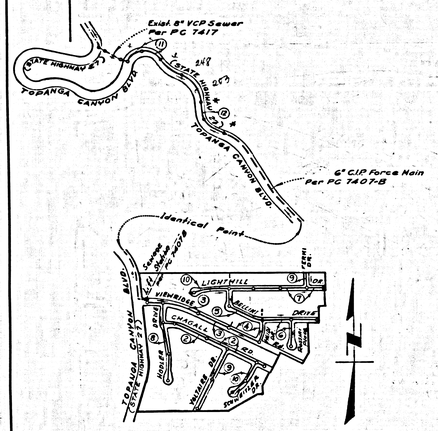
B.M. SY 5557 ELEV. 1499.850
C.S. Br. Cap BM Mon. in well 11' below surface @ Topanga Cyn. Blvd. Summit ± 2.8 mi. S. Ventura Blvd. ± 96' S. from S.W. Cor. of "Top-O-Topanga" Beer Garden Cafe ± 58' S.W. from S.W. Cor. of Conc. block bldg. ± 74' N.W. from PP # 1085 79E & 25' N.W. from fire hydrant # N-53 Hnd. " LMS6-16 1960 RE 5869 "
MALIBU QUAD. 1960



INDEX MAP
TRACT NO. 24680
SCALE: 1" = 600'
P.C. 7407

1. REVISION: 7-20-66
Page 11 & 12 Revised grade between Stations HM # 15+46.48
APPROVED Ernest L. Vickrey
OFFICE OF THE COUNTY ENGINEER
2. Revision: 1-10-67
Page 2. Viewridge Rd.-Changed location of Pumping Station and 15" Sewer MH.
APPROVED Office of the County Engineer

ISSUE NO PERMITS UNTIL PUMP STATION IS CONSTRUCTED & OUTLET SEWER IS AVAILABLE. SEE SANITATION DIVISION.

COLLECT CHARGES AS INDICATED
C. J. V. Mikawa

DOUBLE SCALE
CALABASAS BLDG. DIST. NO. 9.01

NOTES:

1. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
2. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
3. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND Y 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 FROM THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CURVILINEAR SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
4. 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.
5. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
6. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, MADISON 9-4741, EXT. 2688, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
7. MANHOLES SHALL BE SINGLE SEWER STRUCTURES PER S-2 . PRECAST CONCRETE MANHOLES PER S-6 . OR S-6 MAY BE USED AS AN ALTERNATE IN LOCATIONS APPROVED BY THE COUNTY ENGINEER.
8. USE STANDARD MANHOLE FRAMES AND COVERS, S-15, EXCEPT AS NOTED.
9. MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
10. USE EXTRA STRENGTH PIPE. ALL PIPE IS STANDARD DEPTH EXCEPT AS NOTED.
11. USE ..... MECHANICAL COMPRESSION JOINTS FOR ALL V.C.P. JOINTS PER SPECIAL SECS. 26 & 49.
12. WHERE OVER GROUND WATER IS ENCOUNTERED DURING THE CONSTRUCTION OF THIS SEWERS, THE M.C.A. JOINTS SHALL BE OF JOINT COMPOUND PER SPECIAL SECS. 25 & 49, OR MECHANICAL COMPRESSION JOINTS PER SPECIAL SEC. 26.
13. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-2.3, CASE III, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
14. 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 V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-2.2 UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
15. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE .... 6 .... FEET BELOW CURB GRADE EXCEPT AS NOTED.
16. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
17. FOR ALLOWABLE LEAKAGE TEST USE FORMULA NO. ..... 2 ....., SPECIAL SEC. 24.
18. (a) AN ACCEPTABLE CERTIFICATION OF COMPACTION TEST RESULTS SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION. COMPACTION TESTS ARE TO BE MADE IN ACCORDANCE WITH A.S.T.M. STANDARD METHOD OF TEST D-698-42T.
(b) NO CONSTRUCTION IS PERMITTED IN FILLED AREAS WHERE THE RELATIVE DENSITY OF COMPACTION IS LESS THAN 85%.
(c) IF THE RELATIVE DENSITY OF COMPACTION IS LESS THAN 90%, ALL MAIN LINE SEWER & HOUSE LATERALS SHALL BE CRADLED PER S-2.2 OR HAVE A SPECIAL BASE COURSE PER S-21, CASE III, SPECIAL M.H. BASES PER S-14 ARE REQUIRED.
(d) IF THE RELATIVE DENSITY OF COMPACTION IS 90% OR GREATER, THE SPECIALS IN (c) ARE NOT REQUIRED.
19. ALL STATE & LOCAL TRENCH SAFETY ORDERS WILL BE RIGIDLY ENFORCED.

PROFILE ALIGNMENT AND GRADE OF P.C. 7407
SANITARY SEWERS PAGE 1
TO BE CONSTRUCTED IN
TRACT NO. 24680
PRIVATE CONTRACT NO. 7407
W.S. 89
6 SHEETS, 12 PAGES
SCALE: VERT. 1"=5', HORIZ. 1"=50' JULY, 1965
39174
PREPARED IN THE OFFICES OF
SCOTT, BLAKE & WYNNE
By: Douglas W. Wynne
REG. C. E. NO. 9438

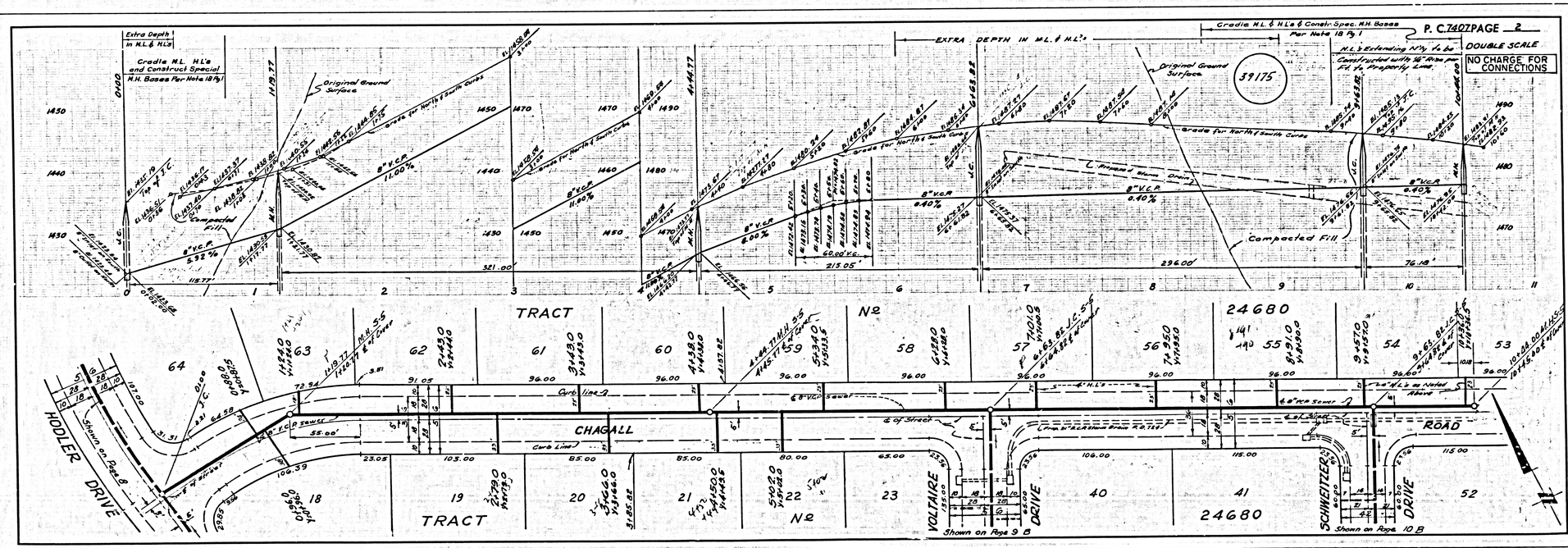
FOR LEGEND SEE PLAN NO. S-1

NOTE:
GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILE. 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.
THIS DRAWING AND THE DATA HEREON ARE SUBJECT TO THE GENERAL PROVISIONS OF THE SPECIFICATIONS.
WORK SHALL BE CONSTRUCTED ACCORDING TO STANDARD SPECIFICATIONS DATED JULY 29, 1966, ON FILE IN THE OFFICE OF THE COUNTY ENGINEER AND SHALL BE PERFORMED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE L.A. COUNTY ROAD DEPARTMENT DISTRICT OFFICE NO. 5 AND PAY A FEE TO THE COUNTY ENGINEER, ROOM 320, COUNTY ENGINEERING BUILDING, 108 WEST SECOND STREET OR PAJOR VENDRELL-CENTINELA VALLEY REGIONAL OFFICE, SUFFICIENT TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
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.
IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 120 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMBIE, COUNTY ENGINEER
LAS VIRGENES MUNICIPAL WATER DISTRICT
APPROVED BY: Robert E. Kline, ASSISTANT SANITATION ENGINEER
APPROVED BY: Gerald E. Campbell, 9/22/66, OFFICE ENGINEER, RCE 15325
SUBMITTED BY: Jack C. Tavenner, REGIONAL ENGINEER
CHECKED BY: Ernest L. Vickrey, REG. C.E. NO. 10423

J.N. 0366.01

P.C. 7407 PAGE 2
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
39175



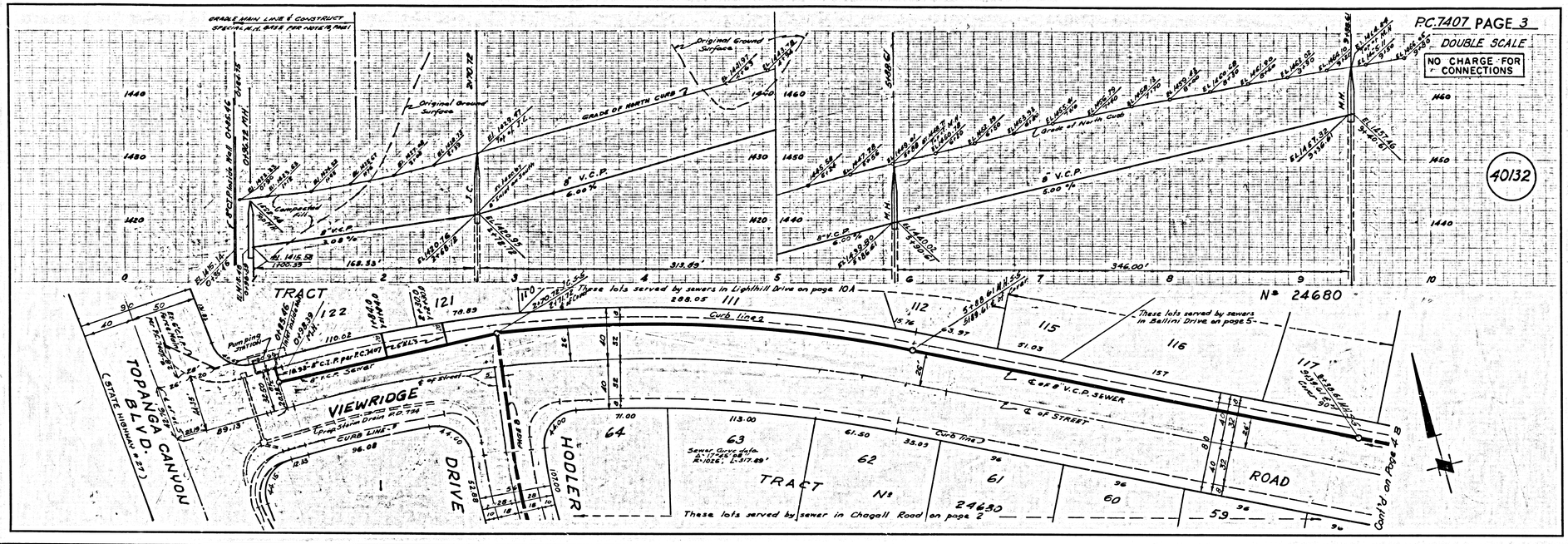
K-E L.A. COUNTY SEWER SHEET NO. 1 SOUTHERN CALIFORNIA BLUEPRINT CO.

P.C. 7407 PAGE 3

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40132

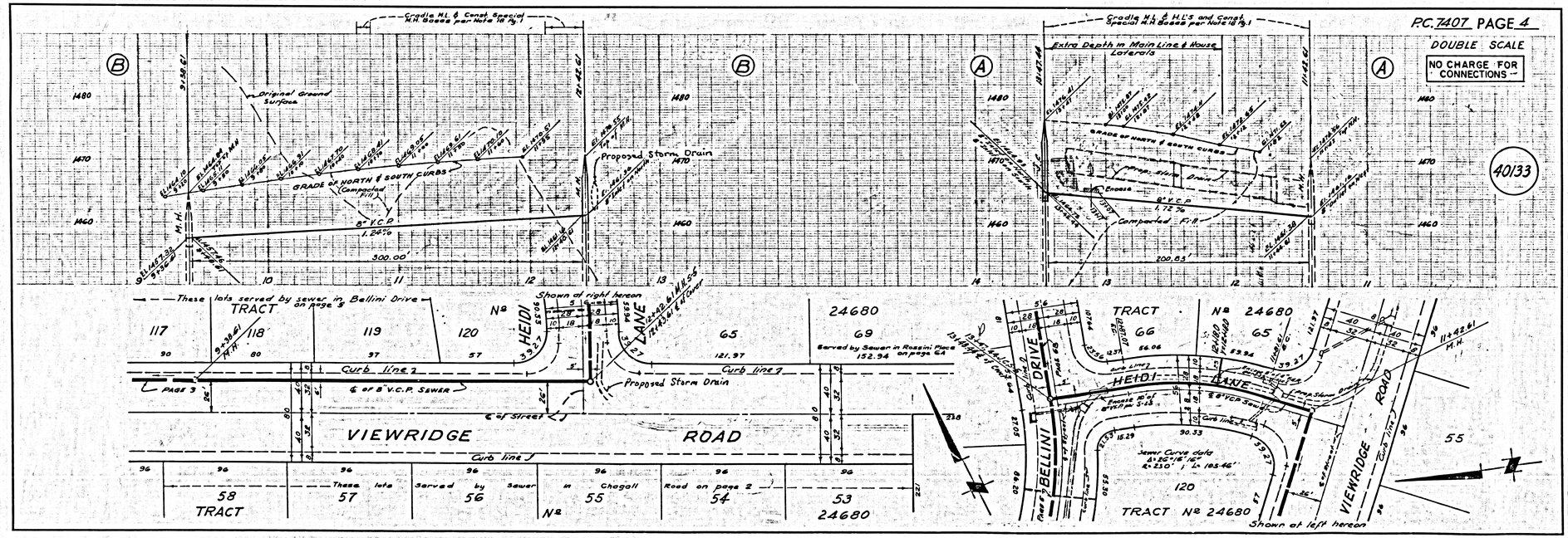


P.C. 7407 PAGE 4

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40133

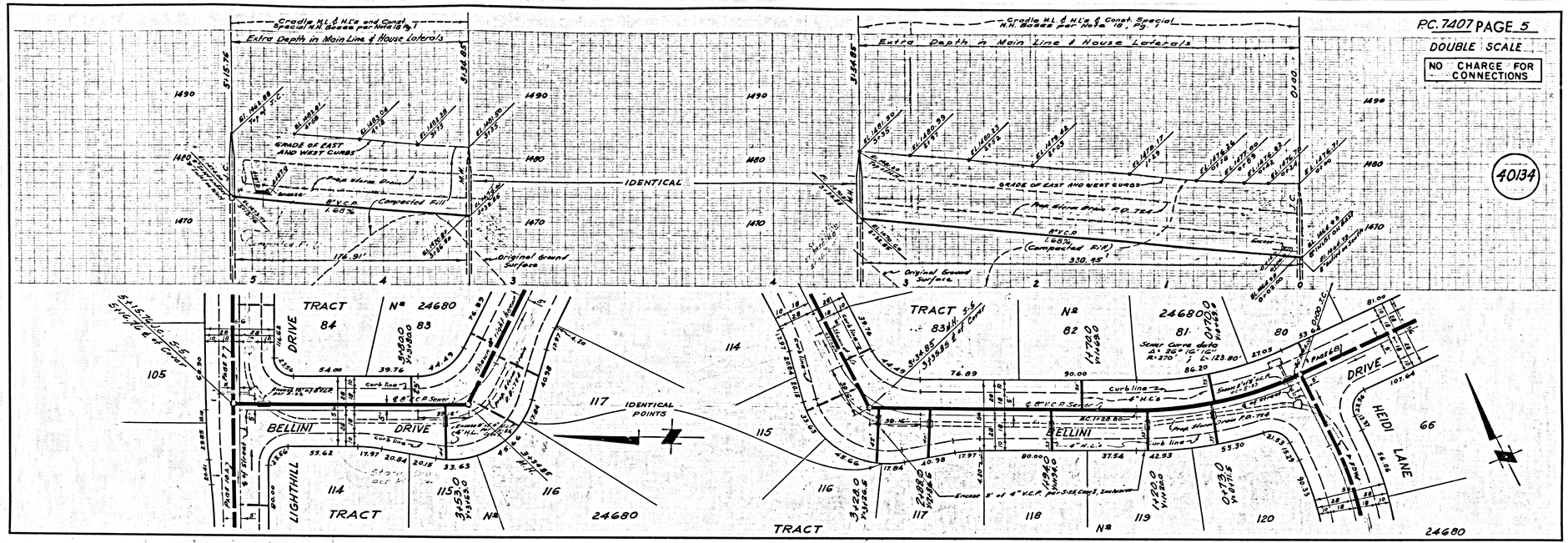


PC. 7407 PAGE 5

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40134

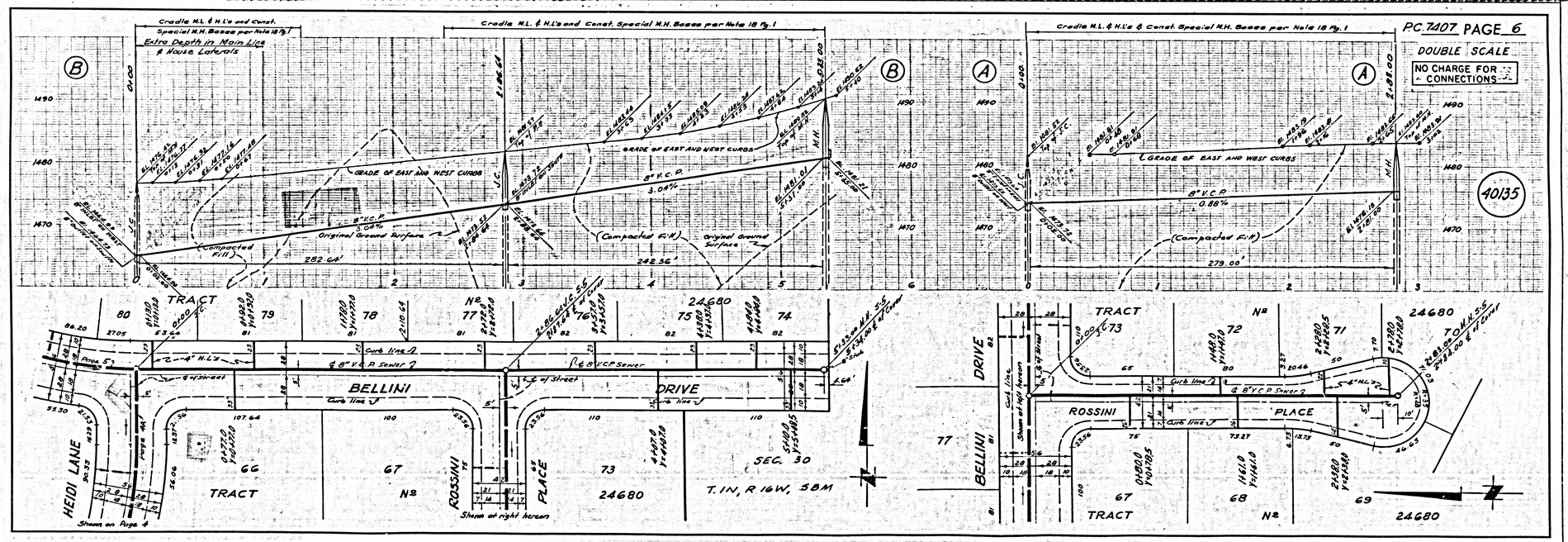


PC. 7407 PAGE 6

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40135

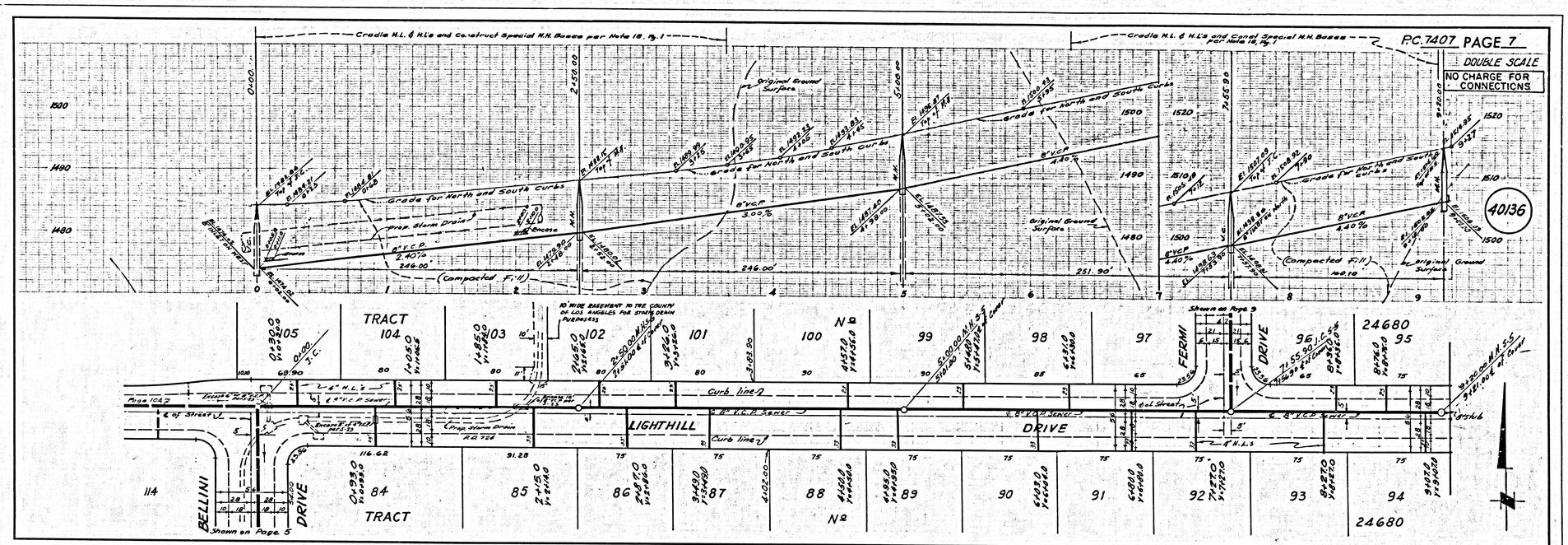


P.C. 7407 PAGE 7

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40136

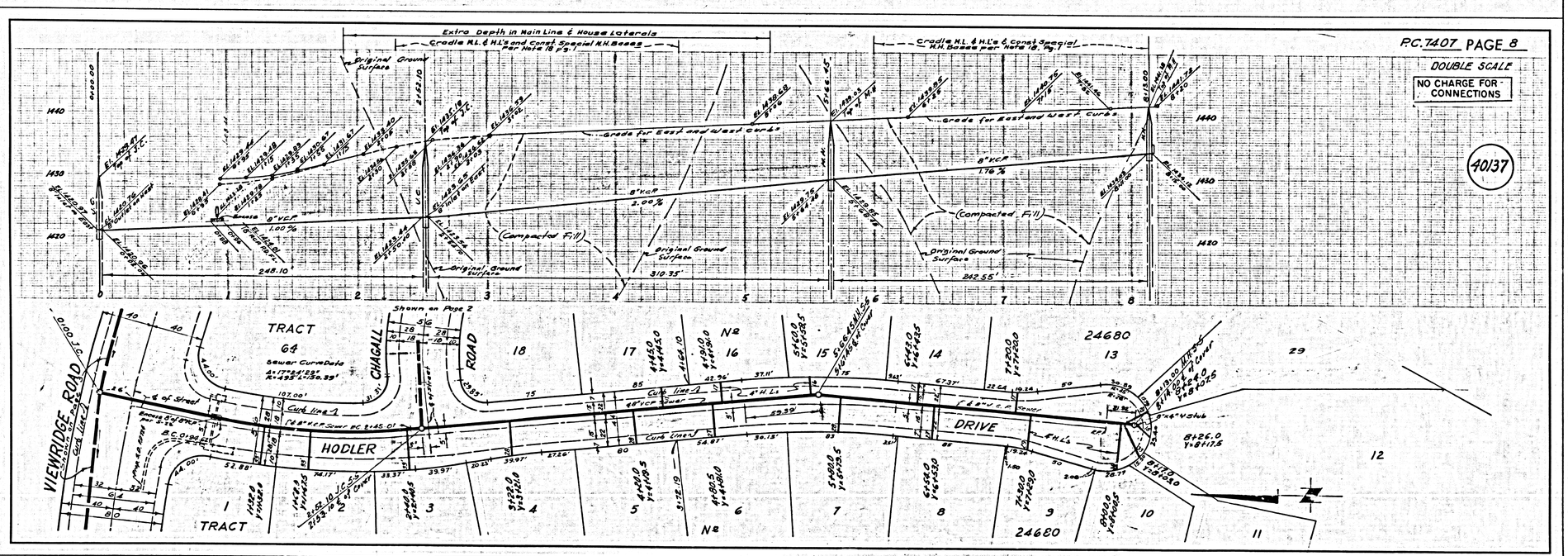


P.C. 7407 PAGE 8

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40137

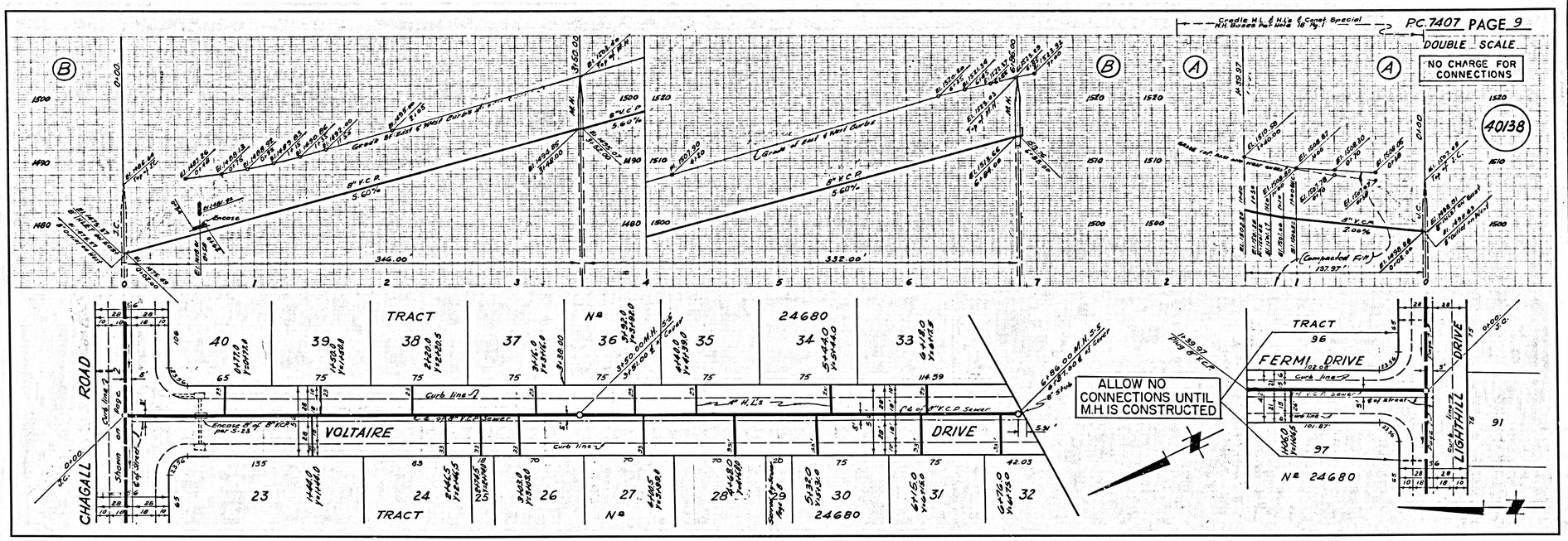


PC. 7407 PAGE 9

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40/38

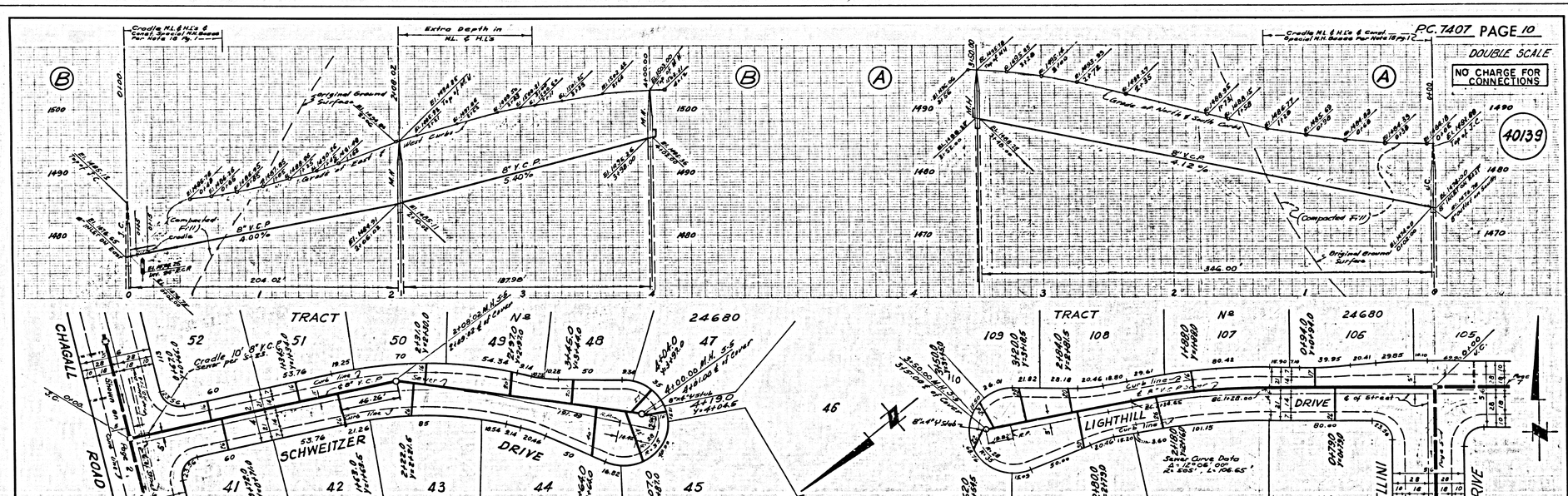


PC. 7407 PAGE 10

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40/39

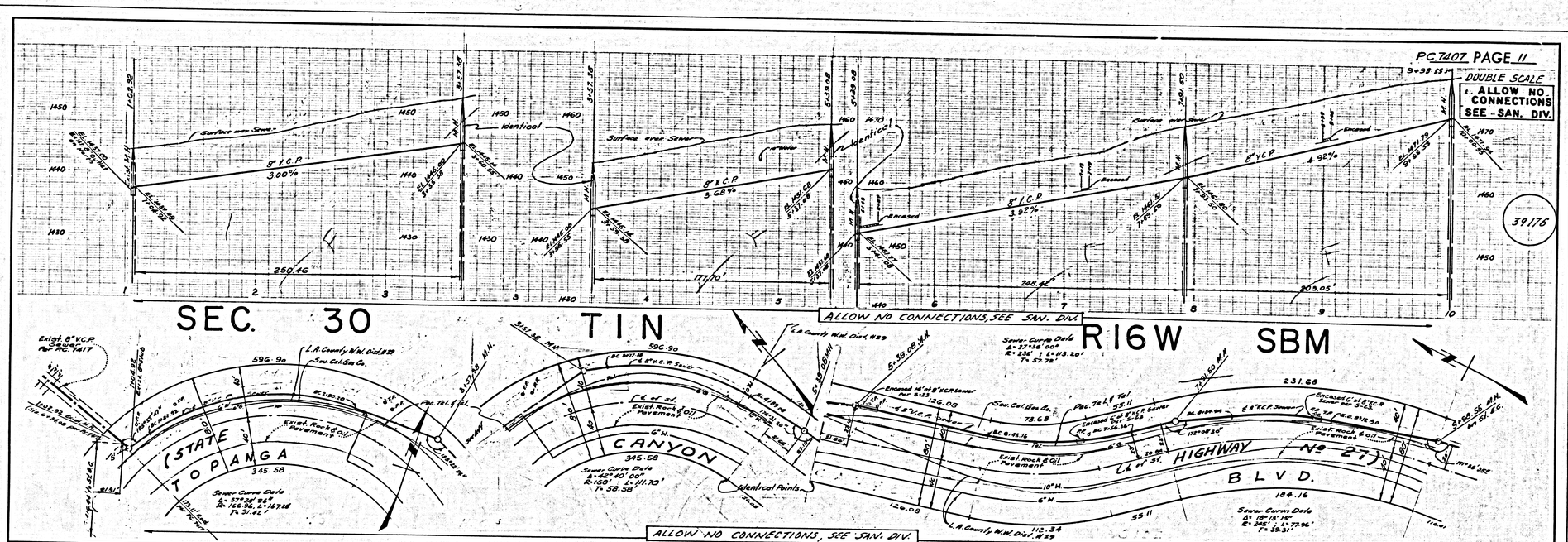


PC 7407 PAGE 11

DOUBLE SCALE

1. ALLOW NO CONNECTIONS SEE SAN. DIV.

39176

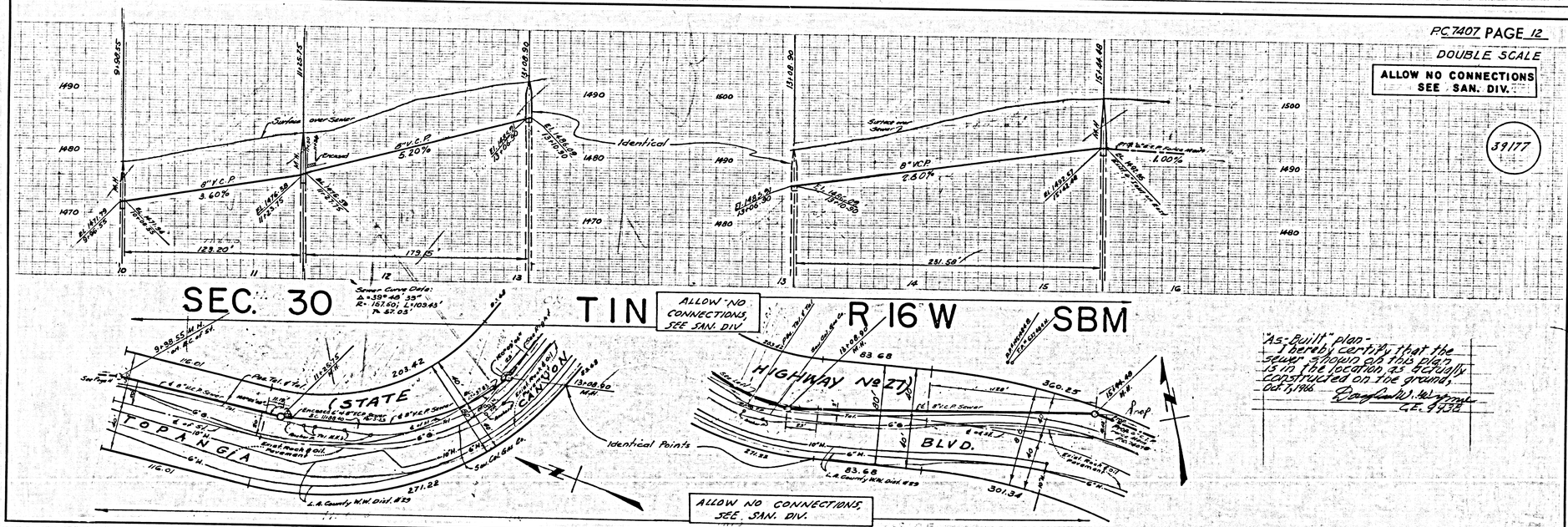


PC 7407 PAGE 12

DOUBLE SCALE

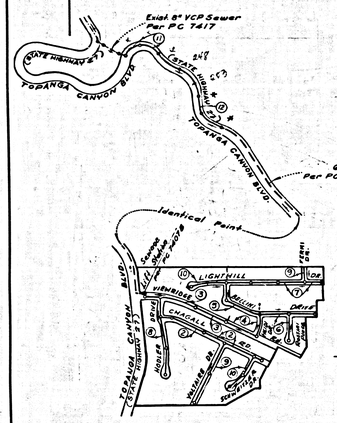
ALLOW NO CONNECTIONS SEE SAN. DIV.

39177



"As-Built" plan.
I hereby certify that the sewer shown on this plan is in the location as actually constructed on the ground.
Oct 3, 1966
Douglas W. Wayne
C.E. 9938

B.M. SY 5557 ELEV. 1499.850
C.S. Br. Cap BM Mon. in wall 11" below surface @ Topanga Cyn Blvd. Summit ± 2.8 mi. S. Ventura Blvd. ± 96' ± from S.W. Cor. of "Top-O-Topanga" Beer Garden Cafe ± 58' S.W. from S.W. Cor. of conc. block bldg. ± 74' N.W. from PP #1085798 ± 23' N.W. from fire hydrant # N-53 Mtd. " BM 38-16 1960 RE 5869"
MALIBU QUAD. 1960



INDEX MAP
TRACT NO. 24680
SCALE: 1"=600'
PC. 7407

1. REVISION: 7-20-66
Page 11 & 12 Raised grade between Stations 1+10 & 15+44.48
APPROVED [signature]
OFFICE OF THE COUNTY ENGINEER
2. Revision: 1-10-67
Page 3. Viewridge Rd. - Changed location of Pumping Station and 1st. Sewer MH.
APPROVED [signature]
Office of the County Engineer

ISSUE NO PERMITS UNTIL PUMP STATION IS CONSTRUCTED & OUTLET SEWER IS AVAILABLE. SEE SANITATION DIVISION.

COLLECT CHARGES AS INDICATED
[signature]

DOUBLE SCALE

CALABASAS BLDG. DIST. NO. 9.01

NOTES:
1. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
2. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
3. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STAKEMENT FOR ALL HOUSE LATERALS AND "Y" BRANCHES AND SHALL PROVIDE STAKES FOR THESE AT THESE PROPER LOCATIONS WITH STATIONING PLAINLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT 9 DIRECTION ANGLES FROM THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CRANKETTE SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
4. 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.
5. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
6. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, MADISON 9-0121, EXT. 2688, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
7. MANHOLES SHALL BE STD.C SEWER STRUCTURE NO S-5 PRECAST CONCRETE MANHOLES PER S-6 OR S-8 MAY BE USED AS AN ALTERNATE IN LOCATIONS APPROVED BY THE COUNTY ENGINEER.
8. USE STANDARD MANHOLE FRAMES AND COVERS, S-15, EXCEPT AS NOTED.
9. MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
10. USE EXTRA STRENGTH PIPE. ALL PIPE IS STANDARD DEPTH EXCEPT AS NOTED.
11. USE [ ] MECHANICAL COMPRESSION JOINTS FOR ALL V.C.P. JOINTS PER SPECS., SECS. 36 [illegible] & 49.
12. WHERE PIPE GROUND WATER IS ENCOUNTERED DURING THE CONSTRUCTION OF THE SEWERS, USE V.C.A. JOINTS SMALL BE OF JOINT COMPOUND PER SPECS., SECS. 33 & 49, OR MECHANICAL COMPRESSION JOINTS PER SPECS., SEC. 36.
13. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-23, CASE III, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
14. 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 V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-23 UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
15. HOUSE LATERALS TO BE CONSTRUCTED WITH DIVERTS AT PROPERTY LINE....6....FEET BELOW CURB GRADE EXCEPT AS NOTED.
16. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
17. FOR ALLOWABLE LEAKAGE TEST USE FORMULA NO.....R....., SPECS., SEC. 24.
18. (a) AN ACCEPTABLE CERTIFICATION OF COMPACTION TEST RESULTS SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION. COMPACTION TESTS ARE TO BE MADE IN ACCORDANCE WITH A.S.T.M. STANDARD METHOD OF TEST D-698-45T.
(b) 100 CONSTRUCTION AS PERMITTED ON FILLED AREAS WHERE THE RELATIVE DENSITY OF COMPACTION IS LESS THAN 90%.
(c) IF THE RELATIVE DENSITY BY COMPACTION IS LESS THAN 90% ALL MAIN LINE SEWER & HOUSE LATERALS SHALL BE CRADLED PER S-25 OR HAVE A SPECIAL BASE COURSE PER S-21. CASE III, SPECIAL M.H. BASES PER S-16 ARE REQUIRED.
(d) IF THE RELATIVE DENSITY OF COMPACTION IS 90% OR GREATER, THE SPECIALS IN (c) ARE NOT REQUIRED.
19. ALL STATE & LOCAL TRENCH SAFETY ORDERS MILL BE RIGIDLY ENFORCED.

PROFILE ALIGNMENT AND GRADE OF P.C. 7407
SANITARY SEWERS PAGE 1
TO BE CONSTRUCTED IN

TRACT NO. 24680
PRIVATE CONTRACT NO. 7407

W.S. 89
6 SHEETS; 12 PAGES
SCALE: VERT. 1"=8' HORIZ. 1"=40' JULY, 1965
39174

PREPARED IN THE OFFICES OF
SCOTT, BLAKE & WYNNE
By: [signature]
REG. C. E. NO. 9438

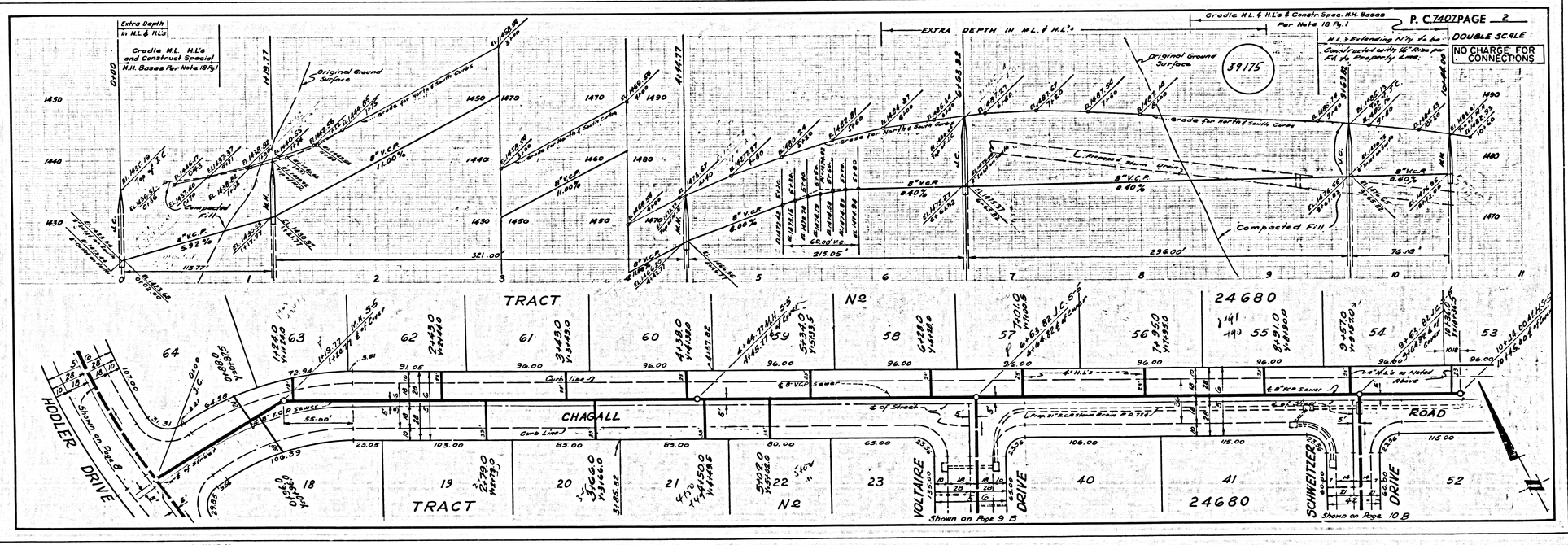
FOR LEGEND SEE PLAN NO. S-11

NOTE:
GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTER LINE OR STREETS, OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED POINTS THE GRADE SHALL BE CONSIDERED TO BE UNIFORMLY CHANGING SO AS TO CONFORM TO A STRAIGHT LINE RELATION BETWEEN SAID DESIGNATED POINTS.
ELEVATIONS AS SHOWN ON THESE PLANS ARE ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
BENCH MARKS AND STATION NUMBERS ARE HEREBY MADE A PART OF THE SPECIFICATIONS.
WORK SHALL BE CONSTRUCTED ACCORDING TO STANDARD SPECIFICATIONS DATED MAY 29, 1962 ON FILE IN THE OFFICE OF THE COUNTY ENGINEER AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE L.A. COUNTY ROAD DEPT., DISTRICT OFFICE NO. 3 AND PAY A FEE TO THE COUNTY ENGINEER, ROOM 338, COUNTY ENGINEERS BUILDING, 206 WEST SECOND STREET OR PALOS VERDES-CENTINELA VALLEY REGIONAL OFFICE, SUFFICIENT TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
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.
IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 1120 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMBIE, COUNTY ENGINEER
LAS VIRGENES MUNICIPAL WATER DISTRICT
APPROVED BY: [signature] ASSISTANT SANITATION ENGINEER
APPROVED BY: [signature] 9/26/66 OFFICE ENGINEER EZ15325
SUBMITTED BY: [signature] REGIONAL ENGINEER
CHECKED BY: [signature] REG. C.E. NO. 10453

J.N. 0366.01

P.C. 7407 PAGE 2
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
39175

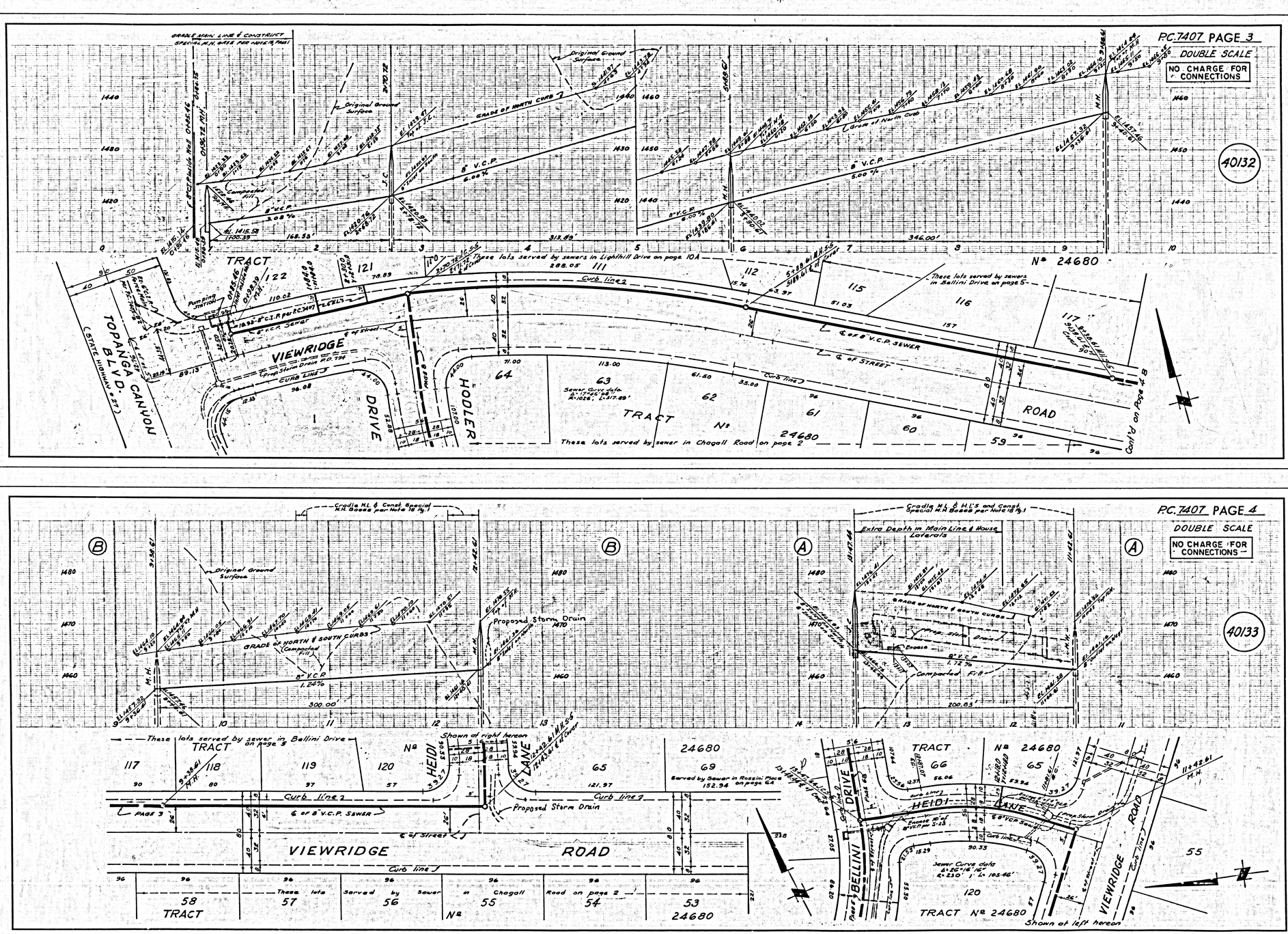


PC.7407 PAGE 3

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40132

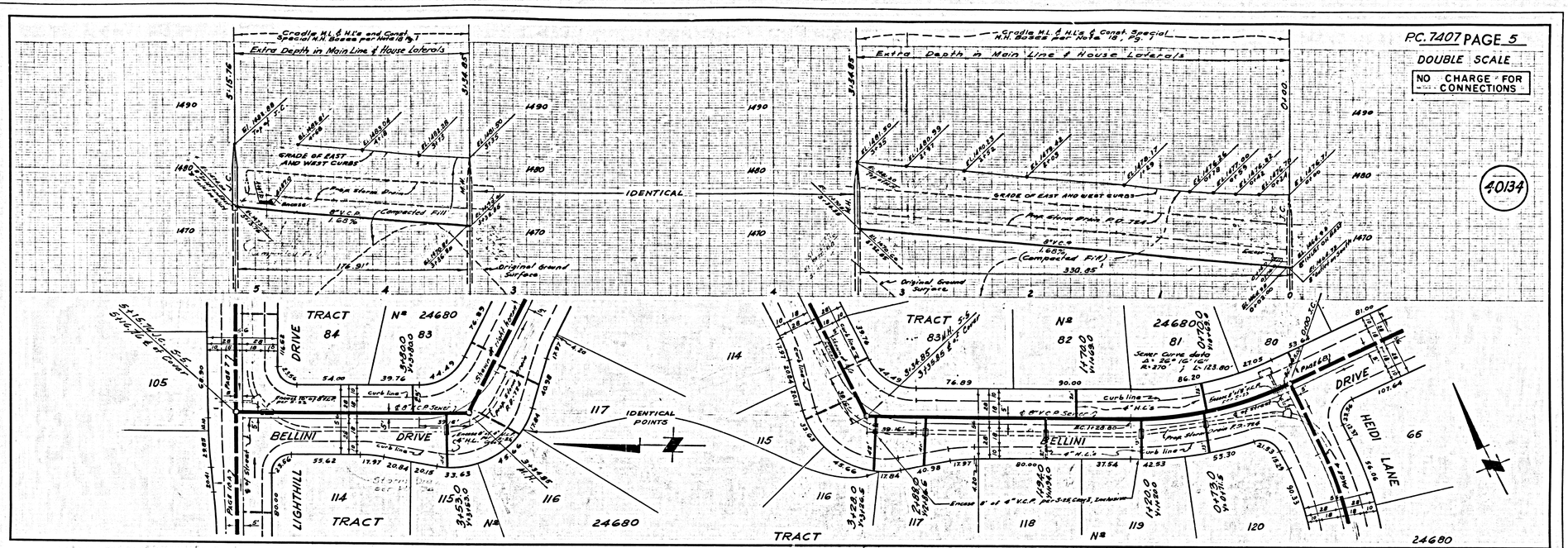


PC. 7407 PAGE 5

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40134

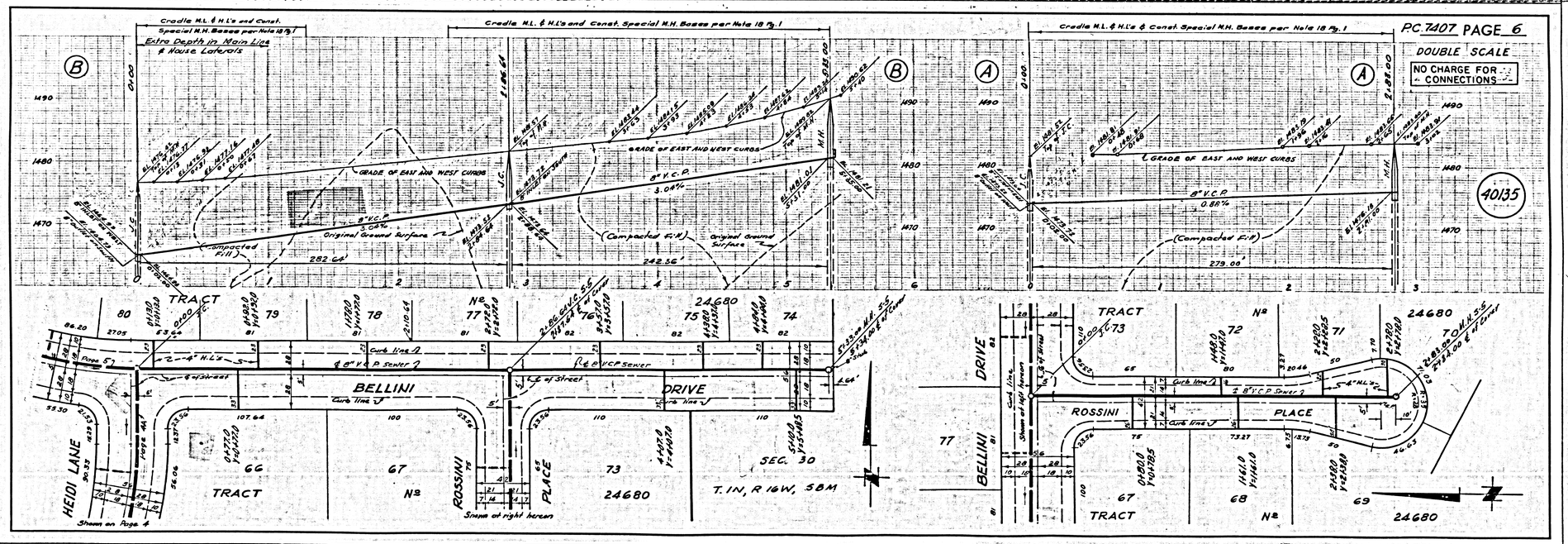


PC. 7407 PAGE 6

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

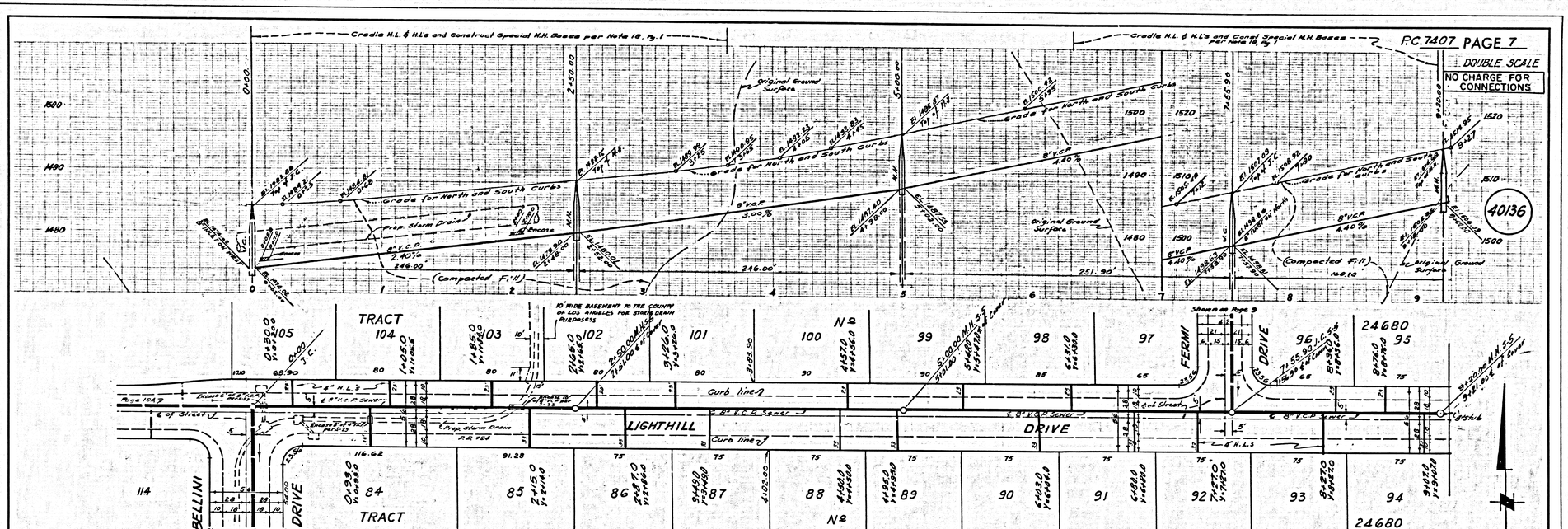
40135



P.C. 7407 PAGE 7

DOUBLE SCALE
NO CHARGE FOR CONNECTIONS

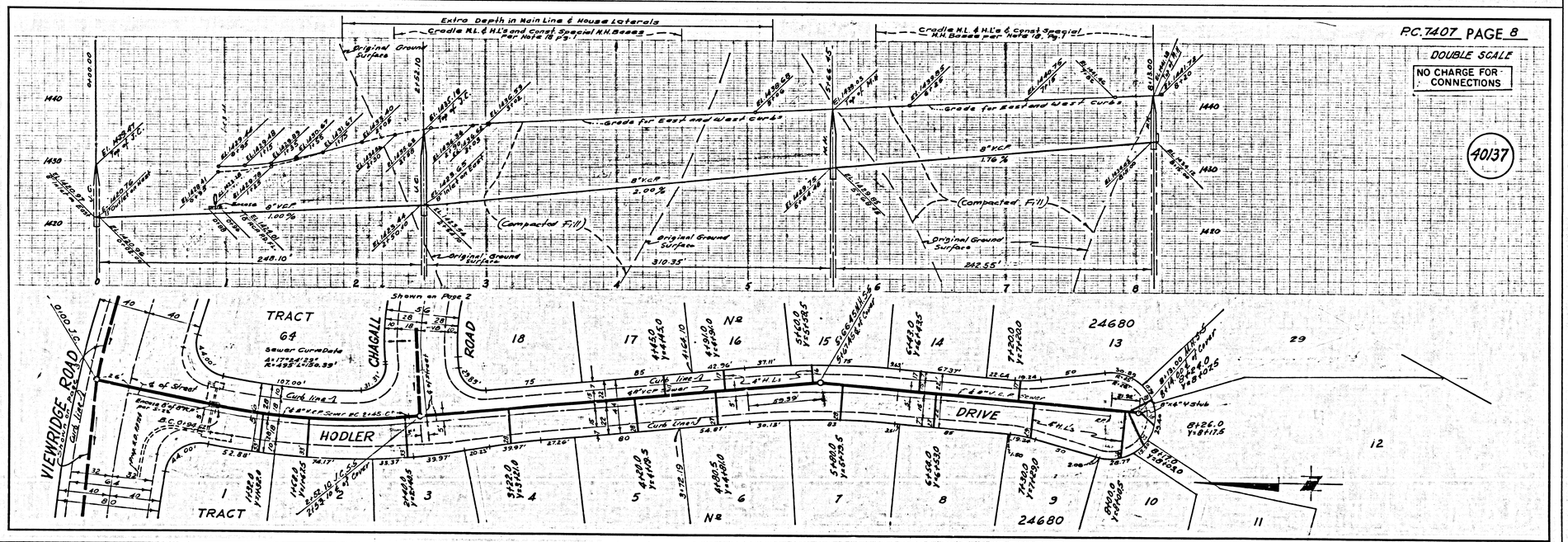
40136



P.C. 7407 PAGE 8

DOUBLE SCALE
NO CHARGE FOR CONNECTIONS

40137



P.C. 7407 PAGE 9

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40138

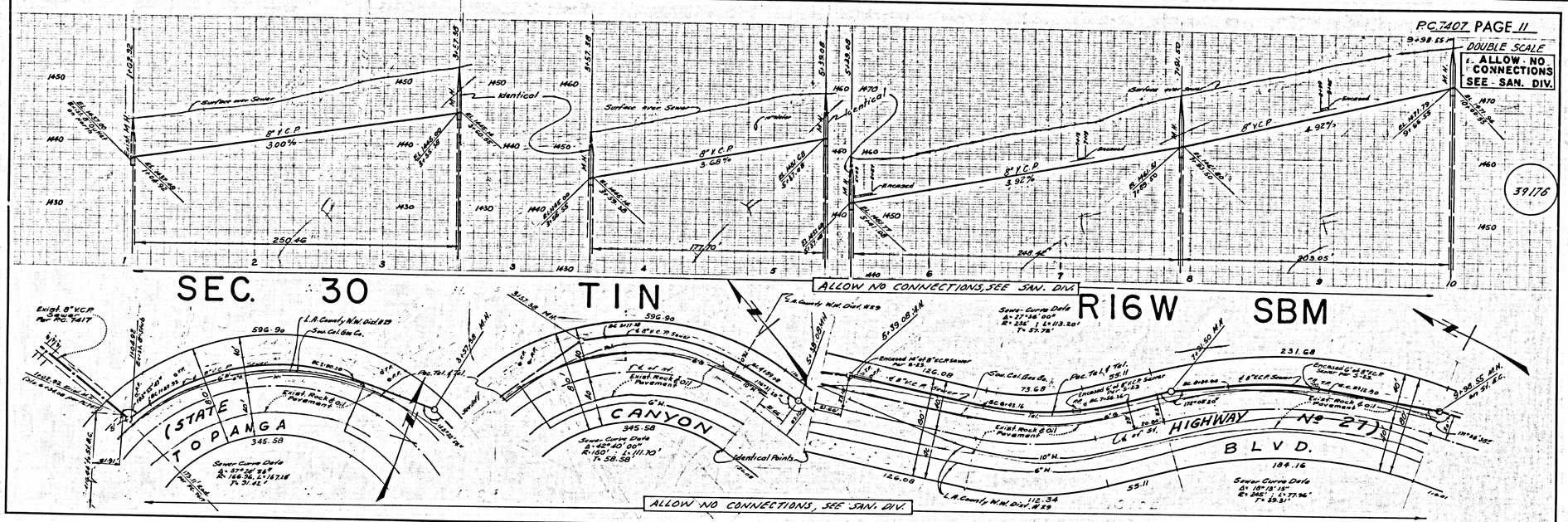
ALLOW NO CONNECTIONS UNTIL M.H IS CONSTRUCTED

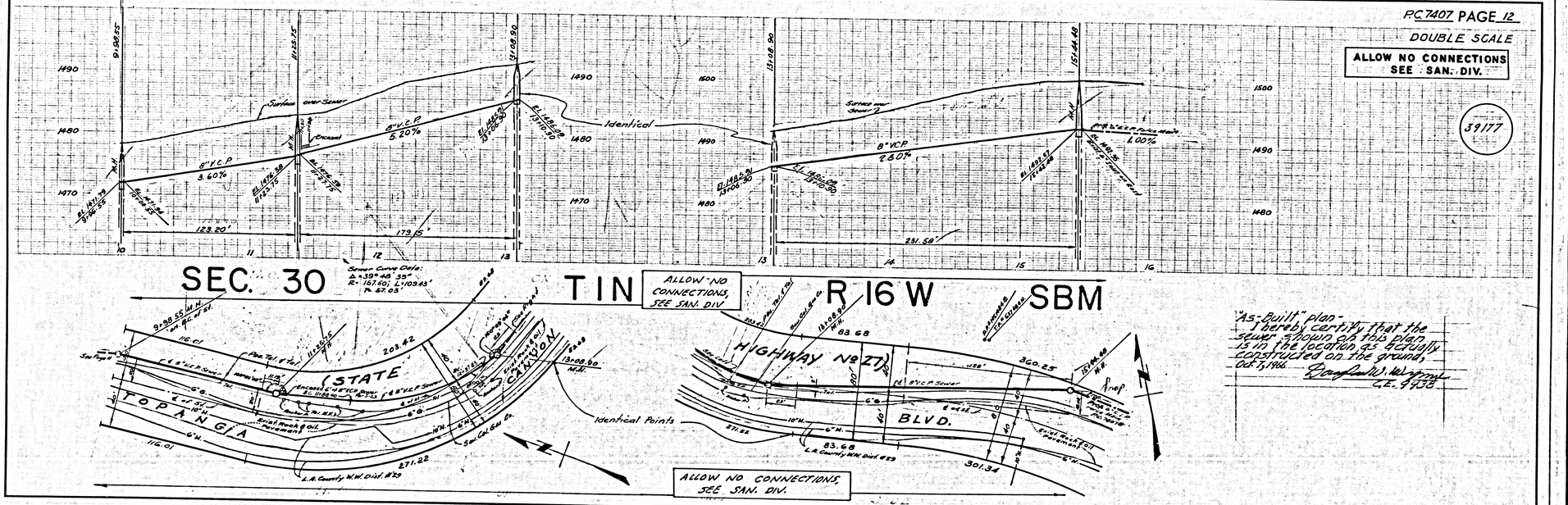
P.C. 7407 PAGE 10

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

40139

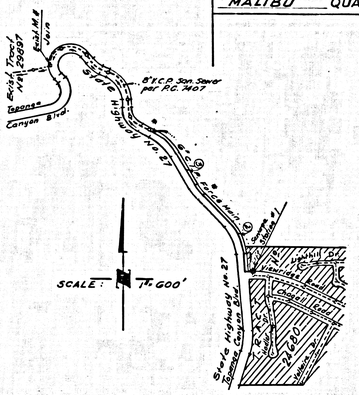




"As-Built" plan-
I hereby certify that the sewer shown on this plan is in the location as actually constructed on the ground, Oct 7, 1966.
Douglas W. Wagner
C.E. 9938

DOUBLE SCALE
MALIBU BLDG. DIST. NO. 9.02

B.M. SY 5557 ELEV. 1499.850
C.S. Br. Cap BM Mon. in wall 11" below surface @ Topanga Cyn. Rd. Summit ± 2.8 mi. S. Ventura Blvd. ± 96'
S. from S.M. Cor. of "Top-O-Topanga" Bear Garden Cafe ± 58' S.W. from S.M. Cor. of conc. block bldg.
± 74' N.W. from PP #1085 75E ± 25' N.W. from fire hydrant # N-53 Mkd. " BM 56-16 1960 RE 5869"
MALIBU QUAD. 1960


Fire Dept. Hydrant No. 2388
Malibu Colony Road
State Highway No. 27
Topanga Canyon Blvd.
8" C.P. San. Sewer per P.C. 7407
SCALE: 1" = 600'
Santa Monica Mts.
Topanga Canyon Blvd.
Topanga Canyon Blvd.
Malibu Canyon Road
Las Virgenes Road
Las Virgenes Creek
Las Virgenes Canyon
Las Virgenes Canyon Road
Las Virgenes Creek
Las Virgenes Road
Las Virgenes Canyon Road
Las Virgenes Creek
Las Virgenes Canyon Road
Las Virgenes Creek
Las Virgenes Canyon Road
Las Virgenes Creek

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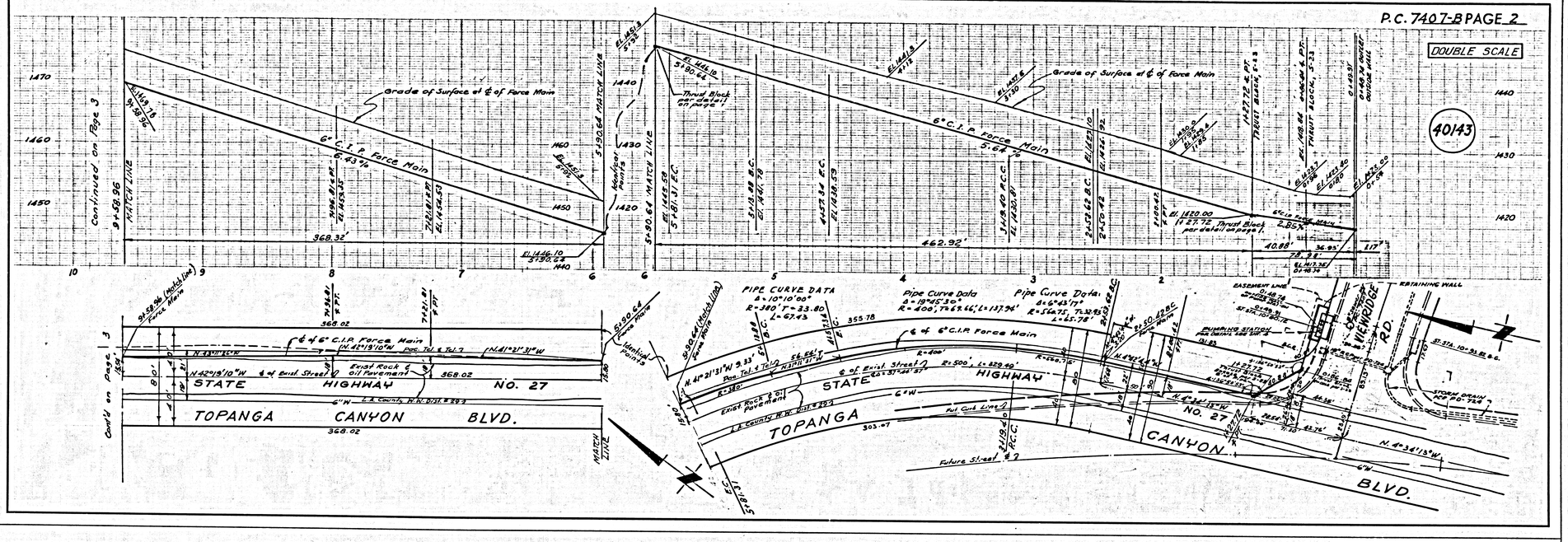
DOUBLE SCALE

40143



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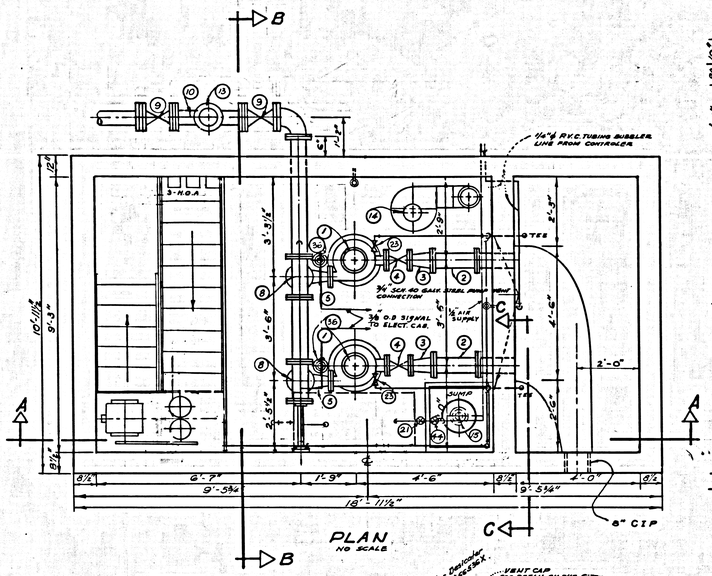
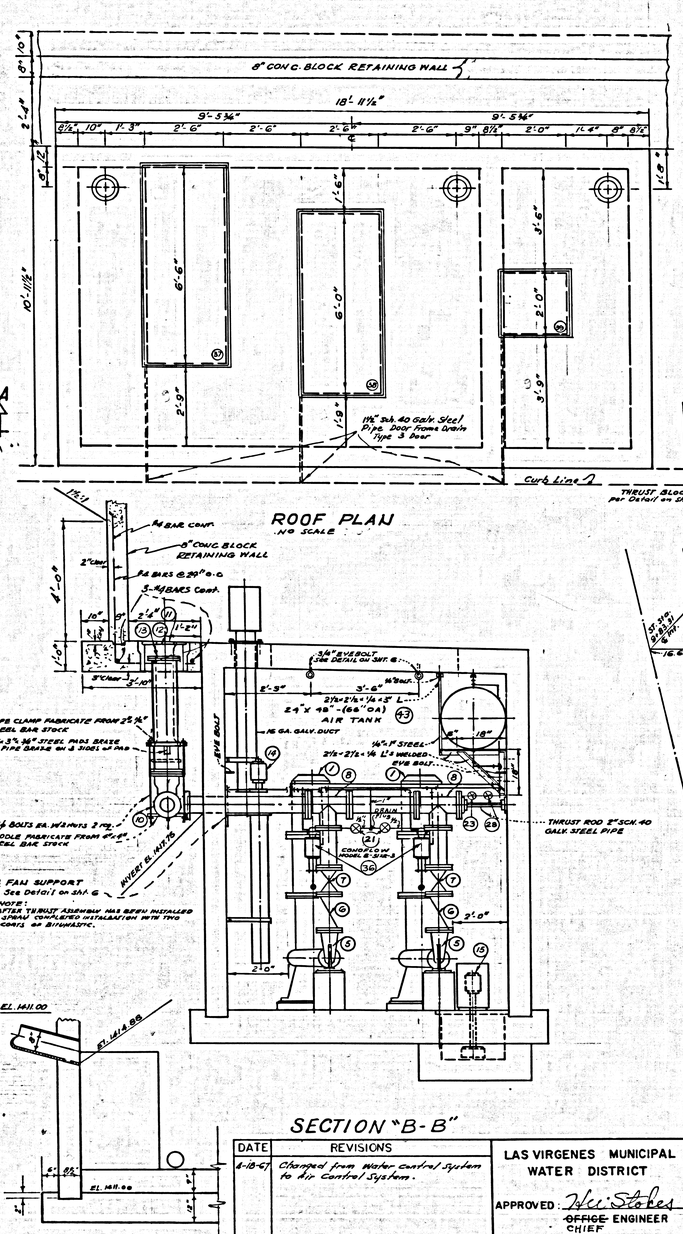
DOUBLE SCALE

40144

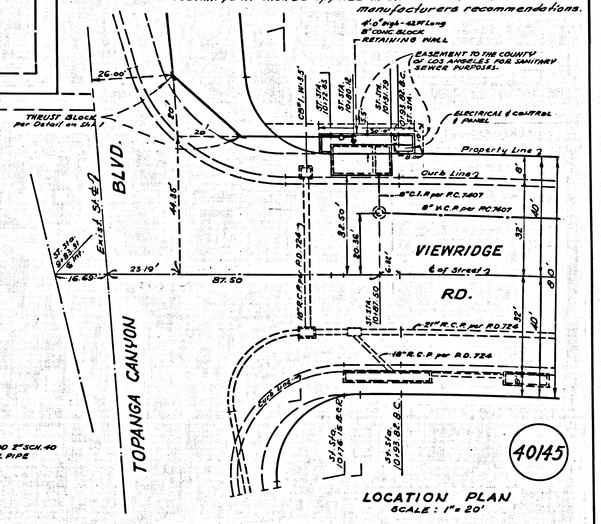




PLUMBING GENERAL NOTES

1. Piping 1½" and smaller unless otherwise noted shall be schedule 40 galvanized steel pipe with 150 lb. malleable iron galvanized screwed and banded fittings.
2. Piping for "Bubble-trol" shall be P.V.C. tubing.
3. 6" and 8" C.I.P. piping through the wall shall be class 150 cast iron pipe with class 125 flanged end.
4. 6" piping within the lift station shall be 6" C.I.P. in accordance with ASA A21.6 or 21.8 for class 150, with class 125 flanges per ASA B16.1. After fabrication the pipe and flange assemblies shall be hot dipped galvanized.
5. Fan inlet and exhaust duct shall be 6" galvanized steel Pipe
6. Contractor shall furnish and install all hangers and supports necessary to provide a complete piping suspension system.
7. All pipe openings in walls shall be sealed watertight.
8. Piping 1½ and smaller is shown diagrammatically and shall be arranged to suit field conditions.
9. Contractor shall furnish and install painting for the lift station as follows:
   a) Floor - Tile Red - Inertol # 315
   b) Walls and Ceiling - Aqua Green - Inertol # 300
   c) Wet well (wall, Floor and Ceiling) - Inertol standard black as per specifications 39 (f) - (3)
   d) Machinery and piping - light gray - Inertol # 306 on the Rust Penetrating Primer.

   Paint shall consist of one undercoat and one finish coat. All paint shall be applied in strict accordance with the manufacturers recommendations.



GENERAL NOTES CONT'D.

10. Air tank shall be A.S.M.E. approved & licensed for operation in accordance with "Unified Pressure vessel Safety Order" Code, State of California, Dept. of Industrial Relations.
11. All piping inside pumping station vault to be securely fastened to walls, or to have minimum of 6.5' clear headroom.

PRIVATE CONTRACT Nº 7407-B
SEWAGE PUMP STATION TO SERVE
TRACT Nº 24680
PREPARED IN THE OFFICES OF
SCOTT, BLAKE & WYNNE

Douglas W. Wynne
R.C.E. Nº 9438

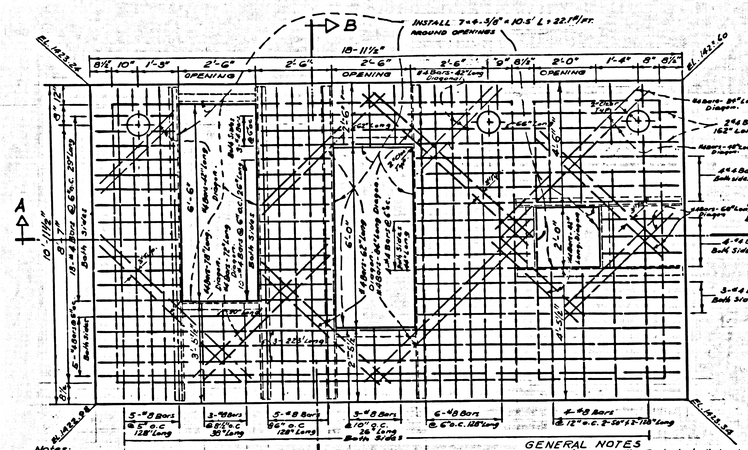
DATE	REVISIONS
4-18-67	Changed from Water control System to Air Control System.

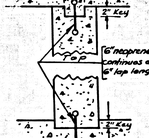
Checked By: Rudolph J. Yolinski
R.C.E. No. 14330 Date: 4-24-67
OFFICE OF THE COUNTY ENGINEER

LAS VIRGENES MUNICIPAL WATER DISTRICT
APPROVED: Hal Stokes
~~OFFICE~~ CHIEF ENGINEER

COUNTY OF LOS ANGELES, CALIFORNIA
APPROVED: JOHN A. LAMBIE
COUNTY ENGINEER
APPROVED: Richard E. Kuhn 8-3-66
SAN. DIV. ENGINEER
CHECKED: S.K. Uride 8-2-66
R.C.E. Nº 9406
REVIEWED: Carl J. H. Kroon
SEWER MAINT. SUPT.

DATE: | SCALE: | PAGE 4 OF 6 PAGES



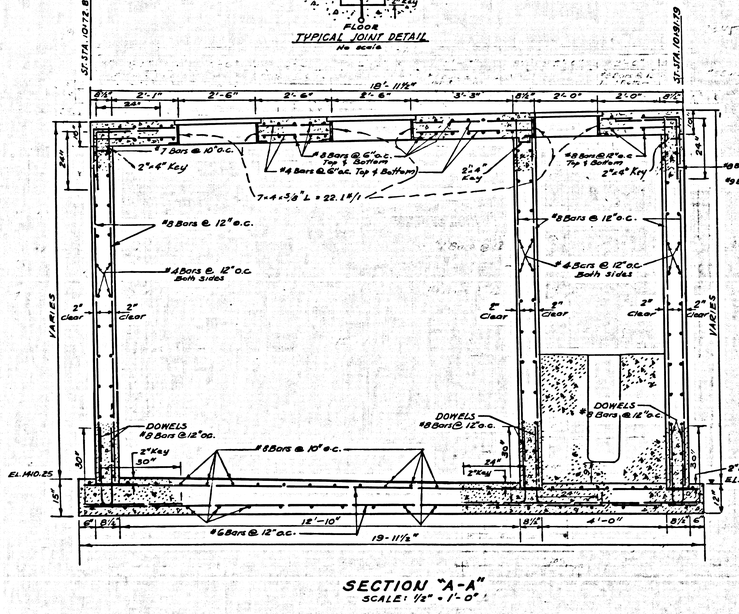


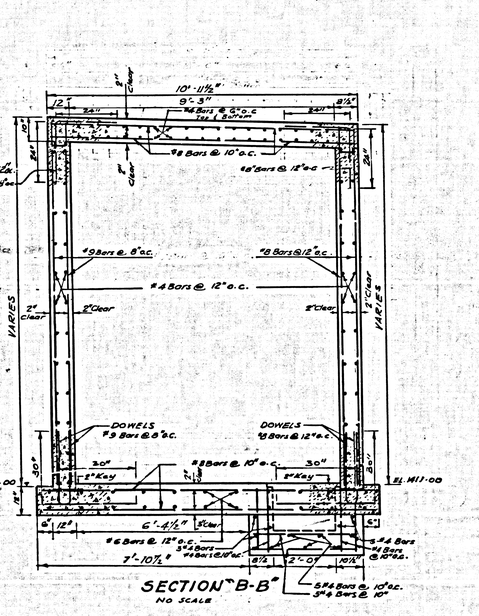
TYPICAL JOINT DETAIL
No scale

GENERAL NOTES

1. All Concrete used in the Project shall develop a strength of 3000 P.S.I. at 28 days.
2. All reinforcing steel shall be intermediate grade deformed bars with deformations conforming to A.S.T.M. Specifications.
3. All bar bends shall conform to the A.S.T.M. for standard practice.
4. Minimum concrete cover over reinf. bars shall be 3" clear in the faces of bottom slab against earth, 2" on all wall faces and top and bottom slab, & top slab.
5. Coarse aggregate shall not exceed 1" maximum in size.
6. All bolts shall be corrosion resistant.
7. The Contractor shall determine the position of and shall provide, for all bolts, hooks, conduits, and all other recessed steel accessories during construction of structure which are embedded in the walls or slabs and not shown in the details.
8. Conduits which penetrate the walls or slab of structure shall be cast in place, or a properly located section shall be boxed out during construction in either case reinforcing steel shall be bent around the conduits or boxed out sections.
9. No vertical construction joints in walls and slabs shall be allowed unless approved by the County Engineer.
10. Backfilling around the station shall be compacted to not less than 90% compaction at optimum moisture content
11. Electrical service shall be an under ground feed.
12. All pipes shall be securely fastened to the walls per pipe support detail.
13. All overload protection for Electrical equipment shall be provided through circuit breakers.
14. Gaskets for flanged joints shall be 1/16 rubber cloth inserted full face and punched.

ITEM	REQ.	
34	2	120 V, 100 H, Wall mounted explosion proof fixture. Complete with guard and lamp. Crouse-Hinds Cat. No EVBX 140
35	1	Explosion proof Junction box with sealing Cover. Crouse-Hinds Cat. No GUAD 14, and GUAD 4 Sealing cover. Install CHICO Sealing compound.
36	2	Canoflow Pneumatic Control with 4" stroke, Series 50 with 3" Pneral. w/Air Lock Device
37	1	Bilco door type VA special size 2'-6" x 6'-6" clear opening Sargent cylinder door lock B-7745 master keyed U-65714.
38	1	Bilco door type VA special size 2'-6" x 6'-0" Clear opening Sargent cylinder door lock B-7745 master keyed U-65714.
39	1	Bilco door type VA 2'-0" x 2'-0" clear opening Sargent cylinder door lock B-7745 master keyed U-65714.
40	1	Pressure Controller 0"-30" Water
41	2	Barksdale D2T-A333-P2 Switch Locate in CONTROL PANEL
42	1	Healy-Ruff Alte Trol 2 Pump Model 7-240 V Name I inclusive. Locate on 4'
43	1	24"Dia x 48"- AIR TANK - 24"x 96" (48"o.a.) 200# ASME Air Code TANK WITH Necessary Tappings - TOTAL WEIGHT 220 lbs (1/3 of PREVIOUS WATER TANK WITH Loaded TANK) Use EXISTING HANGERS.
44	1	WATTS PRESSURE REGULATOR - Model No 152 AR - 1/2"





ITEM.	REQ.	DESCRIPTION
1.	2	Lift Pump 260 G.P.M. @ 100 ft T.D.H. Namco "Torque-Flow" model 4" E.V.P. Vertical pedestal mounted Pump complete with 20 H.P. 1750 R.P.M. 240 V, 3 ϕ 60 cycle drip-proof encapsulated motor, Eaton "Van-Draulic" hydraulic coupling, Model 1183-VP and Eaton constant level control system Model P-102144 for controling hydraulic coupling.
2	2	6" Flexible Pipe connection.
3	2	6"x4" Class 125# cast-iron eccentric reducer
4	2	4"-125# Am. Std. Iron-body, double disc, non-rising stem Gate Valve, Kennedy Valve Co. model 561x.
5	2	6"x4" Class 125# Cast-iron reducing Long Radius 90° base Elbow.
6	2	6"-125# Am. Std. Cast-iron Swing Check Valve with outside lever and weight all iron construct. Kennedy Valve Co. model 106-LN.
7	2	6"-125# Am. Std. Iron-body, double disc, non-rising stem Gate Valve. Kennedy Valve Co. model 561x.
8	2	6" Class 125# Cast-iron flanged tee.
9	2	6"-125# Am. Std. Iron-body, double disc, non-rising Stem Gate Valve - Mechanicol Joint ends. Kennedy Valve Co. Model 571x.
10	1	6" Class 250 Mechanical Joint, plain end, Mechanical Joint tee, cement lined
11	2	Three piece extention Valve box. Kennedy Valve Co. Model 121.
12	1	Pre-cast Concrete Water box with locking Cover.
13	2	6"-125# Am. Std. Blind flange.
14	1	Buffalo "Baby" Vent fan type "C", 1/6 H.P, 120 V 1 ϕ 60 cycle explosion proof motor, non sparking aluminum wheel capacity 410 C.F.M. at 1/4" S.P.
15	1	Yeomens Drain-Dri, Model D-20V-1/6 H.P. 10 GPM. 16 T.D.H. 120 V 1ϕ 60 Cycles explosion proof Motor, unit shall be complete with self contained flood switch and diving bell.
16	1	Reciprocating Quincy - Essex Model D-230-E with dual controls for continuous operation by unloader or on-off by pressure switch. Capacity 16.25 C.F.M. at 150 psig with belt guard and 3 H.P. drip-proof 220/440 Motor & 4 inch valve on common base. 36C x 183/4 - N.
19	1	1 1/4"-150 lb. bronze wedge disc Gate Valve screwed ends. Kennedy Valve Co. Fig. 80
20	2	3/4"-150 lb. bronze wedge disc Gate Valve screwed ends. Kennedy Valve Co. Fig. 80
21	3	1/2"-150 lb. bronze wedge disc Gate Valve screwed ends. Kennedy Valve Co. Fig. 80
23	3	3/4"-150 lb. bronze wedge disc Gate Valve, screwed ends. Kennedy Valve Co. Fig. 80
25	1	3/4"-150 lb. bronze swing check Valve. screwed ends. Kennedy Valve Co. Fig. 442
26	1	1 1/4"-" " Wedge disc G.V. " " " " " " 80
27	1	1 1/4"-" " swing check valve " " " " " " 442
28	1	3/4"-" " " " " " " " " " " " "
29	1	120/240 V, 1 ϕ Metering and distribution section and 240 V, 3 ϕ metering, distribution and control section. (See Specifications)
30	1	120 V. 20 A. D.P.S.T. Switch in vapor tight enclosure Switch to activate lights (CKT #2) when door is opened. Install switch on opposite side of hinges.
31	3	120 V, 100 H. Wall mounted vapor tight fixture complete with guard, Junction box and lamp Crouse-Hinds Cat. No VXHBF 25 G.P.
32	1	Purge Rotameter 58-G-056-MI Bubbler Meter (LOCATED INSTALLED OUTSIDE PUMP HOUSING STRUCTURE)
33	2	120 V, SPST manual motor starter complete with overload relays and vapor tight enclosure.

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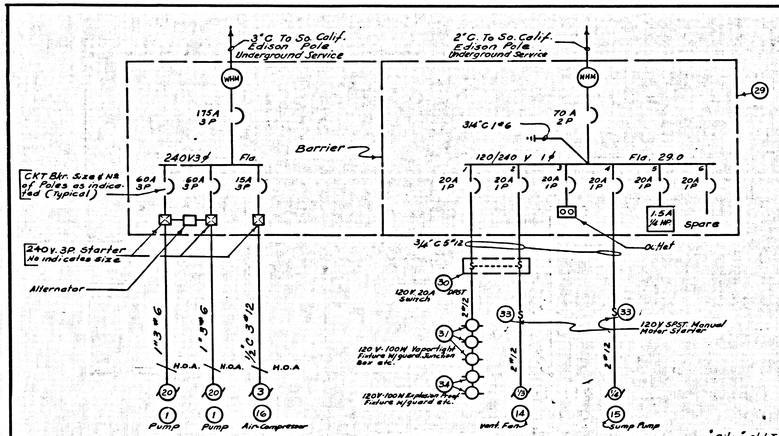
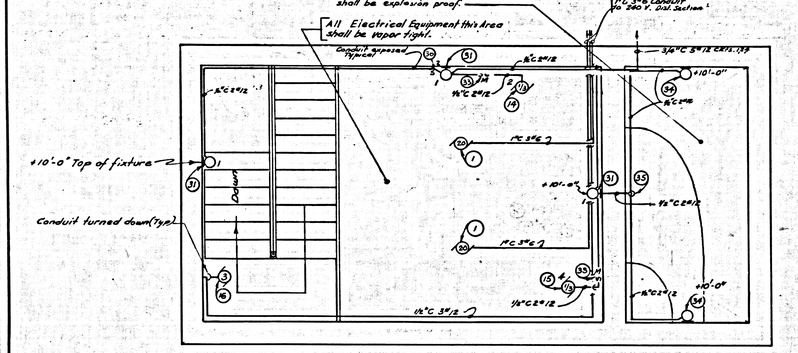
COUNTY OF LOS ANGELES, CALIFORNIA
STRUCTURE DETAILS AND EQUIPMENT LIST
P.C. 7407-B

DATE :	SCALE :	PAGE 5 OF 6 PAGES



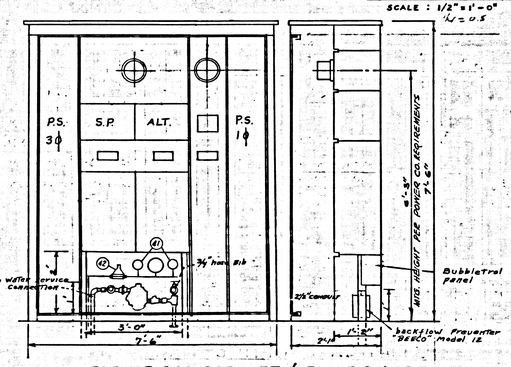
ELECTRICAL SINGLE LINE DIAGRAM

NOT TO SCALE

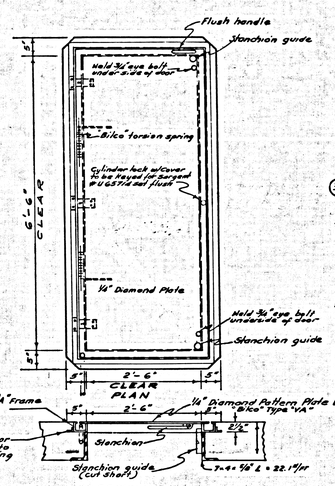


ELECTRICAL PLAN

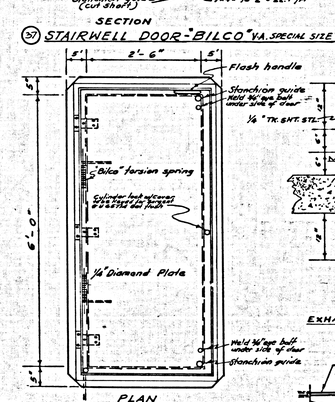
SCALE : 1/2" = 1'-0"



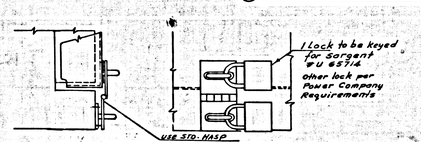
ELECTRICAL CABINET & BACKFLOW PREVENTER



(37) STAIRWELL DOOR - "BILCO" V.A. SPECIAL SIZE

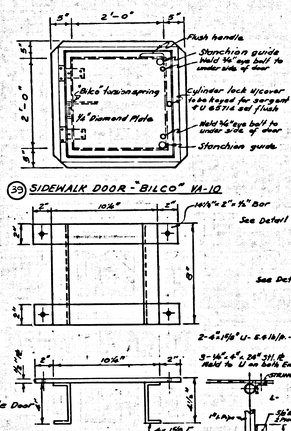


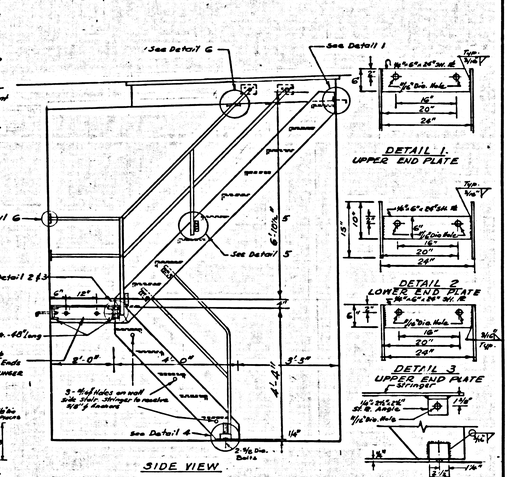
(38) SIDEWALK DOOR - "BILCO" V.A. SPECIAL SIZE

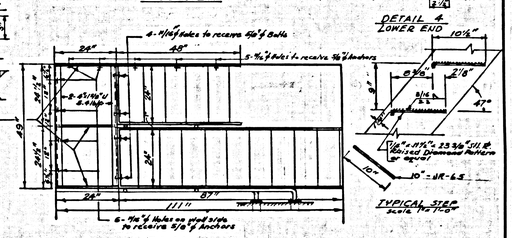


GENERAL NOTES:

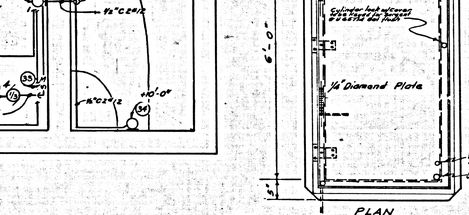
1. ELECTRICAL CABINET SQUARE "D" COMPANY OR EQUAL-WEATHERPROOF
2. SERVICE CONDUITS, METERS AND OTHER INSTALLATIONS, SHALL BE INSTALLED IN ACCORDANCE WITH PIPE SERVING COMPANY REQUIREMENTS.
3. ALL DIMENSIONS FOR STAIR AND RAILING SHALL BE FIELD CHECKED AFTER FORMS HAVE BEEN REMOVED FROM THE STRUCTURE.
4. STAIR AND RAILING SHALL BE HOT DIPPED GALVANIZED AFTER ASSEMBLY AND TOUCH-UP GALVANIZED AFTER INSTALLATION.
5. NO PARTS OF THE EQUIPMENT AND ACCESS DOORS SHALL PROJECT ABOVE THE TOP OF SLAB, DEPRESSIONS OR GAPS WHICH WOULD CAUSE PASSING PUBLIC TO STUMBLE OR FALL NOT BE PERMITTED.
6. EQUIPMENT AND ACCESS DOOR INCLUDING ACCESSORIES SHALL BE HOT DIPPED GALVANIZED.

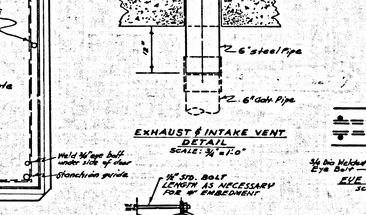


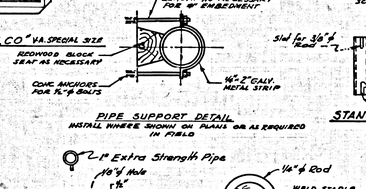


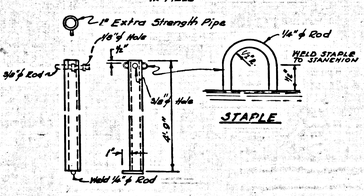


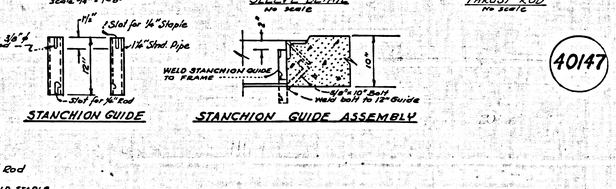
STAIR AND HANDRAIL DETAILS











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COUNTY OF LOS ANGELES, CALIFORNIA

ELECTRICAL PLAN AND

STAIR DETAILS

P.C. 7407-B

DATE :	SCALE :	PAGE 6 OF 6 PAGES