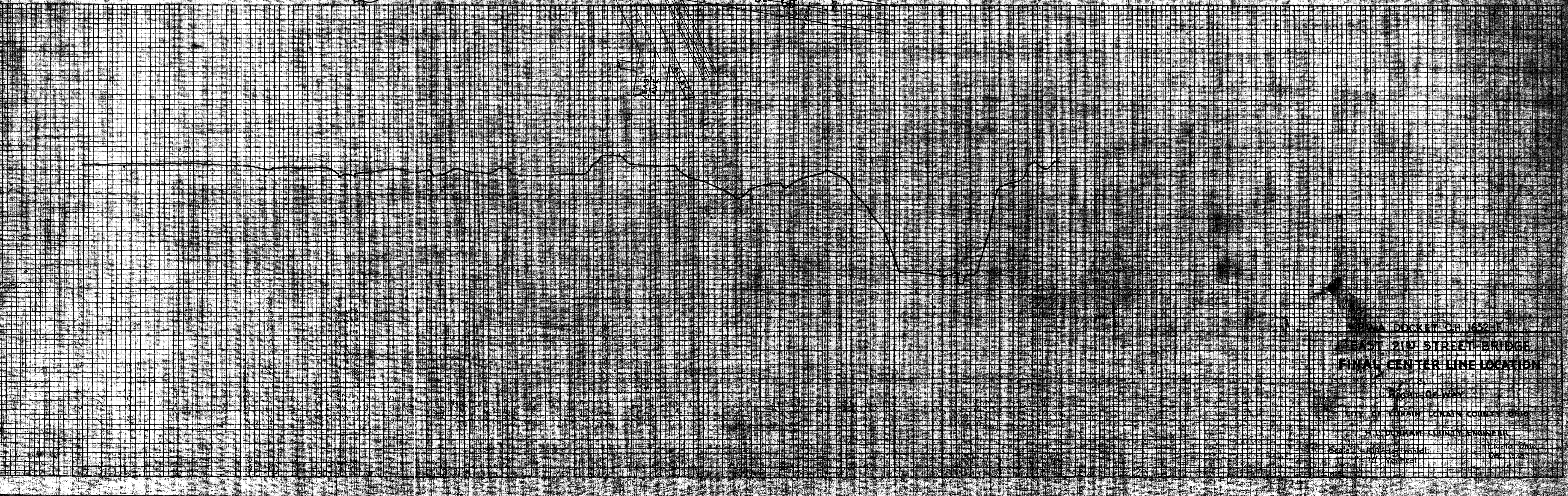
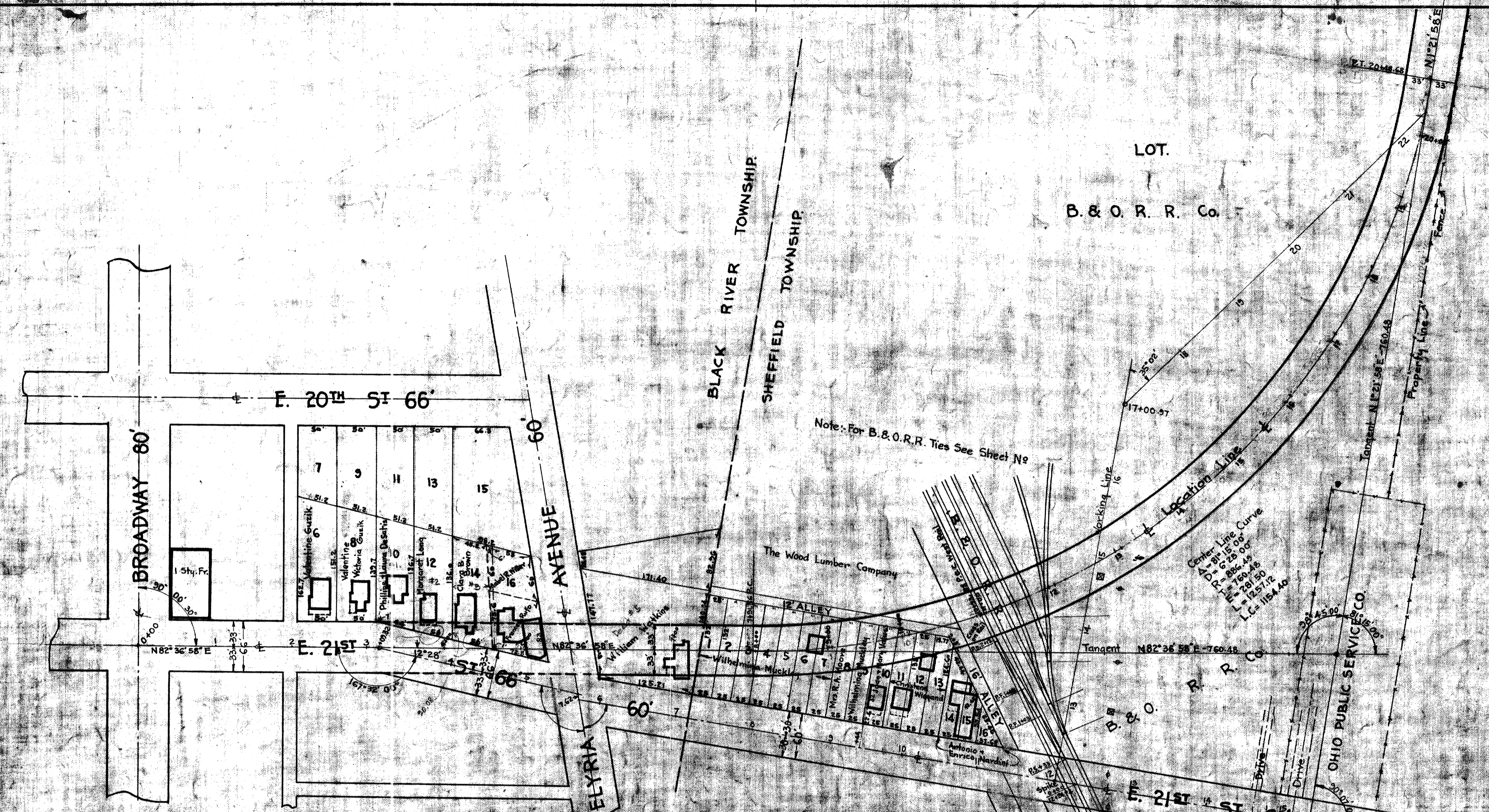


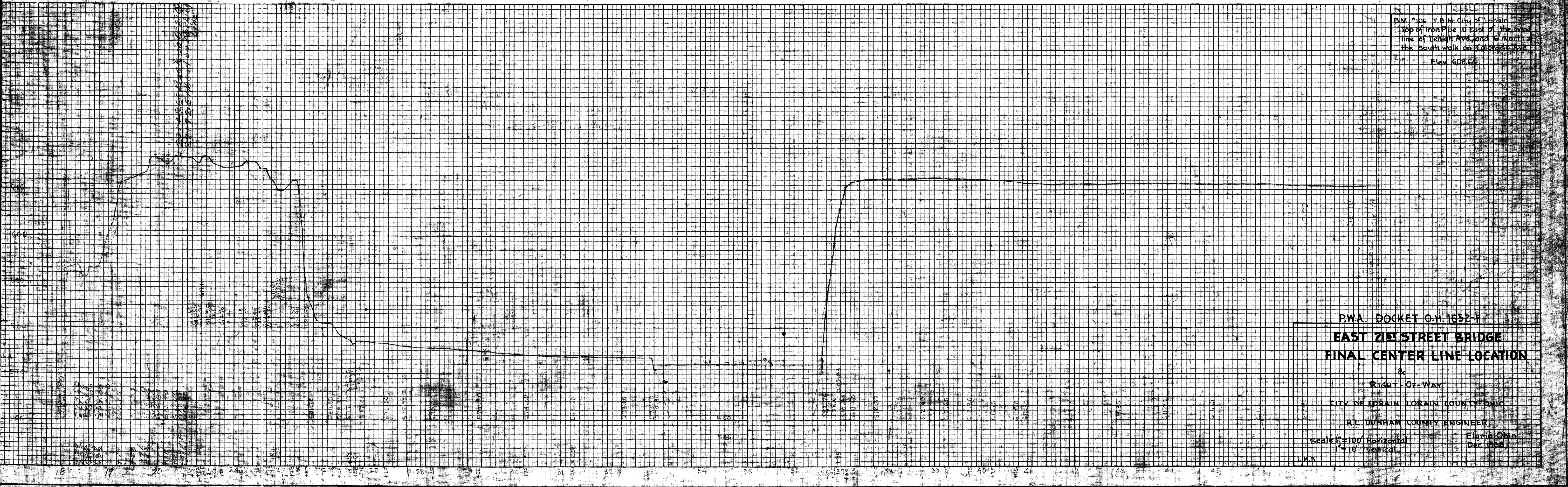
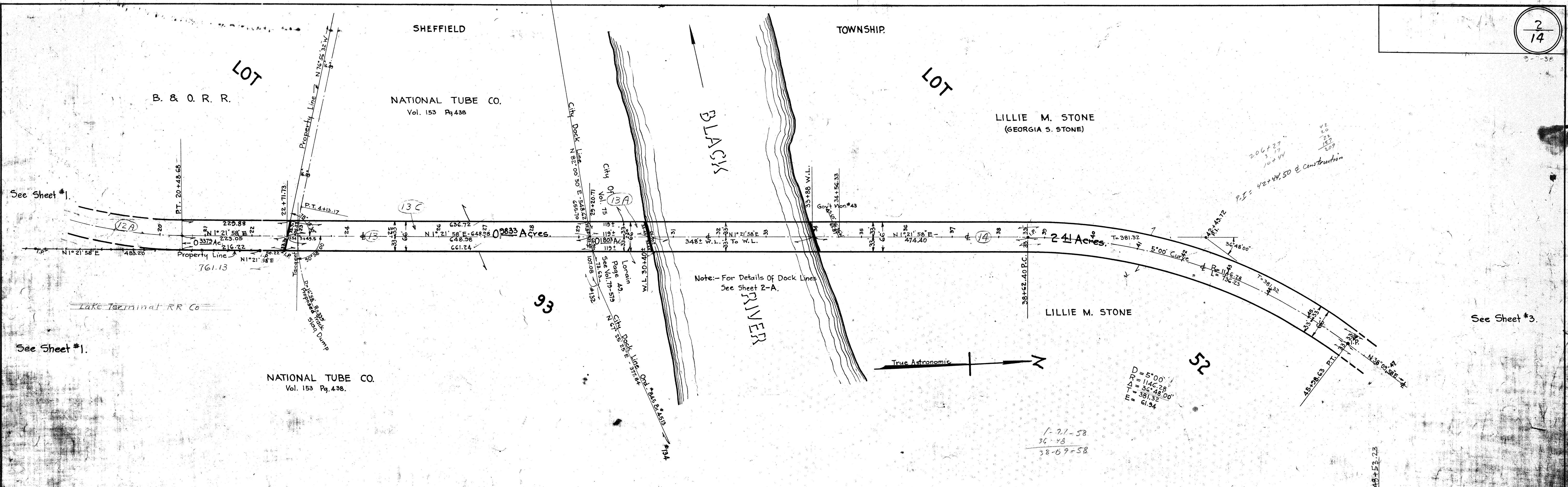
PLAN	DATE
BY	
CHECKED	
DATE	
NO.	

PROFILE	DATE
BY	
CHECKED	
DATE	
NO.	

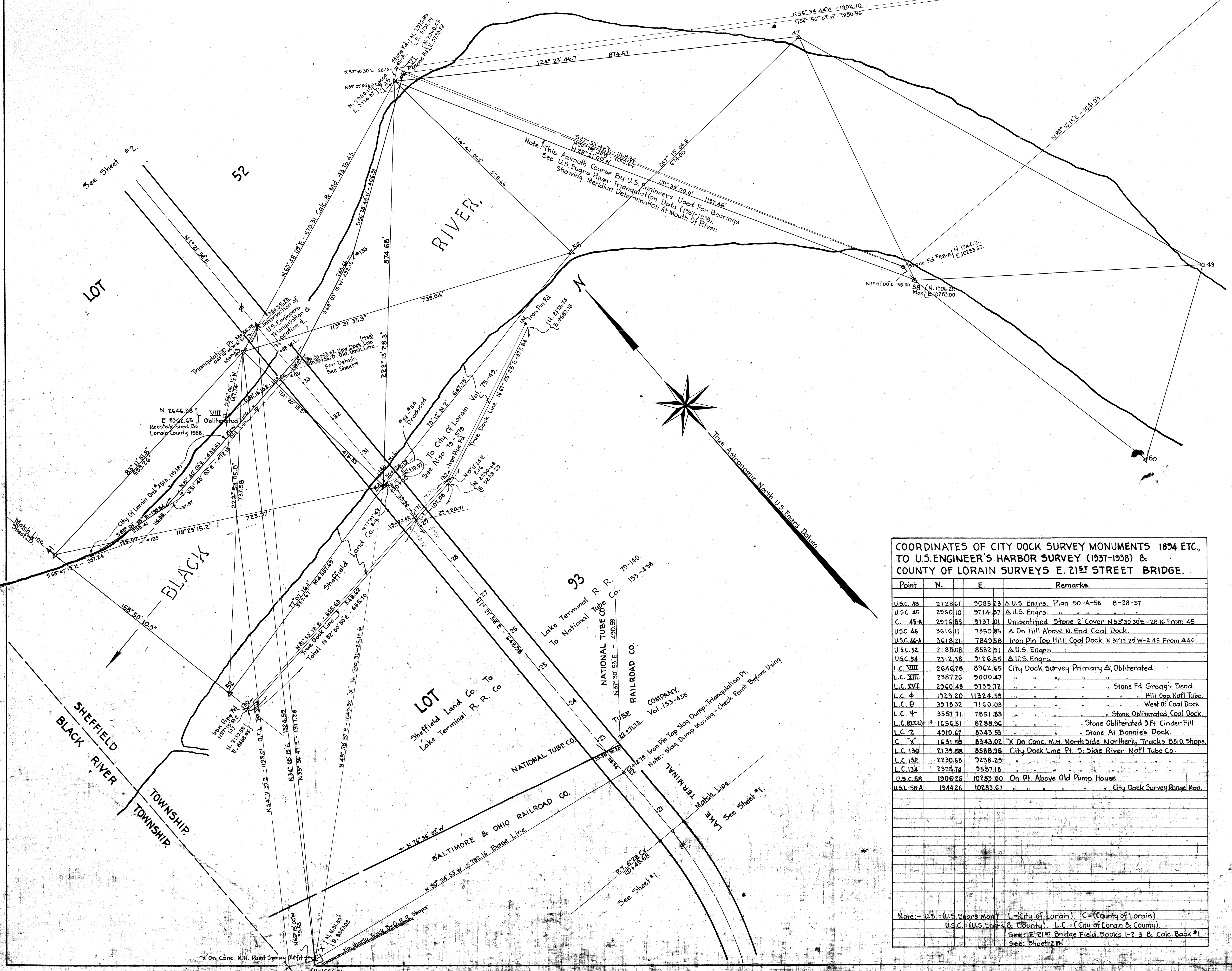


PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	BY	
	NO.	



P.W.A. DOCKET O.W. 1652 T
EAST 21ST STREET BRIDGE
FINAL CENTER LINE LOCATION
 &
 Right-Of-Way
 CITY OF LORRAINE, LORRAINE COUNTY, OHIO
 W.L. DUNHAM COUNTY ENGINEER
 Scale: 1" = 100' Horizontal
 1" = 10' Vertical
 Lorraine, Ohio
 Dec. 1958



COORDINATES OF CITY DOCK SURVEY MONUMENTS 1894 ETC., TO U.S. ENGINEER'S HARBOR SURVEY (1937-1938) & COUNTY OF LORAIN SURVEYS E. 21ST STREET BRIDGE.

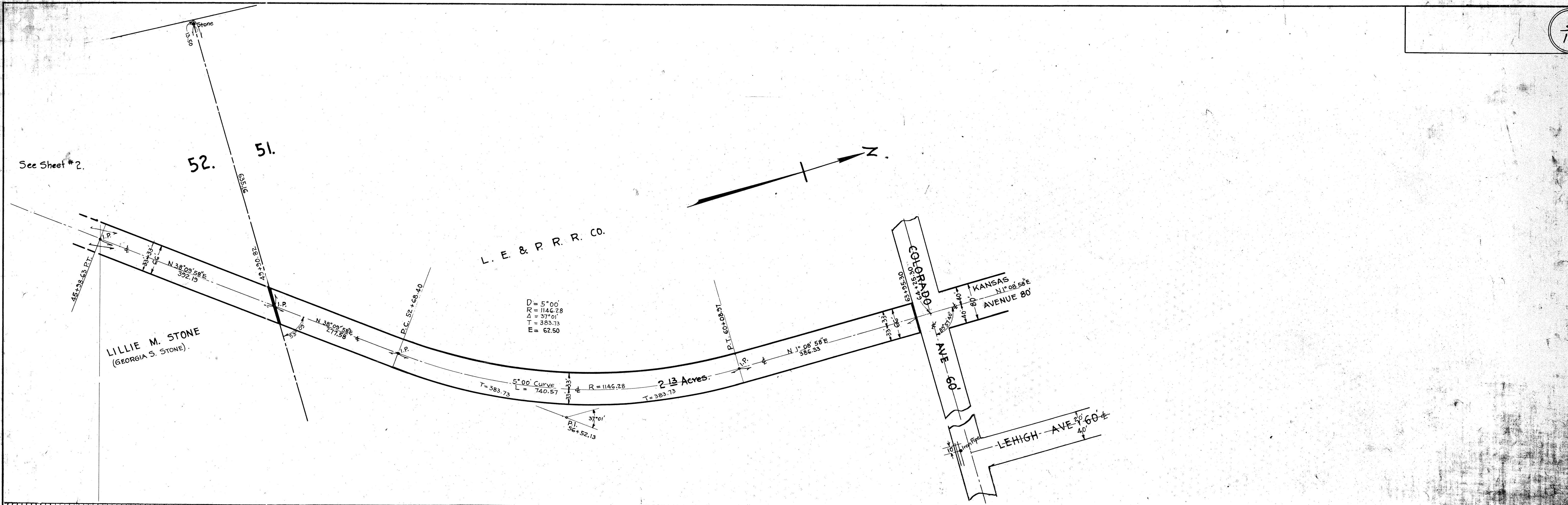
Point	N.	E.	Remarks.
U.S.C. 43	2728.67	9085.28	U.S. Engrs. Plan 50-A-58 8-28-37.
U.S.C. 45	2960.10	9714.37	U.S. Engrs.
C. 45-A	2916.85	9137.01	Unidentified Stone 2' Cover N 53° 30' 30" E - 28.16 From 45.
U.S.C. 46	3616.11	7850.85	On Hill Above N. End Coal Dock.
U.S.C. 46-A	3618.21	7849.58	Iron Pin Top Hill Coal Dock N 31° 2' 25" W - 2.45 From 46.
U.S.C. 52	2188.08	8582.91	U.S. Engrs.
U.S.C. 54	2312.38	9126.55	U.S. Engrs.
L.C. VIII	2646.28	8962.65	City Dock Survey Primary Δ, Obliterated.
L.C. XVII	2387.26	2000.47	
L.C. XVIII	2960.48	9714.37	Stone Fd Gregg's Bend.
L.C. 4	1929.20	11324.59	Hill Opp. Nat'l Tube.
L.C. 6	3978.32	7160.08	West of Coal Dock.
L.C. 4	3557.71	7851.83	Stone Obliterated, Coal Dock.
L.C. (OTL)	1656.51	8288.96	Stone Obliterated 9 Ft. Cinder Fill.
L.C. 7	4910.67	8343.53	Stone At Bonnies Dock.
C. X	1631.59	8343.02	X On Conc. M.H. North Side Northerly Tracks B&O Shops.
L.C. 130	2139.58	8582.95	City Dock Line Pt. S. Side River Nat'l Tube Co.
L.C. 132	2230.68	7238.23	
L.C. 134	2375.74	9587.18	
U.S.C. 58	1906.26	10283.00	On Pt. Above Old Pump House.
U.S.L. 58-A	1944.26	10283.67	City Dock Survey Range Mon.

Note: - U.S. = (U.S. Engrs. Mon.) L = (City of Lorain) C = (County of Lorain).
 U.S.C. = (U.S. Engrs. & County) L.C. = (City of Lorain & County).
 See: E. 21ST Street Bridge Field Books 1-2-3 & Calc. Book #1.
 See: Sheet #1.

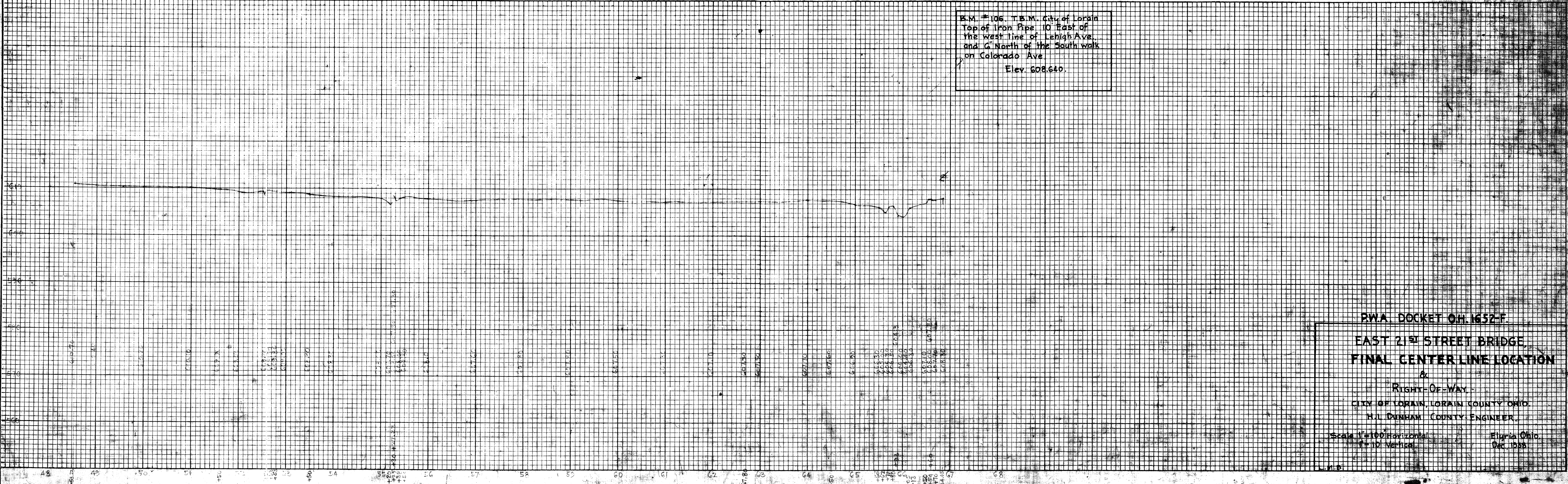
P.W.A. DOCKET O.H. 1652-F.
EAST 21ST STREET BRIDGE.
 LORAIN HARBOR TRIANGULATION,
 &
 DOCK LINES
 CITY OF LORAIN, LORAIN COUNTY OHIO.
 H. L. DUNHAM COUNTY ENGINEER.
 Scale 1"=100'
 Elyria Ohio
 Dec., 1938.

PLAN	DATE
NO.	
NOTE BOOK	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	

PROFILE	DATE
NO.	
NOTE BOOK	
GRADES CHECKED	
B. M. NOTED	
STRUCTURE NOTATIONS CHECKED	



B.M. # 106 T.B.M. City of Lorain
Top of Iron Pipe 10' East of
the west line of Lehigh Ave.
and 6' North of the South walk
on Colorado Ave.
Elev. 608.640.



RWA DOCKET OH. 1652-F

EAST 21ST STREET BRIDGE

FINAL CENTER LINE LOCATION

&

RIGHT-OF-WAY

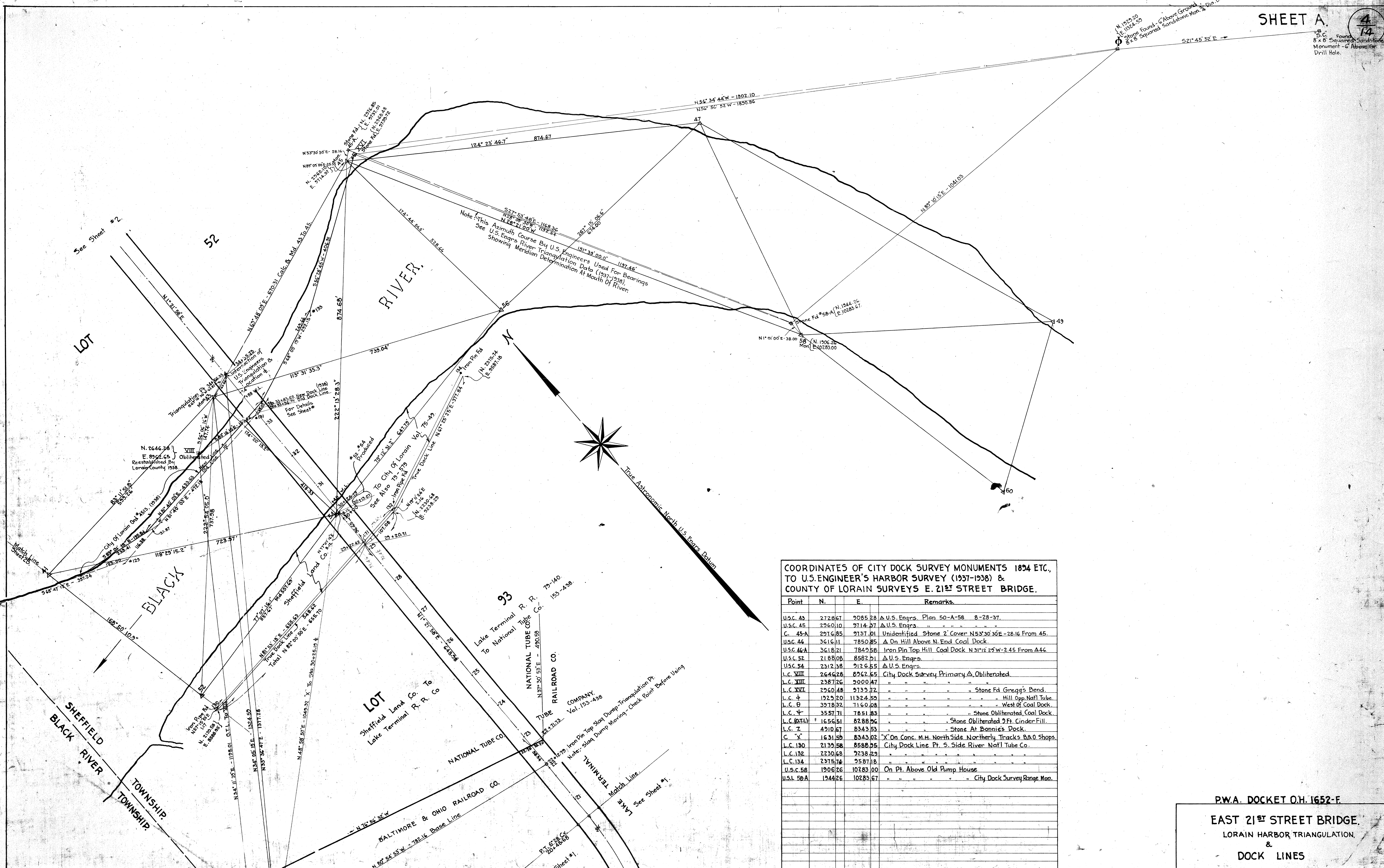
CITY OF LORAIN, LORAIN COUNTY OHIO

H. J. DUNHAM COUNTY ENGINEER

Scale: 1" = 100' Horizontal
1" = 10' Vertical

Lorain Ohio
Dec. 1955

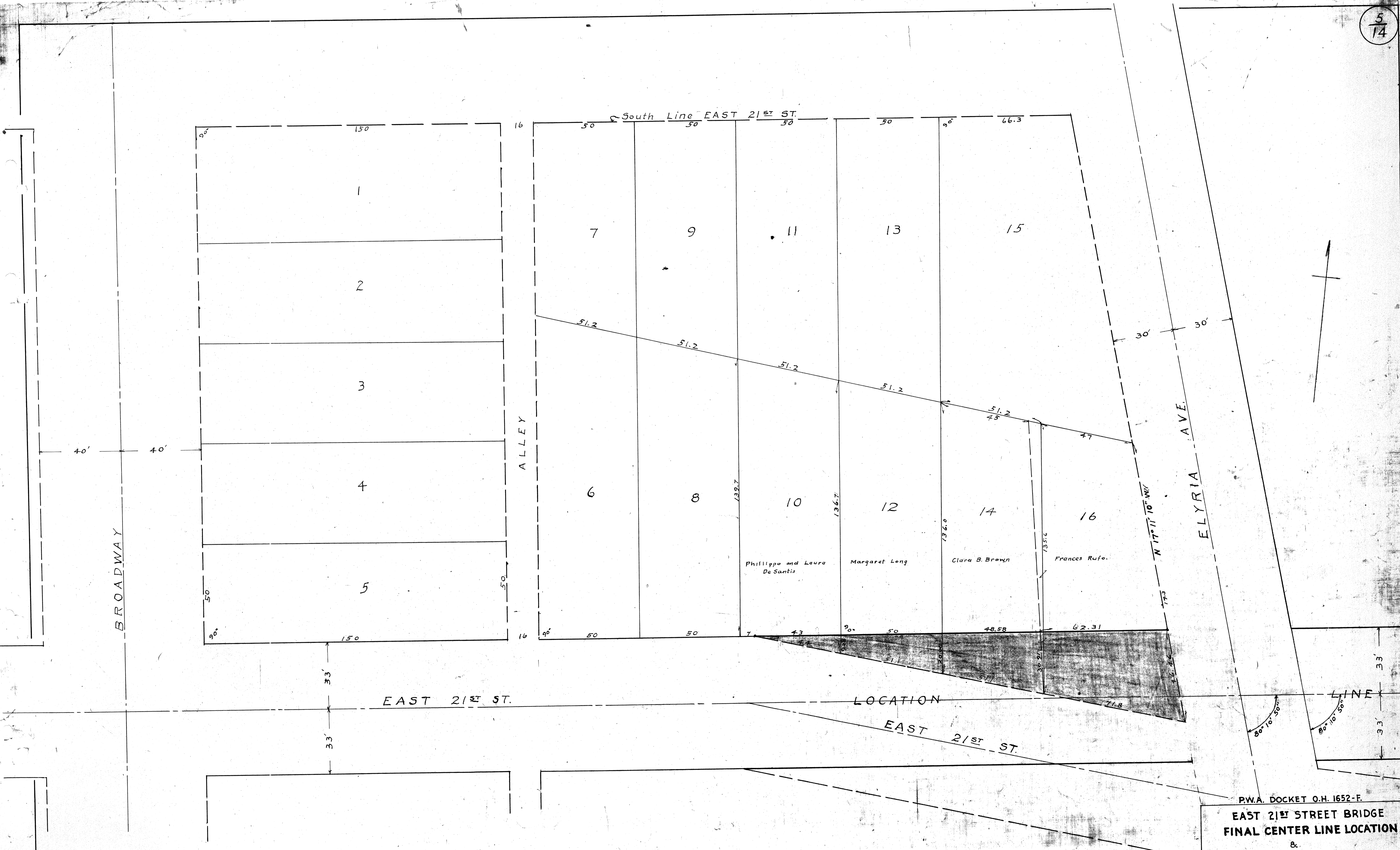
8" x 8" Squared Sandstone Monument - G Above Old Drill Hole.



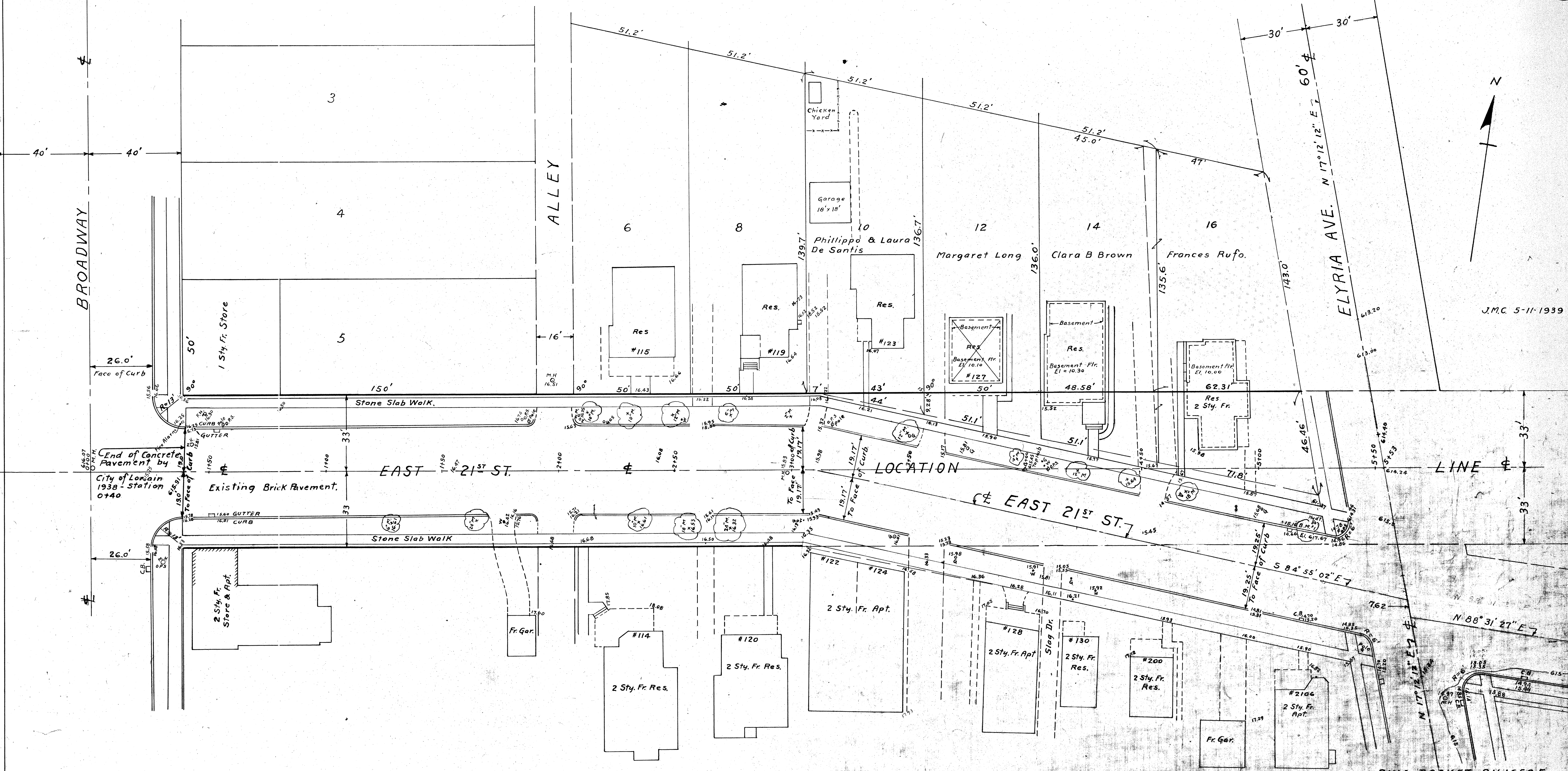
COORDINATES OF CITY DOCK SURVEY MONUMENTS 1894 ETC., TO U.S. ENGINEER'S HARBOR SURVEY (1937-1938) & COUNTY OF LORAIN SURVEYS E. 21ST STREET BRIDGE.

Point	N.	E.	Remarks.
U.S.C. 43	2728.67	2085.28	U.S. Engrs. Plan 50-A-58 8-28-37.
U.S.C. 45	2960.10	2714.37	U.S. Engrs.
C. 45-A	2916.85	2137.01	Unidentified Stone 2' Cover N53°30'30"E - 28.16 From 45.
U.S.C. 46	3616.11	7850.85	On Hill Above N. End Coal Dock.
U.S.C. 46-A	3618.21	7849.58	Iron Pin Top Hill Coal Dock N 31° 12' 29" W - 2.45 From Δ 46.
U.S.C. 52	2188.08	8582.21	U.S. Engrs.
U.S.C. 54	2312.38	9126.55	U.S. Engrs.
L.C. VIII	2646.28	8962.65	City Dock Survey Primary Δ, Obliterated.
L.C. XIII	2387.26	2000.47	" " " " " "
L.C. XVI	2960.48	2132.72	" " " " " "
L.C. 4	1925.20	11324.52	" " " " " Hill Opp. Nat'l Tube.
L.C. 8	3278.32	11660.28	" " " " " West of Coal Dock.
L.C. 4	3557.71	7851.83	" " " " " Stone Obliterated Coal Dock.
L.C. (21L)	1656.51	8288.26	" " " " " Stone Obliterated 2 Ft. Cinder Fill.
L.C. 7	4210.67	8343.53	" " " " " Stone At Bonnie's Dock.
C. X	1631.59	8343.02	" " " " " X On Conc. M.H. North Side Northernly Tracks B&O Shops.
L.C. 130	2139.58	8588.25	City Dock Line Pt. S. Side River Nat'l Tube Co.
L.C. 132	2230.68	2238.23	" " " " " "
L.C. 134	2375.74	2587.18	" " " " " "
U.S.C. 58	1906.26	10283.00	On Pt. Above Old Pump House
U.S.L. 58-A	1944.26	10283.67	" " " " " City Dock Survey Range Mon.

P.W.A. DOCKET O.H. 1652-F
 EAST 21ST STREET BRIDGE.
 LORAIN HARBOR TRIANGULATION
 &
 DOCK LINES
 CITY OF LORAIN, LORAIN COUNTY, OHIO

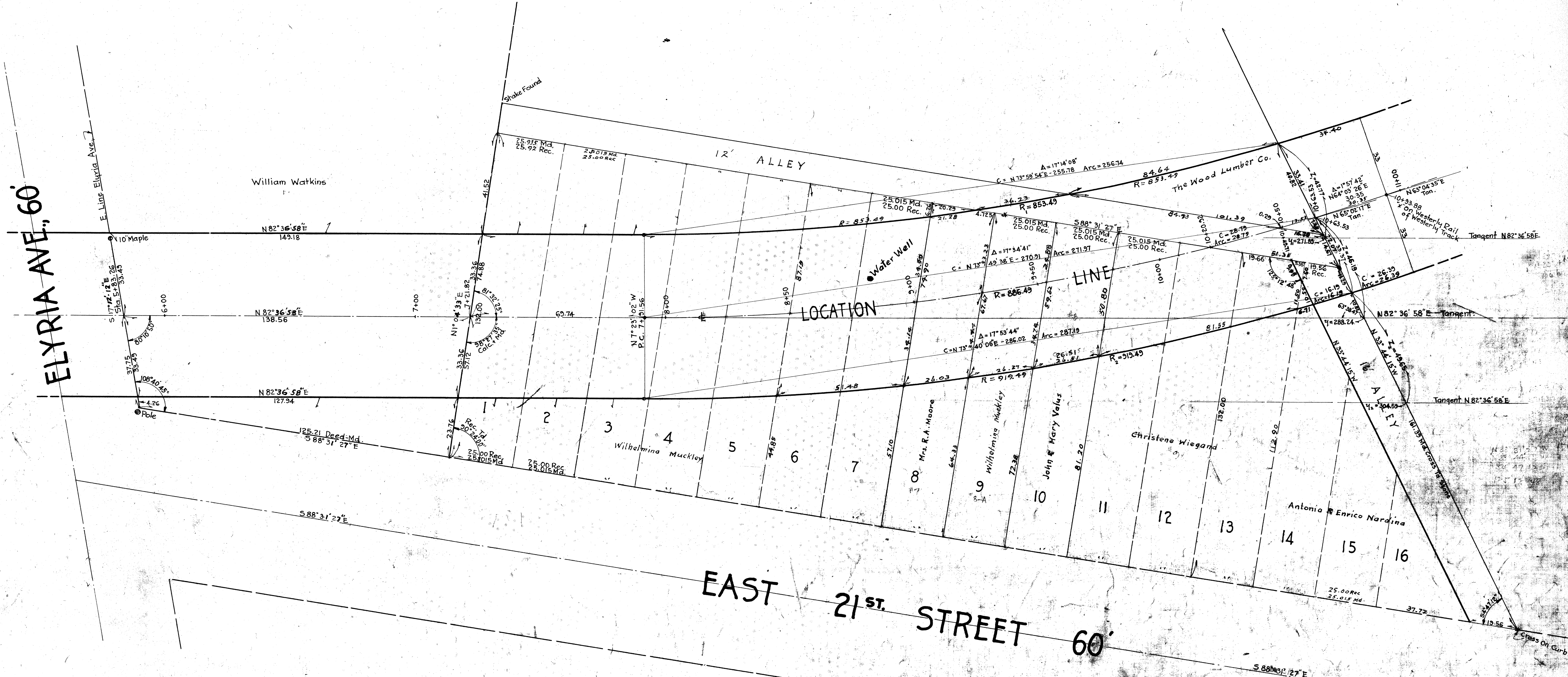


P.W.A. DOCKET O.H. 1652-F.
 EAST 21ST STREET BRIDGE
 FINAL CENTER LINE LOCATION
 &
 RIGHT-OF-WAY



PWA DOCKET OH 1652 F
 EAST 21ST STREET BRIDGE
 FINAL CENTER LINE LOCATION
 &
 RIGHT-OF-WAY
 CITY OF LORAIN, LORAIN COUNTY, OHIO
 H.L. DUNHAM, COUNTY ENGINEER
 Scale 1"=20'
 Elyria, Ohio
 March 1939

J.M.C. 5-11-1939



P.W.A. DOCKET O.H. 1652-F.

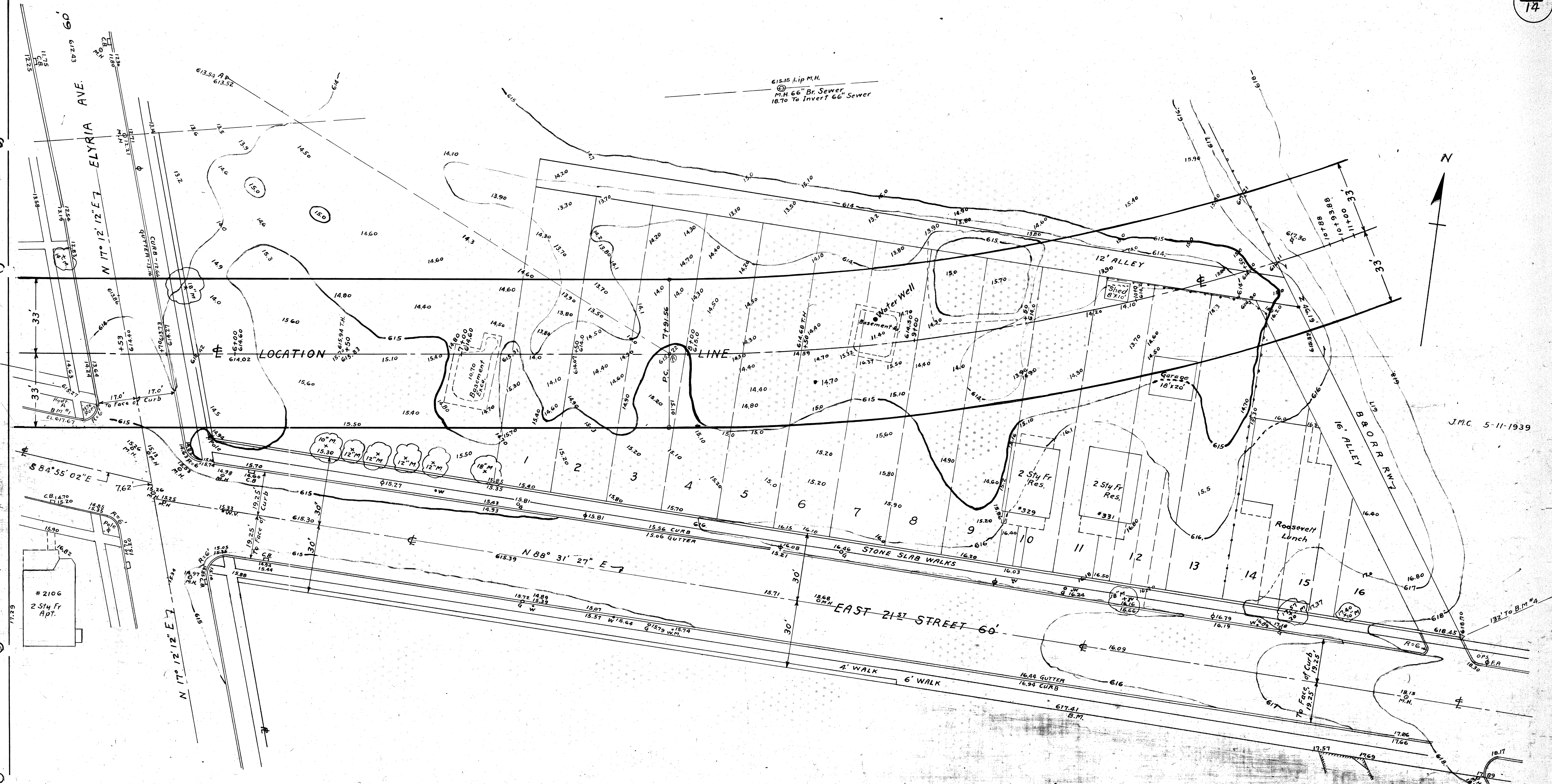
**EAST 21ST STREET BRIDGE,
FINAL CENTER LINE LOCATION
&
RIGHT-OF-WAY.**

CITY OF LORAIN, LORAIN COUNTY OHIO
H.L. DUNHAM COUNTY ENGINEER.

Scale 1"=100' Horizontal
1"=10' Vertical

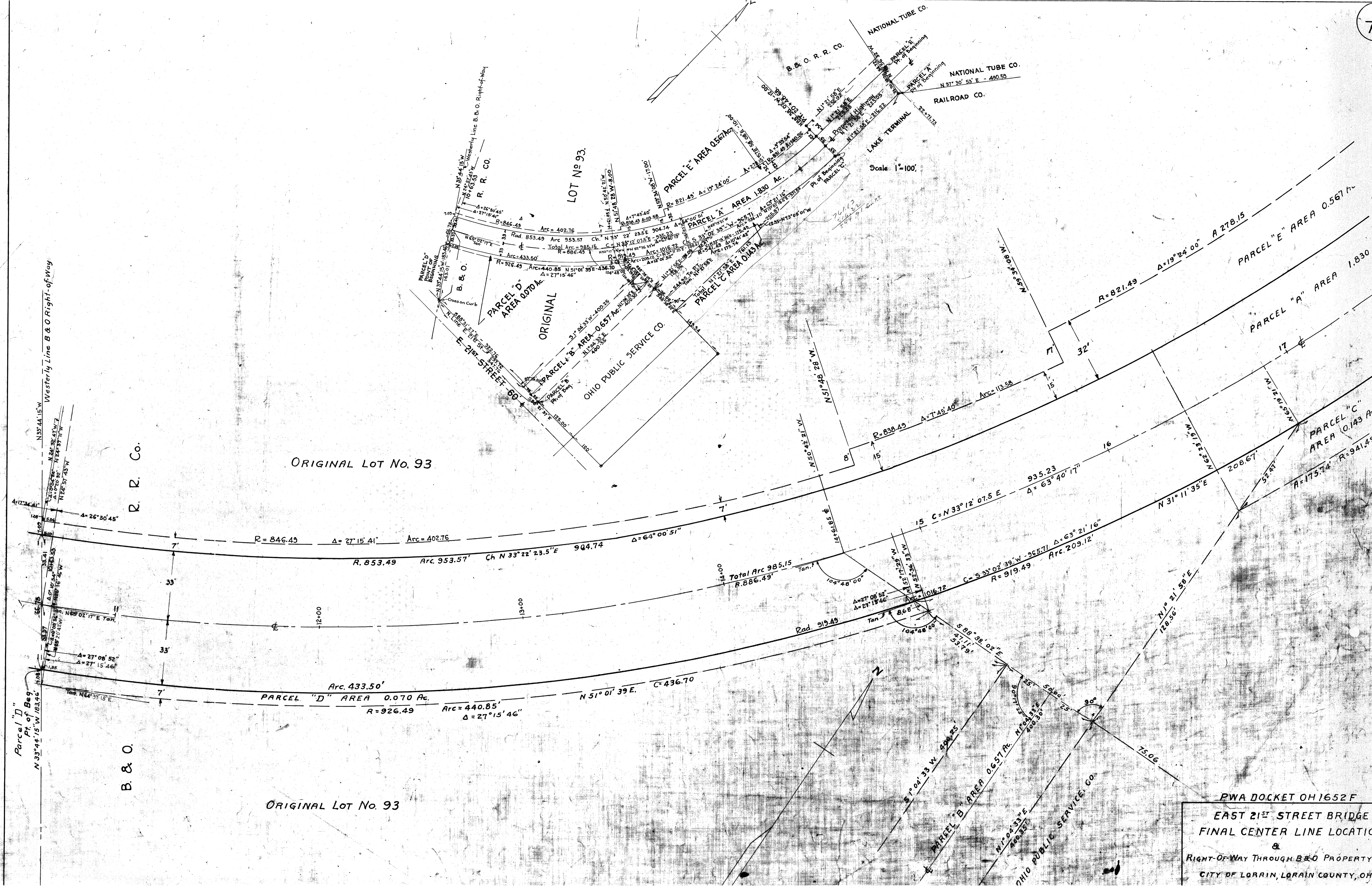
Elyria Ohio
Dec. 1938.

L.M.B.



J.M.C. 5-11-1939

PWA DOCKET OH.1652 F
 EAST 21ST STREET BRIDGE
 FINAL CENTER LINE LOCATION
 &
 RIGHT-OF-WAY
 CITY OF LORAIN, LORAIN COUNTY OHIO
 H.L. DUNHAM COUNTY ENGINEER
 Elvria, Ohio
 March 1939

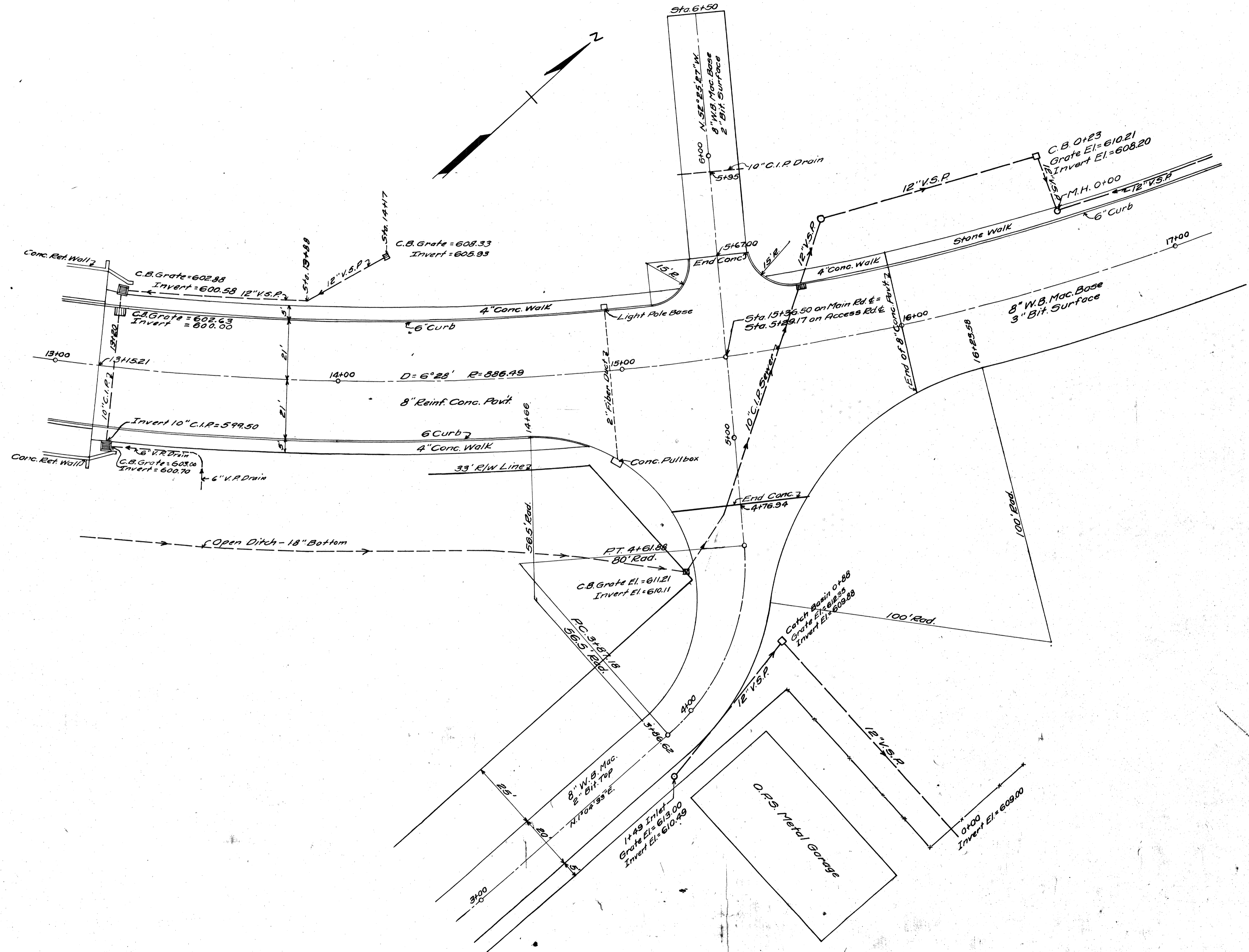


ORIGINAL LOT No. 93

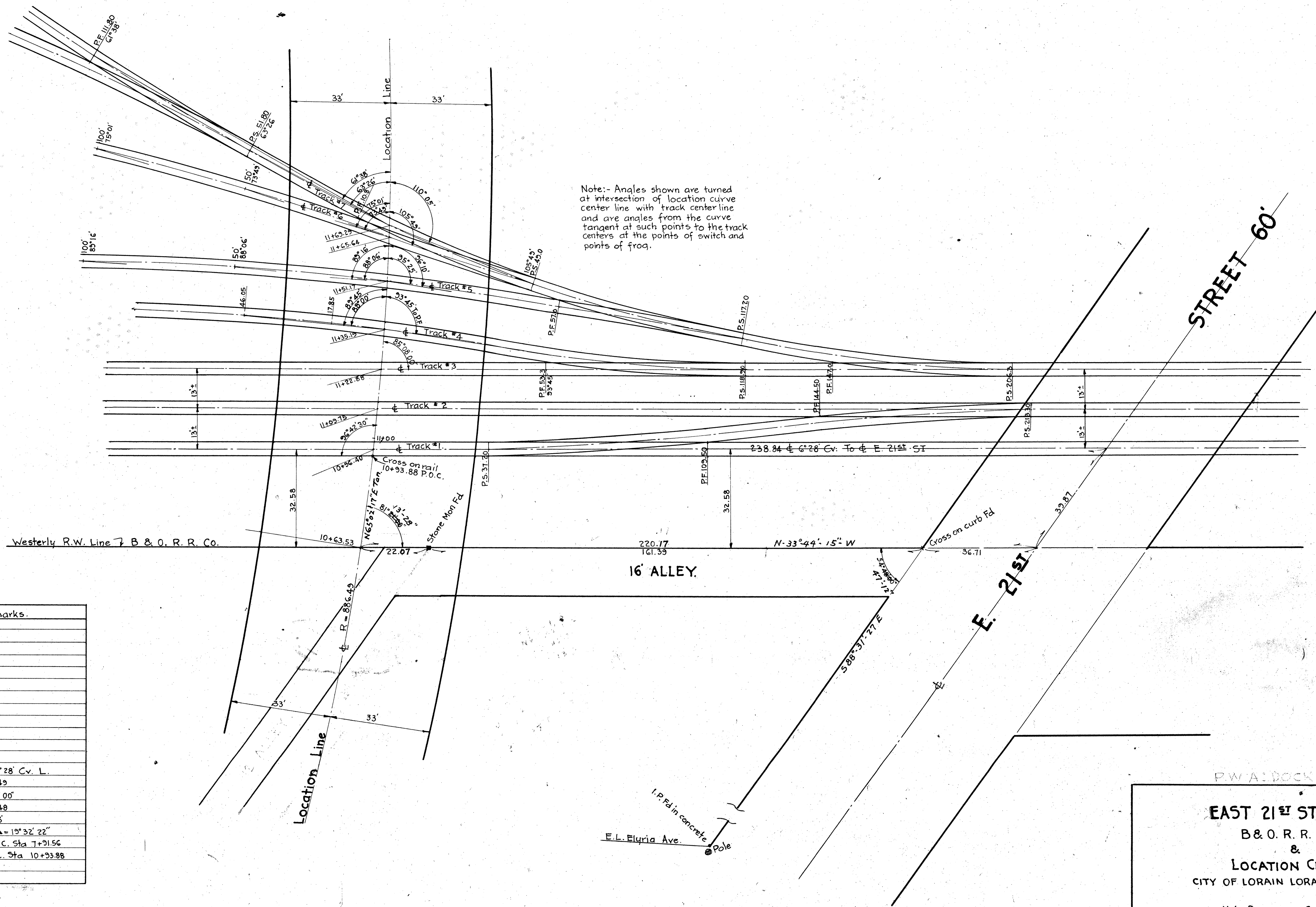
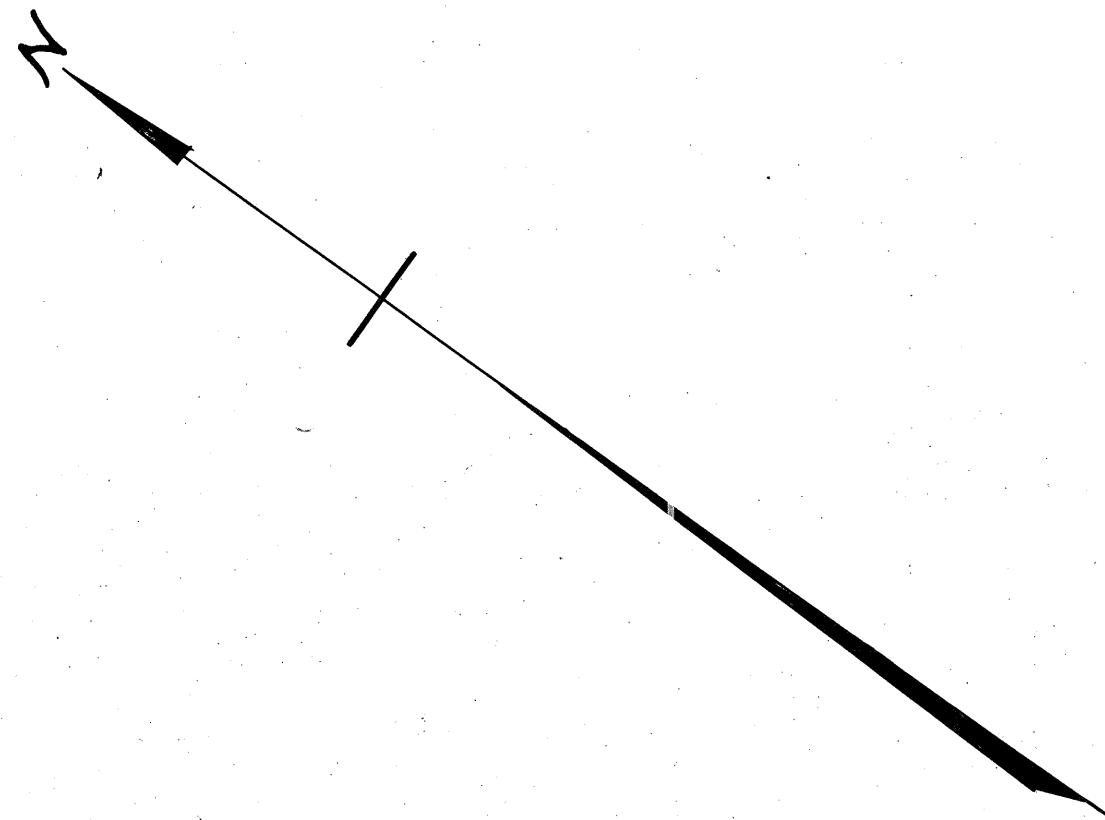
ORIGINAL LOT No. 93

Scale 1"=100'

PWA DOCKET OH 1652 F
 EAST 21ST STREET BRIDGE
 FINAL CENTER LINE LOCATION
 &
 RIGHT-OF-WAY THROUGH B&O PROPERTY,
 CITY OF LORAIN, LORAIN COUNTY, OHIO

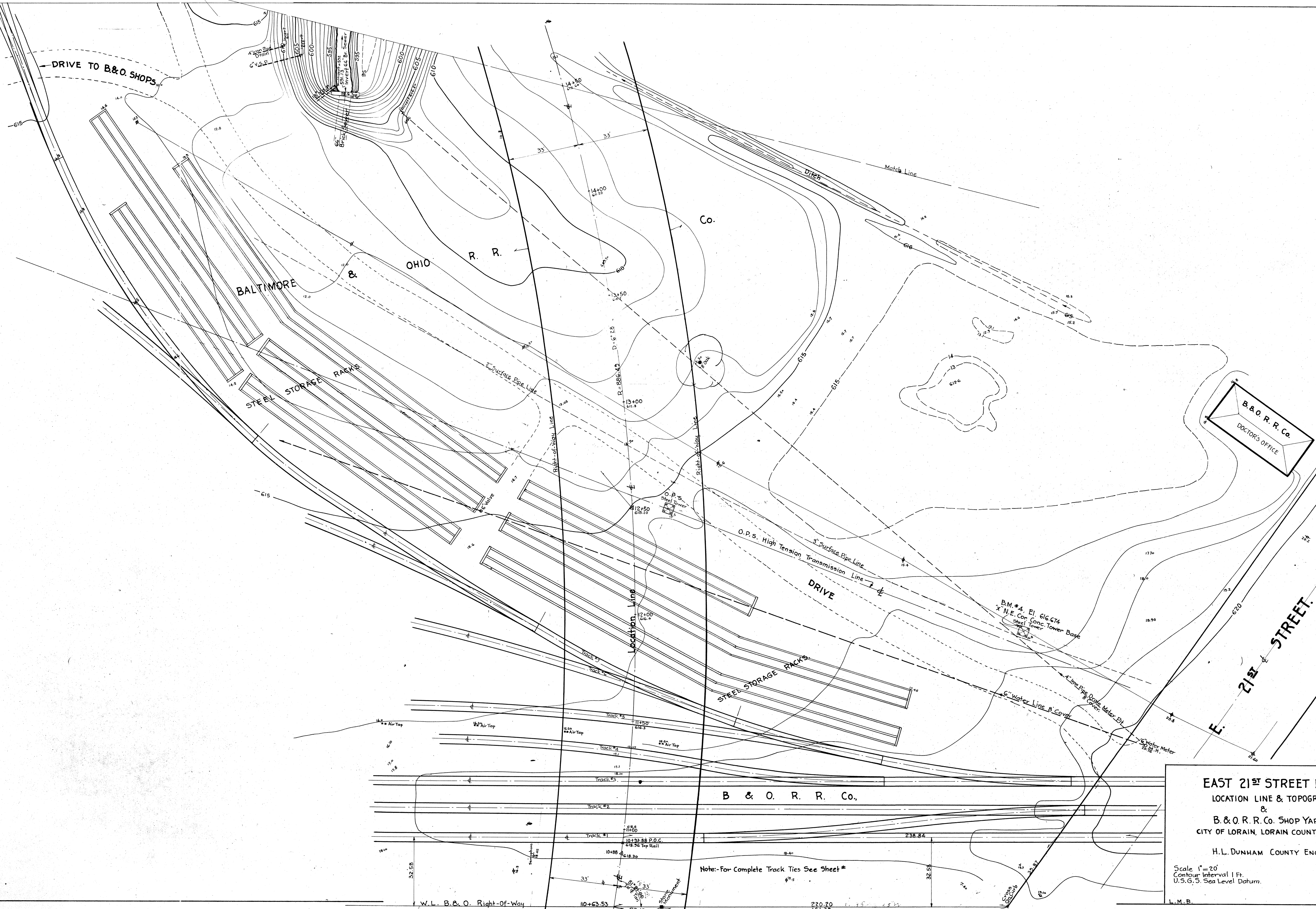


EAST 21ST STREET BRIDGE
 OH-1652-F
 SKETCH SHOWING
 DRAINAGE SYSTEM & ACCESS RD. CHANGES
 LORAIN COUNTY
 H.L. DUNHAM COUNTY ENGINEER
 Scale 1"=20'-0" OCT 21, 1940



Station	Total Chord	Def.	Total Δ From 10+33.88 P.O.C.	Point	L To Rt F.S. Tan O.C.	L To Lt F.S. Tan O.C.	Remarks
10+63.53	- 30.35	0° 58' 50"	1° 57' 40"				
10+33.88	0.00			Cross on w. rail track #1		96° 42' 30"	
10+26.40	+ 2.52	0° 05' 00"	0° 10' 00"	Track #1			
11+09.75	15.87	0° 31' 00"	1° 02' 00"	Track #2			
11+22.88	29.00	0° 56' 00"	1° 52' 00"	Track #3	85° 08'		
11+35.15	41.31	1° 20' 00"	2° 40' 00"	Track #4			
11+51.17	57.29	1° 51' 00"	3° 42' 00"	Track #5			
11+65.64	71.76	2° 15' 00"	4° 38' 00"	Track #6			
11+69.29	75.41	2° 26' 00"	4° 52' 00"	Track #7			
Total 6° 28' Cv. L. R = 884.49 Δ = 81° 15' 00" T = 760.48 D = 6° 28' Total Δ = 19° 32' 22" From P.C. Sta 7+31.56 To P.O.C. Sta 10+33.88							

P.W.A. DOCKET C.H. 10331
EAST 21ST STREET BRIDGE,
 B & O. R. R. TRACKS,
 &
LOCATION CENTER LINE
 CITY OF LORAIN LORAIN COUNTY OHIO.
 H.L. DUNHAM COUNTY ENGINEER.
 Scale 1"=20' Oct. 3rd 1938.



EAST 21ST STREET BRIDGE.
 LOCATION LINE & TOPOGRAPHY
 &
 B. & O. R. R. Co. SHOP YARDS,
 CITY OF LORAIN, LORAIN COUNTY OHIO.

H. L. DUNHAM COUNTY ENGINEER.

Scale 1"=20'
 Contour Interval 1 Ft.
 U.S.G.S. Sea Level Datum.

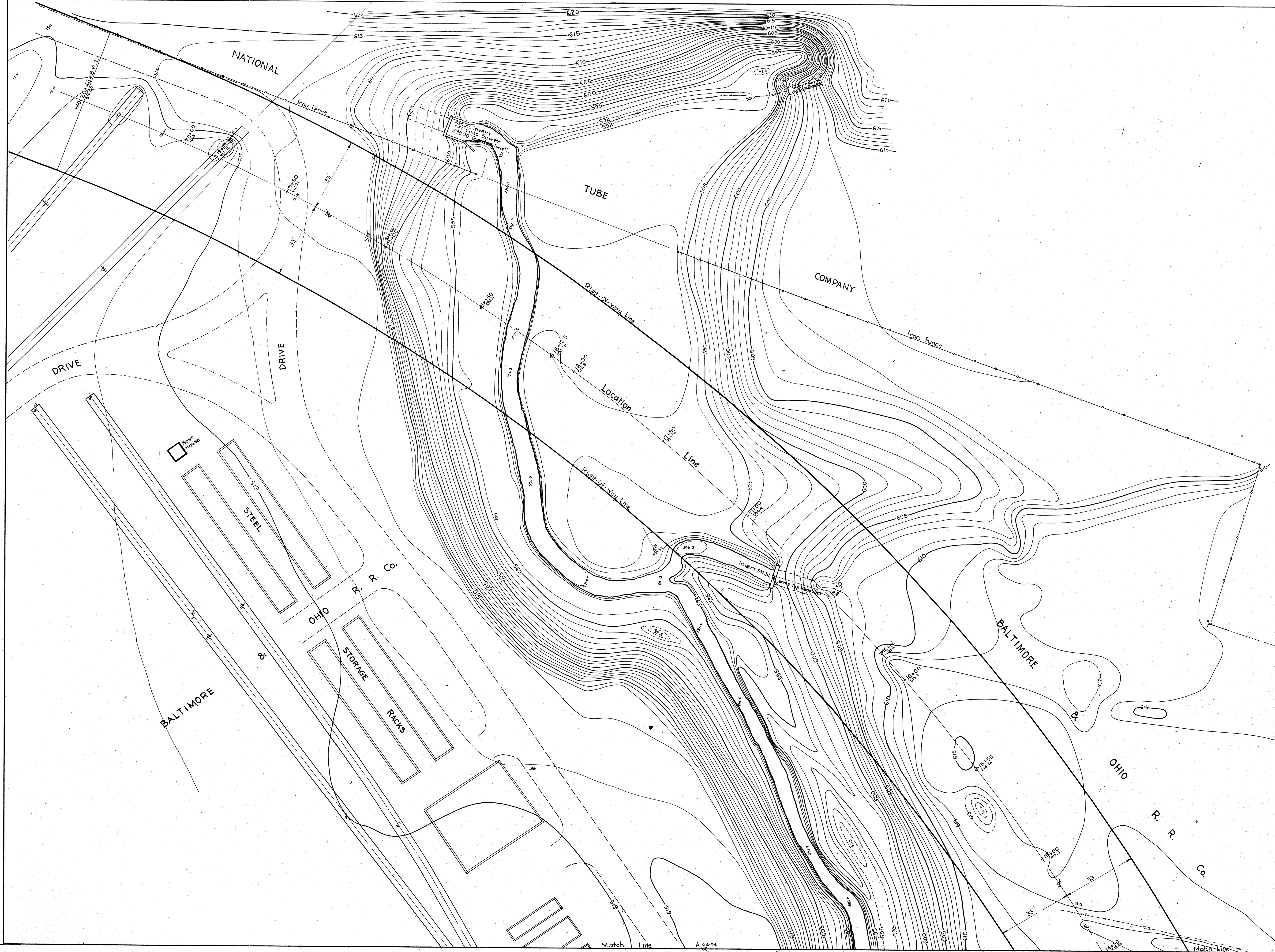
Oct 22nd 1938.

L.M.B.

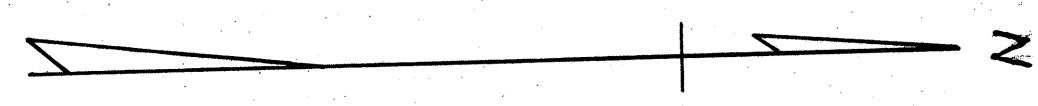
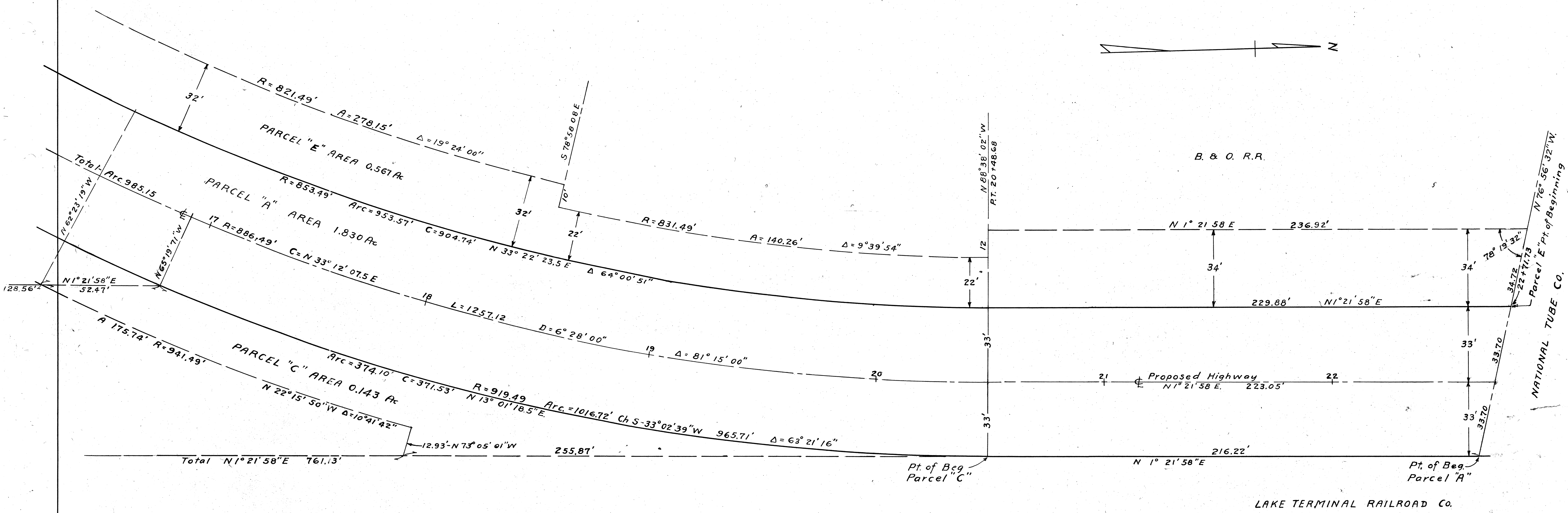
Note: For Complete Track Ties See Sheet #

W.L. B. & O. Right-Of-Way

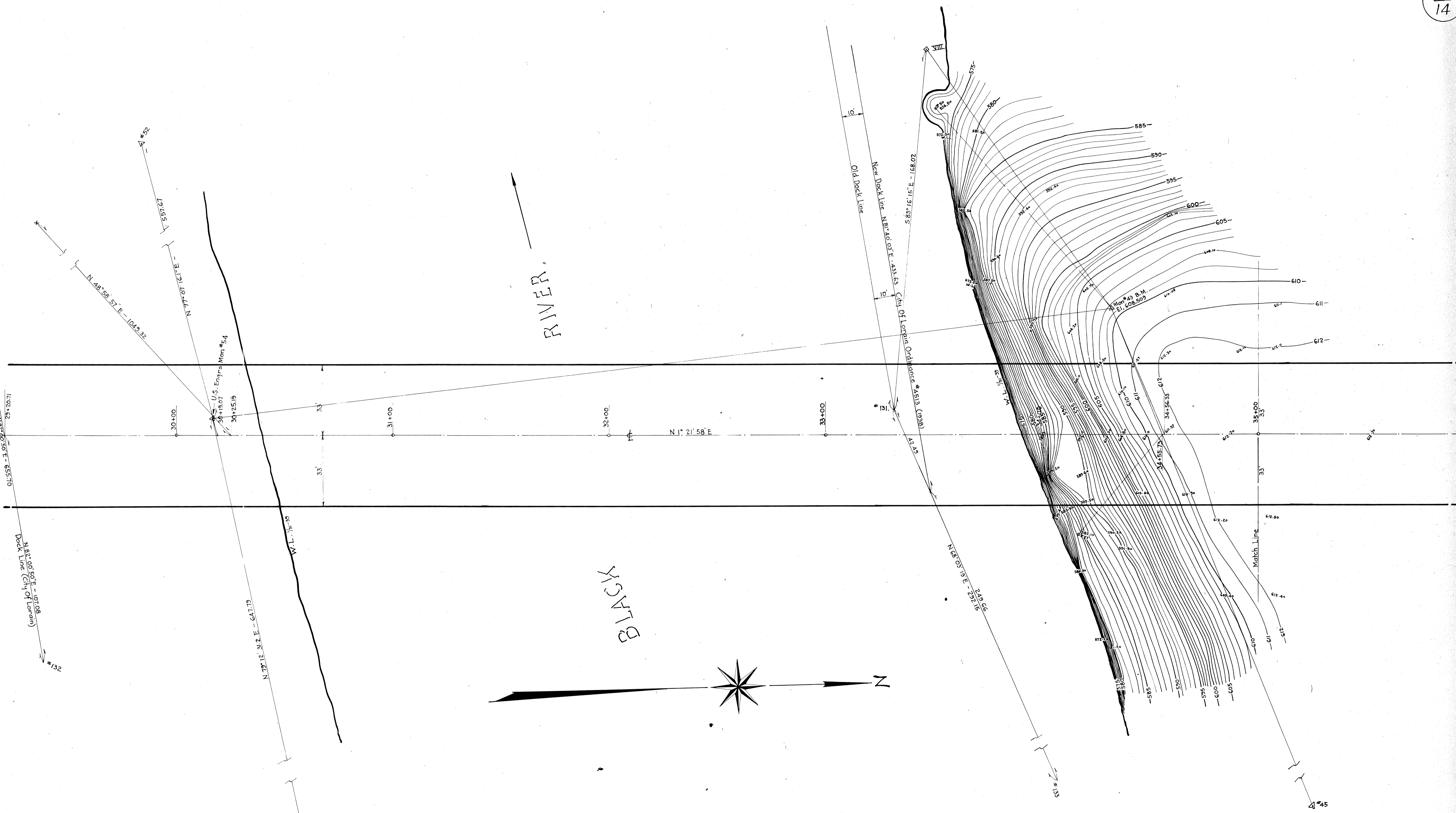
220.20
161.33



EAST 21ST STREET BRIDGE.
 LOCATION LINE & TOPOGRAPHY
 &
 B. & O. R. R. Co. SHOP YARDS,
 CITY OF LORAIN LORAIN COUNTY OHIO.
 H. L. DUNHAM COUNTY ENGINEER.
 Scale 1"=20'
 Contour Interval 1 Ft.
 U.S.G.S. Sea Level Datum. Oct. 24th 1938.



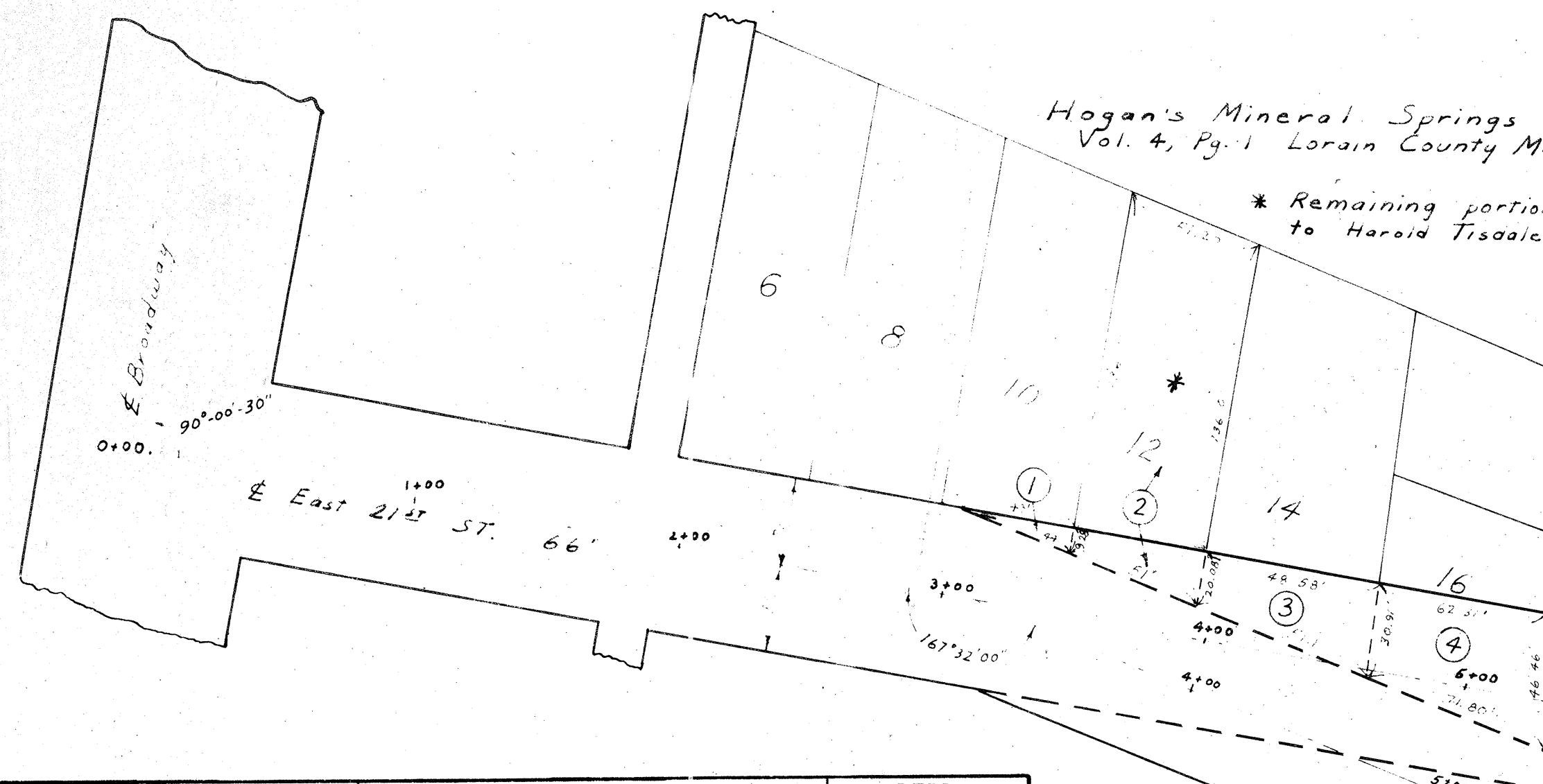
PWA DOCKET OH 1652 E
 EAST 21ST STREET BRIDGE
 FINAL CENTER LINE LOCATION
 &
 RIGHT-OF-WAY THROUGH B&O PROPERTY.
 CITY OF LORAIN, LORAIN COUNTY, OHIO
 H.L. DUNHAM, COUNTY ENGINEER.



RIVER.

BLACK

P.W.A. DOCKET O.H. 1652-F
 EAST 21ST STREET BRIDGE.
 FINAL CENTER LINE LOCATION
 TOPOGRAPHY NORTH BANK
 BLACK RIVER
 CITY OF LORAIN LORAIN COUNTY OHIO.
 H.L. DUNHAM COUNTY ENGINEER.



Hogan's Mineral Springs Addition
 Vol. 4, Pg. 1 Lorain County Map Records
 * Remaining portion S.L. 12 sold by Lorain Co. Comm.
 to Harold Tisdale 11-20-39

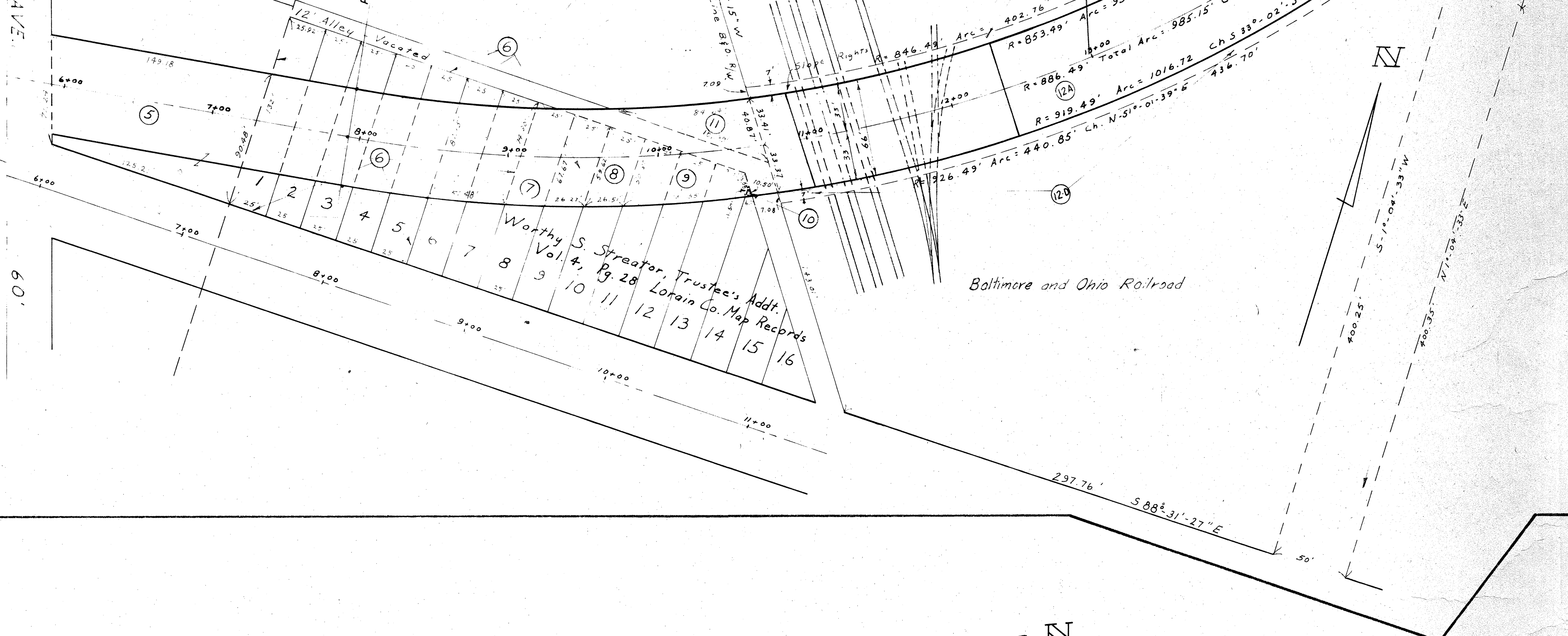
CENTER LINE CURVE DATA
 $\Delta = 81^{\circ}15'00''$
 $D = 6^{\circ}28'00''$
 $R = 886.49'$
 $T = 281.50'$
 $L = 1257.12'$
 $L_c = 1154.40'$

Superseded by
 LOR-611-353(PRT)

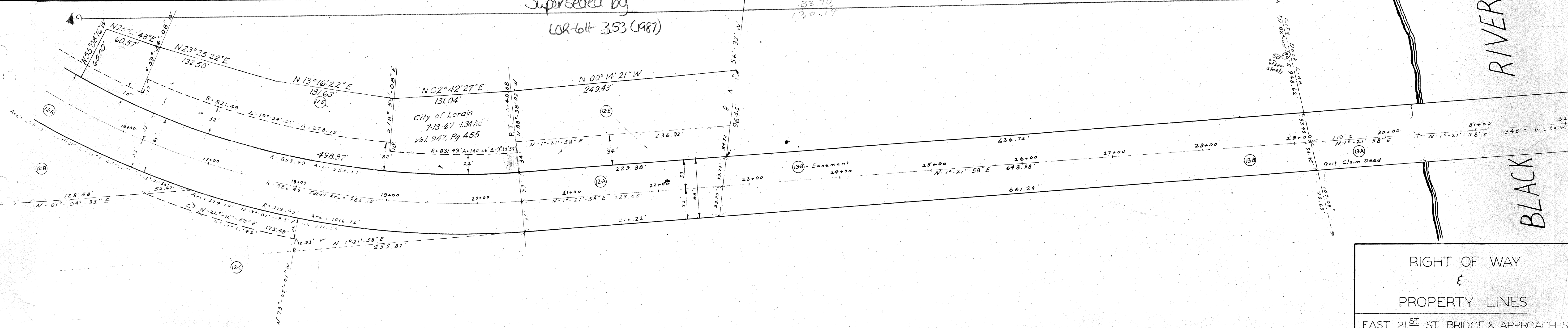
PARCEL	GRANTOR	GRANTEE	DEED	
			VOLUME	PAGE
1	Filippo & Laura DeSautis	Lorain County, Ohio	295	496
2	Margaret Long	Lorain County, Ohio	295	304
3	Vincenzo Cencioni, et al.	Lorain County, Ohio	297	113
4	Francis Rufe Bernhart	Lorain County, Ohio	297	95
5	Laura Rowley, et al	Board of County Commissioners of Lorain County, Ohio	297	186
6	Wilhelmina Muckley	Lorain County, Ohio	297	561
7	Carl R. Finegan, Sheriff	Lorain County, Ohio	297	84
8	Mary Walus	Lorain County, Ohio	299	62
9	Christine Wiegand	Lorain County, Ohio	296	333
10	Antonio & Elvira Nardini	Lorain County, Ohio	299	131
11	The Wood Lumber Co.	Lorain County, Ohio	296	582
12-A	The Baltimore & Ohio R.R. Co.	Board of County Commissioners of Lorain County, Ohio	297	609
12-B	The Baltimore & Ohio R.R. Co.	Board of County Commissioners of Lorain County, Ohio	297	609
12-C	The Baltimore & Ohio R.R. Co.	Board of County Commissioners of Lorain County, Ohio	297	609
12-D	The Baltimore & Ohio R.R. Co.	Board of County Commissioners of Lorain County, Ohio	297	609
12-E	The Baltimore & Ohio R.R. Co.	Board of County Commissioners of Lorain County, Ohio	297	609
13-A	The Lake Terminal R.R. Co.	The County of Lorain	296	563
13-B	National Tube Company	County of Lorain, State of Ohio	298	333

ELYRIA AVE.

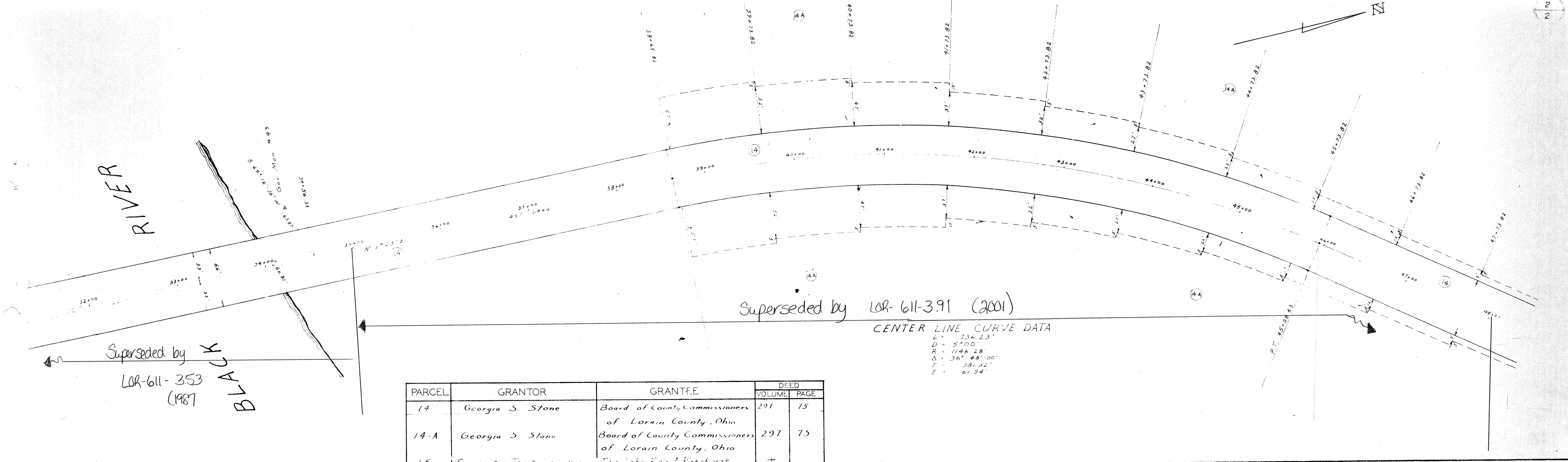
BLACK RIVER TWP.
 ORIGINAL TWP. LINE
 SHEFFIELD TWP.



Superseded by
 LOR-611-353 (PRT)



RIGHT OF WAY
 &
 PROPERTY LINES
 EAST 21ST ST. BRIDGE & APPROACHES



Superseded by LOR-611-391 (2001)

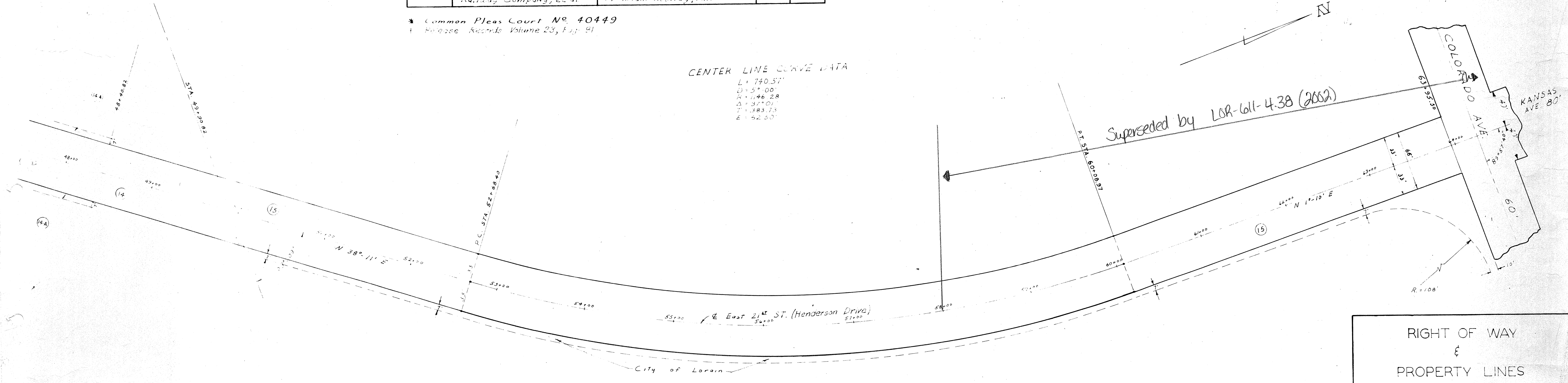
CENTER LINE CURVE DATA

L = 736.23'
D = 5° 00'
R = 1146.28'
Δ = 36° 48' 00"
T = 381.32'
E = 07.94'

Superseded by
LOR-611-353
(1987)

PARCEL	GRANTOR	GRANTEE	DEED	
			VOLUME	PAGE
14	Georgia S. Stone	Board of County Commissioners of Lorain County, Ohio	297	75
14-A	Georgia S. Stone	Board of County Commissioners of Lorain County, Ohio	297	75
15	Guaranty Trust Company of New York	The Lake Erie & Pittsburgh Railway Company, et al.	+	
15	Lake Erie & Pittsburgh Railway Company, et al.	Board of County Commissioners of Lorain County, Ohio	*	

* Common Pleas Court No. 40449
+ Release Records Volume 23, Page 91



CENTER LINE CURVE DATA

L = 740.57'
D = 5° 00'
R = 1146.28'
Δ = 37° 01'
T = 383.73'
E = 52.50'

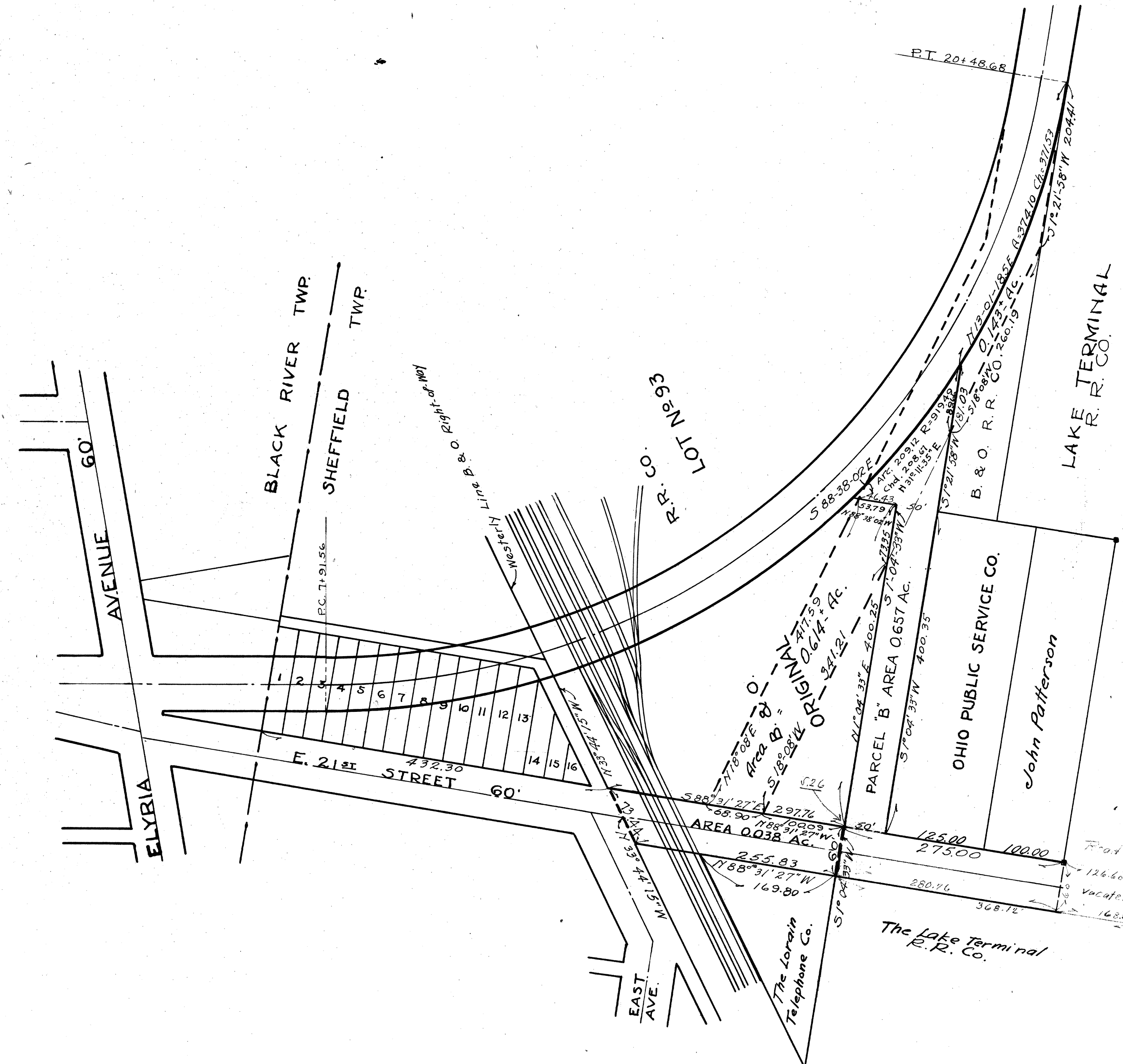
Superseded by LOR-611-438 (2002)

RIGHT OF WAY
&
PROPERTY LINES

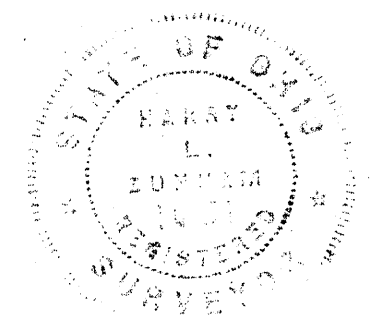
EAST 21ST ST. BRIDGE & APPROACHES
EAST APPROACH

CITY OF LORAIN LORAIN COUNTY OHIO
EUGENE E. ROBERTS LORAIN CO. ENGR.

DRAWN BY: [Signature]
CHECKED BY: [Signature]
SCALE: 1" = 50'
AUGUST, 1966



VACATION PLAT OF
 PART OF E. 21ST STREET
 IN ORIG. LOT NO. 93
 SHEFFIELD TOWNSHIP
 LORAIN CO., OHIO
 Dec. 1940 H.L. Dunham, Co., Engineer



Foot Record 4 p. 218 July 20, 1895

The Lorain Telephone Co.