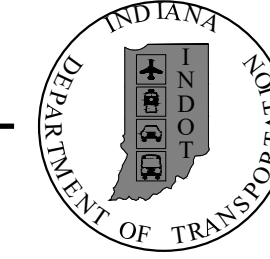


INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS S.R. 42 HMA MINOR STRUCTURE OVERLAY

PROJECT NO. 1601075 P.E.
PROJECT NO. 1601075 R/W
PROJECT NO. 1601075 CONST.

Minor Structure Overlay along S.R. 42, Located from S.R. 142 to 0.06 mile East of S.R. 39 East Junction, in Sections 12, 13, 14, 15, 16, 21, 28 & 33, Township 13 North, Range 2 West, and Sections 7, 8, 9, 10, 11 and 12, Township 13 N, Range 1 West, in Adams and Monroe Townships, Morgan County, Indiana.

Gross Length: 13.09 MI.
Net Length: 13.04 MI.
Maximum Grade: 8.71 %

PAVING EXCEPTION
STA. 516+36.67 TO STA. 517+72.04 "A"

PAVING EXCEPTION
STA. 581+13.49 TO STA. 581+66.31 "A"

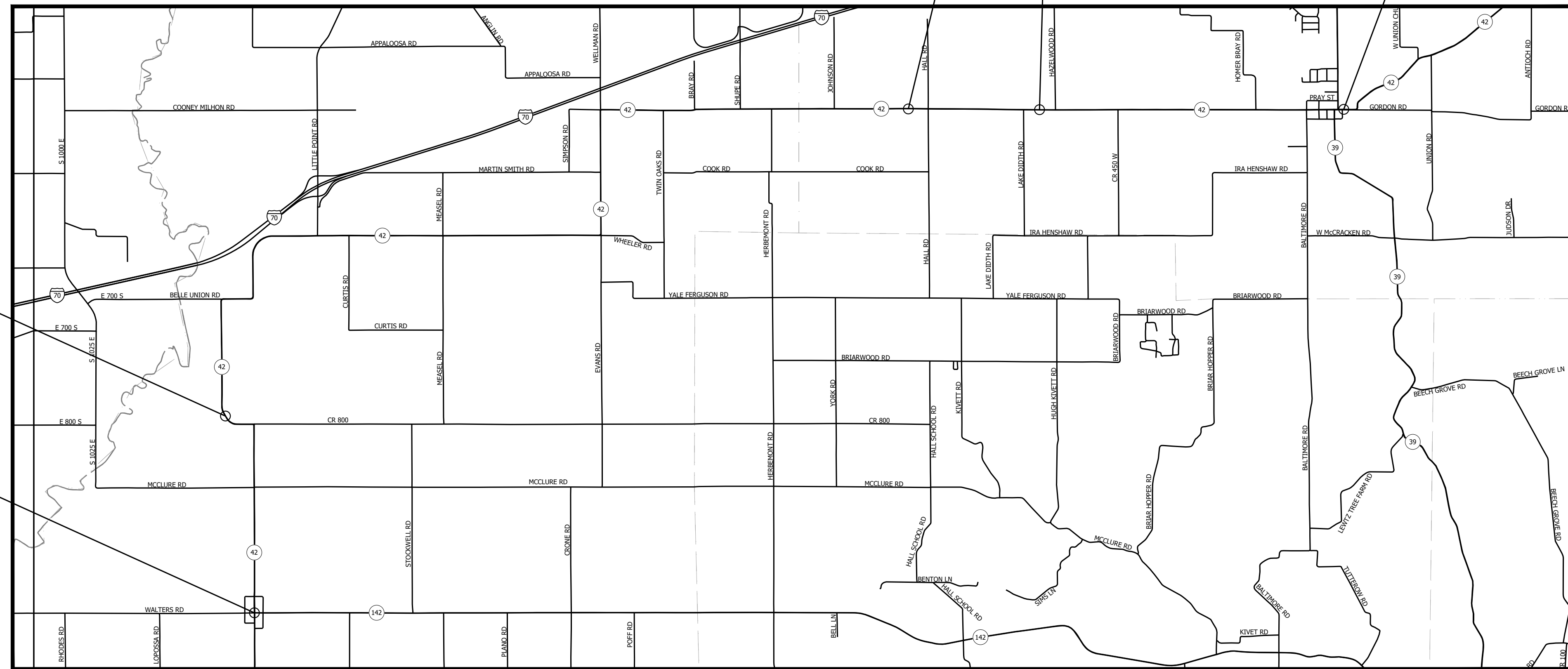
END PROJECT
P.O.T. 710+92.24 "A"

PROJECT	DESIGNATION
1601075	1601075
CONTRACT	BRIDGE FILE
R-40583	N/A

SEE INDEX SHEET FOR TRAFFIC DESIGN DATA

CULVERT ASSETS		
DES. NO.	CULVERT ASSET ID	WORK TYPE
2001548	CV 042-055-42.83	Small Structure Replacement
2001550	CLV-25115	Small Structure Replacement
1800121	CV 042-055-44.05	Pipe Liner
2001551	CV 042-055-44.16	Small Structure Replacement
2001552	CLV-25089	Small Structure Replacement
1601075	CLV-25123 & CLV-25065	Small Structure Replacement
1701593	CV 042-055-47.32	Small Structure Replacement
2001554	CV 042-055-47.90	Small Structure Replacement
2001555	CLV-24397	Small Structure Replacement
2001557	CLV-24377	Small Structure Replacement
2001558	CV 042-055-50.80	Small Structure Replacement
1800122	CV 042-055-51.40	Pipe Liner
2001559	CV 042-055-54.25	Small Structure Replacement

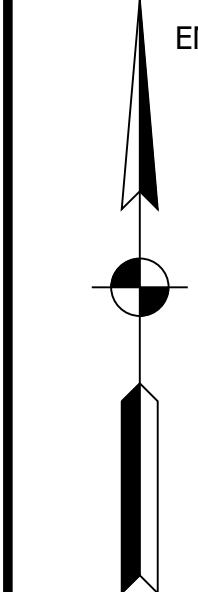
KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
2001548	CV 042-055-42.83 - 18' x 6' Rise, Small Structure Replacement
2001550	CLV-25115 - 4' x 3' Box, Small Structure Replacement
1800121	CV 042-055-44.05 - 14' x 7' Box, Pipe Liner
2001551	CV 042-055-44.16 - 20' x 8' Box, Small Structure Replacement
2001552	CLV-25089 - 5' X 3' Box Culvert, Small Structure Replacement
1601075	CLV-25123 & CLV-25065 - 36" Smooth Pipe, Small Structure Replacement
1701593	CV 042-055-47.32 - 12' x 4' Box, Small Structure Replacement
2001554	CV 042-055-47.90 - 11' x 5' Box, Small Structure Replacement
2001555	CLV-24397 - 12' x 4' Box, Small Structure Replacement
2001557	CLV-24377 - 60" x 38" RCPE, Small Structure Replacement
2001558	CV 042-055-50.80 - 12' x 6' Box, Small Structure Replacement
1800122	CV 042-055-51.40 - 11' x 6' Box, Pipe Liner
2001559	CV 042-055-54.25 - 10' x 6' Box, Small Structure Replacement



LOCATION MAP
MORGAN COUNTY, INDIANA



BEGIN: LATITUDE: 39° 31' 17" N LONGITUDE: 86° 38' 29" W
END: LATITUDE: 39° 34' 44" N LONGITUDE: 86° 28' 42" W



SCALE: 1" = 3000'

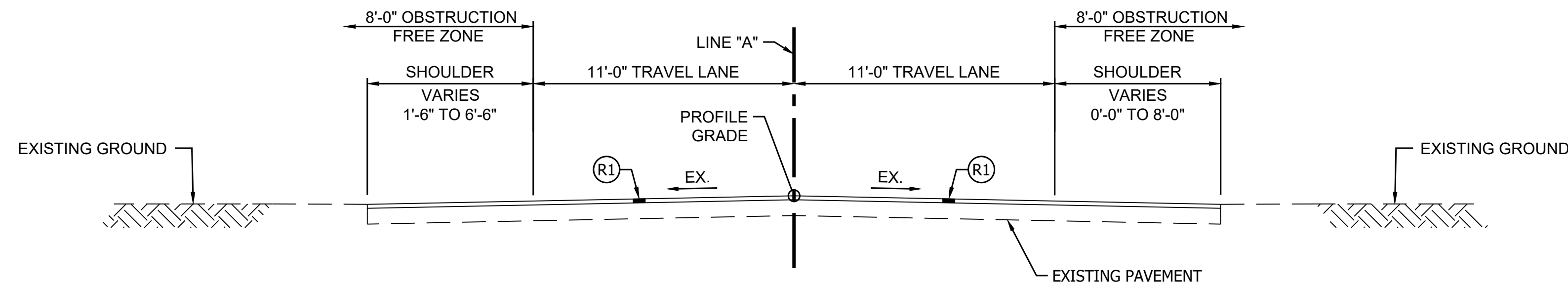
INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS.

PRINT DATE: 5/2/22 PLOT SCALE: 1:1 EDIT DATE: 7/12/11 - 1:55 PM EDITED BY: MMURRAY DRAWING FILE: P:\19-500-058-1 SR-42 HMA OVERLAY\ACAD\01 TITLE\RD-TITLE-SR42-HMA.DWG

RQAW INTENTIONAL INNOVATION
8770 NORTH ST., STE. 110
FISHERS, IN 46038
P: 317.588.1798
F: 317.588.1799
WWW.RQAW.COM

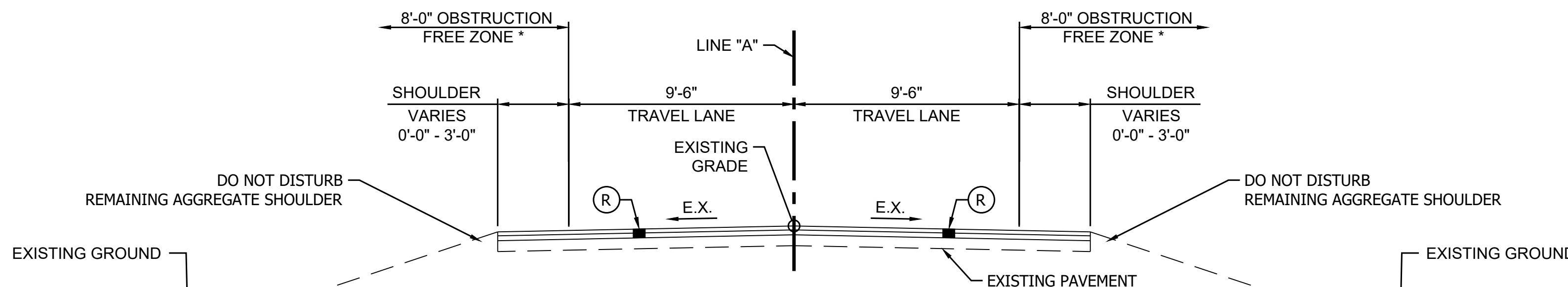
PLANS PREPARED BY:	RQAW Corporation	317-588-1798
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

SURVEY BOOK	SHEET
CONTRACT	1 of 86
R-40583	PROJECT
	1601075



TYPICAL SECTION

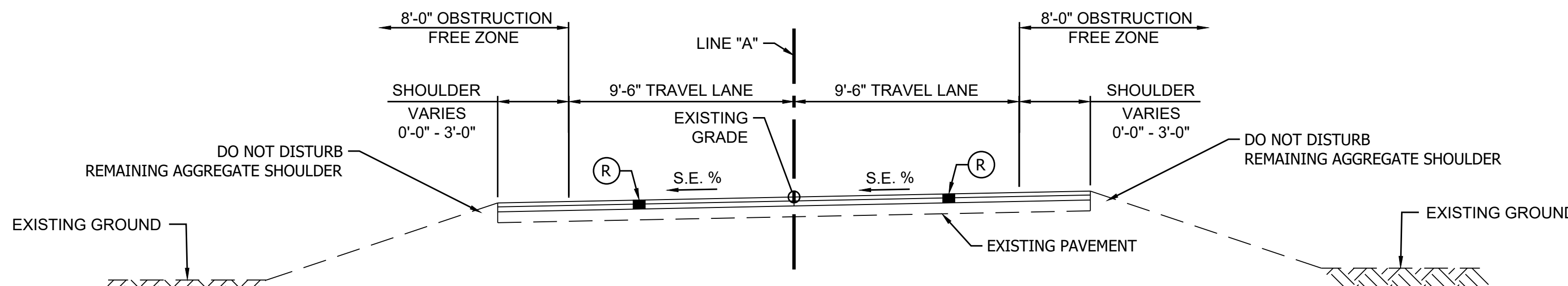
STA. 21+00.00 TO STA. 36+68.73 "A" (1)



TYPICAL SECTION

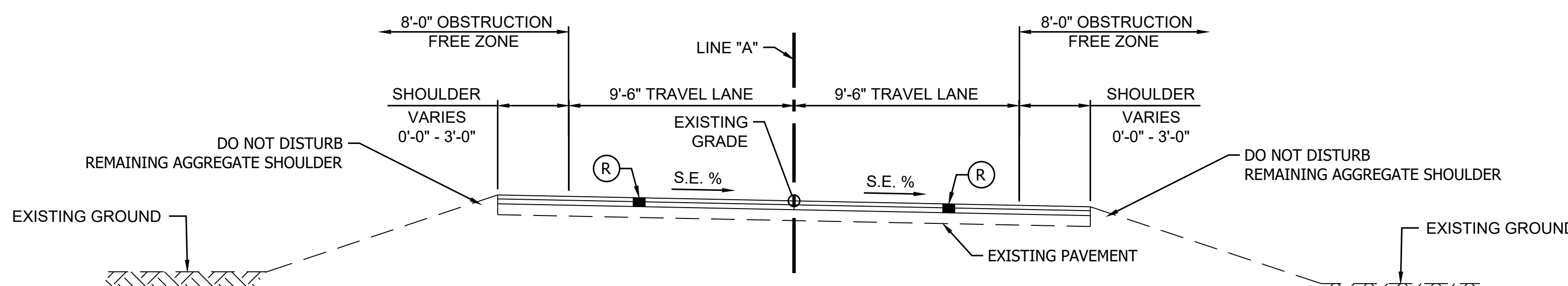
STA. 36+68.73 TO STA. 694+84.32 (1)(2)

* 12'-0" FROM STA 52+85 TO 73+60 AND FROM STA 588+87 TO 676+97



TYPICAL SECTION - SUPERELEVATION

STA. 98+03.00 TO STA. 102+30.00 "A" STA. 342+95.00 TO STA. 347+00.00 "A"
 STA. 173+40.00 TO STA. 178+52.00 "A" STA. 433+15.00 TO STA. 437+12.07 "A"
 STA. 223+48.00 TO STA. 226+73.00 "A"



TYPICAL SECTION - SUPERELEVATION

STA. 105+33.00 TO STA. 119+51.00 "A" STA. 395+43.00 TO STA. 399+77.00 "A"
 STA. 160+21.00 TO STA. 165+49.00 "A" STA. 437+12.07 TO STA. 440+16.00 "A"
 STA. 192+03.00 TO STA. 208+61.00 "A"

PAVING EXCEPTION

STA. 113+43.67 TO STA. 114+96.41 "A"
 STA. 516+36.67 TO STA. 517+72.04 "A"
 STA. 581+13.49 TO STA. 581+66.31 "A"

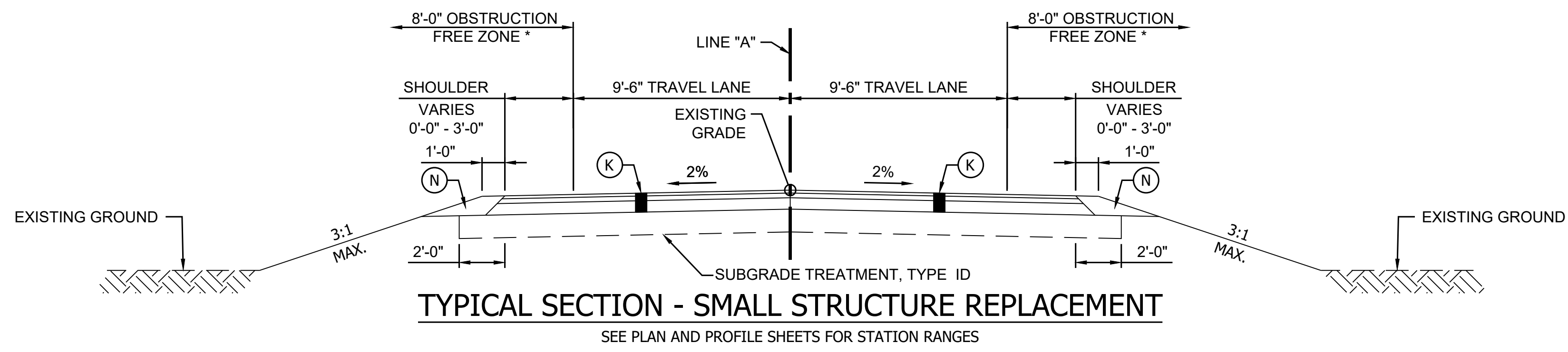
- (K) Full-Depth HMA (SMALL STRUCTURE REPLACEMENT)
 220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
 275 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm, on
 605 lbs/sys QC/QA-HMA, 3, 64, Base, 25.0mm, on
 Subgrade Treatment, Type ID, on
 Natural Subgrade (A-4)
- (R) Milling and Structural Overlay (RURAL)
 Milling, Asphalt, 4.5", followed by
 220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
 275 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm, on
 Existing HMA* (5.5" Average Remaining Thickness),
 on Natural Subgrade (A-6)
- (R1) Milling and Structural Overlay (URBAN)
 Milling, Asphalt, 2", followed by
 220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
 Existing HMA* (8" Average Remaining Thickness), on
 Natural Subgrade (A-6)
- (K3) Full-Depth HMA Patching (URBAN)
 Saw Cut Existing Asphalt Pavement and Remove, then
 HMA Patching Full Depth, Type C, Match Adjacent Remaining Pavement Thickness (10" Average), consisting of:
 550 lbs/sys HMA Patching Full Depth, Type C, Intermediate, (To Top of Adjacent Existing HMA Surface) on
 Variable Depth HMA Patching Full Depth, Type C, Base (550 lbs/sys Avg.), on
 Subgrade Treatment, Type II (6 in. Coarse Aggregate No. 53), on
 Geogrid Type IB (Per Standard Specification 918.05), on
 Natural Subgrade (A-6)
- (K1) Full-Depth HMA Patching (RURAL)
 Saw Cut Existing Milled Asphalt Pavement and Remove, then
 HMA Patching Full Depth, Type C, Match Adjacent Remaining Pavement Thickness (5.5" Average), consisting of:
 Variable Depth HMA Patching Full Depth, Type C, Base (605 lbs/sys Avg.), on
 Subgrade Treatment, Type II (6 in. Coarse Aggregate No. 53), on
 Geogrid Type IB (Per Standard Specification 918.05), on
 Natural Subgrade (A-6)
- (R3) Partial-Depth HMA Patching (URBAN)
 Milling, Asphalt, 5", then
 HMA Patching Partial Depth, Type C, consisting of:
 550 lbs/sys HMA Patching Partial Depth, Type C, Intermediate, (To Top of Adjacent Existing HMA Surface) on
 Existing HMA* (5" Average Remaining Thickness), on
 Natural Subgrade (A-6)
- (15) Combined Curb and Gutter, Modified (Match Existing)
- (O) Compacted Agg. No. 53

- (1) Ranges Include Full Depth HMA for Structure Replacement
 See Plan and Profile Sheets for Station Ranges
- (2) Range Include Superelevated Station Ranges
 See Superelevation Typical Sections for Superelevated Station Ranges

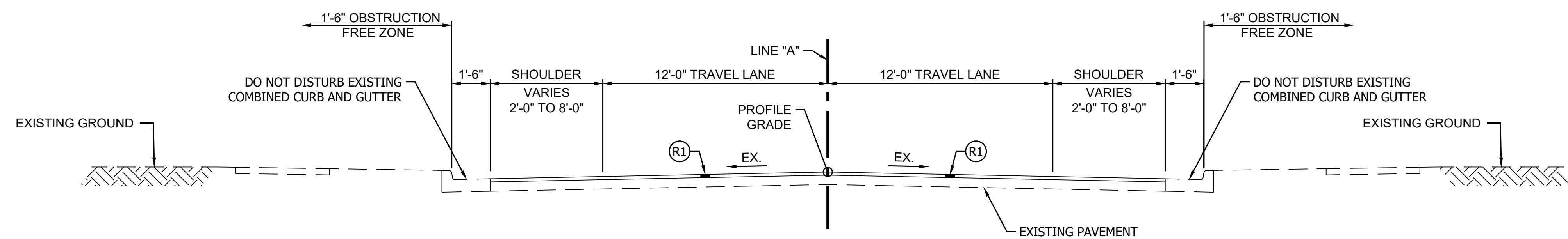
* 10'-0" Obstruction Free Zone Sta. 588+87.00 to Sta. 676+97.00

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 7/12/11 - 5:06 PM
 EDITED BY: YZHU
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\03 TYPICAL\SHIT.TYPICALS.DWG

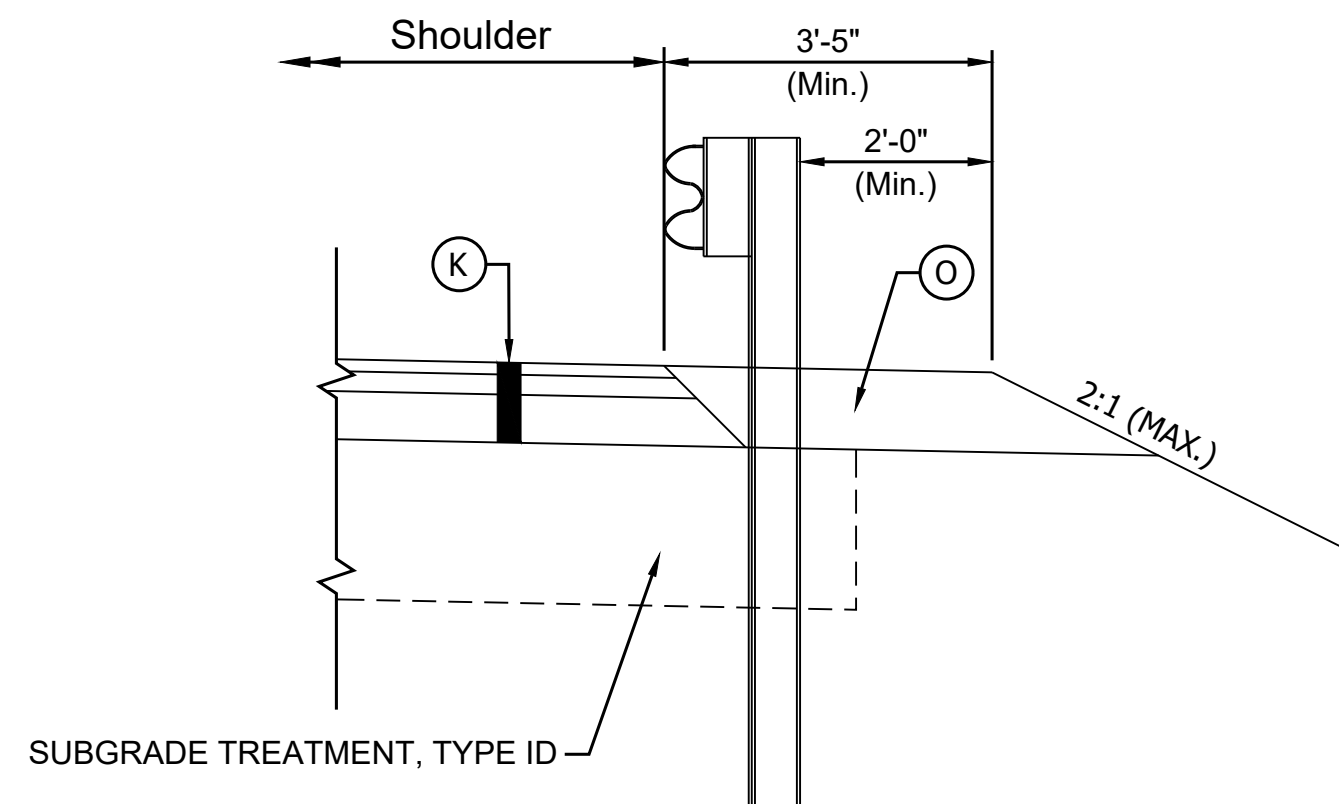
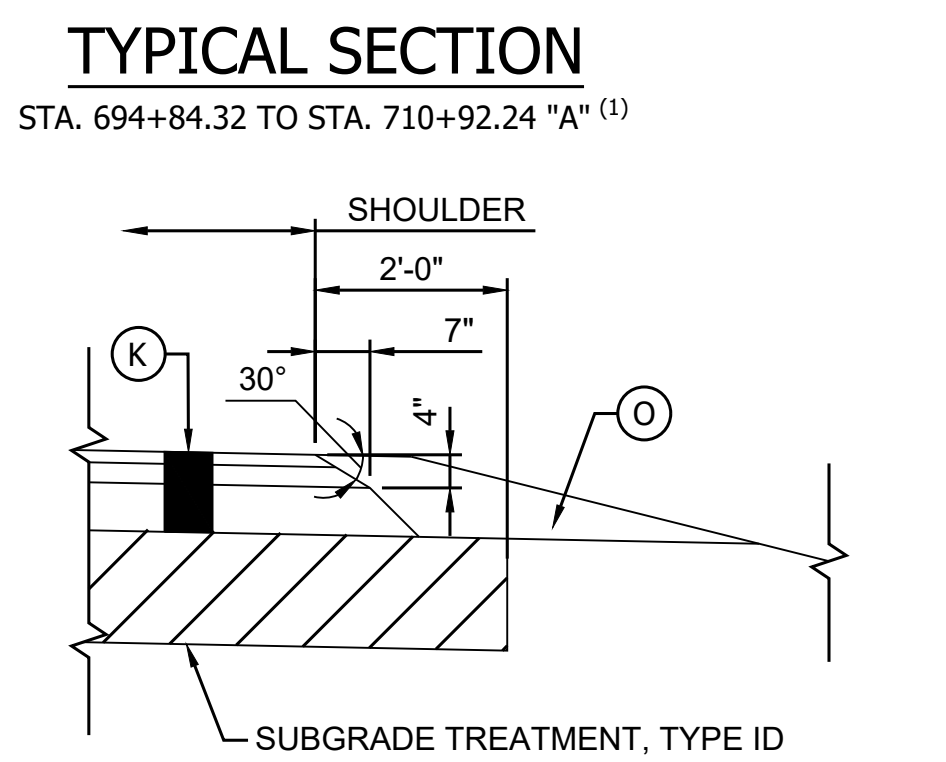
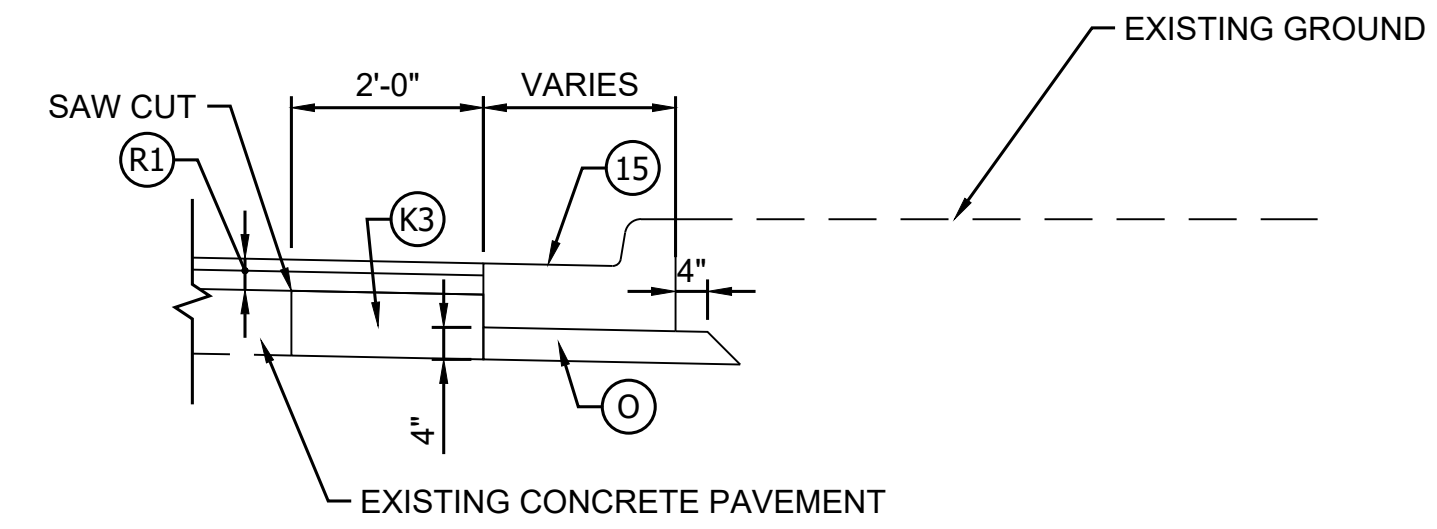
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: Y.Z.	DRAWN: M.R.M.		1/4" = 1'-0"	N/A
CHECKED: R.D.S.	CHECKED: Y.Z.		TYPICAL CROSS SECTIONS SR 42	VERTICAL SCALE	DESIGNATION
					1601075
				SURVEY BOOK	SHEET
				R-40583	3 of 86
				CONTRACT	PROJECT
					1601075



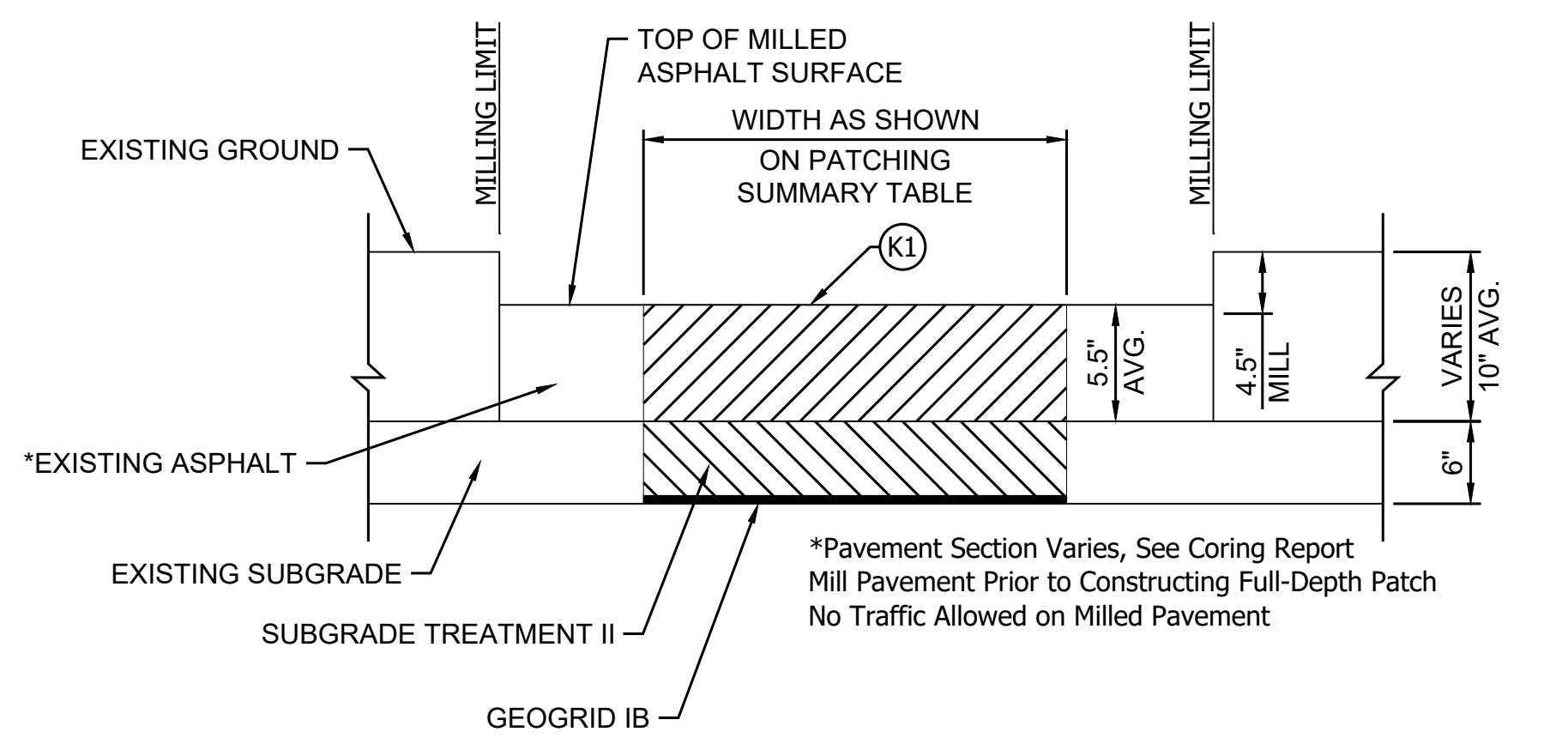
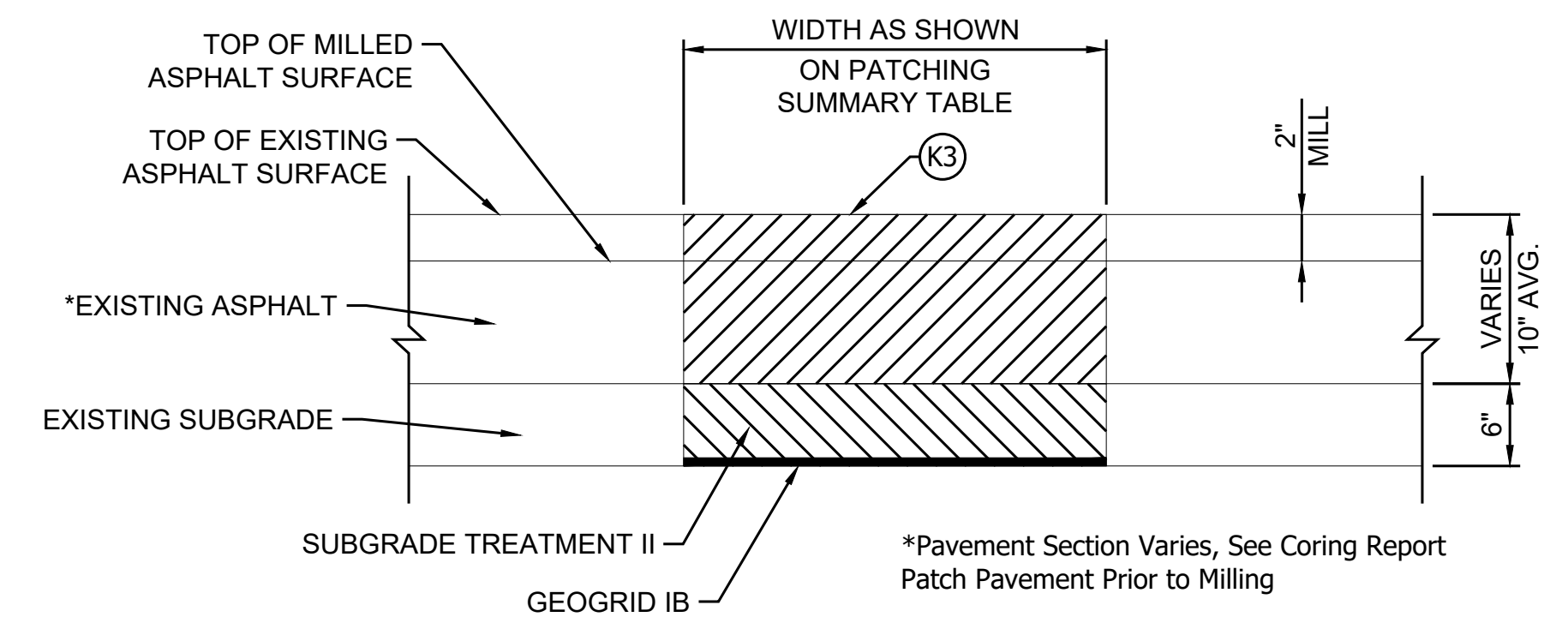
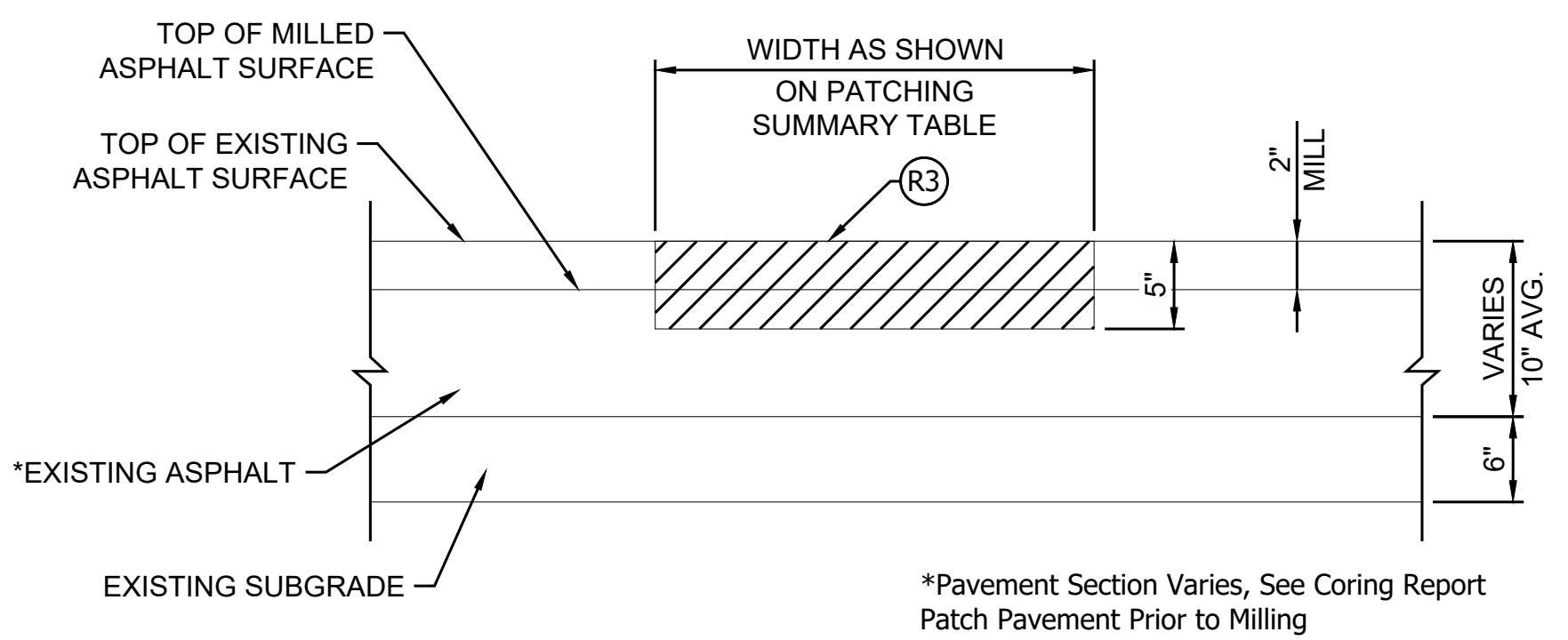
- (K) Full-Depth HMA (SMALL STRUCTURE REPLACEMENT)
220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm, on 605 lbs/sys QC/QA-HMA, 3, 64, Base, 25.0mm, on Subgrade Treatment, Type ID, on Natural Subgrade (A-4)
- (R) Milling and Structural Overlay (RURAL)
Milling, Asphalt, 4.5", followed by 220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0mm, on Existing HMA* (5.5" Average Remaining Thickness), on Natural Subgrade (A-6)
- (R1) Milling and Structural Overlay (URBAN)
Milling, Asphalt, 2", followed by 220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on Existing HMA* (8" Average Remaining Thickness), on Natural Subgrade (A-6)



- (K3) Full-Depth HMA Patching (URBAN)
Saw Cut Existing Asphalt Pavement and Remove, then HMA Patching Full Depth, Type C, Match Adjacent Remaining Pavement Thickness (10" Average), consisting of: 550 lbs/sys HMA Patching Full Depth, Type C, Intermediate, (To Top of Adjacent Existing HMA Surface) on Variable Depth HMA Patching Full Depth, Type C, Base (550 lbs/sys Avg.), on Subgrade Treatment, Type II (6 in. Coarse Aggregate No. 53), on Geogrid Type IB (Per Standard Specification 918.05), on Natural Subgrade (A-6)
- (K1) Full-Depth HMA Patching (RURAL)
Saw Cut Existing Milled Asphalt Pavement and Remove, then HMA Patching Full Depth, Type C, Match Adjacent Remaining Pavement Thickness (5.5" Average), consisting of: Variable Depth HMA Patching Full Depth, Type C, Base (605 lbs/sys Avg.), on Subgrade Treatment, Type II (6 in. Coarse Aggregate No. 53), on Geogrid Type IB (Per Standard Specification 918.05), on Natural Subgrade (A-6)



- (R3) Partial-Depth HMA Patching (URBAN)
Milling, Asphalt, 5", then HMA Patching Partial Depth, Type C, consisting of: 550 lbs/sys HMA Patching Partial Depth, Type C, Intermediate, (To Top of Adjacent Existing HMA Surface) on Existing HMA* (5" Average Remaining Thickness), on Natural Subgrade (A-6)
- (15) Combined Curb and Gutter, Modified (Match Existing)
- (O) Compacted Agg. No. 53



PRINT DATE: 5/2/22 PLOT SCALE: 1:1 EDIT DATE: 7/12/11 - 5:06 PM EDITED BY: YZHU DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\03 TYPICALS\TYPICALS.DWG

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: Y.Z.	DRAWN: M.R.M.	
CHECKED: R.D.S.	CHECKED: Y.Z.	

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS EXISTING SR 42

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
	1601075
SURVEY BOOK	SHEET
	4 of 86
CONTRACT	PROJECT
R-40583	1601075

Calculations:

SR 42 (EB & WB)	Area (SYS)	% of Total Pavement
Full Depth HMA Patching (Rural)	14813	12.45%
Full Depth HMA Patching (Urban)	2088	3.83%
Partial Depth HMA Patching (Urban)	900	1.65%
TOTAL	17801	

(includes undistributed qty)

(includes undistributed qty)

Legend:

Full = Full Depth HMA Patching
TL = Travel Lane
Sh = Shoulder

PB = Passing Blister
H = High Severity Distress
M = Medium Severity Distress

PRA = Public Road Approach

No.	Road	Direction	Begin RP	End RP	Length	Width	Area	Depth of Patch	Location	Observed Distress	Severity
					(LFT)	(LFT)	(SYS)				
1	SR 42	EB	42+94	42+92	100	12	133.3	Partial	TL	Core Distress	M
2	SR 42	EB	44+15	44+15	10	5	5.6	Full	TL	Transverse Cracking	H
3	SR 42	EB	44+18	44+18	10	4	4.4	Full	TL	Transverse Cracking	M
4	SR 42	EB	44+21	44+23	82	6	54.7	Full	TL	Longitudinal Cracking	H
5	SR 42	EB	44+26	44+35	460	6	306.7	Full	TL	Longitudinal Cracking	H
6	SR 42	EB	44+41	44+41	10	4	4.4	Full	TL	Transverse Cracking	H
7	SR 42	EB	44+56	44+56	12	10	13.3	Full	TL, SH	Edge Cracking	M
8	SR 42	EB	44+75	44+75	10	4	4.4	Full	TL	Transverse Cracking	M
9	SR 42	EB	44+84	44+86	80	12	106.7	Full	TL, SH	Fatigue Cracking	M
10	SR 42	EB	45+04	45+07	180	10	200.0	Full	TL	Fatigue Cracking/Core	M
11	SR 42	EB	45+58	45+60	93	4	41.3	Full	SH	Edge Cracking	H
12	SR 42	EB	45+63	45+67	203	4	90.2	Full	SH	Edge Cracking	H
13	SR 42	EB	46+61	46+62	42	4	18.7	Full	SH	Edge Cracking	H
14	SR 42	EB	46+74	46+74	20	10	22.2	Full	TL	Patch Deterioration	H
15	SR 42	EB	46+79	46+85	314	10	348.9	Full	TL	Longitudinal Cracking	H
16	SR 42	EB	46+90	46+91	56	5	31.1	Full	SH	Fatigue Cracking	M
17	SR 42	EB	46+91	46+95	185	6	123.3	Full	TL	Longitudinal Cracking	H
18	SR 42	EB	46+96	47+00	222	10	246.7	Full	TL, SH	Fatigue Cracking	M
19	SR 42	EB	47+01	47+02	50	4	22.2	Full	SH	Edge Cracking	M
20	SR 42	EB	47+03	47+03	10	10	11.1	Full	TL	Transverse Cracking	H
21	SR 42	EB	47+20	47+23	150	10	166.7	Full	TL, SH	Longitudinal & Edge Cracking	H
22	SR 42	EB	47+26	47+29	160	5	88.9	Full	TL	Longitudinal Cracking	M
23	SR 42	EB	47+40	47+40	26	4	11.6	Full	TL	Longitudinal Cracking	M
24	SR 42	EB	47+41	47+41	15	8	13.3	Full	TL	Longitudinal Cracking	H
25	SR 42	EB	47+43	47+45	84	6	56.0	Full	TL, SH	Longitudinal & Edge Cracking	H
26	SR 42	EB	47+51	47+53	93	8	82.7	Full	TL	Fatigue Cracking	H
27	SR 42	EB	47+55	47+56	67	8	59.6	Full	TL	Fatigue Cracking	H
28	SR 42	EB	47+57	47+58	46	4	20.4	Full	TL	Longitudinal Cracking	M
29	SR 42	EB	47+62	47+65	175	4	77.8	Full	TL	Longitudinal Cracking	H
30	SR 42	EB	47+73	47+74	59	6	39.3	Full	TL	Longitudinal Cracking	M
31	SR 42	EB	47+79	47+79	20	4	8.9	Full	TL, SH	Longitudinal & Edge Cracking	M
32	SR 42	EB	47+51	47+52	30	8	26.7	Full	TL	Fatigue Cracking	H
33	SR 42	EB	47+53	47+57	220	6	146.7	Full	TL	Fatigue Cracking	M
34	SR 42	EB	47+59	47+60	77	4	34.2	Full	TL	Longitudinal Cracking	M
35	SR 42	EB	47+78	47+79	72	4	32.0	Full	TL	Longitudinal Cracking	M
36	SR 42	EB	47+96	48+04	411	3	137.0	Full	SH	Edge Cracking	H
37	SR 42	EB	48+08	48+14	317	4	140.9	Full	TL, SH	Longitudinal & Edge Cracking	H
38	SR 42	EB	48+14	48+23	470	4	208.9	Full	SH	Edge Cracking	H
39	SR 42	EB	48+25	48+33	424	4	188.4	Full	SH	Edge Cracking	H
40	SR 42	EB	48+36	48+37	31	6	20.7	Full	TL, SH	Fatigue Cracking	H

No.	Road	Direction	Begin RP	End RP	Length	Width	Area	Depth of Patch	Location	Observed Distress	Severity
					(LFT)	(LFT)	(SYS)				
41	SR 42	EB	48+38	48+38	25	6	16.7	Full	TL	Fatigue Cracking	H
42	SR 42	EB	48+43	48+43	20	4	8.9	Full	TL	Fatigue Cracking	M
43	SR 42	EB	48+57	48+64	362	4	160.9	Full	TL	Longitudinal Cracking	M
44	SR 42	EB	48+72	48+81	490	6	326.7	Full	TL, SH	Fatigue & Edge Cracking	H
45	SR 42	EB	48+85	48+98	660	6	440.0	Full	TL, SH	Fatigue & Edge Cracking	H
46	SR 42	EB	49+10	49+12	117	4	52.0	Full	TL	Fatigue Cracking	M
47	SR 42	EB	49+15	49+17	97	5	53.9	Full	TL, SH	Fatigue & Edge Cracking	M
48	SR 42	EB	49+20	49+28	400	4	177.8	Full	TL	Longitudinal Cracking	H
49	SR 42	EB	49+35	49+36	58	6	38.7	Full	TL, SH	Fatigue & Edge Cracking	H
50	SR 42	EB	49+47	49+50	140	4	62.2	Full	TL	Longitudinal Cracking	H
51	SR 42	EB	49+61	49+67	336	4	149.3	Full	TL	Fatigue Cracking	M
52	SR 42	EB	49+70	49+71	61	6	40.7	Full	TL	Fatigue Cracking	M
53	SR 42	EB	49+76	49+79	162	6	108.0	Full	TL	Longitudinal Cracking	M
54	SR 42	EB	49+90	49+98	404	8	359.1	Full	TL	Fatigue Cracking	M
55	SR 42	EB	50+00	50+01	39	8	34.7	Full	TL	Longitudinal Cracking	H
56	SR 42	EB	50+04	50+05	50	6	33.3	Full	TL	Fatigue Cracking	M
57	SR 42	EB	50+51	50+53	80	10	88.9	Full	TL	Longitudinal Cracking	H
58	SR 42	EB	50+59	50+59	20	8	17.8	Full	TL	Transverse Cracking	H
59	SR 42	EB	50+71	50+72	56	10	62.2	Full	PRA	Fatigue & Edge Cracking	H
60	SR 42	EB	50+74	50+75	57	10	63.3	Full	TL	Fatigue Cracking	H
61	SR 42	EB	51+72	51+75	173	4	76.9	Full	SH	Edge Cracking	H
62	SR 42	EB	52+43	52+44	45	6	30.0	Full	SH	Edge Cracking	H
63	SR 42	EB	53+13	53+14	53	6	35.3	Full	SH	Edge Cracking	H
64	SR 42	EB	53+22	53+23	50	10	55.6	Full	TL	Patch Deterioration	H
65	SR 42	EB	53+23	53+23	20	10	22.2	Full	TL	Patch Deterioration	H
66	SR 42	EB	53+25	53+27	83	6	55.3	Full	TL, SH	Fatigue Cracking	H
67	SR 42	EB	54+37	54+40	155	4	68.9	Full	SH	Edge Cracking	H
68	SR 43	EB	54+50	54+53	155	4	68.9	Full	SH	Edge Cracking	H
69	SR 42	EB	54+67	54+90	1200	4	533.3	Full	TL, SH	Edge Cracking	H
70	SR 42	EB	55+28	55+29	45	6	30.0	Full	TL	Fatigue Cracking	H
71	SR 44	WB	55+38	55+00	750	6	500.0	Full	TL	Fatigue Cracking	H
72	SR 42	WB	55+29	55+28	34	4	15.1	Full	TL	Fatigue Cracking	M
73	SR 42	WB	55+19	55+18	45	4	20.0	Full	SH	Edge Cracking	H
74	SR 42	WB	55+06	55+05	43	5	23.9	Full	SH	Edge Cracking	H
75	SR 42	WB	54+35	54+27	440	8	391.1	Full	TL, SH	Edge Cracking	H
76	SR 42	WB	53+74	53+70	228	6	152.0	Full	TL	Longitudinal Cracking	M
77	SR 42	WB	53+56	53+46	512	6	341.3	Full	TL, SH	Fatigue & Edge Cracking	H
78	SR 42	WB	53+38	53+30	433	6	288.7	Full	SH	Edge Cracking	M
79	SR 42	WB	53+13	52+75	2000	4	888.9	Full	SH	Edge Cracking	H
80	SR 42	WB	52+49	52+40	450	4	200.0	Full	SH	Edge Cracking	M

Notes:

- A Chip Seal was performed in 2018. Distresses hidden under the treatment may also need to be patched. An Undistributed quantity of 500 SYS of patching is included for that reason.
- In the rural section, Milling, Asphalt, 4.5" shall be done first followed by patching. No traffic shall be allowed on the milled pavement.
- Patching locations should be verified in the field by the Engineer

PRINT DATE: 5/2/22 PLOT SCALE: 1:1 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\09 TABLES\SHFT TABLE PATCHING.DWG EDITED BY: MNURRAY

RECOMMENDED FOR APPROVAL	DESIGNED: <u>MSS</u>	DRAWN: <u>----</u>	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	CHECKED: <u>LLC</u>	CHECKED: <u>MSS</u>		1/4" = 1'-0"	N/A
			PATCHING TABLE SR 42	VERTICAL SCALE	DESIGNATION
				1601075	1601075
				SURVEY BOOK	SHEET
				5	of 86
				CONTRACT	PROJECT
				R-40583	1601075

Legend:

Full = Full Depth HMA Patching PB = Passing Blister PRA = Public Road Approach
 TL = Travel Lane H = High Severity Distress
 Sh = Shoulder M = Medium Severity Distress

No.	Road	Direction	Begin RP	End RP	Length	Width	Area	Depth of Patch	Location	Observed Distress	Severity	
					(LFT)	(LFT)	(SYS)					
81	SR 42	WB	51+87	51+83	190	4	84.4	Full	SH	Edge Cracking	M	
82	SR 42	WB	51+33	51+29	197	8	175.1	Full	TL	Longitudinal Cracking	H	
83	SR 42	WB	50+88	50+86	80	6	53.3	Full	PRA	Fatigue Cracking	H	
84	SR 42	WB	50+23	50+19	200	16	355.6	Full	TL & SH	Core Distress, Edge Cracking	M	
85	SR 42	WB	49+98	49+96	127	4	56.4	Full	SH	Edge Cracking	H	
86	SR 42	WB	49+77	49+72	245	10	272.2	Full	TL	Fatigue Cracking	M	
87	SR 42	WB	49+56	49+49	352	6	234.7	Full	TL	Fatigue & Block Cracking	H	
88	SR 42	WB	49+28	49+08	1039	10	1154.4	Full	TL	Fatigue Cracking	H	
89	SR 42	WB	49+31	49+30	30	5	16.7	Full	PRA	Fatigue Cracking	H	
90	SR 42	WB	49+21	49+08	707	10	785.6	Full	TL	Fatigue & Edge Cracking	M	
91	SR 42	WB	48+86	48+73	680	8	604.4	Full	TL	Fatigue & Longitudinal Cracking	M	
92	SR 42	WB	48+69	48+56	664	10	737.8	Full	TL, SH	Fatigue, Longitudinal & Edge Cracking	M	
93	SR 42	WB	48+21	48+17	190	10	211.1	Full	TL	Fatigue Cracking	H	
94	SR 42	WB	47+72	47+67	279	6	186.0	Full	TL	Longitudinal Cracking	H	
95	SR 42	WB	47+54	47+40	718	6	478.7	Full	TL	Fatigue, Longitudinal & Block Cracking	H	
96	SR 42	WB	47+30	47+29	30	10	33.3	Full	TL	Transverse Cracking	H	
97	SR 42	WB	47+13	47+05	407	4	180.9	Full	SH	Edge Cracking	H	
98	SR 42	WB	47+02	47+00	107	5	59.4	Full	TL	Fatigue Cracking	H	
99	SR 42	WB	46+74	46+73	30	10	33.3	Full	TL	Patch Deterioration	H	
100	SR 42	WB	46+74	46+69	274	4	121.8	Full	TL	Edge Cracking	H	
101	SR 42	WB	45+78	45+77	50	10	55.6	Full	TL	Core Distress	H	
102	SR 42	WB	45+32	45+31	43	4	19.1	Full	SH	Edge Cracking	H	
103	SR 42	WB	44+67	44+65	100	12	133.3	Partial	TL	Core Distress	M	
104	SR 42	WB	44+41	44+41	20	10	22.2	Full	TL	Transverse Cracking	H	
105	SR 42	WB	44+28	44+26	88	4	39.1	Full	SH	Edge Cracking	H	
106	SR 42	WB	44+21	44+21	20	10	22.2	Full	TL	Transverse Cracking	H	
107	SR 42	WB	44+17	44+16	74	4	32.9	Full	SH	Edge Cracking	H	
108	SR 42	WB	43+88	43+87	72	8	64.0	Full	TL	Fatigue & Edge Cracking	M	
109	SR 42	WB	43+71	43+64	362	6	241.3	Full	TL, SH	Fatigue & Edge Cracking	H	
110	SR 42	WB	43+57	43+57	10	10	11.1	Full	TL	Transverse Cracking	M	
111	SR 42	WB	43+39	43+38	53	6	35.3	Full	SH	Edge Cracking	M	
112	SR 42	WB	43+31	43+30	56	4	24.9	Full	SH	Edge Cracking	H	
113	SR 42	WB	43+23	43+21	125	8	111.1	Full	TL	Fatigue Cracking	M	
114	SR 42	WB	43+18	43+17	60	8	53.3	Full	TL	Fatigue Cracking	M	
115	SR 42	WB	42+70	42+68	100	12	133.3	Partial	TL	Core Distress	M	
116	SR 42	WB	43+08	43+06	115	5	63.9	Full	TL	Longitudinal Cracking	M	
Urban (Monrovia)												
117	SR 42	EB	55+69	55+71	95	6	63.3	Full	TL	Patch Deterioration	H	
118	SR 42	WB	55+71	55+69	95	6	63.3	Full	TL	Patch Deterioration	H	
119	SR 43	WB	55+47	55+38	500	6	333.3	Full	TL	Fatigue Cracking	H	
120	SR 42		Additional Undistributed Quantity for Partial-Depth Patching				500.0	Full	TBD in Field	For distresses hidden by winter maintenance operations		M
121	SR 42		Additional Undistributed Quantity for Full-Depth Patching				500.0	Full	TBD in Field	For distresses hidden by winter maintenance operations		M

Notes:

1. A Chip Seal was performed in 2018. Distresses hidden under the treatment may also need to be patched. An Undistributed quantity of 500 SYS of patching is included for that reason.
2. In the rural section, Milling, Asphalt, 4.5" shall be done first followed by patching. No traffic shall be allowed on the milled pavement.
3. Patching locations should be verified in the field by the Engineer

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		DESIGNED: <u>MSS</u>	DRAWN: <u>----</u>		VERTICAL SCALE	DESIGNATION 1601075
		CHECKED: <u>LLC</u>	CHECKED: <u>MSS</u>		SURVEY BOOK	SHEET 6 of 86
					CONTRACT R-40583	PROJECT 1601075

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4 33

32 32
33 33

32 29
33 28

4 33
4 33

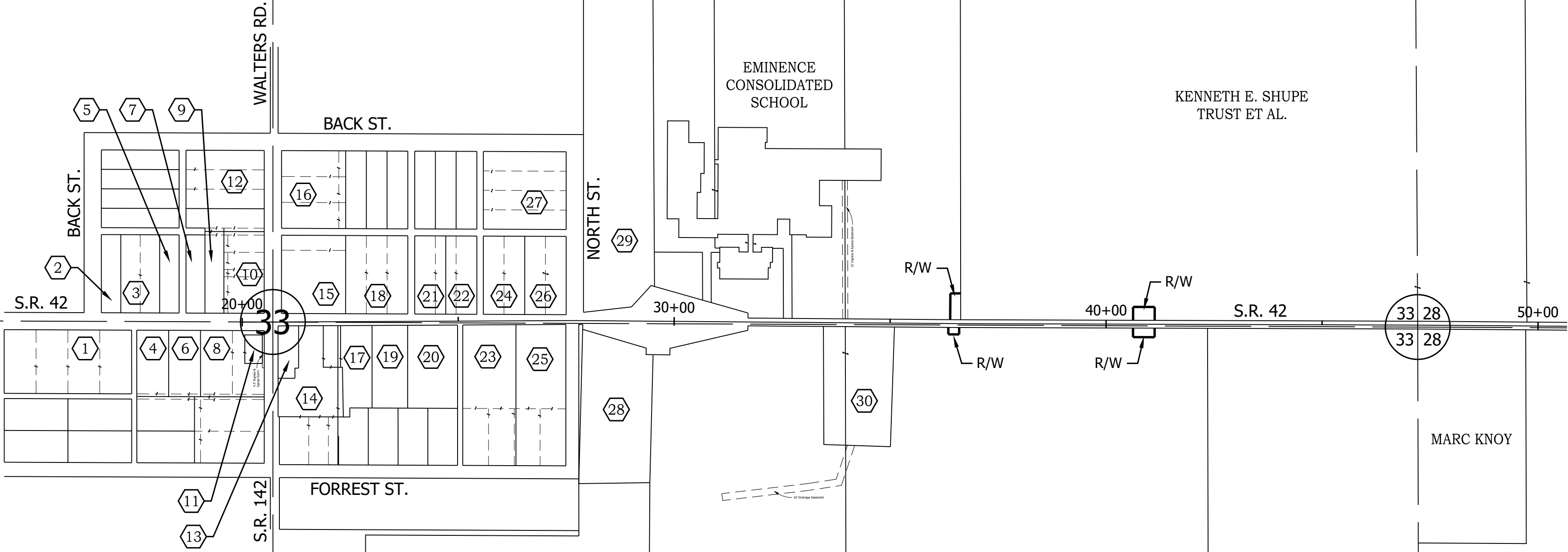
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33 28

4 33
3 34

33 33
34 34

33 28
32 27

SEC. 33, T13N, R2W
ADAMS TWP.
MORGAN CO.



INDEX NO.	OWNER
1	K. MICHELLE GRAVES-MOORE
2	PATRICK & DEBORAH HARTMAN
3	ARNOLD W. & ELIZABETH A. CATT
4	JERRY T. & DIANA L. DART
5	JOHN J. & NANCY A. SHOFFNER
6	TOMMY E. & DONNA J. PARSONS
7	JOHN B. BLAYDOE
8	CITIZENS BANK
9	JOSEPH D. DELP
10	A & A TOWNSHIP VOLUNTEER FIRE DEPT., INC.
11	EMINENCE LODGE #317 IOOF
12	ROBERT V. & TONIA L. MITCHELL
13	GASH, MAX T.
14	HOWELL, CHARLES T.
15	EMINENCE BAPTIST CHURCH

INDEX NO.	OWNER
16	TLH CONSTRUCTION
17	JOSEPH T., JR. & DEBBRA S. KUKMAN
18	DEAN L. & LITISHA D. HUDSON
19	EMMA LOU REVOCABLE TRUST
20	EMMA L. RHEA
21	C & C KOGER RESIDENTIAL, LLC
22	RUSS R. & GLEN DALYN D. RHEA
23	THOMAS A. & BETTY L. MCKINNEY
24	EMMA LOU RHEA RECOCABLE TRUST
25	RICHARD G. JR & NANCY L. HAWKINS
26	JOHN J. ELLIOTT
27	TRESTER, BARY G. & TRACI L.
28	NANCY'S TRADING CENTER
29	FRANK A. & THELMA M. BELCHER
30	ROY J. BROWN

PRINT DATE: 5/2/22
PLOT SCALE: 1:1
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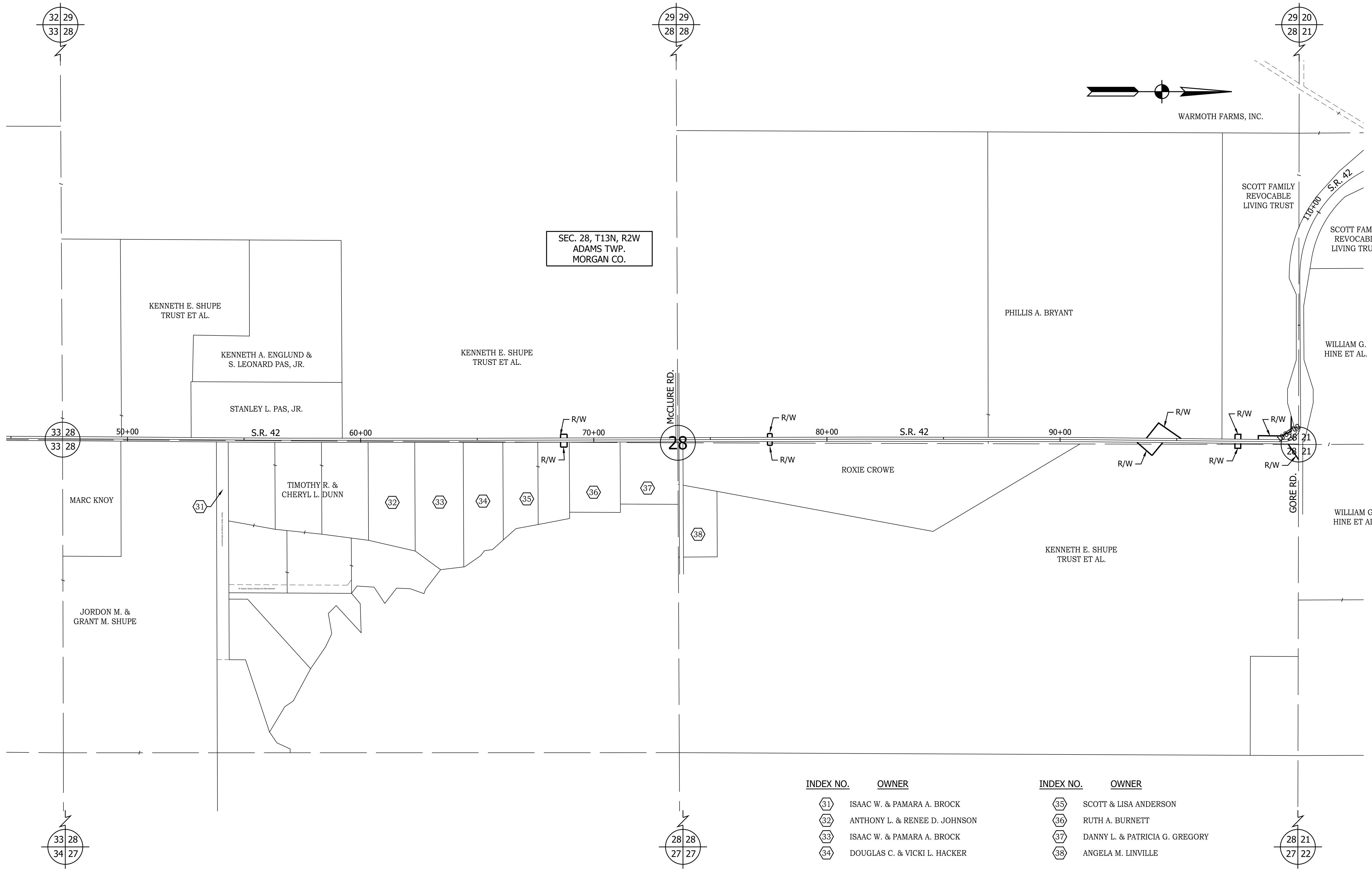
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DESIGNED: MSS	DRAWN: REW	
CHECKED: LLC	CHECKED: MSS	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	7 of 86
CONTRACT	PROJECT
R-40583	1601075

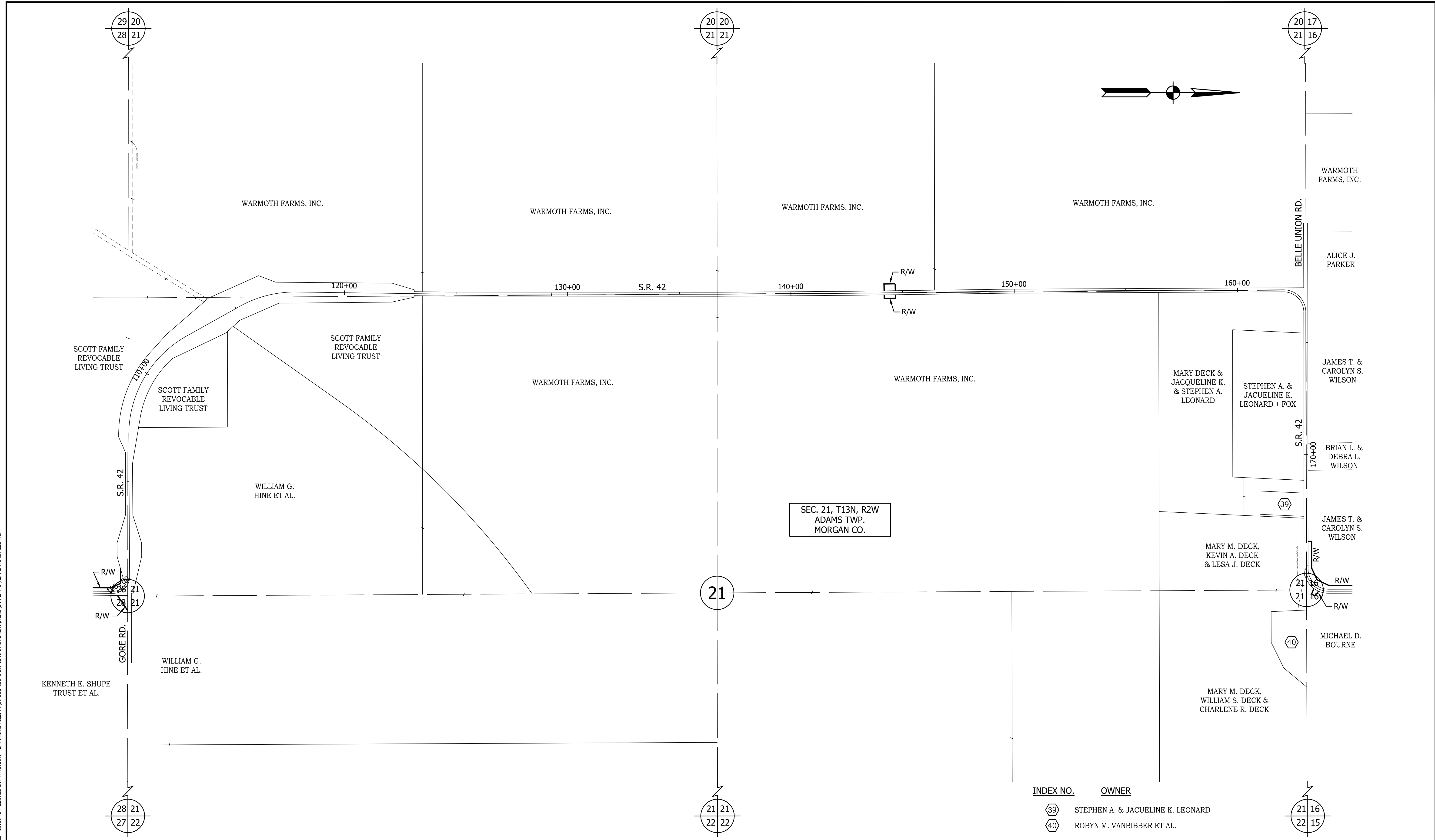
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INDEX NO.	OWNER	INDEX NO.	OWNER
31	ISAAC W. & PAMARA A. BROCK	35	SCOTT & LISA ANDERSON
32	ANTHONY L. & RENEE D. JOHNSON	36	RUTH A. BURNETT
33	ISAAC W. & PAMARA A. BROCK	37	DANNY L. & PATRICIA G. GREGORY
34	DOUGLAS C. & VICKI L. HACKER	38	ANGELA M. LINVILLE

	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 200' VERTICAL SCALE N/A
	DESIGNED: <u>MSS</u> DRAWN: <u>REW</u> CHECKED: <u>LLC</u> CHECKED: <u>MSS</u>	PLAT NO. 1	BRIDGE FILE N/A DESIGNATION 1601075 SURVEY BOOK SHEET 8 of 86 CONTRACT PROJECT R-40583 1601075

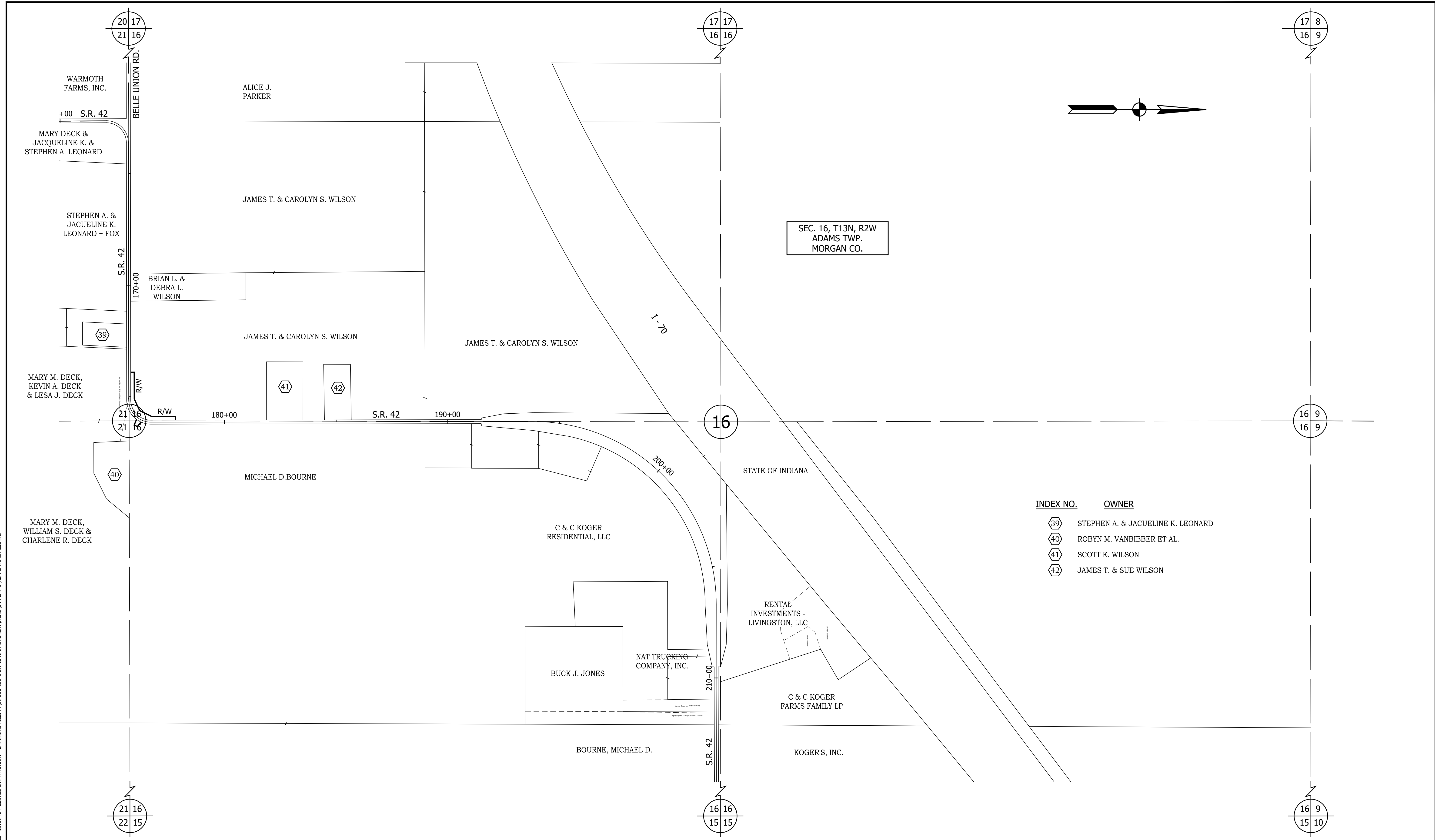
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INDEX NO.	OWNER
39	STEPHEN A. & JACUELINE K. LEONARD
40	ROBYN M. VANBIBBER ET AL.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
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			SURVEY BOOK	SHEET
				9 of 86
			CONTRACT	PROJECT
			R-40583	1601075

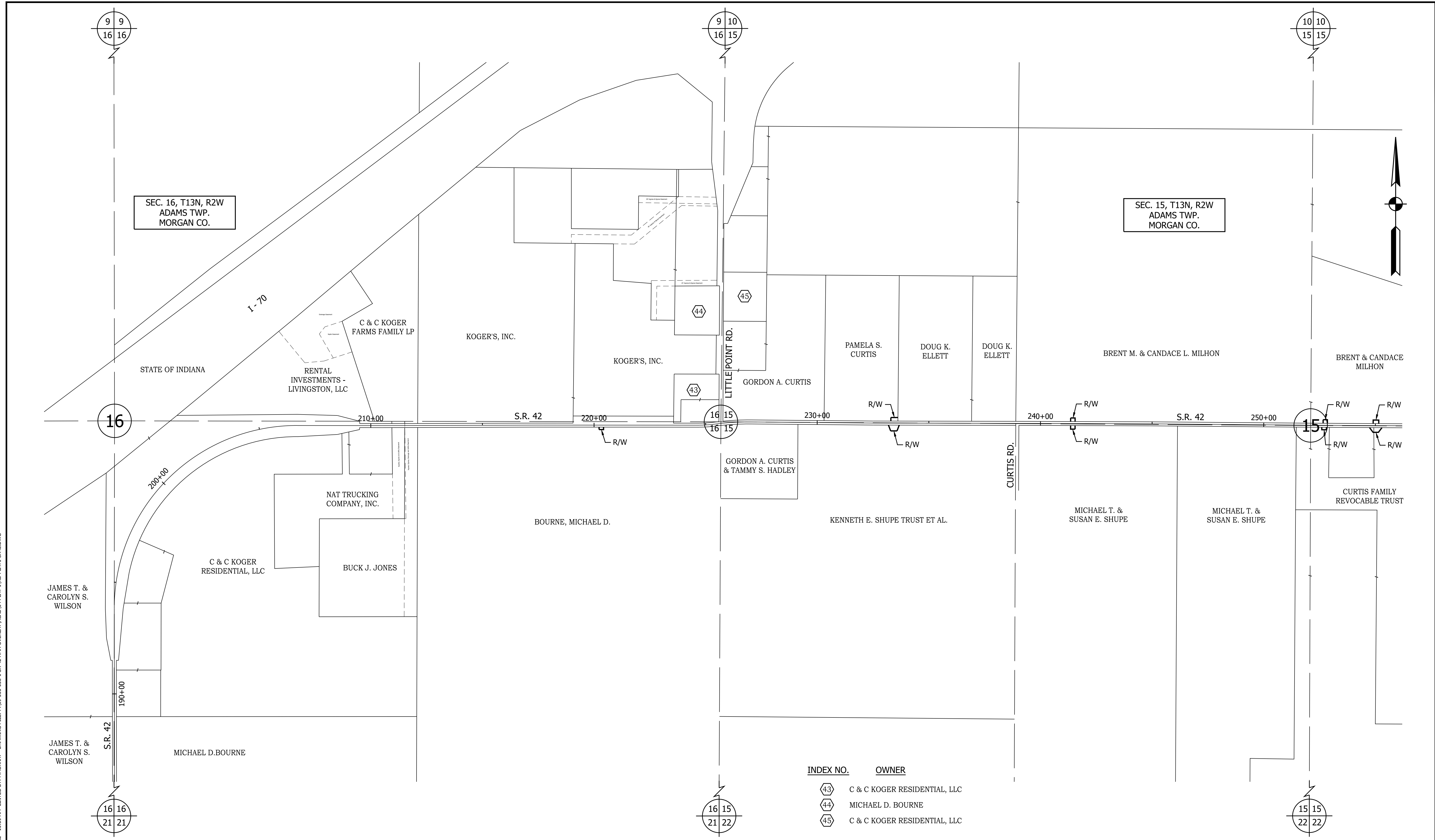
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INDEX NO.	OWNER
39	STEPHEN A. & JACUELINE K. LEONARD
40	ROBYN M. VANBIBBER ET AL.
41	SCOTT E. WILSON
42	JAMES T. & SUE WILSON

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
			1" = 200'	N/A
DESIGNED: MSS	DRAWN: REW	PLAT NO. 1	VERTICAL SCALE	DESIGNATION
CHECKED: LLC	CHECKED: MSS		N/A	1601075
			SURVEY BOOK	SHEET
			CONTRACT	10 of 86
			R-40583	PROJECT
				1601075

PRINT DATE: 5/2/22
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INDEX NO.	OWNER
43	C & C KOGER RESIDENTIAL, LLC
44	MICHAEL D. BOURNE
45	C & C KOGER RESIDENTIAL, LLC

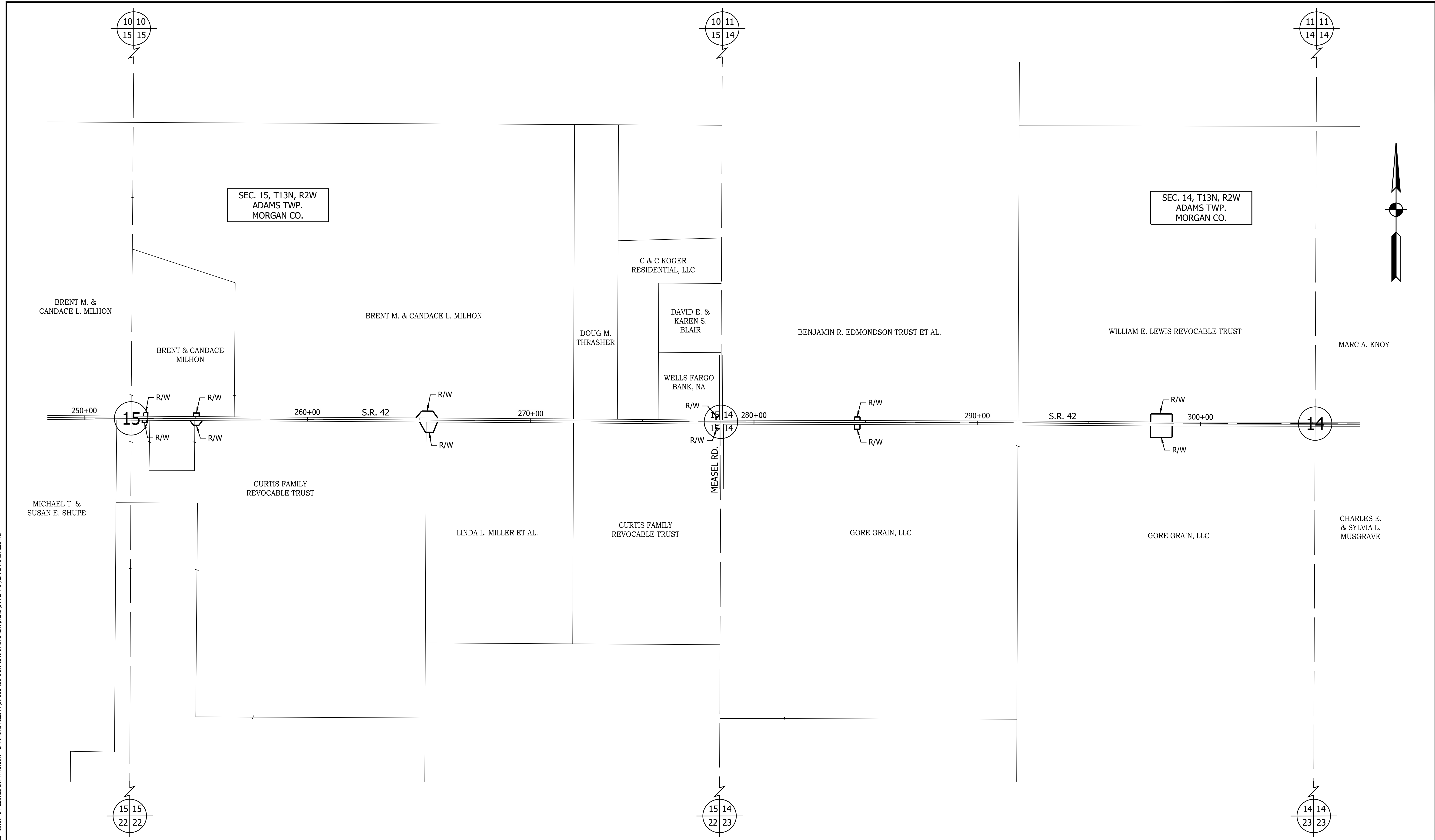
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CHECKED: LLC	CHECKED: MSS	

INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

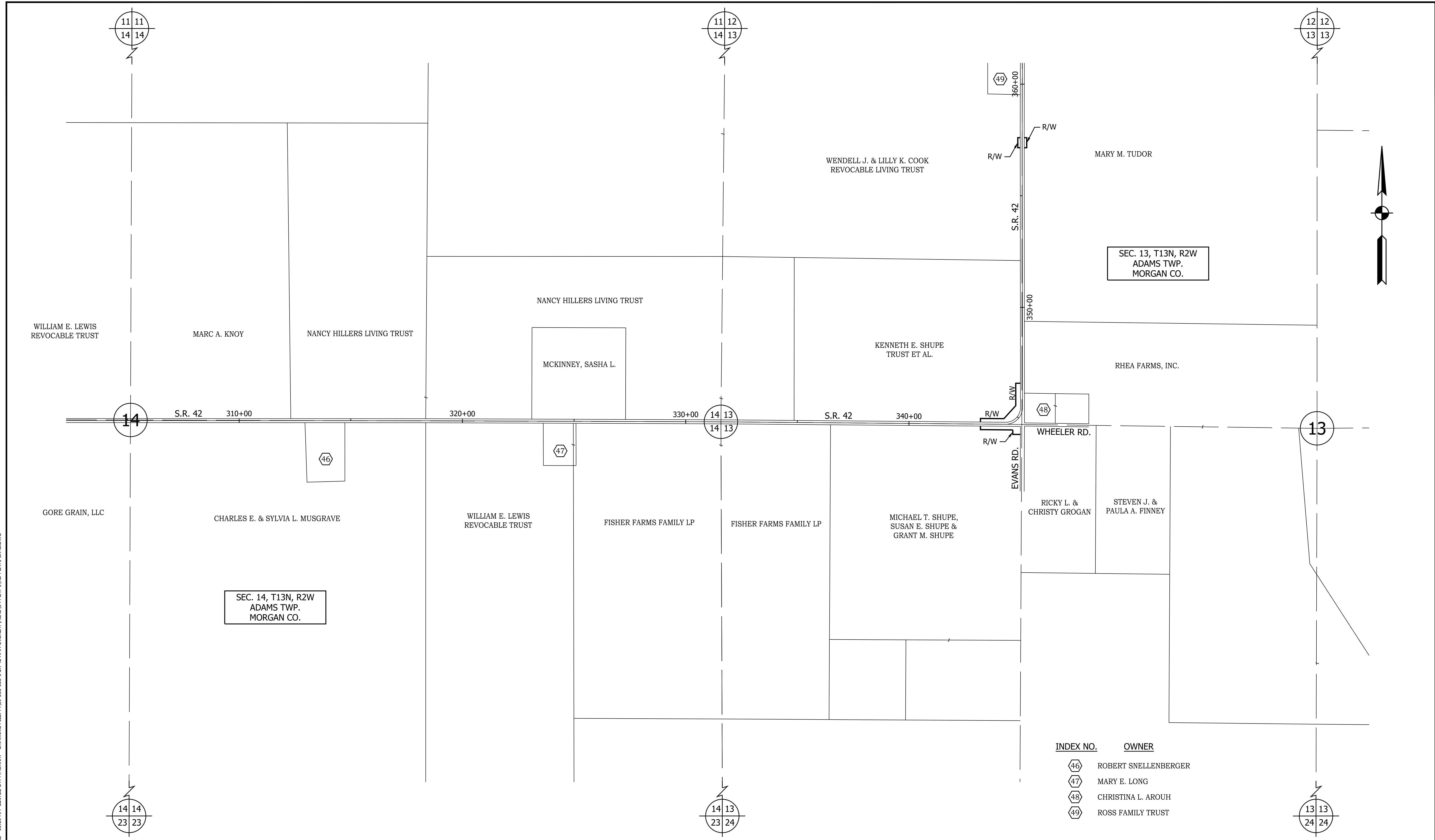
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VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	11 of 86
CONTRACT	PROJECT
R-40583	1601075

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	RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION PLAT NO. 1	HORIZONTAL SCALE	BRIDGE FILE
					1" = 200'	N/A
					VERTICAL SCALE	DESIGNATION
					N/A	1601075
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	CHECKED: LLC	CHECKED: MSS				12 of 86
					CONTRACT	PROJECT
					R-40583	1601075

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INDEX NO.	OWNER
46	ROBERT SNELLENBERGER
47	MARY E. LONG
48	CHRISTINA L. AROUH
49	ROSS FAMILY TRUST

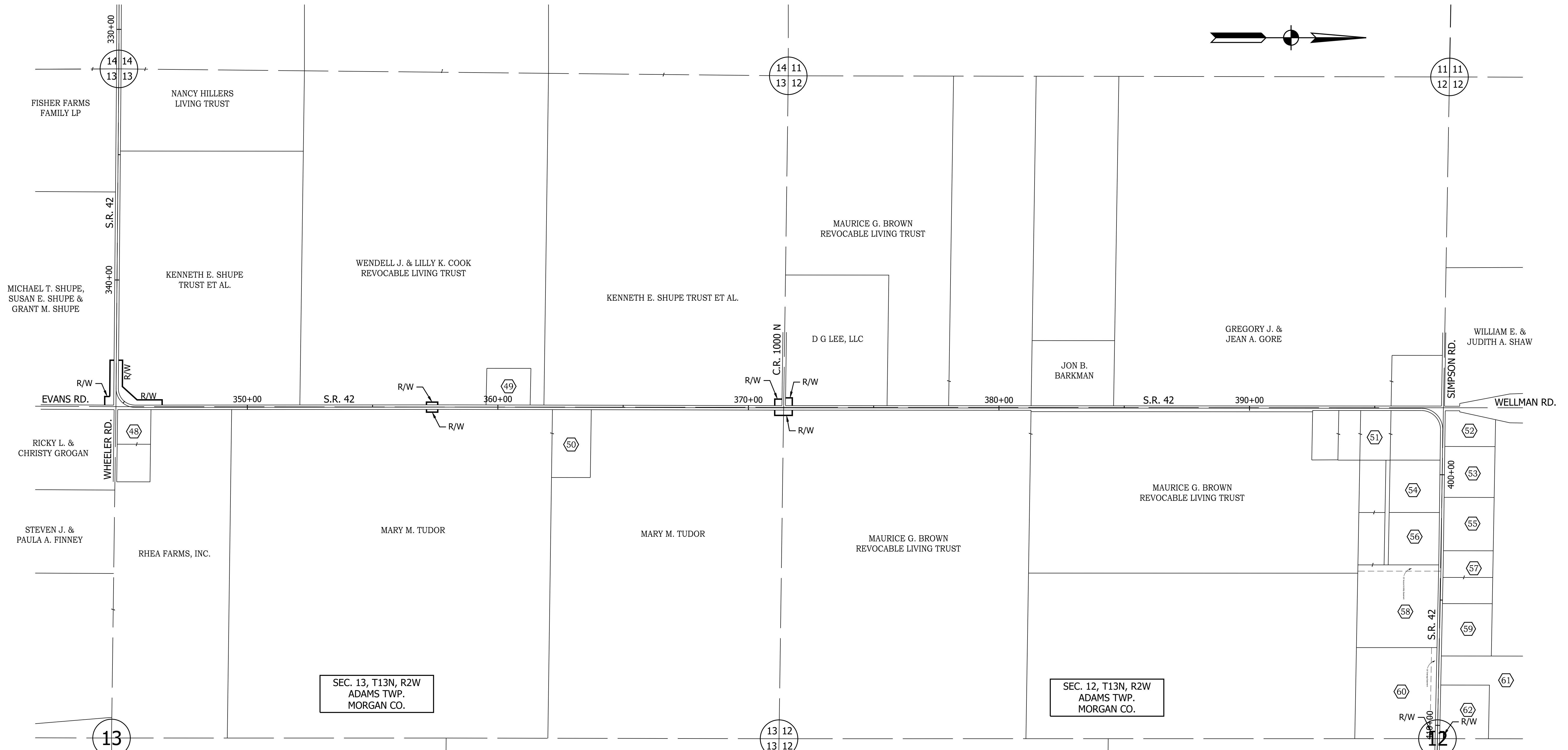
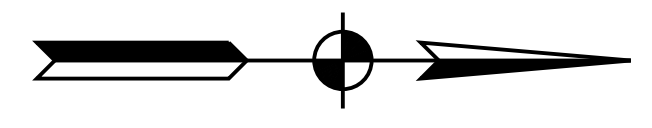
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CHECKED: <u>LLC</u>	CHECKED: <u>MSS</u>

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAT NO. 1	

HORIZONTAL SCALE 1" = 200'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1601075
SURVEY BOOK	SHEET 13 of 86
CONTRACT R-40583	PROJECT 1601075

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INDEX NO.	OWNER
48	CHRISTINA L. AROUH
49	ROSS FAMILY TRUST
50	RANDALL A. STEWART ET AL.
51	MT. TABOR CHRISTIAN CHURCH
52	WILLIAM G. & TIFFANY L. GARL

INDEX NO.	OWNER
53	ANNA M. BROCK
54	DOUBLE H PROPERTY MANAGEMENT XI, LLC
55	FRANK R. & CHRISTINA R. BROCK
56	MARK E. DROWNING, JR.
57	NAOMI FERRAND

INDEX NO.	OWNER
58	DAVID A. ROSS & ANGELA N. PERDEW
59	SCOTT J. PARSONS
60	DAVID W. & DEBORAH K. OGLES
61	W. JACK & LILLY K. COOK
62	PAUL R. & SHARON K. SZALAY

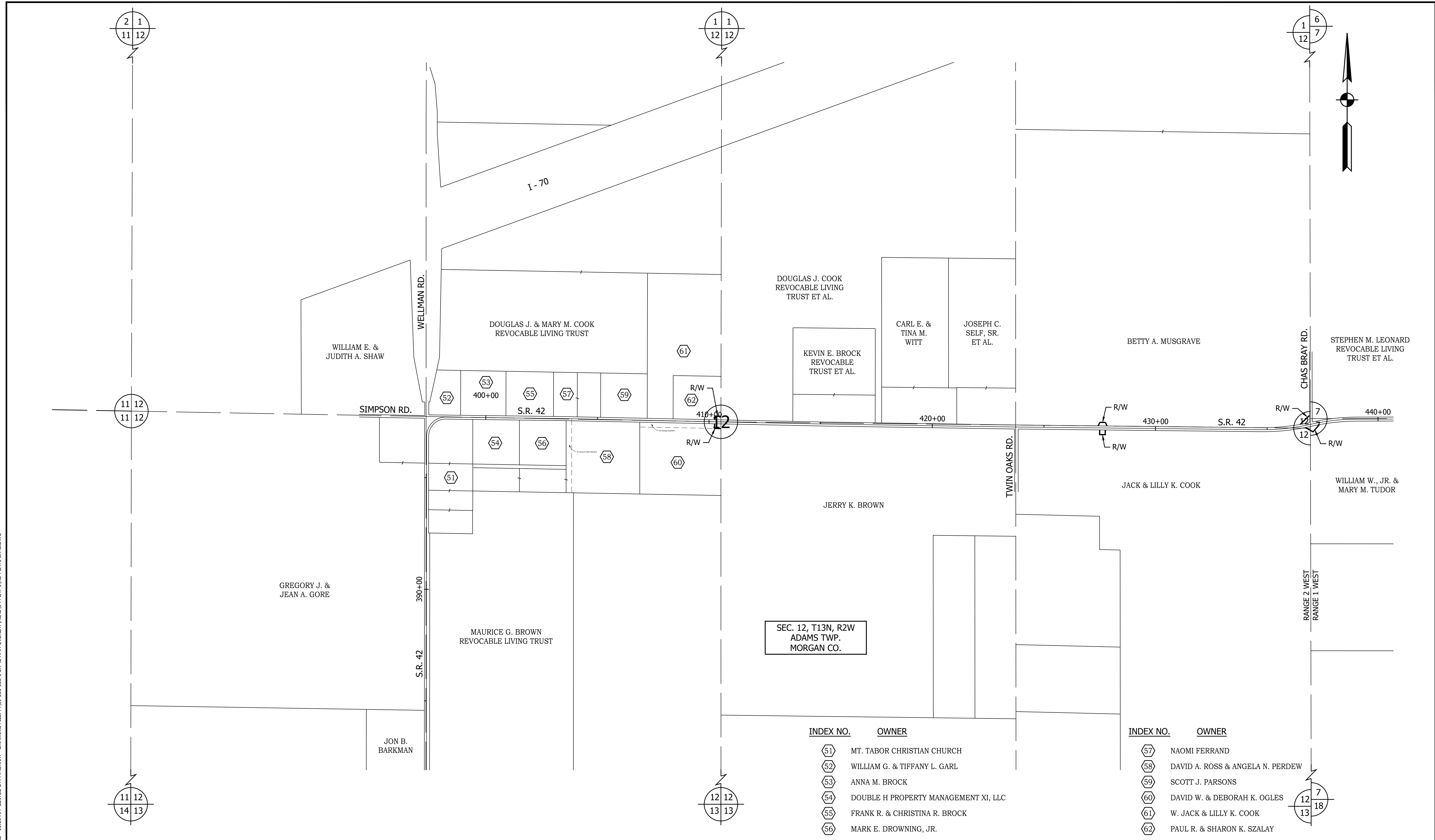
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CHECKED: LLC	CHECKED: MSS	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	14 of 86
CONTRACT	PROJECT
R-40583	1601075

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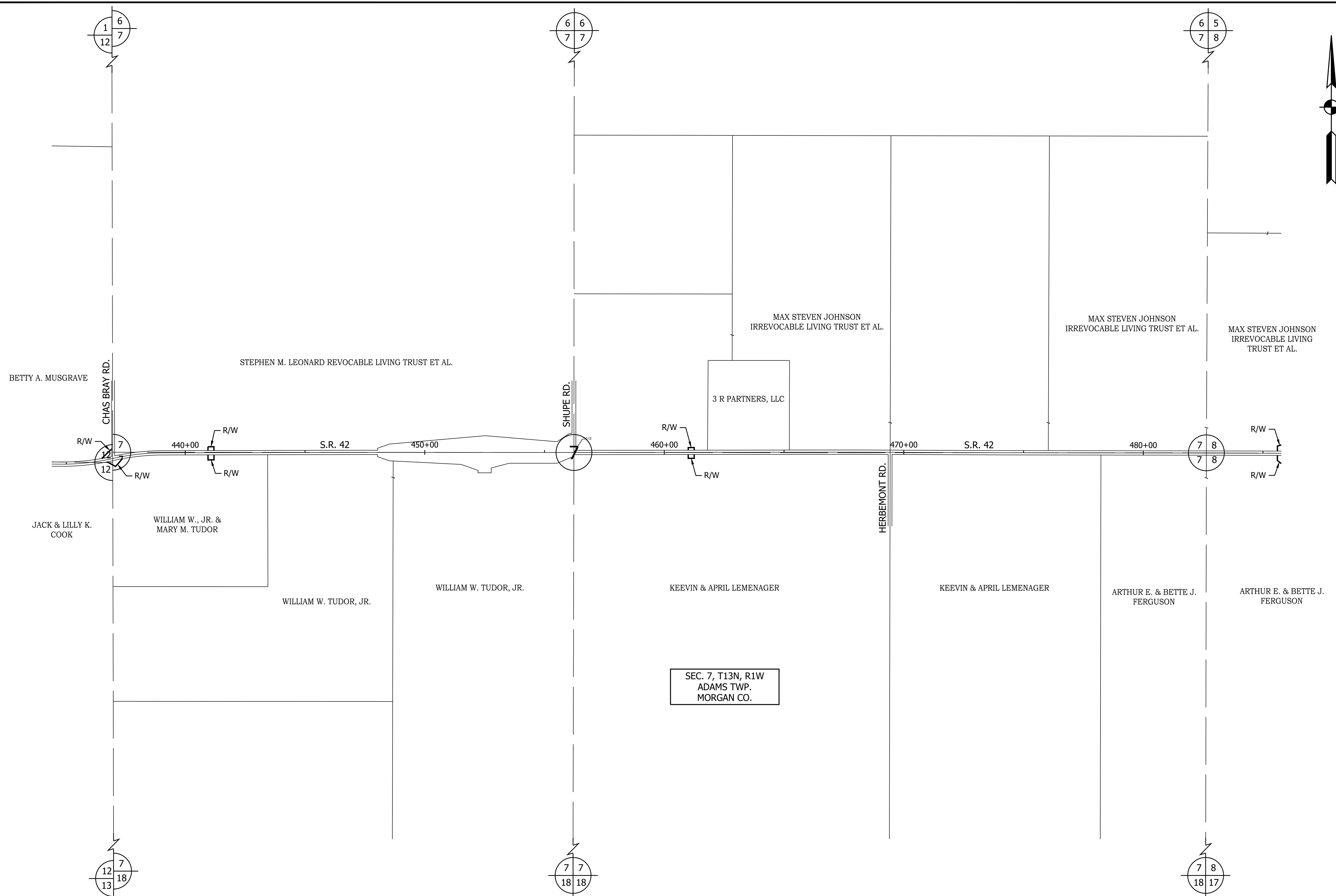


INDEX NO.	OWNER
51	MT. TABOR CHRISTIAN CHURCH
52	WILLIAM G. & TIFFANY L. GARL
53	ANNA M. BROCK
54	DOUBLE H PROPERTY MANAGEMENT XI, LLC
55	FRANK R. & CHRISTINA R. BROCK
56	MARK E. DROWNING, JR.

INDEX NO.	OWNER
57	NAOMI FERRAND
58	DAVID A. ROSS & ANGELA N. PERDEW
59	SCOTT J. PARSONS
60	DAVID W. & DEBORAH K. OGLES
61	W. JACK & LILLY K. COOK
62	PAUL R. & SHARON K. SZALAY

	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 200' VERTICAL SCALE N/A	BRIDGE FILE N/A DESIGNATION 1601075
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	PLAT NO. 1	SURVEY BOOK _____	SHEET 15 of 86
DESIGNED: <u>MSS</u> DRAWN: <u>REW</u>		CONTRACT R-40583	PROJECT 1601075
CHECKED: <u>LLC</u> CHECKED: <u>MSS</u>			

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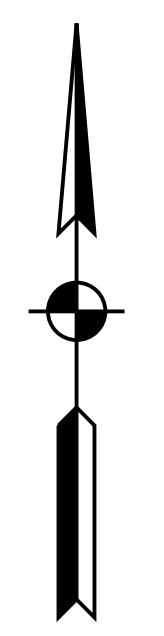
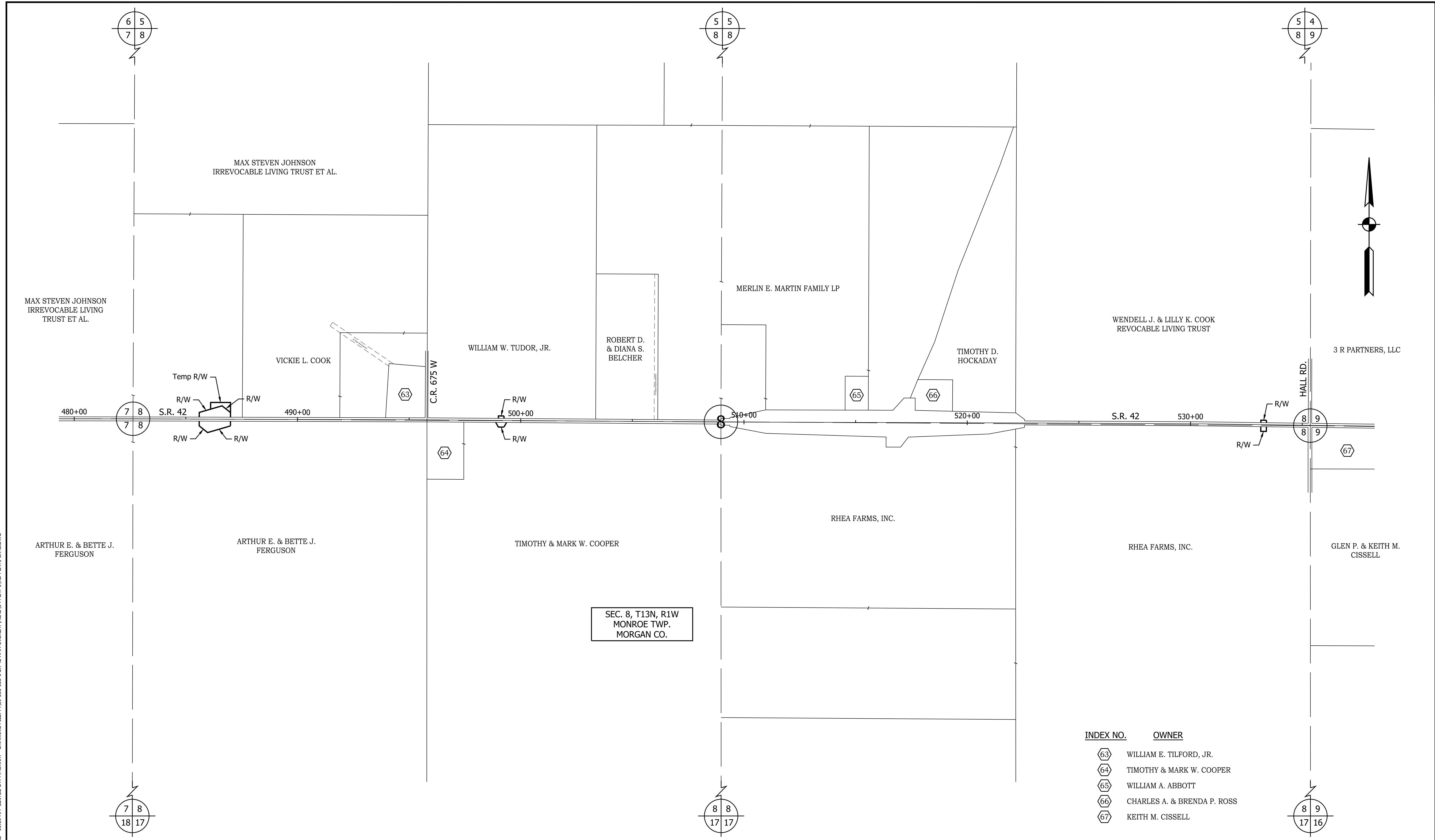
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CHECKED: <u>LLC</u>	CHECKED: <u>MSS</u>

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	16 of 86
CONTRACT	PROJECT
R-40583	1601075

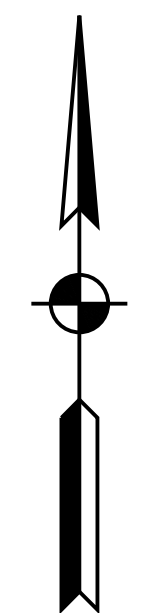
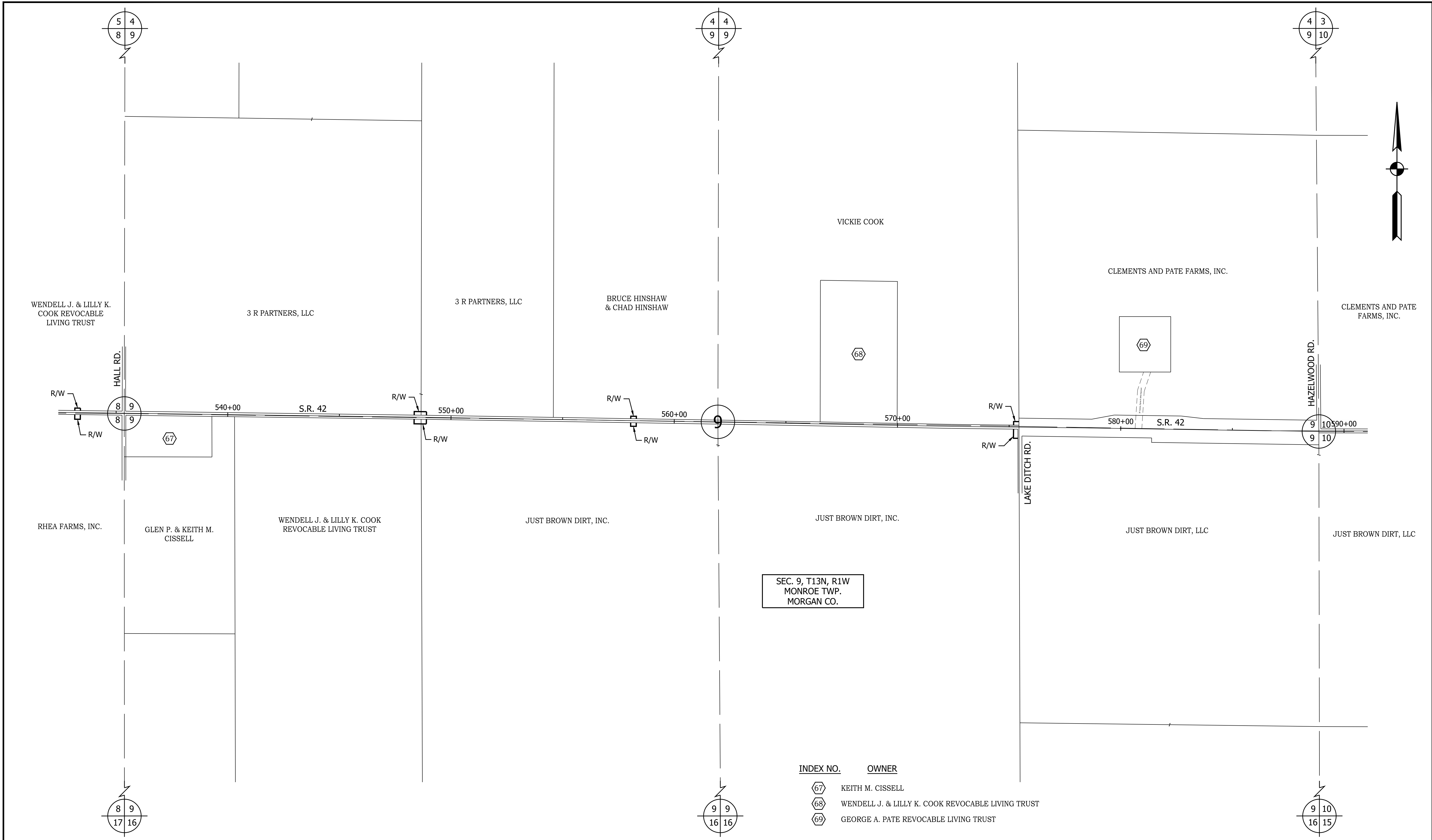
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INDEX NO.	OWNER
63	WILLIAM E. TILFORD, JR.
64	TIMOTHY & MARK W. COOPER
65	WILLIAM A. ABBOTT
66	CHARLES A. & BRENDA P. ROSS
67	KEITH M. CISSSELL

	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 200' VERTICAL SCALE N/A	BRIDGE FILE N/A DESIGNATION 1601075
	DESIGNED: <u>MSS</u> DRAWN: <u>REW</u> CHECKED: <u>LLC</u> CHECKED: <u>MSS</u>	PLAT NO. 1	SURVEY BOOK _____	SHEET 17 of 86
			CONTRACT R-40583	PROJECT 1601075

PRINT DATE: 5/2/22
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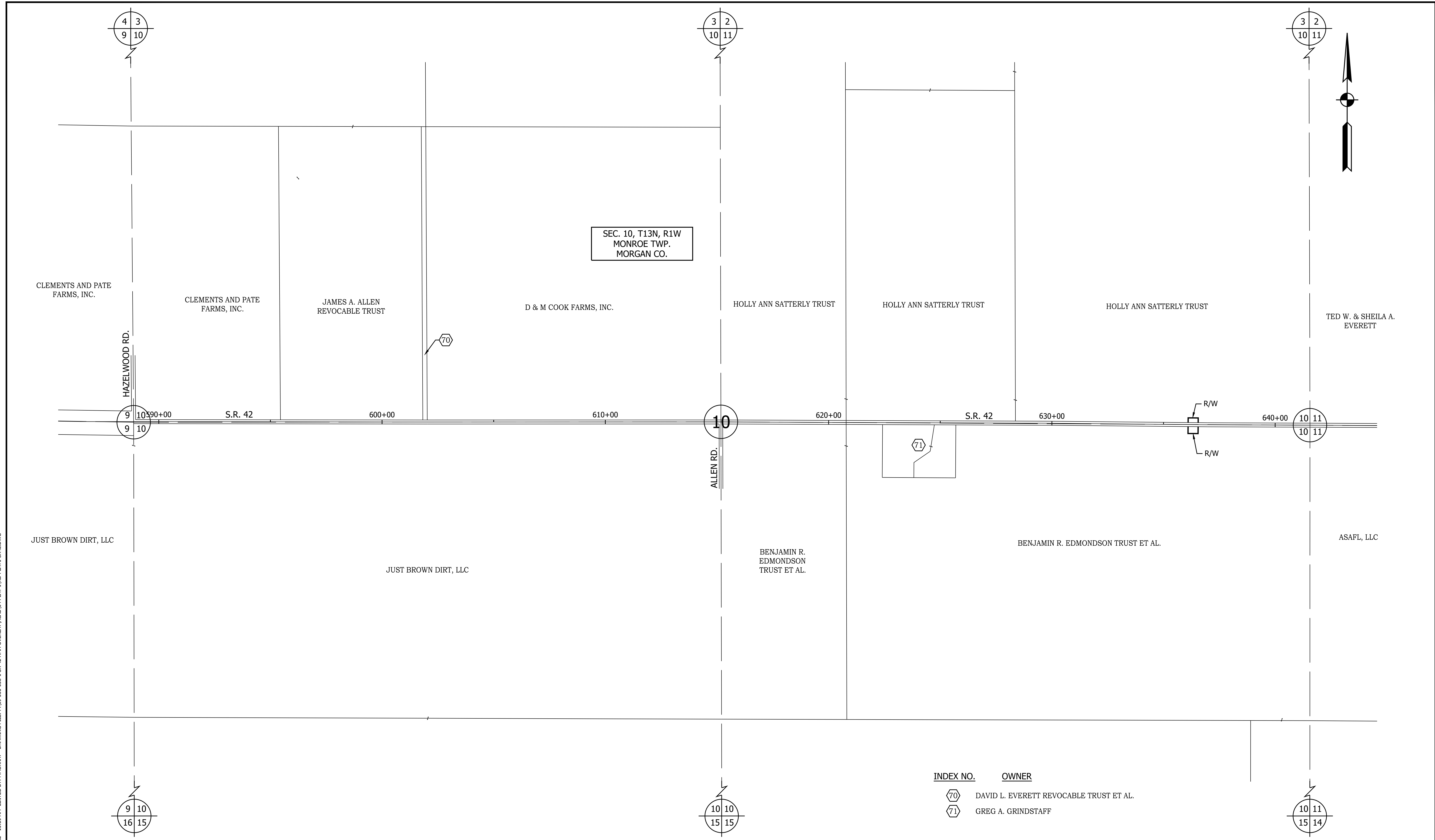


SEC. 9, T13N, R1W
 MONROE TWP.
 MORGAN CO.

INDEX NO.	OWNER
67	KEITH M. CISSELL
68	WENDELL J. & LILLY K. COOK REVOCABLE LIVING TRUST
69	GEORGE A. PATE REVOCABLE LIVING TRUST

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
				1" = 200'	N/A
DESIGNED: MSS	DRAWN: REW		PLAT NO. 1	VERTICAL SCALE	DESIGNATION
CHECKED: LLC	CHECKED: MSS			N/A	1601075
				SURVEY BOOK	SHEET
					18 of 86
				CONTRACT	PROJECT
				R-40583	1601075

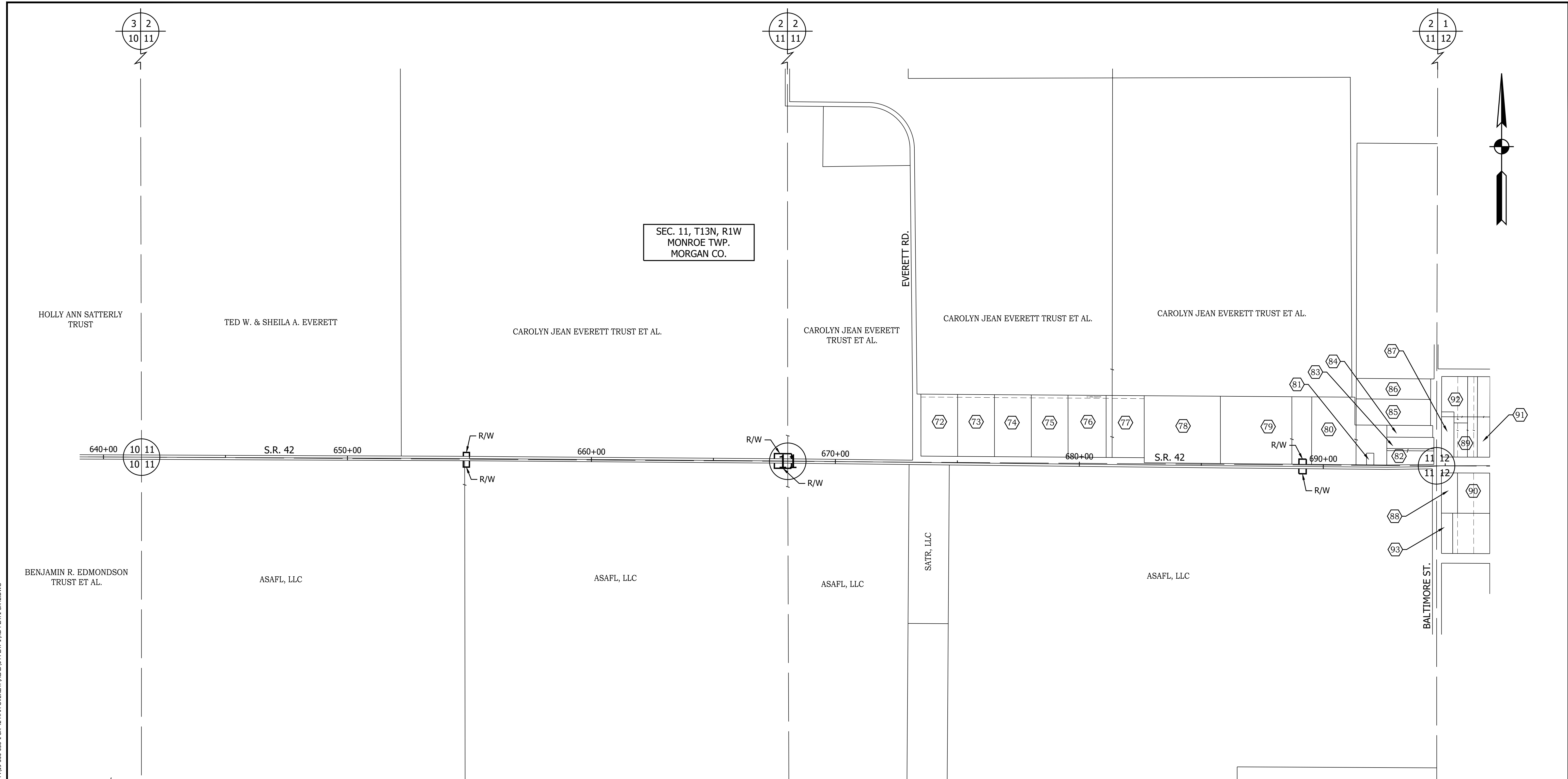
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INDEX NO.	OWNER
70	DAVID L. EVERETT REVOCABLE TRUST ET AL.
71	GREG A. GRINDSTAFF

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: MSS	DRAWN: REW		VERTICAL SCALE	DESIGNATION
CHECKED: LLC	CHECKED: MSS		PLAT NO. 1	N/A	1601075
				SURVEY BOOK	SHEET
				CONTRACT	PROJECT
				R-40583	1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
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 EDITED BY: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\04 PLAT 1\RD-PLAT1-SR42.DWG



INDEX NO.	OWNER
72	REBECCA L. ARGUE
73	CHAD B. & AMY J. CLARK
74	WILLIAM R. NELSON
75	DONALD R. & DONNA E. McCLURE
76	GARY M. & DEBORAH L. HUFF
77	JOHN M. & GAYLE G. REAM

INDEX NO.	OWNER
78	LLOYD G. & JUDITH A. PENCE
79	BETTY J. CHESTNUT
80	WILLIAM C. & ARLEEN K. POYNTER
81	BETTY J. CHESTNUT
82	DONALD W. KAYS
83	RICKEY J. COOK

INDEX NO.	OWNER
84	ARTHUR L. & BLANCHE J. LANHAM
85	VALENTINA GOMEZ-AYALA
86	AMBER N. COHEN
87	CLAUDIA J. HAYES TRUST
88	GREGG W. SHIELDS
89	BURTON HOMES, LLC

INDEX NO.	OWNER
90	CHRISTOPHER WILLIAMS
91	GLENN E. MARSH
92	CREEDIS GROSS IRREVOCABLE TRUST
93	STEVEN J., JR. & CYNTHIA DOWELL

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: REW	
CHECKED: LLC	CHECKED: MSS	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	20 of 86
CONTRACT	PROJECT
R-40583	1601075

2 1
11 12

INDEX NO.	OWNER
82	DONALD W. KAYS
83	RICKEY J. COOK
84	ARTHUR L. & BLANCHE J. LANHAM
85	VALENTINA GOMEZ-AYALA
86	AMBER N. COHEN
87	CLAUDIA J. HAYES TRUST
88	GREGG W. SHIELDS
89	BURTON HOMES, LLC
90	CHRISTOPHER WILLIAMS
91	GLENN E. MARSH
92	CREEDIS GROSS IRREVOCABLE TRUST
93	STEVEN J., JR. & CYNTHIA DOWELL

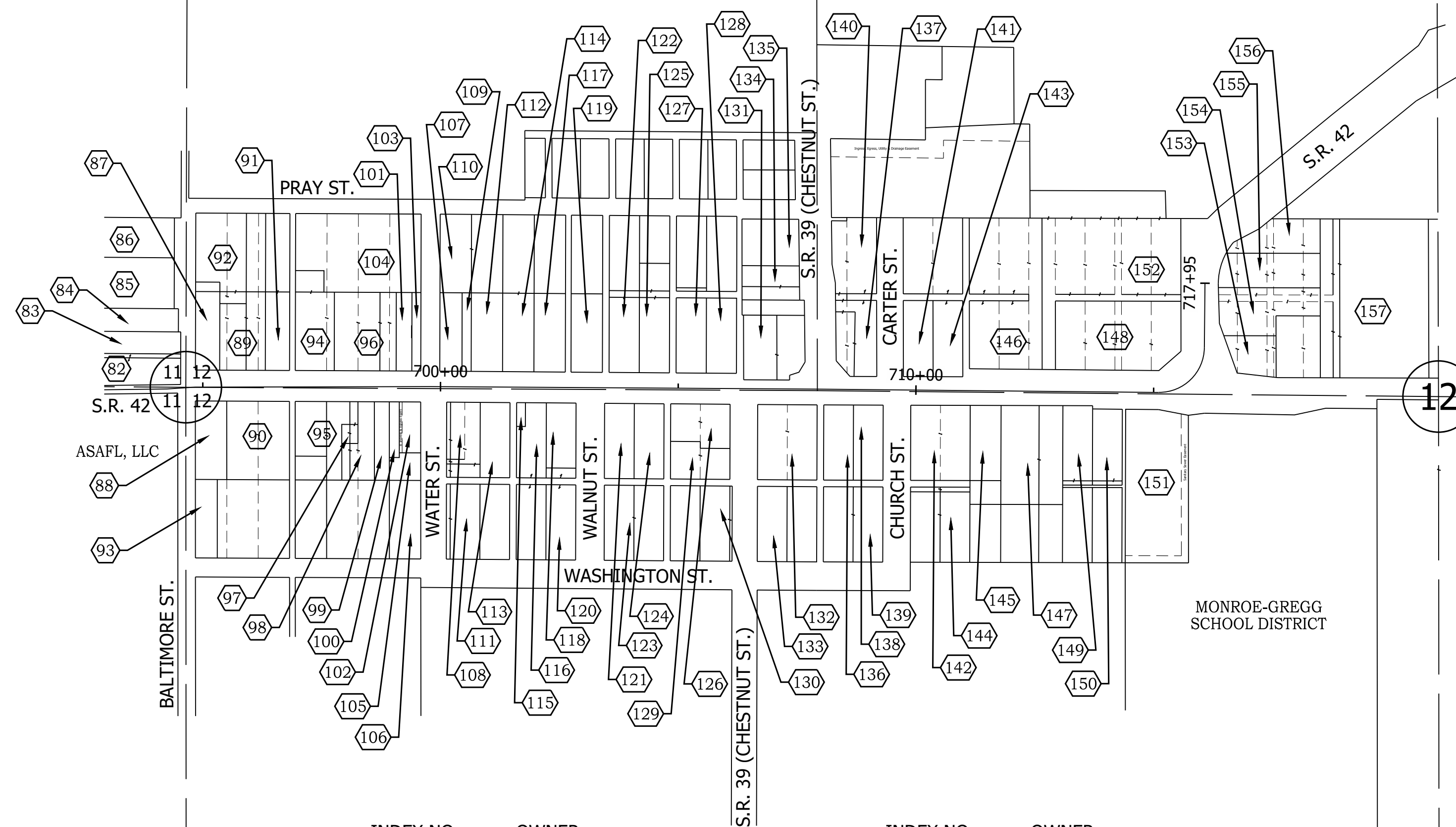
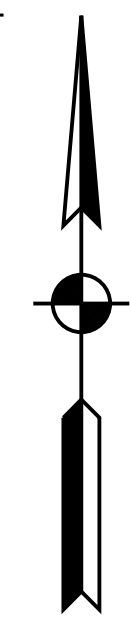
INDEX NO.	OWNER
94	PERRY A. & PATRICIA L. McCUBBINS
95	MONROVIA COMMERCIAL PROPERTIES, LLC
96	PRESCOTT II, LLC
97	SHERRY L. WHITNEY
98	MONROVIA FESTIVAL AND CIVIC ASSOC., INC.
99	KYLE M. & JANICE E. BINHACK
100	ANTHONY R. & STACY B. HAUSMAN
101	OLIVER R. JR. & RUTH A. PRESCOTT
102	OYCIE JOE HENDERSON IRREVOCABLE TRUST
103	F. & A.M. LODGE NO. 654
104	FAULKENBERG PROPERTIES, INC.
105	KYLE M. & JANICE E. BINHACK

1 1
12 12

INDEX NO.	OWNER
106	MARK GILKERSON
107	CHRISTOPHER G. & JANICE E. BINHACK
108	LADONNA M. EDWARDS
109	MICHAEL J. & KAREN J. WAGNER
110	STEVEN & TAMARA KNIGHT
111	DAVID J. & ANDREA L. BUNNETT
112	ANDREW J. JONES ET AL.
113	MARK & BEVERLY K. HADLEY
114	JANICE E. & KYLE M. BINHACK
115	BURTON HOMES, LLC
116	MYRON F. & CHRISTINA S. CASSIDY TRUST
117	EVERETT S. HART

INDEX NO.	OWNER
118	MONROVIA FESTIVAL AND CIVIC ASSOC., INC.
119	EVERMAN CONSTRUCTION, LLC
120	CLAY COUNTY RURAL TELEPHONE COOPERATIVE, INC.
121	BRADLEY S., SR. & NANCY I. LEE
122	MITCHELL L. COLLINS, II
123	BRADLEY S., SR. & NANCY I. LEE
124	NANCY I. HURST
125	ANTHONY F. TURNER
126	KARRSS LEGACY DEVELOPMENT, LLC
127	JOEL G. HILDENBRAND ET AL.
128	TED EVERETT INVESTMENTS, LLC
129	ROBERT L. MARLEY

1 6
12 7



SEC. 12, T13N, R1W
MONROE TWP.
MORGAN CO.

12

STEPHEN A. HADLEY

MONROE-GREGG
SCHOOL DISTRICT

INDEX NO.	OWNER
130	SCOTT T. PIERCE
131	NIYATI KUNDAN, INC.
132	BIBLE INVESTMENTS, LLC
133	JERRY & JANET McCRACKEN
134	BIBLE INVESTMENTS, LLC
135	RONALD G. PETERSON
136	BIBLE INVESTMENTS, LLC
137	TOWN OF MONROVIA
138	JOSHUA A. McDONALD
139	UNITED METHODIST SOUTH INDIANA CONFERENCE, INC.
140	TOWN OF MONROVIA
141	MICHAEL JACKSON

INDEX NO.	OWNER
142	JUSTIN C. POYNTER
143	JOHN L. & MARTHA R. WIKLE
144	UNITED METHODIST SOUTH INDIANA CONFERENCE, INC.
145	JAMES M. & LINDA S. KAISER
146	JOHN F. & PHYLLIS J. MEAD
147	SALLY MORRIS
148	TELECOMMUNICATIONS MANAGEMENT, LLC
149	KIT N. HARRISON
150	CHRISTOPHER A. PARSONS
151	DONALD W. & DOROTHY A. GREENE
152	PHYLLIS J. JOHN K. & MEAD
153	STEVEN J. WOZNAK

INDEX NO.	OWNER
154	DEREK NICHOLS
155	THOMAS L. & BRENDA E. PROUGH
156	BIBLE INVESTMENTS, LLC
157	WILLIAM M. & DONNA M. SKINNER

12 7
13 18

PRINT DATE: 5/2/22
PLOT SCALE: 1:1
EDIT DATE: 4/27/22 - 10:59 AM
EDITED BY: MMURRAY
DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\04 PLAT 1\RD-PLAT-SR42.DWG

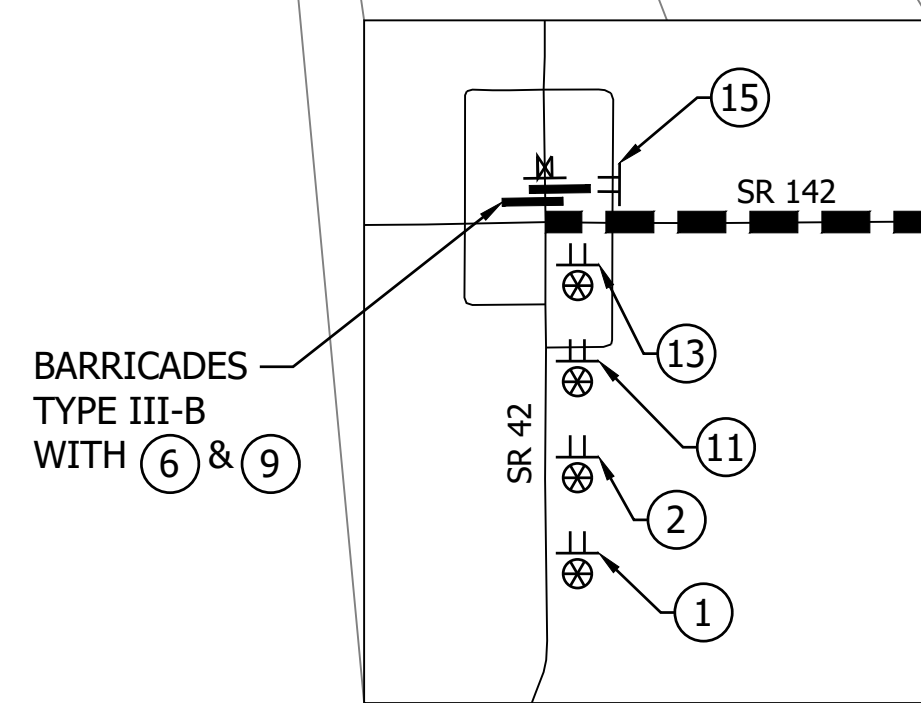
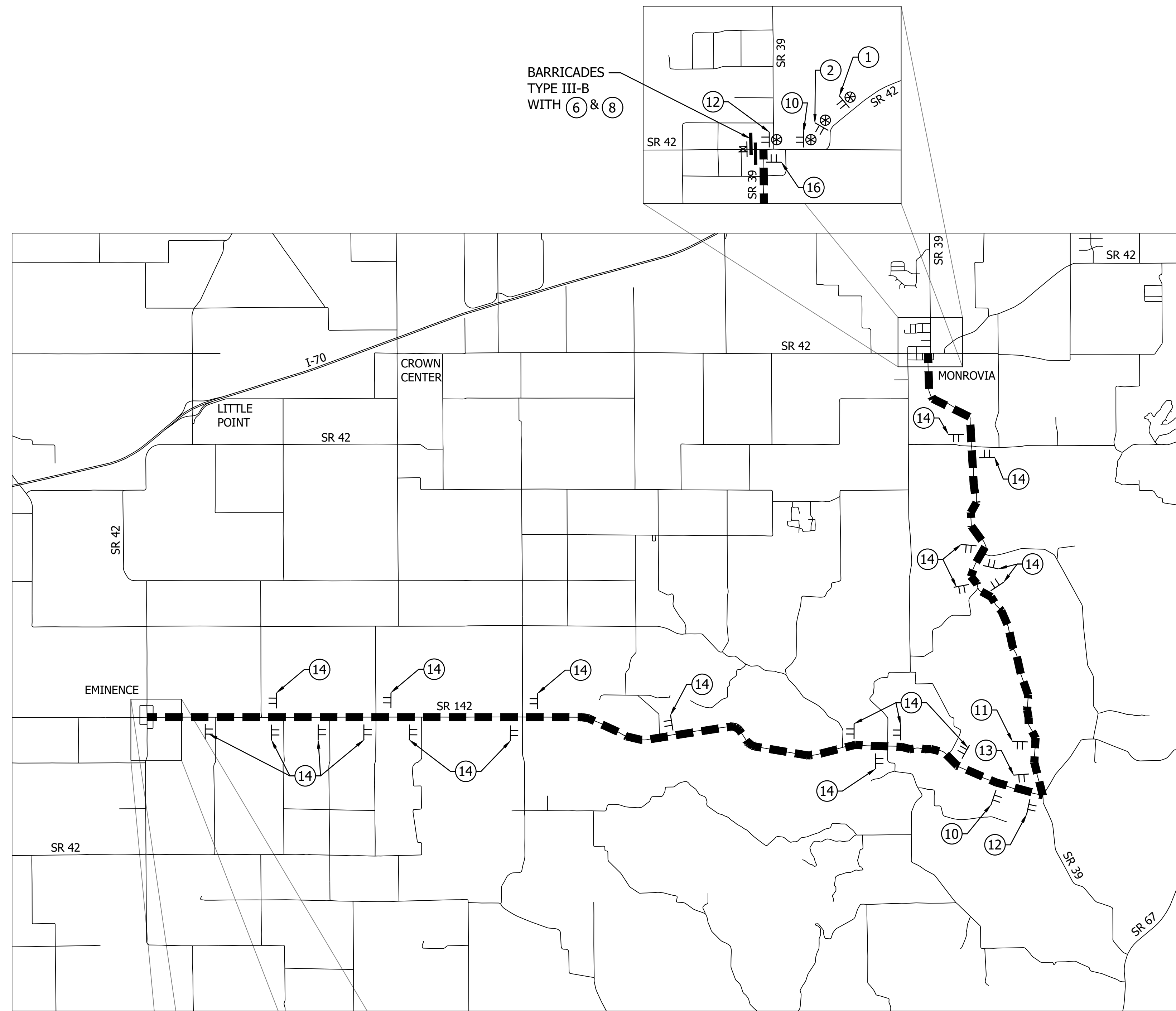
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DESIGNED: MSS	DRAWN: REW	
CHECKED: LLC	CHECKED: MSS	

INDIANA
DEPARTMENT OF TRANSPORTATION

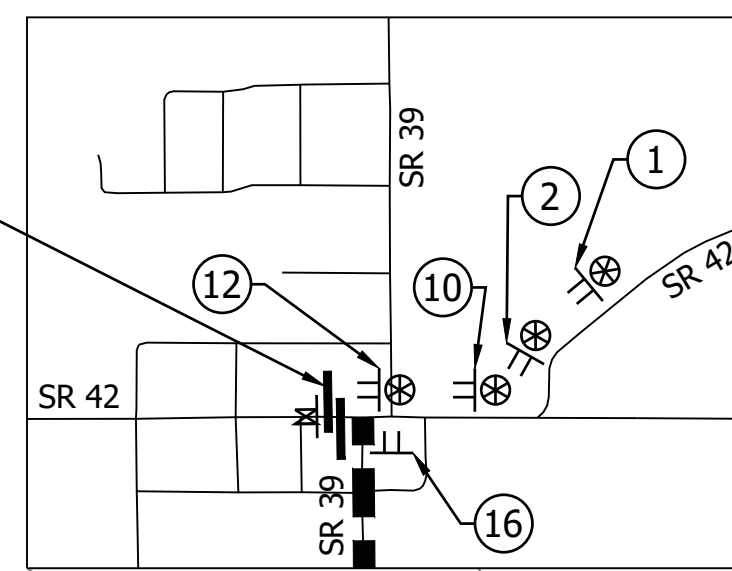
PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	21 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\05 MOT\GHT MOT-SR42-DETOUR.DWG
 EDITED BY: RWILSON
 DATE: 4/5/22 - 1:37 PM



BARRICADES TYPE III-B WITH ⑥ & ⑧



- ① ROAD CLOSED AHEAD
XW20-3 (36"x36")
- ② DETOUR AHEAD
XW20-2 (36"x36")
- ③ ROAD CLOSED 1000 FEET
XW20-3-A (36"x36")
- ④ ROAD CLOSED 500 FEET
XW20-3-A (36"x36")
- ⑤ ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-3 (60"x30")
- ⑥ ROAD CLOSED TO THRU TRAFFIC
R11-4 (60"x30")
- ⑦ ROAD CLOSED
R11-2 (48"x30")
- ⑧ DETOUR
XM4-10(L) (48"x18")
- ⑨ DETOUR
XM4-10(R) (48"x18")
- ⑩ RMA-1
DETOUR XM4-8 (24"x12")
- ⑪ RMA-5
DETOUR XM4-8 (24"x12")
- ⑫ RMA-2
DETOUR XM4-8 (24"x12")
- INDIANA 42 M1-5 (24"x24")
- INDIANA 42 M1-5 (24"x24")
- INDIANA 42 M1-5 (24"x24")
- M5-1(L) (21"x15")
- M5-1(R) (21"x15")
- M6-1(L) (21"x15")
- RMA-6
DETOUR XM4-8 (24"x12")
- RMA-9
DETOUR XM4-8 (24"x12")
- RMA-10B
END XM4-6 (24"x12")
- RMA-10A
END XM4-6 (24"x12")
- INDIANA 42 M1-5 (24"x24")
- INDIANA 42 M1-5 (24"x24")
- INDIANA 42 M1-5 (24"x24")
- M6-1(R) (21"x15")
- M6-3 (21"x15")
- INDIANA 42 M1-5 (24"x24")
- INDIANA 42 M1-5 (24"x24")
- M5-1(L) (21"x15")
- M5-1(R) (21"x15")

LEGEND

- ⊗ Construction Sign w/ Type "A" Light
- TT Construction Sign
- TT Road Closure Sign Assembly
- Barricade Type III A or B
- ▨ Construction Area
- Low Intensity Light
- ⊗ High Intensity Light

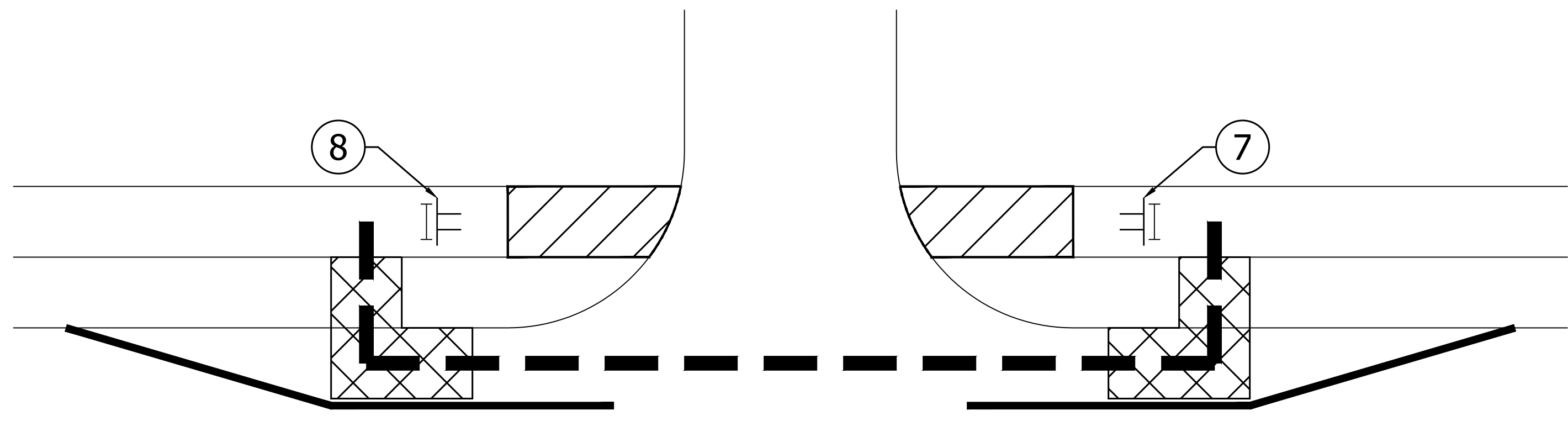
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 DESIGN ENGINEER DATE

DESIGNED: MSS DRAWN: REW
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INDIANA DEPARTMENT OF TRANSPORTATION

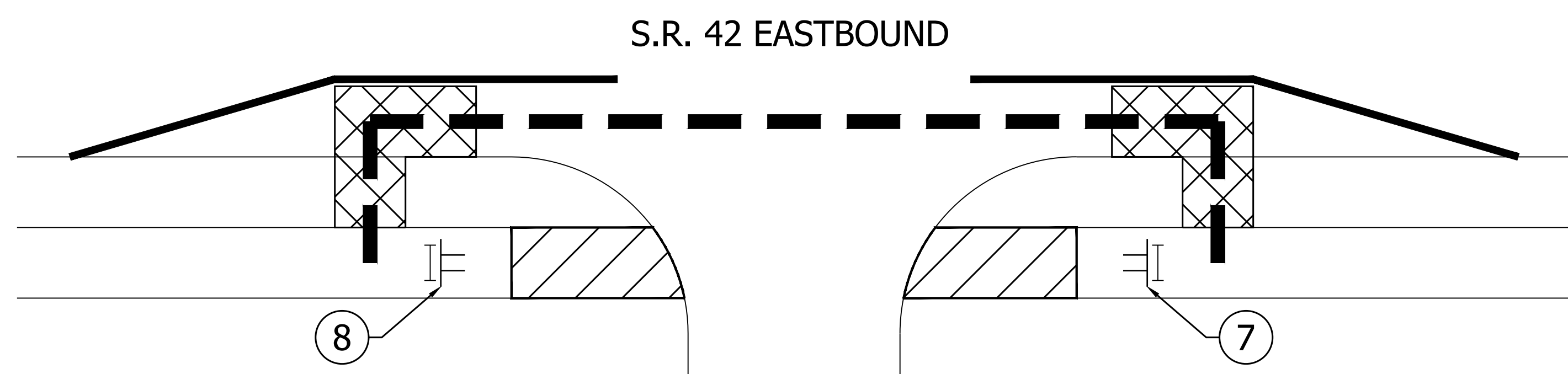
DETOUR ROUTE

HORIZONTAL SCALE	BRIDGE FILE
1" = 4000'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	22 of 86
CONTRACT	PROJECT
R-40583	1601075



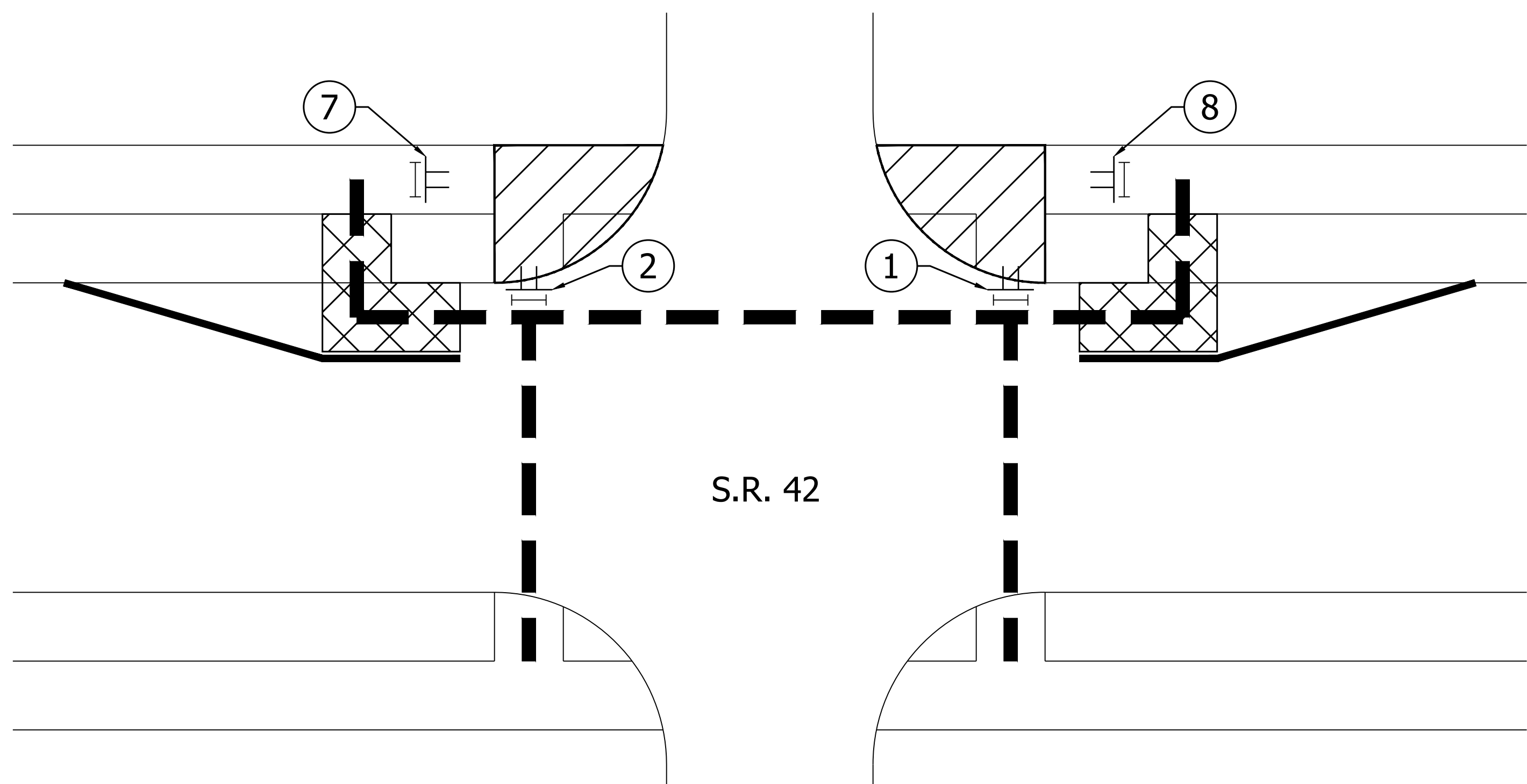
S.R. 42 WESTBOUND

PEDESTRIAN MOT DETAILS
ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP



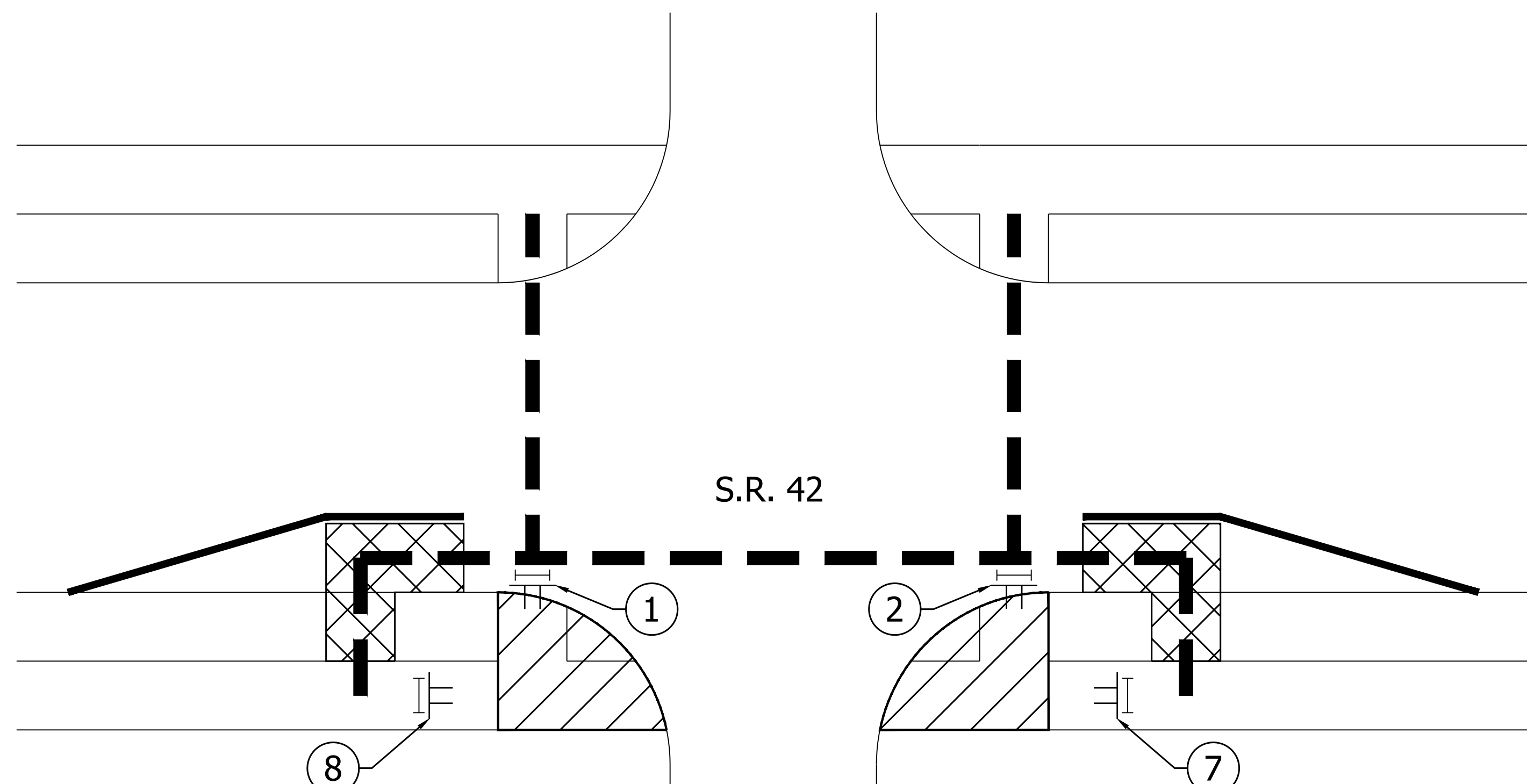
S.R. 42 EASTBOUND

PEDESTRIAN MOT DETAILS
ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP



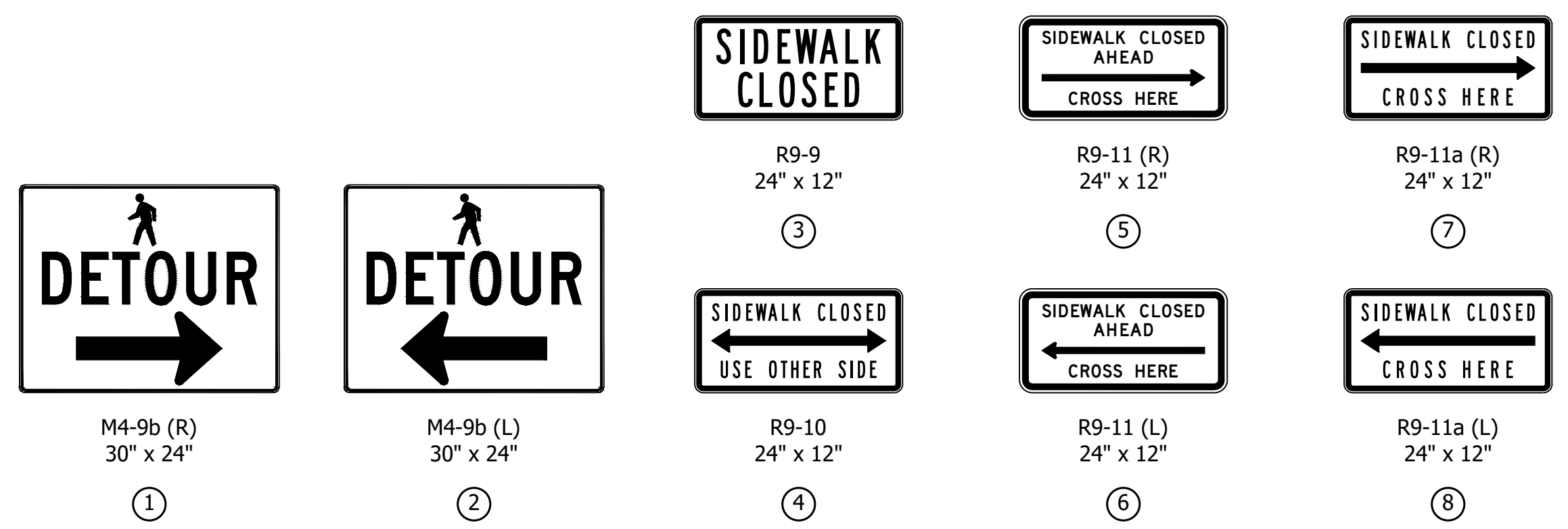
S.R. 42

PEDESTRIAN MOT DETAILS
WATER ST.



S.R. 42

PEDESTRIAN MOT DETAILS
WATER ST.



LEGEND

- AREA OF CONSTRUCTION
- TEMPORARY CURB RAMP
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY TRAFFIC BARRIER, TYPE 2
- TYPE III-B BARRICADE
- CONSTRUCTION SIGN
- TEMPORARY PAVEMENT MARKING, REMOVABLE 6" (WHITE)

NOTES:

1. ONLY ONE RAMP PER BLOCK SHALL BE CLOSED AT ANY GIVEN TIME.
2. THIS TYPICAL APPLIES TO THE ENTIRE CORRIDOR.

PRINT DATE: 5/2/22
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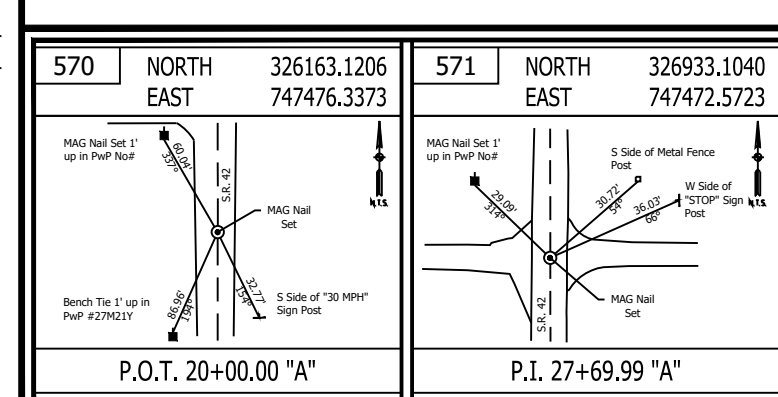
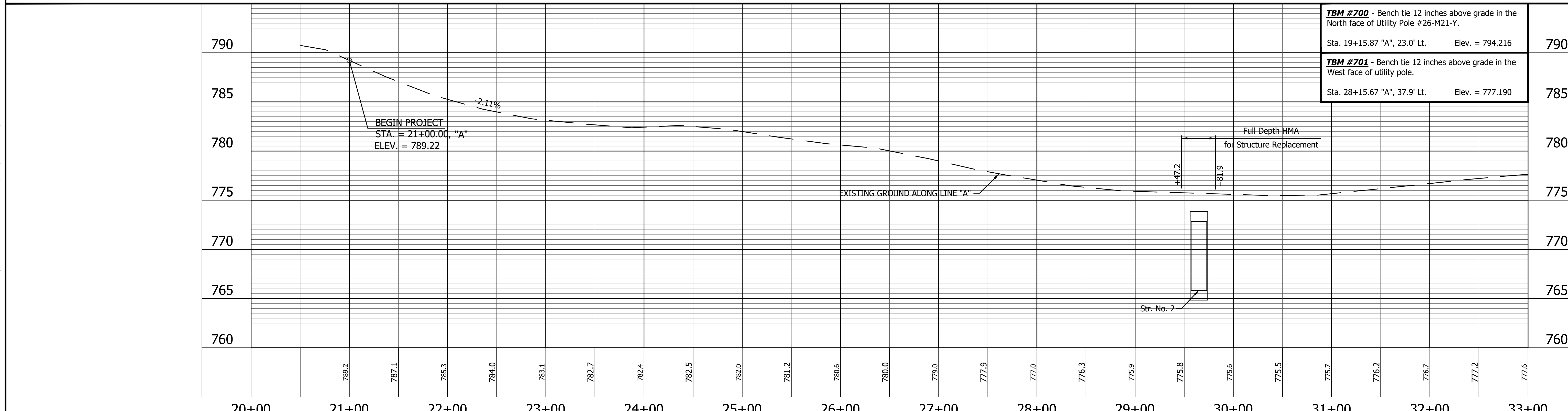
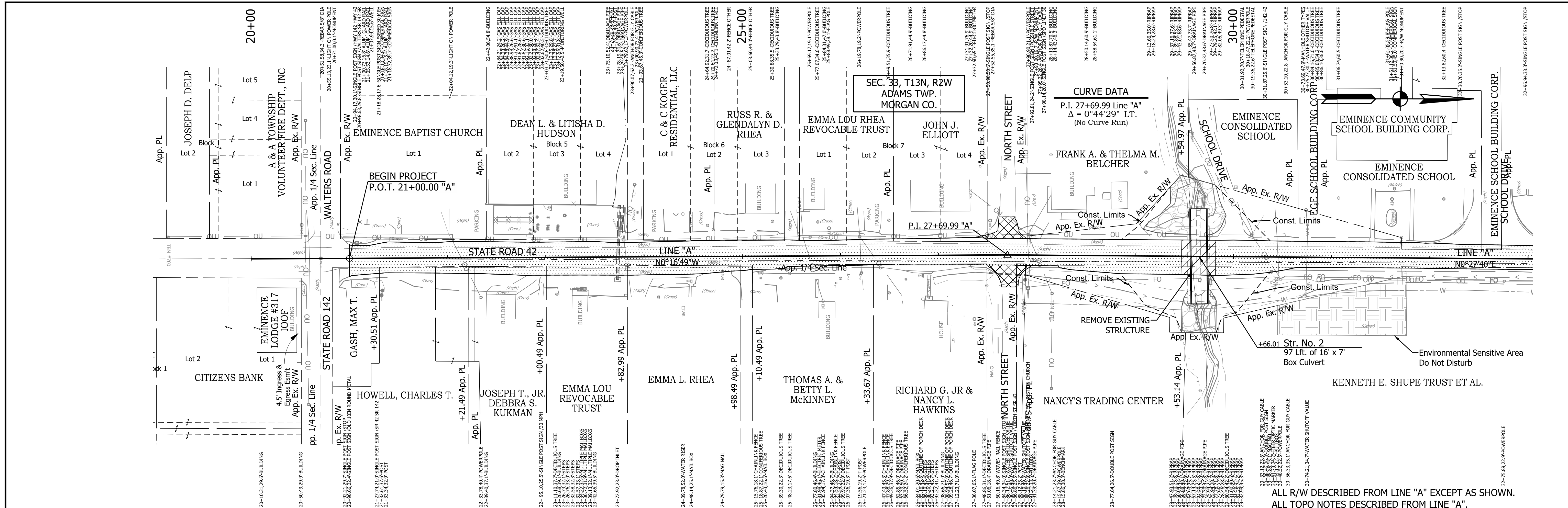
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: ----	
CHECKED: LLC	CHECKED: MSS	

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL PEDESTRIAN DETOUR

HORIZONTAL SCALE	BRIDGE FILE
1" =	N/A
VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	23 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:47 PM
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 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-01.DWG



LEGEND

	Wetland Delineation		Approach Milling and HMA Overlay - See Typical Sections
	Environmental Sensitive Area - Do Not Disturb		Structural Overlay (RURAL) - See Typical Sections
	Curb Ramp		Structural Overlay (URBAN) - See Typical Sections
			Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: MSS		DRAWN: KRJ			
CHECKED: LLC		CHECKED: MSS			

INDIANA DEPARTMENT OF TRANSPORTATION

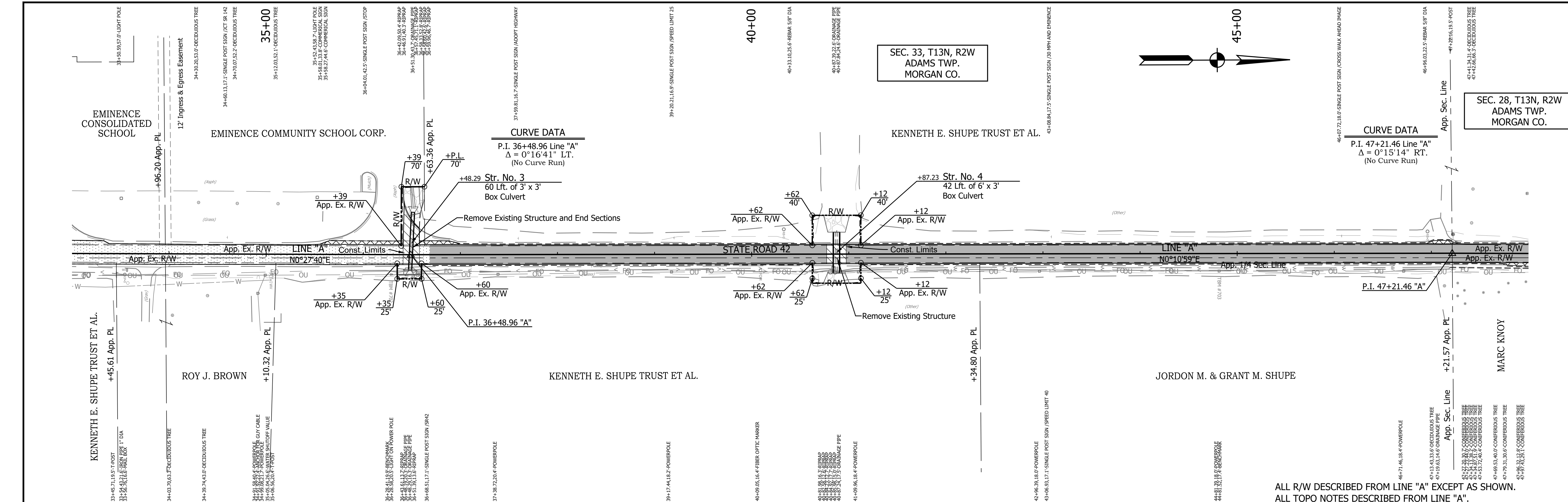
PLAN AND PROFILE

STA. 20+00.00 TO 33+00.00 LINE "A"

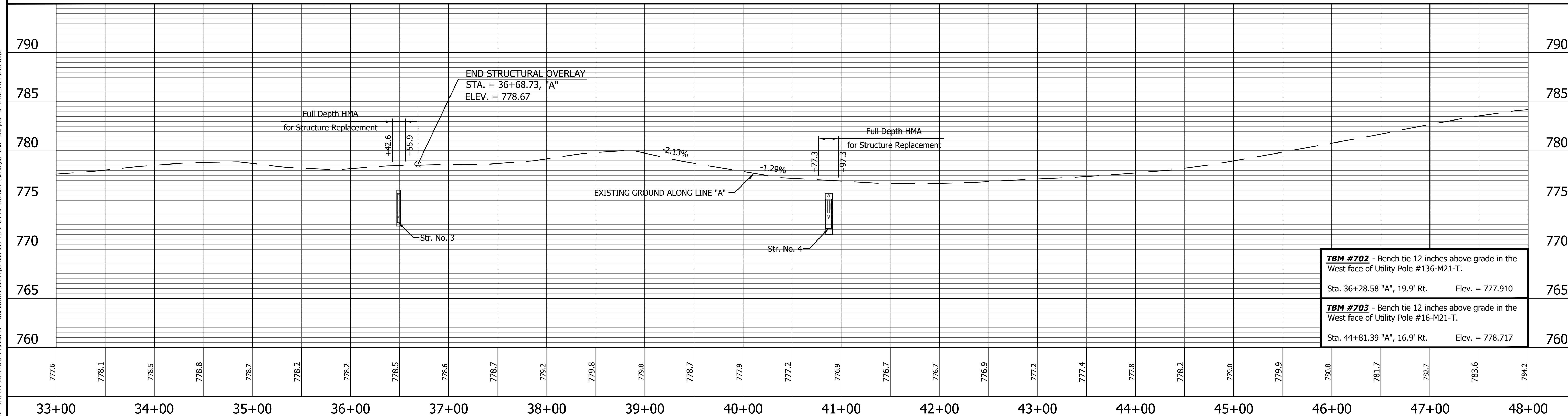
HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
1" = 5'	1601075
SURVEY BOOK	SHEET
	24 of 86
CONTRACT	PROJECT
R-40583	1601075

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".

TBM #700 - Bench tie 12 inches above grade in the North face of Utility Pole #26-M21-Y. Sta. 19+15.87 "A", 23.0' Lt. Elev. = 794.216	790
TBM #701 - Bench tie 12 inches above grade in the West face of utility pole. Sta. 28+15.67 "A", 37.9' Lt. Elev. = 777.190	785



ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".



PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:47 PM
 EDITOR: MMURRAY
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572	NORTH EAST	327812.0477 747479.6479
573	NORTH EAST	328884.5403 747483.0769

LEGEND

- Wetland Delineation
- Environmental Sensitive Area - Do Not Disturb
- Curb Ramp
- Approach Milling and HMA Overlay - See Typical Sections
- Structural Overlay (RURAL) - See Typical Sections
- Structural Overlay (URBAN) - See Typical Sections
- Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL _____

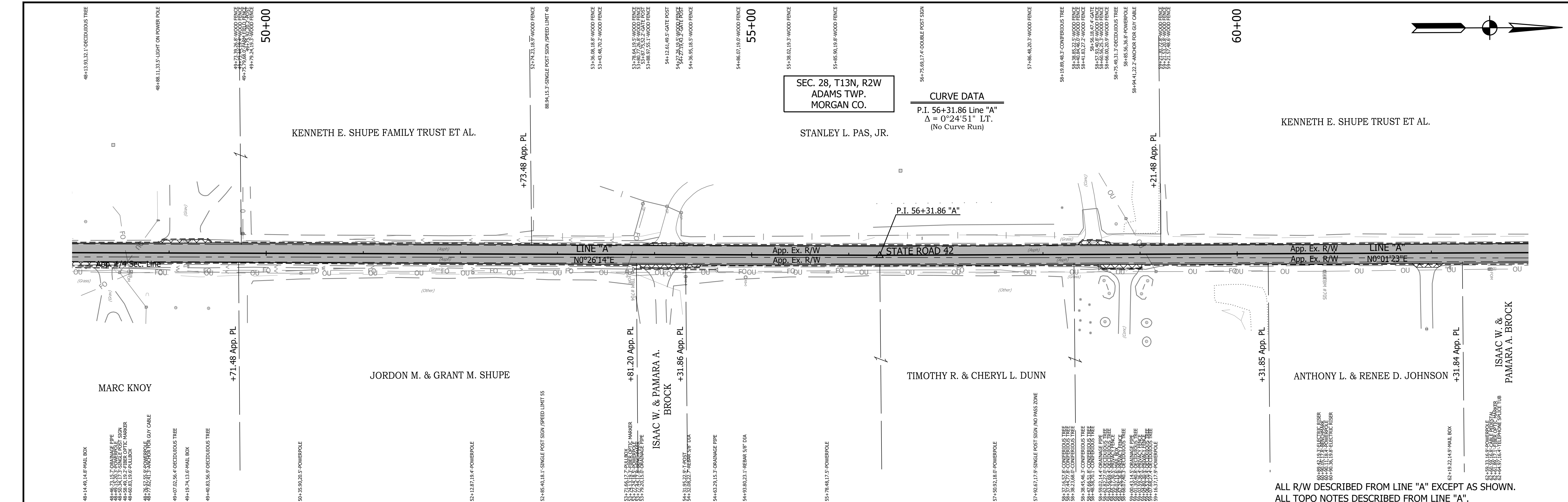
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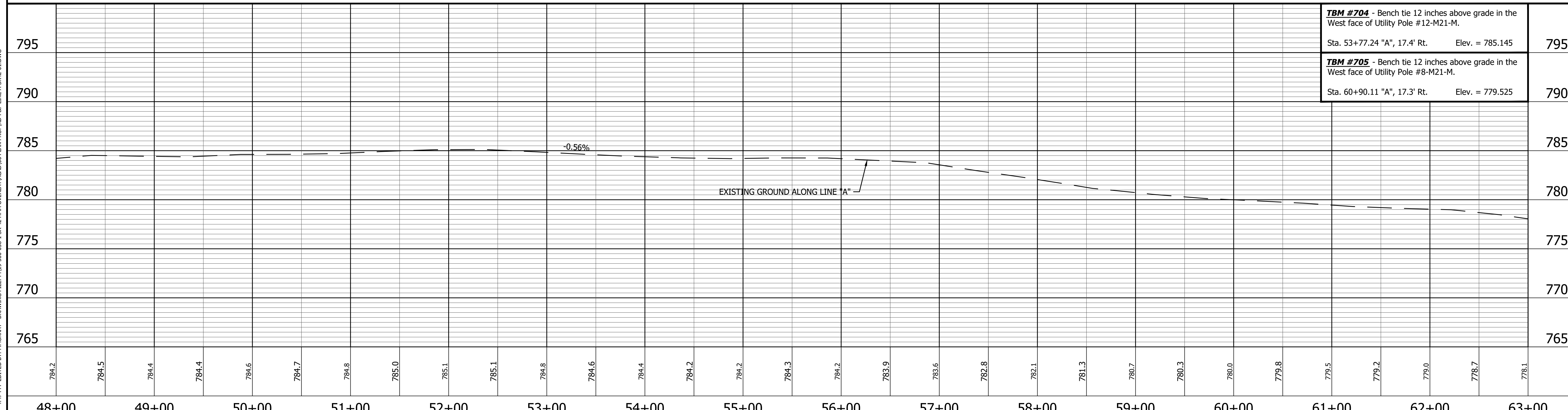
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 33+00.00 TO 48+00.00 LINE "A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET 25 of 86
CONTRACT R-40583	PROJECT 1601075

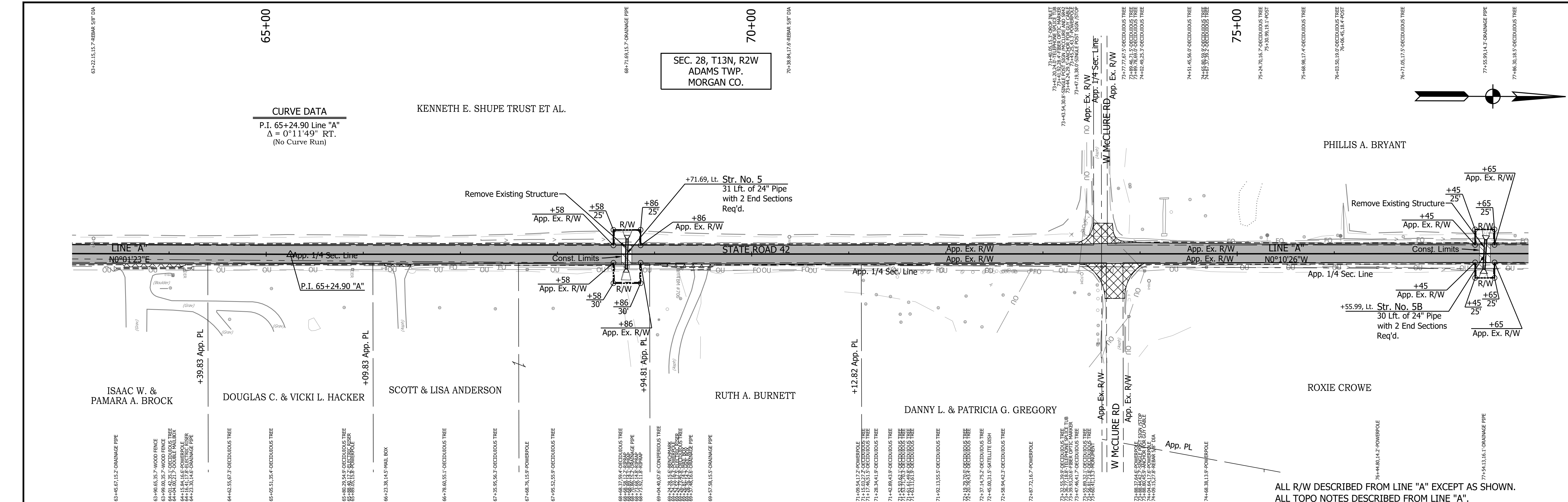


ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".



<p>574 NORTH 329794.9139 EAST 747490.0221</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p style="text-align: center;">DESIGN ENGINEER DATE</p> <hr/> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 48+00.00 TO 63+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>26 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		26 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																			
1" = 50'	N/A																			
VERTICAL SCALE	DESIGNATION																			
1" = 5'	1601075																			
SURVEY BOOK	SHEET																			
	26 of 86																			
CONTRACT	PROJECT																			
R-40583	1601075																			

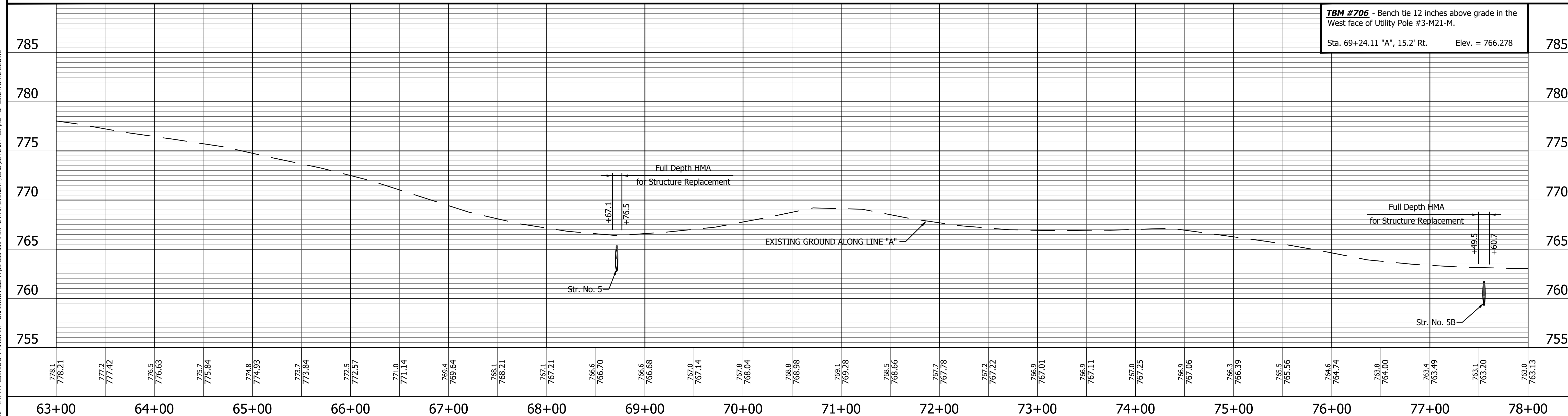
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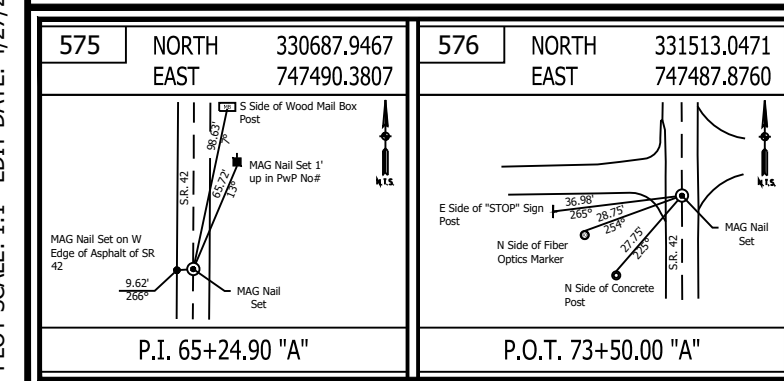
CURVE DATA
 P.I. 65+24.90 Line "A"
 $\Delta = 0^\circ 11' 49''$ RT.
 (No Curve Run)

SEC. 28, T13N, R2W
 ADAMS TWP.
 MORGAN CO.

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".



TBM #706 - Bench tie 12 inches above grade in the West face of Utility Pole #3-M21-M.
 Sta. 69+24.11 "A", 15.2' Rt. Elev. = 766.278



LEGEND

	Wetland Delineation
	Environmental Sensitive Area - Do Not Disturb
	Curb Ramp
	Approach Milling and HMA Overlay - See Typical Sections
	Structural Overlay (RURAL) - See Typical Sections
	Structural Overlay (URBAN) - See Typical Sections
	Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL	
DESIGNED: MSS	DRAWN: KRJ
CHECKED: LLC	CHECKED: MSS

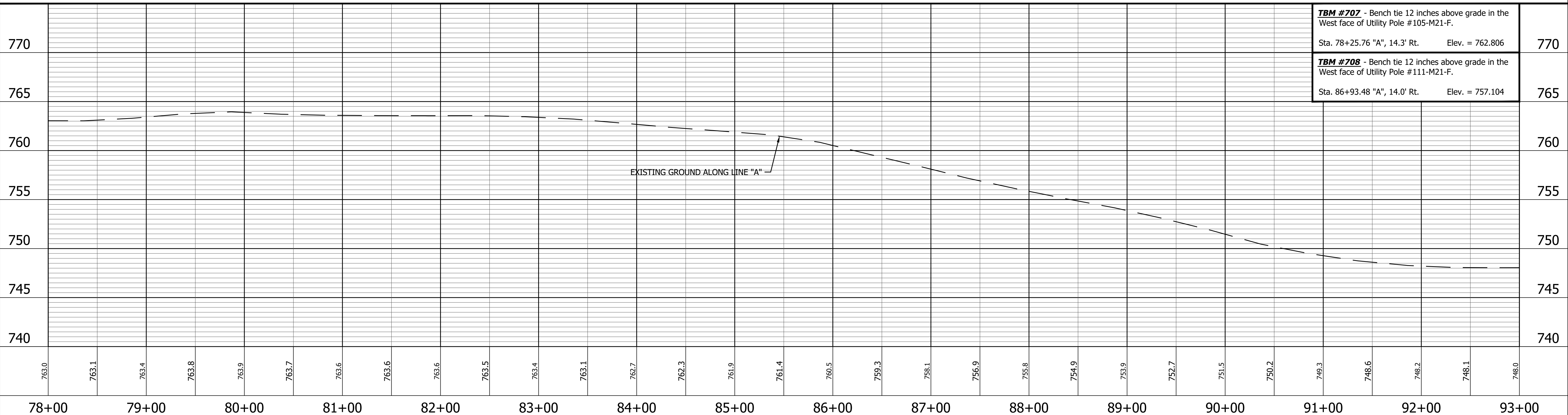
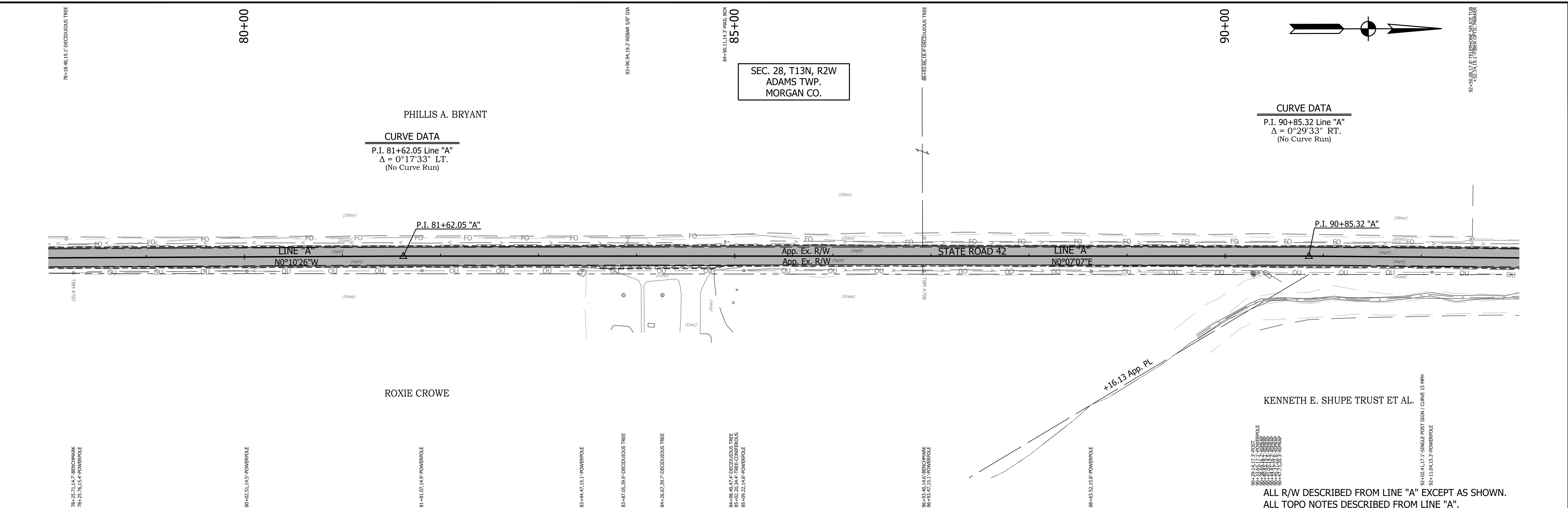
INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 STA. 63+00.00 TO 78+00.00 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1601075
SURVEY BOOK	SHEET
R-40583	27 of 86
CONTRACT	PROJECT
R-40583	1601075

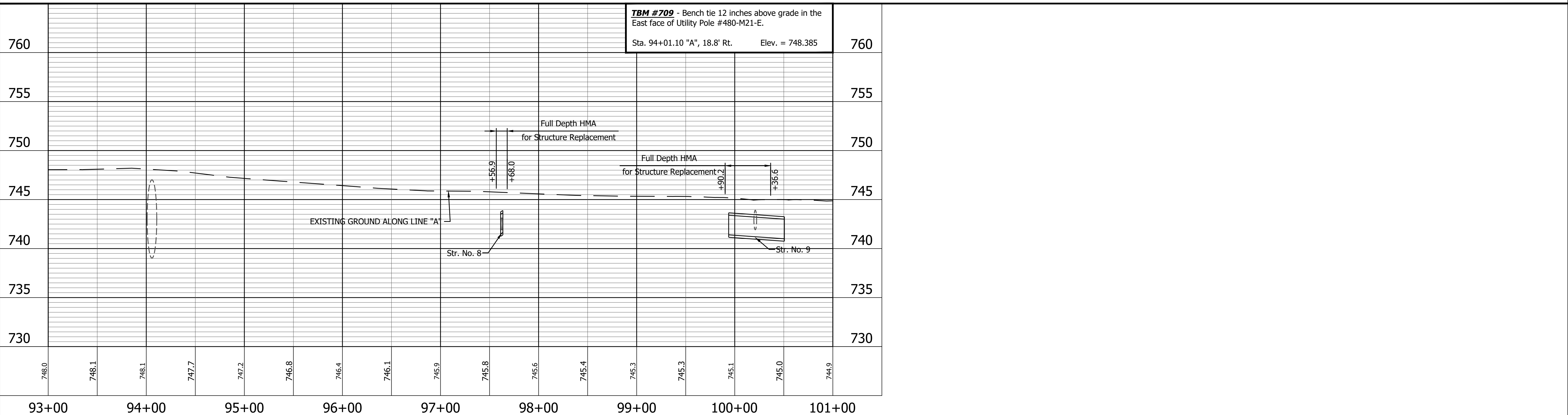
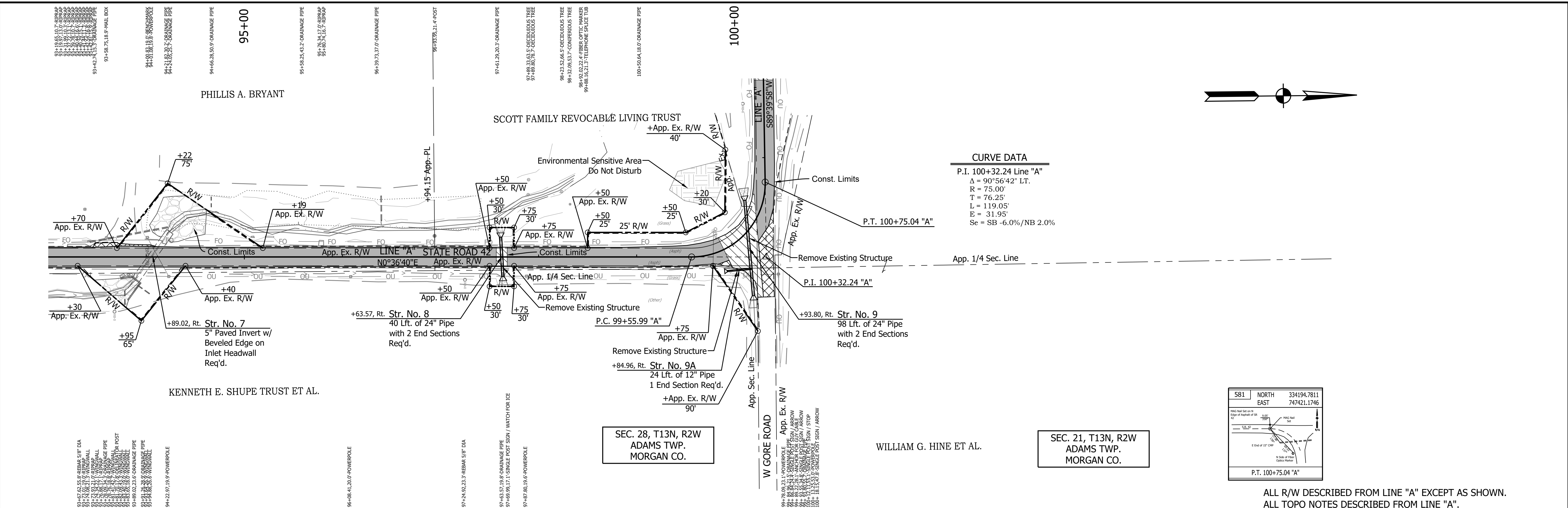
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 EDITOR: MMURRAY
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PRINT DATE: 5/2/22 PLOT SCALE: 1:1 EDIT DATE: 4/27/22 - 4:47 PM EDITED BY: MMURRAY DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-01.DWG



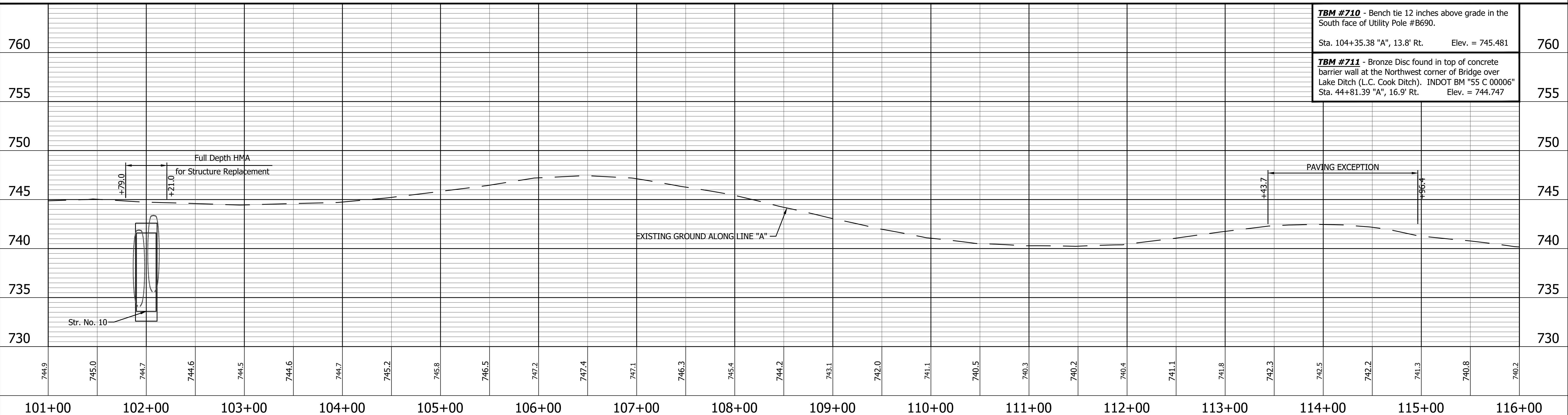
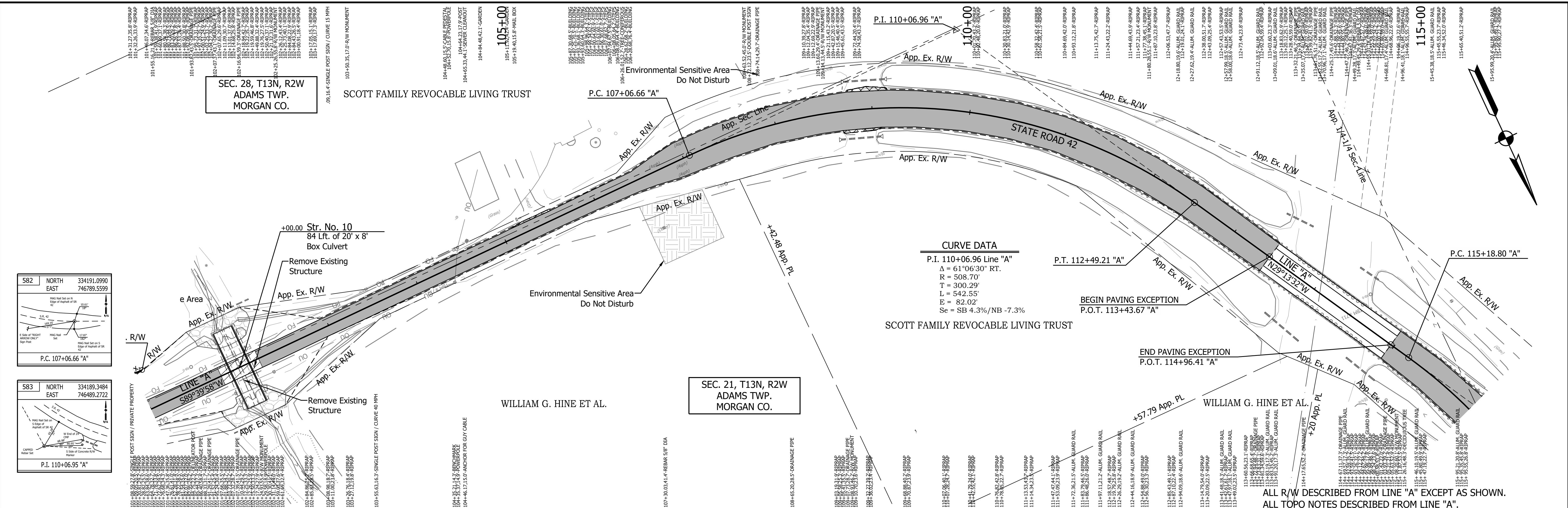
<p>577 NORTH EAST 332325.0890 747485.4110</p> <p>P.I. 81+62.05 "A"</p>	<p>578 NORTH EAST 333248.3633 747487.3214</p> <p>P.I. 90+85.32 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p style="text-align: center;">DESIGN ENGINEER DATE</p> <hr/> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE</p> <p>STA. 78+00.00 TO 93+00.00 LINE "A"</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>28 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		28 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																				
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R-40583	1601075																				

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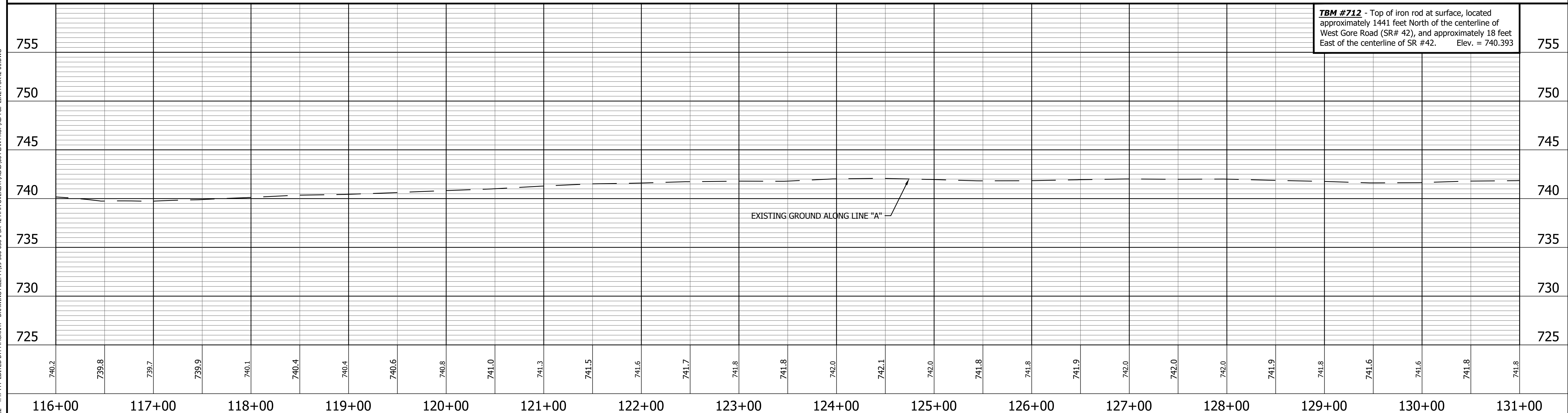
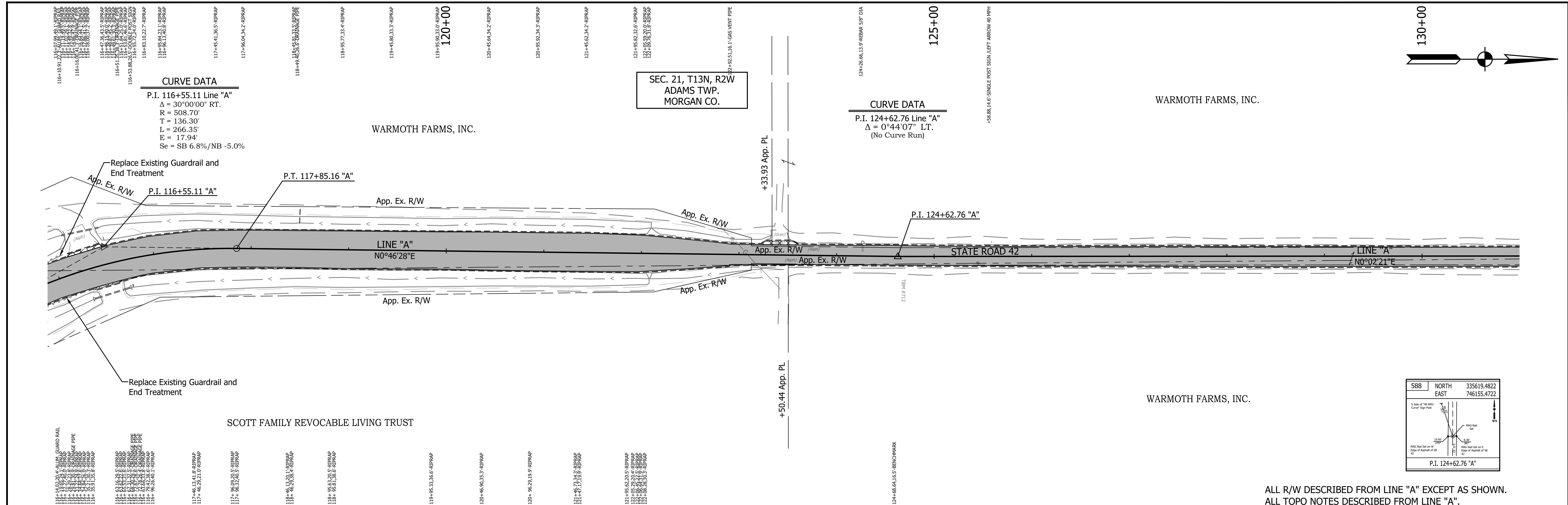
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> 579 NORTH 334118.9825 EAST 747496.6075 </td> <td style="width: 50%;"> 580 NORTH 334195.2256 EAST 747497.4207 </td> </tr> </table>	579 NORTH 334118.9825 EAST 747496.6075	580 NORTH 334195.2256 EAST 747497.4207	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p style="text-align: center;">DESIGN ENGINEER DATE</p> <hr/> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <hr/> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 93+00.00 TO 101+00.00 LINE "A"</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>29 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		29 of 86	CONTRACT	PROJECT	R-40583	1601075
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<p>584 NORTH 334451.4150 EAST 746342.6539</p> <p>P.T. 112+49.21 "A"</p>	<p>585 NORTH 334686.6918 EAST 746211.0238</p> <p>P.C. 115+18.80 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: MS DRAWN: KRU</p> <p>CHECKED: RDS CHECKED: MR</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 101+00.00 TO 116+00.00 LINE "A"</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>30 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		30 of 86	CONTRACT	PROJECT	R-40583	1601075
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1" = 50'	N/A																				
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SURVEY BOOK	SHEET																				
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<p>586 NORTH 334805.6453 EAST 746144.4729</p> <p>587 NORTH 334941.9374 EAST 746146.3150</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p style="text-align: center;">DESIGN ENGINEER DATE</p> <hr/> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 116+00.00 TO 131+00.00 LINE "A"</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>31 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		31 of 86	CONTRACT	PROJECT	R-40583	1601075
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1" = 50'	N/A																			
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	31 of 86																			
CONTRACT	PROJECT																			
R-40583	1601075																			

SEC. 21, T13N, R2W
ADAMS TWP.
MORGAN CO.

WARMOTH FARMS, INC.

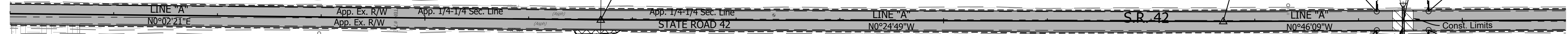
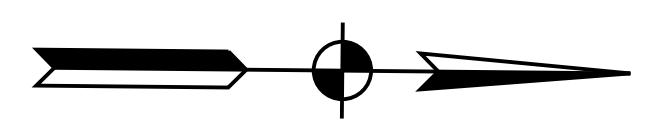
WARMOTH FARMS, INC.

CURVE DATA

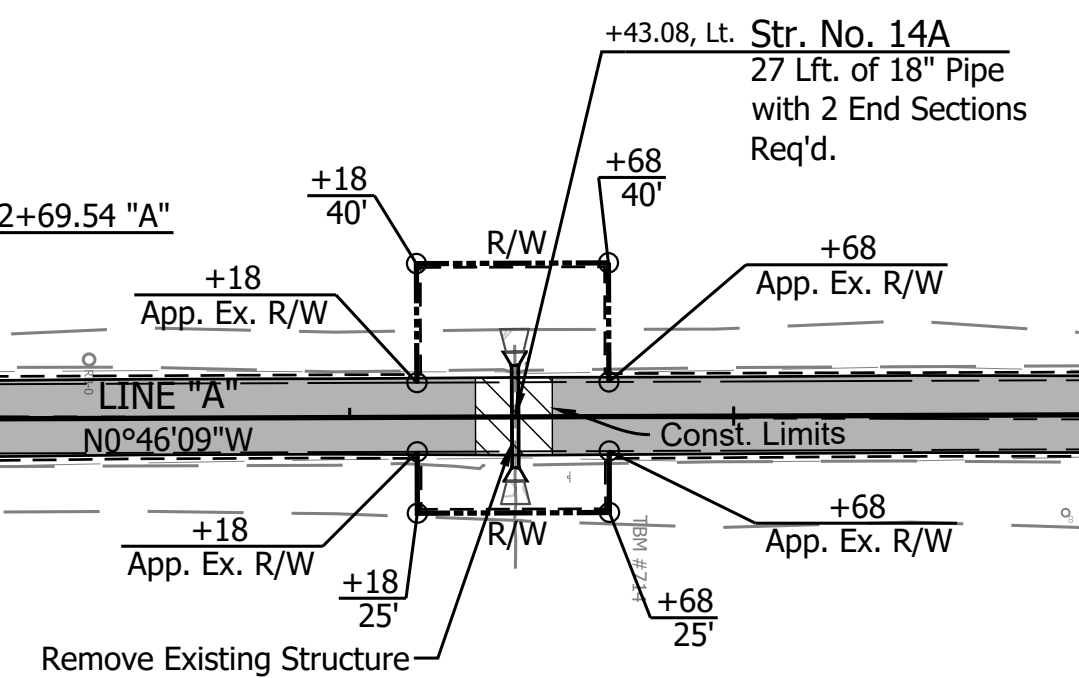
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Δ = 0°27'10" RT.
(No Curve Run)

CURVE DATA

P.I. 142+69.54 Line "A"
Δ = 0°21'20" LT.
(No Curve Run)



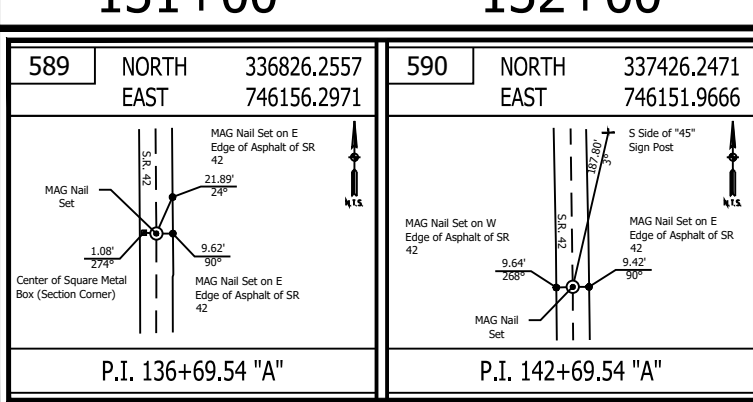
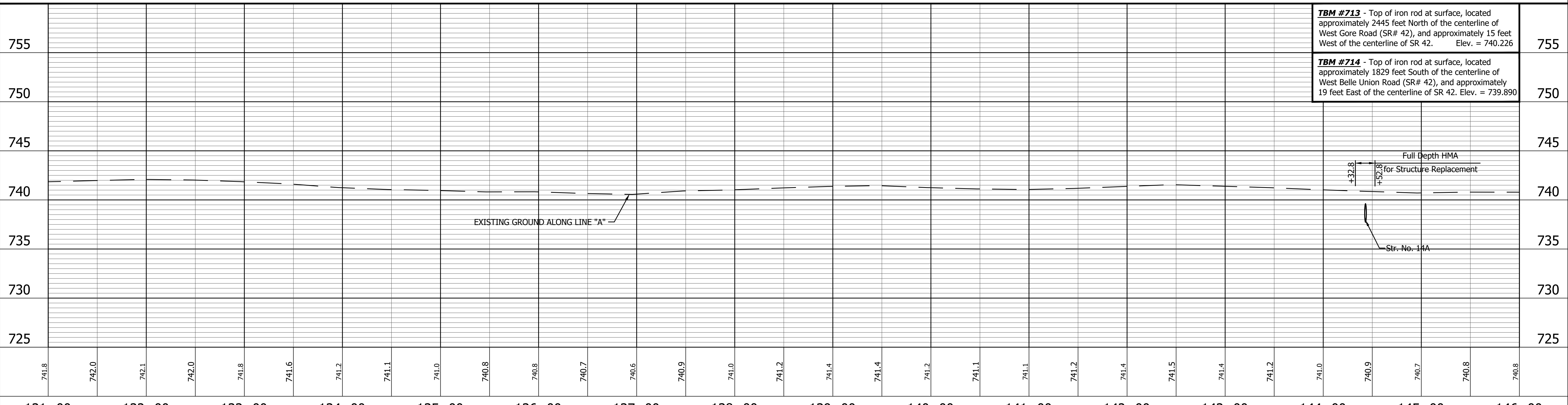
Environmental Sensitive Area
Do Not Disturb



ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".

TBM #713 - Top of iron rod at surface, located approximately 2445 feet North of the centerline of West Gore Road (SR# 42), and approximately 15 feet West of the centerline of SR 42. Elev. = 740.226

TBM #714 - Top of iron rod at surface, located approximately 1829 feet South of the centerline of West Belle Union Road (SR# 42), and approximately 19 feet East of the centerline of SR 42. Elev. = 739.890



- LEGEND**
- Wetland Delineation
 - Environmental Sensitive Area - Do Not Disturb
 - Curb Ramp
 - Approach Milling and HMA Overlay - See Typical Sections
 - Structural Overlay (RURAL) - See Typical Sections
 - Structural Overlay (URBAN) - See Typical Sections
 - Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>MSS</u>	DRAWN: <u>KRU</u>	
CHECKED: <u>LLC</u>	CHECKED: <u>MSS</u>	

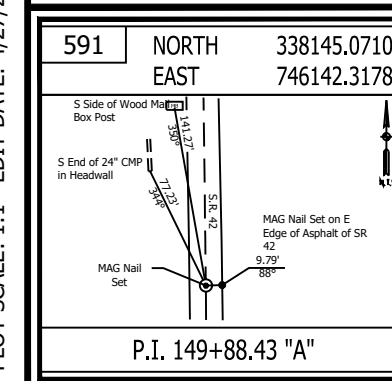
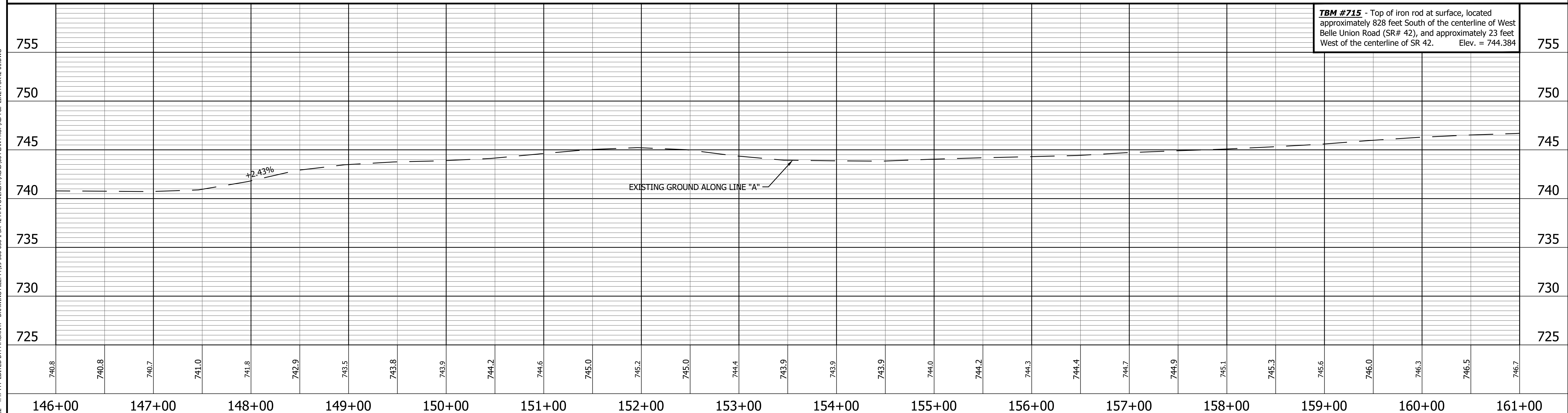
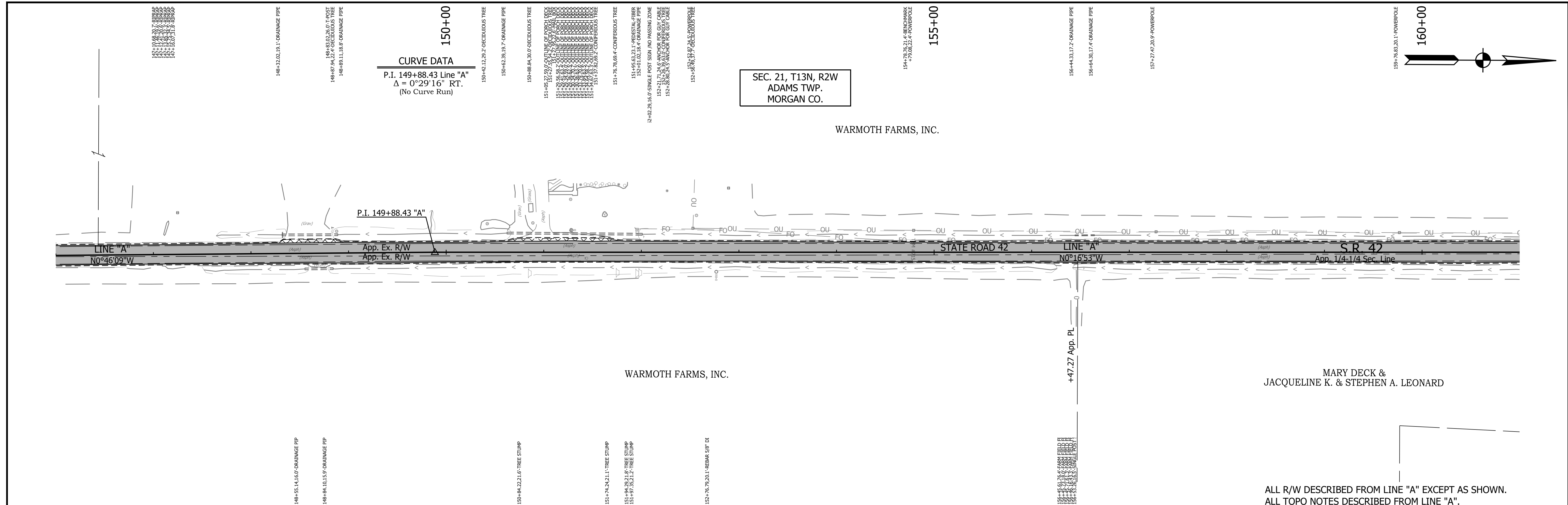
**INDIANA
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE
STA. 131+00.00 TO 146+00.00 LINE "A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET
	32 of 86
CONTRACT R-40583	PROJECT 1601075

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LEGEND

	Wetland Delineation		Approach Milling and HMA Overlay - See Typical Sections
	Environmental Sensitive Area - Do Not Disturb		Structural Overlay (RURAL) - See Typical Sections
	Curb Ramp		Structural Overlay (URBAN) - See Typical Sections
			Full Depth HMA for Structure Replacement - See Typical Sections

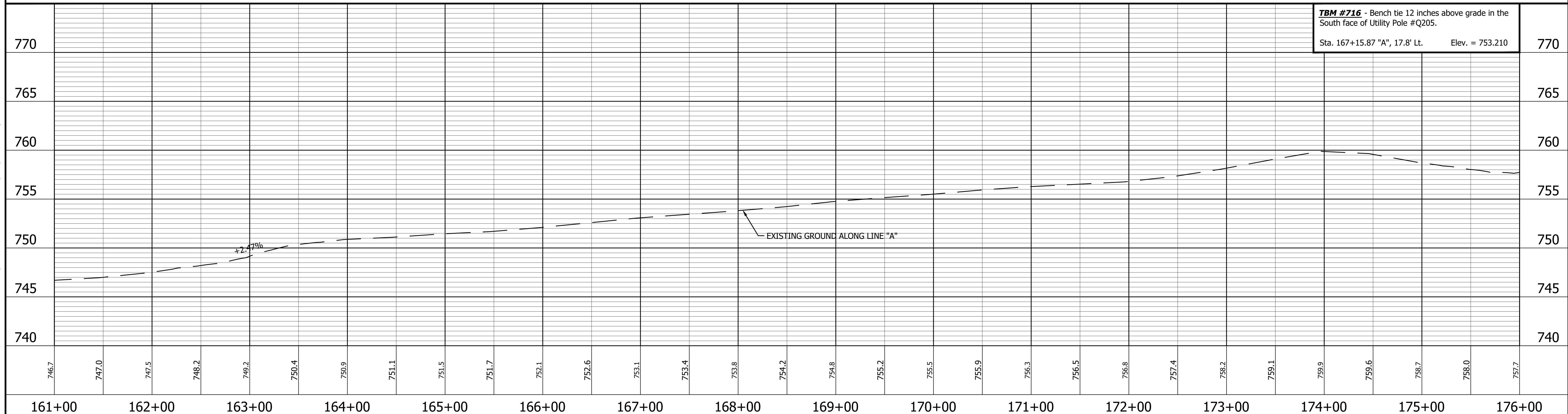
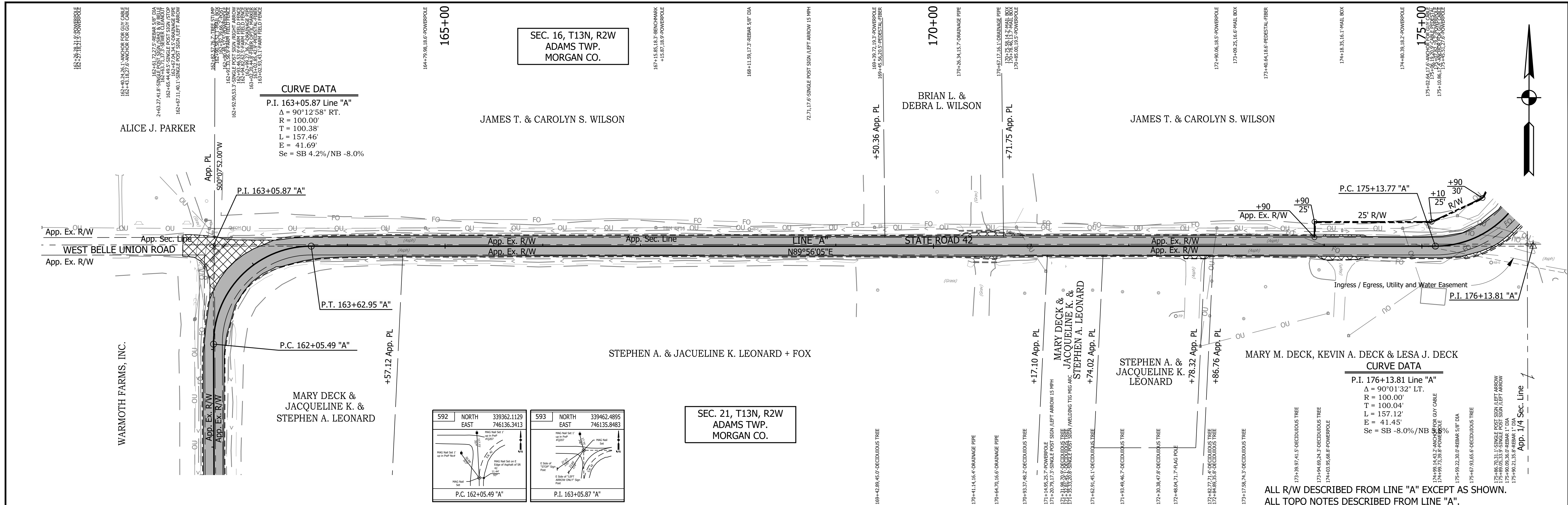
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: MSS		DRAWN: KRJ	
CHECKED: LLC		CHECKED: MSS	

INDIANA
 DEPARTMENT OF TRANSPORTATION

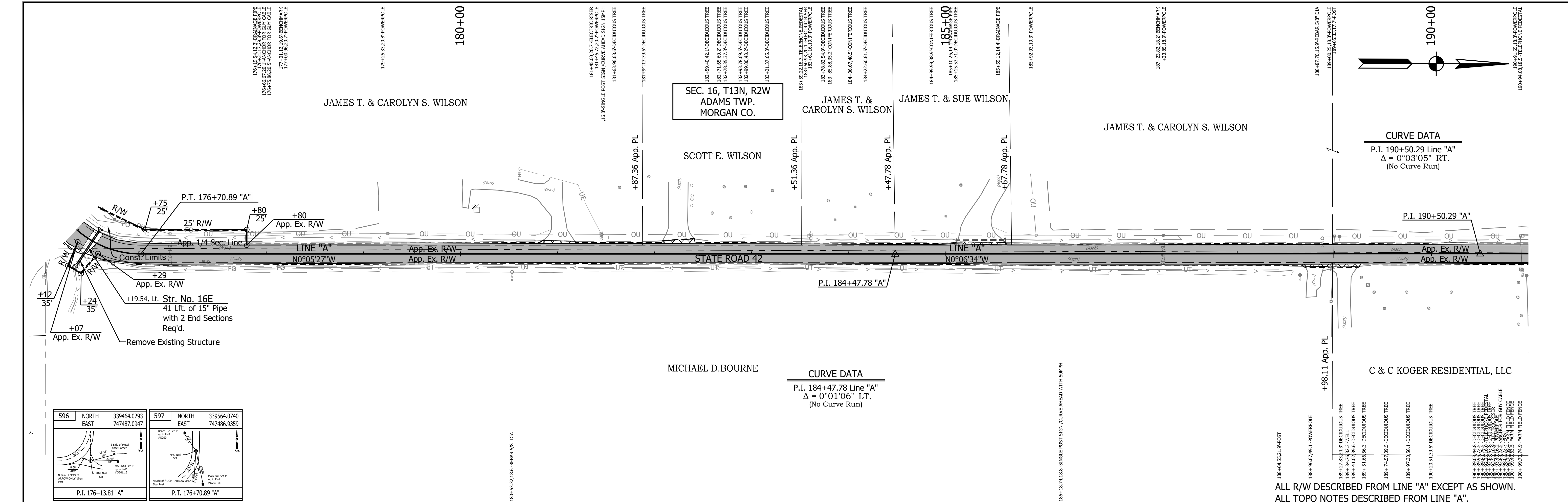
PLAN AND PROFILE
 STA. 146+00.00 TO 161+00.00 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1601075
SURVEY BOOK	SHEET
	33 of 86
CONTRACT	PROJECT
R-40583	1601075

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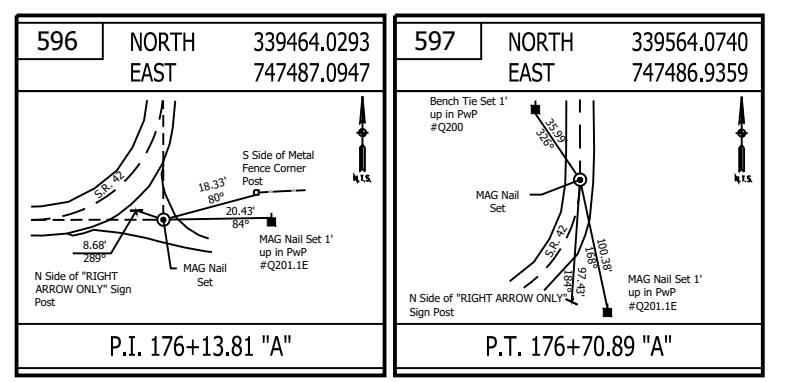


<p>594 NORTH 339462.6039 EAST 746236.2261</p> <p>P.T. 163+62.95 "A"</p>	<p>595 NORTH 339463.9153 EAST 747387.0500</p> <p>P.C. 175+13.77 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL</p> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE</p> <p>STA. 161+00.00 TO 176+00.00 LINE "A"</p>	<p>HORIZONTAL SCALE 1" = 50'</p> <p>VERTICAL SCALE 1" = 5'</p> <p>SURVEY BOOK</p> <p>CONTRACT R-40583</p> <p>BRIDGE FILE N/A</p> <p>DESIGNATION 1601075</p> <p>SHEET 34 of 86</p> <p>PROJECT 1601075</p>
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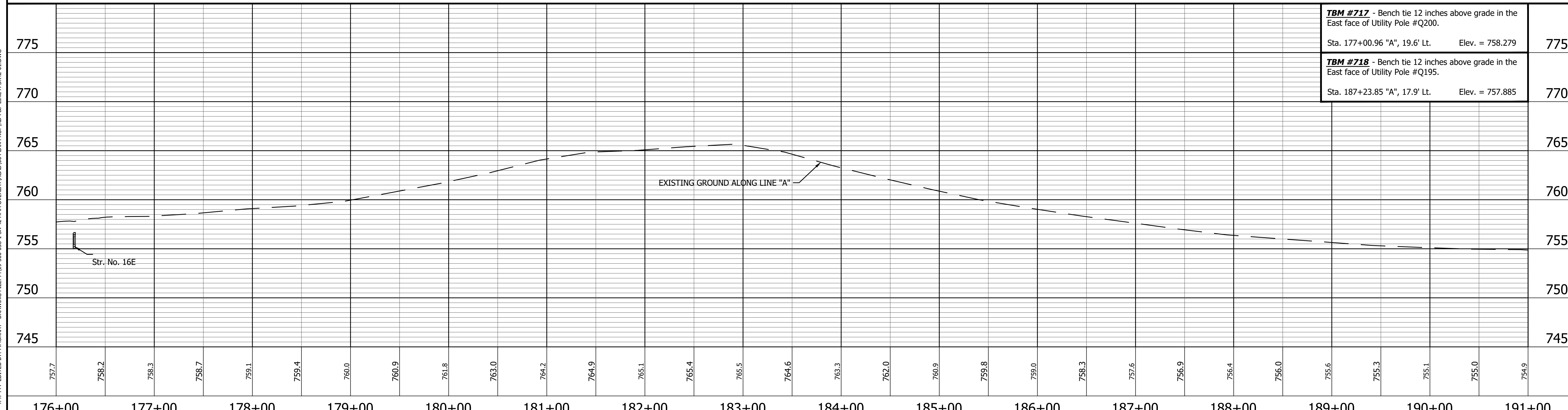


CURVE DATA
 P.I. 190+50.29 Line "A"
 $\Delta = 0^{\circ}03'05''$ RT.
 (No Curve Run)

CURVE DATA
 P.I. 184+47.78 Line "A"
 $\Delta = 0^{\circ}01'06''$ LT.
 (No Curve Run)



ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".

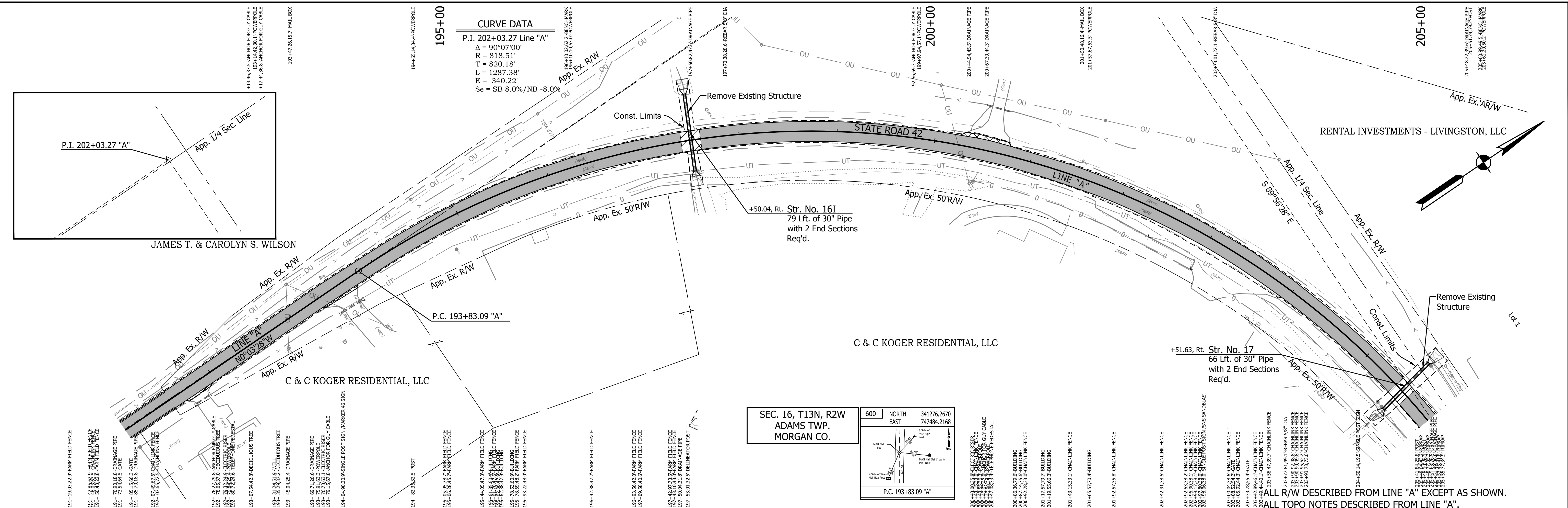


TBM #717 - Bench tie 12 inches above grade in the East face of Utility Pole #Q200. Sta. 177+00.96 "A", 19.6' Lt. Elev. = 758.279	775
TBM #718 - Bench tie 12 inches above grade in the East face of Utility Pole #Q195. Sta. 187+23.85 "A", 17.9' Lt. Elev. = 757.885	770

<p>598 NORTH EAST 340340.9621 747485.7030</p> <p>P.I. 184+47.78 "A"</p>	<p>599 NORTH EAST 340943.4686 747484.5531</p> <p>P.I. 190+50.29 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 176+00.00 TO 191+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>35 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		35 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																				
1" = 50'	N/A																				
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1" = 5'	1601075																				
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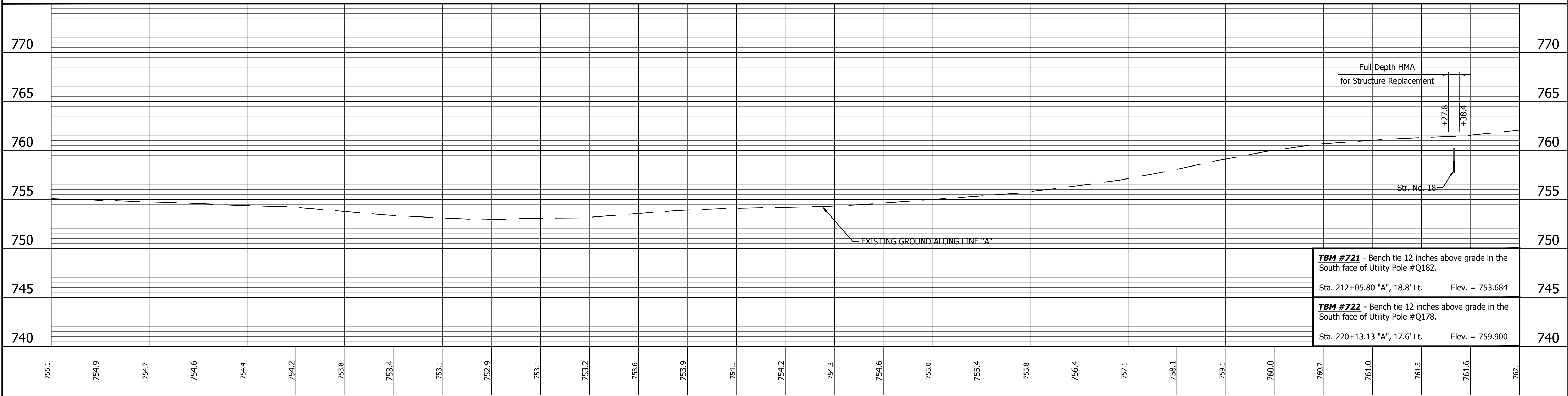
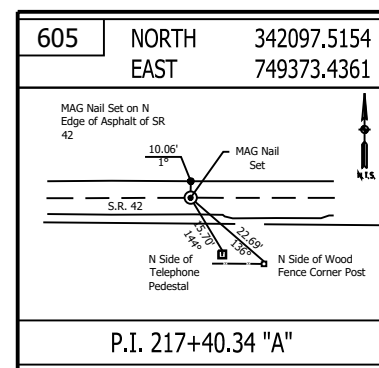
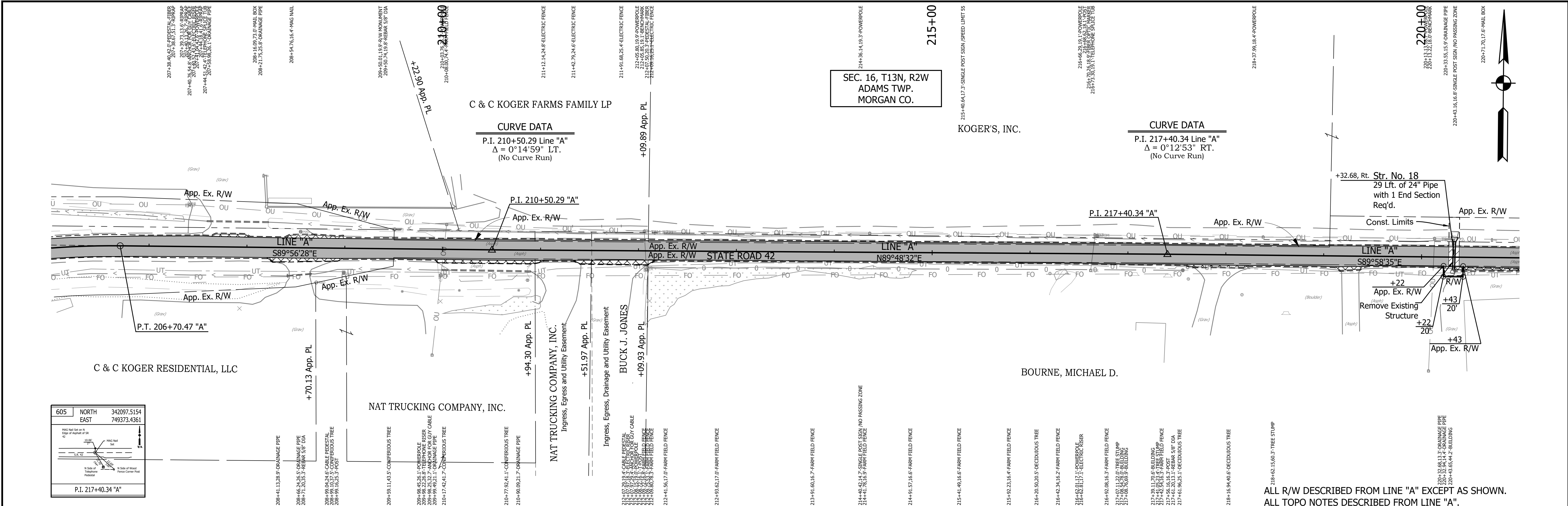
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Station	Elevation	Notes
770		TBM #719 - Bench tie 12 inches above grade in the East face of Utility Pole #Q191. Sta. 196+10.38 "A", 61.9' Lt. Elev. = 751.298
765		TBM #720 - Bench tie 12 inches above grade in the South face of Utility Pole #Q185. Sta. 205+61.06 "A", 49.1' Lt. Elev. = 752.351
760		Full Depth HMA for Structure Replacement
755		Full Depth HMA for Structure Replacement
750		EXISTING GROUND ALONG LINE "A"
745		Str. No. 17
740		Str. No. 16I

<p>601 NORTH 342096.4460 EAST 747483.3880</p> <p>602 NORTH 341836.6306 EAST 747705.3337</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL</p> <p>DESIGNED: MSS DRAWN: KRJ</p> <p>CHECKED: LLC CHECKED: MSS</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE</p> <p>STA. 191+00.00 TO 206+00.00 LINE "A"</p>	<p>HORIZONTAL SCALE 1" = 50'</p> <p>VERTICAL SCALE 1" = 5'</p> <p>SURVEY BOOK R-40583</p> <p>BRIDGE FILE N/A</p> <p>DESIGNATION 1601075</p> <p>SHEET 36 of 86</p> <p>PROJECT 1601075</p>
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PRINT DATE: 5/2/22 PLOT SCALE: 1:1 EDIT DATE: 4/27/22 - 4:47 PM EDITOR BY: MMURRAY DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RP- LINE A-SR42-01.DWG

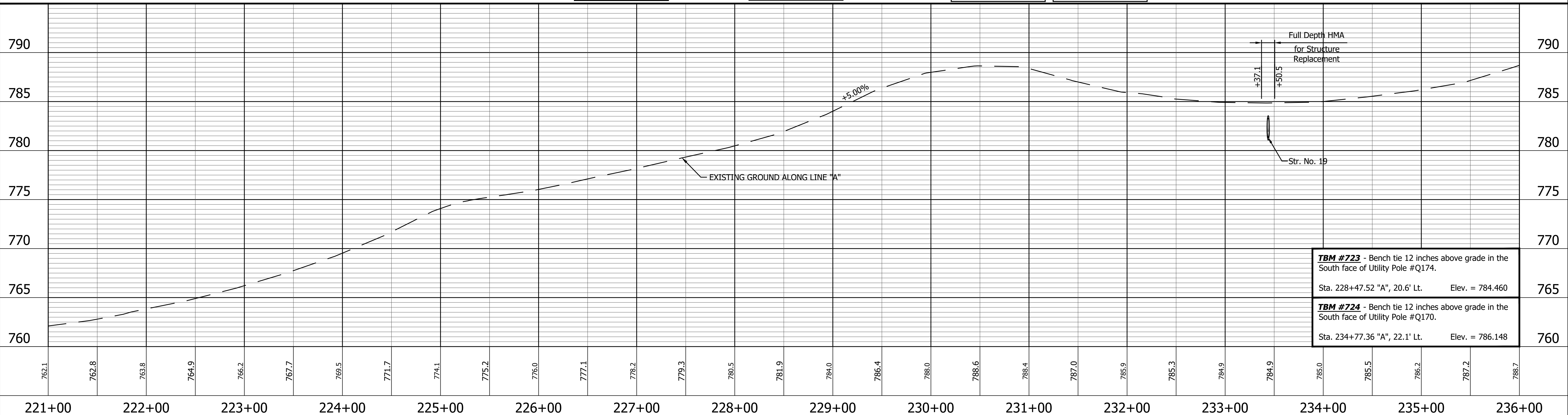
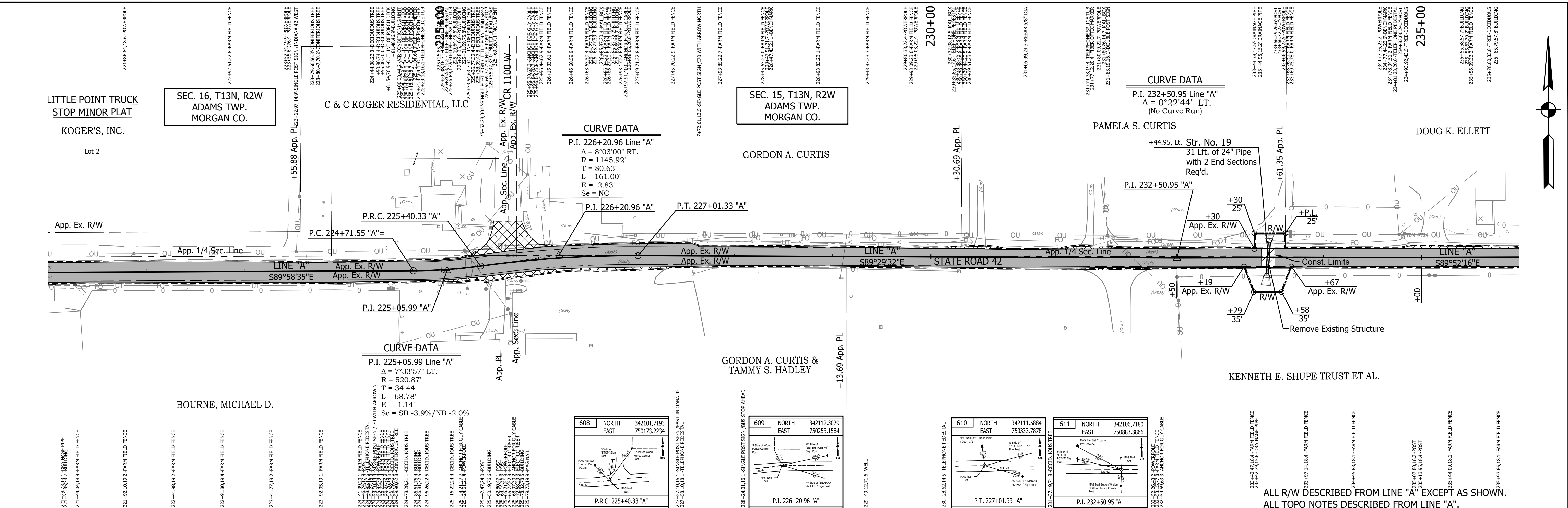


TBM #721 - Bench tie 12 inches above grade in the South face of Utility Pole #Q182. Sta. 212+05.80 "A", 18.8' Lt. Elev. = 753.684

TBM #722 - Bench tie 12 inches above grade in the South face of Utility Pole #Q178. Sta. 220+13.13 "A", 17.6' Lt. Elev. = 759.900

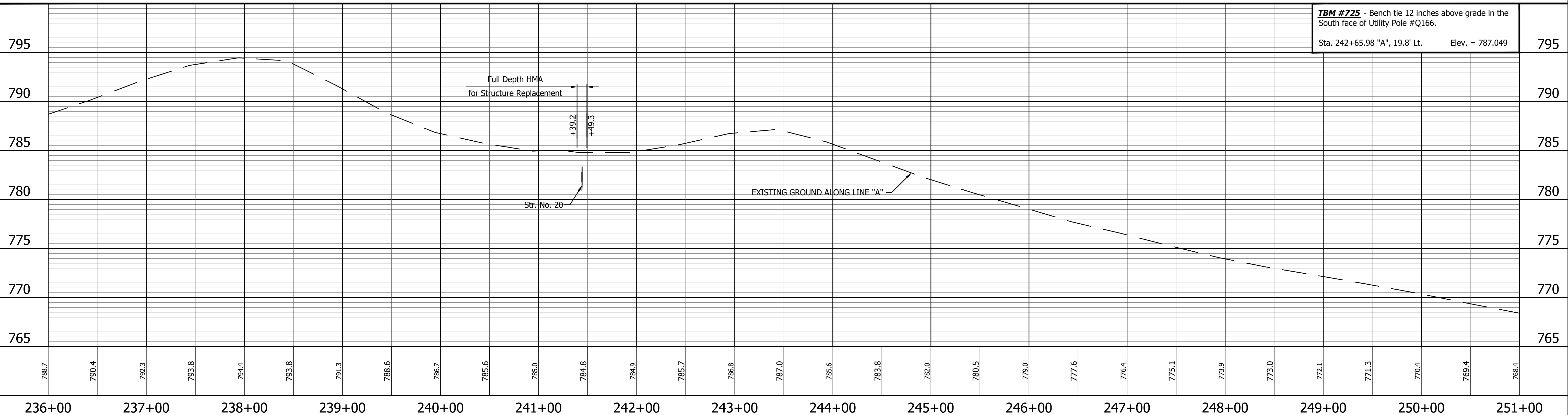
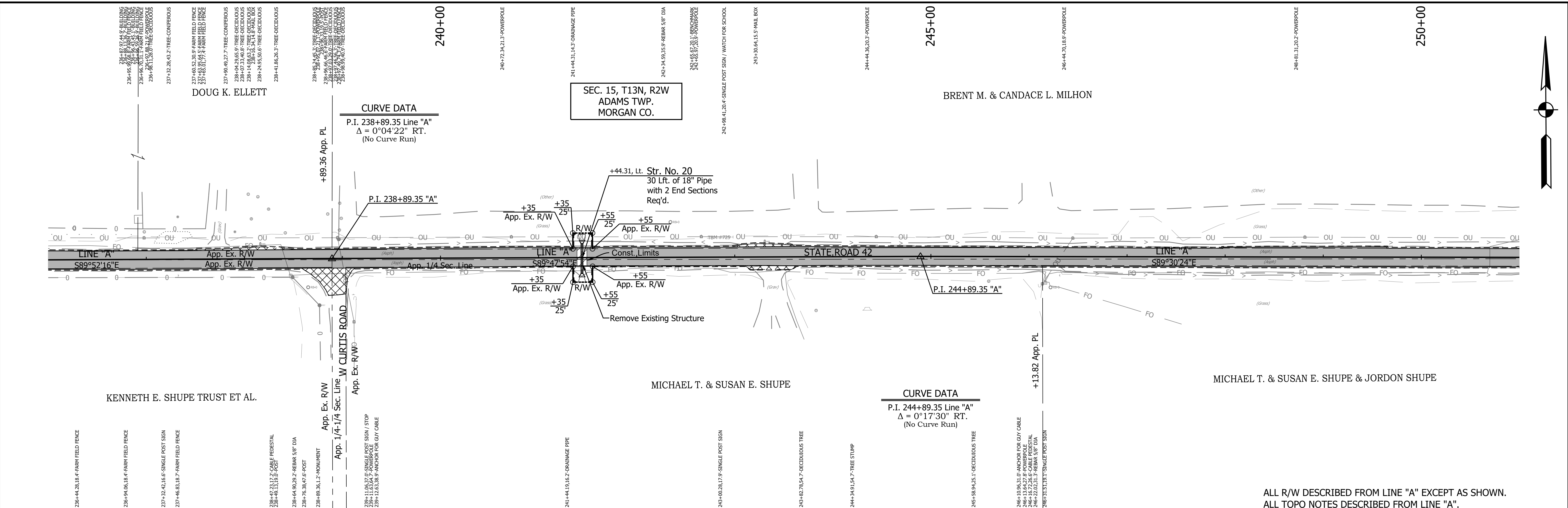
603 NORTH 342095.6048 EAST 748303.5670	604 NORTH 342095.2152 EAST 748683.3873	LEGEND Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections	RECOMMENDED FOR APPROVAL DESIGNED: <u>MSS</u> CHECKED: <u>LLC</u> DRAWN: <u>KRU</u> CHECKED: <u>MSS</u>	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 206+00.00 TO 221+00.00 LINE "A"	HORIZONTAL SCALE 1" = 50' VERTICAL SCALE 1" = 5' BRIDGE FILE N/A DESIGNATION 1601075 SURVEY BOOK SHEET 37 of 86 CONTRACT PROJECT R-40583 1601075
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PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:47 PM
 EDITOR: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RP- LINE A-SR42-01.DWG



<p>606 NORTH 342097.2129 EAST 750104.6398</p> <p>607 NORTH 342097.1987 EAST 750139.0805</p> <p>P.C. 224+71.55 "A"</p> <p>P.I. 225+05.99 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: MSS DRAWN: KRJ</p> <p>CHECKED: LLC CHECKED: MSS</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 221+00.00 TO 236+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>38 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		38 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																			
1" = 50'	N/A																			
VERTICAL SCALE	DESIGNATION																			
1" = 5'	1601075																			
SURVEY BOOK	SHEET																			
	38 of 86																			
CONTRACT	PROJECT																			
R-40583	1601075																			

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:47 PM
 EDITOR: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-01.DWG



612	NORTH EAST	342105.2827 751521.7908
P.I. 238+89.35 "A"		

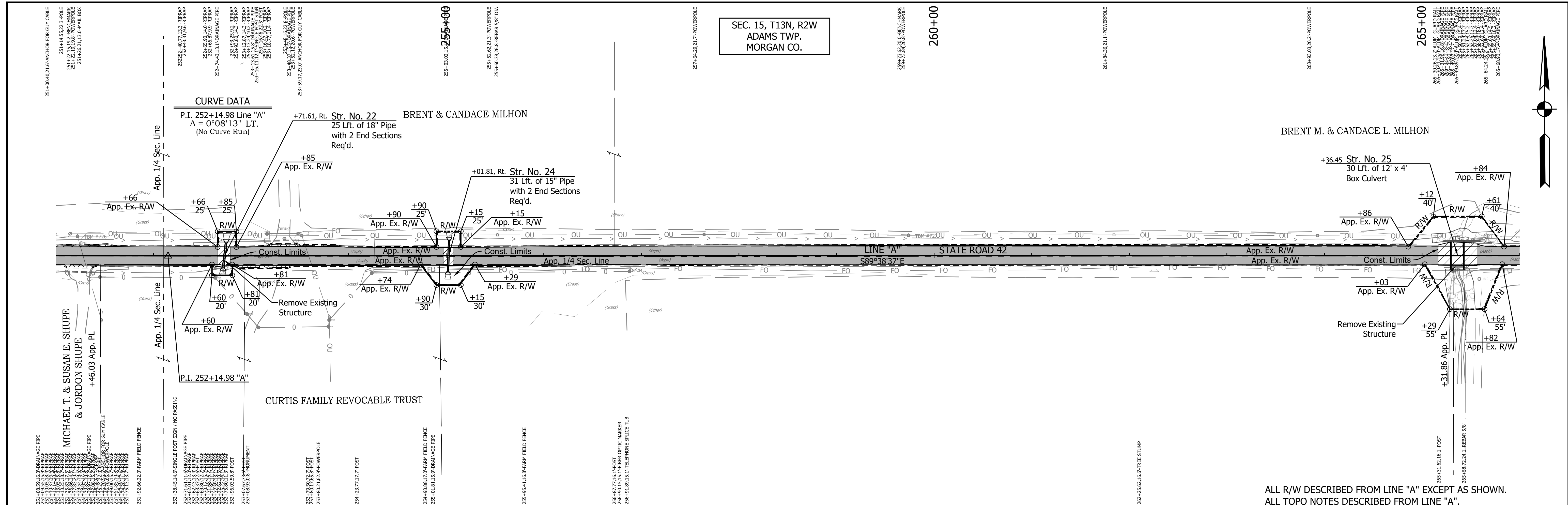
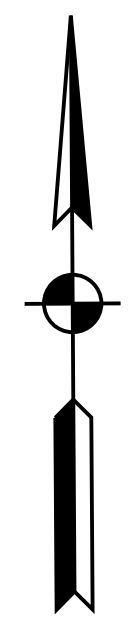
613	NORTH EAST	342103.1711 752121.7871
P.I. 244+89.35 "A"		

RECOMMENDED FOR APPROVAL	
DESIGNED: <u>MSS</u>	DRAWN: <u>KRU</u>
CHECKED: <u>LLC</u>	CHECKED: <u>MSS</u>

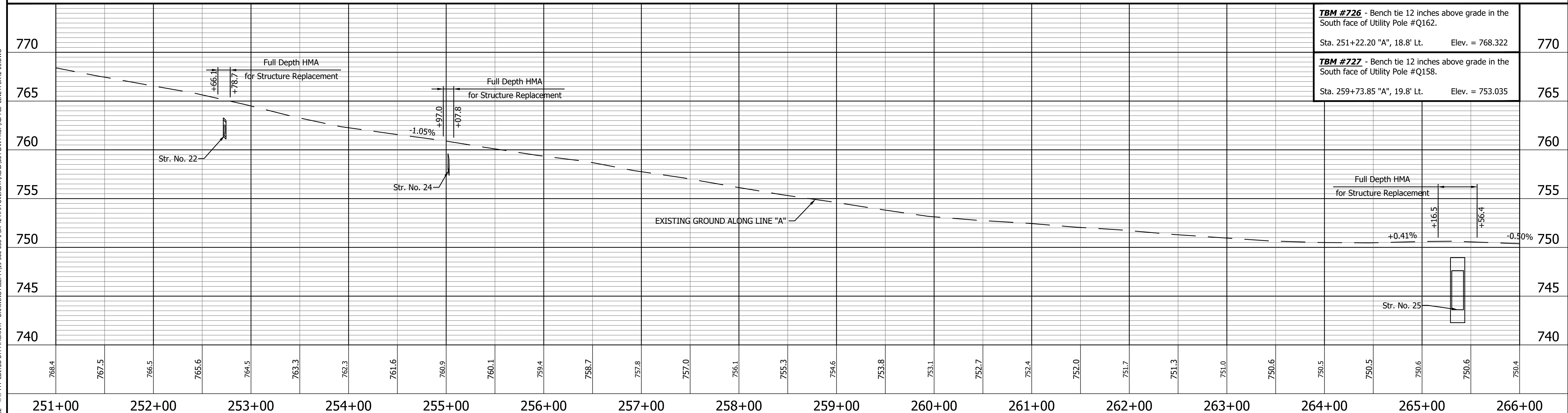
INDIANA
DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA. 236+00.00 TO 251+00.00 LINE "A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET 39 of 86
CONTRACT R-40583	PROJECT 1601075

SEC. 15, T13N, R2W
ADAMS TWP.
MORGAN CO.



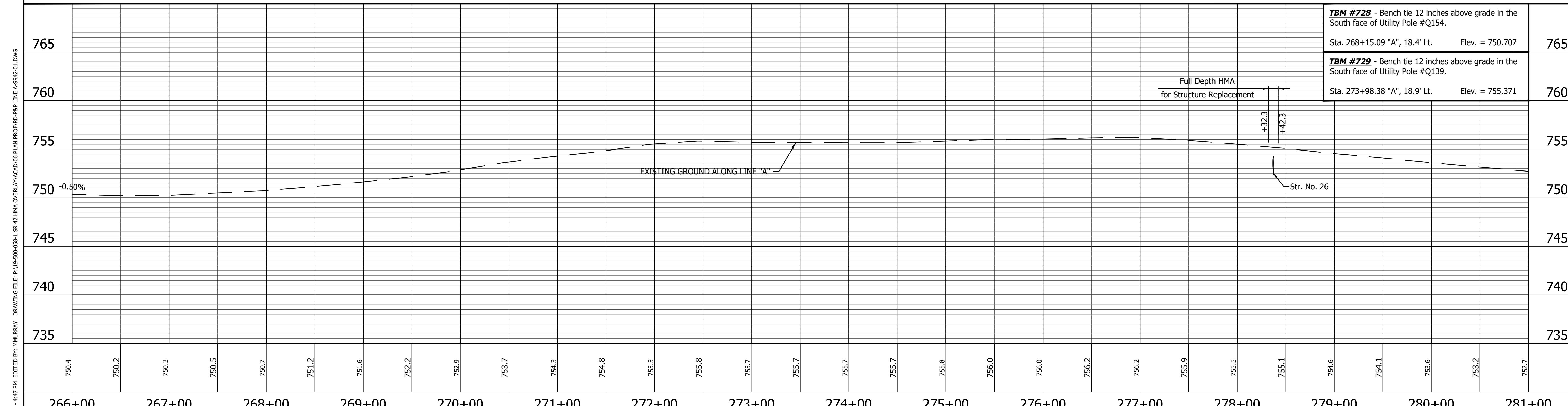
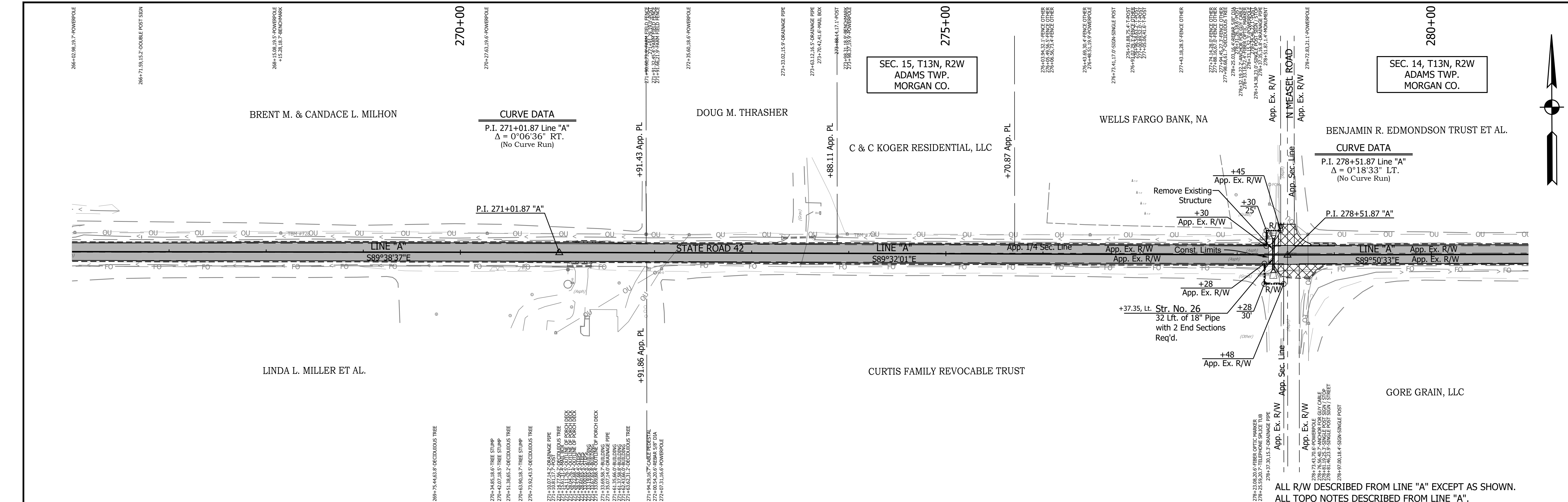
ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".



TBM #726 - Bench tie 12 inches above grade in the South face of Utility Pole #Q162. Sta. 251+22.20 "A", 18.8' Lt. Elev. = 768.322	770
TBM #727 - Bench tie 12 inches above grade in the South face of Utility Pole #Q158. Sta. 259+73.85 "A", 19.8' Lt. Elev. = 753.035	765

<p>614 NORTH EAST 342096.9243 752847.3859</p> <p>615 NORTH EAST 342091.1083 753782.3872</p> <p>P.I. 252+14.98 "A"</p> <p>P.O.T. 261+50.00 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p style="text-align: center;">DESIGN ENGINEER DATE</p> <hr/> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 251+00.00 TO 266+00.00 LINE "A"</p>	<table border="1" style="font-size: small;"> <tr><td>HORIZONTAL SCALE</td><td>BRIDGE FILE</td></tr> <tr><td>1" = 50'</td><td>N/A</td></tr> <tr><td>VERTICAL SCALE</td><td>DESIGNATION</td></tr> <tr><td>1" = 5'</td><td>1601075</td></tr> <tr><td>SURVEY BOOK</td><td>SHEET</td></tr> <tr><td></td><td>40 of 86</td></tr> <tr><td>CONTRACT</td><td>PROJECT</td></tr> <tr><td>R-40583</td><td>1601075</td></tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		40 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																			
1" = 50'	N/A																			
VERTICAL SCALE	DESIGNATION																			
1" = 5'	1601075																			
SURVEY BOOK	SHEET																			
	40 of 86																			
CONTRACT	PROJECT																			
R-40583	1601075																			

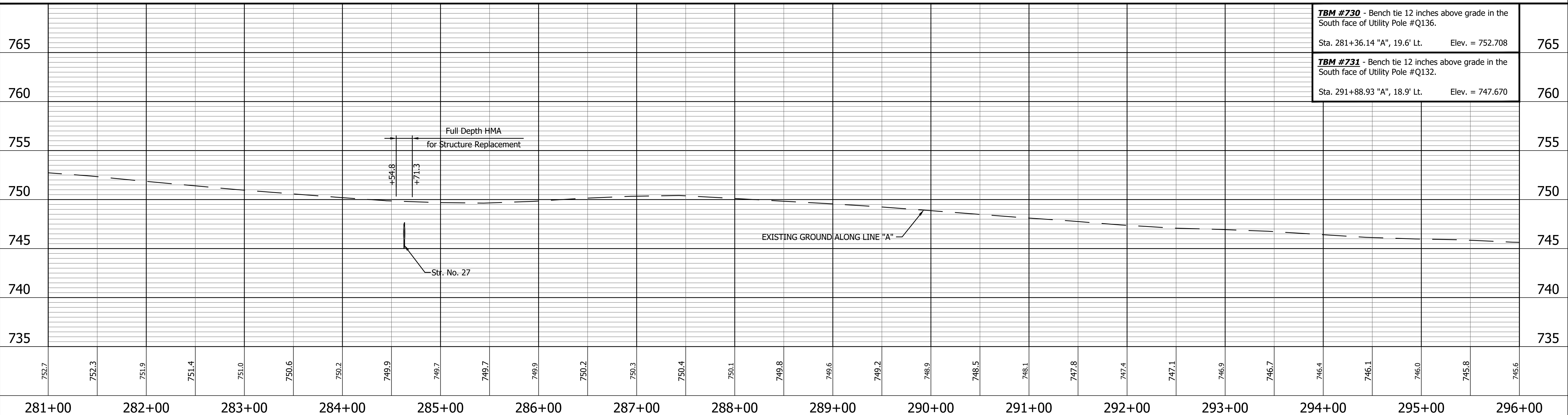
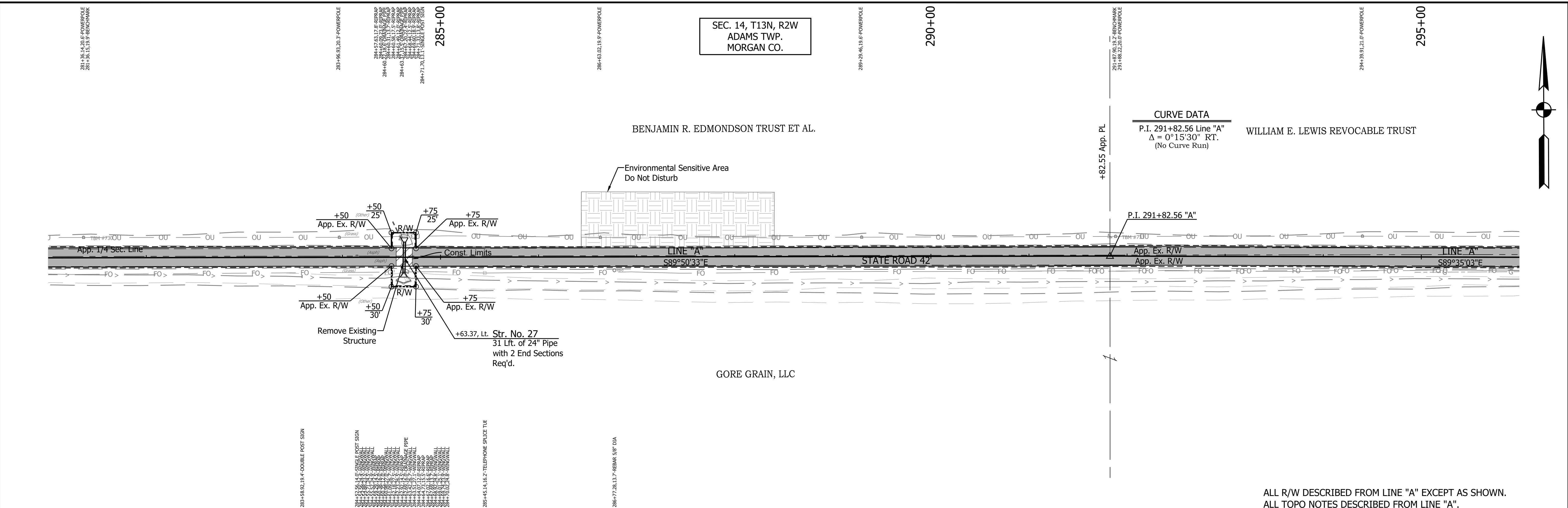
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<p>616 NORTH EAST 342085.1876 754734.2380</p> <p>617 NORTH EAST 342079.0815 755494.2132</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE</p> <p>STA. 266+00.00 TO 281+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>HORIZONTAL SCALE</td><td>BRIDGE FILE</td></tr> <tr><td>1" = 50'</td><td>N/A</td></tr> <tr><td>VERTICAL SCALE</td><td>DESIGNATION</td></tr> <tr><td>1" = 5'</td><td>1601075</td></tr> <tr><td>SURVEY BOOK</td><td>SHEET</td></tr> <tr><td></td><td>41 of 86</td></tr> <tr><td>CONTRACT</td><td>PROJECT</td></tr> <tr><td>R-40583</td><td>1601075</td></tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		41 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																			
1" = 50'	N/A																			
VERTICAL SCALE	DESIGNATION																			
1" = 5'	1601075																			
SURVEY BOOK	SHEET																			
	41 of 86																			
CONTRACT	PROJECT																			
R-40583	1601075																			

PRINT DATE: 5/2/22
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ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".

TBM #730 - Bench tie 12 inches above grade in the South face of Utility Pole #Q136. Sta. 281+36.14 "A", 19.6' Lt. Elev. = 752.708	765
TBM #731 - Bench tie 12 inches above grade in the South face of Utility Pole #Q132. Sta. 291+88.93 "A", 18.9' Lt. Elev. = 747.670	760

618 NORTH 342075.4252
 EAST 756814.8943
 P.I. 291+82.56 "A"

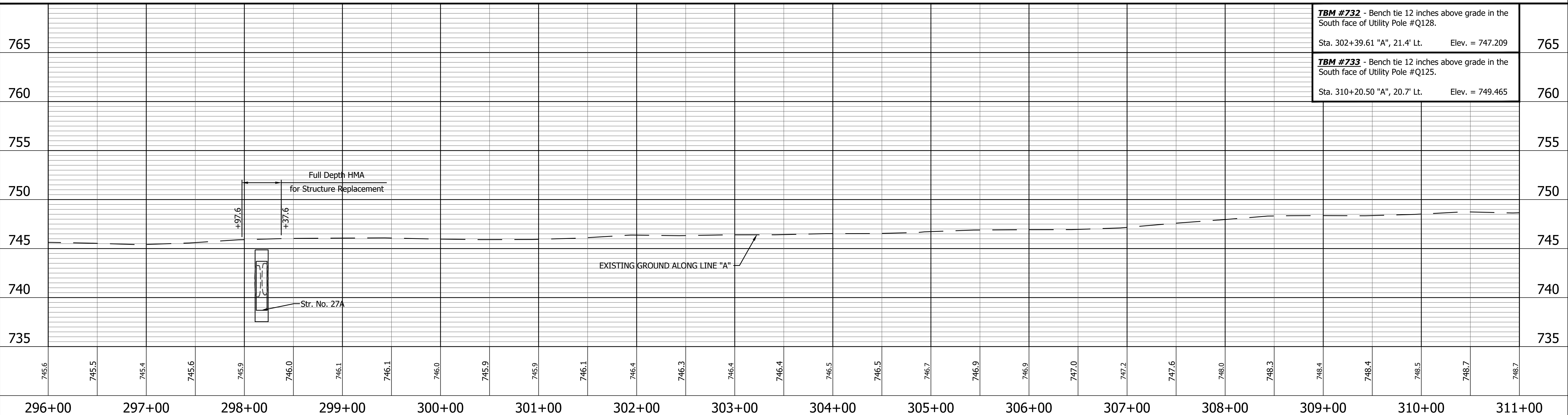
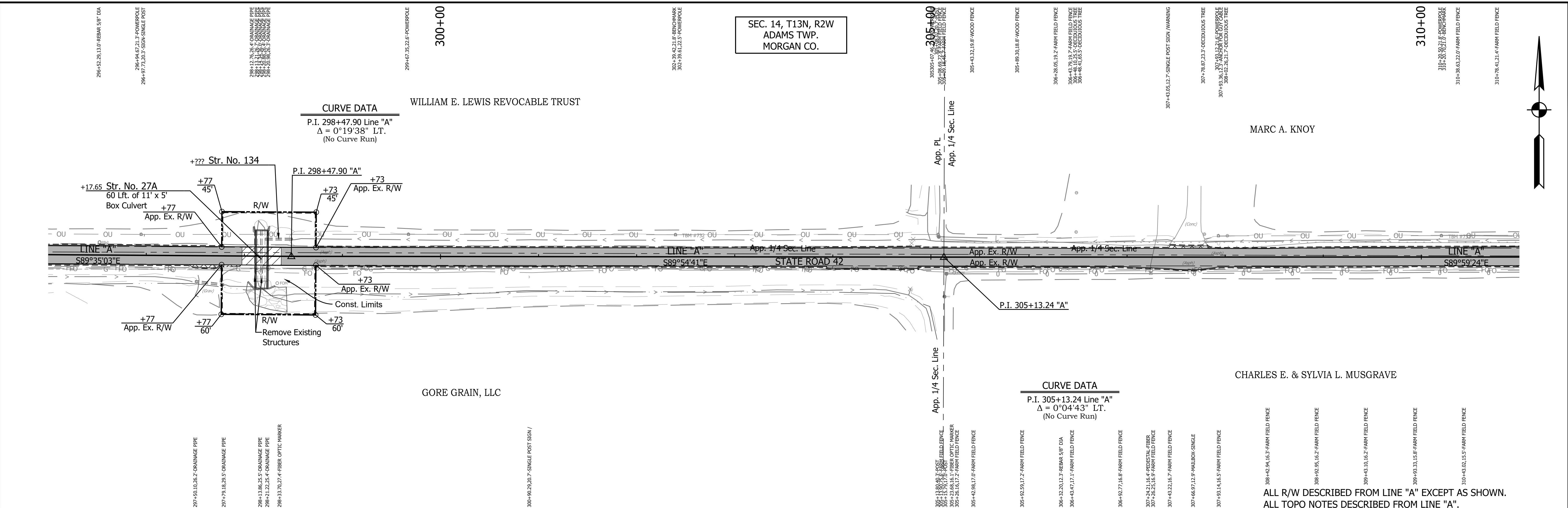
LEGEND	
	Wetland Delineation
	Environmental Sensitive Area - Do Not Disturb
	Curb Ramp
	Approach Milling and HMA Overlay - See Typical Sections
	Structural Overlay (RURAL) - See Typical Sections
	Structural Overlay (URBAN) - See Typical Sections
	Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: KRJ	
CHECKED: LLC	CHECKED: MSS	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN AND PROFILE
 STA. 281+00.00 TO 296+00.00 LINE "A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET
	42 of 86
CONTRACT R-40583	PROJECT 1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:47 PM
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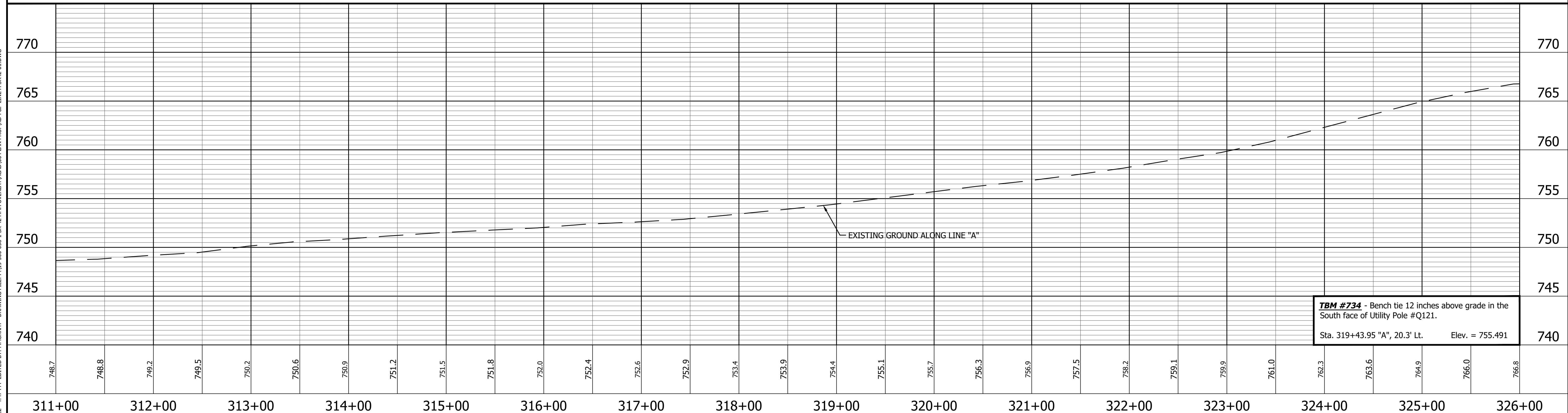
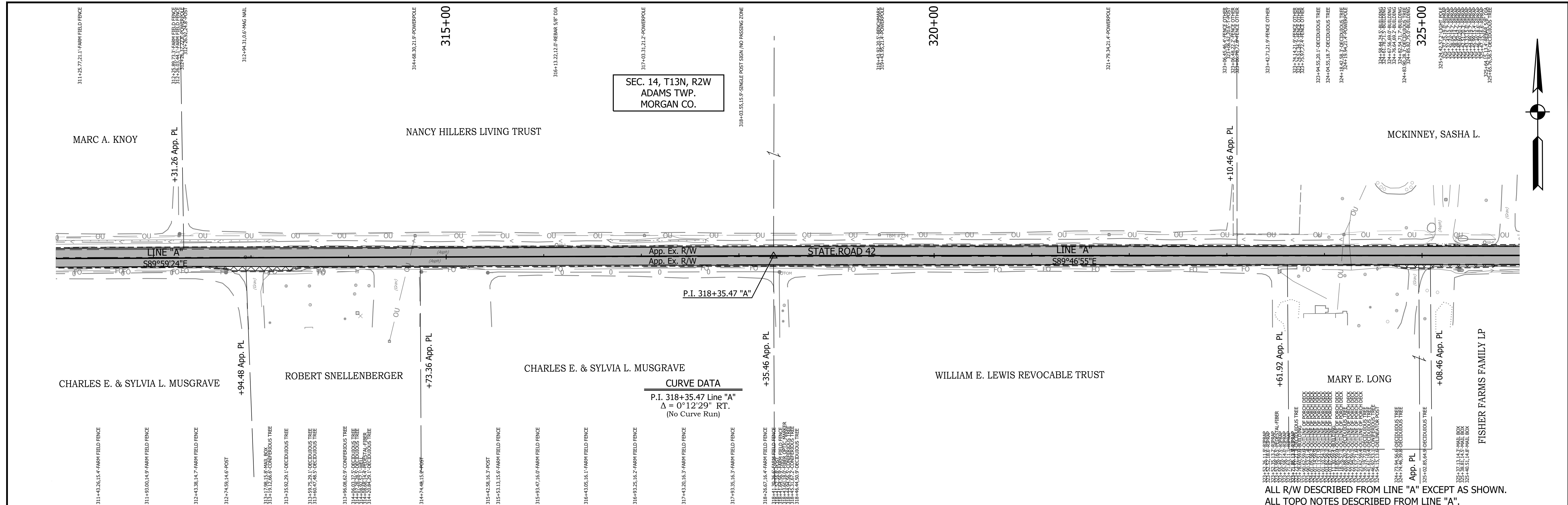


TBM #732 - Bench tie 12 inches above grade in the South face of Utility Pole #Q128.
 Sta. 302+39.61 "A", 21.4' Lt. Elev. = 747.209
TBM #733 - Bench tie 12 inches above grade in the South face of Utility Pole #Q125.
 Sta. 310+20.50 "A", 20.7' Lt. Elev. = 749.465

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".

619 NORTH 342070.5971 EAST 757480.2251 	620 NORTH 342069.5689 EAST 758145.5652 	LEGEND Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: MSS DRAWN: KRJ CHECKED: LLC CHECKED: MSS	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 296+00.00 TO 311+00.00 LINE "A"	HORIZONTAL SCALE 1" = 50' VERTICAL SCALE 1" = 5' SURVEY BOOK _____ CONTRACT R-40583	BRIDGE FILE N/A DESIGNATION 1601075 SHEET 43 of 86 PROJECT 1601075
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PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
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 EDITOR: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RFP LINE A-SR42-01.DWG



621 NORTH 342069.3384
 EAST 759467.7870

P.I. 318+35.47 "A"

LEGEND

- Wetland Delineation
- Environmental Sensitive Area - Do Not Disturb
- Curb Ramp
- Approach Milling and HMA Overlay - See Typical Sections
- Structural Overlay (RURAL) - See Typical Sections
- Structural Overlay (URBAN) - See Typical Sections
- Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL

DESIGNED: MSS
 CHECKED: LLC

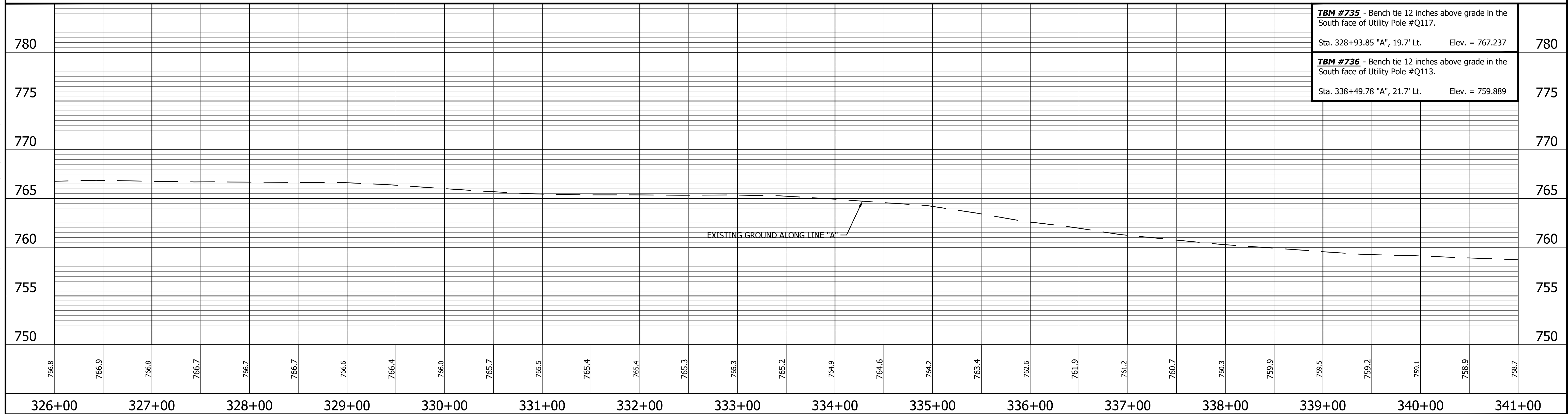
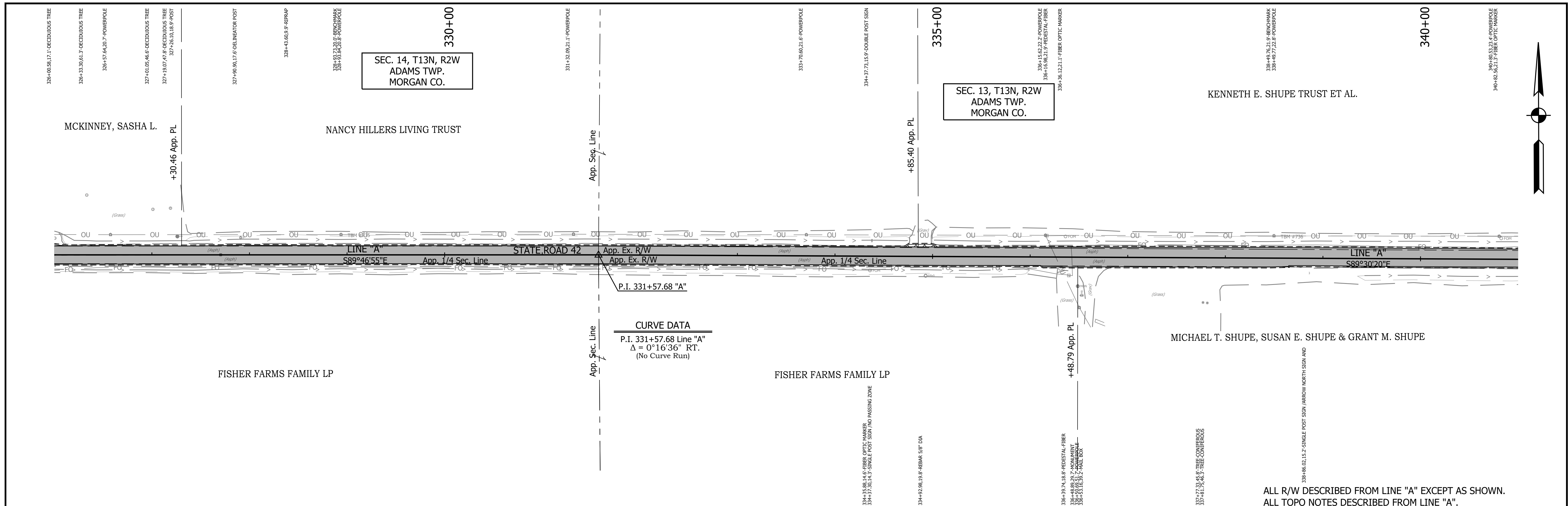
DRAWN: KRJ
 CHECKED: MSS

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 STA. 311+00.00 TO 326+00.00 LINE "A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET
R-40583	44 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22 PLOT SCALE: 1:1 EDIT DATE: 4/27/22 - 4:47 PM EDITED BY: MMURRAY DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-01.DWG



365 NORTH 342064.3079
EAST 760789.9919

P.I. 331+57.68 "A"

LEGEND

	Wetland Delineation		Approach Milling and HMA Overlay - See Typical Sections
	Environmental Sensitive Area - Do Not Disturb		Structural Overlay (RURAL) - See Typical Sections
	Curb Ramp		Structural Overlay (URBAN) - See Typical Sections
			Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL

DESIGNED: MSS DRAWN: KRJ

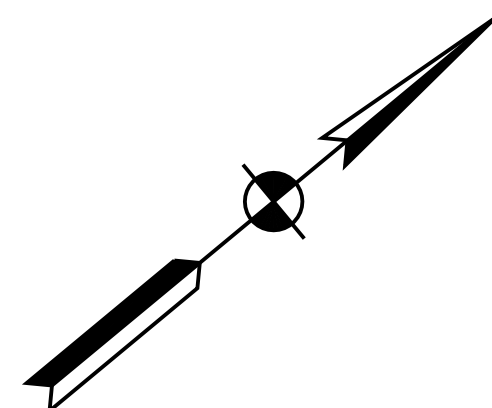
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**INDIANA
DEPARTMENT OF TRANSPORTATION**

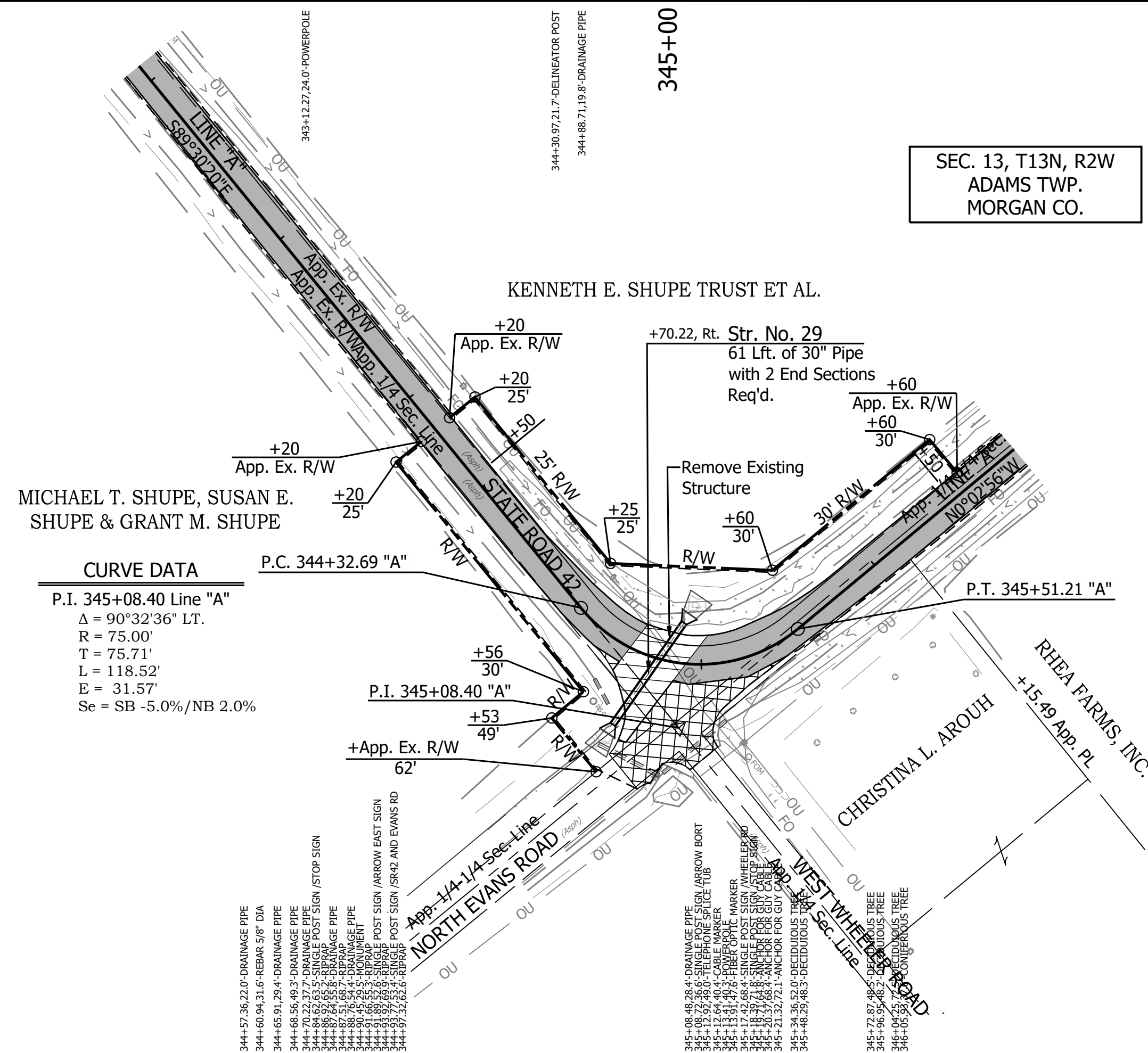
PLAN AND PROFILE

STA. 326+00.00 TO 341+00.00 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
DESIGNATION	
1601075	
SURVEY BOOK	SHEET
	45 of 86
PROJECT	
1601075	



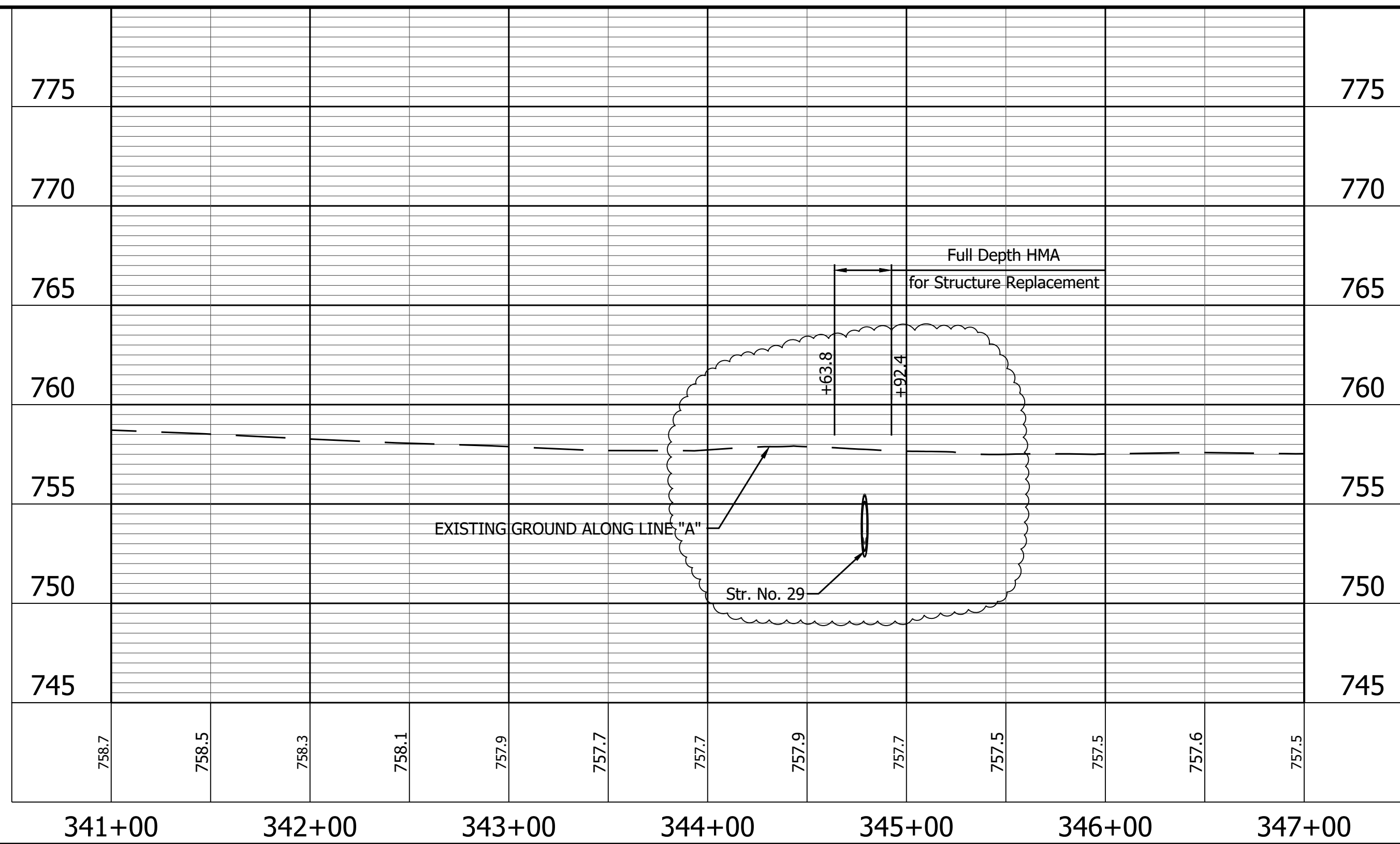
SEC. 13, T13N, R2W
ADAMS TWP.
MORGAN CO.



CURVE DATA
P.I. 345+08.40 Line "A"
Δ = 90°32'36" LT.
R = 75.00'
T = 75.71'
L = 118.52'
E = 31.57'
Se = SB -5.0%/NB 2.0%

625	NORTH	342128.3645
	EAST	762140.6009
P.T. 345+51.21 "A"		

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".



PRINT DATE: 5/27/22
PLOT SCALE: 1:1
DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-01.DWG
EDITED BY: MMURRAY
DESIGNED BY: MMURRAY

623	NORTH	342053.3034
	EAST	762064.9536
P.C. 344+32.69 "A"		

624	NORTH	342052.6499
	EAST	762140.6654
P.I. 345+08.40 "A"		

LEGEND

- Wetland Delineation
- Environmental Sensitive Area - Do Not Disturb
- Curb Ramp
- Approach Milling and HMA Overlay - See Typical Sections
- Structural Overlay (RURAL) - See Typical Sections
- Structural Overlay (URBAN) - See Typical Sections
- Full Depth HMA for Structure Replacement - See Typical Sections

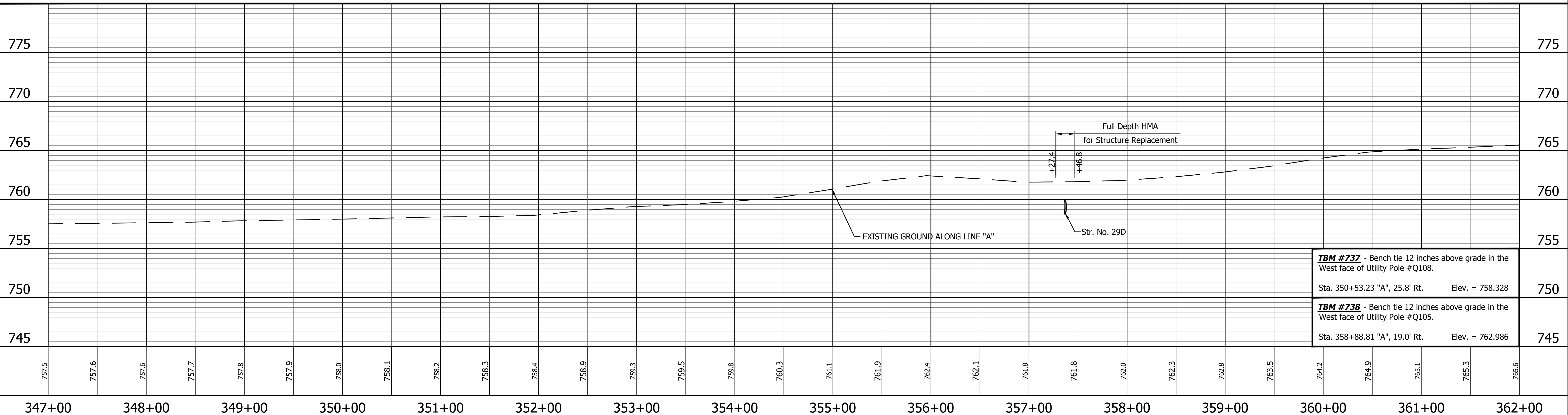
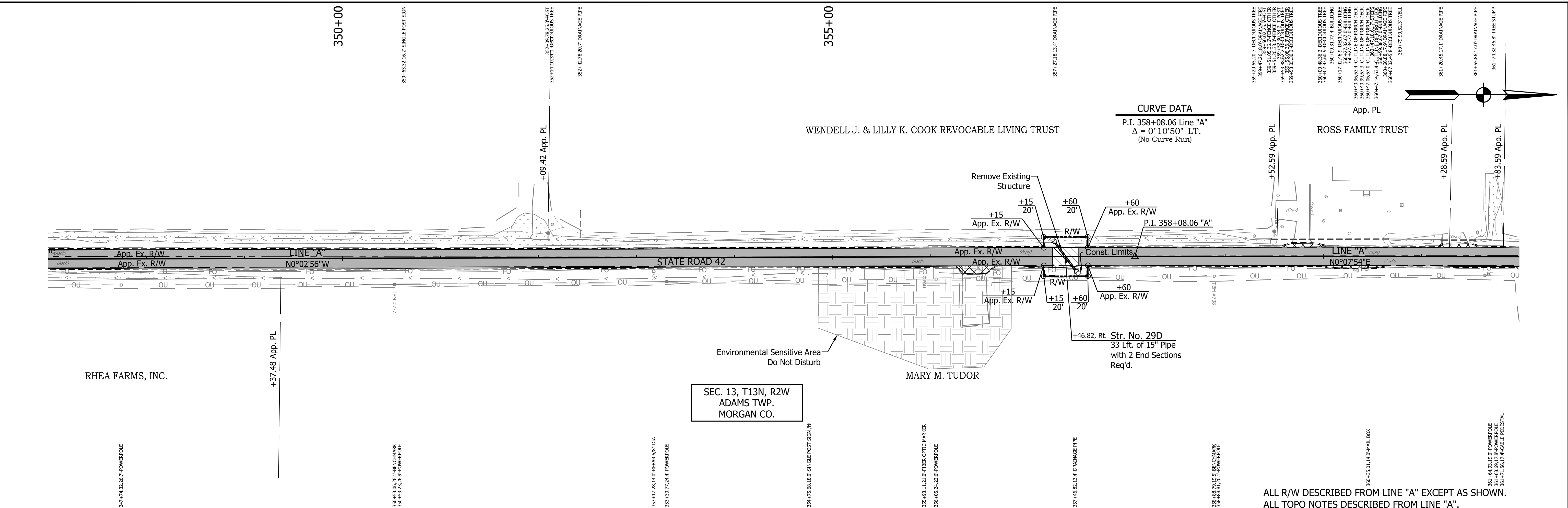
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: KRJ	
CHECKED: LLC	CHECKED: MSS	

INDIANA DEPARTMENT OF TRANSPORTATION

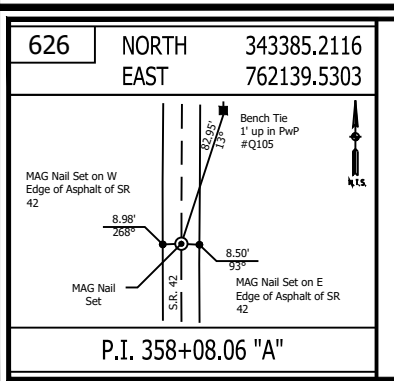
PLAN AND PROFILE
STA. 341+00.00 TO 347+00.00 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1601075
SURVEY BOOK	SHEET
	46 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22
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TBM #737 - Bench tie 12 inches above grade in the West face of Utility Pole #Q108. Sta. 350+53.23 "A", 25.8' Rt. Elev. = 758.328	750
TBM #738 - Bench tie 12 inches above grade in the West face of Utility Pole #Q105. Sta. 358+88.81 "A", 19.0' Rt. Elev. = 762.986	745



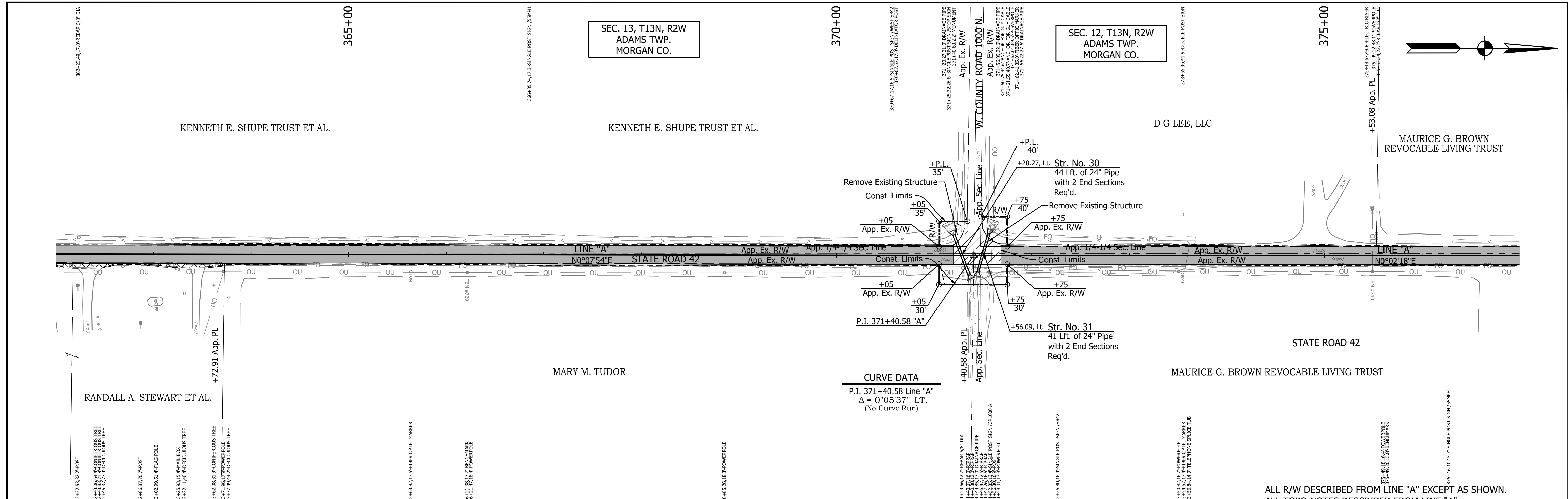
LEGEND	
	Wetland Delineation
	Environmental Sensitive Area - Do Not Disturb
	Curb Ramp
	Approach Milling and HMA Overlay - See Typical Sections
	Structural Overlay (RURAL) - See Typical Sections
	Structural Overlay (URBAN) - See Typical Sections
	Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: KRJ	
CHECKED: LLC	CHECKED: MSS	

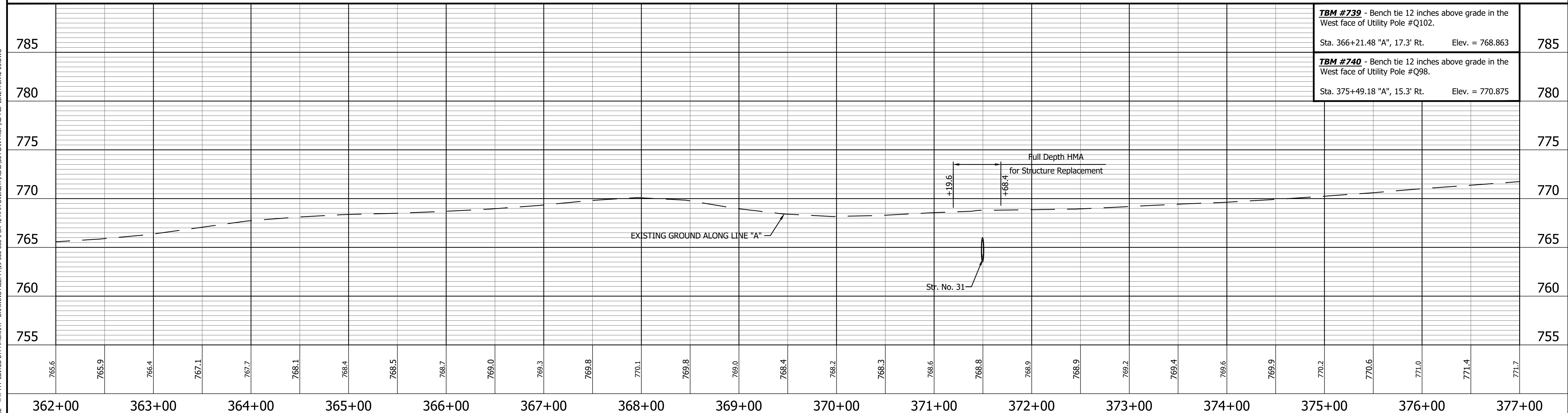
INDIANA
 DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
 STA. 347+00.00 TO 362+00.00 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1601075
SURVEY BOOK	SHEET
	47 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:47 PM
 EDITOR: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RP- LINE A-SR42-01.DWG



CURVE DATA
 P.I. 371+40.58 Line "A"
 $\Delta = 0^{\circ}05'37''$ LT.
 (No Curve Run)

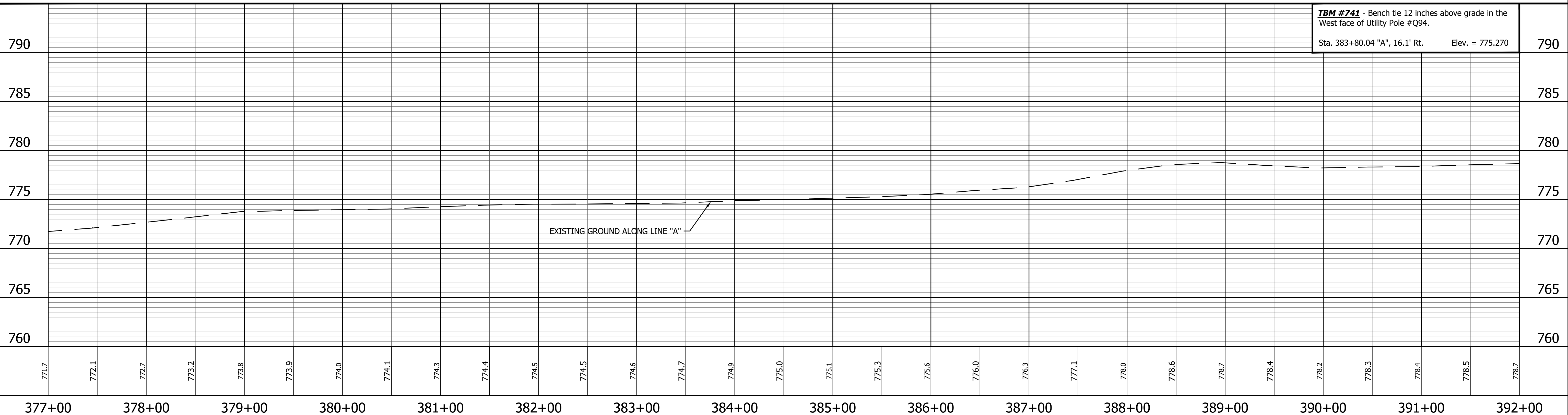
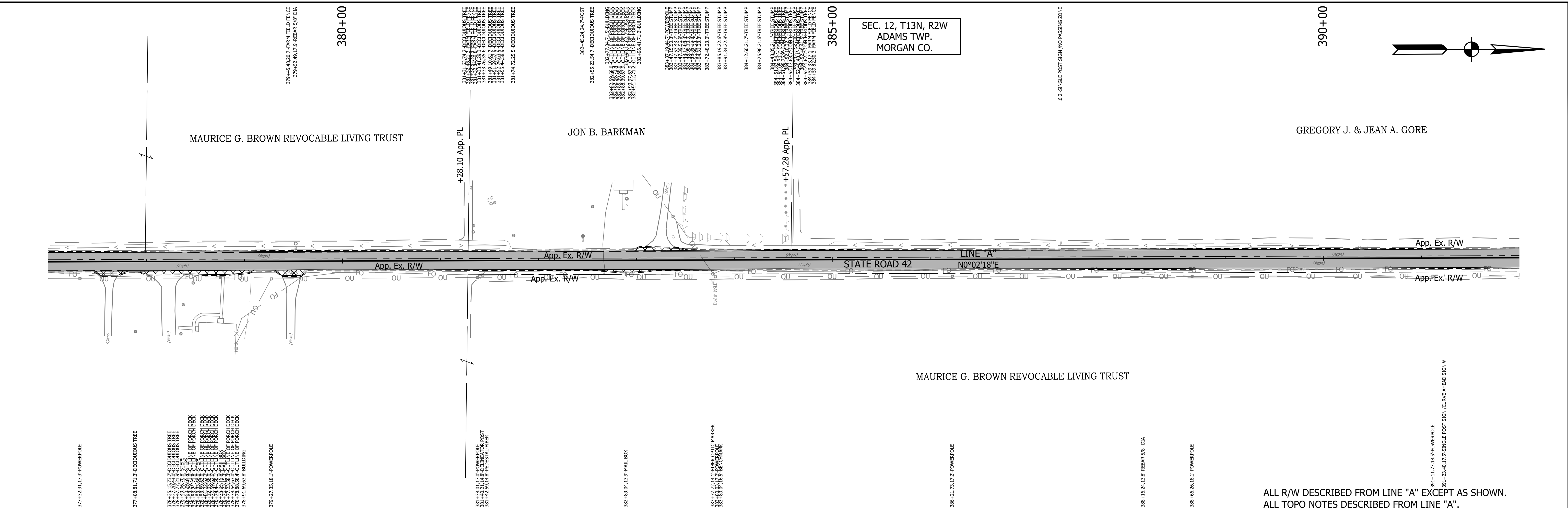


ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".

TBM #739 - Bench tie 12 inches above grade in the West face of Utility Pole #Q102. Sta. 366+21.48 "A", 17.3' Rt. Elev. = 768.863	785
TBM #740 - Bench tie 12 inches above grade in the West face of Utility Pole #Q98. Sta. 375+49.18 "A", 15.3' Rt. Elev. = 770.875	780

627 NORTH 344717.7275 EAST 762142.5952 P.I. 371+40.58 "A"	LEGEND <table style="width: 100%;"> <tr> <td></td> <td>Wetland Delineation</td> <td></td> <td>Approach Milling and HMA Overlay - See Typical Sections</td> </tr> <tr> <td></td> <td>Environmental Sensitive Area - Do Not Disturb</td> <td></td> <td>Structural Overlay (RURAL) - See Typical Sections</td> </tr> <tr> <td></td> <td>Curb Ramp</td> <td></td> <td>Structural Overlay (URBAN) - See Typical Sections</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Full Depth HMA for Structure Replacement - See Typical Sections</td> </tr> </table>		Wetland Delineation		Approach Milling and HMA Overlay - See Typical Sections		Environmental Sensitive Area - Do Not Disturb		Structural Overlay (RURAL) - See Typical Sections		Curb Ramp		Structural Overlay (URBAN) - See Typical Sections				Full Depth HMA for Structure Replacement - See Typical Sections	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 362+00.00 TO 377+00.00 LINE "A"	<table border="1" style="width: 100%;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>48 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		48 of 86	CONTRACT	PROJECT	R-40583	1601075
	Wetland Delineation		Approach Milling and HMA Overlay - See Typical Sections																																	
	Environmental Sensitive Area - Do Not Disturb		Structural Overlay (RURAL) - See Typical Sections																																	
	Curb Ramp		Structural Overlay (URBAN) - See Typical Sections																																	
			Full Depth HMA for Structure Replacement - See Typical Sections																																	
HORIZONTAL SCALE	BRIDGE FILE																																			
1" = 50'	N/A																																			
VERTICAL SCALE	DESIGNATION																																			
1" = 5'	1601075																																			
SURVEY BOOK	SHEET																																			
	48 of 86																																			
CONTRACT	PROJECT																																			
R-40583	1601075																																			

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:47 PM
 EDITOR: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-01.DWG



ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".

TBM #741 - Bench tie 12 inches above grade in the West face of Utility Pole #Q94.
 Sta. 383+80.04 "A", 16.1' Rt. Elev. = 775.270

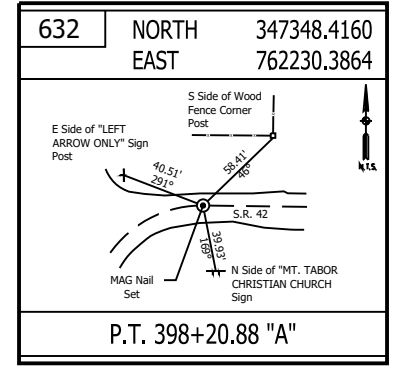
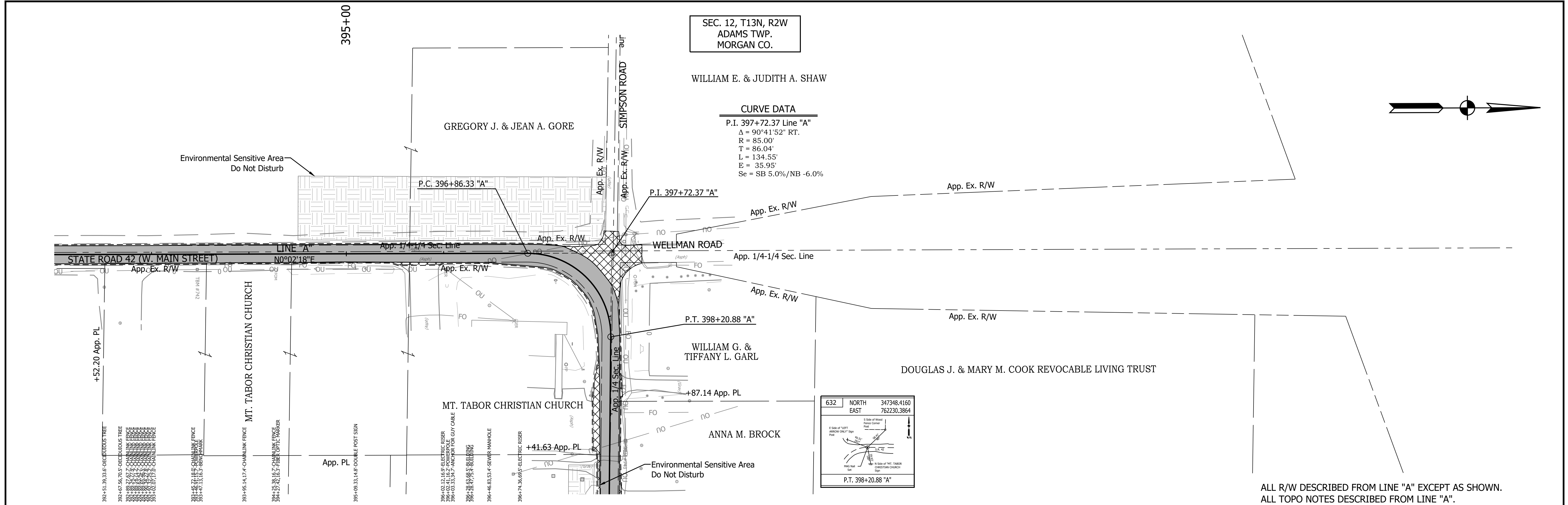
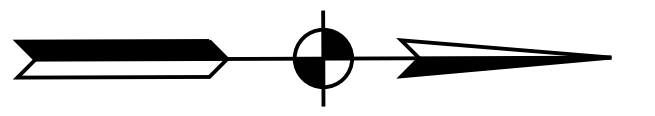
628 NORTH 345577.1493 EAST 762143.1689 P.O.T. 380+00.00 "A"	629 NORTH 346427.1491 EAST 762143.7363 P.O.T. 388+50.00 "A"	LEGEND Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u> CHECKED: <u>LLC</u> CHECKED: <u>MSS</u>	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 377+00.00 TO 392+00.00 LINE "A"	HORIZONTAL SCALE 1" = 50' VERTICAL SCALE 1" = 5' SURVEY BOOK _____ CONTRACT R-40583	BRIDGE FILE N/A DESIGNATION 1601075 SHEET 49 of 86 PROJECT 1601075
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SEC. 12, T13N, R2W
ADAMS TWP.
MORGAN CO.

WILLIAM E. & JUDITH A. SHAW

CURVE DATA

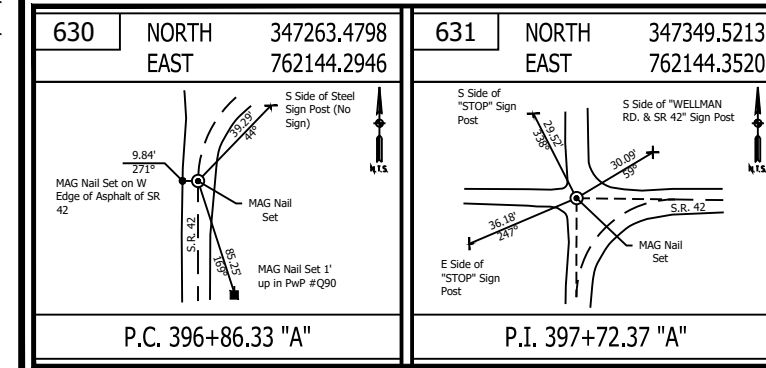
P.I. 397+72.37 Line "A"
Δ = 90°41'52" RT.
R = 85.00'
T = 86.04'
L = 134.55'
E = 35.95'
S_e = SB 5.0%/NB -6.0%



ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".

800								TBM #742 - Bench tie 12 inches above grade in the West face of Utility Pole #Q90.5. Sta. 393+46.91 "A", 14.6' Rt. Elev. = 779.396	800		
795								TBM #743 - Bench tie 12 inches above grade in the South face of Utility Pole #Q-89L1. Sta. 399+26.94 "A", 15.1' Lt. Elev. = 788.754	795		
790									790		
785									785		
780									780		
775									775		
770									770		
	778.7	778.8	779.0	779.5	780.1	780.7	781.5	782.1	783.1	784.3	785.9
	392+00	393+00	394+00	395+00	396+00	397+00					

PRINT DATE: 5/27/22, PLOT SCALE: 1:1, EDIT DATE: 4/27/22 - 4:47 PM, EDITED BY: MMURRAY, DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROFILE-RD-R&P, LINE A-SR42-01.DWG



LEGEND

- Wetland Delineation
- Environmental Sensitive Area - Do Not Disturb
- Curb Ramp
- Approach Milling and HMA Overlay - See Typical Sections
- Structural Overlay (RURAL) - See Typical Sections
- Structural Overlay (URBAN) - See Typical Sections
- Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE _____

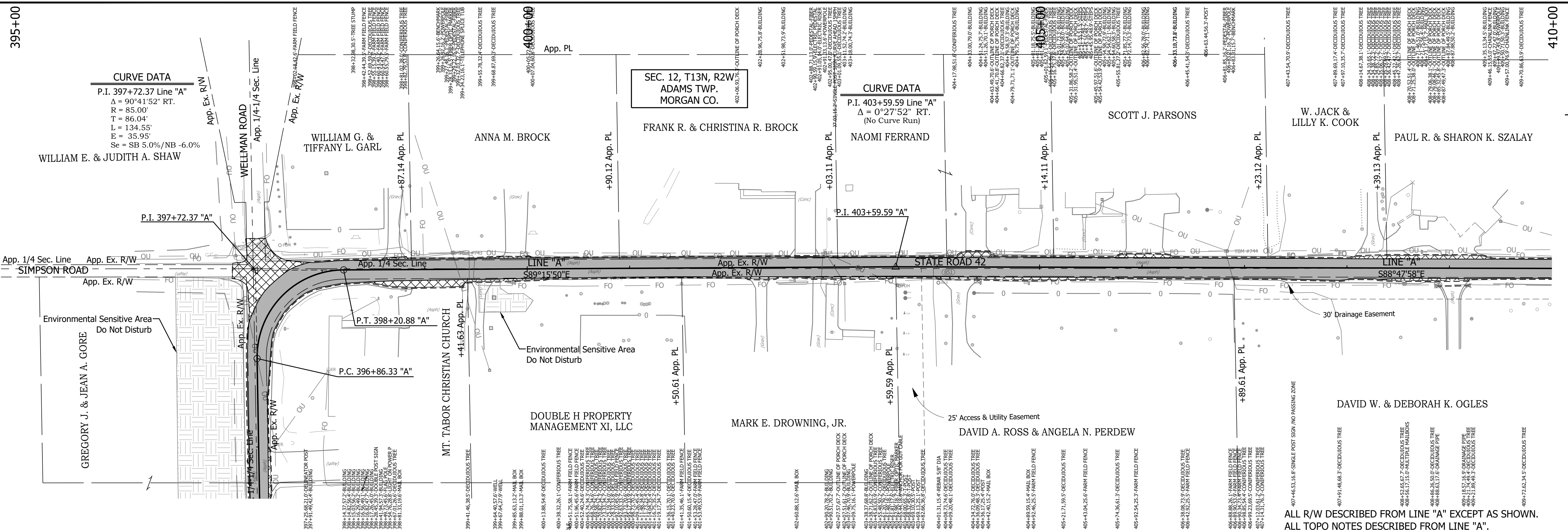
DESIGNED: MSS DRAWN: KRJ
CHECKED: LLC CHECKED: MSS

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 392+00.00 TO 395+00.00 LINE "A"

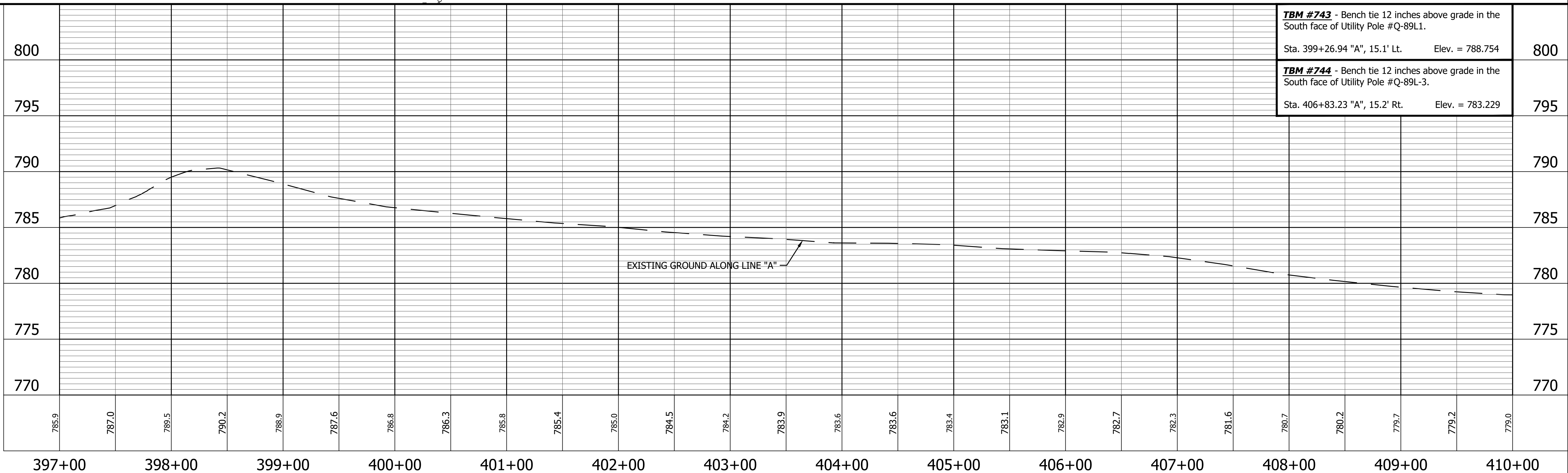
HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET 50 of 86
CONTRACT R-40583	PROJECT 1601075

PRINT DATE: 5/2/22 PLOT SCALE: 1:1 EDIT DATE: 4/27/22 - 4:49 PM EDITED BY: MMURRAY DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RFP LINE A-SR42-02.DWG

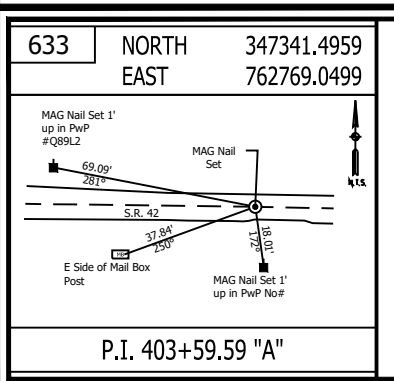


CURVE DATA
 P.I. 397+72.37 Line "A"
 $\Delta = 90^{\circ}41'52''$ RT.
 $R = 85.00'$
 $T = 85.04'$
 $L = 134.55'$
 $E = 35.95'$
 $Se = SB 5.0\%/NB -6.0\%$

CURVE DATA
 P.I. 403+59.59 Line "A"
 $\Delta = 0^{\circ}27'52''$ RT.
 (No Curve Run)



ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".



LEGEND

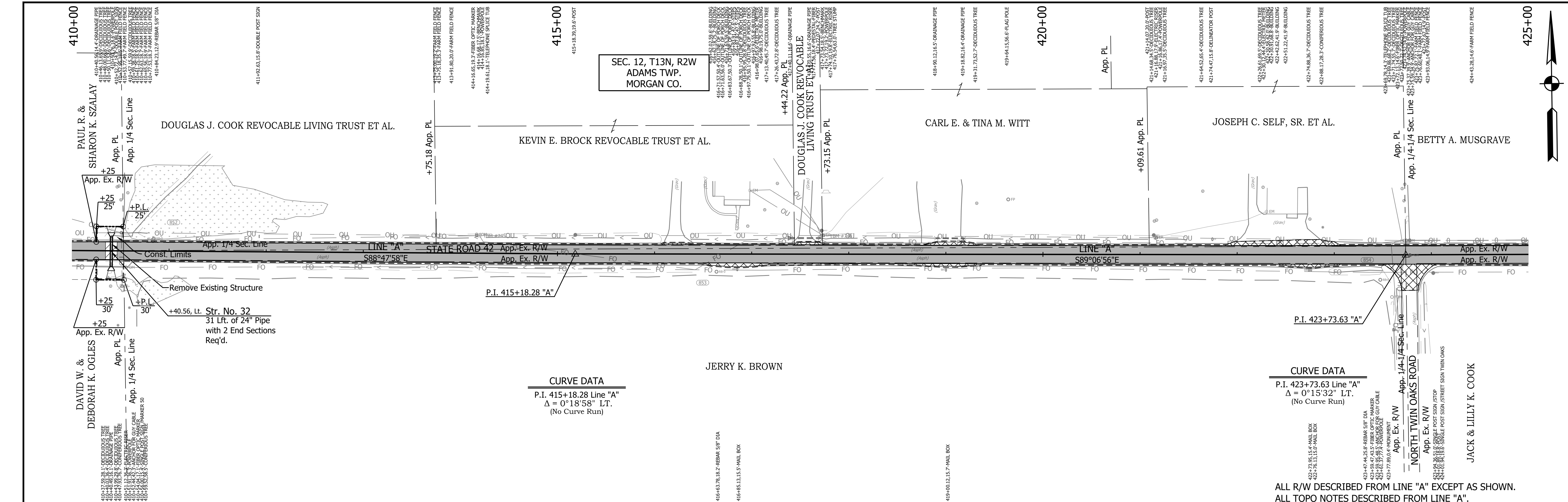
	Wetland Delineation		Approach Milling and HMA Overlay - See Typical Sections
	Environmental Sensitive Area - Do Not Disturb		Structural Overlay (RURAL) - See Typical Sections
	Curb Ramp		Structural Overlay (URBAN) - See Typical Sections
			Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: KRJ	
CHECKED: LLC	CHECKED: MSS	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 STA. 395+00.00 TO 410+00.00 LINE "A"

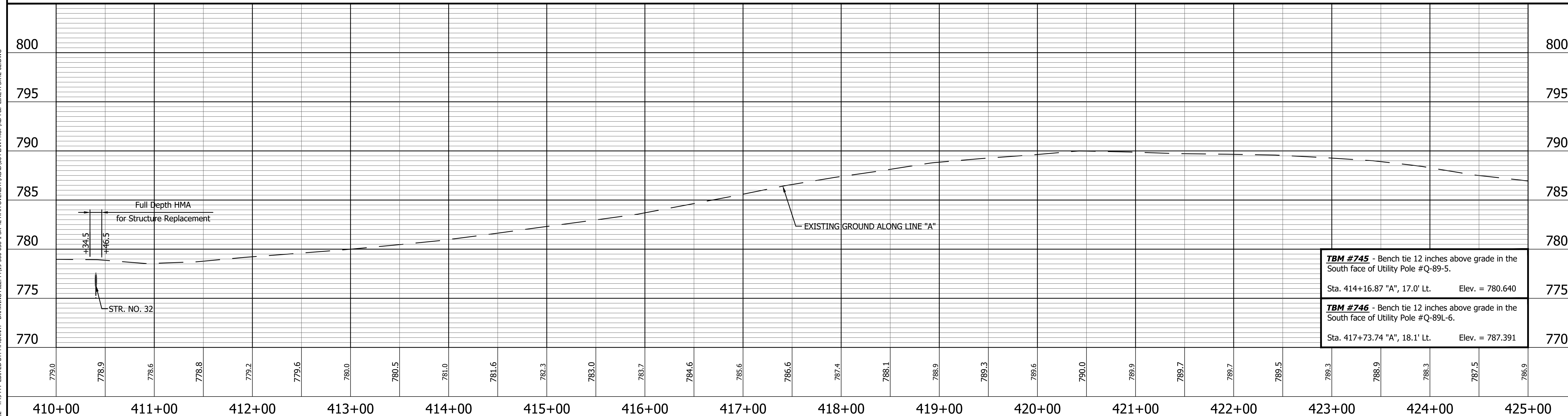
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1601075
SURVEY BOOK	SHEET
	51 of 86
CONTRACT	PROJECT
R-40583	1601075



CURVE DATA
P.I. 415+18.28 Line "A"
 $\Delta = 0^\circ 18' 58''$ LT.
(No Curve Run)

CURVE DATA
P.I. 423+73.63 Line "A"
 $\Delta = 0^\circ 15' 32''$ LT.
(No Curve Run)

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".

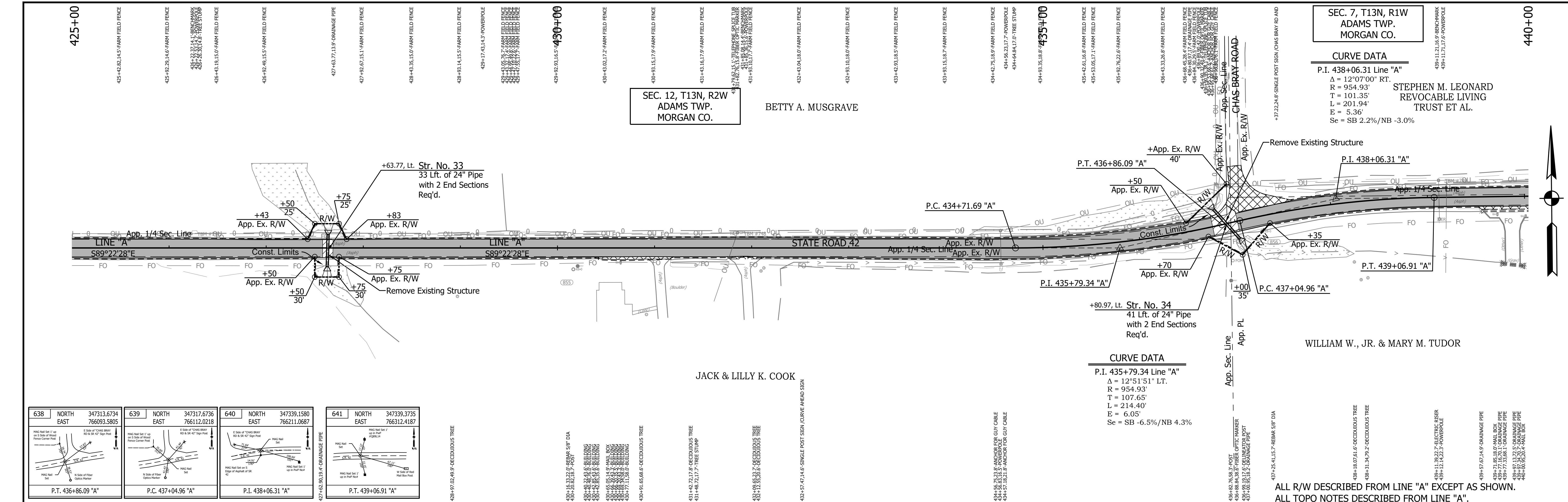


TBM #745 - Bench tie 12 inches above grade in the South face of Utility Pole #Q-89-5.
Sta. 414+16.87 "A", 17.0' Lt. Elev. = 780.640

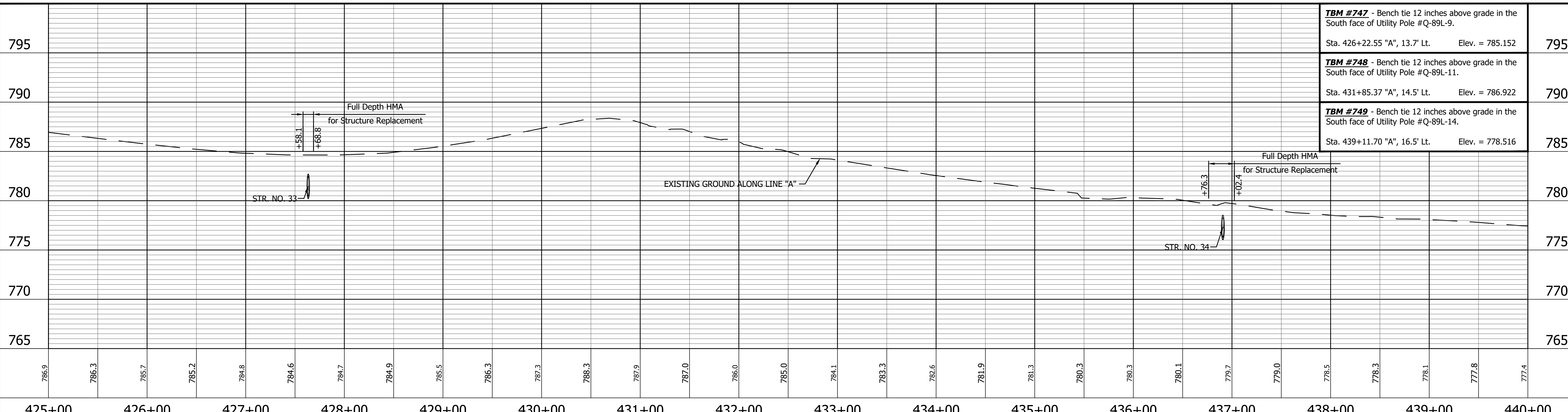
TBM #746 - Bench tie 12 inches above grade in the South face of Utility Pole #Q-89L-6.
Sta. 417+73.74 "A", 18.1' Lt. Elev. = 787.391

PRINT DATE: 5/2/22
PLOT SCALE: 1:1
DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RFP LINE A-SR42-02.DWG
EDIT DATE: 4/27/22 - 4:49 PM
EDITED BY: MMURRAY

<p>634 NORTH 347317.2203 EAST 763927.4856</p> <p>P.I. 415+18.28 "A"</p>	<p>635 NORTH 347304.0179 EAST 764782.7369</p> <p>P.I. 423+73.63 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL</p> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 410+00.00 TO 425+00.00 LINE "A"</p>	<table border="1"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>52 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		52 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																				
1" = 50'	N/A																				
VERTICAL SCALE	DESIGNATION																				
1" = 5'	1601075																				
SURVEY BOOK	SHEET																				
	52 of 86																				
CONTRACT	PROJECT																				
R-40583	1601075																				



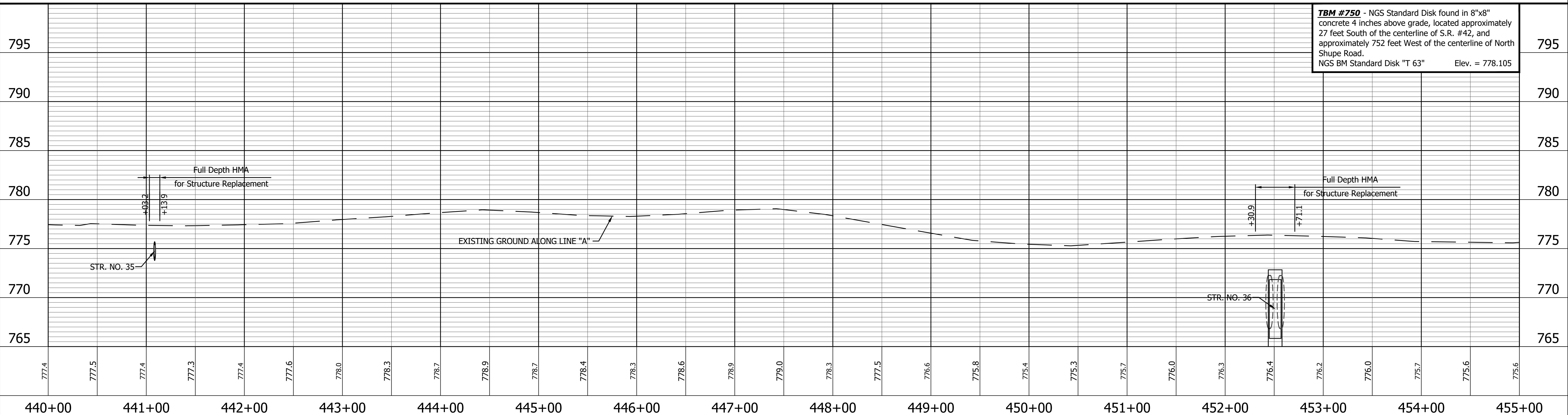
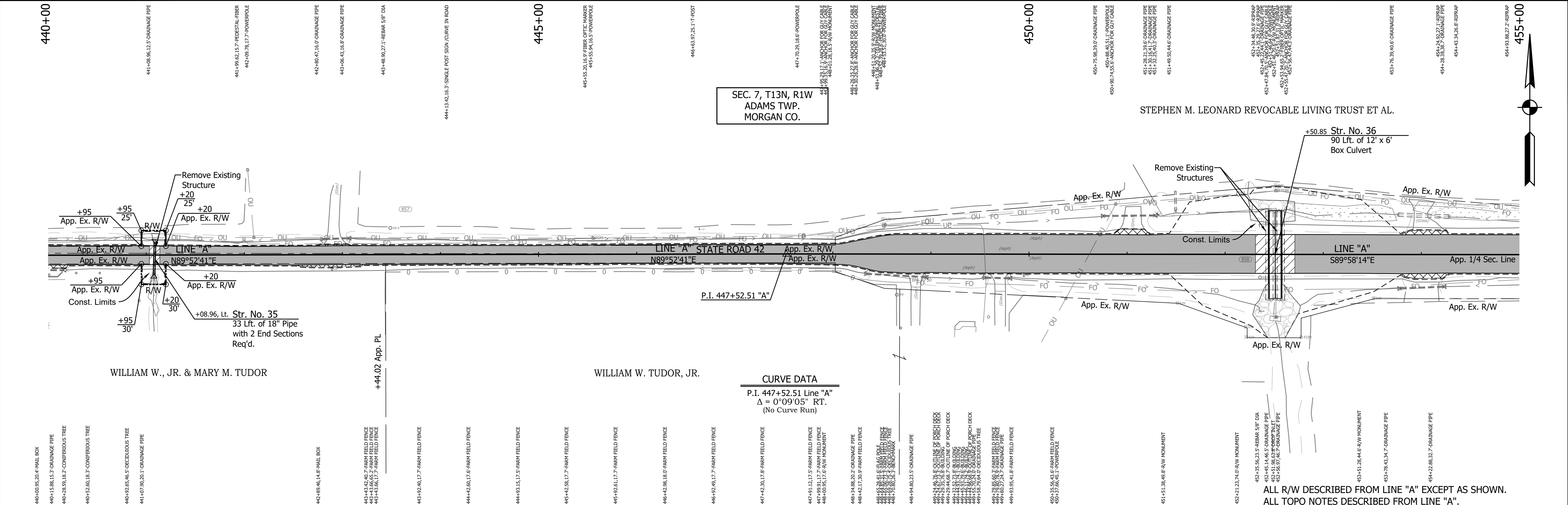
638	NORTH EAST	347313.6734 766093.5805	639	NORTH EAST	347317.6736 766112.0218	640	NORTH EAST	347339.1580 766211.0687	641	NORTH EAST	347339.3735 766312.4187
P.T. 436+86.09 "A"			P.C. 437+04.96 "A"			P.I. 438+06.31 "A"			P.T. 439+06.91 "A"		



636	NORTH EAST	347292.0283 765880.7262	637	NORTH EAST	347290.8529 765988.3734	LEGEND Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections	
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: MSS DRAWN: KRJ CHECKED: LLC CHECKED: MSS						INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 425+00.00 TO 440+00.00 LINE "A"	
HORIZONTAL SCALE 1" = 50' VERTICAL SCALE 1" = 5' SURVEY BOOK _____ SHEET _____ of _____ CONTRACT R-40583 PROJECT 1601075							

PRINT DATE: 5/27/22
 PLOT SCALE: 1:1
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 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RP- LINE A-SR42-02.DWG

PRINT DATE: 5/2/22
PLOT SCALE: 1:1
EDIT DATE: 4/27/22 - 4:49 PM
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DRAWN BY: MMURRAY
DESIGNED BY: MMURRAY



642 NORTH	347341.1716
EAST	767158.0175

333 NORTH	347340.7246
EAST	768028.3174

LEGEND

Wetland Delineation

Environmental Sensitive Area - Do Not Disturb

Curb Ramp

Approach Milling and HMA Overlay - See Typical Sections

Structural Overlay (RURAL) - See Typical Sections

Structural Overlay (URBAN) - See Typical Sections

Full Depth HMA for Structure Replacement - See Typical Sections

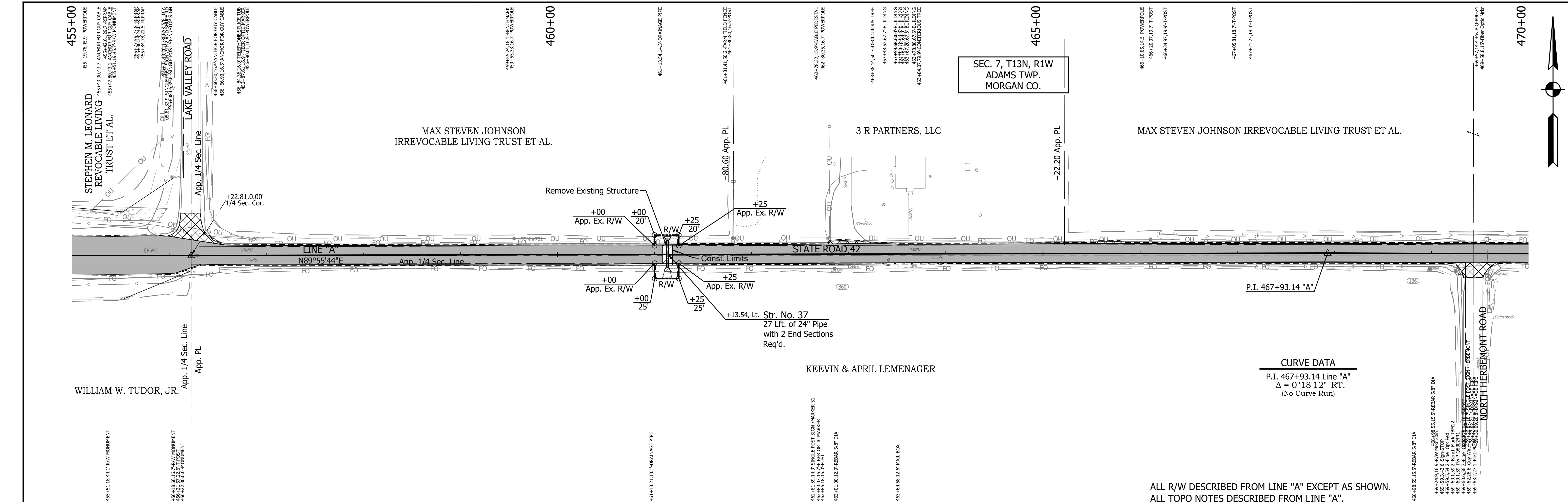
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: KRJ	
CHECKED: LLC	CHECKED: MSS	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

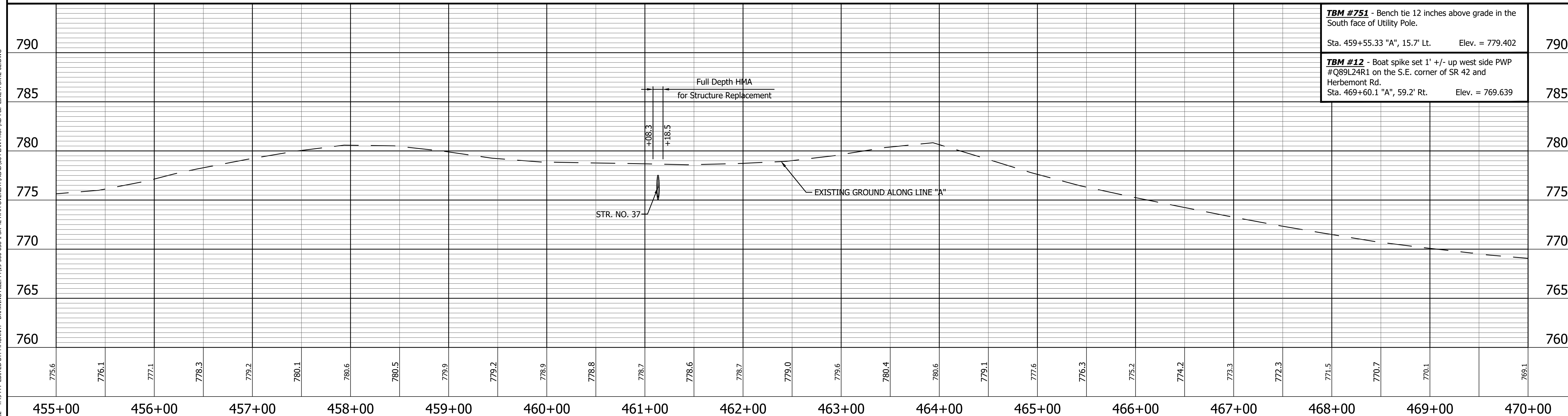
STA. 440+00.00 TO 455+00.00 LINE "A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET
	54 of 86
CONTRACT R-40583	PROJECT 1601075



ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".

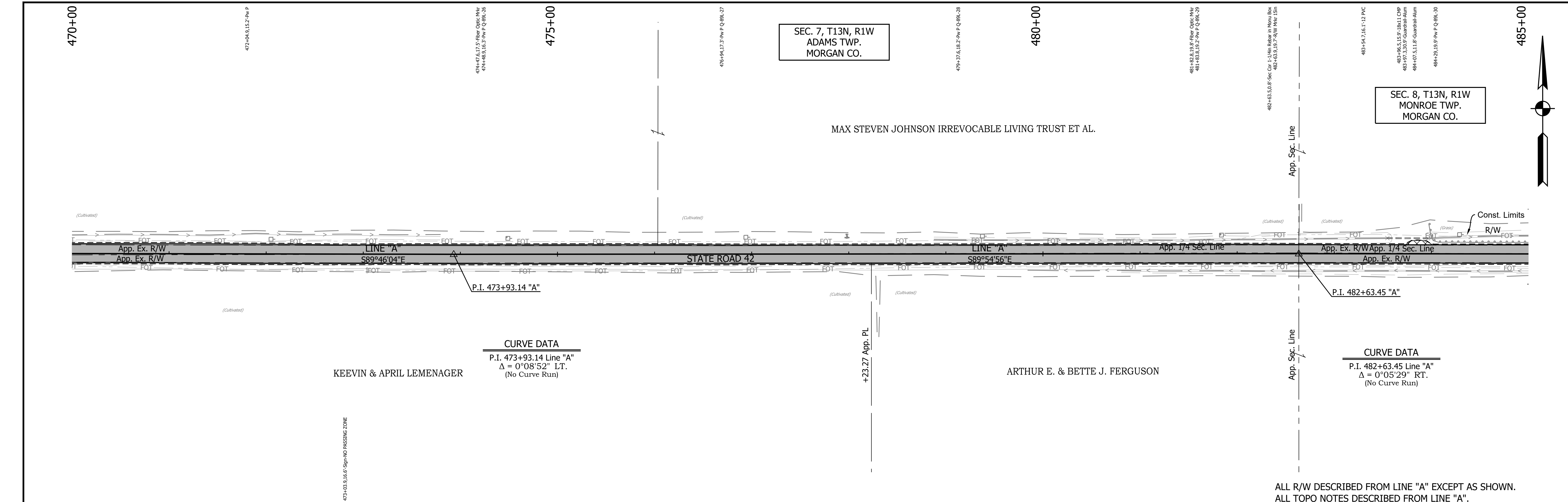
CURVE DATA
P.I. 467+93.14 Line "A"
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(No Curve Run)



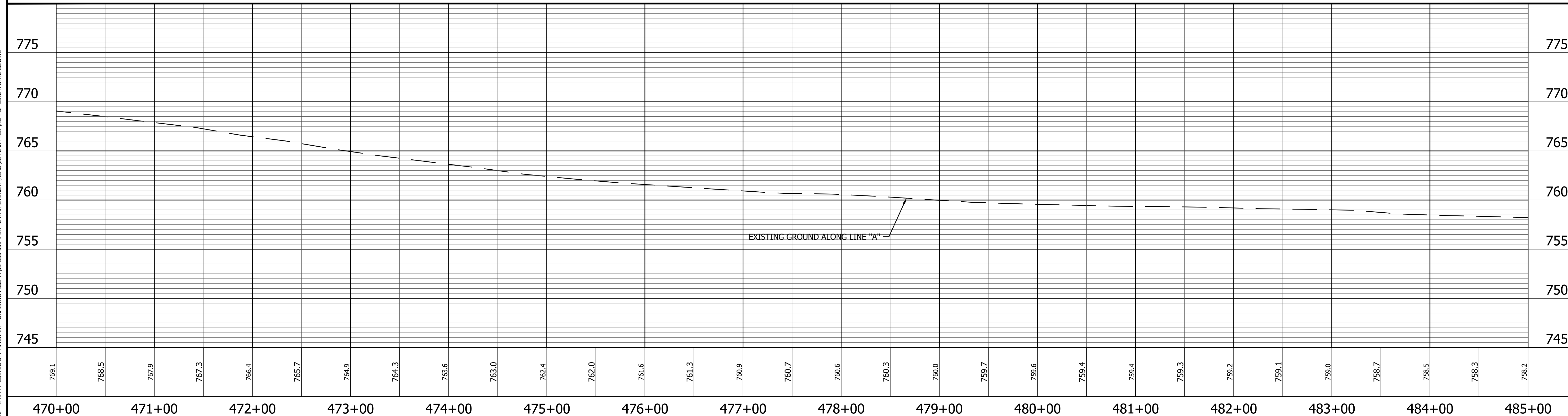
TBM #751 - Bench tie 12 inches above grade in the South face of Utility Pole. Sta. 459+55.33 "A", 15.7' Lt. Elev. = 779.402	790
TBM #12 - Boat spike set 1' +/- up west side PWP #Q89L24R1 on the S.E. corner of SR 42 and Herbemont Rd. Sta. 469+60.1 "A", 59.2' Rt. Elev. = 769.639	785

<p>644 NORTH 347342.1768 EAST 769198.6534</p> <p>645 NORTH 347339.7447 EAST 769798.6485</p> <p>P.I. 467+93.14 "A"</p> <p>P.I. 473+93.14 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p>DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE</p> <p>STA. 455+00.00 TO 470+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>55 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		55 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																			
1" = 50'	N/A																			
VERTICAL SCALE	DESIGNATION																			
1" = 5'	1601075																			
SURVEY BOOK	SHEET																			
	55 of 86																			
CONTRACT	PROJECT																			
R-40583	1601075																			

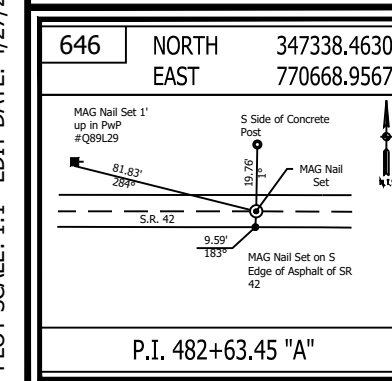
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ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".



PRINT DATE: 5/2/22
PLOT SCALE: 1:1
DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RFP LINE A-SR42-02.DWG



LEGEND

	Wetland Delineation		Approach Milling and HMA Overlay - See Typical Sections
	Environmental Sensitive Area - Do Not Disturb		Structural Overlay (RURAL) - See Typical Sections
	Curb Ramp		Structural Overlay (URBAN) - See Typical Sections
			Full Depth HMA for Structure Replacement - See Typical Sections

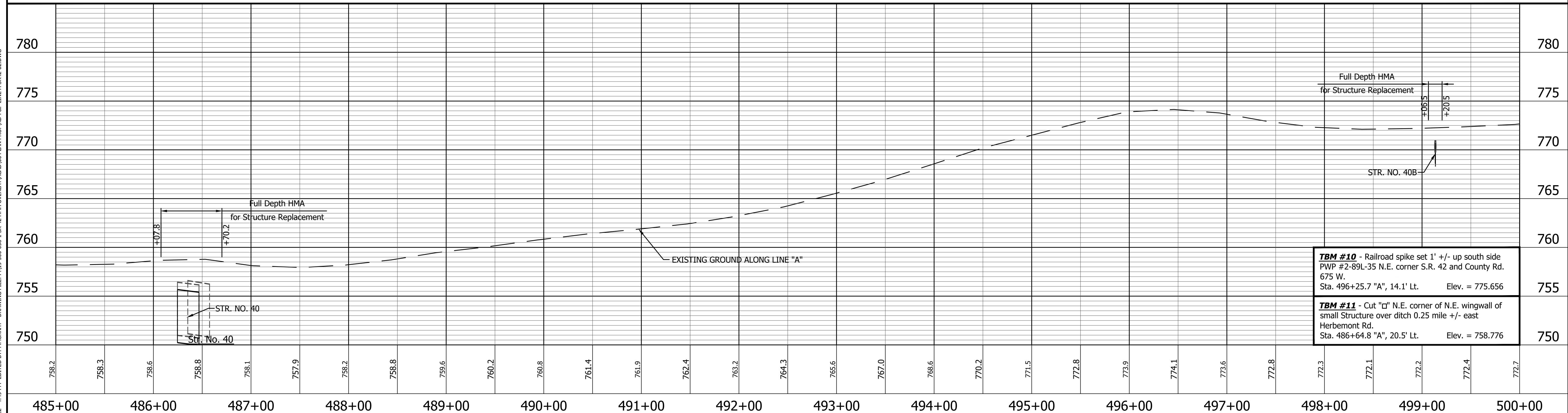
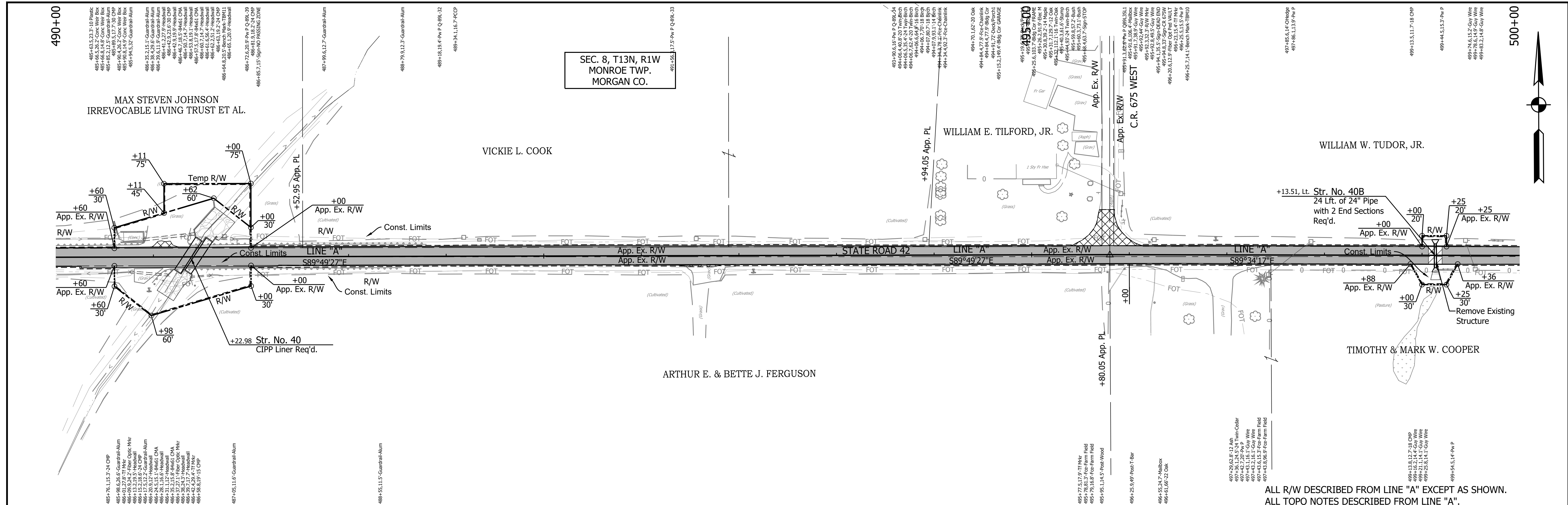
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: KRJ	
CHECKED: LLC	CHECKED: MSS	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 470+00.00 TO 485+00.00 LINE "A"

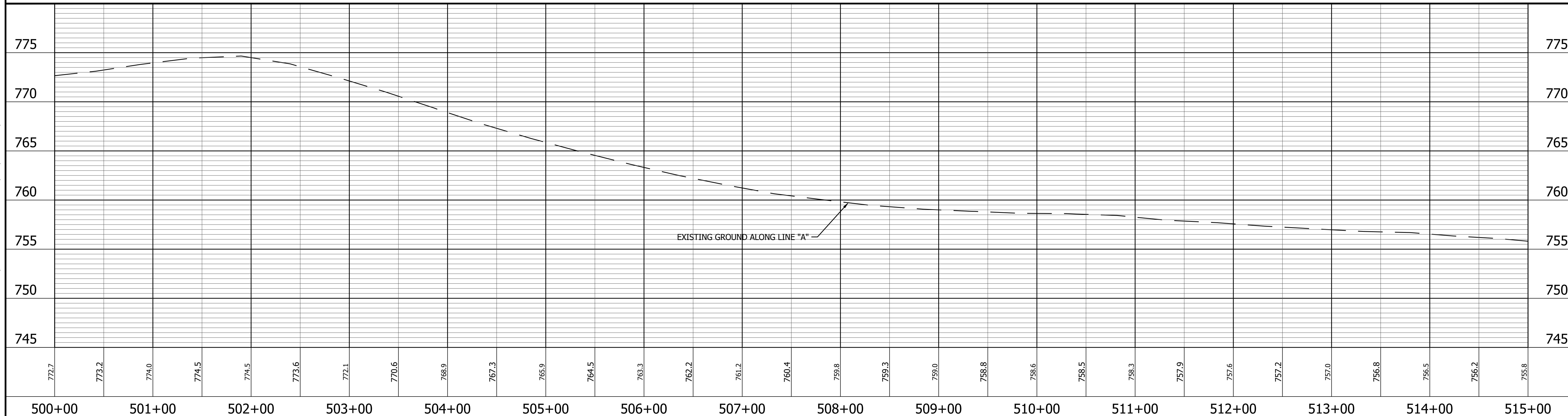
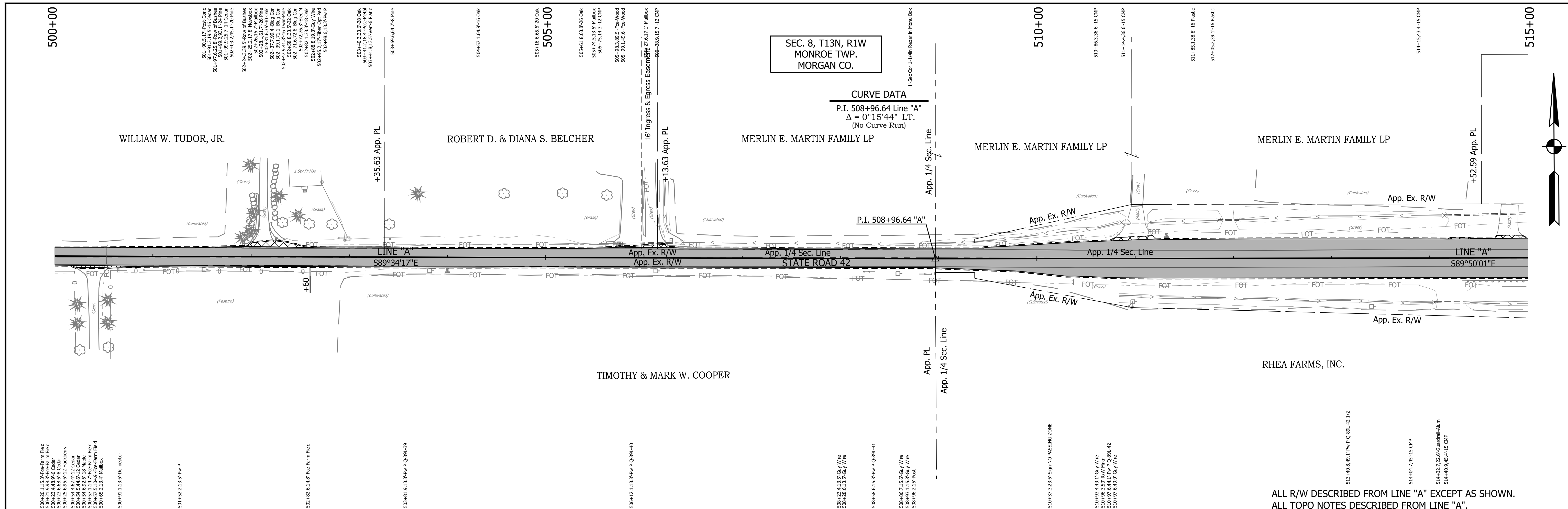
HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET
	56 of 86
CONTRACT R-40583	PROJECT 1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:49 PM
 EDITOR: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-02.DWG

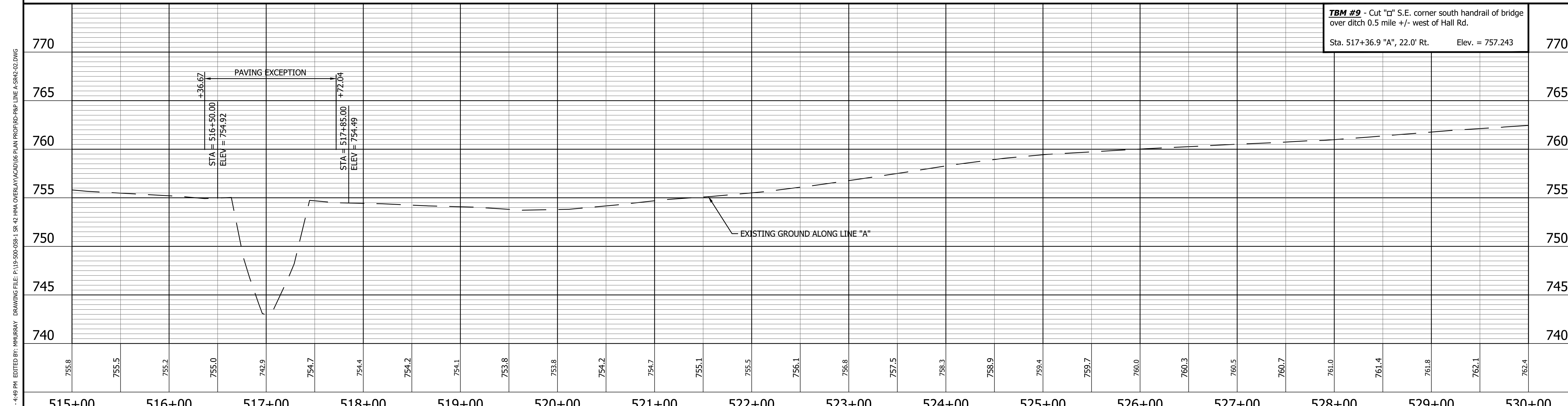
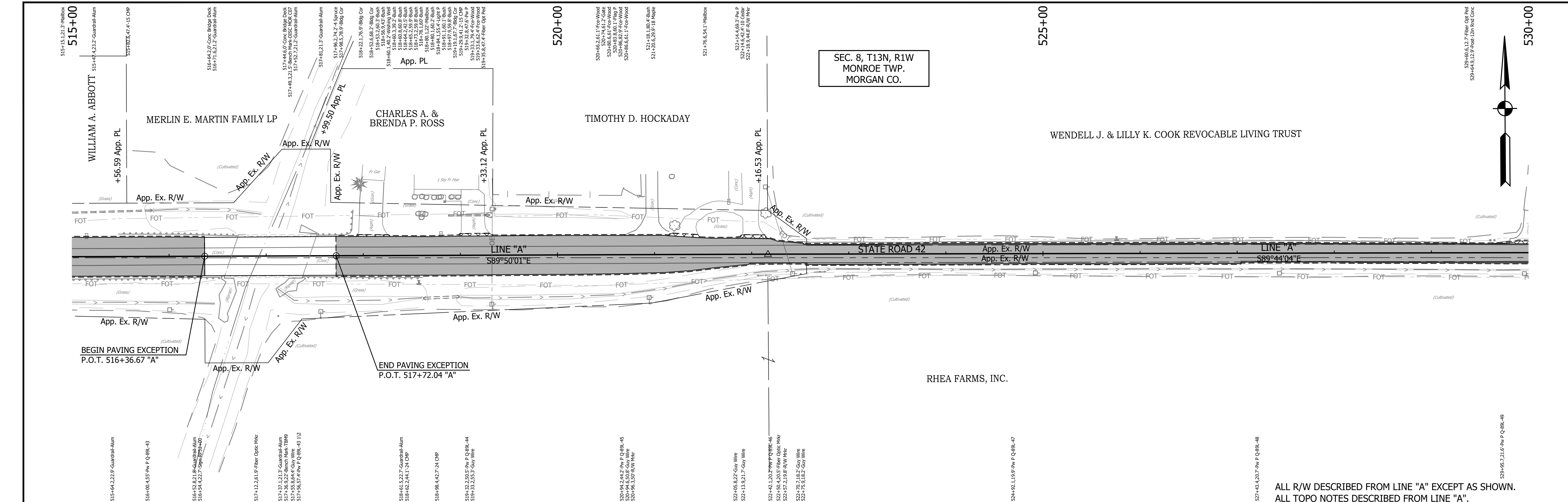


<p>647 NORTH 347334.4232 EAST 771985.5382</p> <p>P.I. 495+80.04 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 485+00.00 TO 500+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>57 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		57 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																			
1" = 50'	N/A																			
VERTICAL SCALE	DESIGNATION																			
1" = 5'	1601075																			
SURVEY BOOK	SHEET																			
	57 of 86																			
CONTRACT	PROJECT																			
R-40583	1601075																			

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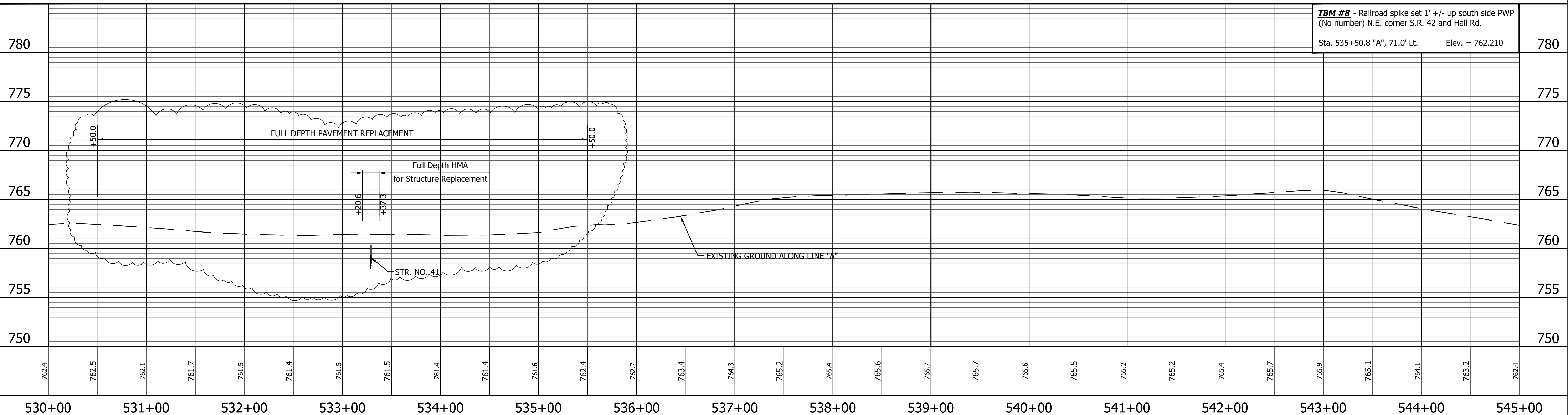
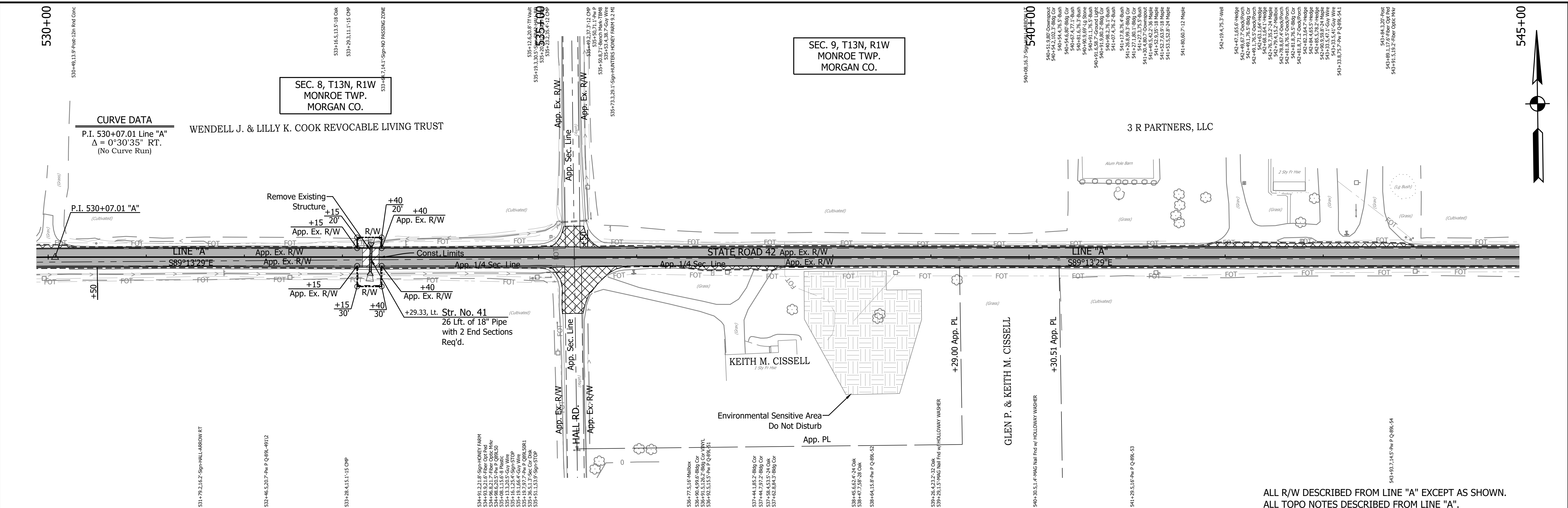
<p>648 NORTH 347324.5749 EAST 773302.1015</p> <p>Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp</p>	<p>LEGEND</p> <p>Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections</p>	<p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE</p> <p>DESIGNED: MSS DRAWN: KRJ CHECKED: LLC CHECKED: MSS</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 500+00.00 TO 515+00.00 LINE "A"</p>	<p>HORIZONTAL SCALE 1" = 50'</p> <p>VERTICAL SCALE 1" = 5'</p> <p>SURVEY BOOK R-40583</p> <p>BRIDGE FILE N/A</p> <p>DESIGNATION 1601075</p> <p>SHEET 58 of 86</p> <p>PROJECT 1601075</p>
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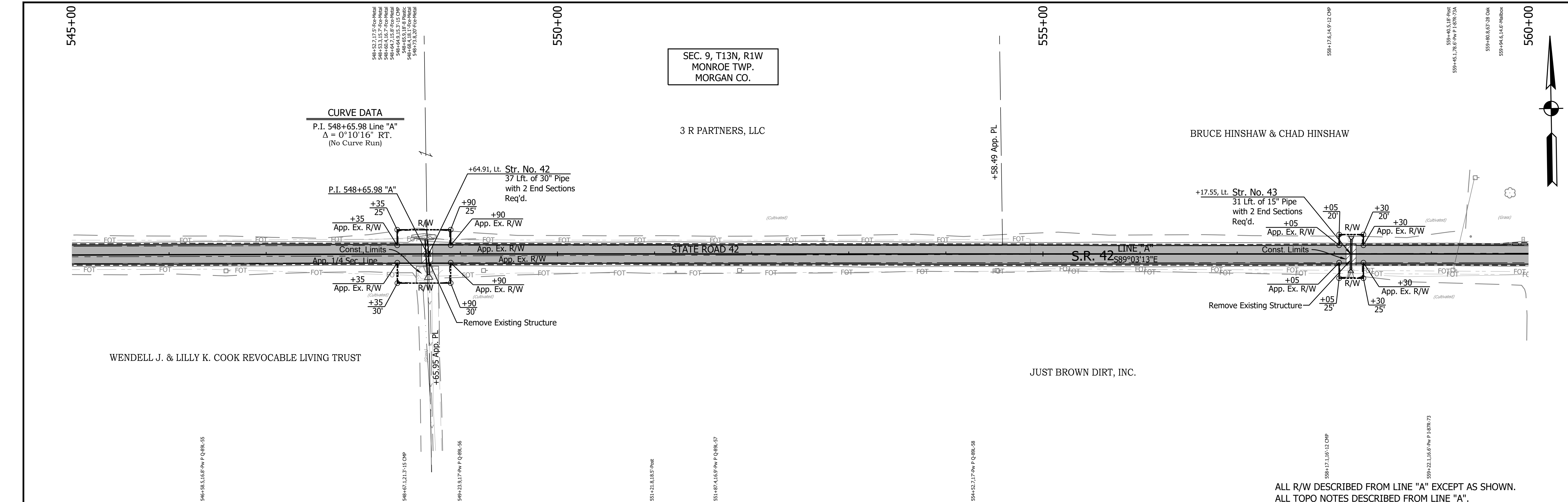
<p>649 NORTH 347320.7394 EAST 774622.1960</p> <p>650 NORTH 347317.0781 EAST 775412.4538</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p style="text-align: center;">DESIGN ENGINEER DATE</p> <hr/> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE</p> <p>STA. 515+00.00 TO 530+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>59 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		59 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																			
1" = 50'	N/A																			
VERTICAL SCALE	DESIGNATION																			
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SURVEY BOOK	SHEET																			
	59 of 86																			
CONTRACT	PROJECT																			
R-40583	1601075																			

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PRINT DATE: 5/22/22 PLOT SCALE: 1:1 EDIT DATE: 4/27/22 - 4:49 PM EDITED BY: MMURRAY DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-02.DWG



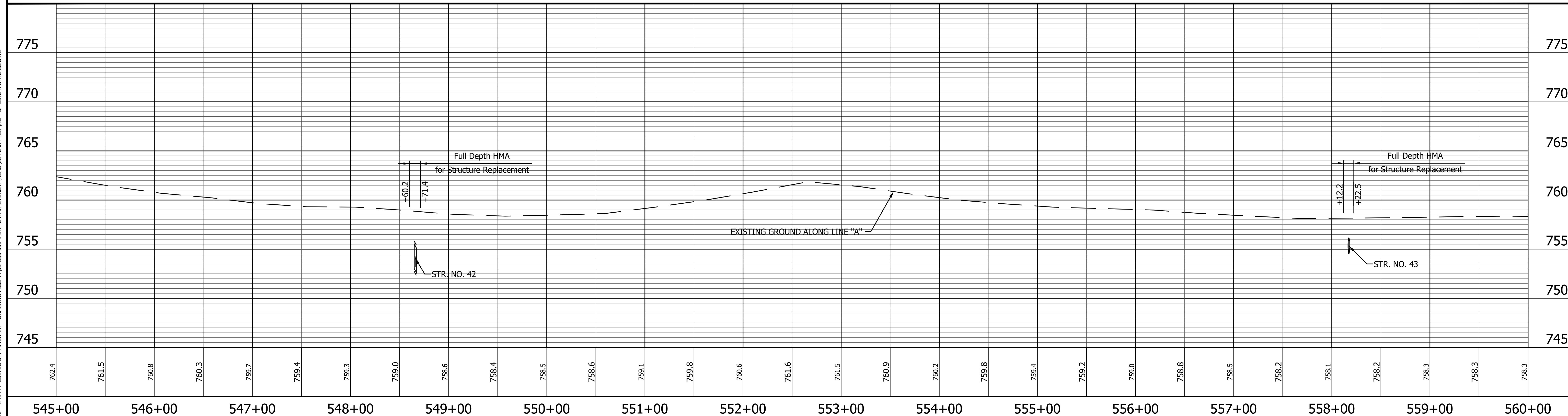
<p>651 NORTH 347304.3183 EAST 776335.3602</p> <p>P.O.T. 539+50.00 "A"</p>	<p>652 NORTH 347291.9240 EAST 777271.2598</p> <p>P.I. 548+65.98 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p style="text-align: center;">INDIANA DEPARTMENT OF TRANSPORTATION</p> <p style="text-align: center;">PLAN AND PROFILE</p> <p style="text-align: center;">STA. 530+00.00 TO 545+00.00 LINE "A"</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>60 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		60 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																				
1" = 50'	N/A																				
VERTICAL SCALE	DESIGNATION																				
1" = 5'	1601075																				
SURVEY BOOK	SHEET																				
	60 of 86																				
CONTRACT	PROJECT																				
R-40583	1601075																				



SEC. 9, T13N, R1W
MONROE TWP.
MORGAN CO.

CURVE DATA
P.I. 548+65.98 Line "A"
 $\Delta = 0^\circ 10' 16''$ RT.
(No Curve Run)

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".



653	NORTH EAST	347278.9743 778055.1694
654	NORTH EAST	347266.6609 778800.5576

LEGEND

- Wetland Delineation
- Environmental Sensitive Area - Do Not Disturb
- Curb Ramp
- Approach Milling and HMA Overlay - See Typical Sections
- Structural Overlay (RURAL) - See Typical Sections
- Structural Overlay (URBAN) - See Typical Sections
- Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL _____

DESIGNED: MSS DRAWN: KRU

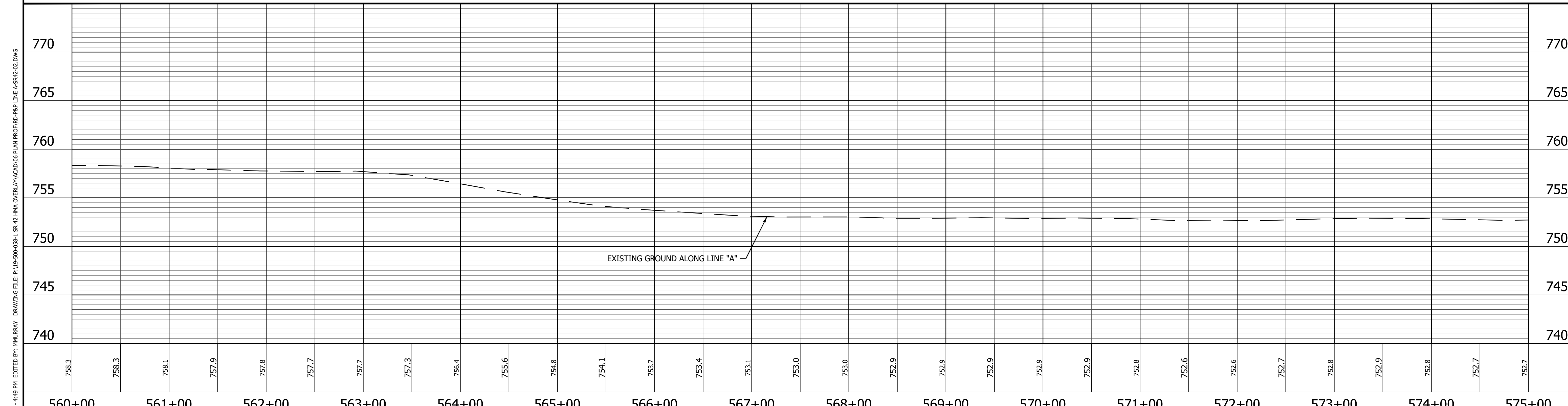
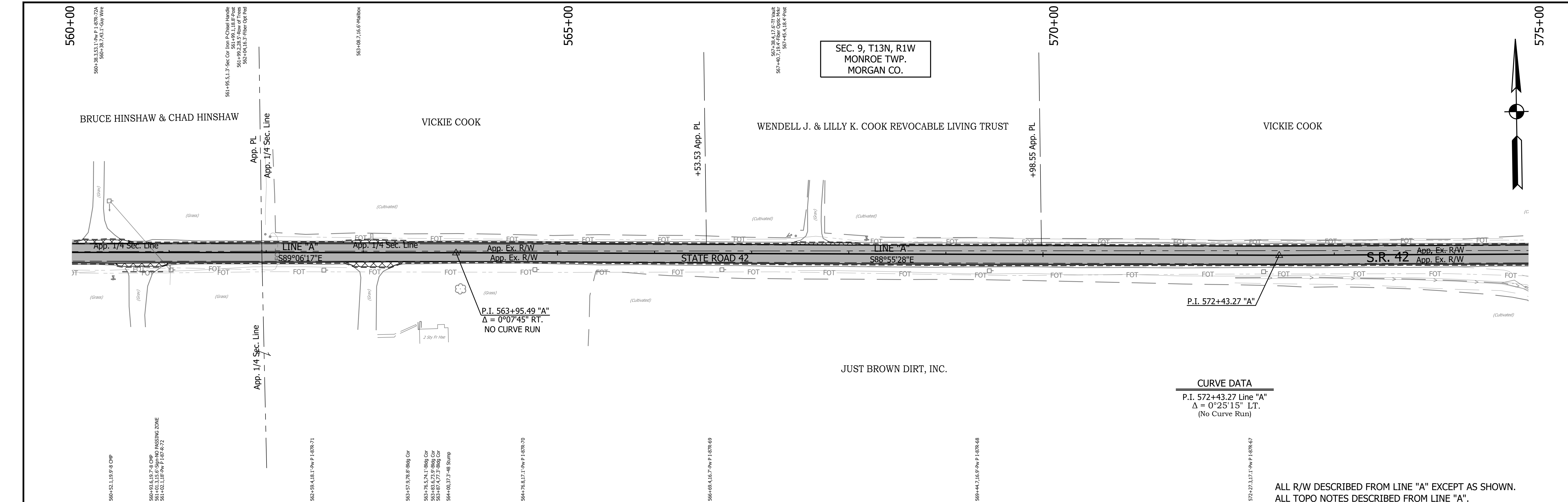
CHECKED: LLC CHECKED: MSS

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 545+00.00 TO 560+00.00 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1601075
SURVEY BOOK	SHEET
	61 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22 PLOT SCALE: 1:1 EDIT DATE: 4/27/22 - 4:49 PM EDITED BY: MMURRAY DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-02.DWG

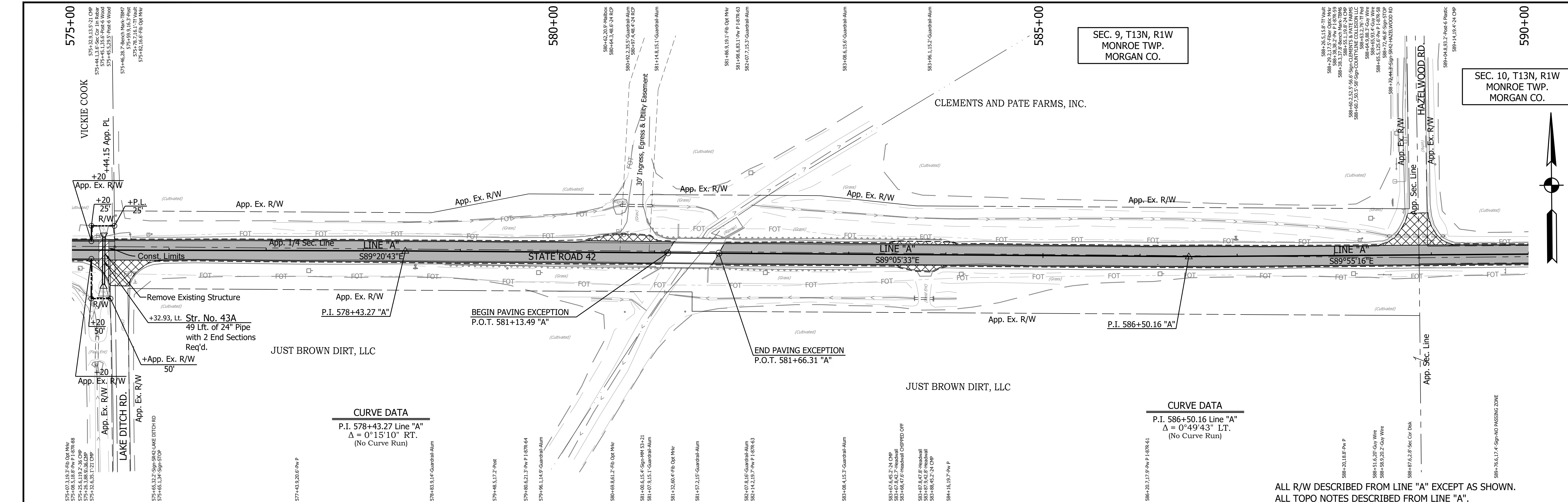


CURVE DATA
 P.I. 572+43.27 Line "A"
 $\Delta = 0^\circ 25' 15''$ LT.
 (No Curve Run)

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".

<p>655 NORTH 347250.7477 EAST 779648.1913</p> <p>P.I. 572+43.27 "A"</p>	<p>656 NORTH 347243.8908 EAST 780248.1521</p> <p>P.I. 578+43.27 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p style="text-align: center;">DESIGN ENGINEER DATE</p> <hr/> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 560+00.00 TO 575+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>62 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		62 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																				
1" = 50'	N/A																				
VERTICAL SCALE	DESIGNATION																				
1" = 5'	1601075																				
SURVEY BOOK	SHEET																				
	62 of 86																				
CONTRACT	PROJECT																				
R-40583	1601075																				

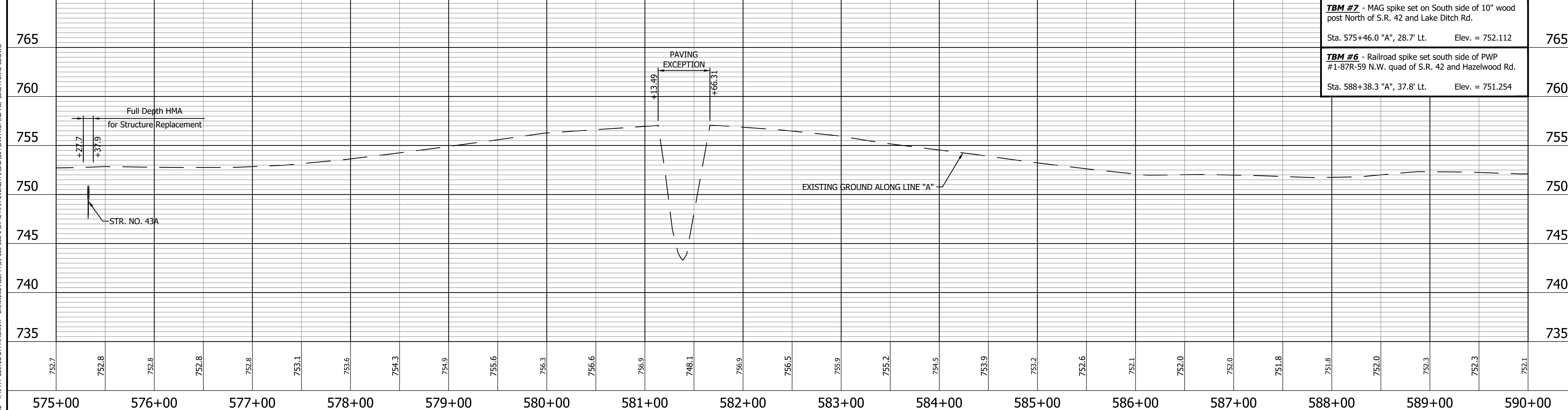
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CURVE DATA
 P.I. 578+43.27 Line "A"
 $\Delta = 0^\circ15'10"$ RT.
 (No Curve Run)

CURVE DATA
 P.I. 586+50.16 Line "A"
 $\Delta = 0^\circ49'43"$ LT.
 (No Curve Run)

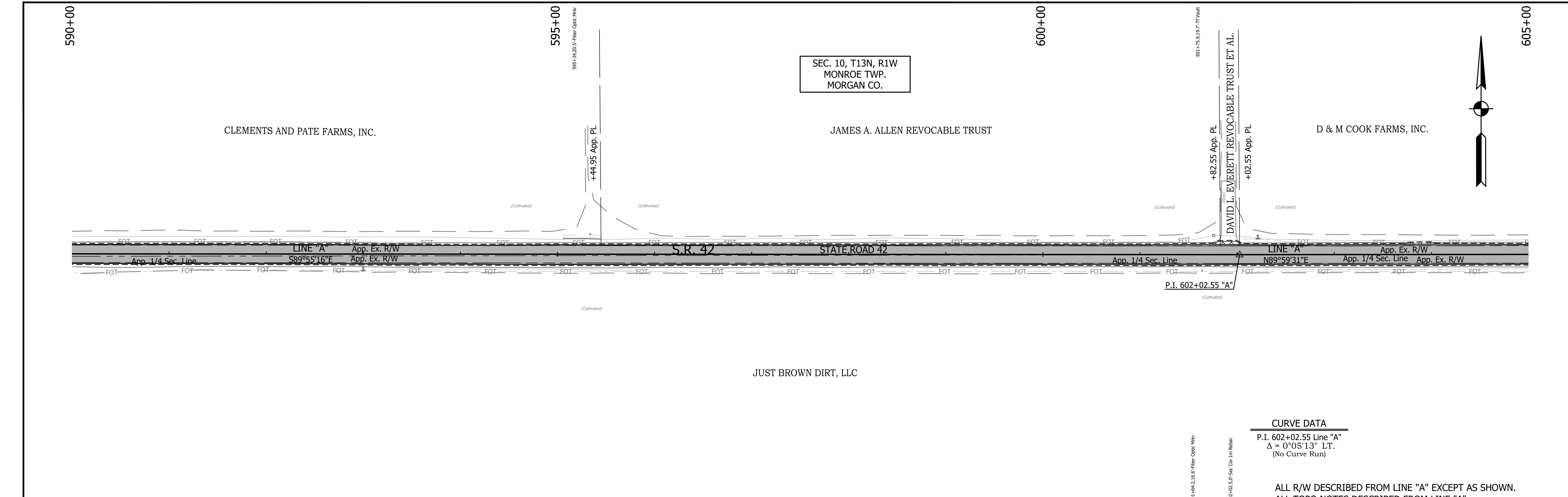
ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".



TBM #7 - MAG spike set on South side of 10" wood post North of S.R. 42 and Lake Ditch Rd. Sta. 575+46.0 "A", 28.7' Lt. Elev. = 752.112	765
TBM #6 - Railroad spike set south side of PWP #1-87R-59 N.W. quad of S.R. 42 and Hazelwood Rd. Sta. 588+38.3 "A", 37.8' Lt. Elev. = 751.254	760

657 NORTH 347231.1094 EAST 781054.9368 P.I. 586+50.16 "A"	LEGEND Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: <u>MS</u> DRAWN: <u>KRU</u> CHECKED: <u>RDS</u> CHECKED: <u>MS</u>	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 575+00.00 TO 590+00.00 LINE "A"	HORIZONTAL SCALE 1" = 50' BRIDGE FILE N/A VERTICAL SCALE 1" = 5' DESIGNATION 1601075 SURVEY BOOK _____ SHEET _____ 63 of 86 CONTRACT R-40583 PROJECT 1601075
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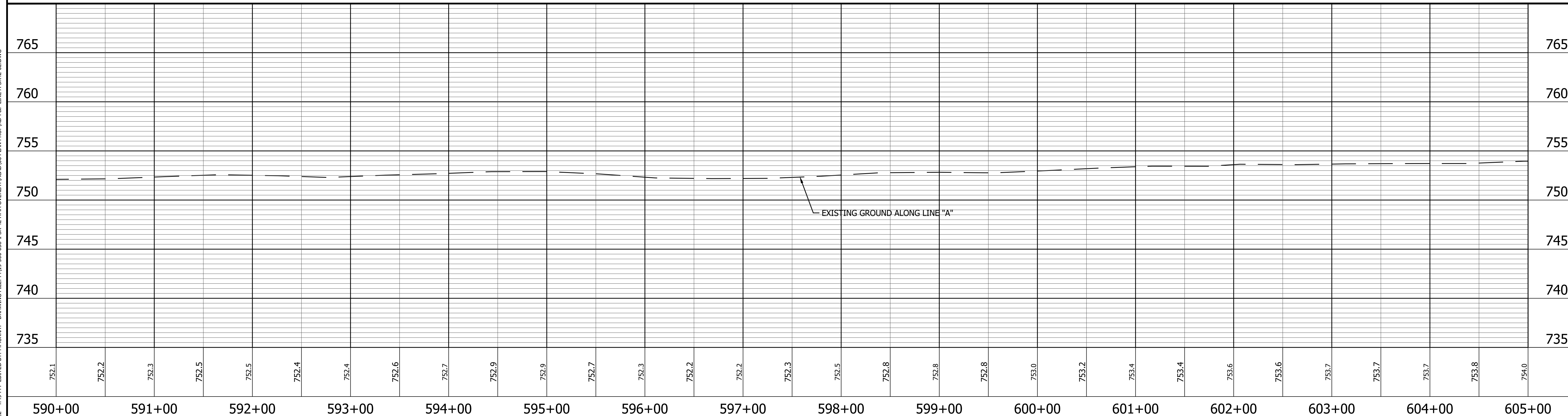


JUST BROWN DIRT, LLC

CURVE DATA

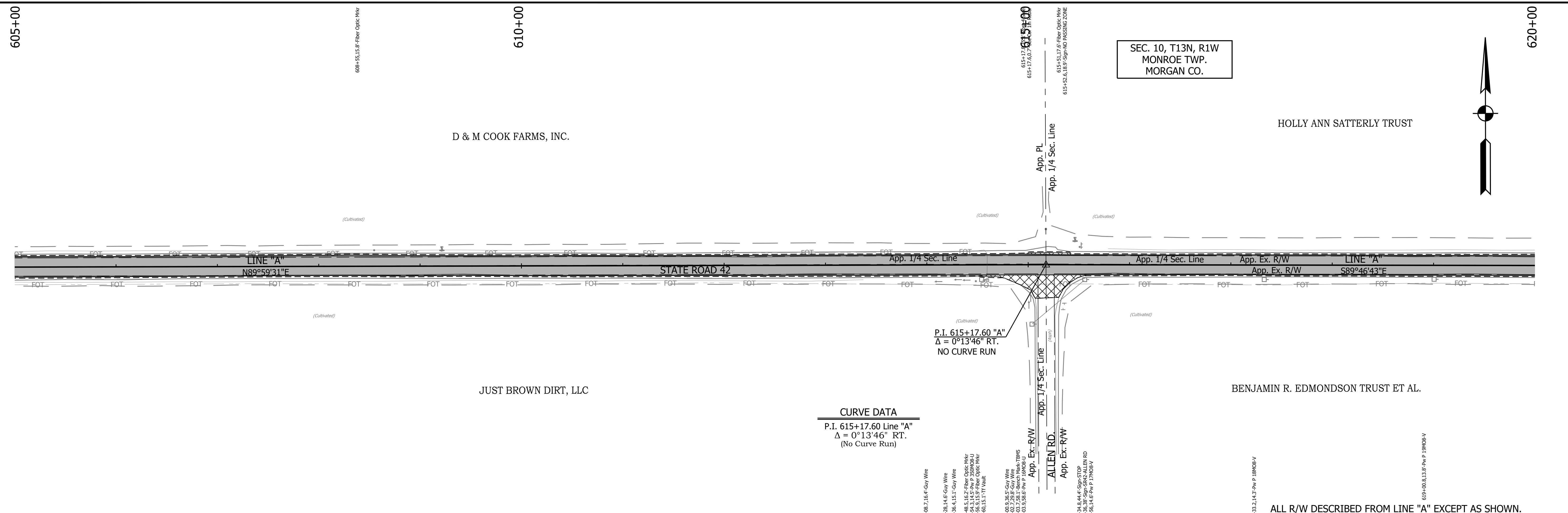
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 (No Curve Run)

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 ALL TOPO NOTES DESCRIBED FROM LINE "A".

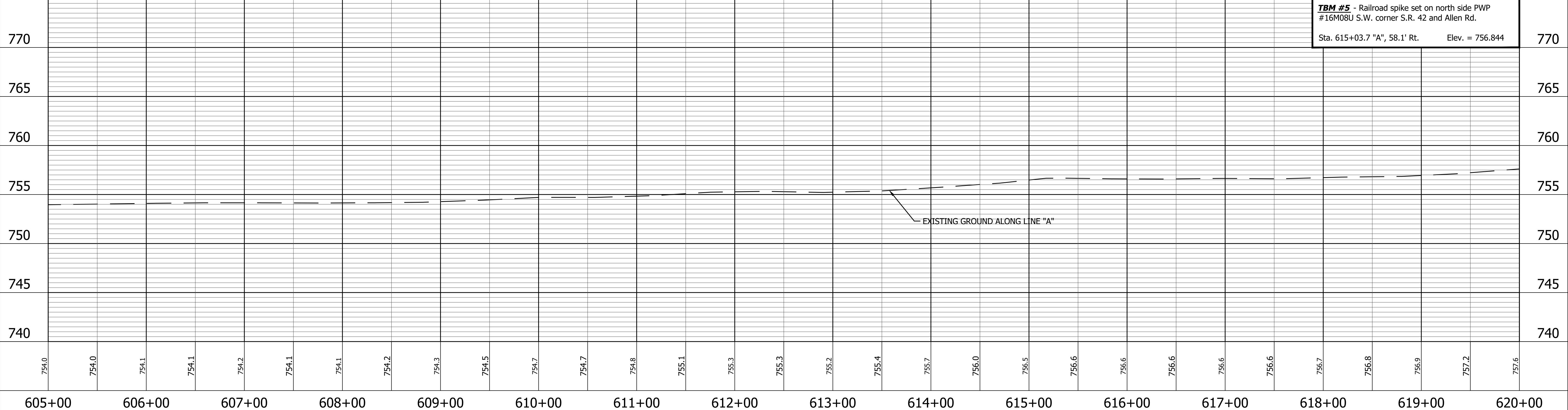


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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> 658 NORTH EAST 347230.0411 781829.7772 1" = 50' P.O.T. 594+25.00 "A" </td> <td style="width: 50%;"> 314 NORTH EAST 347228.9691 782607.3308 1" = 50' P.I. 602+02.55 "A" </td> </tr> </table>	658 NORTH EAST 347230.0411 781829.7772 1" = 50' P.O.T. 594+25.00 "A"	314 NORTH EAST 347228.9691 782607.3308 1" = 50' P.I. 602+02.55 "A"	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL</p> <p style="text-align: center;">DESIGN ENGINEER DATE</p> <hr/> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 590+00.00 TO 605+00.00 LINE "A"</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>64 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		64 of 86	CONTRACT	PROJECT	R-40583	1601075
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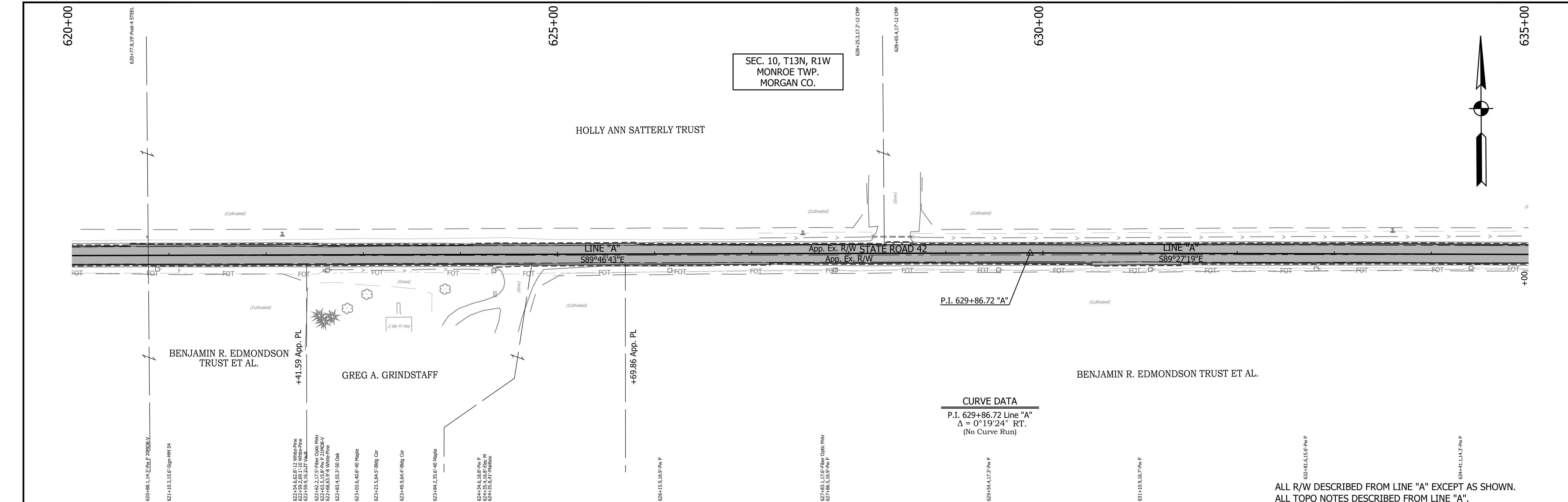


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 ALL TOPO NOTES DESCRIBED FROM LINE "A".

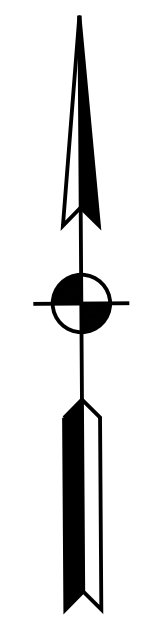


<p>660 NORTH 347229.1523 EAST 783922.3783</p> <p>P.I. 615+17.60 "A"</p>	<p>661 NORTH 347226.3216 EAST 784654.7710</p> <p>P.O.T. 622+50.00 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p>DESIGNED: MSS _____ DRAWN: KRJ _____</p> <p>CHECKED: LLC _____ CHECKED: MSS _____</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE</p> <p>STA. 605+00.00 TO 620+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>65 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		65 of 86	CONTRACT	PROJECT	R-40583	1601075
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1" = 50'	N/A																				
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 EDITOR: MMURRAY
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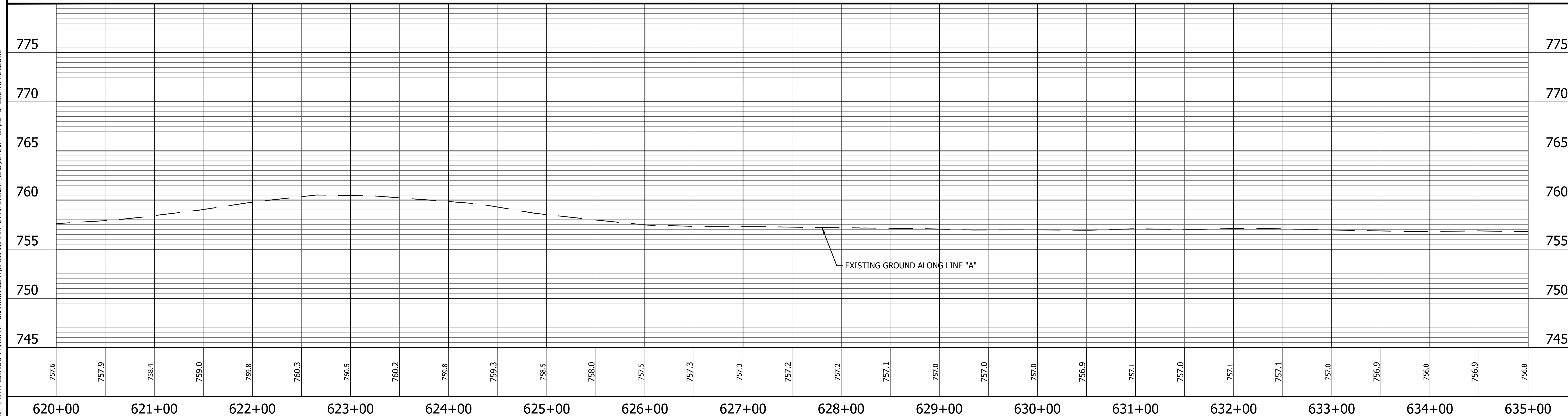


SEC. 10, T13N, R1W
MONROE TWP.
MORGAN CO.



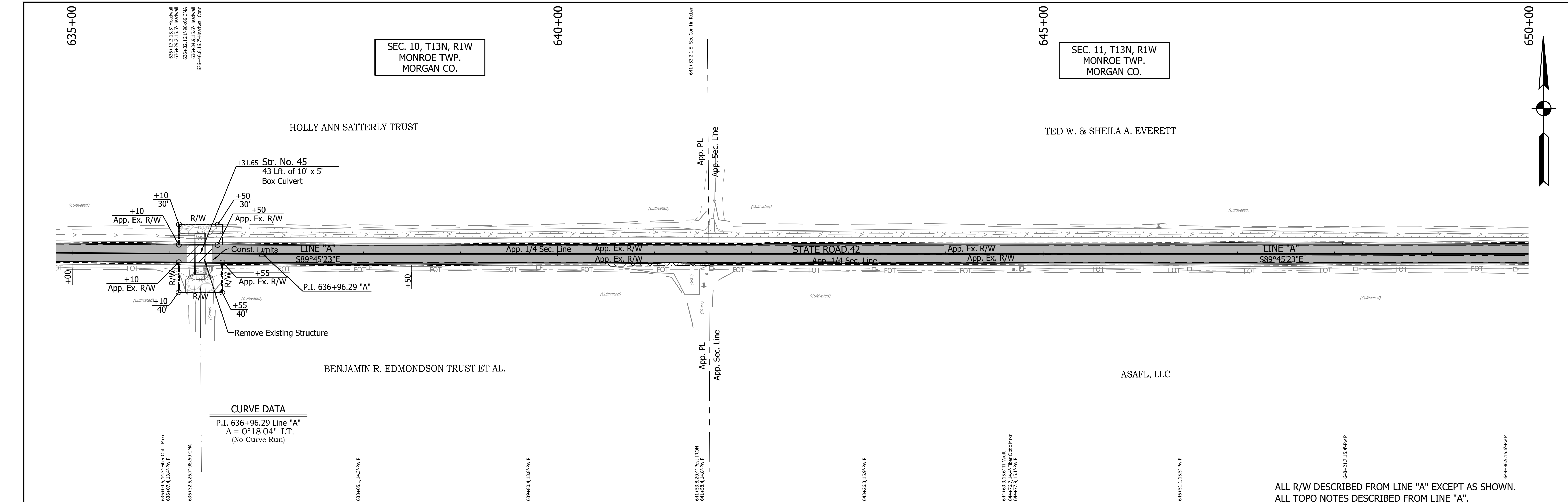
CURVE DATA
P.I. 629+86.72 Line "A"
Δ = 0°19'24" RT.
(No Curve Run)

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".



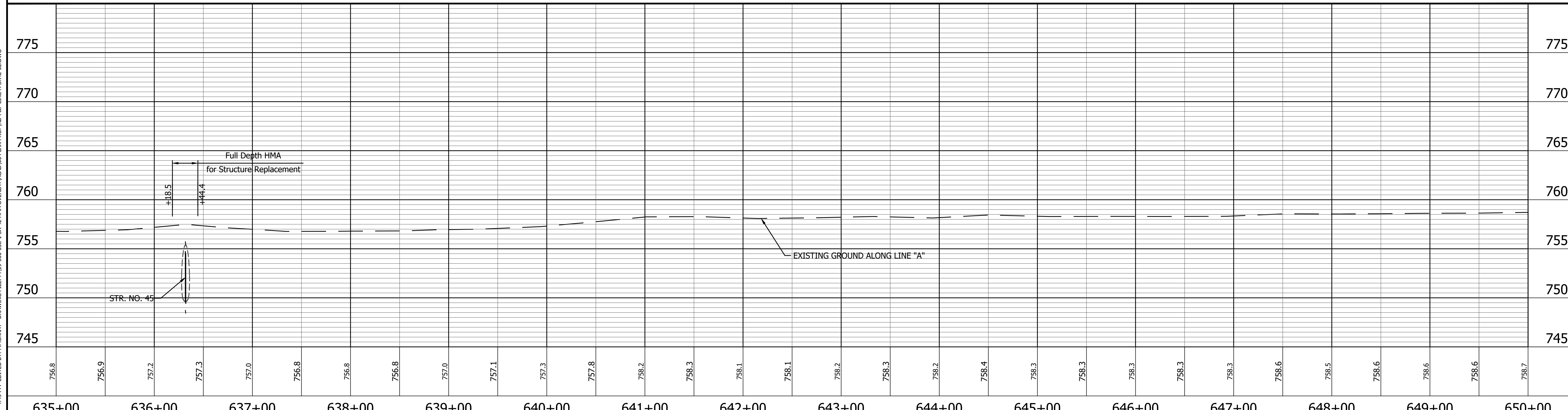
<p>662 NORTH 347223.4741 EAST 785391.4900</p> <p>P.I. 629+86.72 "A"</p>	<p>663 NORTH 347216.7276 EAST 786101.0273</p> <p>P.I. 636+96.29 "A"</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL _____</p> <p style="text-align: center;">DESIGN ENGINEER DATE</p> <hr/> <p>DESIGNED: <u>MSS</u> DRAWN: <u>KRU</u></p> <hr/> <p>CHECKED: <u>LLC</u> CHECKED: <u>MSS</u></p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 620+00.00 TO 635+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>66 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		66 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																				
1" = 50'	N/A																				
VERTICAL SCALE	DESIGNATION																				
1" = 5'	1601075																				
SURVEY BOOK	SHEET																				
	66 of 86																				
CONTRACT	PROJECT																				
R-40583	1601075																				

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:49 PM
 EDITED BY: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR-42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-02.DWG



CURVE DATA
 P.I. 636+96.29 Line "A"
 $\Delta = 0^\circ 18' 04''$ LT.
 (No Curve Run)

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".



664 NORTH 347212.8852
 EAST 787004.7252

P.O.T. 646+00.00 "A"

LEGEND

- Wetland Delineation
- Environmental Sensitive Area - Do Not Disturb
- Curb Ramp
- Approach Milling and HMA Overlay - See Typical Sections
- Structural Overlay (RURAL) - See Typical Sections
- Structural Overlay (URBAN) - See Typical Sections
- Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER _____ DATE _____

DESIGNED: MSS DRAWN: KRU
 CHECKED: LLC CHECKED: MSS

INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 STA. 635+00.00 TO 650+00.00 LINE "A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET
	67 of 86
CONTRACT R-40583	PROJECT 1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:49 PM
 EDITED BY: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-P&P LINE A-SR42-02.DWG

650+00

655+00

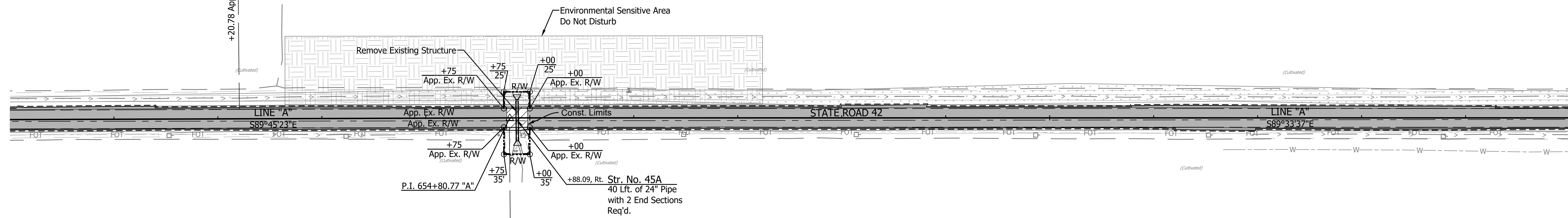
660+00

665+00

TED W. & SHEILA A. EVERETT

CAROLYN JEAN EVERETT TRUST ET AL.

SEC. 11, T13N, R1W
MONROE TWP.
MORGAN CO.



CURVE DATA
 P.I. 654+80.77 Line "A"
 $\Delta = 0^{\circ}11'46''$ RT.
 (No Curve Run)

654+70.3, 16.6' Pw P
 654+82.7, 26.1' WMBV Mkr
 654+86.7, 31.8' WMBV Mkr
 654+88.3, 32.4' WMBV Mkr
 654+91.9, 16.7' Fiber Optic Mkr
 654+93.8, 16.7' Pw P

656+48.2, 15.9' Pw P

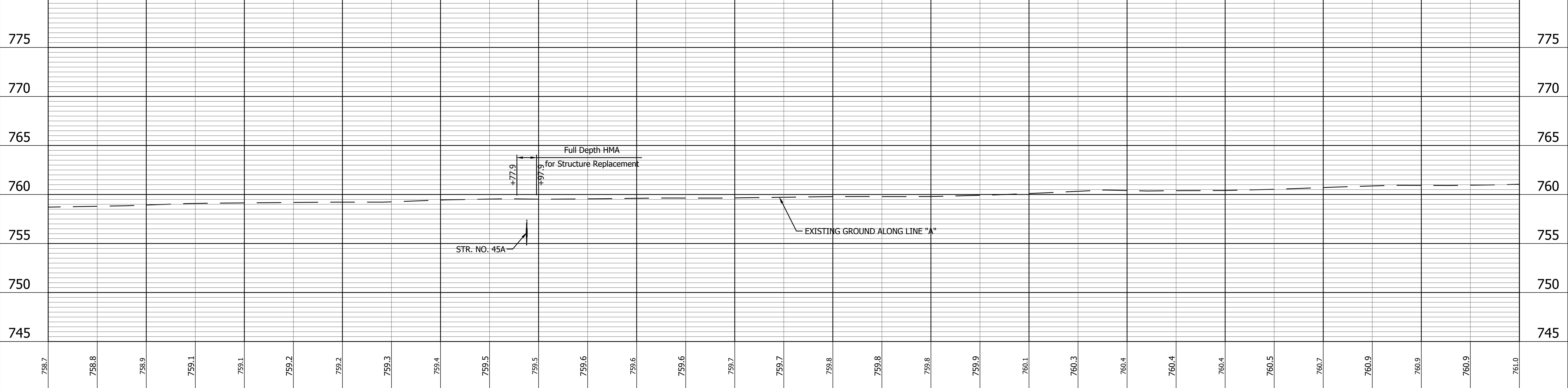
659+14.3, 16' Pw P

659+86.8, 16.5' Pw P

661+43.3, 16.4' Pw P

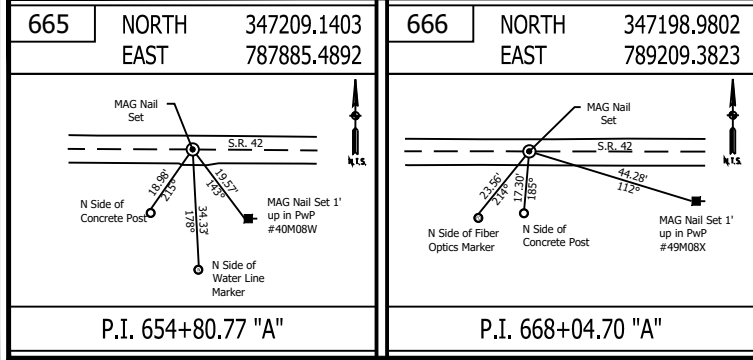
663+78.9, 17.6' Pw P
663+86.4, 18.2' Fiber Optic Mkr

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".



758.7 758.8 758.9 759.1 759.1 759.2 759.2 759.3 759.4 759.5 759.5 759.6 759.6 759.6 759.7 759.7 759.8 759.8 759.8 759.9 759.9 760.1 760.3 760.4 760.4 760.4 760.4 760.5 760.7 760.9 760.9 760.9 761.0

650+00 651+00 652+00 653+00 654+00 655+00 656+00 657+00 658+00 659+00 660+00 661+00 662+00 663+00 664+00 665+00



LEGEND

	Wetland Delineation		Approach Milling and HMA Overlay - See Typical Sections
	Environmental Sensitive Area - Do Not Disturb		Structural Overlay (RURAL) - See Typical Sections
	Curb Ramp		Structural Overlay (URBAN) - See Typical Sections
			Full Depth HMA for Structure Replacement - See Typical Sections

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: KRJ	
CHECKED: LLC	CHECKED: MSS	

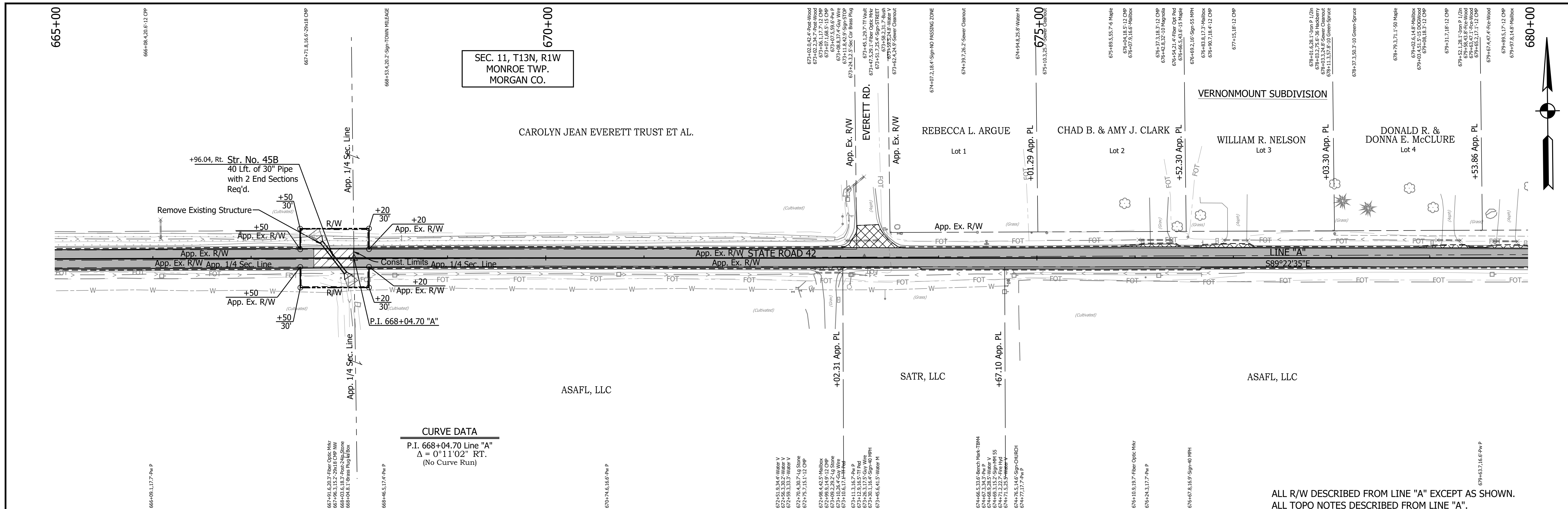
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 650+00.00 TO 665+00.00 LINE "A"

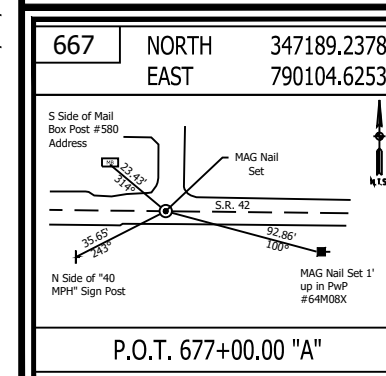
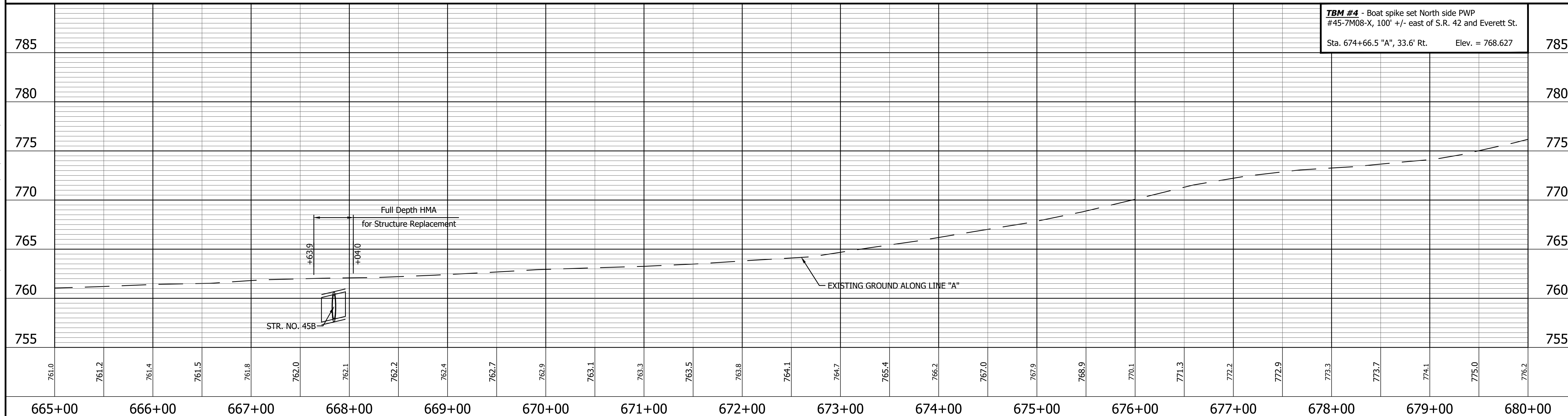
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VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET
	68 of 86
CONTRACT R-40583	PROJECT 1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:49 PM
 EDITOR: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-02.DWG

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:49 PM
 EDITOR: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-R&P LINE A-SR42-02.DWG



CURVE DATA
 P.I. 668+04.70 Line "A"
 $\Delta = 0^\circ 11' 02''$ RT.
 (No Curve Run)



LEGEND

	Wetland Delineation		Approach Milling and HMA Overlay - See Typical Sections
	Environmental Sensitive Area - Do Not Disturb		Structural Overlay (RURAL) - See Typical Sections
	Curb Ramp		Structural Overlay (URBAN) - See Typical Sections
			Full Depth HMA for Structure Replacement - See Typical Sections

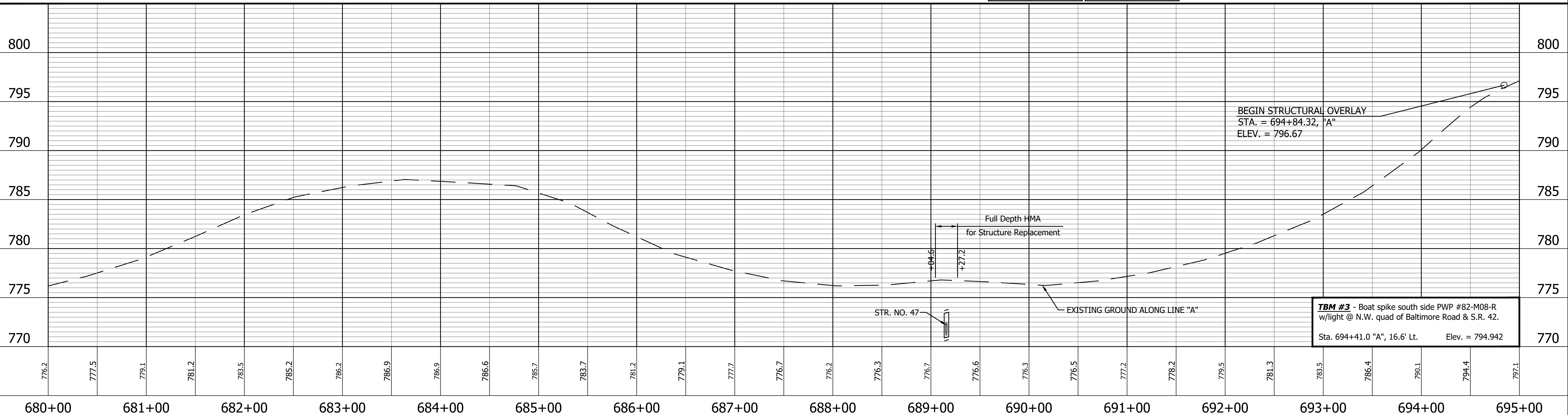
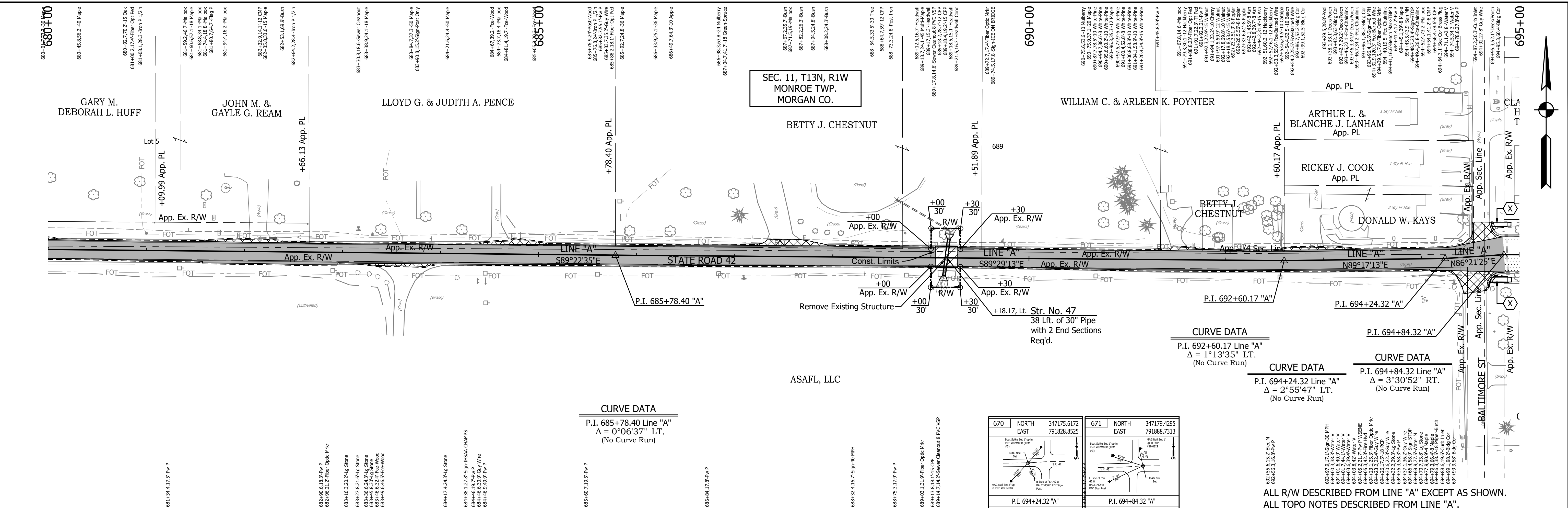
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: KRJ	
CHECKED: LLC	CHECKED: MSS	

INDIANA DEPARTMENT OF TRANSPORTATION

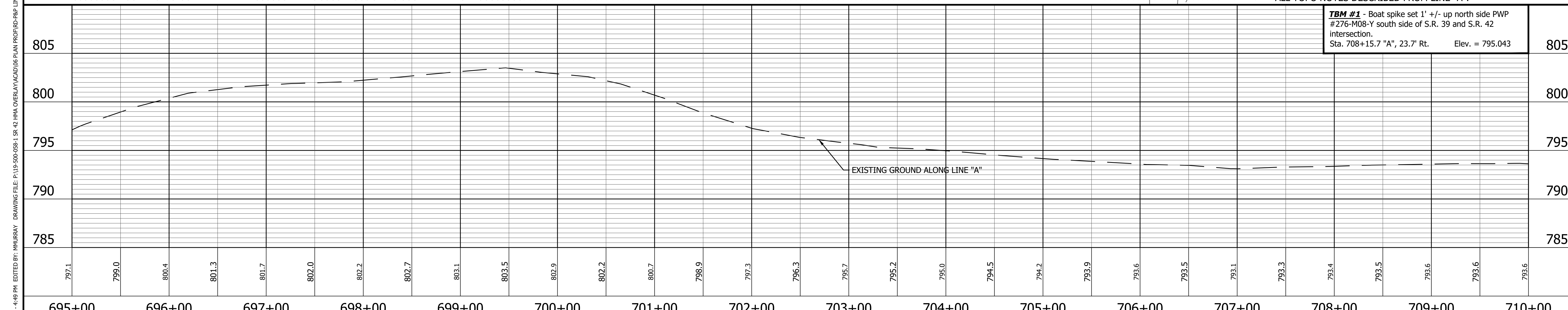
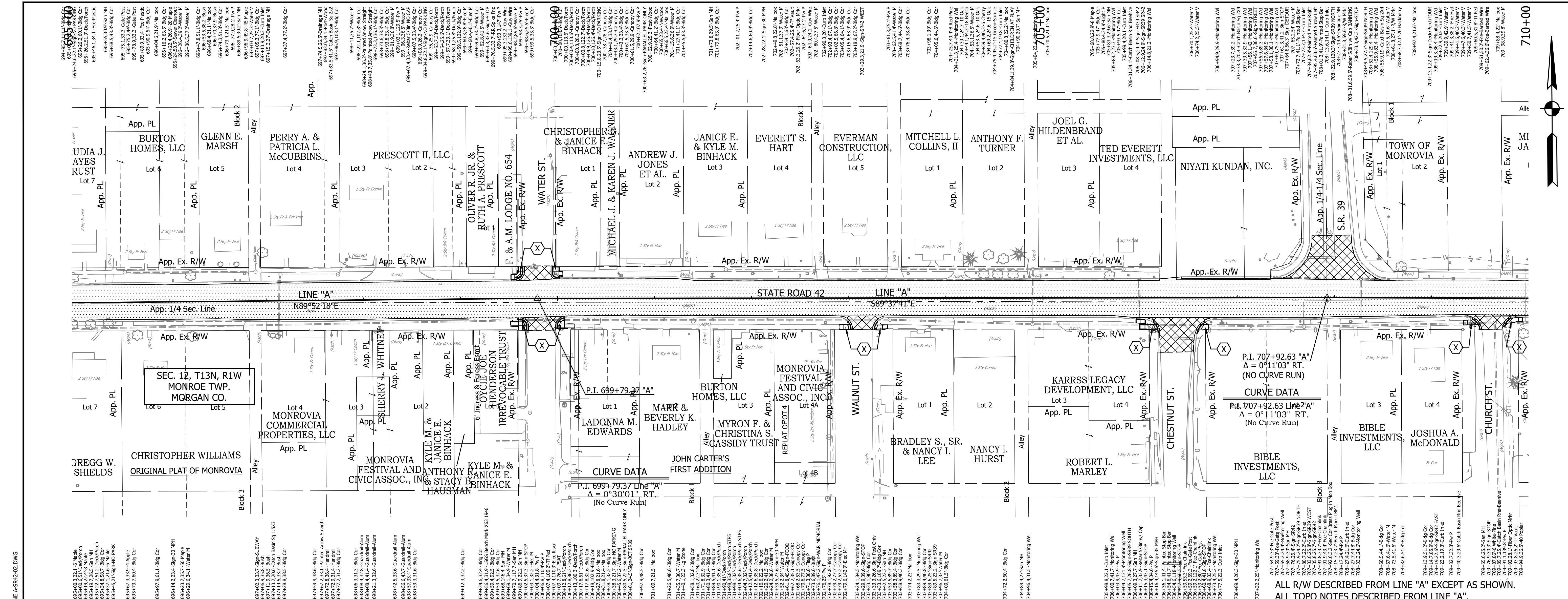
PLAN AND PROFILE
 STA. 665+00.00 TO 680+00.00 LINE "A"

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1601075
SURVEY BOOK	SHEET 69 of 86
CONTRACT R-40583	PROJECT 1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 4/27/22 - 4:49 PM
 EDITOR: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RFP LINE A-SR42-02.DWG



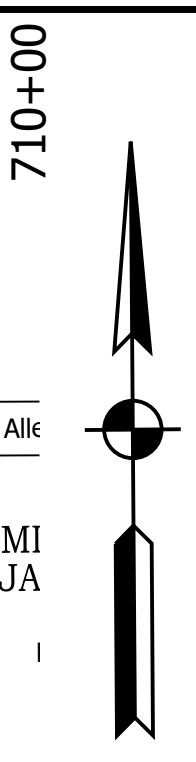
<p>668 NORTH 347179.6792 EAST 790982.9736</p> <p>669 NORTH 347173.5740 EAST 791664.7147</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL</p> <p style="text-align: center;">DESIGN ENGINEER DATE</p> <hr/> <p>DESIGNED: MSS DRAWN: KRJ</p> <hr/> <p>CHECKED: LLC CHECKED: MSS</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 680+00.00 TO 695+00.00 LINE "A"</p>	<p>HORIZONTAL SCALE 1" = 50'</p> <p>VERTICAL SCALE 1" = 5'</p> <p>SURVEY BOOK</p> <p>CONTRACT R-40583</p>	<p>BRIDGE FILE N/A</p> <p>DESIGNATION 1601075</p> <p>SHEET 70 of 86</p> <p>PROJECT 1601075</p>
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<p>PRINT DATE: 5/27/22 PLOT SCALE: 1:1 EDIT DATE: 4/27/22 - 4:49 PM DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RFP LINE A-SR42-02.DWG</p>	<p>672 NORTH EAST 347180.5389 792383.7796</p> <p>673 NORTH EAST 347175.2605 793197.0257</p>	<p>LEGEND</p> <ul style="list-style-type: none"> Wetland Delineation Environmental Sensitive Area - Do Not Disturb Curb Ramp Approach Milling and HMA Overlay - See Typical Sections Structural Overlay (RURAL) - See Typical Sections Structural Overlay (URBAN) - See Typical Sections Full Depth HMA for Structure Replacement - See Typical Sections 	<p>RECOMMENDED FOR APPROVAL</p> <p>DESIGNED: MSS DRAWN: KRU</p> <p>CHECKED: LLC CHECKED: MSS</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE STA. 695+00.00 TO 710+00.00 LINE "A"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1601075</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>71 of 86</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-40583</td> <td>1601075</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 50'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1601075	SURVEY BOOK	SHEET		71 of 86	CONTRACT	PROJECT	R-40583	1601075
HORIZONTAL SCALE	BRIDGE FILE																				
1" = 50'	N/A																				
VERTICAL SCALE	DESIGNATION																				
1" = 5'	1601075																				
SURVEY BOOK	SHEET																				
	71 of 86																				
CONTRACT	PROJECT																				
R-40583	1601075																				

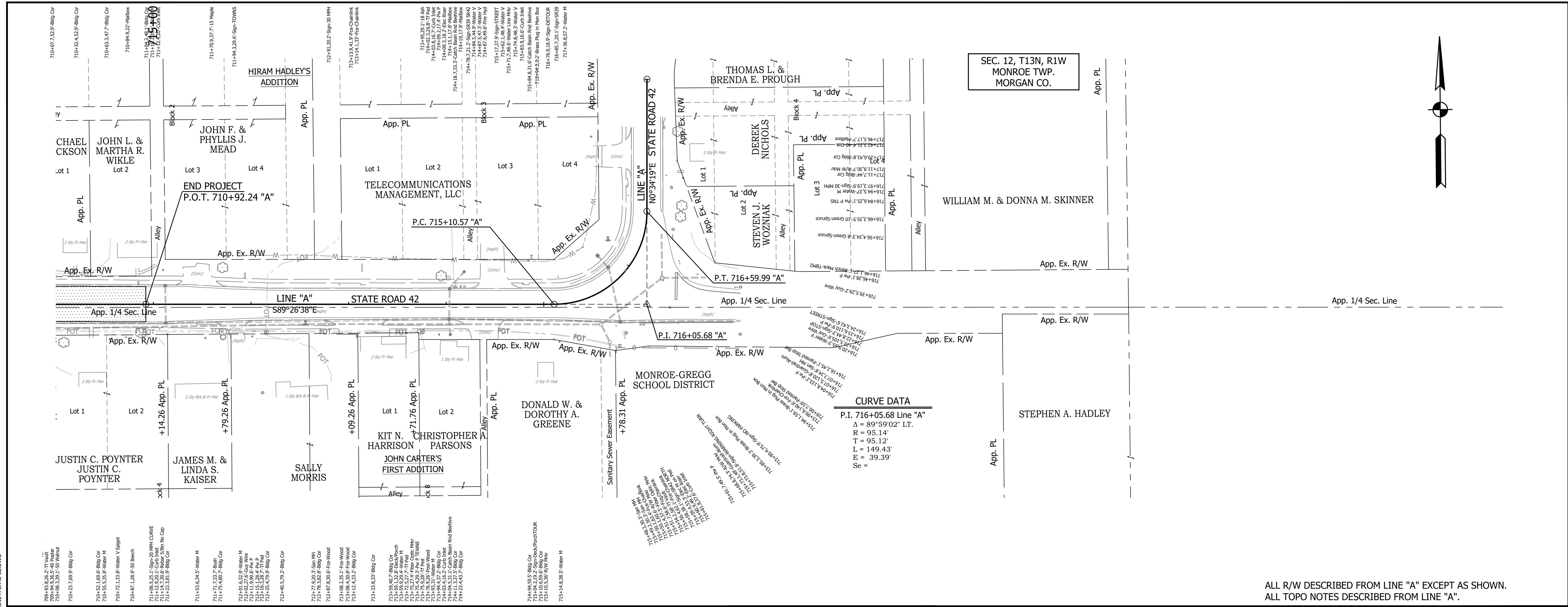
TBM #1 - Boat spike set 1' +/- up north side PWP #276-M08-Y south side of S.R. 39 and S.R. 42 intersection.
 Sta. 708+15.7 "A", 23.7" Rt. Elev. = 795.043

ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".

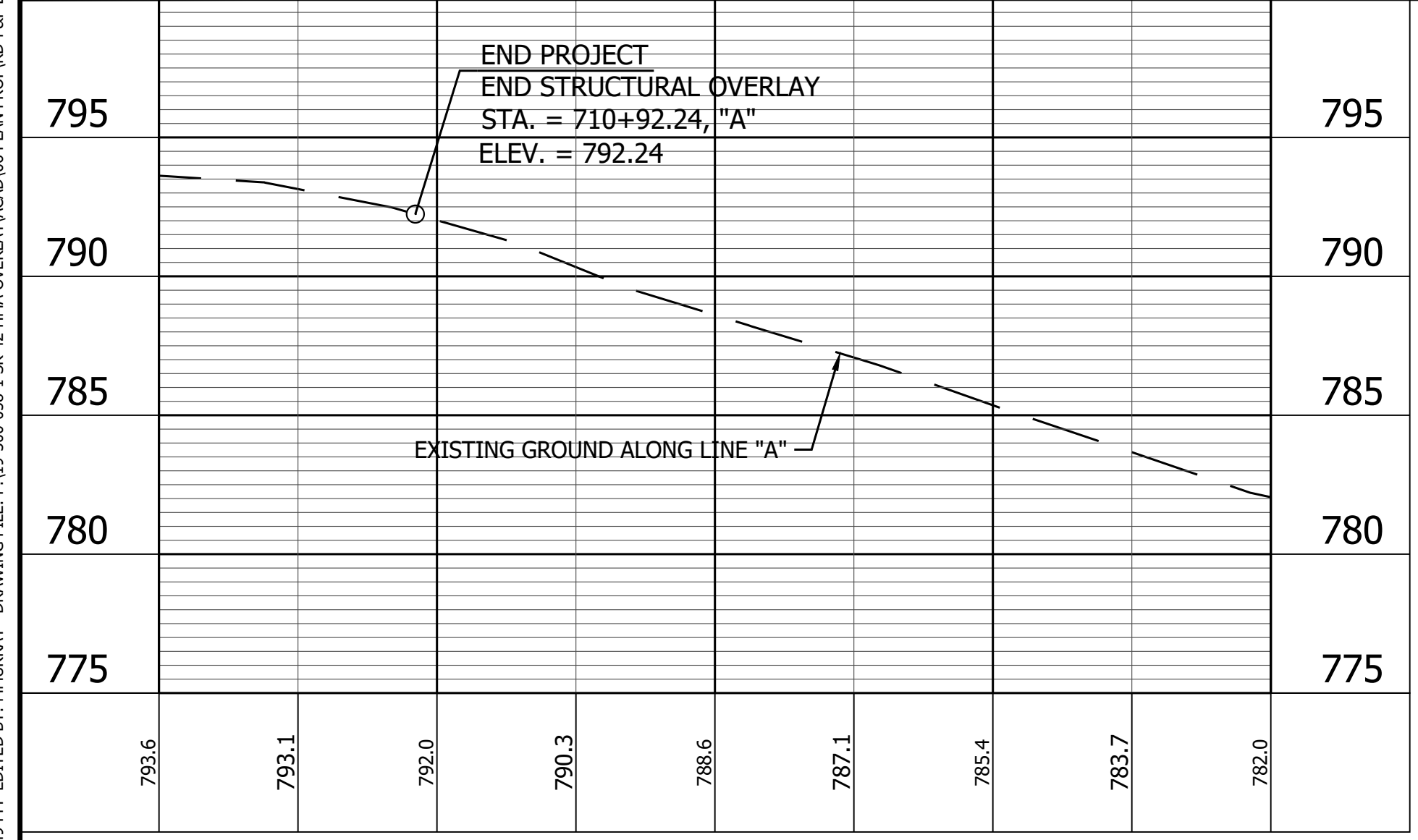


710+00

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
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 EDITOR: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\06 PLAN PROF\RD-RFP LINE A-SR42-02.DWG



ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".



TBM #2 - Boat spike set 1' +/- up west side PWP
 #50-M08-S N.W. corner S.R. 42 and Gordon Rd.
 Sta. 716+46.1 "A", 27.1' Elev. = 782.383

- LEGEND**
- Wetland Delineation
 - Environmental Sensitive Area - Do Not Disturb
 - Curb Ramp
 - Approach Milling and HMA Overlay - See Typical Sections
 - Structural Overlay (RURAL) - See Typical Sections
 - Structural Overlay (URBAN) - See Typical Sections
 - Full Depth HMA for Structure Replacement - See Typical Sections

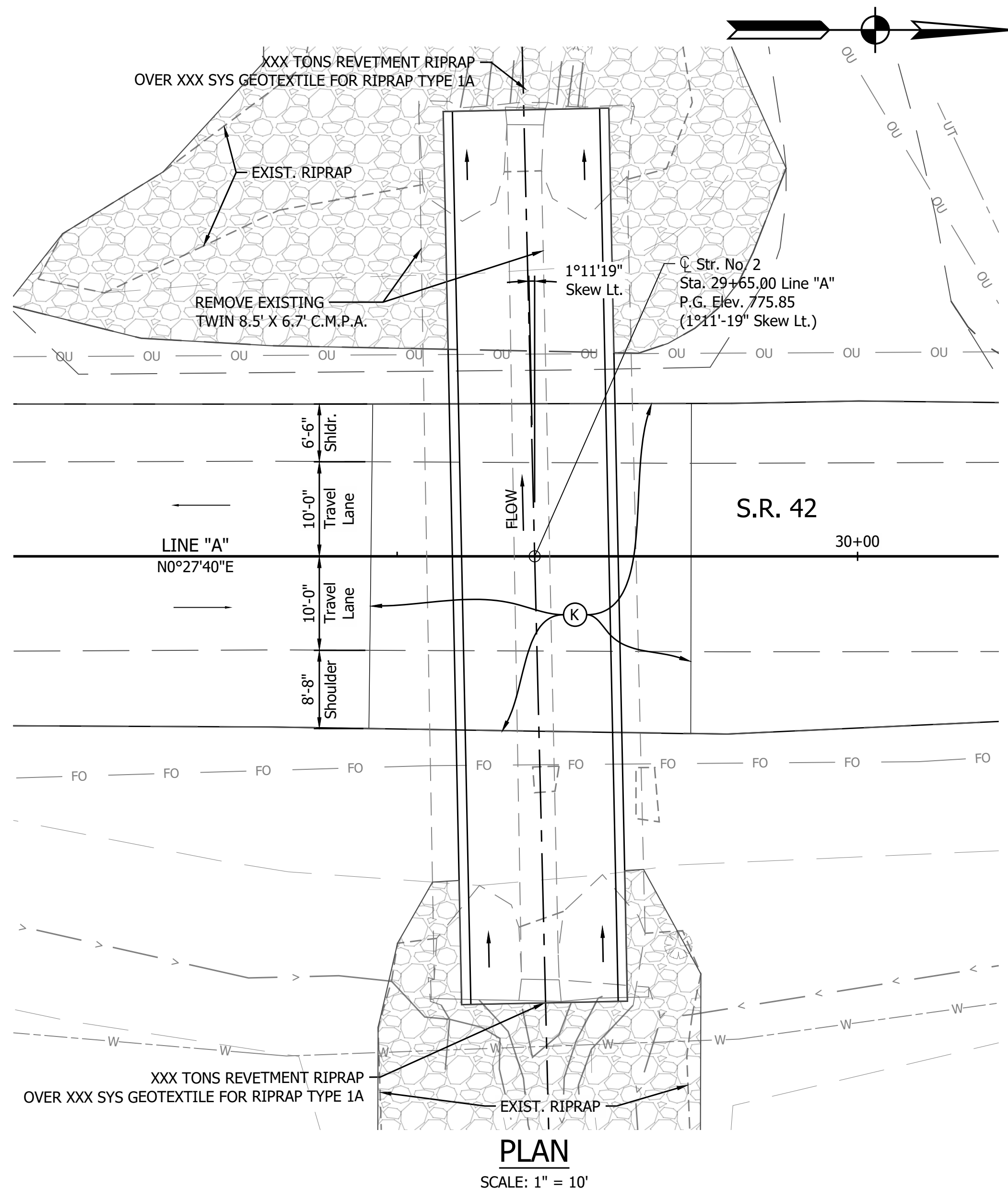
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P.C. 715+10.57 "A"			P.I. 716+05.69 "A"			P.T. 716+59.99 "A"			P.O.T. 717+95.42 "A"		

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: KRJ	
CHECKED: LLC	CHECKED: MSS	

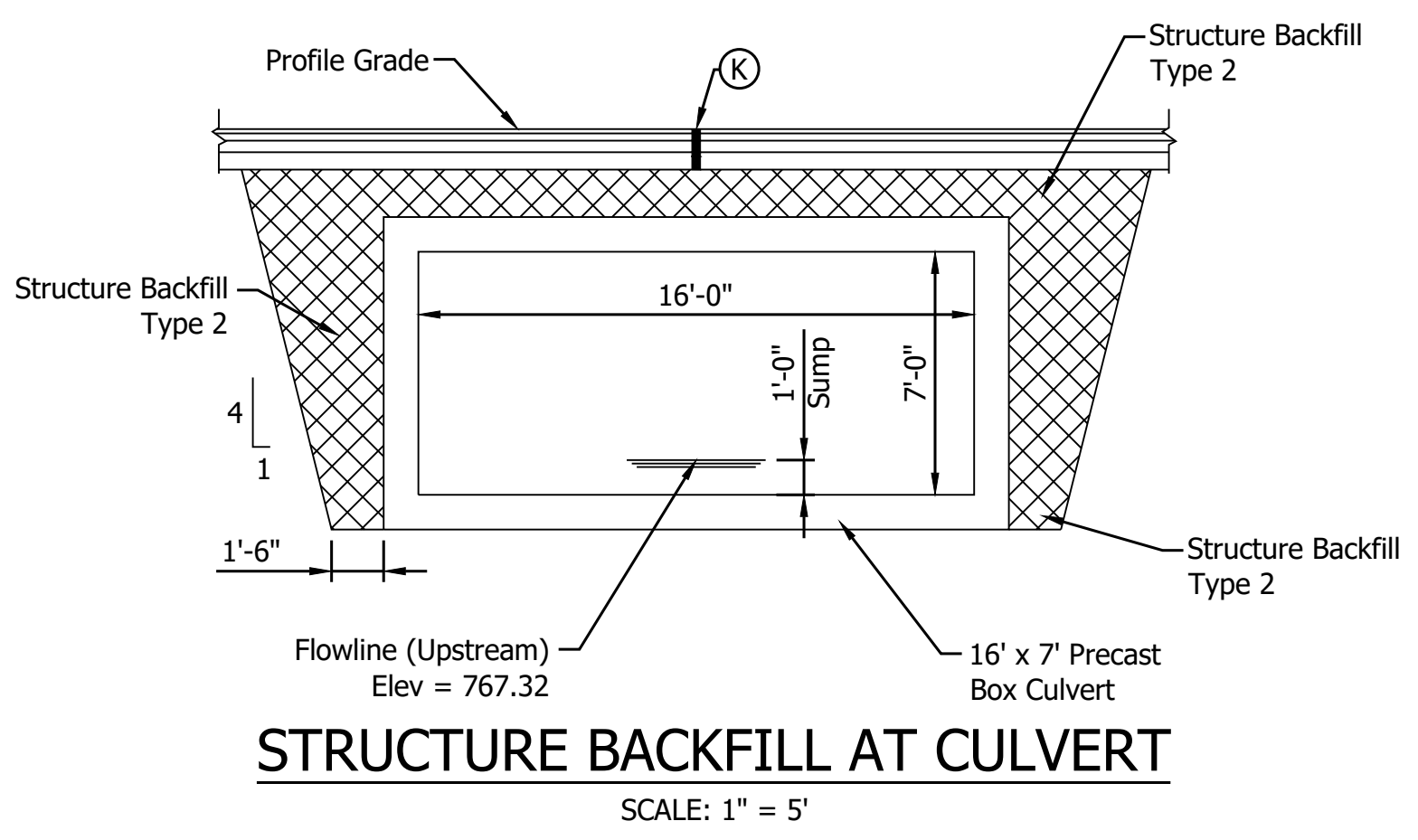
INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 STA. 710+00.00 TO 718+00.00 LINE "A"

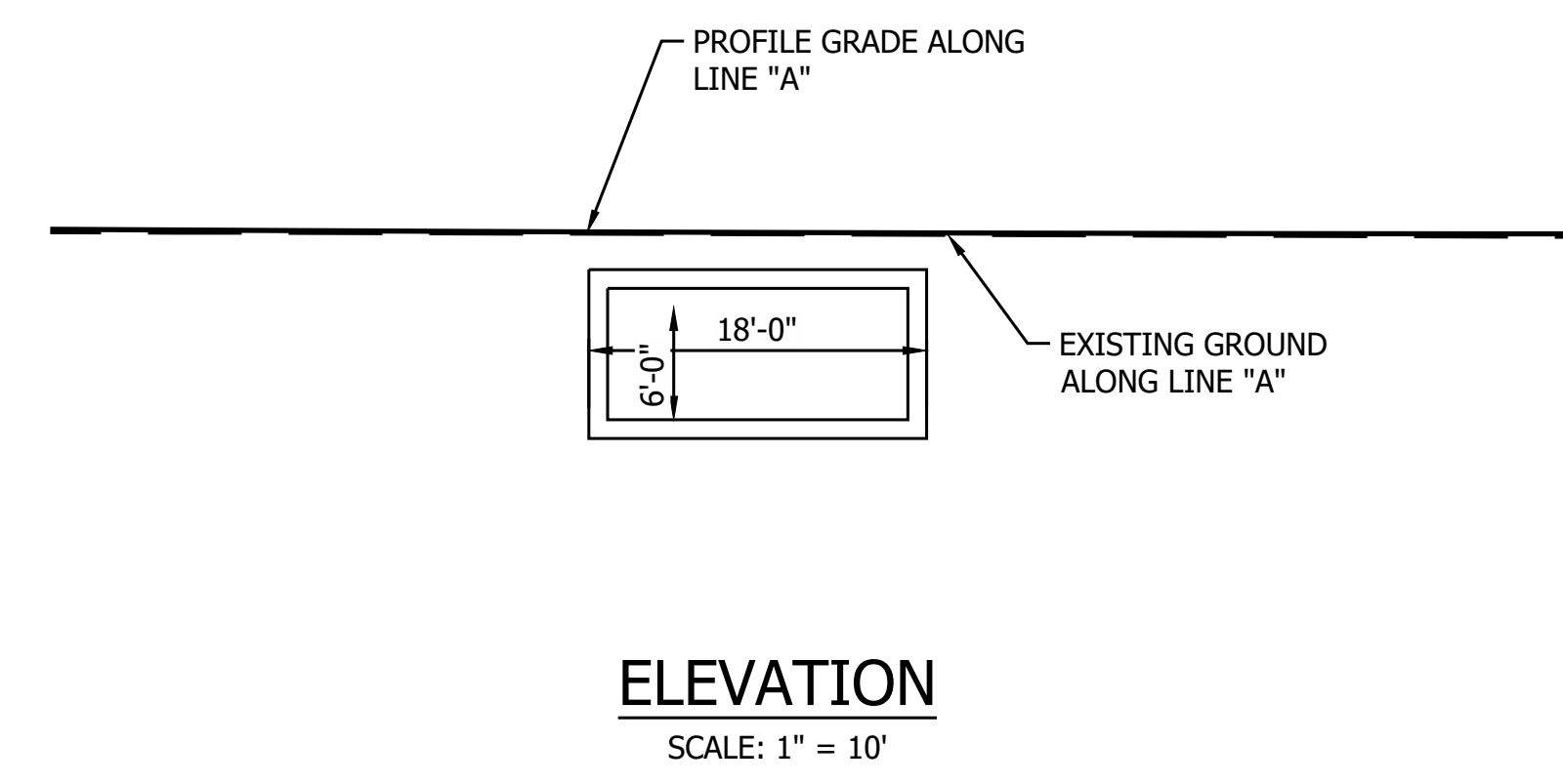
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1601075
SURVEY BOOK	SHEET
	72 of 86
CONTRACT	PROJECT
R-40583	1601075



PLAN
SCALE: 1" = 10'



STRUCTURE BACKFILL AT CULVERT
SCALE: 1" = 5'



ELEVATION
SCALE: 1" = 10'

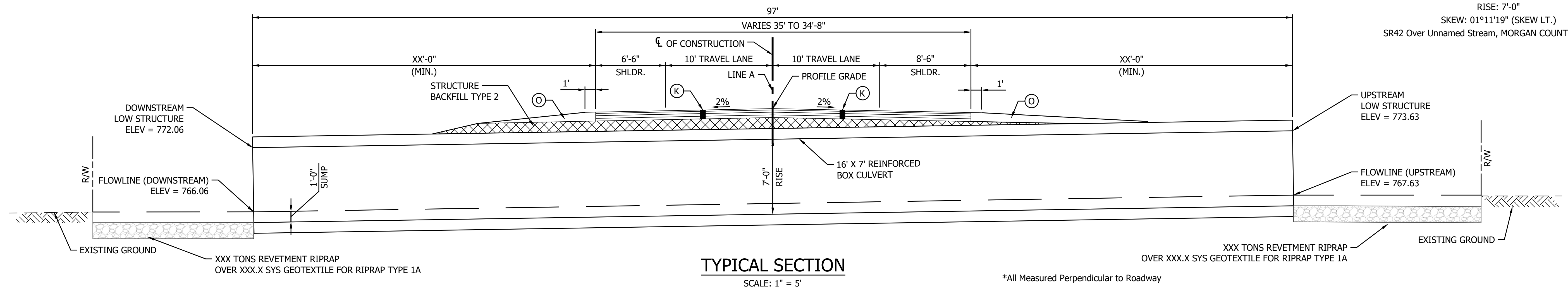
DESIGN DATA
Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and subsequent interim.
Dead Load increased 35 PSF for Future Wearing Surface.

HYDRAULIC DATA

Drainage Area	= 136.7 acres
Q100 Discharge	= 227.52 cfs
Headwater Elevation at Q100	= 770.51 ft
Backwater at Q100	= -0.21 ft
Velocity at Q25	= 3.59 ft/s
Skew	= 0°
Existing Q100 Discharge	= 227.52
Existing Headwater Elevation at Q100	= 770.79
Existing Backwater at Q100	= 0.07
Existing Velocity at Q25	= 7.75

NOTES:
Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
Reinforcement in the Box Culvert Shall be Epoxy Coated.
Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 53 (XXX Tons) on top of XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

REINFORCED CONCRETE BOX STRUCTURE
SPAN: 16'-0"
RISE: 7'-0"
SKEW: 01°11'19" (SKEW LT.)
SR42 Over Unnamed Stream, MORGAN COUNTY, INDIANA



TYPICAL SECTION
SCALE: 1" = 5'

*All Measured Perpendicular to Roadway

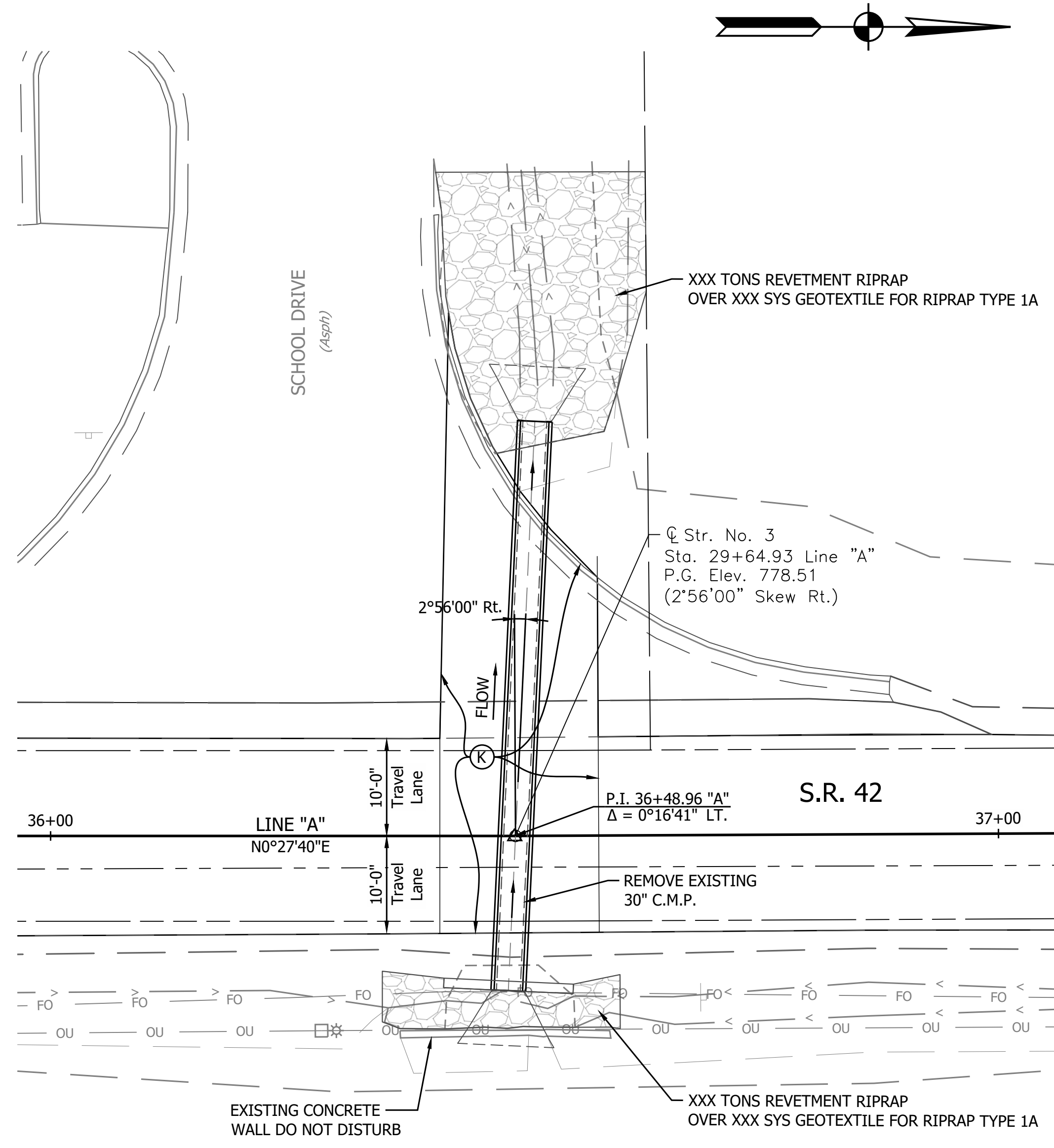
LEGEND
(K) Full Depth HMA for Structure Replacement
(O) Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: CK	
CHECKED: YZ	CHECKED: MRM	

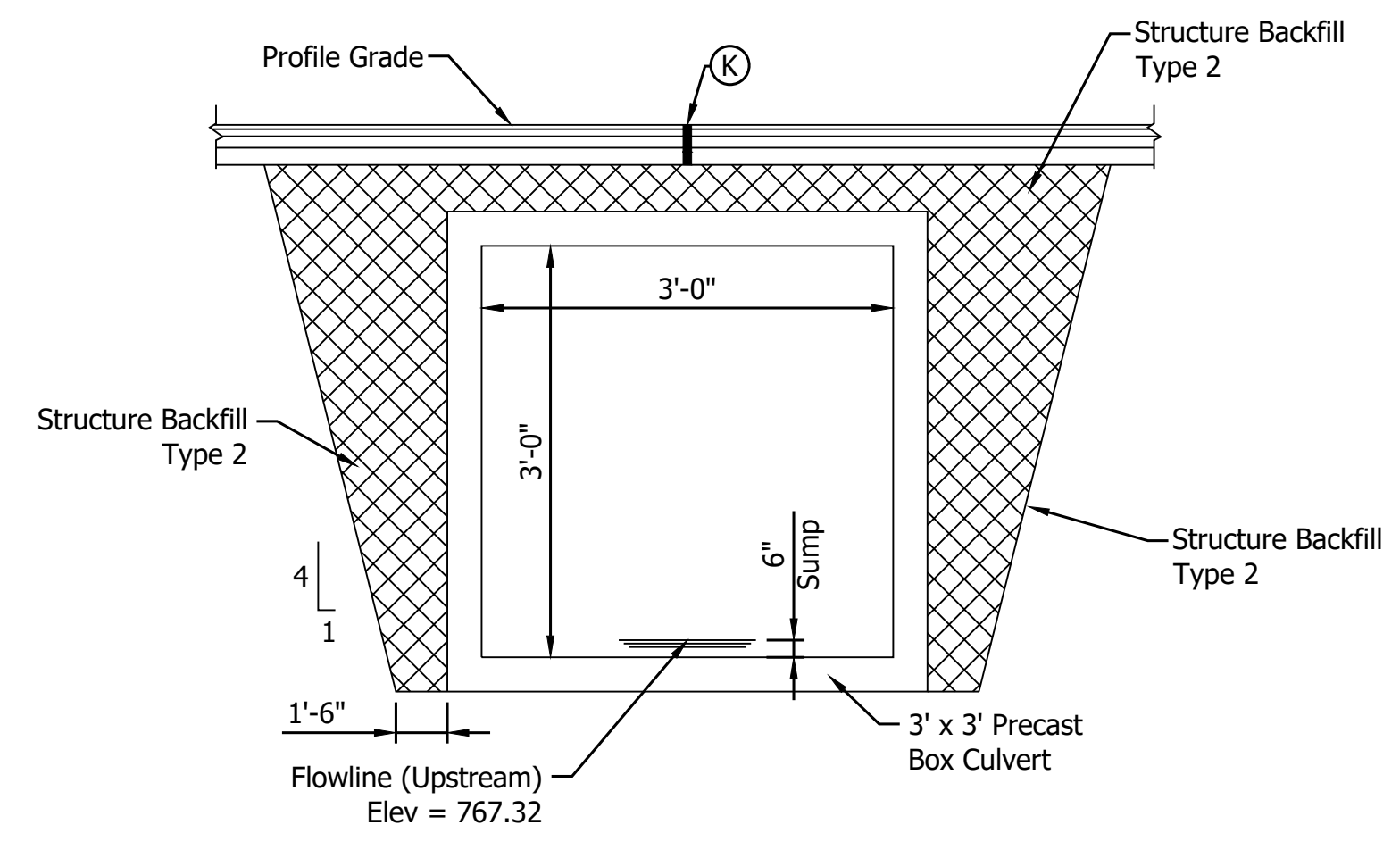
INDIANA
DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
STRUCTURE 2 BOX CULVERT

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	NA
VERTICAL SCALE	DESIGNATION
AS NOTED	2001548
SURVEY BOOK	SHEET
	73 of 86
CONTRACT	PROJECT
R-40583	1601075

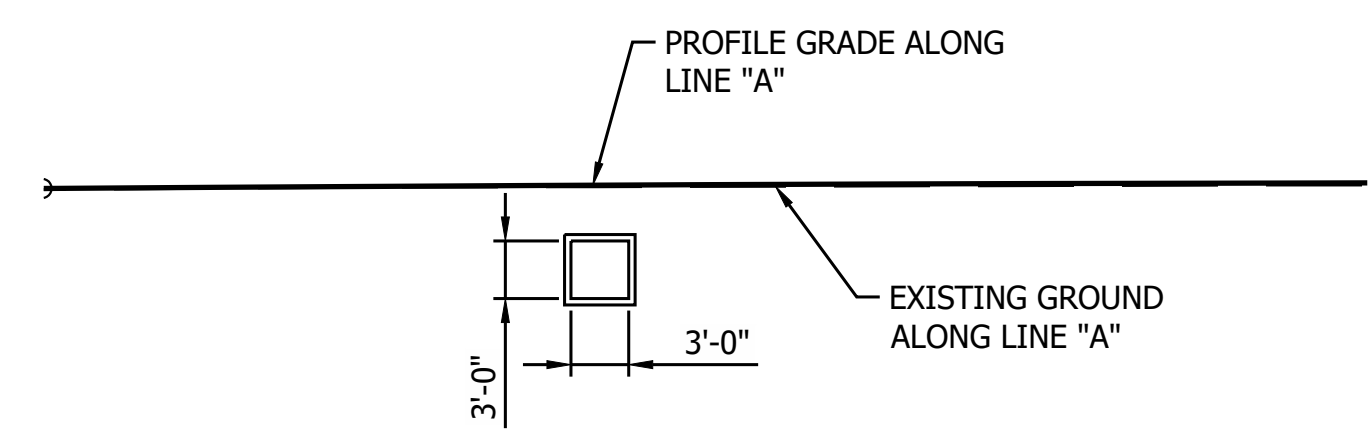
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PLAN
SCALE: 1" = 10'



STRUCTURE BACKFILL AT CULVERT
NOT TO SCALE



ELEVATION
SCALE: 1" = 10'

DESIGN DATA
Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and subsequent interim.

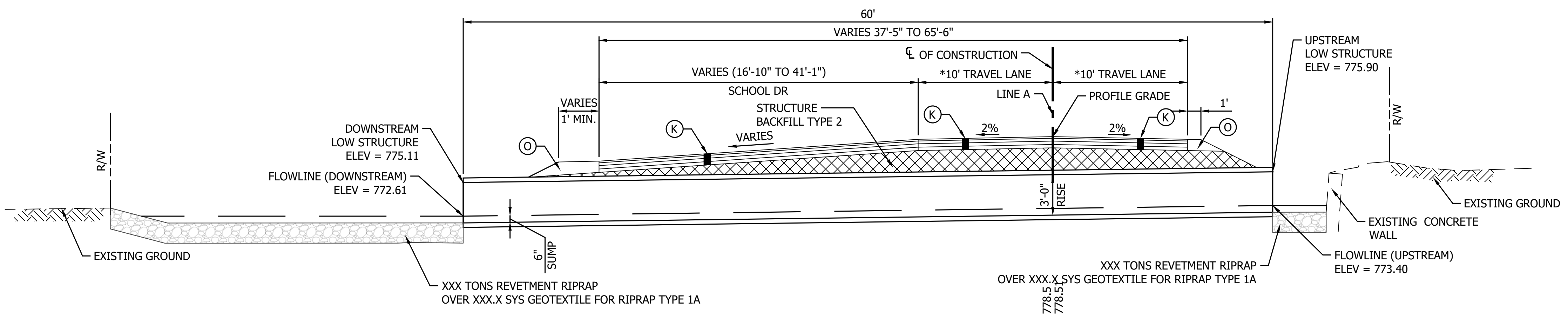
Dead Load increased 35 PSF for Future Wearing Surface.

HYDRAULIC DATA

Drainage Area	= 136.7 acres
Q100 Discharge	= 227.52 cfs
Headwater Elevation at Q100	= 770.51 ft
Backwater at Q100	= -0.21 ft
Velocity at Q25	= 3.59 ft/s
Skew	= 0°
Existing Q100 Discharge	= 227.52
Existing Headwater Elevation at Q100	= 770.79
Existing Backwater at Q100	= 0.07
Existing Velocity at Q25	= 7.75

NOTES:
Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
Reinforcement in the Box Culvert Shall be Epoxy Coated.
Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 53 (XXX Tons) on top of XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

REINFORCED CONCRETE BOX STRUCTURE
SPAN: 3'-0"
RISE: 3'-0"
SKEW: 02°56'00" (SKEW RT.)
SR42 Over UNT to Lake Creek, MORGAN COUNTY, INDIANA



TYPICAL SECTION
SCALE: 1" = 5'

*All Measured Perpendicular to Roadway

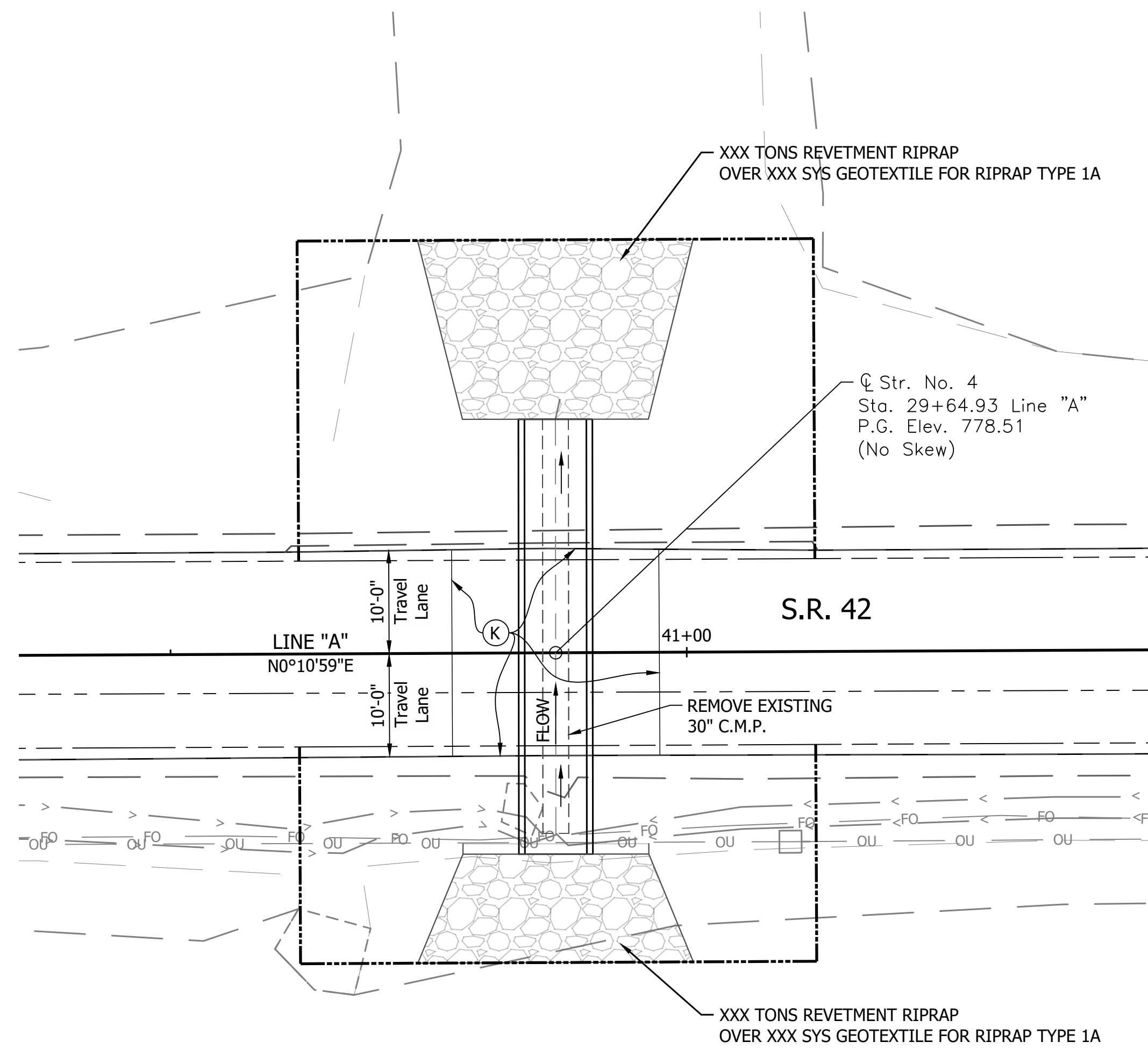
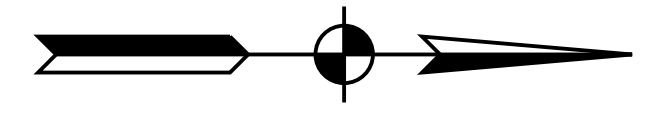
- LEGEND**
- (K) Full Depth HMA for Structure Replacement
 - (O) Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: ----	
CHECKED: LLC	CHECKED: MSS	

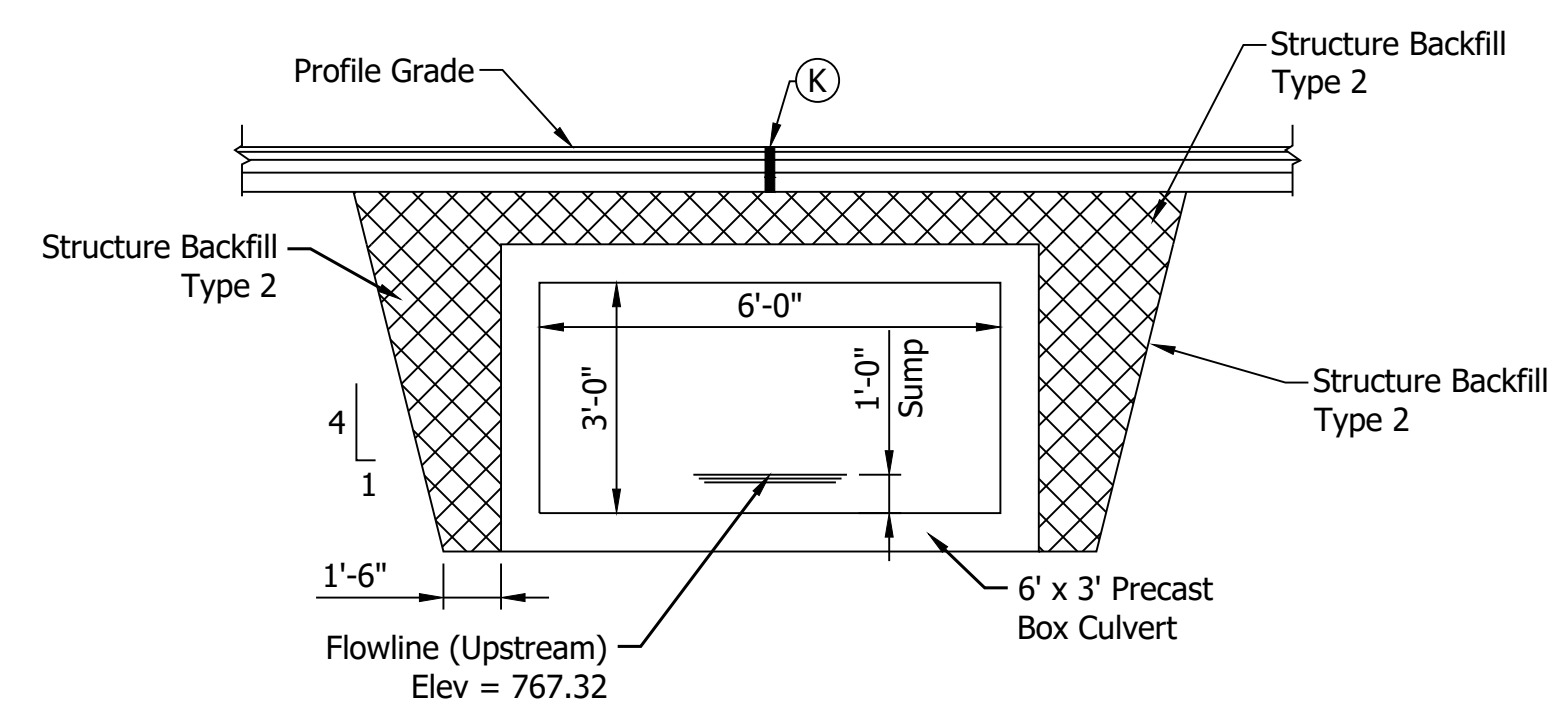
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE 3 BOX CULVERT

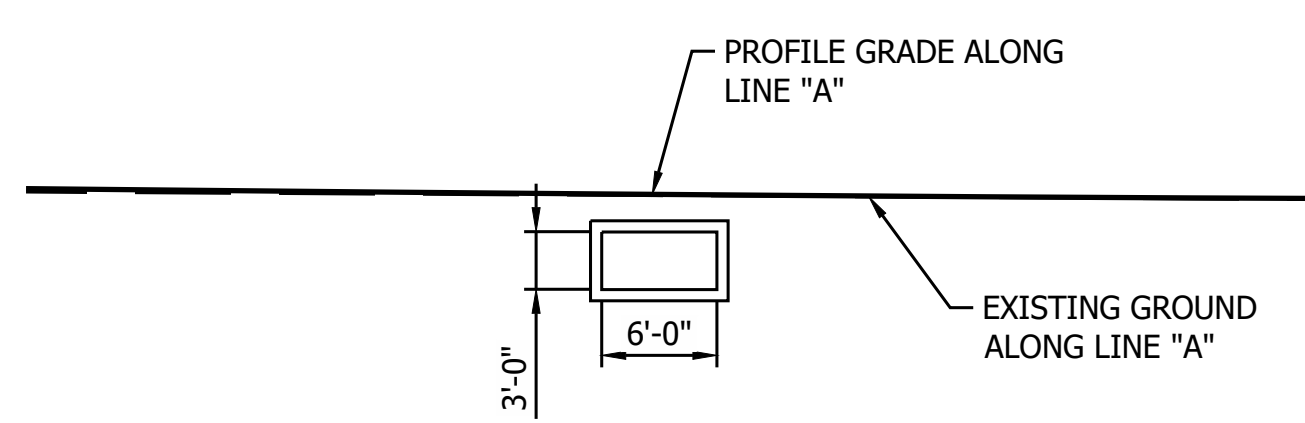
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	NA
VERTICAL SCALE	DESIGNATION
AS NOTED	2001548
SURVEY BOOK	SHEET
	74 of 86
CONTRACT	PROJECT
R-40583	1601075



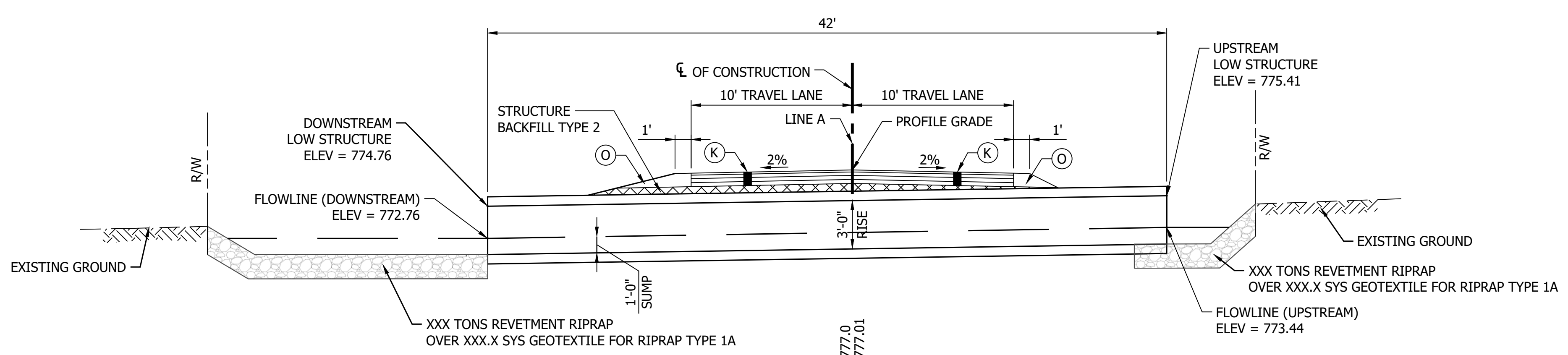
PLAN
SCALE: 1" = 10'



STRUCTURE BACKFILL AT CULVERT
NOT TO SCALE



ELEVATION
SCALE: 1" = 10'



TYPICAL SECTION
SCALE: 1" = 5'

DESIGN DATA

Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and subsequent interim.

Dead Load increased 35 PSF for Future Wearing Surface.

HYDRAULIC DATA

Drainage Area	= 136.7 acres
Q100 Discharge	= 227.52 cfs
Headwater Elevation at Q100	= 770.51 ft
Backwater at Q100	= -0.21 ft
Velocity at Q25	= 3.59 ft/s
Skew	= 0°
Existing Q100 Discharge	= 227.52
Existing Headwater Elevation at Q100	= 770.79
Existing Backwater at Q100	= 0.07
Existing Velocity at Q25	= 7.75

NOTES:

- Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
- Reinforcement in the Box Culvert Shall be Epoxy Coated.
- Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 53 (XXX Tons) on top of XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

REINFORCED CONCRETE BOX STRUCTURE
SPAN: 6'-0"
RISE: 3'-0"
SKEW: 00°00'00" (NO SKEW)
SR42 Over Unnamed Tributary, MORGAN COUNTY, INDIANA

- LEGEND**
- (K) Full Depth HMA for Structure Replacement
 - (O) Compacted Aggregate, No. 53

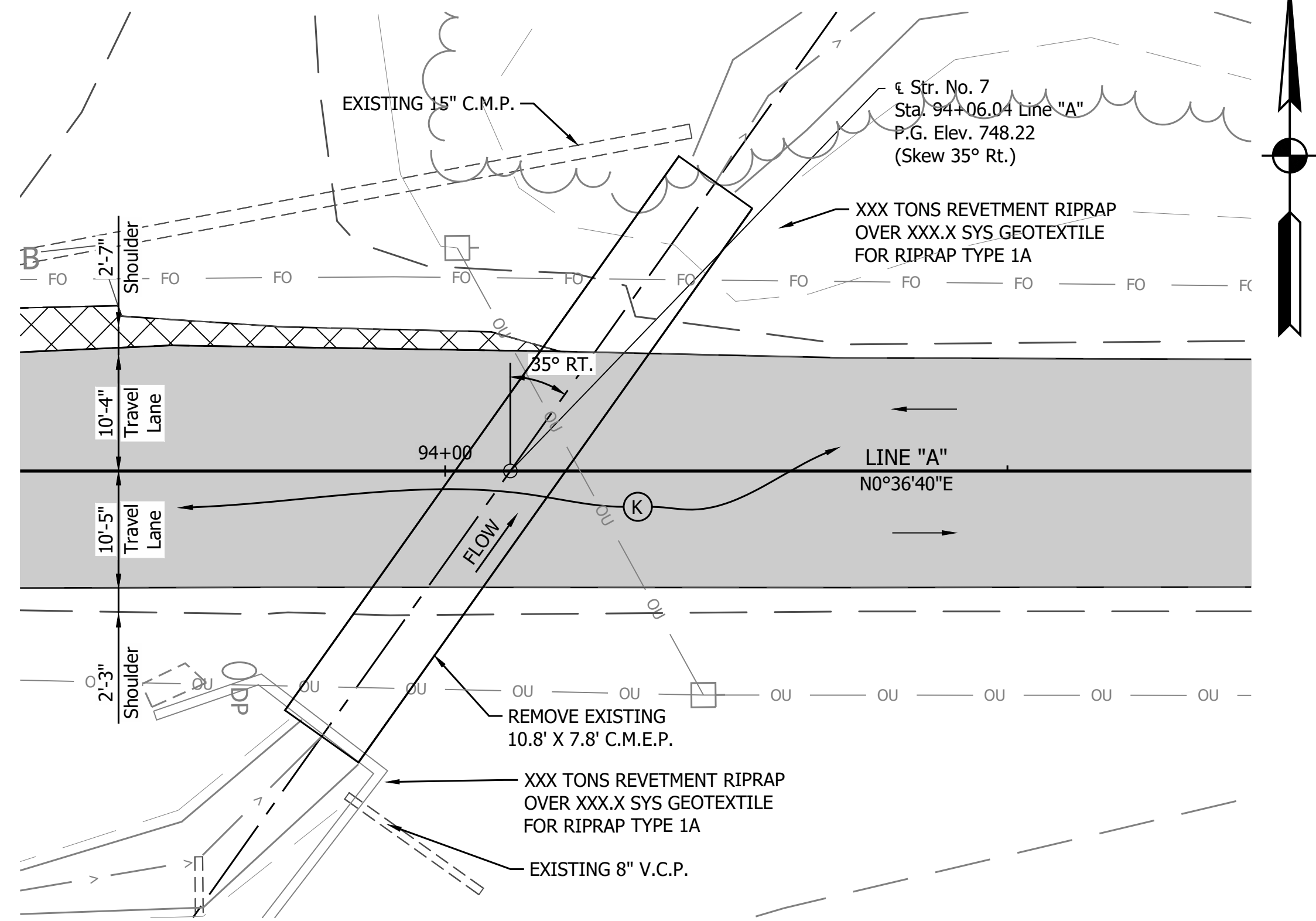
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: ----	
CHECKED: LLC	CHECKED: MSS	

INDIANA DEPARTMENT OF TRANSPORTATION

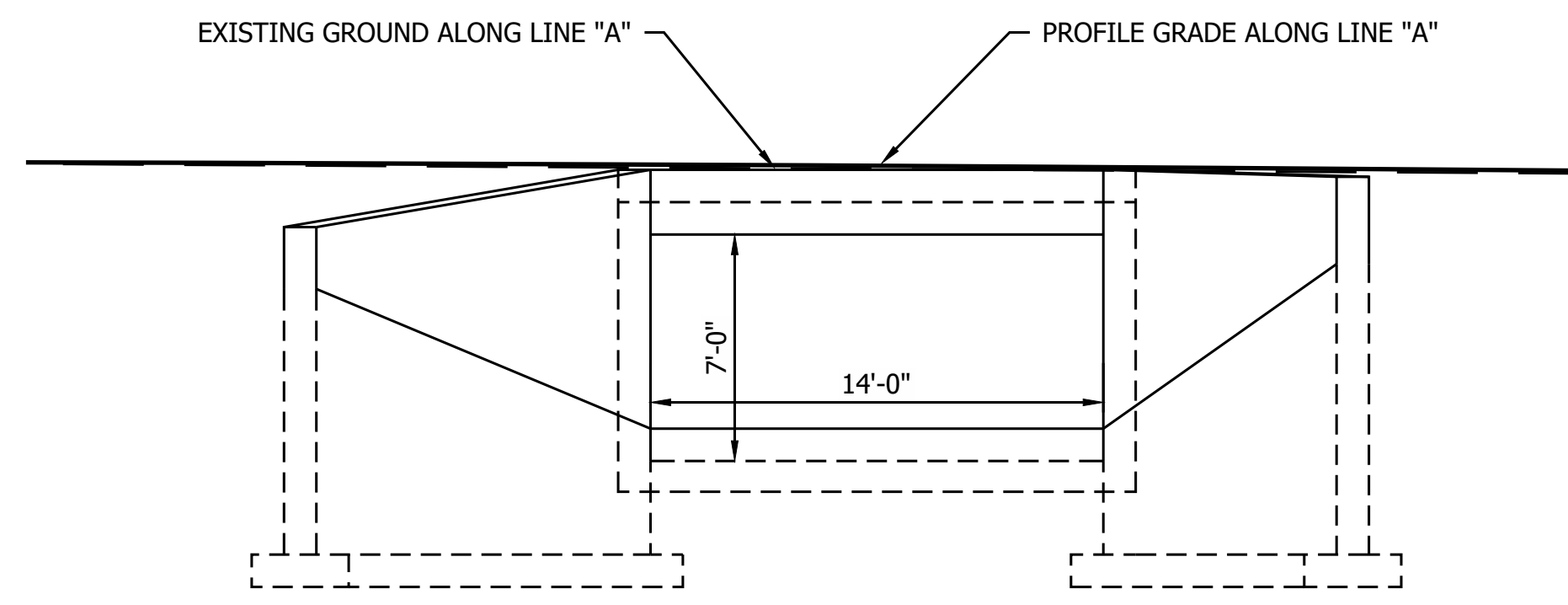
GENERAL PLAN
STRUCTURE 4 BOX CULVERT

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	NA
VERTICAL SCALE	DESIGNATION
AS NOTED	2001548
SURVEY BOOK	SHEET
	75 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22
PLOT SCALE: 1:1
EDIT DATE: 4/28/22 - 4:03 PM
DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\103 GENERAL PLAN\RD-GP-CULVERT 4.DWG
EDITED BY: MMURRAY

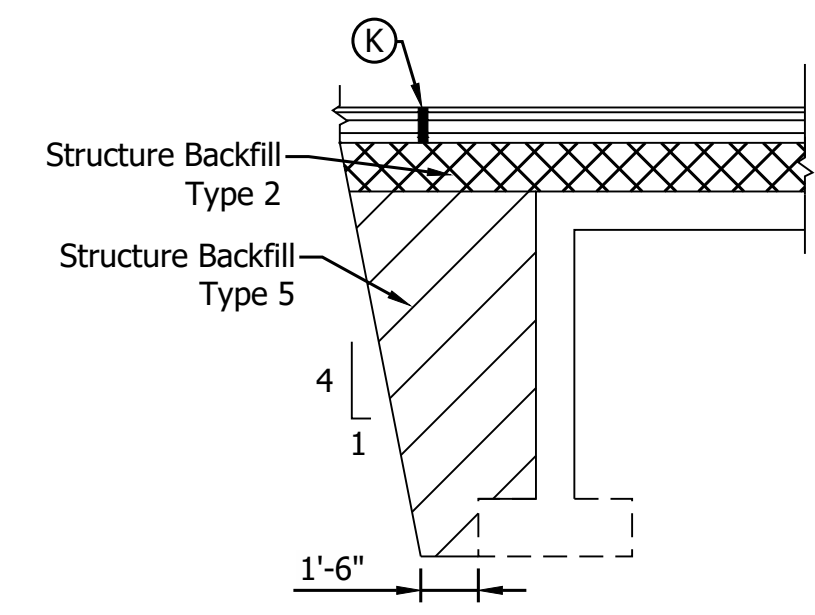


PLAN
SCALE: 1" = 10'

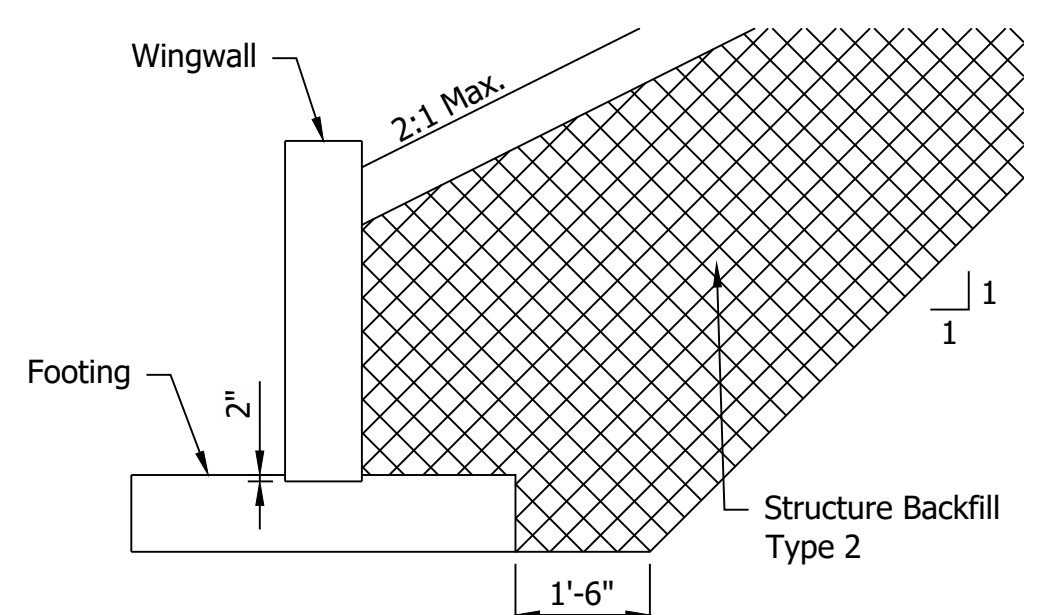


Wing	"L"	Top of Wall Elevation	Area of Wingwall
A	XX FT	XXX.XX	XXX.X FT ²
B	XX FT	XXX.XX	XXX.X FT ²
C	XX FT	XXX.XX	XXX.X FT ²
D	XX FT	XXX.XX	XXX.X FT ²
TOTAL WING AREA ***			XXX.X FT ²

*** ASSUMES DOWNSTREAM BOTTOM WING AT ELEV. XXX.XX (X" BELOW TOP OF FOOTING)
 ASSUMES UPSTREAM BOTTOM WING AT ELEV. XXX.XX (X" BELOW TOP OF FOOTING)
 ESTIMATED QUANTITY OF HEADWALLS = XX FT²



TYPICAL EXCAVATION STRUCTURE BACKFILL LIMIT AT STRUCTURE
SCALE: 1" = 5'



TYPICAL EXCAVATION STRUCTURE BACKFILL LIMIT AT WINGWALLS
SCALE: 1" = 5'

SOIL PARAMETERS FOR WINGWALL DESIGN	
X,XXX (B = X ft)	Factored Bearing Resistance (psf)
X,XXX (B = X ft)	
X,XXX (B = X ft)	
X,XXX (B = X ft)	
0.XX	Resistance Factor (ϕ)
X,XXX (B = X ft)	Nominal Bearing Resistance (psf)
X,XXX (B = X ft)	
X,XXX (B = X ft)	
X,XXX (B = X ft)	
XX	Friction Angle between Wingwall and Structure Backfill (Type II) (δ)
0.X	Friction Factor between Footing and Foundation Soil
XX	Cohesion of Foundation Soil (psf)
XX	Adhesion of Foundation Soil (psf)
XX	Internal Friction Angle of Foundation Soil (ϕ_b)
XXX	Estimated Unit Weight of Structure Backfill, moist/saturated (pcf)

*Varies depending on width of foundation (B). Interpolation between provided values is permitted

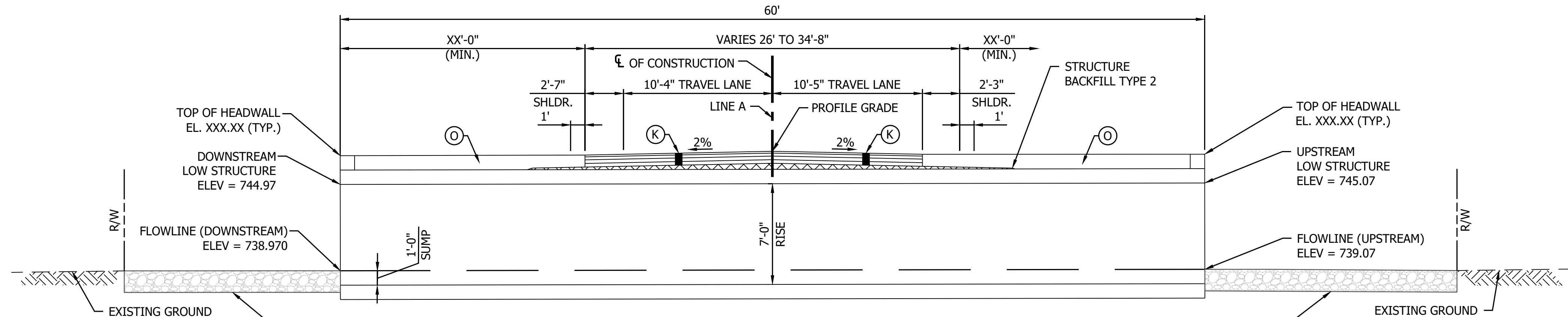
DESIGN DATA
 Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and subsequent interim.

Dead Load increased 35 PSF for Future Wearing Surface.

HYDRAULIC DATA

Drainage Area	= XXX acres
Q100 Discharge	= XX.X cfs
Headwater Elevation at Q100	= XXX.XX ft
Backwater at Q100	= X.XX ft
Velocity at Q100	= X.XX ft/s
Velocity at Q25	= X.XX ft/s
Skew	= X°
Existing Q100 Discharge	= XX
Existing Headwater Elevation at Q100	= XX
Existing Backwater at Q100	= XX
Existing Velocity at Q25	= XX

NOTES:
 Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
 Reinforcement in the Box Culvert Shall be Epoxy Coated.
 Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 53 (XXX Tons) on top of XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)



TYPICAL SECTION
SCALE: 1" = 5'

REINFORCED CONCRETE BOX STRUCTURE
 SPAN: 14'-0"
 RISE: 7'-0"
 SKEW: 35°00'00" RT.
 SR42 over XXXXX LEGAL DRAIN MORGAN COUNTY, INDIANA

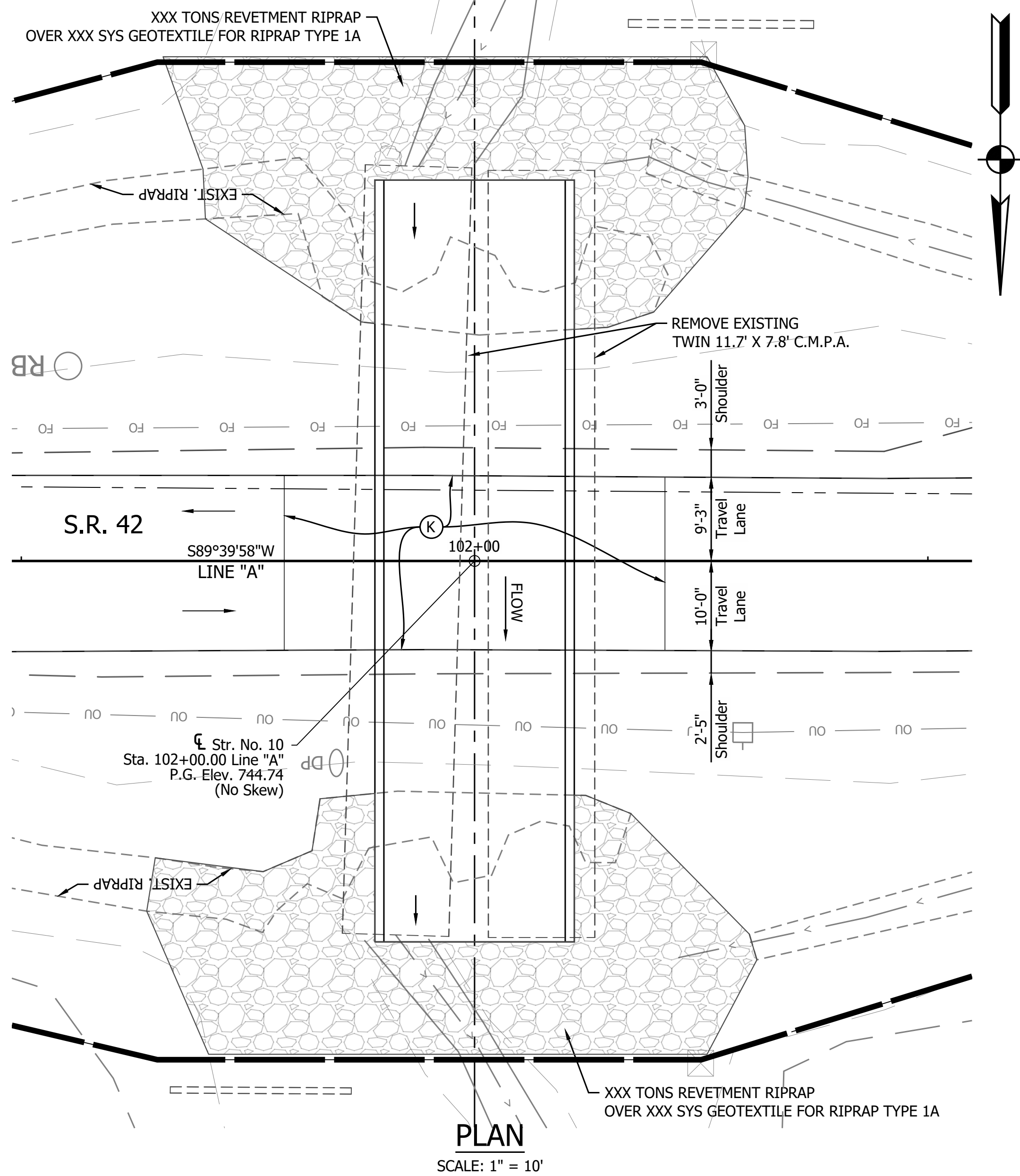
- LEGEND**
- (K) Full Depth HMA for Structure Replacement
 - (O) Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: ---	
CHECKED: LLC	CHECKED: MSS	

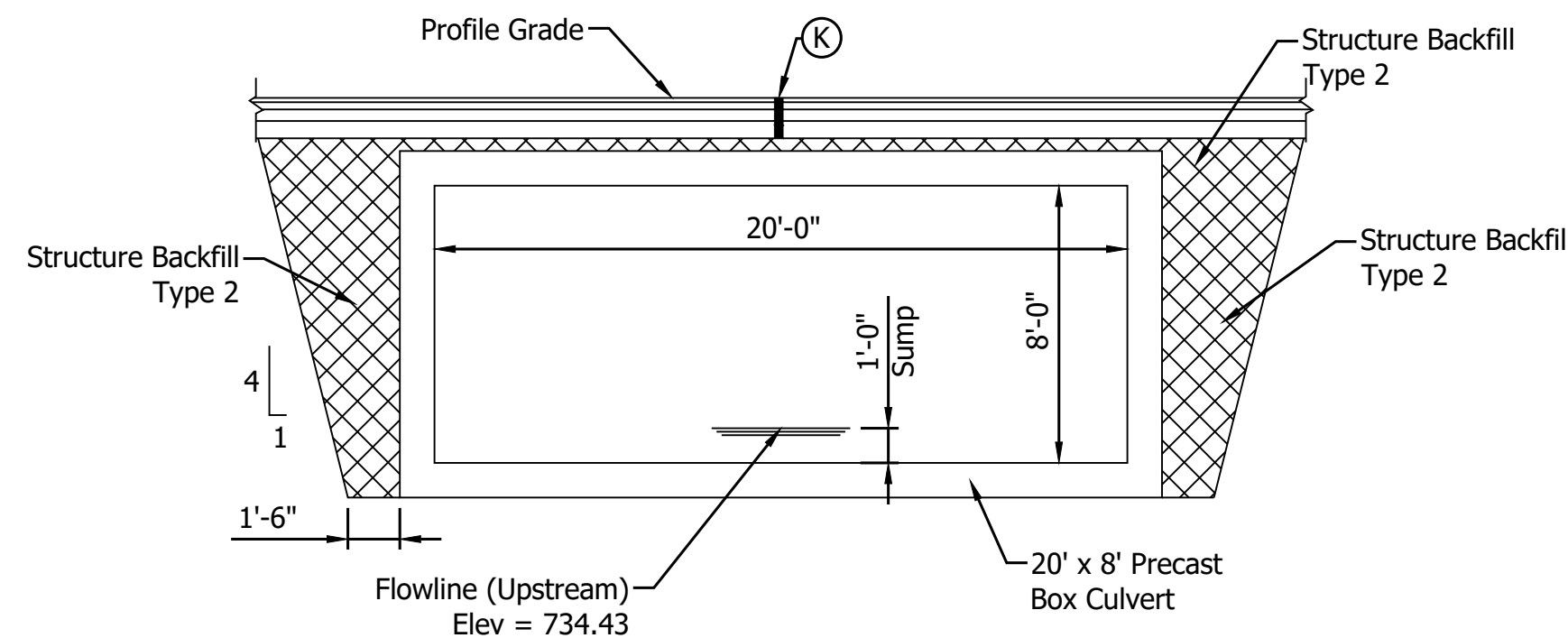
INDIANA
 DEPARTMENT OF TRANSPORTATION
 GENERAL PLAN
 STRUCTURE 7 BOX CULVERT

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	1800121
SURVEY BOOK	SHEET
	76 of 86
CONTRACT	PROJECT
R-40583	1601075

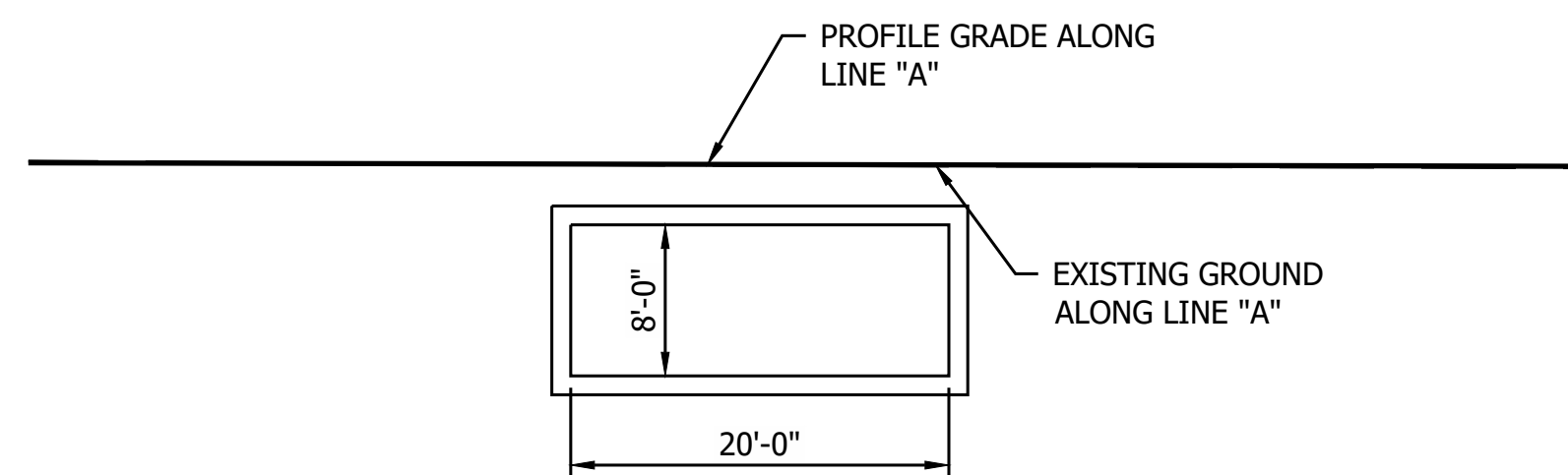
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 EDIT DATE: 4/28/22 11:00 AM
 EDITED BY: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\103 GENERAL PLAN\RD-6P-CULVERT 7.DWG



PLAN
SCALE: 1" = 10'



STRUCTURE BACKFILL AT CULVERT
SCALE: 1" = 5'



ELEVATION
SCALE: 1" = 10'

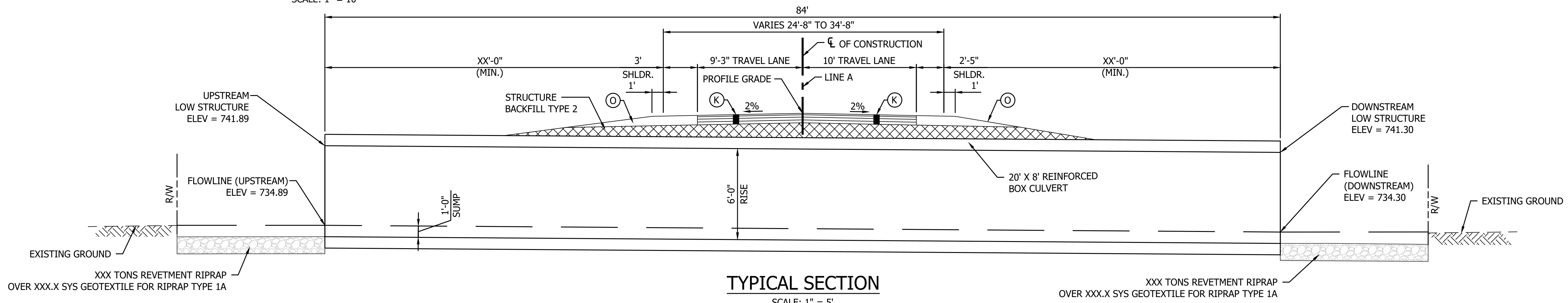
DESIGN DATA
Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and subsequent interim.
Dead Load increased 35 PSF for Future Wearing Surface.

HYDRAULIC DATA

Drainage Area	= 550.7 acres
Q100 Discharge	= 694.17 cfs
Headwater Elevation at Q100	= 740.31 ft
Backwater at Q100	= 1.79 ft
Velocity at Q25	= 7.39 ft/s
Skew	= 0°
Existing Q100 Discharge	= 694.17
Existing Headwater Elevation at Q100	= 740.71
Existing Backwater at Q100	= 2.19
Existing Velocity at Q25	= 6.70

NOTES:
Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
Reinforcement in the Box Culvert Shall be Epoxy Coated.
Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 53 (XXX Tons) on top of XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

REINFORCED CONCRETE BOX STRUCTURE
SPAN: 20'-0"
RISE: 8'-0"
SKEW: 00°00'00" (NO SKEW)
SR42 Over Unnamed Stream MORGAN COUNTY, INDIANA



TYPICAL SECTION
SCALE: 1/4" = 5'

- LEGEND**
- (K) Full Depth HMA for Structure Replacement
 - (O) Compacted Aggregate, No. 53

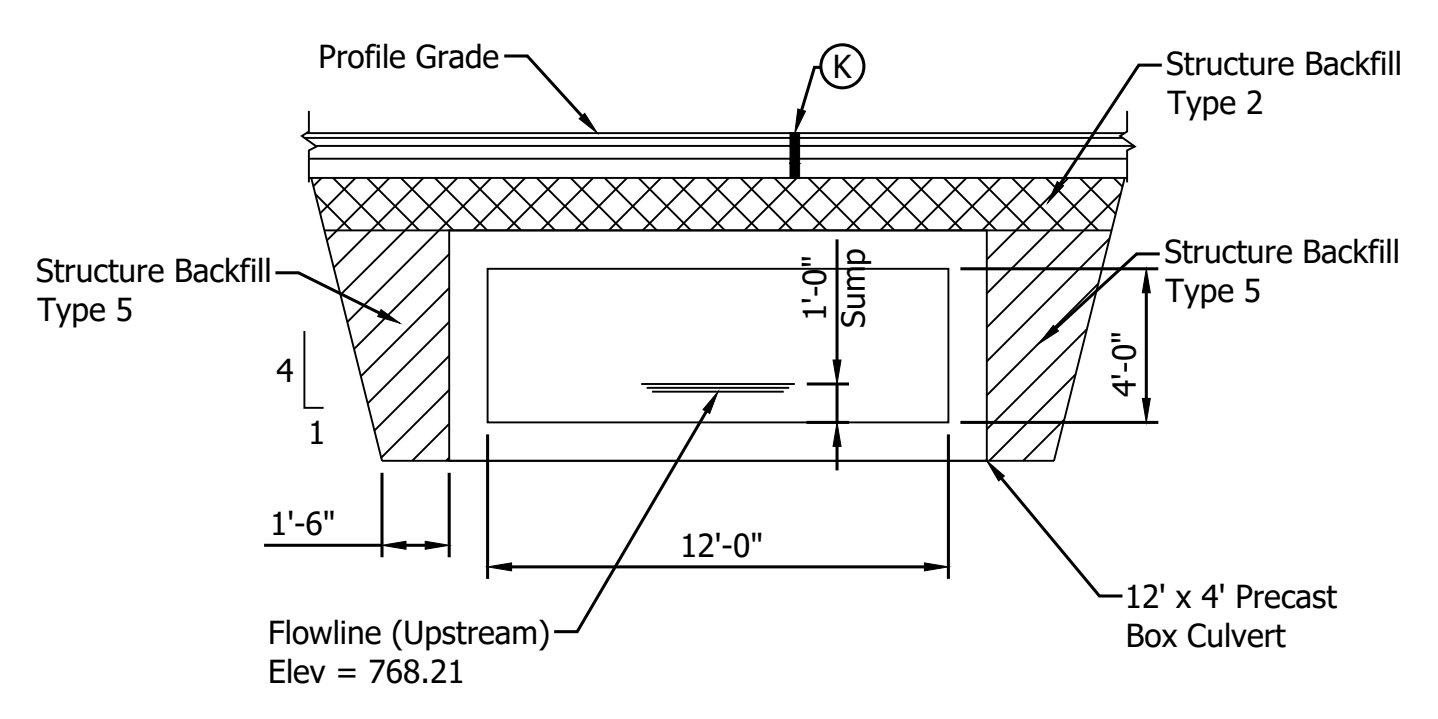
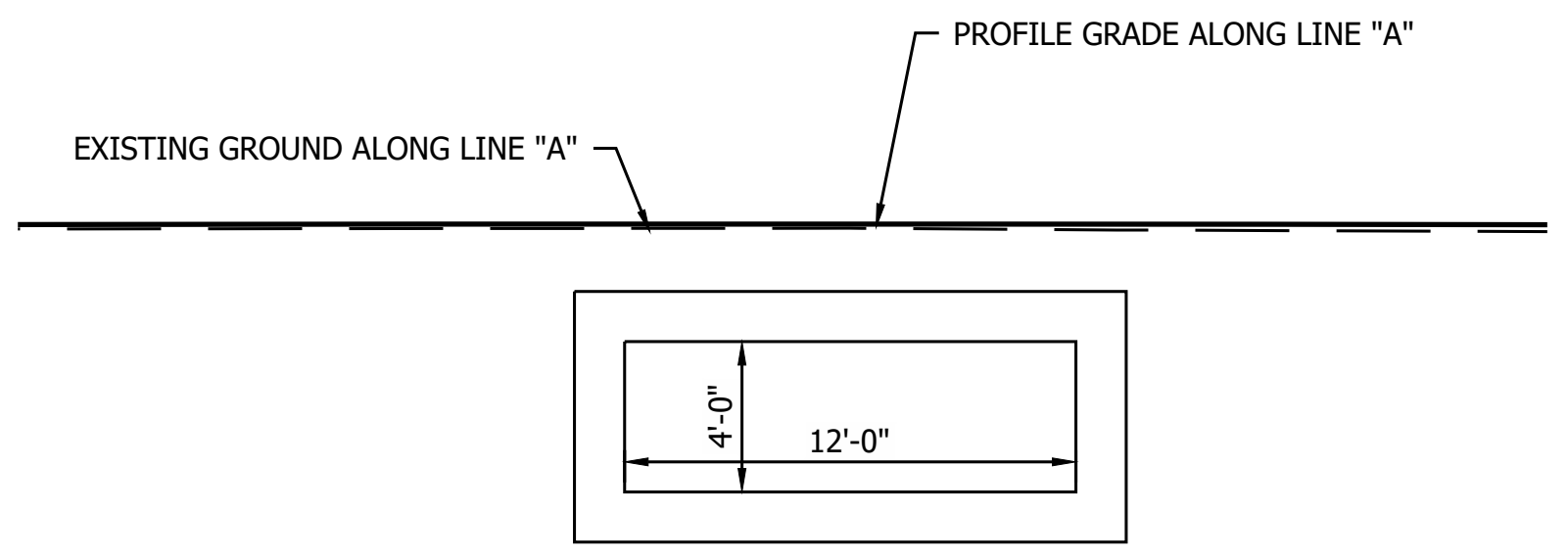
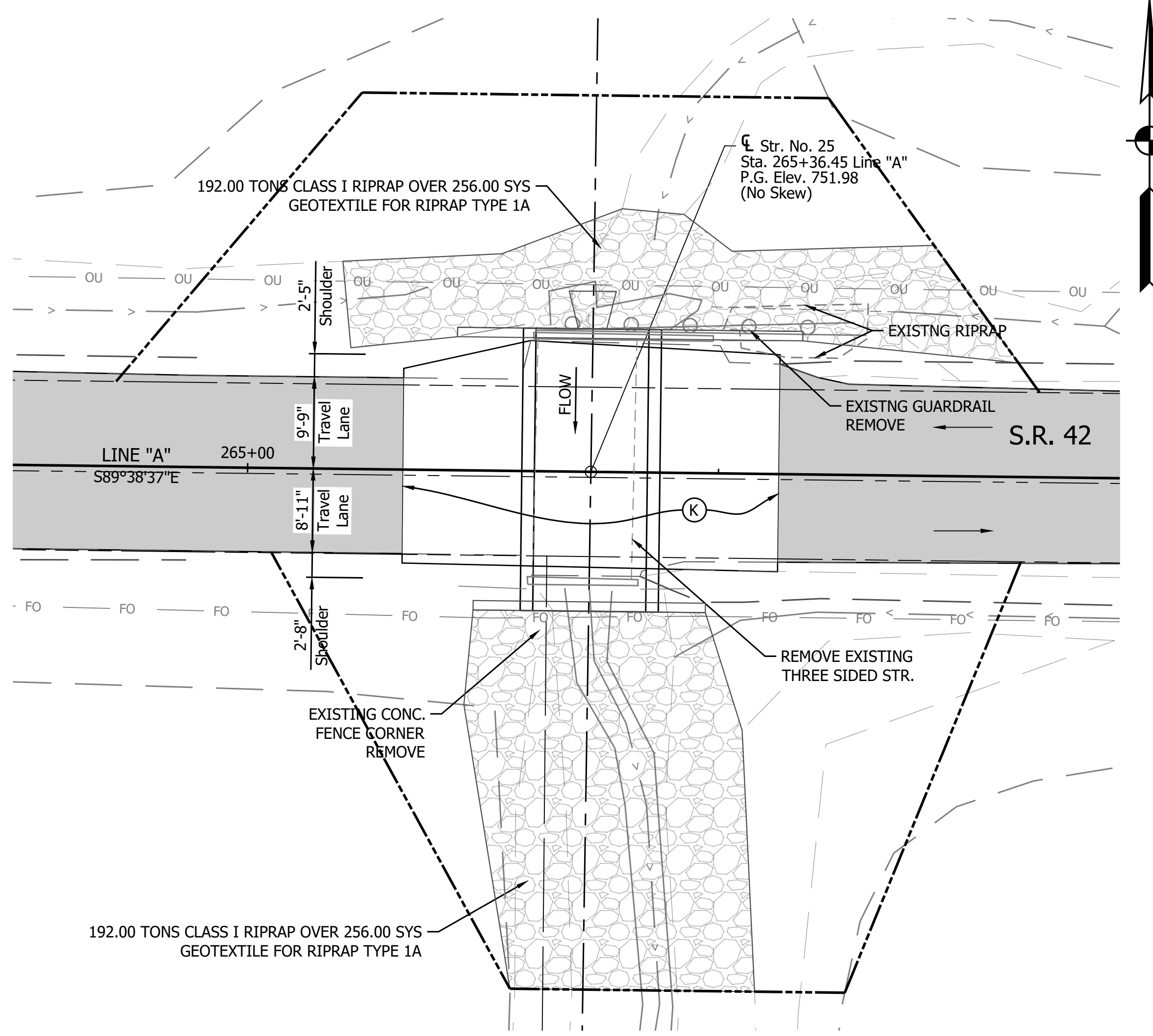
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: CK	
CHECKED: YZ	CHECKED: MRM	

INDIANA DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE 10 BOX CULVERT

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	2001551
SURVEY BOOK	SHEET
	77 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22
PLOT SCALE: 1:1
EDIT DATE: 4/28/22 - 9:27 AM
EDITED BY: MMURRAY
DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\103 GENERAL PLAN\RD-GP-CULVERT 10.DWG



DESIGN DATA
Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and subsequent interim.

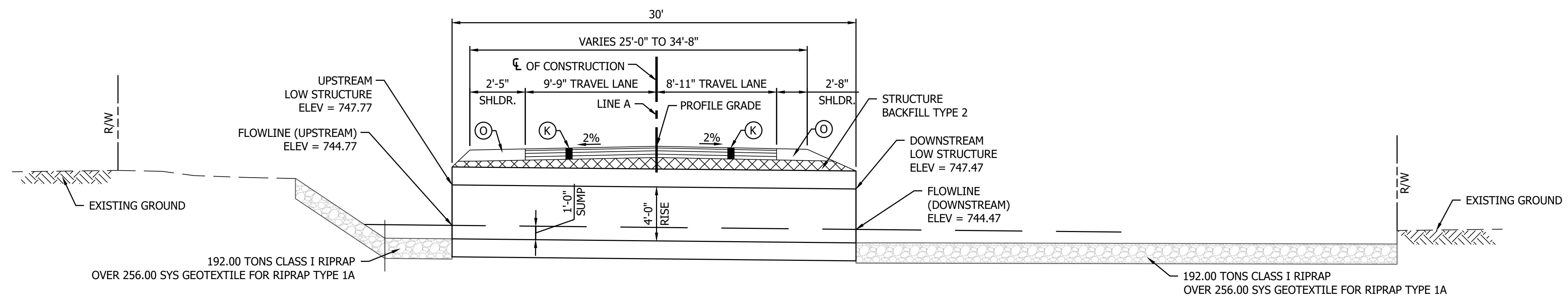
Dead Load increased 35 PSF for Future Wearing Surface.

HYDRAULIC DATA

Drainage Area	= 270.70 acres
Q100 Discharge	= 385.66 cfs
Headwater Elevation at Q100	= 751.20 ft
Backwater at Q100	= 1.66 ft
Velocity at Q25	= 7.08 ft/s
Skew	= 0°
Existing Q100 Discharge	= 385.66 cfs
Existing Headwater Elevation at Q100	= 751.19 ft
Existing Backwater at Q100	= 1.65 ft
Existing Velocity at Q25	= 8.22 ft/s

NOTES:
Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
Reinforcement in the Box Culvert Shall be Epoxy Coated.

REINFORCED CONCRETE BOX STRUCTURE
SPAN: 12'-0"
RISE: 4'-0"
SKEW: 00°00'00" (NO SKEW)



- LEGEND**
- (K) Full Depth HMA for Structure Replacement
 - (O) Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: YZ DRAWN: CK

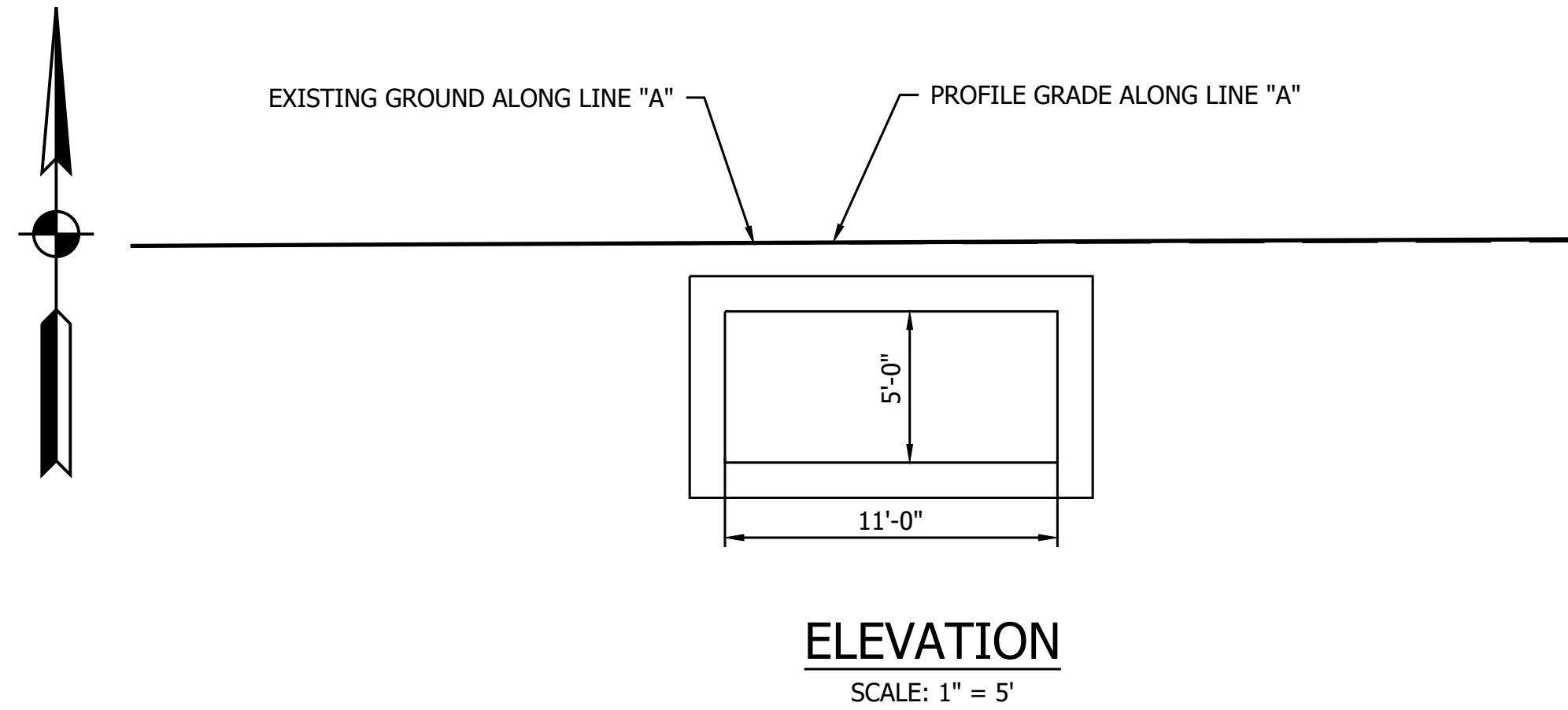
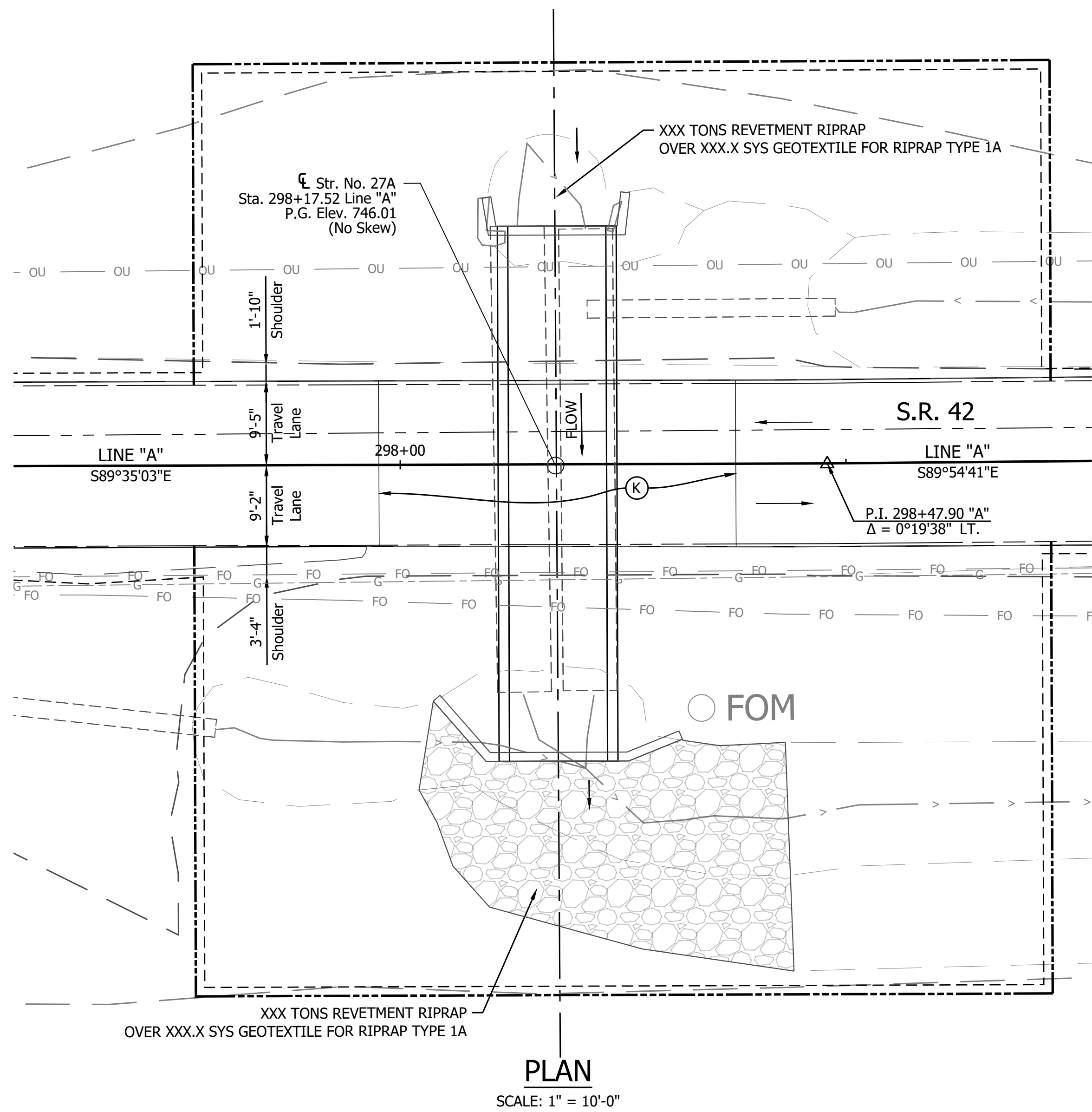
CHECKED: LLC CHECKED: MRM

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE 25 BOX CULVERT

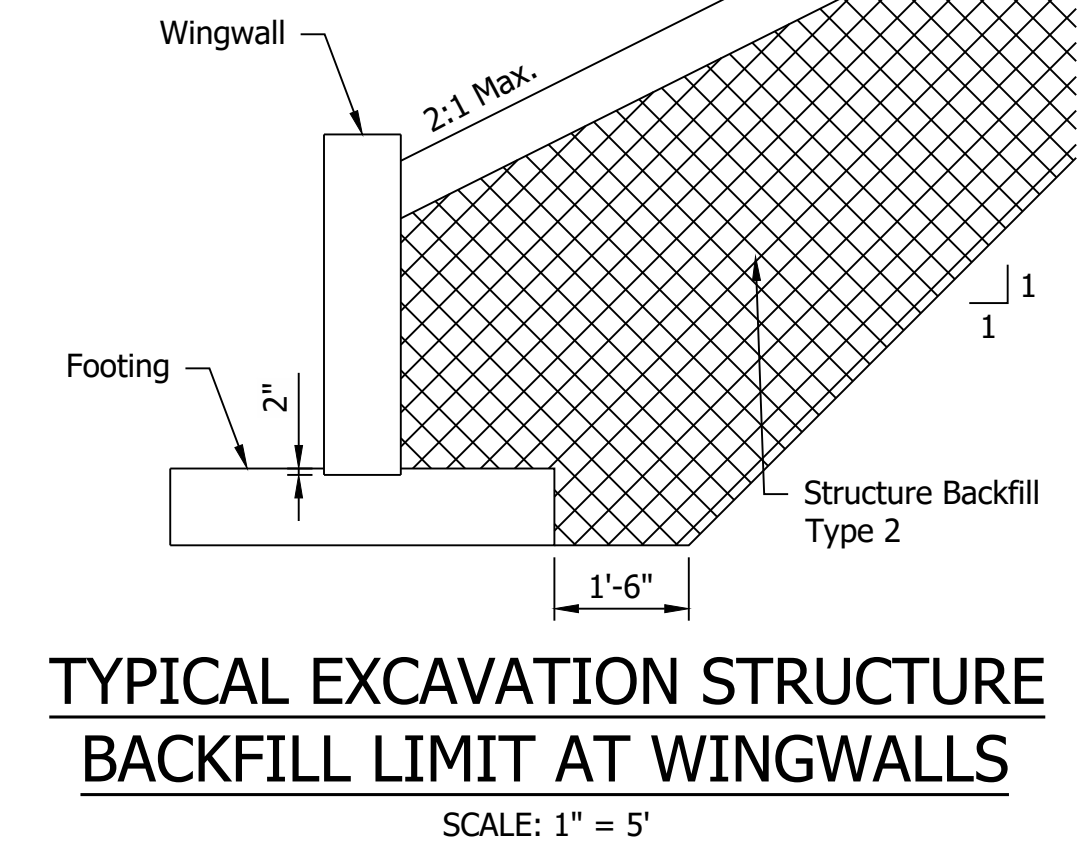
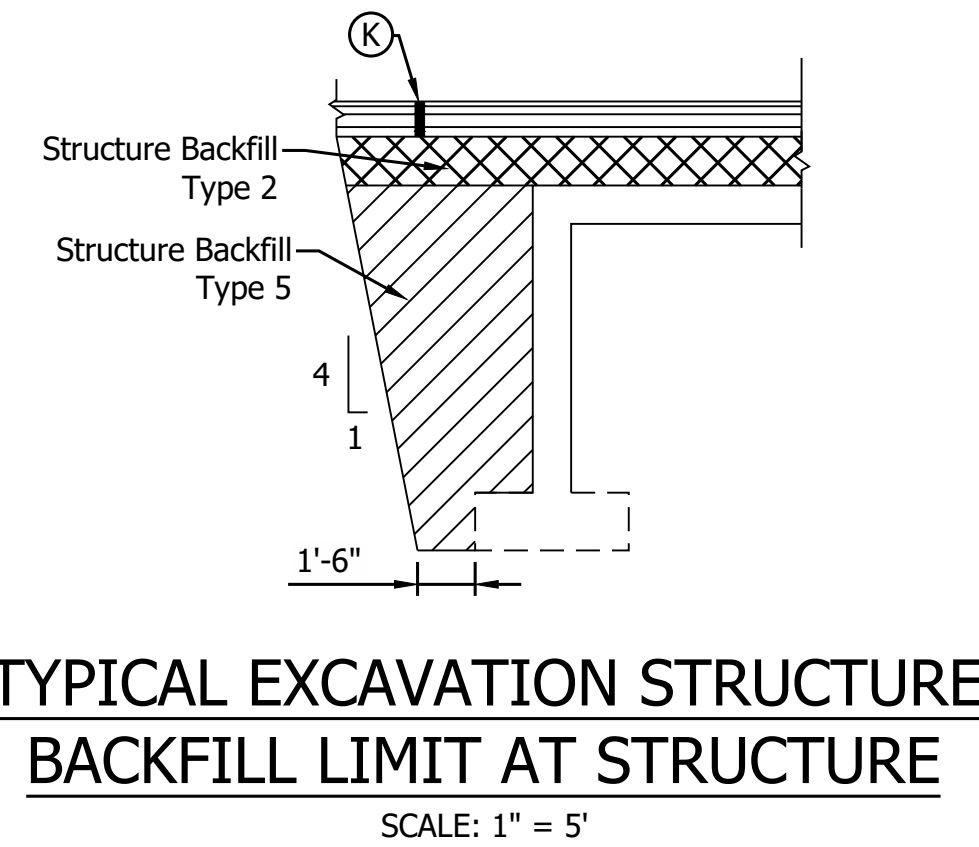
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	1701593
SURVEY BOOK	SHEET
	78 of 86
CONTRACT	PROJECT
RS-40583	1701593

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\103 GENERAL PLAN\RD-GP-CULVERT 25.DWG
 EDITED BY: MMURRAY
 DATE: 5/2/22 - 9:22 AM



WINGWALL TABLE			
Wing	"L"	Top of Wall Elevation	Area of Wingwall
A	XX FT	XXX.XX	XXX.X FT ²
B	XX FT	XXX.XX	XXX.X FT ²
C	XX FT	XXX.XX	XXX.X FT ²
D	XX FT	XXX.XX	XXX.X FT ²
TOTAL WING AREA ***			XXX.X FT ²

*** ASSUMES DOWNSTREAM BOTTOM WING AT ELEV. XXX.XX (X" BELOW TOP OF FOOTING)
 ASSUMES UPSTREAM BOTTOM WING AT ELEV. XXX.XX (X" BELOW TOP OF FOOTING)
 ESTIMATED QUANTITY OF HEADWALLS = XX FT²



SOIL PARAMETERS FOR WINGWALL DESIGN	
X,XXX (B = X ft)	Factored Bearing Resistance (psf)
X,XXX (B = X ft)	
X,XXX (B = X ft)	
X,XXX (B = X ft)	
0.XX	Resistance Factor (φ)
X,XXX (B = X ft)	Nominal Bearing Resistance (psf)
X,XXX (B = X ft)	
X,XXX (B = X ft)	
X,XXX (B = X ft)	
XX	Friction Angle between Wingwall and Structure Backfill (Type II) (δ)
0.X	Friction Factor between Footing and Foundation Soil
XX	Cohesion of Foundation Soil (psf)
XX	Adhesion of Foundation Soil (psf)
XX	Internal Friction Angle of Foundation Soil (φ _b)
XXX	Estimated Unit Weight of Structure Backfill, moist/saturated (pcf)

*Varies depending on width of foundation (B). Interpolation between provided values is permitted

DESIGN DATA
 Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and subsequent interim.

Dead Load increased 35 PSF for Future Wearing Surface.

HYDRAULIC DATA

Drainage Area = XX acres

Q100 Discharge = XX.X cfs

Headwater Elevation at Q100 = XXX.XX ft

Backwater at Q100 = X.XX ft

Velocity at Q100 = X.XX ft/s

Velocity at Q25 = X.XX ft/s

Skew = X°

Existing Q100 Discharge = XX

Existing Headwater Elevation at Q100 = XX

Existing Backwater at Q100 = XX

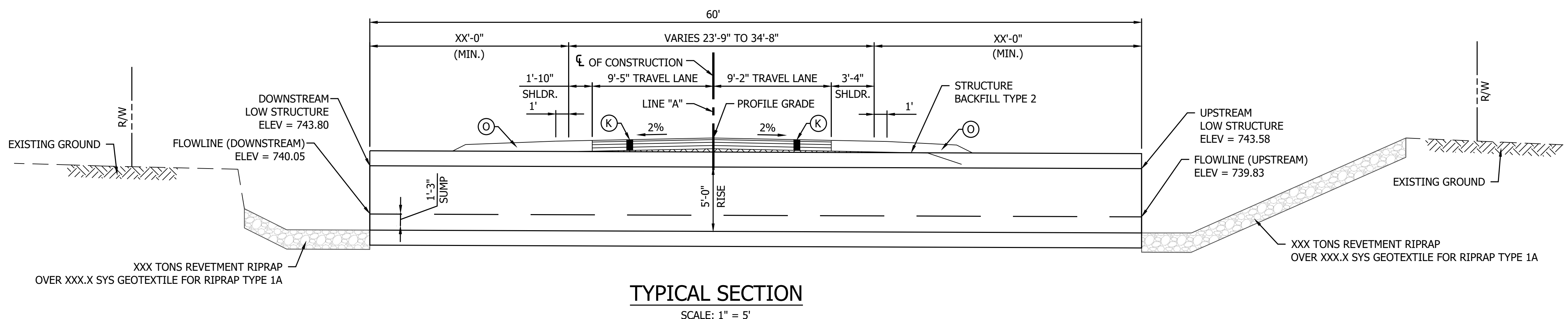
Existing Velocity at Q25 = XX

NOTES:

Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.

Reinforcement in the Box Culvert Shall be Epoxy Coated.

Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 53 (XXX Tons) on top of XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)



REINFORCED CONCRETE BOX STRUCTURE
 SPAN: 11'-0"
 RISE: 5'-0"
 SKEW: 00°00'00" (NO SKEW)
 SR42 over XXXXX LEGAL DRAIN MORGAN COUNTY, INDIANA

- LEGEND**
- (K) Full Depth HMA for Structure Replacement
 - (O) Compacted Aggregate, No. 53

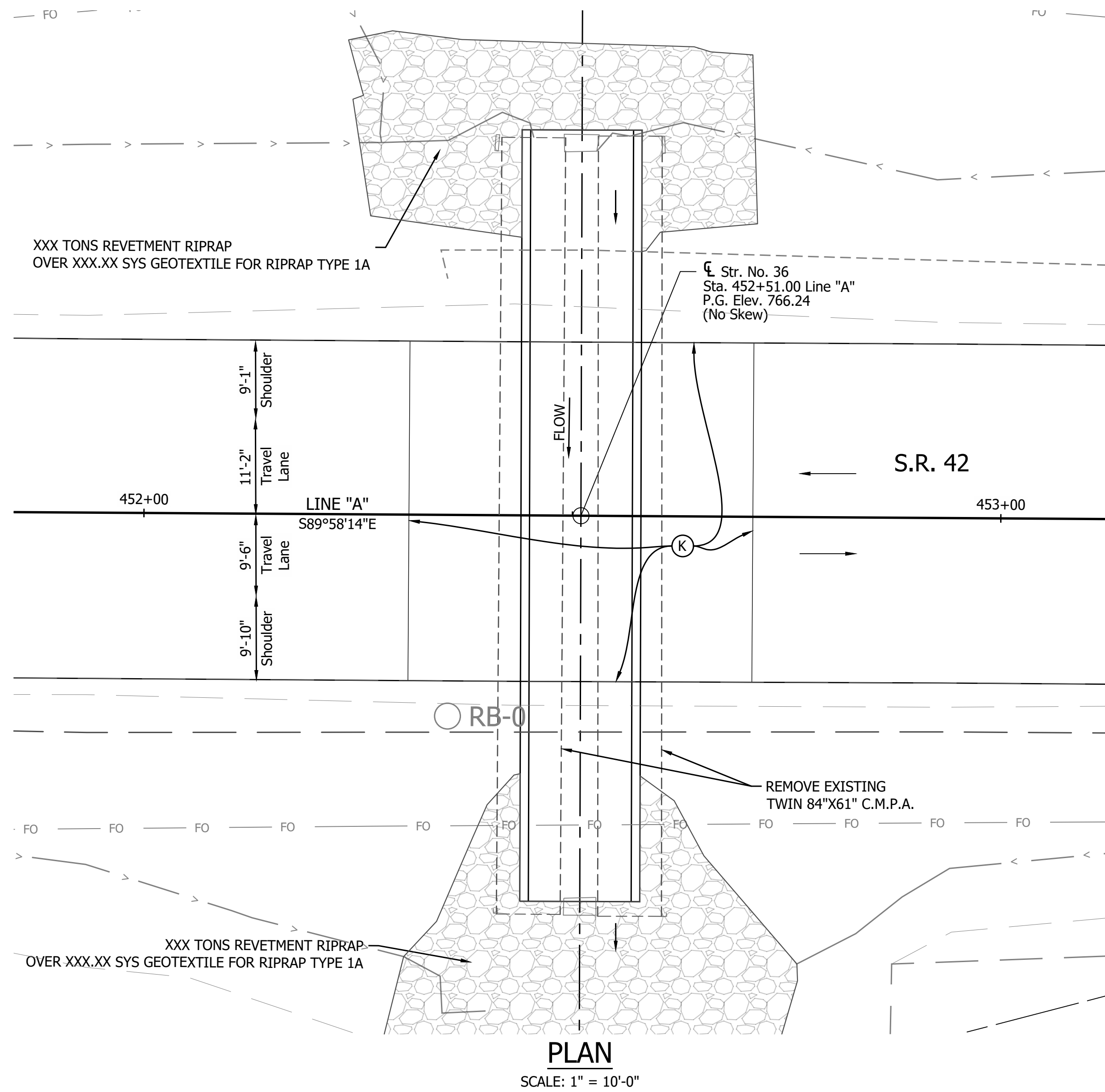
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: CK	
CHECKED: YZ	CHECKED: MRM	

INDIANA
 DEPARTMENT OF TRANSPORTATION

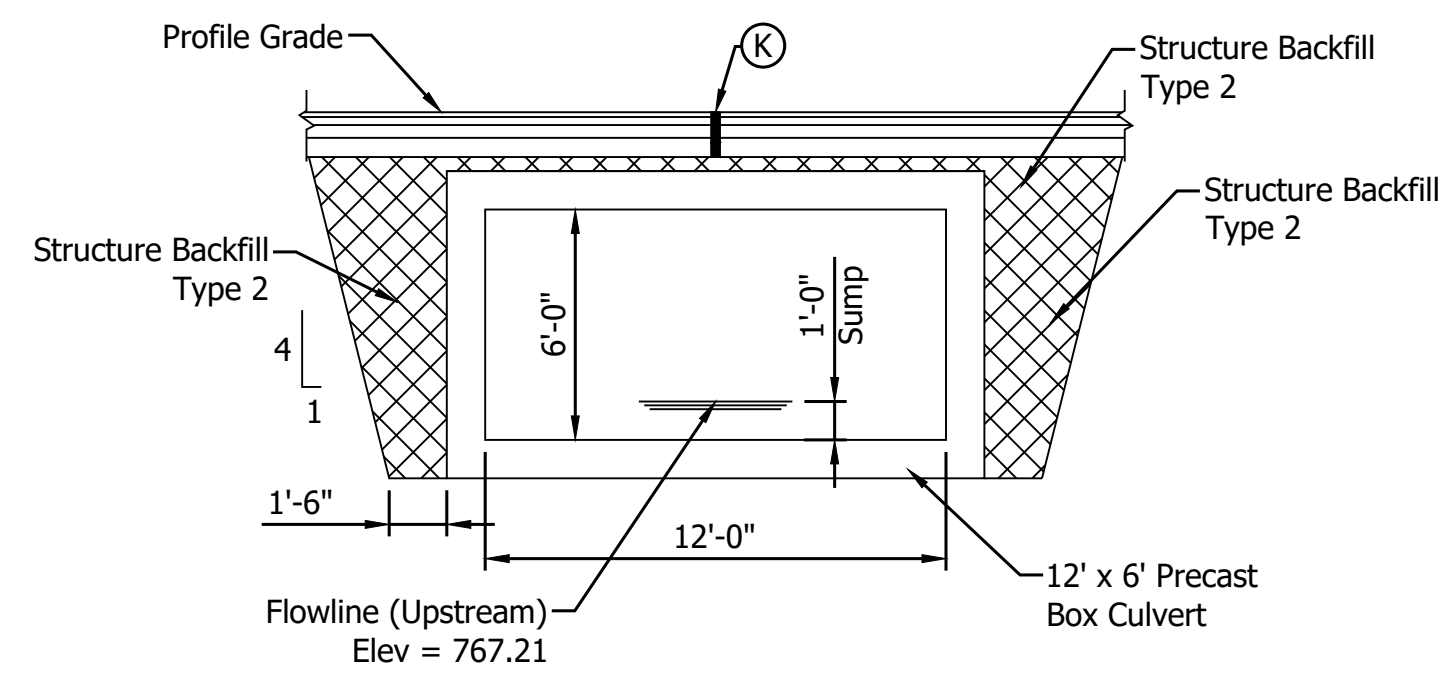
GENERAL PLAN
 STRUCTURE 27A BOX CULVERT

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	200154
SURVEY BOOK	SHEET
	79 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 EDIT DATE: 5/2/22 - 9:22 AM
 EDITED BY: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\103 GENERAL PLAN\RD-GP-CULVERT 27A.DWG



PLAN
SCALE: 1" = 10'-0"



STRUCTURE BACKFILL AT CULVERT
SCALE: 1" = 5'

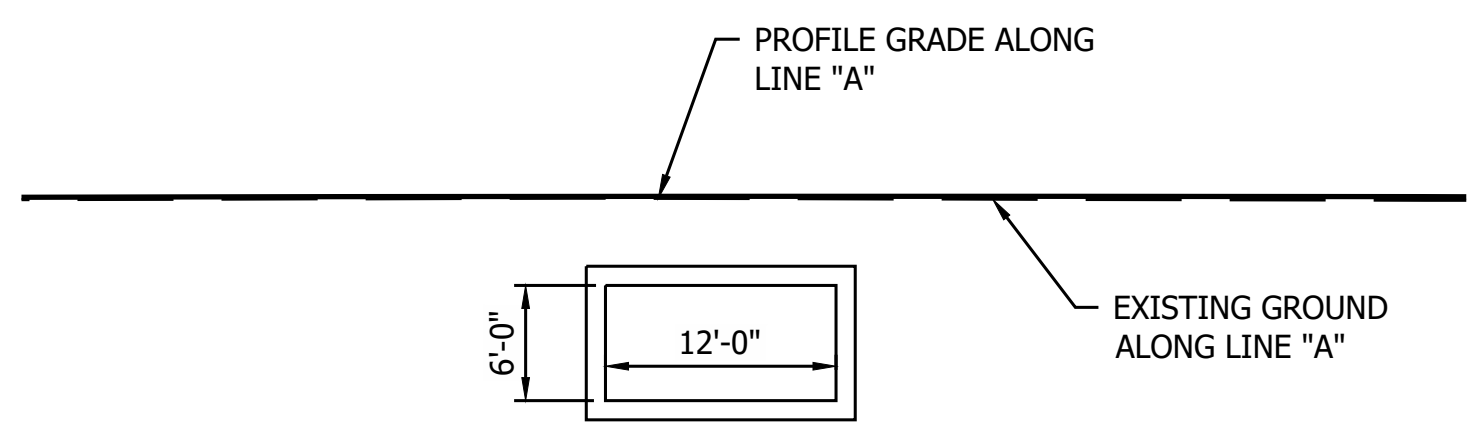
DESIGN DATA
Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and subsequent interim.

Dead Load increased 35 PSF for Future Wearing Surface.

HYDRAULIC DATA

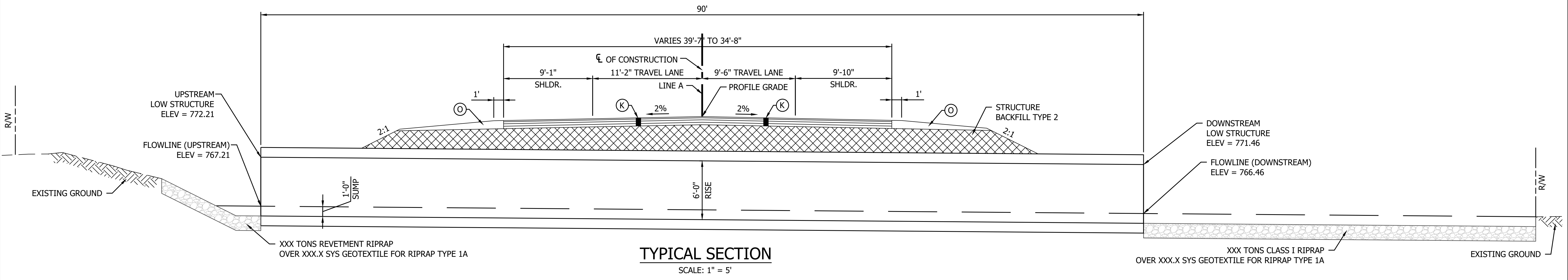
Drainage Area	= 178.8 acres
Q100 Discharge	= 313.44 cfs
Headwater Elevation at Q100	= 771.93 ft
Backwater at Q100	= 1.69 ft
Velocity at Q25	= 7.08 ft/s
Skew	= 0°
Existing Q100 Discharge	= 313.44
Existing Headwater Elevation at Q100	= 772.22
Existing Backwater at Q100	= 1.98
Existing Velocity at Q25	= 6.85

NOTES:
Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
Reinforcement in the Box Culvert Shall be Epoxy Coated.
Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 53 (XXX Tons) on top of XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)



ELEVATION
SCALE: 1" = 10'

REINFORCED CONCRETE BOX STRUCTURE
SPAN: 12'-0"
RISE: 6'-0"
SKEW: 00°00'00" (NO SKEW)
SR42 over XXXXX LEGAL DRAIN MORGAN COUNTY, INDIANA



TYPICAL SECTION
SCALE: 1" = 5'

- LEGEND**
- (K) Full Depth HMA for Structure Replacement
 - (O) Compacted Aggregate, No. 53

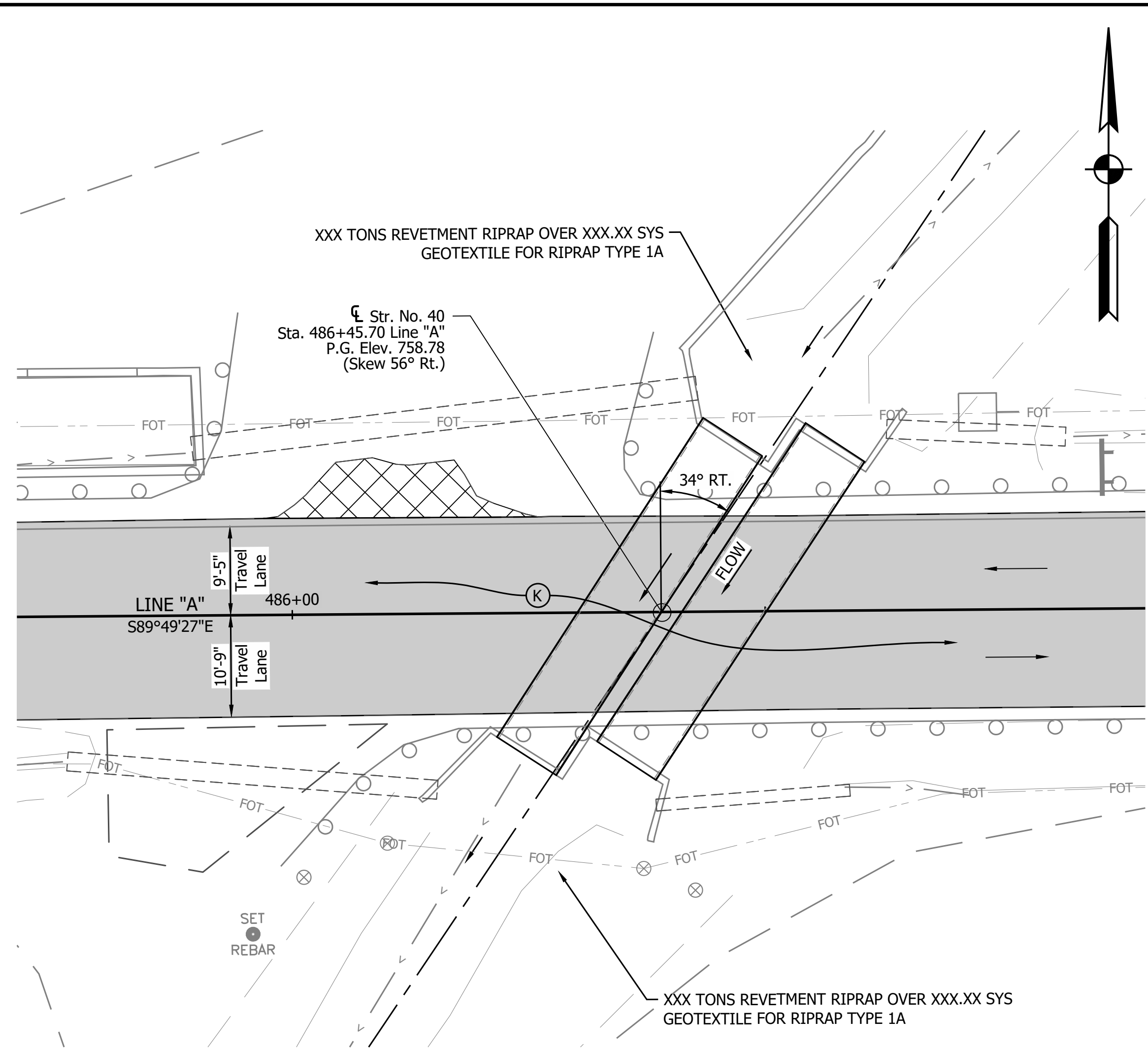
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: YZ	DRAWN: CK	
CHECKED: YZ	CHECKED: MRM	

INDIANA
DEPARTMENT OF TRANSPORTATION

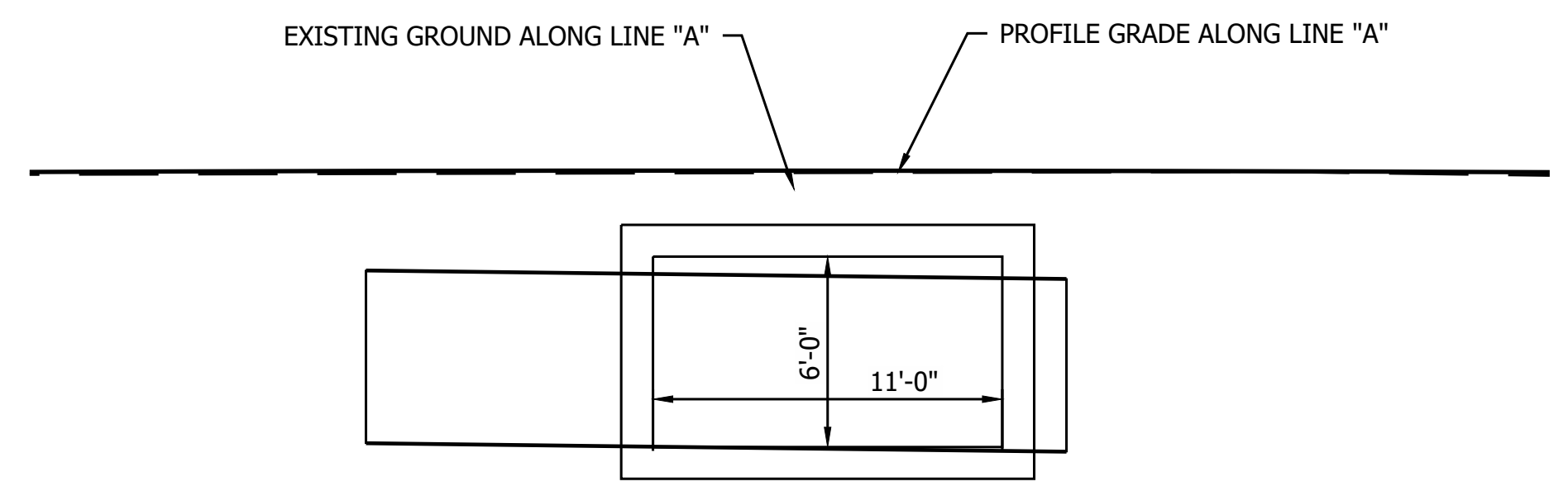
GENERAL PLAN
STRUCTURE 36 BOX CULVERT

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	2001558
SURVEY BOOK	SHEET
	80 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22 PLOT SCALE: 1:1 EDIT DATE: 5/2/22 - 2:26 PM EDITED BY: MMURRAY DRAWING FILE: P:\19-500-008-1 SR 42 HMA OVERLAY\ACAD\103 GENERAL PLAN\RD-GP-CULVERT 36.DWG



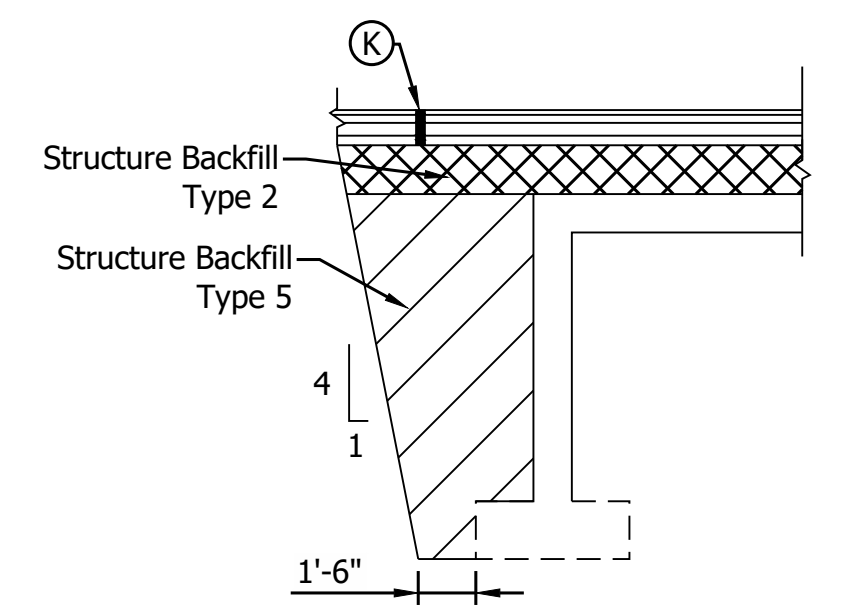
PLAN
SCALE: 1" = 10'-0"



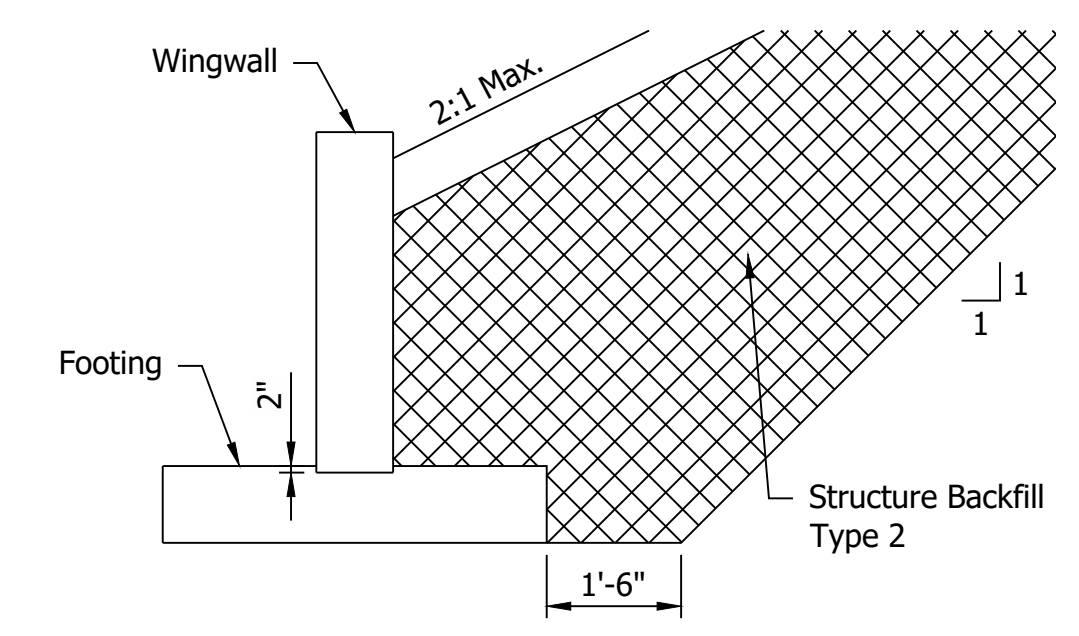
ELEVATION
SCALE: 1" = 5'

WINGWALL TABLE			
Wing	"L"	Top of Wall Elevation	Area of Wingwall
A	XX FT	XXX.XX	XXX.X FT ²
B	XX FT	XXX.XX	XXX.X FT ²
C	XX FT	XXX.XX	XXX.X FT ²
D	XX FT	XXX.XX	XXX.X FT ²
TOTAL WING AREA ***			XXX.X FT ²

*** ASSUMES DOWNSTREAM BOTTOM WING AT ELEV. XXX.XX (X" BELOW TOP OF FOOTING)
ASSUMES UPSTREAM BOTTOM WING AT ELEV. XXX.XX (X" BELOW TOP OF FOOTING)
ESTIMATED QUANTITY OF HEADWALLS = XX FT²



TYPICAL EXCAVATION STRUCTURE BACKFILL LIMIT AT STRUCTURE
SCALE: 1" = 5'



TYPICAL EXCAVATION STRUCTURE BACKFILL LIMIT AT WINGWALLS
SCALE: 1" = 5'

SOIL PARAMETERS FOR WINGWALL DESIGN	
X,XXX (B = X ft)	Factored Bearing Resistance (psf)
X,XXX (B = X ft)	
X,XXX (B = X ft)	
X,XXX (B = X ft)	
0.XX	Resistance Factor (ϕ)
X,XXX (B = X ft)	Nominal Bearing Resistance (psf)
X,XXX (B = X ft)	
X,XXX (B = X ft)	
X,XXX (B = X ft)	
XX	Friction Angle between Wingwall and Structure Backfill (Type II) (δ)
0.X	Friction Factor between Footing and Foundation Soil
XX	Cohesion of Foundation Soil (psf)
XX	Adhesion of Foundation Soil (psf)
XX	Internal Friction Angle of Foundation Soil (ϕ_b)
XXX	Estimated Unit Weight of Structure Backfill, moist/saturated (pcf)

*Varies depending on width of foundation (B). Interpolation between provided values is permitted

DESIGN DATA

Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and subsequent interim.

Dead Load increased 35 PSF for Future Wearing Surface.

HYDRAULIC DATA

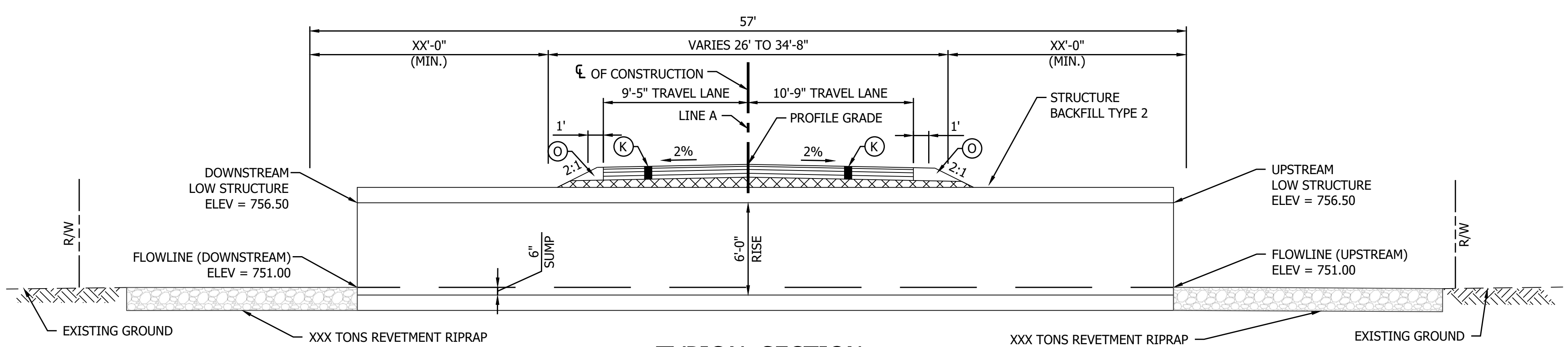
- Drainage Area = XXX acres
- Q100 Discharge = XX.X cfs
- Headwater Elevation at Q100 = XXX.XX ft
- Backwater at Q100 = X.XX ft
- Velocity at Q100 = X.XX ft/s
- Velocity at Q25 = X.XX ft/s
- Skew = X°
- Existing Q100 Discharge = XX
- Existing Headwater Elevation at Q100 = XX
- Existing Backwater at Q100 = XX
- Existing Velocity at Q25 = XX

NOTES:

- Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
- Reinforcement in the Box Culvert Shall be Epoxy Coated.
- Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 53 (XXX Tons) on top of XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

REINFORCED CONCRETE BOX STRUCTURE

SPAN: 11'-0"
RISE: 6'-0"
SKEW: 34°00'00" RT.
SR42 over XXXXX LEGAL DRAIN MORGAN COUNTY, INDIANA



TYPICAL SECTION
SCALE: 1" = 5'-0"

*All Measured Perpendicular to Roadway

- LEGEND**
- (K) Full Depth HMA for Structure Replacement
 - (O) Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: ---	
CHECKED: LLC	CHECKED: MSS	

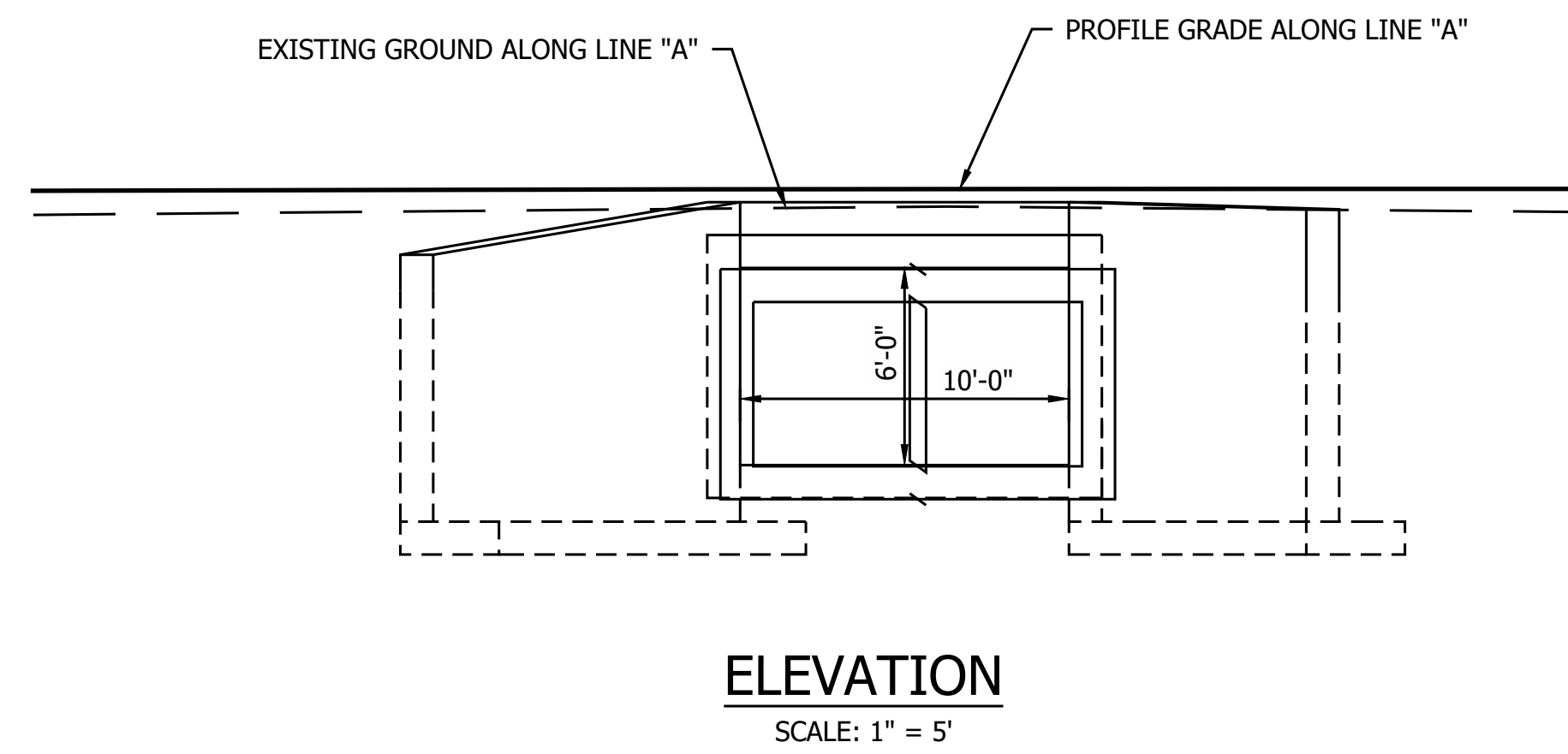
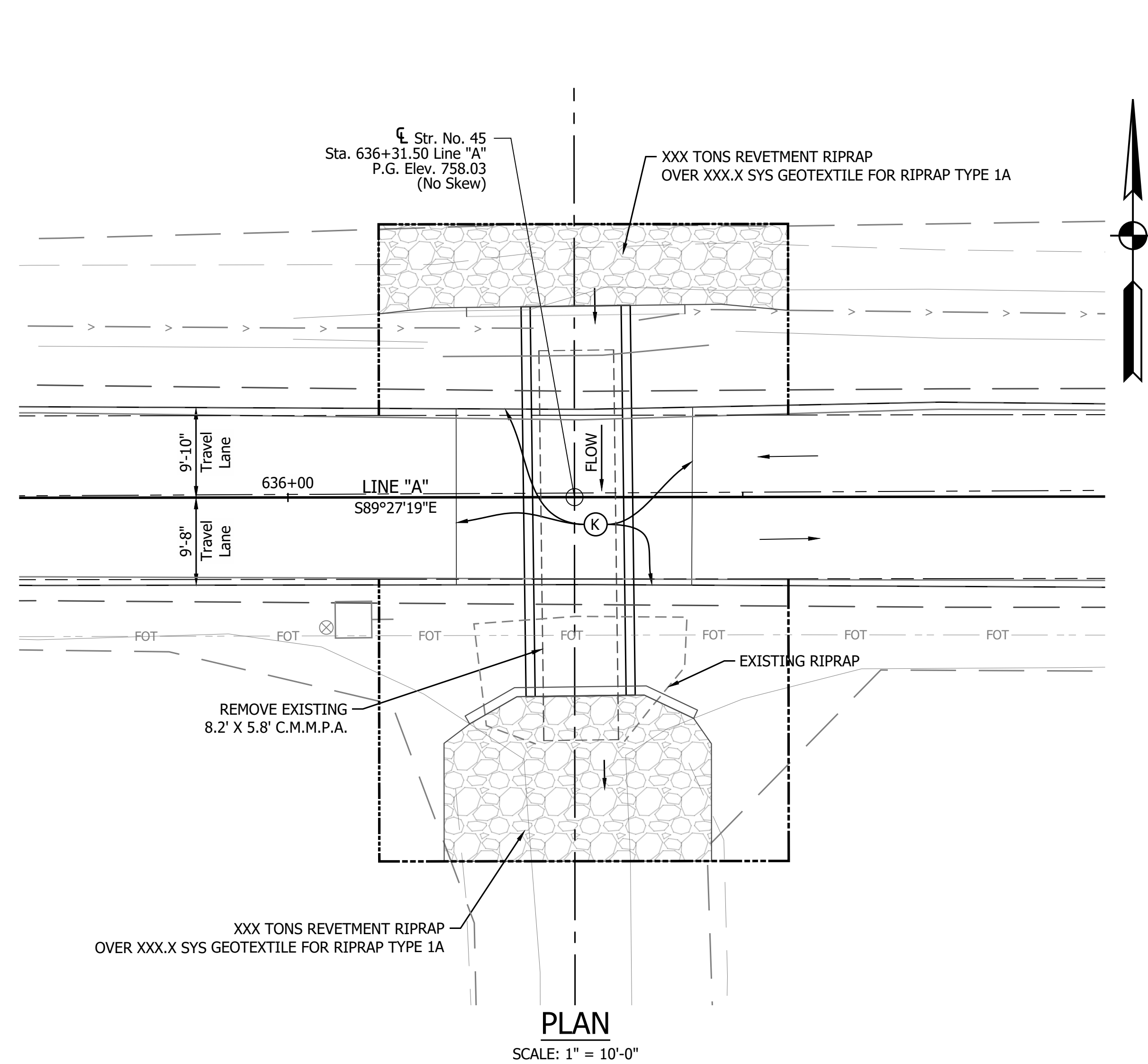
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE 40 BOX CULVERT

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	1800122
SURVEY BOOK	SHEET
	81 of 86
CONTRACT	PROJECT
R-40583	1601075

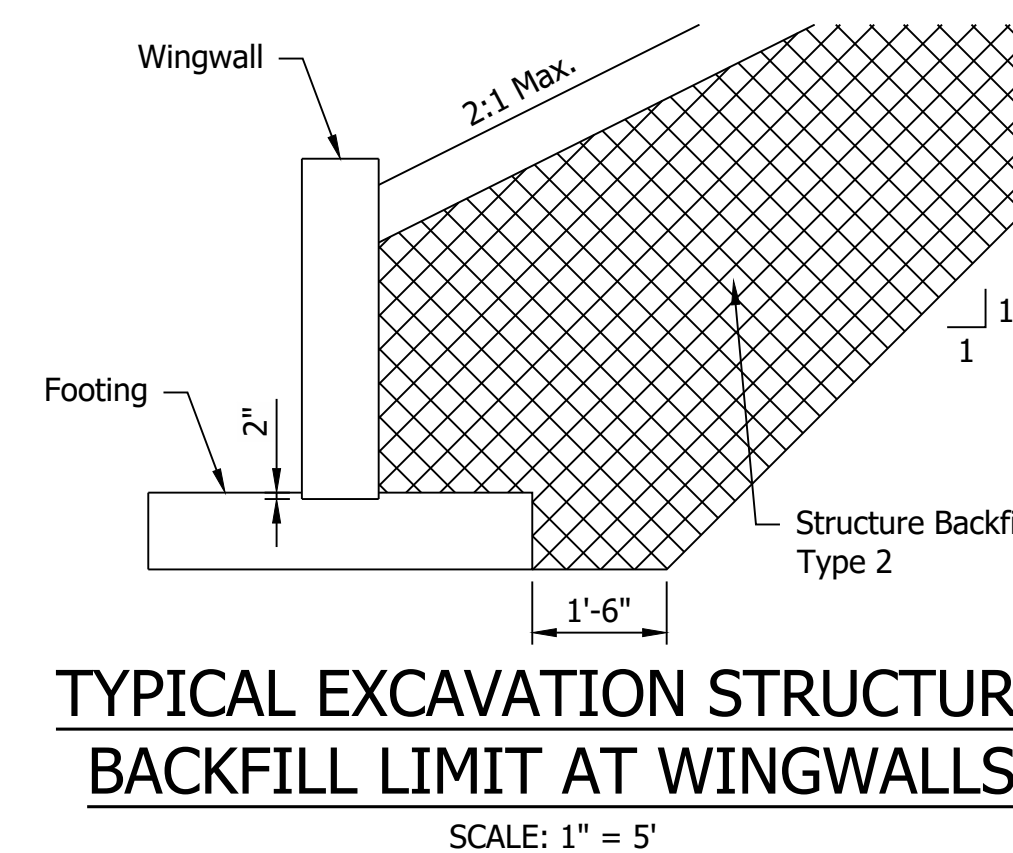
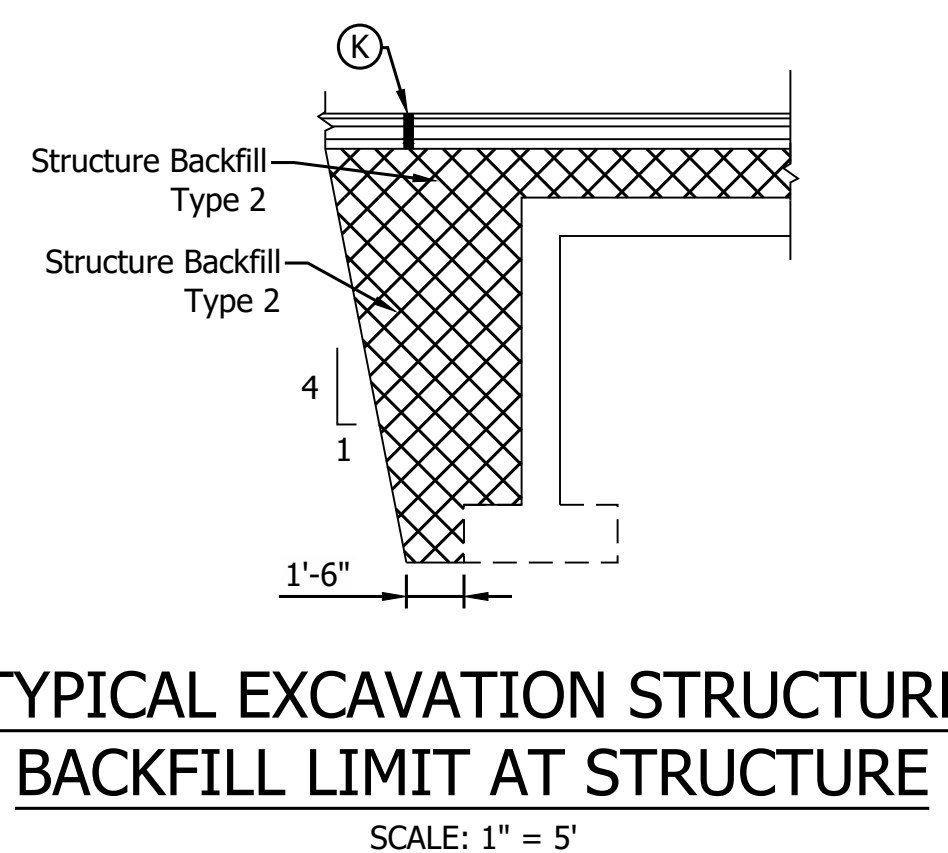
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 EDITED BY: MMURRAY
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\03 GENERAL PLAN\RD-GP-CULVERT-40.DWG

PRINT DATE: 5/2/22
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WINGWALL TABLE			
Wing	"L"	Top of Wall Elevation	Area of Wingwall
A	XX FT	XXX.XX	XXX.X FT ²
B	XX FT	XXX.XX	XXX.X FT ²
C	XX FT	XXX.XX	XXX.X FT ²
D	XX FT	XXX.XX	XXX.X FT ²
TOTAL WING AREA ***			XXX.X FT ²

*** ASSUMES DOWNSTREAM BOTTOM WING AT ELEV. XXX.XX
 (X" BELOW TOP OF FOOTING)
 ASSUMES UPSTREAM BOTTOM WING AT ELEV. XXX.XX
 (X" BELOW TOP OF FOOTING)
 ESTIMATED QUANTITY OF HEADWALLS = XX FT²



SOIL PARAMETERS FOR WINGWALL DESIGN	
X,XXX (B = X ft)	Factored Bearing Resistance (psf)
X,XXX (B = X ft)	
X,XXX (B = X ft)	
X,XXX (B = X ft)	
0.XX	Resistance Factor (ϕ)
X,XXX (B = X ft)	Nominal Bearing Resistance (psf)
X,XXX (B = X ft)	
X,XXX (B = X ft)	
X,XXX (B = X ft)	
XX	Friction Angle between Wingwall and Structure Backfill (Type II) (δ)
0.X	Friction Factor between Footing and Foundation Soil
XX	Cohesion of Foundation Soil (psf)
XX	Adhesion of Foundation Soil (psf)
XX	Internal Friction Angle of Foundation Soil (ϕ_b)
XXX	Estimated Unit Weight of Structure Backfill, moist/saturated (pcf)

*Varies depending on width of foundation (B). Interpolation between provided values is permitted

DESIGN DATA

Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and subsequent interim.

Dead Load increased 35 PSF for Future Wearing Surface.

HYDRAULIC DATA

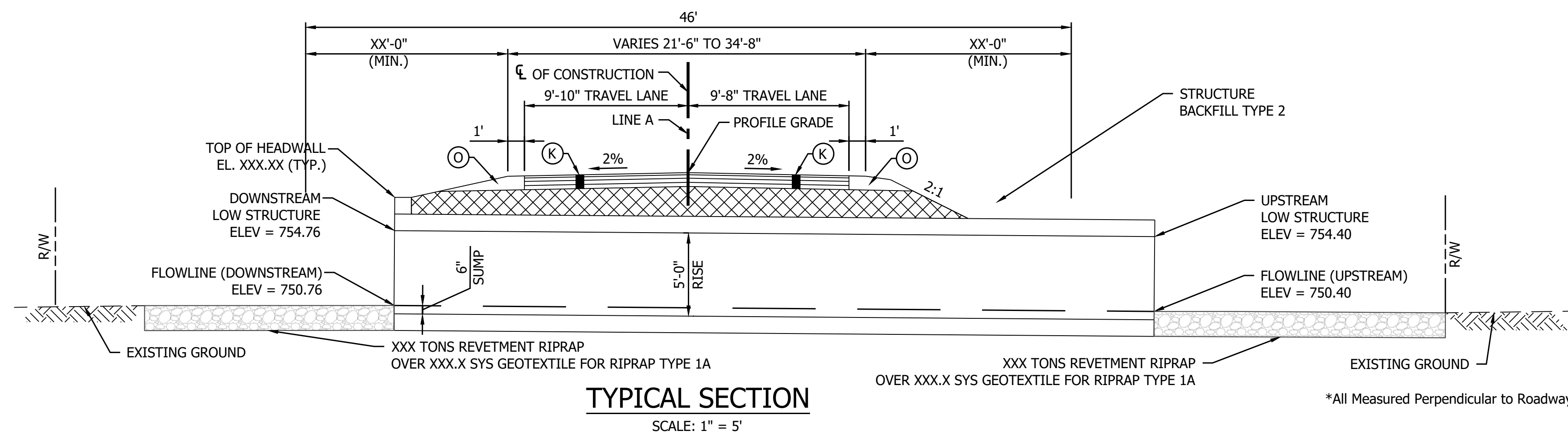
Drainage Area	= XX acres
Q100 Discharge	= XX.X cfs
Headwater Elevation at Q100	= XXX.XX ft
Backwater at Q100	= X.XX ft
Velocity at Q100	= X.XX ft/s
Velocity at Q25	= X.XX ft/s
Skew	= X°
Existing Q100 Discharge	= XX
Existing Headwater Elevation at Q100	= XX
Existing Backwater at Q100	= XX
Existing Velocity at Q25	= XX

NOTES:

Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.

Reinforcement in the Box Culvert Shall be Epoxy Coated.

Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 53 (XXX Tons) on top of XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)



REINFORCED CONCRETE BOX STRUCTURE

SPAN: 10'-0"
 RISE: 6'-0"
 SKEW: 00°00'00" (NO SKEW)
 SR42 over XXXXX LEGAL DRAIN MORGAN COUNTY, INDIANA

LEGEND

- (K) Full Depth HMA for Structure Replacement
- (O) Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER DATE

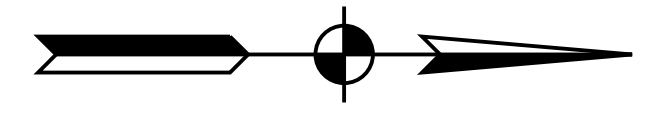
DESIGNED: YZ DRAWN: CK

CHECKED: YZ CHECKED: MRM

INDIANA
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
 STRUCTURE 45 BOX CULVERT

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	2001559
SURVEY BOOK	SHEET
	82 of 86
CONTRACT	PROJECT
R-40583	1601075



Note:
Where pump around or dewatering activities are outlet into a roadside ditch a sediment trap shall be required.

Note:
Where a ditch ties into the dewatering area, an additional pump shall be required.

① Down station outlet condition

③ Up station outlet condition

LINE "A"
N0°27'40"E

S.R. 42

Begin Full Depth Pavement

End Full Depth Pavement

Mill and Resurface

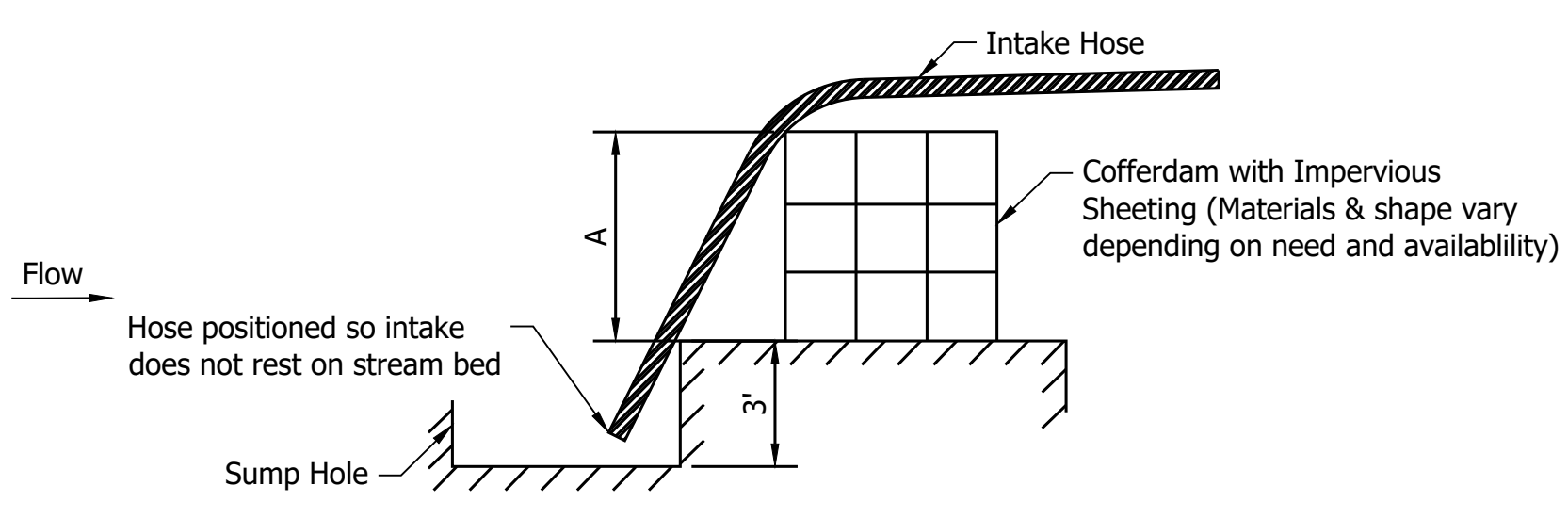
Note:
Where there is sheet flow from roadway filter sock located at the toe of slope shall be required.

④ Up station inlet condition

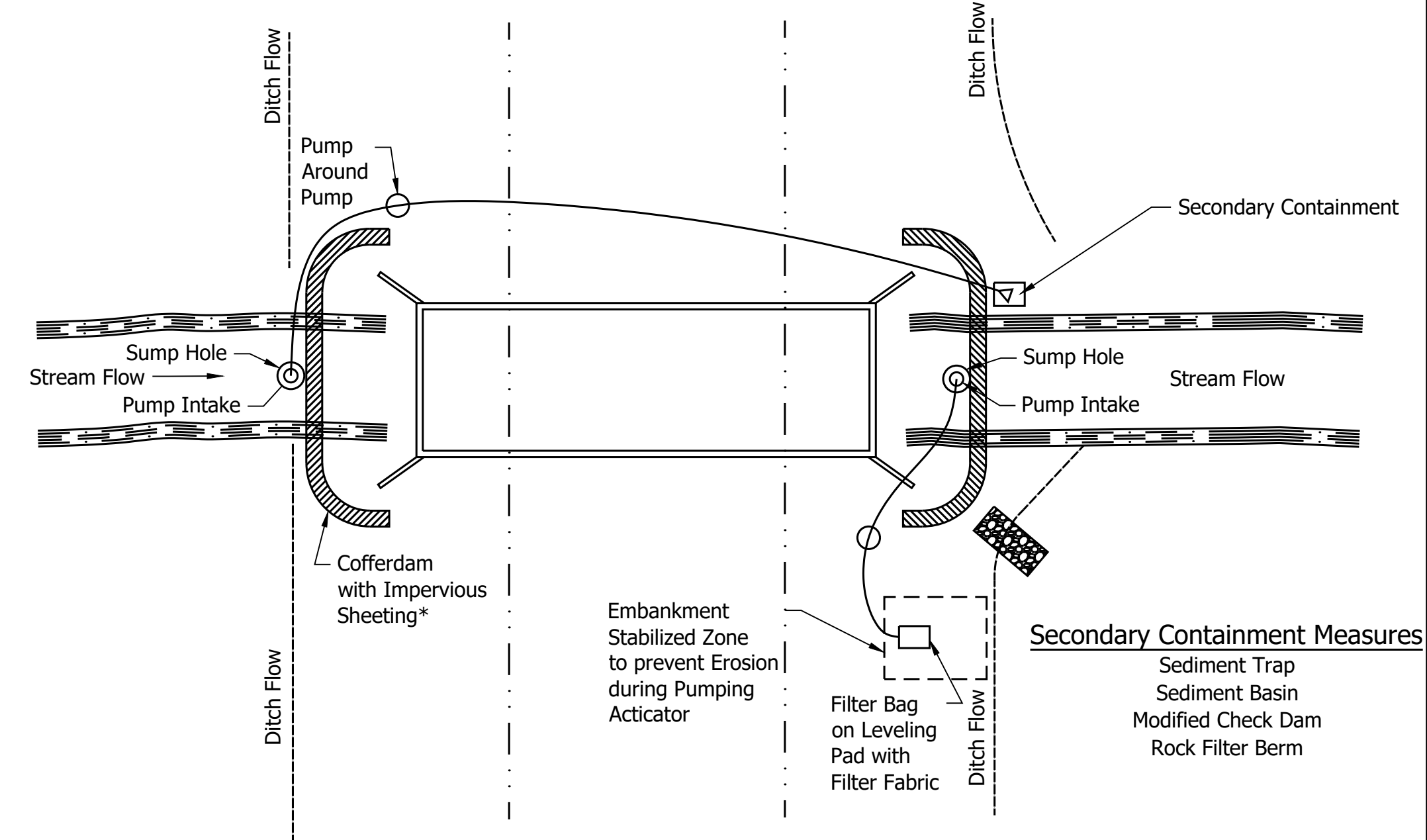
Note:
Small structures and culverts shall be installed under full closure.

Note:
Where a ditch ties into the dewatering area, an additional pump shall be required.
Where a ditch ties in outside of the dewatering area a sediment trap shall be required.

② Down station inlet condition



PUMP AROUND AND DEWATERING DETAILS



PUMP AROUND AND DEWATERING DETAILS

EROSION CONTROL LEGEND

- SEDIMENT TRAP
- TEMPORARY INLET PROTECTION
- SILT FENCE
- FILTER SOCK
- EXISTING DITCH FLOW LINE
- MODIFIED TEMPORARY CHECK DAM, REVETMENT RIPRAP
- TEMPORARY CHECK DAM, REVETMENT RIPRAP
- EROSION CONTROL BLANKET - COIR MAT
- TEMPORARY SEEDING
- PROPOSED DITCH FLOW LINE
- PUMP AROUND

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: ---	
CHECKED: LLC	CHECKED: MSS	

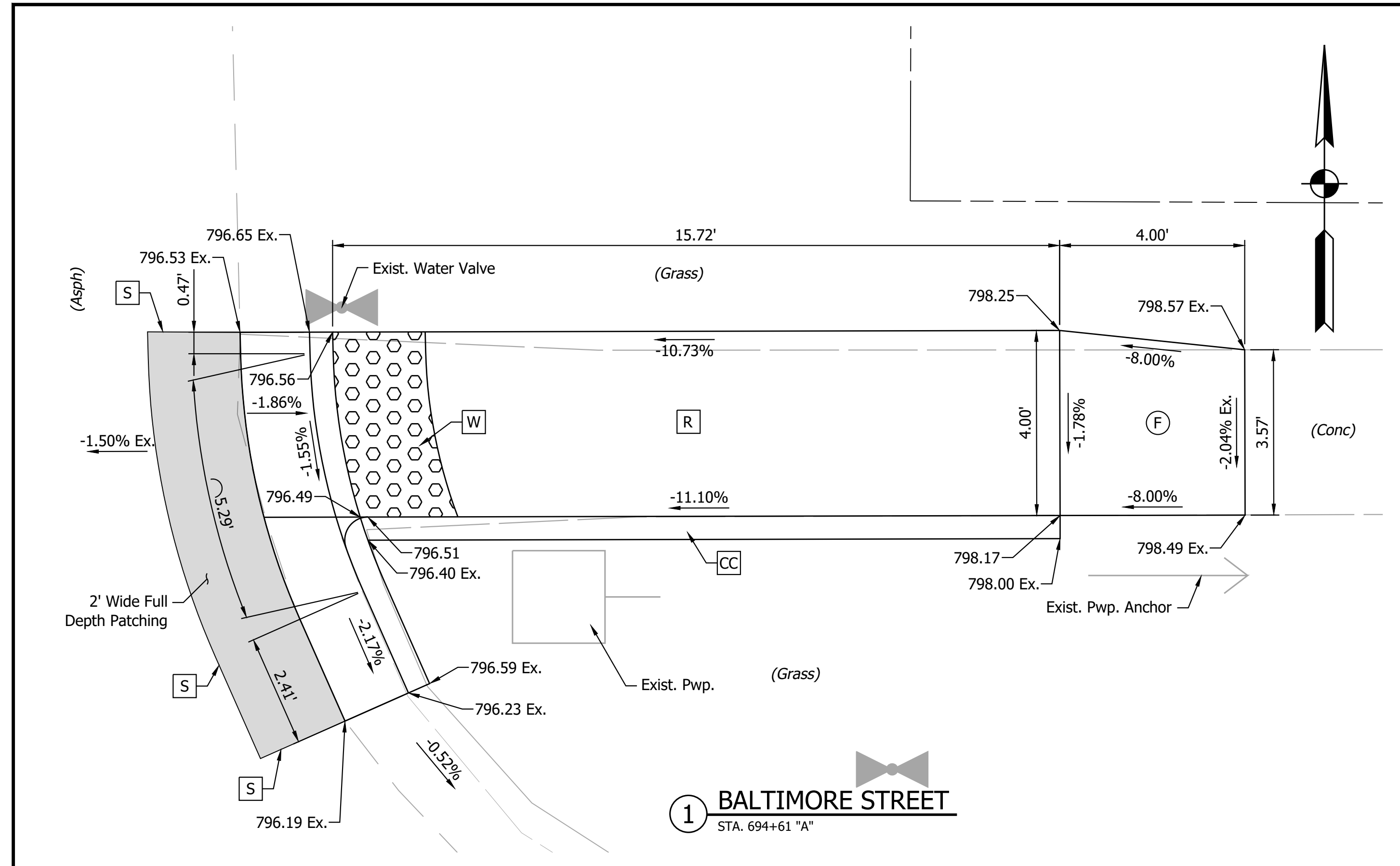
INDIANA DEPARTMENT OF TRANSPORTATION

Small Structure & Culvert Erosion Control General Plan

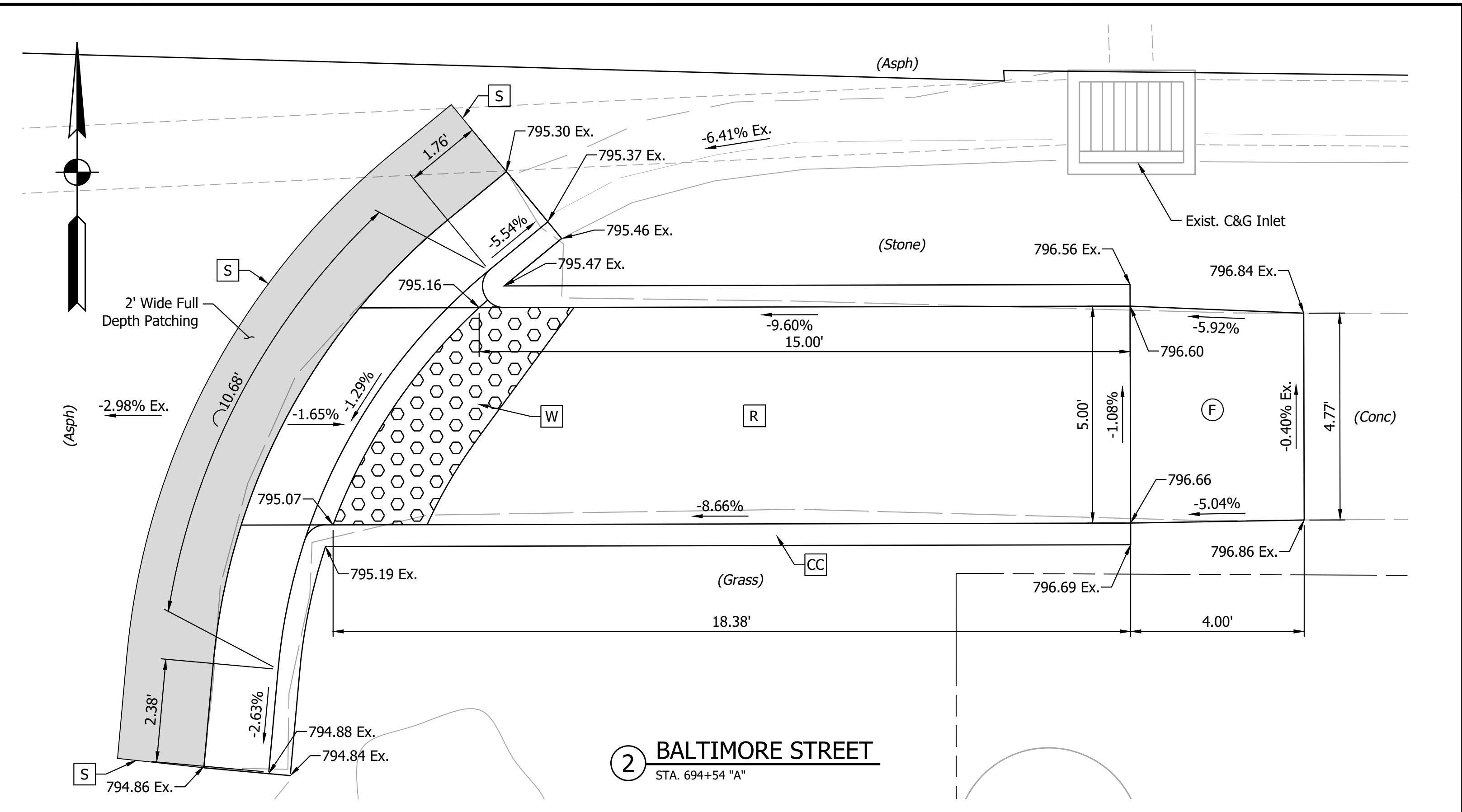
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AS NOTED	NA
VERTICAL SCALE	DESIGNATION
AS NOTED	2001548
SURVEY BOOK	SHEET
	83 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22
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 EDITED: 5/2/22 - 1:47 PM

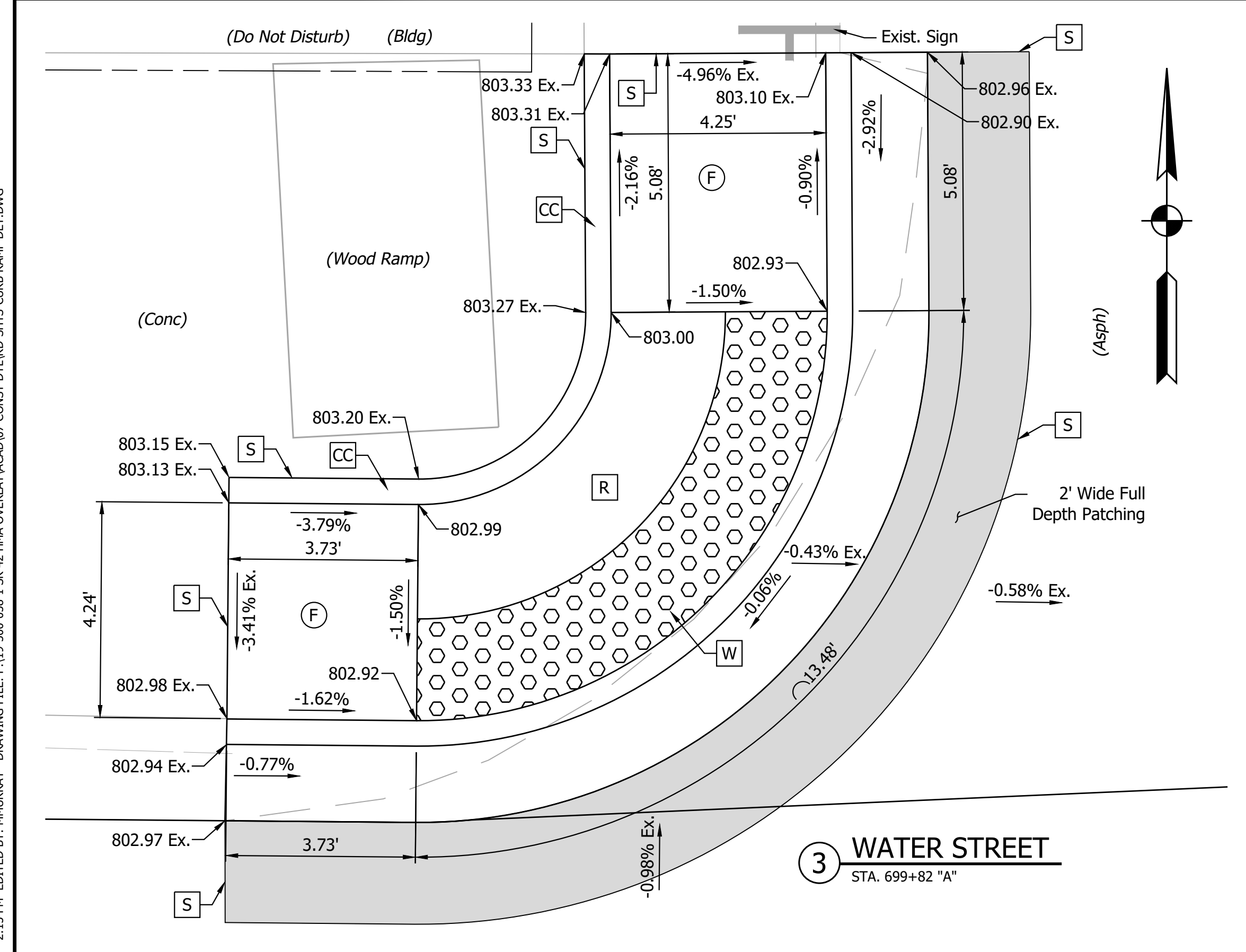
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 EDITED BY: MMURRAY
 DATE: 7/12/11 - 2:15 PM



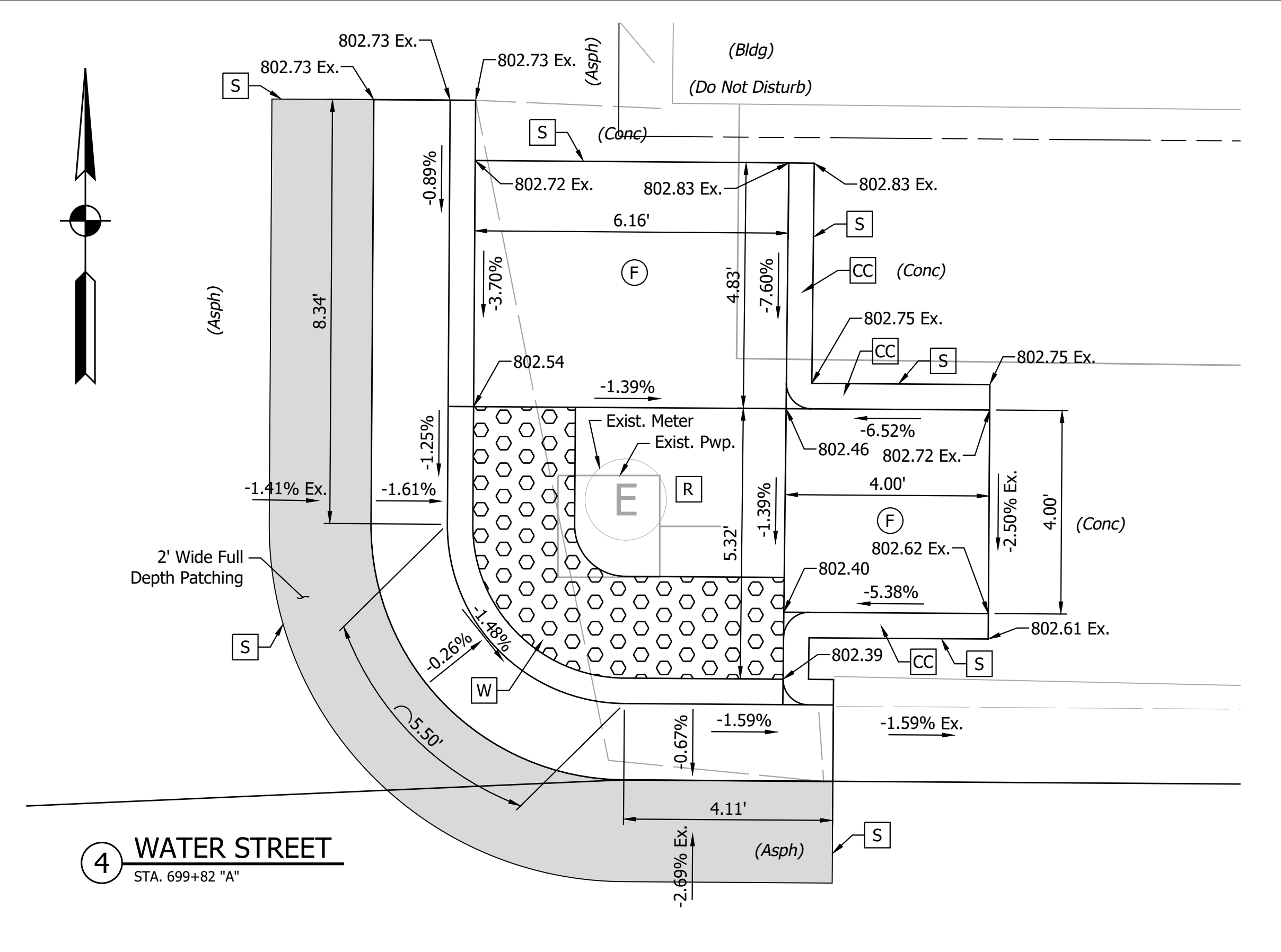
1 BALTIMORE STREET
STA. 694+61 "A"



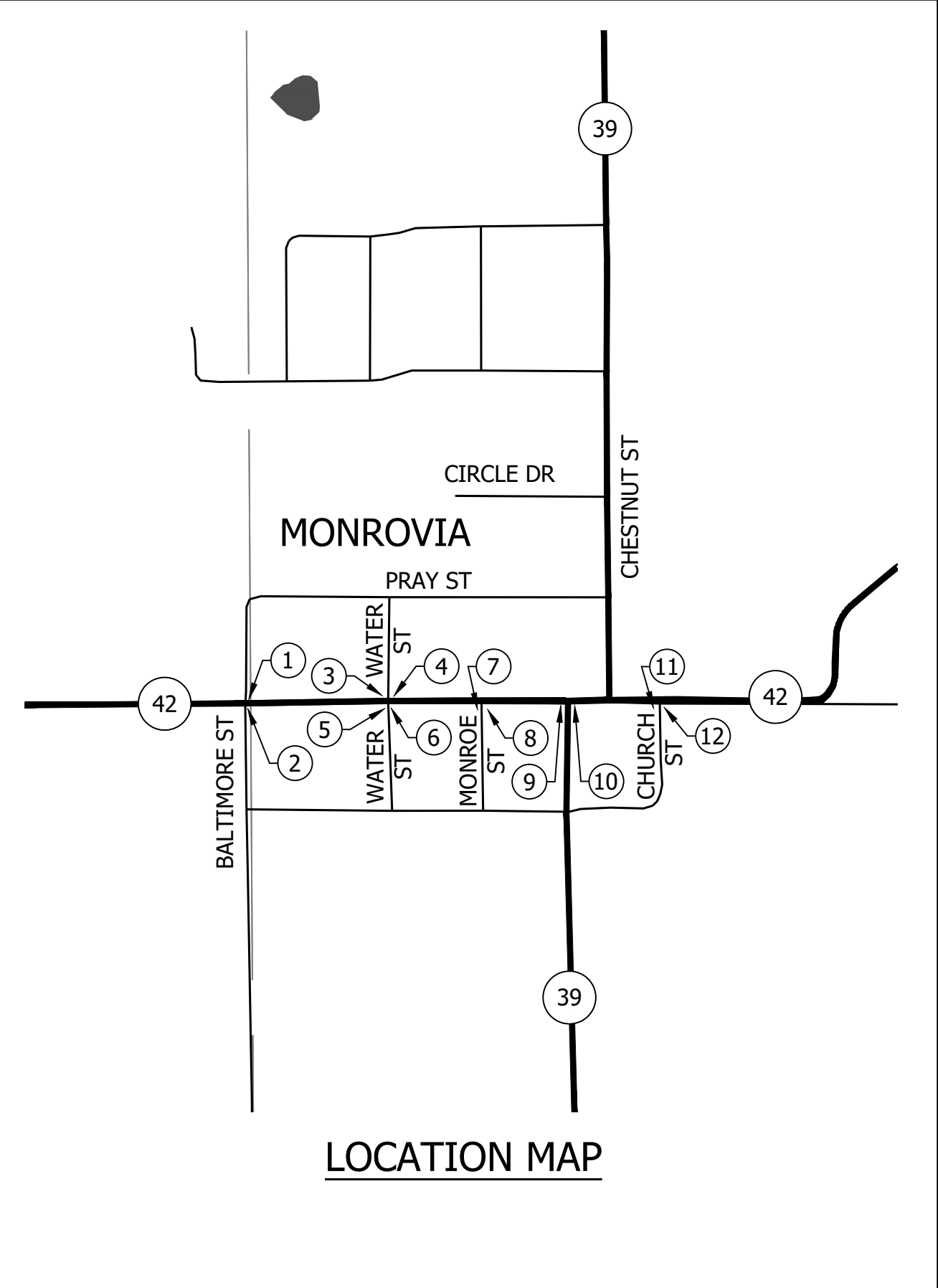
2 BALTIMORE STREET
STA. 694+54 "A"



3 WATER STREET
STA. 699+82 "A"



4 WATER STREET
STA. 699+82 "A"



LOCATION MAP

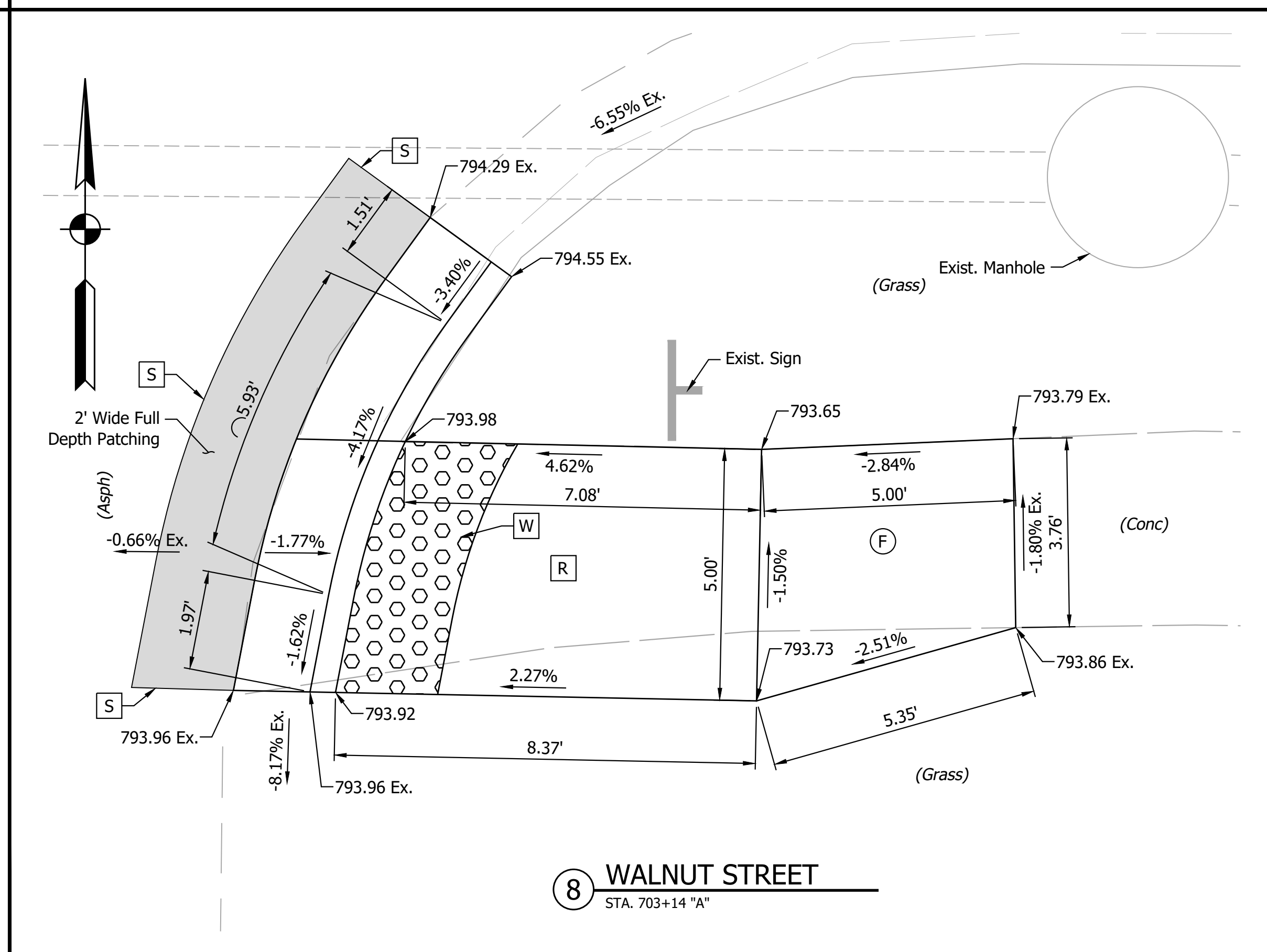
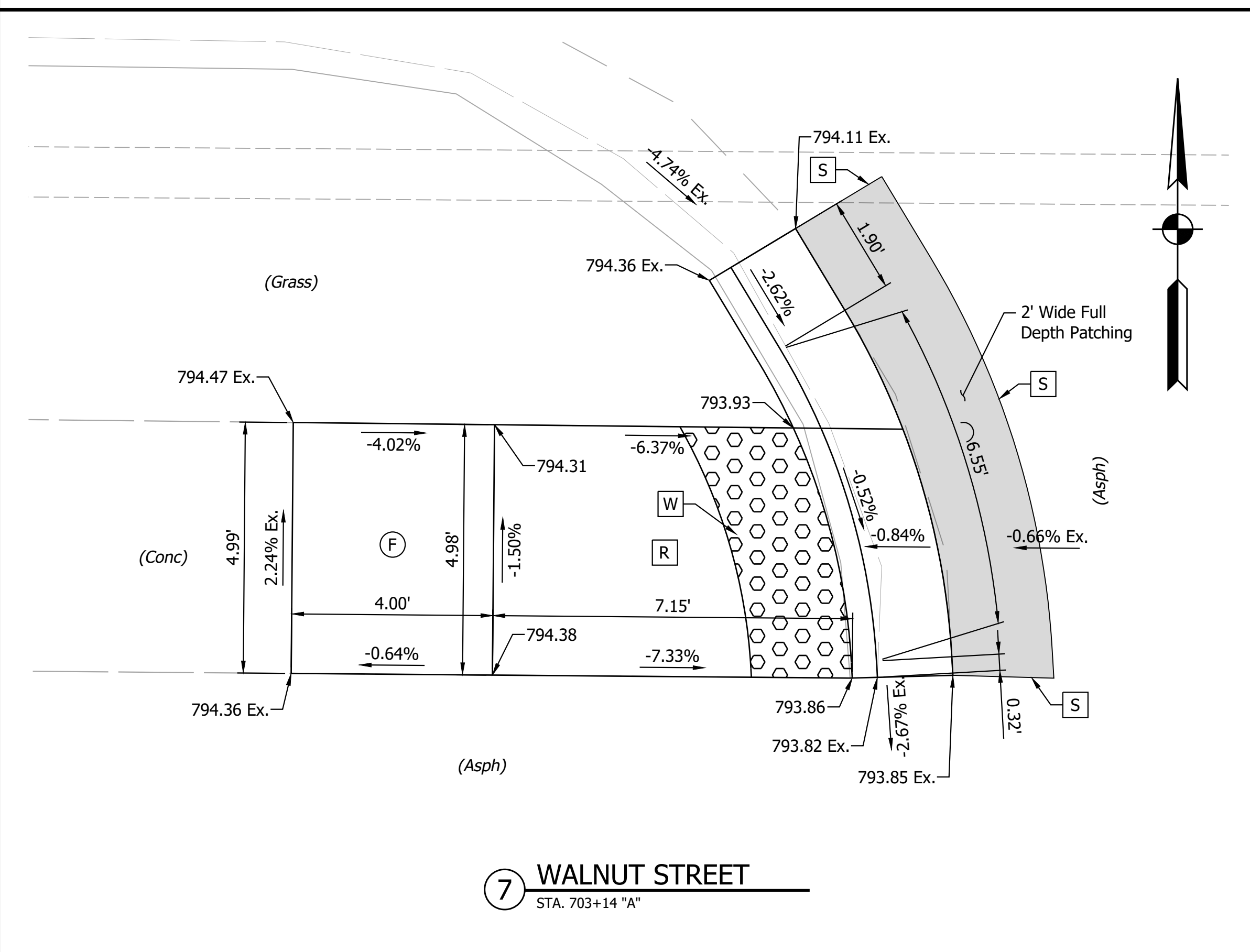
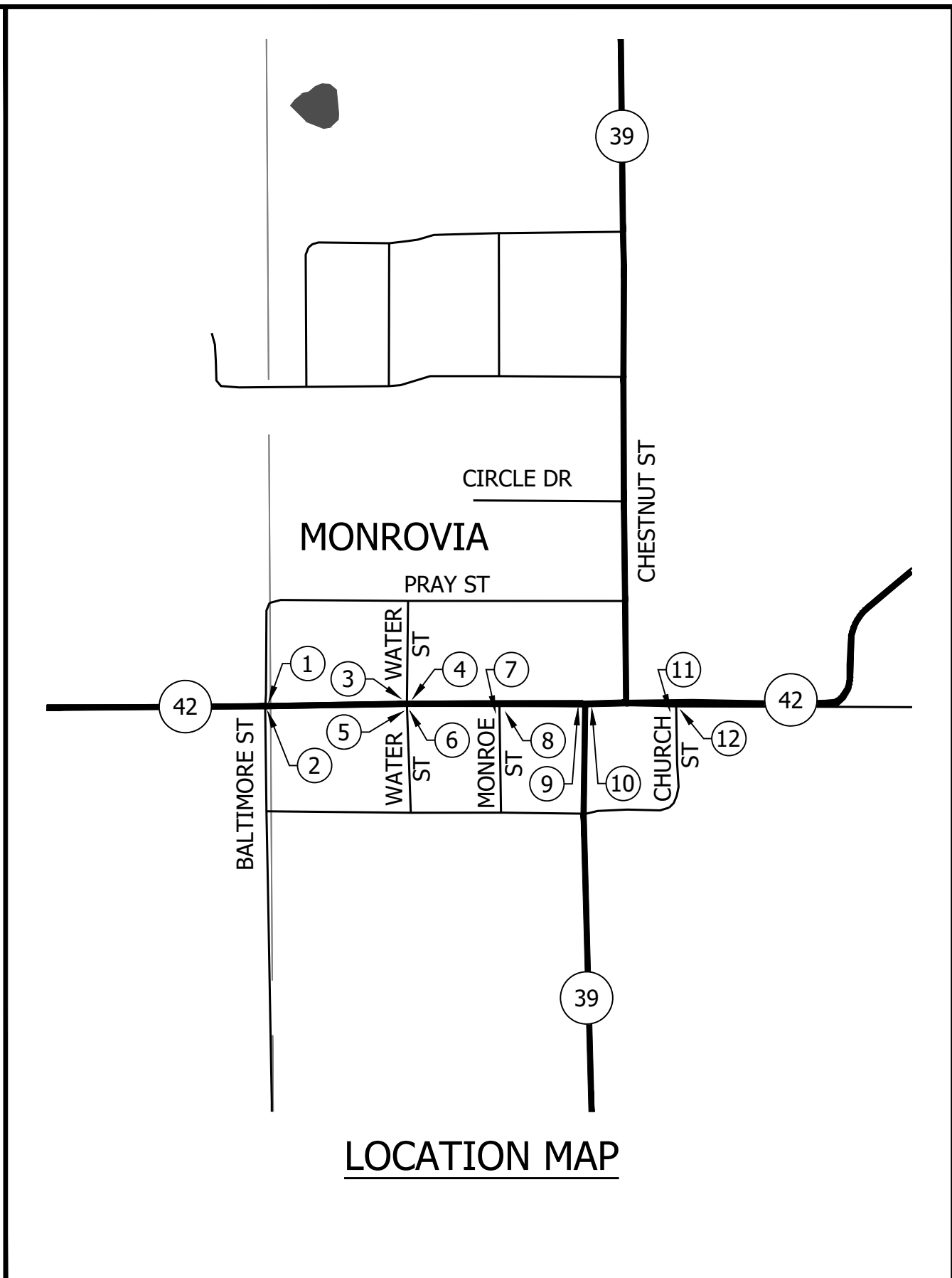
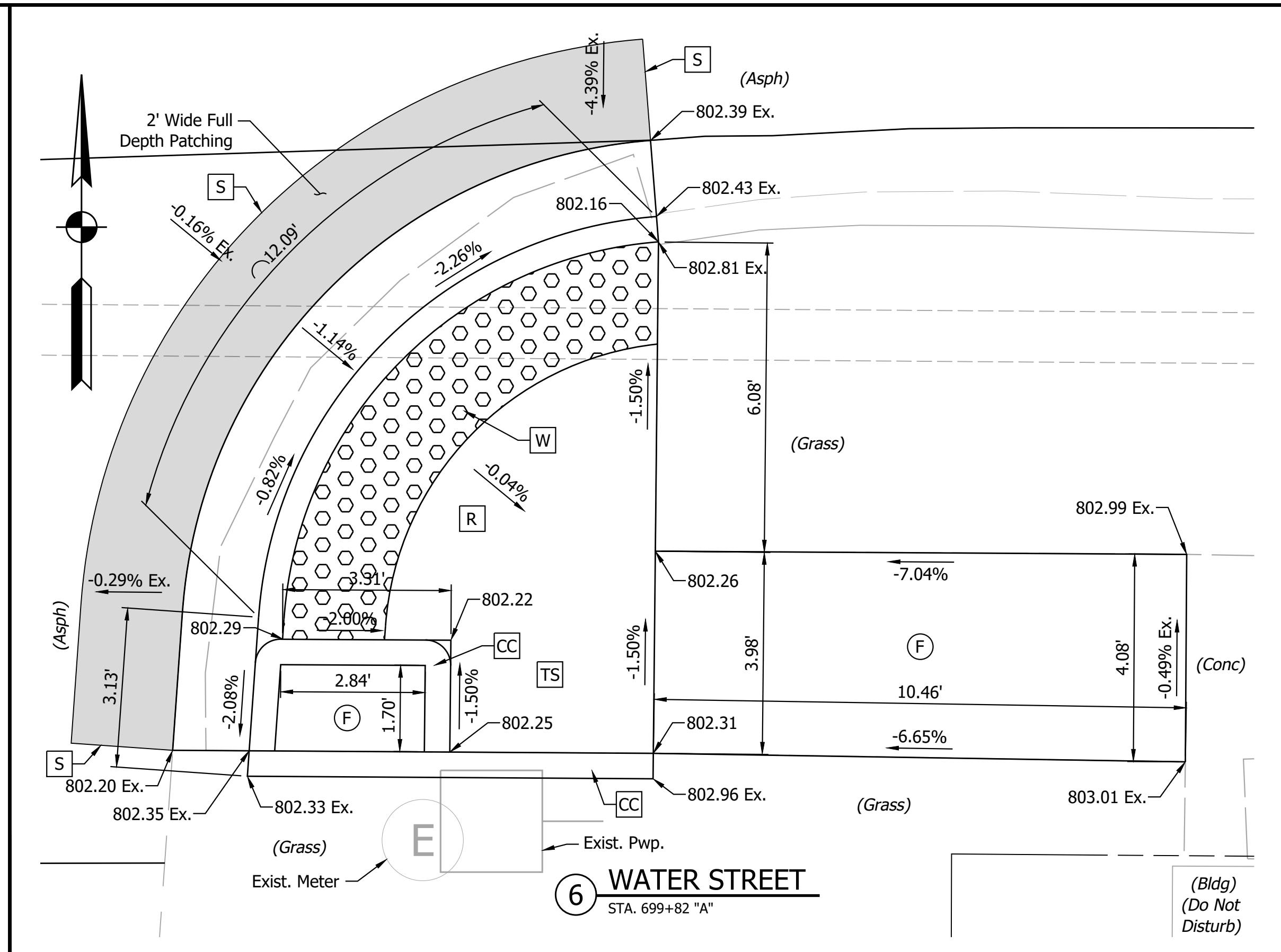
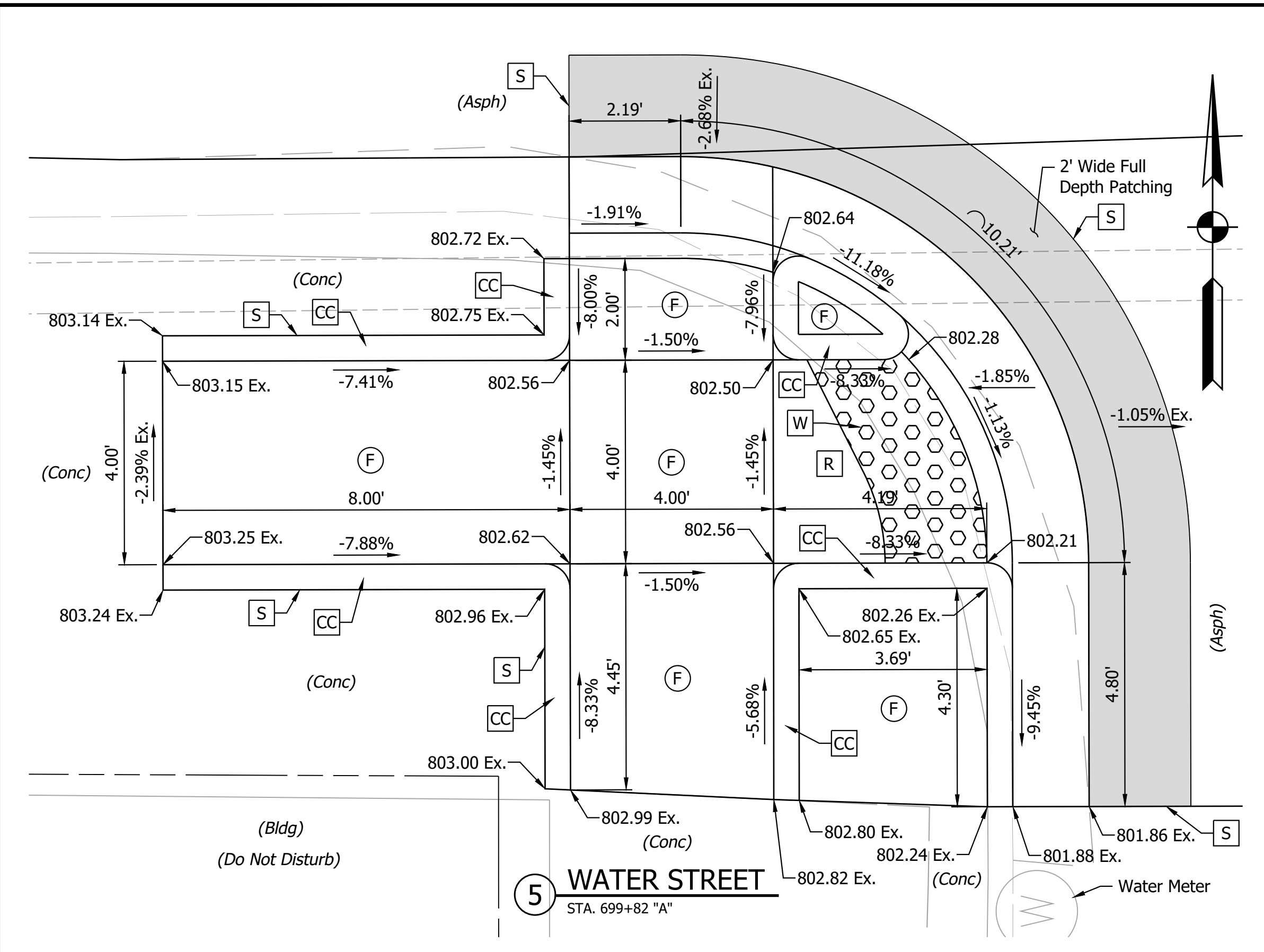
LEGEND			
(F) Concrete Sidewalk	(FS) Flared Side	(W) Install Detectable Warning Surface	(26) Sodding
(R) Ramp	B.C. Bottom of Curb	(W) Install Detectable Warning Surface Only	(CC) Return Curb
(TS) Turning Space	T.C. Top of Curb	(S) Saw Cut	

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: ----	
CHECKED: LLC	CHECKED: MSS	

INDIANA DEPARTMENT OF TRANSPORTATION
CURB RAMP DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 2'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	84 of 86
CONTRACT	PROJECT
R-40583	1601075

PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
 DRAWING FILE: P:\19-500-058-1 SR 42 HMA OVERLAY\ACAD\7 CONST DTL\RD-SHTS-CURB RAMP DET.DWG
 EDITED BY: MMURRAY
 DATE: 7/12/11 - 2:15 PM



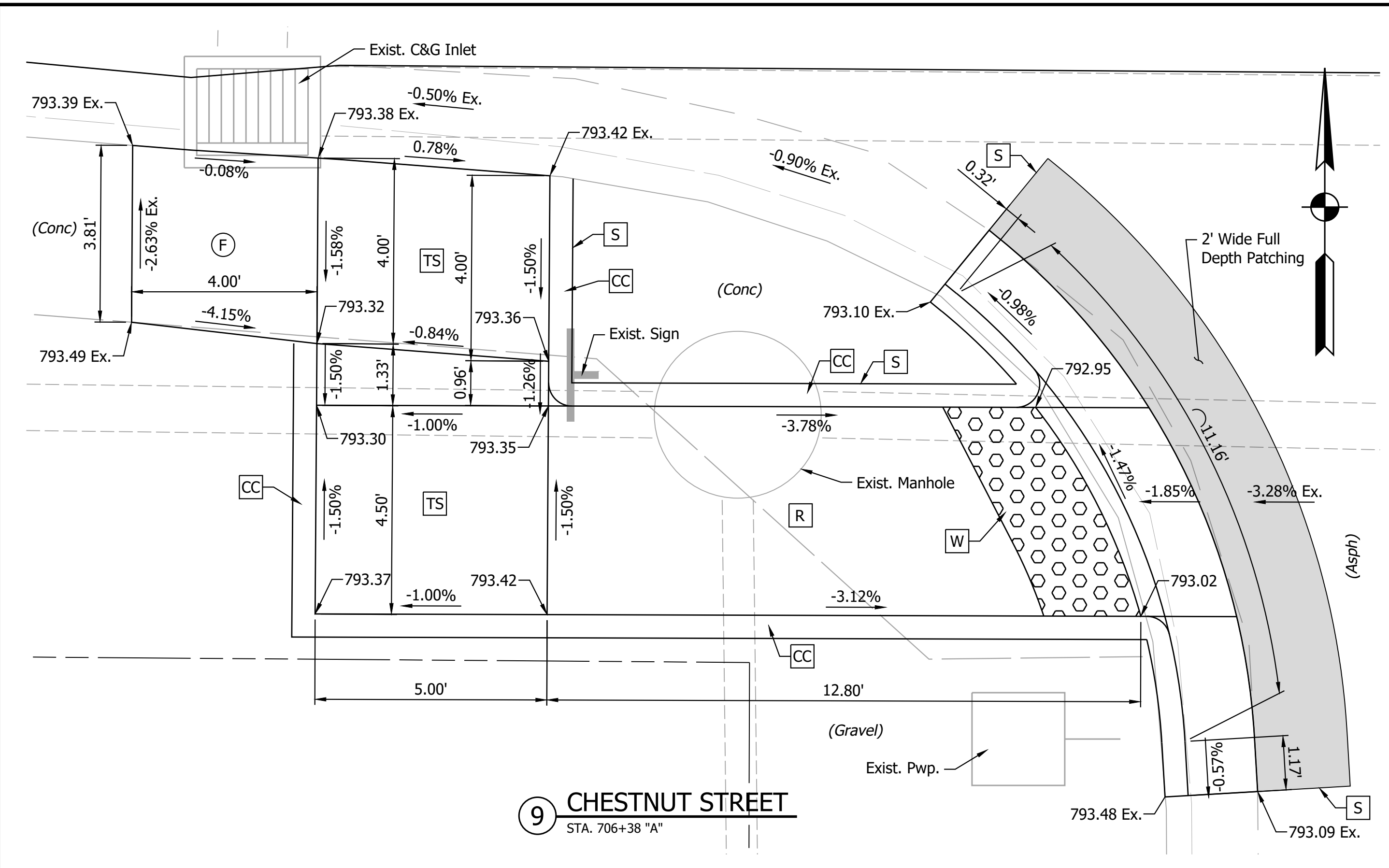
LEGEND			
(F) Concrete Sidewalk	(FS) Flared Side	(W) Install Detectable Warning Surface	(26) Sodding
(R) Ramp	B.C. Bottom of Curb	(W) Install Detectable Warning Surface Only	(CC) Return Curb
(TS) Turning Space	T.C. Top of Curb	(S) Saw Cut	

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: ---	
CHECKED: LLC	CHECKED: MSS	

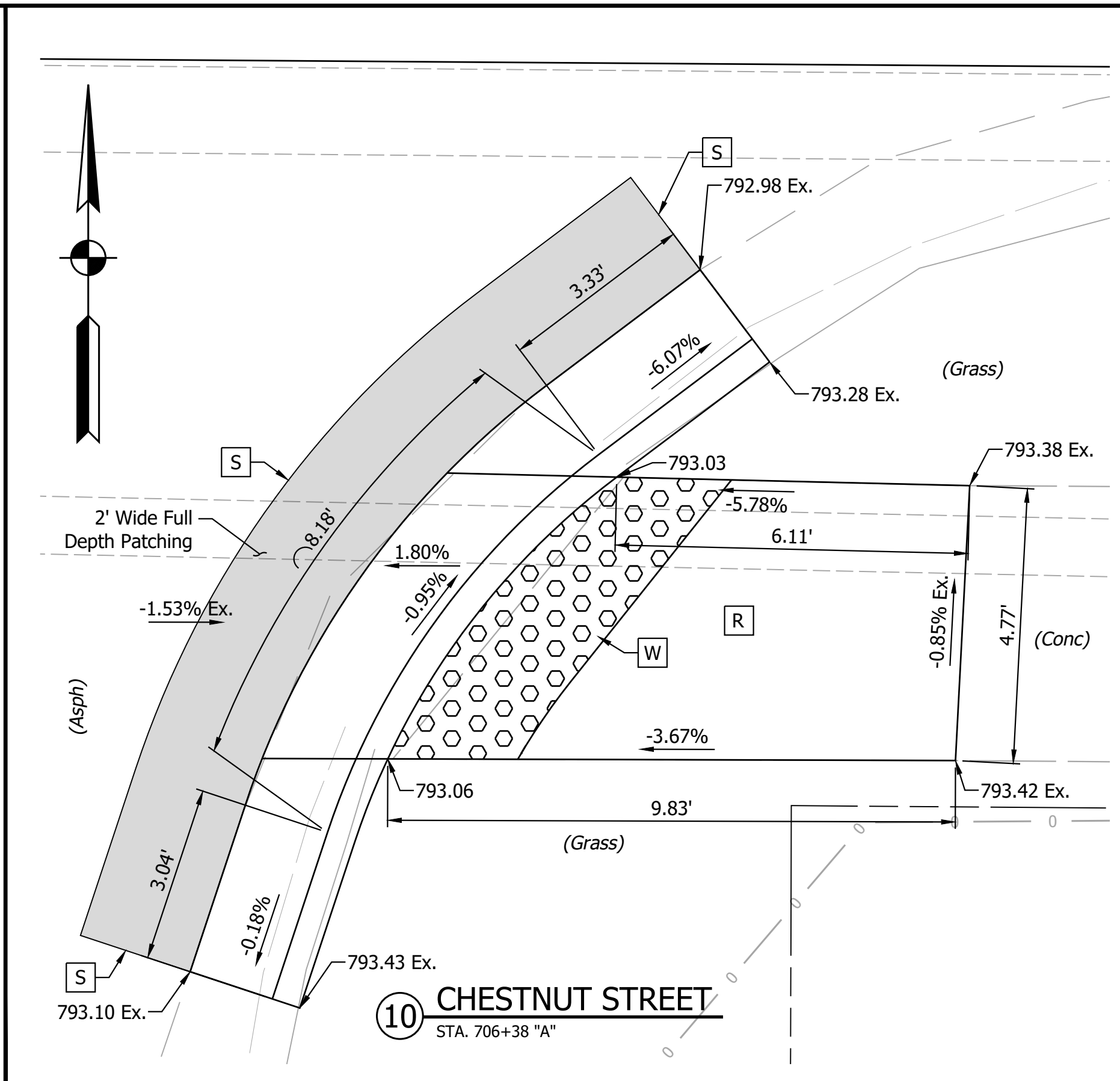
INDIANA DEPARTMENT OF TRANSPORTATION	
CURB RAMP DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
1" = 2'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	85 of 86
CONTRACT	PROJECT
R-40583	1601075

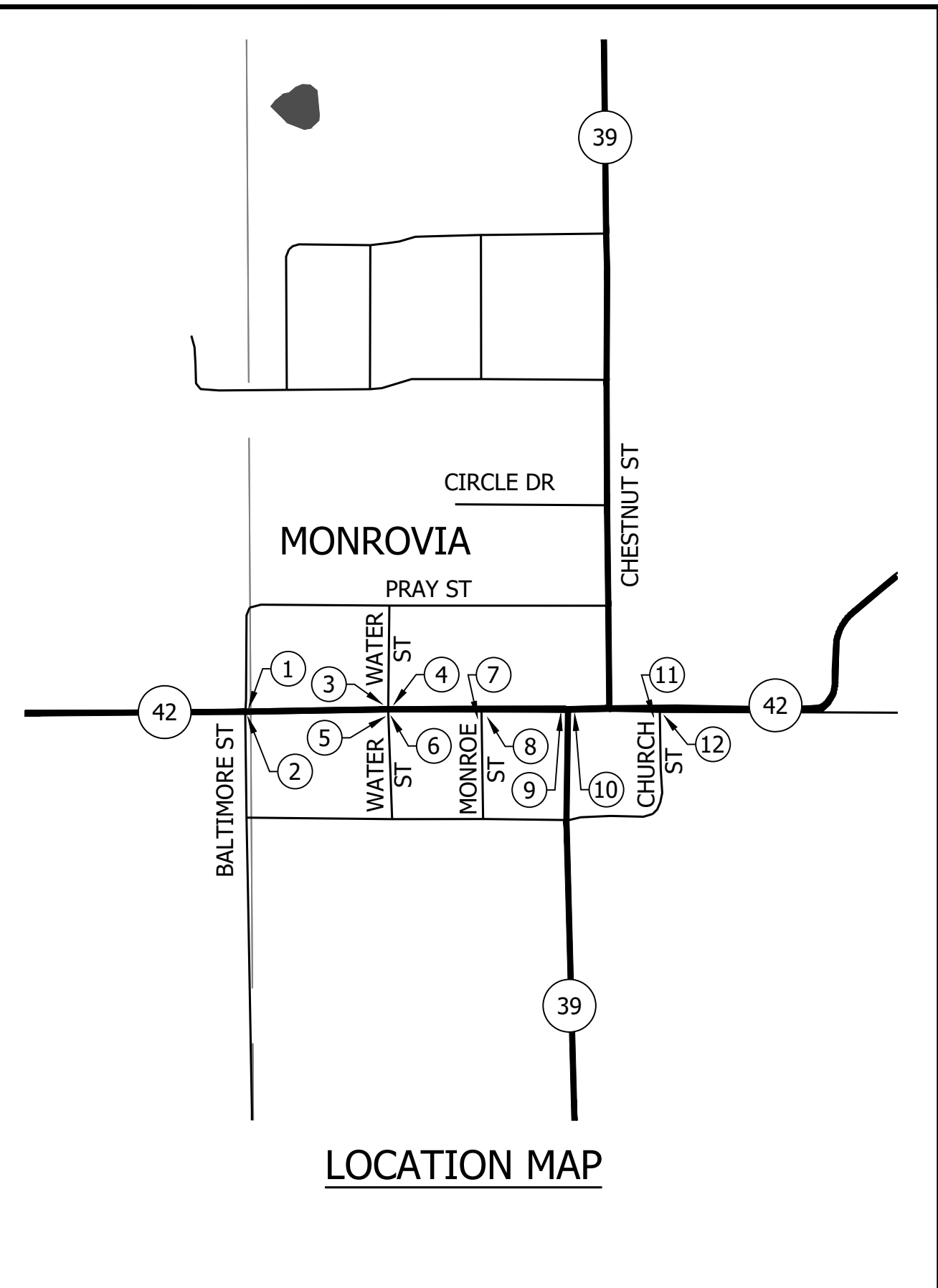
PRINT DATE: 5/2/22
 PLOT SCALE: 1:1
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 EDITOR: MMURRAY
 DATE: 7/12/11 - 2:15 PM



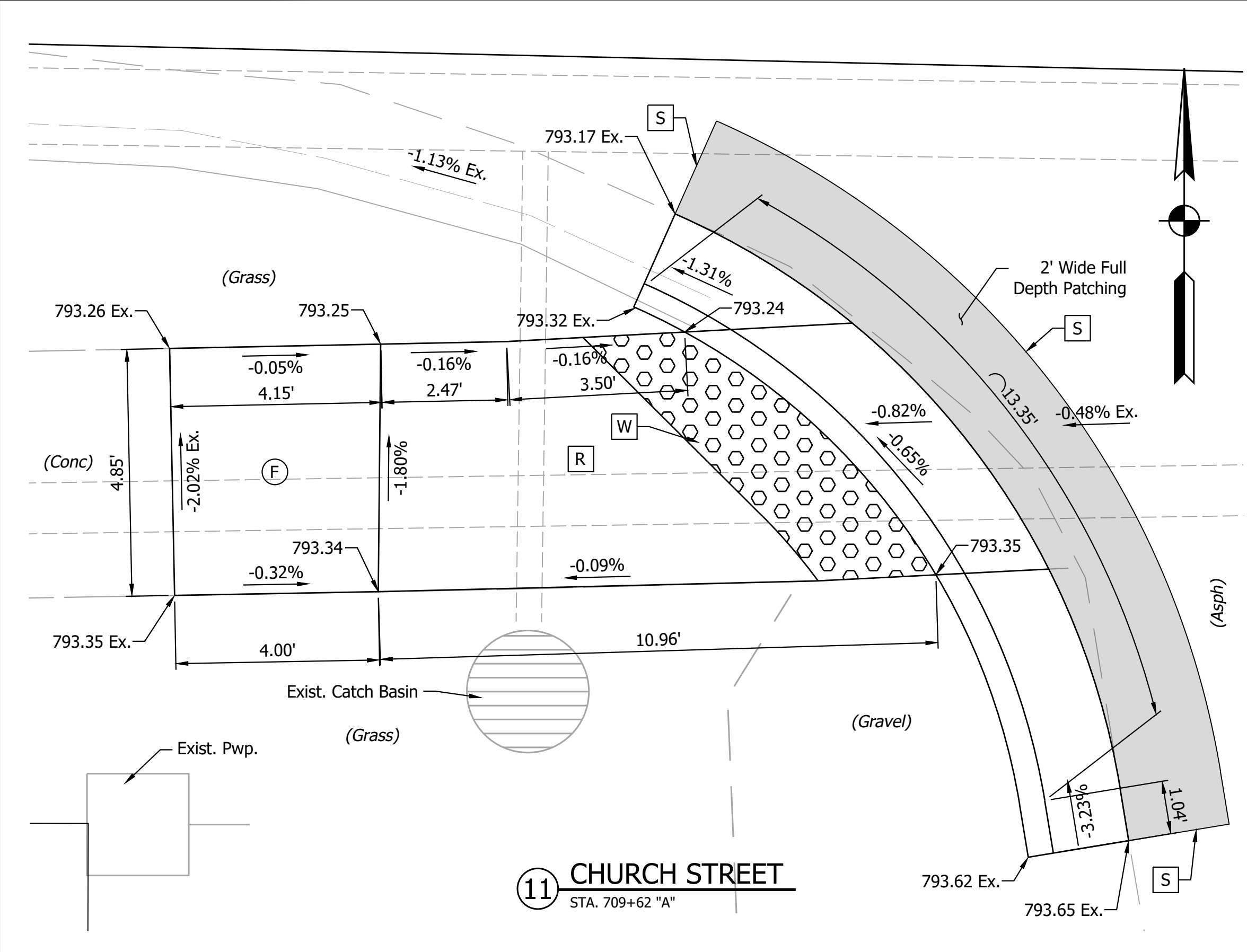
9 CHESTNUT STREET
STA. 706+38 "A"



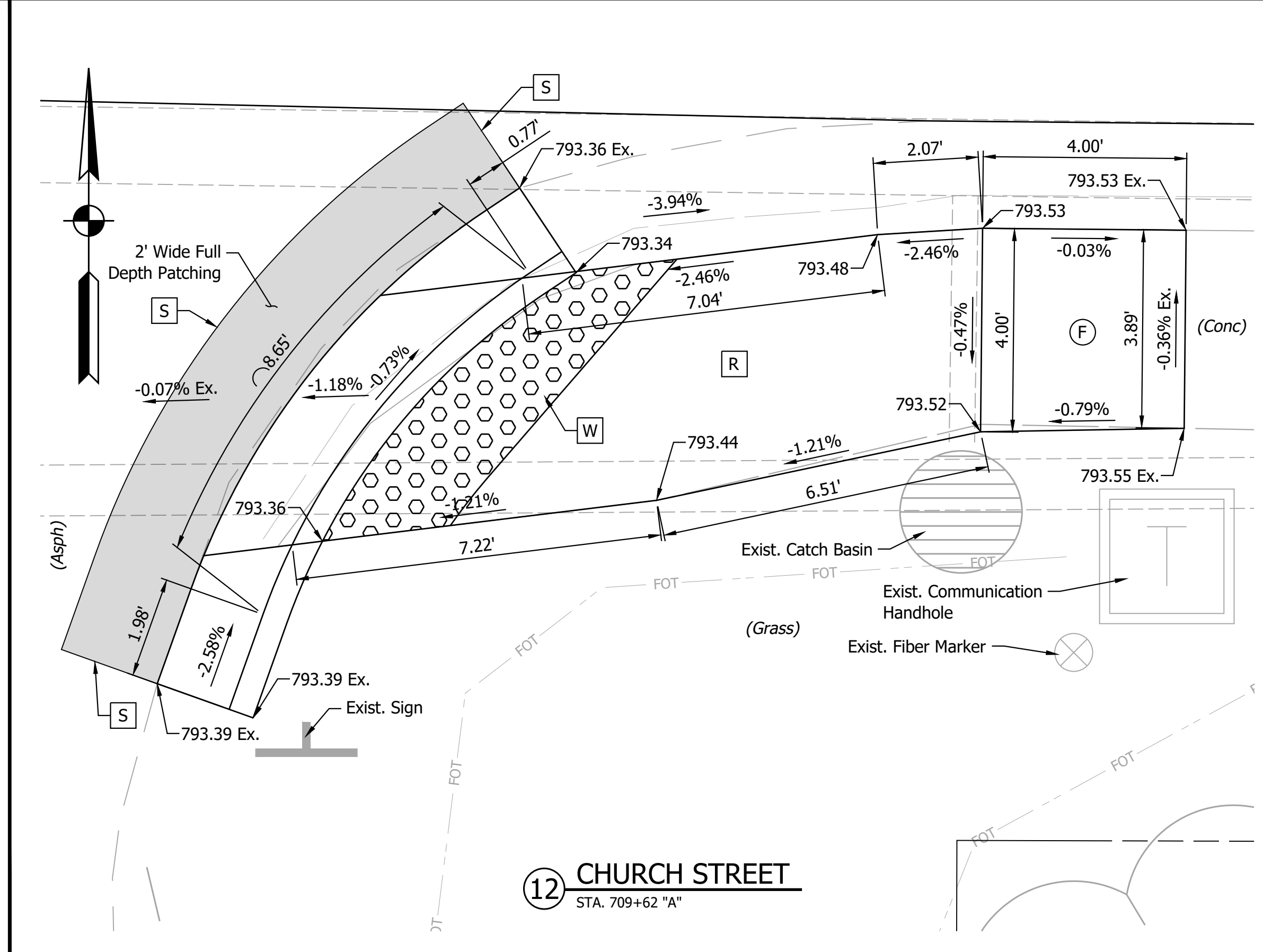
10 CHESTNUT STREET
STA. 706+38 "A"



LOCATION MAP



11 CHURCH STREET
STA. 709+62 "A"



12 CHURCH STREET
STA. 709+62 "A"

LEGEND			
(F) Concrete Sidewalk	(FS) Flared Side	(W) Detectable Warning Surface	(26) Sodding
(R) Ramp	B.C. Bottom of Curb	(W) Install Detectable Warning Surface Only	(CC) Return Curb
(TS) Turning Space	T.C. Top of Curb	(S) Saw Cut	

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MSS	DRAWN: ---	
CHECKED: LLC	CHECKED: MSS	

INDIANA DEPARTMENT OF TRANSPORTATION
CURB RAMP DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 2'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1601075
SURVEY BOOK	SHEET
	86 of 86
CONTRACT	PROJECT
R-40583	1601075