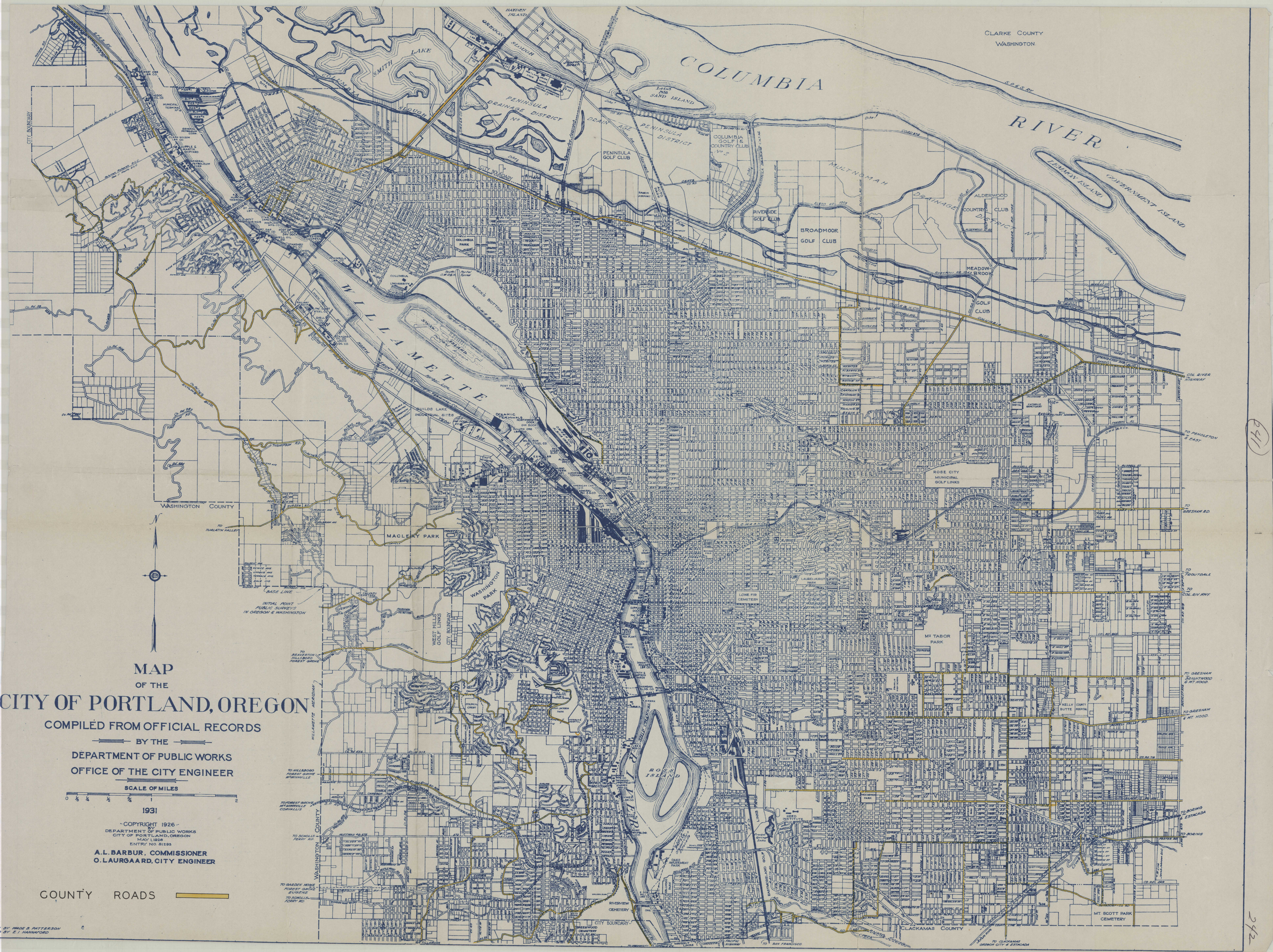




MAP
OF THE
CITY OF PORTLAND, OREGON

COMPILED FROM OFFICIAL RECORDS

BY THE
DEPARTMENT OF PUBLIC WORKS
OFFICE OF THE CITY ENGINEER

SCALE OF MILES
0 1/4 1/2 3/4 1 1 1/2 2

1931

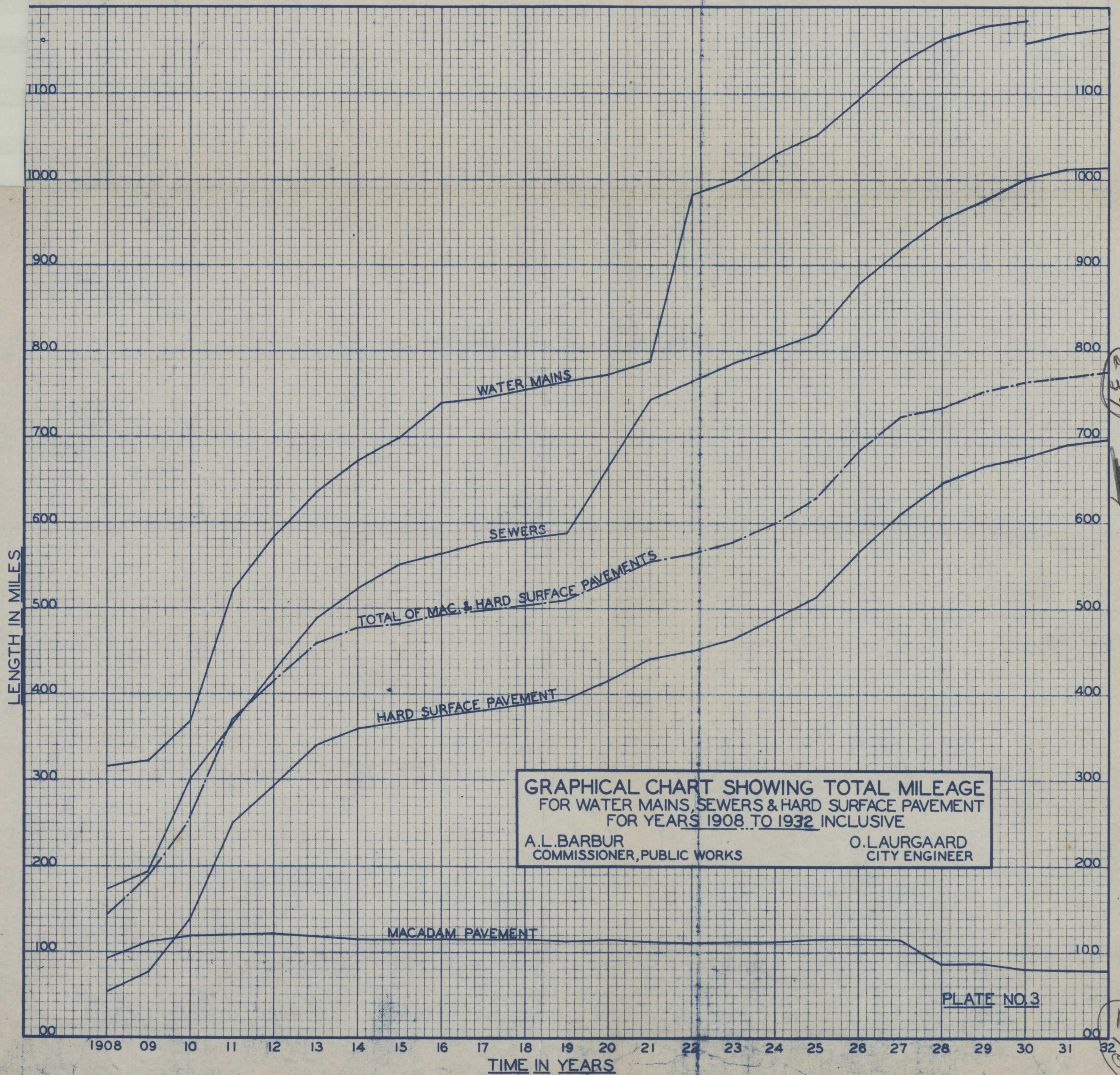
COPYRIGHT 1926
DEPARTMENT OF PUBLIC WORKS
CITY OF PORTLAND, OREGON
MAY 1, 1926
ENTRY NO. 91293

A.L. BARBUR, COMMISSIONER
O. LAURGAARD, CITY ENGINEER

COUNTY ROADS

241

242



GRAPHICAL CHART SHOWING TOTAL MILEAGE
FOR WATER MAINS, SEWERS & HARD SURFACE PAVEMENT
FOR YEARS 1908 TO 1932 INCLUSIVE

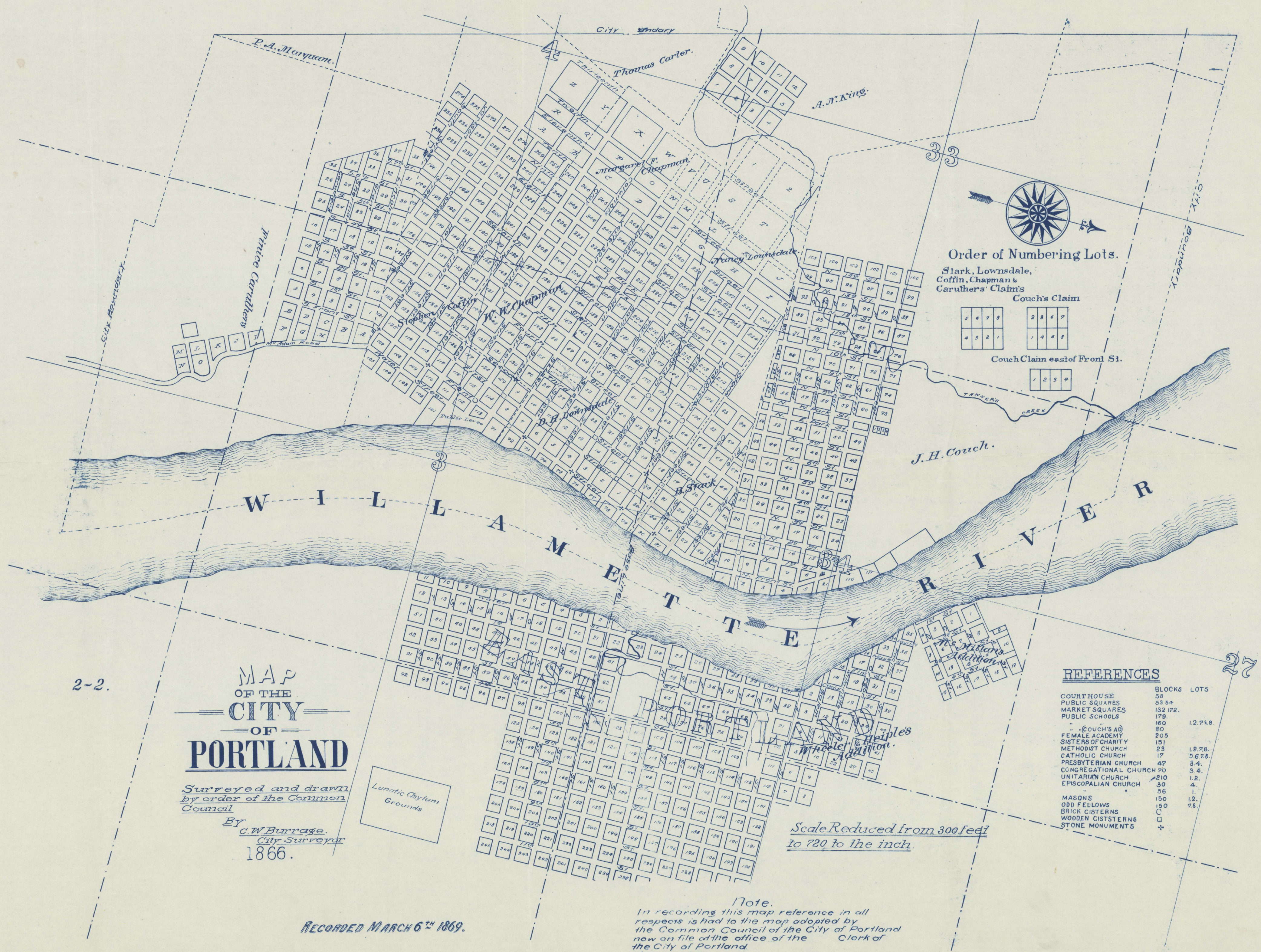
A.L. BARBUR
COMMISSIONER, PUBLIC WORKS

O. LAURGAARD
CITY ENGINEER

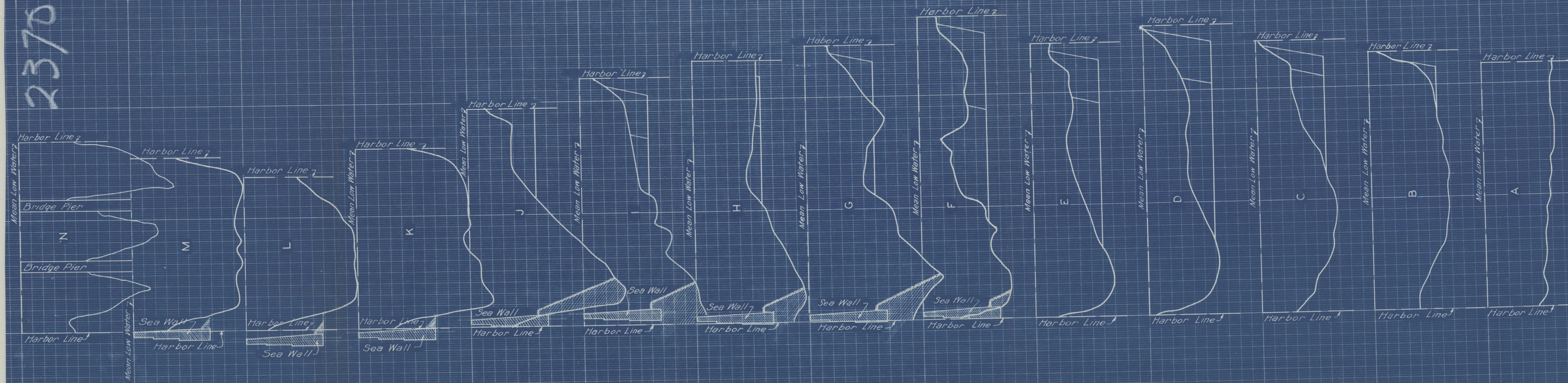
PLATE NO. 3

239

240



2370

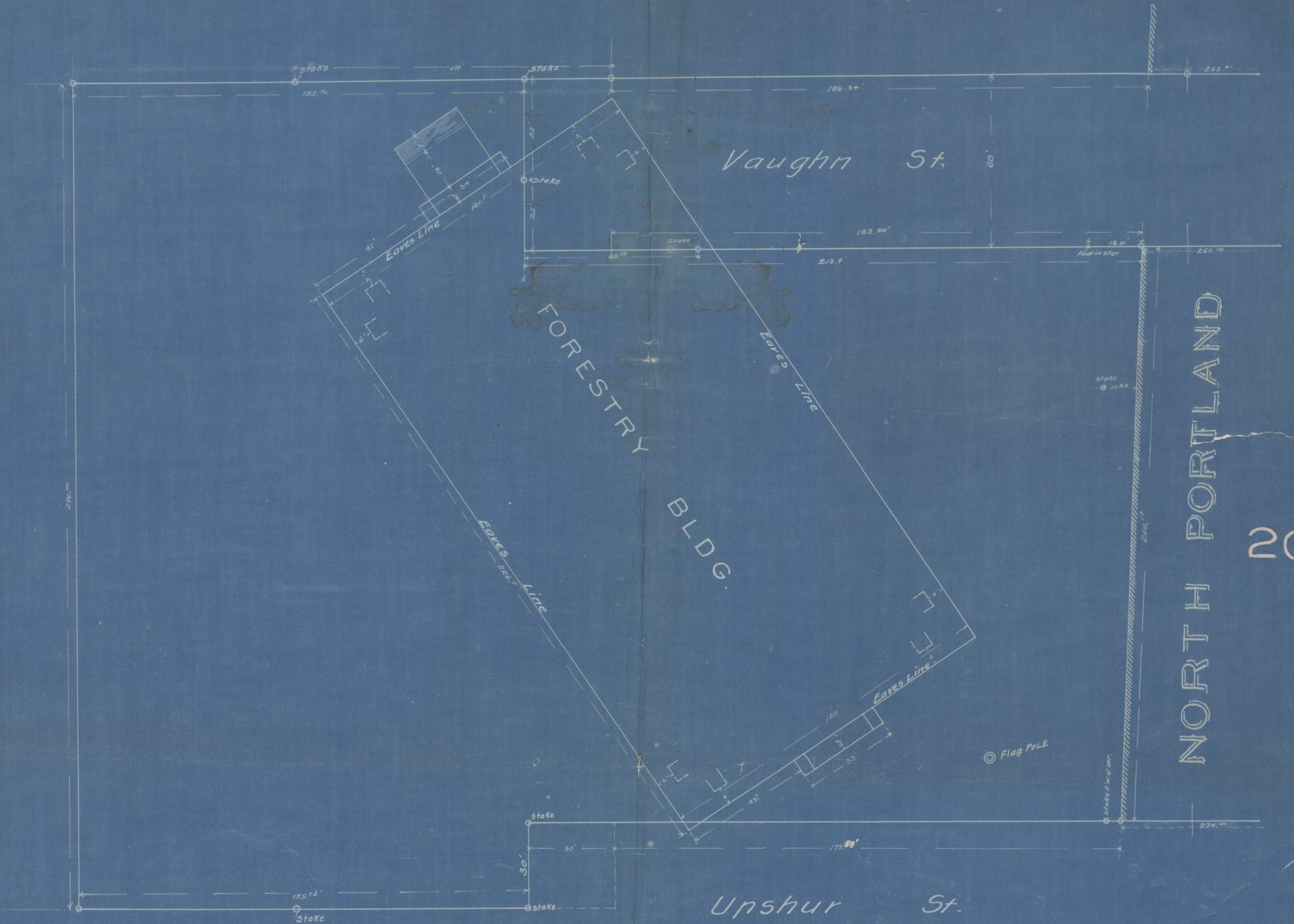


Scale Horizontal 1" = 200 Feet
Vertical 1" = 20 Feet



THE PORT OF PORTLAND
EXHIBIT MAP
AND
CROSS SECTION MAP
SCALE 1" = 200 FEET
JAN 26 1927
Approved *James H. Polhemus*
GENL MGR & CHIEF ENGR.
All soundings are shown in feet and
show depth at Mean Low Water. U.S. Datum

2370



Plot Showing Location

Forestry Bldg.

~ Scale 1 in. = 20 ft. ~

St.

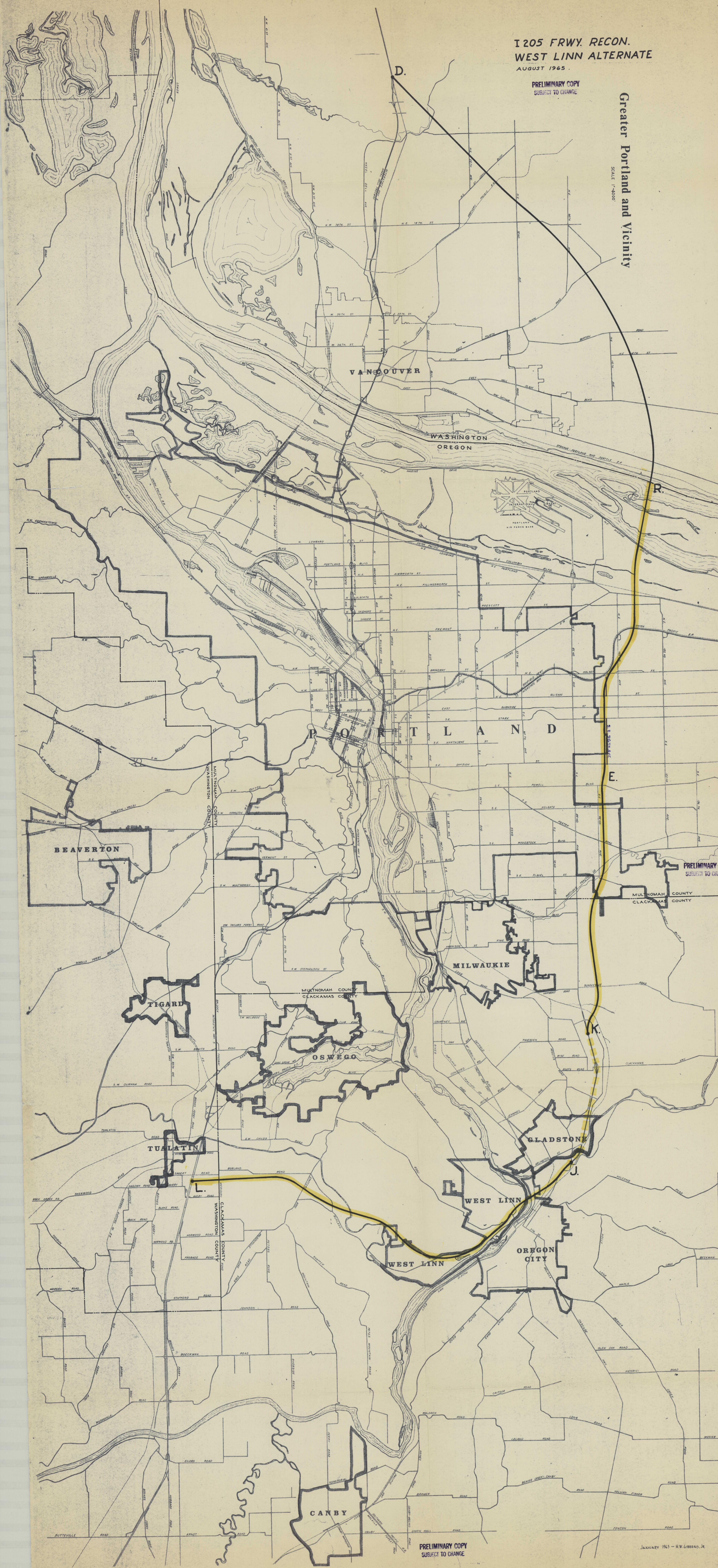
28th

Thurman St.

I 205 FRWY. RECON.
WEST LINN ALTERNATE
AUGUST 1965.

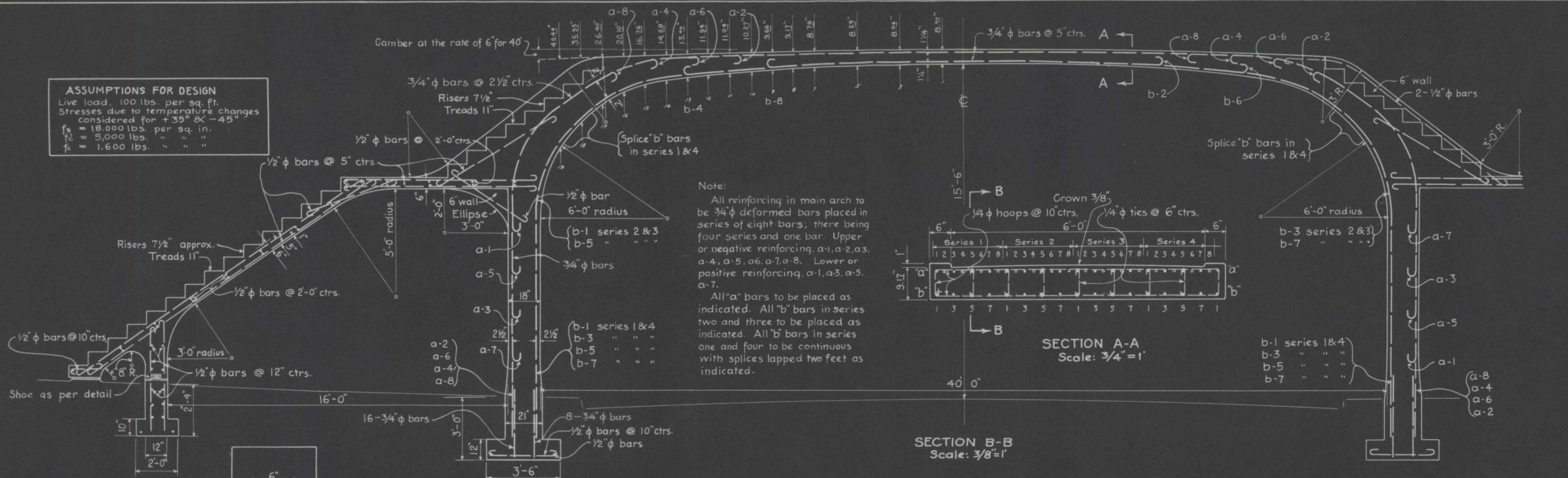
PRELIMINARY COPY
SUBJECT TO CHANGE

Greater Portland and Vicinity
SCALE 1"=4000'

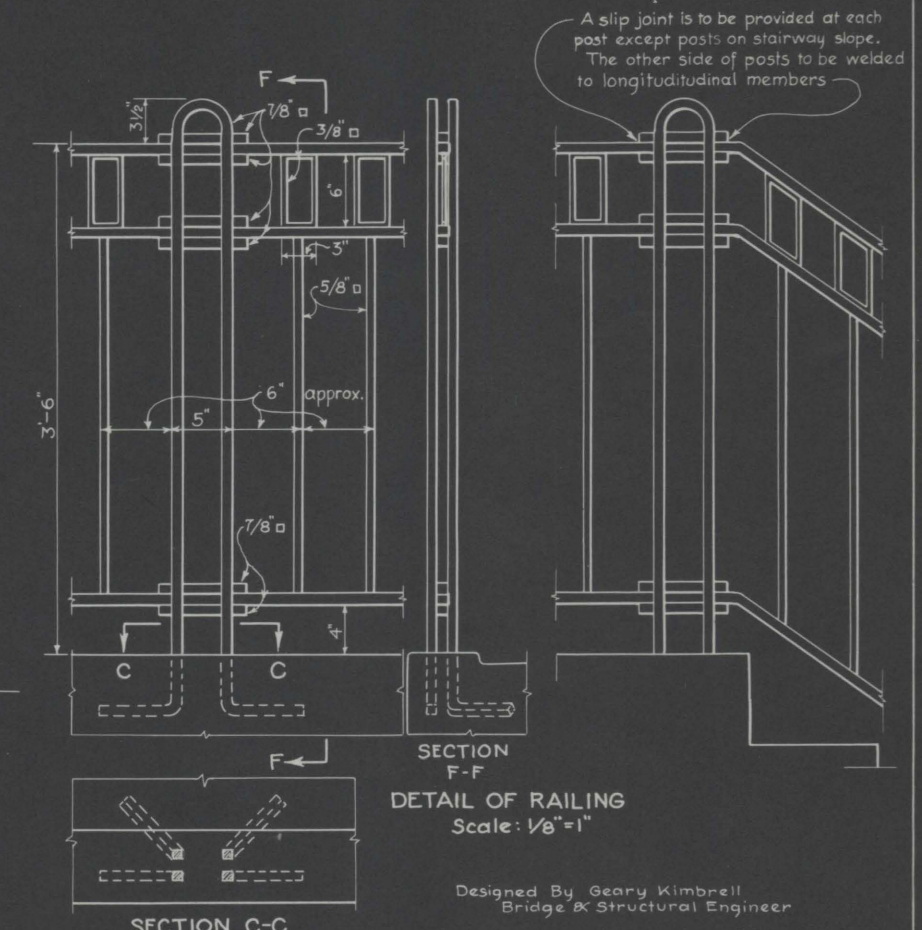
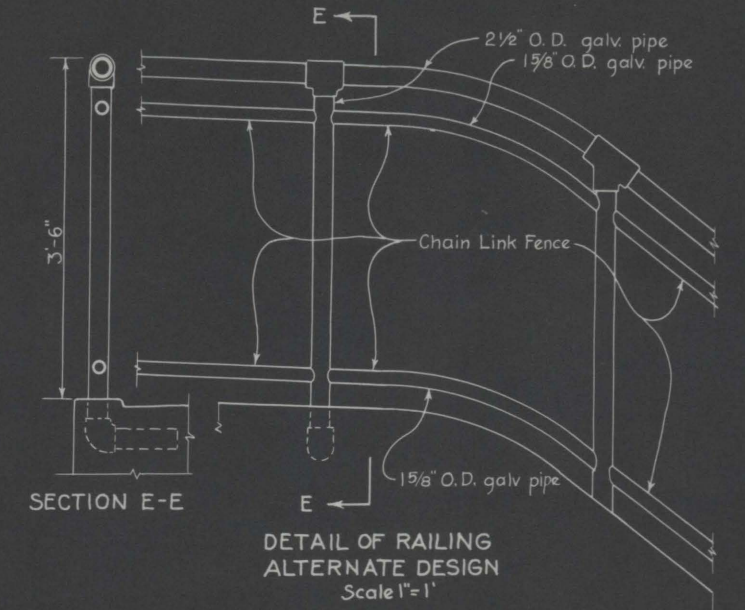


PRELIMINARY COPY
SUBJECT TO CHANGE

ASSUMPTIONS FOR DESIGN
 Live load, 100 lbs. per sq. ft.
 Stresses due to temperature changes
 considered for $+35^{\circ}\text{F}$ to -45°F
 $f_s = 18,000$ lbs. per sq. in.
 $f_c = 5,000$ lbs. " " "
 $f_c = 1,600$ lbs. " " "

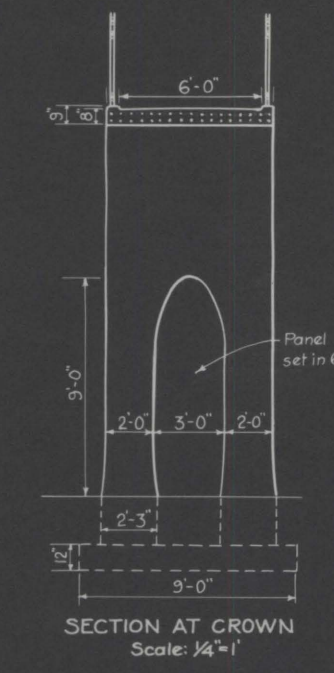


Note:
 All reinforcing in main arch to be $\frac{3}{4}$ " ϕ deformed bars placed in series of eight bars, there being four series and one bar. Upper or negative reinforcing, a-1, a-2, a-3, a-4, a-5, a-6, a-7, a-8. Lower or positive reinforcing, a-1, a-3, a-5, a-7.
 All "a" bars to be placed as indicated. All "b" bars in series two and three to be placed as indicated. All "b" bars in series one and four to be continuous with splices lapped two feet as indicated.

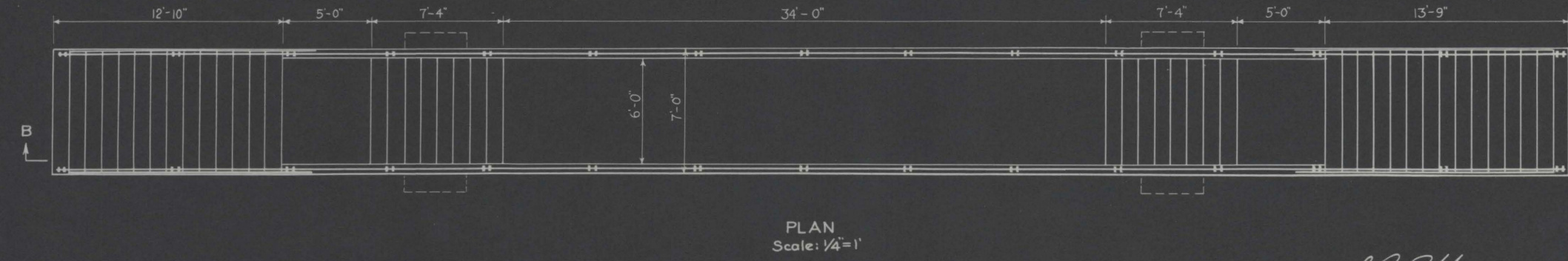
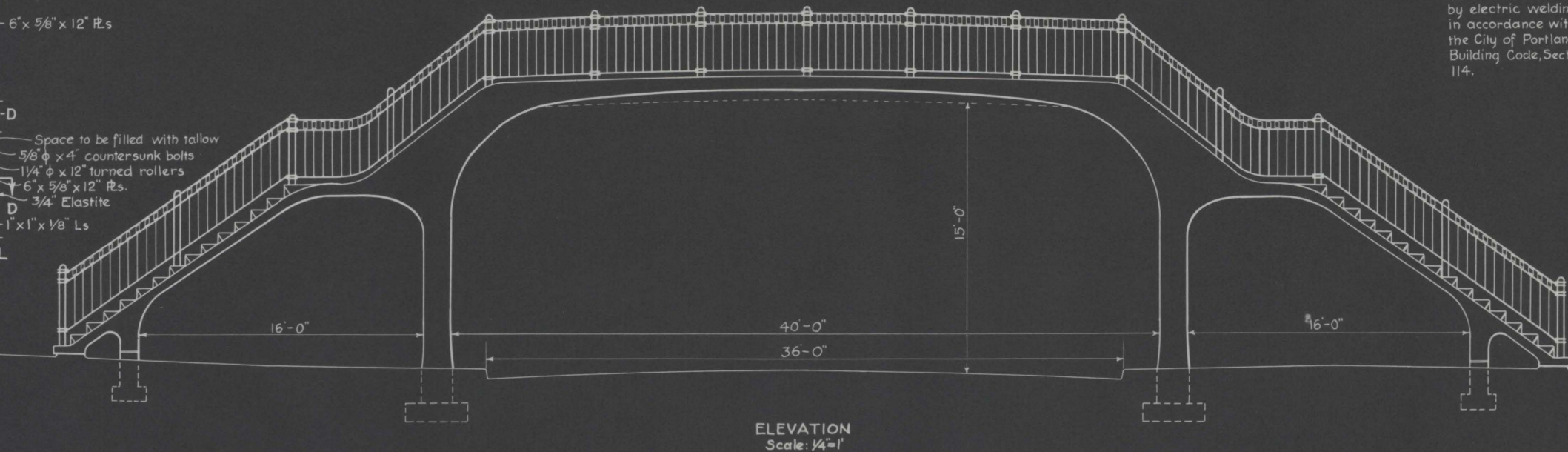


All fabrication of handrail to be done by electric welding in accordance with the City of Portland Building Code, Section 114.

A slip joint is to be provided at each post except posts on stairway slope. The other side of posts to be welded to longitudinal members.



SHOE DETAIL
 Scale: $\frac{1}{8}"=1'$
 Space to be filled with tallow
 $\frac{5}{8}$ " ϕ x 4" countersunk bolts
 $\frac{1}{4}$ " ϕ x 12" turned rollers
 $6 \times 5/8 \times 12$ R.S.
 $\frac{3}{4}$ " Elastite
 $1 \times 1 \times \frac{1}{8}$ Ls



APPROXIMATE QUANTITIES
 Concrete: 35 cubic yards
 Steel reinforcing: 6,500 lbs.
 Steel railing: 3,800 lbs.

Approved: *[Signature]* 10-14-41
 Engineering Bureau Chief
 Reg. Prof. Engr. No. 219, Nov. 8, 1919
 Approved: *[Signature]* 10-16-41
 City Engineer

CITY OF PORTLAND OREGON
 DEPARTMENT OF PUBLIC WORKS
 WM. A. BOWES COMMISSIONER

 PLAN
 OF A PROPOSED
 REINFORCED CONCRETE
 PEDESTRIAN VIADUCT
 FOR OVERHEAD CROSSING OF N.W. 26TH AVE.
 AT
 CHAPMAN SCHOOL

 BEN S. MORROW, CITY ENGINEER
 SEPTEMBER 1941

INDEX OF SHEETS		
SHEET NO.	DESCRIPTION	STA. TO STA.
1	Title Sheet	
2 & 2A	Summary & Typical Sections	
3-14	Plan & Profile	

DRG. No.
2038 *Standard Structures*

STATE OF OREGON

STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED

STATE HIGHWAY

FEDERAL AID PROJECT

COLUMBIA BLVD.- HARDING AVE. SEC.

PACIFIC HIGHWAY WEST (on INTERSTATE AVE.)

PORTLAND - MULTNOMAH COUNTY

SCALES { PLAN 1 IN. = 100 FT.
 { PROFILE, HORIZ. 1 IN. = 100 FT., VERT. 1 IN. = 10 FT.

APRIL, 1938

COLUMBIA BLVD.- HARDING AVE. SEC.				SHEET No.
PACIFIC HIGHWAY WEST (ON INTERSTATE AVENUE)				1
PORTLAND - MULTNOMAH COUNTY				
FED. ROAD DIST. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
1	OREGON	160-A		14

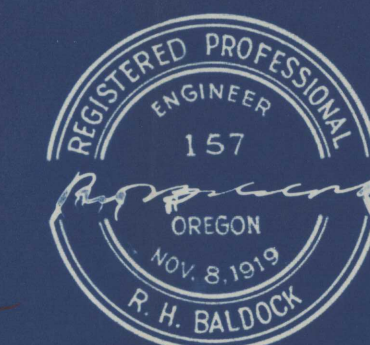


CONVENTIONAL SIGNS

STATE LINE	-----	BASE OR SURVEY LINE	-----
COUNTY LINE	-----	RAILROADS	-----
CITY VILLAGE OR BOROUGH	-----	RETAINING WALL	-----
TOWNSHIP LINE	-----	CULVERTS	-----
SECTION LINE	-----	DROP INLET	-----
DONATION LAND CLAIM LINE	-----	TROLLEY POLE	-----
FENCE LINE	-----	POWER POLE	-----
GUARD RAIL	-----	TELEPHONE OR TELEGRAPH POLES	-----
UNFENCED PROPERTY	-----	MARSH	-----
RIGHT-OF-WAY LINE	-----	IRRIGATION DITCHES	-----
EXISTING ROADS	-----	BRIDGES	-----
TRAILS	-----		

Sketch Map

Scale: 1" = 2000'



STATE HIGHWAY COMMISSION

HENRY F. CABELL, Chairman
E. B. ALDRICH, Commissioner
F. L. TOU VELLE, Commissioner

R. H. Baldock
STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER - BUREAU OF PUBLIC ROADS
DEPT. OF AGRICULTURE

RECOMMENDED FOR APPROVAL

CHIEF ENGINEER - BUREAU OF PUBLIC ROADS
DEPT. OF AGRICULTURE

APPROVED

CHIEF OF BUREAU - BUREAU OF PUBLIC ROADS
DEPT. OF AGRICULTURE

1. See plans for variations from Typical Sections.
2. Pavements to be superelevated, crowned or warped as directed.
3. Crown, curb heights, curb details, etc. to be varied to meet existing conditions.
4. Where street car tracks & track pavement are removed, width of new pavement to replace portion removed is subject to variation from approx. width shown on Typical Section.

COLUMBIA BLVD - HARDING AVE. SEC. PACIFIC HWY WEST (ON INTERSTATE AVE.) PORTLAND - MULTNOMAH CO.				SHEET NO. 2
FED. ROAD DIST. NO	STATE	FED. AID PROJ. NO	FISCAL YEAR	TOTAL SHEETS
1	OREGON	160-A		14

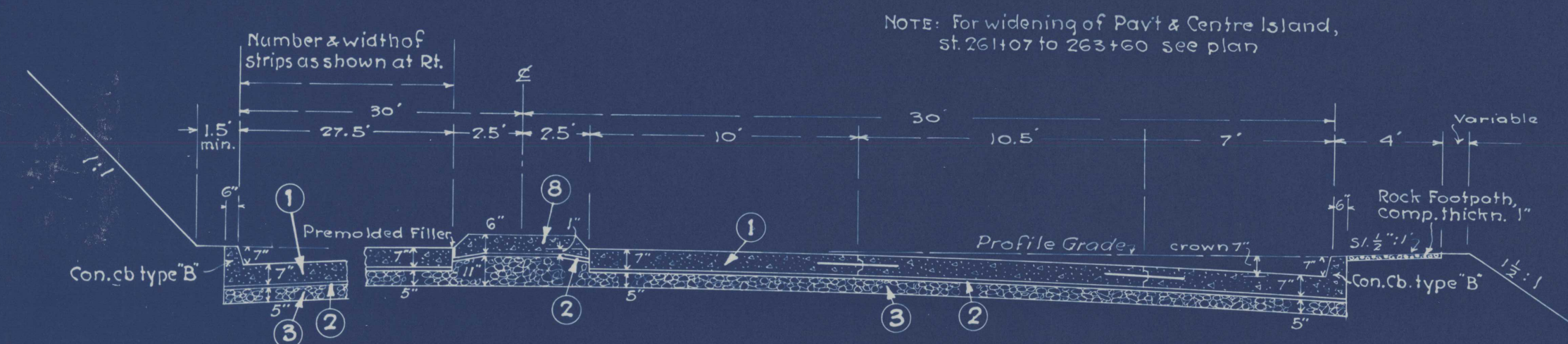
HALF SECTION F
Sta. 219+81 to Sta. 228+96

NOTE: Sec.F is also to be used on Left side from
sta 249+95 to 252+55 as far as applicable.

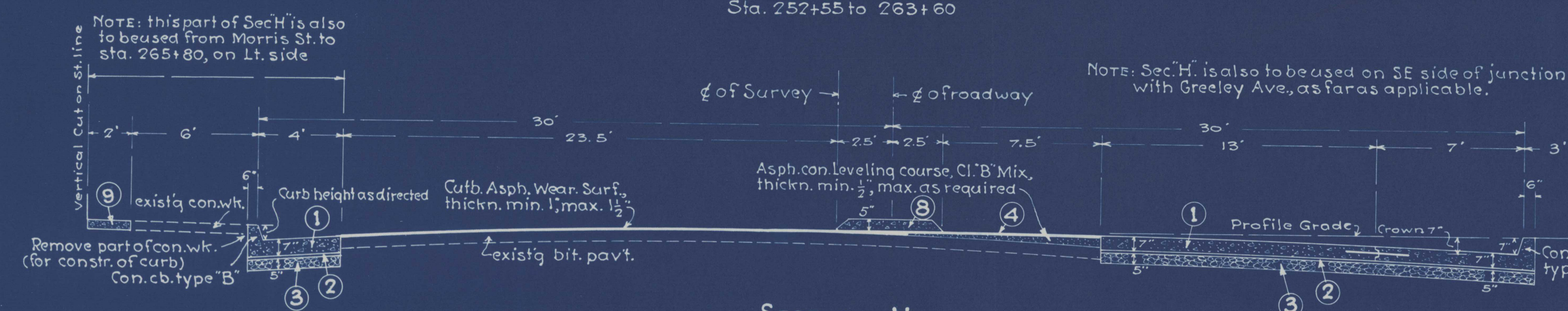
Method of Feathering New Bituminous Pavement over Existing Pavement

Asphaltic Conc. Leveling Course
Class "B" Mix, min. thickness $\frac{1}{2}$ "

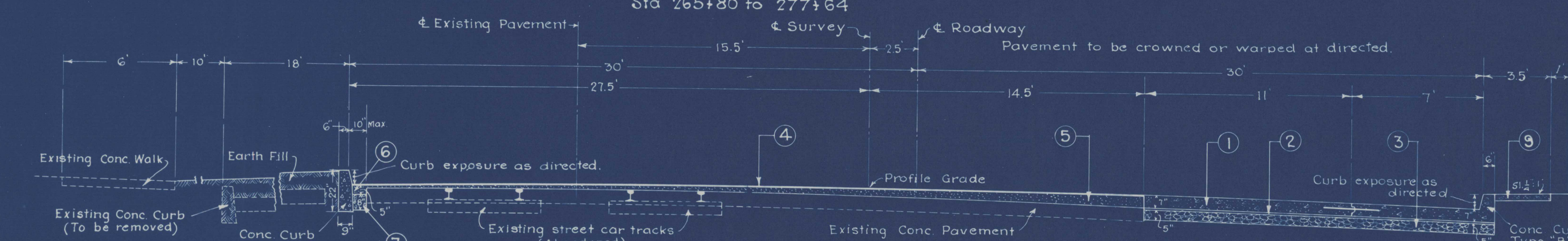
NOTE: For LEGEND see sheet 2



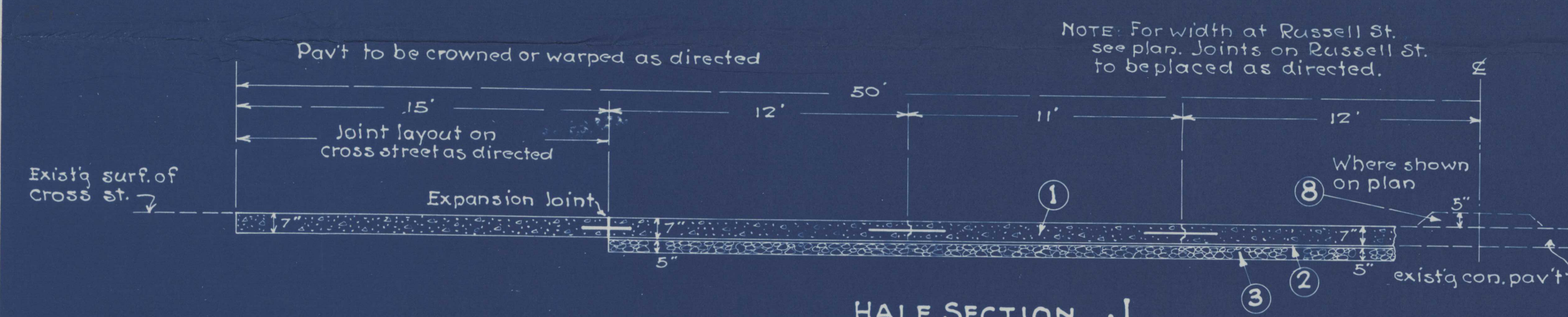
SECTION G
Sta. 252+55 to 263+60



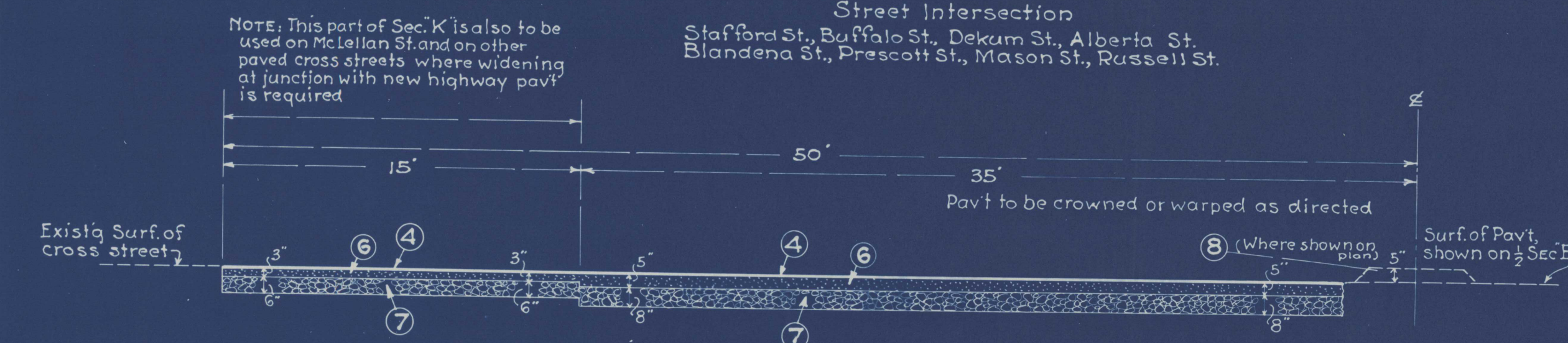
SECTION H
Sta. 265+80 to 277+64



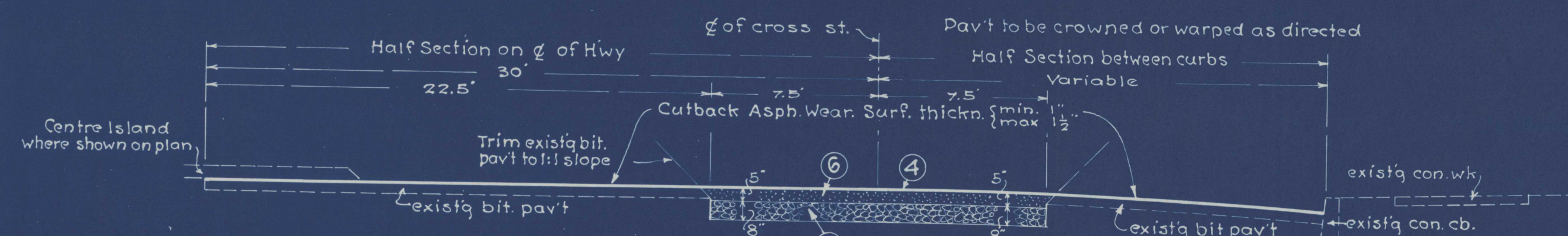
SECTION I
Sta. 278+24 to 279+70



HALF SECTION J
Street Intersection

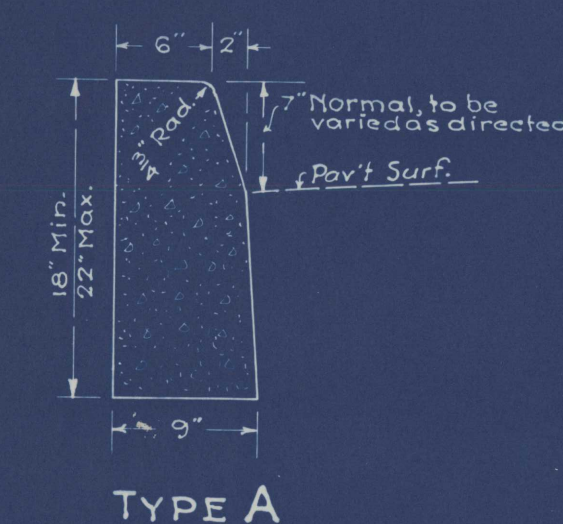


SECTION K
Street Intersection
Emerson Street

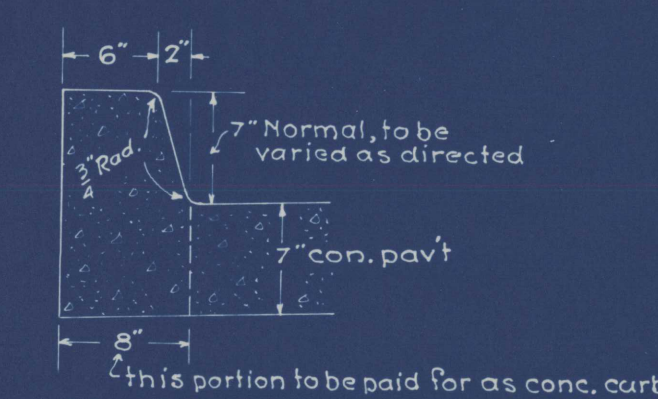


SECTION L
Street Intersections
Killingsworth Street & Shaver St.

CONCRETE CURB DETAILS

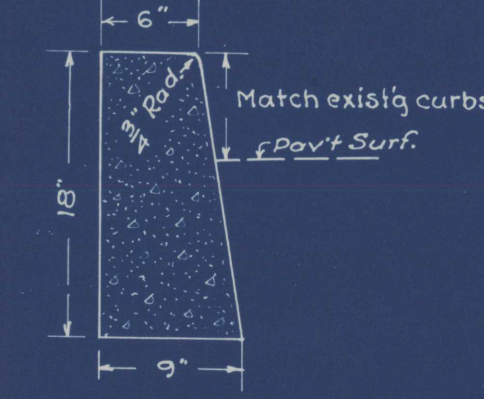


TYPE A



TYPE B

(To be constructed integrally with concrete pavement)

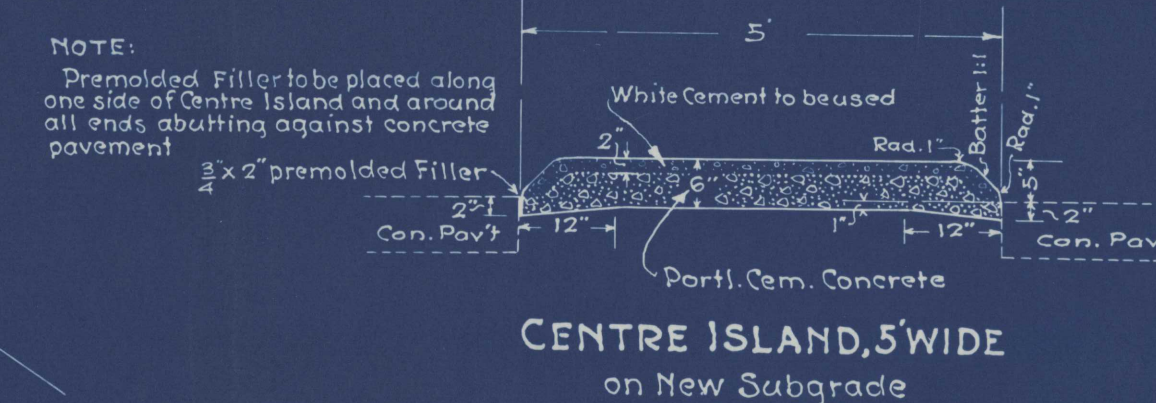


TYPE C

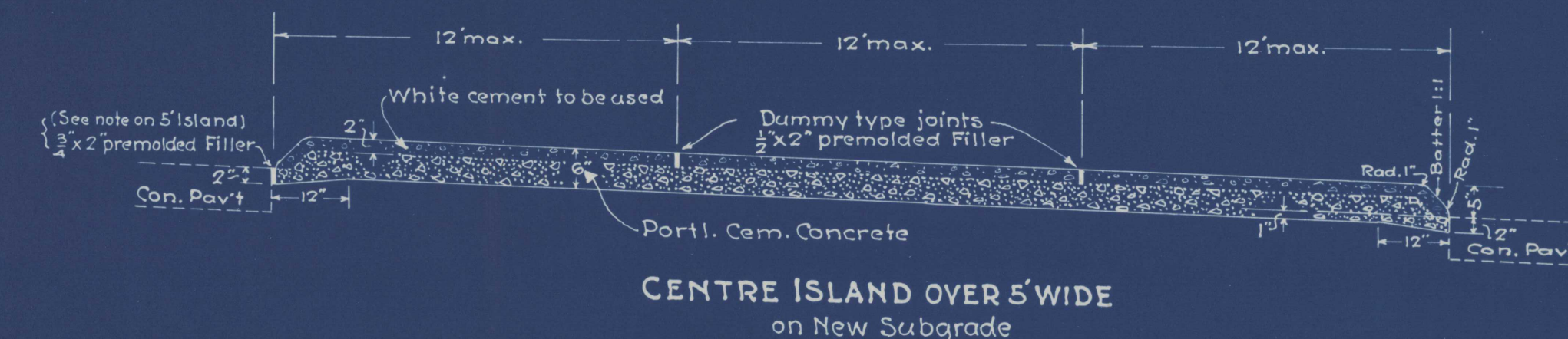
(To be used on side streets)

CENTRE ISLAND DETAILS

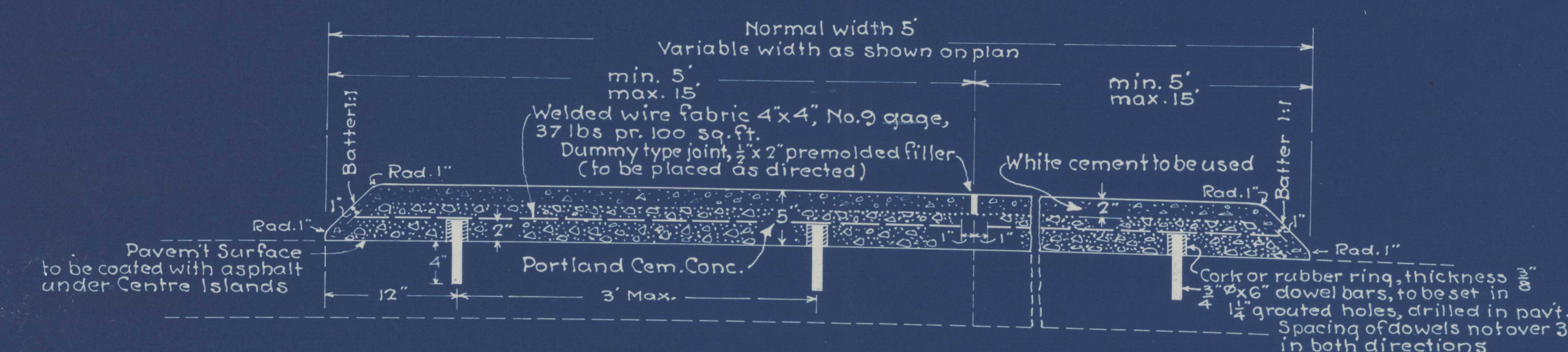
Centre Islands to be crowned, sloped, or warped as directed



CENTRE ISLAND, 5' WIDE
on New Subgrade



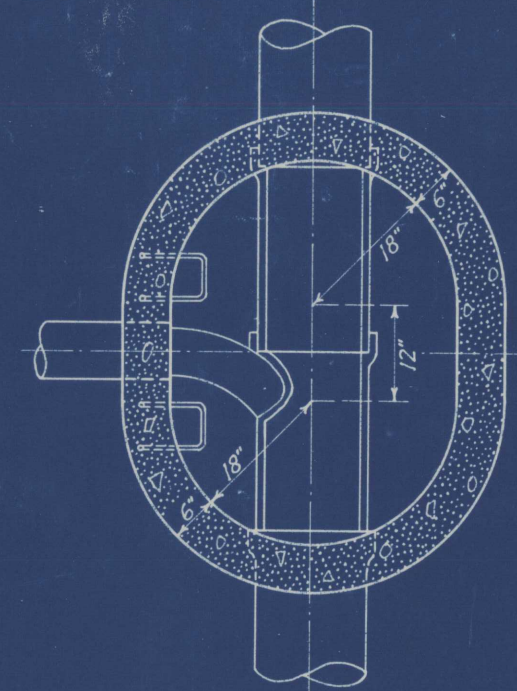
CENTRE ISLAND OVER 5' WIDE
on New Subgrade



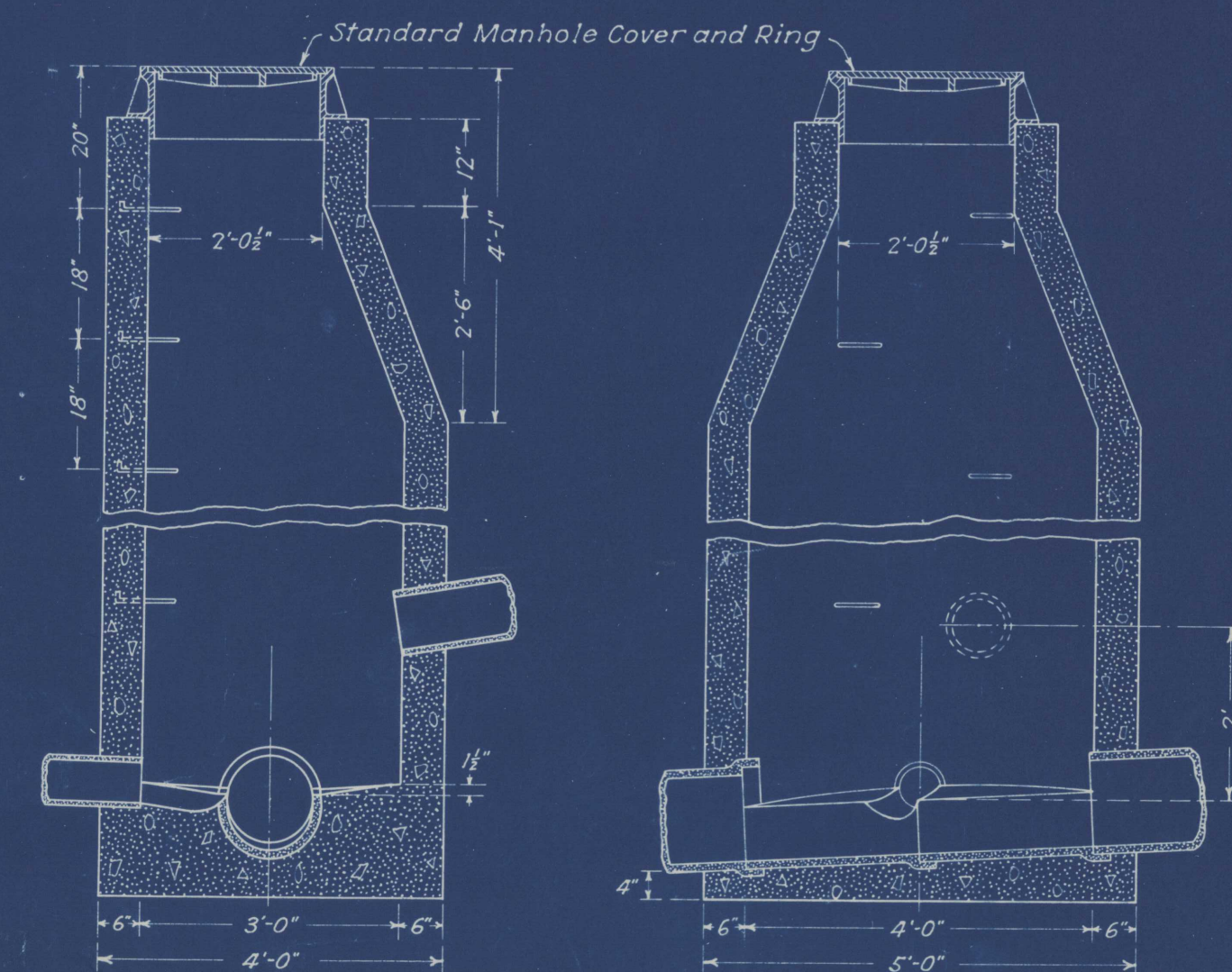
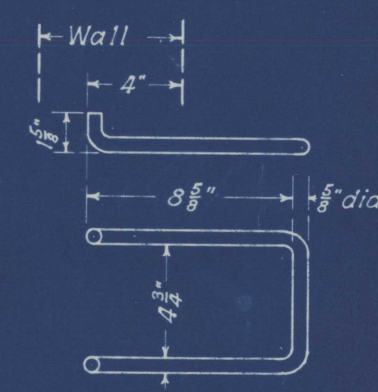
CENTRE ISLAND
on Surface of Pavement

6

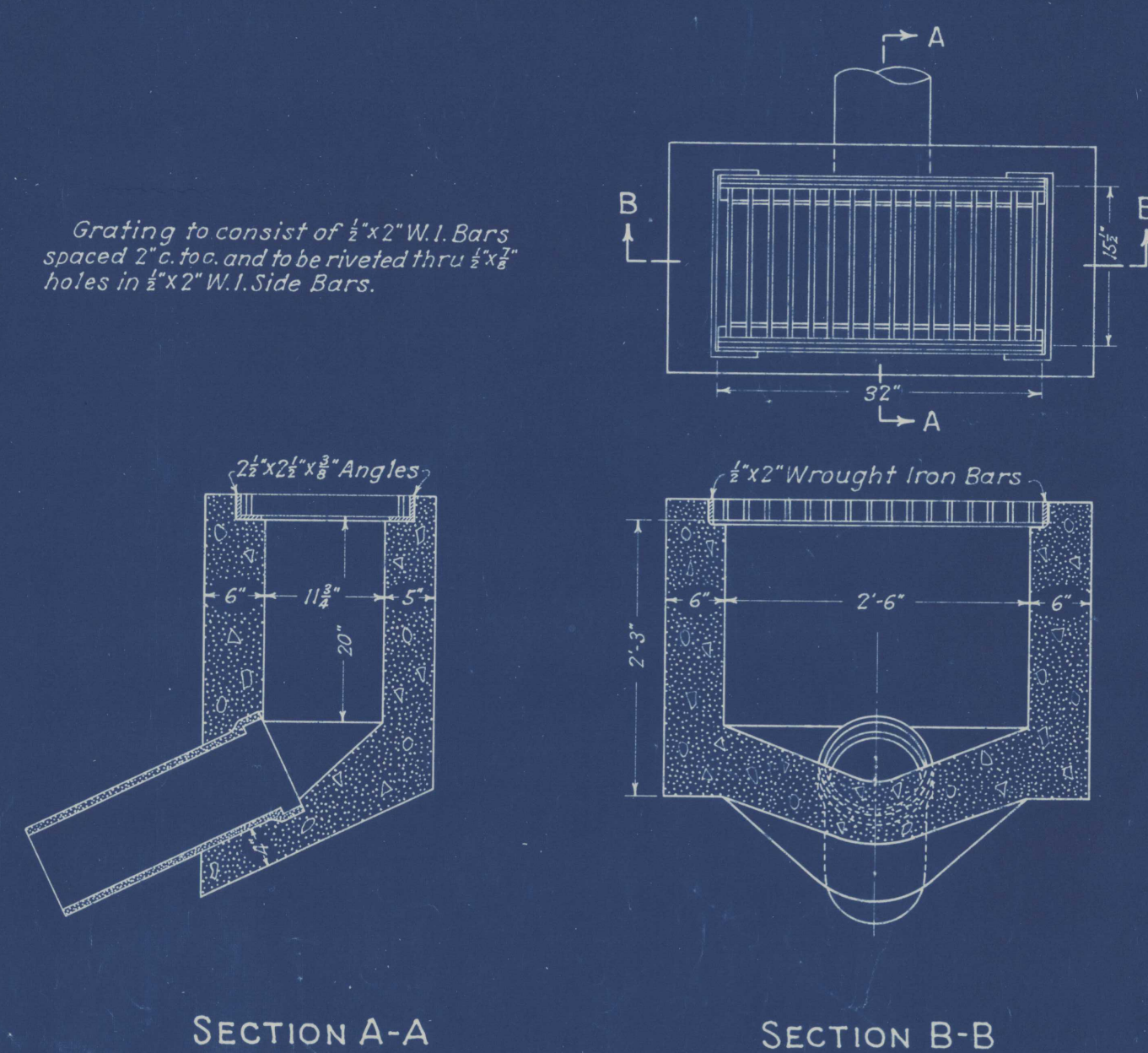
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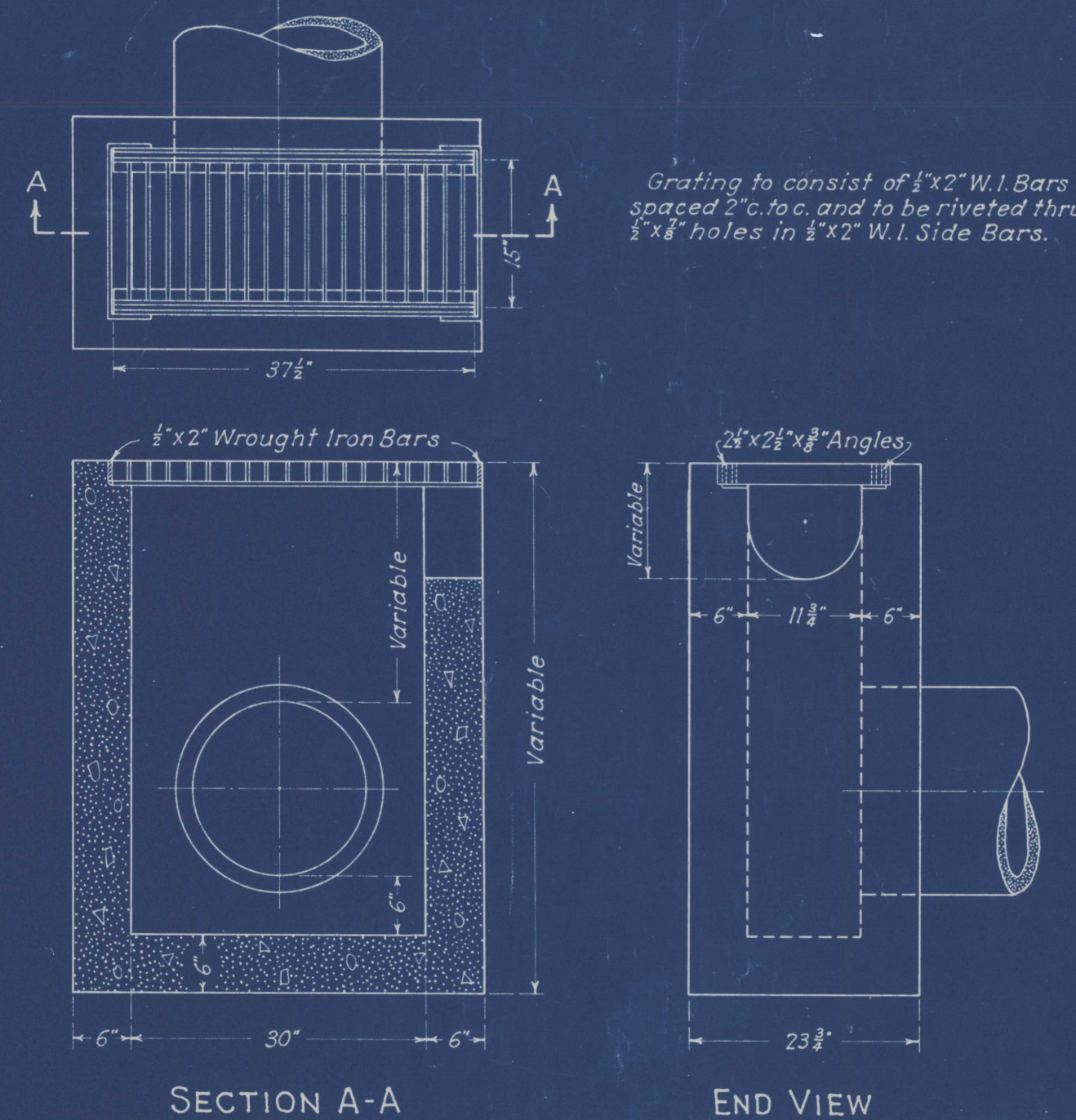
WROUGHT IRON STEP
Scale $\frac{1}{2}$ "=1 ft.



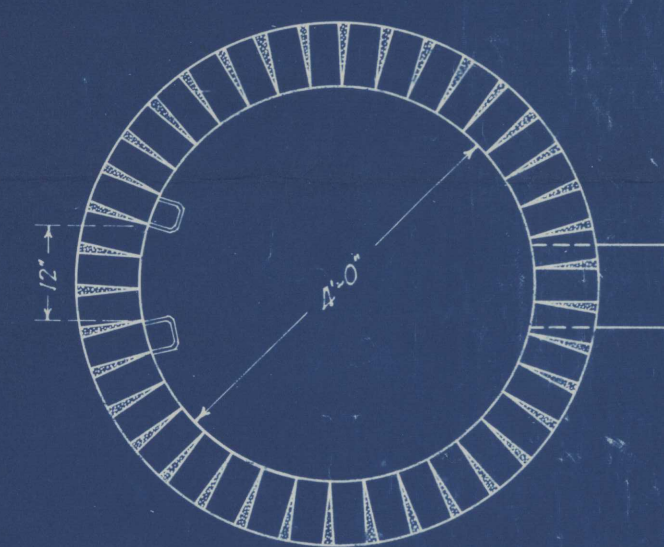
CONCRETE MANHOLE
Scale $\frac{1}{2}$ "=1 ft.



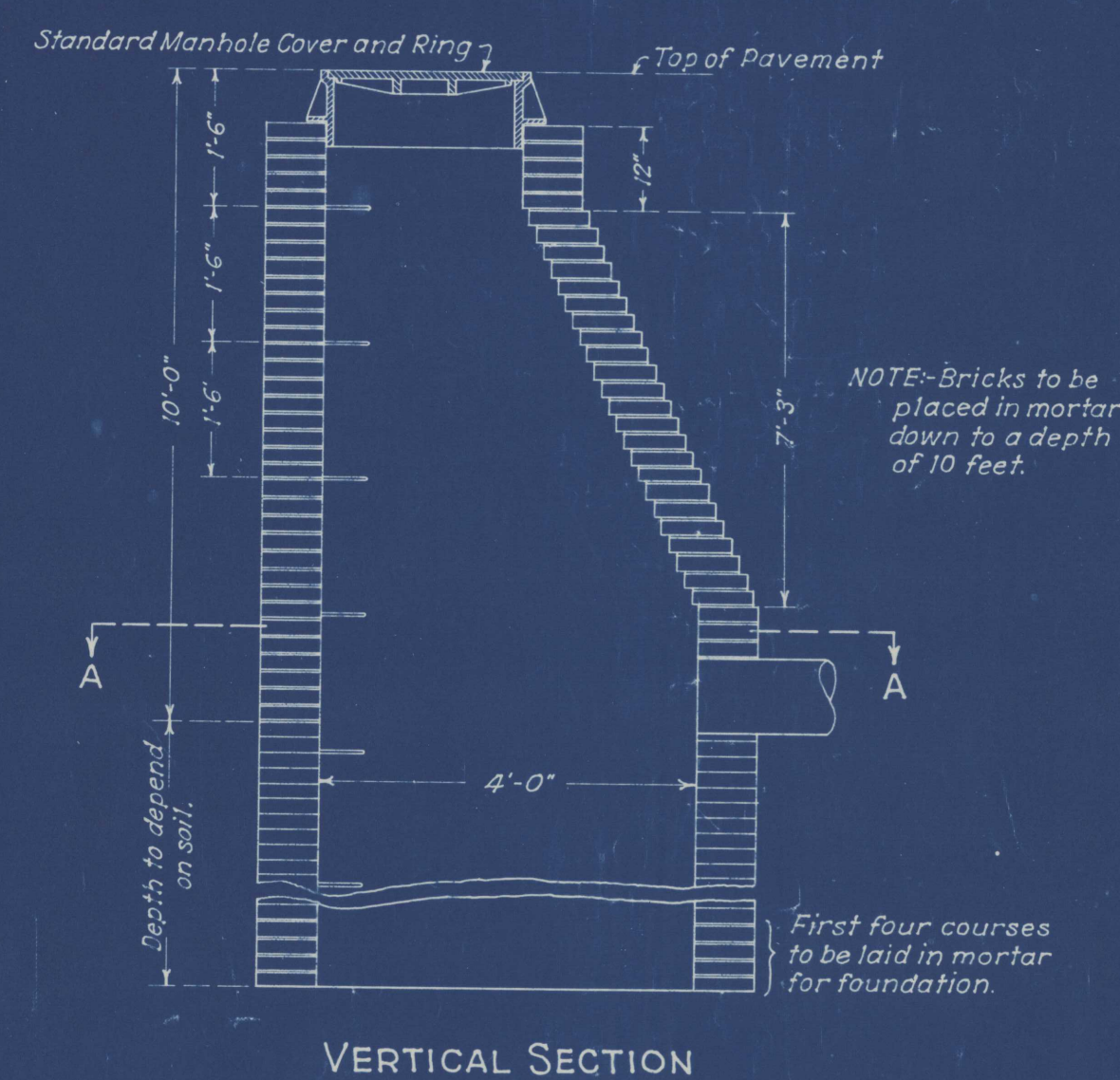
CONCRETE CATCH INLET
Scale $\frac{1}{2}$ "=1 ft.



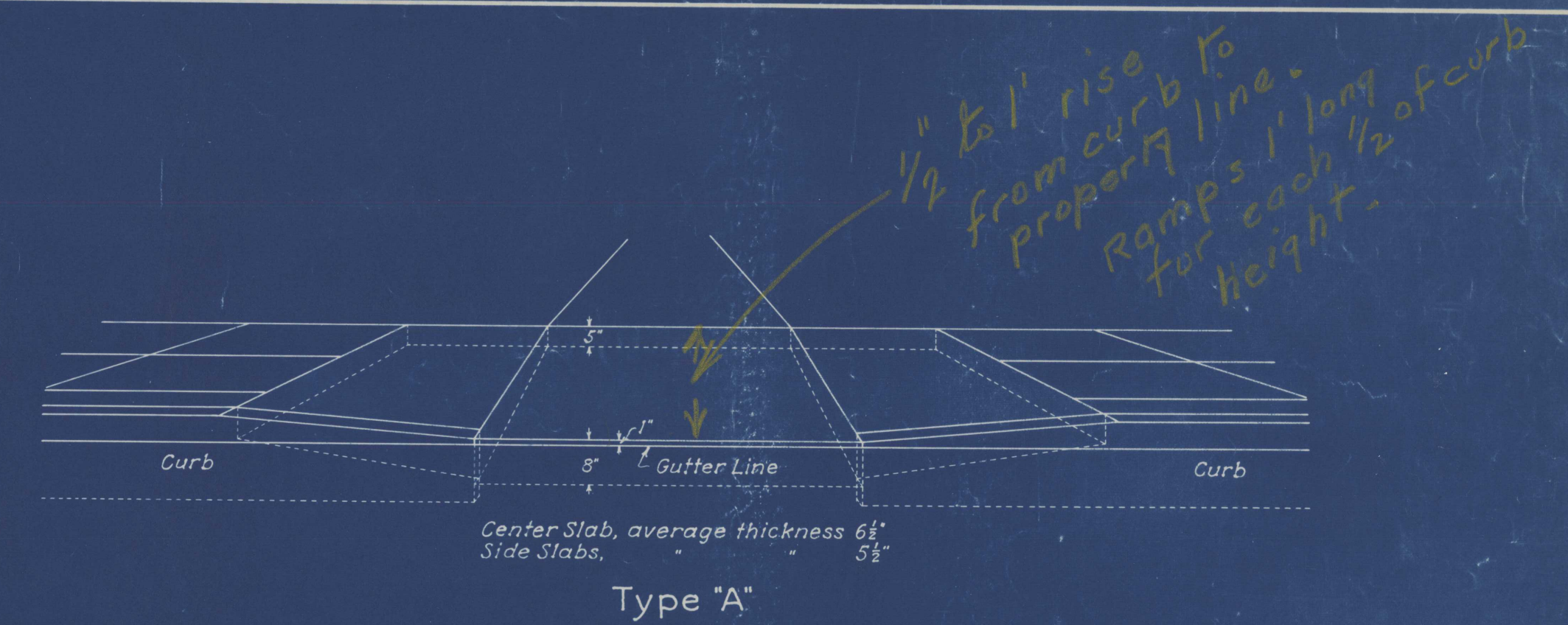
CONCRETE CATCH BASIN
Class 'A' Concrete
Scale $\frac{1}{2}$ "=1 ft.



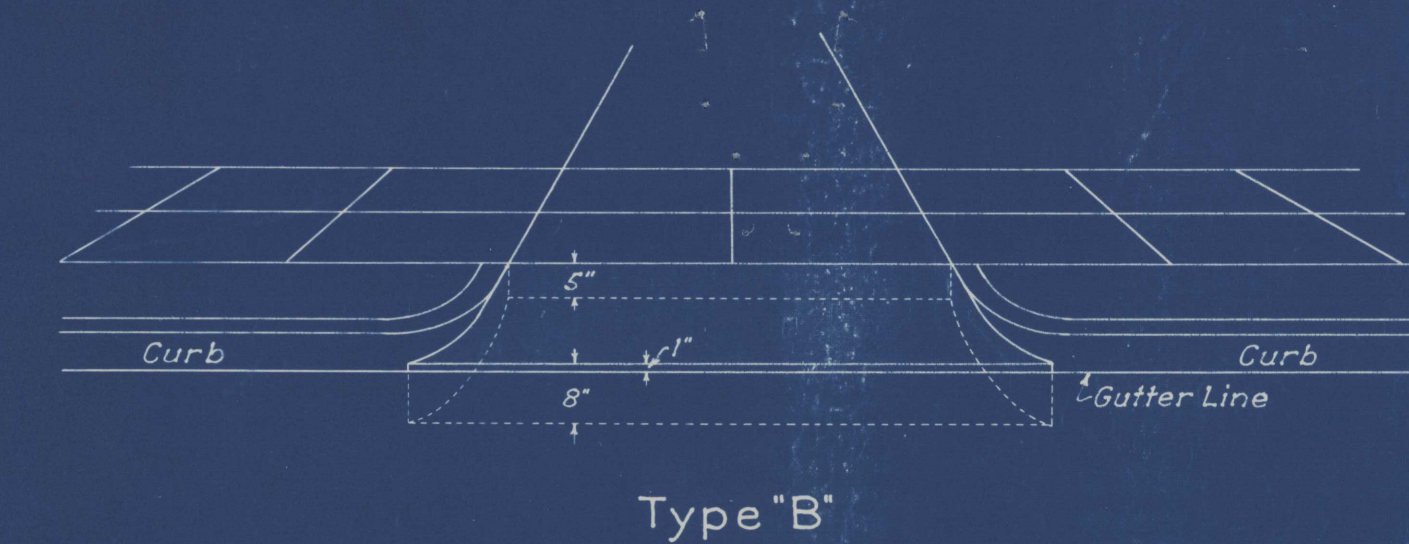
SECTION A-A



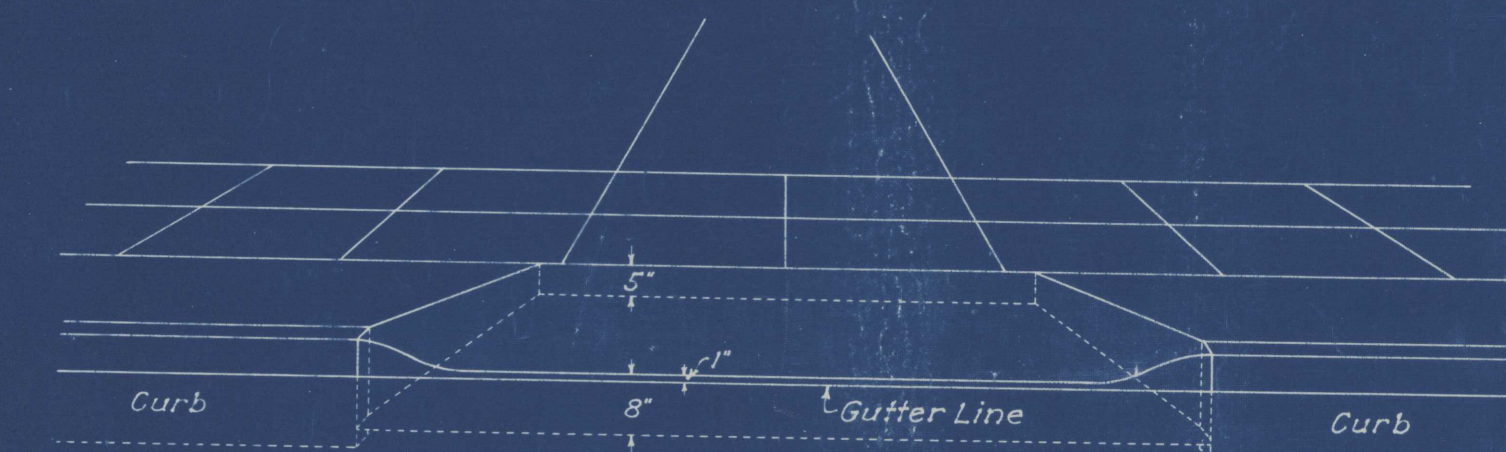
BRICK DRAINAGE SUMP
No Scale



Type "A"



Type "B"



Type "C"

DRIVEWAY APRONS
(Indicated by Shaded Areas)
No Scale

OREGON STATE HIGHWAY DEPARTMENT
Details of

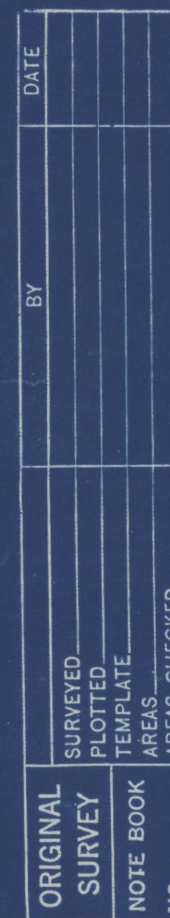
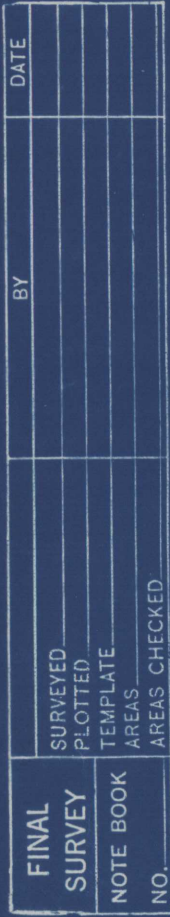
STANDARD STRUCTURES

Scales: As Shown

June 1935

PORTLAND

FED.ROAD DIST. NO.	STATE	PROJ.NO.	FISCAL YEAR	TO SH
1	OREGON	160-A		1



LEGEND

Pavement to be removed
Concrete Pav't to be constructed
Bituminous Pav't or Surfacing to be constructed

Concr. walk or conc. Centre Island to be constr'd
Rock Footpath to be constructed
Concrete Curb to be constructed

Scale: $\begin{cases} \text{Hor. 50 ft.} = 1 \text{ inch} \\ \text{Ver. 5 ft.} = 1 \text{ inch} \end{cases}$

FINAL	BY _____ DATE _____
SURVEY	
NOTE BOOK	
NO. _____	
AREAS CHECKED _____	

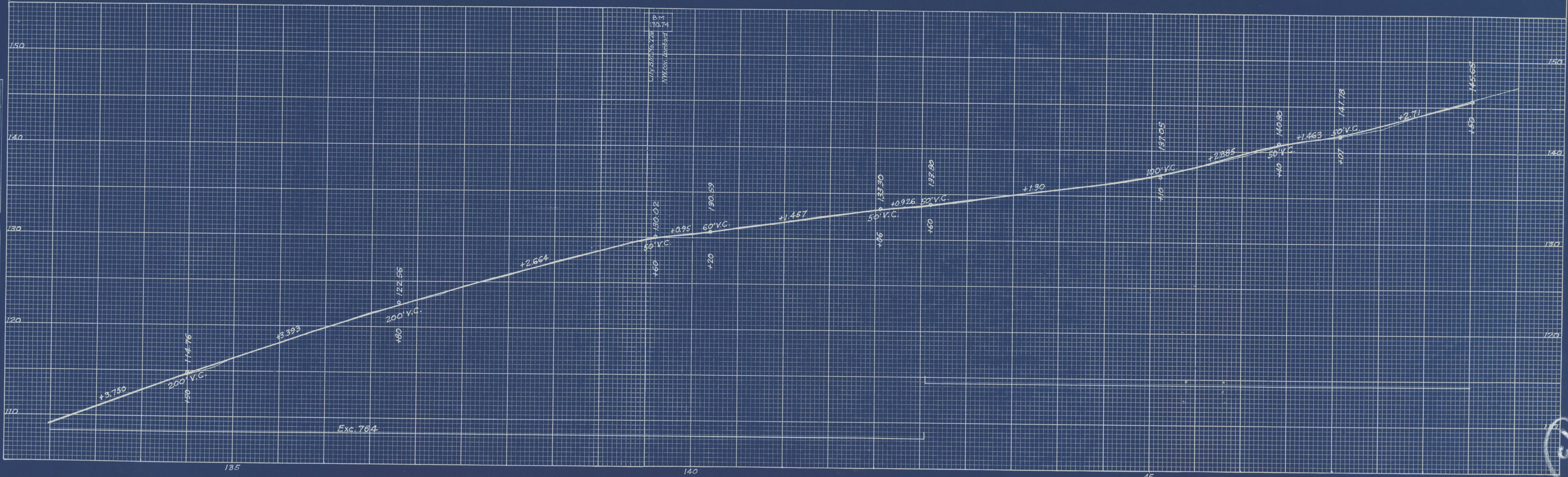
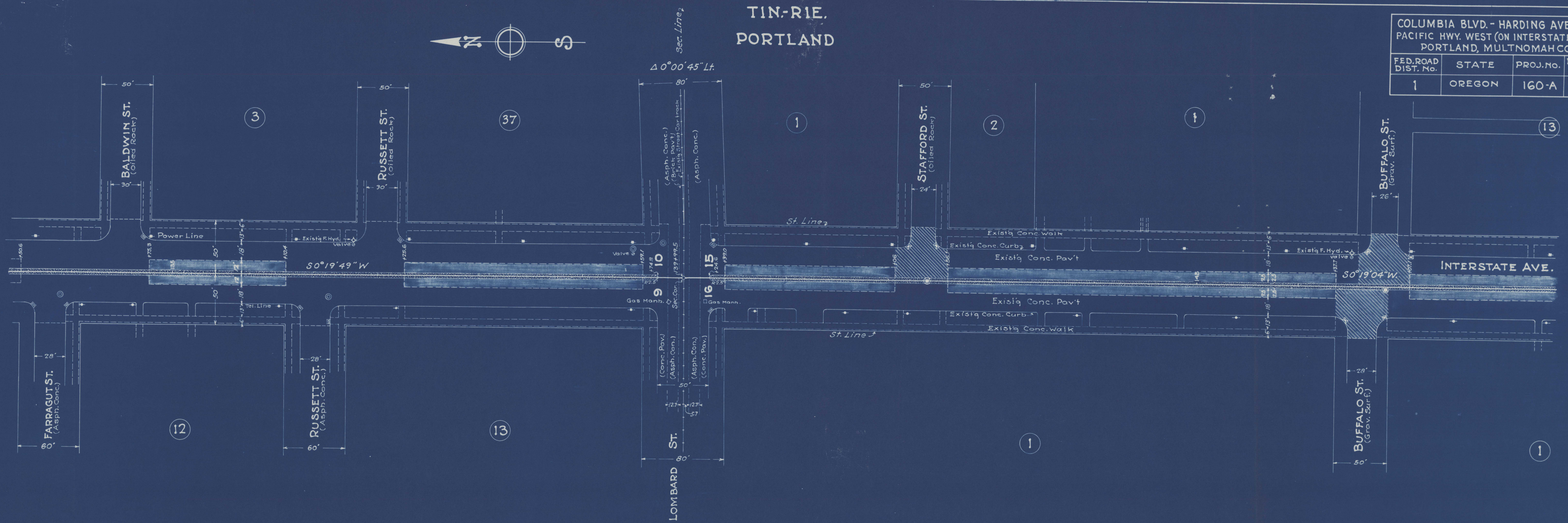
ORIGINAL			BY	DATE
SURVEY		SURVEYED		
		PLOTTED		
NOTE BOOK		TEMPLATE		
NO.		AREAS		
		AREAS CHECKED		

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	DATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	DATE		
NO.	AREAS CHECKED		

TIN-RIE. PORTLAND

COLUMBIA BLVD. - HARDING AVE. SEC. PACIFIC HWY. WEST (ON INTERSTATE AVE.) PORTLAND, MULTNOMAH CO.				SHEET No. 5
FED. ROAD DIST. No.	STATE	PROJ. NO.	FISCAL YEAR	TOTAL SHEETS
1	OREGON	160-A		14



14

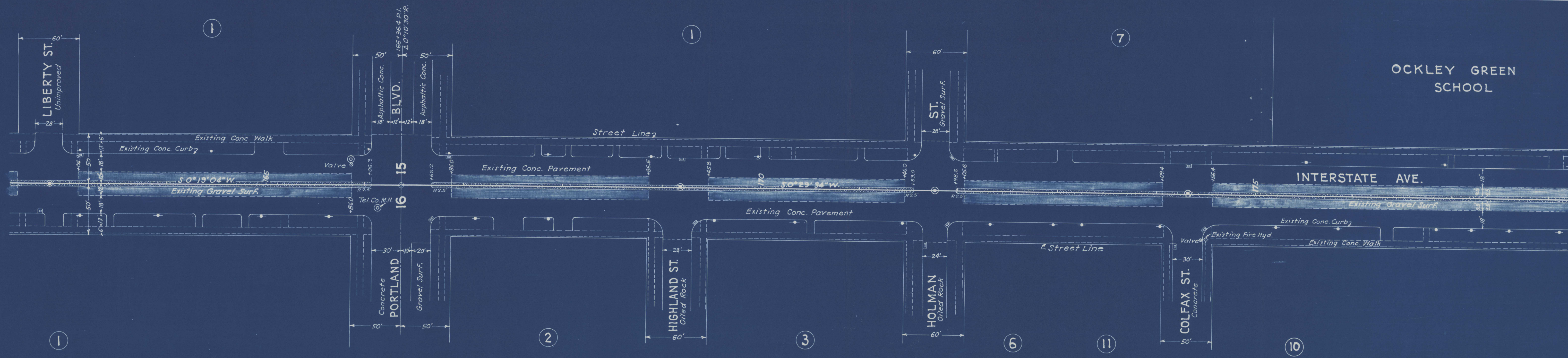
14

FINAL SURVEY		BY	DATE
SURVEYED			
PLOTTED			
TEMPLATE			
AREAS			
AREAS CHECKED			
NO.			

ORIGINAL		BY	DATE
SURVEY	SURVED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

T.I.N.-R.1E.W.M.
PORTLAND

COLUMBIA BLVD. - HARDING AVE. SEC. PACIFIC HWY. WEST (ON INTERSTATE AVE.) PORTLAND, MULTNOMAH CO.				SHEET No. 7
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	TOTAL SHEETS
1	OREGON	160-A		14

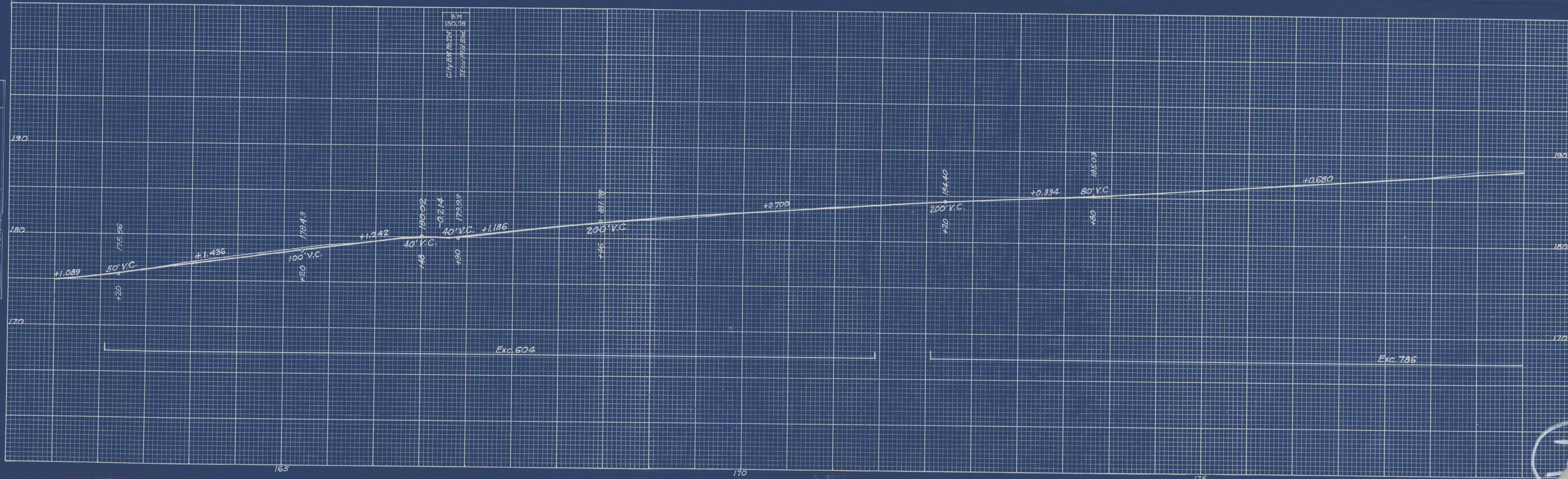


OCKLEY GREEN
SCHOOL

8

FINAL	SURVEYED	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

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SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

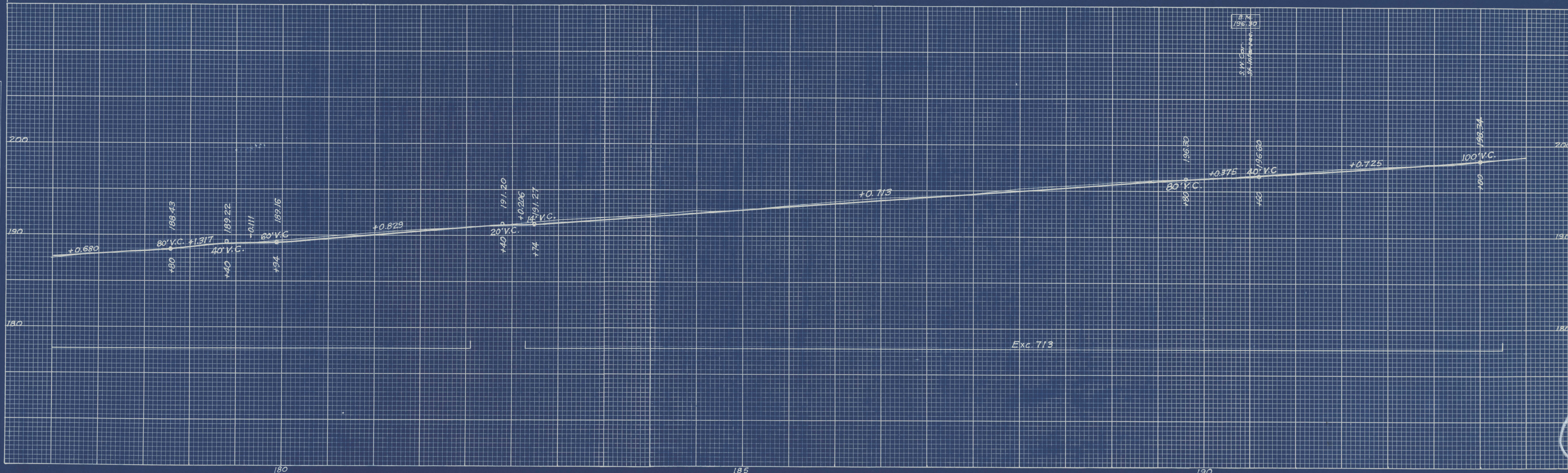
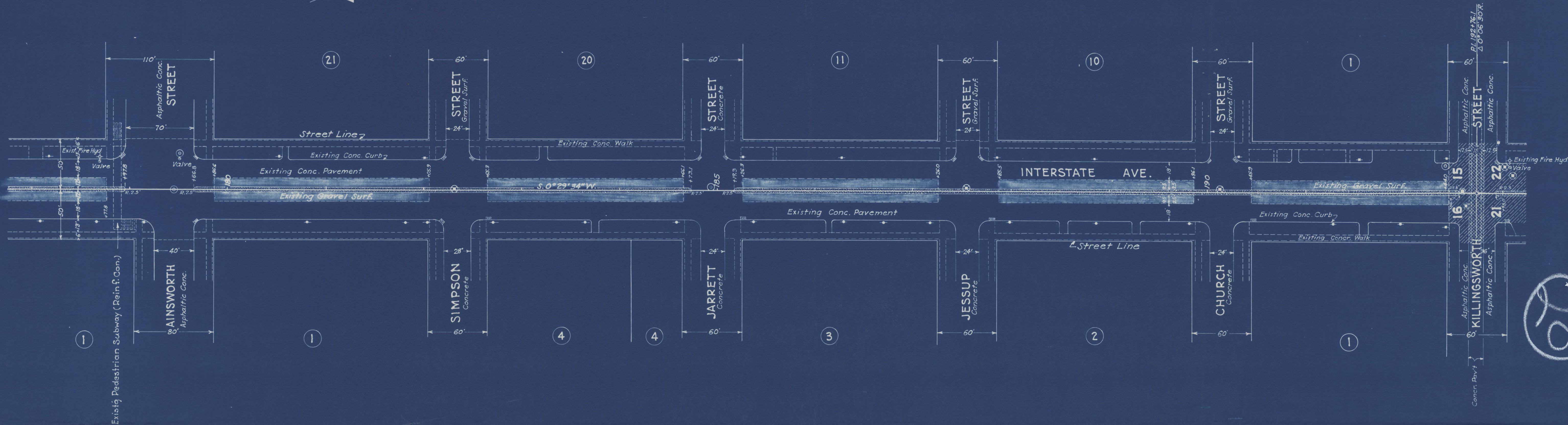


T.I.N.-R.I.E.W.M.
PORTLAND

COLUMBIA BLVD. - HARDING AVE. SEC. PACIFIC HWY. WEST (ON INTERSTATE AVE.) PORTLAND-MULTNOMAH CO.				SHEET No. 8
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	TOTAL SHEETS
1	OREGON	160-A		14

FINAL	DATE
SURVEY	BY
NOTED	
PLANNED	
DESIGNED	
CONSTRUCTED	
NO.	

ORIGINAL	DATE
SURVEY	BY
NOTED	
PLANNED	
DESIGNED	
CONSTRUCTED	
NO.	

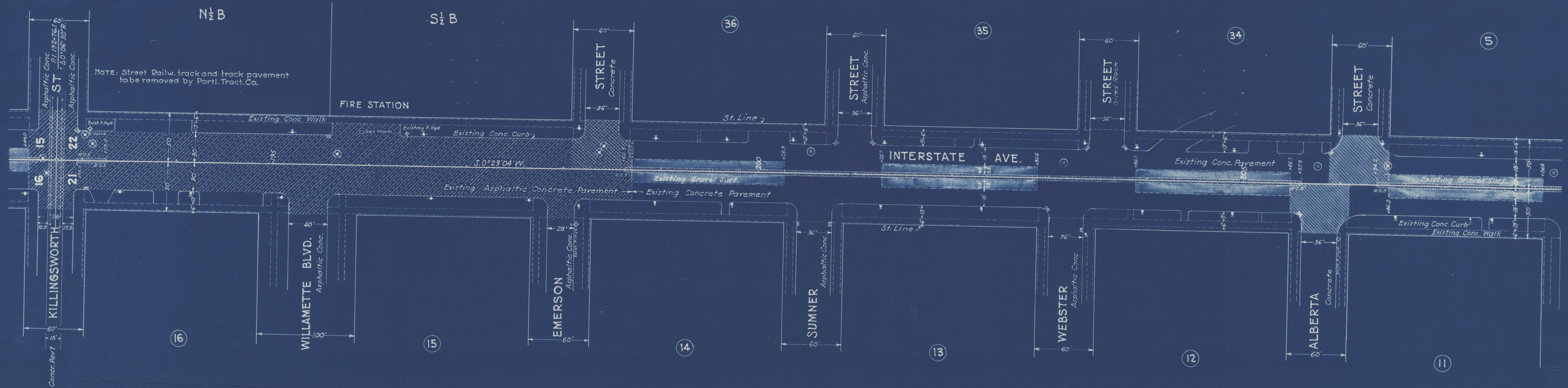
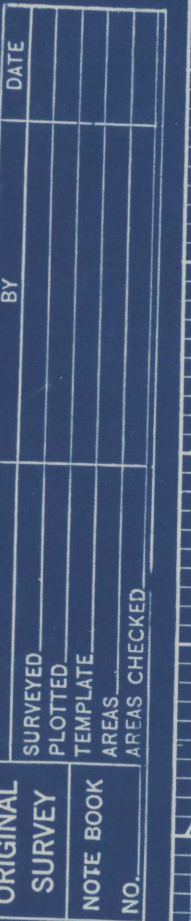


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21

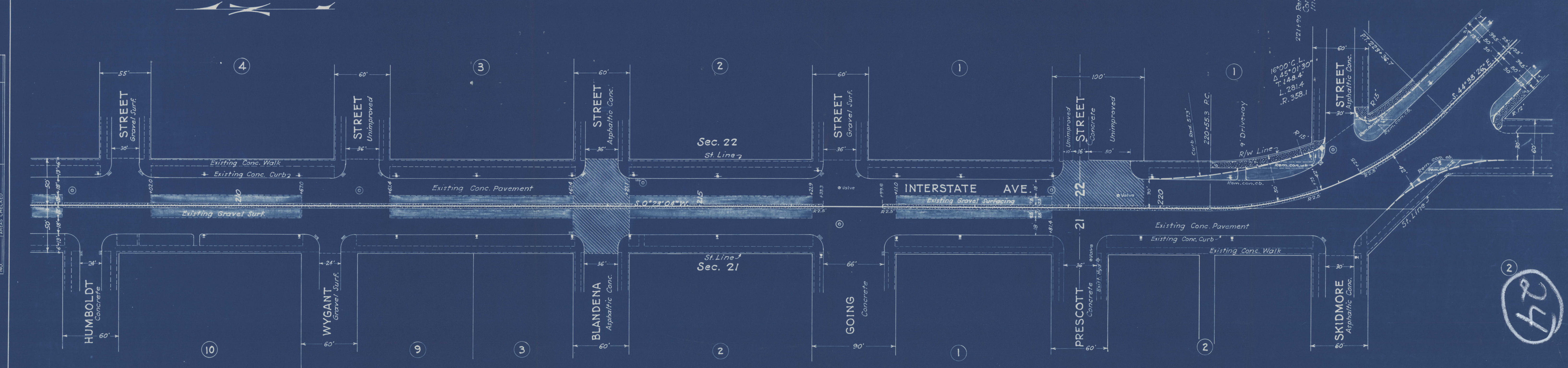
T.I.N. R.I.E. W.M.
PORTLAND

COLUMBIA BLVD. - HARDING AVE. SEC.				SHEET NUMBER 9
PACIFIC HWY. WEST (ON INTERSTATE AVE.) PORTLAND, MULTNOMAH CO.				
FED. ROAD DIST. NO.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
1	OREGON	160-A		14



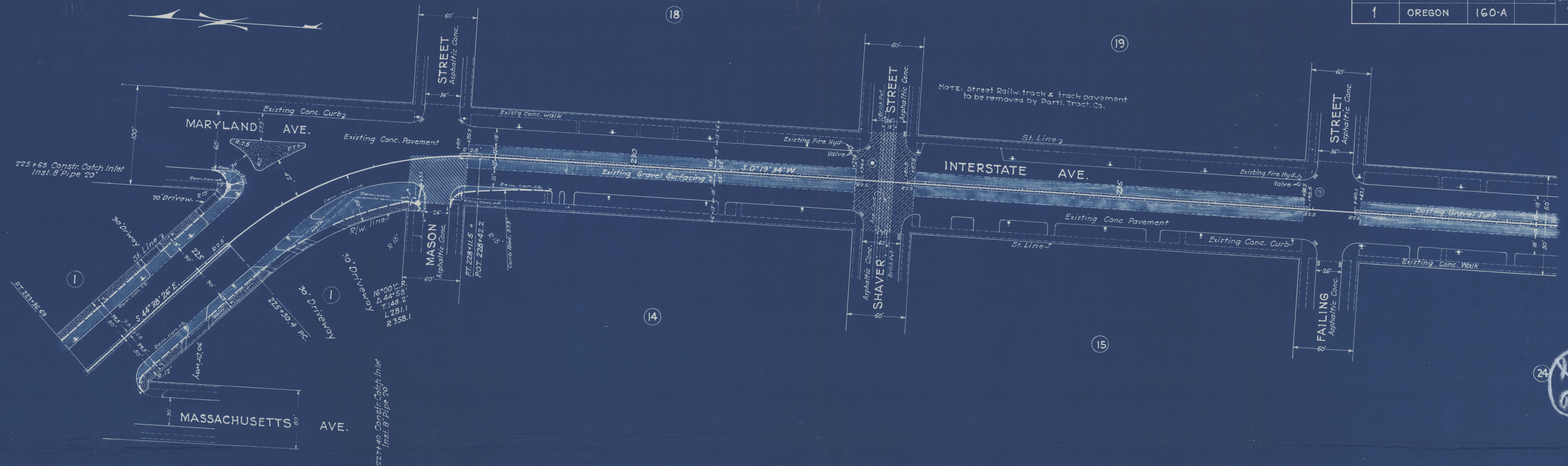
FINAL SURVEY	SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED	BY	DATE
NOTE BOOK			
NO.			

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		



T.I.N. R.I.E. W.M.
PORTLAND
SEC. 22

COLUMBIA BLVD. - HARDING AVE. SEC.				SHEET NUMBER
PACIFIC HWY. WEST (ON INTERSTATE AVE.)				
PORTLAND, MULTNOMAH CO.				11
FED. ROAD DIST. NO.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
1	OREGON	160-A		14



ORIGINAL			BY	DATE
SURVEY				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				
NOTE BOOK				
NO.				

COLUMBIA BLVD. - HARDING AVE. SEC.				SHEET
PACIFIC HWY. WEST (ON INTERSTATE AVE.)				NUMBER
PORTLAND, MULTNOMAH CO.				12
FED. ROAD DIST. NO.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
1	OREGON	160-A		14

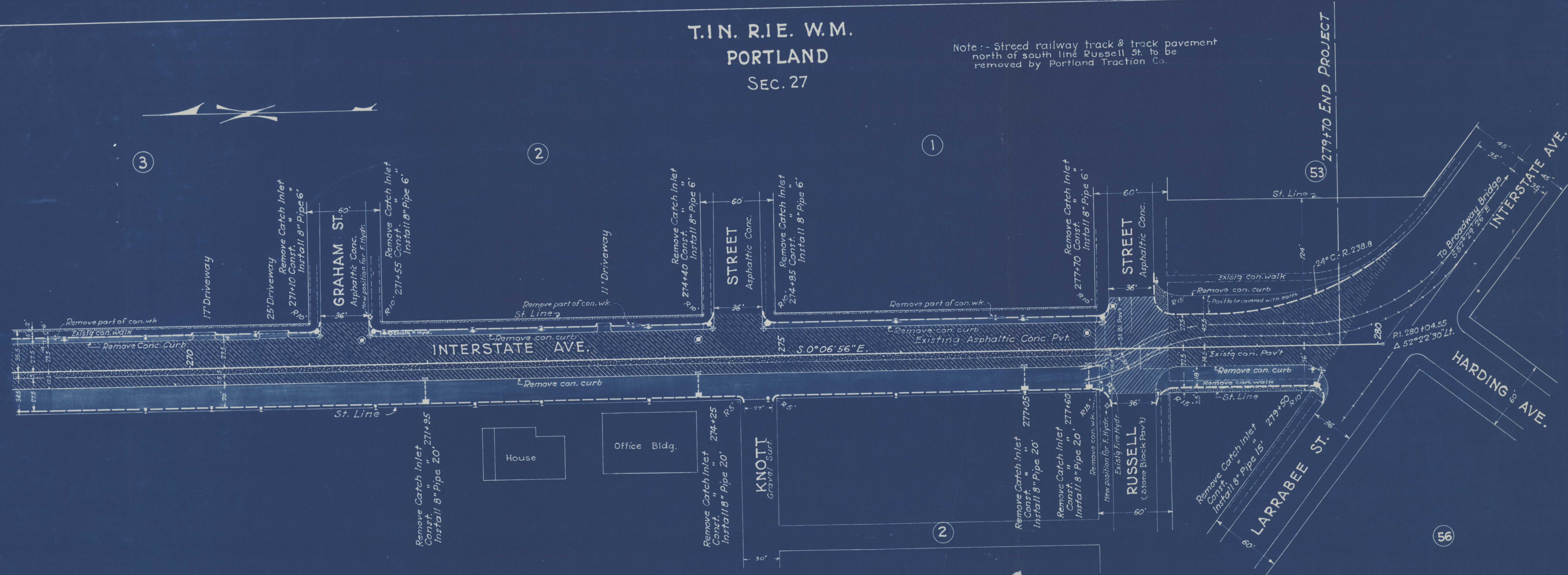
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SURVEY			
PLOTTED			
TEMPLATE			
NOTE BOOK			
AREAS			
AREAS CHECKED			
NO.			

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	REVISIONS		
NO.	AREAS CHECKED		

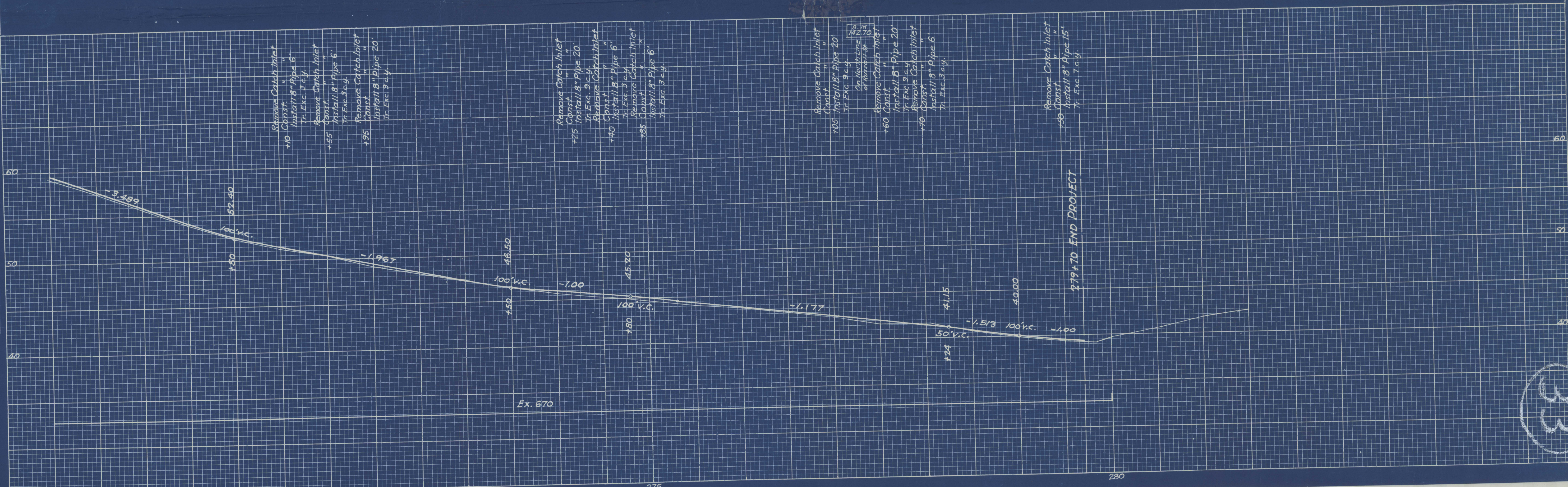
ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	REVISIONS		
NO.	AREAS CHECKED		

T.I.N. R.I.E. W.M.
PORTLAND
SEC. 27

Note: - Street railway track & track pavement north of south line Russell St. to be removed by Portland Traction Co.

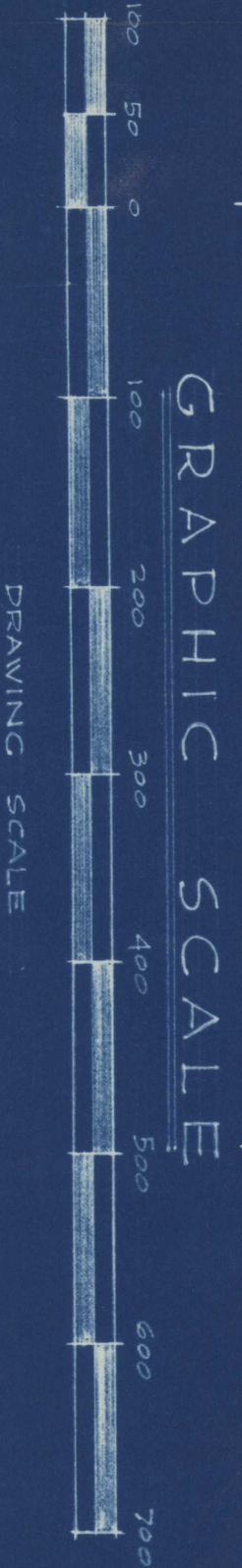
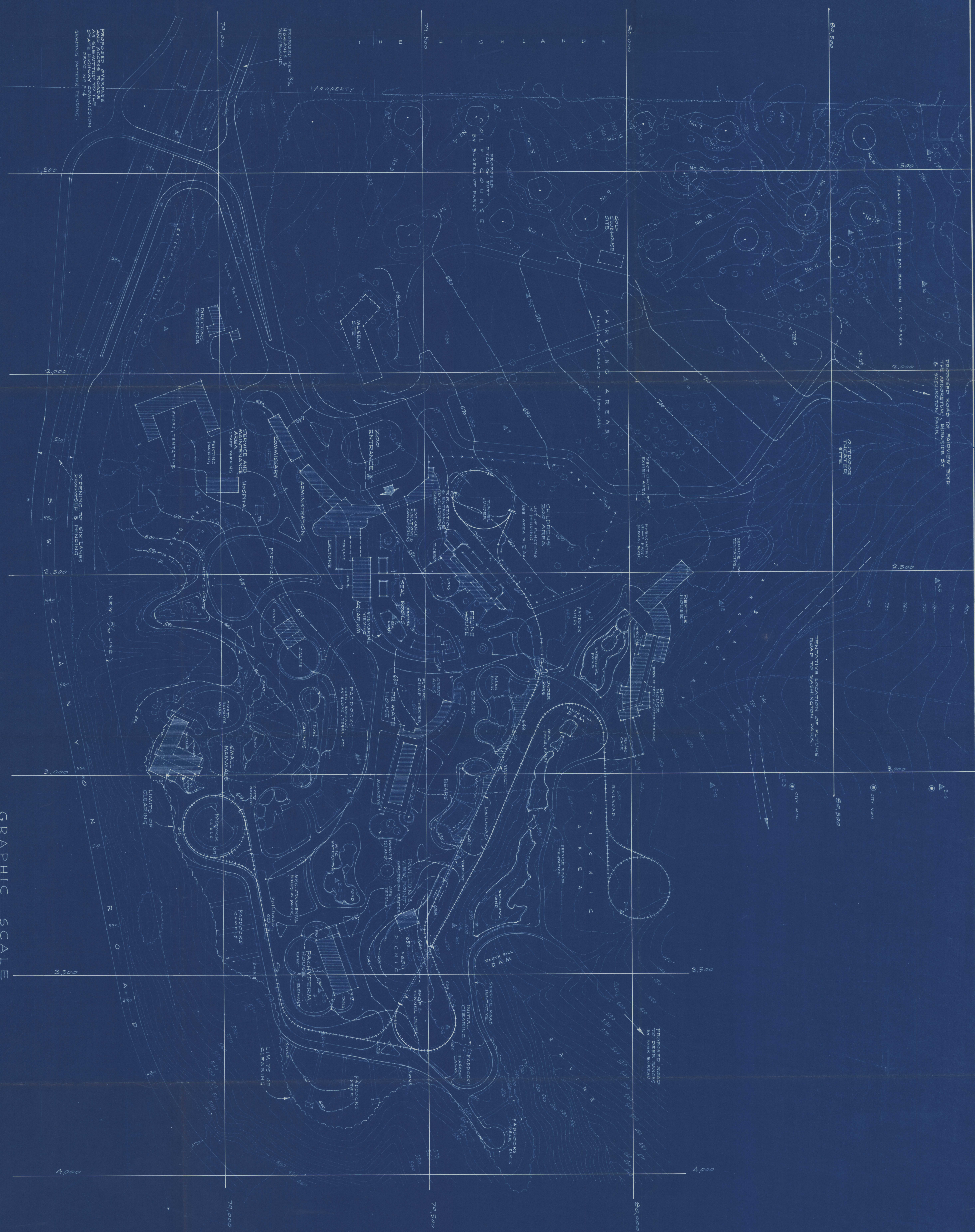


COLUMBIA BLVD. - HARDING AVE. SEC. 27				SHEET NO.
PACIFIC HWY. WEST (ON INTERSTATE AVE.)				14
PORTLAND, MULTNOMAH CO.				TOTAL SHEETS
FED. ROAD DIST. NO.	STATE	PROJECT NUMBER	FISCAL YEAR	14
1	OREGON	160-A		



22

33



NOTE:
THIS DRAWING IS A SUPPLEMENT TO AND SUPERSEDES
DRAWING NO. P-1, DATED JANUARY, 1955. COMMISSION HAS
LET TO THE CONTRACT HEREON.
1. THE CHILDREN'S ZOO IS MOVED TO A
LOCATION ADJACENT TO THE ENTRANCE.
2. THE BIRDHOUSE AND REPTILEHOUSE
ARE RELOCATED INTO THE TOWN.
3. THE RAILROAD ALIGNMENT IS EXTENDED
TO THE ZOO AREA.
4. PICNIC AREAS WITHIN THE ZOO AREA
ARE AMPLIFIED.
5. LOCATIONS OF VARIOUS EXHIBITS, GUESTS
AND SERVICES HAVE BEEN ADJUSTED.

SITE PLAN REVISED

SCALE NOTED

ZOOLOGICAL GARDENS
HOYT PARK PORTLAND, OREGON
CITY OF PORTLAND, BUREAU OF PARKS AND RECREATION
STANLEY W. EARL, COMMISSIONER OF PUBLIC AFFAIRS
HARRY B. BUCKLEY, SUPERINTENDENT OF PARKS

LAWRENCE, TUCKER & WALLMANN
ARCHITECTS
920 FAILING BUILDING PORTLAND 4, OREGON
DATE JUNE 29, 1955 APPROVED *Lawrence*

BLUE PRINT RECORD	FOR NO. 169-A
	CONTRACT
	DRAWING NO. P-12
	OF

REVISIONS	DATE	BY
1	169 A	P-12
2		
3		
4		
5		
6		
7		
8		
9		
10		