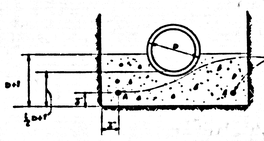
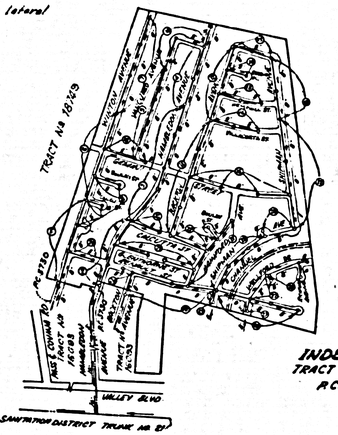
Note:
Private engineer to furnish House Lateral depth at property line below top of curb elev. or elev of ℄ of Street for each house lateral on the grade sheet.



DETAIL
SPECIAL CRADLE FOR SEWERS IN FILLED AREAS



INDEX MAP
TRACT NO. 22332
P.C. 3958

SCALE 1"=600'

DOUBLE SCALE

PUENTE BLDG. DIST. NO. 2

NOTE:
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 LAYOUT ANY PORTION OF THE WORK.
3. THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATION FOR ALL HOUSE LATERALS AND Y BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY MARKED. ANY CHANGE IN LOCATION SHALL BE REQUESTED IN WRITING BY THE OWNER OR HIS REPRESENTATIVE.
4. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER
5. USE STANDARD MANHOLE FRAMES AND COVERS, S-A-117, EXCEPT AS NOTED.
6. USE STANDARD STRENGTH PIPE EXCEPT AS NOTED.
7. USE CEMENT MORTAR FOR ALL VITRIFIED CLAY PIPE JOINTS, EXCEPT AS NOTED.
8. RESURFACE ALL TRENCH WITHIN PAVED AREA TO MEET L. A. COUNTY ROAD DEPT., OR CALIF. STATE HIGHWAY DEPT. REQUIREMENTS IN ACCORDANCE WITH PERMITS.
9. ENCASE FOUR FEET OF SEWER AT POINTS OF INTERFERENCE WITH POLES, S-A-170
10. HOUSE LATERALS TO BE CONSTRUCTED WITH DIVERTS AT PROPERTY LINE ___6___ FEET BELOW CURB GRADE EXCEPT AS NOTED
11. ALL STRUCTURES SHALL BE BRICK SEWER STRUCTURES, S-A-104, EXCEPT AS NOTED.
12. FOR ALLOWABLE LEAKAGE TEST USE FORMULA NO _____4_____ SPEC'S., SEC. 33
13. MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE 6" ABOVE FINISHED GRADE

10.(a) NO CONSTRUCTION WILL BE PERMITTED IN FILLED AREAS UNLESS ACCEPTABLE CERTIFICATION AS SUBMITTED TO THE CONSTRUCTION DIVISION OF THE COUNTY ENGINEERS DEPARTMENT THAT COMPACTION IS GREATER THAN 90%.
(b) IF COMPACTION IS LESS THAN 90%, THE SEWER MUST BE CRADLED AS SHOWN ON PLAN. (SEE DETAIL)
(c) IF COMPACTION IS GREATER THAN 90%, CRADLING IS NOT REQUIRED. HOWEVER, 1:2 COMPOUND MUST BE SUBSTITUTED FOR CEMENT MORTAR FOR ALL JOINTS IN FILLED AREAS.

8. FIGURES IN CIRCLES INDICATE DEPTH IN FEET BELOW CURB AT PROPERTY LINE (7)

B.M. S.G. 1879
SET L.S.B.M. IN INCTR. OF CURB RET. AT SERVICE RD. I&I AND ℄ RETAMULT ST.
145' E. OF PASS & CONJAN RD.
1356 A.D.D. ELEV. 456.465.

NO CHARGE FOR CONNECTIONS
4-19-56

Revision Approved: Road Grades & Inverts
P.E. Kuhn 6-19-56
Office of the County Engineer
Reg. C.E. 7860

PROFILE ALIGNMENT AND GRADE OF P.C. 3958
SANITARY SEWERS PAGE 1
TO BE CONSTRUCTED IN
(24,001)
TRACT Nº 22332
(28)
PRIVATE CONTRACT NO. 3958
W.S. 38
16 SHEETS; 28 PAGES
SCALE: 1 INCH = 100 FEET; 1" = 6' HORIZ. APRIL, 1956
PREPARED IN THE OFFICES OF
By Ellsworth J. Epperson
R.E. / C. E. NO. 5618
FOR LEGEND SEE PLAN NO. S-A-64

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 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. MEAN SEA LEVEL DATUM OF 1929
THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS
WORK SHALL BE CONSTRUCTED ACCORDING TO SPECIFICATIONS 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., 108 W. 2ND ST. AND MAKE A DEPOSIT WITH THE COUNTY ENGINEER, ROOM 324 PAN AMERICAN BUILDING, 232 SO. BROADWAY 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 OR 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.

COUNTY OF LOS ANGELES, CALIFORNIA

APPROVED, JOHN A. LAMBIE, COUNTY ENGINEER
BY C. P. Collins
SANITATION ENGINEER
CHECKED BY P.E. Kuhn 4-19-56
OFFICE OF COUNTY ENGINEER, REG. C. E. NO. 7860

APPROVED, A. M. RAWN, CHIEF ENGINEER
CO. SAN. DIST. NO. 21
BY E. P. Bennett for OFFICE ENGINEER

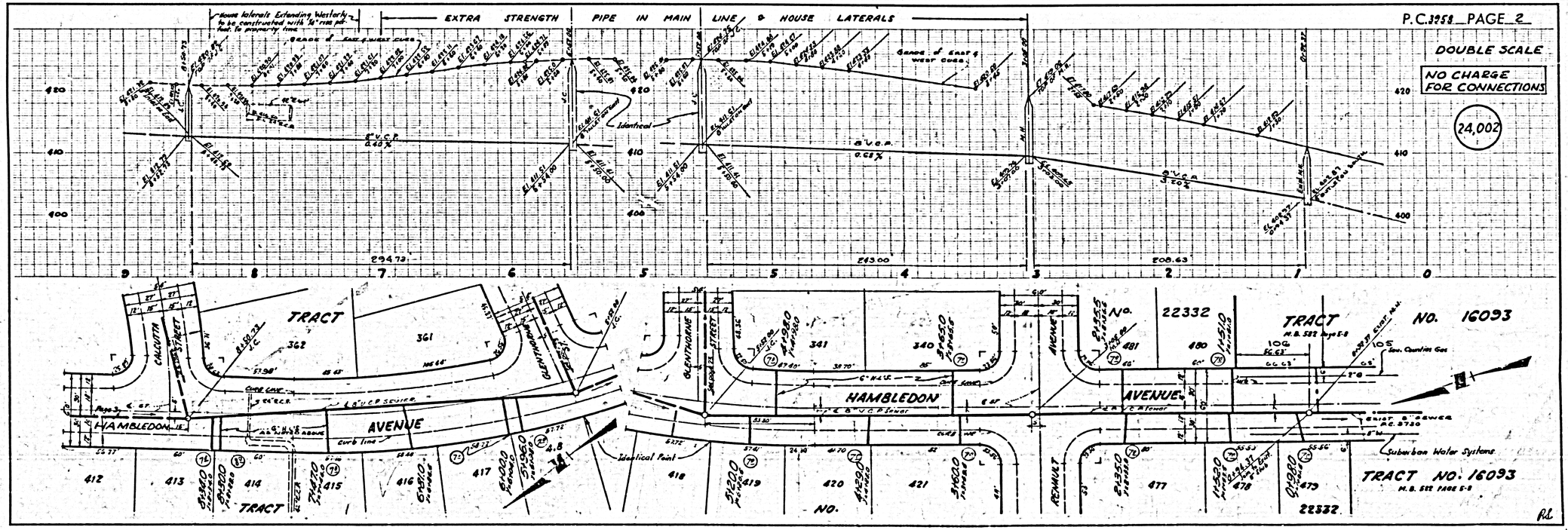
Revised 1-30-57 W Laven

P.C. 3958 PAGE 2

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

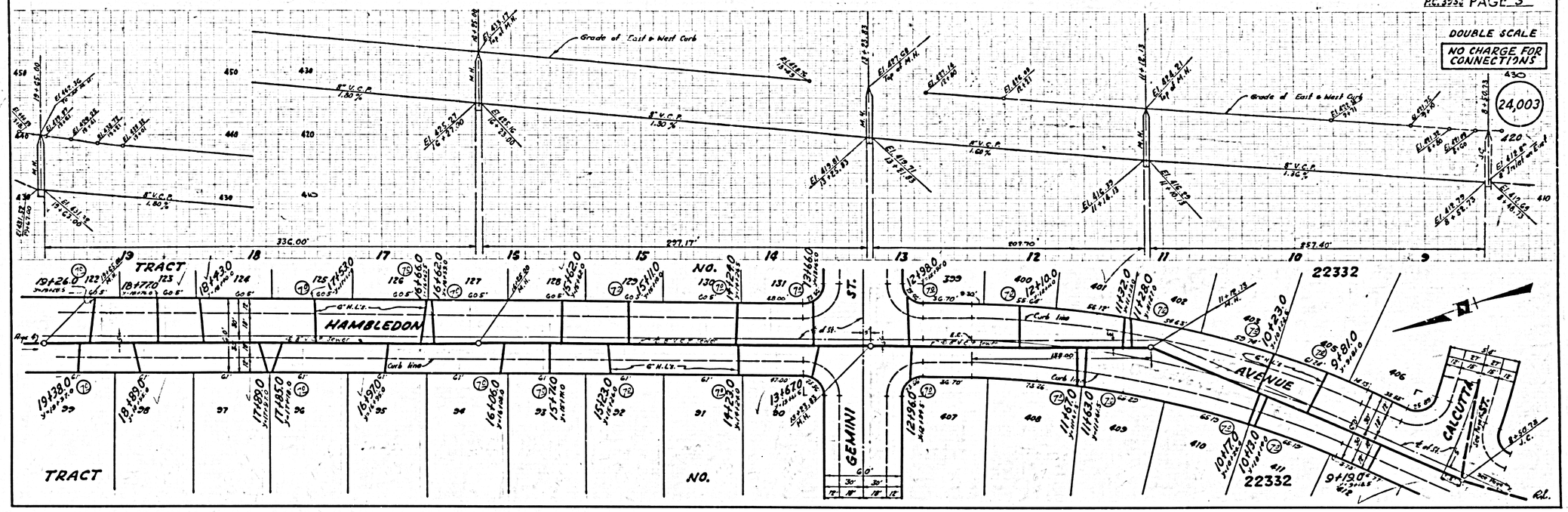
(24,002)



TRACT NO. 22332
P.C. 3958

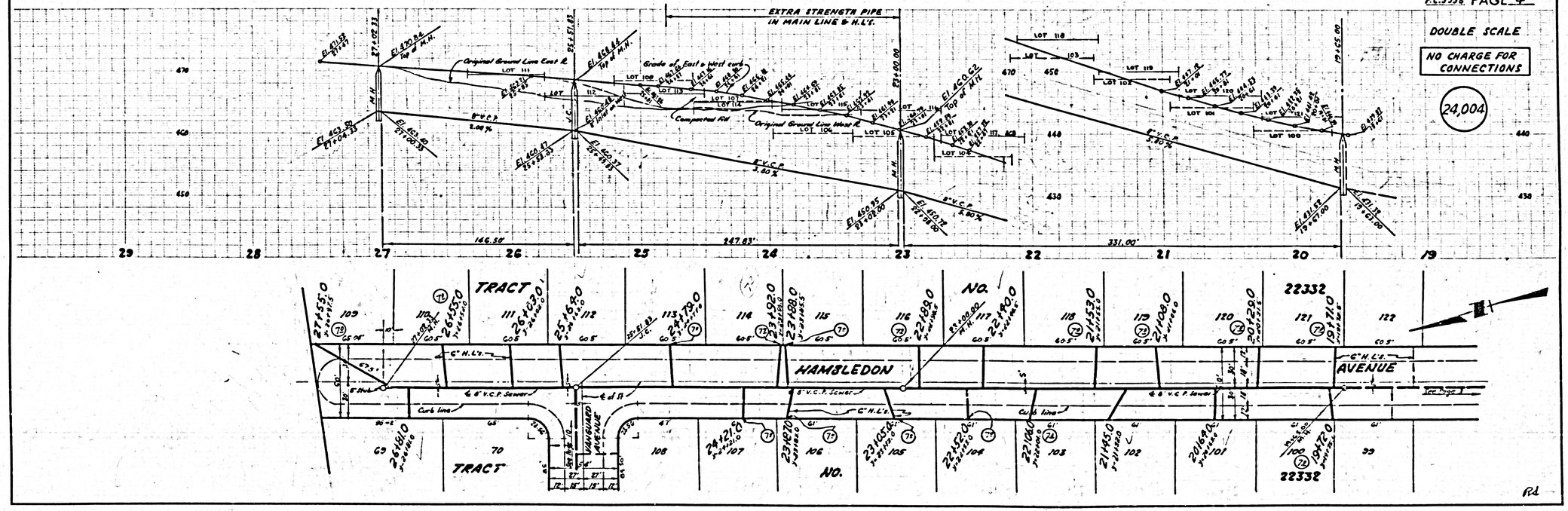
P.C. 3958 PAGE 3

DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
24,003



P.C. 3958 PAGE 4

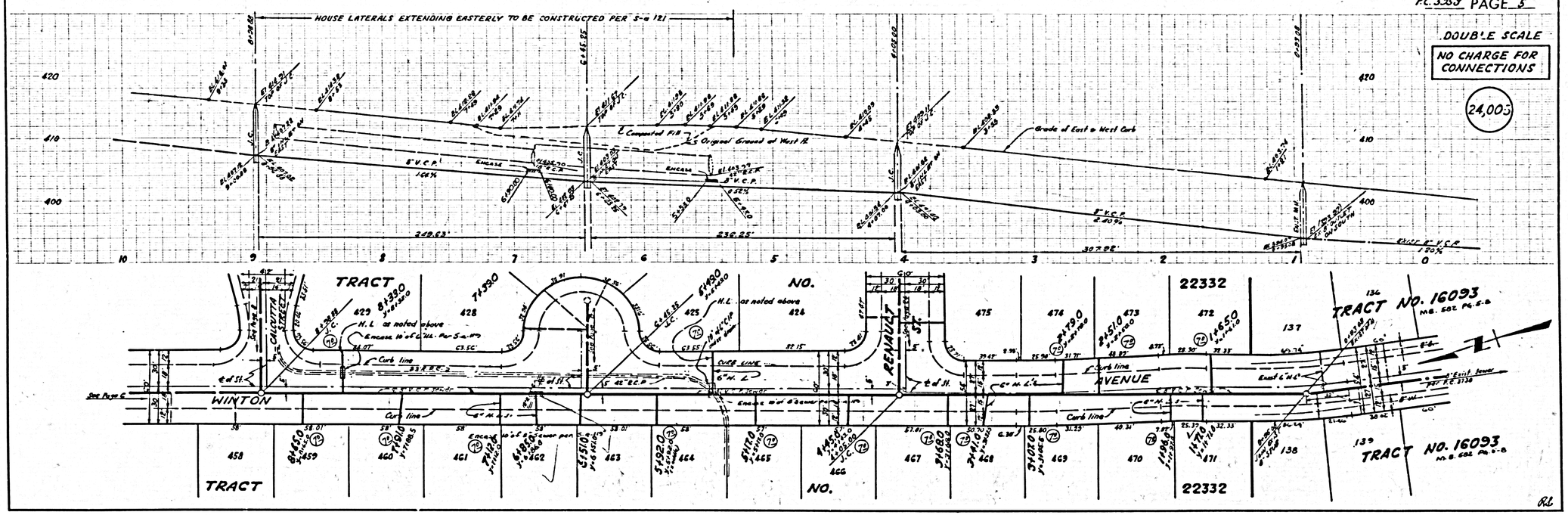
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
24,004



P.C. 3253 PAGE 5

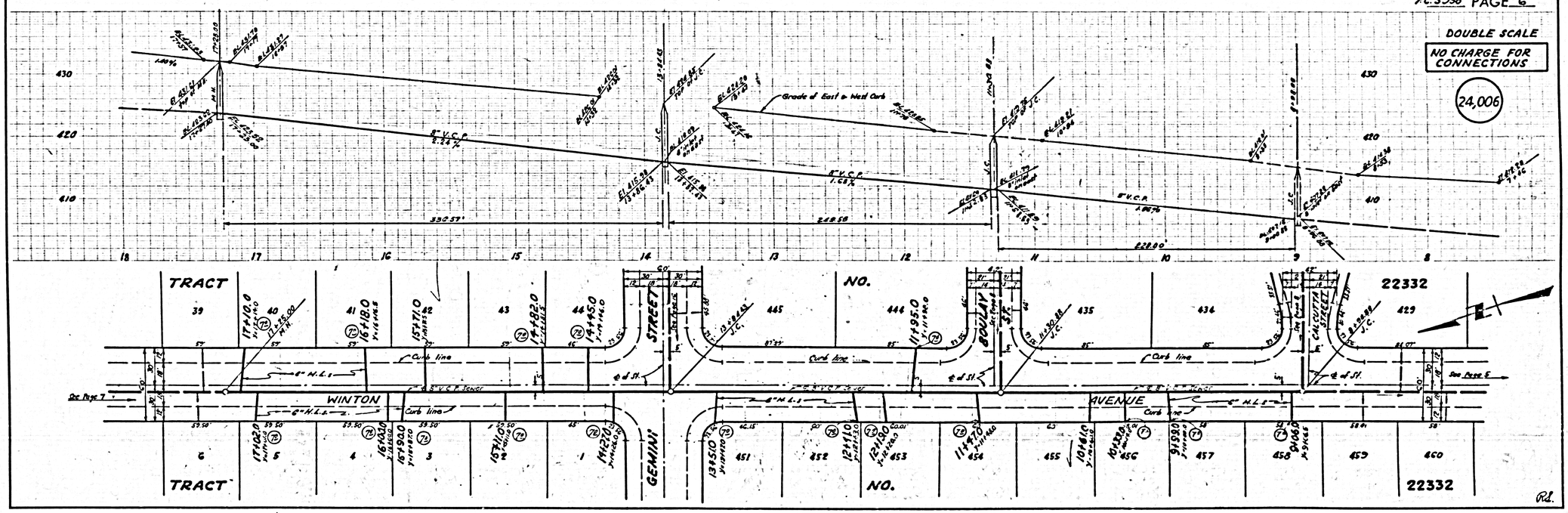
HOUSE LATERALS EXTENDING EASTERLY TO BE CONSTRUCTED PER S-a 121

DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
24,005



P.C. 3258 PAGE 6

DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
24,006

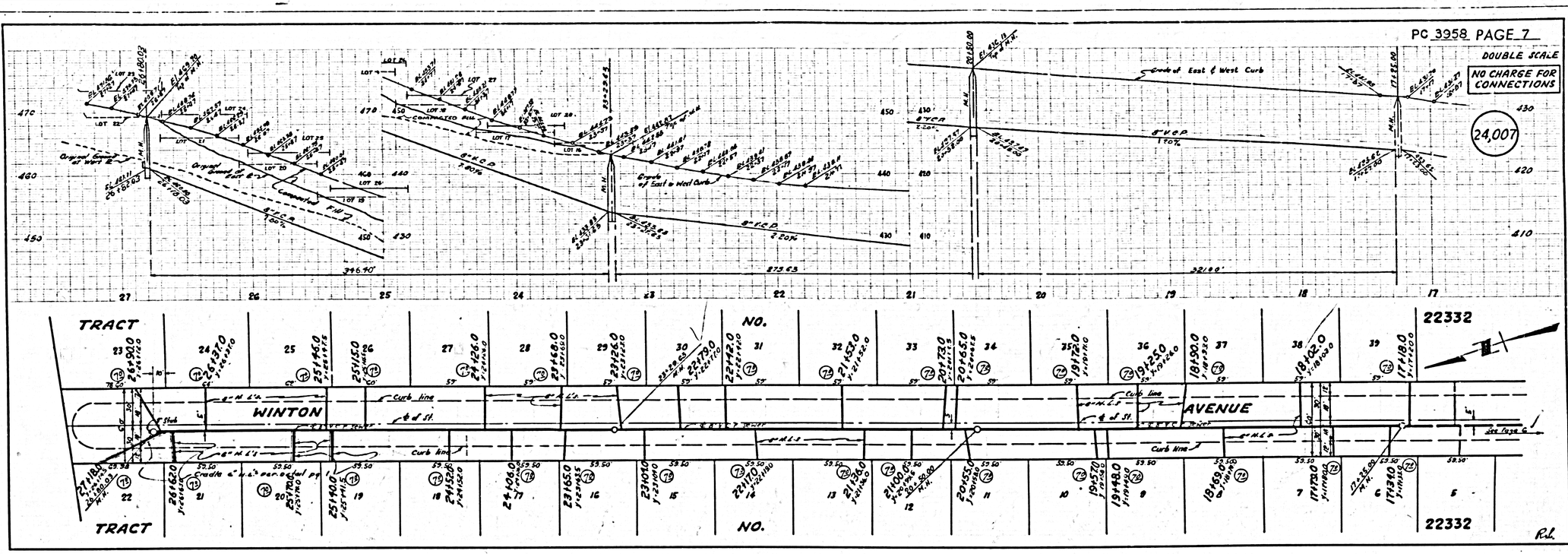


PC 3958 PAGE 7

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

24,007

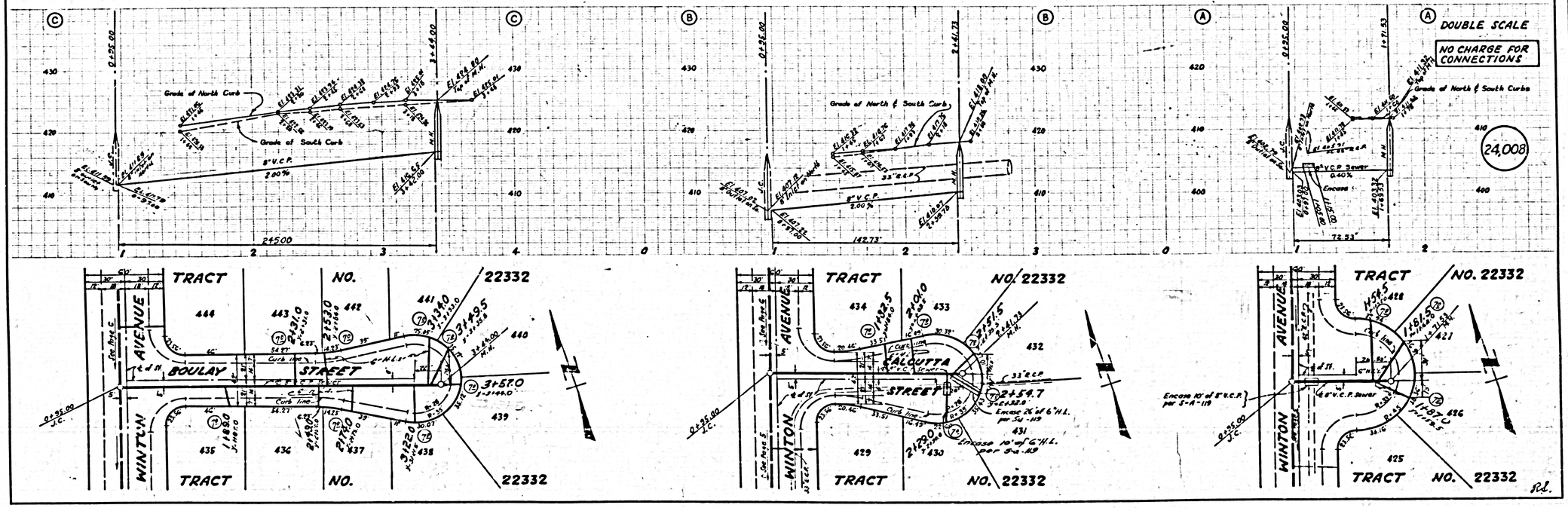


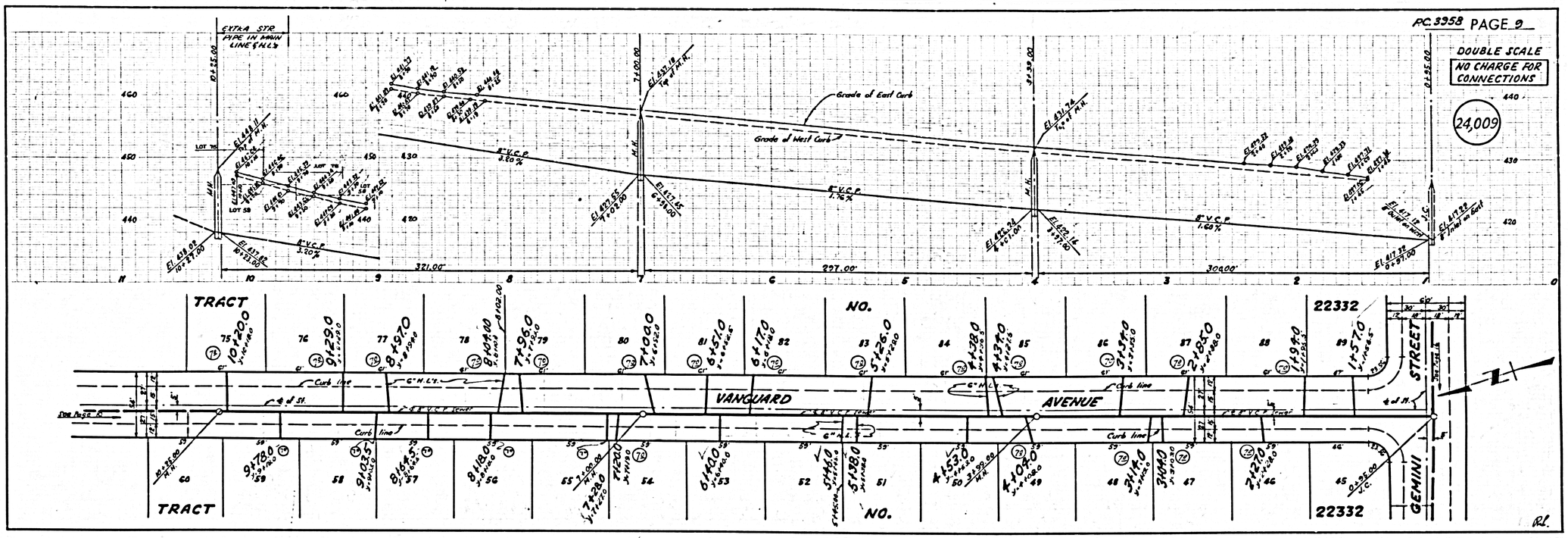
PC 3958 PAGE 8

DOUBLE SCALE

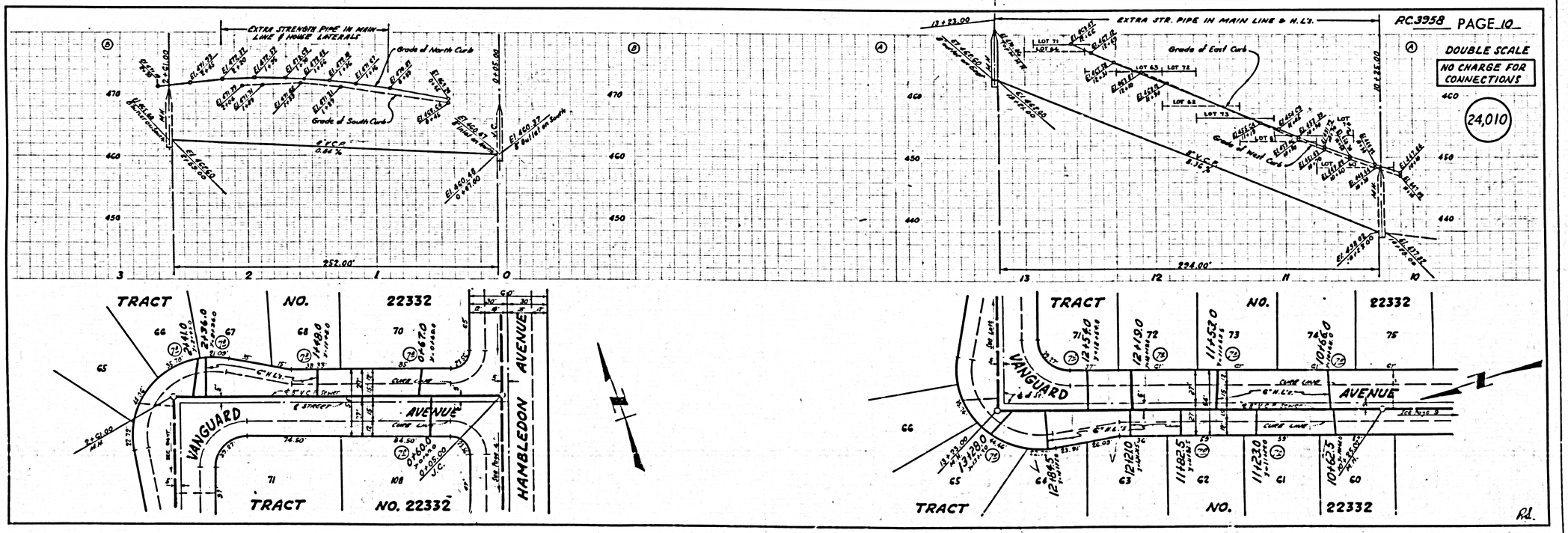
NO CHARGE FOR CONNECTIONS

24,008





P.C. 3958 PAGE 9
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
24,009
EXTRA STR. PIPE IN MAIN LINE & H.L.'s
Grade of East Curb
Grade of West Curb
8" V.C.P. 3.20%
8" V.C.P. 1.76%
8" V.C.P. 1.60%
321.00'
297.00'
300.00'
TRACT
NO.
22332
VANGUARD
AVENUE
GEMINI
STREET
Curb line
6" H.L.'s



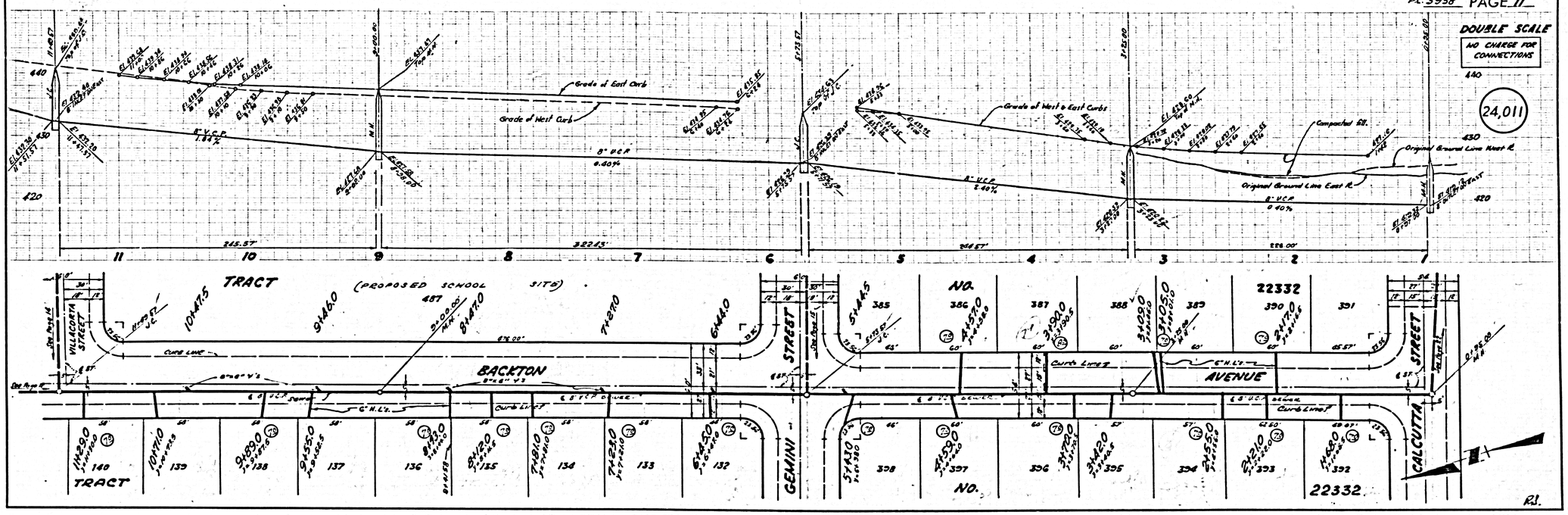
P.C. 3958 PAGE 10
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
24,010
EXTRA STRENGTH PIPE IN MAIN LINE & HOUSE LATERALS
Grade of North Curb
Grade of South Curb
8" V.C.P. 0.84%
252.00'
EXTRA STR. PIPE IN MAIN LINE & H.L.'s
Grade of East Curb
Grade of West Curb
8" V.C.P. 8.36%
294.00'
TRACT
NO.
22332
VANGUARD
AVENUE
HAMBLEDON
AVENUE
Curb line
6" H.L.'s

P.C. 3958 PAGE 11

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

24,011

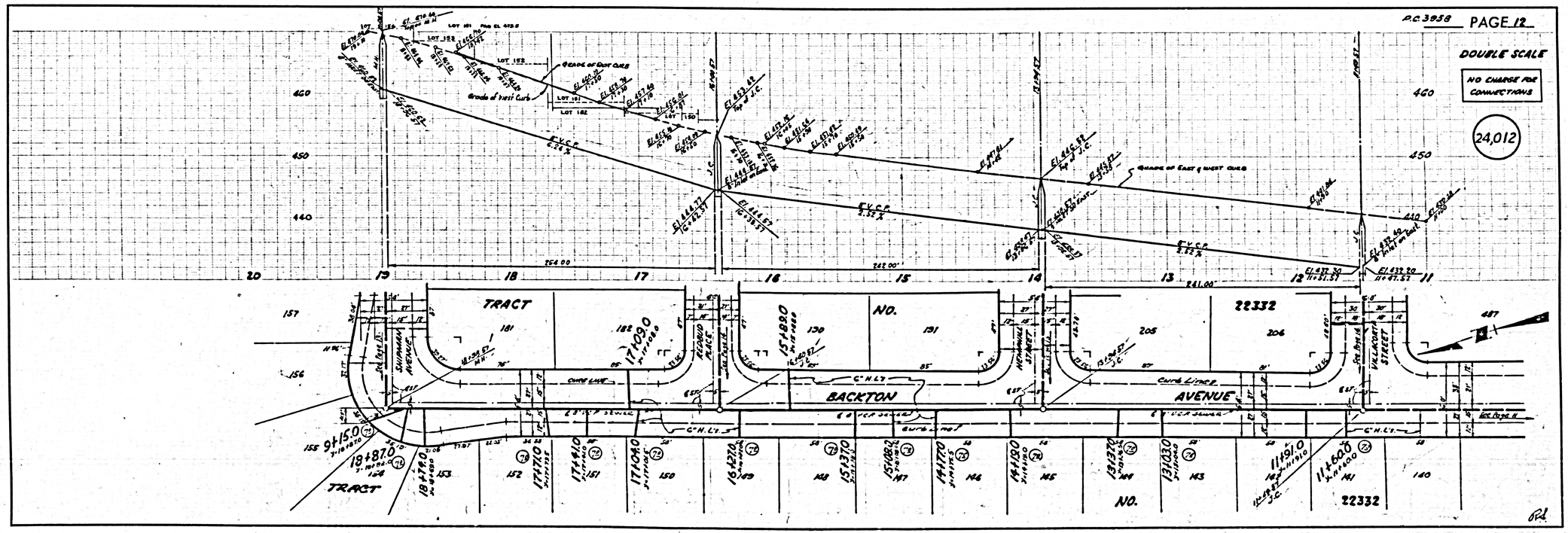


P.C. 3958 PAGE 12

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

24,012

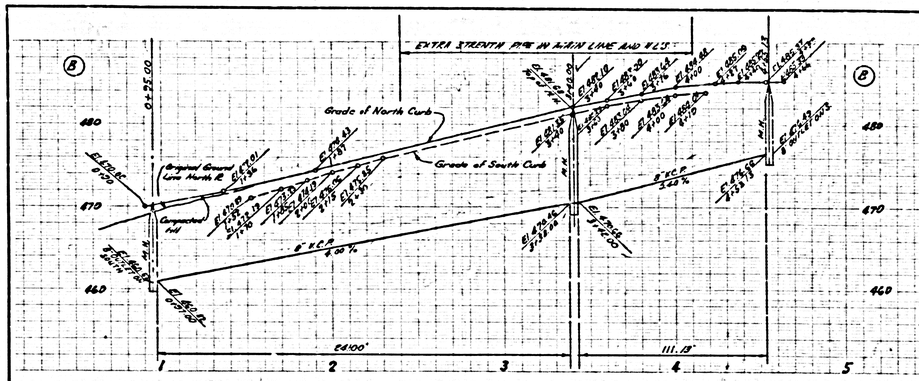


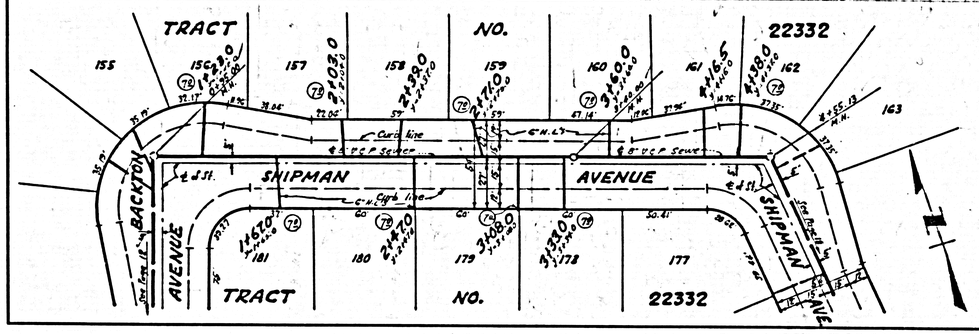
PC. 3958 PAGE 13

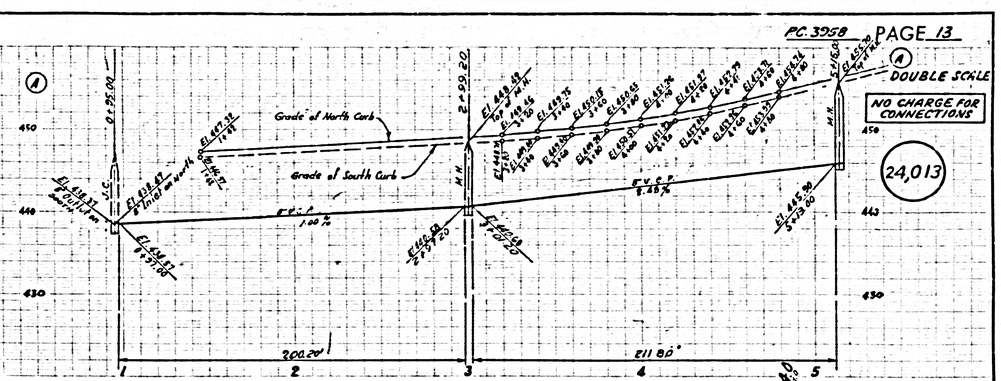
DOUBLE SCALE

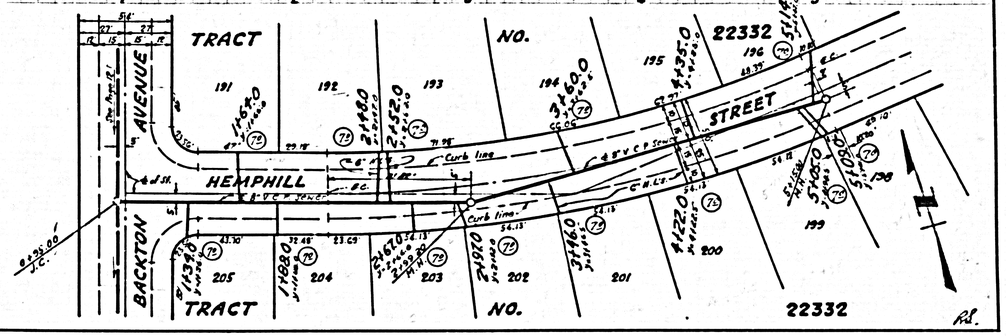
NO CHARGE FOR CONNECTIONS

24,013







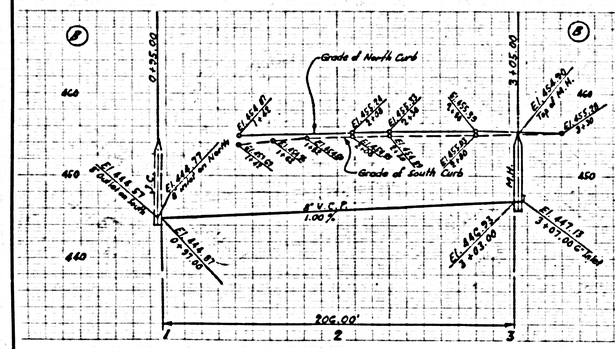


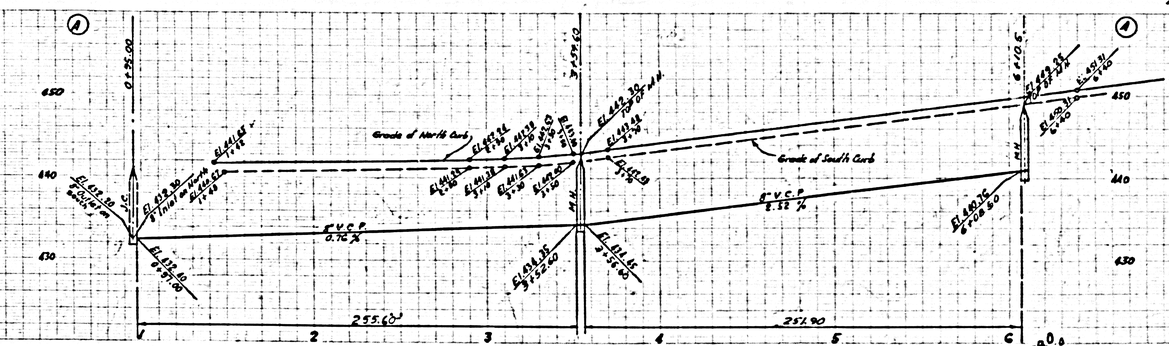
PC. 3958 PAGE 14

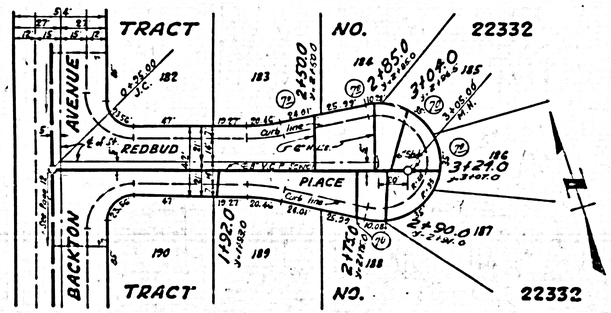
DOUBLE SCALE

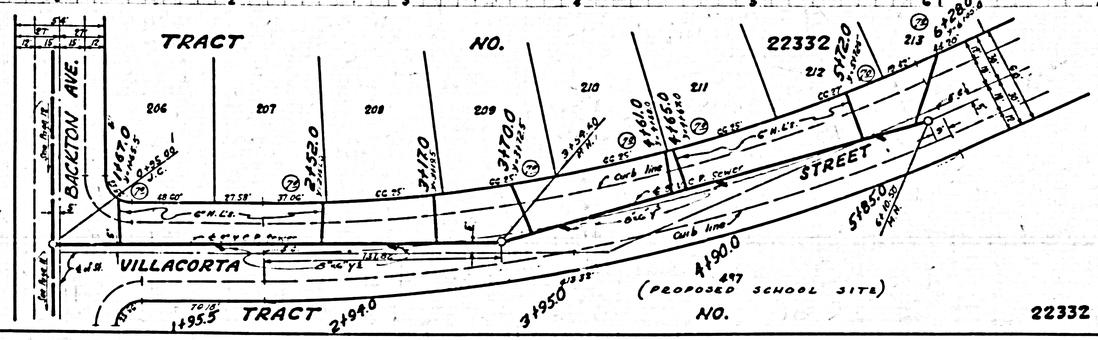
NO CHARGE FOR CONNECTIONS

24,014









P.C.3958 PAGE 15

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

24,015

PROPOSED SCHOOL SITE

TRACT NO. 22332

GEMINI STREET

BAINFORD STREET

BACKTON AVENUE

SHIPMAN AVENUE

P.C.3958 PAGE 16

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

24,016

TRACT NO. 22332

GEMINI STREET

VANGUARD AVENUE

WINTON AVENUE

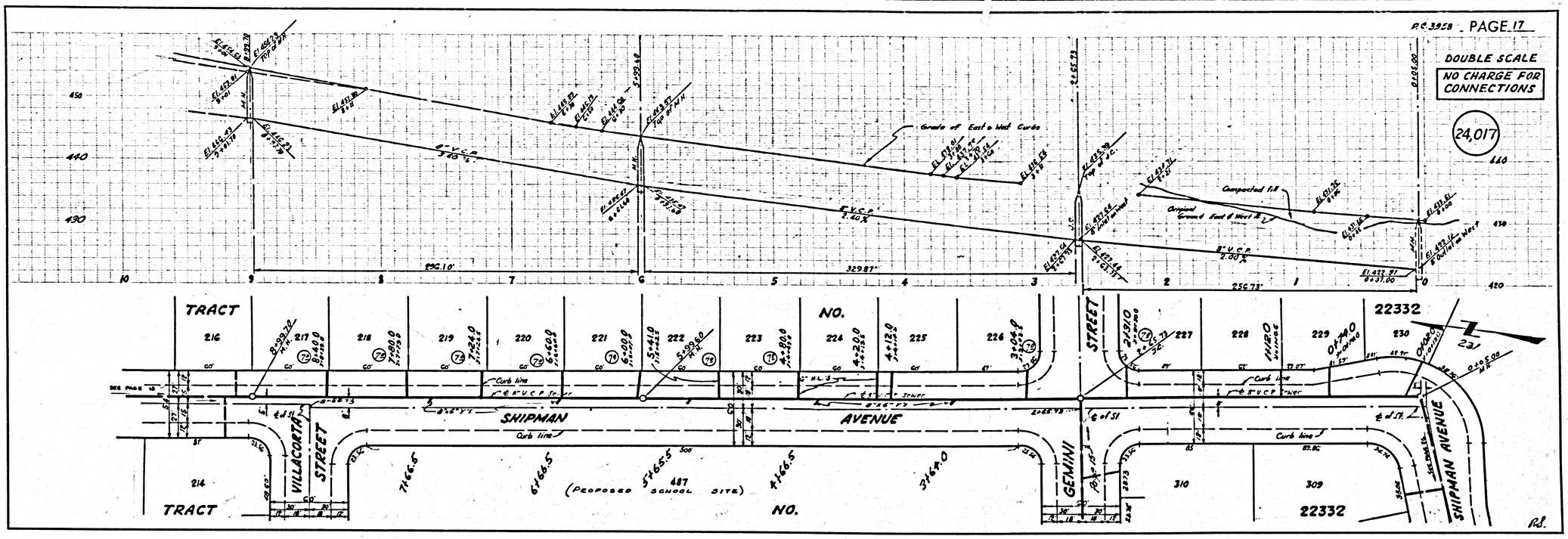
HAMBLEDON AVENUE

CALCUTTA STREET

RC 3958 PAGE 17

DOUBLE SCALE
NO CHARGE FOR CONNECTIONS

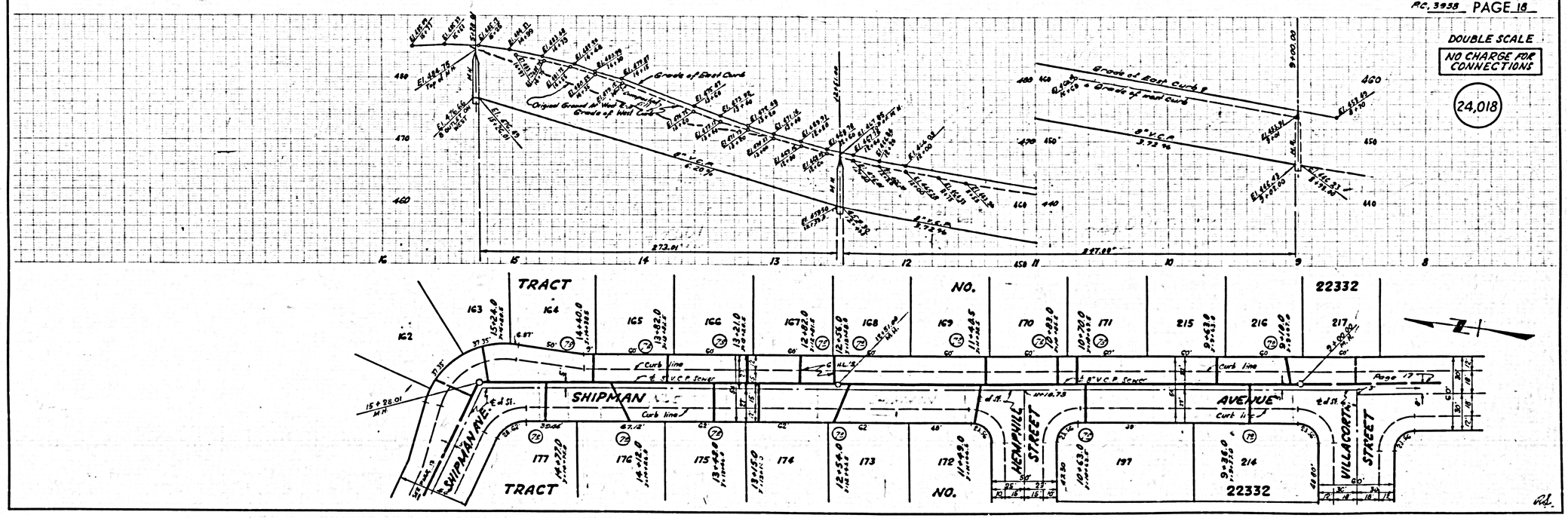
24,017



RC 3958 PAGE 18

DOUBLE SCALE
NO CHARGE FOR CONNECTIONS

24,018



RC.3958 PAGE 19

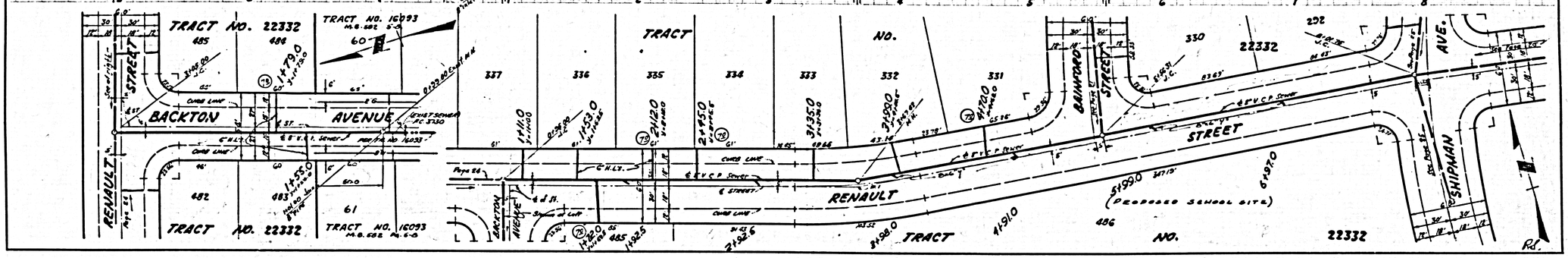
EXTRA STRENGTH PIPE IN MAIN LINE & H.L'S.

EXTRA STRENGTH PIPE IN MAIN LINE & H.L'S.

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

24,019



RC.3958 PAGE 20

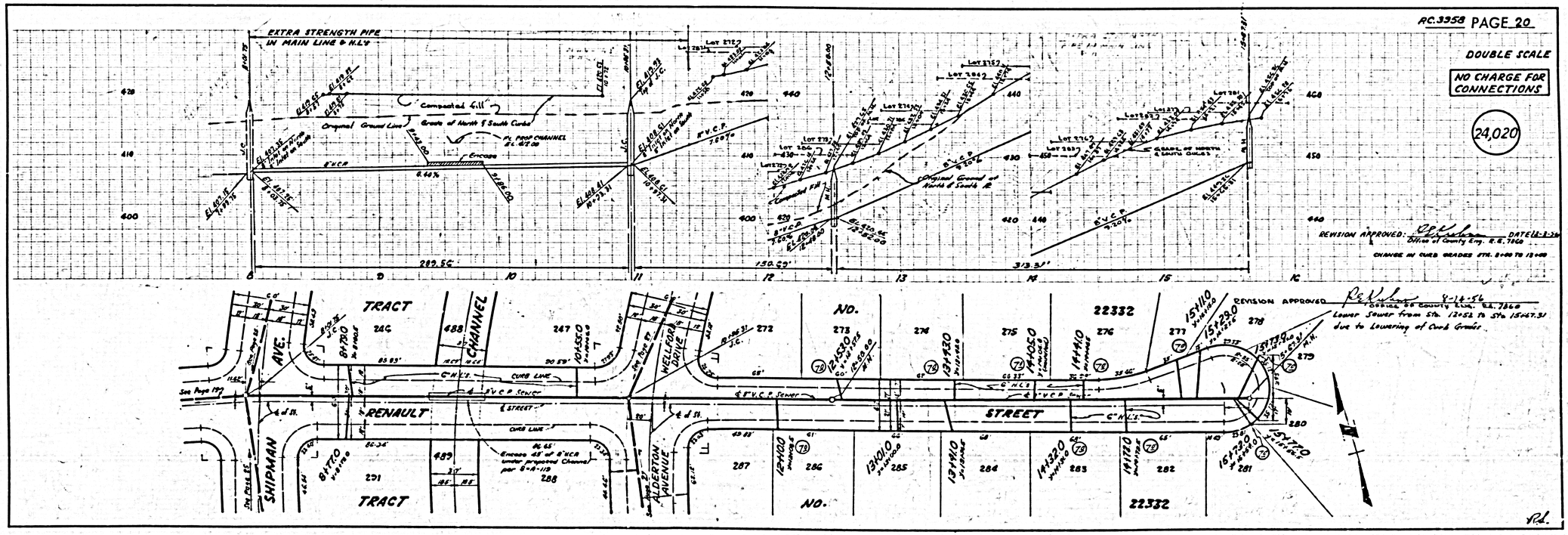
DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

24,020

REVISION APPROVED: [signature] DATE 12-3-56
Office of County Eng. R.E. 7860
CHANGE IN CURB GRADES STA. 8+00 TO 13+00

REVISION APPROVED [signature] 8-14-56
COUNTY OF COUNTY ENG. RE. 7860
Lower Sewer from Sta. 12+52 To Sta 15+47.51
due to Lowering of Curb Grades.



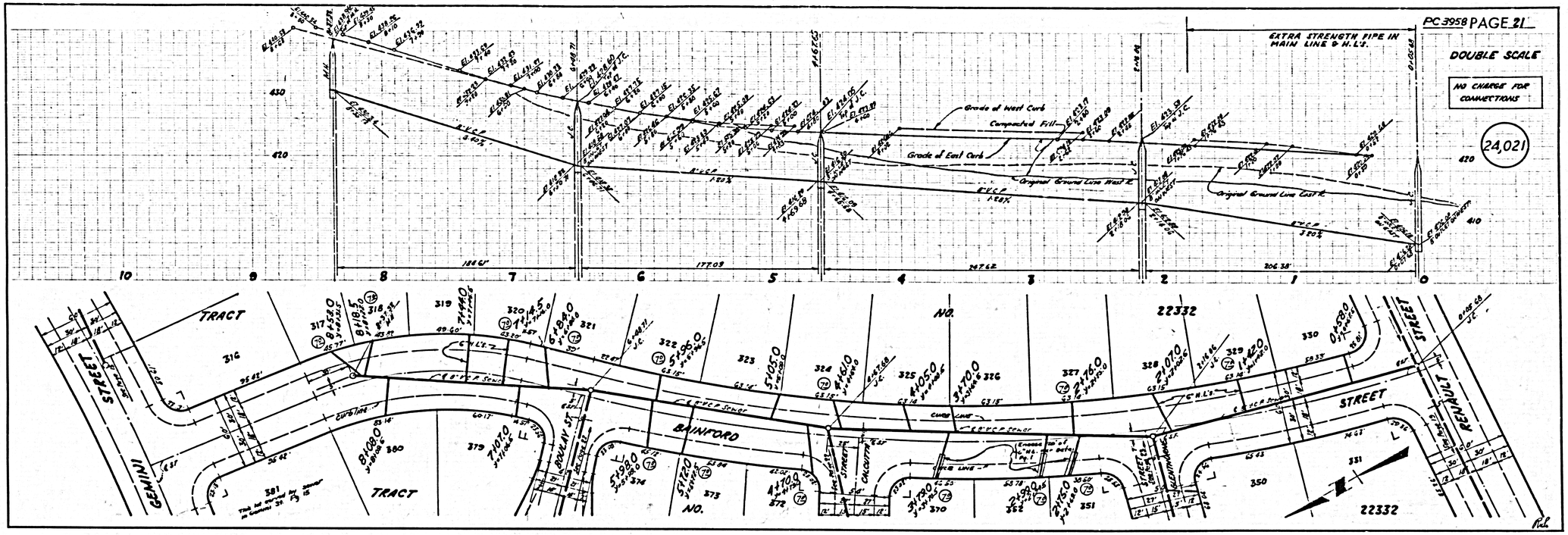
PC 3958 PAGE 21

EXTRA STRENGTH PIPE IN MAIN LINE & W.L.S.

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

24,021

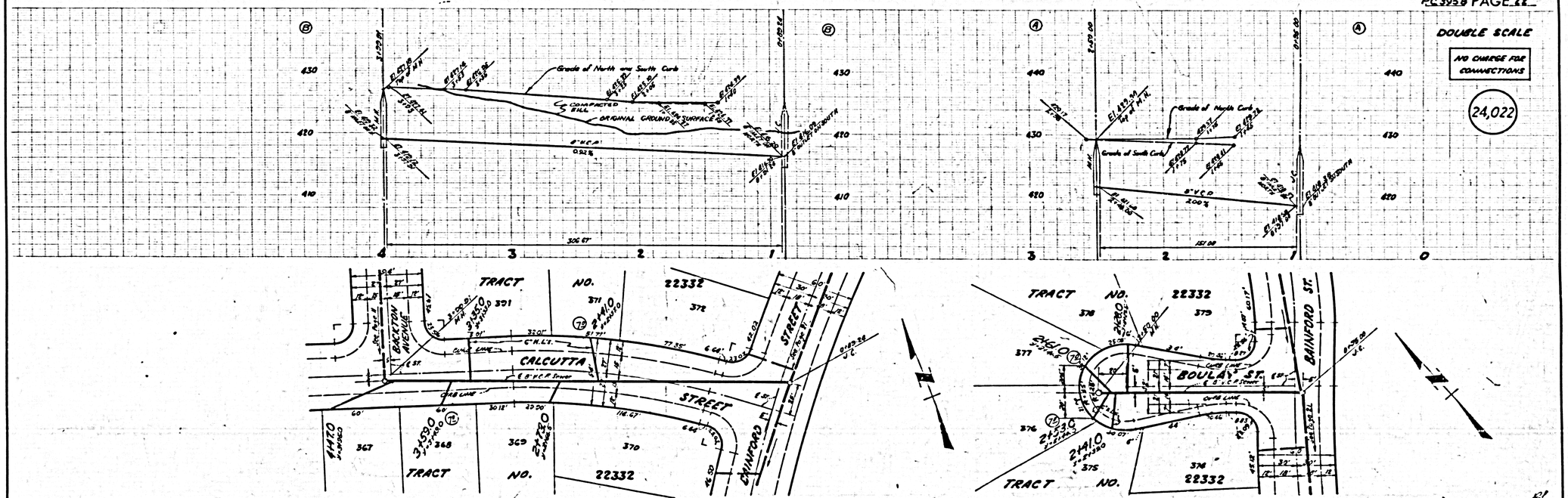


PC 3958 PAGE 22

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

24,022

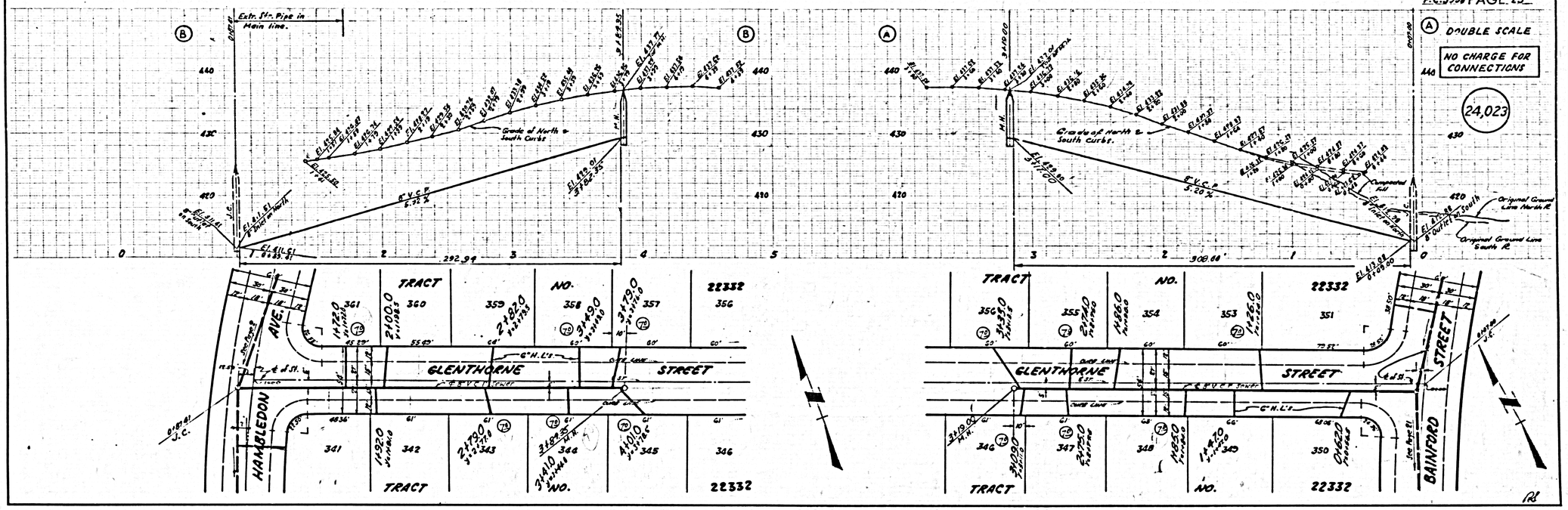


P.C. 3958 PAGE 23

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

24,023

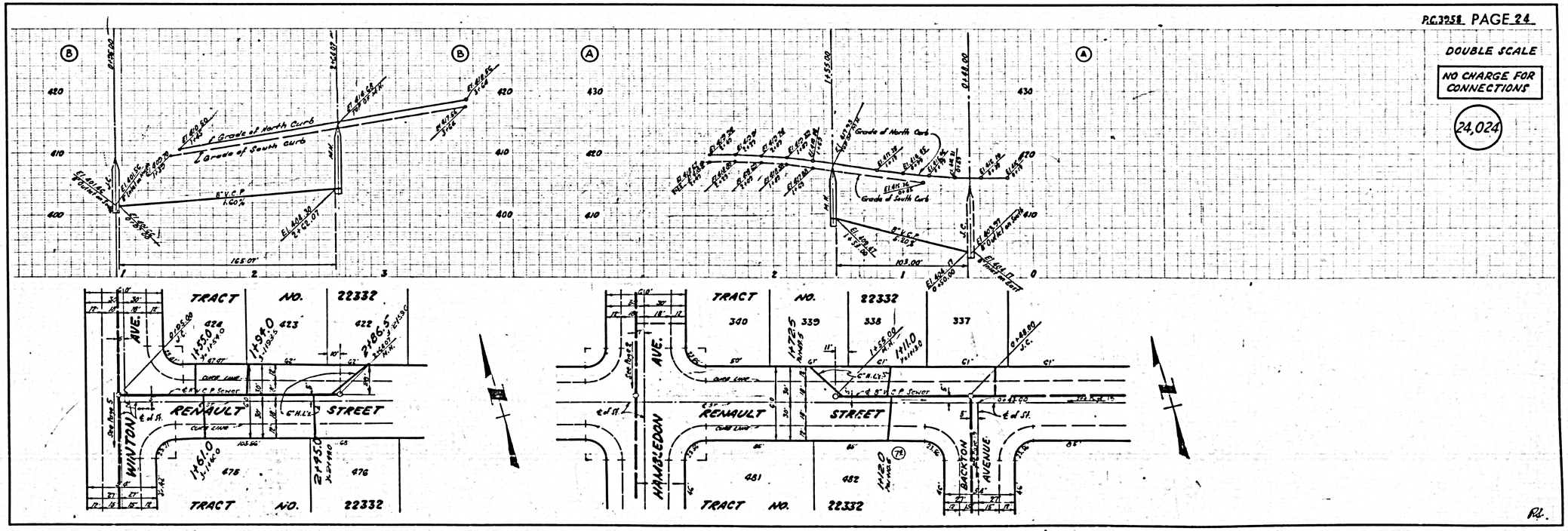


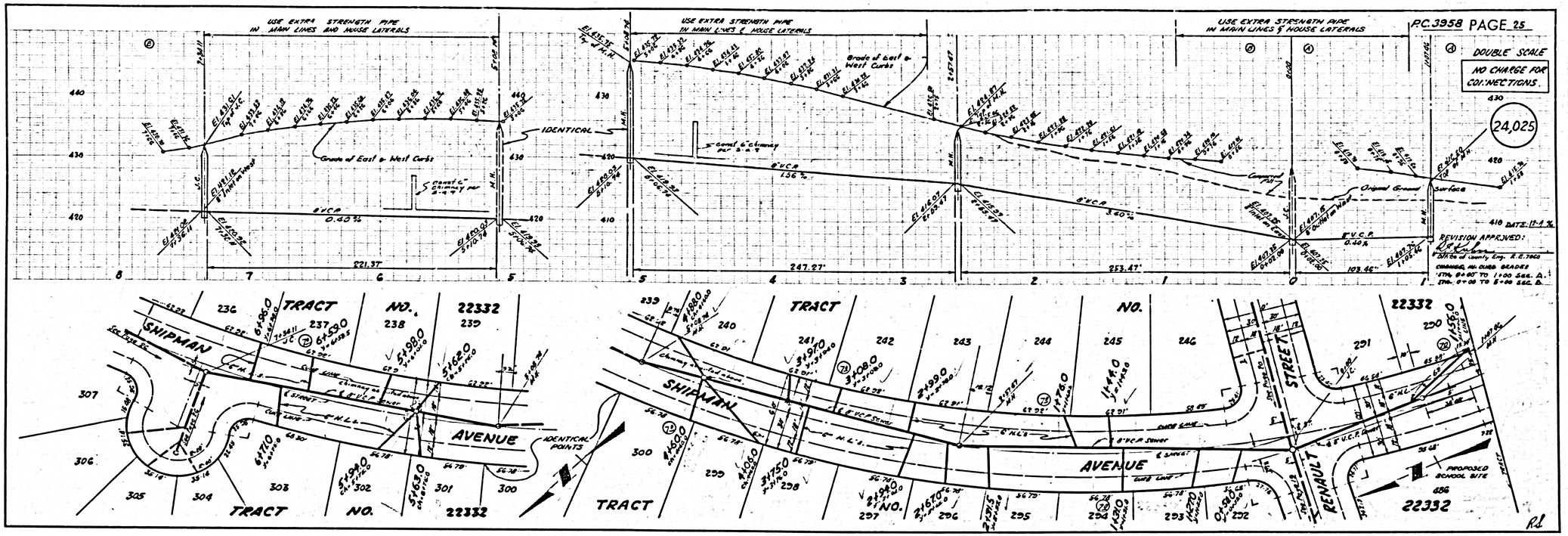
P.C. 3958 PAGE 24

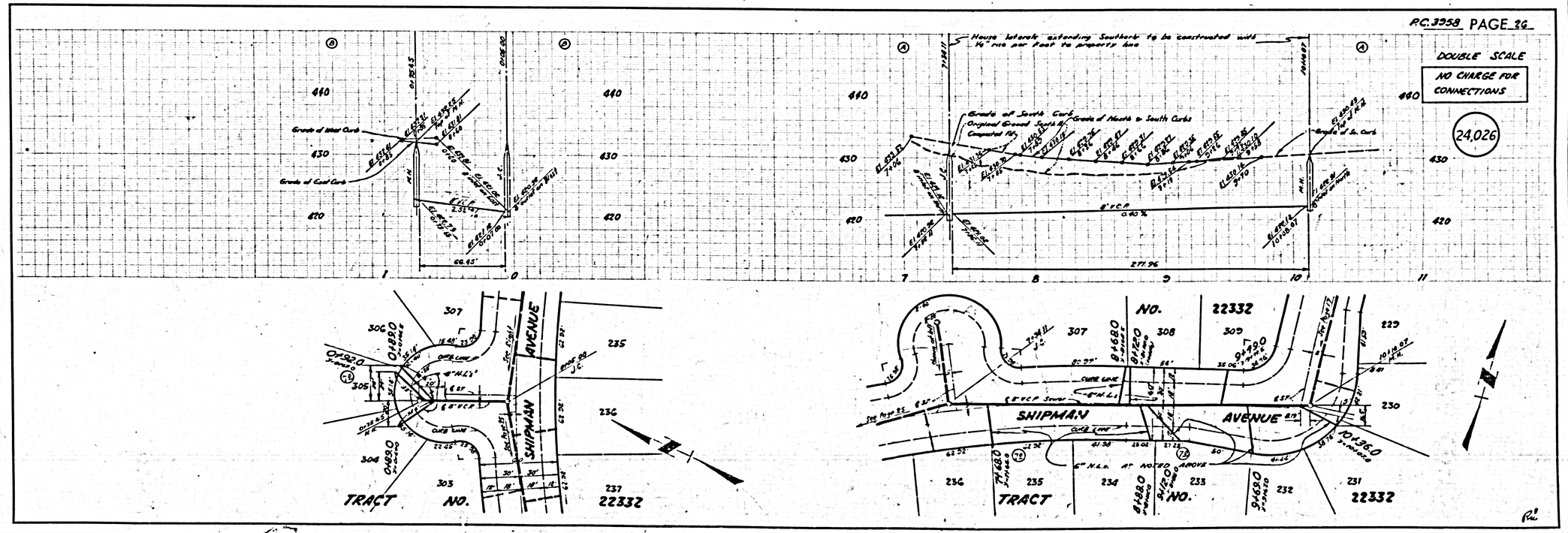
DOUBLE SCALE

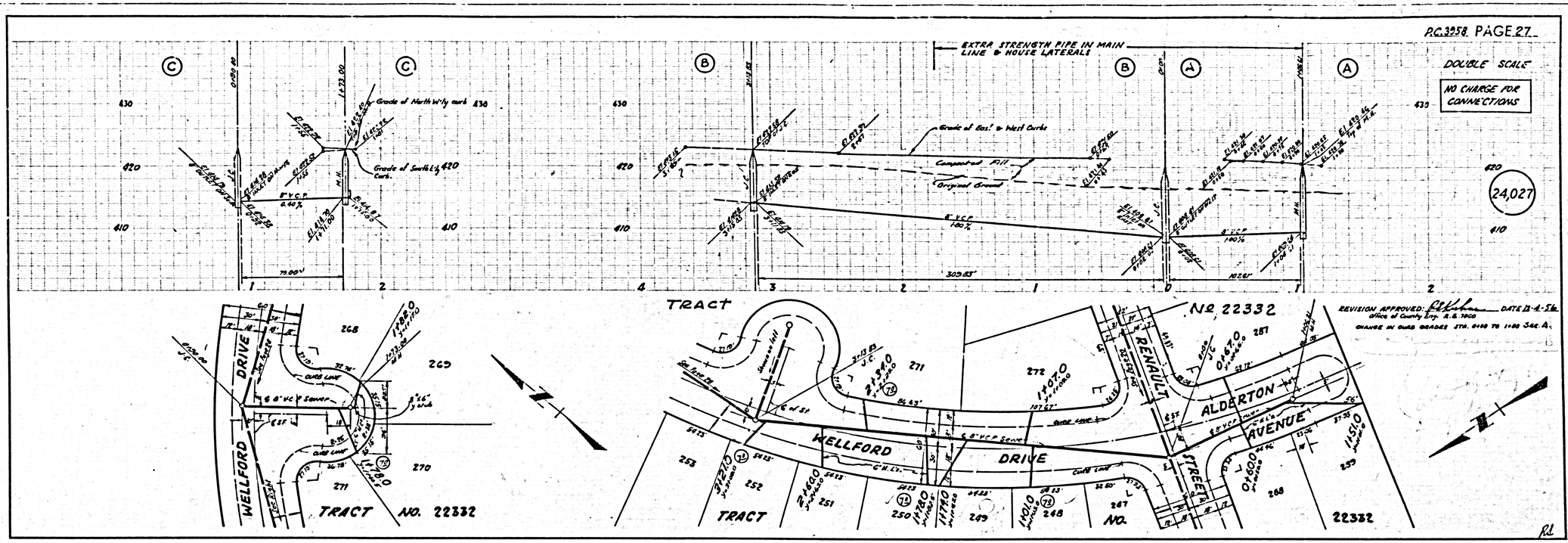
NO CHARGE FOR CONNECTIONS

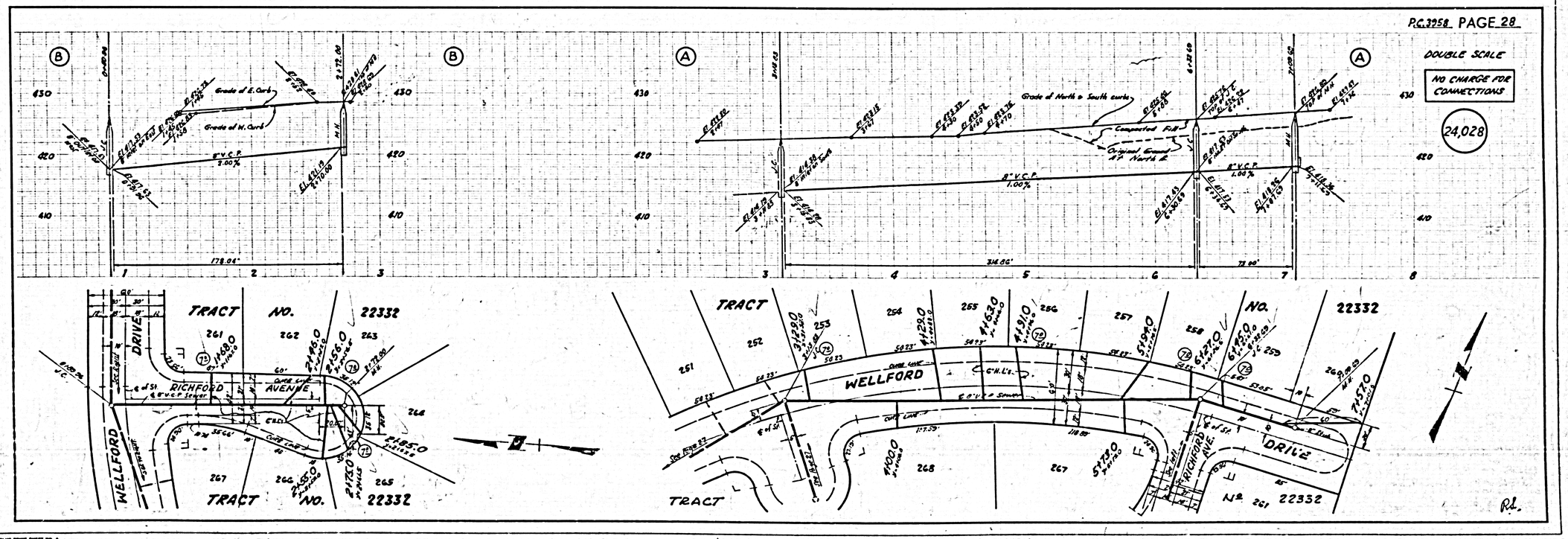
24,024




P.C. 3958 PAGE 25
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS.
24,025
USE EXTRA STRENGTH PIPE IN MAIN LINES AND HOUSE LATERALS
USE EXTRA STRENGTH PIPE IN MAIN LINES & HOUSE LATERALS
USE EXTRA STRENGTH PIPE IN MAIN LINES & HOUSE LATERALS
IDENTICAL
Grade of East & West Curbs
Original Ground Surface
REVISION APPROVED:
SHIPMAN AVENUE
RENAULT STREET
TRACT NO. 22332
IDENTICAL POINTS
PROPOSED SCHOOL SITE
221.37'
247.27'
253.47'
103.46'


P.C. 3958 PAGE 26
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
24,026
House laterals extending Southerly to be constructed with 1/4" rise per foot to property line
Grade of West Curb
Grade of East Curb
Grade of South Curb
Grade of North & South Curbs
Grade of So. Curb
SHIPMAN AVENUE
TRACT NO. 22332
6" H.L.s. AS NOTED ABOVE


P.C.3958 PAGE 27
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
EXTRA STRENGTH PIPE IN MAIN LINE & HOUSE LATERALS
24,027
Grade of North W'ly curb
Grade of South E'ly Curb
Grade of East & West Curbs
Compacted Fill
Original Ground
TRACT
No. 22332
WELLFORD DRIVE
RENAULT STREET
ALDERTON AVENUE
REVISION APPROVED: DATE 12-4-56
Office of County Eng. R.E. 7060
CHANGE IN CURB GRADES STA. 0+00 TO 1+00 SEC. A.


P.C.3958 PAGE 28
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS
24,028
Grade of E. Curb
Grade of W. Curb
Grade of North & South curbs
Compacted Fill
Original Ground At North ℄
TRACT
No. 22332
WELLFORD DRIVE
RICHFORD AVENUE
RICHFORD AVE.