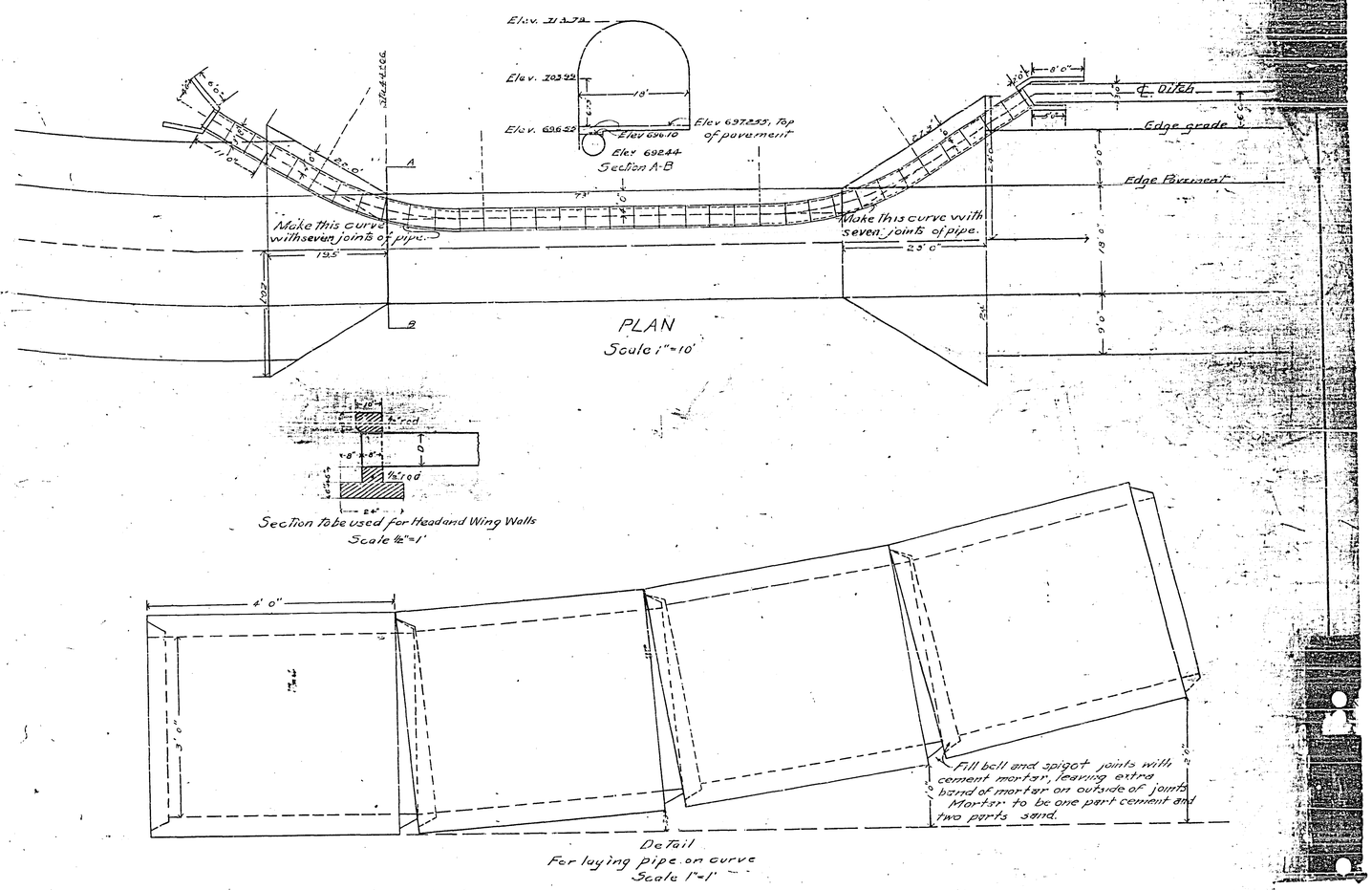
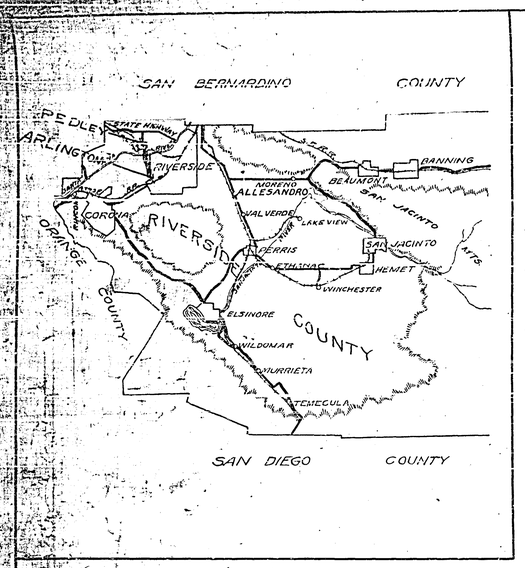
PLAT
SHOWING
Proposed Layout
36" Culvert under Subway
Arlington-Pedley Road
April 1928
A.C. Fulmor County Surveyor



R-606

Sheet No. 1



RIVERSIDE COUNTY

PLAN AND PROFILE

SHOWING

THE PROPOSED IMPROVEMENT

OF THE

ARLINGTON-PEDLEY ROAD

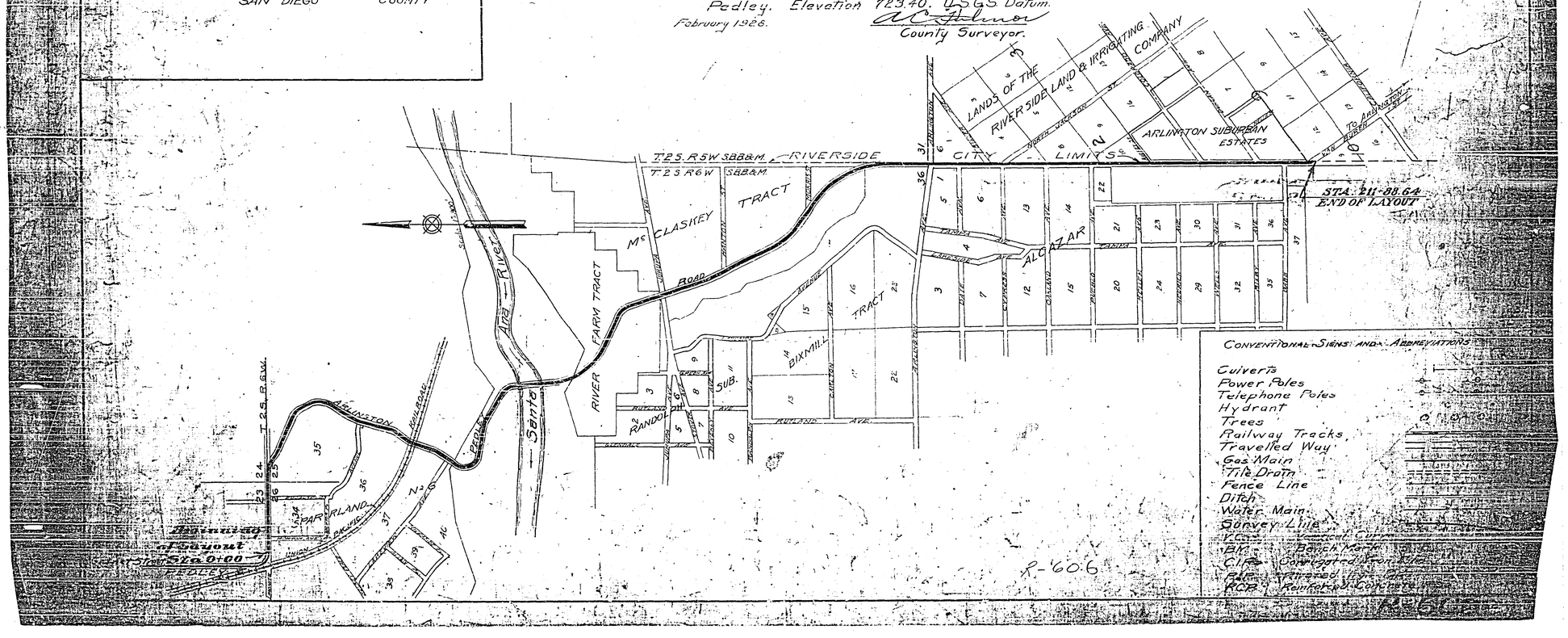
Elevations are based on Garnet Street Bench Mark No. 12. + in concrete north east corner, west bound signal at Pedley. Elevation 723.40. U.S.G.S. Datum.

February 1926.

A. C. Fulmer
County Surveyor.

Approximate Quantities

Item 1. 20,759 lineal feet of shaping roadway.
2. -29,916 cubic yards of excavation.
3. -366,354 sq ft. of { 3 inch Asphaltic Concrete Pavement, or 6 in. Portland Cement Concrete Pavement
4. - 1250 lbs. of Reinforcing Steel in Culverts
5. - 128 lineal feet 12" reinforced concrete pipe
6. - 128 " " 15" " " "
7. - 146 " " 36" " " "
8. - 40 " " 18" Corrugated iron pipe.
9. - 80 " " 30" " " "
10. - 64 " " 36" " " "
11. - 16 " " 16" Vitrified pipe.
12. - 220 " " 6" Drain tile.
13. - 215 Cubic Yards Concrete - Concrete Dips.
14. - 5.4 Cu. Yds. Portland Cement Concrete in Headwalls.
15. - 52.3 Cu. Yds. Portland Cement Concrete Culverts.
16. - 1281 Lin. Ft. Taking up and relaying 12" drain tile.
17. - 1200 Cu. yds. cu. yds. of decomposed granitic Sub-base



Sheet No. 2

FAIRHAVEN

JURUPA HEIGHTS
Pages 1 to 4, Book 3, Records of San Bernardino County.

SPARRLAND UNIT NO. 6.
Page 15, Book 64, Riverside County

ORANGE DRIVE

MORTON AVE.

EUCALYPTUS AVE.

Pavement in place

Concrete Check and Culvert to be removed

Water Main

Gas Main

Sta. 5+38, Remove 30"x24" R.C.P.

Sta. 5+41, Place 30"x56" Con.

Sta 0 to 12, 29 Palms 12" to 24" Diam. to be taken up and reset on right of way line

Place 15"x22" R.C.P.

Remove 12"x22" C.P.

Sta 14 to 15, Remove 6 Eucalyptus Trees 12" to 30" Dia.

Sta 16+30, Take up, and reset 1-30" Palm

Sta 16+60, Place 15"x24" R.C.P.
Remove 10"x19.5" R.C.P.

Sta 23+25 Remove 3-24" to 30" Eucalyptus Trees.

Sta 26+50, Remove 3 Eucalyptus Trees 8" to 24" Dia.

B.M. No. 2 (Corner Street Survey)
Elev. 723.60
In Concrete N.E. Cor. W. boundary line

B.M. No. 1
Elev. 751.57
Nail in Eucalyptus Tree
70' Left Sta. 12+50

B.M. No. 2
Elev. 766.84
Nail in Eucalyptus Tree
18' Right Sta. 20+00

36.00' Roadway
18' Pavement
3" Asphaltic Concrete Base
2" Wearing Surface
TYPICAL SECTION
Scale 1/4" = 1'0"
Sta. 0+00 to Sta. 14+00 Sta. 27+00 to End

Ground Surface

Grade line

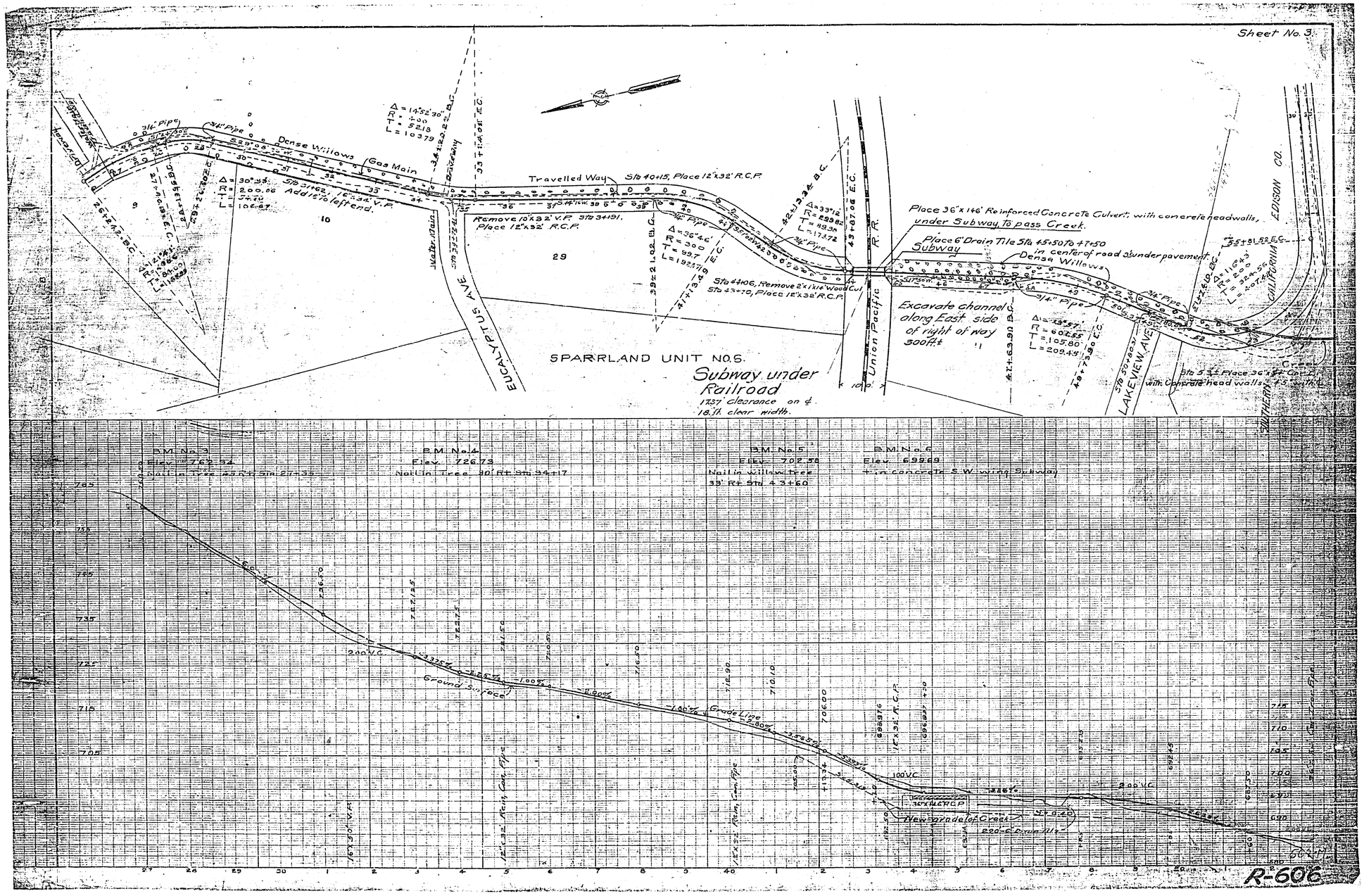
24.00' Roadway
18' Pavement
3" Asphaltic Concrete Base
2" Wearing Surface
TYPICAL SECTION
Scale 1/4" = 1'0"
Sta. 14+50 to Sta. 26+75

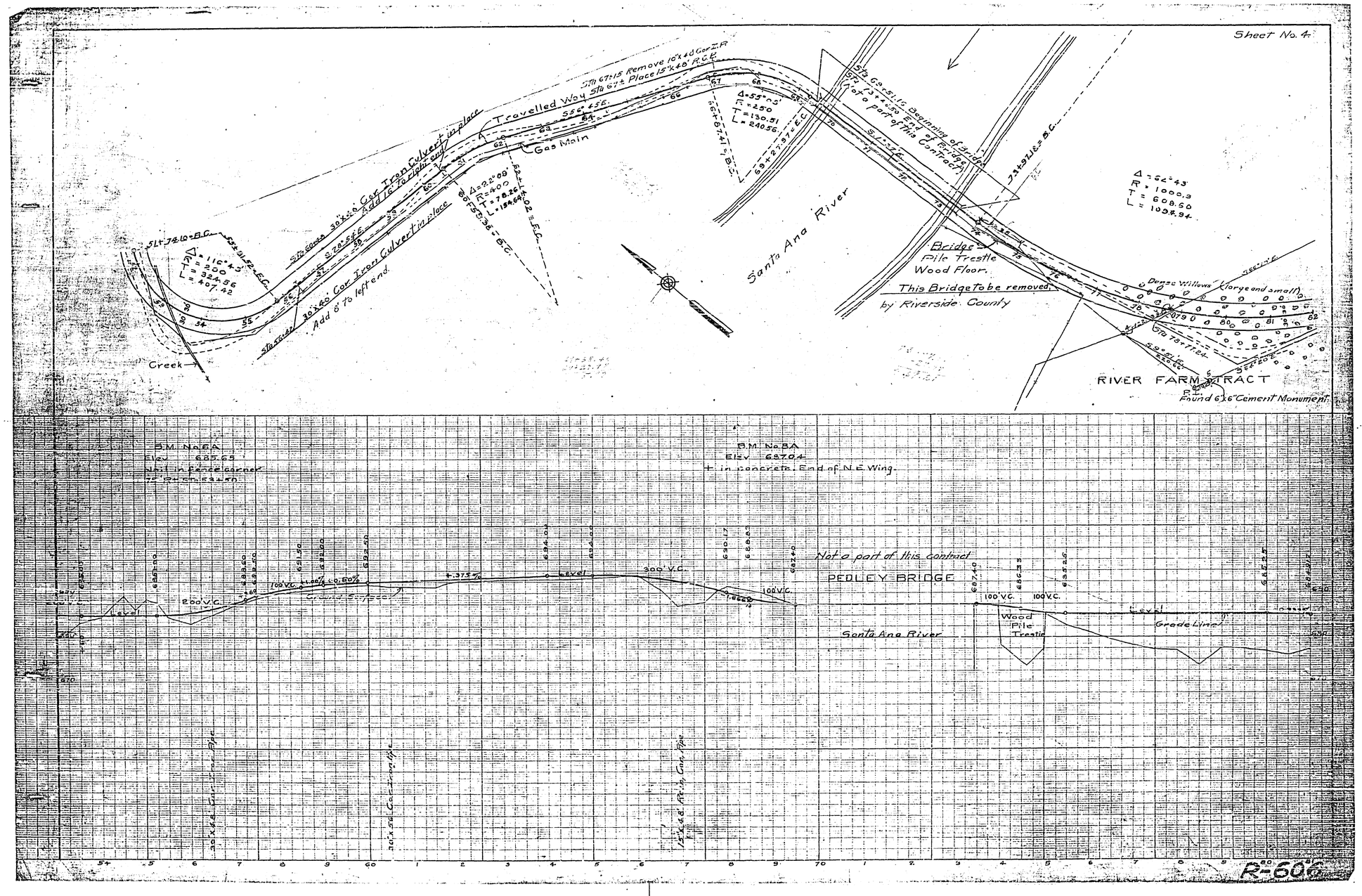
36.0' Roadway
Portland Cement Concrete PAVEMENT
TYPICAL SECTION
Scale 1/4" = 1 ft.

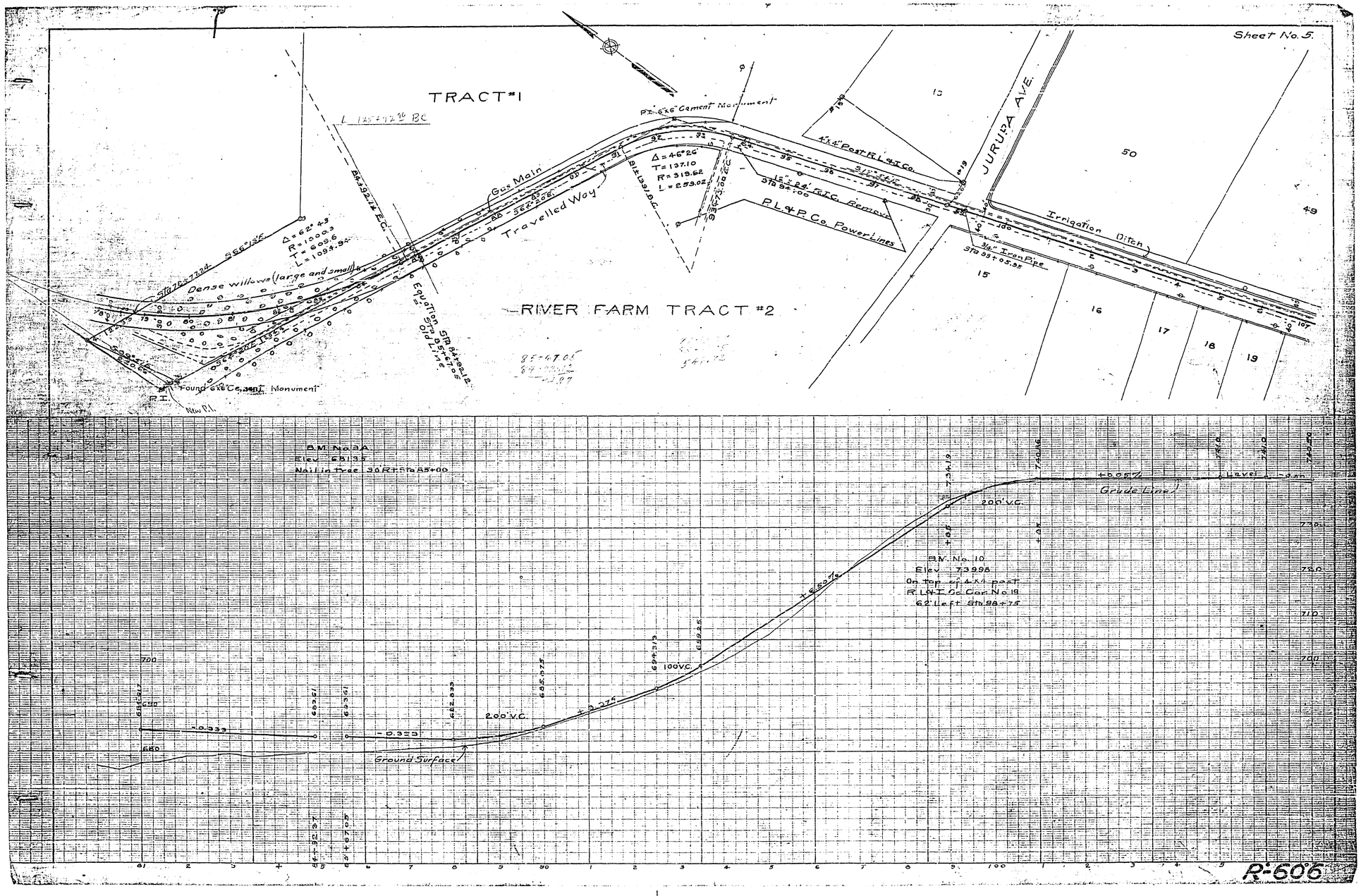
Note
Abbreviations
V.C. = Vertical Curve
BM = Bench Mark
C.P. = Corrugated Iron Pipe
W.I.P. = Wrought Iron Pipe
C.P. = Concrete Pipe
R.C.P. = Reinforced Concrete Pipe

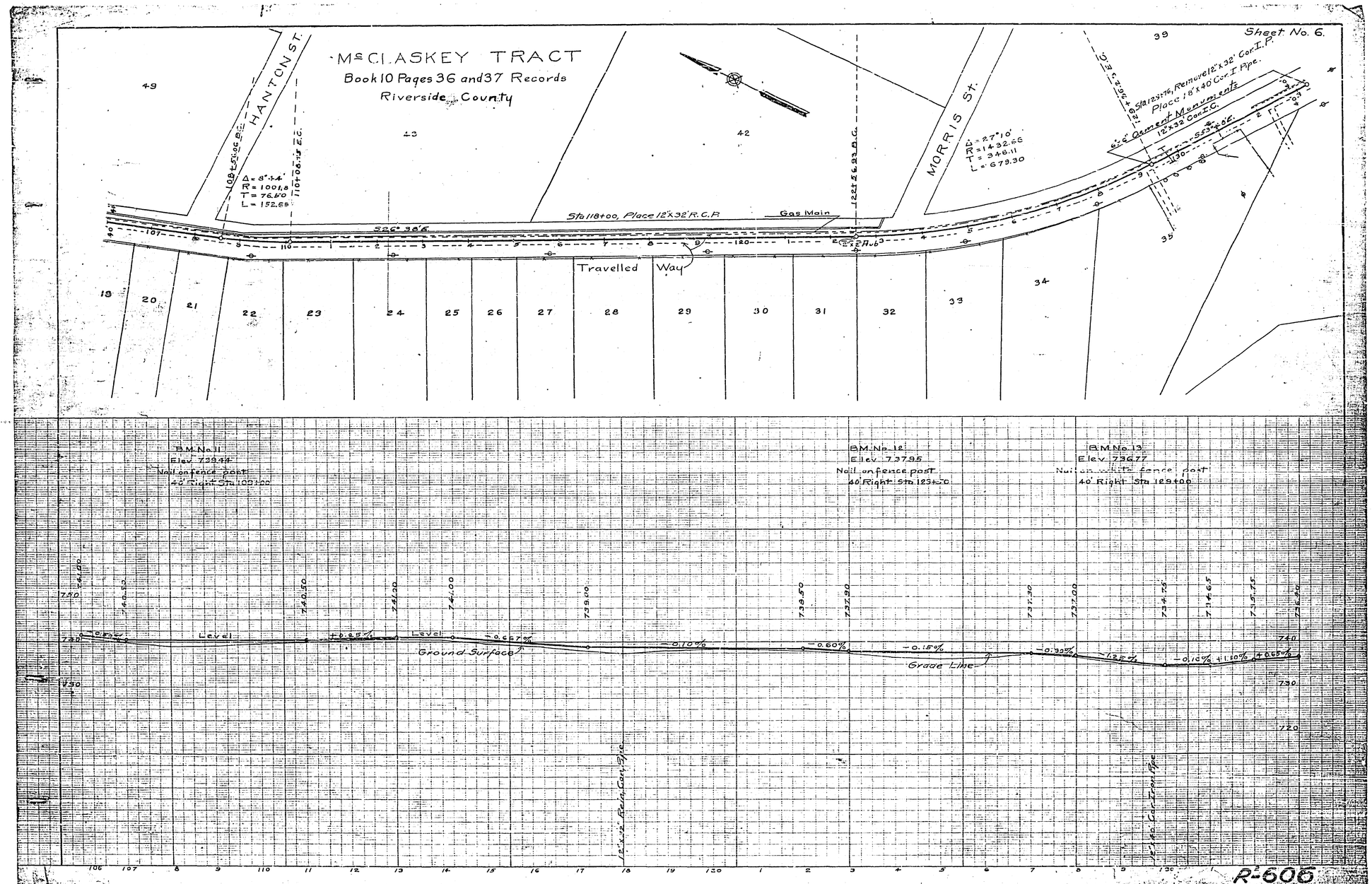
Note
All work to be done under the direction of the Department of Surveys and Plans issued by the California Highway Commission. Surveys shall be made on all curves at same time as tangents.

R-60

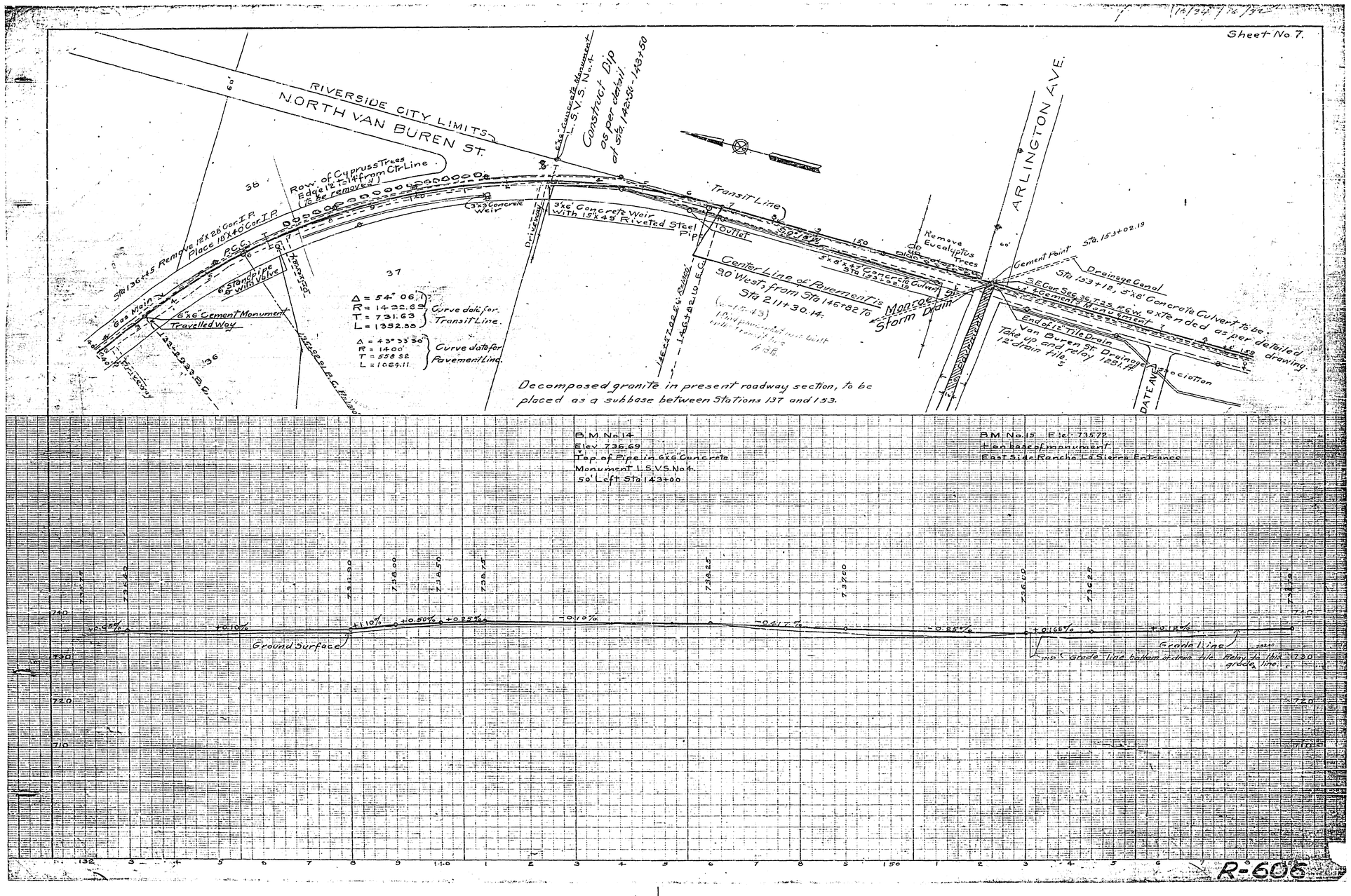

Sheet No. 3.
Dense Willows
Gas Main
Travelled Way
Sta 40+15, Place 12"x32' R.C.P.
Remove 10"x32' V.P. Sta 34+91, Place 12"x32' R.C.P.
Place 36"x146' Reinforced Concrete Culvert, with concrete headwalls, under Subway, to pass Creek.
Place 6" Drain Tile Sta 45+50 to 47+50 in center of road & under pavement.
Subway
Dense Willows
Excavate channel along East side of right of way 300 ft.±
Sta 44+06, Remove 2"x1"x14' Wood Cul. Sta 43+70, Place 12"x32' R.C.P.
EUCALYPTUS AVE.
SPARRLAND UNIT NO. 6.
Subway under Railroad
17.37' clearance on ℄
18 ft. clear width.
Union Pacific R.R.
LAKEVIEW AVE.
EDISON CO.
CALIFORNIA
SOUTHERN
B.M. No. 3
Elev. 762.34
B.M. No. 4
Elev. 726.73
Nail in Tree 30' Rt. Sta 34+17
B.M. No. 5
Elev. 702.58
Nail in willow tree 33' Rt. Sta 43+60
B.M. No. 6
Elev. 699.69
+ in concrete S.W. wing Subway
Ground Surface
Grade Line
New grade of Creek
R-606

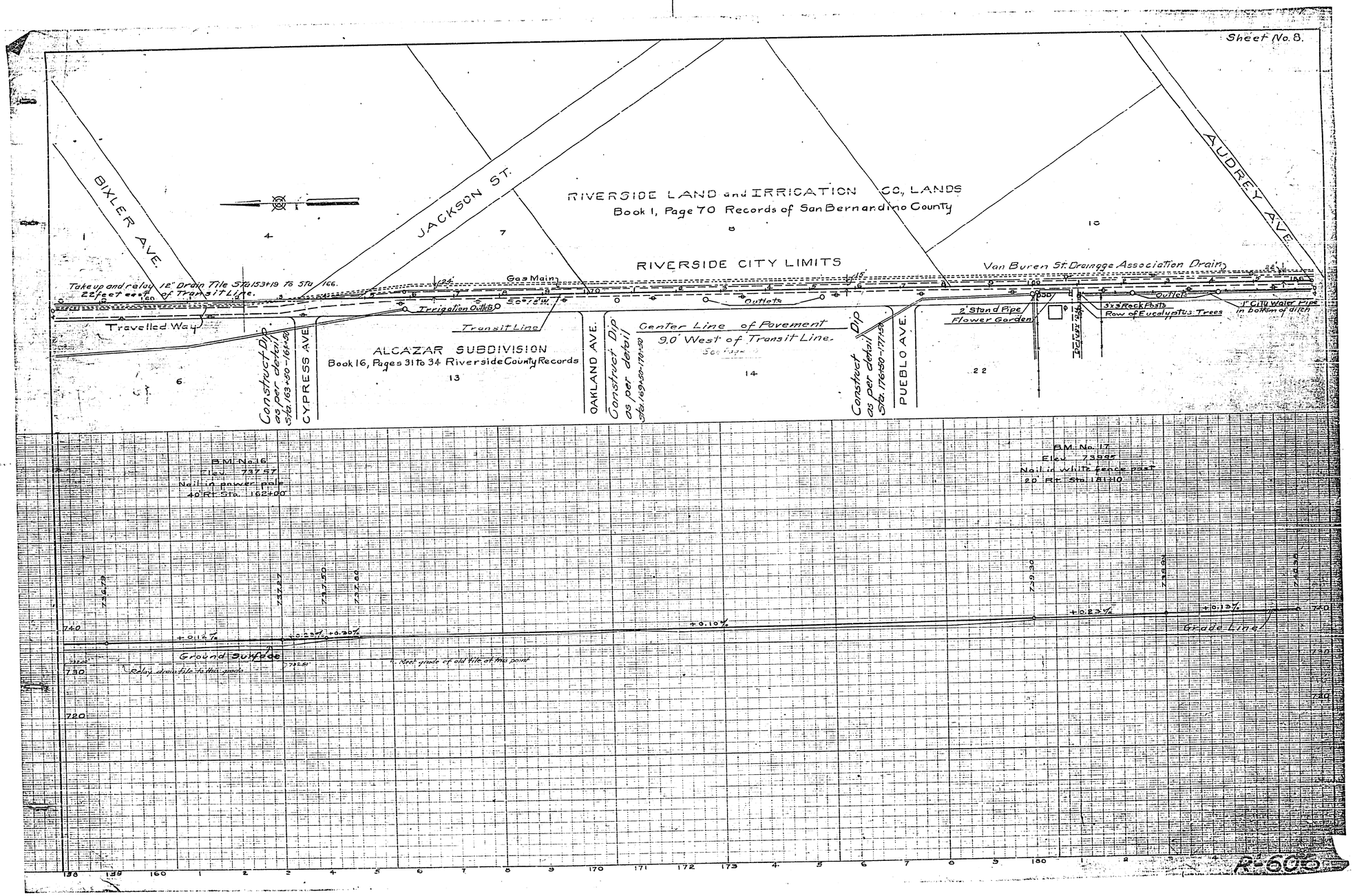

Sheet No. 4
Travelled Way
Gas Main
Santa Ana River
Bridge
Pile Trestle
Wood Floor.
This Bridge To be removed
by Riverside County
Creek
RIVER FARM TRACT
Found 6"x6" Cement Monument
B.M. No. 6A
Elev. 685.65
B.M. No. 8A
Elev. 687.04
+ in concrete. End of N.E. Wing.
Not a part of this contract
PEDLEY BRIDGE
Santa Ana River
Wood Pile Trestle
Grade Line
R-606

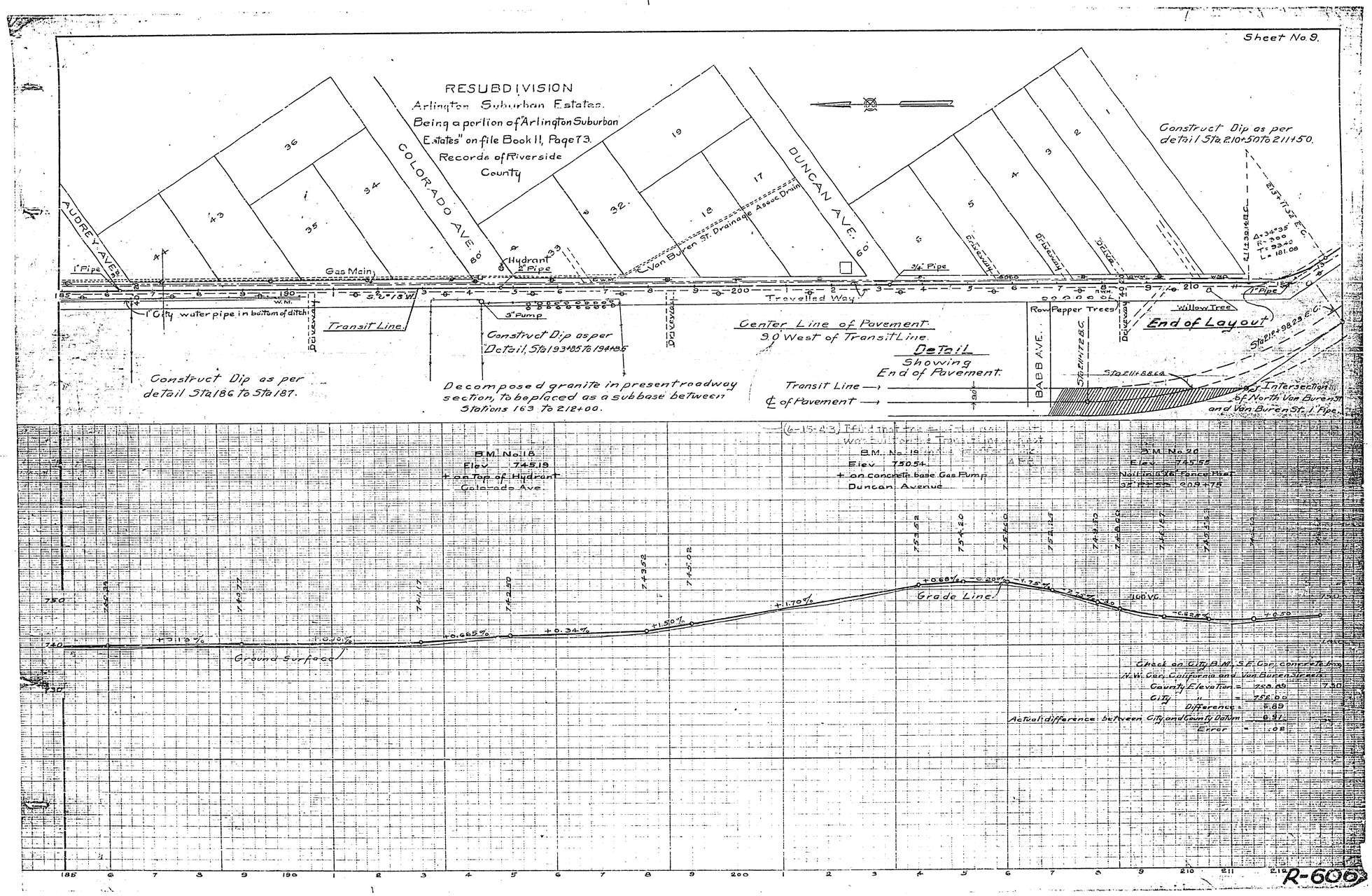

Sheet No. 5.
TRACT #1
RIVER FARM TRACT #2
JURUPA AVE.
Irrigation Ditch
Gas Main
Travelled Way
Dense willows (large and small)
Found 6x6 Cement Monument
P.I.
P.I. 6x6 Cement Monument
4x4 Post R.L.&I.Co.
P.L.&P.Co. Power Lines
Equation Sta 84+92.12 = Sta 85+67.05 Old Line
Δ = 46°26'
T = 137.10
R = 319.62
L = 259.02
Δ = 62°43'
R = 1000.3
T = 609.6
L = 1094.94
B.M. No. 9A
Elev. 68135
Nail in tree 30' Rt. Sta 85+00
B.M. No. 10
Elev. 73998
On top of 4x4 post
R.L.&I.Co. Cor. No. 19
62' Left Sta 98+75
Grade Line
Ground Surface
200' V.C.
100' V.C.
+0.05%
-0.333
R-606

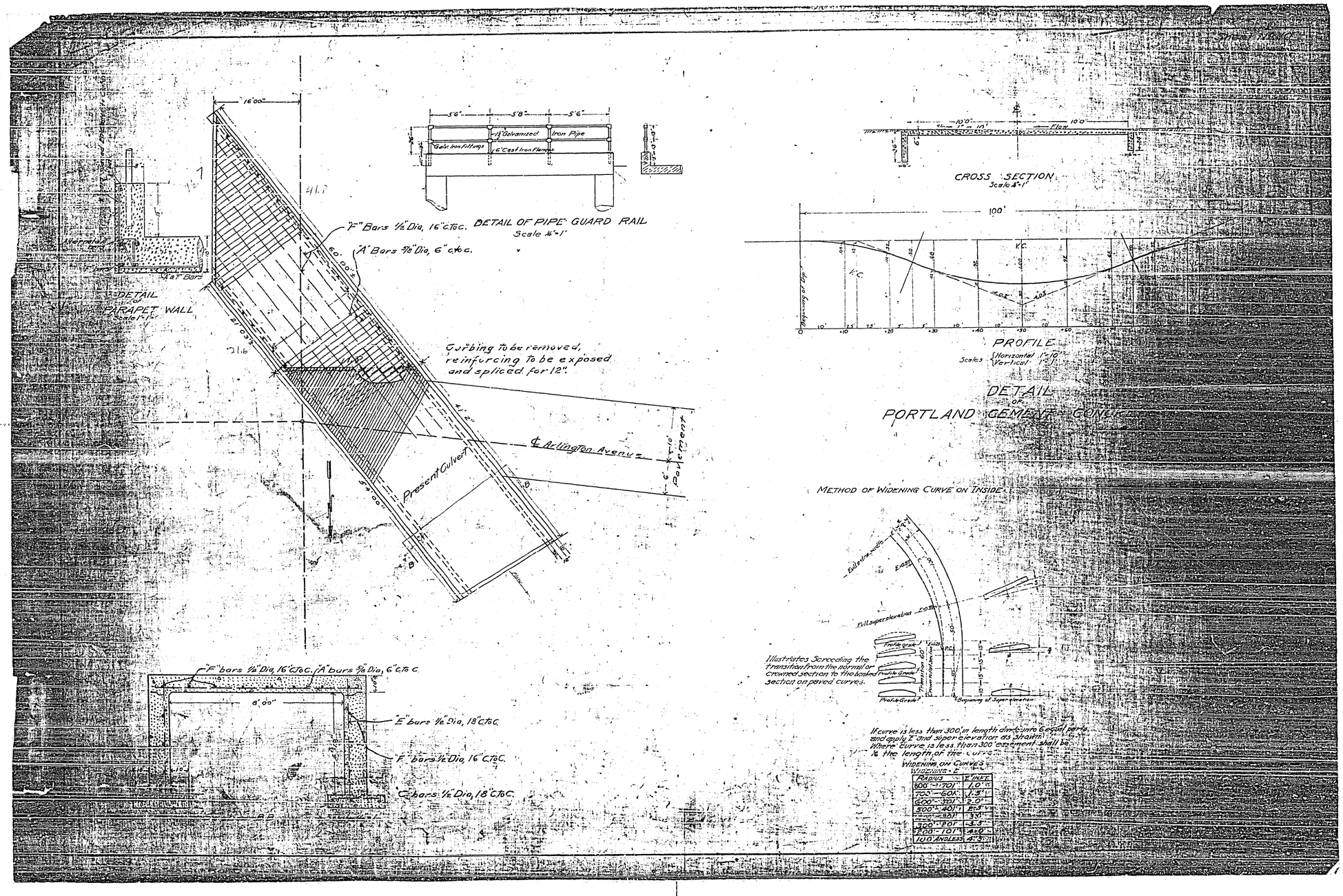


Sheet No. 6.
McCLASKEY TRACT
Book 10 Pages 36 and 37 Records
Riverside County
HANTON ST.
MORRIS ST.
Sta 118+00, Place 12"x32' R.C.P.
Gas Main
Travelled Way
Sta 123+76, Remove 12"x32' Cor. I.P.
Place 18"x40' Cor. I. Pipe.
6"x6" Cement Monuments
12"x32' Cor. I.C.
B.M. No. 11
Elev. 739.44
Nail on fence post
40' Right Sta 109+00
B.M. No. 12
Elev. 737.95
Nail on fence post
40' Right Sta 123+50
B.M. No. 13
Elev. 736.77
Nail on white fence post
40' Right Sta 129+00
Level
Ground Surface
Grade Line
R-606


Sheet No. 7.
RIVERSIDE CITY LIMITS
NORTH VAN BUREN ST.
ARLINGTON AVE.
Construct Dip as per detail at Sta. 142+56 - 143+50
Row of Cypruss Trees Edge 12' to 14' from Ctr Line (to be removed)
Transit Line
3'x3' Concrete Weir
3'x6' Concrete Weir With 15'x49' Riveted Steel Pipe
Outlet
Remove Eucalyptus Trees
Cement Point Sta. 153+02.19
Drainage Canal
Sta 153+12, 5'x8' Concrete Culvert to be extended as per detailed drawing
Center Line of Pavement is 9.0' West, from Sta 146+82 to Sta 211+30.14.
Monroe St. Storm Drain
End of 12" Tile Drain
Van Buren St. Drainage Association
Take up and relay 1281 ft. 12" drain tile.
Sta 136+45 Remove 12"x28' Cor. I.P. Place 18"x40' Cor. I.P.
6"x6" Cement Monument
Travelled Way
Gas Main
Driveway
Δ = 54° 06'
R = 1432.69
T = 731.63
L = 1352.88
Curve data for Transit Line.
Δ = 43° 33' 30"
R = 1400'
T = 558.52
L = 1064.11
Curve data for Pavement Line.
Decomposed granite in present roadway section, to be placed as a subbase between Stations 137 and 153.
B.M. No. 14
Elev. 736.69
Top of Pipe in 6"x6" Concrete Monument L.S.V.S. No. 4.
50' Left Sta 143+00
B.M. No. 15 Elev. 735.72
+ on base of monument
East Side Rancho La Sierra Entrance
Ground Surface
Grade Line
Grade line bottom of drain tile. Relay to this grade line.
R-606


Sheet No. 8.
BIXLER AVE.
JACKSON ST.
AUDREY AVE.
RIVERSIDE LAND and IRRIGATION CO., LANDS
Book 1, Page 70 Records of San Bernardino County
RIVERSIDE CITY LIMITS
Van Buren St. Drainage Association Drain
Take up and relay 12" Drain Tile Sta 153+19 to Sta 166.
22 feet east of Transit Line.
Gas Main
Irrigation Outlets
Outlets
Travelled Way
Transit Line
Center Line of Pavement
9.0' West of Transit Line.
2' Stand Pipe
Flower Garden
3x3 Rock Posts
Row of Eucalyptus Trees
1" City Water Pipe in bottom of ditch
Construct Dip as per detail Sta. 163+50-164+50
CYPRESS AVE.
ALCAZAR SUBDIVISION
Book 16, Pages 31 to 34 Riverside County Records
OAKLAND AVE.
Construct Dip as per detail Sta. 169+50-170+50
Construct Dip as per detail Sta. 176+50-177+50
PUEBLO AVE.
B.M. No. 16
Elev. 737.57
Nail in power pole
40' Rt. Sta. 162+00
B.M. No. 17
Elev. 739.95
Nail in white fence post
20' Rt. Sta. 181+10
+0.12%
+0.23%
+0.30%
+0.10%
+0.23%
+0.13%
Ground Surface
Grade Line
Relay drain tile to this grade
Meet grade of old tile at this point
R-606


Sheet No. 9.
RESUBDIVISION
Arlington Suburban Estates.
Being a portion of "Arlington Suburban Estates" on file Book 11, Page 73.
Records of Riverside County
AUDREY AVE.
COLORADO AVE.
DUNCAN AVE.
Van Buren St. Drainage Assoc. Drain
Hydrant
Gas Main
1" Pipe
2" Pipe
3/4" Pipe
Driveway
Travelled Way
1" City water pipe in bottom of ditch
Transit Line
3" Pump
Construct Dip as per detail Sta 186 to Sta 187.
Construct Dip as per Detail, Sta 193+85 to 194+85
Decomposed granite in present roadway section, to be placed as a subbase between Stations 163 to 212+00.
Center Line of Pavement.
9.0 West of Transit Line.
Detail
Showing
End of Pavement.
Transit Line
℄ of Pavement
BABB AVE.
Row Pepper Trees
Willow Tree
End of Layout
Construct Dip as per detail Sta. 210+50 to 211+50.
Intersection of North Van Buren St. and Van Buren St. 1" Pipe
B.M. No. 18
Elev. 745.19
+ on Top of Hydrant
Colorado Ave.
B.M. No. 19
Elev. 750.54
+ on concrete base Gas Pump
Duncan Avenue
B.M. No. 20
Elev. 745.55
Ground Surface
Grade Line
Check on City B.M. S.E. Cor. concrete box
N.W. Cor. California and Van Buren Streets.
County Elevation = 758.89
City " = 752.00
Difference = 6.89
Actual difference between City and County Datum = 6.91
Error = .02
R-600



DETAIL OF PIPE GUARD RAIL
Scale 1/4"=1'
1½" Galvanized Iron Pipe
Galv. Iron Fittings
6" Cast Iron Flanges
"F" Bars ½" Dia, 16" c. to c.
"A" Bars ⅝" Dia, 6" c. to c.
DETAIL OF PARAPET WALL
Scale 1"=1'
Curbing to be removed, reinforcing to be exposed and spliced for 12".
℄ Arlington Avenue
Present Culvert
Pavement
CROSS SECTION
Scale 1/4"=1'
Flow
PROFILE
Scales Horizontal 1"=10' Vertical 1"=1'
DETAIL OF PORTLAND CEMENT CONCRETE
METHOD OF WIDENING CURVE ON INSIDE
Illustrates Screeding the transition from the normal or crowned section to the banked section on paved curves.
Full superelevation
Profile grade
Transition 60'
Crown to Full Section
Beginning of Superelevation
If curve is less than 300' in length divide into 6 equal parts and apply E and superelevation as shown. Where curve is less than 300' easement shall be 1/6 the length of the curve.
WIDENING ON CURVES
WIDENING - E
RADIUS | E INFT.
800'-701' | 1.0'
700'-601' | 1.5'
600'-501' | 2.0'
500'-401' | 2.5'
400'-301' | 3.0'
300'-201' | 3.5'
200'-101' | 4.0'
100' AND LESS | 4.5'
"F" bars ½" Dia, 16" c. to c.
"A" bars ⅝" Dia, 6" c. to c.
"E" bars ½" Dia, 18" c. to c.
"F" bars ½" Dia, 16" c. to c.
"C" bars ½" Dia, 18" c. to c.