

FED. RD. DIST. NO.	STATE	PROJECT	FISCAL YEAR
10	OHIO		1943

LUCAS COUNTY
S.H. 21 SEC. G

STATE OF OHIO DEPARTMENT OF HIGHWAYS TOLEDO-ANGOLA ROAD S.H. 21, SEC. G (PT.) LUCAS COUNTY RICHFIELD AND SYLVANIA TOWNSHIPS

CONVENTIONAL SIGNS

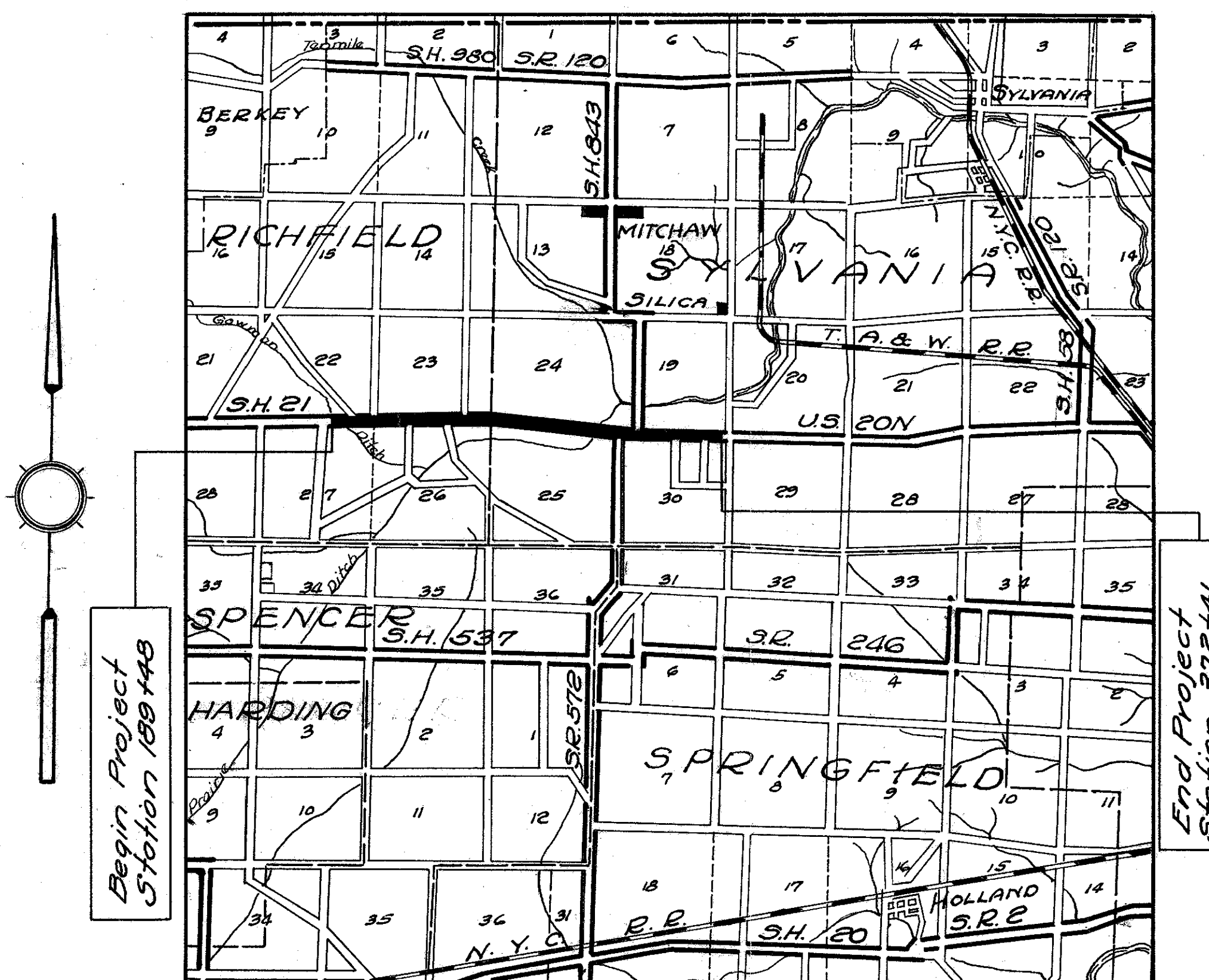
COUNTY LINE	-----
TOWNSHIP LINE	-----
SECTION LINE	-----
CORPORATION LINE	-----
PROPERTY LINE	-----
FENCE LINE	-----
CENTER LINE	-----
STEAM RAILROAD	-----
POLE LINE	-----
HEDGE	-----
DRAIN PIPE (NEW)	-----
DRAIN PIPE (OLD)	-----
GUARD RAIL (NEW)	-----

INDEX OF SHEETS

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TYPICAL SECTION & GENERAL NOTES	2
PLAN & PROFILE	3-20
CROSS SECTIONS	21-22
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LINE DATA

Begin Project Station 189+45
 End Project Station 372+41
 Net Length of Project 18,293 Lin. Ft. or 3.464 Miles
 Additions or Deductions - None



AVERAGE HAUL ~ 3.0 MILES
DELIVERY POINT ~ SILICA

LOCATION PLAN

Scale 1"=1 Mile

PORTION TO BE IMPROVED
 STATE HIGHWAYS
 OTHER ROADS

SCALES

PLAN	1" = 50'
PROFILE HORIZONTAL	1" = 50'
PROFILE VERTICAL	1" = 5'
CROSS SECTIONS	1" = 5'

The Standard Specifications of the State of Ohio Department of Highways, including changes and Supplemental Specifications listed in the proposal shall govern this improvement.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway and that provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates.

The right of way necessary for this improvement will be provided by the State of Ohio.

Approved Date 3/18/43 Resident Division Deputy Director

Approved _____ Date _____ Chief Engineer, Bureau of Maintenance.

Approved _____ Date _____ Chief Engineer, Bureau of Bridges & R.R. Crossings.

Approved Date 3-25-43 Chief Engineer, Bureau of Location & Right of Way.

Approved Date 3-26-43 First Asst. Director & Chief Engineer.

Approved Date 3-26-43 Director of Highways.

STANDARD DRAWINGS			
I-8 CB 1-2-A&B	3-10-42	E-5 N ^o 1	7-1-40
I-8 CB 2-2-A&B	3-10-42		
I-8 CB 1-3 & 1-4	12-15-41		
G-7.07	6-1-42		
I-1, 2, 3, 4, & 5	3-1-39		

SUPPLEMENTAL SPECIFICATIONS
NONE



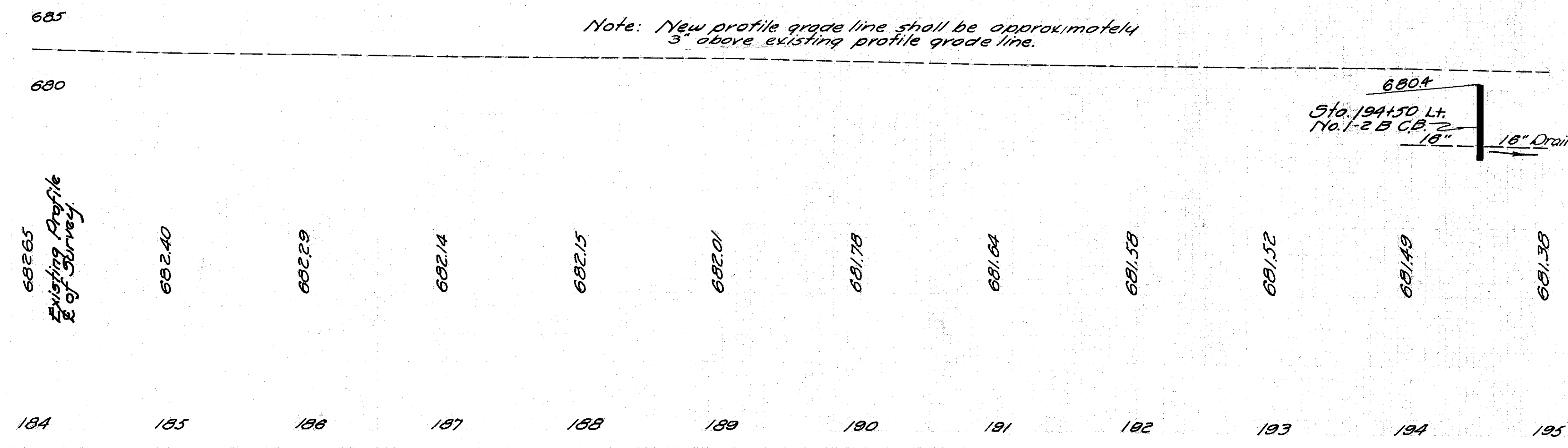
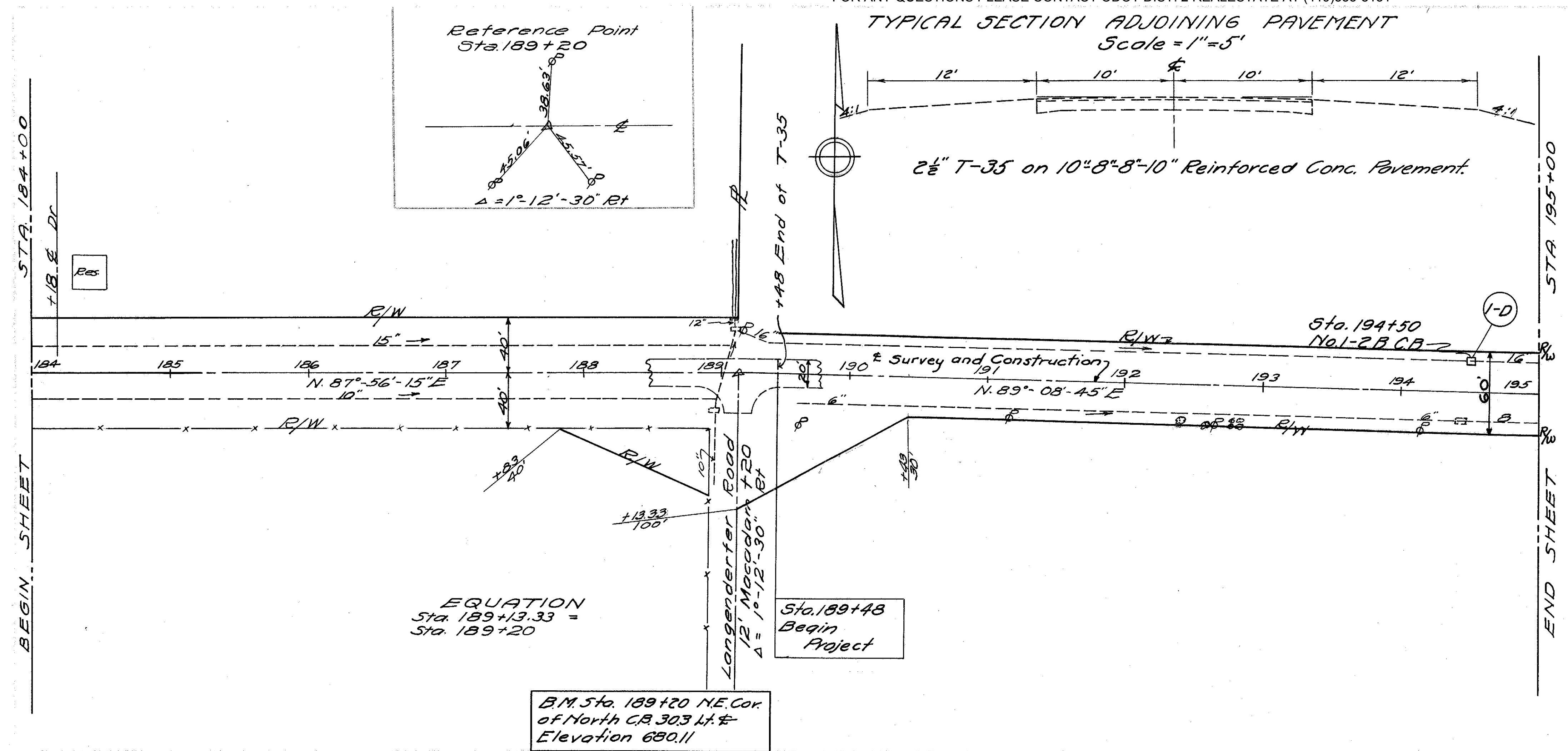
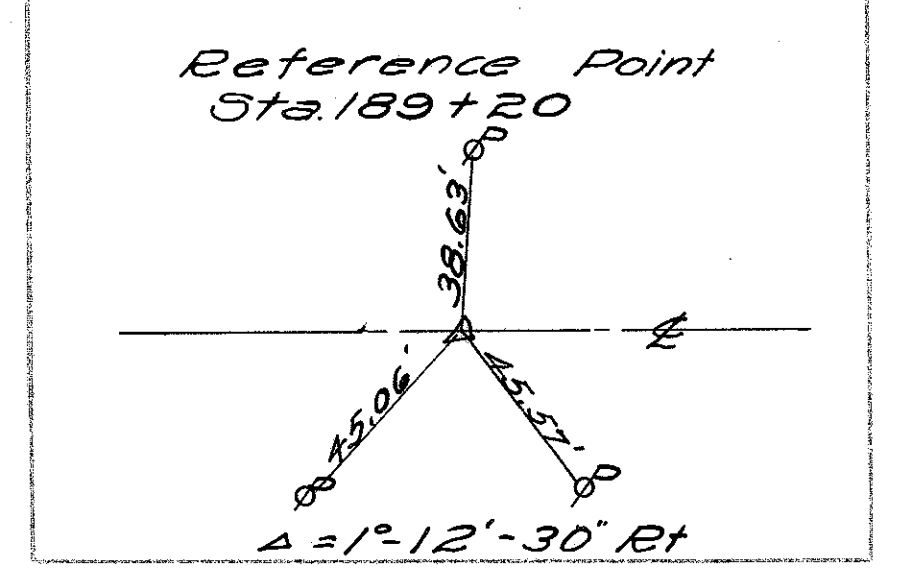
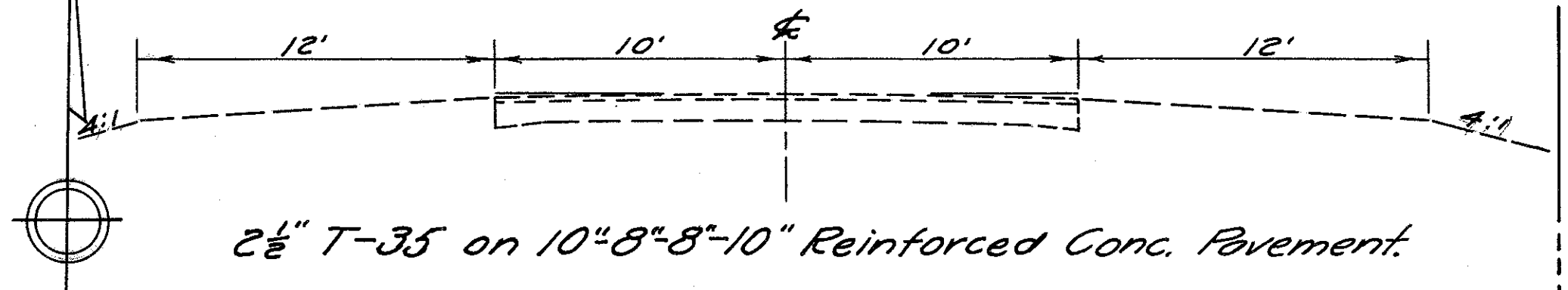
FILE No.	LUCAS COUNTY S.H. 21 SEC. G (Pt.) DATE OF LETTING _____ CONTRACT No. _____
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LUCAS COUNTY
SH. 21 SEC. 6 (PT)

ROADWAY DRAINAGE "D"

Ref. No.	Station	Side	I-B No. 1-2 B Catch Basin Each	Remarks
I-D	194+50	Lt.	1	Build on existing Drain Line.
Totals			1	

TYPICAL SECTION ADJOINING PAVEMENT
Scale = 1"=5'



Note: New profile grade line shall be approximately 3" above existing profile grade line.

680.4
Sta. 194+50 Lt.
No. 1-2 B C.B. 2
16" Drain

682.65
Existing Profile E of Survey

682.40
682.20
682.14
682.09
682.01
681.78
681.64
681.58
681.52
681.49
681.38

184 185 186 187 188 189 190 191 192 193 194 195

LUCAS COUNTY
SH. 21 SEC. G (PT)

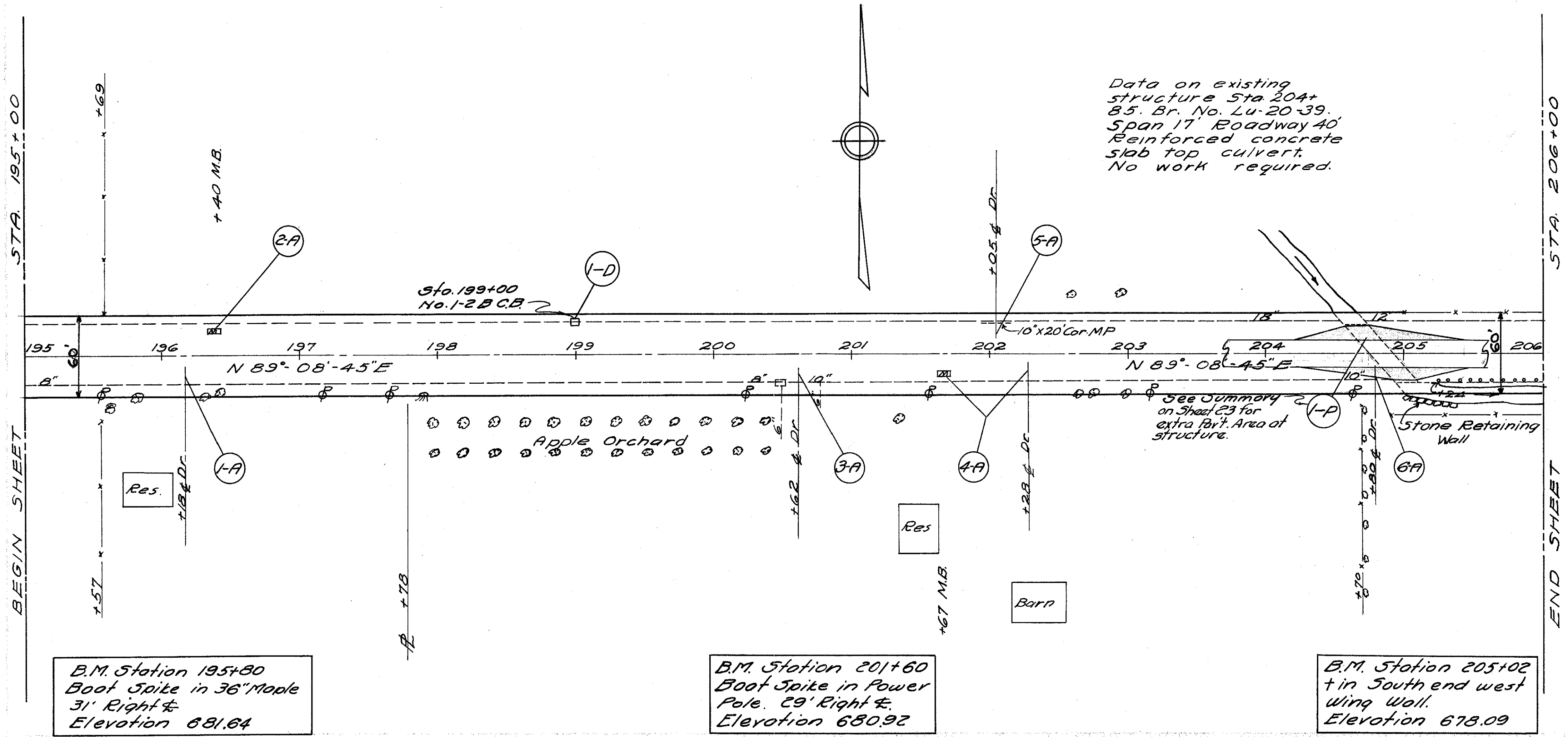
SIDE APPROACHES "A"

Ref. No	Station		Side	I-17 Aggre- gate Cu.Yds	Remarks
	From	To			
1-A	196+18		Rt.	0.5	Drive
2-A	196+40		Lt.	1.0	Mail Box
3-A	200+82		Rt.	0.5	Drive
4-A	201+87	202+28	Rt.	1.5	Drive & Mail Box
5-A	202+05		Lt.	0.5	Drive
6-A	204+80		Rt.	0.5	Drive
Total				4.5	

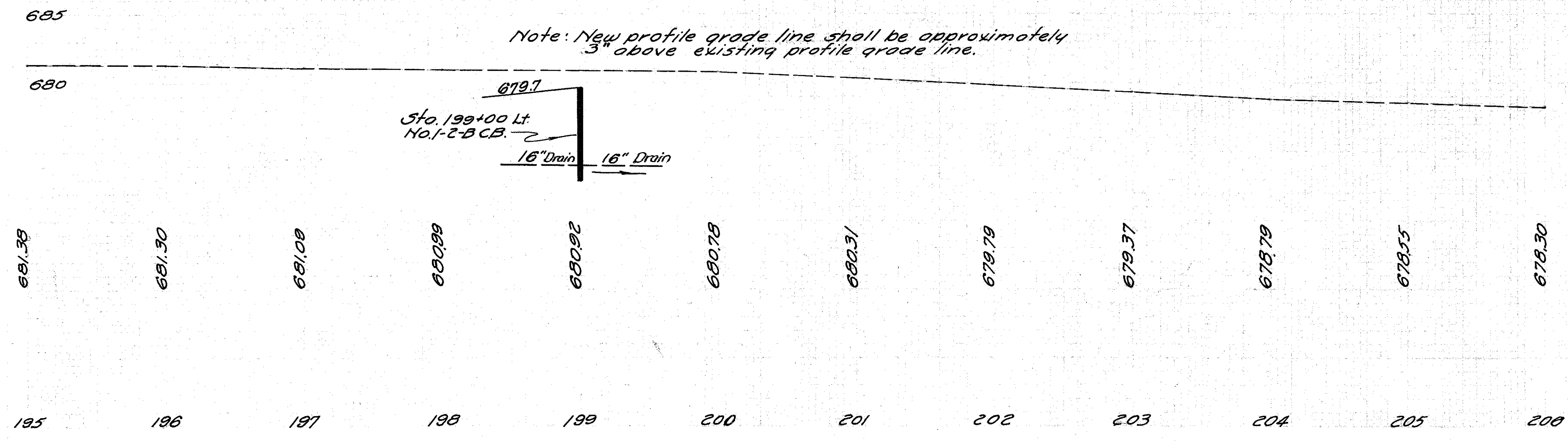
ROADWAY DRAINAGE "D"

Ref. No	Station		Side	I-8 No. I-2B Catch Basin Each	Remarks
	From	To			
1-D	199+00		Lt.	1	Build on existing Drain Line
Totals				1	

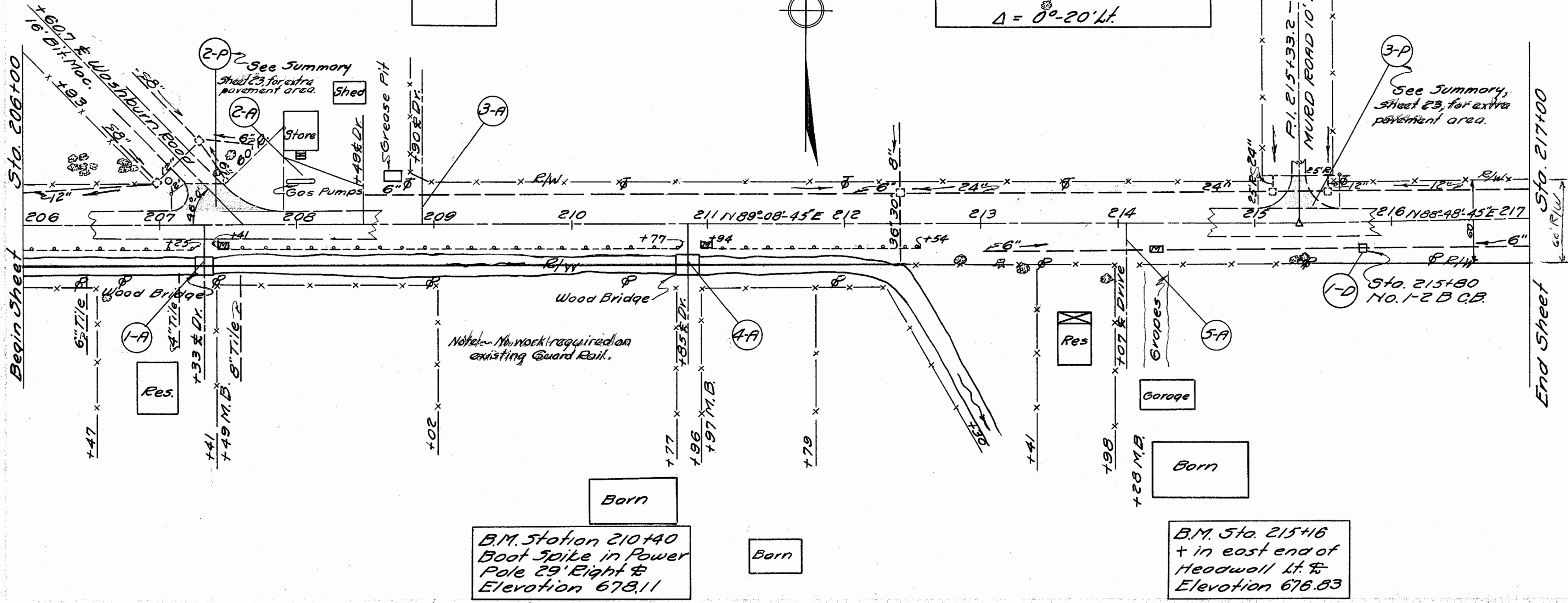
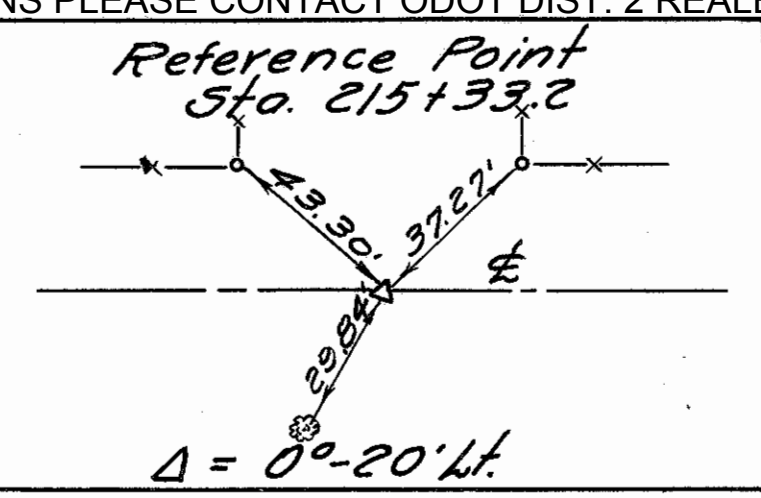
Data on existing structure Sta 204+
85. Br. No. Lu. 20-39.
Span 17' Roadway 40'
Reinforced concrete
slab top culvert.
No work required.



Note: New profile grade line shall be approximately 3" above existing profile grade line.



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SIDE APPROACHES "A"

Ref. No.	Station		Side	I-17 Aggregate Cu.Yds.	Remarks
	From	To			
1-A	207+33	207+49	Rt.	1.5	Drive & Mail Box
2-A	207+50	208+49	Lt.	5.0	Gas Station & Drive
3-A	208+90		Lt.	0.5	Drive
4-A	210+85	210+97	Rt.	1.5	Drive & Mail Box
5-A	214+07	214+08	Rt.	1.5	Drive & Mail Box
Totals				10.0	

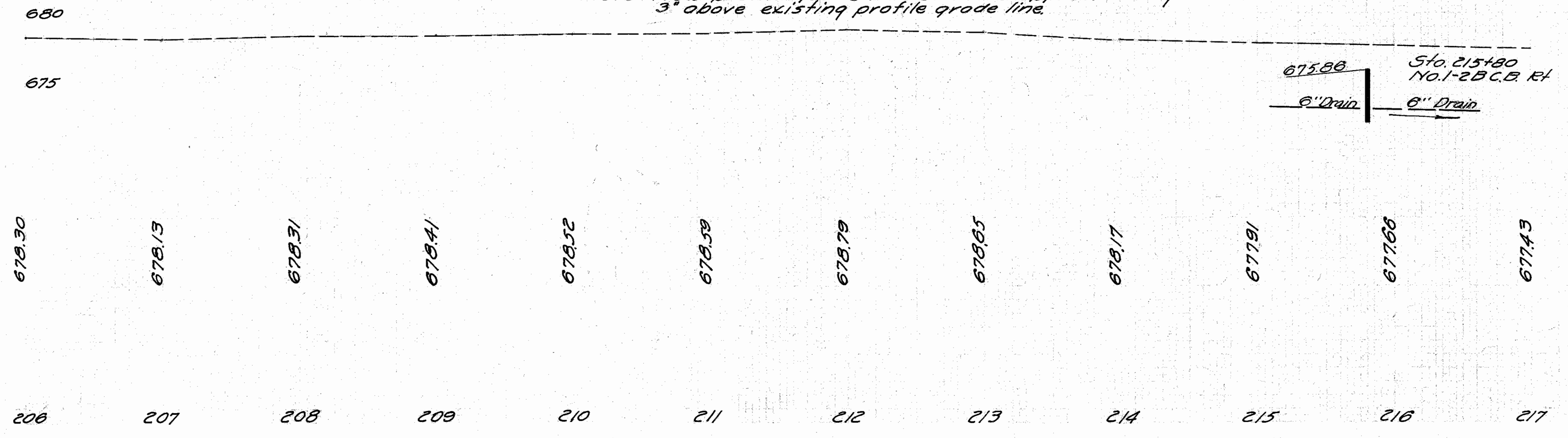
ROADWAY DRAINAGE "D"

Ref. No.	Station		Side	I-B No. 1-2 B.C.B. Basin Each	Remarks
	From	To			
1-D	215+80		Rt.	1	Build on existing Drain Line
Totals				1	

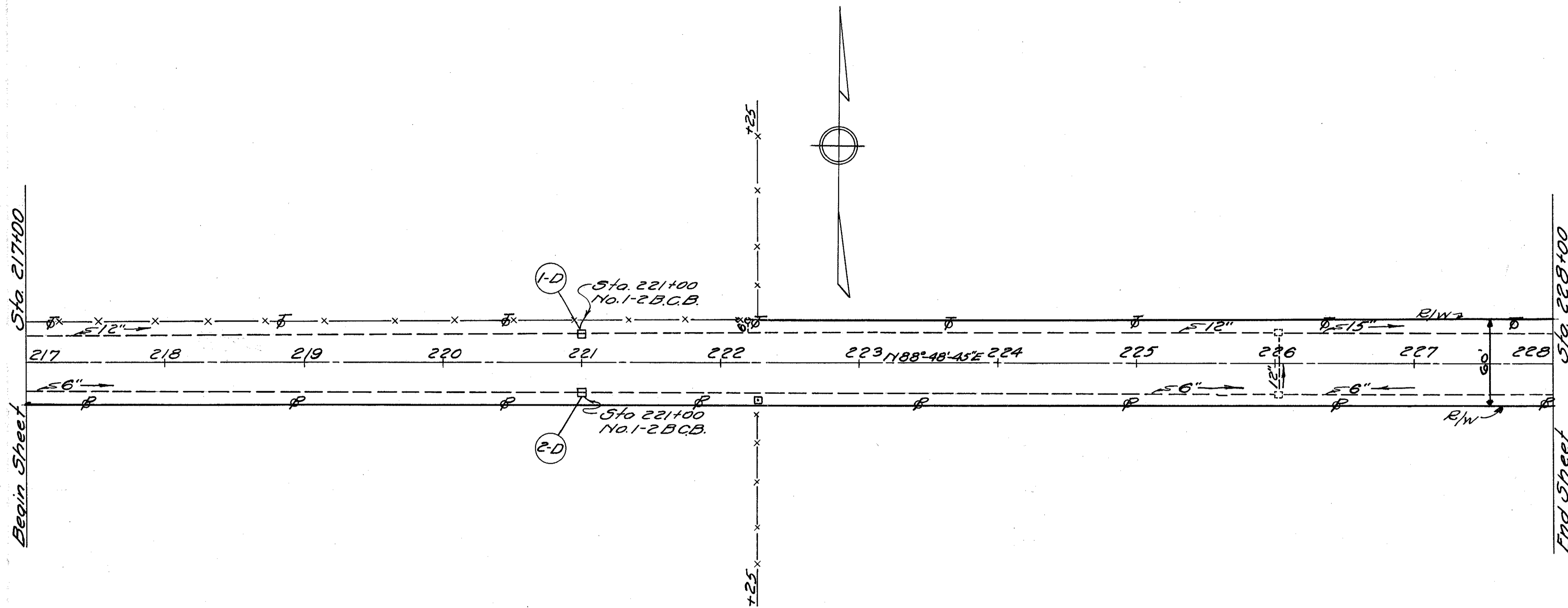
B.M. Station 210+40
 Bolt Spike in Power Pole 29' Eight &
 Elevation 678.11

B.M. Sta. 215+16
 + in east end of
 Headwall Lt. &
 Elevation 676.83

Note: New profile grade line shall be approximately 3" above existing profile grade line.



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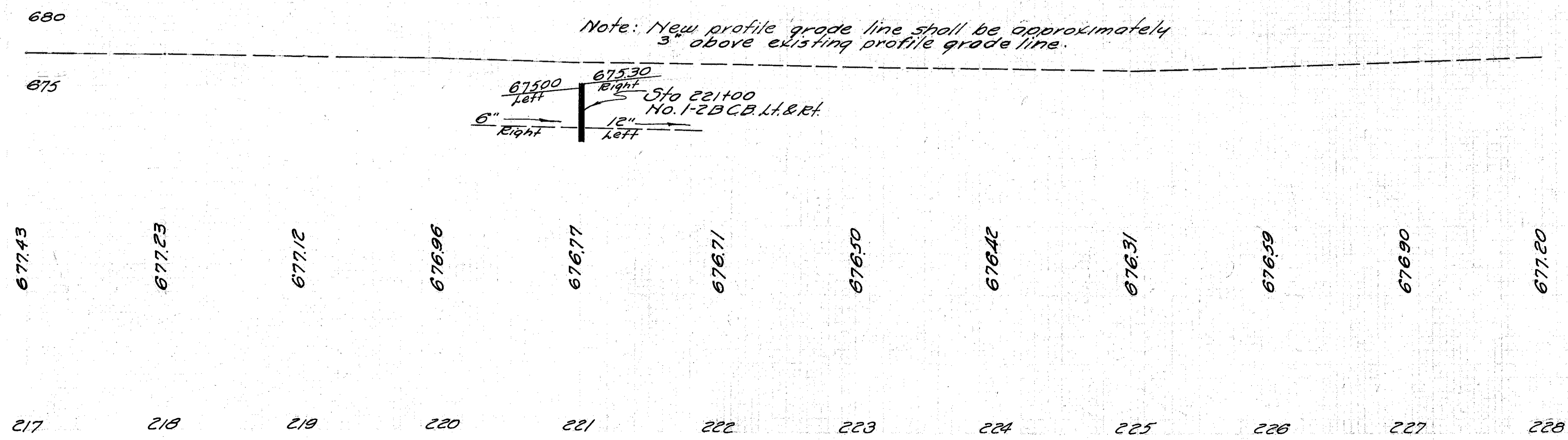


ROADWAY DRAINAGE 'D'

Ref No.	Station		Side	I-B No. of Catch Basin	Remarks
	From	To			
1-D	221+00		Lt.	1	Build on existing Drain Line
2-D	221+00		Rt.	1	Build on existing Drain Line
Totals				2	

B.M. Station 221+85
 Boat Spike in Power Pole. 29' Eight ft.
 Elevation 676.58

Note: New profile grade line shall be approximately 3" above existing profile grade line.



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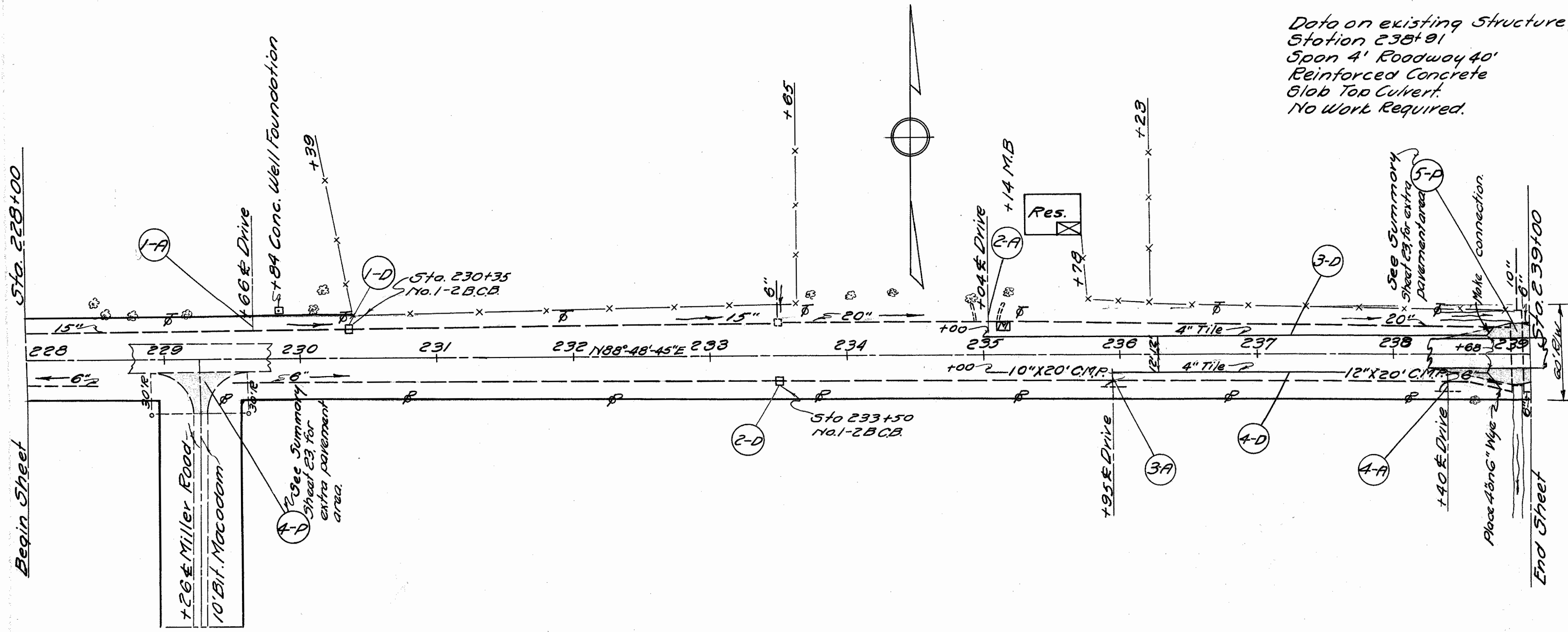
Data on existing Structure
 Station 238+91
 Span 4' Roadway 40'
 Reinforced Concrete
 Glob Top Culvert
 No Work Required.

SIDE APPROACHES "A"

Ref. No.	Station	Side	I-17	Remarks
			Aggregate	
From To			Cu.Yds.	
1-A	229+66	Lt.	0.5	Drive
2-A	235+04 235+14	Lt.	1.5	Drive & Mail Box
3-A	235+95	Rt.	0.5	Drive
4-A	238+40	Rt.	0.5	Drive
Totals			3.0	

ROADWAY DRAINAGE "D"

Ref. No.	Station	Side	I-4	I-5	I-8	Remarks
			Pipe Underdrain	Pipe 50 pieces Each	No. 1-2B Catch Basin	
From To			Lin. Ft.	4" x 4" Wyes Bends	Each	
1-D	230+35	Lt.	4'		1	Build on existing Drain Line
2-D	233+50	Rt.			1	Build on existing Drain Line
3-D	235+00 238+68	Lt.	377	1		Extra pipe for distance Pipe Bend to 20' Drain. Make connection to 20' Line
4-D	235+00 238+68	Rt.	383	1		Extra pipe for distance Pipe Bend to 20' Wye.
Totals			760	2	2	

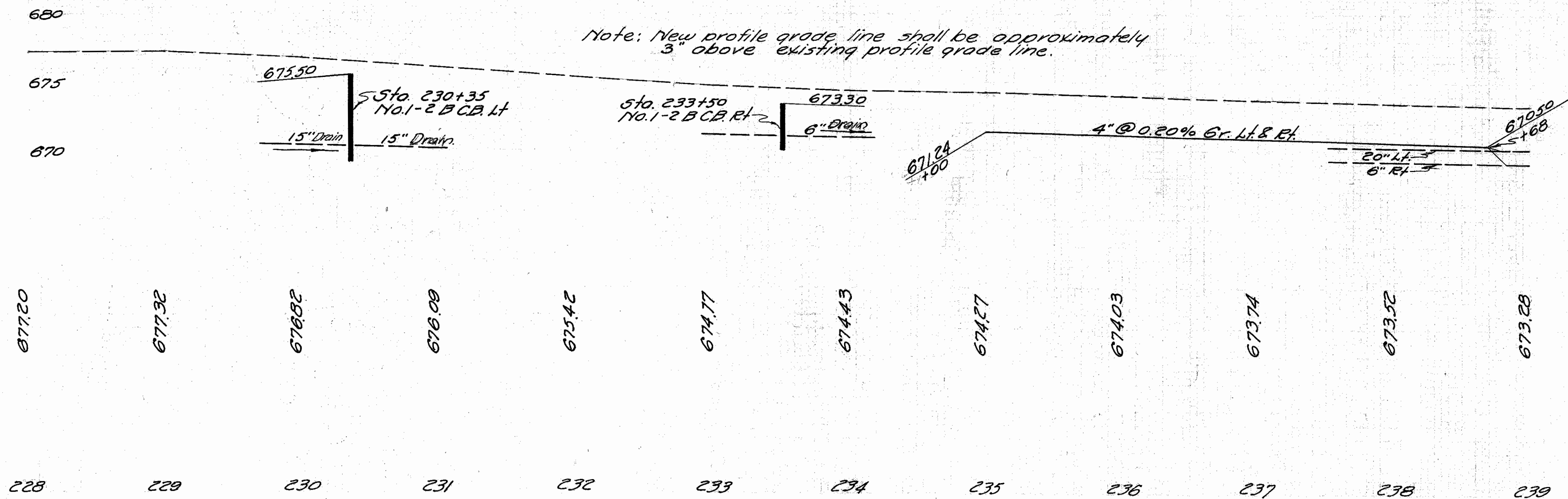


B.M. Station 220+55
 Boat Spike in 15" Maple. 31' Left & Elevation 676.37

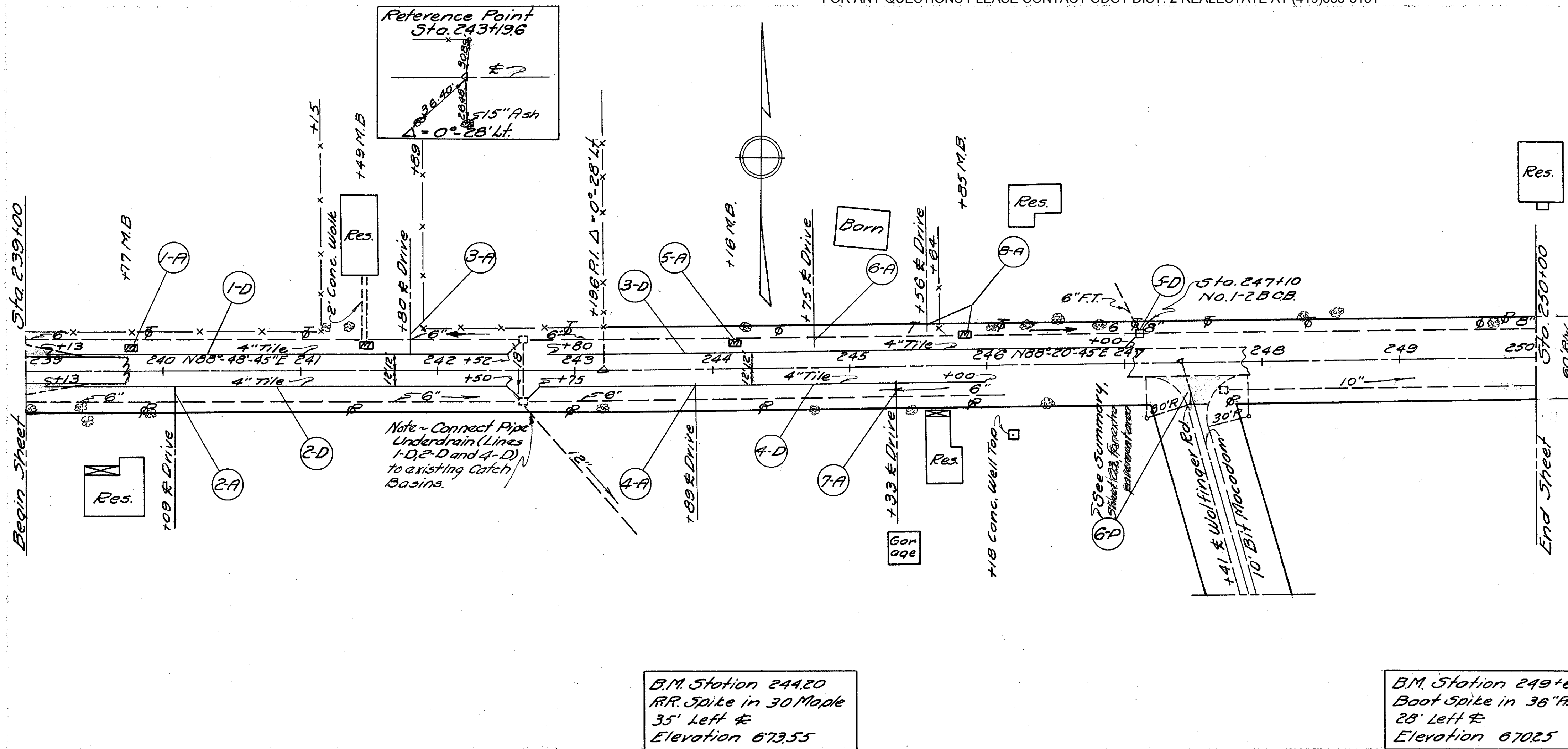
B.M. Station 233+75
 Boat Spike in Power Pole. 29' Right & Elevation 675.41

B.M. Station 238+95
 + in N.E. cor. of east Wing Wall. 28.6' Left & Elevation 672.54

Note: New profile grade line shall be approximately 3" above existing profile grade line.



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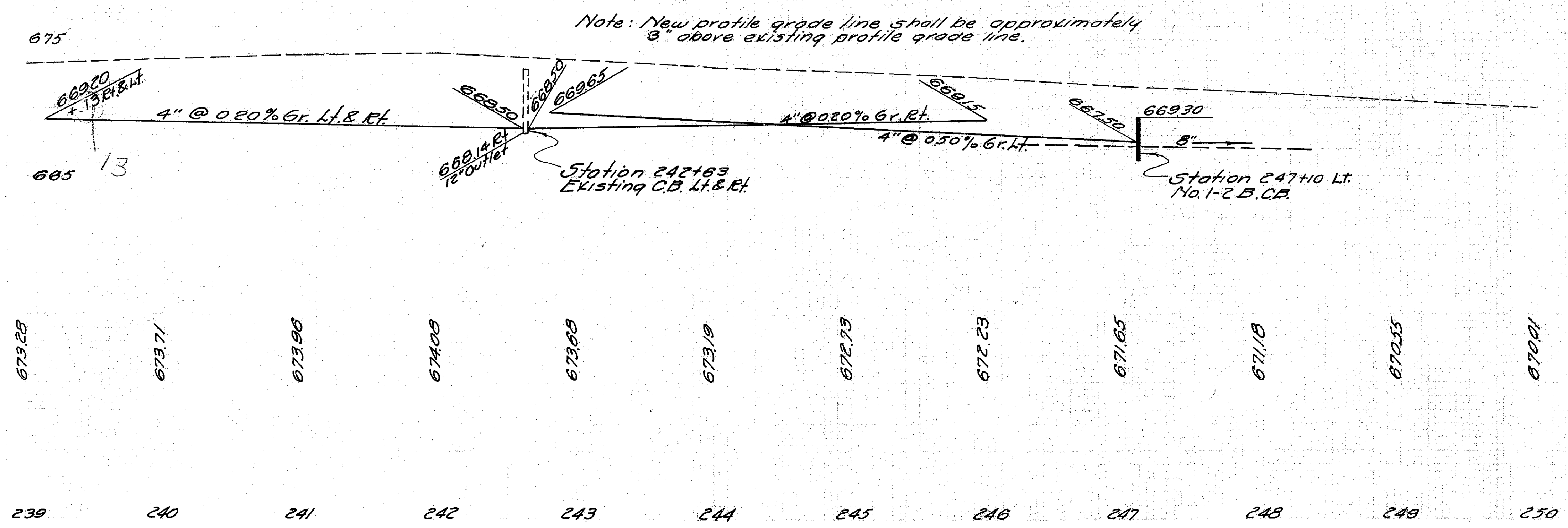
SIDE APPROACHES "A"

Ref. No.	Station		I-17 Aggregate	Remarks
	From	To		
1-A	239+77		Lt. 1.0	Mail Box
2-A	240+09		Rt. 0.5	Drive
3-A	241+49	241+80	Lt. 1.5	Drive & Mail Box
4-A	243+89		Rt. 0.5	Drive
5-A	244+10		Lt. 1.0	Mail Box
6-A	244+75		Lt. 0.5	Drive
7-A	245+33		Rt. 0.5	Drive
8-A	245+58	245+85	Lt. 1.5	Drive & Mail Box
Totals			7.0	

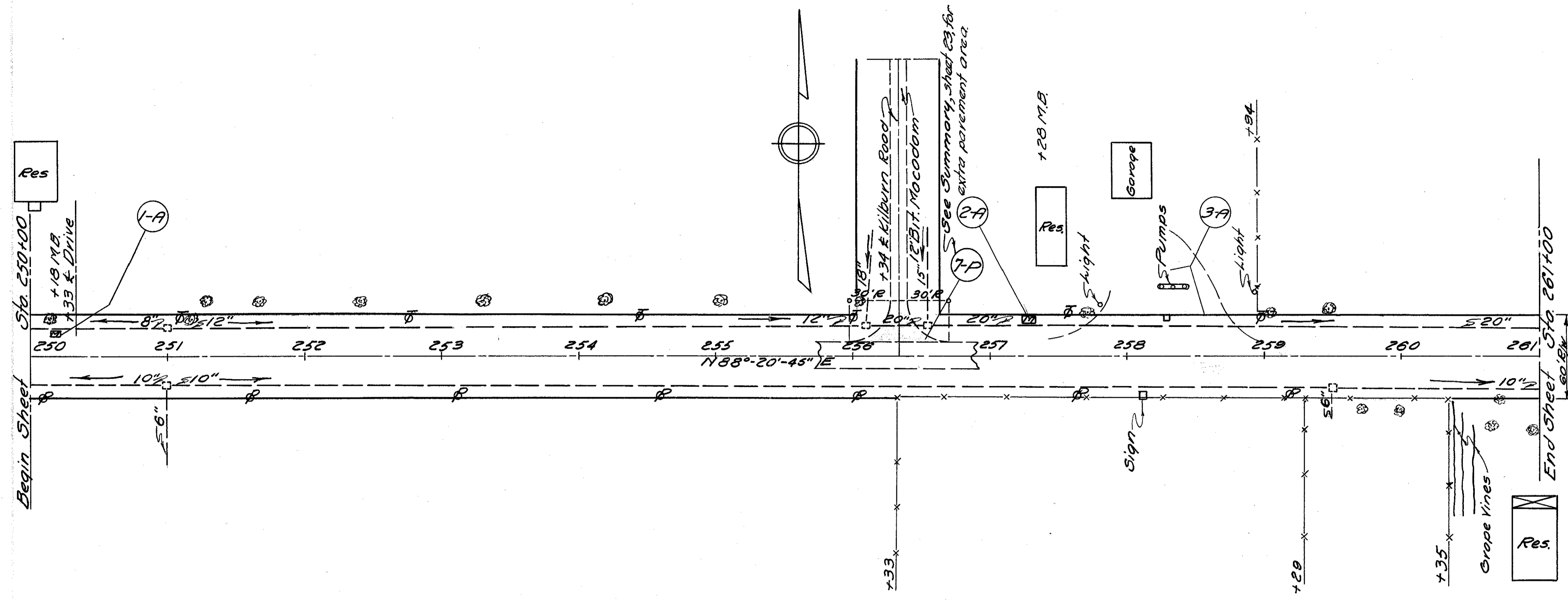
ROADWAY DRAINAGE "D"

Ref. No.	Station		Side	I-4 Pipe Underdrains Lin. Ft.	I-5 Pipe Size Each	I-5 No. of Benders	I-8 Catch Basins Each	Remarks
	From	To						
1-D	239+13	242+52	Lt.	355	1	1		Extra Pipe for distance. Pipe Bend to outlet into Catch Basin.
2-D	239+13	242+50	Rt.	355	1	1		Extra Pipe for distance. Pipe Bend to outlet into Catch Basin.
3-D	242+80	247+00	Lt.	435	1	1		Extra Pipe for distance. Pipe Bend to outlet into Catch Basin.
4-D	242+75	246+00	Rt.	340	1	1		Extra Pipe for distance. Pipe Bend to outlet into Catch Basin.
5-D	247+10		Lt.				1	Build on existing Drain Line.
Totals				1485	4	4*	1	

*Note: Stoppers included in price bid per lin. ft. of pipe - See Sec. I-40A



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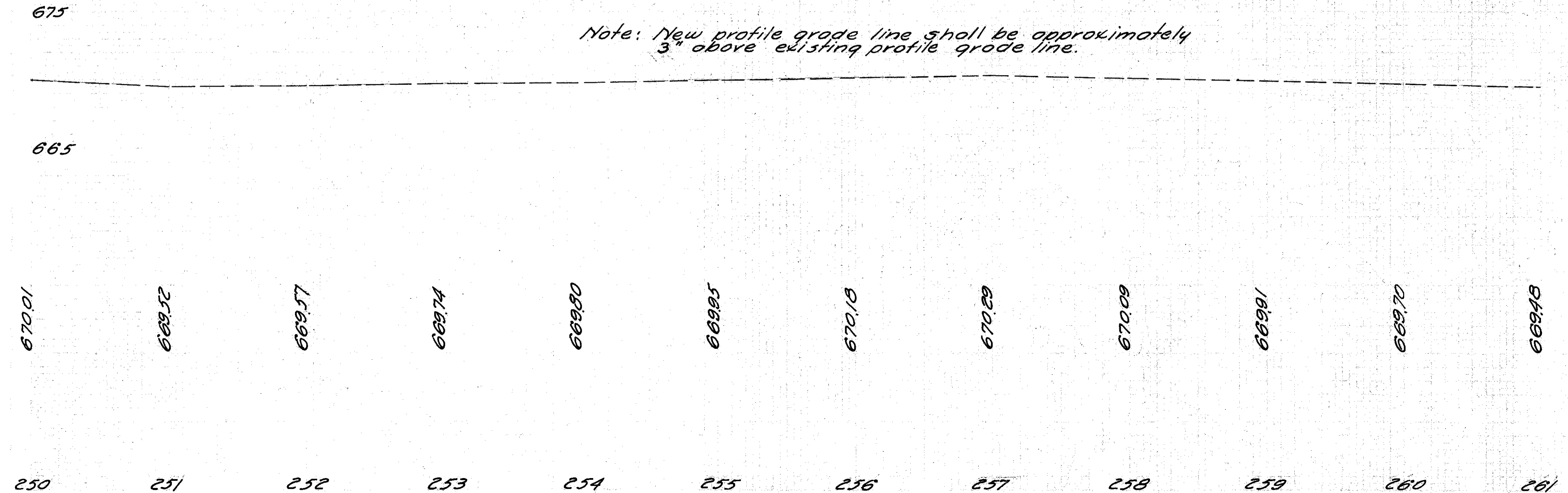


SIDE APPROACHES "A"

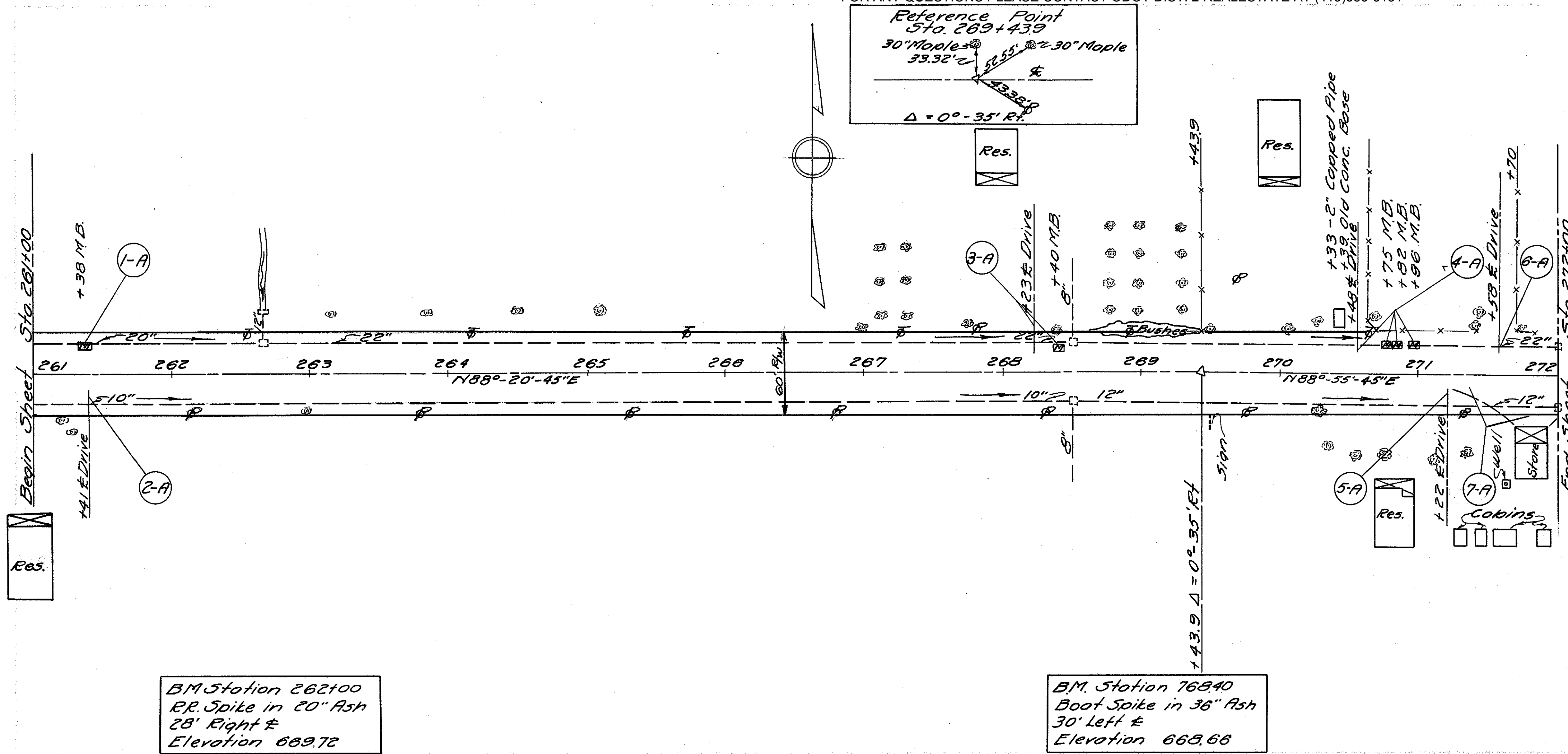
Ref. No.	Station		Side	I-17 Aggre gate	Remarks
	From	To			
1-A	250+18	250+33	Lt.	1.5	Drive & Mail Box
2-A	257+28		Lt.	10	Mail Box
3-A	258+35		Lt.	50	Gas Station
Totals				7.5	

B.M. Station 256+03
 Boat Spike in 8" Elm
 36' Left &
 Elevation 670.29

Note: New profile grade line shall be approximately
 3" above existing profile grade line.



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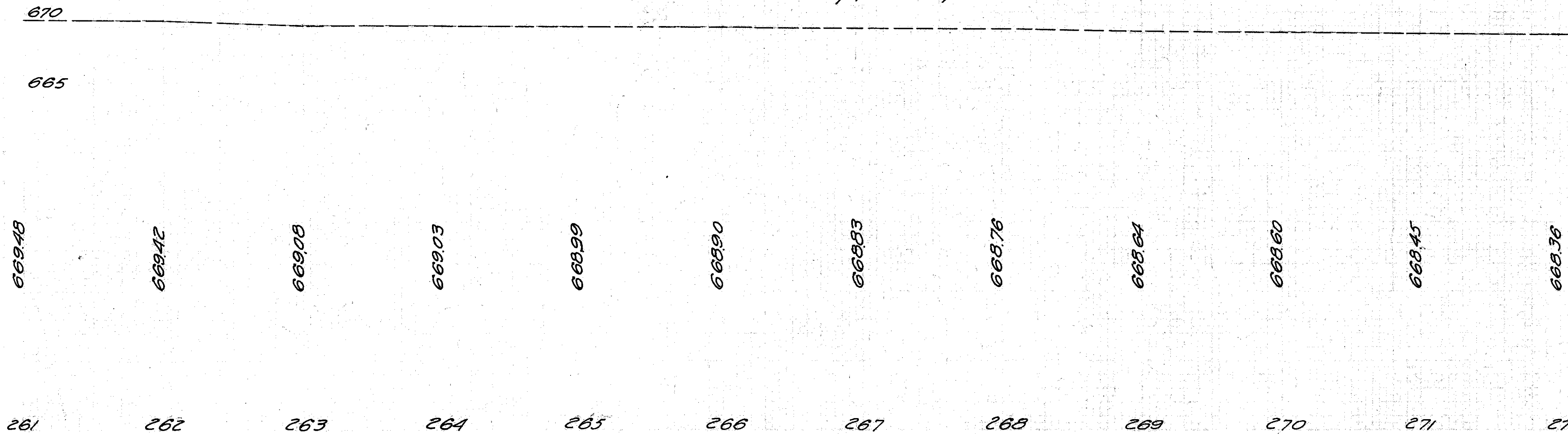
SIDE APPROACHES "A"

Ref No	Station		Side	I-17 Aggregate	Remarks
	From	To			
1	A 261+38		Lt.	1.0	Mail Box
2	A 261+41		Rt.	0.5	Drive
3	A 268+23	268+40	Lt.	1.5	Drive & Mail Box
4	A 270+48	270+96	Lt.	1.5	Drive & Mail Boxes
5	A 271+22		Rt.	0.5	Drive
6	A 271+58		Lt.	0.5	Drive
7	A 271+80		Rt.	5.0	Store
Totals				10.5	

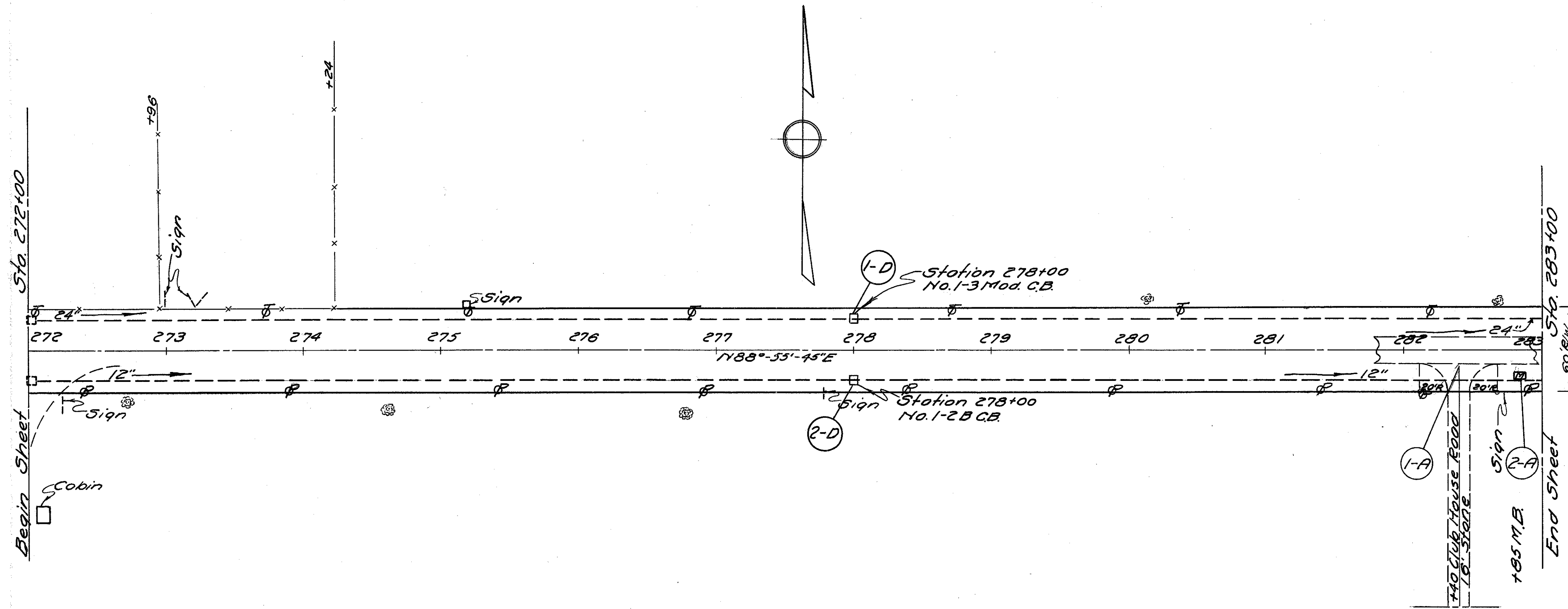
BM Station 262+00
 RR Spike in 20" Ash
 28' Right &
 Elevation 669.72

BM Station 268+40
 Boot Spike in 36" Ash
 30' Left &
 Elevation 668.68

Note: New profile grade line shall be approximately 3" above existing profile grade line.



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 S.H. 21 Sec. 6 (pt)



SIDE APPROACHES "A"

Ref. No.	Station		I-17 Side Aggregate	Remarks
	From	To		
1-A	282+40		Rt. 2.0	Club House Drive
2-A	282+85		Rt. 1.0	Mail Box
Totals			3.0	

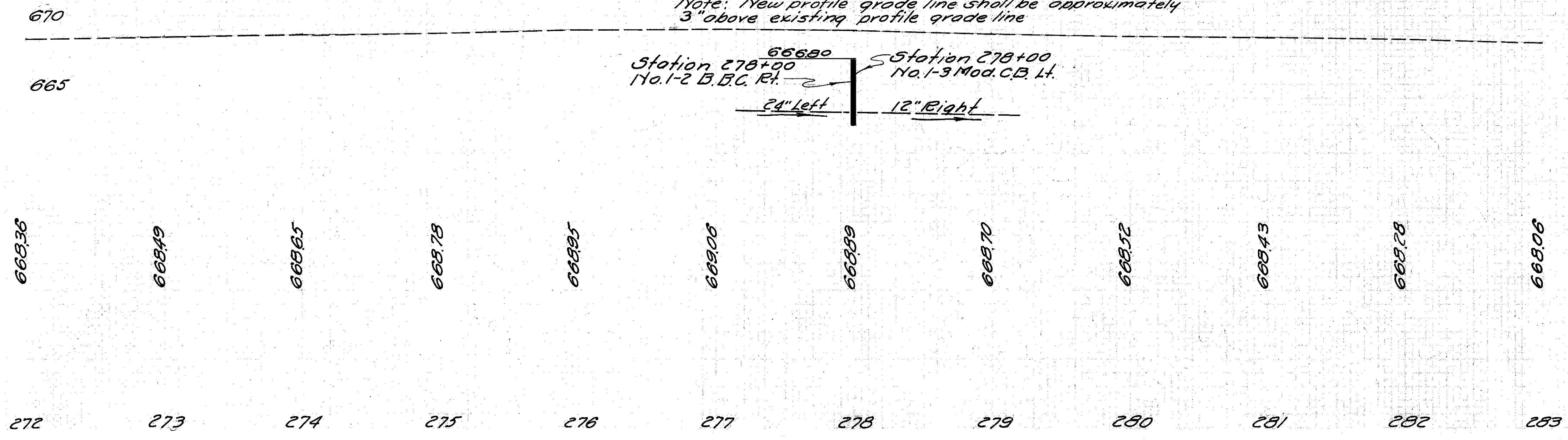
ROADWAY DRAINAGE "D"

Ref. No.	Station		I-8 Each Side I-25 I-3 Mod Catch Basin	Remarks
	From	To		
1-D	278+00		Lt. 1	Build on existing Drain Line
2-D	278+00		Rt. 1	Build on existing Drain Line
Totals			1 1	

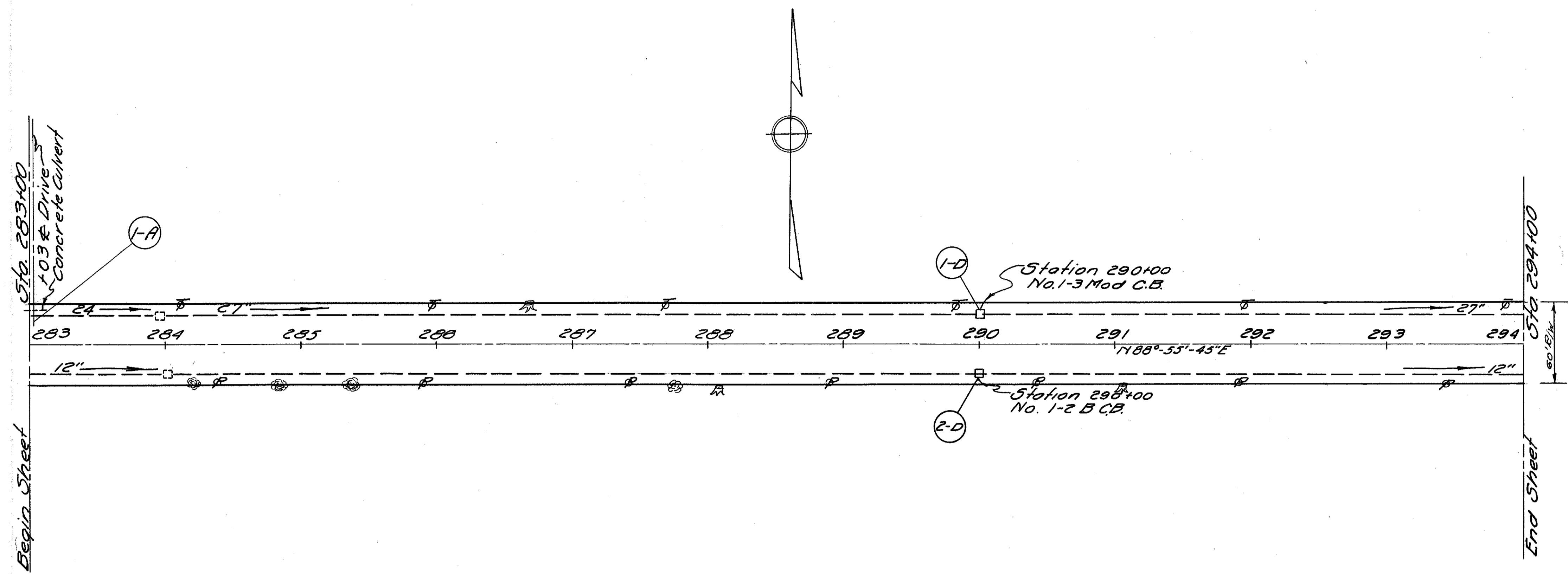
B.M. Station 273+91
 Boot Spike in Power Pole. 29' Right &
 Elevation 669+35

B.M. Station 280+14
 Boot Spike in 30" Oak 35' Left
 Elevation 667+43

Note: New profile grade line shall be approximately 3" above existing profile grade line



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SIDE APPROACHES "A"

Ref No	Station		Side	I-17 Aggregate	Remarks
	From	To			
1-A	283+03		Lt	0.5	Drive
Totals				0.5	

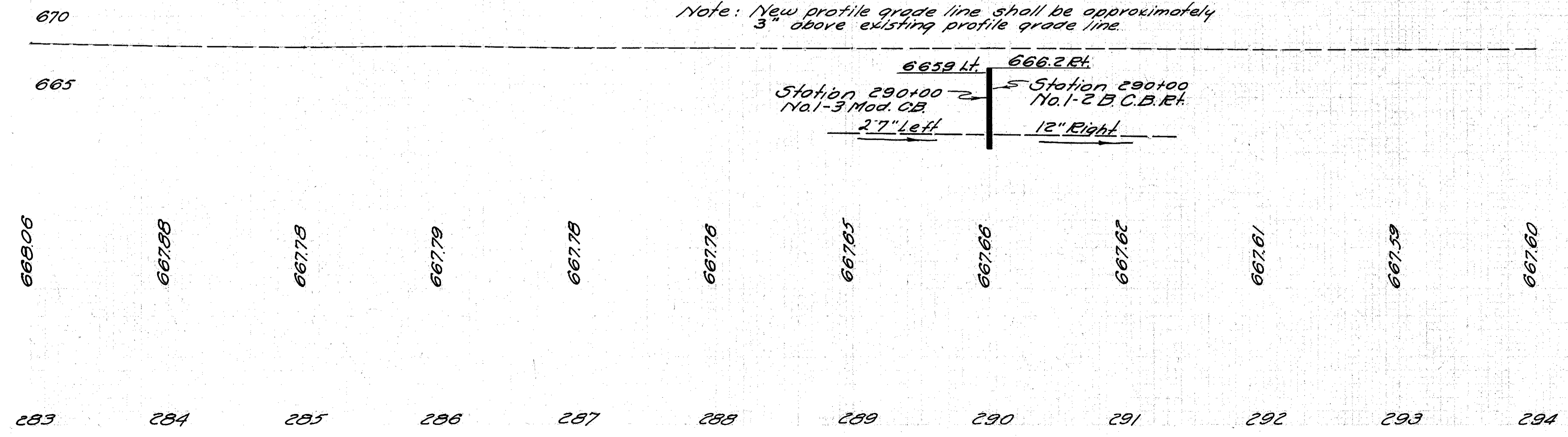
ROADWAY DRAINAGE "D"

Ref No	Station		Side	I-B Each		Remark
	From	To		1-2 Mod. Catch Basin	1-3 Mod.	
1-D	290+00		Lt	1	1	Build on existing Drain Line.
2-D	290+00		Rt.	1		Build on existing Drain Line.
Totals				1	1	

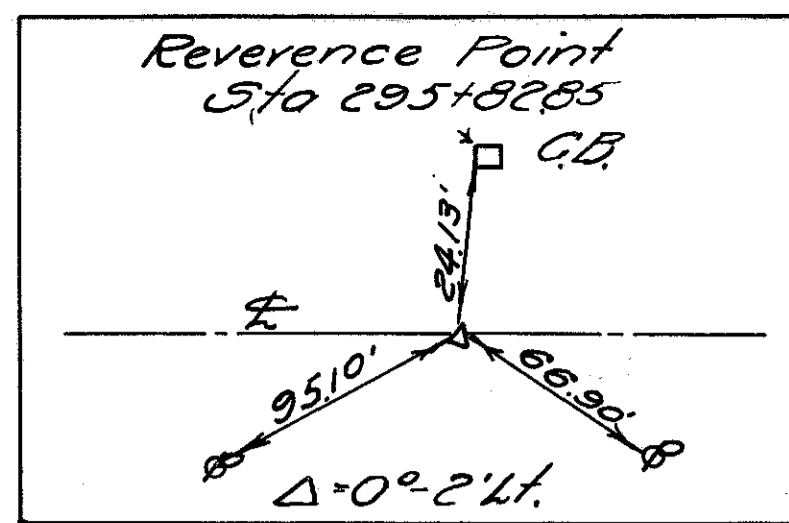
B.M. Station 285+91
 Boot Spike in Power Pole. 29' Right &
 Elevation 668.36

B.M. Station 291+92
 Boot Spike in Power Pole. 29' Right &
 Elevation 668.28

Note: New profile grade line shall be approximately 3" above existing profile grade line.

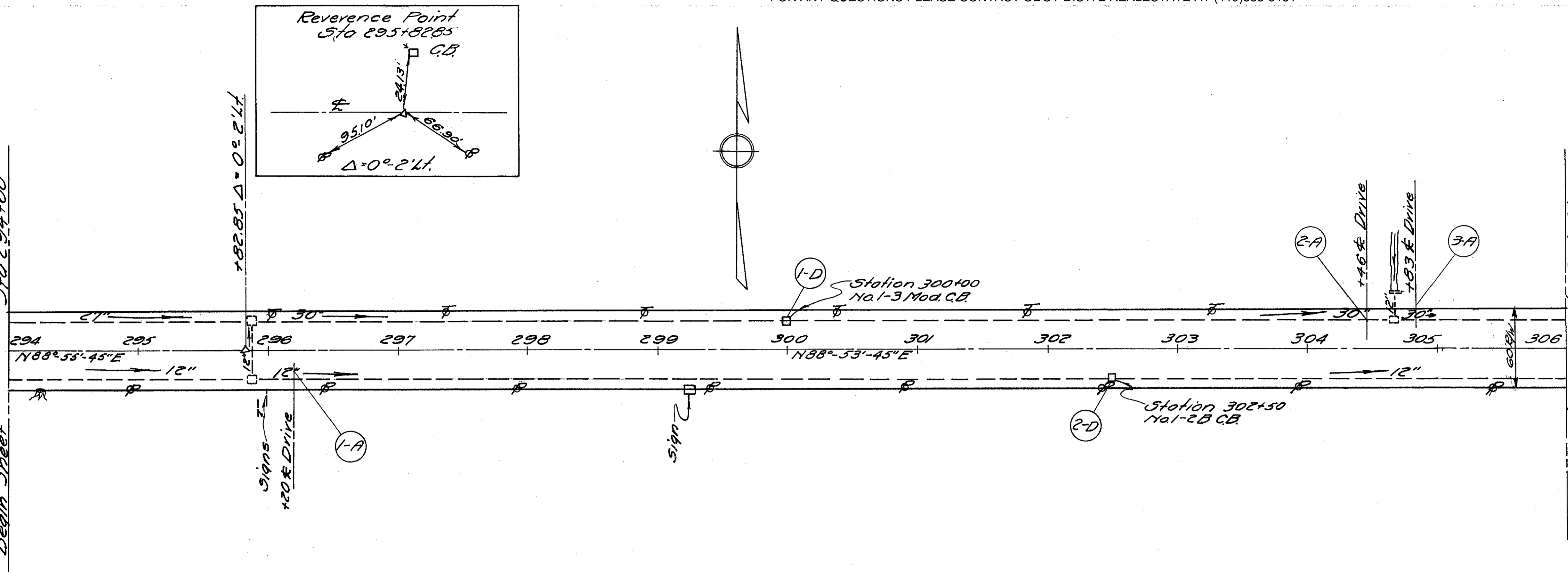


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 LUCAS COUNTY
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Begin Sheet 510 294+100

End Sheet 510 306+100



SIDE APPROACHES "A"

Ref No	Station		Side	I-17 Approach Cu. Yds.	Remarks
	From	To			
1-A	296+20		Rt.	0.5	Drive
2-A	304+46		Lt.	0.5	Drive
3-A	204+83		Lt.	0.5	Drive
Totals				1.5	

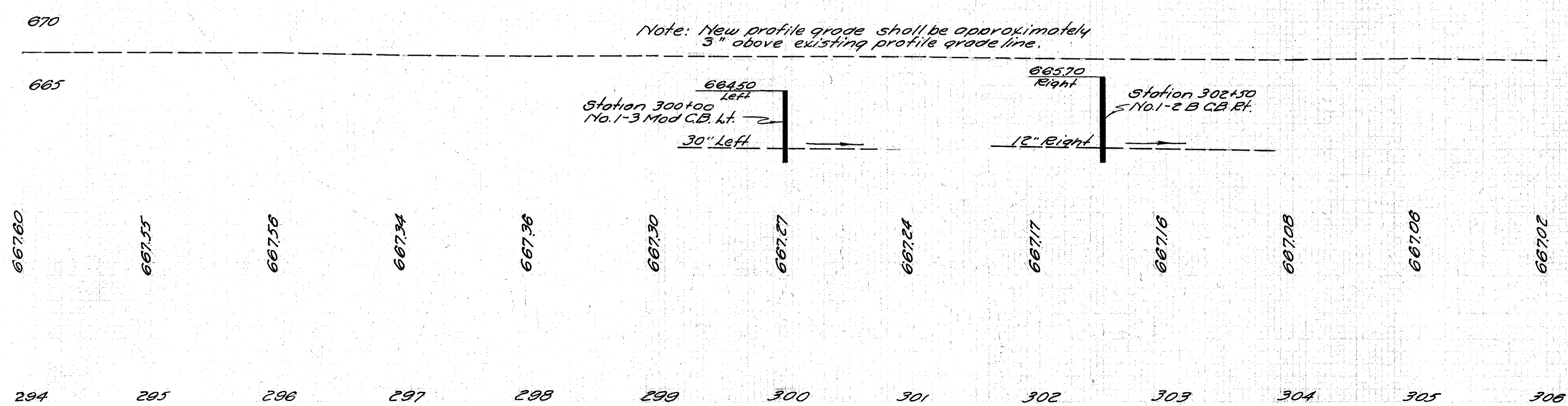
ROADWAY DRAINAGE

Ref No	Station		Side	I-8 Each I-2 I-3 Mod Catch Basin	Remarks
	From	To			
1-D	300+00		Lt.	1	Build on existing Drain Line.
2-D	302+50		Rt.	1	Build on existing Drain Line.
Total				1	1

B.M. Station 297+91
 Bolt Spike in Power
 Pole. 29' Right &
 Elevation 667.43

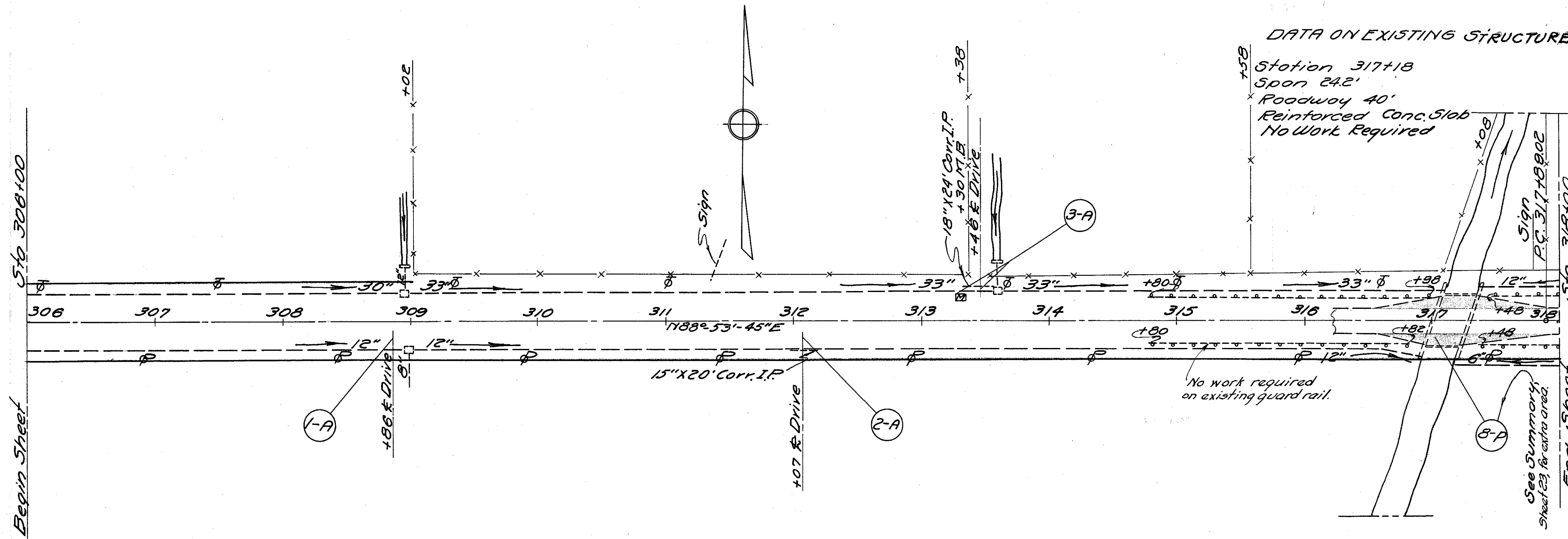
B.M. Station 304+75
 R.R. Spike in 48" Ash
 100' Left &
 Elevation 668.54

Note: New profile grade shall be approximately
 3" above existing profile grade line.



Station	Elevation
294	667.60
295	667.55
296	667.58
297	667.34
298	667.36
299	667.30
300	667.27
301	667.24
302	667.17
303	667.16
304	667.08
305	667.06
306	667.02

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DATA ON EXISTING STRUCTURE
 Station 317+18
 Span 24.2'
 Roadway 40'
 Reinforced Conc. Slab
 No Work Required

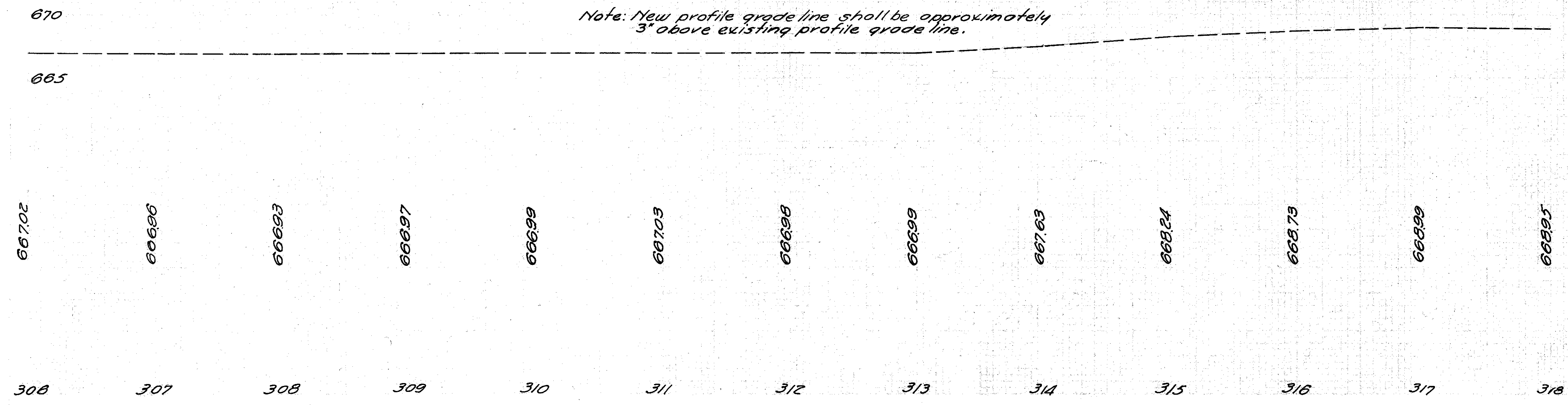
SIDE APPROACHES "A"

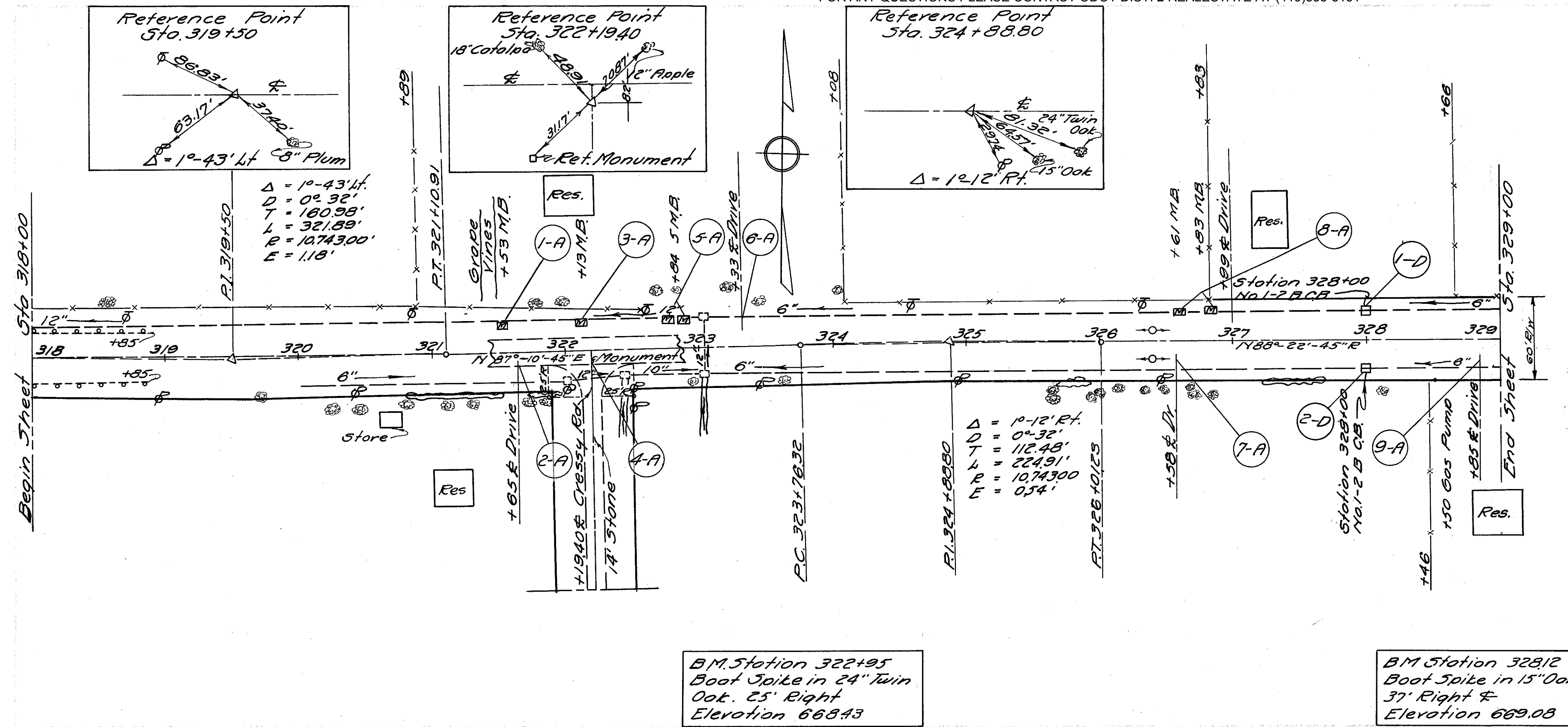
Ref. No.	Station		Side	I-17 Aggregate	Remarks
	From	To			
1-A	308+88		RT	0.5	Drive
2-A	312+07		RT	0.5	Drive
3-A	313+30	313+46	LT	1.5	Drive & Mail Box
Totals				2.5	

B.M. Station 311+45
 Boot Spike in Power Pole. 29' Right &
 Elevation 667.42

B.M. Station 316+90
 + in West Wing Wall. Right &
 Elevation 668.71

Note: New profile grade line shall be approximately 3" above existing profile grade line.





SIDE APPROACHES "A"

Ref. No.	Station		Side	I-17 Aggregate	Remarks
	From	To			
1-A	321+53		Lt.	10	Mail Box
2-A	321+65		Rt.	05	Drive
3-A	322+13		Lt.	10	Mail Box
4-A	322+18.4		Rt.	30	Cressy Road
5-A	322+18.4		Lt.	10	5 Mail Boxes
6-A	323+33		Lt.	05	Drive
7-A	326+58		Rt.	05	Drive
8-A	326+61	326+98	Lt.	15	Drive & 2 Mail Boxes
9-A	328+85		Rt.	05	Drive
Totals				95	

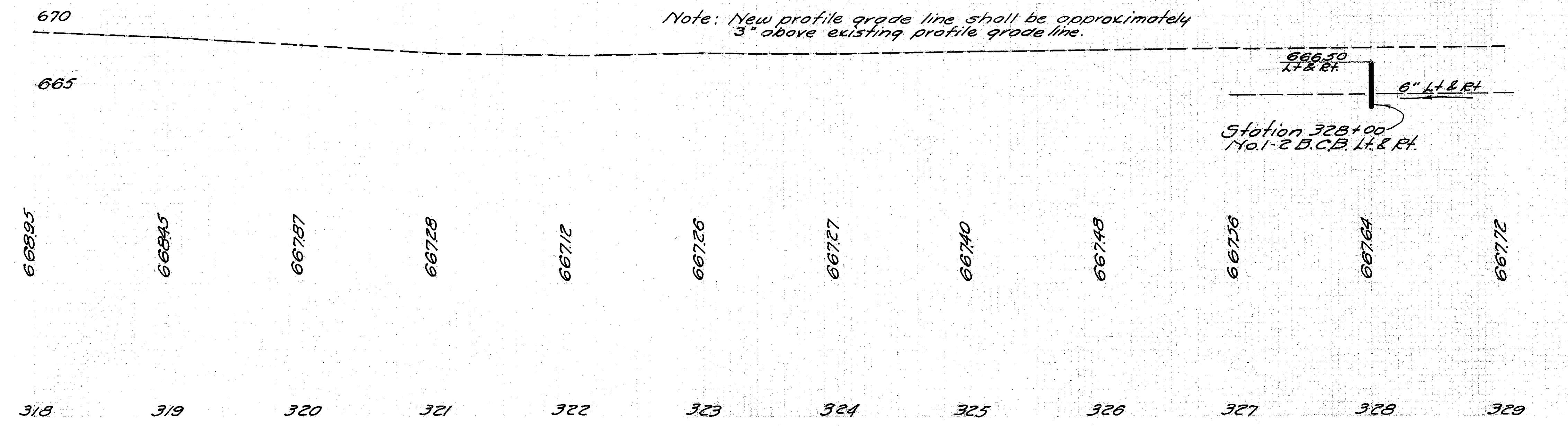
ROADWAY DRAINAGE

Ref. No.	Station		Side	I-8 Not-2 B Catch Basin Each	Remarks
	From	To			
1-D	328+00		Lt.	1	Build on existing Drain Line
2-D	328+00		Rt.	1	Build on existing Drain Line
Total				2	

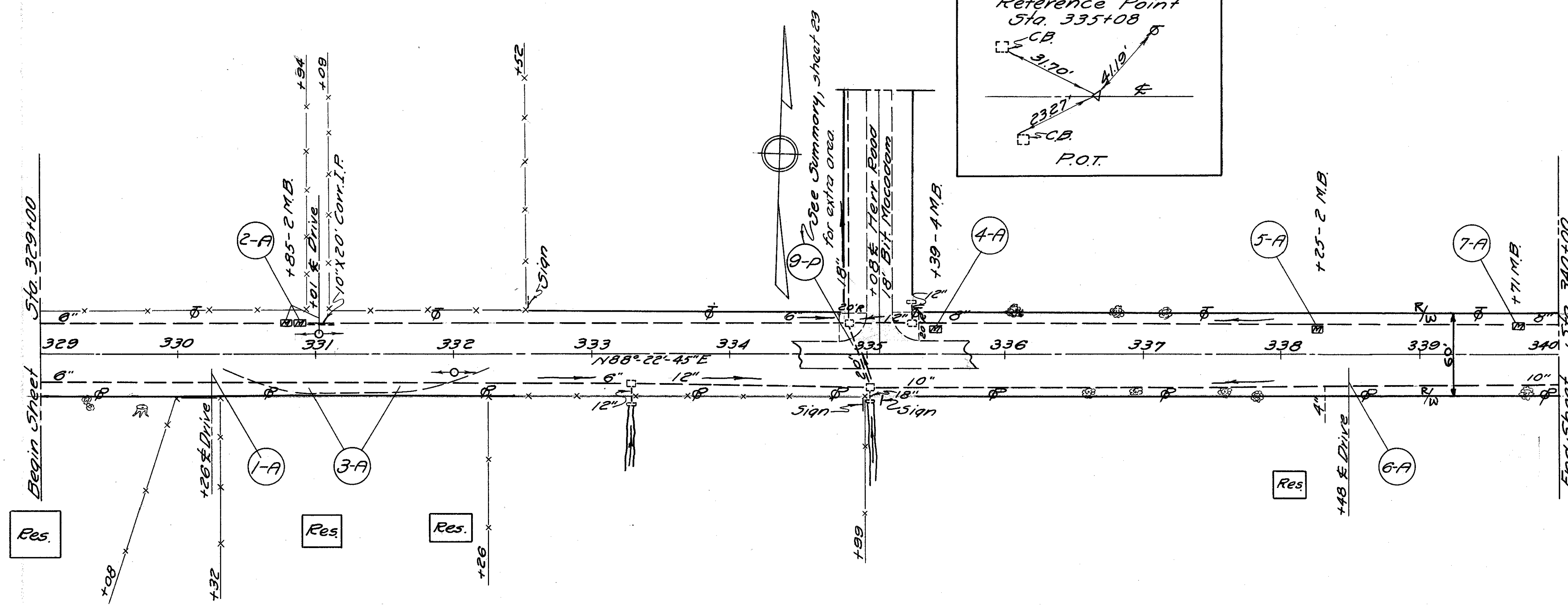
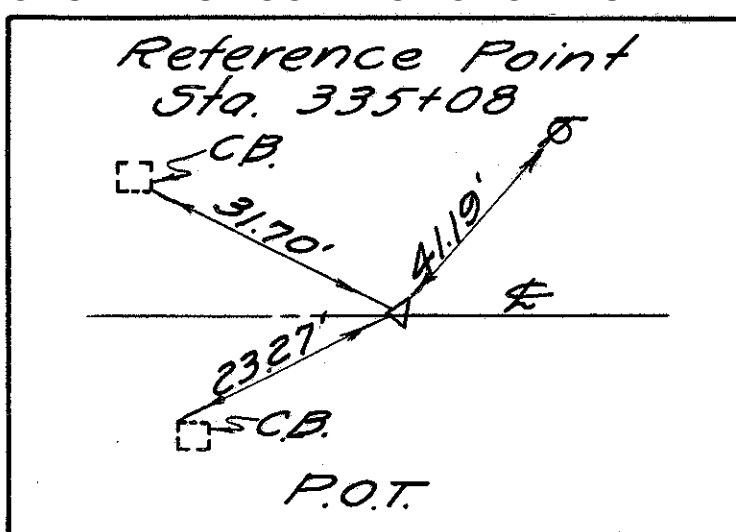
BM Station 322+95
Boot Spike in 24" Twin
Oak. 25' Right
Elevation 668.43

BM Station 328.12
Boot Spike in 15" Oak
37' Right &
Elevation 669.08

Note: New profile grade line shall be approximately 3" above existing profile grade line.



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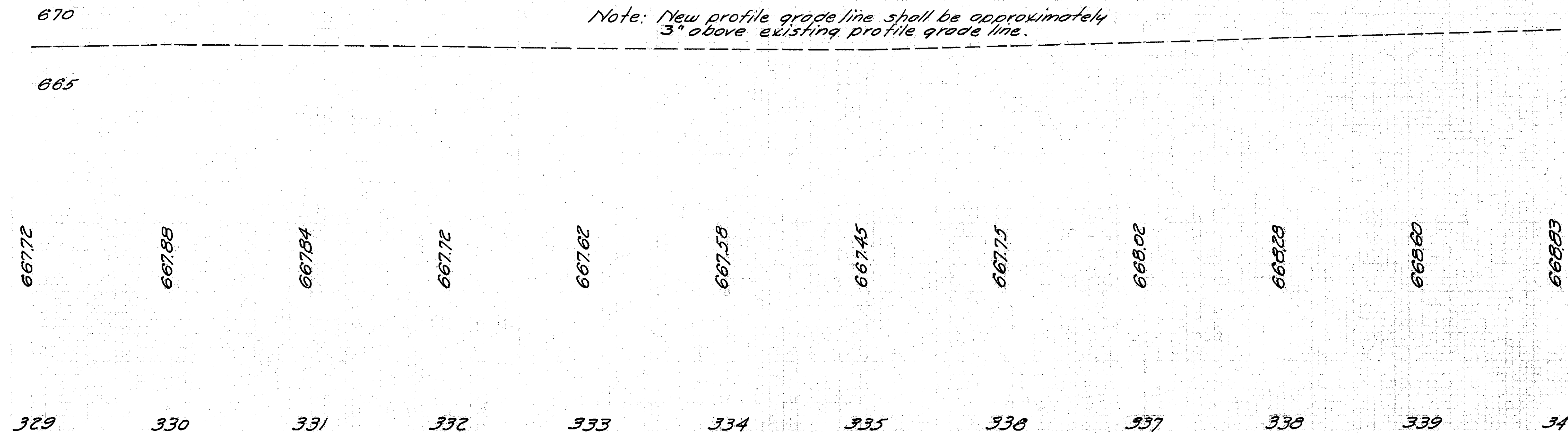
SIDE APPROACHES "A"

Ref. No	Station		Side	I-17 Aggregate	Remarks
	From	To			
1-A	330+26		Rt.	0.5	Drive
2-A	330+25	331+01	Lt.	1.5	Drive & 2 Mail Boxes
3-A	331+30		Rt.	5.0	Stored Berm
4-A	335+39		Lt.	1.0	4 Mail Box
5-A	338+25		Lt.	1.0	2 Mail Boxes
6-A	338+48		Rt.	0.5	Drive
7-A	339+71		Lt.	1.0	Mail Box
Totals				10.5	

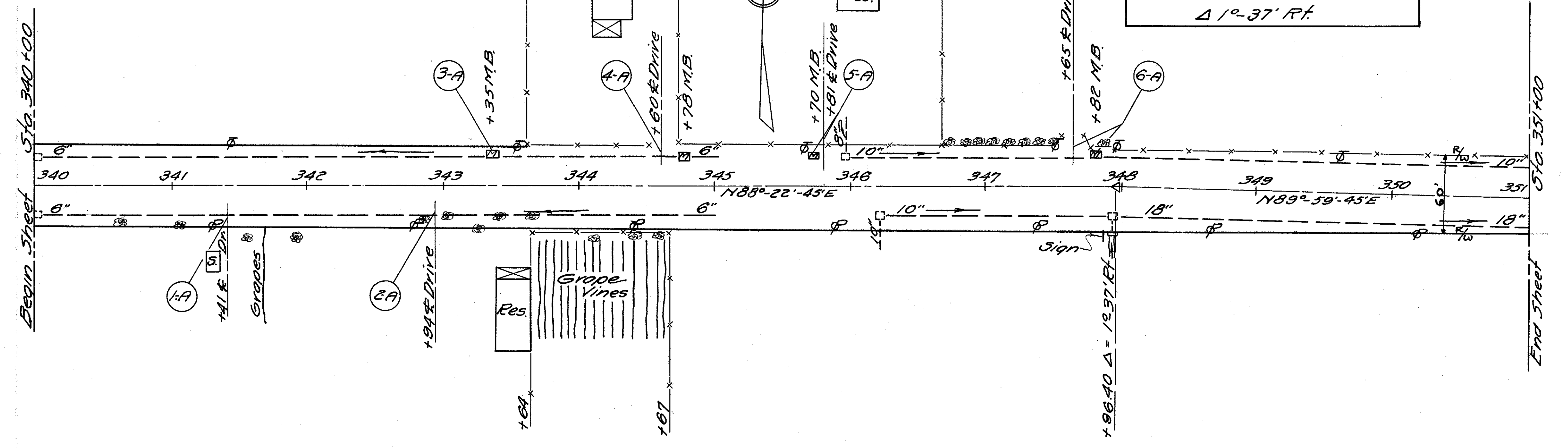
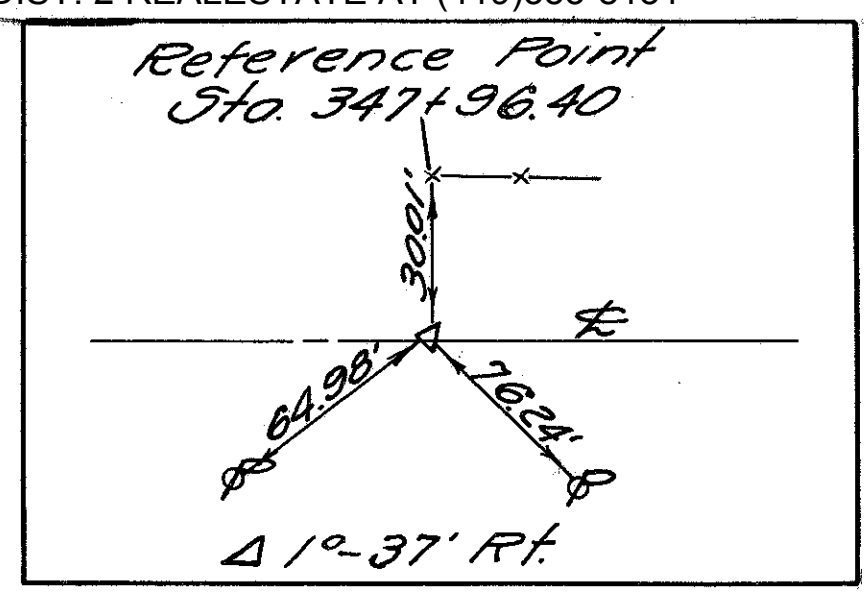
B.M. Station 333+75
 Boot Spike in Power Pole 29' Right &
 Elevation 668.05

B.M. Station 339+94
 Boot Spike in Power Pole 29' Right &
 Elevation 667.68

Note: New profile grade line shall be approximately 3" above existing profile grade line.



10 OHIO 17
 1943 23
 LUCAS COUNTY
 S.H. 21 Sec. 6 (pt.)

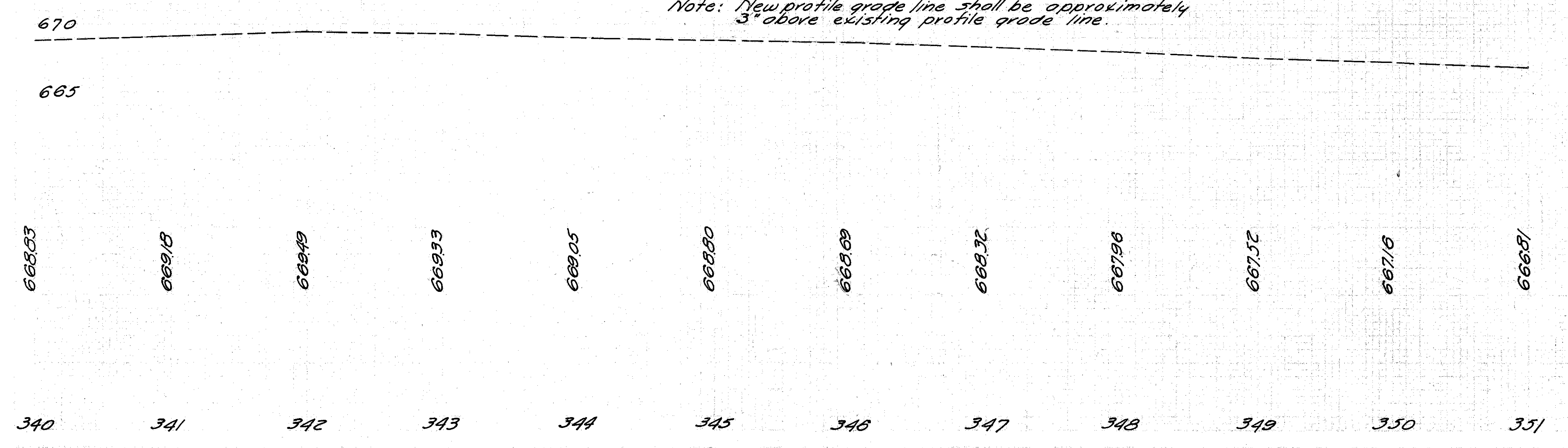


SIDE APPROACHES "A"

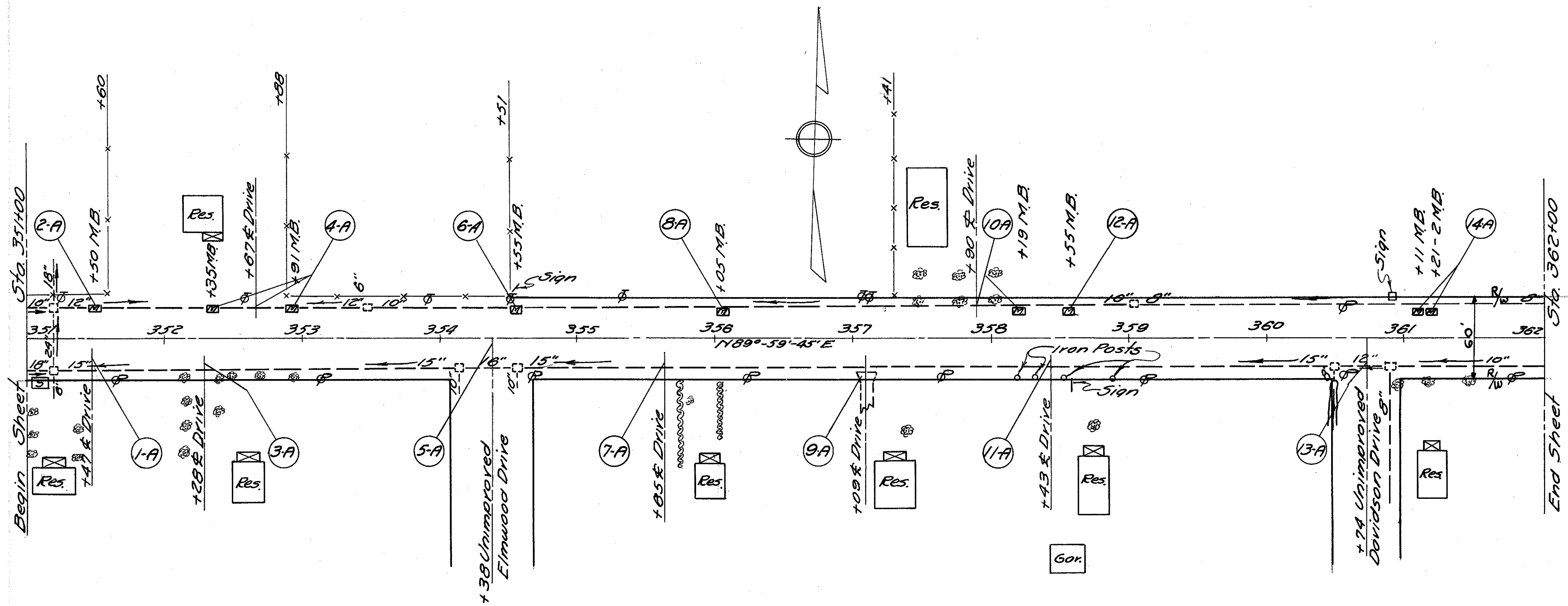
Ref No.	Station		Side	I-17 Aggregate Cu.Yds.	Remarks
	From	To			
1-A	341+41		Rt.	0.5	Drive
2-A	342+9A		Rt.	0.5	Drive
3-A	343+35		Lt.	1.0	Mail Box
4-A	344+60	344+78	Lt.	1.5	Drive & Mail Box
5-A	345+70	345+81	Lt.	1.5	Drive & Mail Box
6-A	347+65	347+82	Lt.	1.5	Drive & Mail Box
Totals				6.5	

BM Station 34624
 S.E. cor South Wall
 1-2 C.D. Right #
 Elevation 666.98

Note: New profile grade line shall be approximately 3" above existing profile grade line.



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 LUCAS COUNTY
 S.H. 21 Sec. 6 (pt)



SIDE APPROACHES "A"

Ref. No.	Station		Side	F17 Aggregate	Remarks
	From	To			
1-A	351+47		RT	0.5	Drive
2-A	351+50		LT	1.0	Mail Box
3-A	352+28		RT	0.5	Drive
4-A	352+35	352+91	LT	1.5	Drive & Mail Boxes (2)
5-A	354+38		RT	3.0	Elmwood Drive
6-A	354+55		LT	1.0	Mail Box
7-A	355+65		RT	0.5	Drive
8-A	356+05		LT	1.0	Mail Box
9-A	357+09		RT	0.5	Drive
10-A	357+90	358+19	LT	1.5	Drive & Mail Box
11-A	358+43		RT	0.5	Drive
12-A	358+55		LT	1.0	Mail Box
13-A	360+74		RT	3.0	Davidson Drive
14-A	361+11	361+21	LT	1.0	3 Mail Boxes
Totals				16.5	

B.M. Station 352+55
 NW cor. Conc. Slab
 for Sted. Right &
 Elevation 668.64

B.M. Station 359+03
 NE cor. North Wall of
 1-2 C.B. Left &
 Elevation 666.55

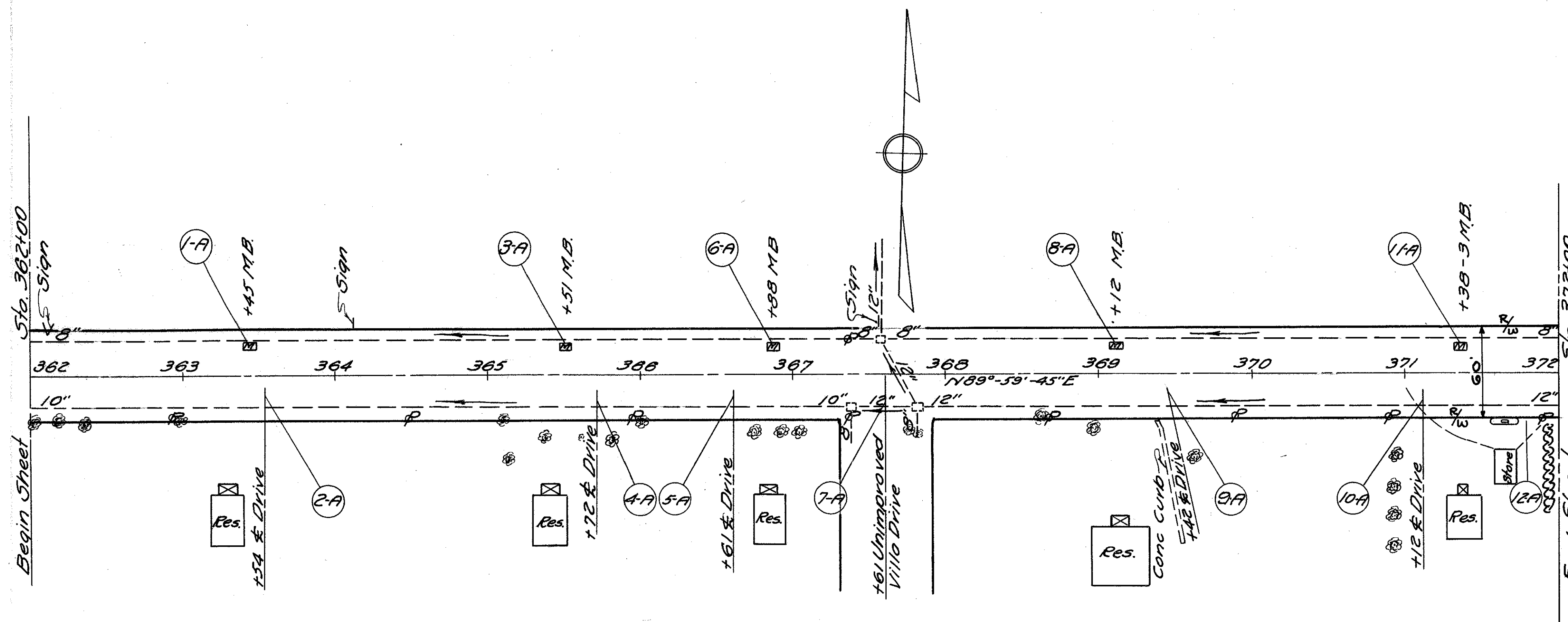
Note: New profile grade line shall be approximately
 3" above existing profile grade line.

670
 665
 666.81
 666.87
 667.00
 667.25
 667.45
 667.69
 667.77
 667.99
 668.08
 668.18
 668.34
 668.46
 351 352 353 354 355 356 357 358 359 360 361 362

10 OHIO 1943 23
 LUCAS COUNTY
 S.H. 21 Sec. 6 (tot)

SIDE APPROACHES "A"

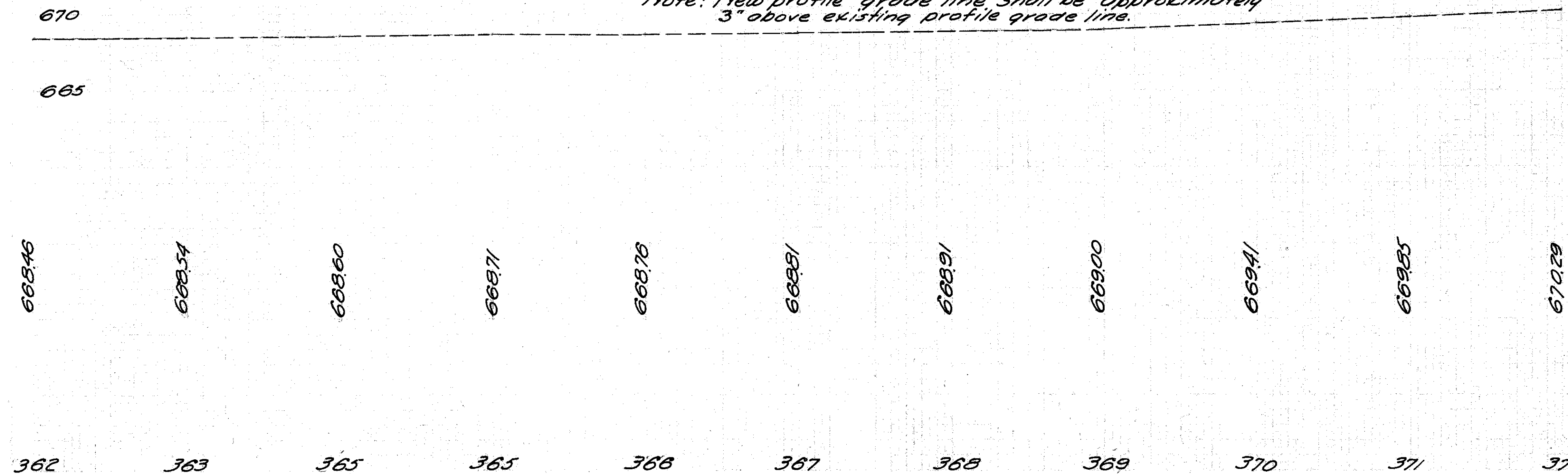
Ref. No.	Station		I-17 Side Approach	Cu. Yds.	Remarks
	From	To			
1-A	363+45		Lt. 1.0		Mail Box
2-A	363+54		Rt. 0.5		Drive
3-A	365+51		Lt. 1.0		Mail Box
4-A	365+72		Rt. 0.5		Drive
5-A	366+61		Rt. 0.5		Drive
6-A	366+88		Lt. 1.0		Mail Box
7-A	367+61		Rt. 3.0		Villa Drive
8-A	369+42		Lt. 1.0		Mail Box
9-A	369+42		Rt. 0.5		Drive
10-A	371+12		Rt. 0.5		Drive
11-A	371+38		Lt. 1.0		Mail Box
12-A	371+85		Rt. 5.0		Gasoline Station
Totals				15.5	



BM Station 365+12
 Boot Spike in 18" Wild
 Cherry 31' Right of
 Elevation 669.39

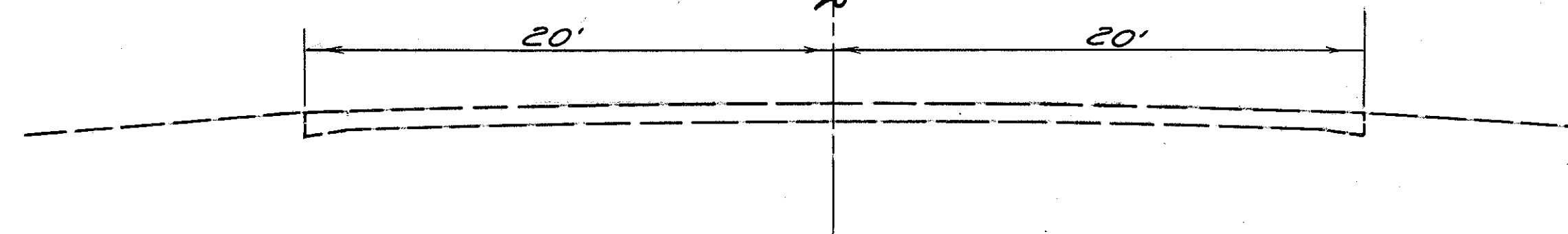
BM Station 371+45
 + in West end of Pismo
 Island 35' Right of
 Elevation 670.84

Note: New profile grade line shall be approximately
 3" above existing profile grade line.



TYPICAL SECTION ADJOINING PAVEMENT

Scale 1" = 5'



10'-8'-8'-10" Reinforced Concrete Pavement

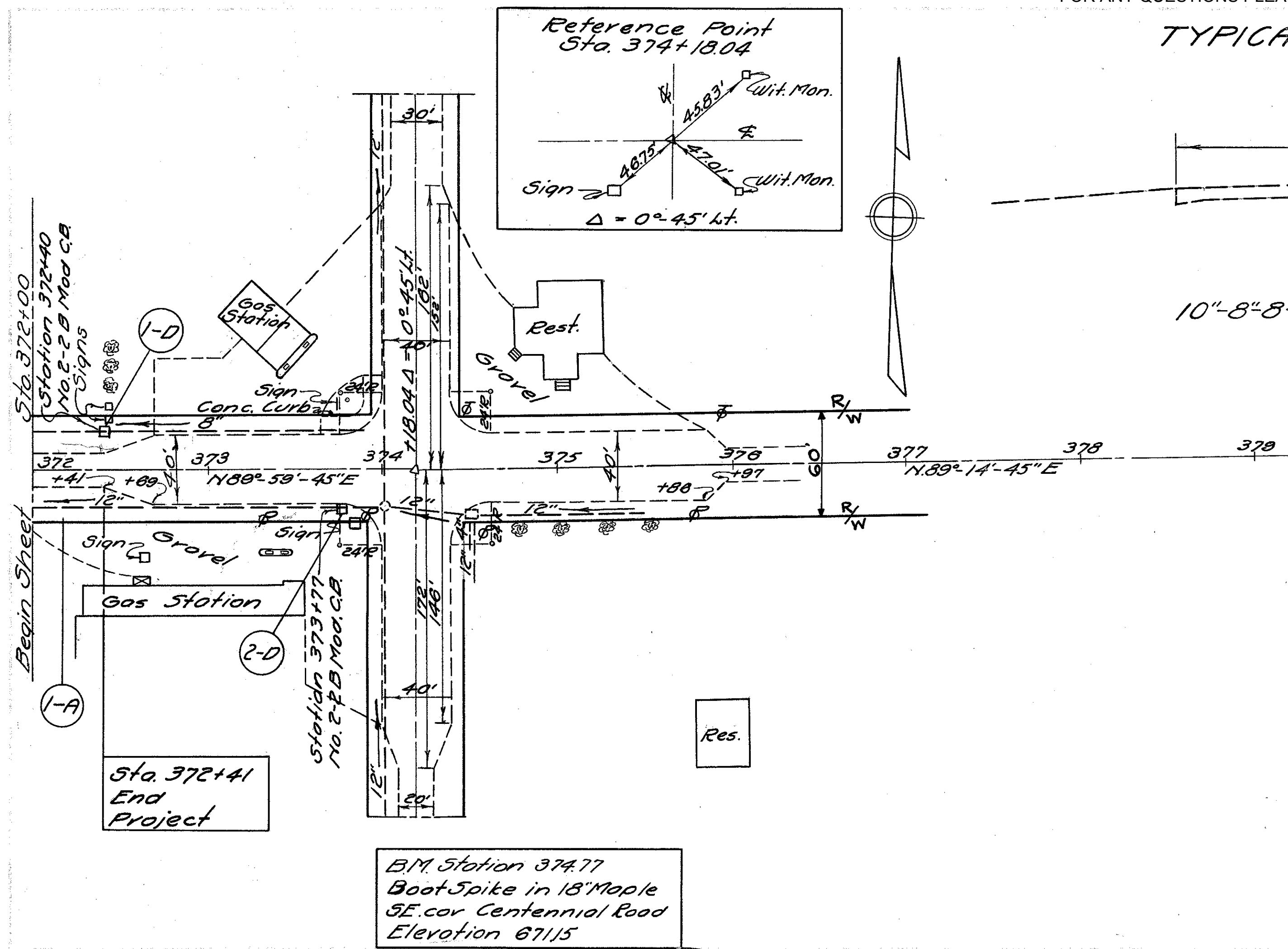
10 OHIO 20
1943 23
LUCAS COUNTY
S.H. 21 Sec. 6 (pt)

SIDE APPROACHES "A"

Ref. No	Station	Side	I-17 Aggregate	Remarks
	From	To	Cu.Yds.	
1-A	372+20		2.0	Gasoline Station
Total			2.0	

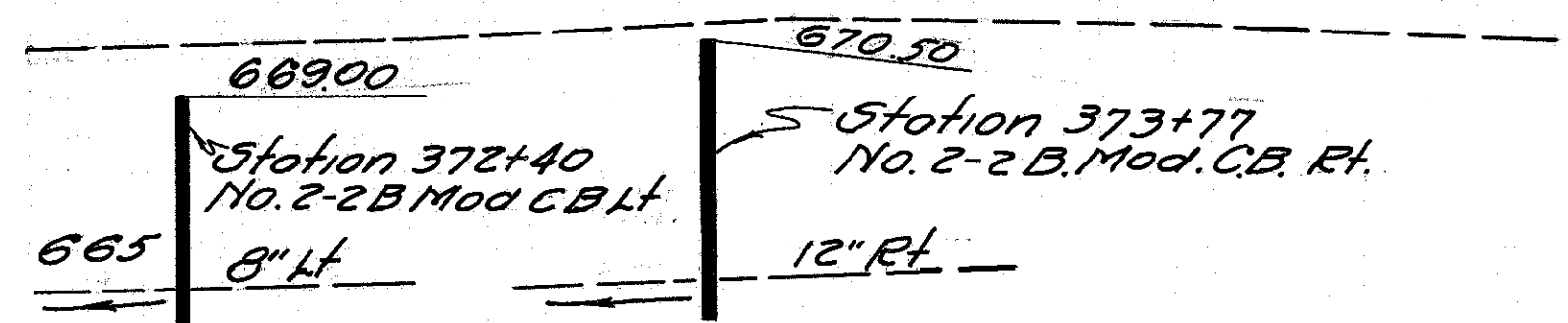
ROADWAY DRAINAGE "D"

Ref. No	Station	Side	I-8 No. 2-2B Catch Basin Each	Remarks
	From	To		
1-D	372+40		1	Build on existing Drain Line
2-D	373+77		1	Build on existing Drain Line
Totals			2	



BM Station 374.77
Boot Spike in 18" Maple
SE. cor Centennial Road
Elevation 671.15

675



670.29 670.50 671.14 670.94 670.51

372 373 374 375 376 377 378 379