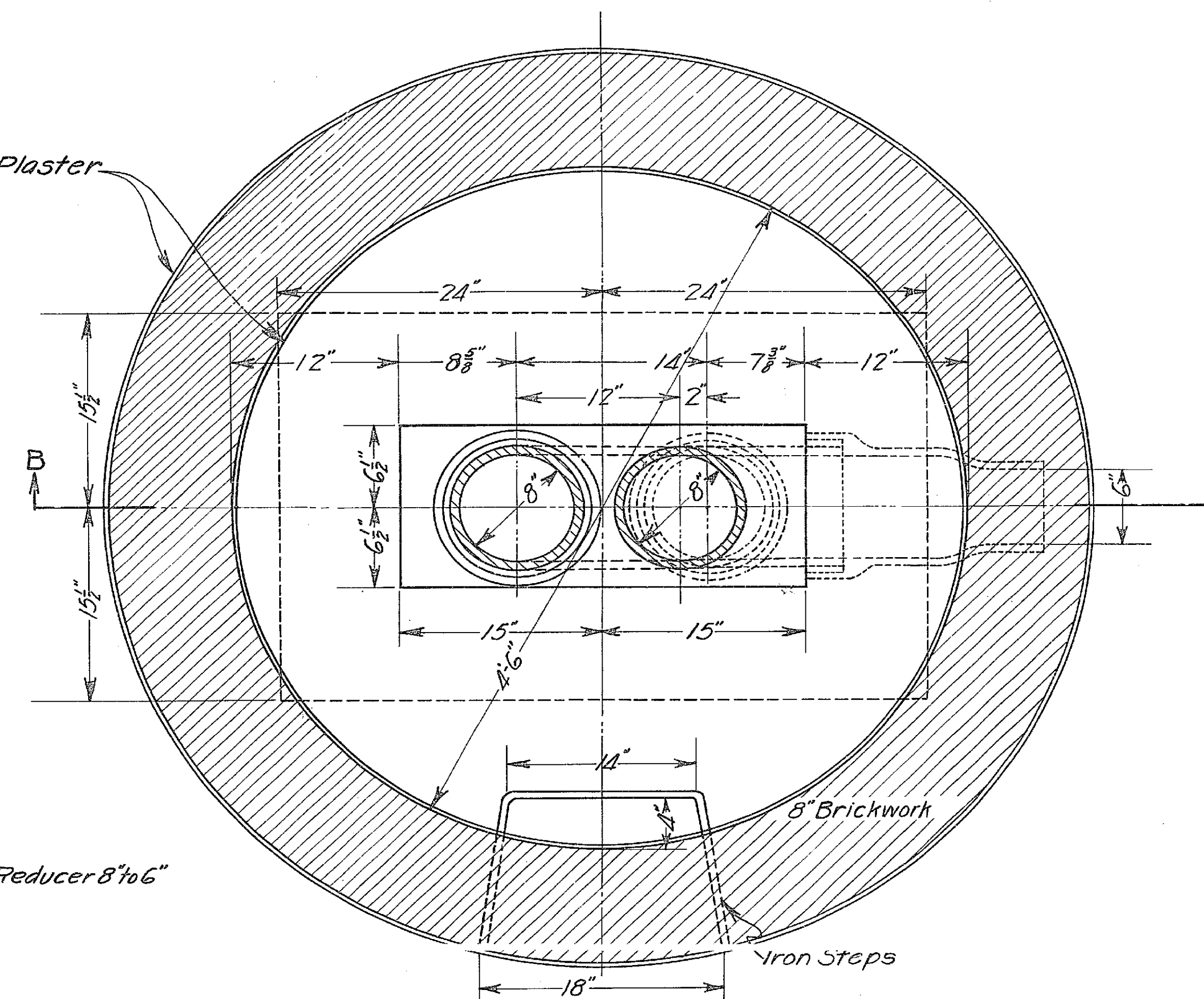


SECTION B-B



SECTION A-A

NOTES

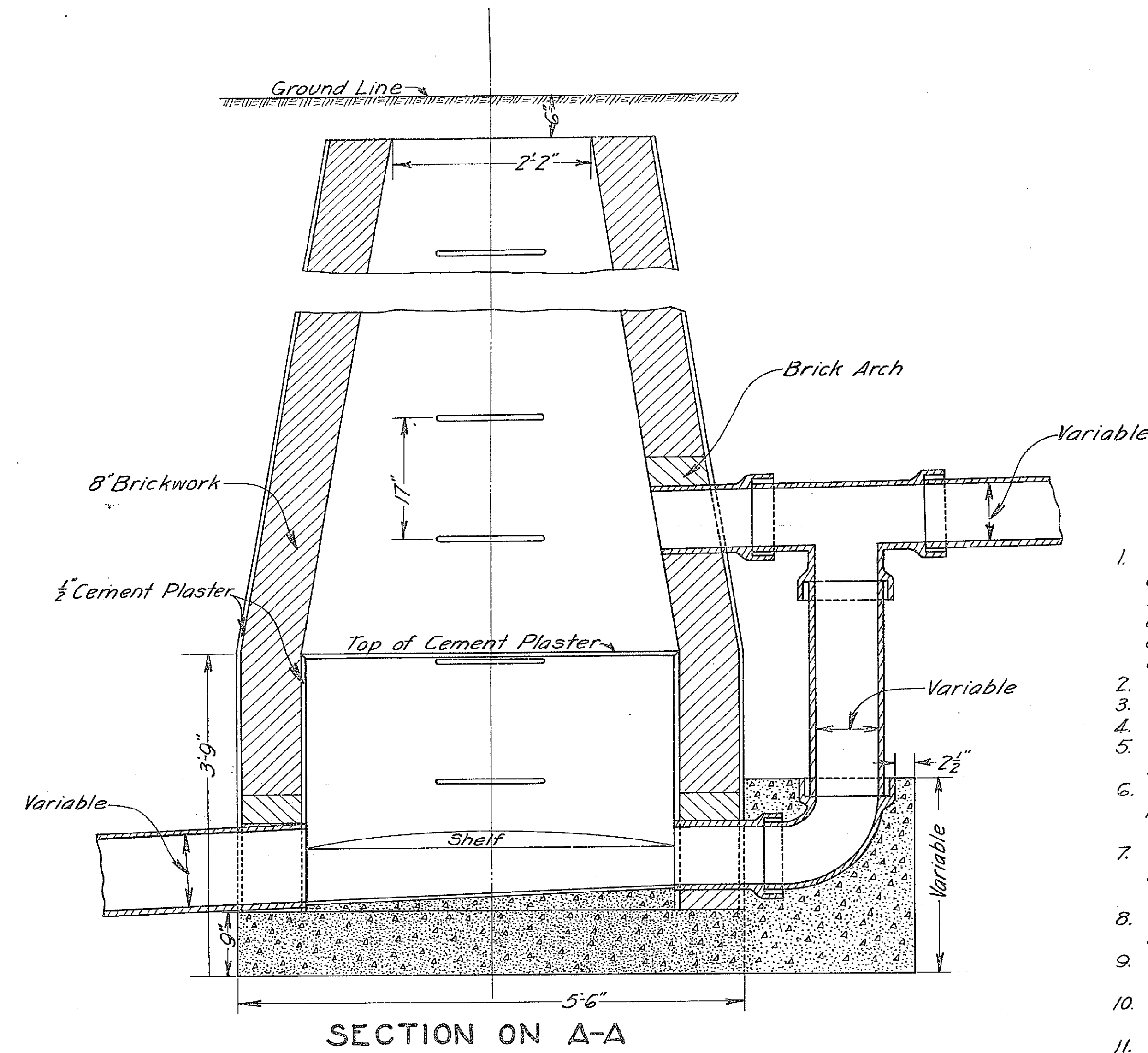
1. Use Standard Type 2" Manhole Head Casting.
2. The joints shall be poured with hot sulphur compound except as shown.
3. The storage chamber shall be made water tight.
4. The flow line of the large end of the reducer joint shall be set .10' below elevation of Flush Tank flow line as shown on profiles.
5. When the storage chamber fills to the Maximum Water Level as shown the Siphon Flusher will discharge automatically.
6. Steps shall be of 3/4" round iron bars coated with asphaltum paint and spaced as shown on plans of Manhole.

VITRIFIED CLAY SYPHON FLUSHER

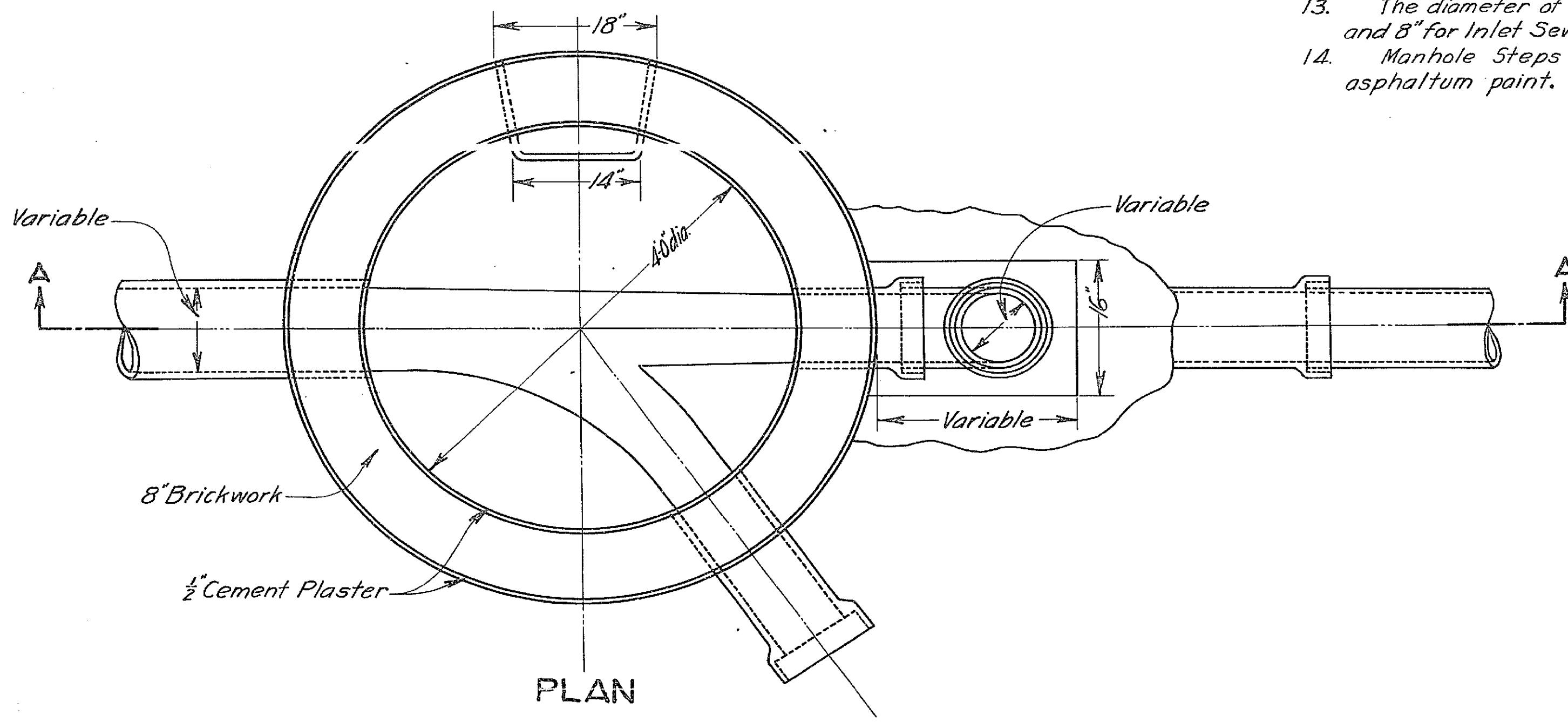
SCALE 1/2"=1'

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A-18.1

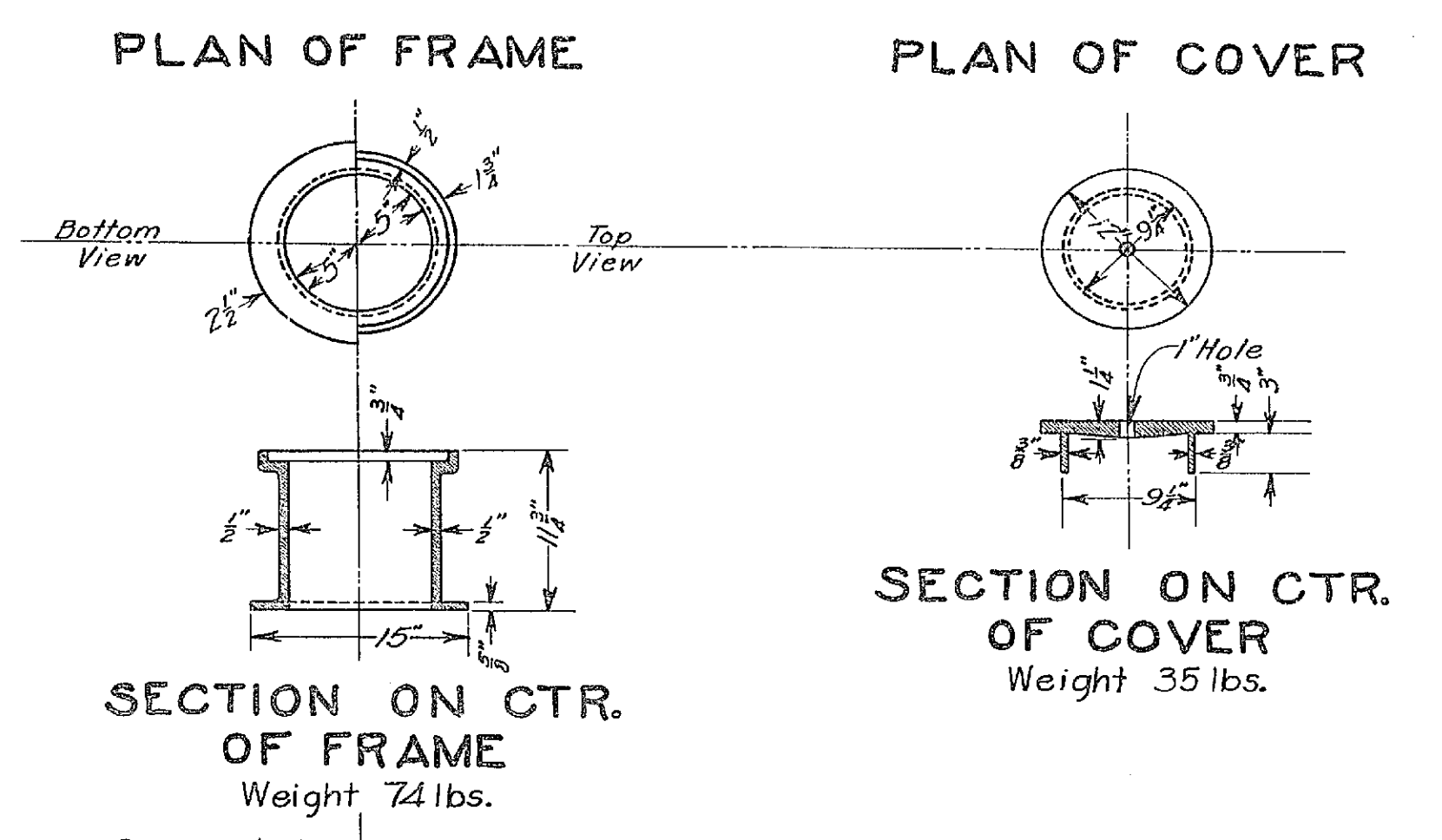


SECTION ON A-A

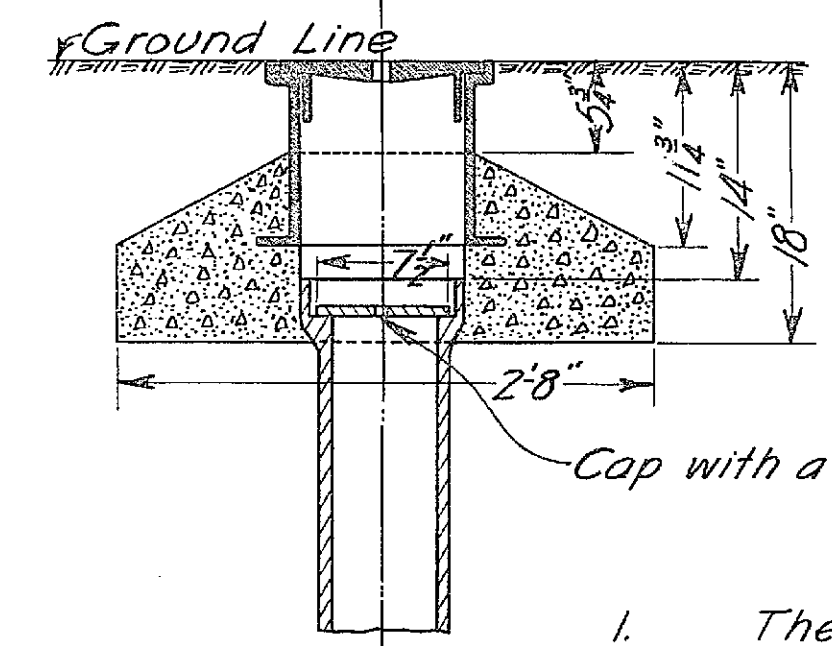


PLAN
DROP MANHOLE
Scale 1"=1'

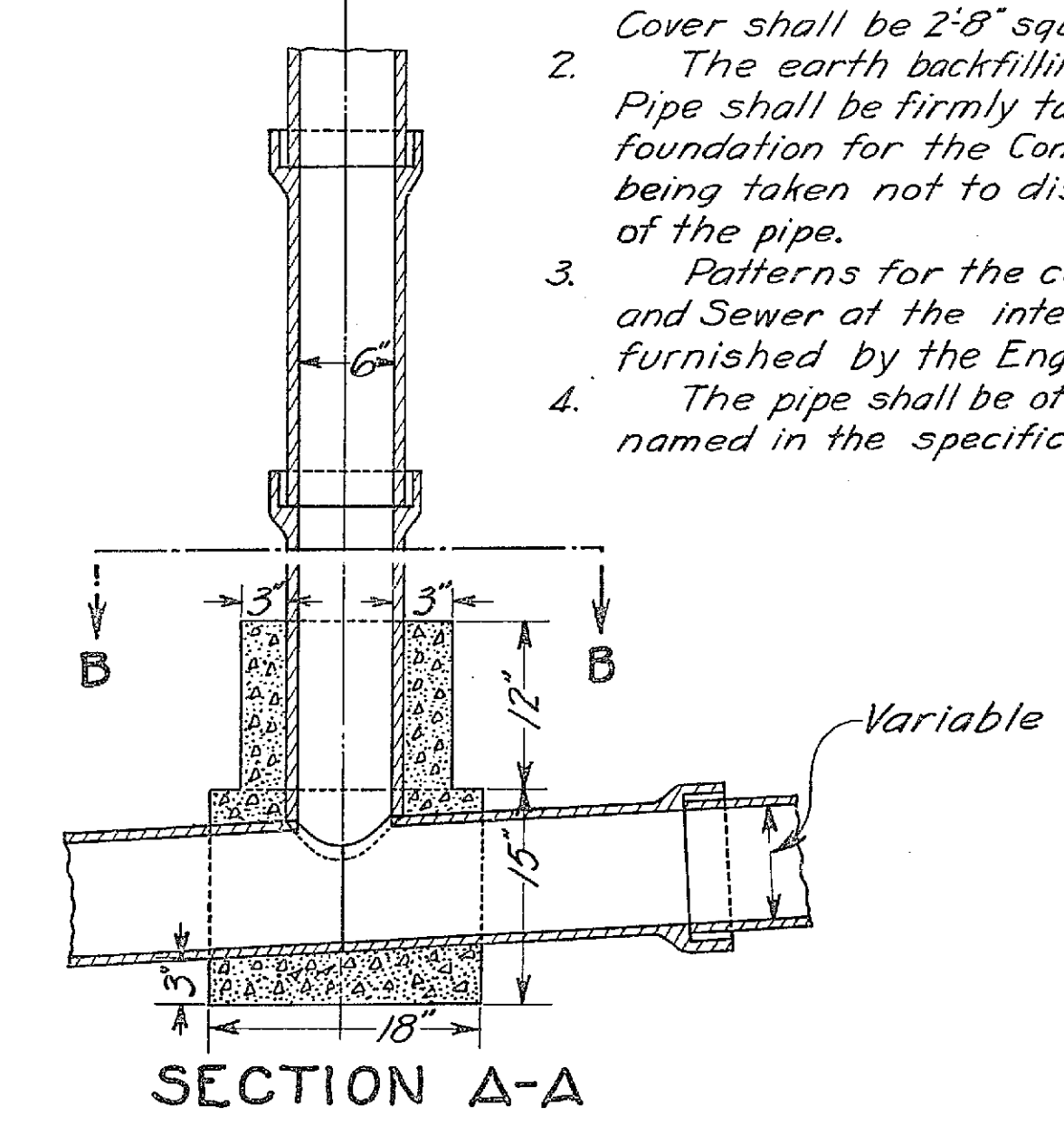
- ### MANHOLE NOTES
1. Where the depth of the Sewer Invert below the surface of the ground exceeds 22', the Walls of the Manhole below this depth shall be 12" brickwork, the inner surface of which shall be built as shown hereon; the Concrete Base of the Manhole to be enlarged to form a footing for the outside course of the 12" brickwork.
 2. Use Standard Type 'A' Manhole Frame and Cover.
 3. For Sewers exceeding 12" diameter, turn 8" arch over pipe.
 4. For Sewers of 12" diameter or less, turn 4" arch over pipe.
 5. The lowest Manhole Step shall be placed not less than 16" nor more than 24" above the shelf of the Manhole.
 6. The upper Step shall be not more than 16" below the Frame of the Manhole Cover, and shall project not more than 3" inside the Manhole.
 7. An additional Step shall be placed diametrically opposite and level with the Step which is nearest to three feet below the Inlet to Drop.
 8. When two or more Drop Inlets are required, each Inlet shall be built as shown hereon for single Drop Inlet.
 9. Depth of the Channel formed by the Concrete Invert shall be 3/4 the diameter of the Sewers.
 10. The Shelf shall have a fall of 2" from edge of Manhole on lateral centerline to edge of Channel.
 11. The Channels shall be finished as specified by the Engineer.
 12. The pipe shall be of such material as named in the specifications.
 13. The diameter of the Drop Pipe shall be 6" for Inlet Sewers of 6" and 8" for Inlet Sewers of more than 6".
 14. Manhole Steps shall be of 3/4" round iron bars coated with asphaltum paint.



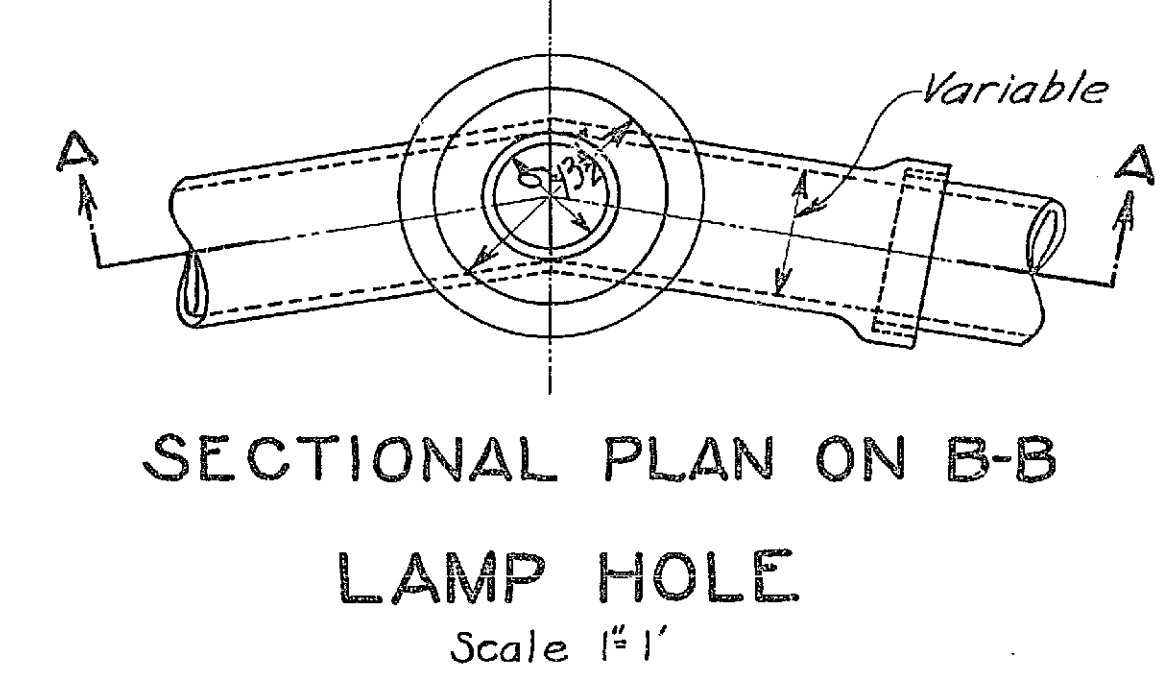
SECTION ON CTR. OF FRAME
Weight 74 lbs.



- ### NOTES
1. The Concrete Footing for the Frame and Cover shall be 2'-8" square.
 2. The earth backfilling around the Chimney Pipe shall be firmly tamped, to give a good foundation for the Concrete Footing, care being taken not to disturb the alignment of the pipe.
 3. Patterns for the cutting of Chimney and Sewer at the intersection will be furnished by the Engineer.
 4. The pipe shall be of such material as named in the specifications.

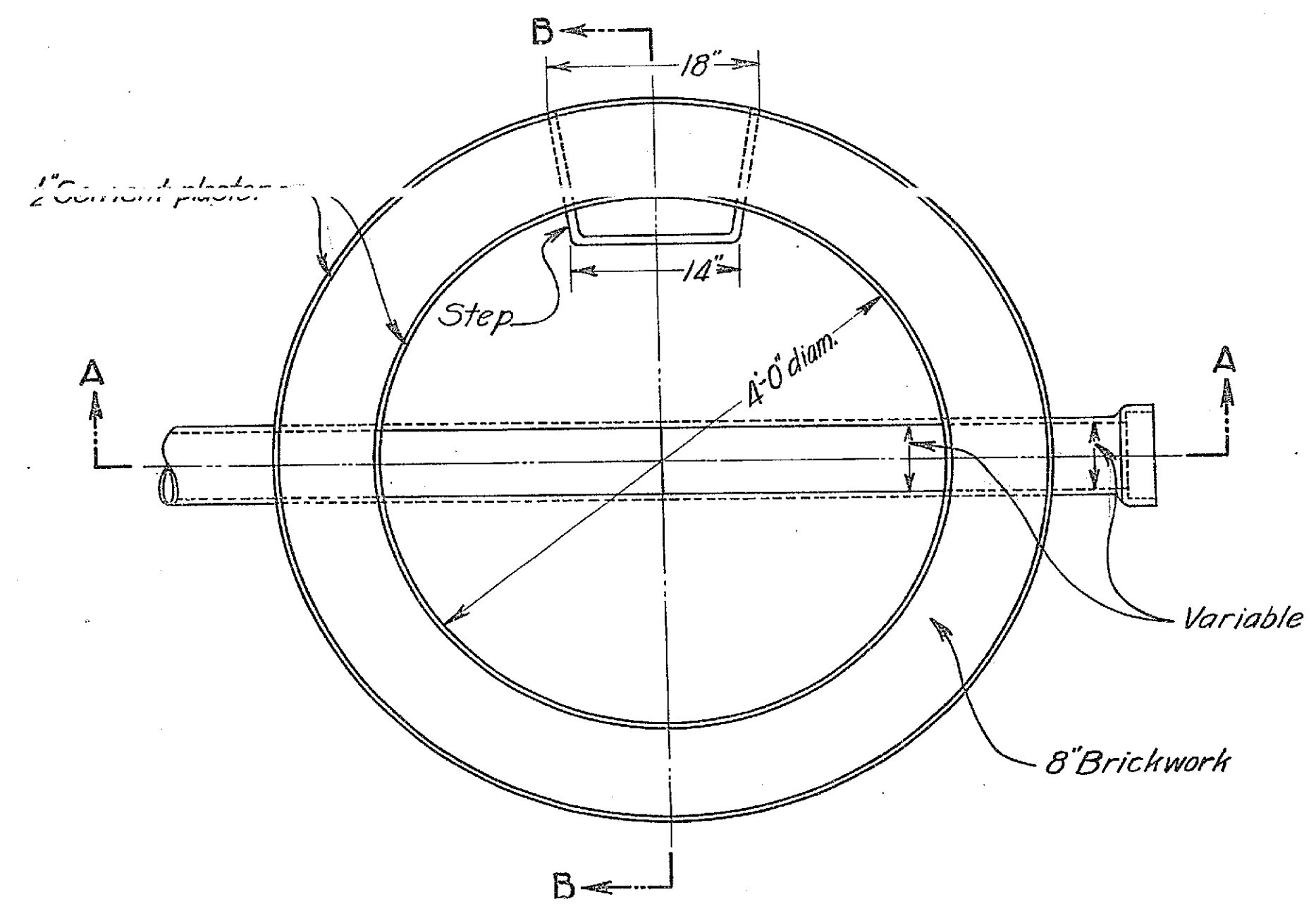
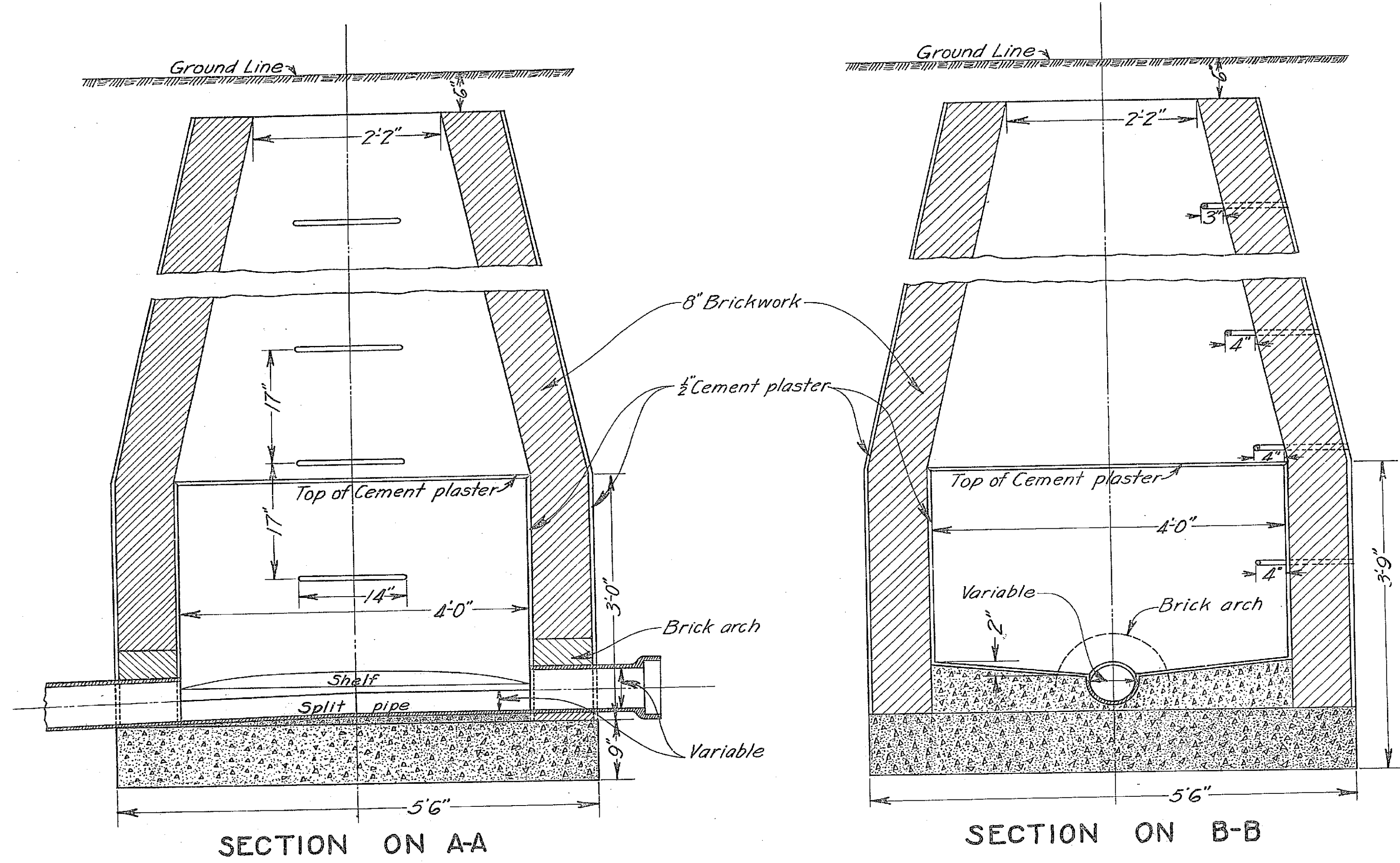


SECTION A-A



SECTIONAL PLAN ON B-B
LAMP HOLE
Scale 1"=1'

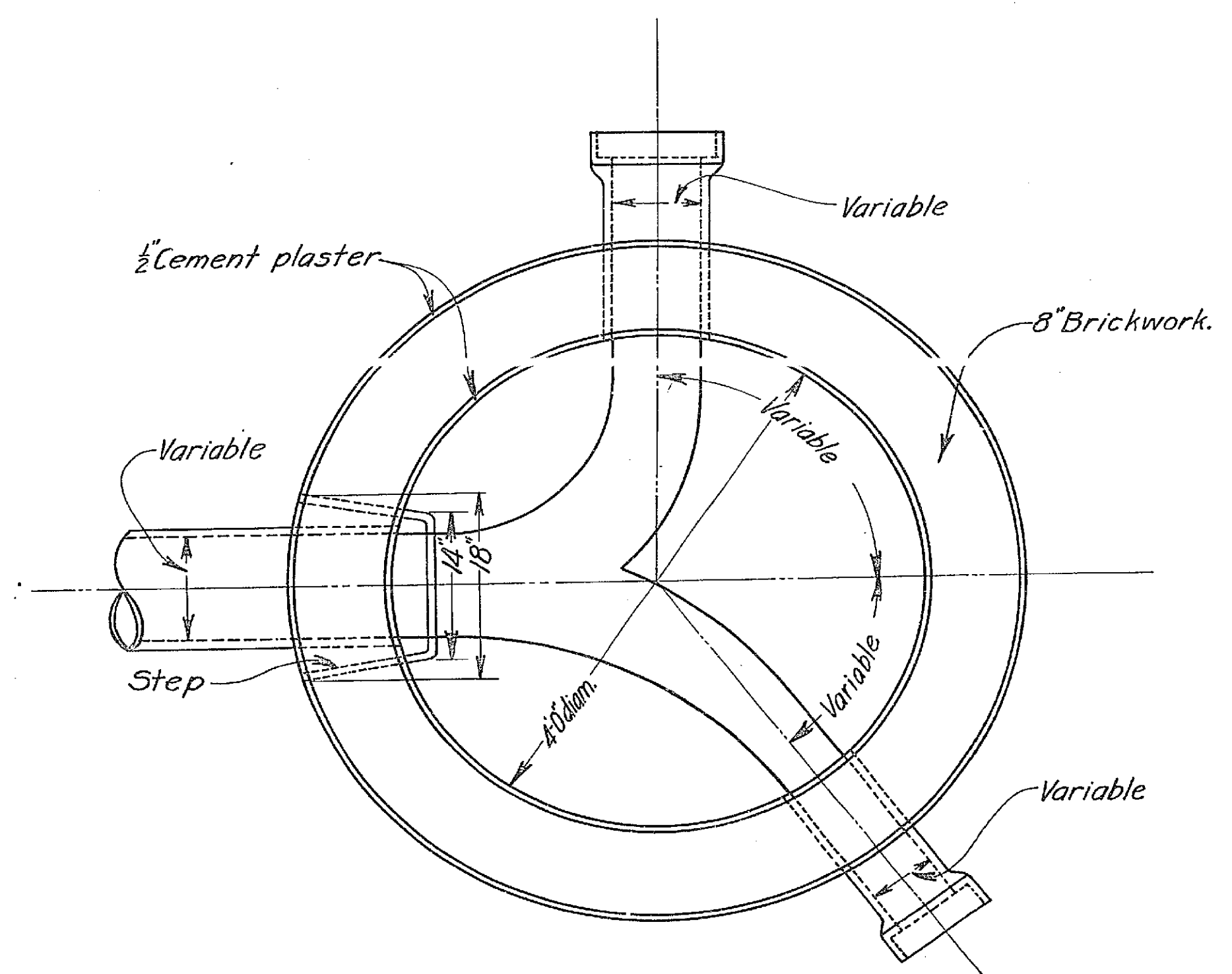
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PLAN OF TWO WAY MANHOLE

- NOTES**
1. Use Standard Type A Manhole head casting.
 2. Where depth of the Sewer invert below the surface of the ground exceeds 22 feet, the walls of the Manhole below this depth shall be 12" brickwork, the inner surface of which shall be built as shown hereon; the concrete base of the Manhole to be enlarged to form a footing for the outside course of the 12" brickwork.
 3. For Sewers exceeding 12" diameter, turn 8" arch over pipe.
 4. For Sewers of 12" or less diameter, turn 4" arch over pipe.
 5. The lowest Manhole step shall be placed not less than 16" nor more than 24" above the shelf in the inside bottom of the Manhole.
 6. The upper step shall be not more than 16" below the bottom of the frame of the Manhole cover, and shall project not more than 3" inside the Manhole.
 7. Depth of the channel formed by the invert shall be 3/8" of the diameter of the Sewer.
 8. The channel of Two Way Manholes shall be formed by two 2" sections of split pipe and cement plastered concrete as shown.
 9. Where a pipe size change occurs at Two Way Manholes, the larger size shall extend through the interior of the Manhole.
 10. Grade changes, as shown by profile, shall be made on center line of Manhole as shown hereon.
 11. At Junction Manholes the transition from small to larger pipes shall be made as shown below.
 12. The channels of Junction Manholes shall be finished as may be specified by the Engineer.
 13. The pipe shown hereon shall be of such material as named in the specifications.
 14. Manhole Steps shall be of 3/4" round iron bars coated with asphaltum paint.

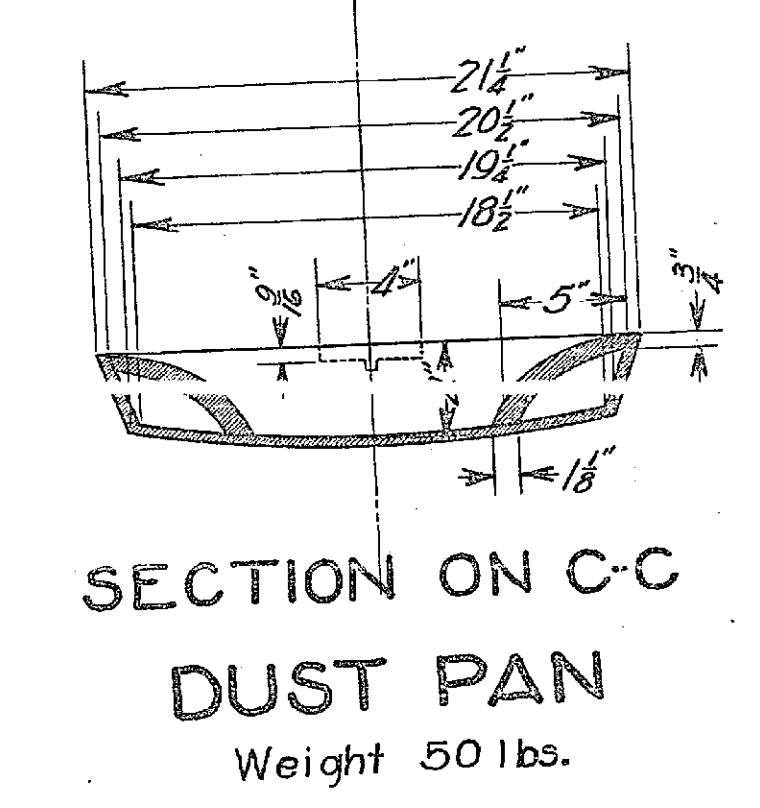
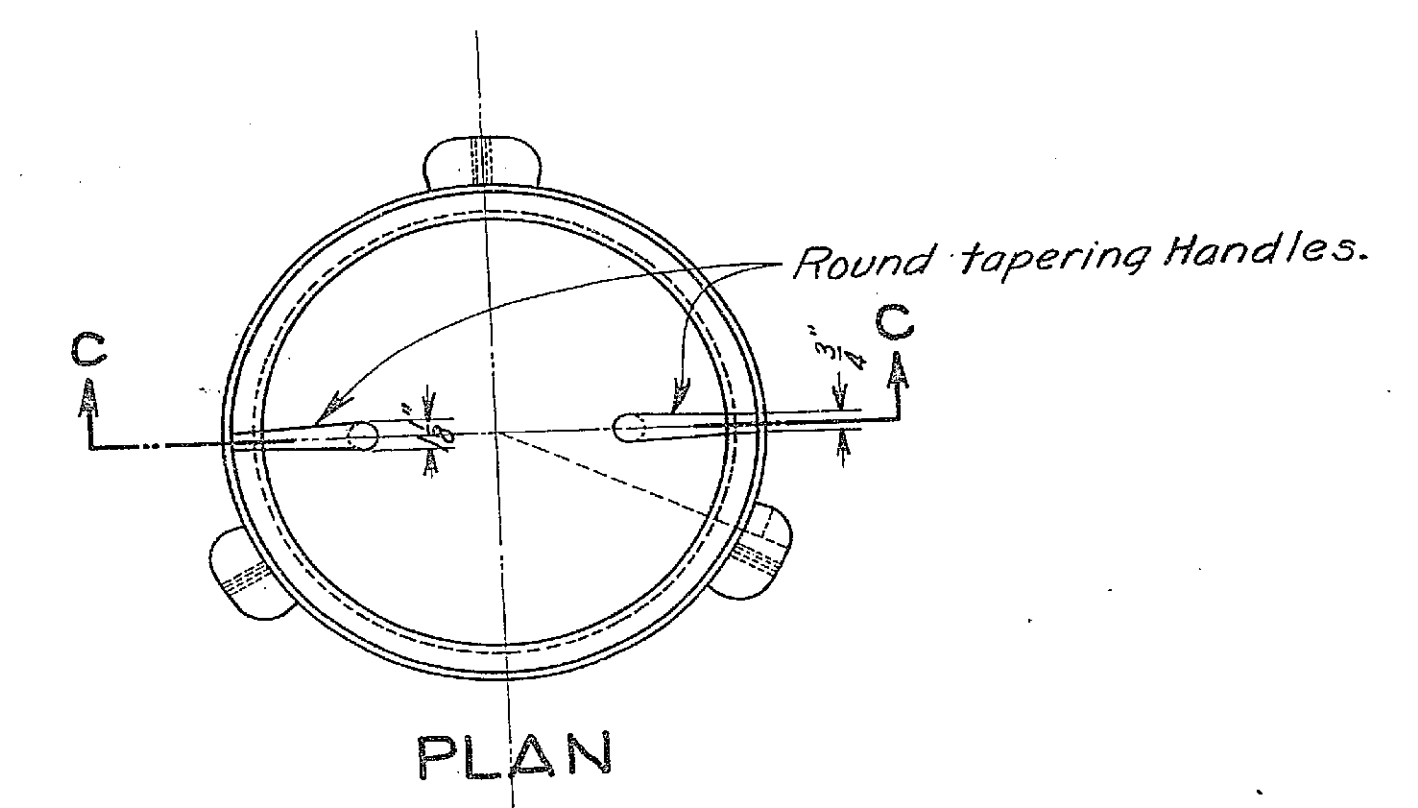
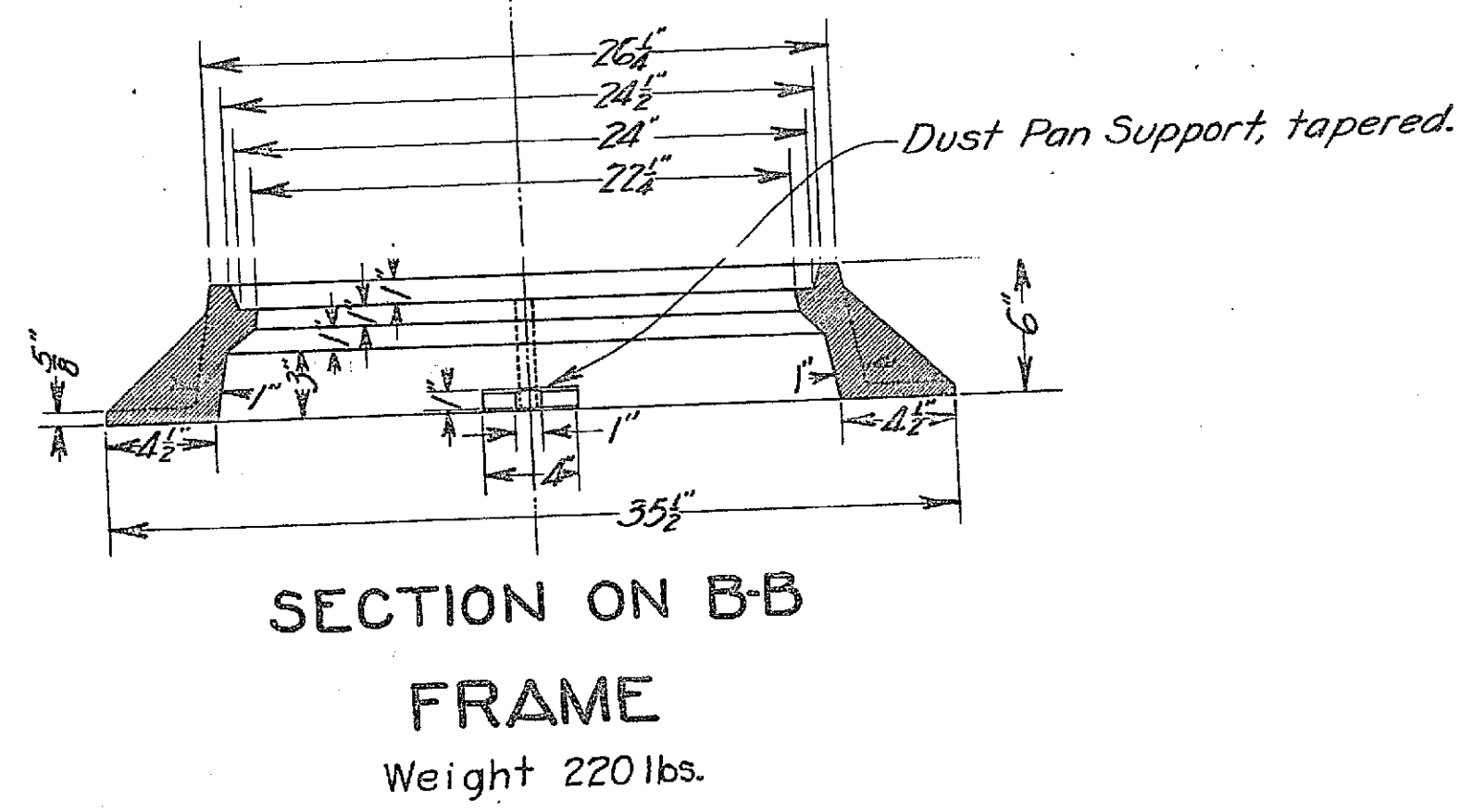
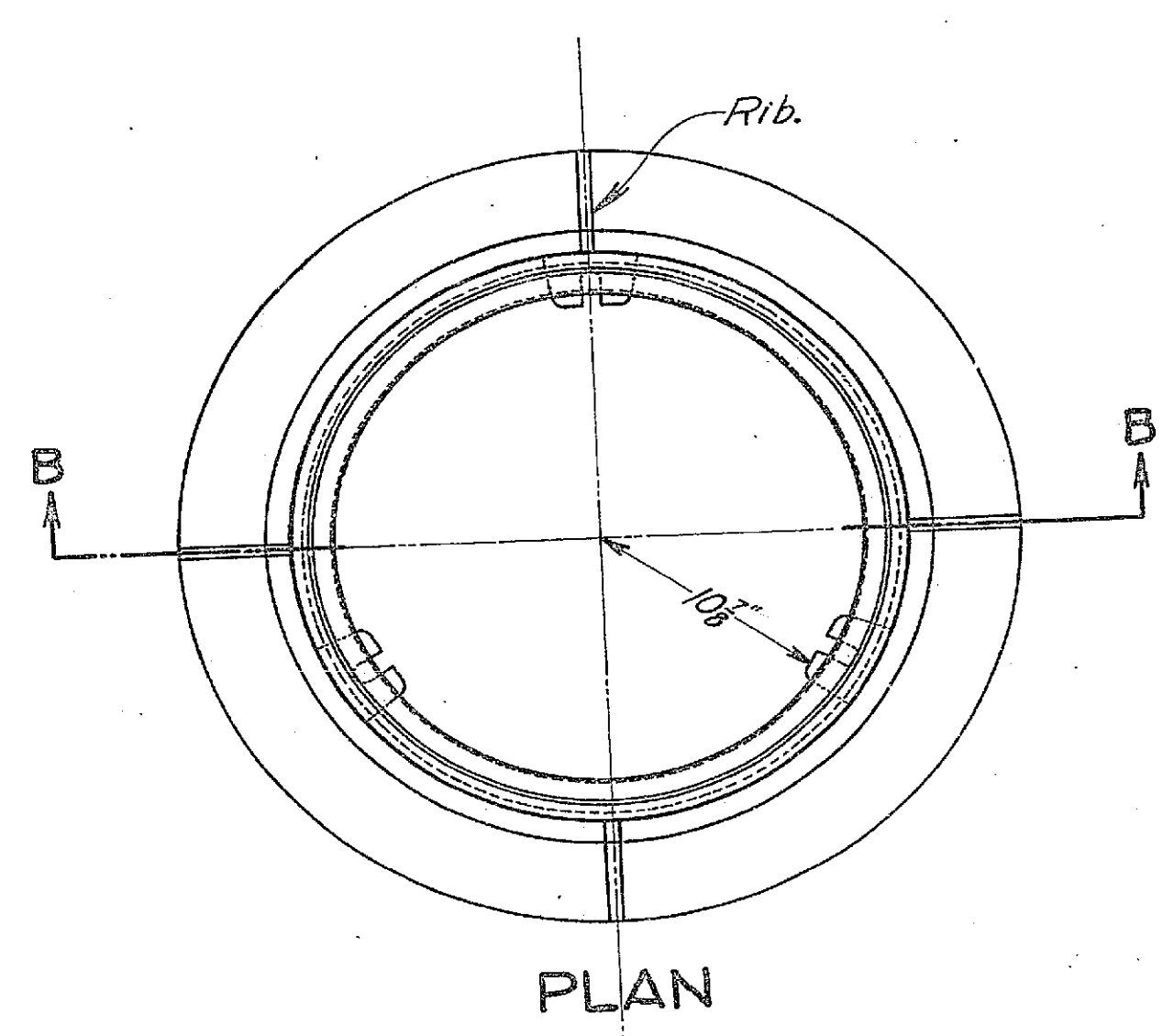
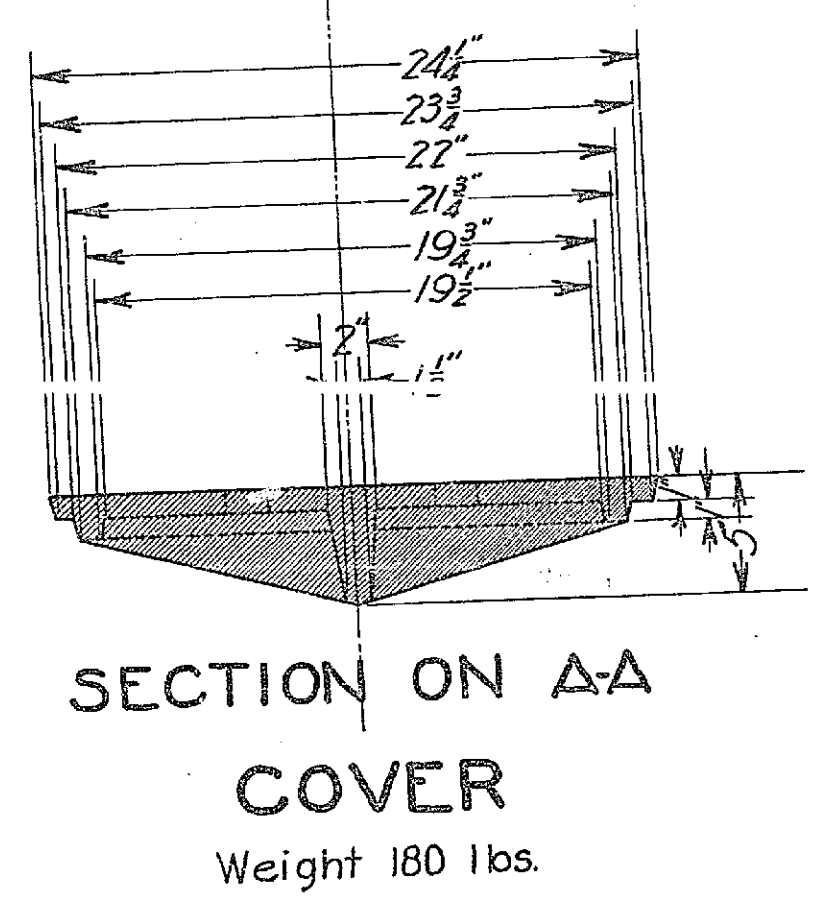
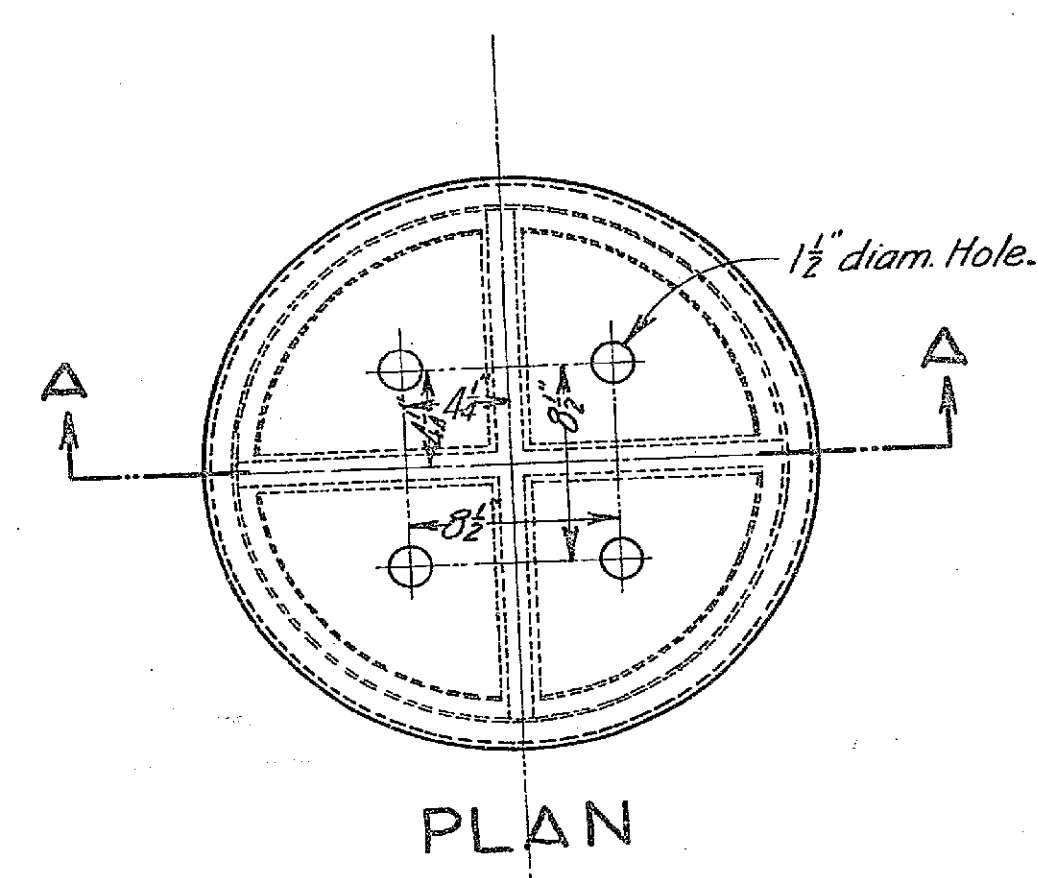
MANHOLE DETAILS
SCALE 1"=1'



PLAN OF JUNCTION MANHOLE

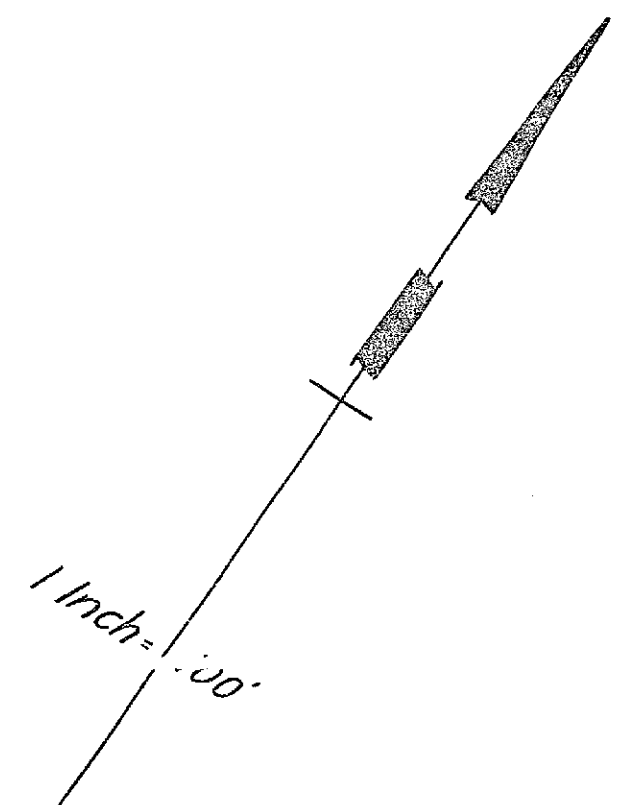
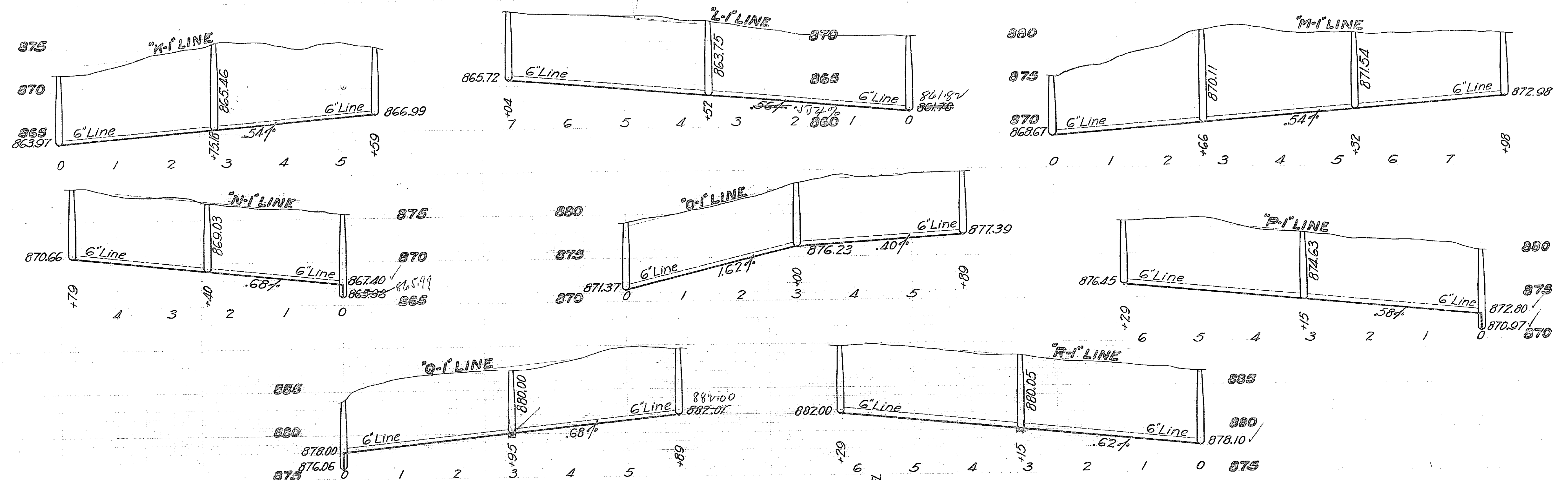
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A-1611

STANDARD TYPE "A"
 MANHOLE FRAME AND COVER
 Scale 1 1/2"=1'

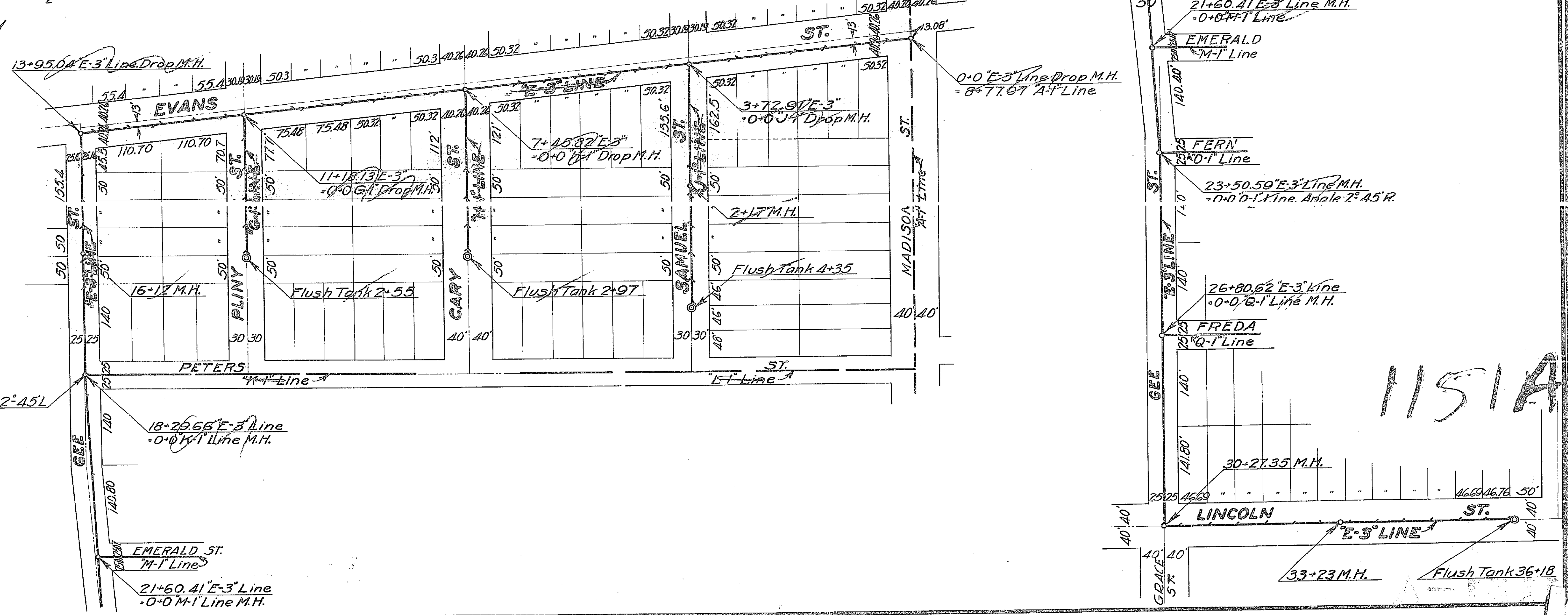
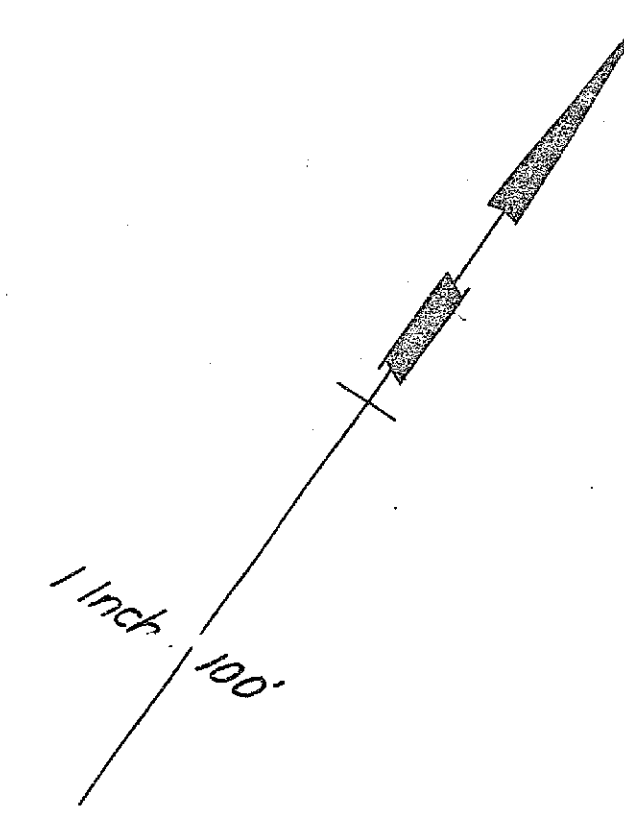
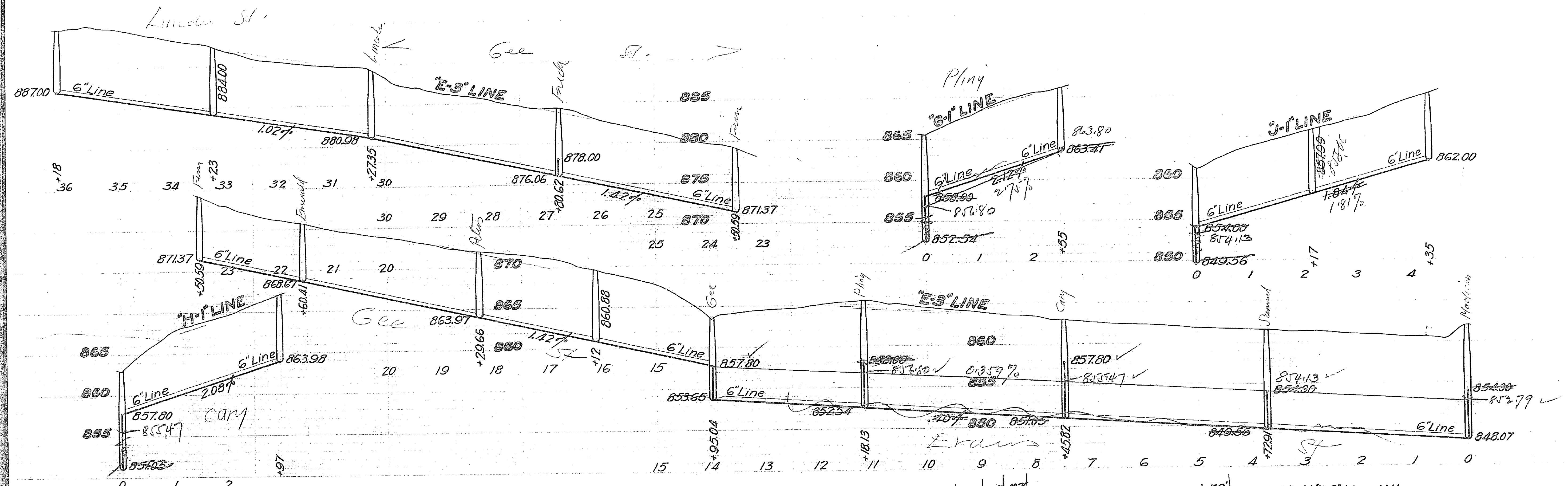


NOTE: See Standard Drawing #113.

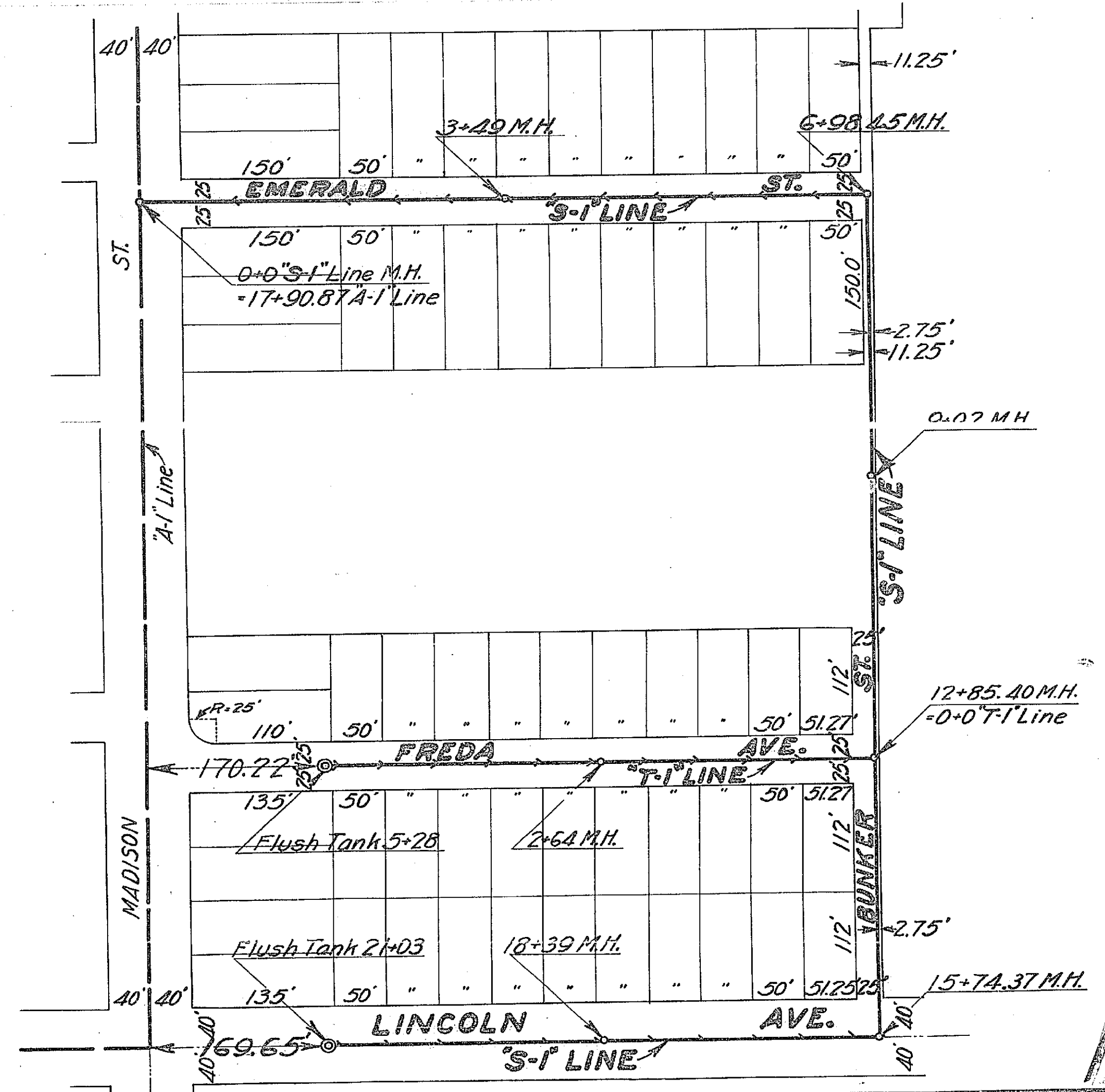
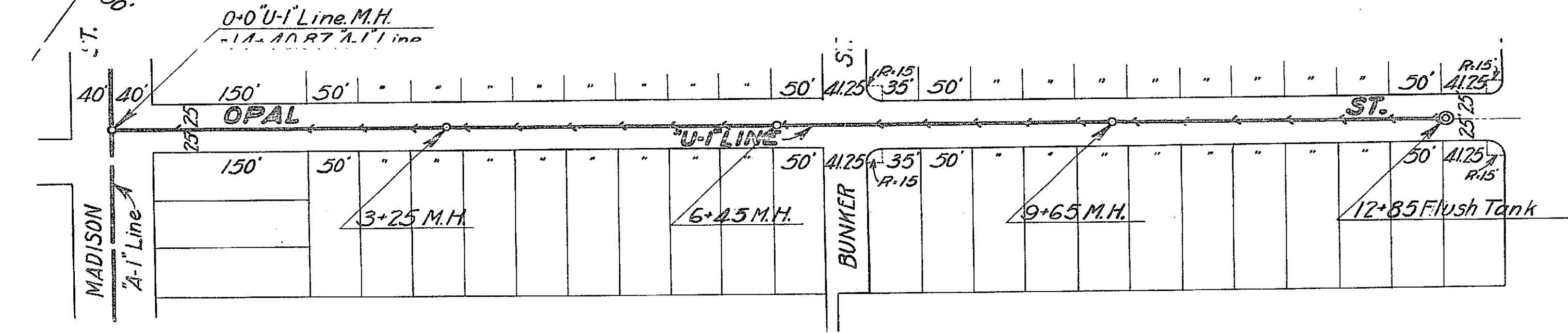
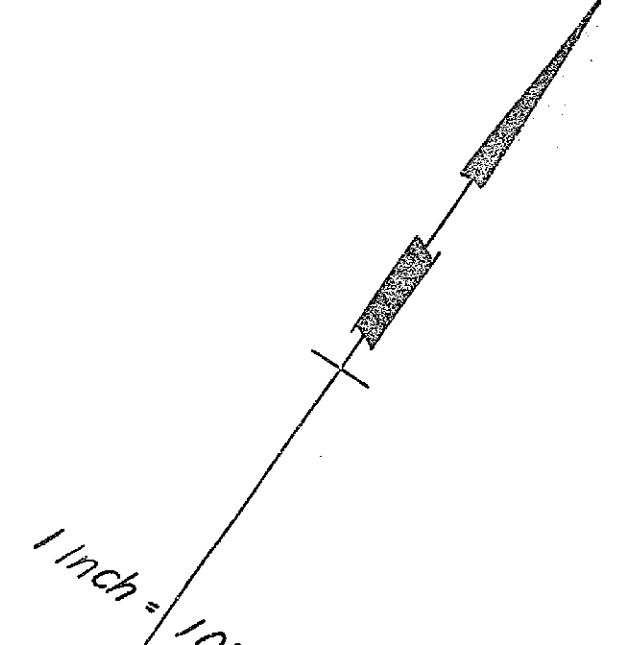
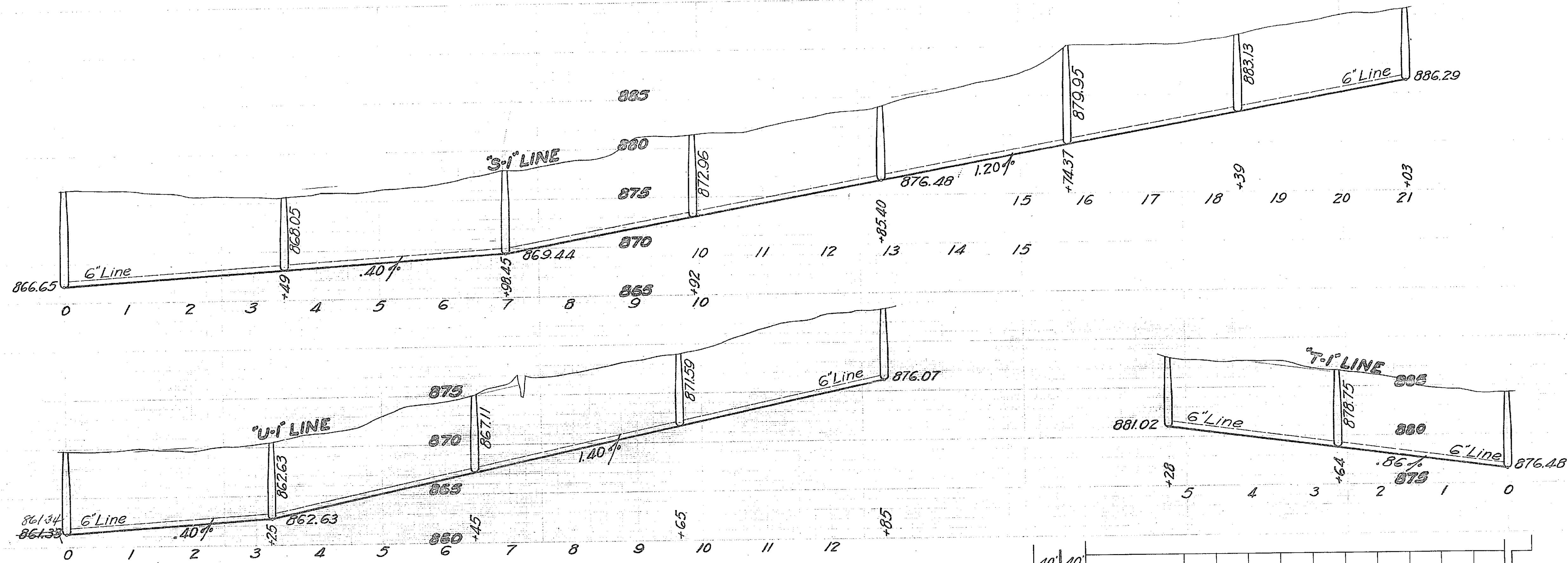
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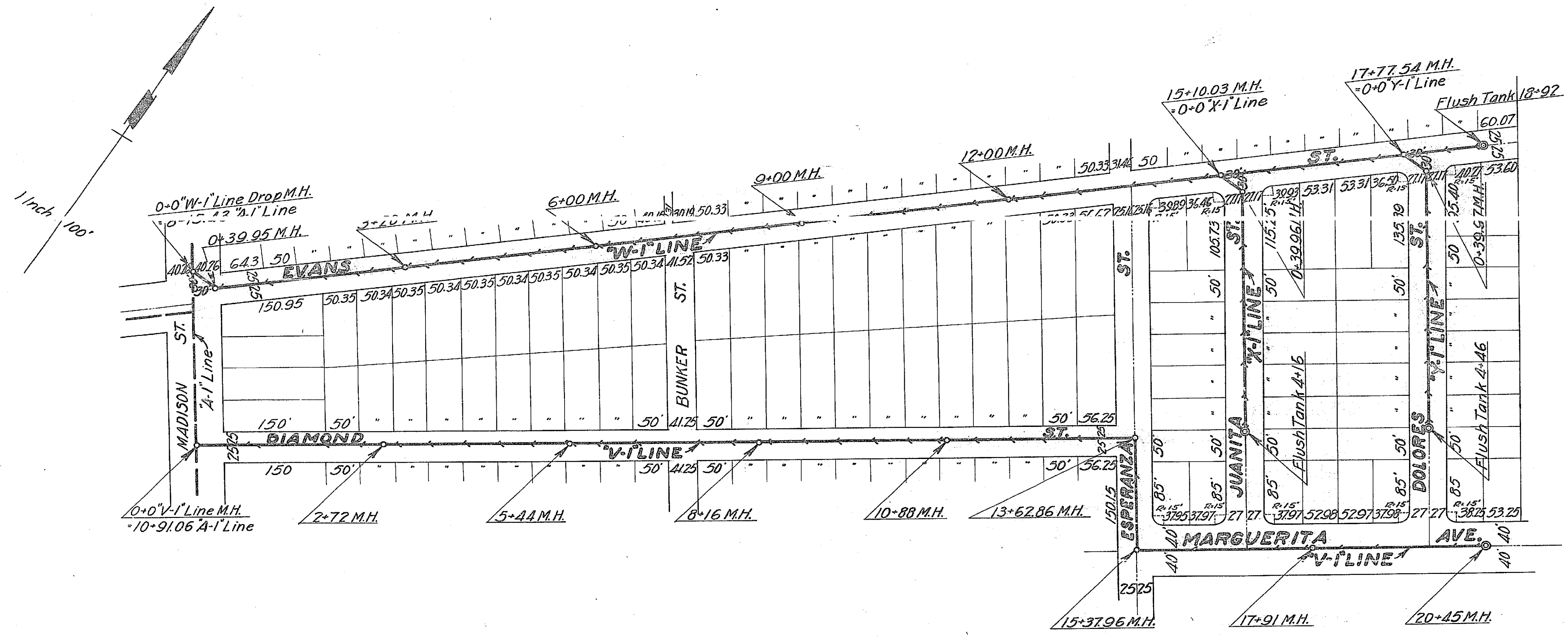
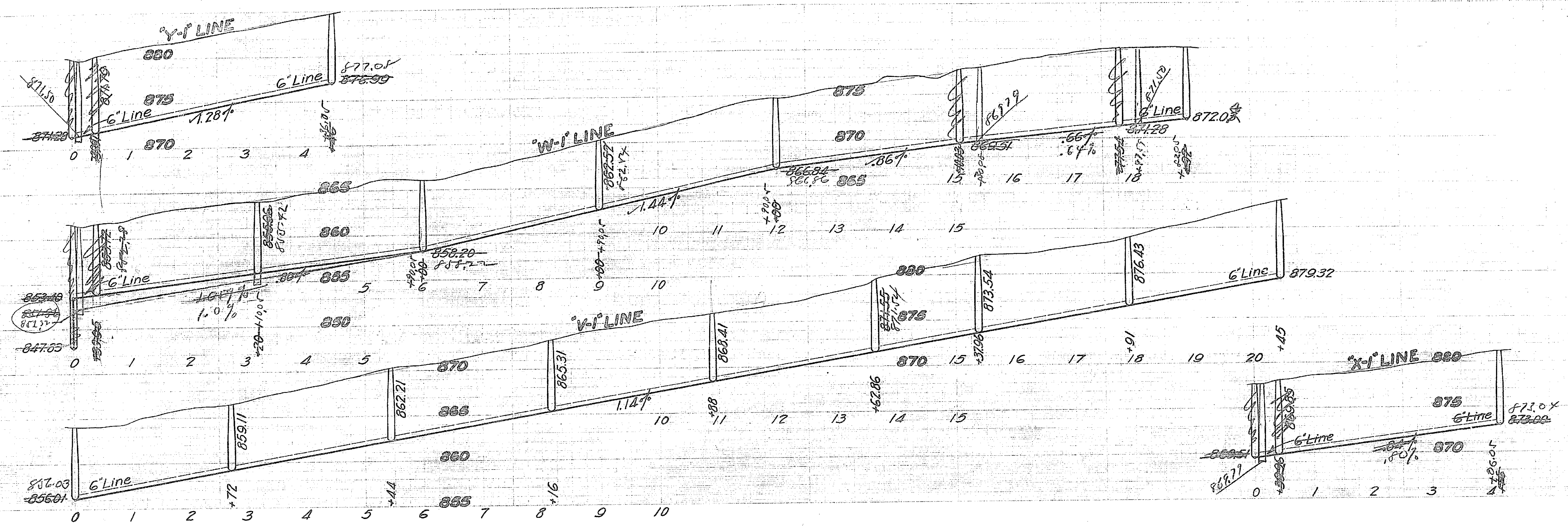


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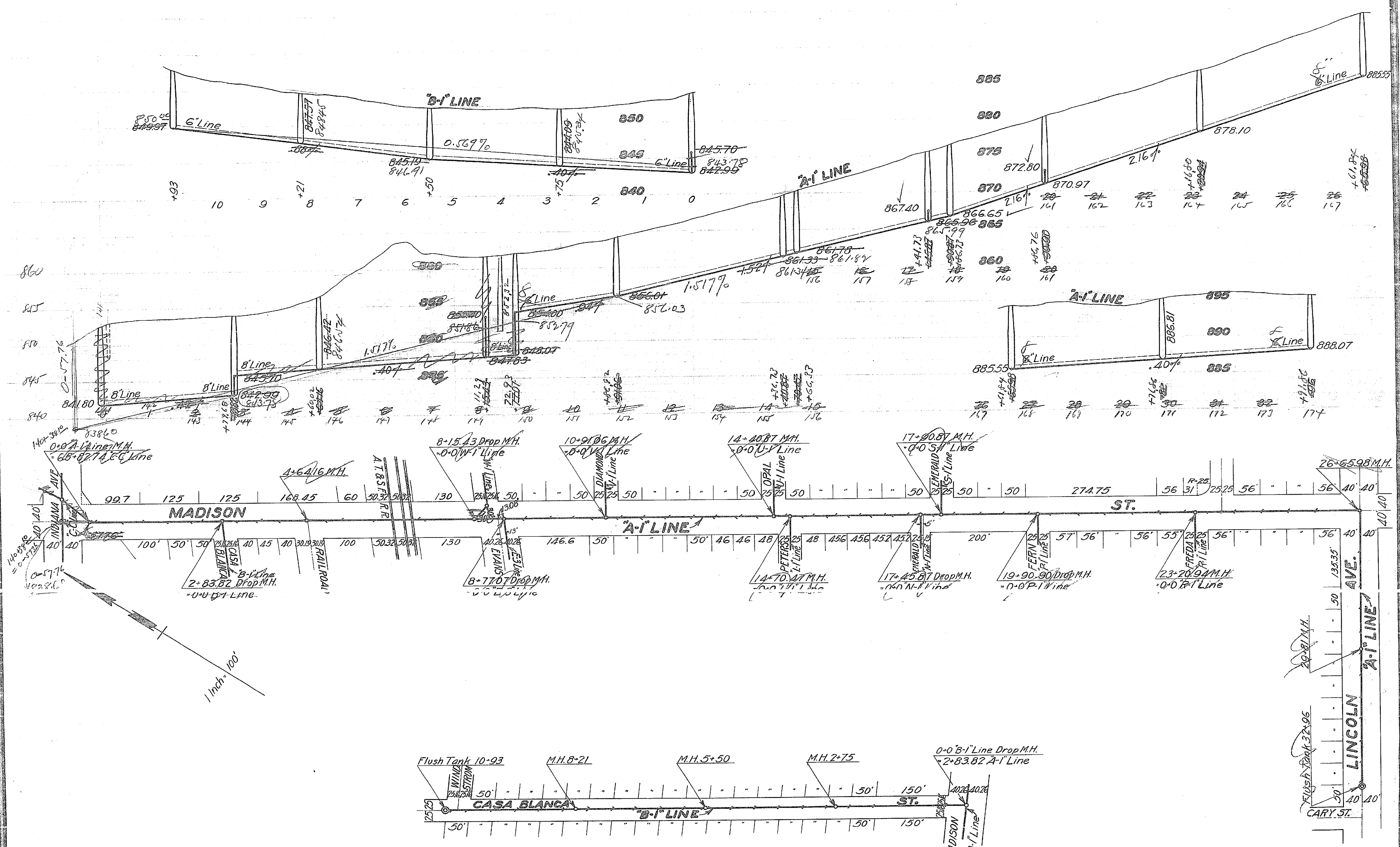


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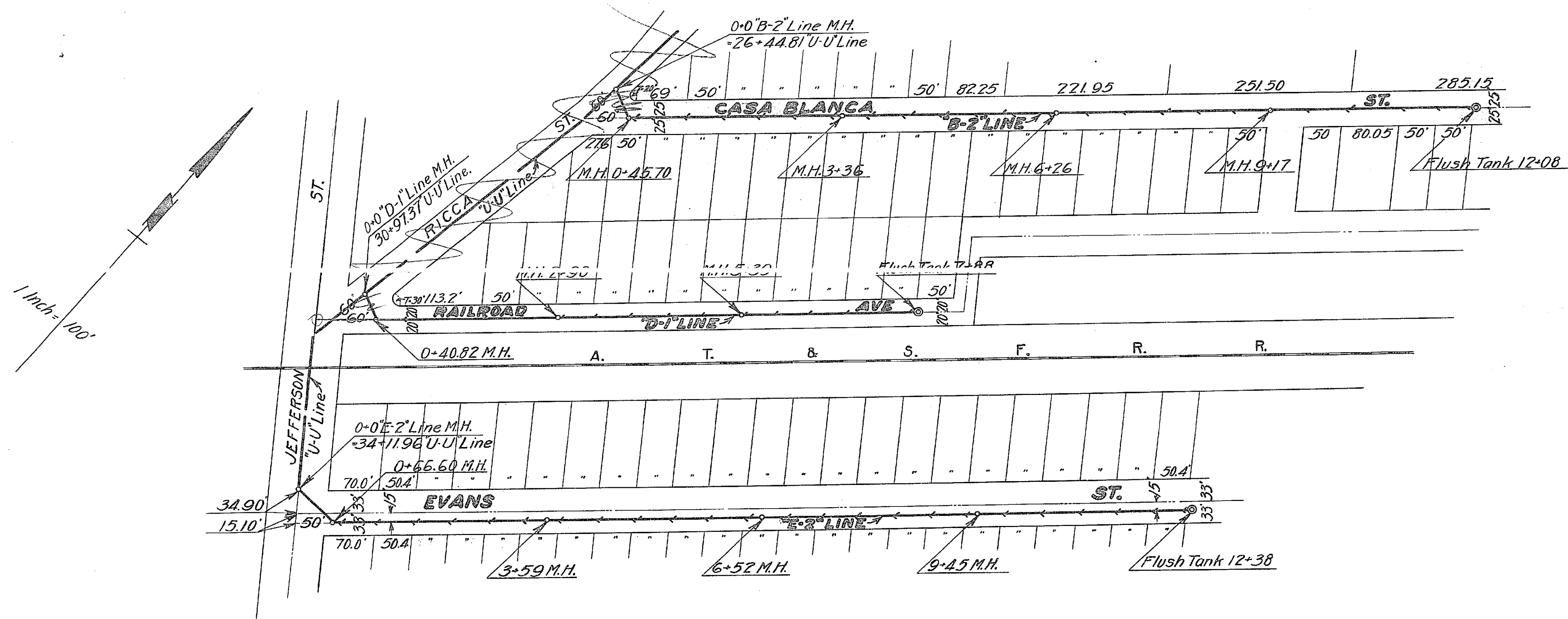
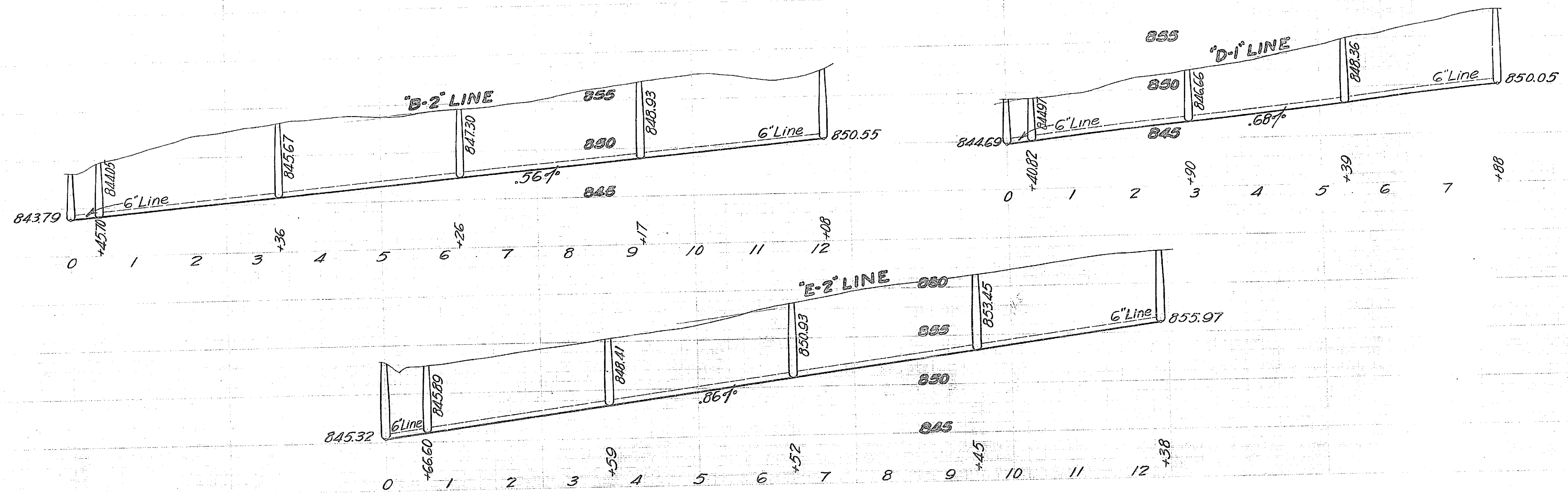
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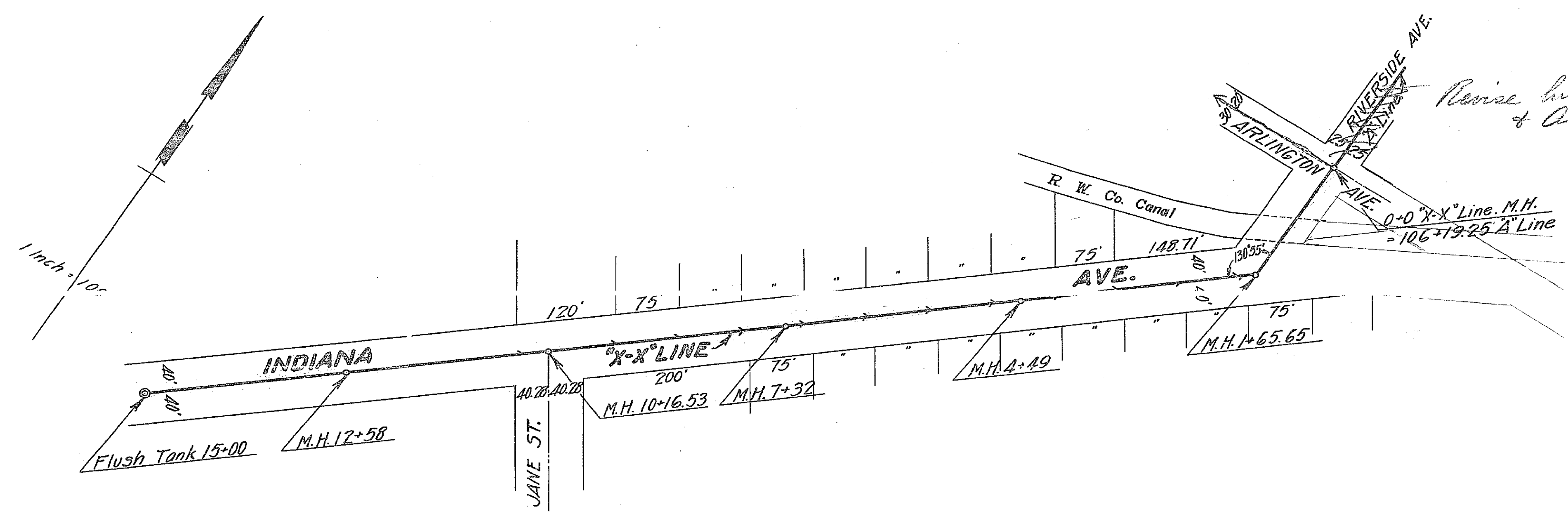
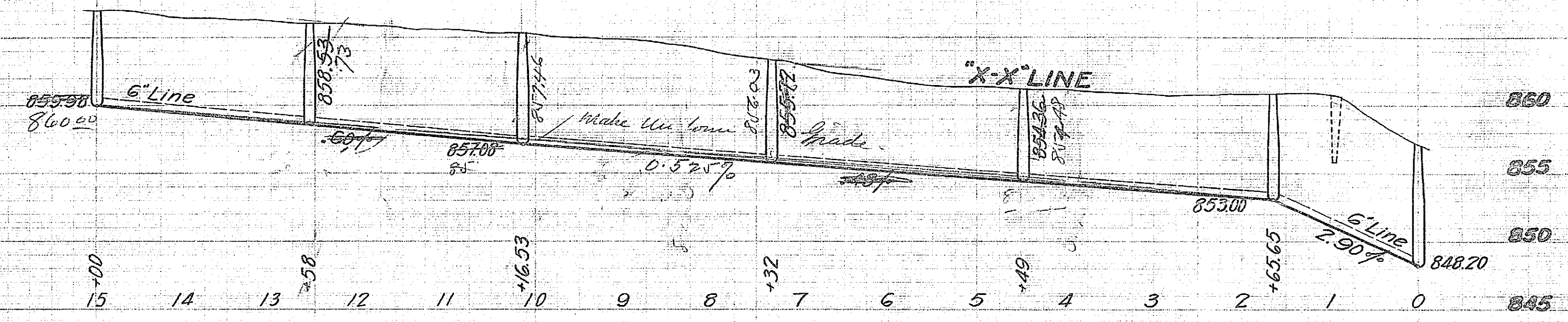
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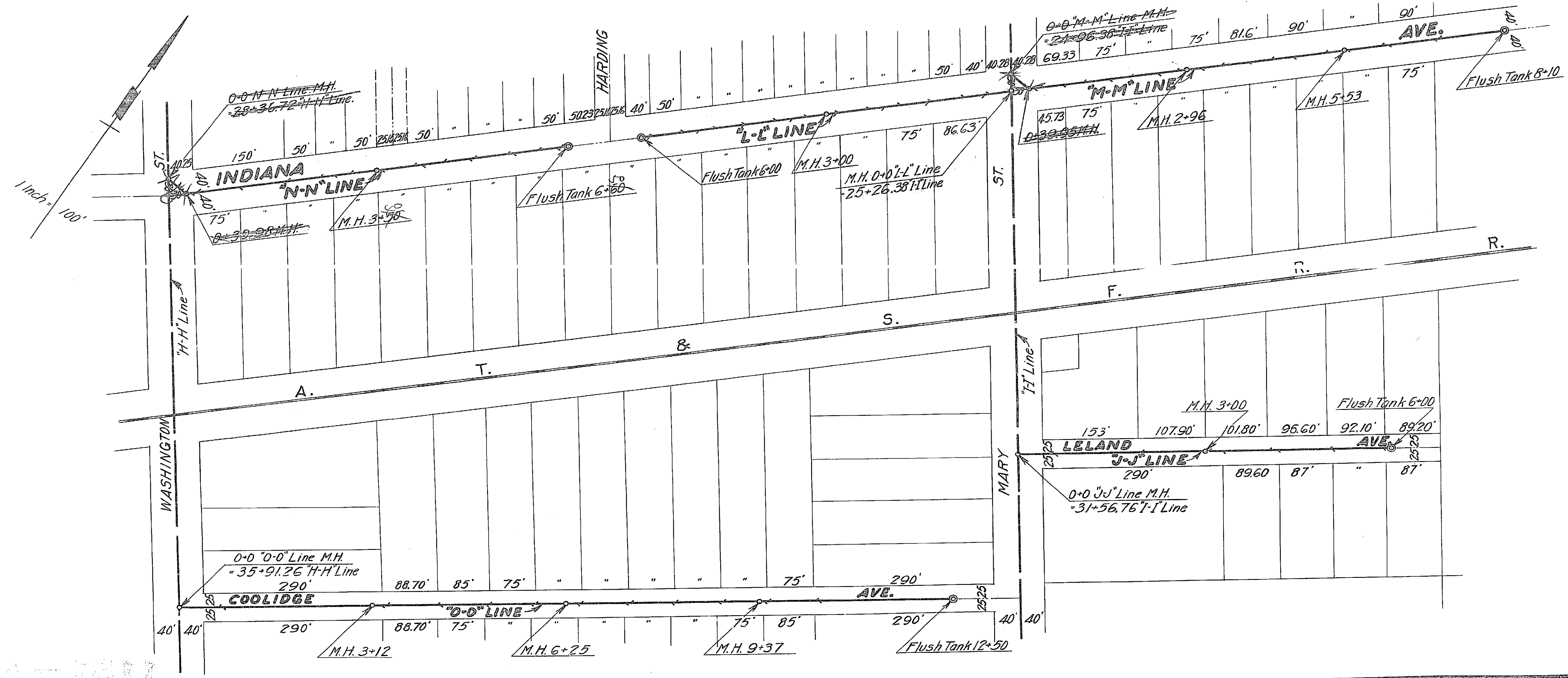
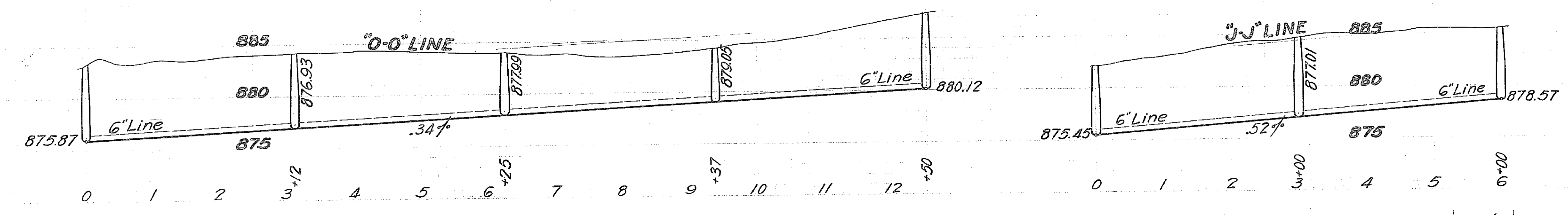
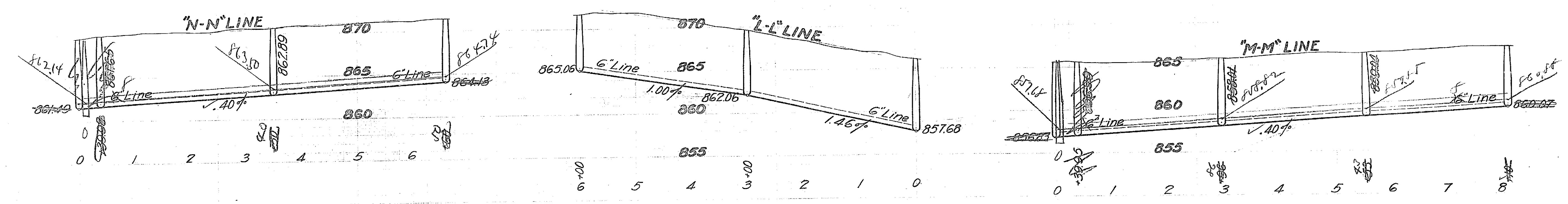


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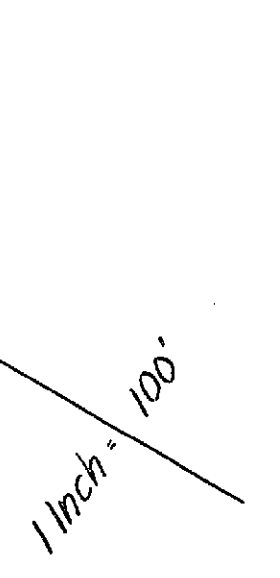
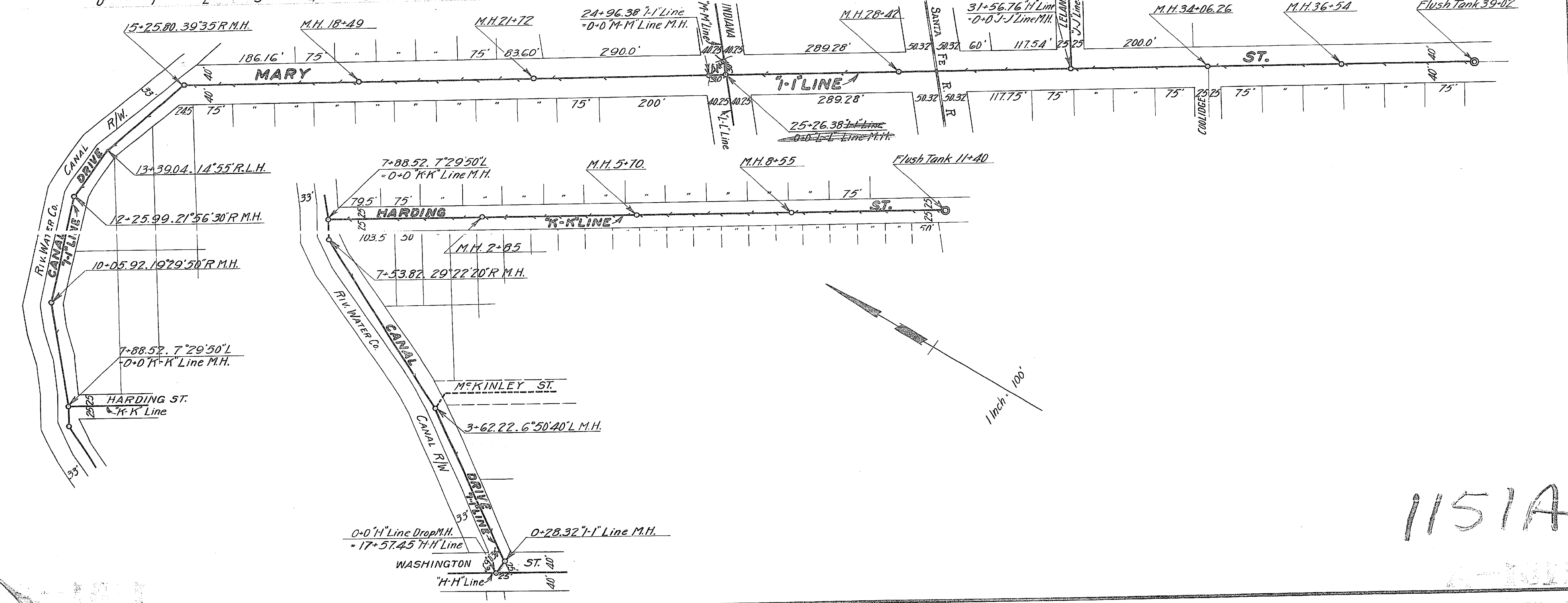
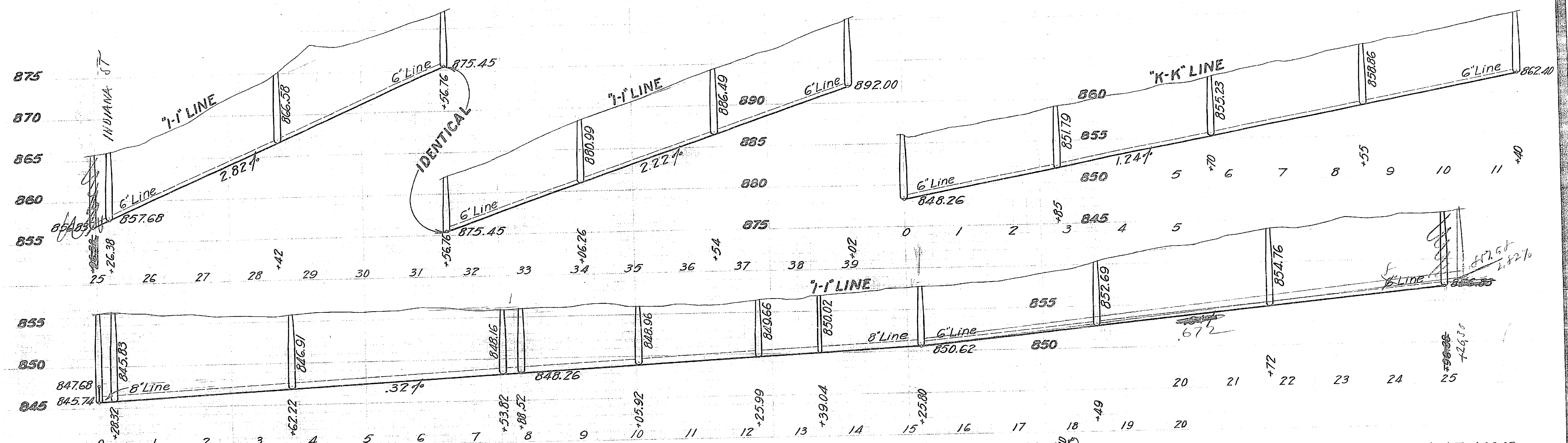


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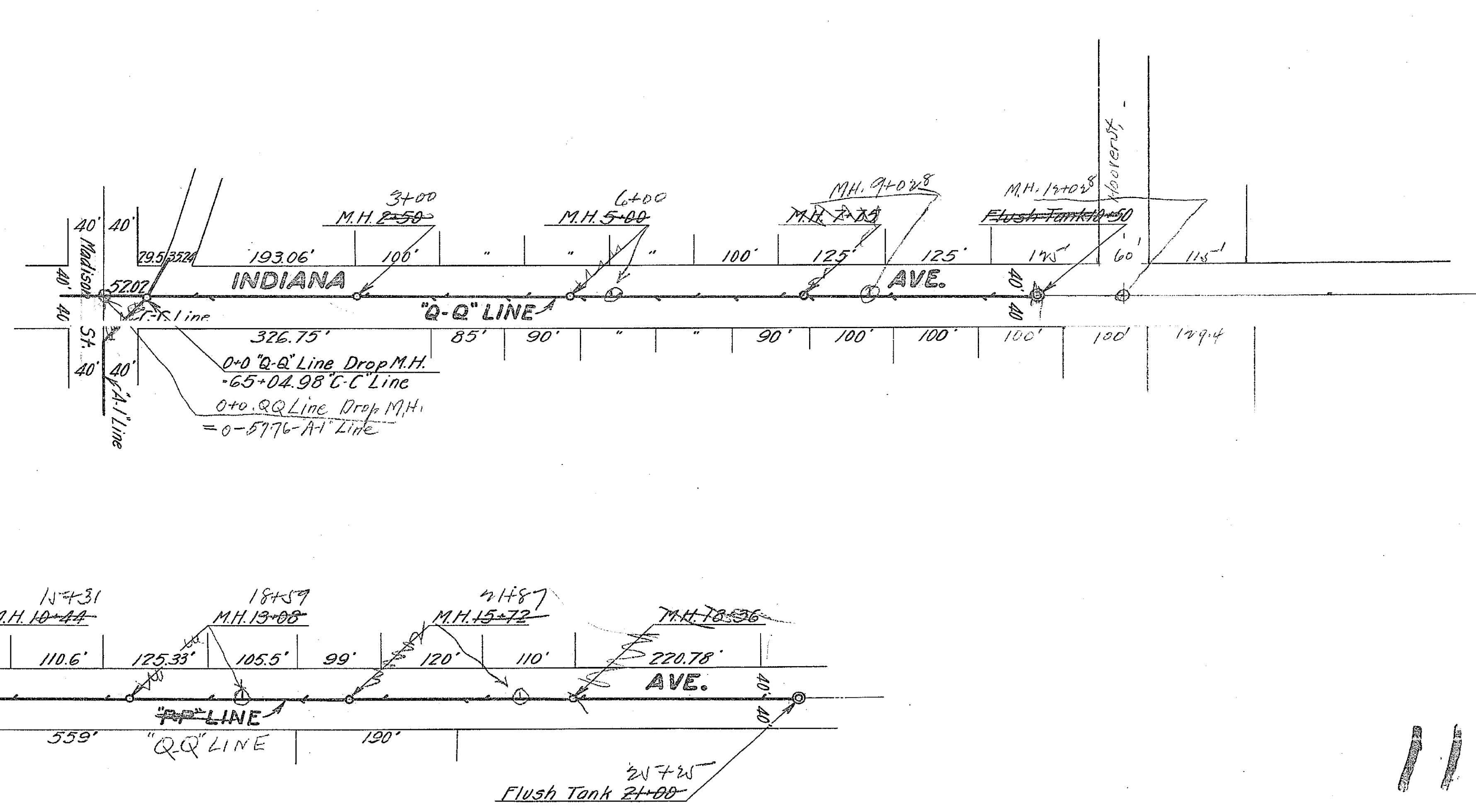
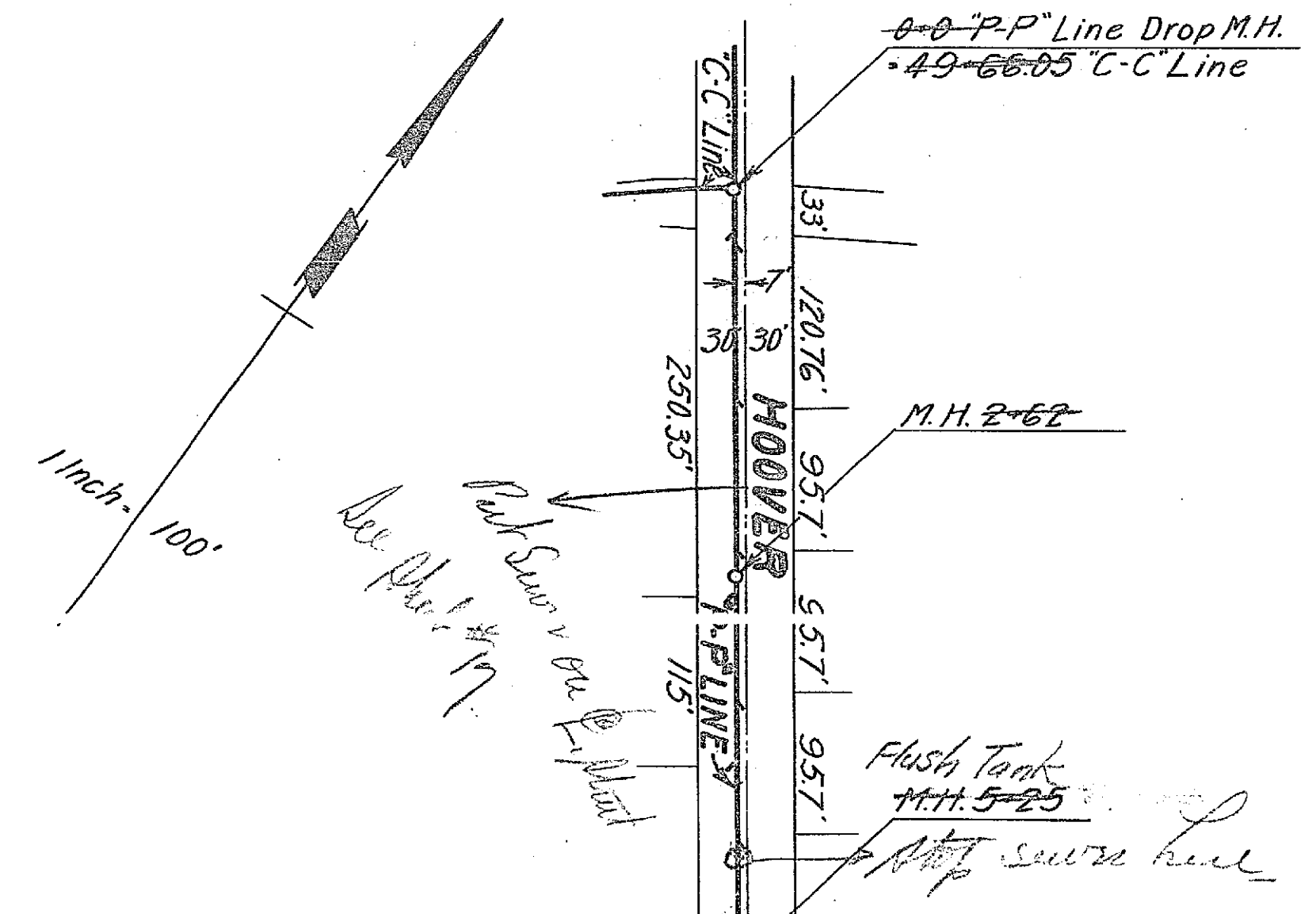
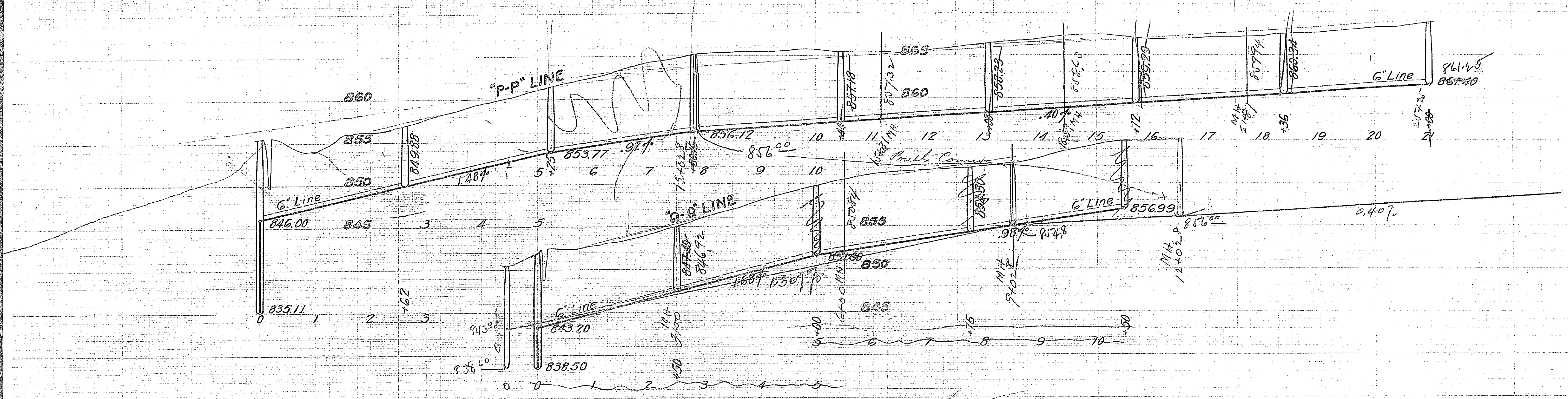


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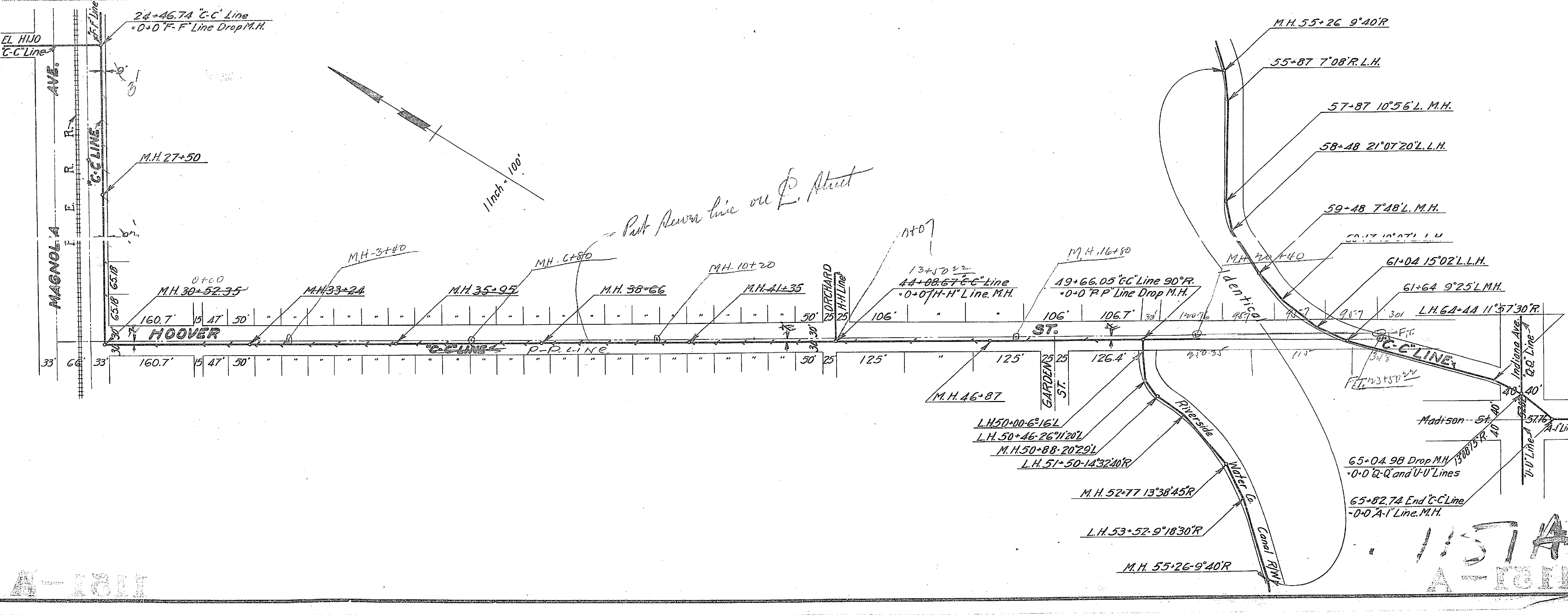
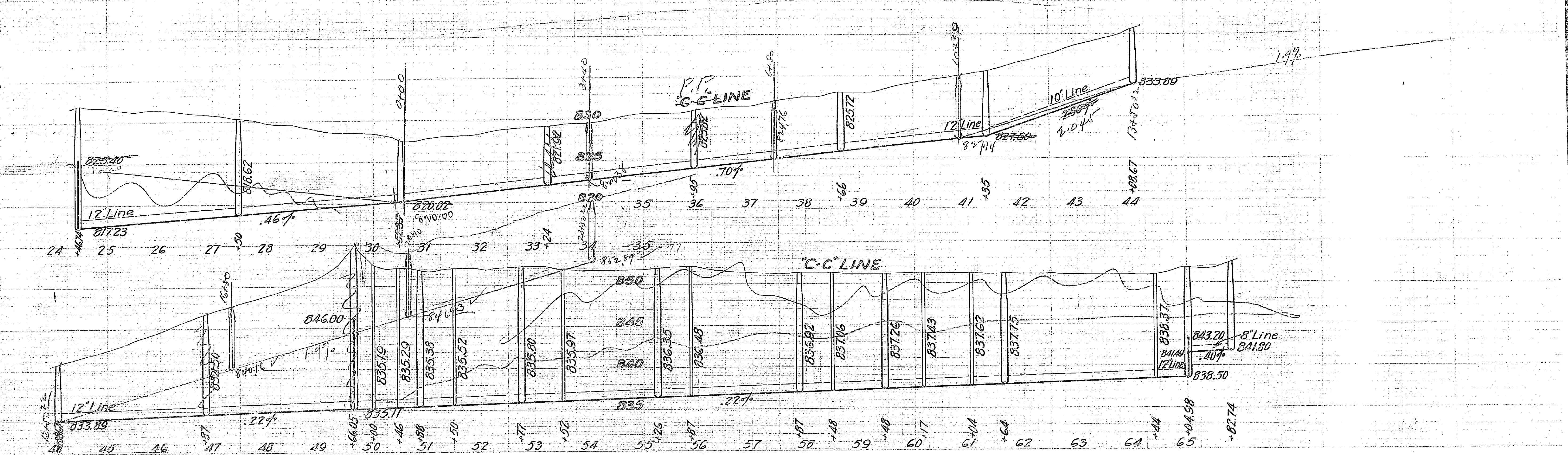
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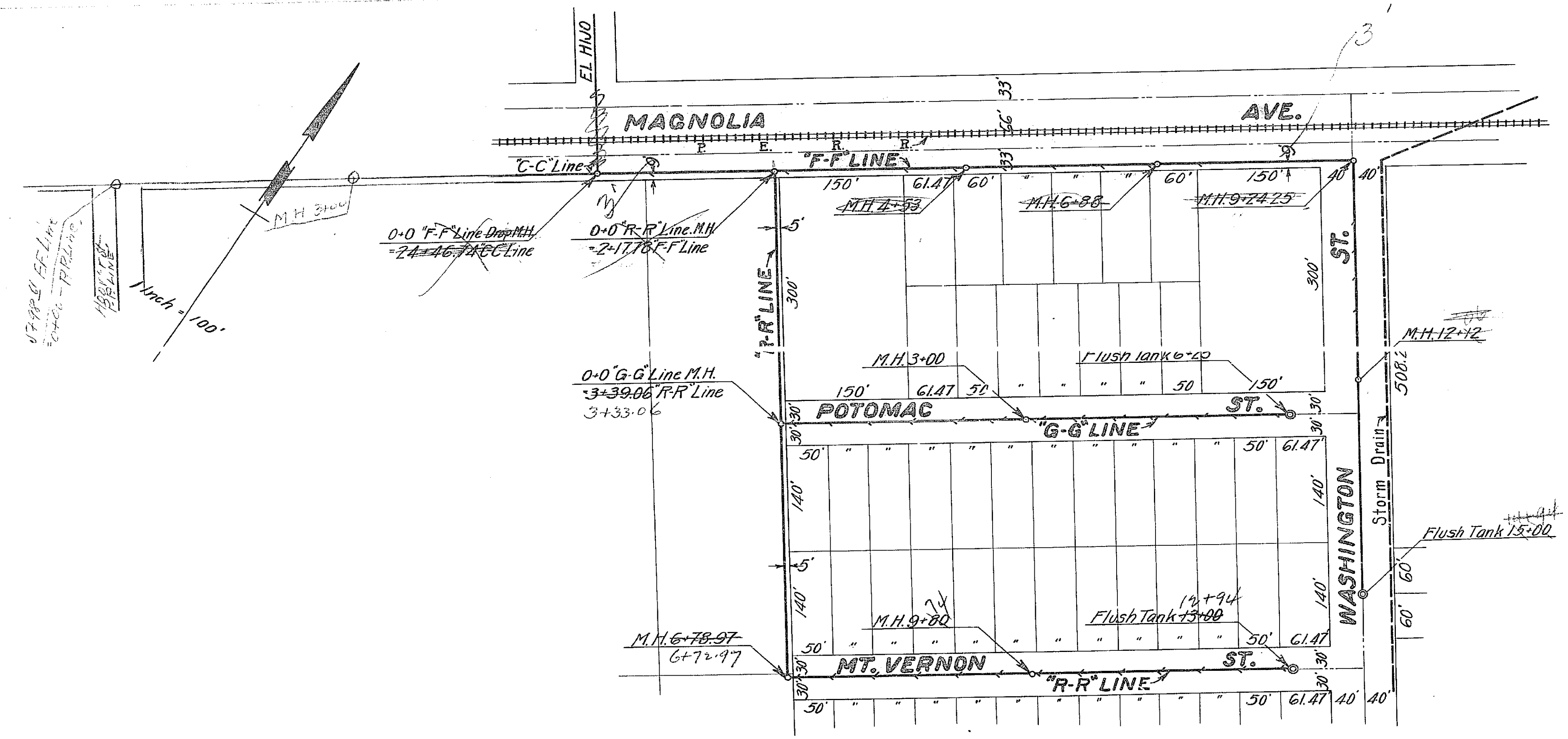
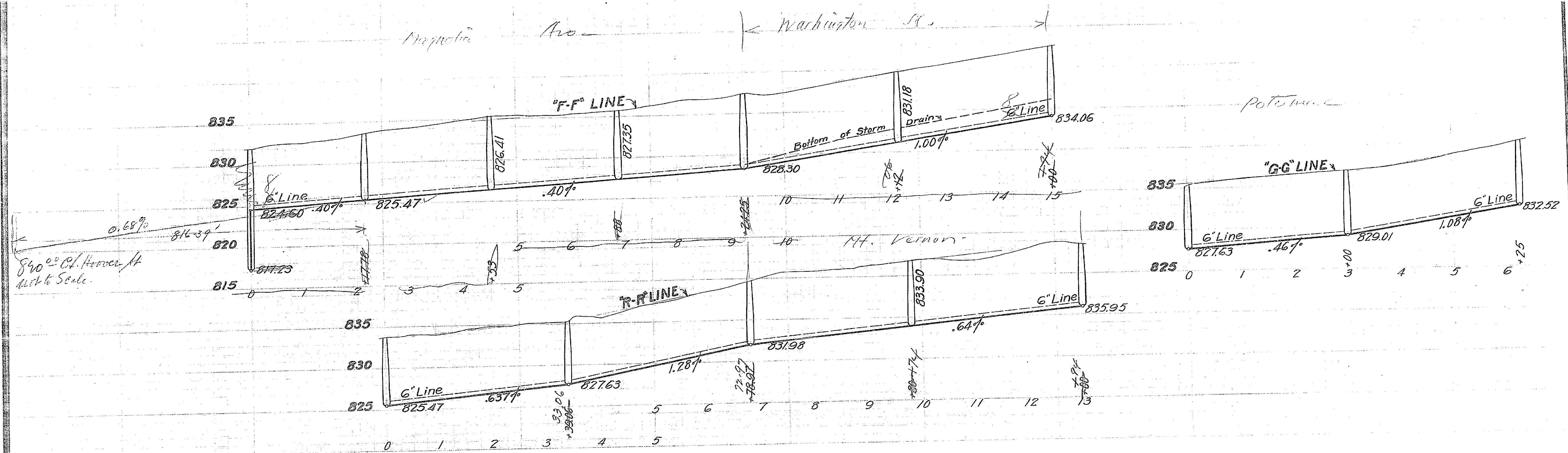
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A-1011

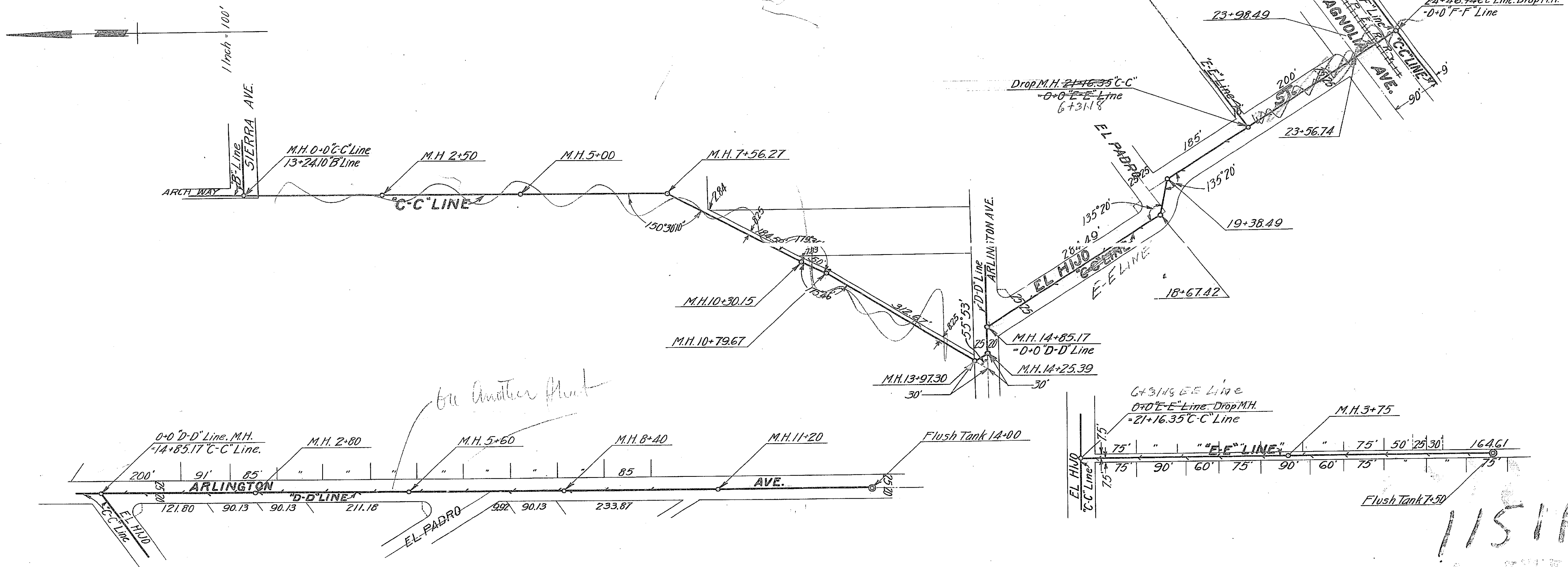
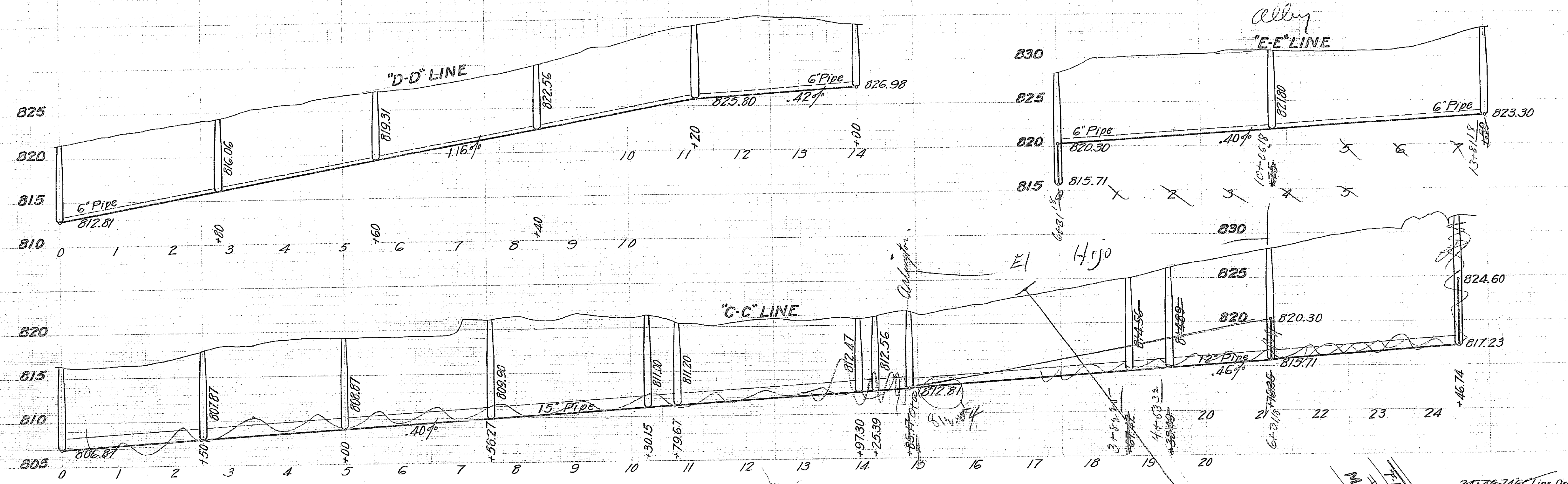


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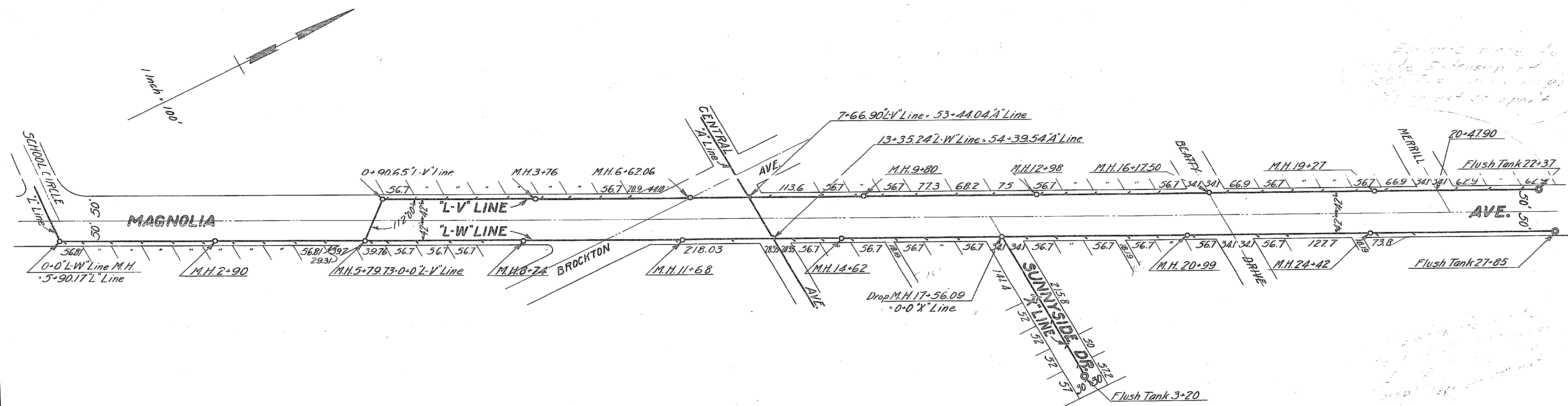
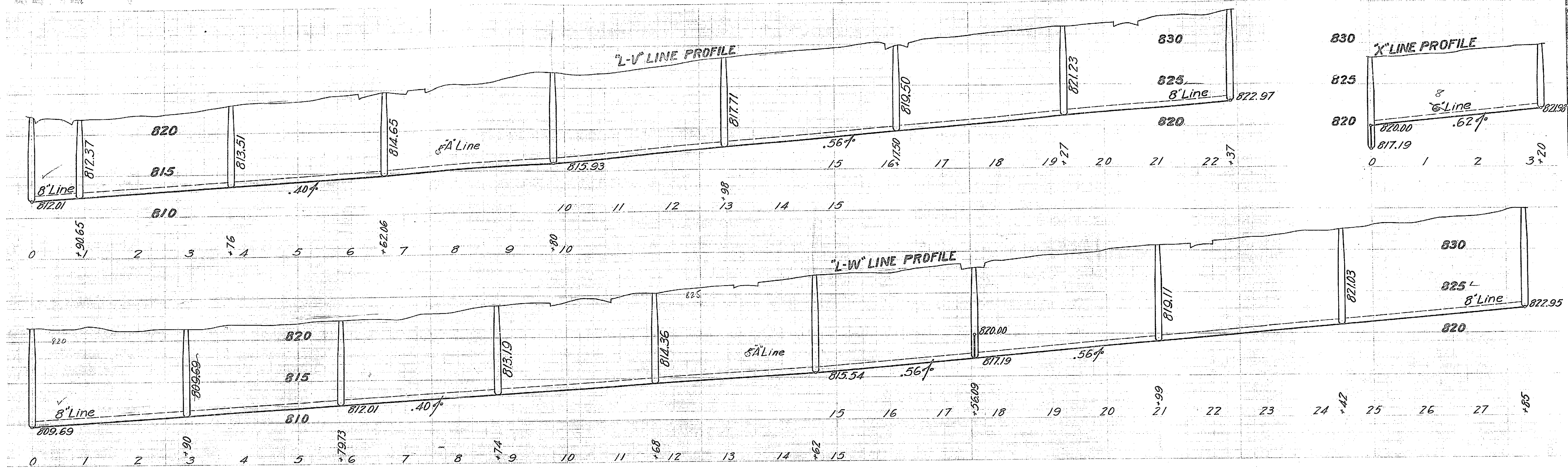
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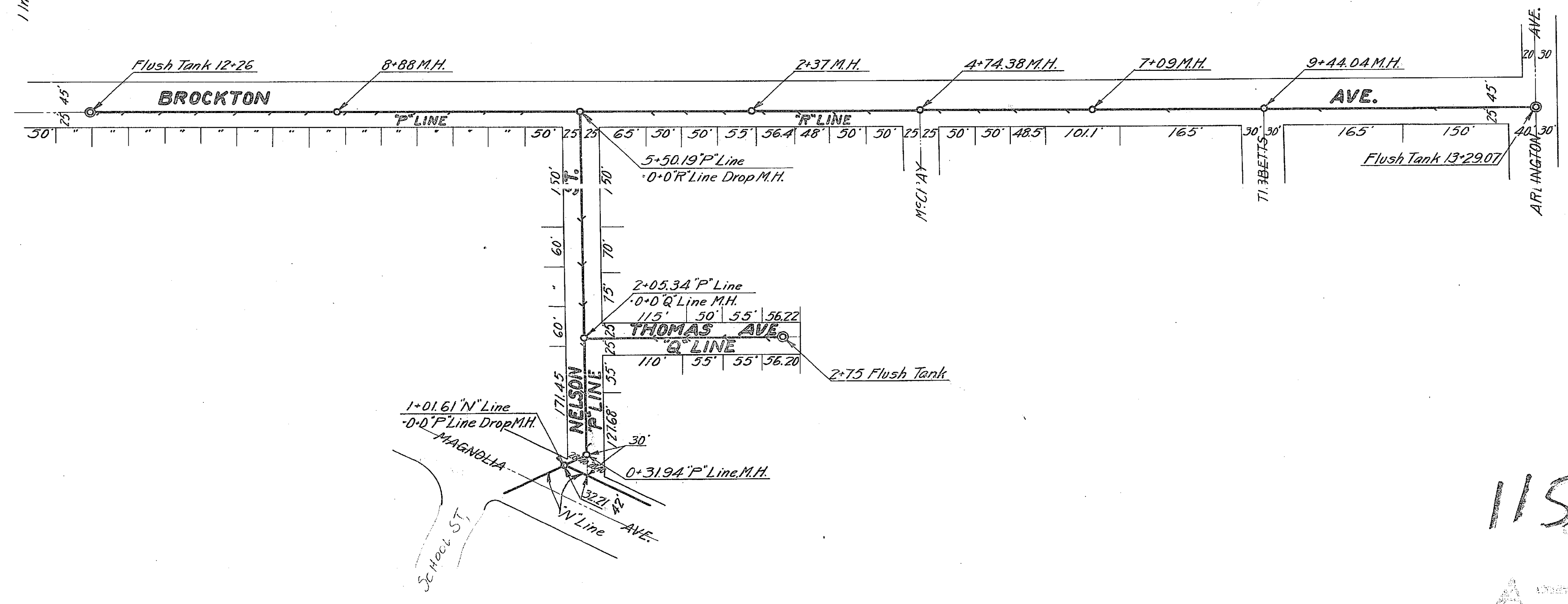
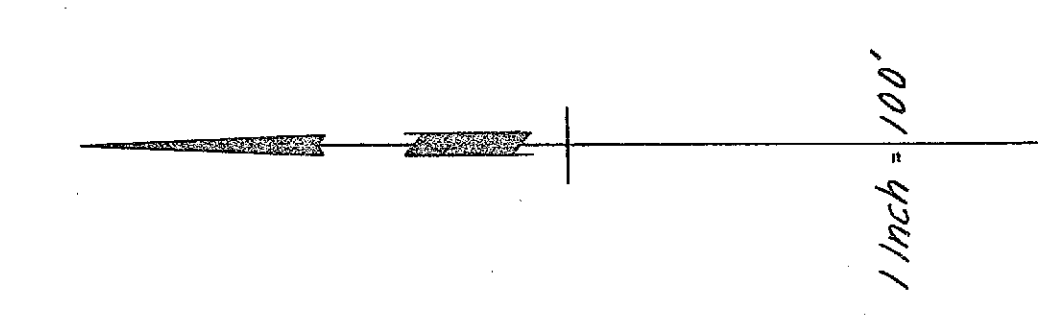
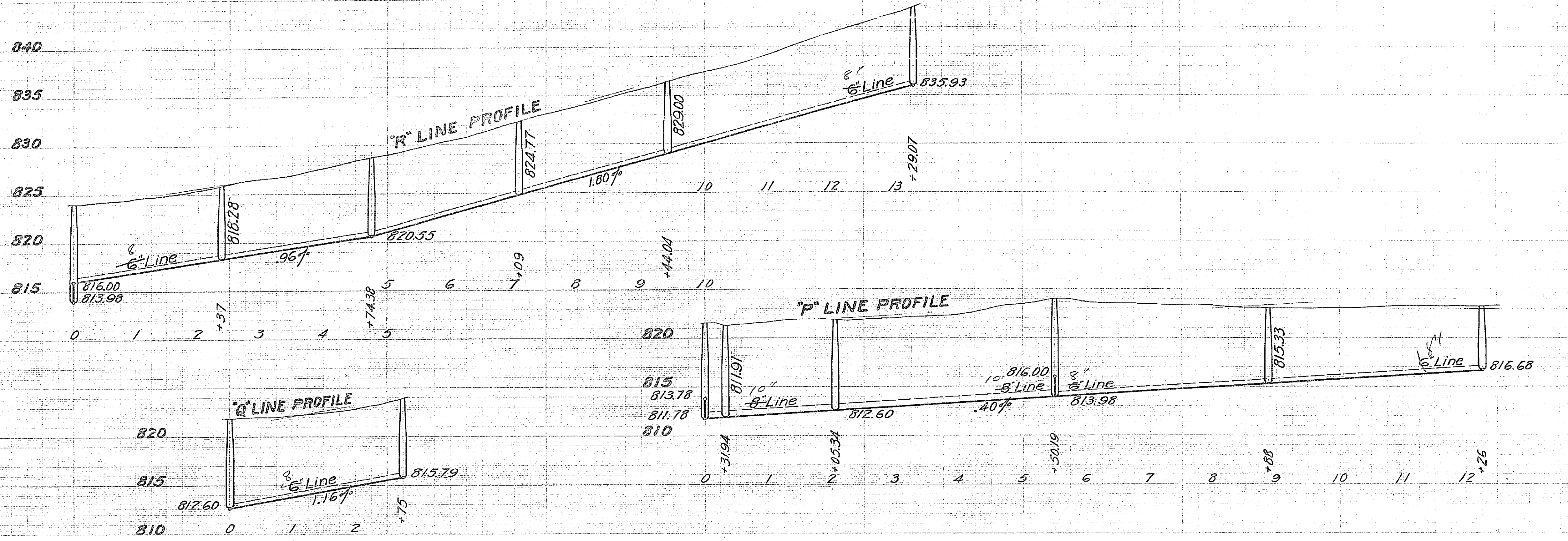
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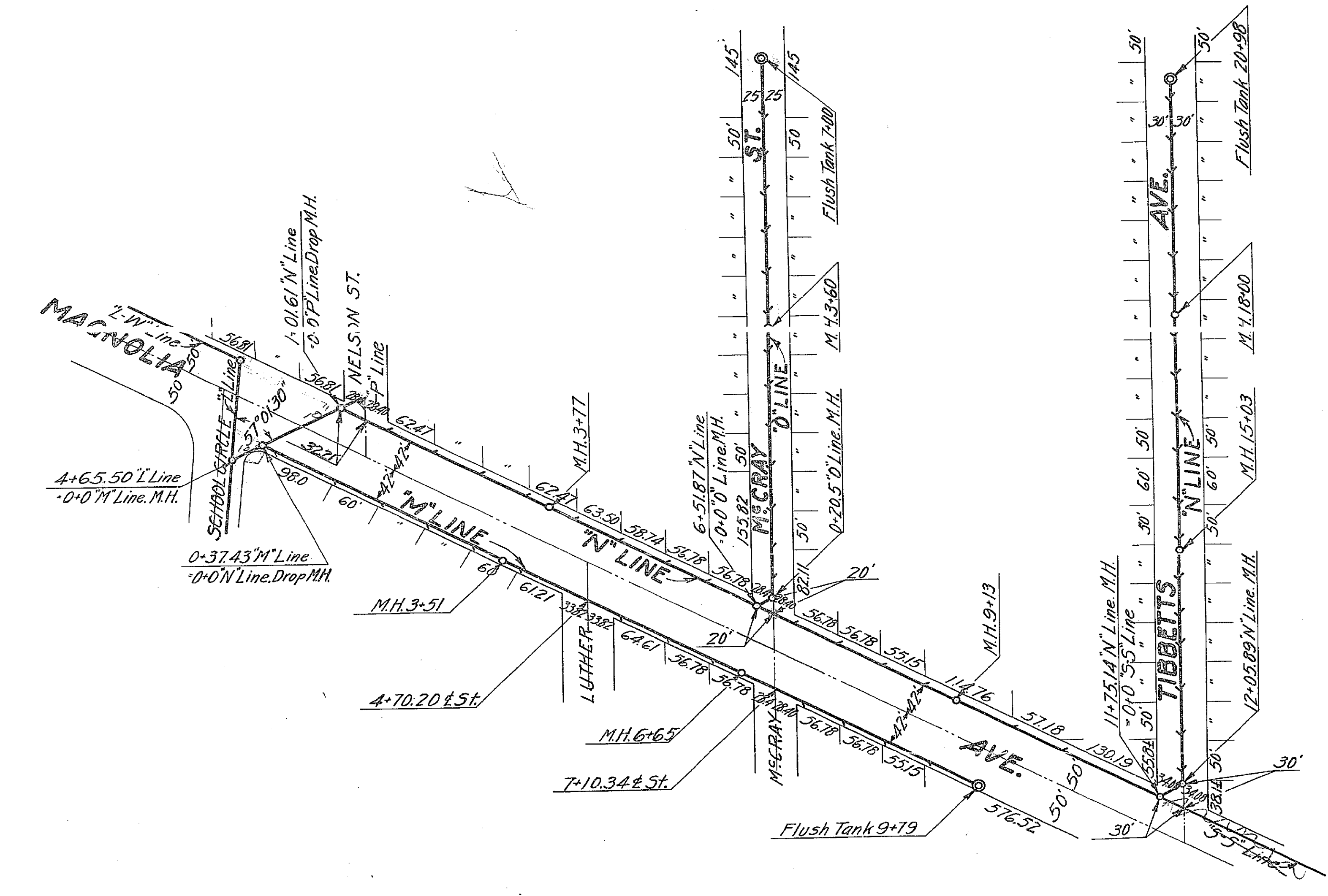
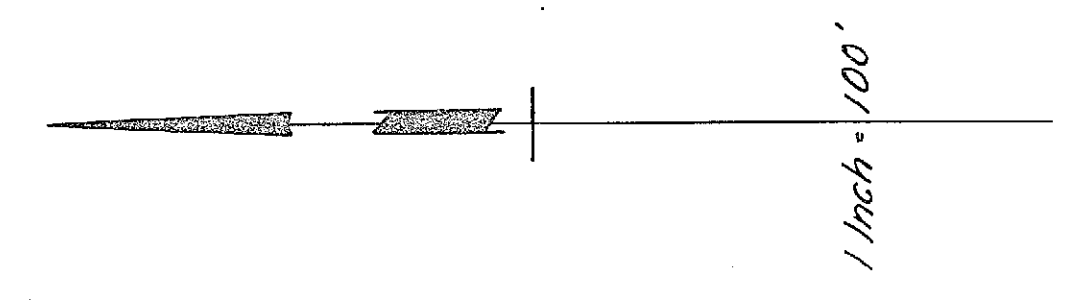
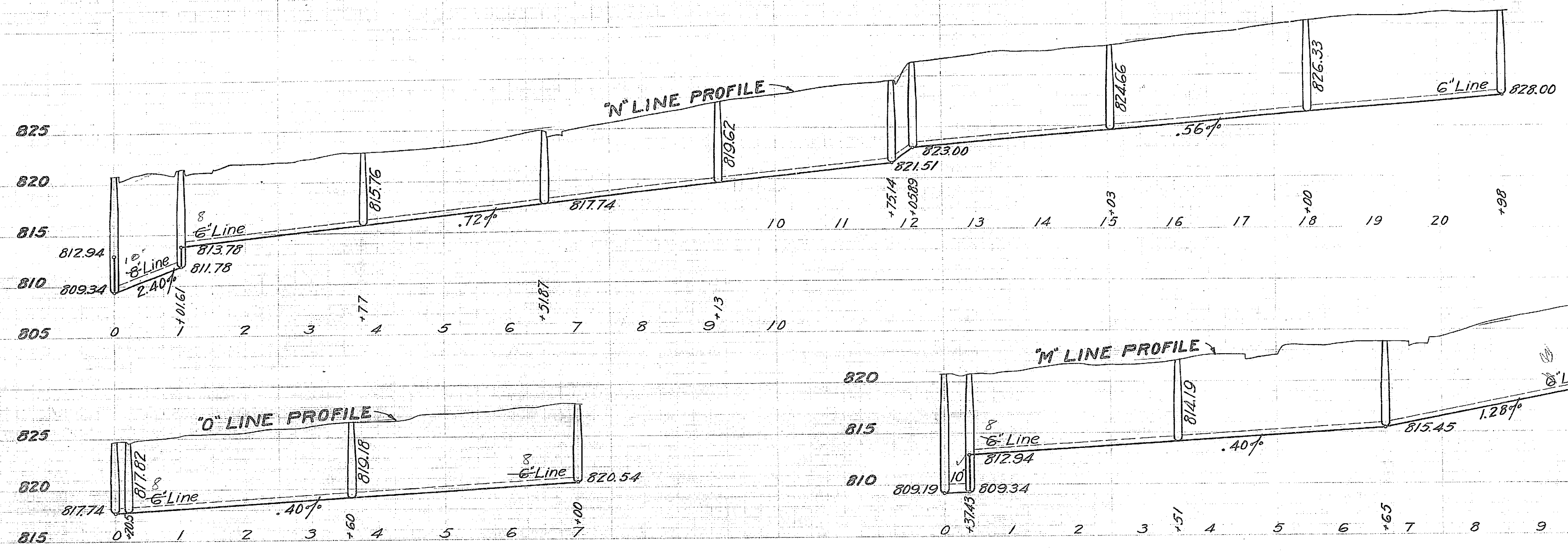
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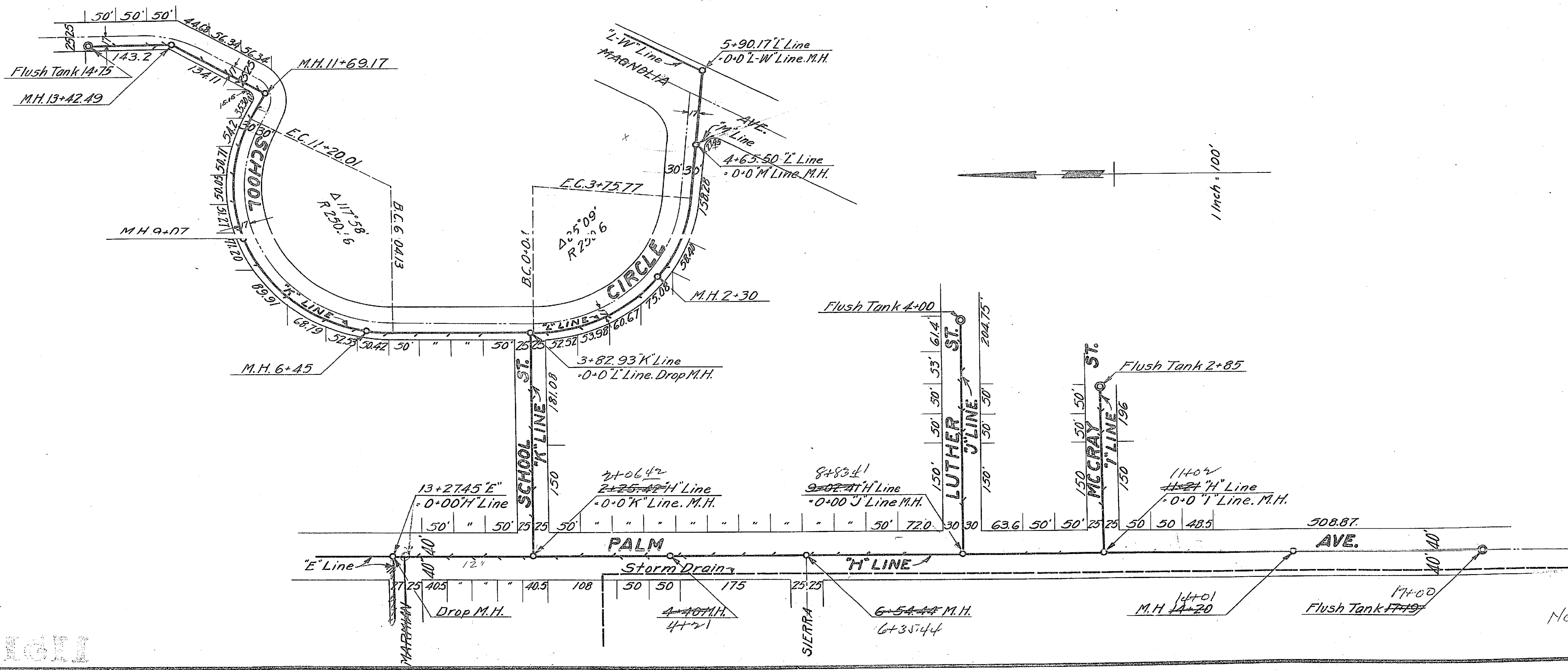
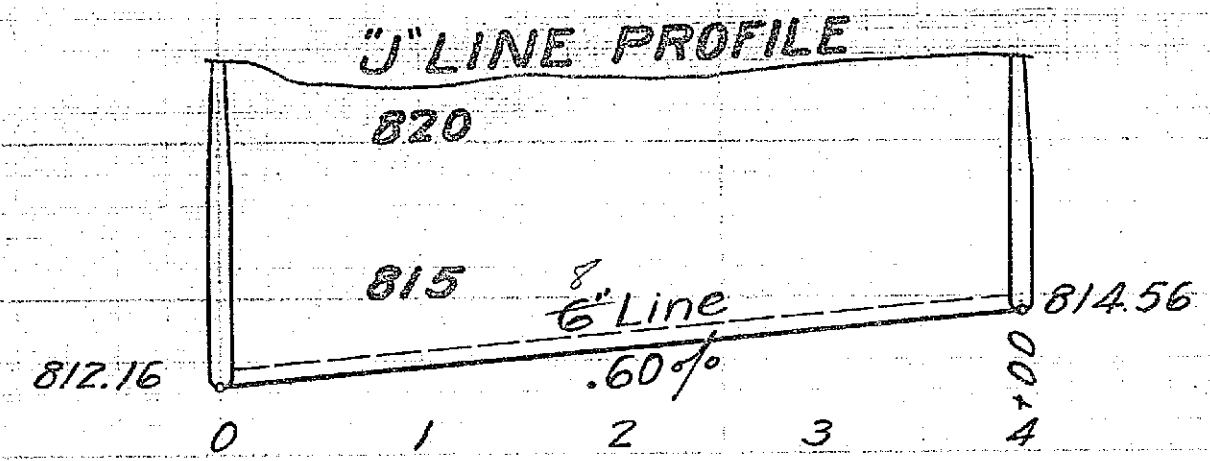
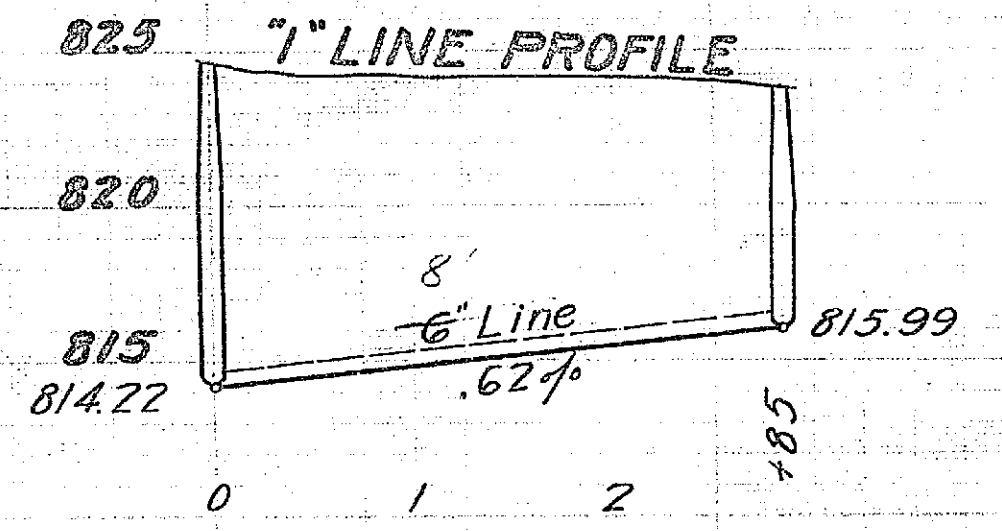
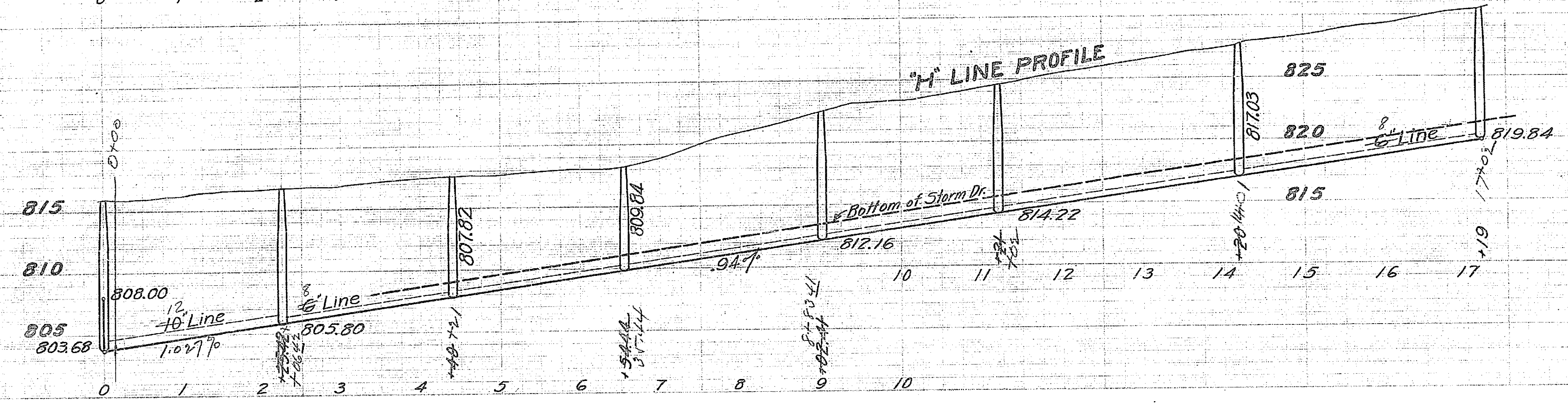
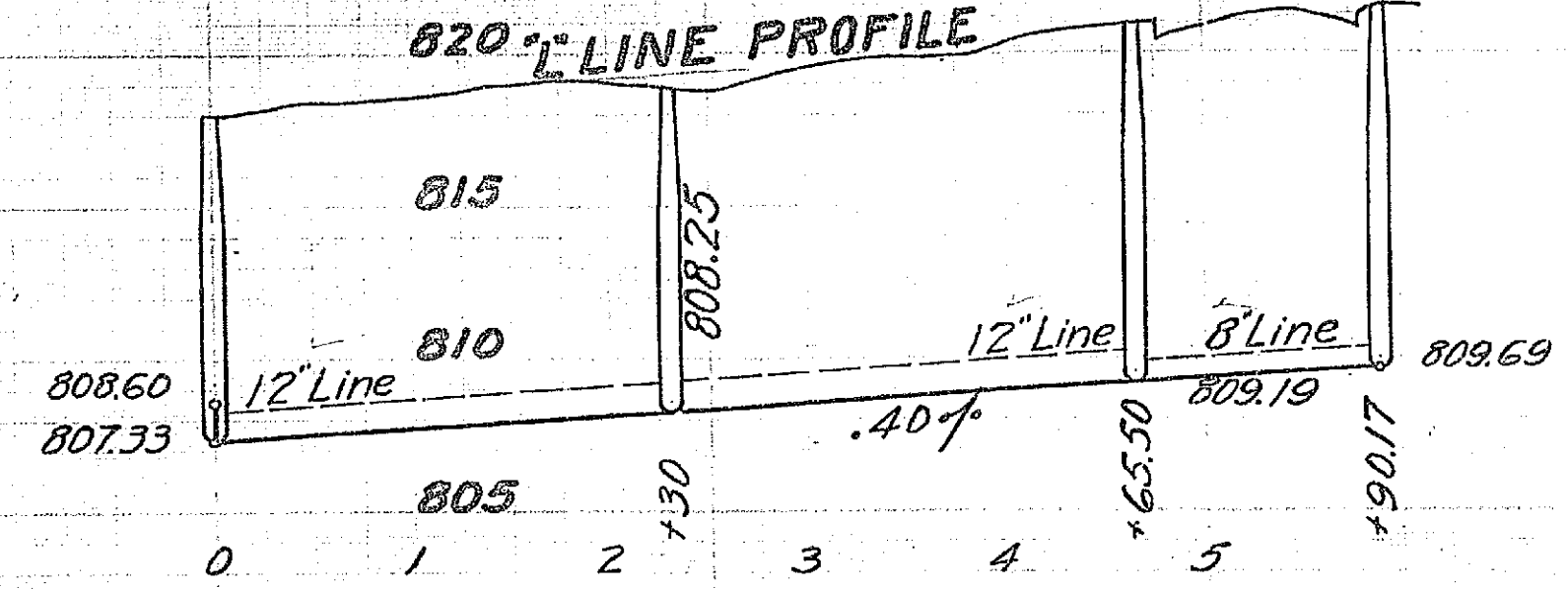
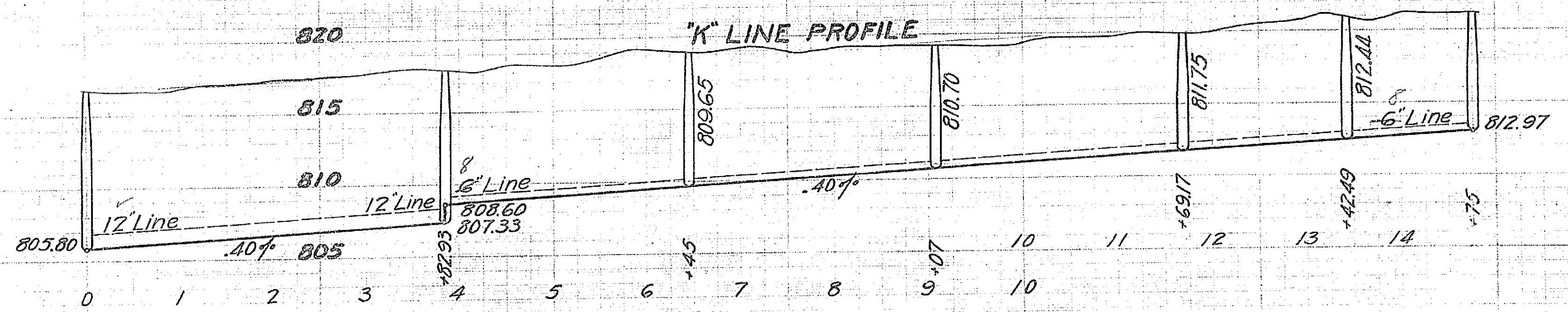
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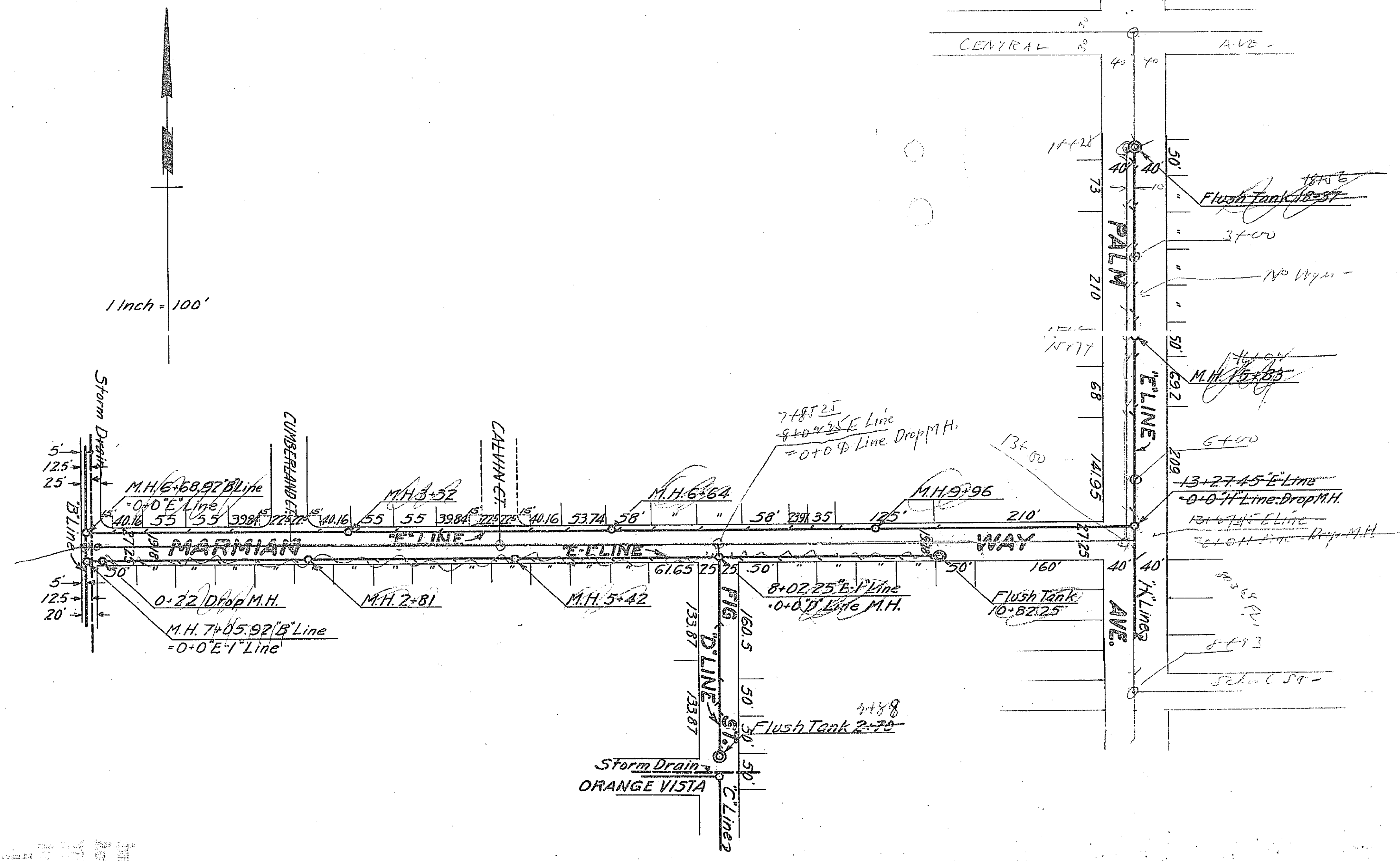
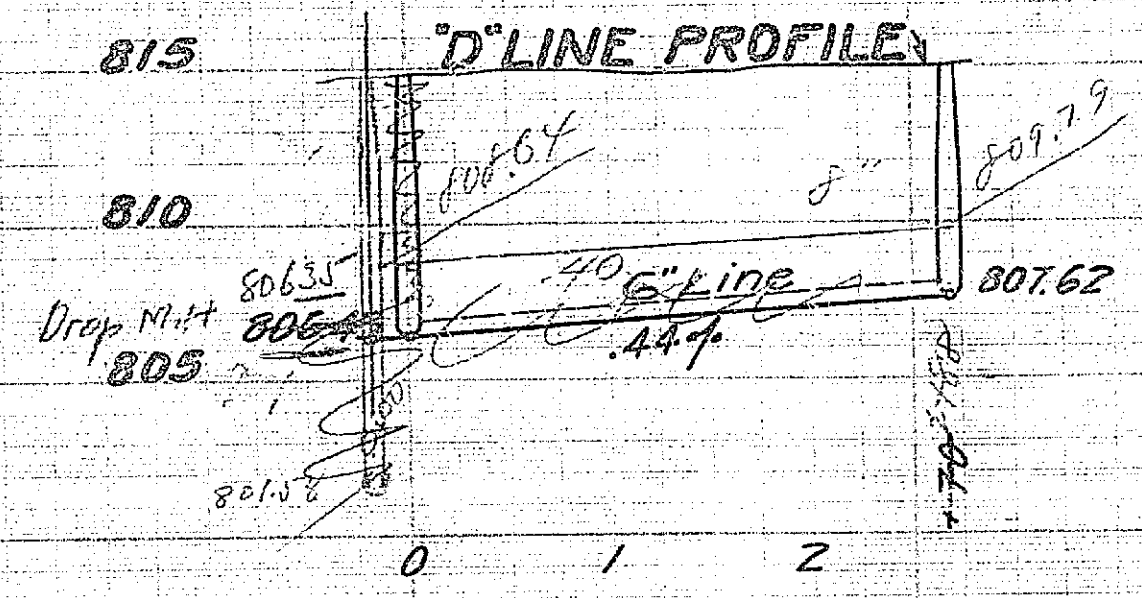
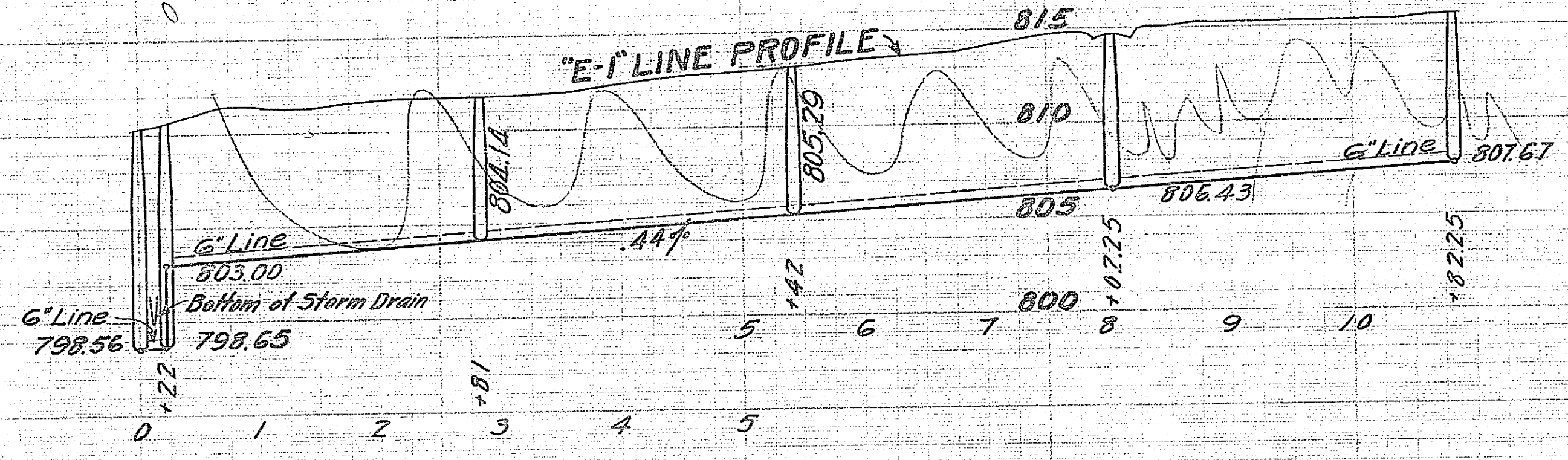
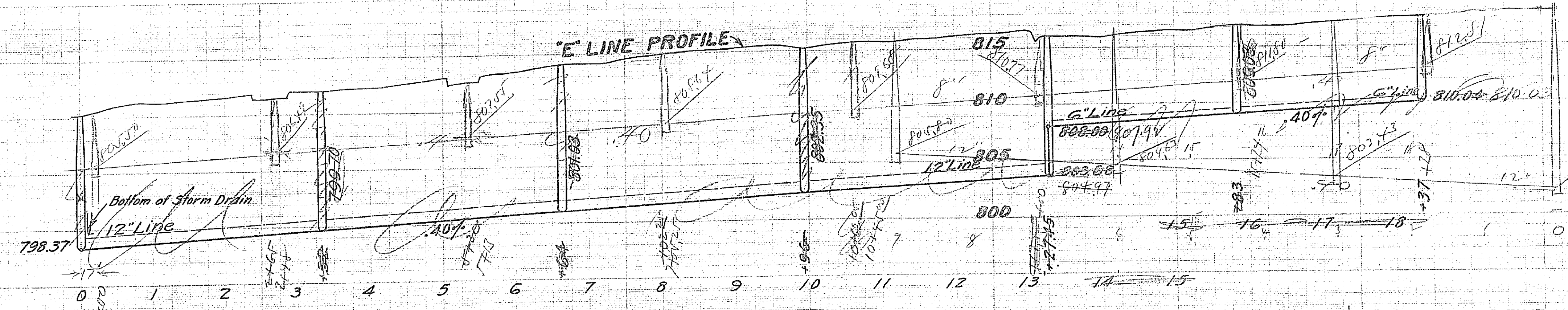


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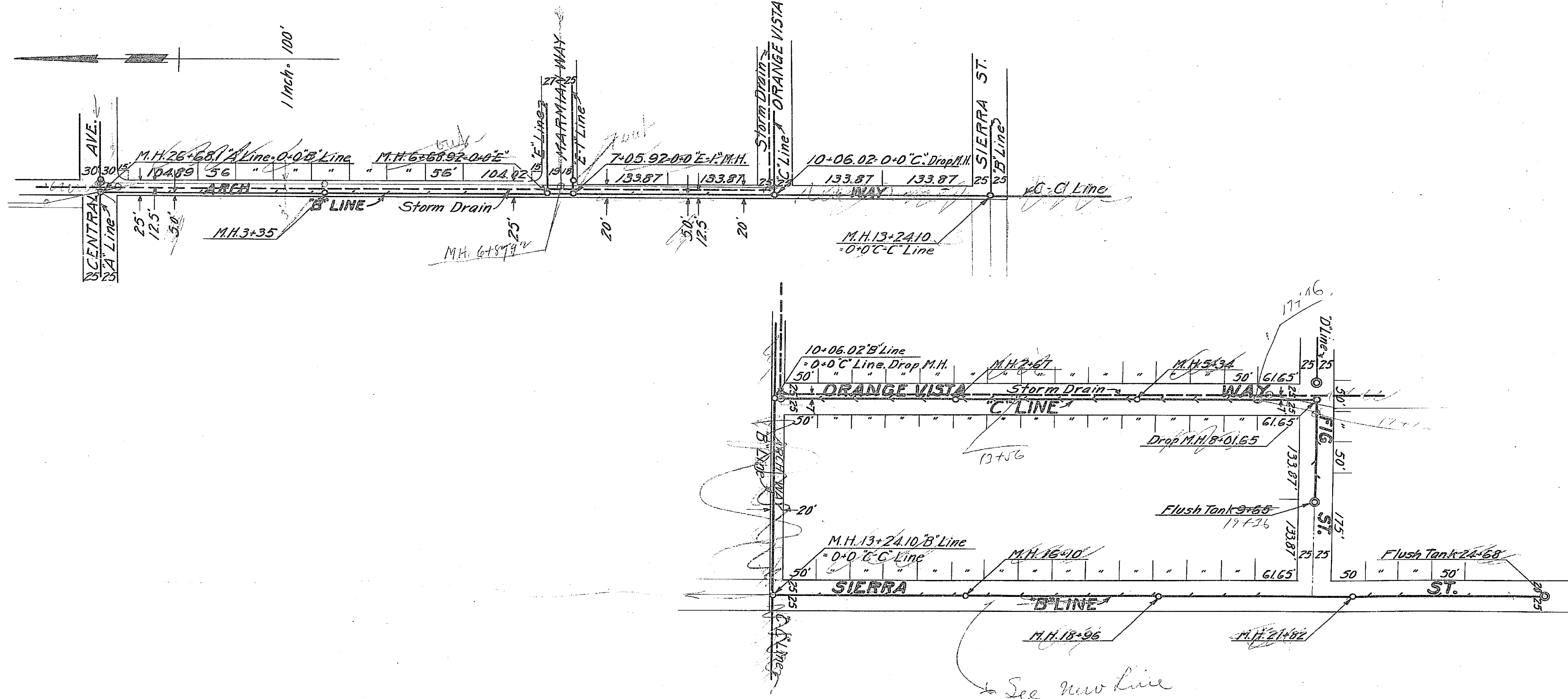
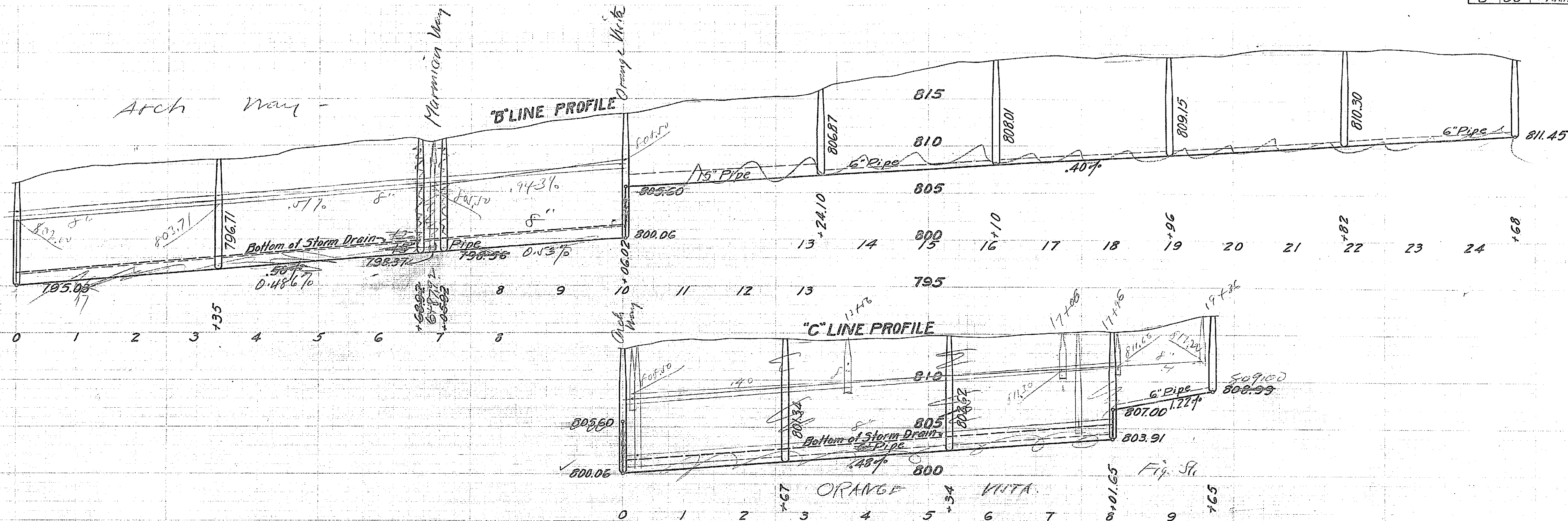
Nelson St = 10" pipe

A-1011

A-1011



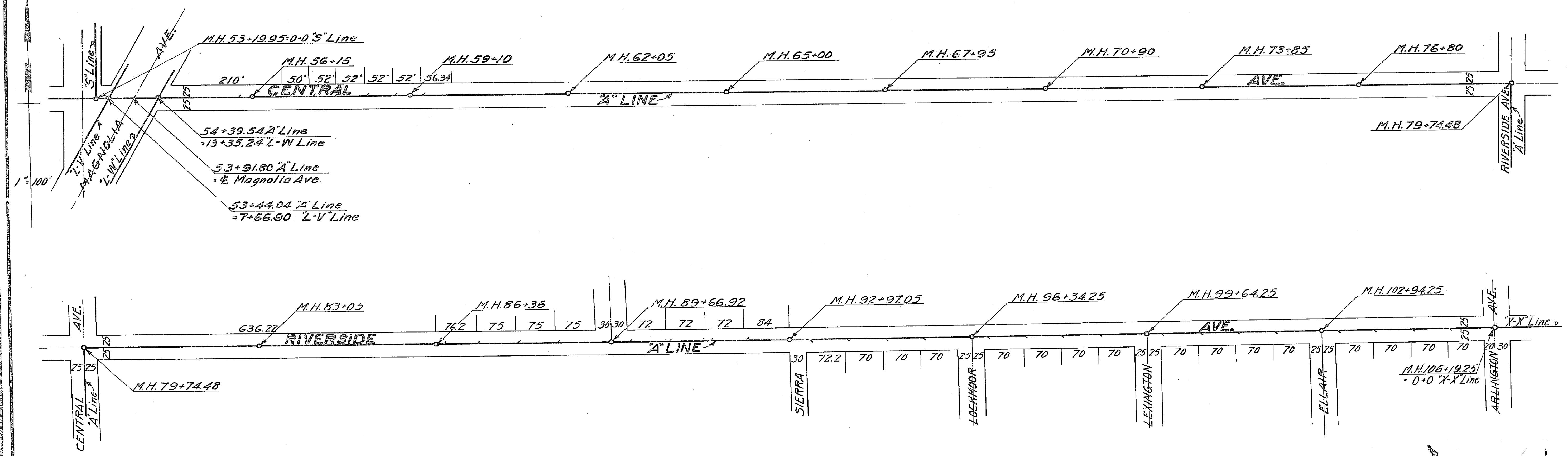
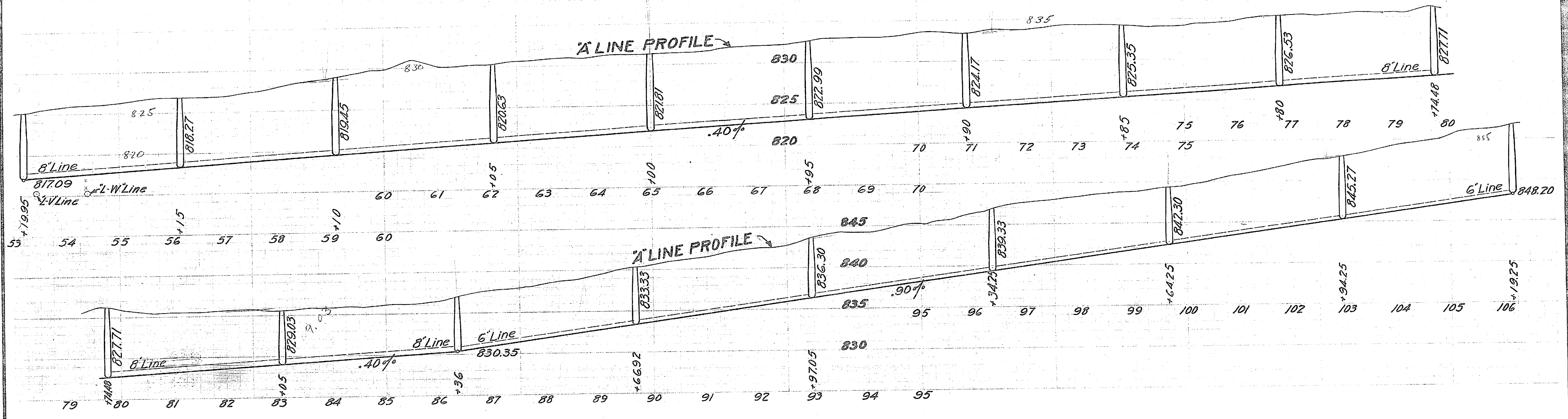
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A-101



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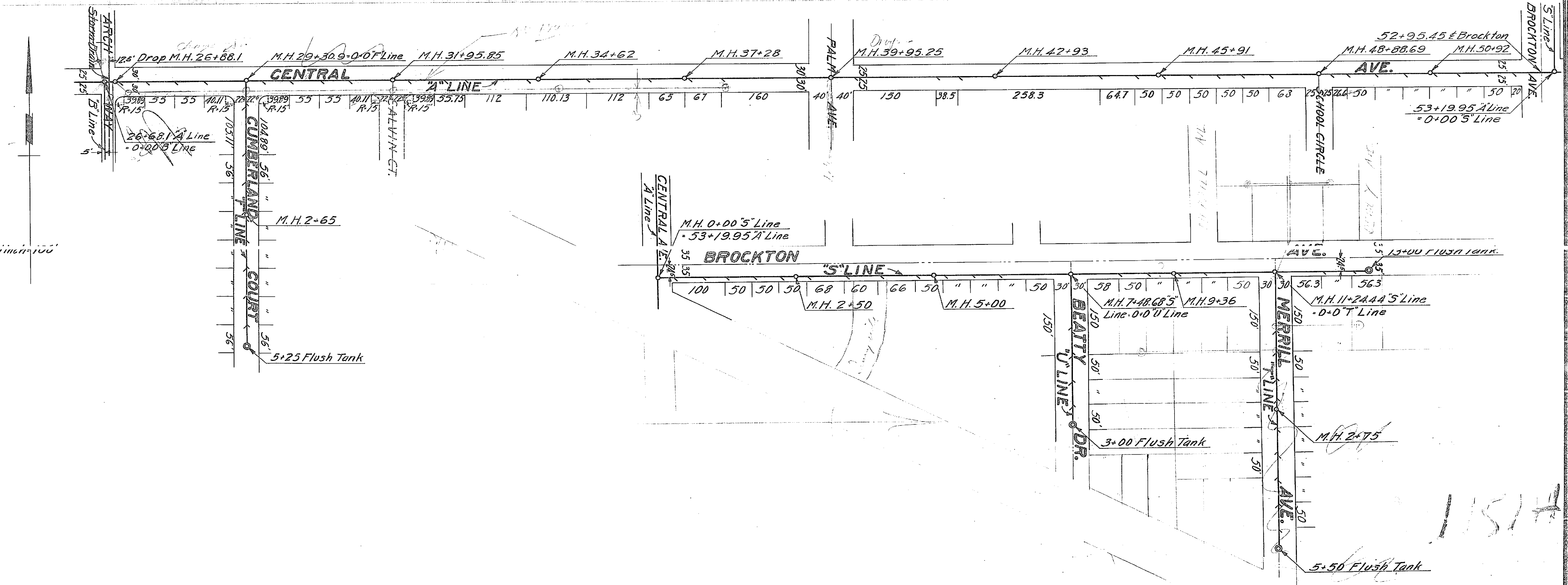
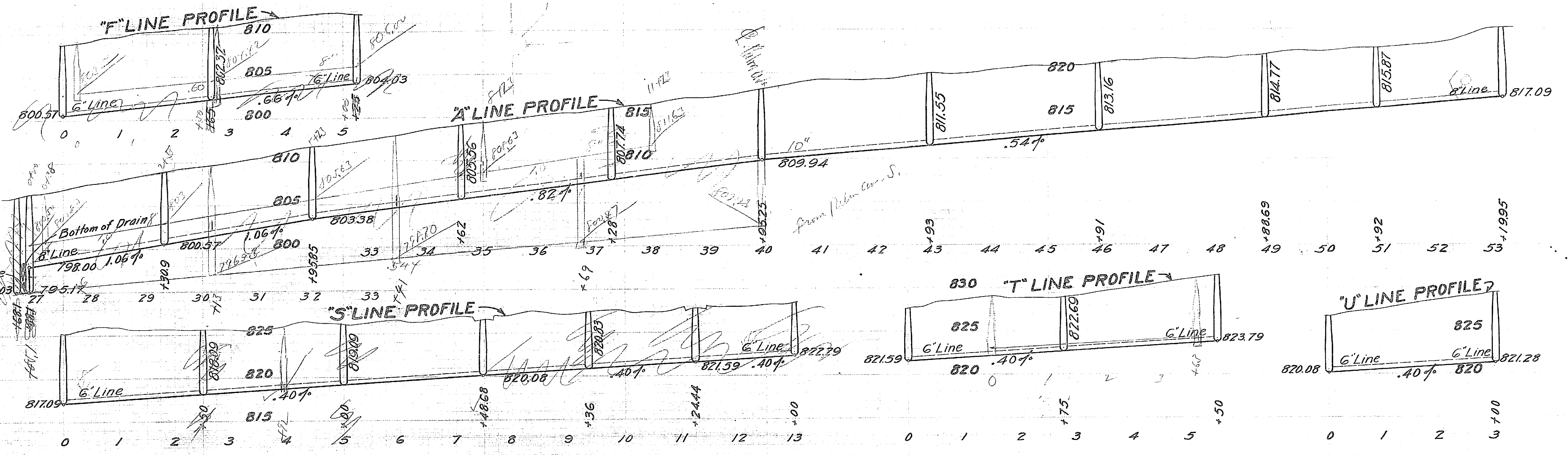
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SHEET	TOTAL	DRAWN	CHECKED
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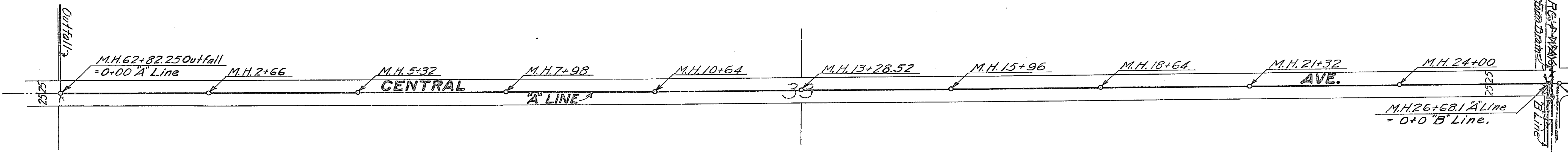
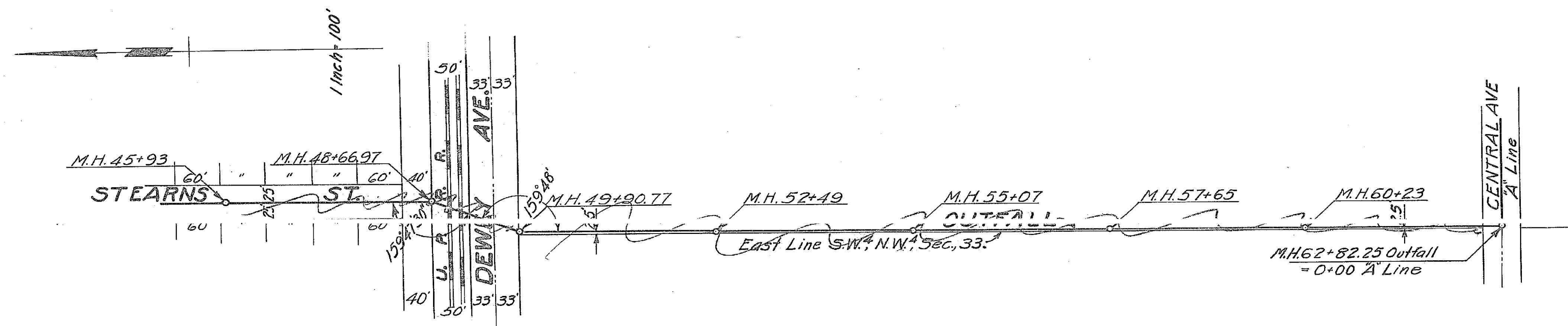
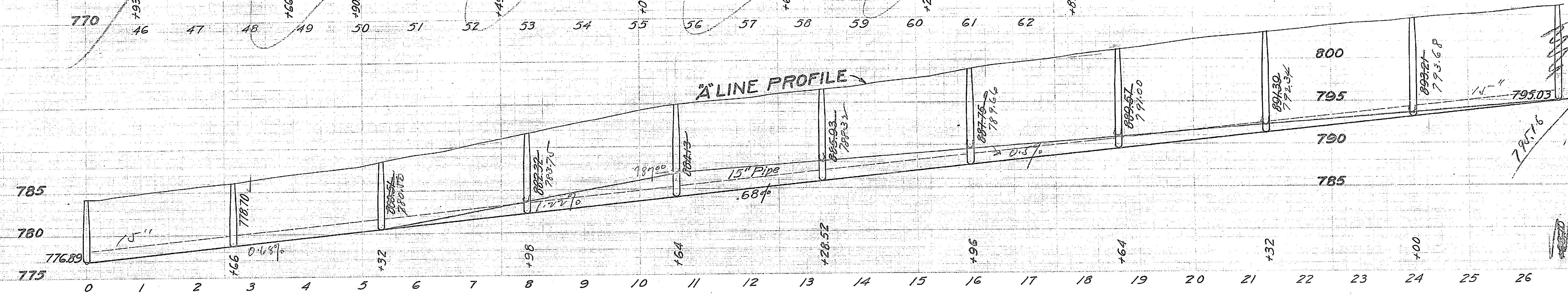
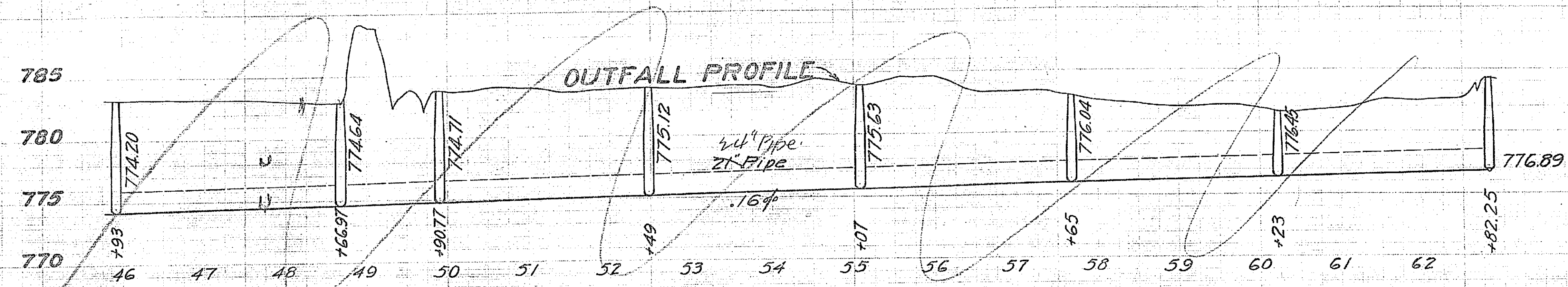
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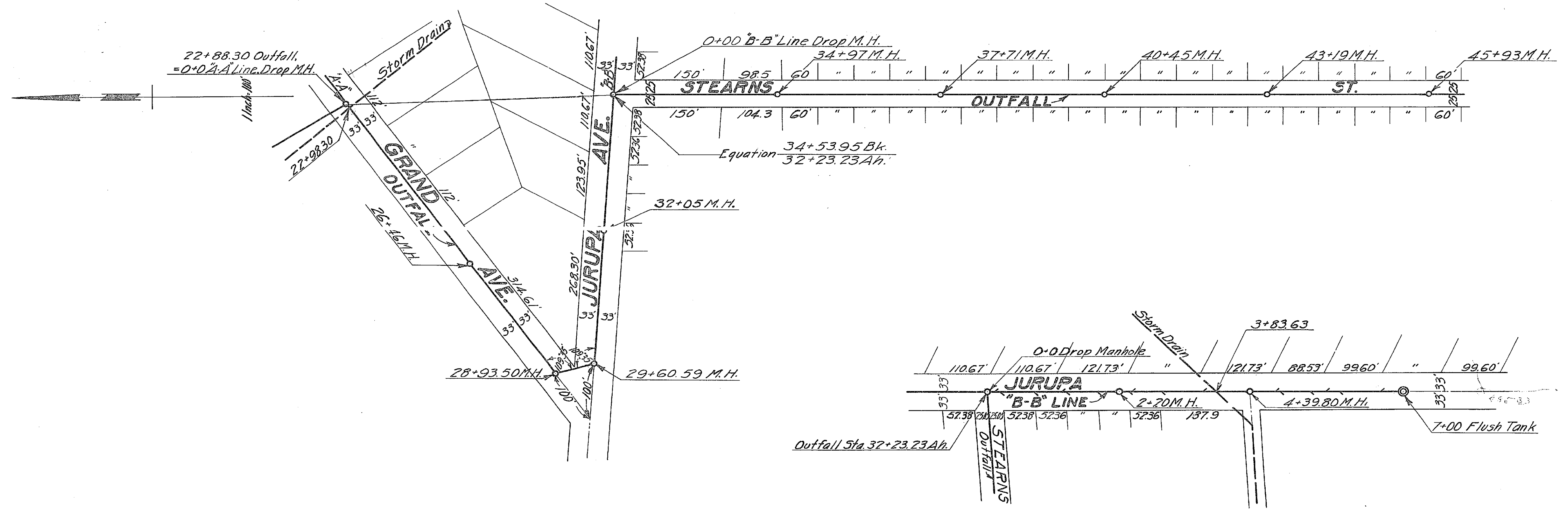
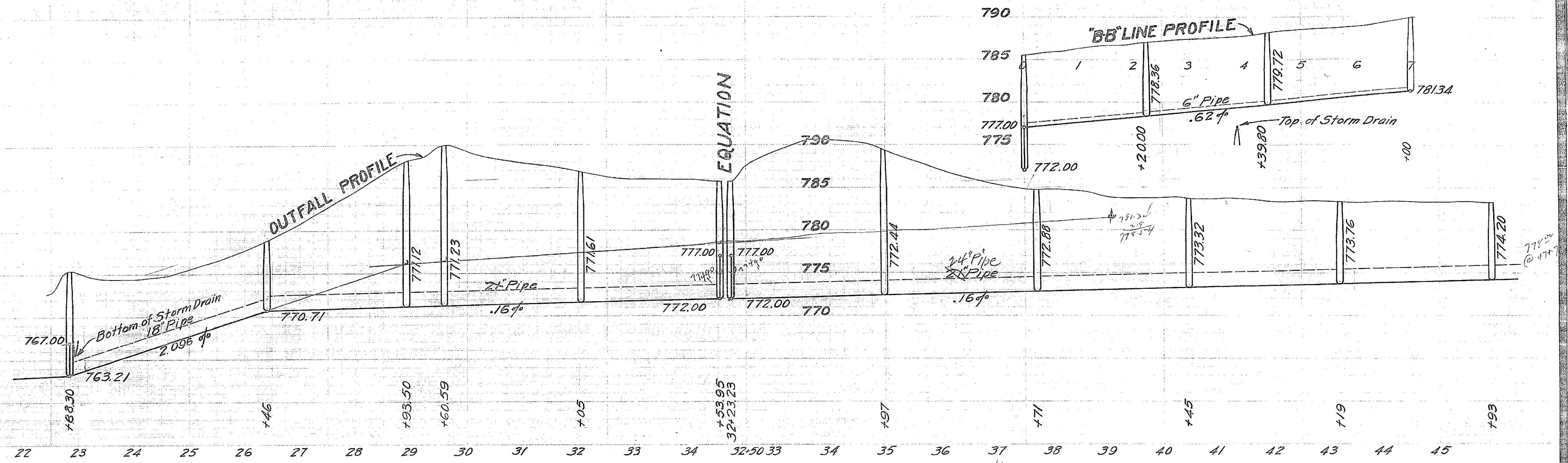


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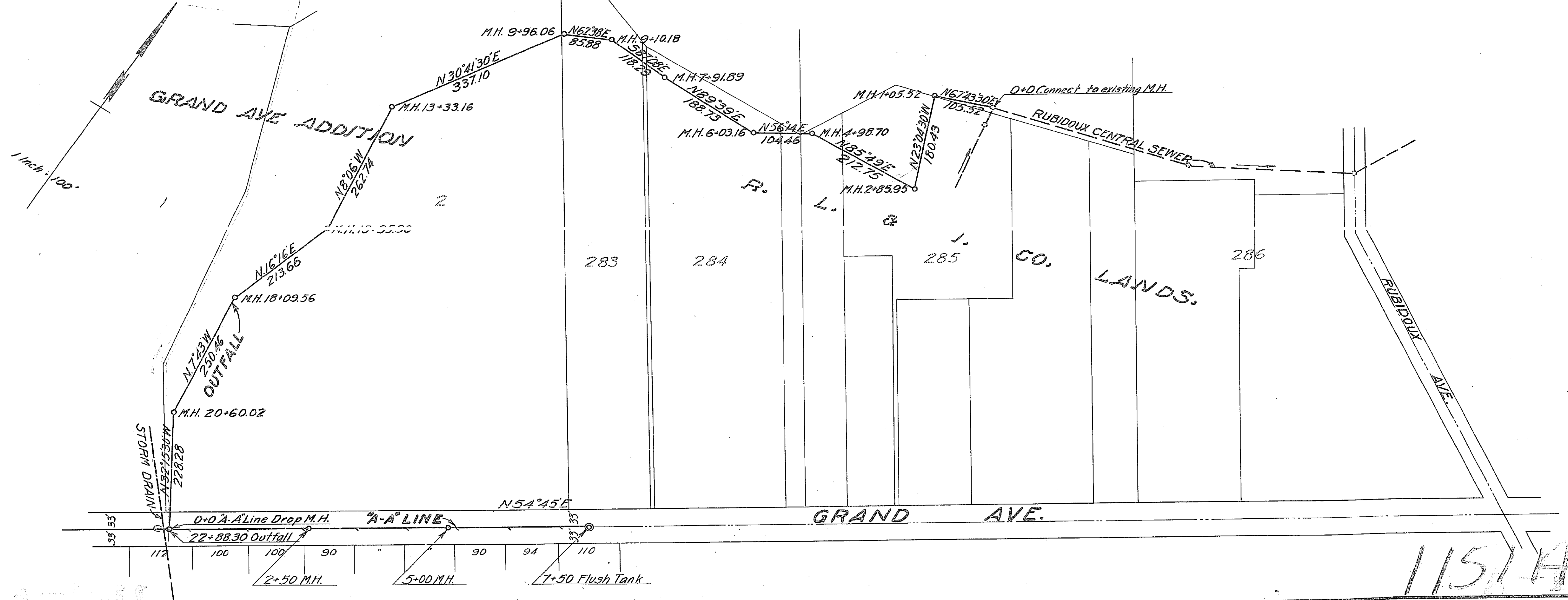
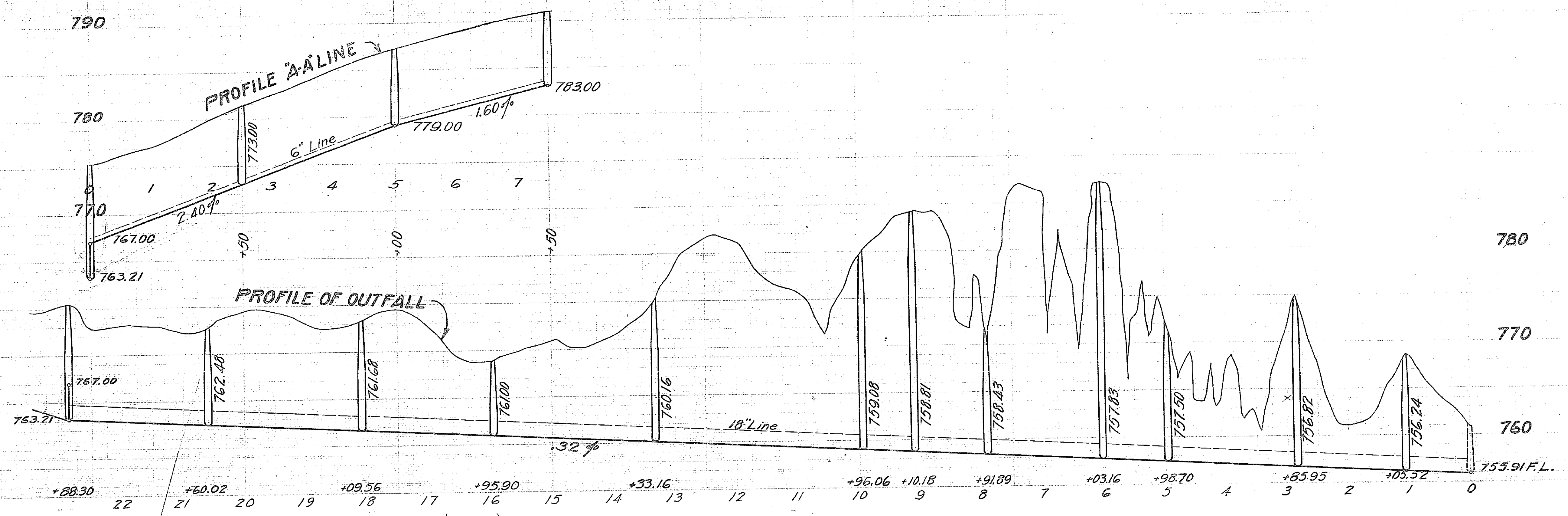
SHEET	TOTAL	DRAWN	CHECKED
5	33	F.M.H.	A.V.R.



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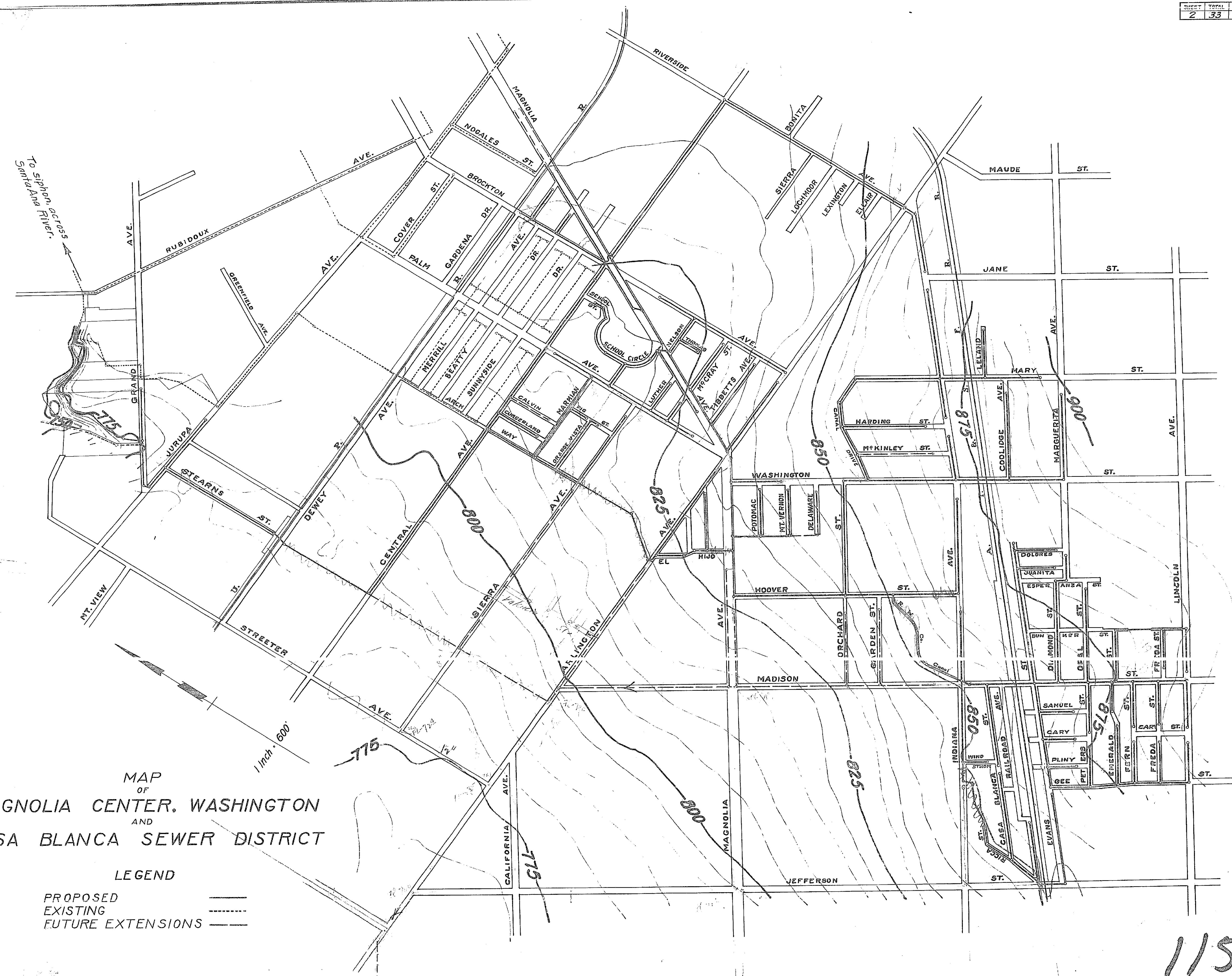


1151A

MAP
OF
MAGNOLIA CENTER, WASHINGTON
AND
CASA BLANCA SEWER DISTRICT

LEGEND

PROPOSED ———
 EXISTING - - - - -
 FUTURE EXTENSIONS - - - - -



1151A

DATE August 1934

ENGINEERING DEPT., CITY OF RIVERSIDE CALIF.

NAME OF SYSTEM, MAGNOLIA CENTER - WASHINGTON - CASA BLANCA SEWER SYSTEM

SHEET No. 1

Line Number	Street	From Manhole Number	To Manhole Number	Length Feet	Tributary Area		Maximum rate of sewerage flow		Based on 75 gals. per capita used	NOTE	per acre and in 18 hours	Elevation of sewer invert
					Increment Acres	Total Acres	Domestic and ground water from curve, mgd	Total m.g.d. c.f.s.				
A-1	Lincoln St.	26+65.99	32+96	630.00	64			.02	.0040	0.30	1.555	888.07
A-1	Madison St.	23+20.94	25+65.99	345.04	1.75	81.5		.03	.0216	0.71	3.615	885.55
R-1	Freda St.	0+00	6+29	629.0	3.2	11.95		.04	.0062	0.38	1.937	882.00
A-1	Madison St.	19+90.9	23+20.94	330.04	3.4	14.75		.06	.0216	0.71	3.615	878.10
P-1	Fern Ave.	0+00	6+29	629	3.2	17.95		.07	.0058	0.37	1.873	876.45
A-1	Madison St.	17+90.87	19+90.9	200.03	0.5	18.45		.07	.0216	0.71	3.615	870.97
					18.45							
S-1	Lincoln Ave.	15+74.37	21+03	528.63	2.65			.01	.0120	0.53	2.695	886.29
S-1	Private Property	12+85.4	15+74.37	288.97	0.5	31.5		.01	.0120	0.53	2.695	879.95
T-1	Freda St.	0+00	5+28	528	2.72	5.87		.02	.0086	0.45	2.281	881.02
S-1	Emerald St.	16+98.45	12+85.4	586.95	5.30	11.17		.04	.0120	0.53	2.695	876.48
S-1	Emerald St.	0+00	6+29	629.45	7.1	18.27		.07	.0040	0.30	1.555	869.44
					36.72							
A-1	Madison St.	17+45.87	17+90.87	450		36.72		.014	.0152	0.59	3.033	866.65
N-1	Emerald Ave.	0+00	4+79	479	1.7			.001	.0068	0.40	2.029	870.66
					38.42							
A-1	Madison St.	14+70.44	17+45.87	275.4	1.8	40.22		.016	.0152	0.59	3.033	861.96
I-1	Peters St.	0+00	7+04	704	3.0	43.22		.001	.0056	0.36	1.841	865.72
A-1	Madison St.	14+40.87	14+70.44	296		43.22		.017	.0152	0.59	3.033	861.78
U-1	Opal St.	3+25	12+85	960	7.6	50.82		.63	.0140	0.57	2.911	876.07
U-1	Opal St.	0+00	3+25	325	—			.03	.0040	0.30	1.555	862.63
					50.82							
A-1	Madison St.	10+91.06	14+40.87	349.81	2.1	52.92		.020	.0152	0.59	3.033	861.33
					52.92							
V-1	Marquerita Ave.	15+37.96	20+45	507.04	40.9			.016	.0144	0.51	2.627	879.32
V-1	Esperanza St.	13+62.86	15+37.96	175.1		40.9		.016	.0144	0.51	2.627	873.54
V-1	Diamond St.	10+00	13+62.86	1362.86	7.28	48.18		.019	.0114	0.51	2.627	871.54
					101.0							
A-1	Madison St.	8+77.07	10+91.06	213.99	0.8	101.9		.039	.0094	0.47	2.385	856.81
					101.9							
E-3	Lincoln Ave.	30+27.34	36+18	590.65	3.85			.010	.0102	0.49	2.484	887.00
E-3	Gee St.	26+80.64	30+27.34	346.73		3.85		.010	.0142	0.57	2.931	880.98
Q-1	Freda St.	10+00	5+18.9	589.0	3.7	7.55		.016	.0068	0.40	2.029	882.07
E-3	Gee St.	23+50.69	26+80.64	330.03		7.55		.030	.0142	0.57	2.931	876.06
Q-1	Fern Ave.	13+00	15+89	289.0				.020	.0040	0.30	1.555	876.23
Q-1	Fern Ave.	0+00	3+00	300.0	4.05	11.6		.040	.0142	0.61	3.137	876.23
E-3	Gee St.	21+60.41	23+50.69	190.18		11.6		.010	.0054	0.35	1.808	871.37
M-1	Emerald St.	0+00	17+98	798.0	2.85	14.45		.060	.0142	0.57	2.931	872.98
E-3	Gee St.	18+29.66	21+60.41	330.75		14.45		.016	.0054	0.35	1.808	868.67
K-1	Peter St.	0+00	5+59	559.0	3.7	18.15		.016	.0054	0.35	1.808	866.99
E-3	Gee St.	13+25.54	18+29.66	434.62	1.15	19.30		.070	.0142	0.57	2.931	863.97
E-3	Evans St.	11+18.13	15+02.94	276.91	1.05	20.35		.080	.0096	0.32	1.632	857.80
G-1	Pliny St.	0+00	2+55	255.0	1.40	21.75		.001	.0072	0.70	3.582	853.41
E-3	Evans St.	17+45.82	11+18.13	372.31	1.50	23.25		.009	.0096	0.30	1.555	857.45
H-1	Cary St.	0+00	2+97	297.0	1.40	24.65		.001	.0208	0.68	3.582	857.80
E-3	Evans St.	13+72.91	17+45.82	372.91	1.50	26.15		.010	.0096	0.30	1.555	857.80
J-1	Satue / St.	0+00	4+35	435.0	1.80	27.95		.001	.0144	0.65	3.337	862.00
E-3	Evans St.	0+00	3+72.91	372.91	1.60	29.55		.011	.0096	0.30	1.555	848.87
					131.45							
A-1	Madison St.	8+15.43	8+77.07	616.4		131.45		.051	.0096	0.68	1.960	848.87

1151A

DATE August 1934

ENGINEERING DEPT.

CITY OF RIVERSIDE CALIF.

NAME OF SYSTEM MAGNOLIA CENTER-WASHINGTON & CASA BLANCA SEWER SYSTEM SHEET NO. 2

Line Number	Street	From Manhole Number	To Manhole Number	Length, Feet	Tributary Area		Minimum rate of sewage flow		Slope of sewer, S.	Diameter of sewer, D, inches	Capacity when full, Q, c.f.s.	Velocity when full, V, feet per second	Fall in sewer, feet	Elevation of sewer invert
					Increment Acres	Total Acres	Domestic and ground water from curve, mgd	Total m.g.d.						
W-1	Evans St.	17+77.54	18+92	12446	14.5	13145		0.6	.0066	0.39	1.998	0.75	872.03	871.28
Y-1	Delores St.	0+00	4+46	446.0	15	160		0.1	.0128	0.55	2.782	5.71	876.99	871.28
W-1	Evans St.	15+10.03	17+77.54	26751	22	182		0.7	.0066	0.39	1.998	1.67	871.28	869.51
X-1	Juanita St.	0+00	4+16	416.0	15	197		0.1	.0084	0.44	2.254	3.49	873.00	869.51
W-1	Evans St.	12+00	15+10.03	31003				0.2	.0086	0.45	2.281	2.67	869.51	866.84
W-1	Evans St.	6+00	12+00	600.0				0.2	.0144	0.58	2.952	8.64	866.84	858.20
W-1	Evans St.	0+00	6+00	600.0	111	308		0.2	.0086	0.43	2.280	4.80	858.20	853.40
A-1	Madison St.	2+83.82	8+15.43	53161	2.25	164.50		0.63	.0041	0.72	2.056	2.13	847.83	845.70
B-1	Casa Blanca St.	5+50	10+93	5443	7.15	164.50		0.3	.0088	0.45	2.307	4.78	849.97	845.19
B-1	Casa Blanca St.	0+00	5+50	5500	7.15	171.65		0.3	.0040	0.30	1.555	2.10	845.19	842.99
A-1	Madison St.	0+00	2+83.82	28382	0.25	171.90		0.66	.0042	0.70	2.009	1.19	842.99	841.80
C-C	Madison & Indiana	65+02.98	65+82.24	77.76		171.90		0.66	.0040	0.68	1.960	0.31	841.80	841.49
E-2	Evans St.	0+00	12+38	12380	4.88			0.19	.0086	0.45	2.281	10.65	855.97	845.32
U-U	Jefferson St.	31+81.24	34+11.96	23072		488		0.19	.0020	0.22	1.100	0.46	845.32	844.86
U-U	Ricca St.	30+97.27	31+81.24	8387		48.8		0.2	.0020	0.22	1.100	0.17	844.86	844.69
D-1	Railroad Ave.	0+00	17+88	7880	20	50.8		0.01	.0068	0.40	2.029	5.36	850.05	844.69
U-U	Ricca St.	26+44.81	30+97.27	34256	2.25	530.5		0.20	.0020	0.22	1.100	0.90	844.76	843.79
B-2	Casa Blanca St.	0+00	12+08	1208	4.15	57.20		0.23	.0020	0.22	1.100	6.76	850.55	843.79
U-U	Ricca St - Canal RM	11+10.34	26+44.81	15347	3.00	60.20		0.23	.0020	0.48	1.386	3.19	843.79	840.72
C-1	Winstrom St.	0+00	3+00	300		60.20		0.23	.0186	0.66	3.355	5.58	847.58	842.00
U-U	Indiana Ave.	0+00	14+10.34	14103	15.55	75.75		0.29	.0020	0.48	1.386	2.22	840.72	838.50
Q-Q	Indiana Ave.	5+00	10+50	3500	14.8	247.65		0.6	.0098	0.48	2.435	8.40	855.60	843.20
Q-Q	Indiana Ave.	0+00	5+00	5000	14.8	262.45		0.6	.0168	0.62	3.188	5.39	856.99	851.60
C-C	Canal RM	49+66.05	65+04.98	153893	294	262.45		1.01	.0020	1.50	1.907	6.37	841.49	835.12
P-P	Indiana Ave.	7+00	21+00	139984				0.11	.0040	0.30	1.555	5.28	861.40	856.12
P-P	Hoover St.	5+25	7+80.16	25516	7.2	36.6		0.14	.0092	0.46	2.359	2.35	856.12	853.77
P-P	Hoover St.	0+00	5+25	5250		299.05		0.14	.0148	0.57	2.993	7.77	853.77	846.00
C-C	Hoover St.	44+08.71	49+66.05	55738	94	308.45		1.19	.0022	1.57	2.00	1.24	835.12	833.88
H-H	Marquerita Ave.	48+30	51+50	3200		303.45		0.33	.0108	0.50	2.557	3.46	891.02	887.56
H-H	Marquerita Ave.	41+89	48+30	6410	84.35			0.33	.0048	0.33	1.697	3.08	887.56	884.48
H-H	Washington St.	35+91.26	41+89	5974	3.65	88.00		0.54	.0144	0.58	2.952	8.61	884.48	875.87
O-O	Coolidge St.	0+00	12+50	1250	8.85	96.85		0.03	.0034	0.28	1.427	4.25	880.12	875.87
H-H	Washington St.	33+25	35+91.26	26626				0.39	.0144	0.58	2.952	3.83	875.87	872.04
H-H	Washington St.	28+36.72	33+25	48828	3.2	100.05		0.39	.0216	0.71	3.613	10.55	872.04	861.49
N-N	Indiana Ave.	0+00	6+60	6600	6.7	106.75		0.03	.0040	0.30	1.555	2.84	864.13	861.49
H-H	Washington St.	17+57.45	28+36.72	107927	19.65	126.40		0.49	.0128	0.55	2.782	3.36	861.49	858.13
F-I	Mary St.	31+56.76	39+02	745.24	23.6	126.40		0.09	.0222	0.72	3.663	6.55	892.00	875.45

1151A

NAME OF SYSTEM **MAGNOLIA CENTER, WASHINGTON & CASA BLANCA SEWER SYSTEM** SHEET # **4**

DATE *August 1934*

Line Number	Street	From Manhole Number	To Manhole Number	Length Feet	Tributary Area		Minimum rate of sewage flow		Slope of sewer, S	Diameter of sewer, D, inches	Capacity when full, C, c.f.s.	Velocity when full, V, feet per second	Fall in sewer, feet	Elevation of sewer invert	
					Increment Acres	Total Acres	Domestic and ground water from curve, mgd	Total c.f.s.						Upper end	Lower end
E-1	Marmian Way	0+22	8+023	780.25	2.25	4.25		0.02	.0044	0.32	1.632	3.43	806.43	803.00	
E-1	Marmian Way	0+00	0+22	22.0	0.0	4.25		0.02	.0044	0.30	1.555	0.09	798.65	798.56	
B	Archway	6+682	7+052	370		6.110		2.36	.0050	4.37	3.565	0.18	798.55	798.37	
	I.Q. Archway to Marmian Way														
S-5	Arlington Ave.	7+34	15+30	796.0				0.24	.0086	0.45	2.281	6.85	837.07	830.22	
S-5	Arlington Ave.	4+043	7+34	329.62	6.30			0.24	.0144	0.58	2.952	4.75	830.22	825.47	
F-1	Magnolia Ave.	0+00	1+32	132.0	1.0	6.40		0.01	.0120	0.53	2.694	1.58	827.05	825.47	
S-5	Magnolia Ave.	0+00	4+043	404.38	6.40			0.25	.0098	0.48	2.435	3.96	825.47	821.51	
N	Tibbets Ave.	12+059	20+98	892.11	8.65	72.65		0.03	.0056	0.36	1.841	5.00	823.00	823.00	
N	Magnolia Ave.	11+571	17+95	624.74	0.90	73.55		0.28	.0072	0.41	2.089	5.77	821.51	817.74	
O	McCray St.	0+00	7+00	700.0	4.05	77.60		0.02	.0040	0.30	1.555	2.480	820.54	817.74	
N	Magnolia Ave.	1+0161	6+5187	550.26	1.1	78.7		0.30	.0072	0.41	2.087	3.96 V	817.74	813.78	
R	Brockton Ave.	4+743	13+297	854.64											
R	Brockton Ave.	0+00	4+743	474.38	11.15			0.04	.0180	0.65	3.300	15.38	835.93	820.55	
P	Brockton Ave.	5+5019	12+26	675.81	35.55	46.70		0.04	.0096	0.47	2.410	4.55	820.55	816.00	
P	Nelson St.	2+0534	5+5019	344.85	73.6	120.30		0.14	.0040	0.30	1.555	2.70	816.68	813.98	
Q	Thomas St.	0+00	2+75	275	1.1	121.4		0.46	.0040	0.63	1.960	1.38	813.98	812.60	
P	Nelson St.	0+00	2+0534	205.34	1.3	122.7		0.01	.0116	0.52	2.649	3.19	815.79	812.60	
	I.Q. at Magnolia Ave. (1+0161 N. line)							0.47	.0040	0.63	1.960	0.82	812.60	811.78	
N	Across Magnolia	0+00	1+0161	101.61		201.4									
M	Magnolia Ave.	6+65	9+79	314.0				0.78	.0240	1.68	4.802	2.44	811.78	809.34	
M	Magnolia Ave.	0+3743	6+65	627.57	2.6			0.01	.0128	0.55	2.783	4.02	819.47	815.45	
M	Magnolia Ave.	0+00	0+3743	374.3		204.0		0.01	.0040	0.30	1.555	2.51	815.45	812.94	
L-W	Magnolia Ave.	17+5699	27+85	1028.91	33.4			0.79	.0040	1.27	2.331	0.15	809.34	809.19	
X	Sunnyside Drive	0+00	3+20	320.0	2.0	35.4		0.14	.0056	0.81	2.300	5.76	822.95	817.19	
L-W	Magnolia Ave.	14+62	17+5699	294.09	22.2	57.6		0.01	.0062	0.38	1.937	1.98	821.98	820.00	
L-W	Magnolia Ave.	5+7913	14+62	882.47	2.0	59.6		0.22	.0056	0.81	2.300	1.65	817.19	815.54	
L-V	Magnolia Ave.	9+80	22+37	1257.0	5.1			0.23	.0040	0.68	1.960	3.543	815.54	812.01	
L-V	Magnolia Ave.	0+00	9+80	980.0				0.02	.0056	0.81	2.300	7.04	822.97	815.93	
L-W	Magnolia Ave.	0+00	5+7913	579.73	6.47			0.02	.0040	0.68	1.960	3.92	815.93	812.01	
L	Magnolia & School	4+65	5+9017	124.67	6.47			0.25	.0040	0.68	1.960	2.32	812.01	809.69	
L	School Circle	0+00	4+65	465.5	6.47			0.25	.0040	0.68	1.960	0.50	809.69	809.19	
K	School Circle	3+8293	14+75	1092.07	4.6			1.04	.0040	2.12	2.700	1.86	809.19	807.33	
K	School Circle	0+00	3+8293	382.93		268.7		0.02	.0040	0.30	1.555	4.37	812.97	808.60	
H	Palm Ave.	11+21	17+19	598.0	6.25			1.05	.0040	2.12	2.700	1.53	807.33	805.80	
I	McCray St.	0+00	2+85	285.0	6.65			0.02	.0094	0.47	2.398	5.62	819.84	814.22	
H	Palm Ave.	9+0241	11+21	218.59	1.0	7.65		0.01	.0062	0.38	1.937	1.77	815.99	814.22	
J	Luther St.	0+00	4+00	400.0	0.9	8.55		0.03	.0094	0.47	2.398	2.06	814.22	812.16	
H	Palm Ave.	2+2542	9+0241	677.99	2.5	11.05		0.01	.0060	0.37	1.905	2.40	814.56	812.16	
H	Palm Ave.	0+00	2+2542	225.42		284.35		0.04	.0094	0.47	2.398	6.36	812.16	805.80	
E	Palm Ave.	13+2745	18+37	509.65	2.1			1.10	.0094	1.97	3.598	2.12	805.80	803.68	
E	Marmian Way	0+00	13+2745	327.45	8.4	295.45		0.01	.0040	0.30	1.555	2.04	810.04	809.00	
						906.55		1.14	.0040	2.12	2.700	5.31	803.68	798.37	

ENGINEERING DEPT. CITY OF RIVERSIDE CALIF.
 NAME OF SYSTEM **MAGNOLIA CENTER WASHINGTON & CASA BLANCA SEWER SYSTEM** SHEET **3**

DATE *August 1934*

Line Number	Street	From Manhole Number	To Manhole Number	Length, Feet	Tributary Area		Maximum rate of sewerage flow		Slope of sewer, S.	Diameter of sewer, D, inches.	Capacity when full, Q, c.f.s.	Velocity when full, V, feet per second.	Fall in sewer, feet.	Elevation of sewer invert	
					Increment Acres.	Total Acres.	Domestic and ground water from curbs, mgd.	Total c.f.s.						Upper end	Lower end
J-J	Leland Ave.	0+00	6+00	600	12.0	35.6		0.05	0.052	0.35	1.774	3/2	878.57	875.45	
I-I	Mary St.	25+26.38	31+56.76	30.38	0.7	36.3		0.14	0.282	0.81	4.131	17.77	875.45	857.68	
L-L	Indiana Ave.	3+00	6+00	300.0				0.02	0.100	0.43	2.460	3.00	865.06	862.06	
L-L	Indiana Ave.	0+00	3+00	300.0	5.4	41.7		0.02	0.146	0.58	2.972	4.38	862.06	857.68	
I-I	Mary St.	24+96.38	25+26.76	30.0				0.16	0.282	0.81	4.131	0.85	857.68	856.83	
M-M	Indiana Ave.	0+00	8+10	810.0	10.7	52.4		0.04	0.040	0.30	1.555	3.21	860.07	856.83	
I-I	Mary St.	15+25.80	24+96.38	970.58	5.25	57.65		0.22	0.064	0.39	1.968	6.21	856.83	850.62	
I-I	Canal Ave.	7+88.55	15+25.80	737.28	1.0	58.65		0.23	0.032	0.61	1.753	2.36	850.62	848.26	
K-K	Harding St.	0+00	11+40	1140.0	10.2	68.85		0.04	0.124	0.54	2.732	1.74	862.40	848.26	
I-I	Canal Ave.	3+62.22	7+88.55	426.3	0.3	69.15		0.27	0.032	0.61	1.753	1.36	848.26	846.90	
I-I	Canal Ave.	0+00	3+62.22	362.22	6.45	75.60		0.29	0.032	0.61	1.753	1.14	846.90	845.74	
	T.O. "H-H" Line at Washington St. (17-5745)					126.40									
						202.0									
H-H	Washington St.	15+29.35	17+57.45	228.1	1.1	203.1		0.78	0.186	1.48	4.227	4.26	845.74	841.48	
H-H	Orchard St.	9+18	15+29.35	611.35				0.82	0.040	1.27	2.331	2.85	841.48	839.03	
H-H	Orchard St.	0+00	9+18	918.00	9.5	212.6		0.82	0.056	1.45	2.659	5.14	839.03	833.89	
	T.O. "C-C" Line Hoover St. (44+0867)					308.45									
						521.05									
C-C	Hoover St.	44+35	44+08.67	273.67				2.10	0.229	3.04	5.580	6.28	833.88	827.60	
C-C	Hoover St.	30+52.35	41+35	1082.65	24.35	545.40		2.10	0.070	2.80	3.568	7.58	827.60	820.02	
C-C	Magnolia Ave.	24+46.74	30+52.35	605.61	1.8	547.20		2.11	0.046	2.27	2.893	2.79	820.02	817.23	
R-R	Mt Vernon St.	6+78.97	13+00	621.03	4.35	43.2		0.02	0.064	0.39	1.968	3.97	835.95	831.98	
	Delaware St. (No Line)				4.35	87									
R-R	Private property	3+32.06	6+78.97	339.91		87		0.03	0.128	0.55	2.783	4.35	831.98	827.63	
G-G	Potomac St.	3+00	6+25	325				0.02	0.108	0.50	2.556	3.51	832.52	829.01	
G-G	Potomac St.	0+00	3+00	300	4.35	130.5		0.02	0.046	0.33	1.668	4.38	829.01	827.63	
R-R	Private property	0+00	3+39.05	339.06		130.5		0.05	0.0637	0.38	1.180	2.16	827.63	825.47	
F-F	Washington St.	9+24.25	15+00	575.75	4.6			0.02	0.100	0.48	2.460	5.76	834.06	828.30	
F-F	Magnolia Ave.	2+17.18	9+24.25	706.47	4.35	89.5		0.03	0.040	0.30	1.555	2.83	828.30	825.47	
F-F	Magnolia Ave.	0+00	2+17.18	217.18		22.00		0.08	0.040	0.30	1.555	0.87	825.47	824.60	
	T.O. "C-C" Line Magnolia Ave. (24+46.74)					569.2									
C-C	El Hijo St.	21+16.35	24+46.74	330.39	1.0	570.2		2.20	0.046	2.27	2.893	1.52	817.23	815.71	
F-F	Alley	0+00	7+50	750	7.6	578.0		0.03	0.040	0.30	1.555	3.30	823.30	820.30	
C-C	El Hijo St.	14+85.17	21+16.35	631.18		578.0		2.23	0.046	2.27	2.893	2.90	815.71	812.81	
D-D	Arlington Ave.	11+20	14+00	280.0				0.04	0.042	0.31	1.594	1.18	826.98	825.80	
D-D	Arlington Ave.	0+00	11+20	1120.0	9.3	587.3		0.04	0.116	0.52	2.649	12.99	825.80	812.81	
C-C	Private property	0+00	14+85.17	1485.17		587.3		2.27	0.040	3.91	3.189	5.94	812.81	806.87	
B	Sierra St.	13+24.10	24+68	1033.9	12.85	600.15		0.05	0.040	0.30	1.555	4.58	811.45	806.87	
B	Arch Way	10+06.02	13+24.10	218.08		600.15		2.32	0.040	3.91	3.189	1.27	806.87	805.60	
C	Fig St.	8+01.45	9+65	163.35		600.15		0.03	0.122	0.53	2.717	1.99	808.99	807.00	
C	Orange Vista	0+00	8+01.45	801.65	6.7	606.85		0.03	0.048	0.33	1.704	3.31	803.91	800.80	
B	Arch Way	7+05.92	10+06.02	300.10		606.85		2.34	0.050	4.37	3.565	1.50	800.06	798.55	
E-I	Marmian Way	8+02.25	10+82.25	280.0	1.0			0.01	0.044	0.32	1.632	1.24	807.67	806.43	
D	Fig St.	0+00	2+10	210.0	1.0	2.0		0.01	0.044	0.32	1.632	1.19	806.43	803.60	

806.43

ENGINEERING - DEPT. CITY OF RIVERSIDE CALIF.

DATE August 1934

NAME OF SYSTEM MAGNOLIA CENTER, WASHINGTON & CASA BLANCA SEWER SYSTEM

SHEET # 5

Line Number	Street	From Manhole Number	To Manhole Number	Length Feet	Tributary Area		Maximum rate of sewage flow		Slope of sewer S	Diameter of sewer D, inches	Capacity when full, c.f.s.	Velocity when full, feet per second	Fall in sewer feet	Elevation of sewer invert	
					Increment Acres	Total Acres	Domestic and ground water from curve, mgd	Total c.f.s.						Upper end	Lower end
	T.O. at 6+68 1/2 "B" Line					906.55									
B	Arch Way	0+00	6+68 1/2	668.92	30	909.55		3.51	0.050	15"	4.37	3.565	3.34	798.37	795.03
	T.O. Arch Way to Central					909.55									
X-X	Indiana Ave. ✓	10+16 1/2	15+00	483.47	20.0			0.08	0.060	6"	0.37	1.906	2.90	859.98	857.08
X-X	Indiana Ave. ✓	4+65 1/2	10+16 1/2	850.88	25.0	45.0		0.17	0.048	6"	0.33	1.704	4.08	857.08	853.00
X-X	Indiana Ave. ✓	0+00	4+65 1/2	165.65	25.0	70.0		0.27	0.020	6"	0.80	4.116	4.80	853.00	848.20
						70.0									
A	Riverside Ave. ✓	86+36	106+19 1/2	1983.25	41.0			0.16	0.090	6"	0.46	2.334	17.85	848.20	830.35
A	Riverside Ave. ✓	79+74 1/2	86+36	661.52		110.0		0.42	0.040	8"	0.68	1.960	2.64	830.35	827.71
A	Central Ave. ✓	53+19 1/2	79+74 1/2	2654.53	19.7	130.7		0.51	0.040	8"	0.68	1.960	10.62	827.71	817.09
S	Brockton Ave. ✓	11+24 1/2	13+00	175.56	0.5			0.01	0.040	6"	0.30	1.555	0.70	822.29	821.59
T	Merrill Ave. ✓	0+00	5+50	555.0	3.1	3.6		0.01	0.040	6"	0.30	1.555	2.20	823.79	821.59
S	Brockton Ave. ✓	7+48 1/2	14+24 1/2	375.76	1.0	4.6		0.02	0.040	6"	0.30	1.555	1.51	821.59	820.08
U	Beatty Dr. ✓	0+00	3+00	300.0	1.3	5.9		0.01	0.040	6"	0.30	1.555	1.20	821.28	820.08
S	Brockton Ave. ✓	0+00	7+48 1/2	748.68	1.3	7.2		0.03	0.040	6"	0.30	1.555	2.99	820.08	817.09
						137.9									
A	Central Ave. ✓	39+25 1/2	53+19 1/2	2324.70	5.1	143.0		0.55	0.054	8"	0.79	2.278	7.15	817.09	809.94
A	Central Ave. ✓	31+25 1/2	39+25 1/2	799.40	3.6	146.6		0.56	0.082	8"	0.98	2.807	6.56	809.94	803.38
	Calvin Court					148.6									
A	Central Ave. ✓	29+30 1/2	31+25 1/2	264.95	0.6	149.2		0.57	0.106	8"	1.12	3.191	2.81	803.38	800.57
F	Cumberland Ct. ✓	0+00	5+25	525.0	2.0	151.2		0.01	0.086	6"	0.39	2.000	3.46	804.03	800.57
A	Central Ave. ✓	26+88 1/2	29+30 1/2	242.80	0.6	151.8		0.59	0.106	8"	1.12	3.191	2.57	800.57	798.00
A	Central Ave. ✓	26+88 1/2	26+88 1/2	20.0		106.135		0.59	0.070	8"	0.90	2.630	0.14	795.17	795.03
A	Central Ave. ✓	0+00	26+88 1/2	2668.10	20.0	1081.35		4.17	0.068	15"	5.10	4.158	18.14	795.03	716.89

1151A

CITY OF RIVERSIDE
ENGINEERING DEPARTMENT

PLAN AND PROFILE OF
**MAGNOLIA CENTER, WASHINGTON
AND
CASA BLANCA SEWER DISTRICT**

Scales { Plan: 1 in.=100 Ft.
Profile: Hor. 1 in.=100 Ft. Vert. 1 in.=6 Ft.

Elevations shown hereon are U. S. G. S. datum.

Approved *[Signature]* City Engineer.

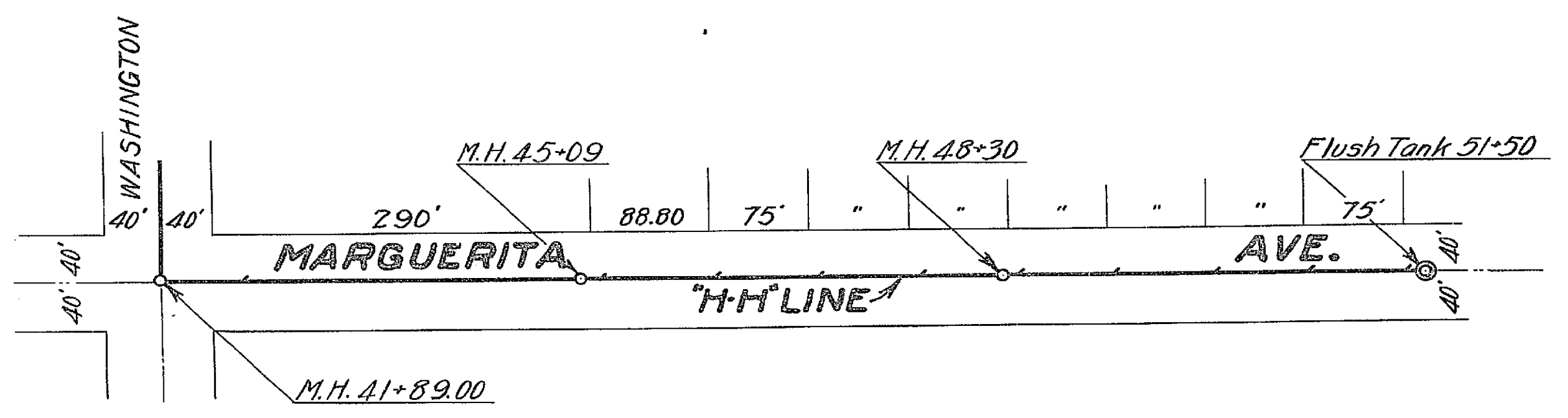
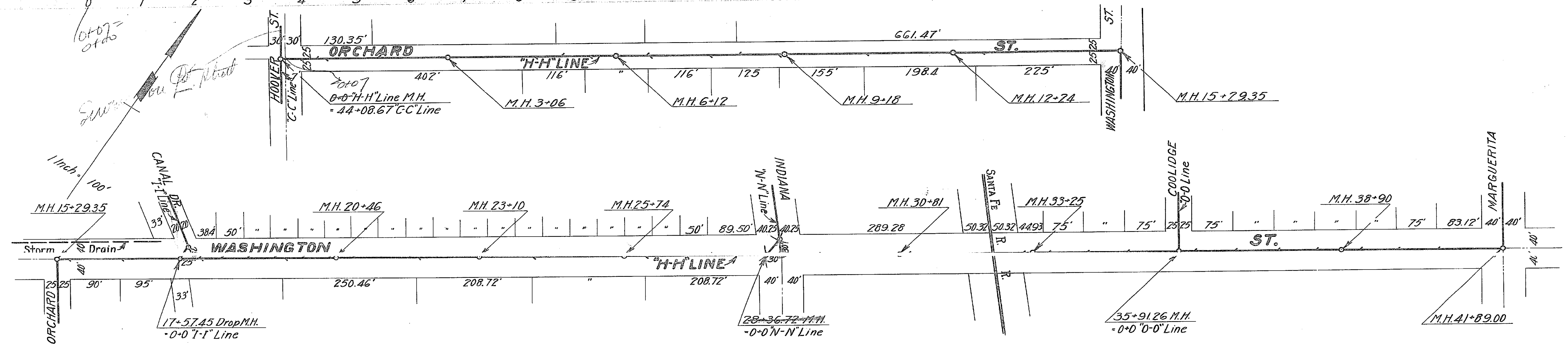
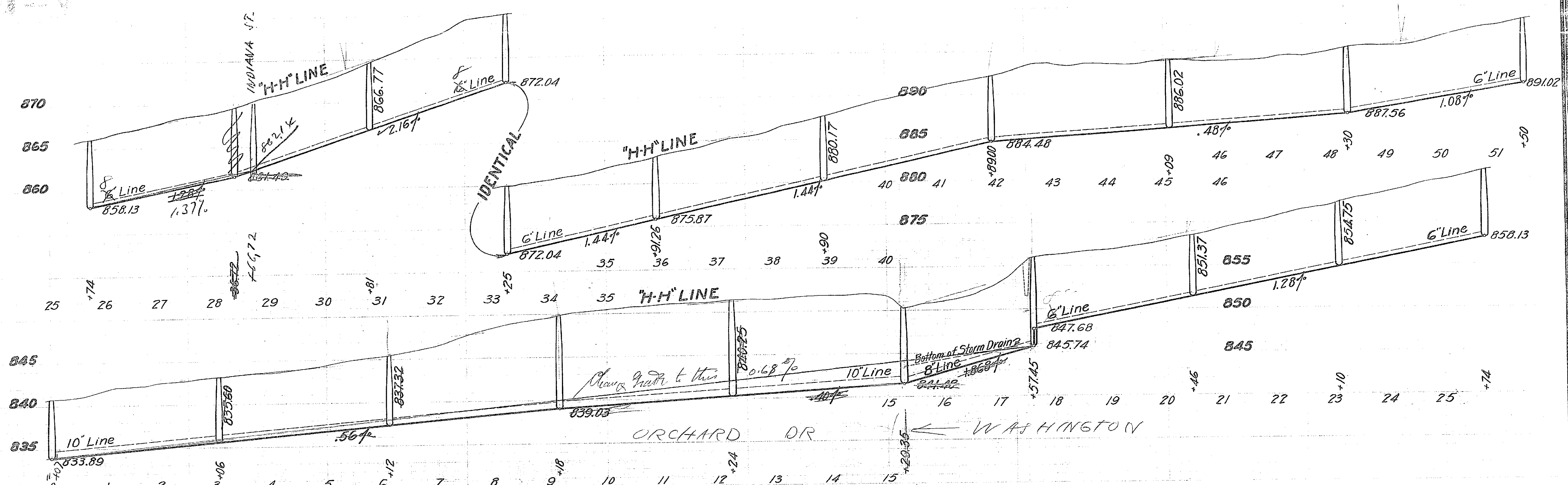
Approved and adopted by the Mayor and Council of the
City of Riverside this _____ day of _____

City Clerk.

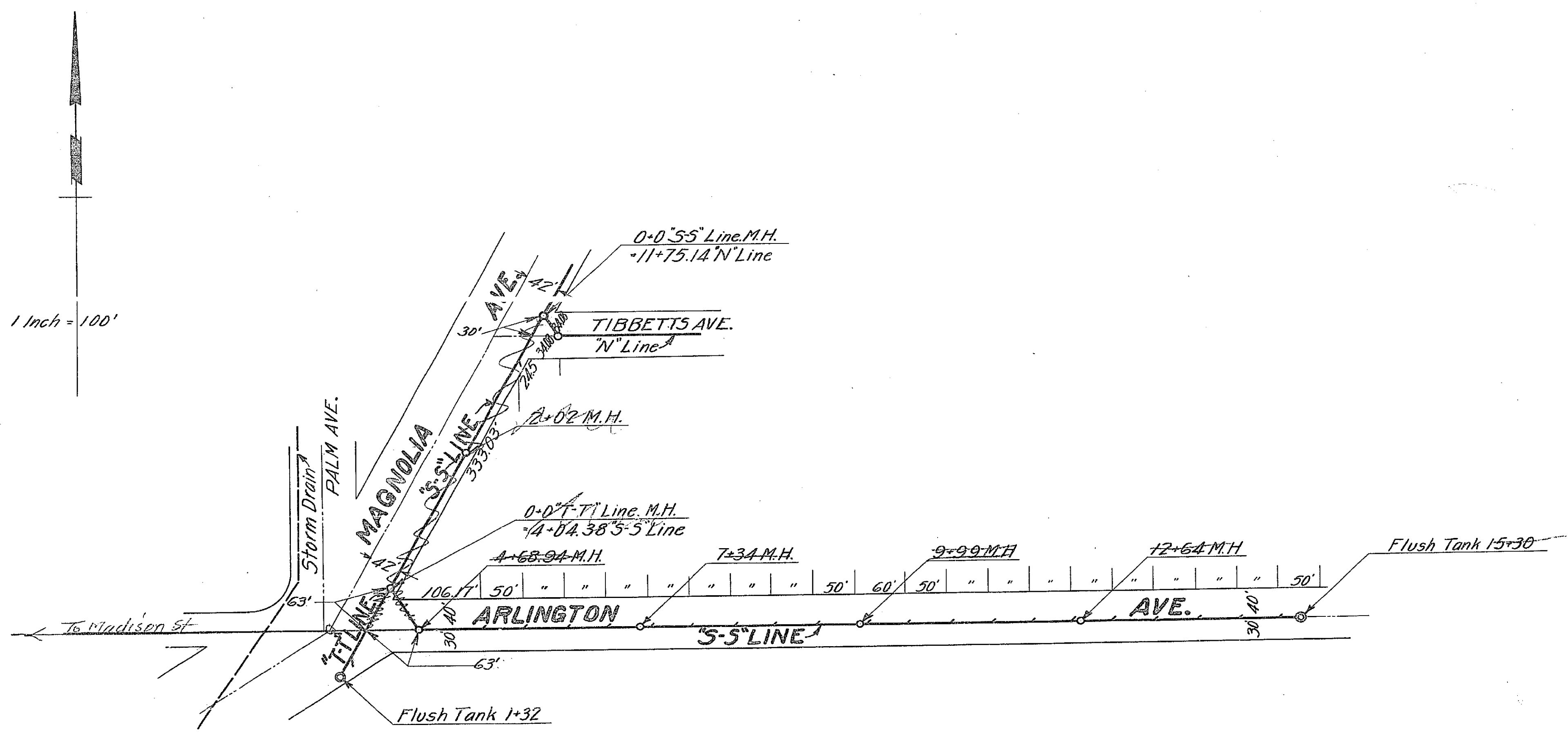
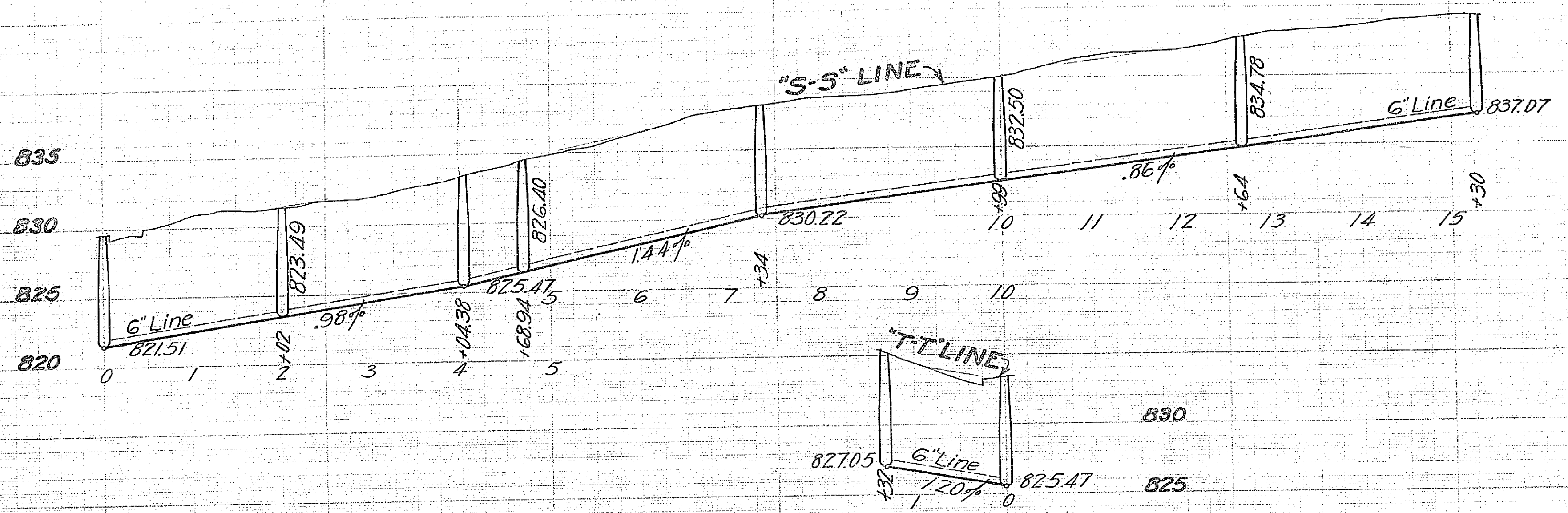
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