

REVISION No. 1 DATE 9/18/98

1. PAGE # 1. REV. SET R/W FROM 60' TO 64' 4" ELEV. WIDTH FROM 35' TO 40' @ W/REMAIN 5' TO 11'

2. PAGE # 2. REV. SET R/W FROM 60' TO 64' 4" ELEV. WIDTH FROM 35' TO 40' @ W/REMAIN 5' TO 11'

3. PAGE # 3. REV. SET R/W FROM 60' TO 64' 4" ELEV. WIDTH FROM 35' TO 40' @ W/REMAIN 5' TO 11'

APPROVED BY: [Signature]
DEPT. OF PUBLIC WORKS 51174

PRIVATE ENGINEERS NOTICE TO CONTRACTORS:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS OBTAINED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO 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 1-800-452-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CUMMINGS AT GENERAL TELEPHONE COMPANY AT 1-800-548-8771 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

REGISTERED CIVIL ENGINEER NO. 19220 EXP. 9-30-2001 DATE 12-3-97

NOTES

BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES

- Graded sediments and other pollutants must be retained on site and not be transported from the site via sheetflow, rills, rill grooves, natural drainage courses or wind.
- Excavation 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 be contaminated 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.
- Excess soil concrete may not be washed into the public way or any other drainage system. Provisions shall be made to contain concrete washes on site until they can be removed to an approved facility.
- Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and disposal by wind.
- Bedrocks and other materials may not be excavated 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) operations must be checked immediately and may not be washed down by rain or other means.
- Any slopes with disturbed soils or eroded vegetation must be stabilized so as to inhibit erosion by wind and water.

The following items are outlined in, but not limited to, the Best Management Practices Manual, Section 10.1.1, of the latest revised edition, may apply during construction operations and shall be followed as required:

- CA201 - DEMOLITION OPERATIONS
- CA202 - PAVING OPERATIONS
- CA203 - STRUCTURE CONSTRUCTION AND PAINTING
- CA204 - MATERIAL DELIVERY AND STORAGE
- CA205 - SOIL WASTE MANAGEMENT
- CA206 - CONCRETE WASTE MANAGEMENT
- CA207 - SANITARY/SEPTIC WASTE MANAGEMENT
- CA208 - VEHICLE AND EQUIPMENT MAINTENANCE
- CA209 - VEHICLE AND EQUIPMENT FUELING
- CA210 - WHEELWASH
- CA211 - WASHWATER COLLECTION
- CA212 - WASHWATER STORAGE
- CA213 - WASHWATER TREATMENT
- CA214 - WASHWATER DISPOSAL
- CA215 - WASHWATER STORAGE
- CA216 - WASHWATER TREATMENT
- CA217 - WASHWATER DISPOSAL
- CA218 - WASHWATER STORAGE
- CA219 - WASHWATER TREATMENT
- CA220 - WASHWATER DISPOSAL

GENERAL NOTES:

1. A SEWER CONNECTION PERMIT SHALL BE OBTAINED AND A FEE PAID FOR CONSTRUCTION INSPECTION AND RECORD PLANS TO THE DIVISION OF PUBLIC WORKS. THE PERMIT NUMBER AND SEWER PERMIT FEE, \$25 PER LINE, IS NUMBER 111201 AT LEAST 10 DAYS PRIOR TO STARTING WORK. UNDER THIS CONTRACT COPIES OF ALL OTHER REQUIRED PERMITS, SUCH AS ROAD EXCAVATION, CALTRANS, ETC. MUST BE FILED WITH THE PERMIT APPLICATION.
2. PRIOR TO ISSUANCE OF ANY PERMIT, THE CONTRACTOR SHALL FILE A PERMIT FOR EXCAVATIONS AND IMPROVEMENTS WITH THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS' COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS AS THE CERTIFICATE HOLDER TO BE ADMITTED TO THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY.
3. EXCAVATION IS TO BE DONE IN A STATE AGENCY PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY.
4. WORK SHALL BE WITHIN A CONTRACT CITY. THE CONTRACTOR MUST CONTACT THE DIRECTOR OF PUBLIC WORKS OF THAT CITY TO DETERMINE THE LOCATION TO PUT THE INSPECTION PEE.
5. THE CONTRACTOR SHALL CONTACT THE UTILITY OFFICE LISTED ON THE UTILIZATION OF CONSTRUCTION PERMIT TO APPROVE FOR AN ACCEPTABLE CONSTRUCTION START DATE AND SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE (FORWARD) FOR AT LEAST THIRTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
6. FINISH OF THIS PROJECT IS THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE LOCATION OF ALL UTILITIES AND THE LOCATION OF ALL UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE LOCATION OF ALL UTILITIES AND THE LOCATION OF ALL UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1998 EDITION", INCLUDING SUPPLEMENTS AND THE SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS, DATED JULY 31, 1998, AND SHALL BE PRECEDED ONLY BY THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS PERSONNEL.
8. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 500-1.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (AS REQUIRED TO MEET) AND SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS" AS SHOWN ON LOG ANNEXES DEPARTMENT OF PUBLIC WORKS' STANDARD S-3.
9. ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED.
10. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
11. NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS SHALL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
12. POINTS TO WHICH THIS IMPROVEMENT IS TO BE CONFORMED TO ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURB, 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 DISJOINTED POINTS.
13. THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH HOUSE LATERALS AND BRANCHINGS FOR ALL HOUSE LATERALS AND "TIE IN" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY INDICATED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAINLINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM DRIVEWAYS SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAINLINE SEWER AND SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AS DETAILED BY THE PRIVATE ENGINEER.
14. THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL, SEPTIC AT THE PROPERTY LINE BELOW THE TOP CURB ELEVATION FOR EACH HOUSE LATERAL ON THE SHEET.

CONSTRUCTION NOTES:

1. PRIVATE SURVEY STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTERLINE OF EACH MANHOLE.
2. VERIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "E" PER STANDARD SPECIFICATIONS SECTION 500-1.1.
3. IF A POINT PIPE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE EXCAVATED PER STANDARD PLAN S-25. TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
4. ALL JOINTS BETWEEN CLAY PIPE AND VERIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER BULB JOINT, TYPE "D" WITHIN STANDARD PLAN S-25. OR REINFORCED PRECAST CONCRETE MANHOLE PER STANDARD PLAN S-25. EXCEPT AS NOTED.
5. HOUSE LATERALS TO BE CONSTRUCTED WITH MANHOLES AT PROPERTY LINE 8' BELOW CURB GRADE EXCEPT AS NOTED.
6. USE OF THE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
7. IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAINLINE SEWER LATERAL, THE MAINLINE SEWER IS NOT TO BE EXCAVATED. THE PIPE SHALL BE PROTECTED PER STANDARD PLAN S-25 CASE 11, UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
8. ALL HOUSE LATERALS SHALL BE CONSTRUCTED WITH MANHOLES AT PROPERTY LINE 8' BELOW CURB GRADE EXCEPT AS NOTED.
9. REPAIRS ALL REPAIRS WITHIN HOUSE AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH THE PERMITS.
10. FULL COMPLIANCE WITH SECTION 500-1.1.1 OF THE STANDARD SPECIFICATIONS SHALL BE REQUIRED FOR BACKFILL IN THE STREETS. CONSTRUCTION OF BACKFILL COMPLETION AND SUBSEQUENTLY BY A QUALIFIED CIVIL ENGINEER SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF FINAL ACCEPTANCE.
11. ALL HOUSE LATERALS SHALL BE CONSTRUCTED WITH MANHOLES AT PROPERTY LINE 8' BELOW CURB GRADE EXCEPT AS NOTED.
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PROFILE, ALIGNMENT AND GRADE OF PAGE 1

SANITARY SEWERS
 TO BE CONSTRUCTED IN 54776
TRACT NO. 45935

PRIVATE CONTRACT NO. 11386
 INDEX 1513
 2 SHEETS; 4 PAGES

VERT. 1" = 8'
 HORIZ. 1" = 40' DECEMBER, 1998

PREPARED IN THE OFFICES OF
SIKAND ENGINEERING
 12320 BURBANK BLVD., VAN NUYS, CA 91411-3586

BY: [Signature] REG. C.E. No. 19220 TEL. (818)787-8550

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

LEAKAGE	S-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	S-2
BRICK MANHOLE	S-3
STANDARD MANHOLE STOP	S-17
RECORDING FOR SEWER PIPE	S-24
CURB AND ENCASUREMENT	S-25
USE OF THE BRANCH	S-26
ALLOWABLE TRENCH WIDTH	S-28
LOCKING MANHOLE FRAME AND COVER	S-29
NON-REINFORCED PRECAST CONCRETE MANHOLE	S-30
CONCRETE PIPE AND MANHOLE	S-37
SPECIAL HOUSE LATERALS	S-38
CONCRETE TRUNK BLOCKS	S-41

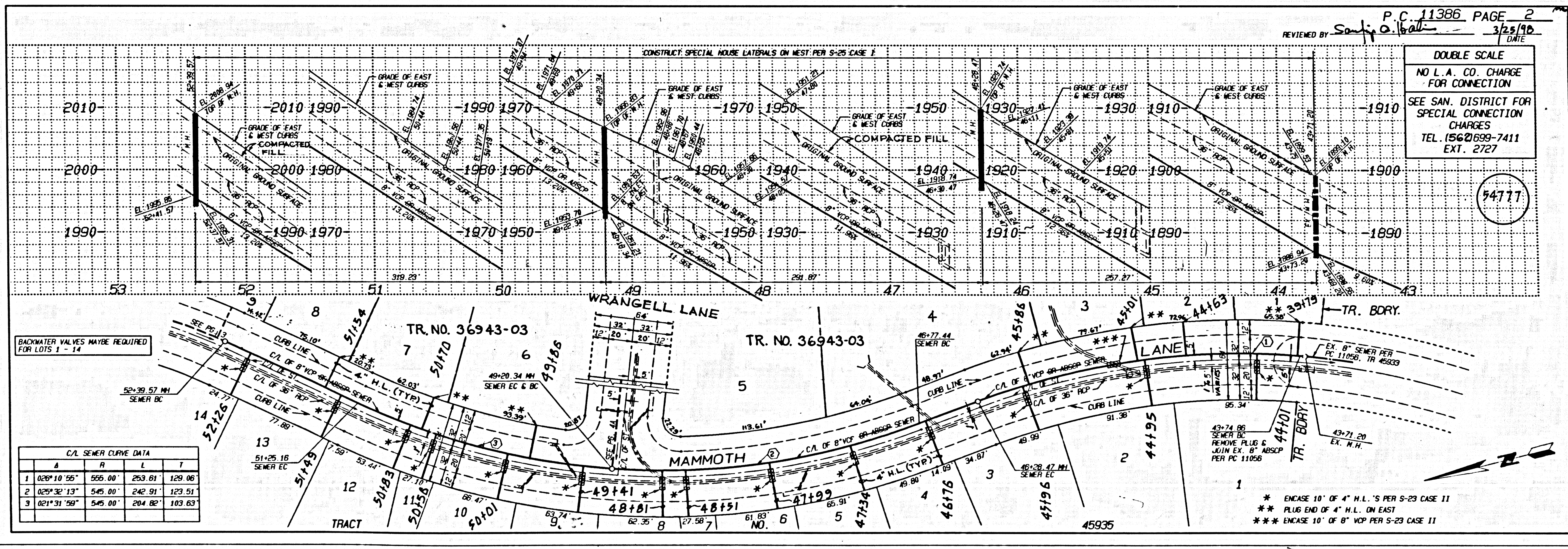
COUNTY OF LOS ANGELES, CALIFORNIA
 CHARLES W. CAPPY
 DIRECTOR OF PUBLIC WORKS
 CHIEF ENGINEER

APPROVED [Signature] 3-25-98 DATE 3/25/98
 CHECKED [Signature] 3-25-98 DATE 3-25-98

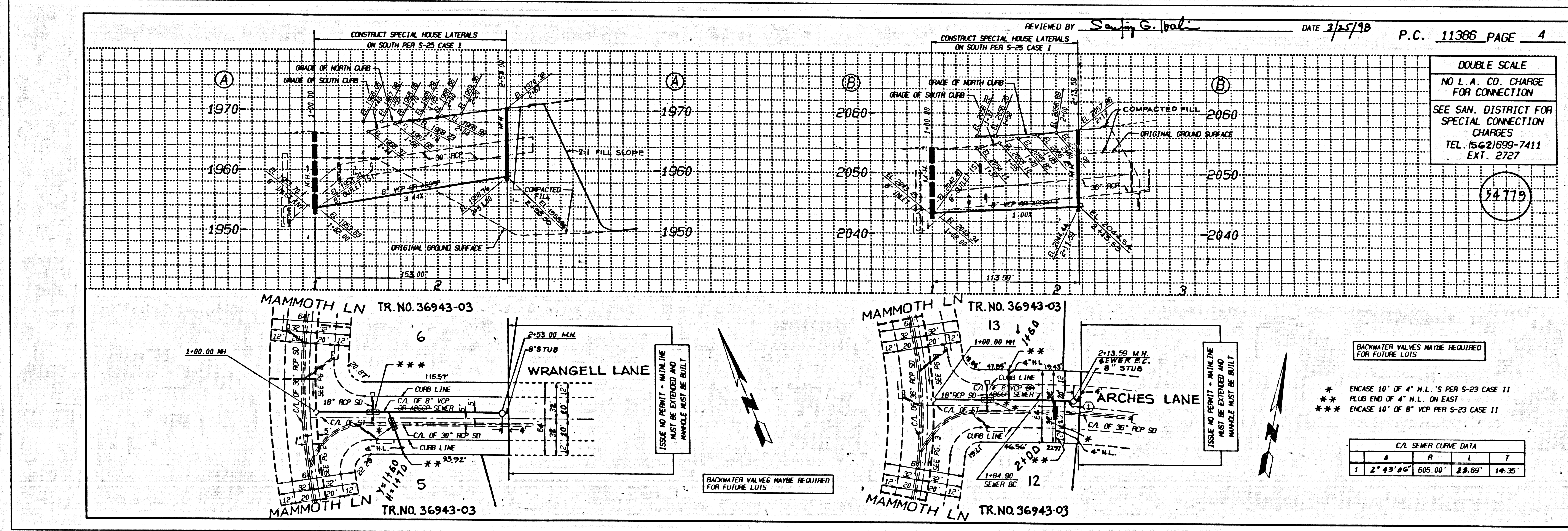
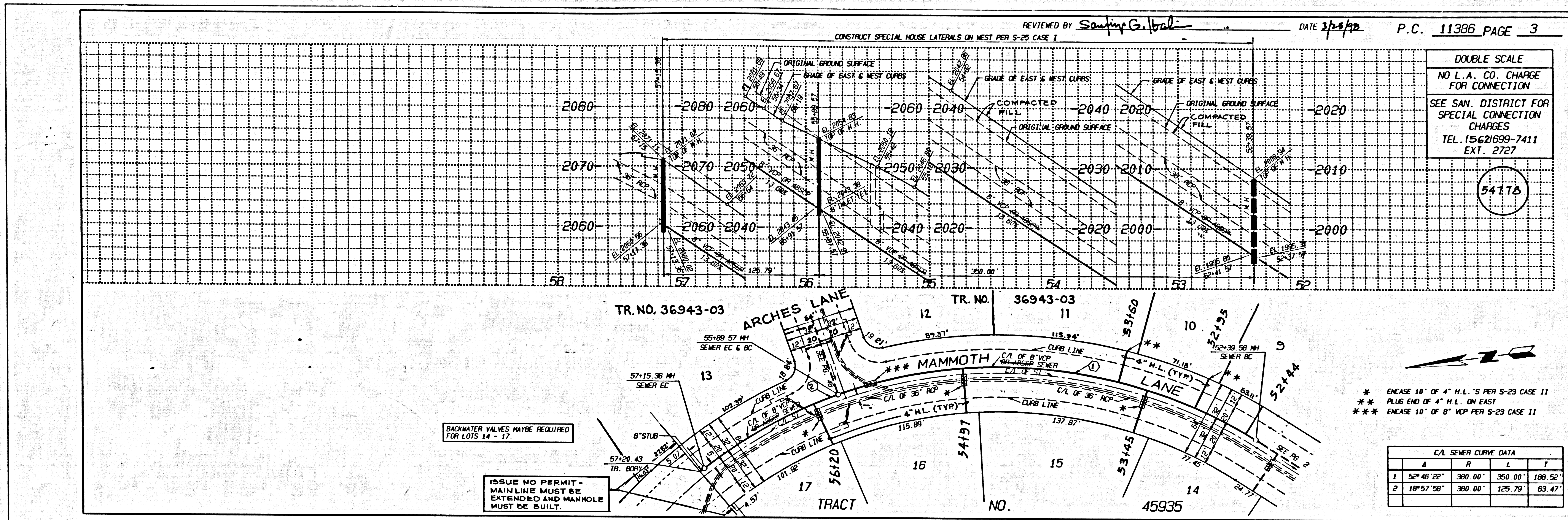
REG. P.E. NO. 15541

SANTA CLARITA VALLEY, BLDG. DIST. B-2

NEWHALL COUNTY WATER DISTRICT
 APPROVED BY: [Signature]
 DATE 3-31-98



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 BC 11386
 3232A
 P.T.



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11386 BC 11386
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