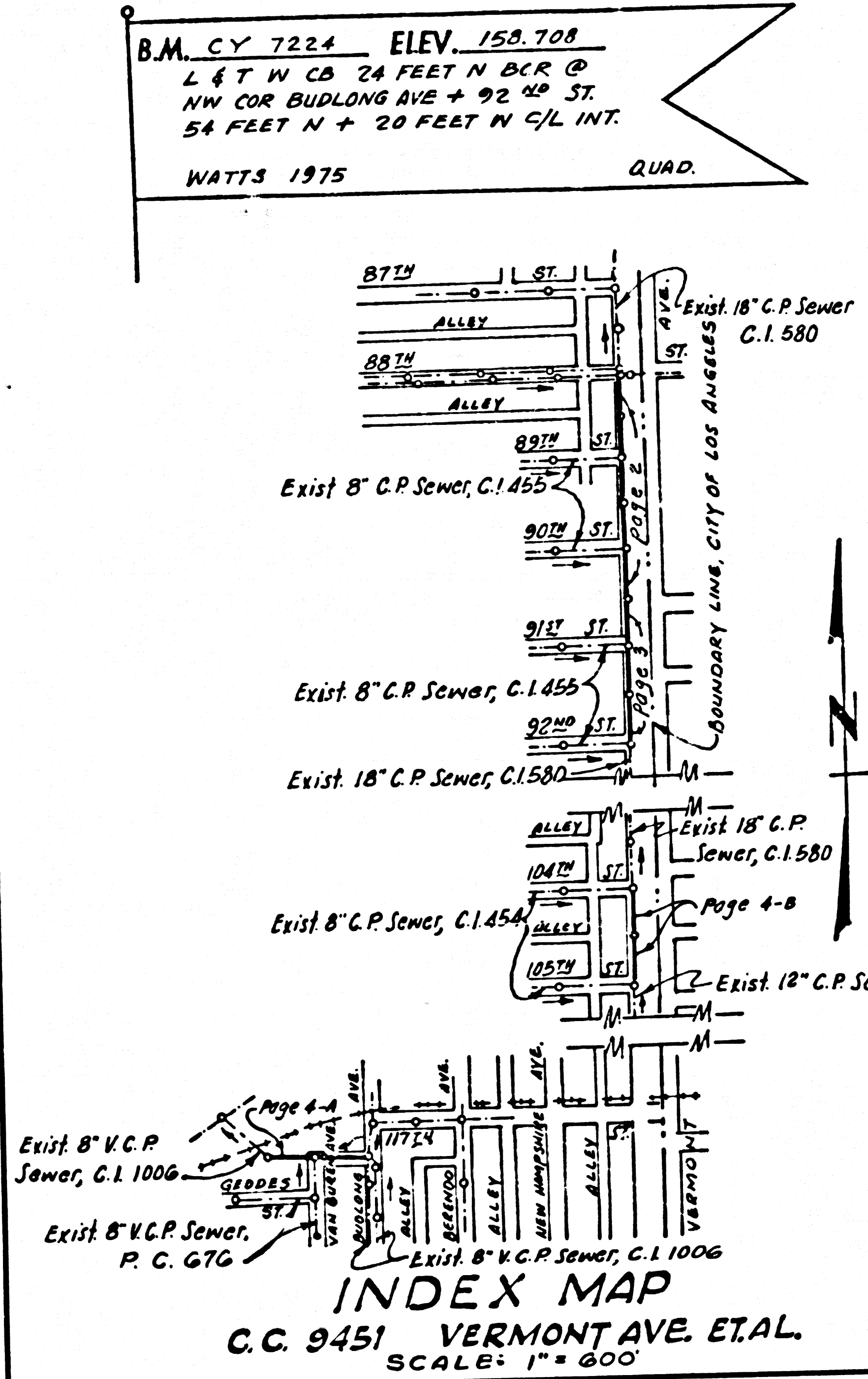
RESURFACING SCHEDULE TRENCH WITHIN PAVED AREA WITH TYPE 3 ASPHALTIC CONCRETE 3 INCHES IN THICKNESS ON 6 INCHES OF ADEQUATE BASE MATERIALS, EXCEPT AS NOTED BELOW.

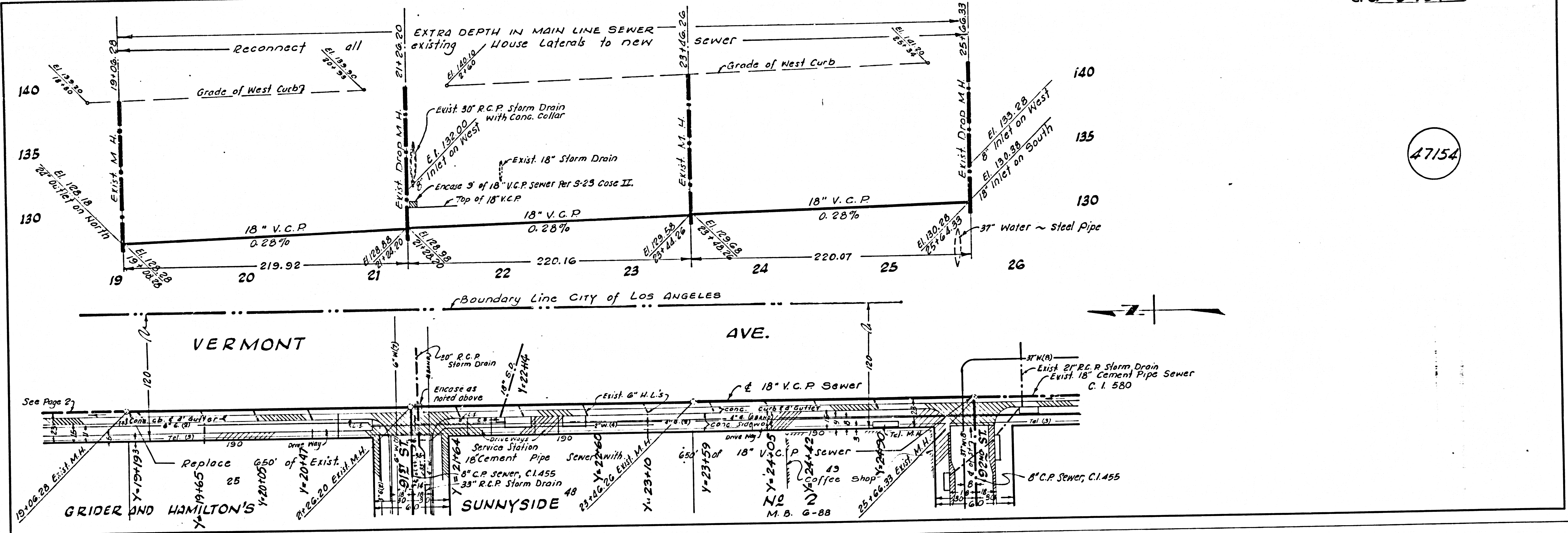
PAGE NO.	STREET	STATION LIMITS		TYPE OF RESURFACING
		FROM	TO	
2	VERMONT AVE.	81+00.00	167+86.37	9" PCC on native soil
2	VERMONT AVE.	89+74.37	91+57.00	2" AC on 9" PCC PWT
2	VERMONT AVE.	91+57.00	92+80.37	2" AC on 9" PCC PWT
4-8	VERMONT AVE.	104+74.37	105+74.37	2" AC on 9" PCC PWT

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF COUNTY ENGINEER SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT.

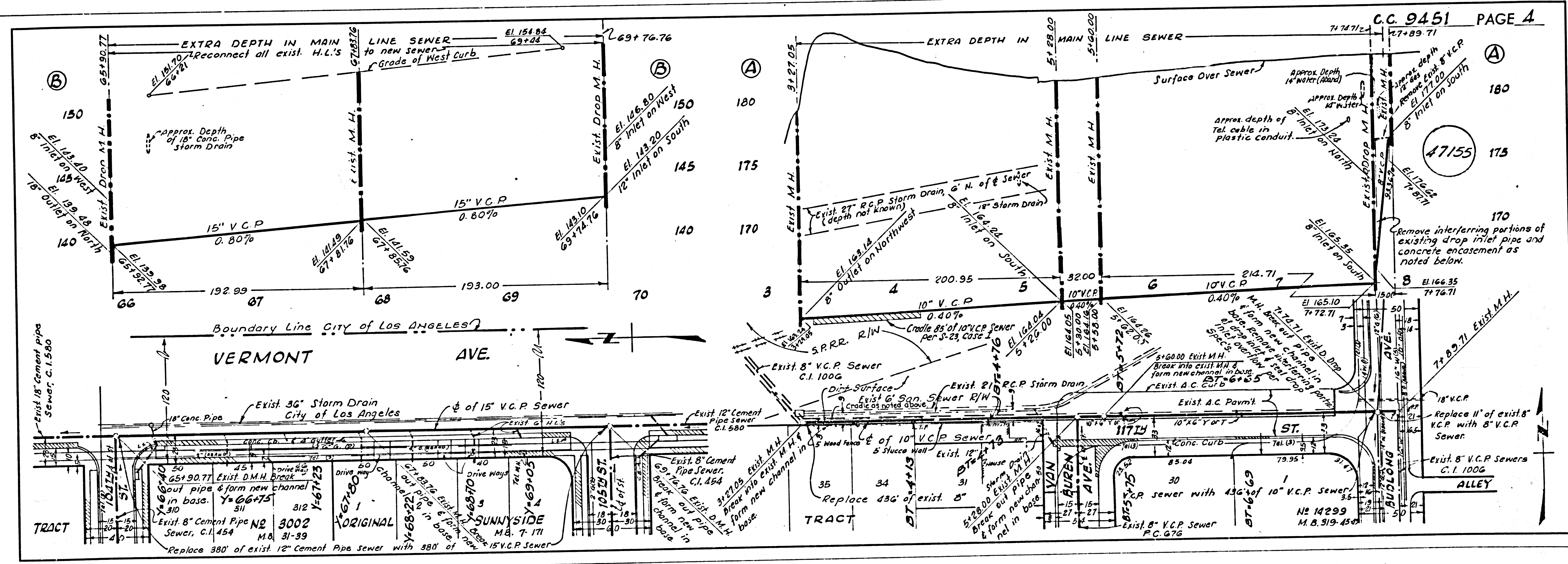
LEGEND S-1
MINIMUM PUBLIC SAFETY REQUIREMENT S-2
SEWER MANHOLES S-3
BEDDING FOR SEWER PIPE S-31
SPECIAL SUPPORT AND PROTECTION SIDEWALK & DRIVEWAY REPLACEMENT S-32
THE CONTRACTOR SHALL OBTAIN THE FOLLOWING PERMITS PRIOR TO CONSTRUCTION:
1. LOS ANGELES COUNTY, SEWER CONSTRUCTION PERMIT (SEE EXHIBIT).
2. LOS ANGELES COUNTY ROAD DEPARTMENT SEE EXHIBIT.
3. PERMIT TO EXECUTION OF THIS CONTRACT AGREEMENT BY THE COUNTY; THE CONTRACTOR SHALL OBTAIN AT HIS EXPENSE A PERMIT TO EXCAVATE FROM THE STATE OF CALIF., DIVISION OF INDUSTRIAL SAFETY.

THE UNDERGROUND UTILITY COMPANIES WITHIN THE LIMITS OF THIS PROJECT ARE AS FOLLOWS:
(1) SOU. CALIF. WATER CO. (6) CHEVOT HILLS PIPE LINE CO.
(2) SOU. CALIF. GAS CO. (7) CITY OF L.A., DEPT. OF WATER & POWER
(3) PAC. TEL. AND TEL. CO. (8) METROPOLITAN WATER DIST. OF SOU. CALIF.
(4) ATLANTIC RICHFIELD CO. (9) COUNTY ROAD DEPT., TRAFFIC OPER. SECTION
(5) DEPT. OF COUNTY ENGINEER-FACILITIES, WATER WORKS DIVISION





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CASH CONTRACT NO 9421