FILE	SUBJECT	SHEET	TOTAL
[illegible]	[illegible]	1	17

ACQUISITION AND IMPROVEMENT DISTRICT Nº 2

CITY OF RIVERSIDE

IMPROVEMENT PLANS

CONSISTING OF 17 SHEETS NUMBERED 1 TO 17 INCLUSIVE

FOR THE IMPROVEMENT OF

WEST SEVENTH STREET

From a Point 88 Feet Easterly from the Easterly Line of Rose Way, Produced Northerly, to Buena Vista Avenue

BUENA VISTA AVENUE

From West Seventh Street to the Westerly City Limits

RUBIDOUX MOUNTAIN DRIVE

From West Seventh Street Westerly and Southerly to the Northerly End of Cement Concrete Bridge to be Constructed under this Improvement, and from the southerly line of Buena Vista Avenue, a distance of 175 feet southerly.

and portions of

RUBIDOUX DRIVE AND ROSE WAY

Adjacent to West 7th Street, and a portion of

RUBIDOUX DRIVE

Adjacent to Buena Vista Avenue

LEGEND

Cement Concrete Pavement to be constructed shown colored thus	
Reinforced Concrete Retaining Wall and Ornamental Railing to be constructed	
Concrete Sidewalk to be constructed	
Concrete Curb to be constructed	
Rubble Masonry Wall to be constructed	
Bridge to be constructed	
Conduit to be constructed shown thus	
Culverts to be constructed shown thus	
Catch Basin, Outlet and Inlets to be constructed shown thus	
Vault to be constructed shown thus	
4" Asphalt Pavement to be constructed shown colored thus	
2" Asphalt Pavement to be constructed shown colored thus	
Light Standard to be installed shown thus	
Rubble Masonry Curb to be constructed shown thus	

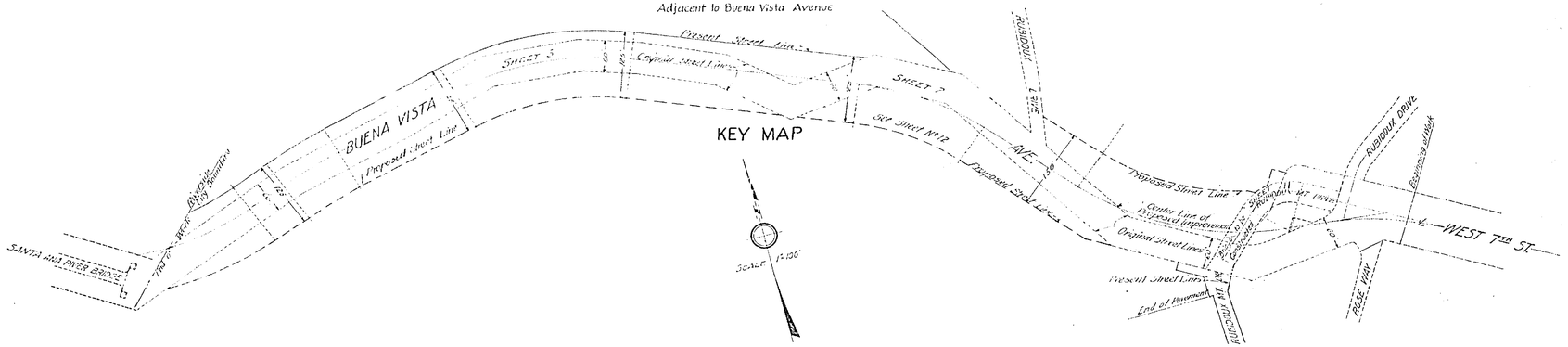
Cast Iron and Galvanized Iron Water Pipe and services to be constructed as shown

Cement Concrete Steps to be constructed as shown

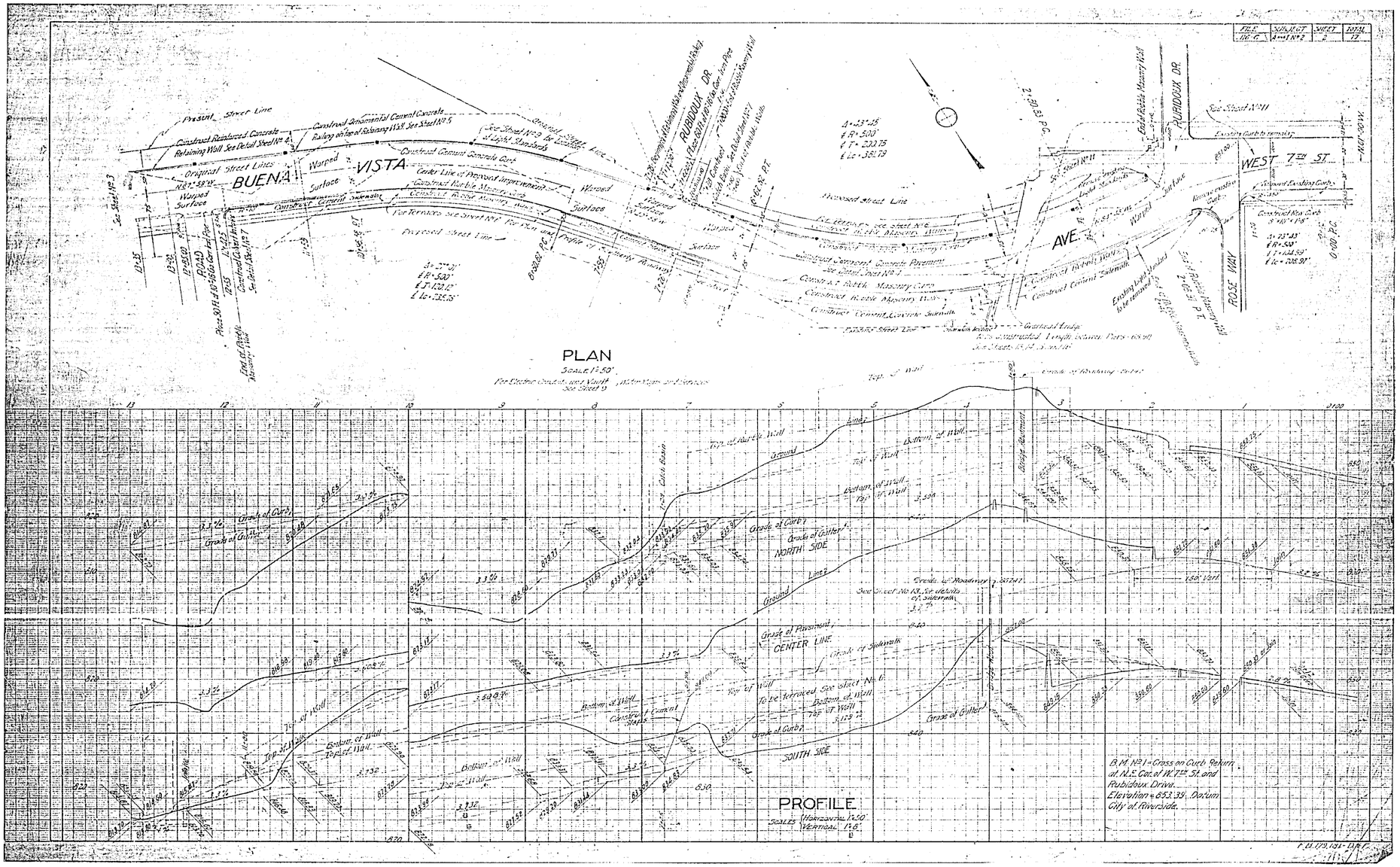
Elevations Based on Datum Plane of the City of Riverside which is 6.906 Feet above the Datum Plane of the United States Geological Survey

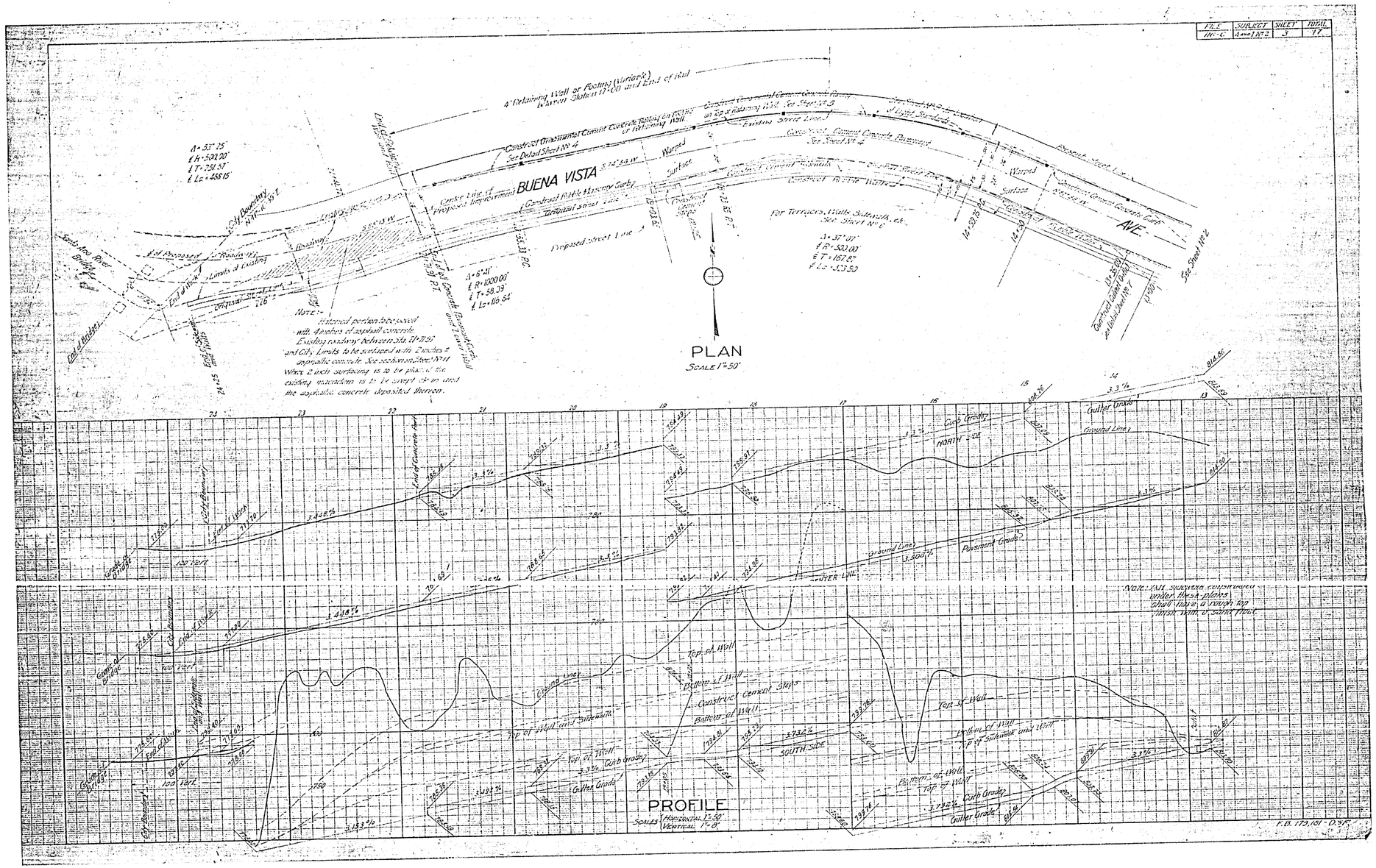
Scales - Plans – as shown
Profiles - as shown
Details – as shown

PERSONS APPOINTED TO PREPARE SPECIFICATIONS



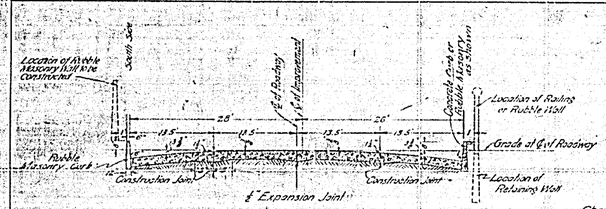
FILE No. C	SUBJECT Area No 2	SHEET 2	TOTAL 22





FILE
SUBJECT
SHEET
TOTAL
BUENA VISTA
AVE.
PLAN
SCALE 1"=50'
PROFILE
SCALES HORIZONTAL 1"=50' VERTICAL 1"=8'
NORTH SIDE
SOUTH SIDE
Ground Line
Gutter Grade
Pavement Grade
Top of Wall
Bottom of Wall
Construct Cement Steps
Top of Wall and Sidewalk
Top of Sidewalk and Wall
Note:- Hatched portion to be paved with 4 inches of asphalt concrete. Existing roadway between Sta. 21+71.97 and City Limits to be surfaced with 2 inches of asphaltic concrete. See section on Sheet No. 11. Where 2 inch surfacing is to be placed the existing macadam is to be swept clean and the asphaltic concrete deposited thereon.
For Terraces, Walls, Sidewalk, etc., See Sheet No. 6
Note: All sidewalk constructed under these plans shall have a rough top finish with a sand float.
F.B. 179,181 - D.S.F.

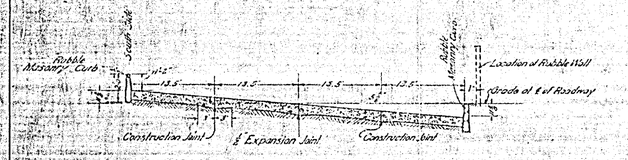
FILE	SUBJECT	SHEET	TOTAL
111-C	Abmt No 2	4	17



TYPICAL SECTION OF ROADWAY

To be constructed on tangents except where otherwise shown. Also to be constructed between station 20+55.33 and station 21+11.91

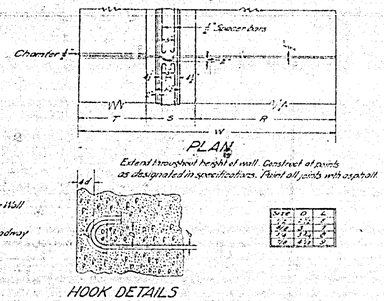
SCALES: HORIZ. 1"=10'. VERT. 1"=4'



TYPICAL SECTION OF ROADWAY

To be constructed between station 2+80.83 and station 6+52.62

SCALES: HORIZ. 1"=10'. VERT. 1"=4'



PLAN

Extend throughout height of wall. Construct at points as designated in specifications. Point all joints with asphalt.

HOOK DETAILS

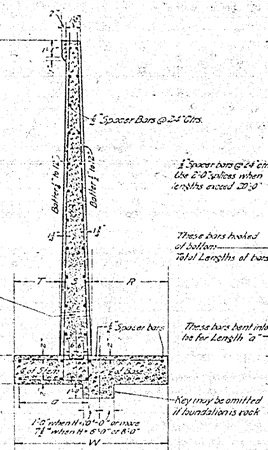
DETAILS OF EXPANSION JOINT IN RETAINING WALL

NOTES

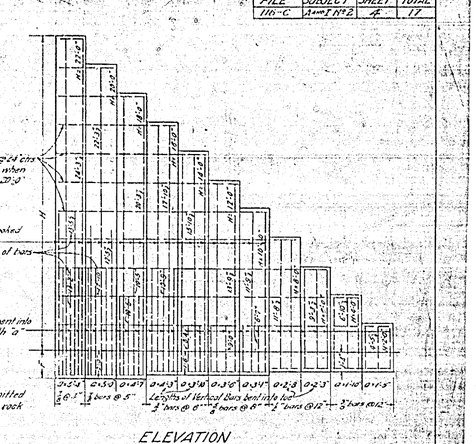
When the wall rests on a rock foundation "W" can be decreased to 0.4 (H+F+2) making all the reduction in "R" with "T" and "S" unchanged; and all bars in inside face of vertical wall must be bent into toe for length "a".

Walls designed for two foot surcharge.

When top of wall slopes, run 2-3/4" Bars along top embedded 2 inches.



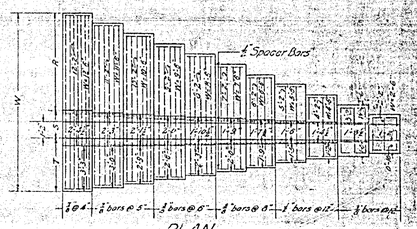
SECTION



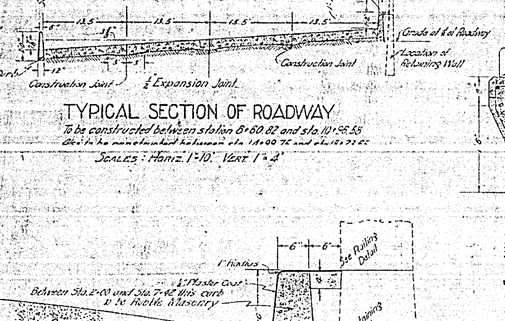
ELEVATION

RETAINING WALL DIAGRAMS

Showing Details of Reinforcement



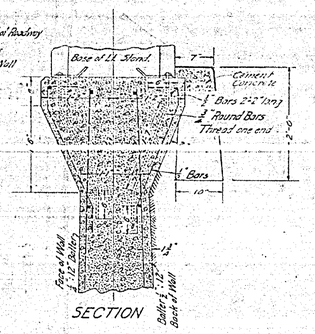
PLAN



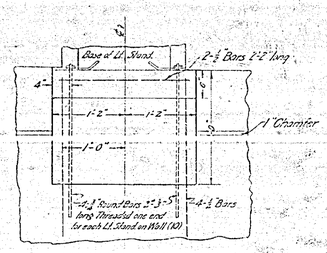
TYPICAL SECTION OF ROADWAY

To be constructed between station 8+60.82 and sta 10+58.55

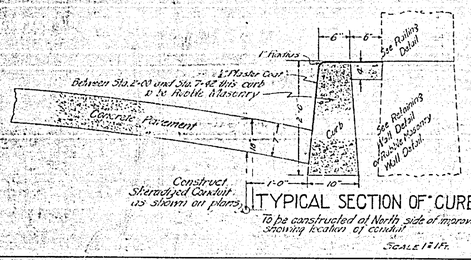
SCALES: HORIZ. 1"=10'. VERT. 1"=4'



SECTION



PART ELEVATION



TYPICAL SECTION OF CURB

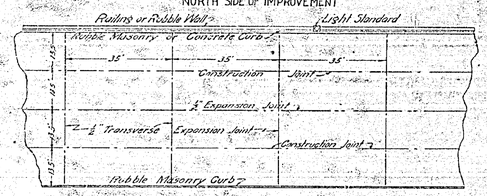
To be constructed at North side of improvement, showing location of conduit

SCALE 1"=1Ft.

DETAILS OF RETAINING WALL

Showing Method of Supporting Light Standards

SCALE 1"=1Ft.



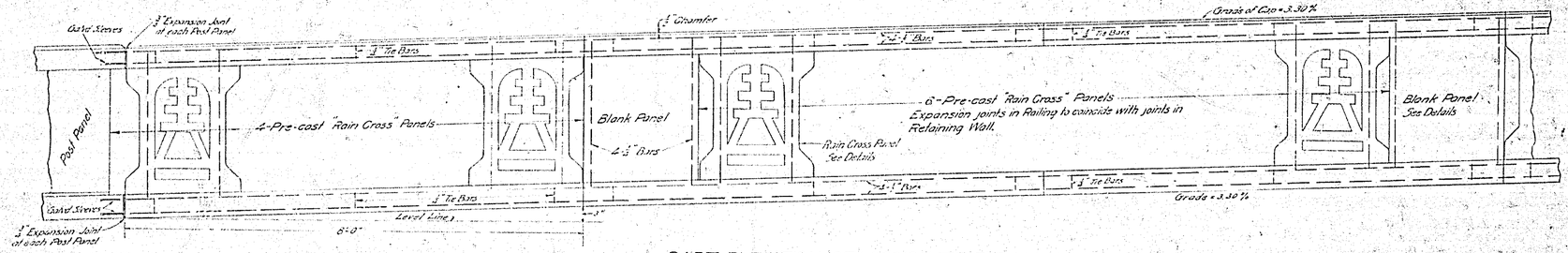
PART PLAN OF IMPROVEMENT

Showing Location of Expansion Joints

SCALE 1"=2Ft.

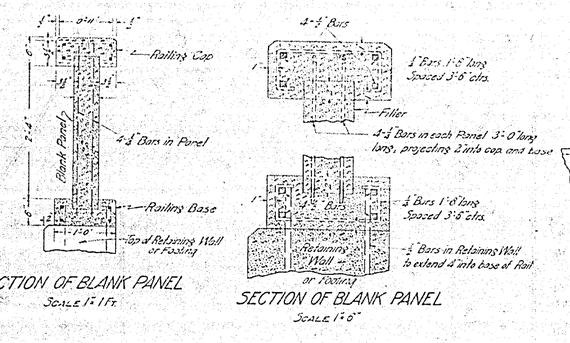
Note: 5 Transverse expansion joints shall also be placed opposite to vault, and any manholes which may be constructed apart from these proceedings.

FILE	SUBJECT	FILE	TOTAL
116-C	Amendment	5	17



PART ELEVATION OF MISSION TYPE RAILING

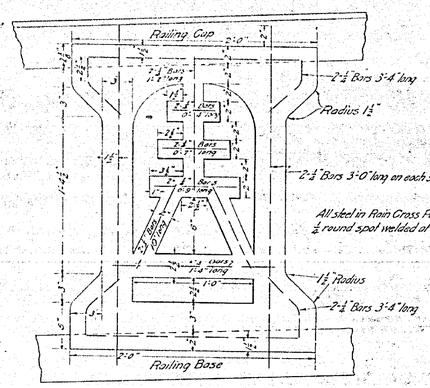
Base and Cap to be cast in place
Scale 1"=1 Ft.



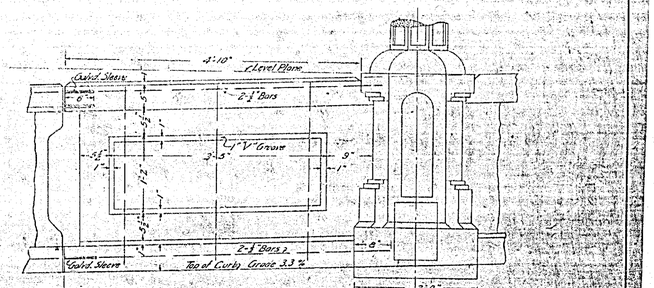
SECTION OF BLANK PANEL
Scale 1"=1 Ft.

SECTION OF BLANK PANEL
Scale 1"=1 Ft.

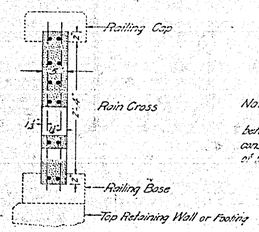
5 Sections of 6 Rain Cross Panels each
2 Sections of 4 Rain Cross Panels each
6 Blank Panels
} See P. between Post Panels



ELEVATION OF RAIN CROSS PANEL
Scale 1"=1 Ft.



ELEVATION OF POST PANEL
To be constructed in Railing at each side of Light Standard
Scale 1"=1 Ft.

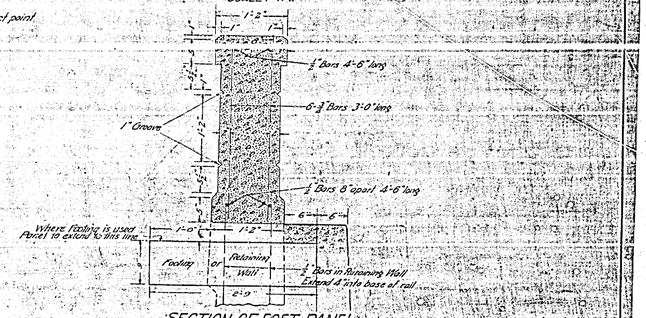


SECTION OF RAIN CROSS PANEL
Scale 1"=1 Ft.

NOTE:-
Any discrepancy in total length of railing between post panels which may develop during construction to be compensated for in this length of the post panels.

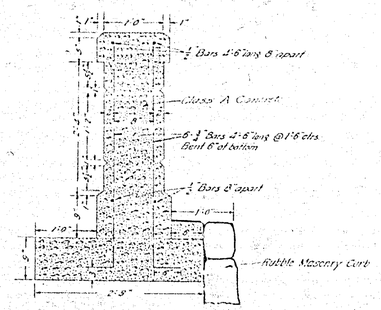
DETAILS OF RAILING

To be constructed on top of concrete Retaining Wall
From Sta. 7+78 to Sta. 17+00
and on either a Footing or Retaining Wall from
From Sta. 17+00 to Sta. 21+71.97
On North Side of Improvement



SECTION OF POST PANEL
Scale 1"=1 Ft.

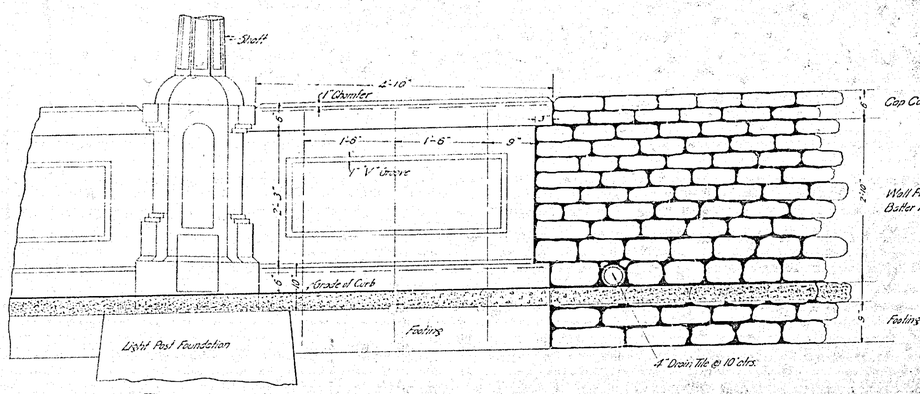
FILE	SUBJECT	SHEET	TOTAL
116 C	Stand 1 No 2	6	17



SECTION OF CONCRETE PANEL

To be constructed between Lt. Stand and Rubble Masonry Wall. See Elevation

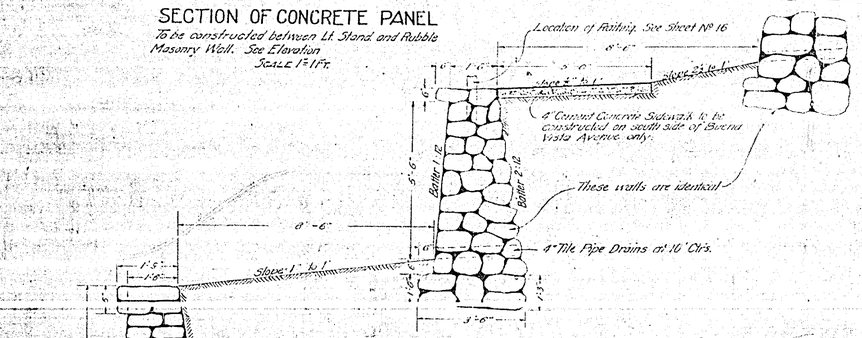
SCALE 1"=1Ft.



PART ELEVATION

Showing Concrete Panels of Light Standards In Rubble Masonry Wall, on North Side

SCALE 1"=1Ft.



NOTE:-

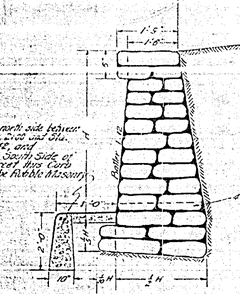
H = 3'-0" for wall on north side of improvement, next to curb

Height of other walls as shown hereon and on profile.

Wall on South Side next to curb is variable in height. See profile.

Rubble walls to terminate in a 10' radius curve turned into bank, unless otherwise shown on plan.

All rubble stone to be laid in mortar but not pointed.

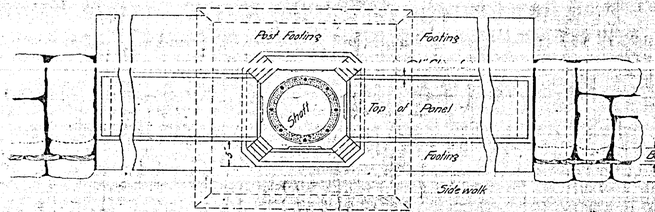


SECTION OF RUBBLE MASONRY WALLS

To be constructed where shown on Plans

Showing method of Terracing Banks and location of sidewalk.

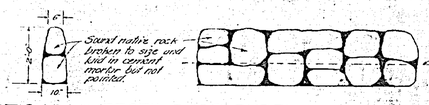
SCALE 1"=2Ft.



TOP VIEW OF BASE OF LIGHT STANDARD

Showing Alignment of Walls on North Side

SCALE 1"=1Ft.

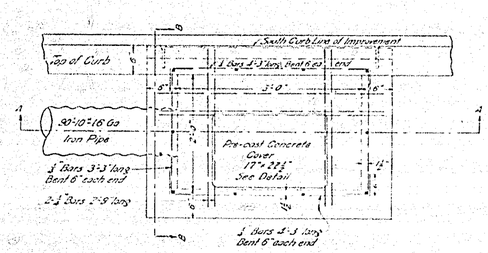


SECTION AND PROFILE OF RUBBLE MASONRY CURB

To be constructed on the south side of Buena Vista Avenue and on north side between Sta. 2+00 and Sta. 7+42

Scale 1in = 2ft

FILE	SUBJECT	SHEET	TOTAL
1111-C	Arma Jct. No. 2	7	17

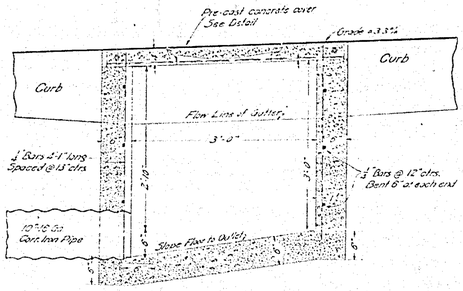


PLAN OF CULVERT INTAKE BOX

To be constructed at Sta 12+32.50 - South Side

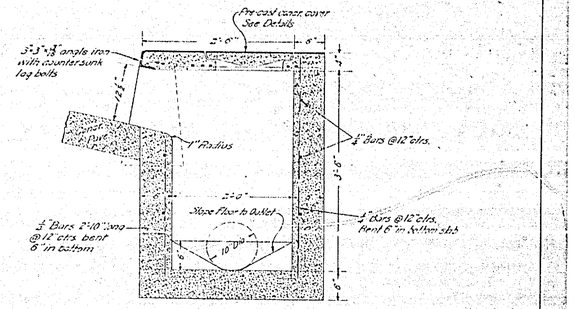
SCALE 1"=1Ft.

Same for Culvert Outlet Box at Sta 13+34.5 South Side except no pipe at West end and no cover, with top slab reinforcement as shown in longitudinal section.
Same for Culvert Intake Box at Sta 7+28 with pipe outlet on West side only.



SECTION AT A-A

See Plan



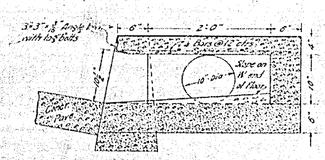
SECTION AT B-B

See Plan

DETAILS OF CULVERT INTAKE BOX

To be constructed at Sta 12+32.50

SCALE 1"=1Ft.



CROSS SECTION

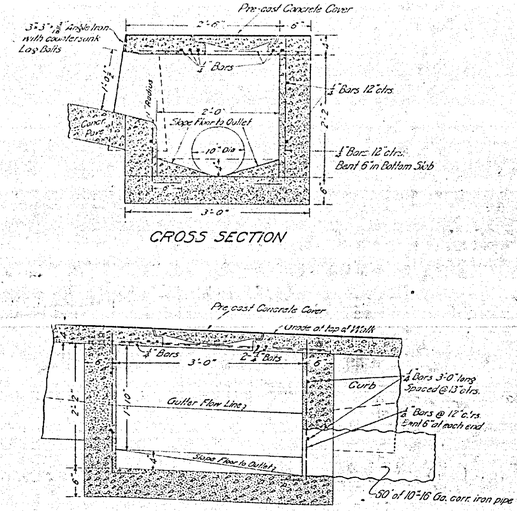
SCALE 1"=1Ft.

LONGITUDINAL SECTION

DETAILS OF CULVERT OUTLET BOX

To be constructed at Sta 13+34.50 South Side

SCALE 1"=1Ft.



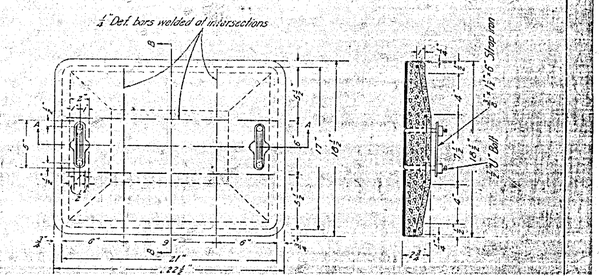
CROSS SECTION

LONGITUDINAL SECTION

DETAILS OF CULVERT INTAKE BOX

To be constructed at Sta 7+28

SCALE 1"=1Ft.



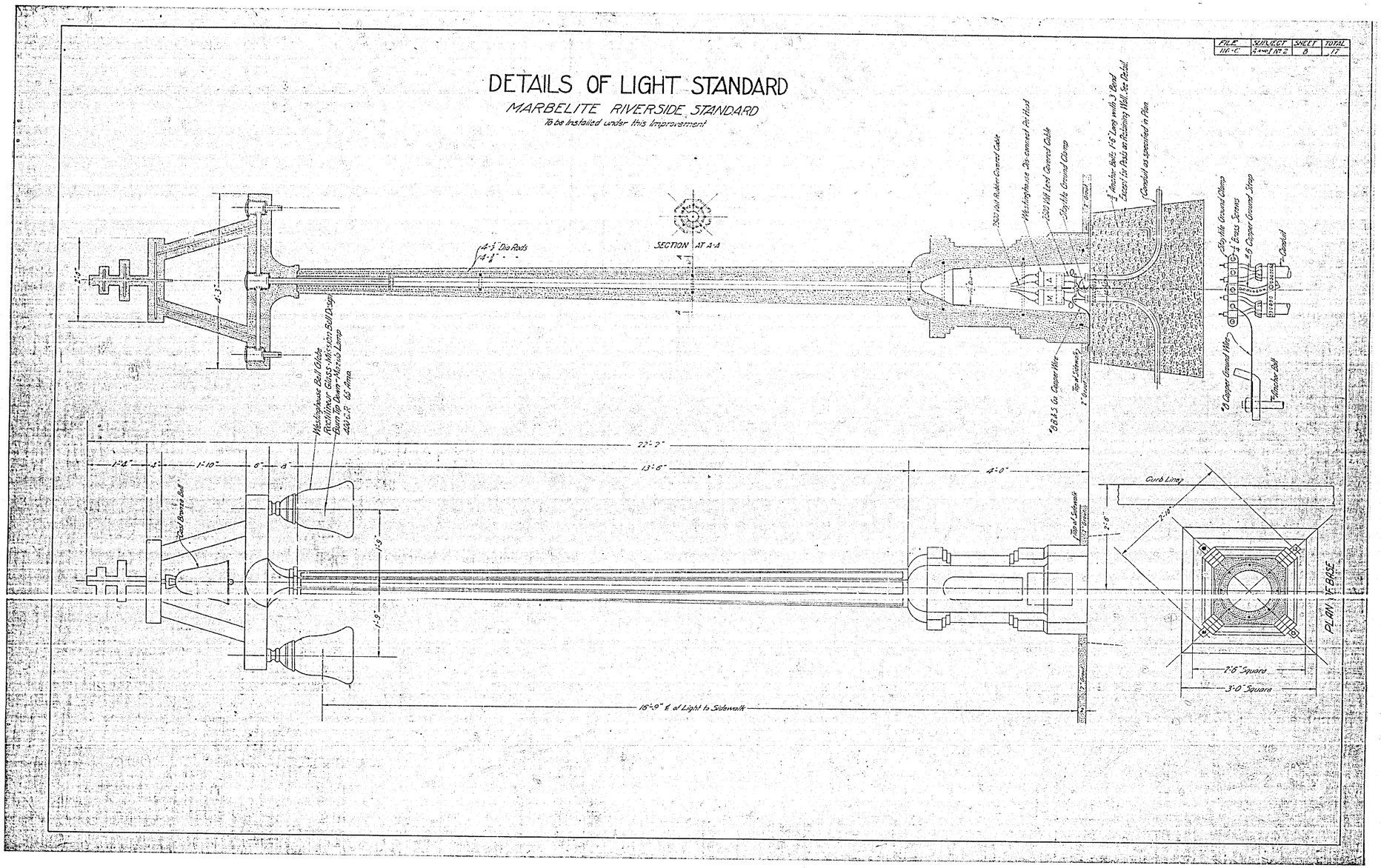
DETAILS OF CONCRETE CATCH BASIN COVER

FILE	SUBJECT	SHEET	TOTAL
116-C	Lamps No 2	8	17

DETAILS OF LIGHT STANDARD

MARBELITE RIVERSIDE STANDARD

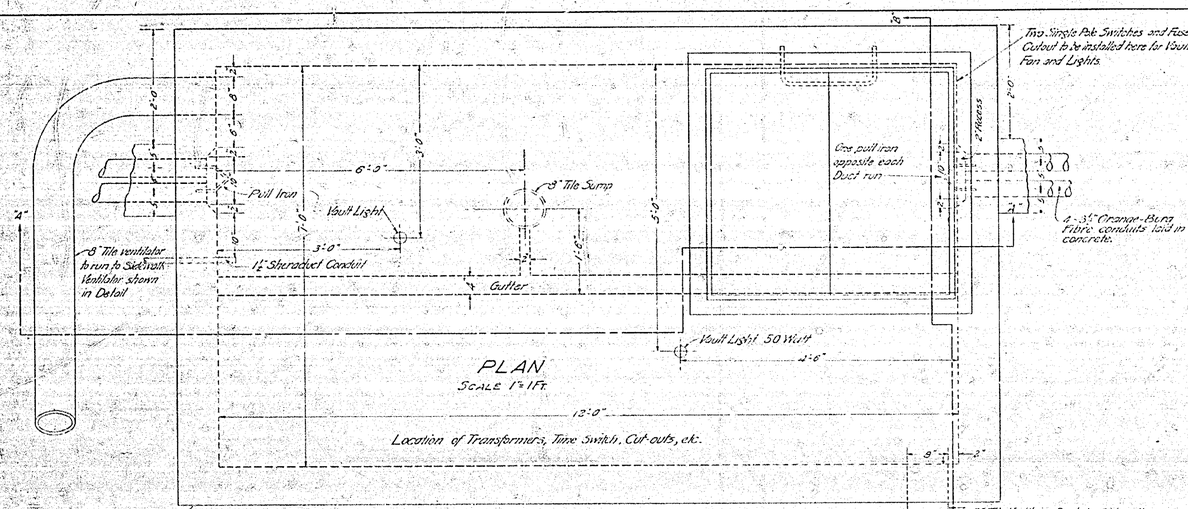
To be installed under this Improvement

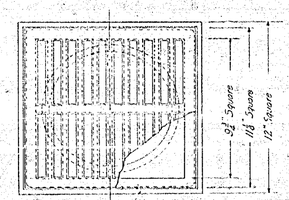


FILE 116-C
SUBJECT A-1172
SHEET 9
TOTAL 17
BUENA
VISTA
DRIVE
1½" Conduit 1 ft. from Curb
Face of Curb
Curb
Construct 1100'-2" gal. iron pipe with ¾" gal. iron services 10' long spaced every 125' with 2 garden valves on each.
P.C. 22+41.72
P.C. 20+55.33
P.T. 21+71.97
End of Conduit and Cable
P.T. 18+23.65
P.C. 14+99.75
Lt. Std. Nº 21
Lt. Std. Nº 20
Lt. Std. Nº 19
Lt. Std. Nº 18
Lt. Std. Nº 17
Lt. Std. Nº 16
Lt. Std. Nº 15
Lt. Std. Nº 14
Lt. Std. Nº 13
Lt. Std. Nº 12
Lt. Std. Nº 11
Lt. Std. Nº 10
Lt. Std. Nº 9
99.5
56
RUBIDOUX
DRIVE
WEST 7th STREET
ROSE WAY
Existing 4" Std. Screw Pipe
Construct 400' 6" C.I. Pipe
Note: Cable from Feed Pole to vault and all appurtenances at Feed Point will be installed by the Electric Light Dept. of the City of Riverside at the Contractors expense
4-3½" fibre ducts encased in Concrete
Concrete Transformer Vault
Const. 10'-6" C.I. Pipe
Connect to existing 2" Main with 4" C.I. Plug tapped and threaded for 2" Pipe
Existing 2" Main
Plan of
BUENA VISTA
showing the location of
conduits, duct lines and
Also water mains, gate valves
Scale: 1in. = 100 ft.
2500 Volt Primary
D. and W. Oil Fuses in Vault
Anderson time switch in vault
Transformers in vault
#6 Stranded bare copper wire ground return
Nº 21
Nº 20
Nº 19
Nº 18
Nº 17
Nº 16
Nº 15
Nº 14
Nº 13
Nº 12
Nº 11
Nº 10
Nº 9
Nº 8
Nº 7
Nº 6
Nº 5
Nº 4
Nº 3
Nº 2
Nº 1
North side lamps on midnight circuit
South side lamps on all night circuit
All night circuit
Midnight Circuit
Construct 1½" conduit only on overhead bridge.
WIRING DIAGRAM
showing all night and midnight circuits

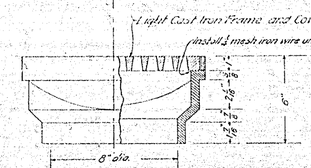
FILE	SUBJECT	SHEET	TOTAL
116-C	Amdt No 2	10	17

PLAN
SCALE 1"=1Ft.

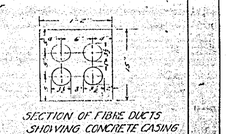




City of Riverside Standard Light Dept. Dwg. No 56

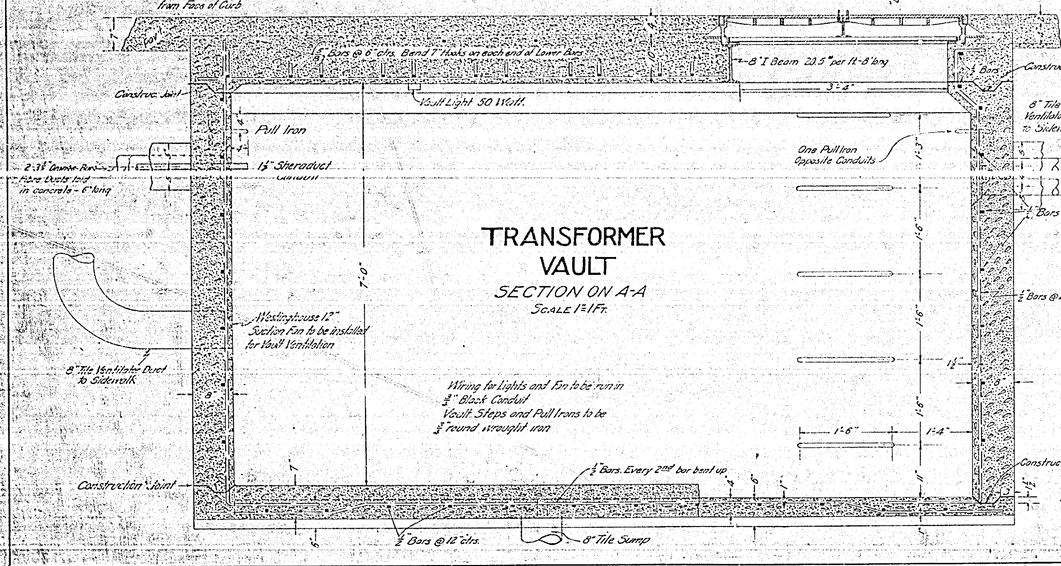


DETAIL OF VENTILATOR IN SIDEWALK
SCALE 3"=1Ft.

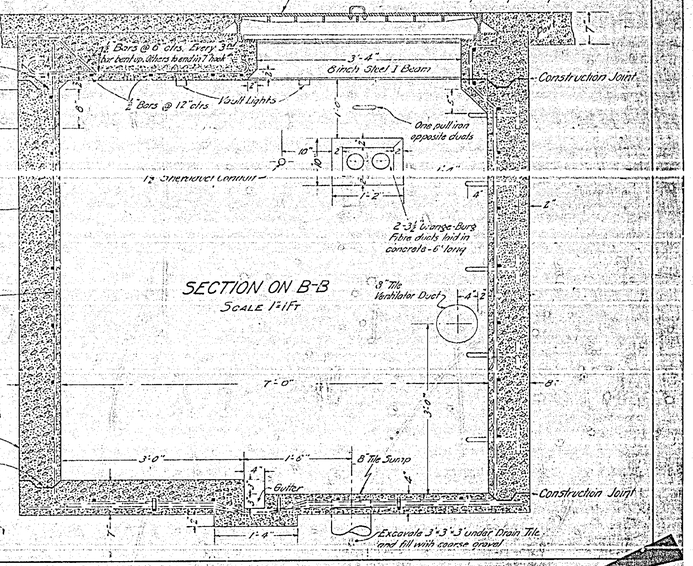


SECTION OF FIBRE DUCTS SHOWING CONCRETE CASING
Scale: 1in = 1ft.

TRANSFORMER VAULT
SECTION ON A-A
SCALE 1"=1Ft.



SECTION ON B-B
SCALE 1"=1Ft.

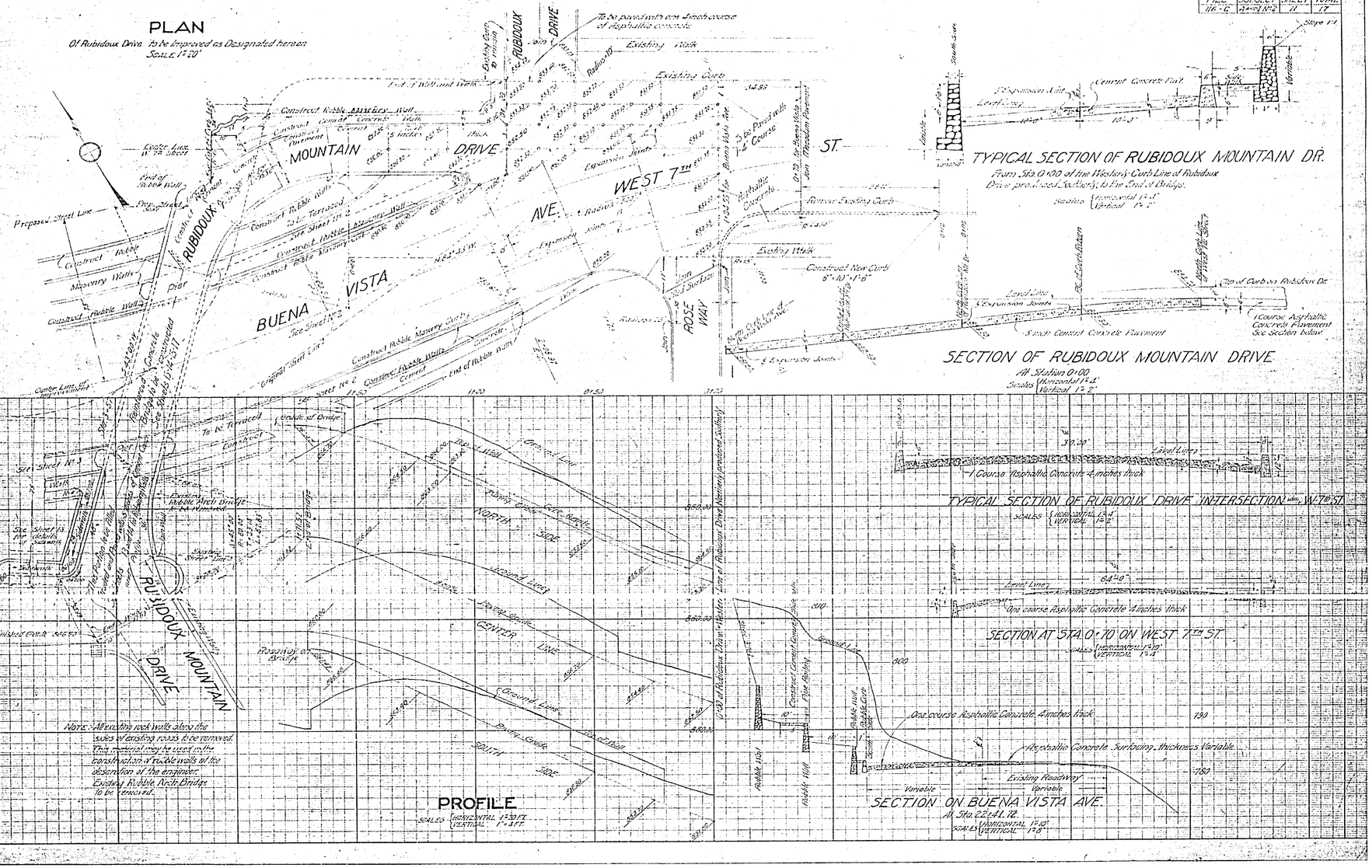


FILE	SUBJECT	SHEET	TOTAL
116-G	Area No 2	11	17

PLAN

Of Rubidoux Drive to be Improved as Designated hereon

SCALE 1" = 20'



PROFILE

SCALES { HORIZONTAL 1"=30 FT.
VERTICAL 1"=5 FT.

TYPICAL SECTION OF RUBIDOUX MOUNTAIN DR.

From Sta 0+00 of the Western Curb Line of Rubidoux Drive produced Southerly, to the East of Bridge.

Scales { Horizontal 1"=1'
Vertical 1"=1'

SECTION OF RUBIDOUX MOUNTAIN DRIVE

At Station 0+00

Scales { Horizontal 1"=1'
Vertical 1"=2'

TYPICAL SECTION OF RUBIDOUX DRIVE INTERSECTION with WEST 7TH ST.

SCALES { Horizontal 1"=1'
Vertical 1"=2'

SECTION AT STA. 0+70 ON WEST 7TH ST.

SCALES { Horizontal 1"=10'
Vertical 1"=2'

SECTION ON BUENA VISTA AVE.

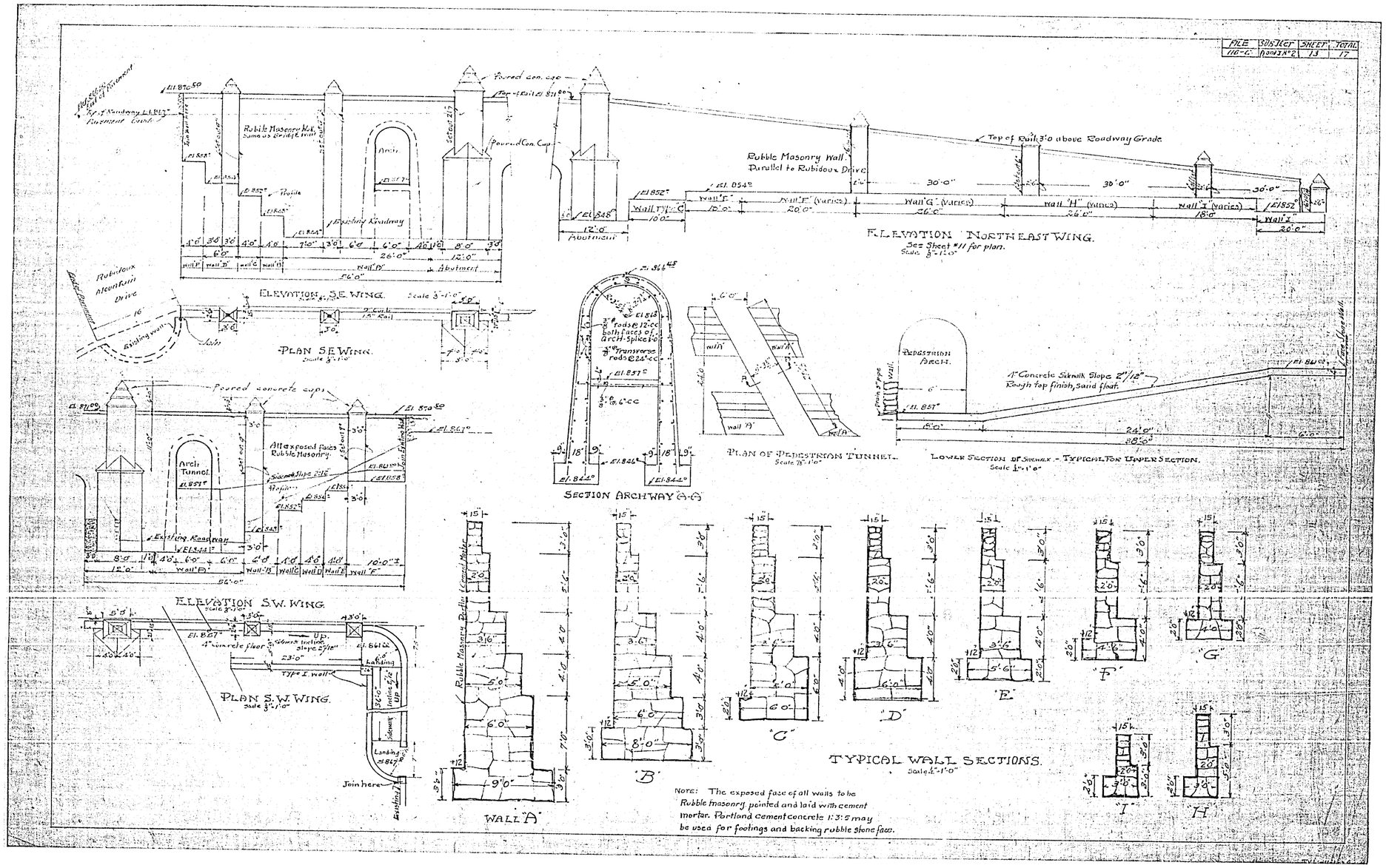
At Sta. 22+41.72

SCALES { Horizontal 1"=10'
Vertical 1"=2'

FILE	SUBJECT	SHEET	TOTAL
116-C	[illegible]	12	17

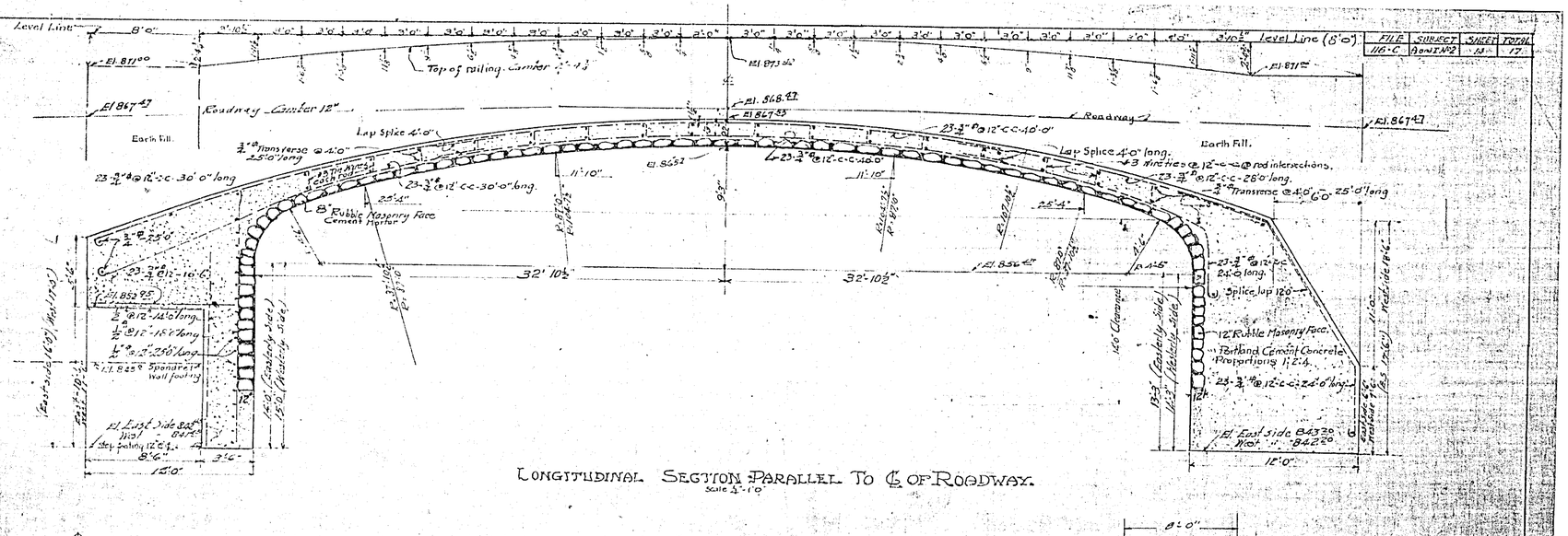
PLAN
SHOWING NEW LOCATION OF
A PORTION OF
THE SOUTHERLY ROADWAY OF
BUENA VISTA AVENUE
Scale: 1 inch = 50 feet

PROFILE
OF A PORTION OF
THE SOUTHERLY ROADWAY OF
BUENA VISTA AVENUE
Scales: Hor. 1 inch = 50 feet, Vert. 1 inch = 8 feet

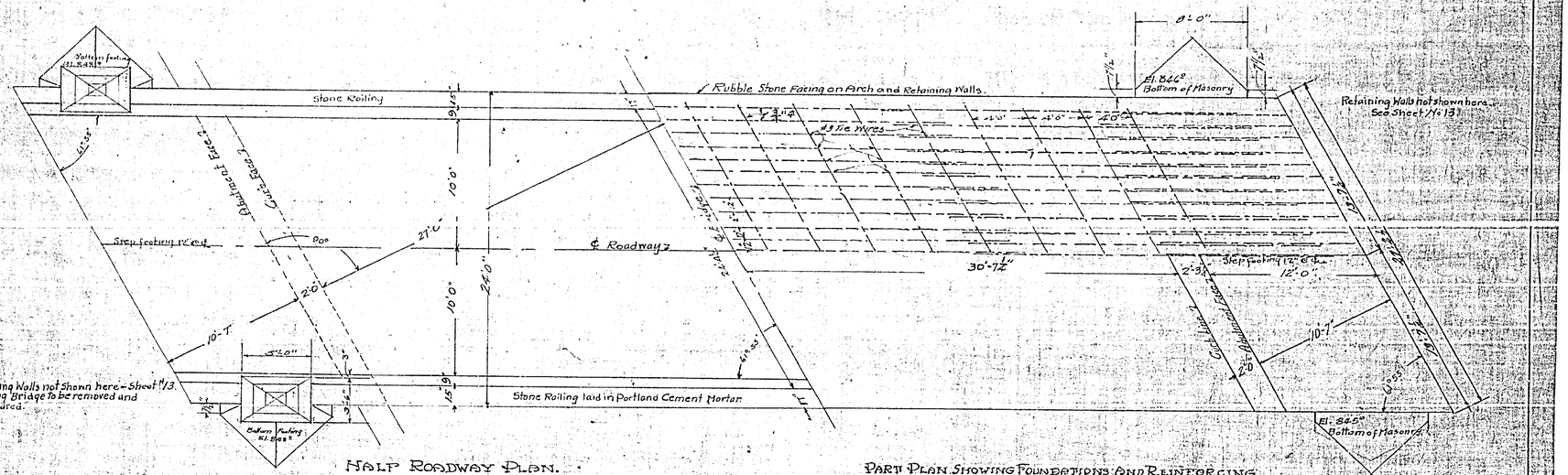


FILE 116-C
SUBJECT Road No 2
SHEET 13
TOTAL 17
ELEVATION S.E. WING.
PLAN S.E. WING.
ELEVATION NORTHEAST WING.
See Sheet #11 for plan.
Top of Rail 3'-0 above Roadway Grade
Rubble Masonry Wall Parallel to Rubidoux Drive
Rubidoux Mountain Drive
Existing Roadway
Poured concrete cap
Arch Tunnel
All exposed faces Rubble Masonry
ELEVATION S.W. WING.
PLAN S.W. WING.
Join here
SECTION ARCHWAY A-A
PLAN OF PEDESTRIAN TUNNEL.
PEDESTRIAN ARCH.
4" Concrete Sidewalk Slope 2"/12" Rough top finish, sand float.
LOWER SECTION OF SIDEWALK - TYPICAL FOR UPPER SECTION.
WALL "A"
"B"
"C"
"D"
"E"
"F"
"G"
"H"
"I"
TYPICAL WALL SECTIONS.
Note: The exposed face of all walls to be Rubble masonry pointed and laid with cement mortar. Portland cement concrete 1:3:5 may be used for footings and backing rubble stone face.

FILE	SUBJECT	SHEET	TOTAL
116-C	Item No 2	13	17



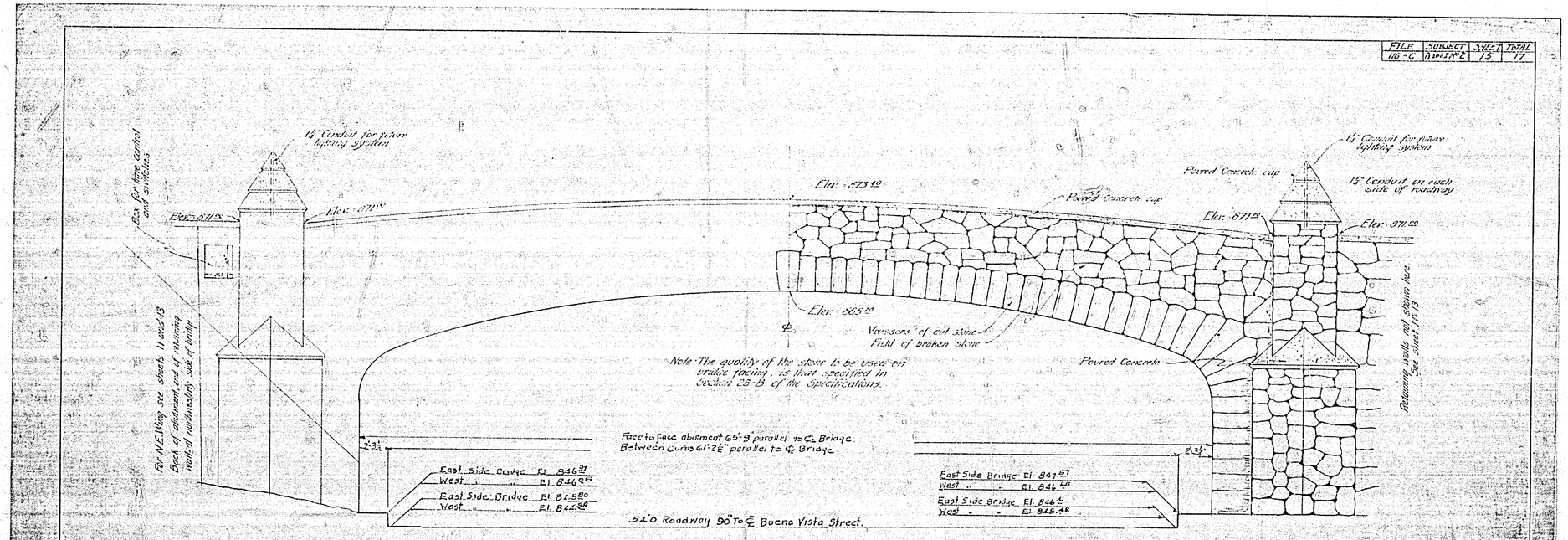
LONGITUDINAL SECTION PARALLEL TO ℄ OF ROADWAY.
Scale ¼"-1'0"



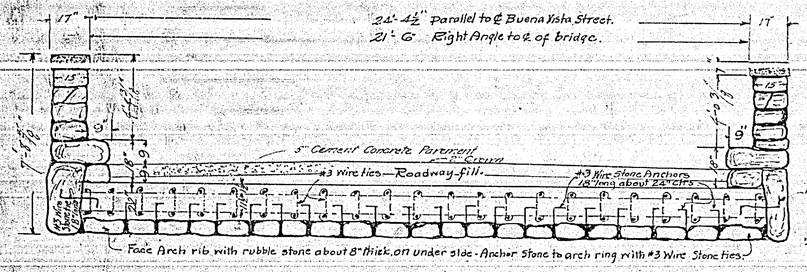
HALF ROADWAY PLAN.
Scale ¼"-1'-0"

PART PLAN SHOWING FOUNDATIONS AND REINFORCING.

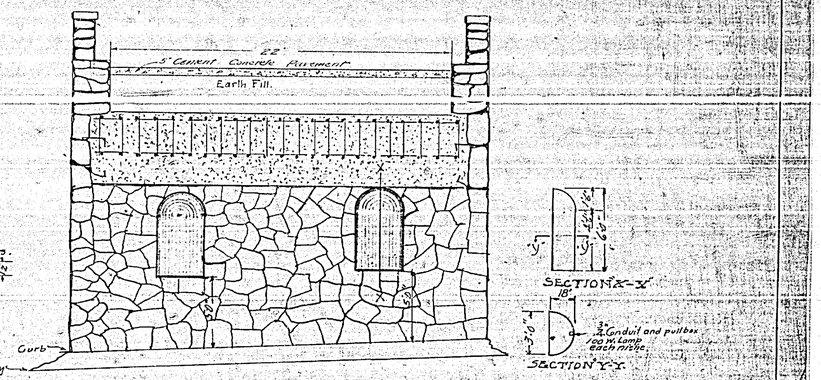
FILE	SUBJECT	SHEET	TOTAL
116-C	Abutments	15	17



WESTERLY ELEVATION.
Scale: ¼" 1'-0"

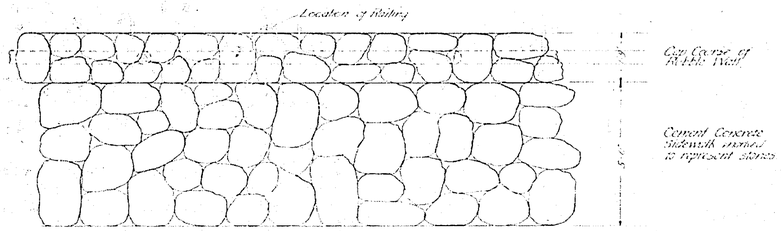


TRANSVERSE SECTION AT CROWN ON SKEW OF 28°05' RIGHT.
Scale ½"-1'0"



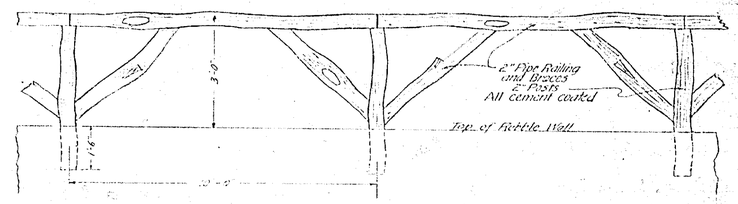
ROADWAY FACE OF ABUTMENT
Scale ½"-1'0"

FILE	SUBJECT	SHEET	TOTAL
116-C	A and B #2	16	17



PART PLAN OF SIDEWALK

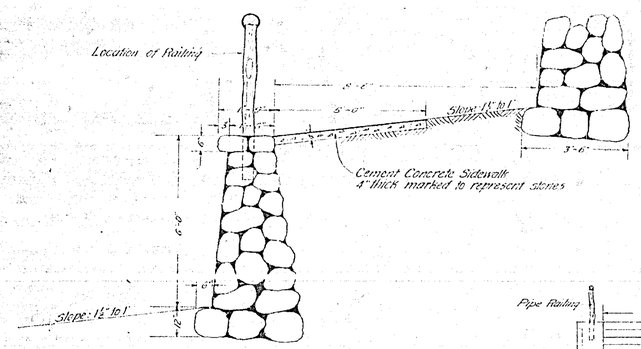
To be constructed on the 2nd terrace above the roadway on the southerly side of the improvement of Buena Vista Avenue
Scale: 1 inch = 2 feet



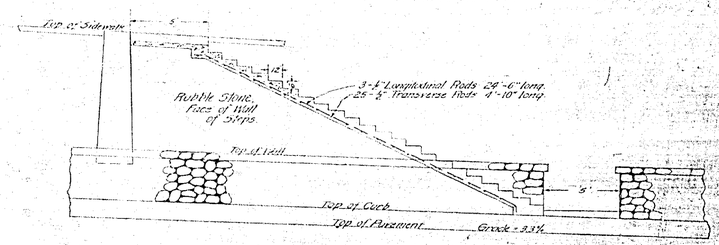
PART ELEVATION
OF CEMENT COATED PIPE RAILING

To be constructed on Rubble Wall along the street side of the sidewalk. Also on steps
Scale: 1 inch = 2 ft.

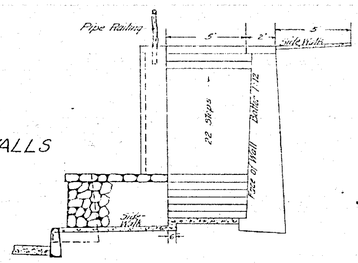
Note: Railing, Posts and Braces to consist of 2" black pipe, coated with cement, and marked to represent tree trunks and limbs.



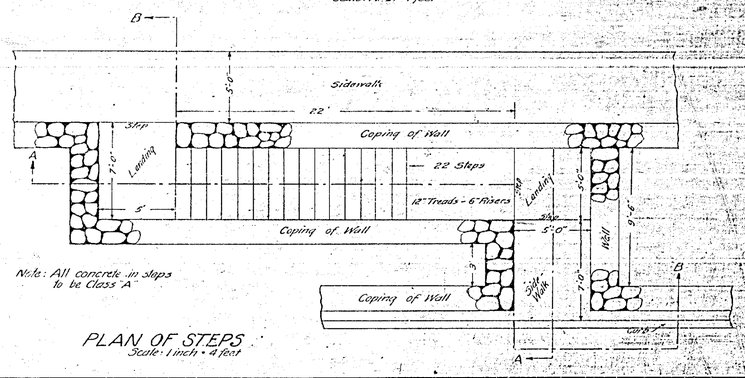
CROSS-SECTION
OF SIDEWALK & RUBBLE WALLS
Scale: 1 inch = 2 feet



SECTION ON A-A
Scale: 1 inch = 4 feet



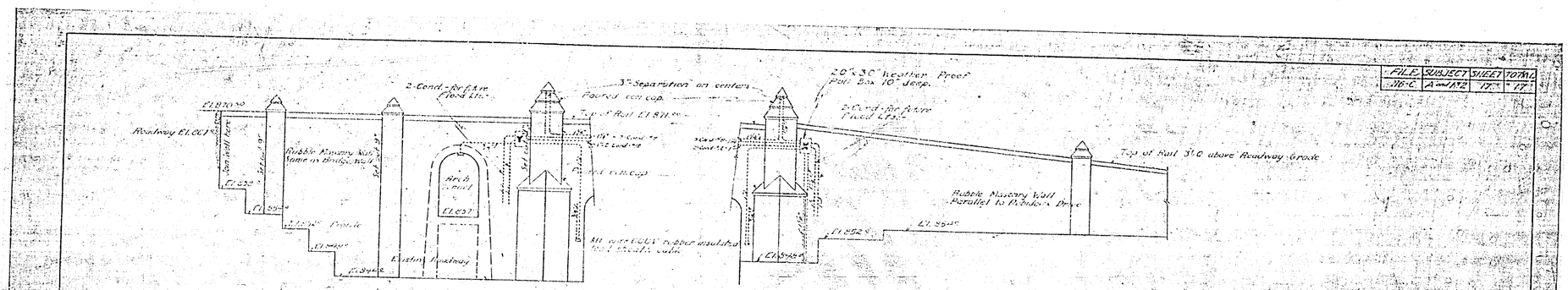
SECTION ON B-B
Scale: 1 inch = 4 feet



Note: All concrete in steps to be Class "A"

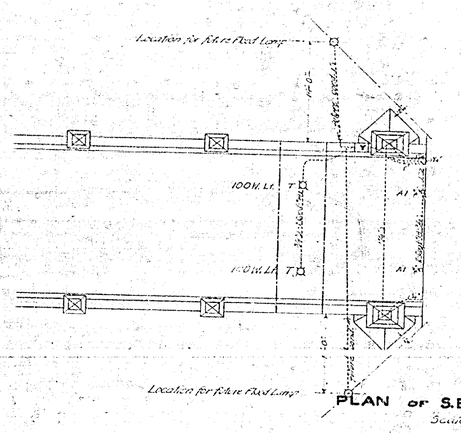
PLAN OF STEPS
Scale: 1 inch = 4 feet

FILE	SUBJECT	SHEET	TOTAL
16-C	A and AZ	17	17

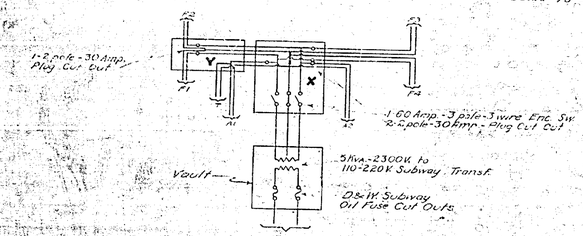


ELEVATIONS ON S.E. AND N.E. WINGS
Scale 1/8"=1'-0"

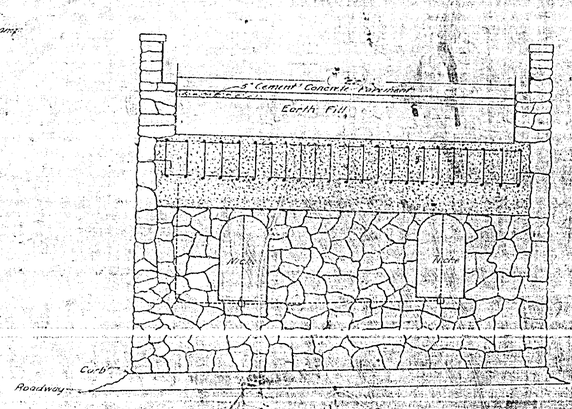
Tunnel lights to be Crouse-Hinds 12 catalogue # V2759 and 1-VCR750, each complete with 100W.-115V. lamp or equal.



PLAN OF S.E. AND N.E. WINGS
Scale 1/8"=1'-0"



SCHEMATIC WIRING DIAGRAM



ROADWAY FACE OF ABUTMENT
Scale 1/8"=1'-0"

DETAILS OF NICHE
Scale 1/4"=1'-0"