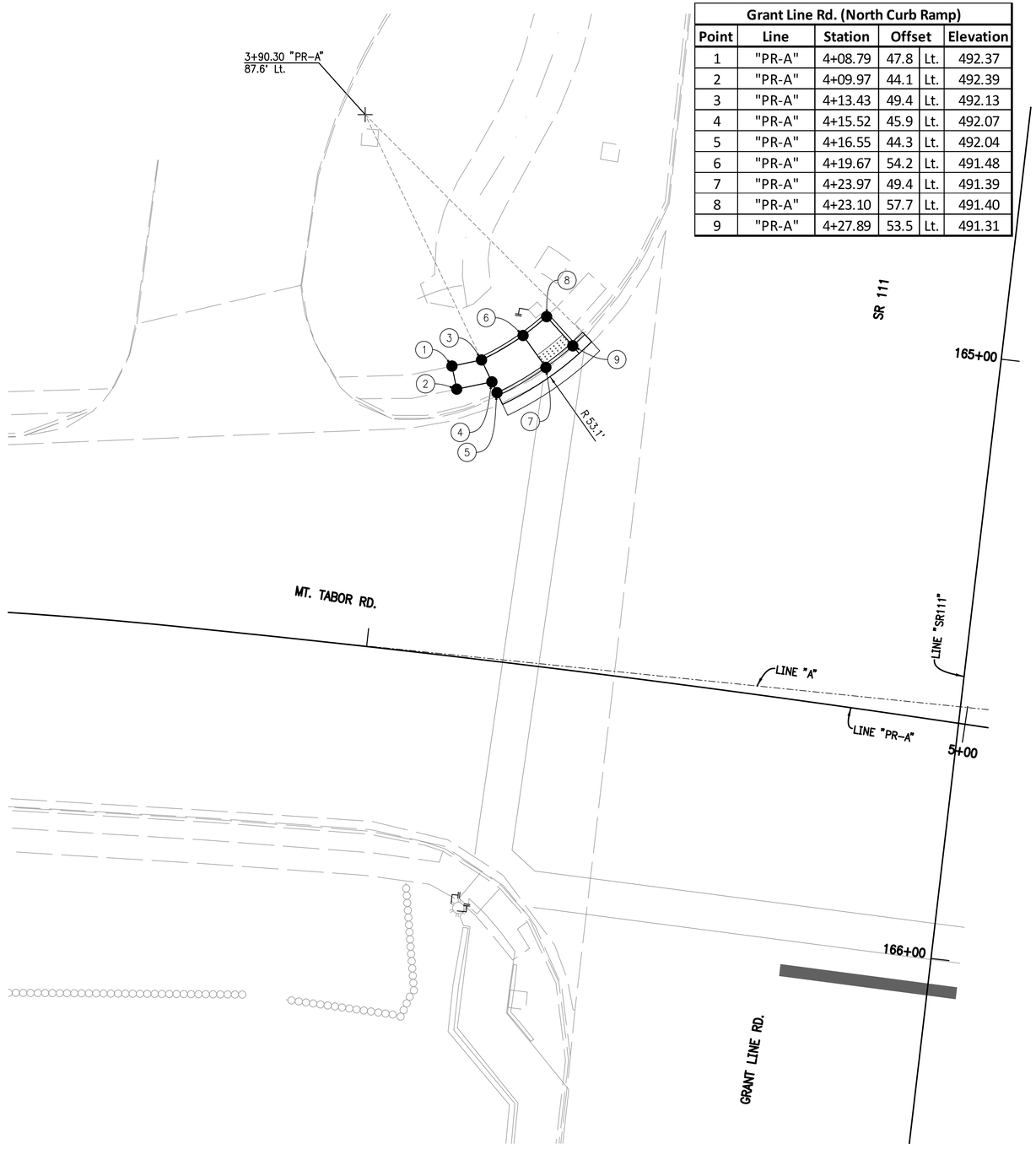
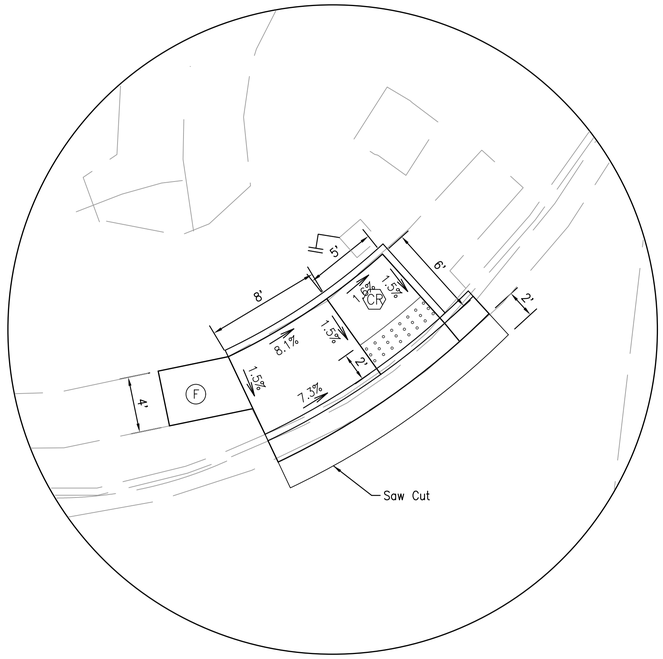
Sheet Added 1-22-2018

Grant Line Rd. (North Curb Ramp)					
Point	Line	Station	Offset		Elevation
1	"PR-A"	4+08.79	47.8	Lt.	492.37
2	"PR-A"	4+09.97	44.1	Lt.	492.39
3	"PR-A"	4+13.43	49.4	Lt.	492.13
4	"PR-A"	4+15.52	45.9	Lt.	492.07
5	"PR-A"	4+16.55	44.3	Lt.	492.04
6	"PR-A"	4+19.67	54.2	Lt.	491.48
7	"PR-A"	4+23.97	49.4	Lt.	491.39
8	"PR-A"	4+23.10	57.7	Lt.	491.40
9	"PR-A"	4+27.89	53.5	Lt.	491.31





DETAIL "A"
Scale: 1"=5'

LEGEND:

DETECTABLE WARNING SURFACE

CR — CURB RAMP, CONCRETE

F — SIDEWALK, CONCRETE

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.
2. For Signal details See Signal plan sheet.

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 1/22/2018
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
GRANT LINE RD./SR 111 & MT. TABOR RD.

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	59-1 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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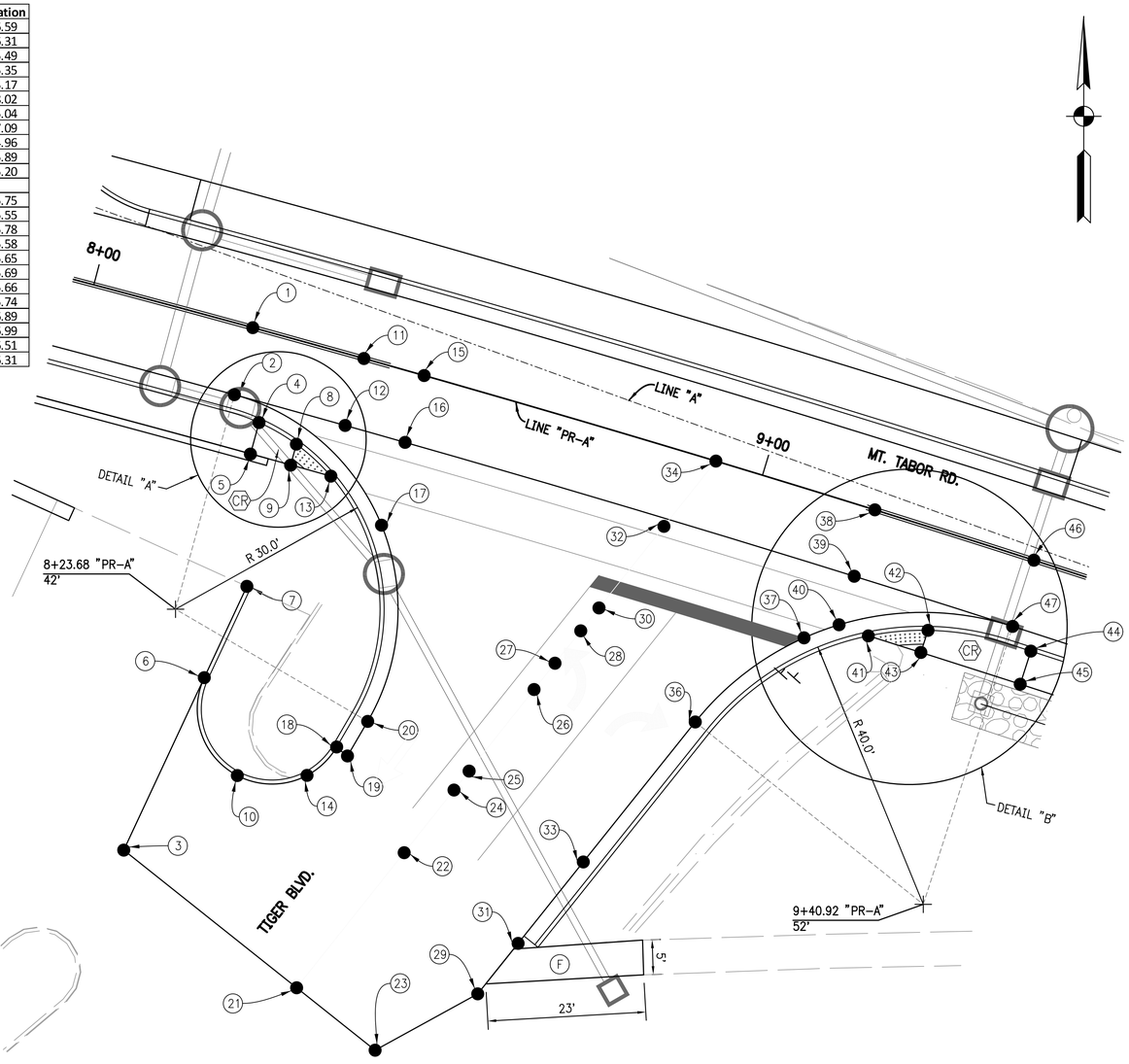
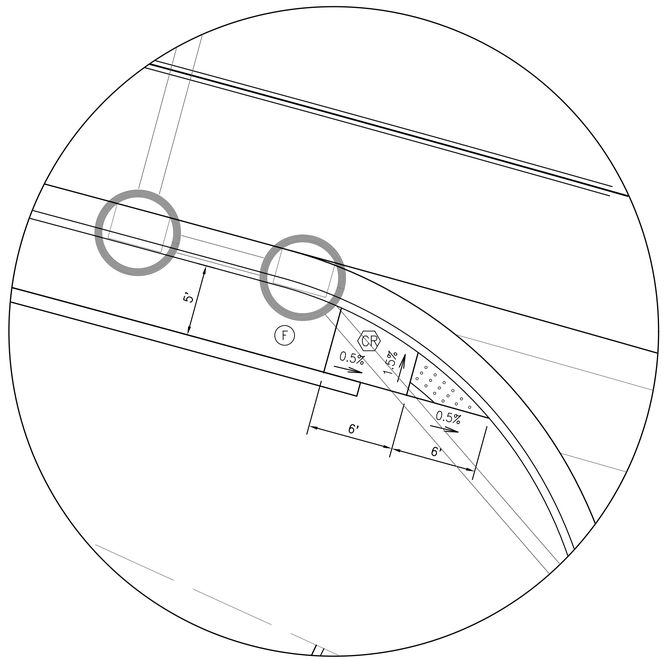
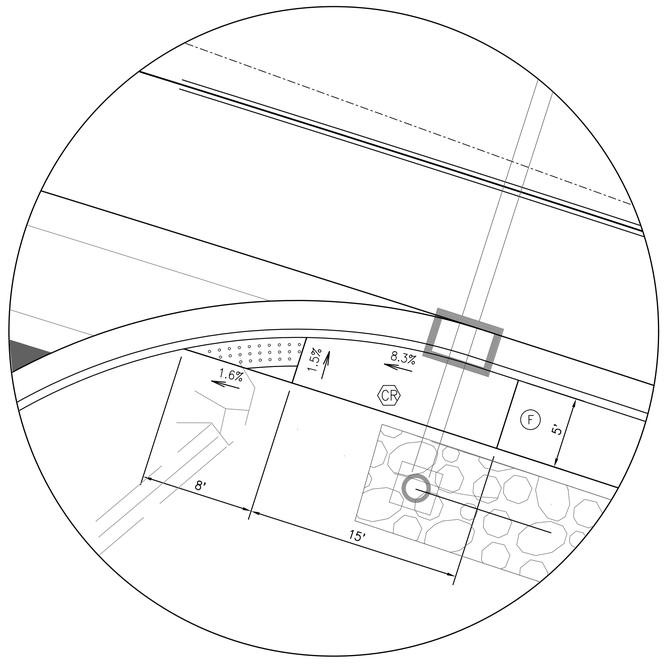
Point	Line	Station	Offset		Elevation
1	"PR-A"	8+23.68	0.0	CL	484.36
2	"PR-A"	8+23.68	10.0	Rt	484.16
3	"PR-A"	8+25.71	77.4	Rt	490.46
4	"PR-A"	8+28.18	12.9	Rt	484.62
5	"PR-A"	8+28.18	17.6	Rt	484.69
6	"PR-A"	8+30.39	50.4	Rt	490.22
7	"PR-A"	8+32.82	36.1	Rt	489.78
8	"PR-A"	8+34.21	14.5	Rt	484.62
9	"PR-A"	8+34.21	17.6	Rt	484.66
10	"PR-A"	8+38.93	62.7	Rt	488.47
11	"PR-A"	8+40.27	0.0	CL	484.45
12	"PR-A"	8+40.27	10.0	Rt	484.25
13	"PR-A"	8+40.27	17.6	Rt	484.63
14	"PR-A"	8+48.79	59.9	Rt	487.35
15	"PR-A"	8+49.26	0.0	CL	484.52
16	"PR-A"	8+49.26	10.0	Rt	484.32
17	"PR-A"	8+49.26	22.4	Rt	485.03
18	"PR-A"	8+51.83	54.8	Rt	486.71
19	"PR-A"	8+53.73	55.7	Rt	486.75
20	"PR-A"	8+55.18	50.1	Rt	486.27
21	"PR-A"	8+55.95	89.7	Rt	490.05
22	"PR-A"	8+65.69	66.8	Rt	487.51
23	"PR-A"	8+69.76	95.2	Rt	489.76

Point	Line	Station	Offset		Elevation
24	"PR-A"	8+70.15	56.1	Rt	486.59
25	"PR-A"	8+71.49	52.9	Rt	486.31
26	"PR-A"	8+77.23	39.0	Rt	485.49
27	"PR-A"	8+79.07	34.5	Rt	485.35
28	"PR-A"	8+81.33	29.0	Rt	485.17
29	"PR-A"	8+82.03	83.3	Rt	488.02
30	"PR-A"	8+82.92	25.1	Rt	485.04
31	"PR-A"	8+85.63	74.6	Rt	487.09
32	"PR-A"	8+88.54	11.2	Rt	484.96
33	"PR-A"	8+91.38	60.7	Rt	485.89
34	"PR-A"	8+93.00	0.0	CL	485.20
36	"PR-A"	9+01.12	36.8	Rt	485.75
37	"PR-A"	9+12.64	20.6	Rt	485.55
38	"PR-A"	9+16.92	0.0	CL	485.78
39	"PR-A"	9+16.92	10.0	Rt	485.58
40	"PR-A"	9+16.92	17.3	Rt	485.65
41	"PR-A"	9+23.39	16.6	Rt	485.69
42	"PR-A"	9+29.44	14.3	Rt	485.66
43	"PR-A"	9+29.44	16.6	Rt	485.74
44	"PR-A"	9+44.52	12.6	Rt	486.89
45	"PR-A"	9+44.52	17.6	Rt	486.99
46	"PR-A"	9+40.92	0.0	CL	486.51
47	"PR-A"	9+40.92	10.0	Rt	486.31





DETAIL "A"
Scale: 1"=5'



DETAIL "B"
Scale: 1"=5'

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.

LEGEND:

DETECTABLE WARNING SURFACE

CR — CURB RAMP, CONCRETE

F — SIDEWALK, CONCRETE

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP

CHECKED: MSM | CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
TIGER BLVD. & MT. TABOR RD.

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	60 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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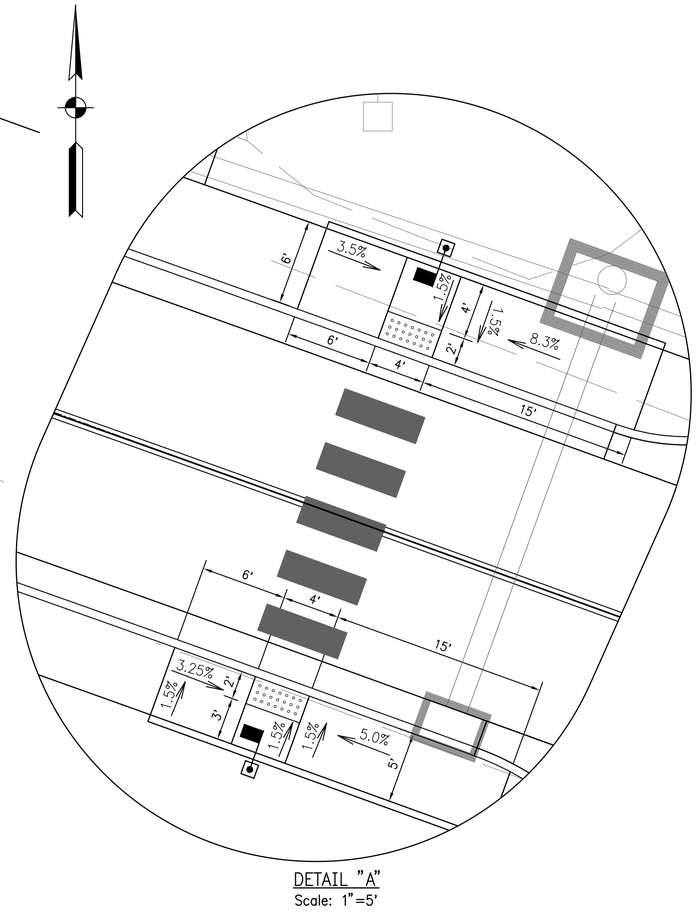
Added Flashing Assembly 1-22-2018

Point	Line	Station	Offset		Elevation
1	"PR-A"	10+31.50	17.6	Rt	490.85
2	"PR-A"	10+31.52	10.0	Rt	490.31
3	"PR-A"	10+31.55	0.0	CL	490.52
4	"PR-A"	10+31.57	10.0	Lt	490.32
5	"PR-A"	10+31.60	18.6	Lt	490.87
6	"PR-A"	10+37.54	17.6	Rt	490.65
7	"PR-A"	10+37.54	10.0	Rt	490.61
8	"PR-A"	10+37.55	0.0	CL	490.81
9	"PR-A"	10+37.55	10.0	Lt	490.61
10	"PR-A"	10+37.56	18.6	Lt	490.66
11	"PR-A"	10+25.48	32.6	Rt	490.74
12	"PR-A"	10+44.00	10.0	Rt	490.81
13	"PR-A"	10+44.00	0.0	CL	491.01
14	"PR-A"	10+44.00	10.0	Lt	490.81
15	"PR-A"	10+44.00	18.6	Lt	490.86
16	"PR-A"	10+59.00	18.6	Lt	492.11
17	"PR-A"	10+50.06	10.0	Lt	491.11
18	"PR-A"	10+50.12	0.0	CL	491.31
19	"PR-A"	10+50.22	10.0	Rt	491.11
20	"PR-A"	10+59.00	17.9	Rt	491.59
21	"PR-A"	10+31.51	12.6	Rt	490.77
22	"PR-A"	10+37.54	12.6	Rt	490.57
23	"PR-A"	10+44.00	12.6	Rt	490.77
24	"PR-A"	10+58.00	12.6	Rt	491.52
25	"PR-A"	10+31.58	12.6	Lt	490.78
26	"PR-A"	10+37.54	12.6	Lt	490.57
27	"PR-A"	10+44.00	12.6	Lt	490.77
28	"PR-A"	10+58.00	12.6	Lt	492.02



DETAIL "A"
Scale: 1"=5'

LEGEND:

DETECTABLE WARNING SURFACE

CR — CURB RAMP, CONCRETE

F — SIDEWALK, CONCRETE

Solar Powered Flashing Beacon Assembly
w/W11-2 & W16-7P Signs
(Includes Signal Pedestal, 16ft. on Pedestal Foundation, A)
See Std. Drawing E805-SGFB-05 for Details
Attach the Following Signs to Signal Pedestal

W11-2 (36"x36")

W16-7P (24"x12")

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S. Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
MT. TABOR RD. MID-BLOCK CROSSING

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	61 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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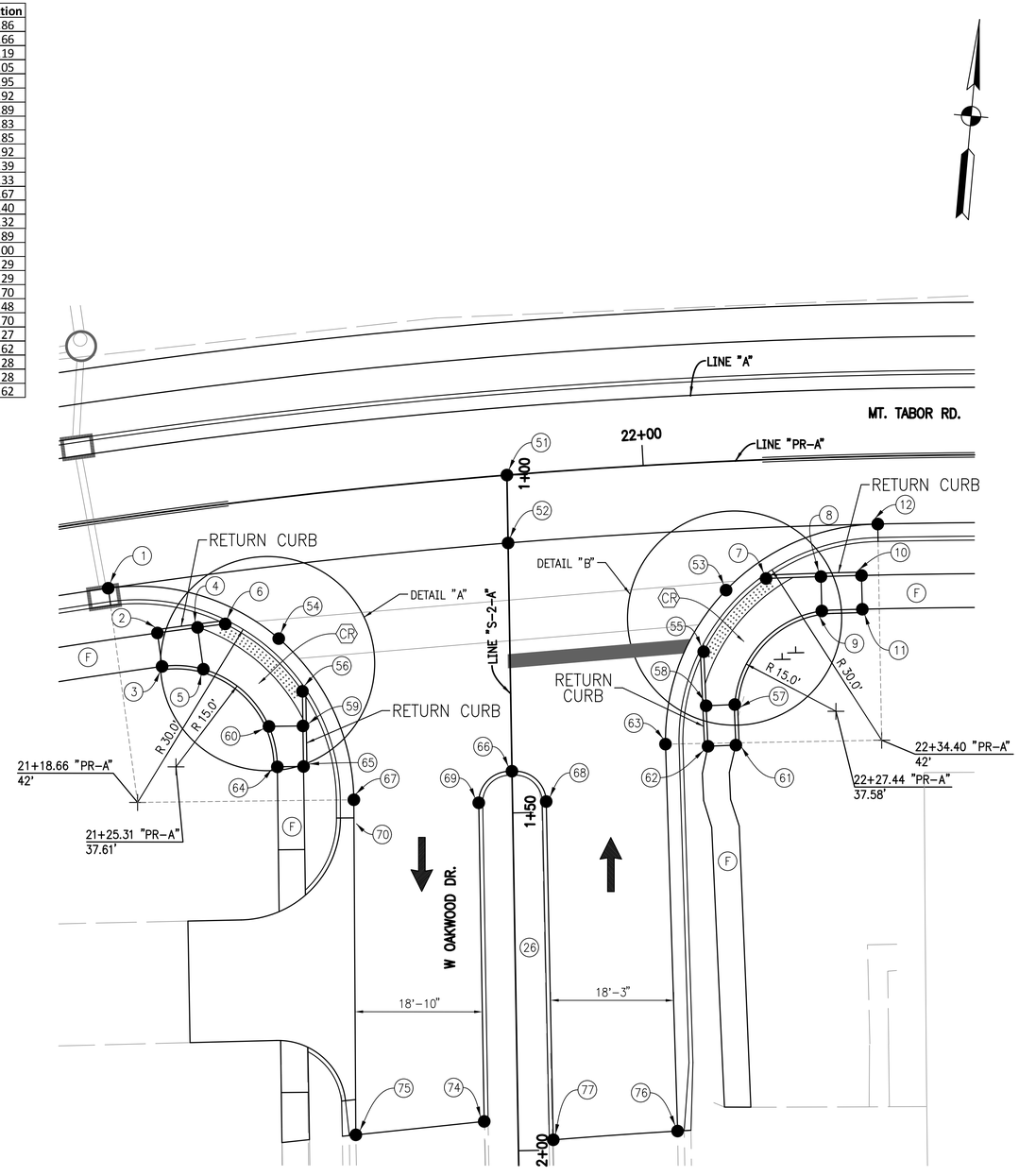
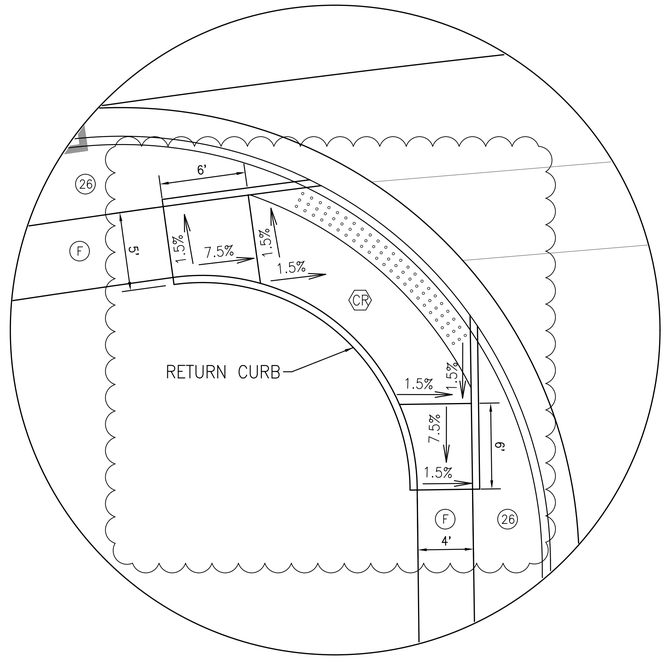
Added Return Curb 1-22-2018

Point	Line	Station	Offset		Elevation
1	"PR-A"	21+18.94	10.0	Rt	505.57
2	"PR-A"	21+25.31	17.6	Rt	505.66
3	"PR-A"	21+25.31	22.6	Rt	505.74
4	"PR-A"	21+30.31	17.6	Rt	505.21
5	"PR-A"	21+30.31	23.4	Rt	505.29
6	"PR-A"	21+35.63	17.6	Rt	505.15
7	"PR-A"	22+17.50	17.6	Rt	505.17
8	"PR-A"	22.26.80	17.6	Rt	505.29
9	"PR-A"	22+26.80	23.2	Rt	505.38
10	"PR-A"	22+31.90	17.6	Rt	505.47
11	"PR-A"	22+31.90	22.6	Rt	505.55
12	"PR-A"	22+34.52	10.0	Rt	505.32

Point	Line	Station	Offset		Elevation
51	"S-2-A"	1+00.00	0.0	CL	505.86
52	"S-2-A"	1+10.00	0.0	CL	505.66
53	"S-2-A"	1+17.58	32.1	Lt	505.19
54	"S-2-A"	1+23.62	34.2	Rt	505.05
55	"S-2-A"	1+26.64	28.7	Lt	504.95
56	"S-2-A"	1+31.48	30.8	Rt	504.92
57	"S-2-A"	1+35.54	33.1	Lt	504.89
58	"S-2-A"	1+35.64	29.0	Lt	504.83
59	"S-2-A"	1+37.60	30.8	Rt	504.85
60	"S-2-A"	1+37.60	34.8	Rt	804.92
61	"S-2-A"	1+40.53	33.1	Lt	504.39
62	"S-2-A"	1+40.64	29.0	Lt	504.33
63	"S-2-A"	1+40.82	25.4	Lt	503.67
64	"S-2-A"	1+42.60	34.8	Rt	504.40
65	"S-2-A"	1+42.60	30.8	Rt	504.32
66	"S-2-A"	1+43.83	0.0	CL	503.89
67	"S-2-A"	1+47.65	23.5	Rt	503.00
68	"S-2-A"	1+48.40	5.0	Lt	503.29
69	"S-2-A"	1+48.40	5.0	Rt	503.29
70	"S-2-A"	1+50.34	23.5	Rt	502.70
71	"S-2-A"	1+65.00	24.0	Rt	499.48
72	"S-2-A"	1+83.17	5.0	Rt	499.70
73	"S-2-A"	1+92.01	24.0	Rt	499.27
74	"S-2-A"	1+97.24	23.6	Lt	499.62
75	"S-2-A"	1+98.47	5.0	Lt	499.28
76	"S-2-A"	1+97.49	23.6	Lt	499.28
77	"S-2-A"	1+98.47	5.0	Lt	499.62





DETAIL "A"
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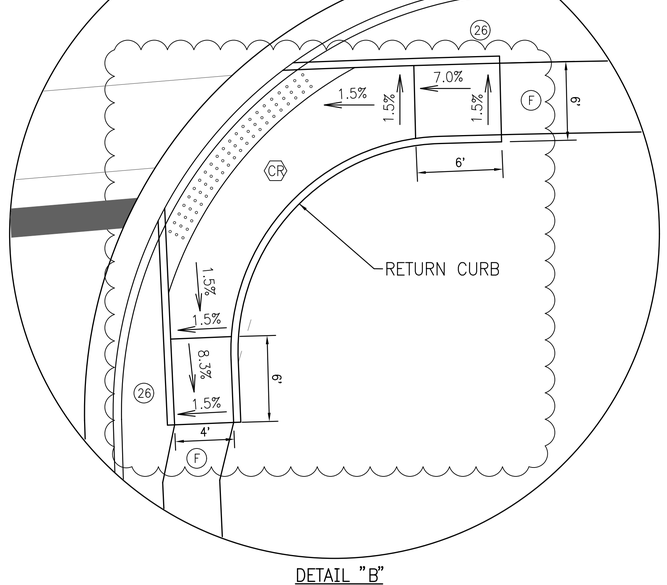

DETAIL "B"
Scale: 1"=5'

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.

LEGEND:

- DETECTABLE WARNING SURFACE
- CR — CURB RAMP, CONCRETE
- F — SIDEWALK, CONCRETE
- 26 — SODDING, NURSERY

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP
CHECKED: MSM | CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
W OAKWOOD & MT. TABOR

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808

SURVEY BOOK	SHEETS
ELECTRONIC	62 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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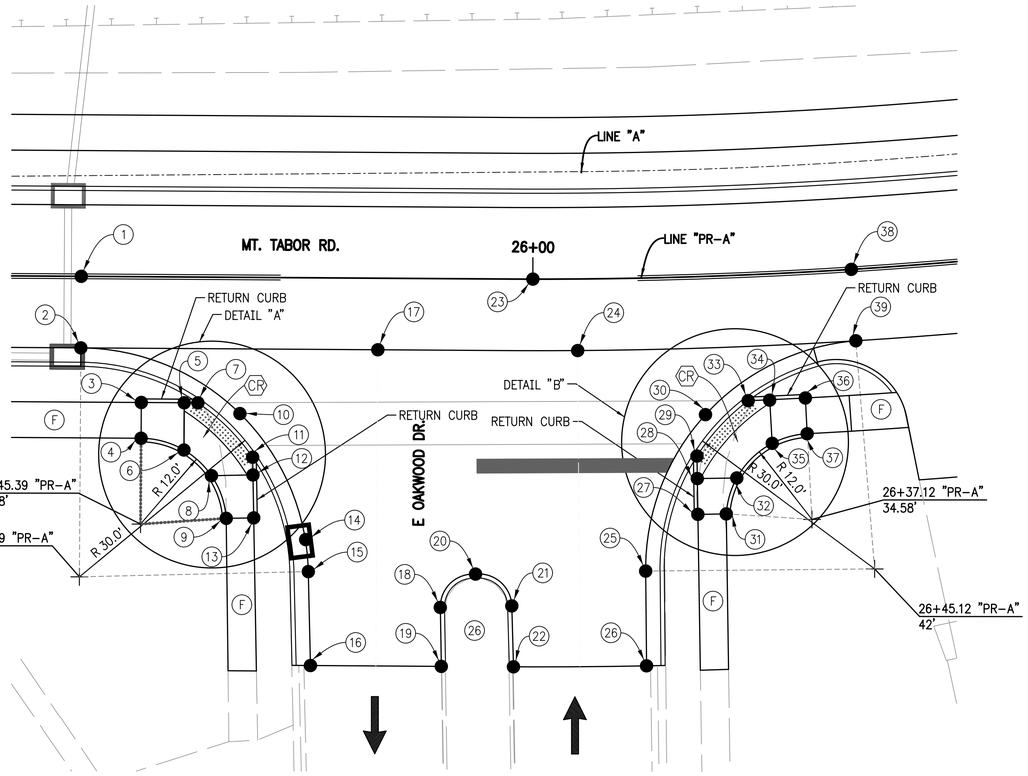
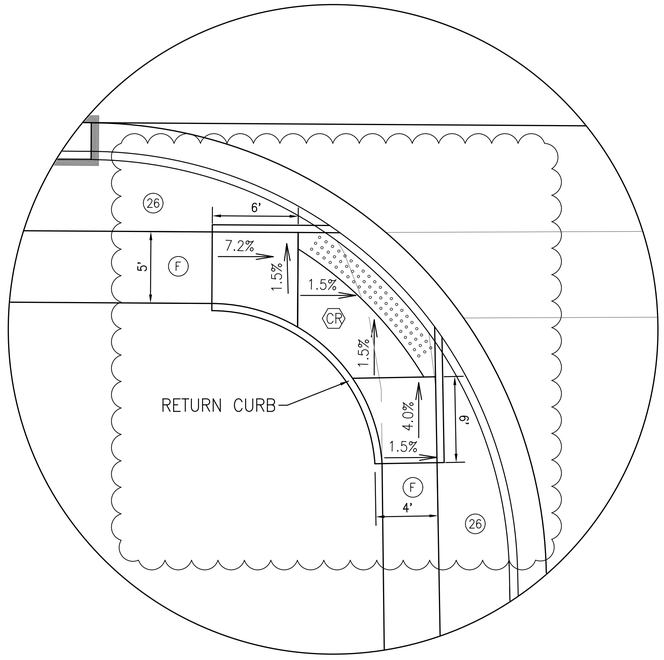
Added Return Curb 1-22-2018

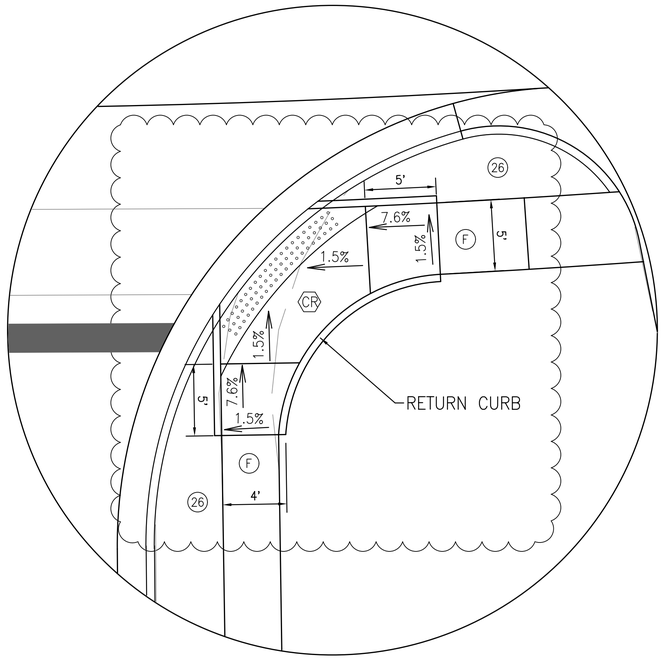
Point	Line	Station	Offset		Elevation
1	"PR-A"	25+36.89	0.0	CL	492.56
2	"PR-A"	25+36.89	10.0	Rt	492.36
3	"PR-A"	25+45.39	17.6	Rt	491.91
4	"PR-A"	25+45.39	22.6	Rt	491.99
5	"PR-A"	25+51.39	17.6	Rt	491.48
6	"PR-A"	25+51.39	24.2	Rt	491.58
7	"PR-A"	25+53.29	17.6	Rt	491.45
8	"PR-A"	25+55.25	27.8	Rt	491.34
9	"PR-A"	25+57.35	33.7	Rt	491.55
10	"PR-A"	25+29.18	19.1	Rt	491.24
11	"PR-A"	25+60.99	25.1	Rt	491.29
12	"PR-A"	25+61.05	27.6	Rt	491.25
13	"PR-A"	25+61.20	33.6	Rt	491.49
14	"PR-A"	25+68.47	36.6	Rt	490.54
15	"PR-A"	25+68.87	41.1	Rt	490.56
16	"PR-A"	25+69.25	54.2	Rt	490.63
17	"PR-A"	25+78.00	10.0	Rt	491.25
18	"PR-A"	25+87.35	46.0	Rt	490.95
19	"PR-A"	25+87.54	54.2	Rt	490.97
20	"PR-A"	25+92.24	41.3	Rt	490.50

Point	Line	Station	Offset		Elevation
21	"PR-A"	25+97.31	45.7	Rt	490.58
22	"PR-A"	25+97.57	54.2	Rt	490.84
23	"PR-A"	26+00.00	0.0	CL	490.84
24	"PR-A"	26+06.00	10.0	Rt	490.46
25	"PR-A"	26+14.94	41.0	Rt	490.06
26	"PR-A"	26+14.81	54.2	Rt	490.48
27	"PR-A"	26+22.05	33.2	Rt	490.26
28	"PR-A"	26+22.12	28.2	Rt	489.88
29	"PR-A"	26+22.17	25.1	Rt	489.84
30	"PR-A"	26+23.50	19.3	Rt	489.94
31	"PR-A"	26+25.84	33.3	Rt	490.32
32	"PR-A"	26+27.43	28.3	Rt	489.97
33	"PR-A"	26+29.38	17.6	Rt	489.68
34	"PR-A"	26+32.30	17.6	Rt	489.73
35	"PR-A"	26+32.39	23.7	Rt	489.82
36	"PR-A"	26+37.18	17.6	Rt	490.11
37	"PR-A"	26+37.18	22.6	Rt	490.18
38	"PR-A"	26+44.53	0.0	CL	489.45
39	"PR-A"	26+44.53	10.0	Rt	489.25





DETAIL "A"
Scale: 1"=5'



DETAIL "B"
Scale: 1"=5'

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.

LEGEND:

DETECTABLE WARNING SURFACE

CR — CURB RAMP, CONCRETE

F — SIDEWALK, CONCRETE

26 — SODDING, NURSERY

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP

CHECKED: MSM | CHECKED: AMP

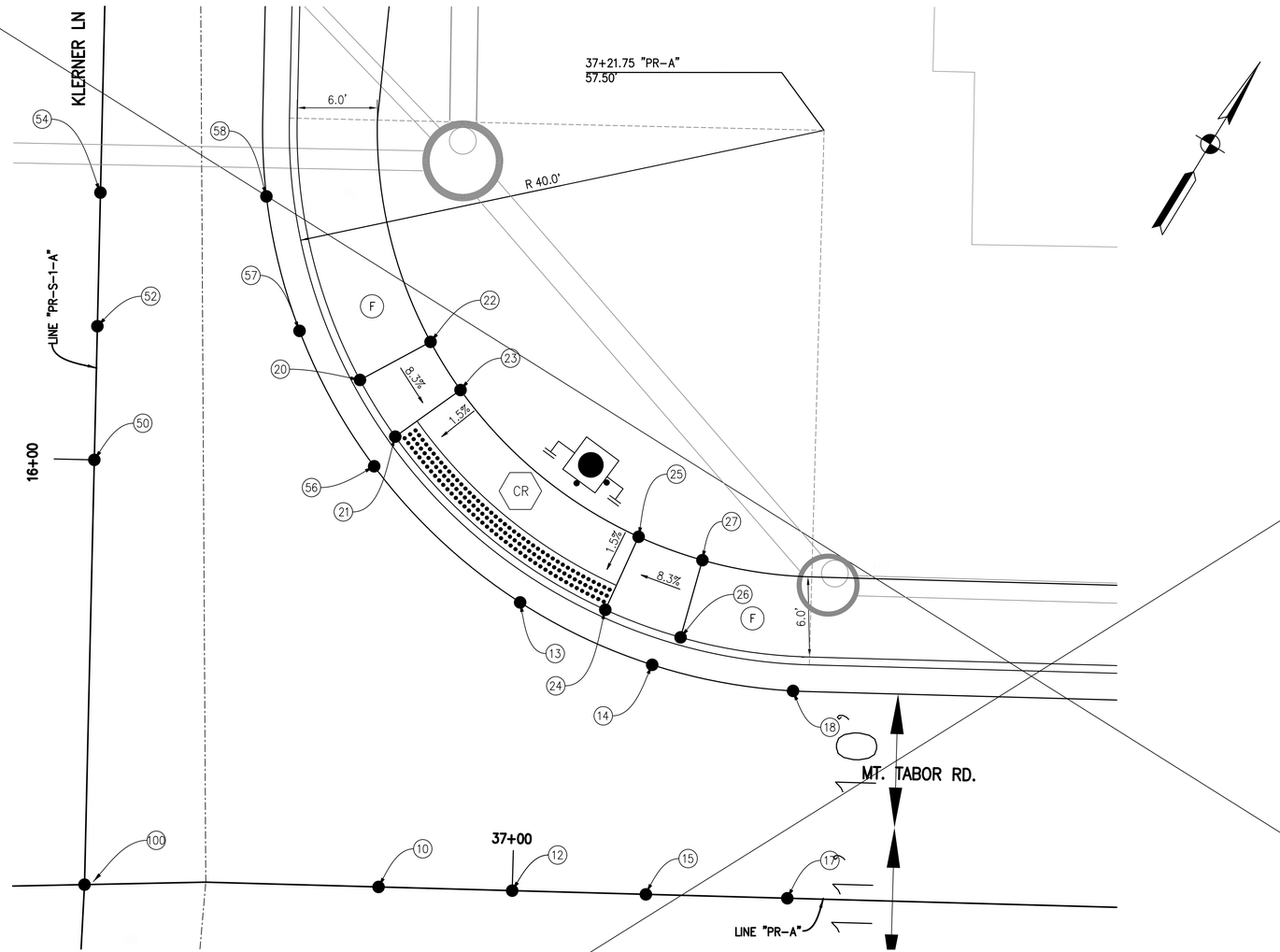
INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
E OAKWOOD & MT. TABOR

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	63 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

jpa.tel | 1/30/2018 | 2:57:25 PM | P:\0910150_Mt_Tabor\09 Road - Indiana\04 Design Files\3D\N Plans - P1\0910150_10_Spot Elev_01.dgn

Sheet Not Used 1-22-2018



Point	Line	Station	Offset (ft)		Elevation
20	"PR-A"	36+87.60	37.9	Lt	477.19
10	"PR-A"	36+90.00	0.0	CL	477.65
21	"PR-A"	36+90.3	33.7	Lt	476.84
22	"PR-A"	36+92.8	40.9	Lt	477.28
23	"PR-A"	36+95.1	37.3	Lt	476.93
12	"PR-A"	37+00.00	0.0	CL	477.57
13	"PR-A"	37+00.00	22.0	Lt	477.19
24	"PR-A"	37+06.4	21.2	Lt	477.17
25	"PR-A"	37+08.7	26.7	Lt	477.26
15	"PR-A"	37+10.00	0.0	CL	477.50
14	"PR-A"	37+10.00	17.0	Lt	477.24
26	"PR-A"	37+12.1	19.3	Lt	477.67
27	"PR-A"	37+13.5	25.1	Lt	477.76
17	"PR-A"	37+20.00	0.0	CL	477.43
18	"PR-A"	37+20.00	15.5	Lt	477.20
100	"PR-A"	36+68.00	0	CL	477.85
50	"PR-S-1-A"	16+00.00	0.0	CL	477.18
56	"PR-S-1-A"	16+00.00	21.0	Rt	476.88
52	"PR-S-1-A"	16+10.00	0.0	CL	476.88
57	"PR-S-1-A"	16+10.00	15.0	Rt	476.58
54	"PR-S-1-A"	16+20.00	0.0	CL	476.54
58	"PR-S-1-A"	16+20.00	12.0	Rt	476.30

LEGEND:

DETECTABLE WARNING SURFACE

CR — CURB RAMP, CONCRETE

F — SIDEWALK, CONCRETE

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.
2. For Signal details See Signal plan sheets

MONTE S. MILDENBERG — REGISTERED — No PE60880378 — STATE OF INDIANA — PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP
CHECKED: MSM | CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
KLERNER LN & MT. TABOR RD. (NE CORNER)

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	64 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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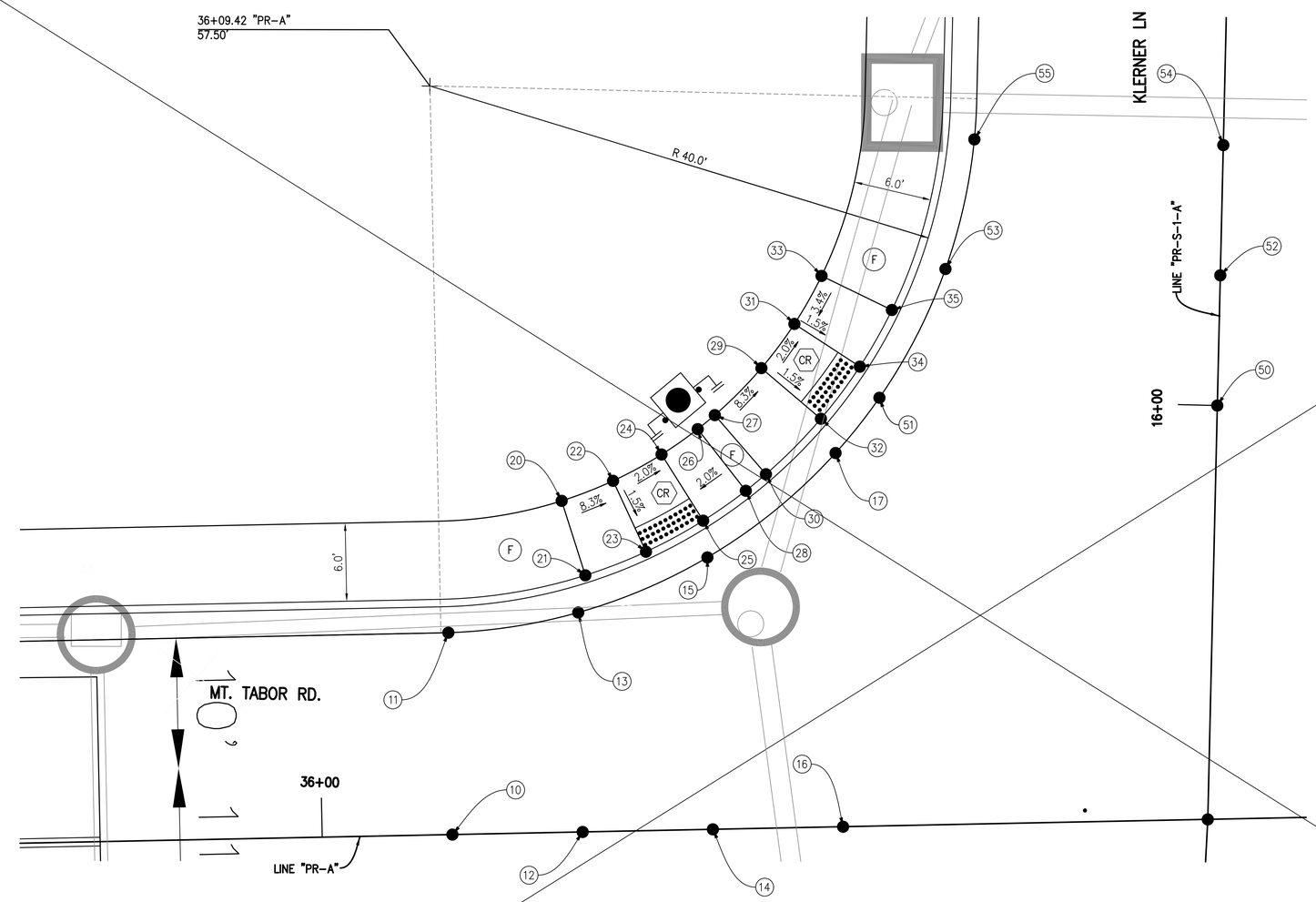

Point	Line	Station	Offset (ft)		Elevation
10	"PR-A"	36+10.00	0.0	CL	478.49
11	"PR-A"	36+10.00	15.5	Lt	478.18
20	"PR-A"	36+18.90	25.5	Lt	478.31
12	"PR-A"	36+20.00	0.0	CL	478.37
13	"PR-A"	36+20.00	17.0	Lt	478.00
21	"PR-A"	36+20.6	19.7	Lt	478.22
22	"PR-A"	36+22.9	26.9	Lt	477.89
23	"PR-A"	36+25.3	21.4	Lt	477.80
24	"PR-A"	36+26.6	28.9	Lt	477.79
25	"PR-A"	36+29.7	23.7	Lt	477.70
26	"PR-A"	36+29.5	30.7	Lt	477.87
14	"PR-A"	36+30.00	0.0	CL	478.25
15	"PR-A"	36+30.00	21.0	Lt	477.72
27	"PR-A"	36+30.8	31.8	Lt	477.78
28	"PR-A"	36+33.0	25.9	Lt	477.78
29	"PR-A"	36+34.40	35.3	Lt	477.28
30	"PR-A"	36+34.6	27.2	Lt	477.69
31	"PR-A"	36+37.00	38.7	Lt	477.18
32	"PR-A"	36+38.9	31.4	Lt	477.19
33	"PR-A"	36+39.2	42.3	Lt	477.35
16	"PR-A"	36+40.00	0.0	CL	478.25
17	"PR-A"	36+40.00	28.0	Lt	477.48
34	"PR-A"	36+42.00	35.3	Lt	477.09
35	"PR-A"	36+44.50	39.6	Lt	477.26
100	"PR-A"	36+68.00	0	CL	477.85
50	"PR-S-1-A"	16+00.00	0.0	CL	477.18
51	"PR-S-1-A"	16+00.00	26.0	Lt	477.13
52	"PR-S-1-A"	16+10.00	0.0	CL	476.88
53	"PR-S-1-A"	16+10.00	21.0	Lt	476.67
54	"PR-S-1-A"	16+20.00	0.0	CL	476.54
55	"PR-S-1-A"	16+20.00	19.0	Lt	476.35

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.
2. For Signal details See Signal plan sheets

LEGEND:

DETECTABLE WARNING SURFACE

CR — CURB RAMP, CONCRETE

F — SIDEWALK, CONCRETE

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S. Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
KLERNER LN & MT. TABOR RD. (NW CORNER)

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	65 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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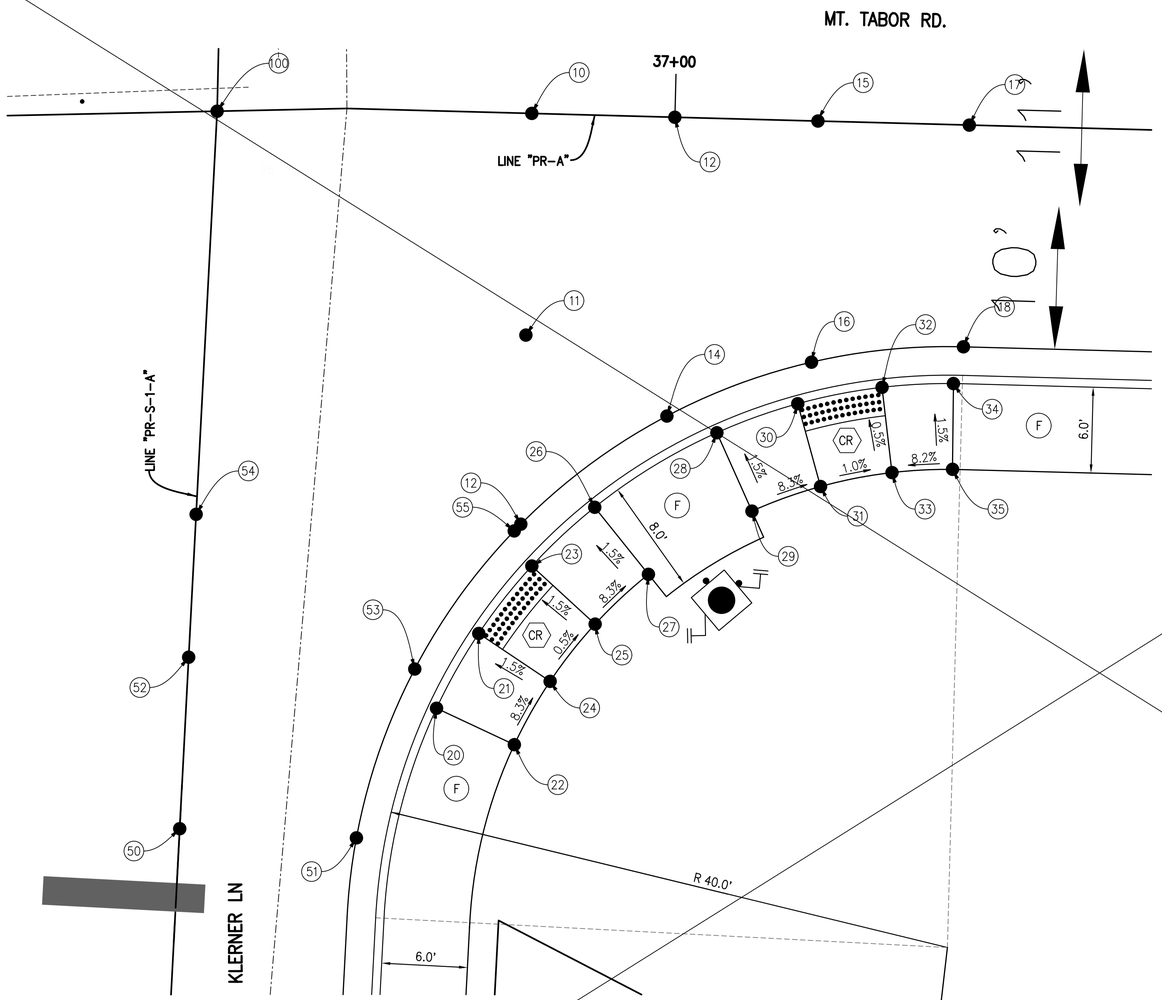

Point	Line	Station	Offset (ft)		Elevation
20	"PR-A"	36+84.5	41.7	Rt	478.61
21	"PR-A"	36+87.3	36.4	Rt	478.12
10	"PR-A"	36+90.00	0.0	CL	477.65
11	"PR-A"	36+90.00	15.5	Rt	477.89
12	"PR-A"	36+90.00	28.0	Rt	478.07
22	"PR-A"	36+90.00	44.1	Rt	478.70
23	"PR-A"	36+90.8	31.6	Rt	478.09
24	"PR-A"	36+92.3	39.6	Rt	478.21
25	"PR-A"	36+95.1	27.4	Rt	478.18
26	"PR-A"	36+95.4	35.6	Rt	478.59
27	"PR-A"	36+99.0	32	Rt	478.68
12	"PR-A"	37+00.00	0.0	CL	477.57
14	"PR-A"	37+00.00	21.0	Rt	477.88
28	"PR-A"	37+03.5	22	Rt	478.29
29	"PR-A"	37+06.1	27.4	Rt	478.38
30	"PR-A"	37+09.1	19.8	Rt	477.79
15	"PR-A"	37+10.00	0.0	CL	477.50
16	"PR-A"	37+10.00	17.0	Rt	477.76
31	"PR-A"	37+10.9	25.5	Rt	477.82
17	"PR-A"	37+20.58	0.0	CL	477.43
18	"PR-A"	37+20.58	15.5	Rt	477.68
32	"PR-A"	37+15.00	18.5	Rt	477.73
33	"PR-A"	37+15.8	24.4	Rt	477.77
34	"PR-A"	37+20.0	18.1	Rt	478.14
35	"PR-A"	37+20.1	24.1	Rt	478.23
100	"PR-A"	36+68.00	0	CL	477.85
50	"PR-S-1-A"	15+18.00	0.0	CL	478.63
51	"PR-S-1-A"	15+18.00	12.0	Rt	478.39
52	"PR-S-1-A"	15+30.00	0.0	CL	478.45
53	"PR-S-1-A"	15+30.00	16.0	Rt	478.13
54	"PR-S-1-A"	15+40.00	0.0	CL	478.29
55	"PR-S-1-A"	15+40.00	22.0	Rt	478.07

LEGEND:

DETECTABLE WARNING SURFACE

CR — CURB RAMP, CONCRETE

F — SIDEWALK, CONCRETE

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.
2. For Signal details See Signal plan sheets

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
KLERNER LN & MT. TABOR RD. (SE CORNER)

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	66 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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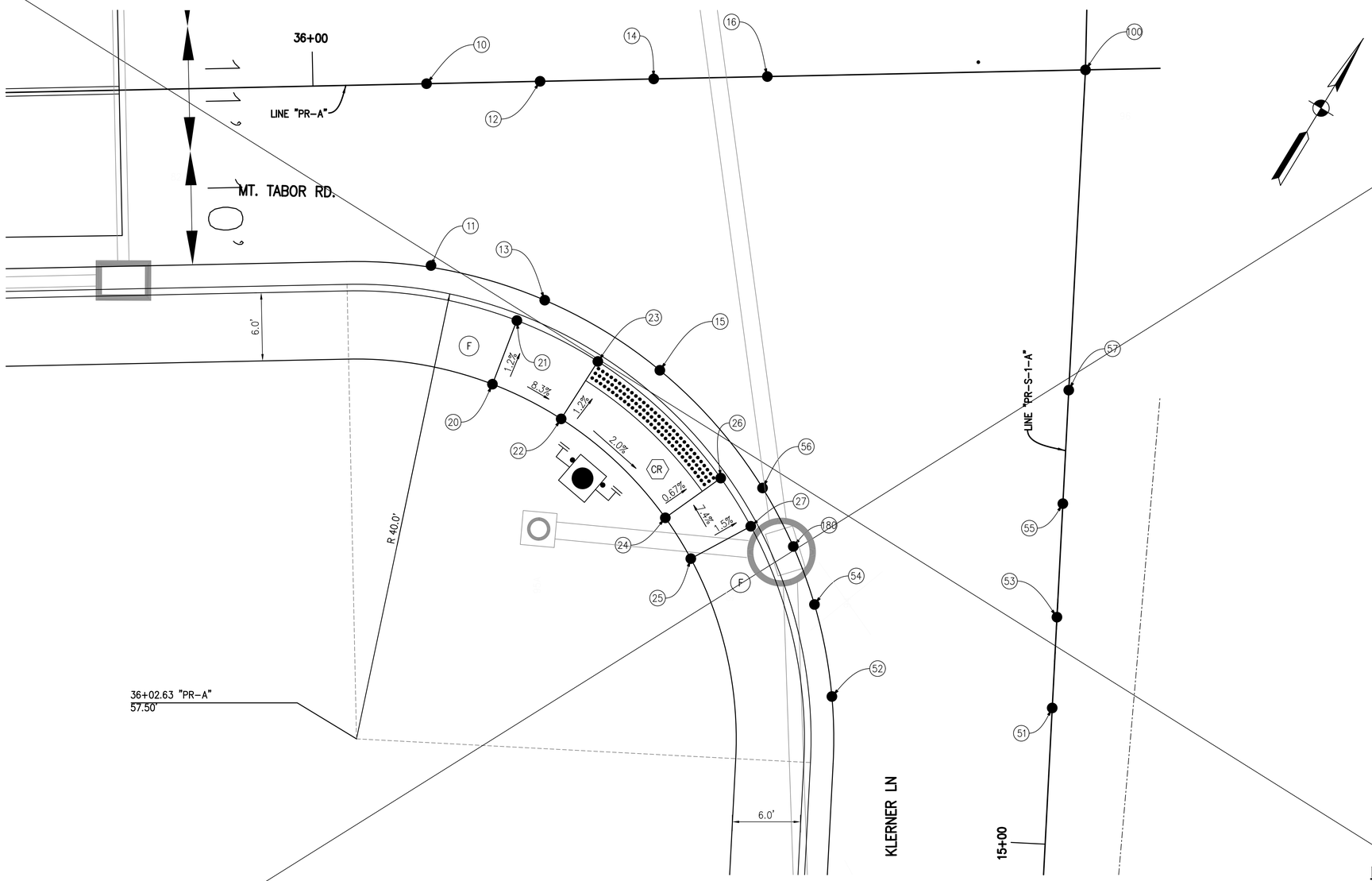

Point	Line	Station	Offset		Elevation
10	"PR-A"	36+10.06	0.0	CL	478.49
11	"PR-A"	36+10.06	16.0	Rt	478.73
20	"PR-A"	36+15.2	26.6	Rt	479.30
21	"PR-A"	36+17.5	21.0	Rt	479.21
12	"PR-A"	36+20.00	0.0	CL	478.37
13	"PR-A"	36+20.00	19.0	Rt	478.74
22	"PR-A"	36+21.2	29.7	Rt	478.64
23	"PR-A"	36+24.6	24.7	Rt	478.55
14	"PR-A"	36+30.00	0.0	CL	478.25
15	"PR-A"	36+30.00	25.0	Rt	478.50
24	"PR-A"	36+30.2	38.6	Rt	478.33
25	"PR-A"	36+32.4	42.3	Rt	478.74
26	"PR-A"	36+35.2	35.2	Rt	478.29
27	"PR-A"	36+37.7	39.5	Rt	478.65
16	"PR-A"	36+40.00	0.0	CL	478.25
100	"PR-A"	36+68.00	0	CL	477.85
51	"PR-S-1-A"	15+12.00	12.0	Lt	478.48
52	"PR-S-1-A"	15+12.00	0.0	CL	478.73
53	"PR-S-1-A"	15+20.00	0.0	CL	478.60
54	"PR-S-1-A"	15+20.00	21.0	Lt	478.18
180	"PR-S-1-A"	15+25.00	23.5	Lt	478.07
55	"PR-S-1-A"	15+30.00	0.0	CL	478.45
56	"PR-S-1-A"	15+30.00	0.0	Lt	478.22
57	"PR-S-1-A"	15+40.00	0.0	CL	478.29

LEGEND:

DETECTABLE WARNING SURFACE

CR — CURB RAMP, CONCRETE

F — SIDEWALK, CONCRETE

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.
2. For Signal details See Signal plan sheets

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
KLERNER LN & MT. TABOR RD. (SW CORNER)

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	67 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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Sheet Added 1-22-2018

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.
2. For Signal Details, See Signal Plan Sheet

LEGEND:

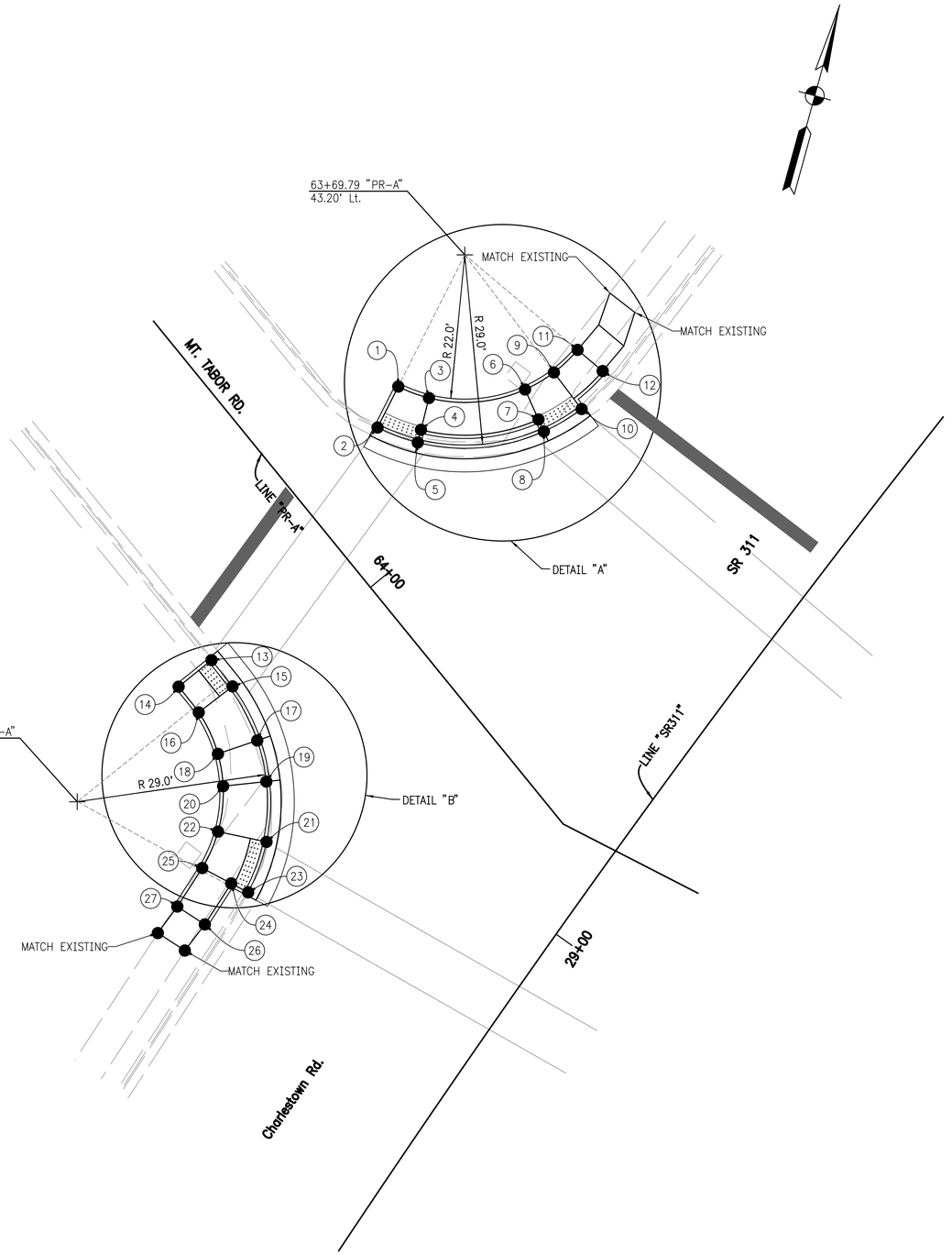
DETECTABLE WARNING SURFACE

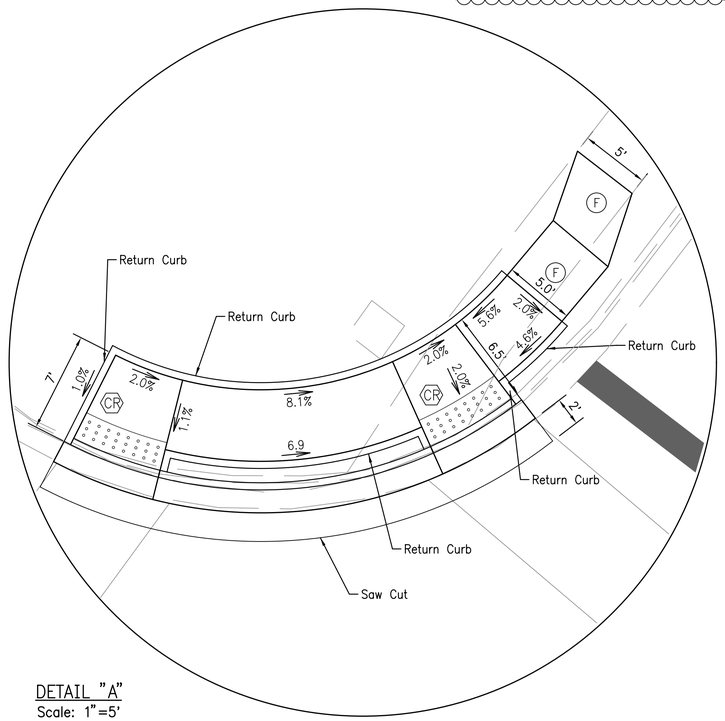
CR — CURB RAMP, CONCRETE

F — SIDEWALK, CONCRETE

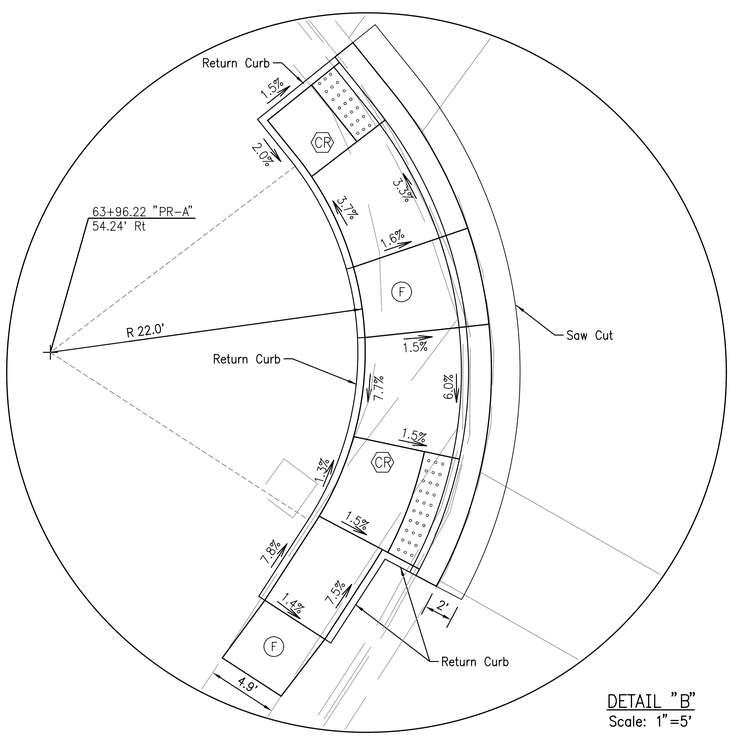
Charlestown Rd. (Northwest Curb Ramp)					
Point	Line	Station	Offset		Elevation
1	"PR-A"	63+78.95	22.6	Lt.	445.07
2	"PR-A"	63+81.80	16.3	Lt.	445.00
3	"PR-A"	63+83.26	25.2	Lt.	444.97
4	"PR-A"	63+86.25	21.2	Lt.	444.91
5	"PR-A"	63+87.44	19.6	Lt.	444.89
6	"SR311"	28+36.74	53.0	Rt.	443.75
7	"SR311"	28+39.07	48.6	Rt.	443.65
8	"SR311"	28+40.01	46.8	Rt.	443.61
9	"SR311"	28+32.13	51.1	Rt.	443.65
10	"SR311"	28+33.96	44.3	Rt.	443.51
11	"SR311"	28+27.33	50.3	Rt.	443.93
12	"SR311"	28+27.55	45.3	Rt.	443.83

Charlestown Rd. (Southwest Curb Ramp)					
Point	Line	Station	Offset		Elevation
13	"PR-A"	63+93.29	25.8	Rt.	444.54
14	"PR-A"	63+93.25	32.2	Rt.	444.64
15	"PR-A"	63+98.42	25.8	Rt.	444.44
16	"PR-A"	63+98.23	32.3	Rt.	444.54
17	"PR-A"	64+07.19	28.1	Rt.	444.70
18	"PR-A"	64+04.99	34.1	Rt.	444.80
19	"SR311"	29+06.37	49.4	Rt.	444.59
20	"SR311"	29+10.66	54.5	Rt.	444.69
21	"SR311"	29+13.75	44.2	Rt.	444.04
22	"SR311"	29+16.62	51.2	Rt.	444.15
23	"SR311"	29+21.50	42.1	Rt.	444.11
24	"SR311"	29+21.84	45.0	Rt.	444.15
25	"SR311"	29+22.41	50.0	Rt.	444.23
26	"SR311"	29+29.10	44.8	Rt.	444.71
27	"SR311"	29+29.23	49.8	Rt.	444.78





DETAIL "A"
Scale: 1"=5'



DETAIL "B"
Scale: 1"=5'

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S. Mildenberg 1/22/2018
DESIGN ENGINEER DATE

DESIGNED: AMP DRAWN: JJP
CHECKED: MSM CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
CHARLESTOWN RD. & MT. TABOR RD.

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	67-1 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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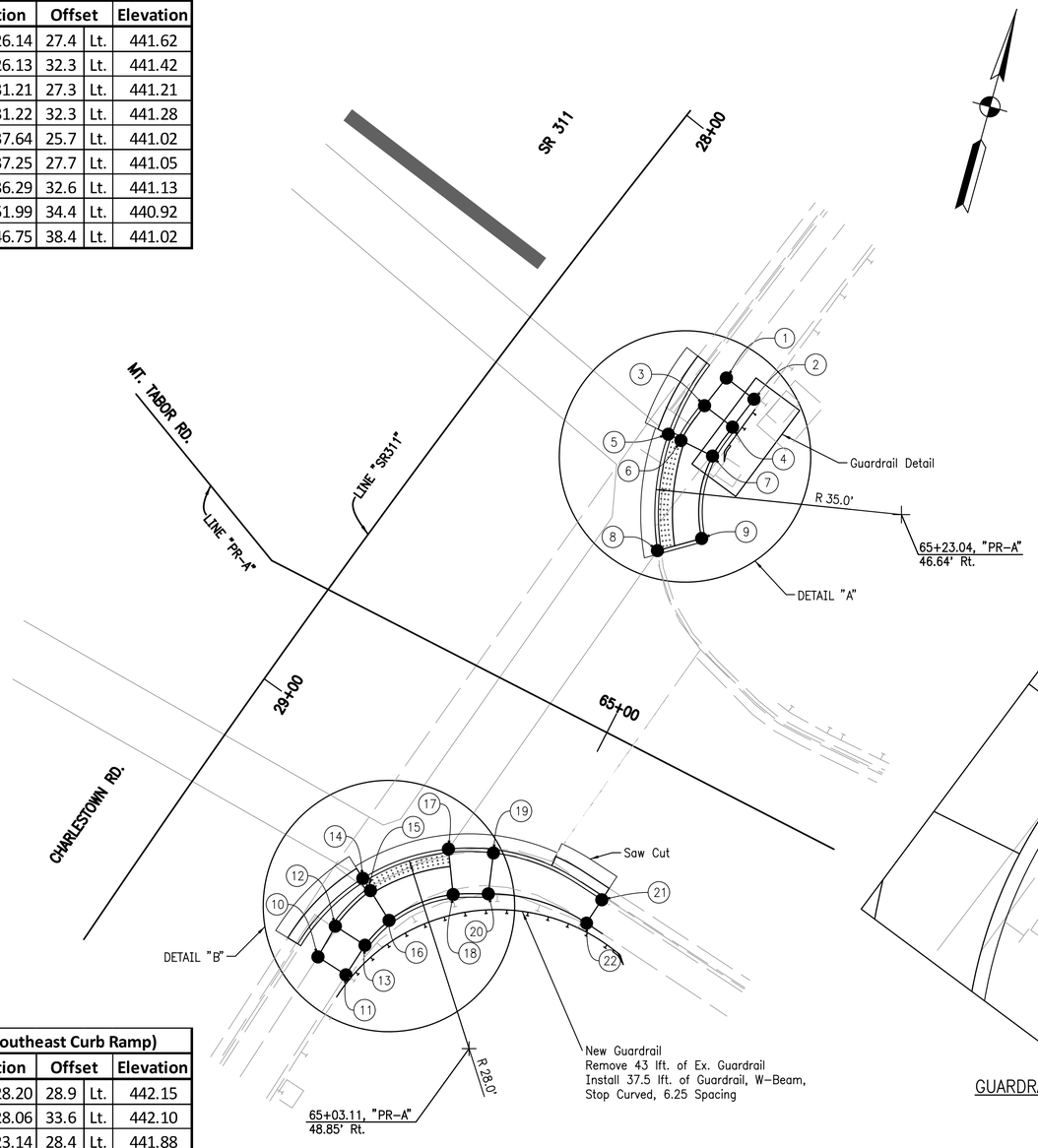
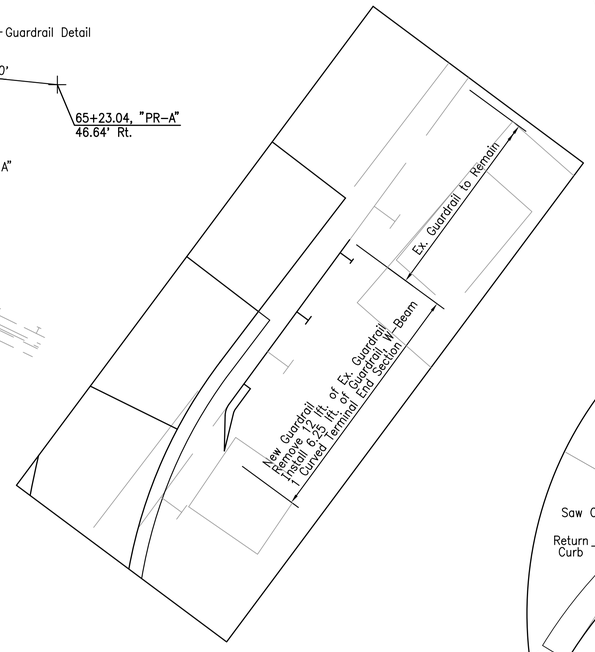
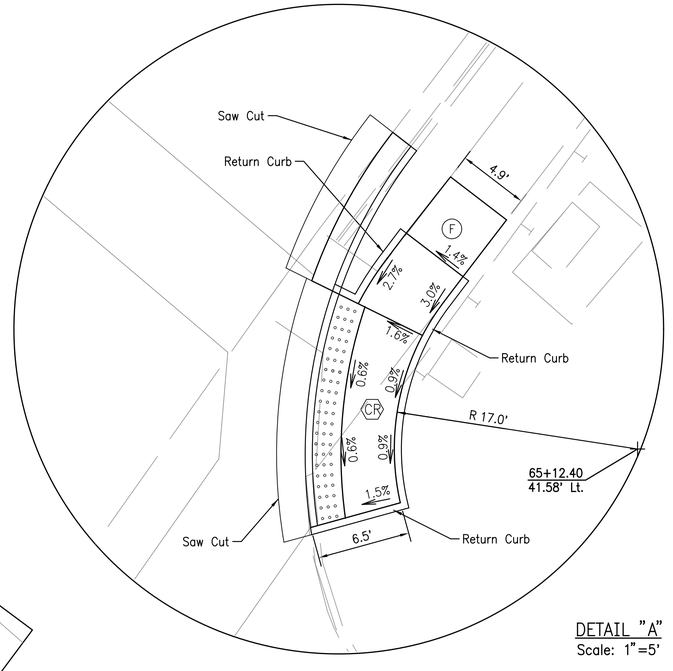
Charlestown Rd. (Northeast Curb Ramp)					
Point	Line	Station	Offset		Elevation
1	"SR311"	28+26.14	27.4	Lt.	441.62
2	"SR311"	28+26.13	32.3	Lt.	441.42
3	"SR311"	28+31.21	27.3	Lt.	441.21
4	"SR311"	28+31.22	32.3	Lt.	441.28
5	"SR311"	28+37.64	25.7	Lt.	441.02
6	"SR311"	28+37.25	27.7	Lt.	441.05
7	"SR311"	28+36.29	32.6	Lt.	441.13
8	"SR311"	28+51.99	34.4	Lt.	440.92
9	"SR311"	28+46.75	38.4	Lt.	441.02

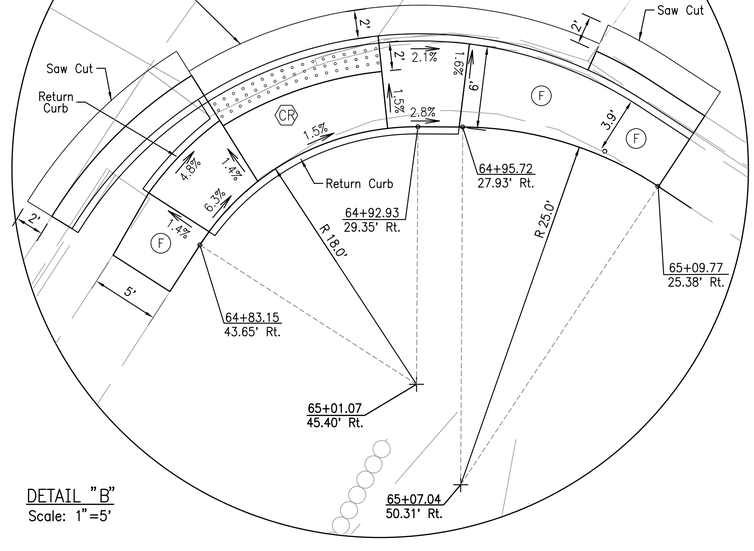




GUARDRAIL DETAIL
N.T.S.



DETAIL "A"
Scale: 1"=5'



DETAIL "B"
Scale: 1"=5'

Charlestown Rd. (Southeast Curb Ramp)					
Point	Line	Station	Offset		Elevation
10	"SR311"	29+28.20	28.9	Lt.	442.15
11	"SR311"	29+28.06	33.6	Lt.	442.10
12	"SR311"	29+23.14	28.4	Lt.	441.88
13	"SR311"	29+22.97	33.5	Lt.	441.95
14	"SR311"	29+15.22	27.7	Lt.	441.54
15	"SR311"	29+16.04	29.6	Lt.	441.56
16	"SR311"	29+18.05	34.3	Lt.	441.64
17	"SR311"	29+04.66	35.3	Lt.	441.39
18	"SR311"	29+09.66	39.6	Lt.	441.49
19	"SR311"	29+01.37	40.8	Lt.	441.26
20	"SR311"	29+06.64	43.6	Lt.	441.35
21	"SR311"	28+97.80	57.2	Lt.	441.28
22	"SR311"	29+01.88	57.4	Lt.	441.45

NOTES:

1. These dimensions are based on a 6 inch curb height, they should be proportionally adjusted for other curb heights.
2. For Signal Details, See Signal Plan Sheet

LEGEND:

DETECTABLE WARNING SURFACE

CR — CURB RAMP, CONCRETE

F — SIDEWALK, CONCRETE

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 1/22/2018
DESIGN ENGINEER DATE

DESIGNED: AMP | DRAWN: JJP
CHECKED: MSM | CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAIL
CHARLESTOWN RD. & MT. TABOR RD.

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	67-2 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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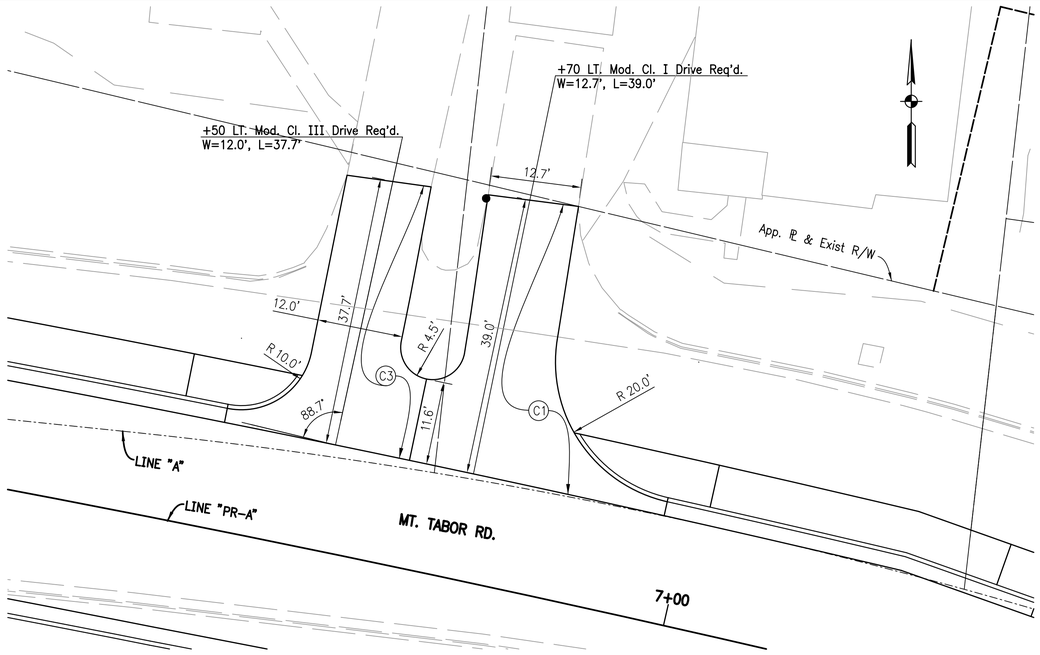
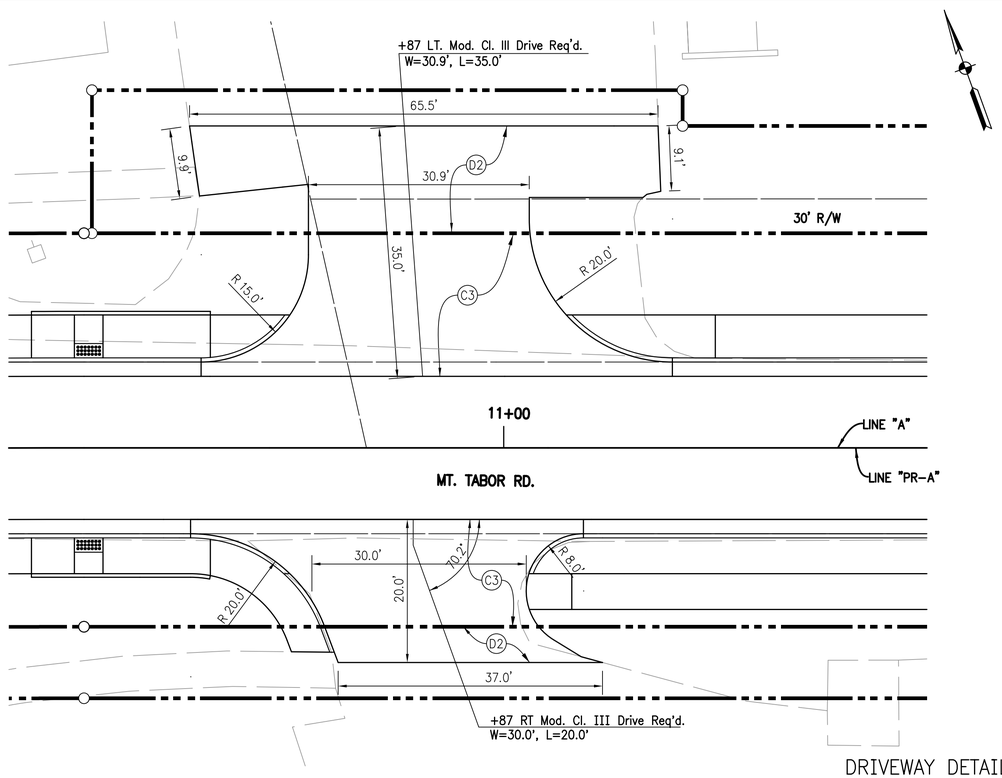
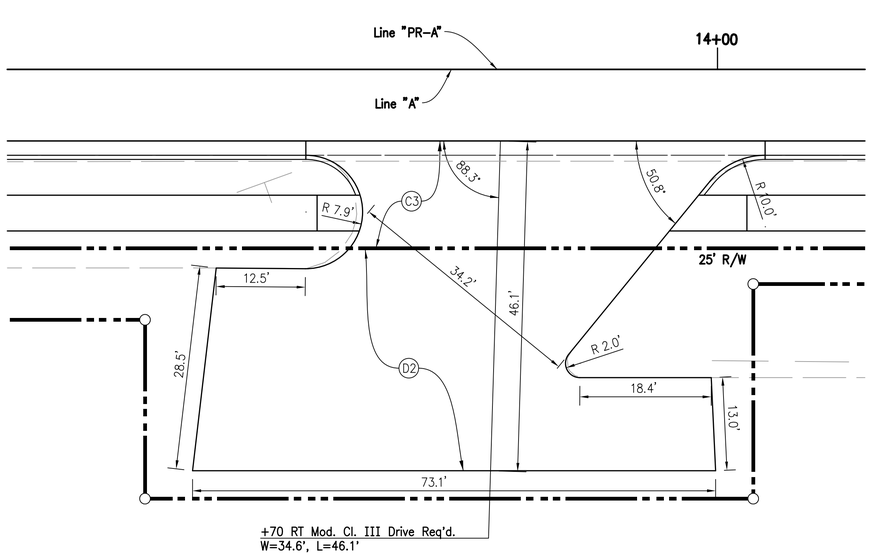


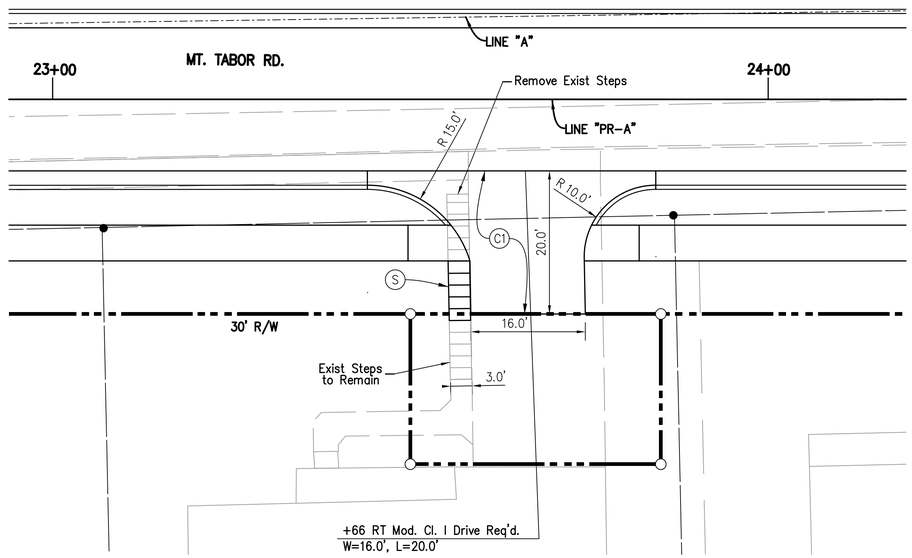
DRIVEWAY DETAILS
STA. 6+50.00 LT
STA. 6+70.00 LT



DRIVEWAY DETAILS
STA. 10+87.00 RT
STA. 10.87.00 LT



DRIVEWAY DETAILS
STA. 13+70.00 RT



DRIVEWAY DETAILS
STA. 23+66.00 RT

MONTE S. MILDENBERG
REGISTERED
No. PE60880378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AMP | DRAWN: JJP
CHECKED: MSM | CHECKED: AMP

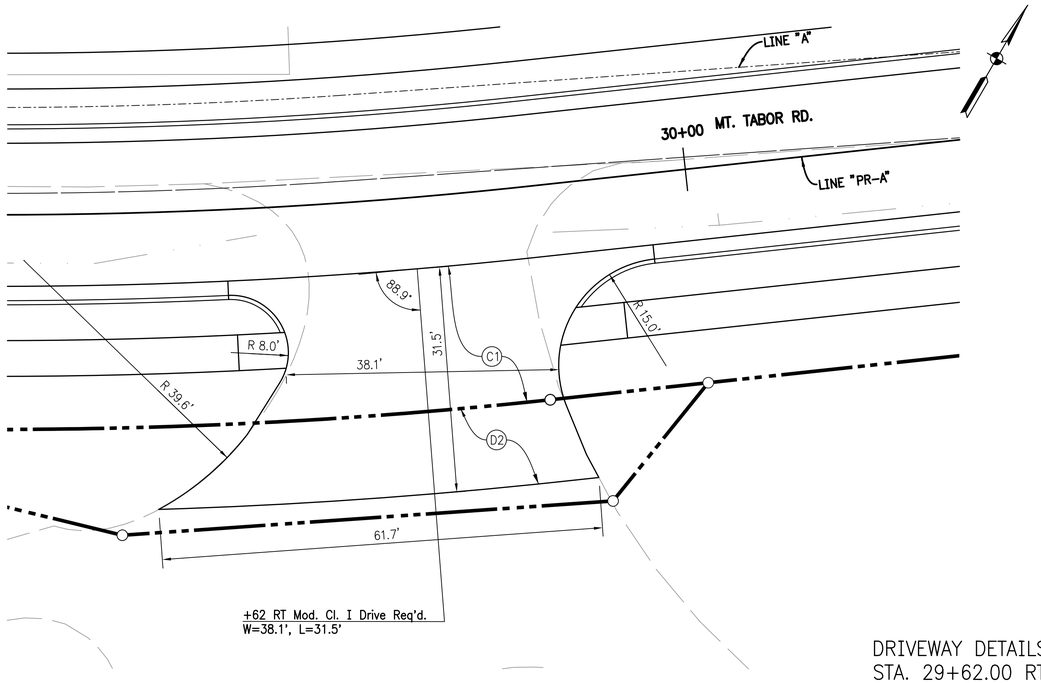
INDIANA DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS

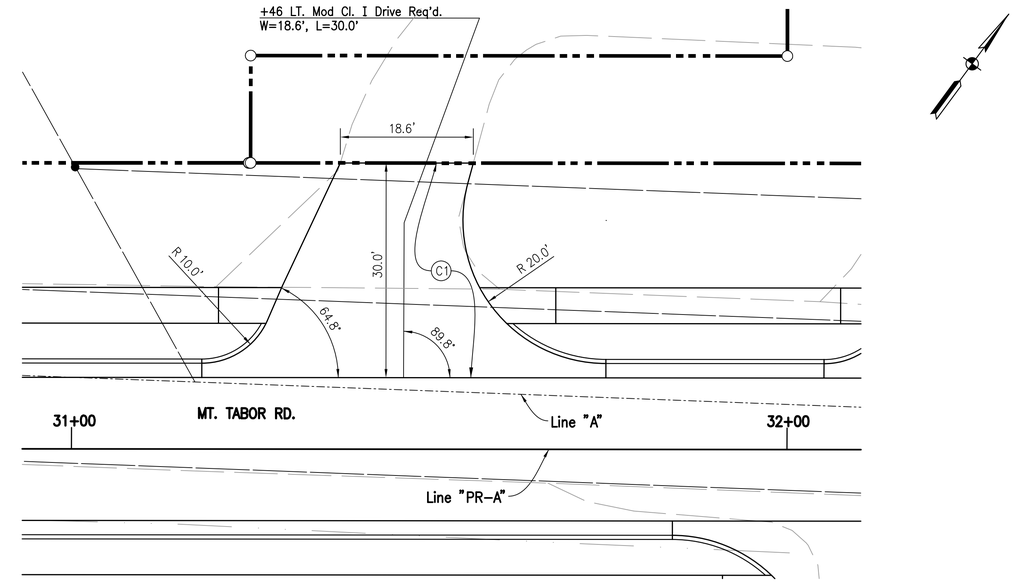
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	68 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

jpa.tel | 1/30/2018 | 2:57:38 PM | P:\V91050_MT_Tabor\09 Road - Indiana\04 Design Files\3D\N\Plans - P1\V91050_12_Drive Details_01.dgn

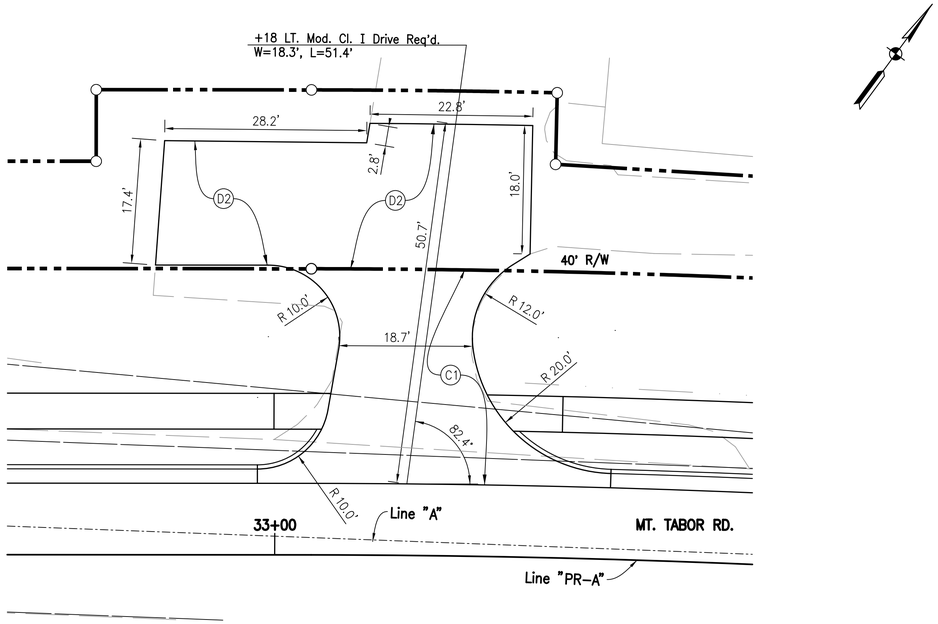
Add Curb Turnout 1-22-2018



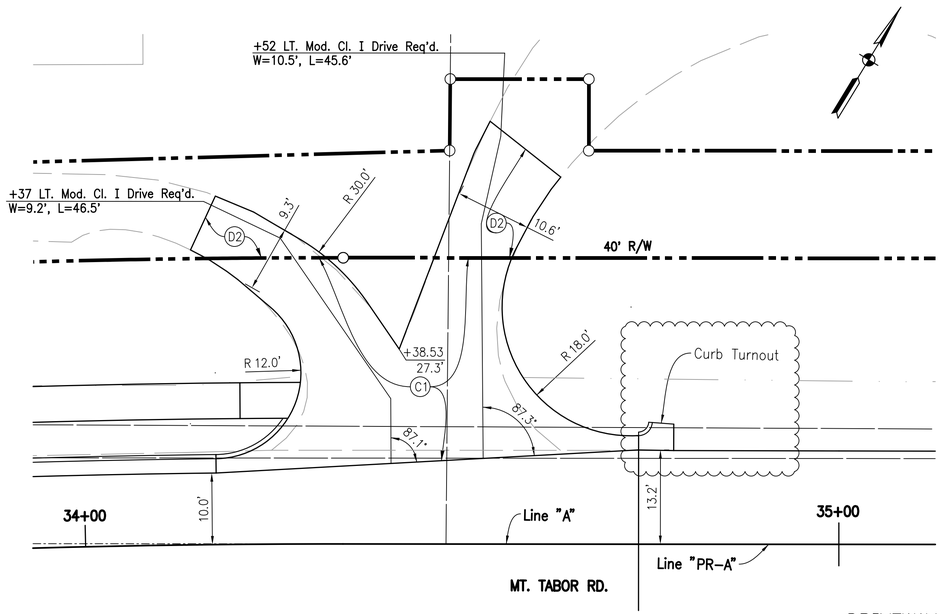
DRIVEWAY DETAILS
STA. 29+62.00 RT



DRIVEWAY DETAILS
STA. 31+46.40 LT



DRIVEWAY DETAILS
STA. 33+18 LT

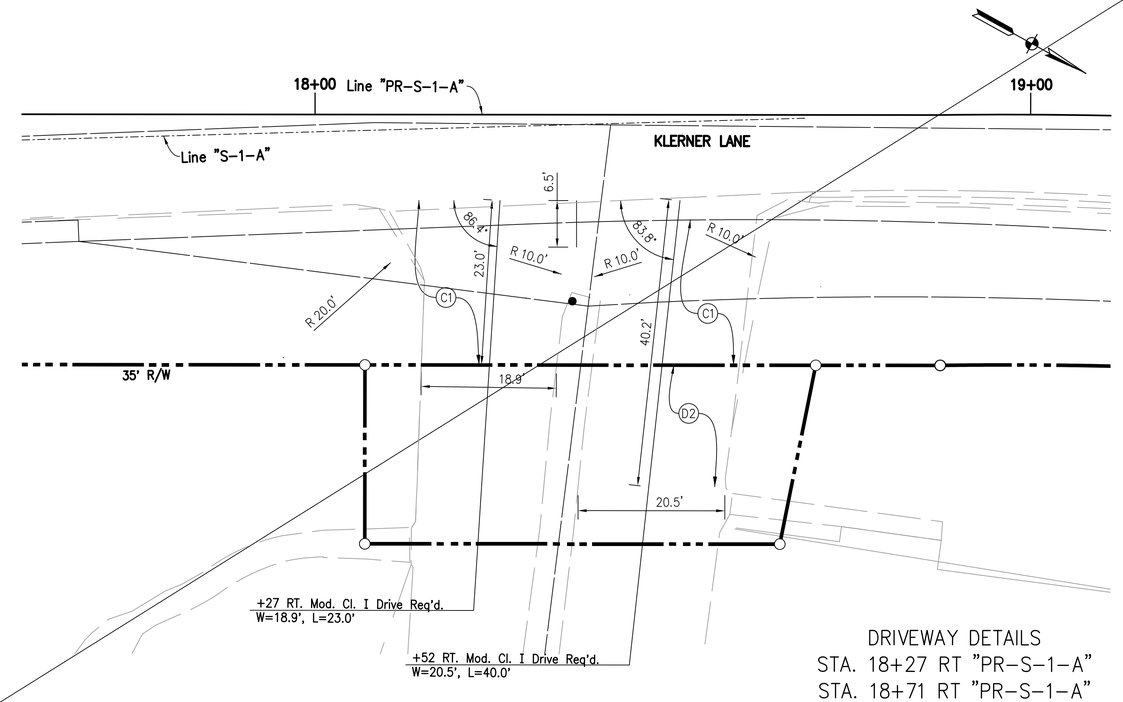


DRIVEWAY DETAILS
STA. 34+37.00 LT
STA. 34+52.00 LT

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER	RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 10'	BRIDGE FILE NA	
			VERTICAL SCALE N.A.	DESIGNATION NO. 0710808	
	DESIGNED: AMP	DRAWN: JJP	DRIVEWAY DETAILS	SURVEY BOOK ELECTRONIC	SHEETS 69 of 146
	CHECKED: MSM	CHECKED: AMP		CONTRACT R-33319	PROJECT NO. 0710808

jpatel 1/30/2018 2:57:38 PM P:\091050_Mt_Tabor\09 Road - Indiana\04 Design Files\DGN\Plans - P1\091050_12_Drive Details_01.dgn

Sheet Not Used 1-22-2018



DRIVEWAY DETAILS
STA. 18+27 RT "PR-S-1-A"
STA. 18+71 RT "PR-S-1-A"

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

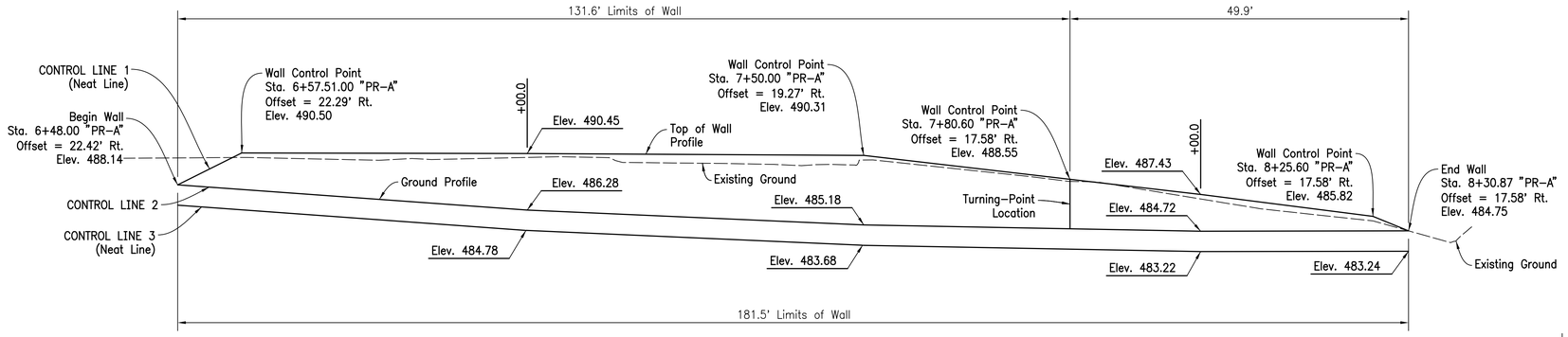
DESIGNED: AMP DRAWN: JJP
CHECKED: MSM CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	NA
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	70 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

jpatel 1/30/2018 2:57:38 PM P:\091050_Mt_Tabor\09 Road - Indiana\04 Design Files\DGN\Plans - P1\091050_12_Drive Details_01.dgn

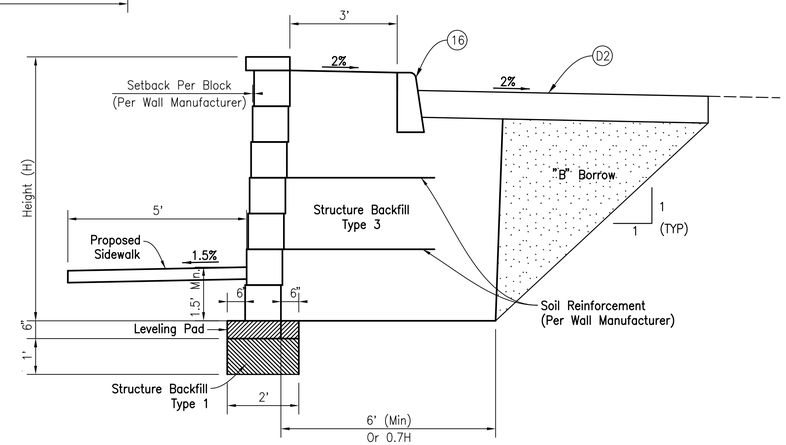


ELEVATION

Scale: 1" = 10' Horz.
1" = 5' Vert.

SUMMARY OF QUANTITIES - WALL 1 (LINE "PR-A")		
Wall Length	182	Lft.
Structure Backfill, Type 1	14	Cys.
Structure Backfill, Type 3	175	Cys.
"B" Borrow	88	Cys.
Excavation, Common	358	Cys.
Borrow	0	Cys.
Modular Block Wall with Ground Reinforcement	787	Sft.
Modular Block Wall Erection	787	Sft.

SUMMARY OF QUANTITIES - PARKING LOT (LINE "PR-A")		
HMA for Approaches, Type B	28	Ton
Compacted Aggregate No. 53	10	CYS
Subgrade Treatment Type II	127	Sys.
Curb, Concrete	142	Lft.



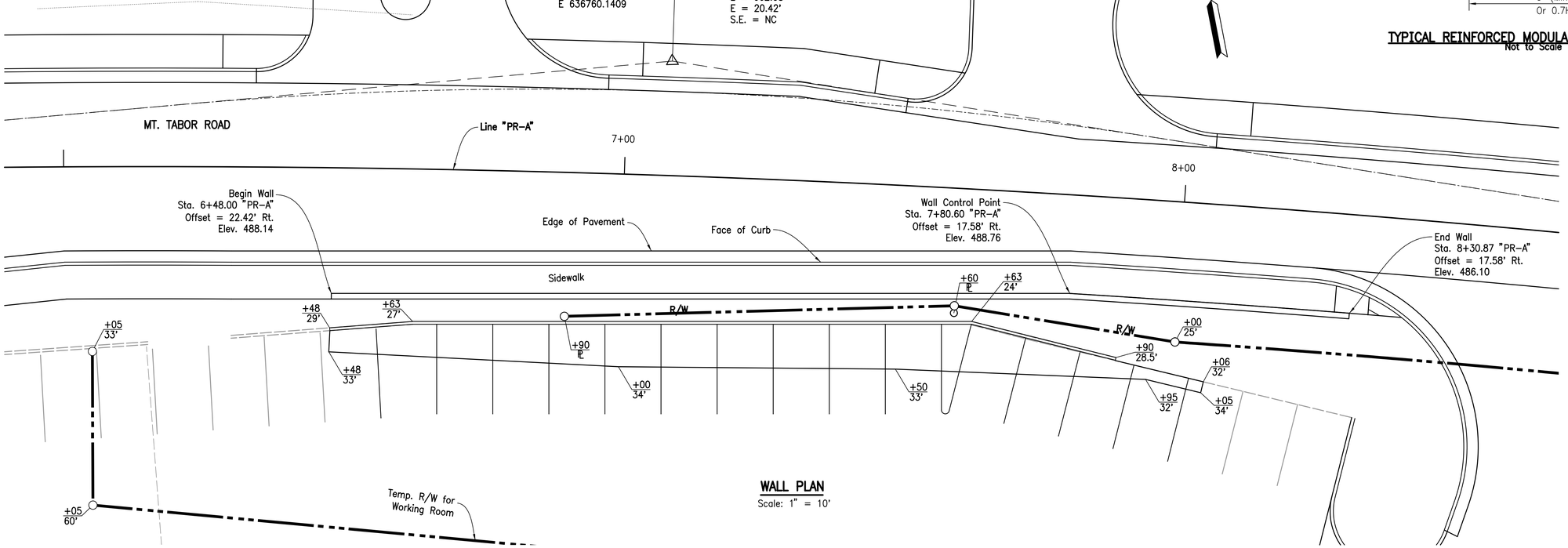
TYPICAL REINFORCED MODULAR BLOCK WALL #1

Not to Scale

CURVE DATA

PI = 7+09.52 "PR-A"
Δ = 14° 02' 59.43" (RT)
R = 2,700.00'
T = 332.71'
L = 662.08'
E = 20.42'
S.E. = NC

PI Sta. 7+09.52 "PR-A"
Δ 14° 2' 59.43" Rt.
N 122798.3858
E 636760.1409



WALL PLAN

Scale: 1" = 10'

MONTE S. MILDENBERG
REGISTERED
No. PE60880378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AET | DRAWN: RLH
CHECKED: BSC | CHECKED: MSM

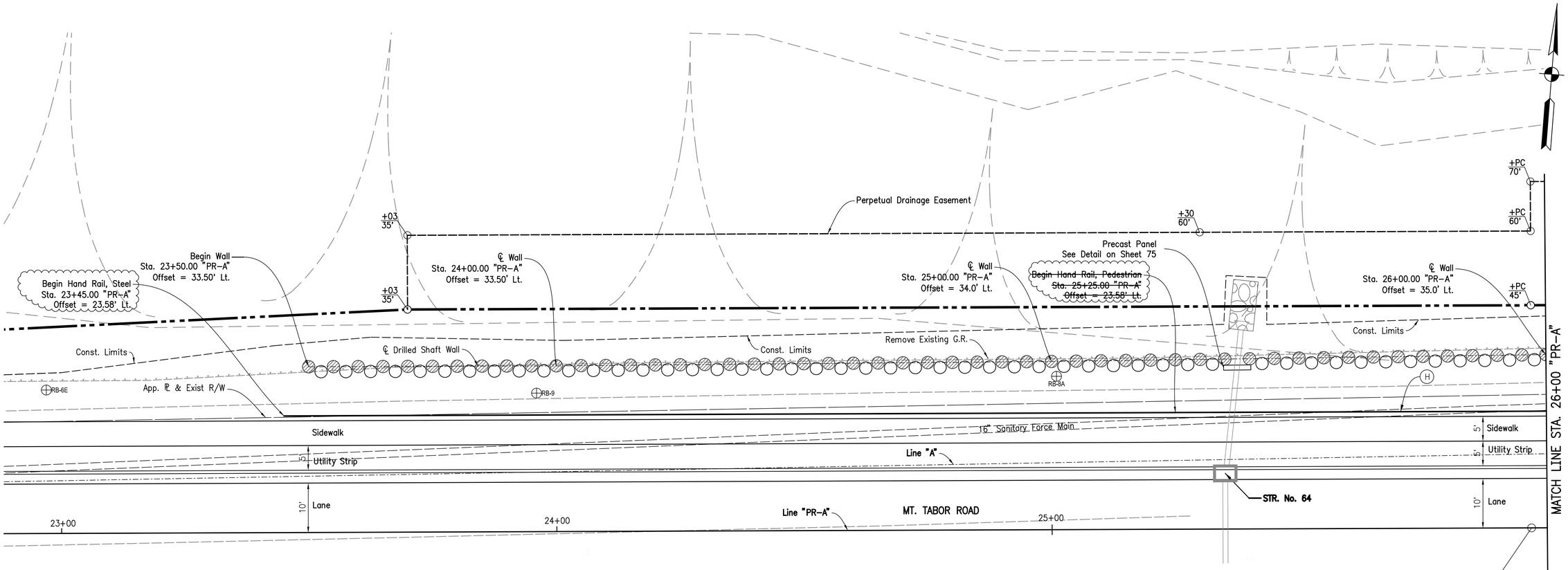
INDIANA DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS
WALL #1 – 6+48 TO 8+31 "PR-A" RT

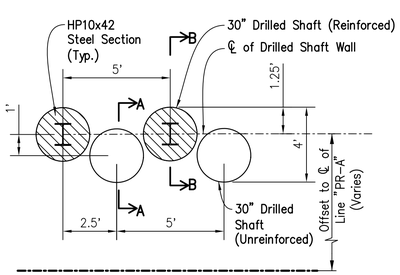
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N.A.
VERTICAL SCALE	DESIGNATION NO.
AS NOTED	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	71 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/29/2018 | 2:57:41 PM | P:\091052_MT_Tabor\09 Road - Indiana\04 Design Files\30A\Plans - P1091052_14_Retaining Walls_Dsgn

Revised Handrail Description 1-22-2018

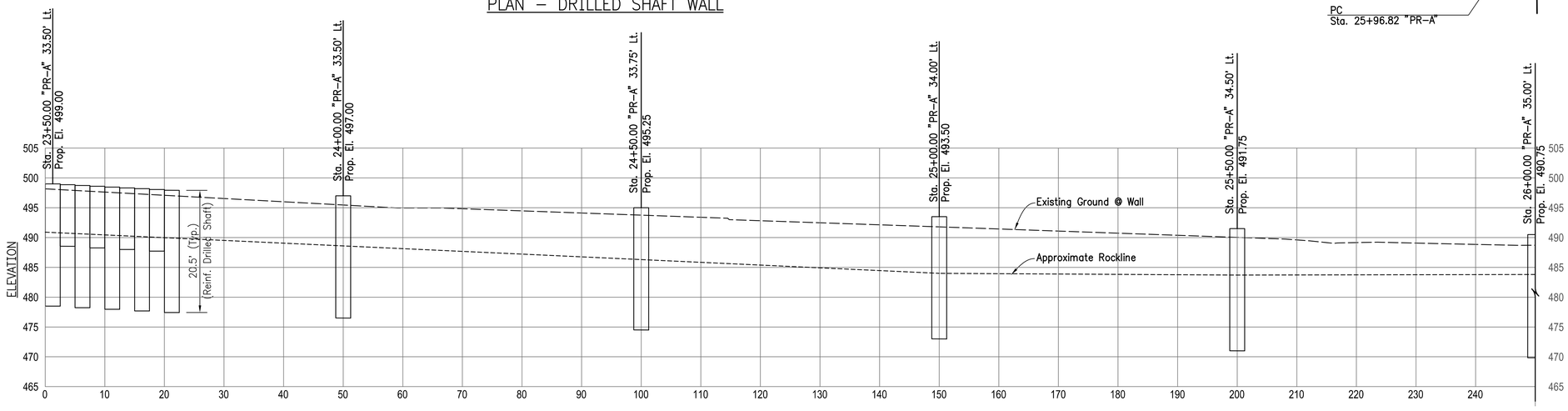


PLAN – DRILLED SHAFT WALL



DRILLED SHAFT PLAN DETAIL

(No Scale)



ELEVATION – DRILLED SHAFT WALL

LEGEND

Reinforced Drilled Shaft

Unreinforced Drilled Shaft

NOTES:
FOR TYPICAL WALL SECTIONS, SEE SHEET 4
FOR SECTIONS A-A, B-B & ADDITIONAL DETAILS, SEE SHEET 75
FOR SUMMARY OF QUANTITIES, SEE SHEET 77
FOR DRILLED SHAFT WALL TABLE, SEE SHEETS 76 & 77

SAMUEL M. SWOR
REGISTERED
No. PE10910318
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 10/30/2017 DATE

DESIGNED: SMS | DRAWN: JP
CHECKED: JJA | CHECKED: SMS

INDIANA DEPARTMENT OF TRANSPORTATION

DRILLED SHAFT WALL DETAILS
WALL #7 – 23+50 TO 26+00 "PR-A" LT

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N.A.
VERTICAL SCALE	DESIGNATION NO.
1" = 10'	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	72 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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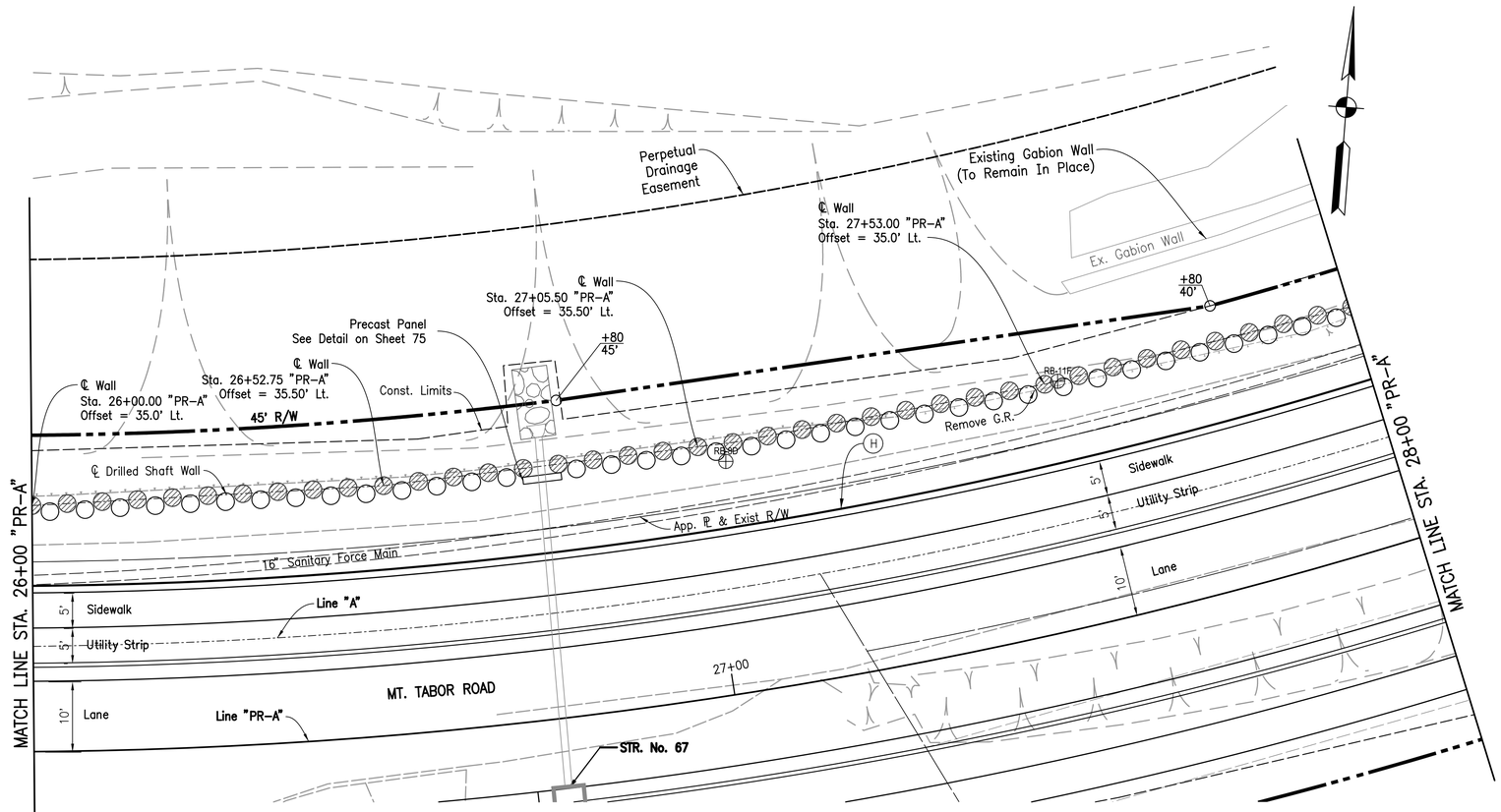
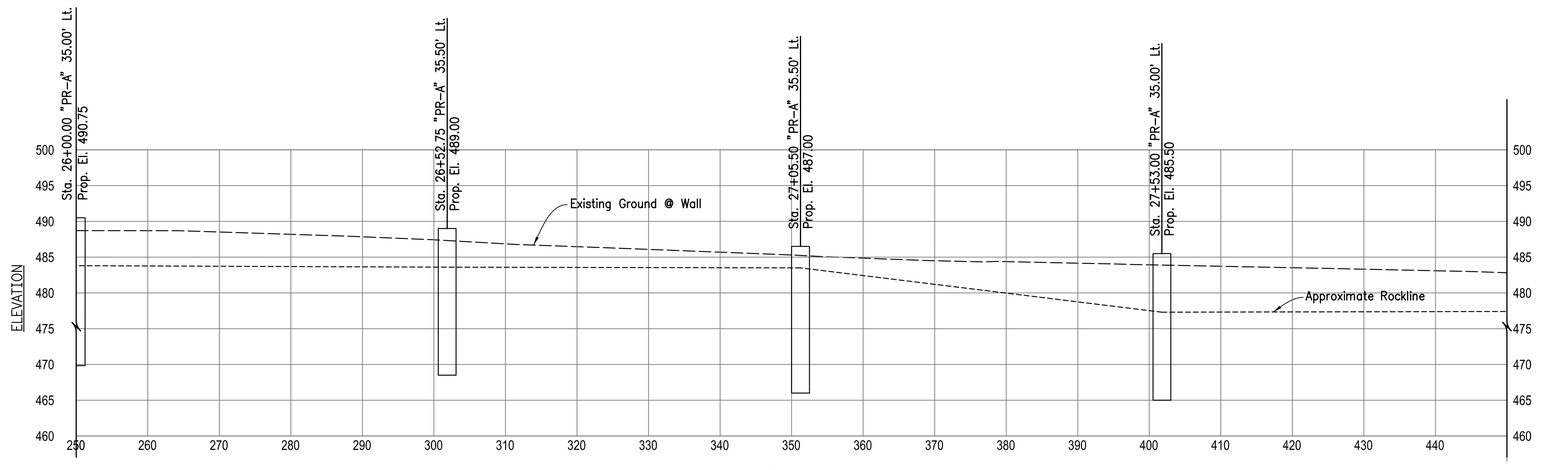


PLAN – DRILLED SHAFT WALL



ELEVATION – DRILLED SHAFT WALL

NOTES:
FOR TYPICAL WALL SECTIONS, SEE SHEET 4
FOR ADDITIONAL DETAILS, SEE SHEET 75
FOR SUMMARY OF QUANTITIES, SEE SHEET 77
FOR DRILLED SHAFT WALL TABLE, SEE SHEETS 76 & 77

SAMUEL M. SWOR REGISTERED No. PE10910318 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 10/30/2017 DATE

DESIGNED: SMS | DRAWN: JP
CHECKED: JJA | CHECKED: SMS

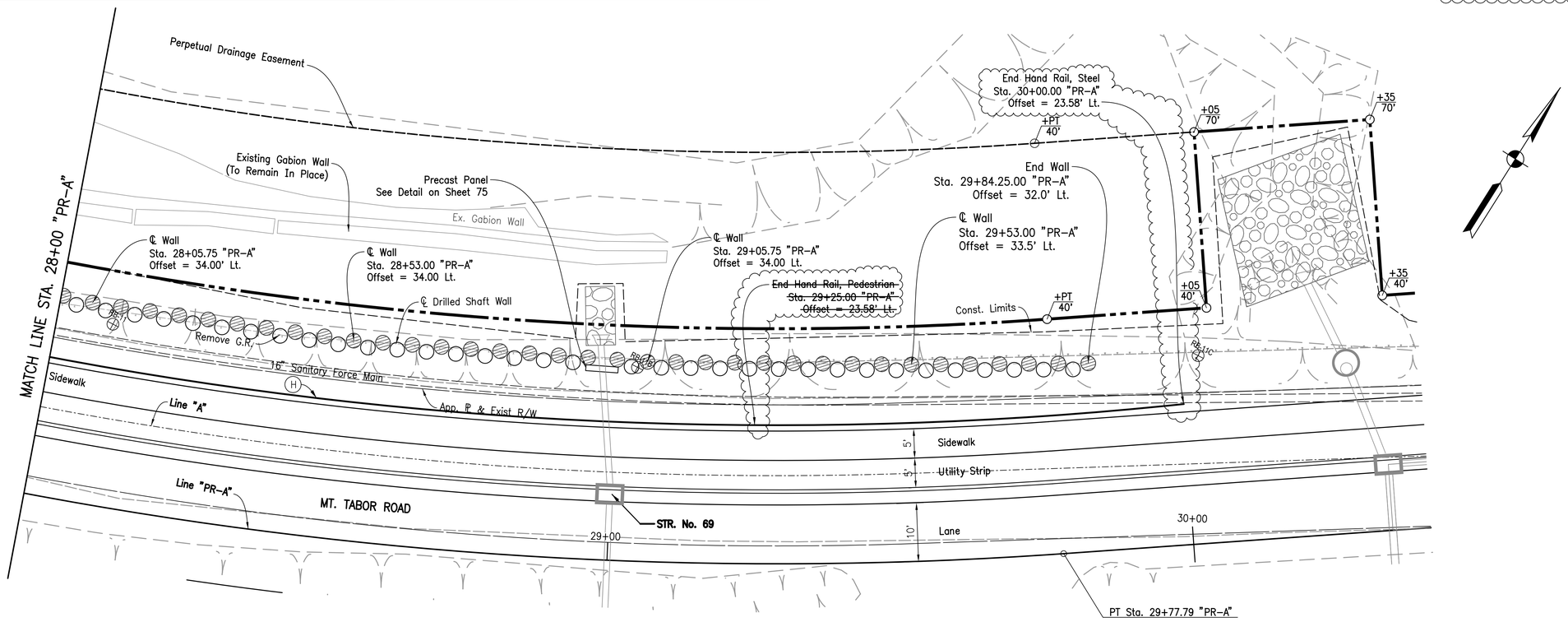
INDIANA DEPARTMENT OF TRANSPORTATION

DRILLED SHAFT WALL DETAILS
WALL #7 – 26+00 TO 28+00 "PR-A" LT

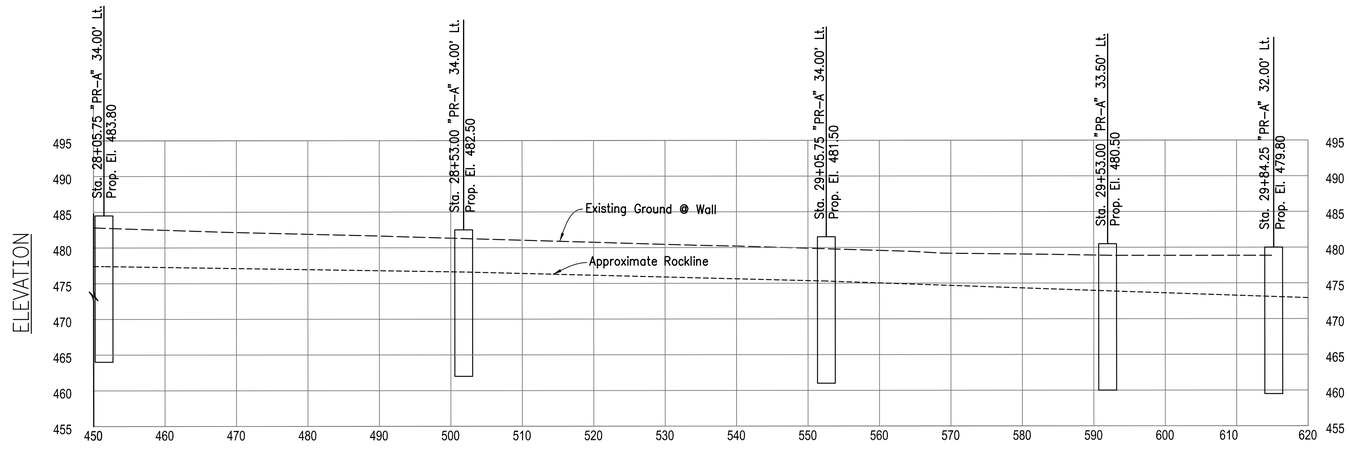
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N.A.
VERTICAL SCALE	DESIGNATION NO.
1" = 10"	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	73 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/30/2018 1:25:43 PM I P:\091050_Mt_Tabor\09 Road - Indiana\04 Design Files\DGN\Plans - P1\091050_14_Retaining Walls_01.dgn

Revised Handrail Description 1-22-2018



PLAN – DRILLED SHAFT WALL



DISTANCE ALONG ℄ DRILLED SHAFT WALL (ft)

ELEVATION – DRILLED SHAFT WALL

NOTES:
FOR TYPICAL WALL SECTIONS, SEE SHEET 4
FOR ADDITIONAL DETAILS, SEE SHEET 75
FOR SUMMARY OF QUANTITIES, SEE SHEET 77
FOR DRILLED SHAFT WALL TABLE, SEE SHEETS 76 & 77

SAMUEL M. SWOR REGISTERED No. PE10910318 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 10/30/2017 DATE

DESIGNED: SMS | DRAWN: JP

CHECKED: JJA | CHECKED: SMS

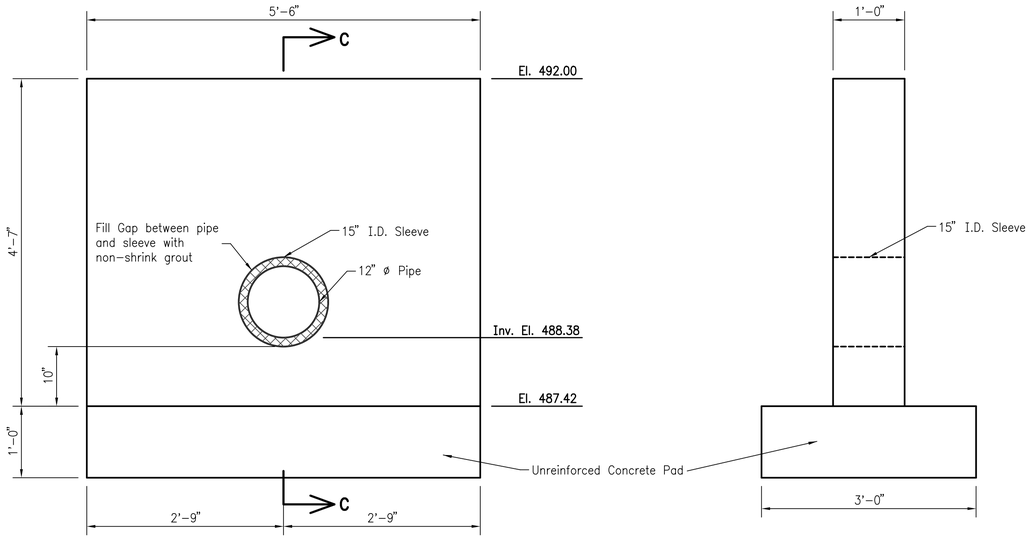
INDIANA DEPARTMENT OF TRANSPORTATION

DRILLED SHAFT WALL DETAILS
WALL #7– 28+00 TO 29+84.25 "PR-A" LT

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N.A.
VERTICAL SCALE	DESIGNATION NO.
1" = 5'	0710808

SURVEY BOOK	SHEETS
ELECTRONIC	74 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/30/2018 | 2:57:43 PM | P:\0910150_MT_Tabor\09 Road - Indiana\04 Design Files\DGN\Plans - P\0910150_14_Retaining Walls_Bridge

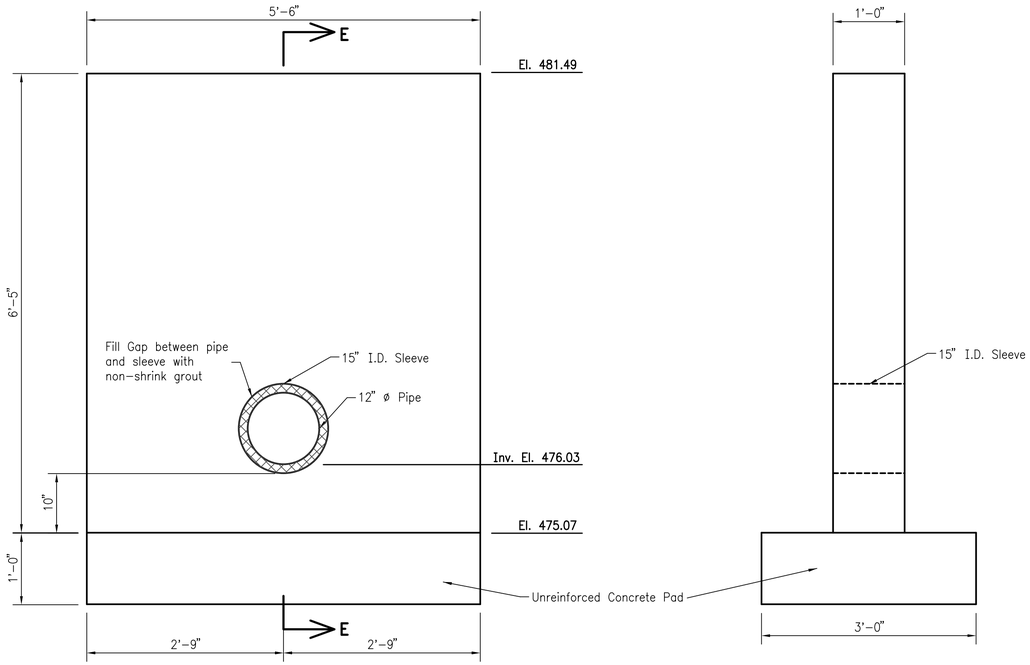


ELEVATION

SECTION C-C

PRECAST PANEL AT STRUCTURE No. 64

Scale: 1" = 1'

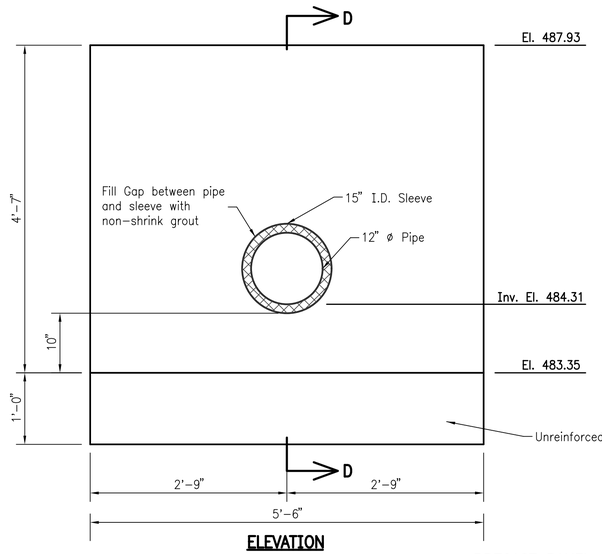


ELEVATION

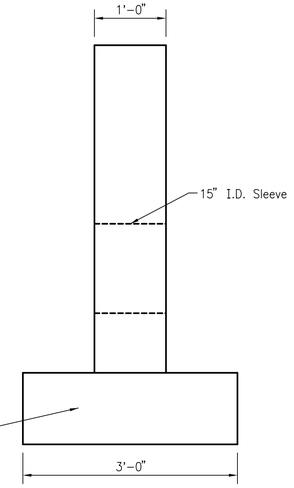
SECTION E-E

PRECAST PANEL AT STRUCTURE No. 69

Scale: 1" = 1'



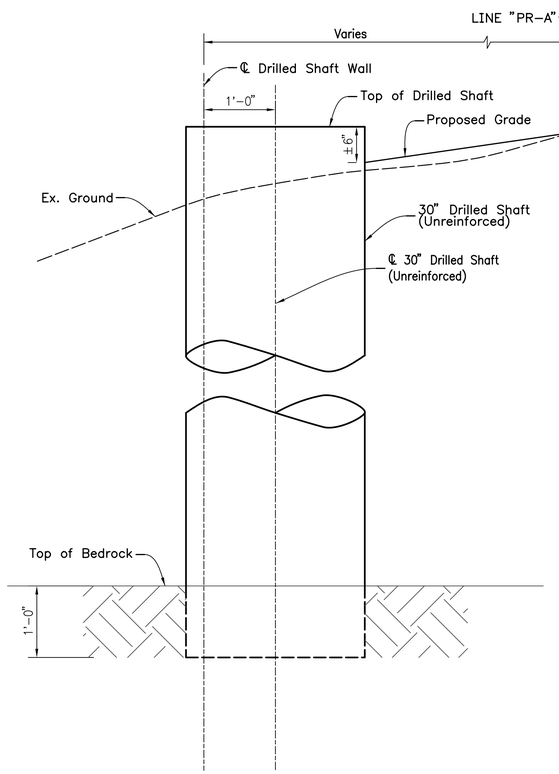
ELEVATION



SECTION D-D

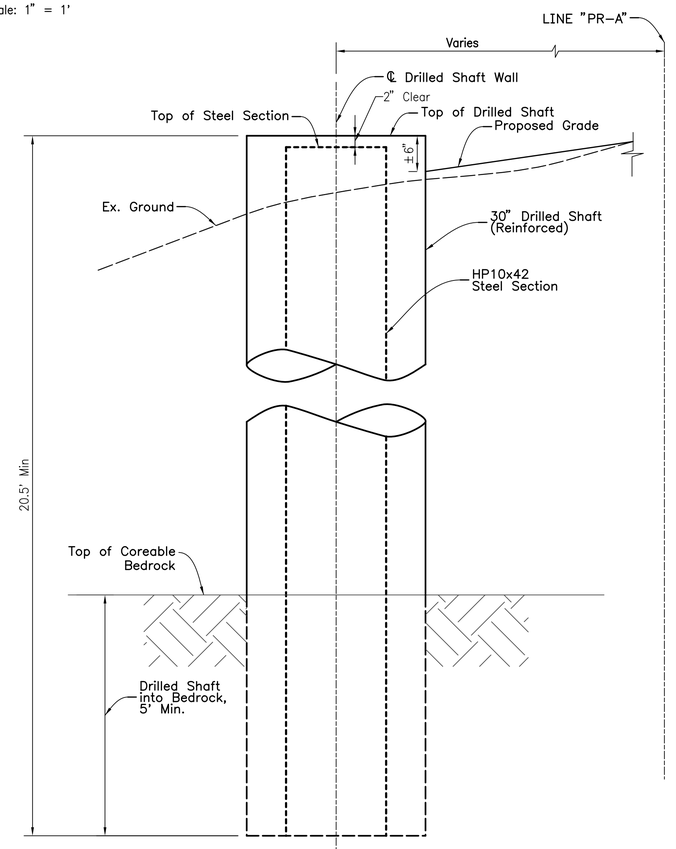
PRECAST PANEL AT STRUCTURE No. 67

Scale: 1" = 1'



SECTION A-A

(No Scale)



SECTION B-B

(No Scale)

NOTES:
FOR TYPICAL WALL SECTIONS, SEE SHEET 4
FOR LOCATION OF SECTIONS A-A AND B-B, SEE SHEET 72
FOR DRILLED SHAFT WALL TABLE, SEE SHEETS 76 & 77

SAMUEL M. SWOR REGISTERED No. PE10910318 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: SMS | DRAWN: JJP
CHECKED: JJA | CHECKED: SMS

INDIANA DEPARTMENT OF TRANSPORTATION

DRILLED SHAFT WALL DETAILS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N.A.
VERTICAL SCALE	DESIGNATION NO.
AS NOTED	0710808

SURVEY BOOK	SHEETS
ELECTRONIC	75 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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DRILLED SHAFT WALL

Drilled Shaft Number	Station	Offset	Top of Drilled Shaft El.	Existing Ground El.	Top of Rock El.	Shaft Type (R or N)	Shaft Tip El.	Depth to Bedrock (ft)	Drilled Shaft Above Bedrock (ft)	Drilled Shaft into Bedrock (ft)	Drilled Shaft Total Length (ft)	Steel Pile Length (ft)	Steel Pile Type
1	23+50.00	33.50	499.00	498.24	490.9	R	478.5	7.3	8.1	12.4	20.5	20.3	HP 10x42
2	23+52.50	32.50	498.90	498.19	490.8	N	489.8	7.4	8.1	1.0	9.1	0.0	
3	23+55.00	33.50	498.80	497.97	490.7	R	478.3	7.3	8.1	12.4	20.5	20.3	HP 10x42
4	23+57.50	32.50	498.70	497.92	490.6	N	489.6	7.3	8.1	1.0	9.1	0.0	
5	23+60.00	33.50	498.60	497.70	490.4	R	478.1	7.3	8.2	12.3	20.5	20.3	HP 10x42
6	23+62.50	32.50	498.50	497.65	490.3	N	489.3	7.3	8.2	1.0	9.2	0.0	
7	23+65.00	33.50	498.40	497.43	490.2	R	477.9	7.2	8.2	12.3	20.5	20.3	HP 10x42
8	23+67.50	32.50	498.30	497.38	490.1	N	489.1	7.3	8.2	1.0	9.2	0.0	
9	23+70.00	33.50	498.20	497.16	490.0	R	477.7	7.2	8.2	12.3	20.5	20.3	HP 10x42
10	23+72.50	32.50	498.10	497.11	489.9	N	488.9	7.2	8.2	1.0	9.2	0.0	
11	23+75.00	33.50	498.00	496.89	489.8	R	477.5	7.1	8.2	12.3	20.5	20.3	HP 10x42
12	23+77.50	32.50	497.90	496.84	489.6	N	488.6	7.2	8.3	1.0	9.3	0.0	
13	23+80.00	33.50	497.80	496.62	489.5	R	477.3	7.1	8.3	12.2	20.5	20.3	HP 10x42
14	23+82.50	32.50	497.70	496.57	489.5	N	488.5	7.1	8.2	1.0	9.2	0.0	
15	23+85.00	33.50	497.60	496.35	489.3	R	477.1	7.1	8.3	12.2	20.5	20.3	HP 10x42
16	23+87.50	32.50	497.50	496.30	489.2	N	488.2	7.1	8.3	1.0	9.3	0.0	
17	23+90.00	33.50	497.40	496.08	489.1	R	476.9	7.0	8.3	12.2	20.5	20.3	HP 10x42
18	23+92.50	32.50	497.30	496.03	489.0	N	488.0	7.0	8.3	1.0	9.3	0.0	
19	23+95.00	33.50	497.20	495.81	488.8	R	476.7	7.0	8.4	12.1	20.5	20.3	HP 10x42
20	23+97.50	32.50	497.10	495.76	488.7	N	487.7	7.1	8.4	1.0	9.4	0.0	
21	24+00.00	33.50	497.00	495.54	488.6	R	476.5	6.9	8.4	12.1	20.5	20.3	HP 10x42
22	24+02.50	32.51	496.91	495.49	488.5	N	487.5	7.0	8.4	1.0	9.4	0.0	
23	24+05.00	33.53	496.83	495.27	488.4	R	476.3	6.9	8.4	12.1	20.5	20.3	HP 10x42
24	24+07.50	32.54	496.74	495.43	488.3	N	487.3	7.1	8.4	1.0	9.4	0.0	
25	24+10.00	33.55	496.65	495.02	488.2	R	476.2	6.8	8.5	12.1	20.5	20.3	HP 10x42
26	24+12.50	32.56	496.56	495.33	488.0	N	487.0	7.3	8.6	1.0	9.6	0.0	
27	24+15.00	33.58	496.48	495.01	487.9	R	476.0	7.1	8.6	11.9	20.5	20.3	HP 10x42
28	24+17.50	32.59	496.39	495.15	487.8	N	486.8	7.3	8.6	1.0	9.6	0.0	
29	24+20.00	33.60	496.30	494.89	487.7	R	475.8	7.2	8.6	11.9	20.5	20.3	HP 10x42
30	24+22.50	32.61	496.21	494.97	487.6	N	486.6	7.4	8.6	1.0	9.6	0.0	
31	24+25.00	33.63	496.13	494.72	487.5	R	475.6	7.2	8.6	11.9	20.5	20.3	HP 10x42
32	24+27.50	32.64	496.04	494.79	487.4	N	486.4	7.4	8.6	1.0	9.6	0.0	
33	24+30.00	33.65	495.95	494.54	487.2	R	475.5	7.3	8.8	11.8	20.5	20.3	HP 10x42
34	24+32.50	32.66	495.86	494.61	487.1	N	486.1	7.5	8.8	1.0	9.8	0.0	
35	24+35.00	33.68	495.78	494.36	487.0	R	475.3	7.4	8.8	11.7	20.5	20.3	HP 10x42
36	24+37.50	32.69	495.69	494.43	486.9	N	485.9	7.5	8.8	1.0	9.8	0.0	
37	24+40.00	33.70	495.60	494.18	486.8	R	475.1	7.4	8.8	11.7	20.5	20.3	HP 10x42
38	24+42.50	32.71	495.51	494.26	486.7	N	485.7	7.6	8.8	1.0	9.8	0.0	
39	24+45.00	33.73	495.43	494.00	486.6	R	474.9	7.4	8.8	11.7	20.5	20.3	HP 10x42
40	24+47.50	32.74	495.34	494.08	486.4	N	485.4	7.7	8.9	1.0	9.9	0.0	
41	24+50.00	33.75	495.25	493.82	486.3	R	474.8	7.5	8.9	11.6	20.5	20.3	HP 10x42
42	24+52.50	32.76	495.16	493.90	486.2	N	485.2	7.7	9.0	1.0	10.0	0.0	
43	24+55.00	33.78	495.08	493.65	486.1	R	474.6	7.5	9.0	11.5	20.5	20.3	HP 10x42
44	24+57.50	32.79	494.99	493.72	486.0	N	485.0	7.7	9.0	1.0	10.0	0.0	
45	24+60.00	33.80	494.90	493.47	485.9	R	474.4	7.6	9.0	11.5	20.5	20.3	HP 10x42
46	24+62.50	32.81	494.81	493.54	485.8	N	484.8	7.7	9.0	1.0	10.0	0.0	
47	24+65.00	33.83	494.73	493.29	485.6	R	474.2	7.7	9.1	11.4	20.5	20.3	HP 10x42
48	24+67.50	32.84	494.64	493.18	485.5	N	484.5	7.7	9.1	1.0	10.1	0.0	
49	24+70.00	33.85	494.55	492.89	485.4	R	474.1	7.5	9.2	11.4	20.5	20.3	HP 10x42
50	24+72.50	32.86	494.46	493.00	485.3	N	484.3	7.7	9.2	1.0	10.2	0.0	
51	24+75.00	33.88	494.38	492.72	485.2	R	473.9	7.5	9.2	11.3	20.5	20.3	HP 10x42
52	24+77.50	32.89	494.29	492.83	485.1	N	484.1	7.7	9.2	1.0	10.2	0.0	
53	24+80.00	33.90	494.20	492.55	485.0	R	473.7	7.6	9.2	11.3	20.5	20.3	HP 10x42
54	24+82.50	32.91	494.11	492.66	484.8	N	483.8	7.9	9.3	1.0	10.3	0.0	
55	24+85.00	33.93	494.03	492.37	484.7	R	473.5	7.7	9.3	11.2	20.5	20.3	HP 10x42
56	24+87.50	32.94	493.94	492.49	484.6	N	483.6	7.9	9.3	1.0	10.3	0.0	
57	24+90.00	33.95	493.85	492.20	484.5	R	473.4	7.7	9.4	11.2	20.5	20.3	HP 10x42
58	24+92.50	32.96	493.76	492.32	484.4	N	483.4	7.9	9.4	1.0	10.4	0.0	
59	24+95.00	33.98	493.68	492.03	484.3	R	473.2	7.7	9.4	11.1	20.5	20.3	HP 10x42
60	24+97.50	32.99	493.59	492.15	484.2	N	483.2	7.9	9.4	1.0	10.4	0.0	
61	25+00.00	34.00	493.50	491.86	484.0	R	473.0	7.9	9.5	11.0	20.5	20.3	HP 10x42
62	25+02.50	33.03	493.41	491.97	484.0	N	483.0	8.0	9.4	1.0	10.4	0.0	
63	25+05.00	34.05	493.33	491.68	484.0	R	472.8	7.7	9.3	11.2	20.5	20.3	HP 10x42
64	25+07.50	33.08	493.24	491.80	484.0	N	483.0	7.8	9.2	1.0	10.2	0.0	
65	25+10.00	34.10	493.15	491.51	484.0	R	472.7	7.5	9.2	11.4	20.5	20.3	HP 10x42
66	25+12.50	33.13	493.06	491.62	484.0	N	483.0	7.6	9.1	1.0	10.1	0.0	
67	25+15.00	34.15	492.98	491.33	484.0	R	472.5	7.3	9.0	11.5	20.5	20.3	HP 10x42
68	25+17.50	33.18	492.89	491.44	484.0	N	483.0	7.4	8.9	1.0	9.9	0.0	
69	25+20.00	34.20	492.80	491.15	484.0	R	472.3	7.1	8.8	11.7	20.5	20.3	HP 10x42
70	25+22.50	33.23	492.71	491.27	483.9	N	482.9	7.4	8.8	1.0	9.8	0.0	
71	25+25.00	34.25	492.63	490.98	483.9	R	472.1	7.1	8.7	11.8	20.5	20.3	HP 10x42
72	25+27.50	33.28	492.54	491.09	483.9	N	482.9	7.2	8.6	1.0	9.6	0.0	
73	25+30.00	34.30	492.45	490.80	483.9	R	472.0	6.9	8.6	12.0	20.5	20.3	HP 10x42
74	25+32.50	33.33	492.36	490.91	483.9	N	482.9	7.0	8.5	1.0	9.5	0.0	
75	25+35.00	34.35	492.28	490.62	483.9	R	471.8	6.7	8.4	12.1	20.5	20.3	HP 10x42

DRILLED SHAFT WALL

Drilled Shaft Number	Station	Offset	Top of Drilled Shaft El.	Existing Ground El.	Top of Rock El.	Shaft Type (R or N)	Shaft Tip El.	Depth to Bedrock (ft)	Drilled Shaft Above Bedrock (ft)	Drilled Shaft into Bedrock (ft)	Drilled Shaft Total Length (ft)	Steel Pile Length (ft)	Steel Pile Type
76	25+40.00	34.40	492.10	490.45	483.9	R	471.6	6.6	8.2	12.3	20.5	20.3	HP 10x42
77	25+42.50	33.43	492.01	490.56	483.9	N	482.9	6.7	8.1	1.0	9.1	0.0	
78	25+45.00	34.45	491.93	490.27	483.9	R	471.4	6.4	8.0	12.5	20.5	20.3	HP 10x42
79	25+47.50	33.48	491.84	490.38	483.9	N	482.9	6.5	7.9	1.0	8.9	0.0	
80	25+50.00	34.50	491.75	490.09	483.9	R	471.3	6.2	7.9	12.7	20.5	20.3	HP 10x42
81	25+52.50	33.53	491.70	490.21	483.9	N	482.9	6.3	7.8	1.0	8.8	0.0	
82	25+55.00	34.56	491.65	489.92	483.9	R	471.2	6.0	7.8	12.7	20.5	20.3	HP 10x42
83	25+57.50	33.58	491.60	490.03	483.9	N	482.9	6.1	7.7	1.0	8.7	0.0	
84	25+60.00	34.61	491.55	489.74	483.9	R	471.1	5.8	7.7	12.9	20.5	20.3	HP 10x42
85	25+62.50	33.63	491.50	489.85	483.8	N	482.8	6.1	7.7	1.0	8.7	0.0	
86	25+65.00	34.66	491.45	489.38	483.8	R	471.0	5.6	7.6	12.9	20.5	20.3	HP 10x42
87	25+67.50	33.68	491.40	489.69	483.8	N	482.8	5.9	7.6	1.0	8.6	0.0	
88	25+70.00	34.71	491.35	489.21	483.8	R	470.9	5.4	7.6	13.0	20.5	20.3	HP 10x42
89	25+72.50	33.73	491.30	489.57	483.8	N	482.8	5.8	7.5	1.0	8.5	0.0	
90	25+75.00	34.76	491.25	489.25	483.8	R	470.8	5.4	7.4	13.1	20.5	20.3	HP 10x42
91	25+77.50	33.78	491.20	489.46	483.8	N	482.8	5.7	7.4	1.0	8.4	0.0	
92	25+80.00	34.81	491.15	489.14	483.8	R	470.7	5.3	7.4	13.2	20.5	20.3	HP 10x42
93	25+82.50	33.83	491.10	489.34	483.8	N	482.8	5.5	7.3	1.0	8.3	0.0	
94	25+85.00	34.86	491.05	489.02	483.8	R	470.6	5.2	7.3	13.3	20.5	20.3	HP 10x42
95	25+87.50	33.88	491.00	489.23	483.8	N	482.8	5.4	7.2	1.0	8.2	0.0	
96	25+90.00	34.91	490.95	488.91	483.8	R	470.5	5.1	7.1	13.4	20.5	20.3	HP 10x42
97	25+92.50	33.93	490.90	489.11	483.8	N	482.8	5.3	7.1	1.0	8.1	0.0	
98	25+95.00	34.96	490.85	488.80	483.8	R	470.4	5.0	7.1	13.5	20.5	20.3	HP 10x42
99	25+97.54	33.98	490.80	489.00	483.8	N	482.8	5.2	7.0	1.0	8.0	0.0	
100	26+00.00	35.00	490.75	488.72	483.8	R	470.3	4.9	6.9	13.6	20.5	20.3	HP 10x42
101	26+02.67	34.12	490.66	488.89	483.8	N	482.8	5.1	6.9	1.0	7.9	0.0	
102	26+05.26	35.22	490.58	488.72	483.7	R	470.1	5.0	6.9	13.6	20.5	20.3	HP 10x42
103	26+07.93	34.32	490.49	488.88	483.7	N	482.7	5.2	6.8	1.0	7.8	0.0	
104	26+10.52	35.41	490.40	488.71	483.7	R	469.9	5.0	6.7	13.8	20.5	20.3	HP 10x42
105	26+13.18	34.48	490.31	488.88	483.7	N	482.7	5.2	6.6	1.0	7.6	0.0	
106	26+15.79	35.55	490.23	488.71	483.7	R	469.7	5.0	6.5	14.0	20.5	20.3	HP 10x42
107	26+18.45	34.61	490.14	488.82	483.7	N	482.7	5.1	6.4	1.0	7.4	0.0	
108	26+21.06	35.66	490.05	488.57	483.7	R	469.6	4.9	6.4	14.2	20.5	20.3	HP 10x42
109	26+23.71	34.70	489.96	488.66	483.7	N	482.7	5.0	6.3	1.0	7.3	0.0	
110	26+26.37	35.73	489.88	488.41	483.7	R	469.4	4.7	6.2	14.3	20.5	20.3	HP 10x42
111	26+28.98	34.75	489.79	488.50	483.7	N	482.7	4.8	6.1	1.0	7.1	0.0	
112	26+31.61	35.76	489.70	488.25	483.7	R	469.2	4.6	6.0	14.5	20.5	20.3	HP 10x42
113	26+34.24	34.75	489.61	488.34	483.7	N	482.7	4.7	5.9	1.0	6.9	0.0	
114	26+36.88	35.75	489.53	488.09	483.7	R	469.0	4.4	5.8	14.7	20.5	20.3	HP 10x42
115	26+39.50	34.73	489.44	488.18	483.7	N	482.7	4.5	5.7	1.0	6.7	0.0	
116	26+42.15	35.71	489.35	487.92	483.7	R	468.9	4.2	5.7	14.9	20.5	20.3	HP 10x42
117	26+44.77	34.66	489.26	488.02	483.6	N	482.6	4.4	5.7	1.0	6.7	0.0	
118	26+47.43	35.62	489.18	487.71	483.6	R	468.7	4.1	5.6	14.9	20.5	20.3	HP 10x42
119	26+50.04	34.56	489.09	487.82	483.6	N	482.6	4.2	5.5	1.0	6.5	0.0	
120	26+52.75	35.50	489.00	487.50	483.6	R	468.5	3.9	5.4	15.1	20.5	20.3	HP 10x42
121	26+55.42	34.59	488.90	487.57	483.6	N	482.6	4.0	5.3	1.0	6.3	0.0	
122	26+58.02	35.67	488.80	487.22	483.6	R	468.3	3.6	5.2	15.3	20.5	20.3	HP 10x42
123	26+60.68	34.74	488.70	487.29	483.6	N	482.6	3.7	5.1	1.0	6.1	0.0	
124	26+63.29	35.81	488.60	486.94	483.6	R	468.1	3.3	5.0	15.5	20.5	20.3	HP 10x42
125	26+65.95	34.86	488.50	487.01	483.6	N	482.6	3.4	4.9	1.0	5.9	0.0	
126	26+68.57	35.90	488.40	486.70	483.6	R	467.9	3.1	4.8	15.7	20.5	20.3	HP 10x42
127	26+71.21	34.94	488.30	486.81	483.6	N	482.6	3.2	4.7	1.0	5.7	0.0	
128	26+73.84	35.96	488.20	486.52	483.6	R	467.7	2.9	4.6	15.9	20.5	20.3	HP 10x42
129	26+79.13	35.98	488.00	486.33	483.6	R	467.5	2.7	4.4	16.1	20.5	20.3	HP 10x42
130	26+81.75	34.97	487.90	486.45	483.6	N	482.6	2.8	4.3	1.0	5.3	0.0	
131	26+84.39	35.96	487.80	486.14	483.6	R	467.3	2.5	4.2	16.3	20.5	20.3	HP 10x42
132	26+87.02	34.94	487.70	486.26	483.5	N	482.5	2.8	4.2	1.0	5.2	0.0	
133	26+89.66	35.90	487.60	485.94	483.5	R	467.1	2.4	4.1	16.4	20.5	20.3	HP 10x42
134	26+92.28	34.86	487.50	486.06	483.5	N	482.5	2.6	4.0	1.0	5.0	0.0	
135	26+94.94	35.81	487.40	485.75	483.5	R	466.9	2.3	3.9	16.6	20.5	20.3	HP 10x42
136	26+97.55	34.75	487.30	485.87	483.5	N	482.5	2.4	3.8	1.0	4.8	0.0	
137	27+00.21	35.67	487.20	485.55	483.5	R	466.7	2.1	3.7	16.8	20.5	20.3	HP 10x42
138	27+02.81	34.59	487.10	485.67	483.5	N	482.5	2.2	3.6	1.0	4.6	0.0	
139	27+05.50	35.50	487.00	485.35	483.5	R	466.5	1.9	3.5	17.0	20.5	20.3	HP 10x42
140	27+08.15	34.55	486.92	485.44	483.4	N	482.4	2.0	3.5	1.0	4.5	0.0	
141	27+10.77	35.60	486.83	485.09	482.7	R	466.3	2.4	4.1	16.4	20.5	20.3	HP 10x42
142	27+13.42	34.63	486.75	485.23	482.4	N	481.4	2.8	4.4	1.0	5.4	0.0	
143	27+16.04	35.66	486.67	484.89	482.1	R	466.2	2.8	4.6	15.9	20.5	20.3	HP 10x42
144	27+18.68	34.67	486.58	485.05	481.5	N	480.5	3.6	5.1	1.0	6.1	0.0	
145	27+21.31	35.68	486.50	484.70	481.1	R	466.0	3.6	5.4	15.1	20.5	20.3	HP 10x42
146	27+23.95	34.67	486.42	484.86	480.8	N	479.8	4.1	5.6	1.0	6.6	0.0	
147	27+26.59	35.66	486.33	484.51	480.5	R	465.8	4.0	5.8	14.7	20.5	20.3	HP 10x42
148	27+29.21	34.64	486.25	484.67	480.2	N	479.2	4.5	6.1	1.0	7.1	0.0	
149	27+31.86	35.61	486.17	484.39	479.9	R	465.7	4.5	6.3	14.2	20.5	20.3	HP 10x42
150	27+34.47	34.56	486.09	484.55	479.5	N	478.5	5.1	6.6	1.0	7.6	0.0	

NOTES:
FOR TYPICAL WALL SECTION, SEE SHEET 4
FOR DRILLED SHAFT WALL PLAN AND ELEVATION, SEE SHEETS 72 – 74

SAMUEL M. SWOR REGISTERED No. PE10910318 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: SMS | DRAWN: JJP
CHECKED: JJA | CHECKED: SMS

INDIANA DEPARTMENT OF TRANSPORTATION

DRILLED SHAFT WALL TABLE

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	76 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/29/2018 I 2:57:44 PM I P:\0710808_MS_Tabor\09 Road - Indiana\04 Design Files\100%Plans - P\0710808_14_Retaining Walls_Table_01.dgn

Revised Handrail Description 1-22-2018

DRILLED SHAFT WALL

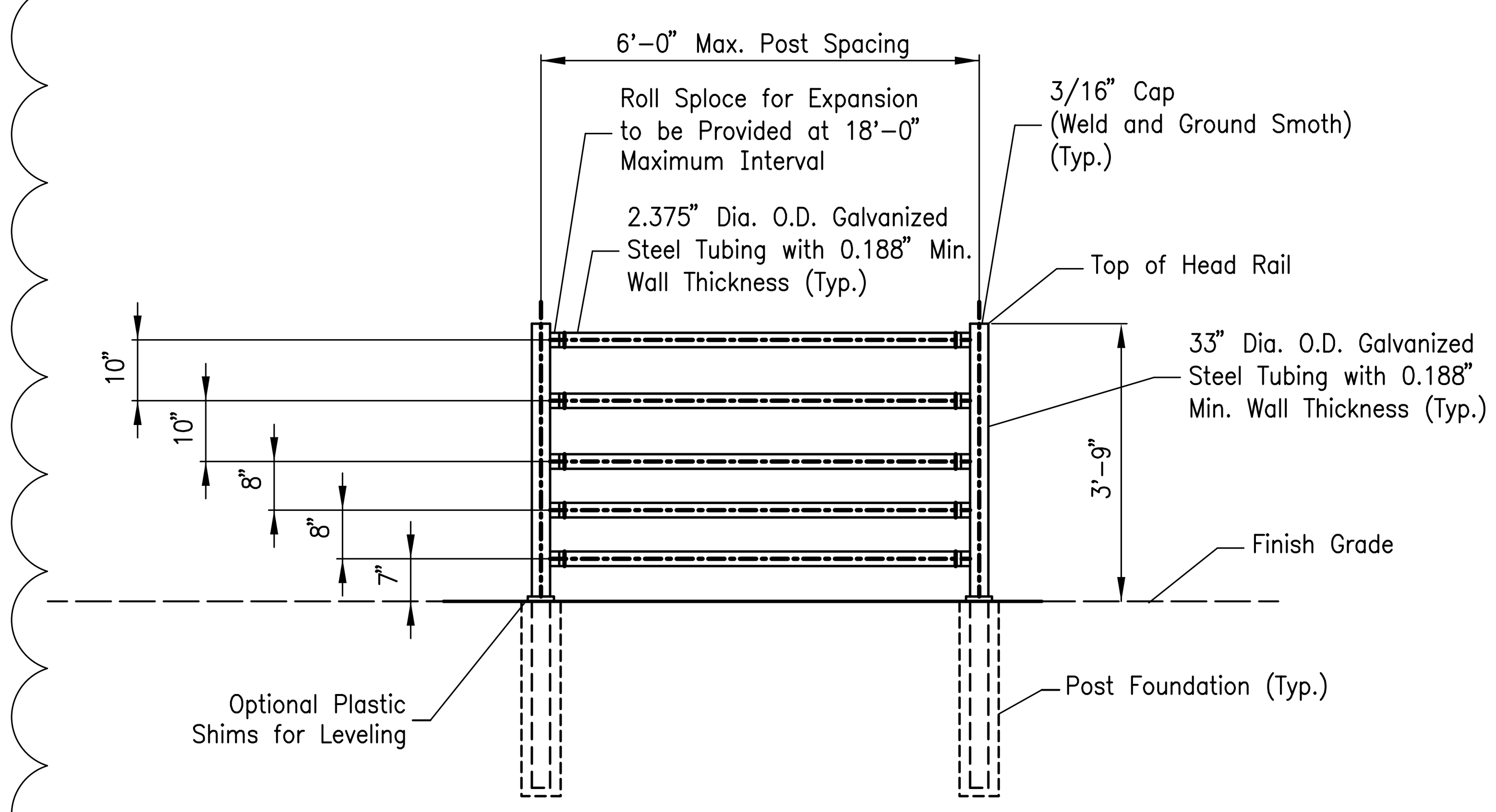
Drilled Shaft Number	Station	Offset	Top of Drilled Shaft El.	Existing Ground El.	Top of Rock El.	Shaft Type (R or N)	Shaft Tip El.	Depth to Bedrock (ft)	Drilled Shaft Above Bedrock (ft)	Drilled Shaft into Bedrock (ft)	Drilled Shaft Total Length (ft)	Steel Pile Length (ft)	Steel Pile Type
151	27+37.13	35.51	486.00	484.39	479.2	R	465.5	5.2	6.8	13.7	20.5	20.3	HP 10x42
152	27+39.74	34.45	485.92	484.53	478.9	N	477.9	5.6	7.0	1.0	8.0	0.0	
153	27+42.40	35.38	485.83	484.28	478.6	R	465.3	5.7	7.2	13.3	20.5	20.3	HP 10x42
154	27+45.00	34.30	485.75	484.42	478.3	N	477.3	6.1	7.4	1.0	8.4	0.0	
155	27+47.66	35.21	485.67	484.17	478.0	R	465.2	6.2	7.7	12.8	20.5	20.3	HP 10x42
156	27+50.25	34.11	485.59	484.31	477.6	N	476.6	6.7	8.0	1.0	9.0	0.0	
157	27+53.00	35.00	485.50	484.06	477.3	R	465.0	6.8	8.2	12.3	20.5	20.3	HP 10x42
158	27+55.65	34.04	485.41	484.19	477.0	N	476.0	7.2	8.4	1.0	9.4	0.0	
159	27+58.27	35.07	485.33	483.93	477.0	R	464.8	6.9	8.3	12.2	20.5	20.3	HP 10x42
160	27+60.91	34.09	485.25	484.03	477.0	N	476.0	7.0	8.3	1.0	9.3	0.0	
161	27+63.54	35.10	485.16	483.83	477.1	R	464.7	6.7	8.1	12.4	20.5	20.3	HP 10x42
162	27+66.17	34.11	485.08	483.91	477.1	N	476.1	6.8	8.0	1.0	9.0	0.0	
163	27+68.81	35.10	484.99	483.73	477.1	R	464.5	6.6	7.9	12.6	20.5	20.3	HP 10x42
164	27+71.43	34.08	484.91	483.81	477.1	N	476.1	6.7	7.8	1.0	8.8	0.0	
165	27+74.07	35.06	484.82	483.63	477.2	R	464.3	6.4	7.6	12.9	20.5	20.3	HP 10x42
166	27+76.69	34.02	484.74	483.71	477.2	N	476.2	6.5	7.5	1.0	8.5	0.0	
167	27+79.34	34.97	484.65	483.53	477.2	R	464.2	6.3	7.5	13.1	20.5	20.3	HP 10x42
168	27+81.95	33.92	484.57	483.61	477.2	N	476.2	6.4	7.4	1.0	8.4	0.0	
169	27+84.61	34.85	484.48	483.43	477.3	R	464.0	6.1	7.2	13.3	20.5	20.3	HP 10x42
170	27+87.21	33.78	484.40	483.51	477.3	N	476.3	6.2	7.1	1.0	8.1	0.0	
171	27+89.87	34.70	484.31	483.32	477.3	R	463.8	6.0	7.0	13.5	20.5	20.3	HP 10x42
172	27+92.46	33.60	484.23	483.40	477.3	N	476.3	6.1	6.9	1.0	7.9	0.0	
173	27+95.13	34.50	484.14	483.21	477.3	R	463.6	5.9	6.8	13.7	20.5	20.3	HP 10x42
174	27+97.71	33.39	484.06	483.29	477.4	N	476.4	5.9	6.7	1.0	7.7	0.0	
175	28+00.39	34.27	483.97	483.10	477.4	R	463.5	5.7	6.6	13.9	20.5	20.3	HP 10x42
176	28+02.96	33.14	483.89	483.18	477.4	N	476.4	5.8	6.5	1.0	7.5	0.0	
177	28+05.75	34.00	483.80	482.99	477.4	R	463.3	5.6	6.4	14.1	20.5	20.3	HP 10x42
178	28+08.30	33.08	483.73	483.04	477.5	N	476.5	5.5	6.2	1.0	7.2	0.0	
179	28+10.89	34.15	483.66	482.82	477.5	R	463.2	5.3	6.2	14.3	20.5	20.3	HP 10x42
180	28+13.55	33.21	483.59	482.87	477.5	N	476.5	5.4	6.1	1.0	7.1	0.0	
181	28+16.15	34.26	483.51	482.65	477.4	R	463.0	5.3	6.1	14.4	20.5	20.3	HP 10x42
182	28+18.80	33.31	483.44	482.70	477.4	N	476.4	5.3	6.0	1.0	7.0	0.0	
183	28+21.41	34.34	483.37	482.48	477.3	R	462.9	5.2	6.1	14.4	20.5	20.3	HP 10x42
184	28+24.05	33.36	483.30	482.53	477.4	N	476.4	5.1	5.9	1.0	6.9	0.0	
185	28+26.68	34.38	483.22	482.31	477.2	R	462.7	5.1	6.0	14.5	20.5	20.3	HP 10x42
186	28+29.31	33.38	483.15	482.37	477.1	N	476.1	5.3	6.1	1.0	7.1	0.0	
187	28+31.94	34.38	483.08	482.15	477.1	R	462.6	5.0	6.0	14.5	20.5	20.3	HP 10x42
188	28+34.56	33.37	483.01	482.21	477.0	N	476.0	5.2	6.0	1.0	7.0	0.0	
189	28+37.20	34.34	482.93	482.03	477.0	R	462.4	5.0	5.9	14.6	20.5	20.3	HP 10x42
190	28+39.81	33.31	482.86	482.08	476.9	N	475.9	5.2	6.0	1.0	7.0	0.0	
191	28+42.46	34.27	482.79	481.90	476.9	R	462.3	5.0	5.9	14.6	20.5	20.3	HP 10x42
192	28+45.07	33.21	482.72	481.96	476.8	N	475.8	5.2	5.9	1.0	6.9	0.0	
193	28+47.72	34.15	482.65	481.77	476.7	R	462.2	5.1	6.0	14.6	20.5	20.3	HP 10x42
194	28+50.32	33.08	482.57	481.83	476.6	N	475.6	5.2	6.0	1.0	7.0	0.0	
195	28+53.00	34.00	482.50	481.65	476.6	R	462.0	5.0	5.9	14.6	20.5	20.3	HP 10x42
196	28+55.66	33.09	482.45	481.69	476.5	N	475.5	5.2	5.9	1.0	6.9	0.0	
197	28+58.25	34.17	482.40	481.48	476.4	R	461.9	5.1	6.0	14.5	20.5	20.3	HP 10x42
198	28+60.91	33.24	482.35	481.54	476.4	N	475.4	5.1	6.0	1.0	7.0	0.0	
199	28+63.51	34.31	482.30	481.32	476.3	R	461.8	5.0	6.0	14.5	20.5	20.3	HP 10x42
200	28+66.16	33.36	482.25	481.40	476.3	N	475.3	5.1	5.9	1.0	6.9	0.0	
201	28+68.77	34.40	482.20	481.18	476.2	R	461.7	5.0	6.0	14.5	20.5	20.3	HP 10x42
202	28+71.41	33.43	482.15	481.25	476.2	N	475.2	5.1	6.0	1.0	7.0	0.0	
203	28+74.03	34.46	482.10	481.03	476.1	R	461.6	4.9	6.0	14.5	20.5	20.3	HP 10x42
204	28+76.67	33.47	482.05	481.10	476.0	N	475.0	5.1	6.1	1.0	7.1	0.0	
205	28+79.30	34.48	482.00	480.89	476.0	R	461.5	4.9	6.0	14.5	20.5	20.3	HP 10x42
206	28+81.92	33.47	481.95	480.96	475.9	N	474.9	5.1	6.1	1.0	7.1	0.0	
207	28+84.56	34.46	481.90	480.73	475.9	R	461.4	4.8	6.0	14.5	20.5	20.3	HP 10x42
208	28+87.18	33.43	481.85	480.81	475.8	N	474.8	5.0	6.1	1.0	7.1	0.0	
209	28+89.82	34.40	481.80	480.58	475.7	R	461.3	4.9	6.1	14.4	20.5	20.3	HP 10x42
210	28+92.43	33.36	481.75	480.66	475.7	N	474.7	5.0	6.1	1.0	7.1	0.0	
211	28+95.08	34.31	481.70	480.43	475.6	R	461.2	4.8	6.1	14.4	20.5	20.3	HP 10x42
212	29+00.34	34.17	481.60	480.28	475.4	R	461.1	4.9	6.2	14.3	20.5	20.3	HP 10x42
213	29+02.94	33.09	481.55	480.40	475.3	N	474.3	5.1	6.3	1.0	7.3	0.0	
214	29+05.75	34.00	481.50	480.16	475.3	R	461.0	4.9	6.2	14.3	20.5	20.3	HP 10x42
215	29+08.26	33.05	481.45	480.27	475.2	N	474.2	5.1	6.3	1.0	7.3	0.0	
216	29+10.87	34.10	481.39	480.01	475.1	R	460.9	4.9	6.3	14.2	20.5	20.3	HP 10x42
217	29+13.51	33.13	481.34	480.11	475.1	N	474.1	5.0	6.2	1.0	7.2	0.0	
218	29+16.13	34.16	481.28	479.85	475.0	R	460.8	4.9	6.3	14.2	20.5	20.3	HP 10x42
219	29+18.76	33.17	481.22	479.95	474.9	N	473.9	5.1	6.3	1.0	7.3	0.0	
220	29+21.39	34.18	481.17	479.70	474.8	R	460.7	4.9	6.4	14.1	20.5	20.3	HP 10x42
221	29+24.01	33.17	481.11	479.80	474.8	N	473.8	5.0	6.3	1.0	7.3	0.0	
222	29+26.65	34.16	481.06	479.54	474.7	R	460.6	4.8	6.4	14.1	20.5	20.3	HP 10x42
223	29+29.26	33.14	481.00	479.64	474.6	N	473.6	5.0	6.4	1.0	7.4	0.0	
224	29+31.91	34.11	480.95	479.37	474.6	R	460.5	4.8	6.3	14.2	20.5	20.3	HP 10x42
225	29+34.52	33.06	480.89	479.47	474.5	N	473.5	5.0	6.4	1.0	7.4	0.0	

DRILLED SHAFT WALL

Drilled Shaft Number	Station	Offset	Top of Drilled Shaft El.	Existing Ground El.	Top of Rock El.	Shaft Type (R or N)	Shaft Tip El.	Depth to Bedrock (ft)	Drilled Shaft Above Bedrock (ft)	Drilled Shaft into Bedrock (ft)	Drilled Shaft Total Length (ft)	Steel Pile Length (ft)	Steel Pile Type
226	29+37.16	34.01	480.84	479.11	474.4	R	460.3	4.7	6.4	14.1	20.5	20.3	HP 10x42
227	29+39.77	32.95	480.78	479.26	474.4	N	473.4	4.9	6.4	1.0	7.4	0.0	
228	29+42.42	33.88	480.72	479.06	474.3	R	460.2	4.8	6.4	14.1	20.5	20.3	HP 10x42
229	29+45.01	32.80	480.67	479.20	474.2	N	473.2	5.0	6.5	1.0	7.5	0.0	
230	29+47.68	33.71	480.61	479.00	474.1	R	460.1	4.9	6.5	14.0	20.5	20.3	HP 10x42
231	29+50.26	32.61	480.56	479.15	474.0	N	473.0	5.1	6.6	1.0	7.6	0.0	
232	29+53.00	33.50	480.50	478.94	473.9	R	460.0	5.0	6.6	13.9	20.5	20.3	HP 10x42
233	29+55.59	32.43	480.44	479.07	473.9	N	472.9	5.2	6.5	1.0	7.5	0.0	
234	29+58.25	33.34	480.38	478.86	473.8	R	459.9	5.1	6.6	13.9	20.5	20.3	HP 10x42
235	29+60.83	32.25	480.32	478.98	473.7	N	472.7	5.3	6.6	1.0	7.6	0.0	
236	29+63.50	33.14	480.26	478.80	473.6	R	459.8	5.2	6.7	13.8	20.5	20.3	HP 10x42
237	29+66.07	32.03	480.21	478.95	473.6	N	472.6	5.3	6.6	1.0	7.6	0.0	
238	29+68.75	32.91	480.15	478.80	473.5	R	459.7	5.3	6.7	13.9	20.5	20.3	HP 10x42
239	29+71.30	31.78	480.09	478.95	473.4	N	472.4	5.6	6.7	1.0	7.7	0.0	
240	29+73.99	32.63	480.03	478.80	473.4	R	459.5	5.4	6.6	13.9	20.5	20.3	HP 10x42
241	29+76.54	31.48	479.97	478.95	473.3	N	472.3	5.6	6.7	1.0	7.7	0.0	
242	29+79.16	32.32	479.91	478.79	473.2	R	459.4	5.6	6.7	13.8	20.5	20.3	HP 10x42
243	29+81.58	31.16	479.86	478.94	473.2	N	472.2	5.7	6.7	1.0	7.7	0.0	
244	29+84.25	32.00	479.80	478.79	473.1	R	459.3	5.7	6.7	13.8	20.5	20.3	HP 10x42

SUMMARY OF QUANTITIES-WALL 7

DESCRIPTION	QUANTITY	UNIT
DRILLED SHAFT 30 IN. DIAMETER, REINFORCED	2,542	LFT
DRILLED SHAFT 30 IN. DIAMETER, UNREINFORCED	970	LFT
HAND RAIL, ~~PEDESTRIAN~~ STEEL	~~389~~ 642	LFT



HANDRAIL DETAILS
Scale: ½" = 1'-0

NOTE:
For Handrail Details, See Special Provisions.

NOTES:
FOR TYPICAL WALL SECTION, SEE SHEET 4
FOR DRILLED SHAFT WALL PLAN AND ELEVATION, SEE SHEETS 72 – 74

SAMUEL M. SWOR REGISTERED No. PE10910318 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 10/30/2017
DESIGN ENGINEER DATE

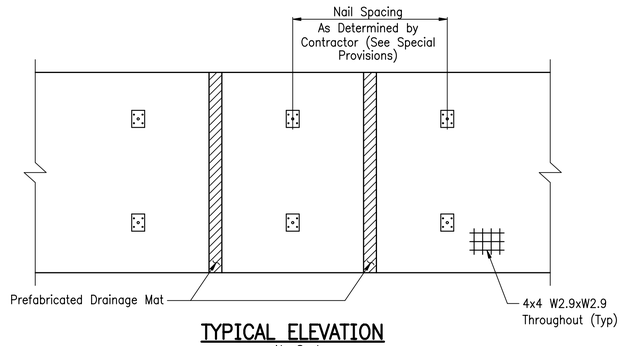
DESIGNED: SMS DRAWN: JJP
CHECKED: JJA CHECKED: SMS

INDIANA DEPARTMENT OF TRANSPORTATION

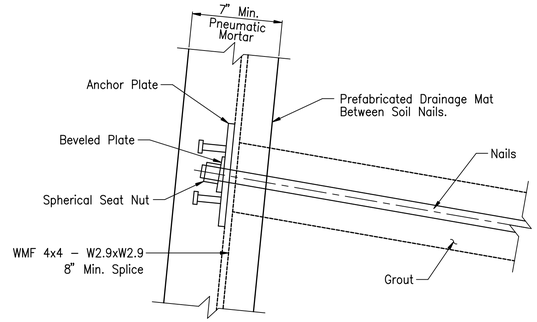
DRILLED SHAFT WALL TABLE

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	77 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

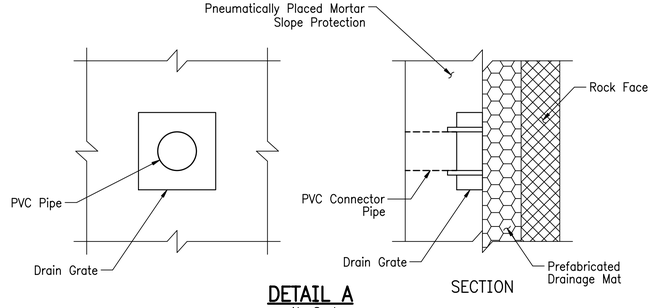
1/30/2018 | 2:57:58 PM | P:\091050_Mt_Tabor\09 Road - Indiana\04 Design files\DGN\Plans - P1\091050_14_Retaining Walls_Table_01.dgn



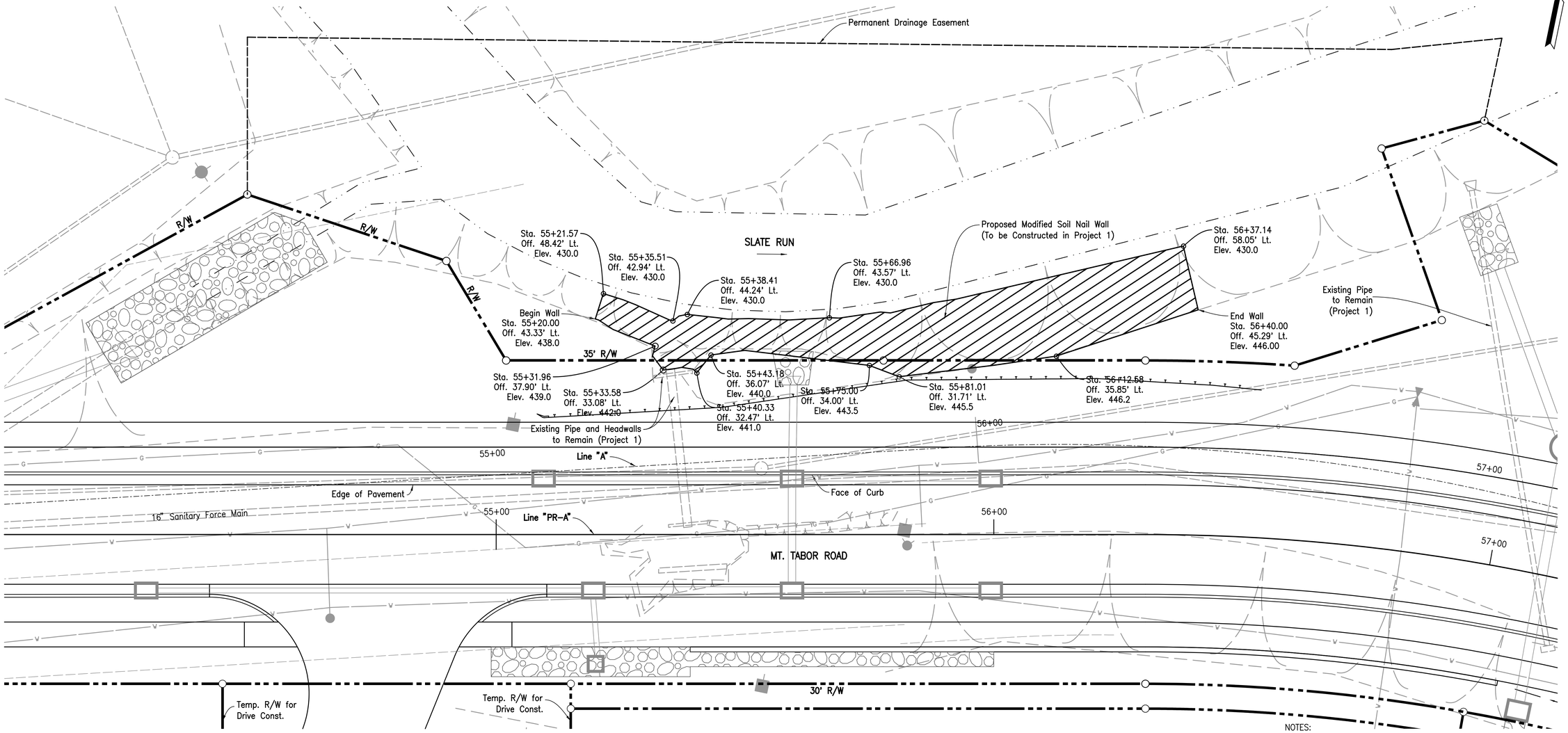
TYPICAL ELEVATION
No Scale



NAIL HEAD DETAIL
No Scale



DETAIL A
No Scale



PROPOSED PROJECT 2 ROAD RECONSTRUCTION SHOWN FOR INFORMATION ONLY.

WALL PLAN
Scale: 1" = 10'

NOTES:
ALL STATIONS/OFFSETS DESCRIBED FROM LINE "PR-A" UNLESS OTHERWISE NOTED.
FOR TYPICAL WALL SECTION, SEE SHEET 4.
FOR LOCATION OF DETAIL "A", SEE SHEET 4.

SAMUEL M. SWOR
REGISTERED
No. PE10910318
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 10/30/2017
DESIGN ENGINEER DATE

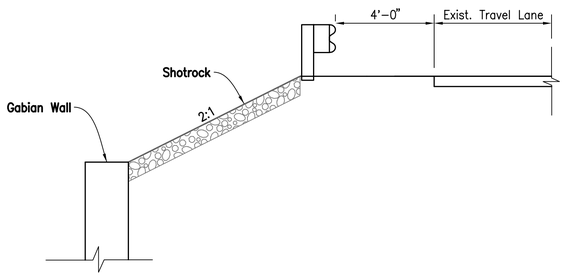
DESIGNED: SMS DRAWN: RLH/MAB
CHECKED: MSM CHECKED: SMS

INDIANA DEPARTMENT OF TRANSPORTATION

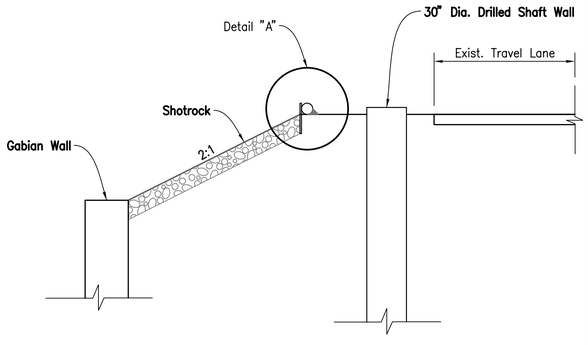
RETAINING WALL DETAILS
"PR-A" 55+20 TO 56+40 LT

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N.A.
VERTICAL SCALE	DESIGNATION NO.
AS NOTED	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	78 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

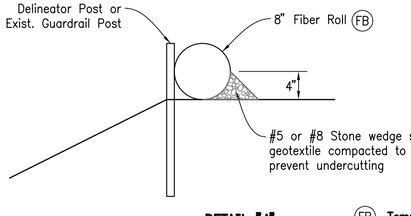
1/30/2018 | 2:58:10 PM | P:\091050_Mt_Tabor\09 Road - Indiana\04 Design Files\DGN\Plans - P1\091050_14_Retaining Walls_01.dgn



Existing Typical Section

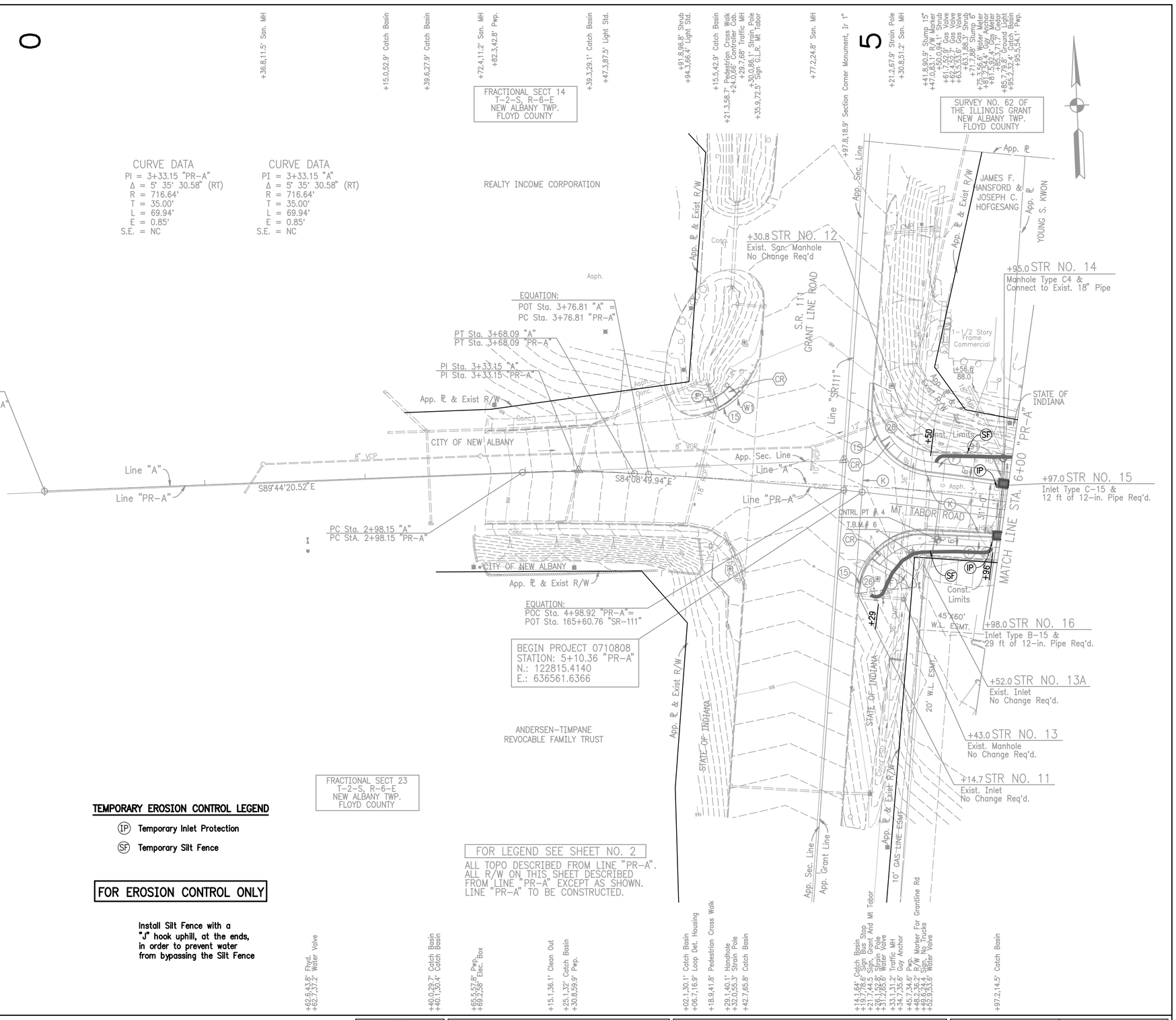


Proposed Typical Section



DETAIL "A"

(FB) Temporary Filter Berm



TEMPORARY EROSION CONTROL LEGEND

(IP) Temporary Inlet Protection

(SF) Temporary Silt Fence

FOR EROSION CONTROL ONLY

Install Silt Fence with a "J" hook uphill, at the ends, in order to prevent water from bypassing the Silt Fence

MONTE S. MILDENBERG
REGISTERED
No. PE60880378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: MAB

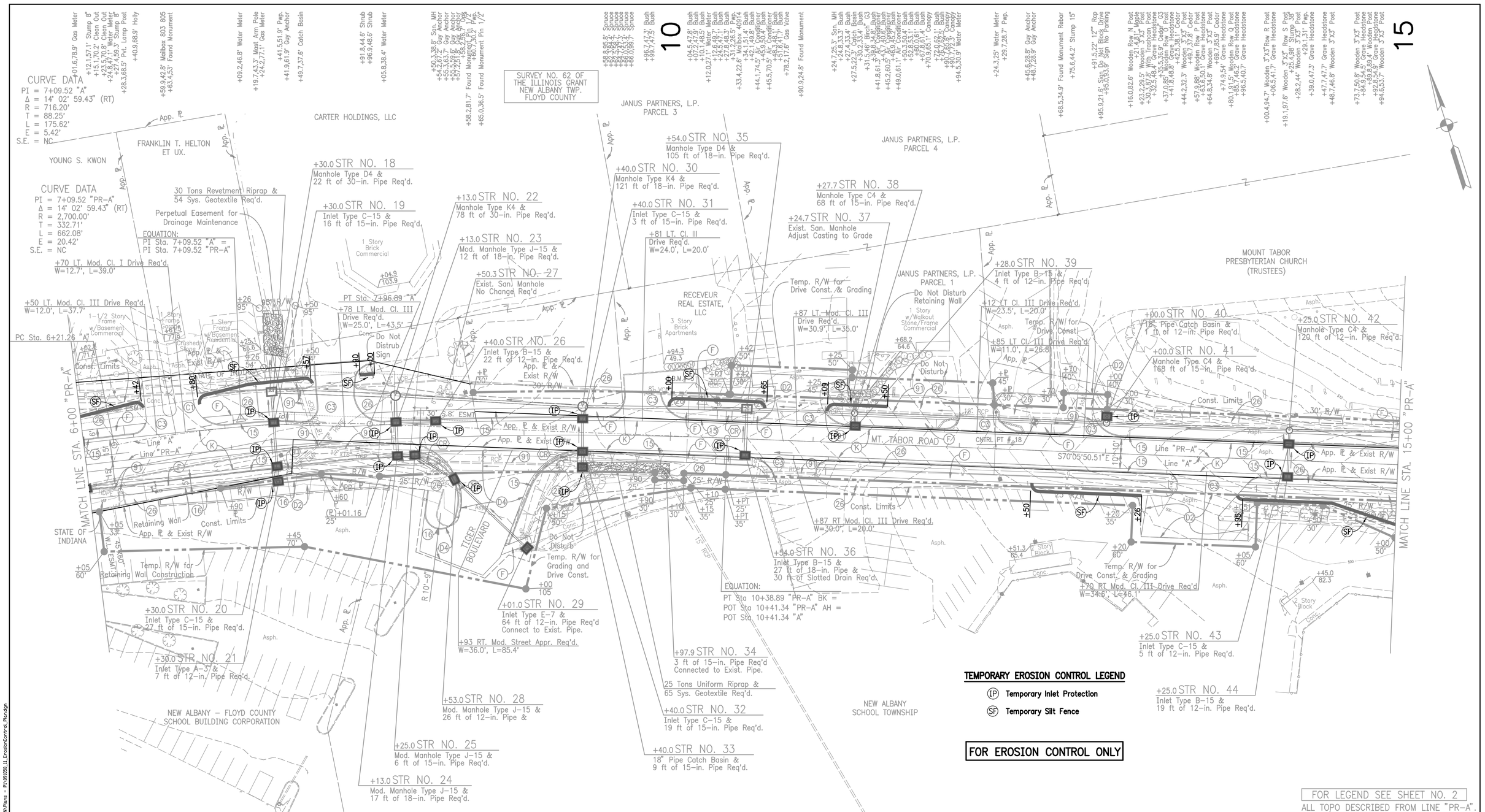
CHECKED: MSM | CHECKED: AJS

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
BEGIN TO STA. 6+00 "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	79 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/30/2018 | 2:58:12 PM | P:\709050_Mt_Tabor-V9 Road - Indiana\04 Design Files\SDA\Plans - P\709050_11_ErosionControl_Plan.dgn



MONTE S. MILDENBERG
REGISTERED
No. PE60880378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: MAB
CHECKED: MSM | CHECKED: AJS

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
STA. 6+00 TO 15+00 "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	80 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/30/2018 | 2:59:13 PM | P:\0710808_Mt_Tabor-V39 Road - Indiana\04 Design Files\SDN\Plans - P1\0710808_11_ErosionControl_Plan.dgn

15

+07.4,48.1' Grave Headstone
+11.2,91.1' Wooden Post
+14.4,56.4' Wooden Post, 5.5' Wooden Post
+33.6,86.1' Shrub
+35.0,96.1' Wooden Post
+35.4,60.6' Grave Headstone
+43.0,60.8' Wooden Post
+44.7,57.8' Grave Headstone
+54.8,63.4' Sn. MH
+58.1,44.9' Grave Headstone
+61.4,18.1 Sign, Pedestrain Crossing
+90.7,21.8' 12"" Rcp
+16.7,21.7' 12"" Rcp
+18.7,19.3 Sign, Do Not Block The Drive
+53.7,48.8' Grave Headstone
+63.1,47.3' Grave Headstone
+85.3,50.4' Bush
+89.1,41.1' Cedar
+97.1,95.8' Cedar
+98.8,47.1' Grave Headstone
+09.0,9.4' Found Monument, Rdg
+09.9,48.7" Grave Headstone
+14.5,67.5' Cedar
+20.1,52.9' Grave Headstone
+21.5,62.2' Pwp.
+31.2,57.6' Grave Headstone
+38.6,26.1' Sign, Hidden Entrance
+42.9,18.9 Sign, Slow Children
+43.8,56.5' Grave Headstone
+52.0,44.5' Grave Headstone
+63.9,39.4' Grave Headstone
+83.1,48.6' Grave Headstone
+90.8,21' Sn. MH
+93.6,40.9' Grave Headstone
+02.5,68' Cedar
+02.8,34.1' Grave Headstone
+17.8,41' Grave Headstone
+31.6,40.4' Grave Headstone
+37.8,33.1' R/W Marker
+43.9,41.4' Conc. With V Post
+45.2,78.4' Grave Headstone
+98.1,41.5' Pwp.
+21.4,58.4' Guy Anchor
+26.7,60.2' Guy Anchor
+31.8,64.6' Pwp.
+52.2,4.1' Found Monument Rdg
+78.6,39' Water Meter

20

+06.9,38.7' 15"Rcp
+12.7,29' For Eds Sign Post
Speed Lmt. Sign 30 Mph
+12.7,26.6' Speed Lmt. Sign 30 Mph
+46.5,43.3' Metal Post
+49.5,52.2' Guy Anchor
+51.7,51.9' Guy Anchor
+47.6,0' Gas Valve
+93.9,39.5' Guy Anchor
+93.9,42.7' Guy Anchor
+94.7,32.1' Pwp.
+05.5,11.5' San. MH
+75.1,38.8' Pwp.

TEMPORARY EROSION CONTROL LEGEND

- (IP) Temporary Inlet Protection
- (SF) Temporary Silt Fence
- (FB) Temporary Filter Berm (For Details See Sht. No. 79)

FOR EROSION CONTROL ONLY

CURVE DATA
PI = 21+55.37 "PR-A"
Δ = 12° 54' 49.20" (RT)
R = 940.00'
T = 106.38'
L = 211.86'
E = 6.00'
S.E. = NC

CURVE DATA
PI = 21+08.10 "A"
Δ = 17° 13' 27.91" (RT)
R = 950.00'
T = 143.88'
L = 285.59'
E = 10.83'
S.E. = NC

SURVEY NO. 62 OF THE ILLINOIS GRANT NEW ALBANY TWP. FLOYD COUNTY

CITY OF NEW ALBANY

SLATE RUN

MOUNT TABOR PRESBYTERIAN CHURCH (TRUSTEES)

+04 LT. Cl. III Drive Req'd. W=12.7', L=20'

PC Sta. 15+66.40 "PR-A"
PC Sta. 15+66.40 "A"

+50.0 STR NO. 48A
Manhole Type C4 &
195 ft of 12-in. Pipe Req'd.

+35.0 STR NO. 45
18" Pipe Catch Basin &
3 ft of 12-in. Pipe Req'd.

+35.0 STR NO. 46
Manhole Type C4 &
202 ft of 12-in. Pipe Req'd.

+50.0 STR NO. 48
Inlet Type C-15 &
6 ft of 12-in. Pipe Req'd.

+90.8 STR NO. 47
Exist. San. Manhole
No Change Req'd.

PT Sta. 19+16.15 "A"

POC Sta. 18+74.03 "A" =
PT Sta. 18+74.03 "PR-A"

+18.0 STR NO. 54
Inlet Type B-15 &
20 ft of 12-in. Pipe Req'd.

+50.0 STR NO. 50
Manhole Type C4 &
67 ft of 12-in. Pipe Req'd.

+52.2 STR NO. 51
Inlet Type C-15 &
11 ft of 12-in. Pipe Req'd.

PC Sta. 20+48.99 "PR-A"
PC Sta. 19+64.22 "A"

9 Tons Revetment Riprap &
20 Sys. Geotextile Req'd.

+20.0 STR NO. 53
Manhole Type C4 &
10 ft of 18-in. Pipe Req'd.

+17.4 STR NO. 55
Inlet Type C-15 &
11 ft of 12-in. Pipe Req'd.

PT Sta. 21+55.37 "PR-A"

EQUATION:
PRT Sta. 1+00.00 = S 2-A"
POC Sta. 21+79.78 "PR-A"

+05.0 STR NO. 59
Exist. Force Main Manhole
Adjust to Grade
CNTRL PT # 28

+53.4 STR NO. 61
18" Pipe Catch Basin &
45 ft of 12-in. Pipe Req'd.

PT Sta. 22+49.81 "A"

PT Sta. 22+60.85 "PR-A"

Perpetual Drainage Easement

Drilled Shaft Retaining Wall

+00.0 STR NO. 62
Inlet Type C-15 &
130 ft of 12-in.
Pipe Req'd.

MATCH LINE STA. 15+00 "PR-A"

MATCH LINE STA. 24+00 "PR-A"

MT. TABOR ROAD

Line "PR-A" N67°15'56.69"E

Line "A" N72°24'01.76"E

Line "PR-A" N85°18'50.94"E

Line "A"

Const. Limits 30' R/W

App. ℄ & Exist R/W

Temp. R/W for Grading

Temp. R/W for Drive Const. & Yard Grading

Temp. R/W for Drive Const.

Remove G.R. Const. Limits 40' R/W

Remove Landscape Wall

Do Not Disturb Bush & Pavers

Do Not Disturb Light Pole & Plants

+48 RT. Cl. III Drive Req'd. W=24.1', L=20'

+01 RT. Mod. Cl. III Drive Req'd. W=12', L=20'

+13 RT. Mod. Cl. III Drive Req'd. W=10.3', L=23.6'

+75 RT. "S-2-A" Mod. Cl. I Drive Req'd. W=18.0', L=24.5'

+66 RT. Mod. Cl. I Drive Req'd W=16.0', L=20.0'

PI Sta. 17+49.82 "A"

PI Sta. 17+25.96 "PR-A"

+50.0 STR NO. 49
Inlet Type B-15 &
20 ft of 12-in. Pipe Req'd.

+52.4 STR NO. 52
Inlet Type B-15 &
19/ft of 12-in. Pipe Req'd.

SPRINKLER ST

SANITARY FORCE MAIN

T.B.M. # 4 CNTRL PT # 24

ASPH. ENTRY

1 Story Frame Garage

1 Story Stone Commercial

2 Story Stone/Frame Residential

1 Story Brick Residential

2 Story Brick/Frame Residential

NEW ALBANY SCHOOL TOWNSHIP

CYNTHIA WATTERS & NATHAN WATTERS LOT 6

OAKWOOD SUBDIVISION SECTION 1

LOT 9

LOT 10

JANICE E. GOODMAN LOT 4

SHERRI A. LAYMAN LOT 3

W. OAKWOOD DRIVE

Line "S-2-A" S06°01'43.99"E

POT Sta. 2+50.00 "S-2-A"

5' D.&U.E.

+00 "S-2-A" 50 Temp. R/W for Drive Const.

+75 "S-2-A" 35'

+95 "S-2-A" 35'

+83 "S-2-A" 40'

+60 "S-2-A" 40' BADEA SHEAROUSE LOT 5

+40 "S-2-A" 45'

+74.8 "S-2-A"

+65 "S-2-A" 40'

+70 "S-2-A" 45'

+66 "S-2-A" 50'

+95 "S-2-A" 45'

+00 "S-2-A" 35

+75 "S-2-A" 40'

FOR DRILLED SHAFT RETAINING WALL DETAILS SEE SHEET Nos. 72-77

FOR LEGEND SEE SHEET NO. 2

ALL TOPO DESCRIBED FROM LINE "PR-A". ALL R/W ON THIS SHEET DESCRIBED FROM LINE "PR-A" EXCEPT AS SHOWN. LINE "PR-A" TO BE CONSTRUCTED.

CURVE DATA
PI = 17+25.96 "PR-A"
Δ = 37° 30' 07.73" (LT)
R = 470.00'
T = 159.55'
L = 307.63'
E = 26.34'
S.E. = NC

CURVE DATA
PI = 17+49.82 "A"
Δ = 42° 38' 12.80" (LT)
R = 470.00'
T = 183.42'
L = 349.75'
E = 34.52'
S.E. = NC

+57.2,97.6' Pwp.
+45.9,38' Oak
+60.1,40.8' Maple
+60.0,42.4' Cedar
+79.6,38' Maple
+81.0,41.2' Maple
+89.1,38.3' Maple
+95.9,37.9' Oak
+97.5,21.4' Water Meter
+00.4,21.8' Lwn Sprkr V.
+16.2,31.6' Fhyd.
+22.1,92.2' Guy Anchor
+21.3,37.2' Gas Valve
+21.7,21.6' Gas Valve
+21.9,18.3' Light Std.
+01.0,73.5' Maple
+58.8,41' Water MH
+59.4,39.5' Water Valve Post Indicator Valve
+77.2,19.2' Speed Lmt. Sign 30 Mph
MOUNT TABOR PRESBYTERIAN CHURCH (TRUSTEES)
+52.9,72.7' Maple
+74.5,17.1' Water Valve
+93.6,13.3' Hdwl.
+93.5,45.1' Hdwl.
+93.7,19.6' Hdwl.
+90.8,17.7' Hdwl.
+90.0,15.9' Mailbox
+18.8,20' Water Meter
+21.6,62.4' Ash
+19.0,12.8' Found Monument, Rebar
+26.0,79.4' Maple
+39.6,3.3' Wooden Post
+39.5,45.1' Guy Anchor
+42.5,45.1' Wooden Post
+50.2,26.8' Wooden Post
+72.0,11.1' Wooden Post
+77.4,11.8' Wooden Post
+82.9,12.3' Wooden Post
+88.4,12.6' Wooden Post
+93.9,13.0' Wooden Post
+98.9,13.6' Wooden Post
+04.2,14.2' Wooden Post
+15.8,15.1' Wooden Post
+21.3,41.9' Maple
+43.5,83.8' Mailbox 3511
+74.8,68.1' Bush
+03.7,87.9' Mailbox Paperbox
+03.7,88.5' Mailbox 3512
+04.1,13.3' Water Valve
+12.2,46.6' Gas Valve
+13.1,83.9' Fhyd.
+13.3,31.9' Shrub
+14.5,82.7' Pvt. Lamp Post
+15.4,81.6' Shrub
+16.2,31.2' Maple
+22.5,41' Maple
+07.1,18' Found Monument, Rebar
+19.2,53.3' Holly
+31.3,39.5' Willow
+38.1,14.4' Water Meter
+54.4,14.1' Pvt. Lamp Post
+77.6,12.2' Mailbox 930
+78.2,11.3' Mailbox Paperbox
+79.0,48.3' Holly
+79.1,13.2' Gas Valve
+86.8,16.2' Found Monument, Rebar
+93.2,33.3' Shrub
+99.9,69.2' Maple

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MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S. Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: MAB
CHECKED: MSM | CHECKED: AJS

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
STA. 15+00 TO 24+00 "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	81 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

Revised Station Range on Title BLock 1-22-2018

25

30

TEMPORARY EROSION CONTROL LEGEND

- (IP) Temporary Inlet Protection
- (SF) Temporary Silt Fence
- (FB) Temporary Filter Berm (For Details See Sht. No. 79)

FOR EROSION CONTROL ONLY

+49.3,41.5' Pwp.
+51.2,54.9' Guy Anchor
+91.6,37.2' Sign Curve Left R
+28.6,6.4' San. MH
+30.2, 34.9' Guardrail Left
+59.9,46.7' Gabion Wall Left
+59.9,46.7' Gabion Wall Left
+23.3,40.3' Pwp.
+25.8,40.2' Guardrail Left
+08.6, 51' Guardrail Left
+262.5,45' Guy Anchor
+08.6,42.8' 24" Cmp
+59.7,35.2' Pwp.
+69.9,32.5' Ash" G4
+95.1,84.3' Sycamore
+00.5,39.4' Found Monument, Ip
+23.3,33.7' Ash
+24.2,33.2' Water Meter
+29.9,38.5' Water Meter
+34.5,7.4' Water Valve
+39.0,98.7' Pine
+67.1,38.4' Stump 12"
+72.9,37.9' Shrub
+74.8,64.1' Catch Basin
+78.1,37.3' Stump 14"
+07.6,98.4' Cistern
+07.6,96.8' Catch Basin
+95.5,8.4' San. MH
+98.5,37' Pine
+16.4,49.7' Pvt. Lamp Post
+32.5,31.4' Guy Anchor
+34.3,26.9' Mailbox 1013
+35.0,29.2' Found Monument, Ip
+39.1,91.3' Cedar" G3
+40.8,4.7' Found Monument Reading Pt. No. 3692
+47.5,24.3 Right Curve
+69.3,95.2' Holly
+74.1,72.2' Magnolia
+91.0,66.7' Apple
+95.2,94.4' Cherry
+97.5,92.6' Maple

CURVE DATA
PI = 27+81.81 "A"
Δ = 28° 41' 28.68" (LT)
R = 675.00'
T = 172.63'
L = 338.01'
E = 21.72'
S.E. = NC

CURVE DATA
PI = 27+92.30 "PR-A"
Δ = 31° 38' 05.77" (LT)
R = 690.00'
T = 195.48'
L = 380.97'
E = 27.16'
S.E. = NC

App. ℄

SURVEY NO. 62 OF THE ILLINOIS GRANT NEW ALBANY TWP. FLOYD COUNTY

CITY OF NEW ALBANY

MARK A. SIGWALT

JACK M. GABLE & DOROTHY M. GABLE

LEWIS A. ENDRES & DEBORAH S. ENDRES

DOUGLAS P. JULIUS & KAREN M. JULIUS

MELVIN F. CARDONA & DEISY S. BLANCO LOT 2

DOUGLAS S. YOCKEY & NANCY S. YOCKEY LOT 1

OAKWOOD SUBDIVISION SECTION 1

LOT 11 LOT 12 LOT 13 LOT 14

AYMIE MULLINS & WILLIAM SPAULDING

STEVEN MENNEMEYER ET UX.

+35.0 STR NO. 64
Inlet Type C-15 &
27 ft of 12-in. Pipe Req'd.

+35.0 STR NO. 65
Inlet Type C-15 &
19 ft of 12-in. Pipe Req'd.
& 20 ft of Slotted Drain

+00.0 STR NO. 62
Inlet Type C-15 &
130 ft of 12-in. Pipe Req'd.

+00.0 STR NO. 69
Inlet Type C-15 &
24 ft of 12-in. Pipe Req'd.

+75.0 STR NO. 67
Inlet Type B-15 &
50 ft of 12-in. Pipe Req'd.

+00.0 STR NO. 70
Inlet Type C-15 &
20 ft of 12-in. Pipe Req'd.

+33.0 STR NO. 71
Inlet Type B-15 &
29 ft of 12-in. Pipe Req'd.

+27.7 STR NO. 72
Manhole Type C4 &
13 ft of 15-in. Pipe Req'd.

+34.0 STR NO. 73
Inlet Type C-15 &
15 ft of 15-in. Pipe Req'd.

+65.0 STR NO. 76
Inlet Type B-15 &
26 ft of 12-in. Pipe Req'd.

+34.0 STR NO. 74
Inlet Type C-15 &
20 ft of 15-in. Pipe &
20 ft of Slotted Drain Req'd.

+60.0 STR NO. 75
Inlet Type C-15 &
21 ft of 15-in. Pipe &
10 ft of Slotted Drain Req'd.

+84.5 STR NO. 77
Exist. Storm Manhole
Adjust Casting to Grade

+80.0 STR NO. 78
Inlet Type B-15 &
115 ft of 12-in. Pipe Req'd.

+95.5 STR NO. 79
Exist. San. Manhole
Adjust to Grade

4 Tons Revetment Riprap &
11 Sys. Geotextile Req'd.

65 Tons Class 1 Riprap &
82 Sys. Geotextile Req'd.

PC Sta. 25+96.82 "PR-A"
PC Sta. 26+09.18 "A"
PT Sta. 29+77.79 "PR-A"
PT Sta. 29+47.19 "A"
PI Sta. 27+92.30 "PR-A"
PI Sta. 27+81.81 "A"

+78 RT. Mod. Street Appr. Req'd.
W=18.3', L=44.2'

+06 RT. Mod. Street Appr. Req'd.
W=18.7', L=44.2'

+54 RT. Mod. Cl. I Drive Req'd.
W=10.3', L=20.2'

+62 RT. Mod. Cl. I Drive Req'd.
W=38.1', L=31.5'

+21 LT. Cl. I Drive Req'd.
W=13.7', L=30.0'

+46 LT. Mod. Cl. I Drive Req'd.
W=18.6', L=30.0'

+08 RT. Cl. I Drive Req'd.
W=10.5', L=28.6'

Perpetual Drainage Easement
Drilled Shaft Retaining Wall
Exist. Gabion Wall Remain in Place
Landscape Wall to Remain
Remove G.R.
Remove Exist. Brick Pillar
Do Not Distrub Brick Pillar
Temp. R/W for Yard Grading
Temp. R/W for Drive Const.
Const. Limits
App. ℄ & Exist R/W
CNTRL PT # 35
MATCH LINE STA. 24+00 "PR-A"
MATCH LINE STA. 33+00 "PR-A"
N85°18'50.94"E Line "A"
N53°40'45.18"E Line "PR-A"
MT. TABOR ROAD
E. OAKWOOD DRIVE
45' R/W
40' R/W
30' R/W
70' W.L. ESMT.
25' B.L.
10' D.&U.E.
5' D.&U.E.
Tri-Level Brick/Frame Residential
2 Story Brick/Frame Residential
1 Story Stone W/Basement Residential
1 Story Frame Garage
STORM DRAIN EASEMENT
Asph.
Conc.
Shrubs
Temp. R/W for Drive Const.
Aspht.
Asphalt
Remove Exist. Brick Pillar

FOR DRILLED SHAFT RETAINING WALL DETAILS SEE SHEET Nos. 72-77

FOR LEGEND SEE SHEET NO. 2

ALL TOPO DESCRIBED FROM LINE "PR-A" ALL R/W ON THIS SHEET DESCRIBED FROM LINE "PR-A" EXCEPT AS SHOWN. LINE "PR-A" TO BE CONSTRUCTED.

+04.2,58.4' Hackberry
+34.0,14.3' Pvt. Lamp Post
+49.2,11.7' Mailbox 932
+50.4,11.1' Mailbox Paperbox
+54.7,10.1' Shrub
+55.7,32.7' Shrub
+89.5,43.9' Air Conditioner
+97.8,43.6' Gas Meter
+12.8,7.6' Water Meter
+43.7,10.2' Sign Left Curve
+52.0,10.9' Lamp Post
+55.0,8.9' Bush
+66.0,8.9' Mailbox 3507
+67.0,0.25' Catch Basin
+71.0,0.1' Gas Valve
+77.0,0.1' Mailbox
+80.4,24.5' Bush
+82.6,45.9' Redbud
+83.7,41.9' Bush
+84.1,51.9' Redbud
+18.3,32' Water Valve
+18.7,43.1' Post
+21.0,29.6' MT-4, Sr11
+24.1,19.6' Water Meter
+25.5,52.8' Water Valve
+43.1,42.8' Catch Basin
+44.4,55.2' Canopy
+54.5,60.8' Canopy
+63.7,69.2' Shrub
+64.5,75.9' Shrub
+62.9,9.1' Pvt. Lamp Post
+87.8,46.1' Canopy
+88.2,46.1' Canopy
+01.8,4.8' Speed Lmt. Sign 30
+14.2,9.8' Hdw.
+15.0,7.8' Hdw.
+16.0,2.1' Hdw.
+32.9,14.1' Gas Meter
+42.1,30.2' Guy Anchor
+43.5,34.9' Guy Anchor
+44.5,16.7' Pwp.
+63.6,43.9' Pine
+66.8,68.3' Hickory
+71.8,55.4' Pine
+82.4,23.5' Maple
+84.4,21.2' Maple
+88.2,47.1' Maple
+93.5,75.6' Maple
+99.4,76.8' Maple
+02.4,80.8' Maple
+48.4,81' Oak
+99.8,27.7' Maple
+03.5,37.6' Bush
+12.7,34.5' Bush
+25.0,27.3' Bush
+29.3,27.3' Bush
+32.3,18.8' Bush
+39.8,4.1' 12" Rcp
+80.3,6.6'
+68.8,94.2' Chery
+88.0,43.6' Brick Pillar
+88.4,31.3' 15 Broke Off
+00.1,25.3' Hdw.
+02.1,25.1' Hdw.
+02.5,25.2' Hdw.
+03.6,6.3' 24" Cmp
+16.5,75.8' Maple
+31.4,45.2' Maple
+43.2,19.1' Water Meter
+44.9,37.3' Maple
+67.8,50.1' Cherry
+69.2,52.4' Found Monument, Rebar
+77.3,94.5' Magnolia" G3
+84.2,76.6' Pine
+85.2,60.5' Storm MH
+86.2,50.6' Oak
+19.5,25.8' Water Meter
+47.4,55.7' Maple
+83.9,70.2' Elm
+83.9,72.2' Mailbox 1014
+84.3,72.6' Pine
+00.3,14.4' 12" Rcp
+35.5,28.4' Found Monument, Pin
+37.1,11.4 MT-4 W3-1
+48.0,94.8' Ash
+56.6,41.9' Persimmon
+68.3,34.4' Pine
+99.1,51.6' Maple" G10

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: MAB
CHECKED: MSM CHECKED: AJS

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
STA. 24+00 TO 33+00 "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808

SURVEY BOOK	SHEETS
ELECTRONIC	82 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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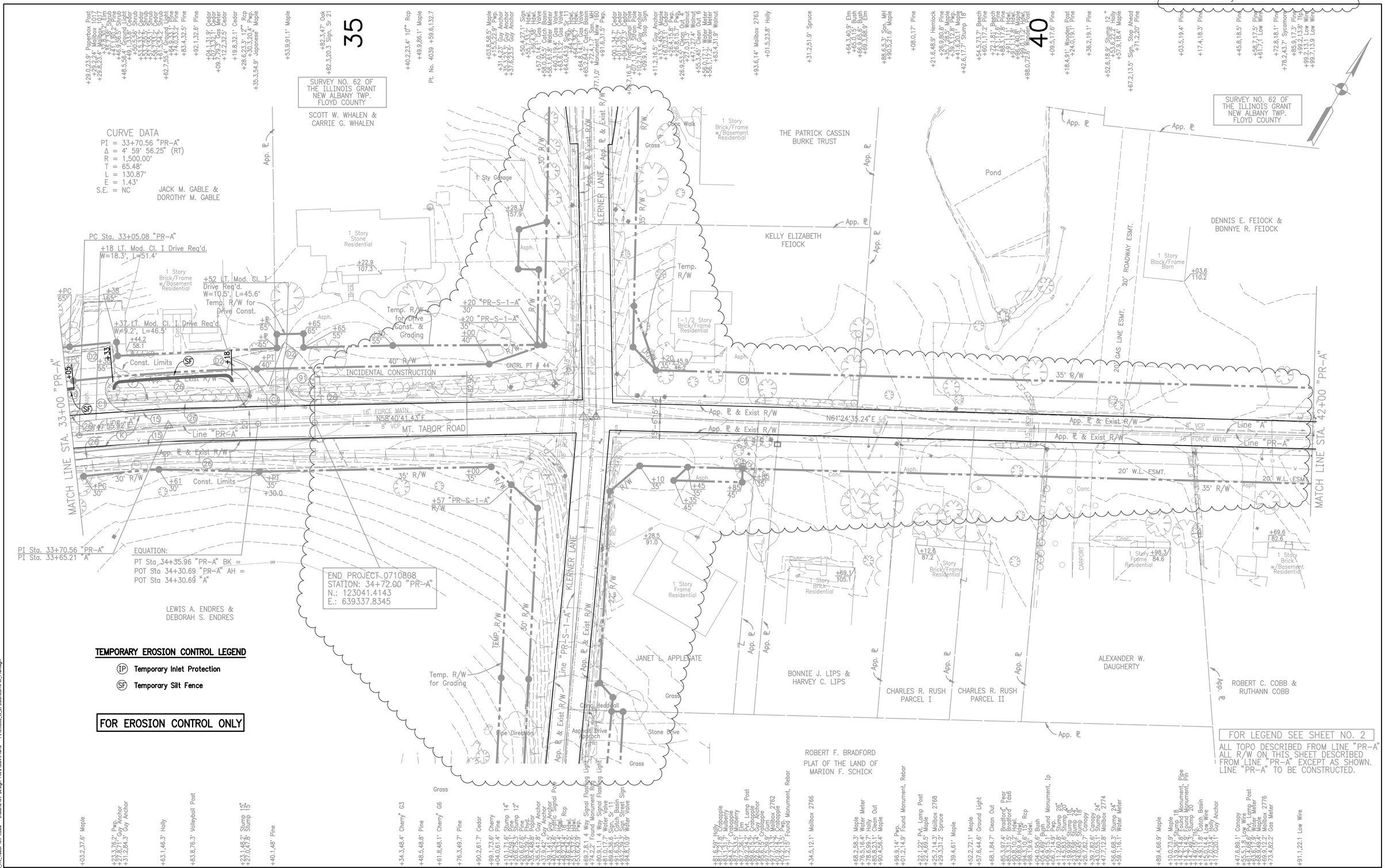
Revised Project Limits 1-22-2018



MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: MAB
CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
STA. 33+00 TO 42+00 "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	83 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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Sheet Not Used 1-22-2018

10

15

BEGIN CONSTRUCTION 0710808
STATION: 13+00.00 "PR-S-1-A"
N.: 122904.544
E.: 639627.457

PI Sta. 13+05.25 "PR-S-1-A"

PI Sta. 11+20.17 "PR-S-1-A"

POT Sta. 10+00.00 "PR-S-1-A"

SURVEY NO. 62 OF THE ILLINOIS GRANT NEW ALBANY TWP. FLOYD COUNTY

LEWIS A. ENDRES & DEBORAH S. ENDRES

EQUATION:
PI Sta. 15+68.21 "PR-S-1-A" =
POT Sta. 36+68.00 "PR-A"

+25.0 STR NO. 95A
18-in. Catch Basin &
17 ft of 18-in. Pipe Req'd.

+10.0 STR NO. 88
Mod. Manhole Type J-15 &
70 ft of 12-in. Pipe Req'd.

+25.0 STR NO. 95
Mod. Manhole Type J-15 &
54 ft of 18-in. Pipe Req'd.

+86.0 STR NO. 91
Mod. Manhole Type J-15 &
33 ft of 15-in. Pipe Req'd.

+10.0 STR NO. 85
Inlet Type C-15 &
96 ft of 12-in. Pipe Req'd.

STR NO. 80
See Line "PR-A"

STR NO. 82
See Line "PR-A"

STR NO. 81
See Line "PR-A"

STR NO. 83A
See Line "PR-A"

STR NO. 83
See Line "PR-A"

+45.6 "PR-A" STR NO. 97A
Manhole Type D4 &
48 ft of 18-in. Pipe Req'd.

+37.0 STR NO. 97
Inlet Type B-15 &
9 ft of 12-in. Pipe Req'd.

SURVEY NO. 62 OF THE ILLINOIS GRANT NEW ALBANY TWP. FLOYD COUNTY

SCOTT W. WHALEN & CARRIE G. WHALEN

1 Story Stone Residential

POT Sta. 6+00.00 "S-1-A" =
OPOT Sta. 18+68.48 "PR-S-1-A", 0.46' LT.

+66.0 STR NO. 100
Exist. San. Manhole
Adjust to Grade

+71.0 STR NO. 101
Manhole Type C4 &
159 ft of 24-in. Pipe Req'd.

MATCH LINE STA. 18+75 "PR-S-1-A"

+86.0 STR NO. 92
Inlet Type B-15 &
31 ft of 15-in. Pipe Req'd.

+10.0 STR NO. 85A
Inlet Type B-15 &
23 ft of 12-in. Pipe Req'd

+37.0 STR NO. 98
Inlet Type B-15 &
15 ft of 12-in. Pipe Req'd.

STR NO. 96
See Line "PR-A"

STR NO. 107
See Line "PR-A"

+23.0 STR NO. 99
Manhole Type J4 &
243 ft of 24-in. Pipe Req'd.

EQUATION:
P.O.T. 12+69.03 "PR-S-1-A" =
P.O.T. 0+00.00 "S-1-A"

EQUATION:
PI Sta. 36+77.07 "A" =
PI Sta. 36+77.07 "PR-A" =
P.I. Sta. 3+00.00 "S-1-A"

JANET L. APPLEGATE

DONALD E. COPPLE, JR. ET UX.

ROBERT F. BRADFORD

PLAT OF THE LAND OF MARION F. SCHICK

KELLY ELIZABETH BLOCK

THE PATRICK CASSIN BURKE TRUST

KLERNER LANE

MT. TABOR ROAD

Temp. R/W for Drive Const. and Yard Grading

Temp. R/W for Grading TEMP. R/W

Temp. R/W for Drive Const.

Temp. R/W for Drive Const.

Incidental Construction

Const. Limits

Ex. Fence

Do Not Disturb Brick Wall

Paper Box

Conc Wall

Conc Walk Exposed Agg

Flowers/bushes

Flowers/shrubs

Hand Loved Flowers Mulch Flowers And Bushes

Dirt/Stone Drive

Asphalt Drive

Stone Drive

Grass

Brick Wall

Asphalt

Concrete

Stone

Brick/Frame

Frame

Residential

Brick/Frame w/ Basement Residential

Sty Garage

Abby

Asph.

Gravel

Line "PR-A"

Line "PR-S-1-A"

Line "S-1-A"

App. ℄ & Exist R/W

App. ℄

N27°18'22.19"W

N25°10'34"W

N27°08'36"W

N27°08'15"W

N29°51'08"W

N12°35'24"E

TEMPORARY EROSION CONTROL LEGEND

(IP) Temporary Inlet Protection

(SF) Temporary Silt Fence

FOR EROSION CONTROL ONLY

FOR LEGEND SEE SHEET NO. 2

ALL TOPO DESCRIBED FROM LINE "PR-S-1-A".
ALL R/W ON THIS SHEET DESCRIBED FROM LINE "PR-S-1-A" EXCEPT AS SHOWN.
LINE "PR-S-1-A" TO BE CONSTRUCTED.

+77.5, 49.5' Bush
+77.6, 52.4' Bush
+82.4, 32.4' Guy Anchor
+82.7, 24.0' Guy Pole
+82.7, 13.6' 24"
+82.2, 14.9' Mailbox 1815

+57.5, 27.4' Found Monument Pin 1/2"
+58.0, 16.7' Speed Lmt. Sign 30

+84.8, 17.5' Mailbox 1833

+98.3, 27.9' 1.35" x 1.35" Post
+98.7, 60.0' Stump 12"

+02.0, 36.9' 2 x 2 Brick Post
+04.3, 36.2' Bush
+25.7, 36.7' Bush
+28.2, 37.2' 1.35" x 1.35" Post
+29.8, 21.5' 7.35"x1.35 Brick Post

+32.7, 46.2' Water Meter

+59.5, 52.7' 24" Cherry

+26.3,66.6' 4" Catalpa

+91.6, 67.0' Elm
+11.4, 67.5' 6" Mulberry

+16.8, 60.5' 8" Elm
+22.4, 64.6' Pine
+22.8, 66.1' Stump 15"

+32.2, 57.9' Stump 18"

+35.2, 28.6' 6" Vcp

+89.7, 41.8' Stump 12"
+89.8, 63.3' Stump 14"
+92.6, 52.5' Stump 14"

+01.0, 73.1' Cedar
+02.3, 59.4' Pine
+04.2, 67.8' Pine
+12.0, 67.8' Pine
+17.2, 28.9' Poplar
+24.1, 27.0' Guy Anchor
+24.4, 11.2' Pwp.
+24.7, 25.8' Guy Anchor
+24.7, 16.5' 18" Rcp
+32.7, 19.7' Hdwl.
+32.9, 17.4' Hdwl.
+35.3, 17.4' Vcp
+41.7, 25.9' Traffic Signal Pole

+81.2, 4.8' Gas Valve
+81.3, 14.6' Gas Valve
+87.3, 83.3' Gas Valve
+89.6, 49.9' Guy Anchor
+90.1, 33.7' Guy Anchor
+90.4, 94.5' Sign
+00.9, 13.0' Hdwl.
+01.8, 13.0' Hdwl.
+02.7, 11.6' Catch Basin
+04.0, 5.4' Hdwl.
+04.2, 5.6' Hdwl.
+05.7, 13.2' Hdwl.
+11.9, 5.9' Sign, Sr 11
+29.5, 12.5' Gas Line Meter
+31.7, 5.5' Catch Basin
+49.5, 25.8' Magnolia

+74.4, 7.4' Mailbox 3601
+78.0, 6.7' Catch Basin

+99.4, 21.6' Post

+09.1, 21.2' Sliding Gate Post

+25.5, 1.6' Pwp.
+27.8, 25.6' Birch G5

+47.1, 27.2' Birch G2

+61.9, 11.4' Catch Basin
+65.0, 26.7' Birch G3

+85.6, 28.4' 24" Birch

+24.6, 15.8' Mailbox 3606
+26.1, 60.3' Stump 1
+27.0, 59.7' Dogwood

+65.8, 9.0' Sanitary MH

+82.9, 19.1' Pwp. w/Tel.
+84.8, 15.2' Mailbox 1830
+86.0, 15.3' Bush
+86.7, 60.3' Flagpole

+27.2, 51.0' Pvt. Lamp Post
+28.2, 27.9' Bush
+35.8, 29.9' Bush

+48.7, 30.5' Bush

+59.1, 30.9' Bush

+69.4, 30.0' Bush
+74.6, 25.5' Water Meter

+85.9, 80.3' Bush
+86.1, 69.7' Bush
+95.9, 13.9' Mailbox 1832
+00.5, 46.5' Bush

+25.1, 98.3' Bush
+26.1, 38.6' 10" Holly

+31.7, 19.1' Tfp.
+32.5, 21.3' Pwp.

+71.9, 24.3' Water Meter
+73.4, 60.3' Cherry
+81.0, 29.6' Water Meter

+02.1, 77.3' Pear

+28.7, 17.0' Hdge
+29.2, 15.0' 15" Mailbox 1834
+32.5, 17.0' Found Monument #5 Spc Moffett

+63.9, 54.5' 15" Walnut
+64.5, 19.1' 12" Cmp
+66.2, 49.2' Hdwl.
+66.4, 17.1' Hdwl.

+61.0, 15.2' Mailbox No. Number

+73.4, 25.5' Guy Anchor
+73.5, 27.4' Guy Anchor

+05.8, 20.9' Pwp.

+16.8, 21.0' Guy Anchor

+30.0, 26.2' Sign Street Sign
+32.0, 22.5' Sign, Sr 11
+34.8, 24.5' Catch Basin

+51.3, 13.4' Water Valve

+58.4, 27.0' Water Valve
+66.6, 6.3' Found Monument Rdg
+70.1, 4.3' Sanitary MH
+82.8, 41.9' Stop Sign

+88.1, 58.8' Pwp.
+88.4, 58.8' Light Pole
+88.8, 42.3' Guy Anchor
+89.3, 42.3' Guy Anchor
+89.3, 80.1' Water Meter

+91.5, 48.1' Cedar
+92.2, 49.2' Walnut
+92.7, 49.2' Cedar
+93.8, 37.0' Walnut
+94.2, 49.1' Walnut
+00.1, 42.2' Cedar
+04.2, 33.3' Cedar

+12.7, 30.6' Maple
+13.0, 45.7' Cedar
+13.2, 47.6' Maple
+13.4, 31.0' Cedar
+13.8, 31.6' Cedar
+14.3, 32.2' Cedar
+56.0, 32.2' Cedar

+70.0, 30.8' Cedar
+73.5, 54.0' Maple

+98.1, 26.2' Cedar

+11.5, 29.4' Pwp.
+12.5, 20.6' Sign, Sr 21 30
+19.3, 26.4' Found Monument 5/8" Pin
+20.1, 20.0' Pwp.
+33.3, 67.0' Willow
+42.6, 45.5' Maple

+72.5, 23.0' Water Meter

+75.8, 57.2' Maple

+06.1, 64.0' Light Std. Electric
+07.3, 15.7' Bush

+36.0, 26.1' Found Monument 1/2" Pin
+61.5, 57.6' Gas Meter
+62.4, 45.4' 4" Cherry
+66.0, 13.4' Mailbox
+72.5, 53.5' Cleanout

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MONTE S. MILDENBERG
REGISTERED
No. PE60880378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: MAB
CHECKED: MSM | CHECKED: AJS

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
BEGIN TO 18+75 "PR-S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	84 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

Revised Project Limits 1-22-2018

CURVE DATA
PI = 19+77.20 "PR-S-1-A"
Δ = 14° 42' 16.43" (RT)
R = 700.00'
T = 90.32'
L = 179.65'
E = 5.80'
S.E. = NC

SURVEY NO. 62 OF THE ILLINOIS GRANT NEW ALBANY TWP. FLOYD COUNTY

BLUE RIVER DEVELOPMENT SERVICES, INC.

SCOTT W. WHALEN & CARRIE G. WHALEN

MARY L. LEHMAN

KENNETH E. PARIS LIVING TRUST

WILLIAM THERIAC & DANA THERIAC

DENNIS E. & BONNYE R. FEIOCK

+40.0 STR NO. 103
Inlet Type B-15 & 23 ft of 12-in. Pipe Req'd.

+18.0 STR NO. 102
Exist. San. Manhole Adjust to Grade

+40.0 STR NO. 104
Inlet Type C-15 & 8 ft of 12-in. Pipe Req'd.

+40.0 STR NO. 105
Manhole Type C4 & 73 ft of 24-in. Pipe Req'd.

END CONSTRUCTION 0710808
STATION: 20+50.00 "PR-S-1-A"
N.: 123572.2179
E.: 639287.8798

PI Sta. 19+77.20 "PR-S-1-A"
PT Sta. 20+66.53 "PR-S-1-A"
POT Sta. 21+66.39 "PR-S-1-A"
PC Sta. 18+86.88 "PR-S-1-A"
MATCH LINE STA. 18+75 "PR-S-1-A"

Temp. R/W for Drive Const.
+65 LT. Cl. I Drive Req'd. W=14.5', L=19.0'
+71 RT. Cl. I Drive Req'd. W=24.0', L=23.0'
+14 RT. Mod. Cl. I Drive Req'd. W=21.0', L=23.0'

KLERNER LANE
N29°41'13"W
Line PR-S-1-A
Const. Limits 30' R/W
Const. Limits 35' R/W
App. ℄ & Exist R/W
Incidental Construction
Do Not Disturb
Ex. Bridge (Conc.)
N14°58'57"W
SLATE RUN
55' R/W
PT 55'
+50 (-) 55'
18 Tons Class 2 Riprap & 28 Sys. Geotextile Req'd.
Bld
+91.0 89.7
+60.6 67.8 1 Story Brick/Frame Residential
+25.2 60.8
Conc Block Wall
Stone
Conc Drive
Shrubs
Asphalt Drive
Fence
Gas
Storm
Sanitary
Fiber Optic
Overhead Utility
Underground Utility
FM San. 8" VCP
8" VCP
12" VCP
40' DRIVEWAY EASEMENT (VARIOUS DEEDS)
SANITARY SEWER EASEMENT DR 191 PG 155

+80.1, 38.5' 4" Pear
+07.9, 39.9' 30" Maple
+86.3,19.4' Inlet Beehive
+92.5, 24.0' Pwp.
+08.6 26.2' Lwn Sprkr V.
+00.2, 24.8' Water Meter
+35.3 18.9' Mailbox 3616
+36.2 18.1' Mailbox 3620
+38.1, 18.7' Mailbox 3620
+51.6, 23.1' Found Monument 5/8" Pin
+14.5, 15.9' Curb Inlet
+33.3, 30.4' Found Monument, 1 Iron Pipe
+33.4, 30.4' Found Monument, 1 Pk Nail
+37.0, 24.5' 1fp.
+37.3, 30.6' Guy Anchor
+92.8, 32.7' Pwp.
+93.2, 40.4' Guy Anchor
+93.9, 50.4' Guy Anchor
+17.8, 11.8' San. MH
+27.6, 23.1' Water Meter
+63.3, 27.6' Gas Valve
+67.7, 38.0' Guy Anchor
+68.1, 27.7' Tfp.
+68.4, 36.0' Guy Anchor

TEMPORARY EROSION CONTROL LEGEND
(IP) Temporary Inlet Protection
(SF) Temporary Silt Fence

FOR EROSION CONTROL ONLY

FOR LEGEND SEE SHEET NO. 2

ALL TOPO DESCRIBED FROM LINE "PR-S-1-A".
ALL R/W ON THIS SHEET DESCRIBED FROM LINE "PR-S-1-A" EXCEPT AS SHOWN.
LINE "PR-S-1-A" TO BE CONSTRUCTED.

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: MAB
CHECKED: MSM | CHECKED: AJS

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
STA. 18+75 TO END "PR-S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	85 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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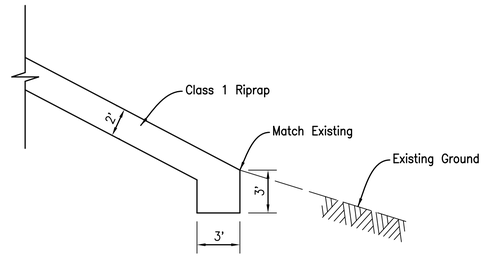
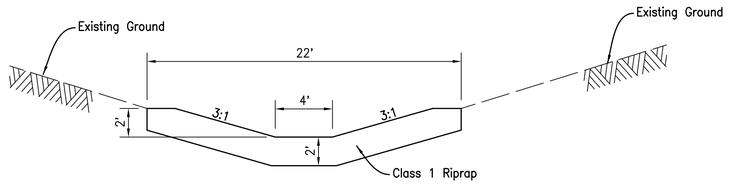
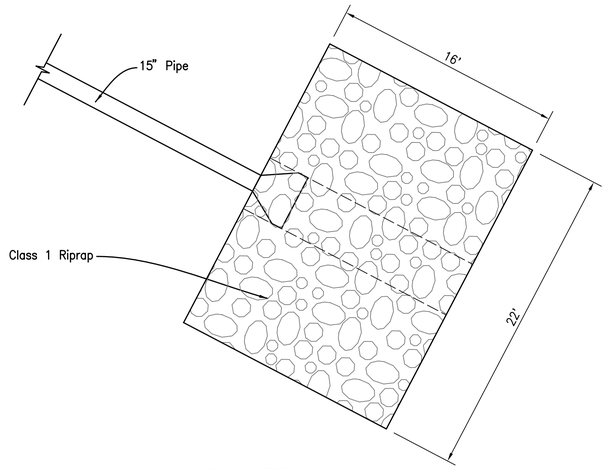


RIPRAP TOE DETAIL
NOT TO SCALE



CROSS SECTION
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

STR. No. 72

STA. 30+28.00 LINE "PR-A"

MONTE S. MILDENBERG
REGISTERED
No.
PE60880378
STATE OF
INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: AJS

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

HORIZONTAL SCALE	BRIDGE FILE
	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	86 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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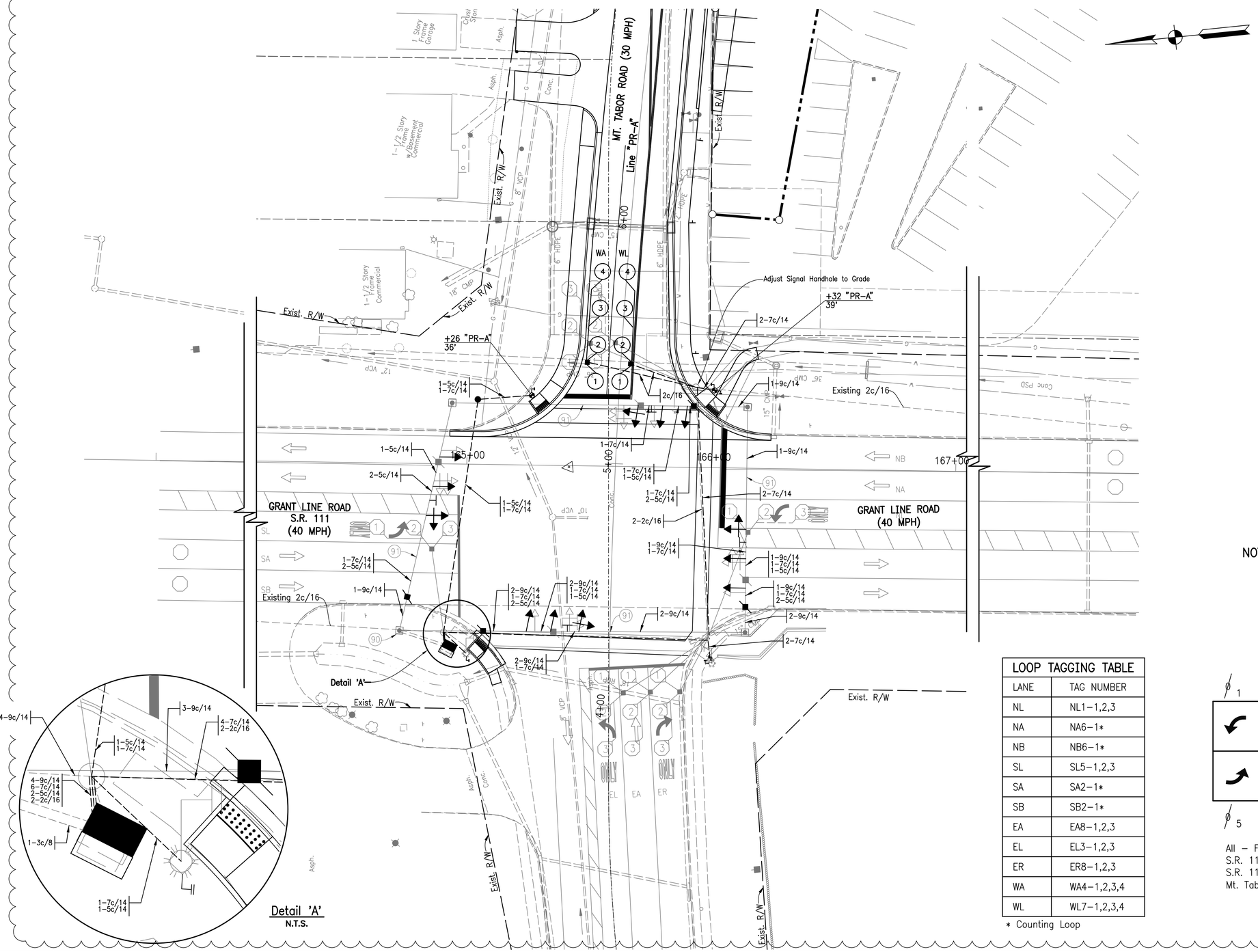
Signal Revised 1-22-2018



LEGEND

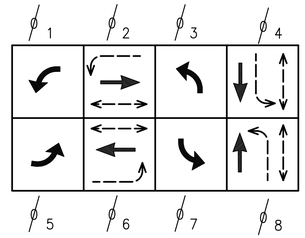
- Existing Conduit, Steel Galvanized, 2 in.
- Existing 8-Phase Fully Actuated Controller w/ TBC on "P-1" Foundation
- Existing Disconnect Hanger
- Exisitng Handhole, Signal
- Existing 2'-6" Octagonal Loop 4 Turn Series
- Existing Signal Detector Housing
- Exisitng Signal Service
- Existing Signal Strain Pole, Steel
- Existing Signal Pedestal
- Existing Span, Catenary and Tether
- Existing Traffic Signal Head, 1 Way, 3 Section, 12 in. Red, Amber, Green
- Existing Traffic Signal Head, 1 Way, 5 Section, 12 in. Red, Amber, Green, Amber Arrow, Green Arrow
- Existing Pedestrian Signal Head
- Loop Detector Delay Amplifier 2 Channel 6ft. Octgonal Loop 4 Turns in Series
- Handhole Signal Type 1
- Conduit, Steel, Galvanized, 2 in.
- Signal Pole, Pedestal, 12 Ft and Signal Pedestal Foundation, A
- Pedestrian Signal Head, Countdown, 18 in. and Pedestrian Push Button APS
- Traffic Signal Head, 4 Section, 12 In.
- Traffic Signal Head, 3 Section, 12 In.
- Controller and Cabinet P1 on Controller Cabinet Foundation, P1
- Disconnect Hanger

NOTE: FOR STRIPING, SEE PAVEMENT MARKING DETAILS
SEE CURB RAMP DETAILS
EXISTING STREET NAME SIGNS ARE TO REMAIN

LOOP TAGGING TABLE	
LANE	TAG NUMBER
NL	NL1-1,2,3
NA	NA6-1*
NB	NB6-1*
SL	SL5-1,2,3
SA	SA2-1*
SB	SB2-1*
EA	EA8-1,2,3
EL	EL3-1,2,3
ER	ER8-1,2,3
WA	WA4-1,2,3,4
WL	WL7-1,2,3,4

* Counting Loop

Phase Diagram



Protected Phase
Permissive Phase
Pedestrian Phase

All - Flash Red
S.R. 111 is Preferential Road
S.R. 111 Flashes Red
Mt. Tabor Rd. Flashes Red

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S. Mildenberg 10/30/2017
DESIGN ENGINEER DATE

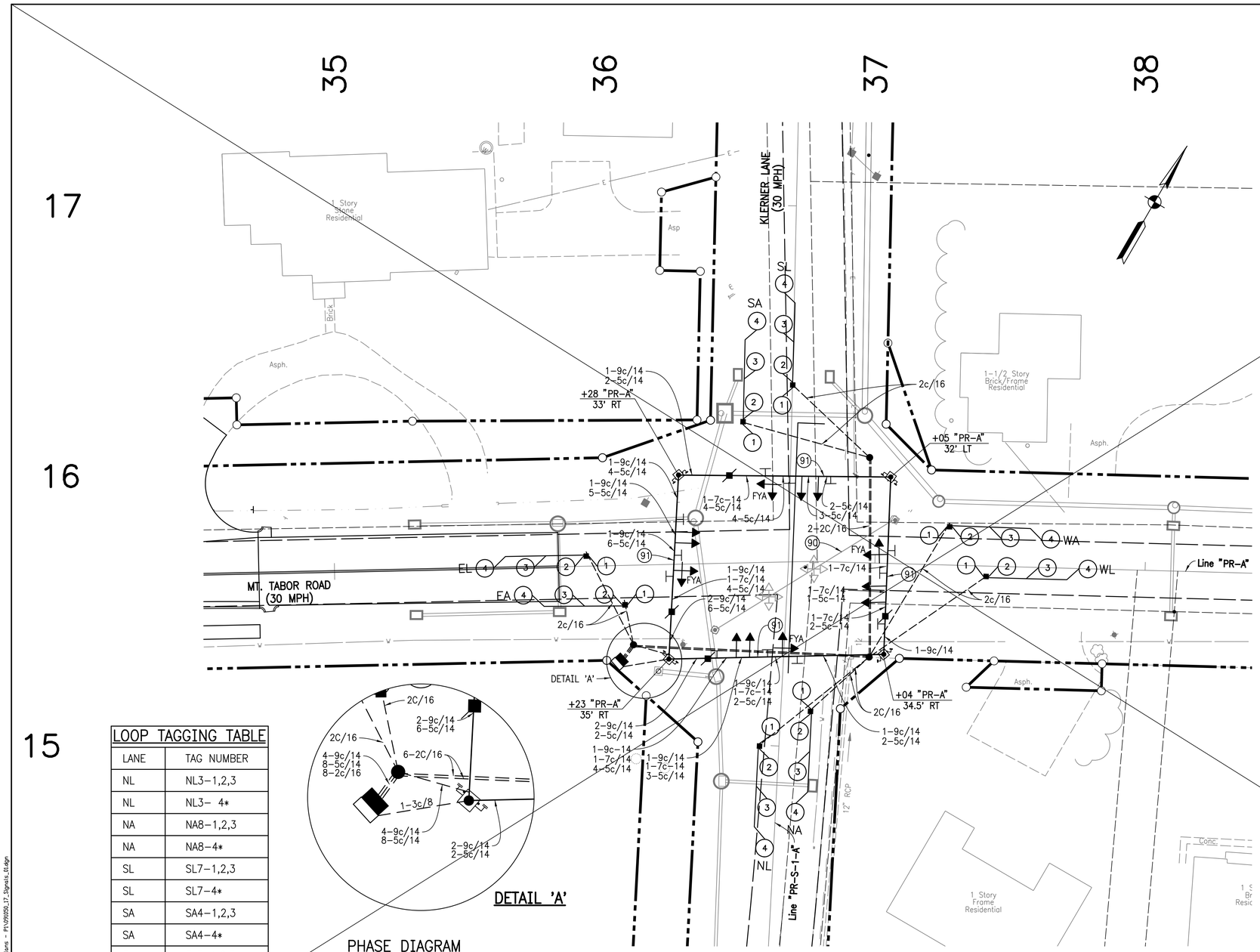
DESIGNED: AMP DRAWN: JJP
CHECKED: MSM CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL PLAN
MT. TABOR AND GRANT LINE ROAD

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	87 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

Sheet Not Used 1-22-2018



LEGEND: Existing Equipment

- Existing Signal Strain Pole, Steel (Remove)
- Existing Span, Catenary and Tether (Remove)
- Existing Traffic Signal Head, 1 Way, 1 Section, 12 in. Red (Remove)

LEGEND: Proposed Equipment

- Loop Detector Delay Amplifier, 2 Channel 6 ft. Octagonal Loop, 4 Turns in Series
- Conduit, Steel, Galvanized, 2 in.
- Handhole Signal Type 1
- Pedestrian Signal Head, Countdown, 18 in. and Pedestrian Push Button
- Signal Strain Pole Steel 30 Ft and Signal Pole Foundation, 36 in. X 144 in. With Pedestrian Push Button Assembly, APS with R10-3c Signs
- Traffic Signal Head, 3 Section, 12 in.
- Controller and Cabinet P1 on Controller Cabinet Foundation, P1
- Span, Catenary, and Tether
- Disconnect Hanger
- Sign, Sheet

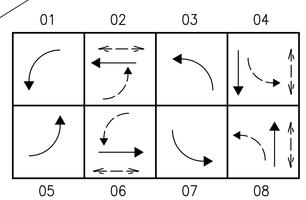
NOTE: STRIPING FOR INFORMATION ONLY.
SEE PAVEMENT MARKING DETAILS.
SEE PAVEMENT MARKING DETAILS FOR ADDITIONAL SIGNING.

LOOP TAGGING TABLE

LANE	TAG NUMBER
NL	NL3-1,2,3
NL	NL3- 4*
NA	NA8-1,2,3
NA	NA8-4*
SL	SL7-1,2,3
SL	SL7-4*
SA	SA4-1,2,3
SA	SA4-4*
EL	EL5-1,2,3
EL	EL5-4*
EA	EA2-1,2,3
EA	EA2-4*
WL	WL1-1,2,3
WL	WL1-4*
WA	WA6-1,2,3
WA	WA6-4*

* CountLoop

PHASE DIAGRAM



All - Red Flash

- Protected Phase
- Permissive Phase
- Pedestrian Phase

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S. Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: MSM DRAWN: JJP
CHECKED: AJS CHECKED: MSM

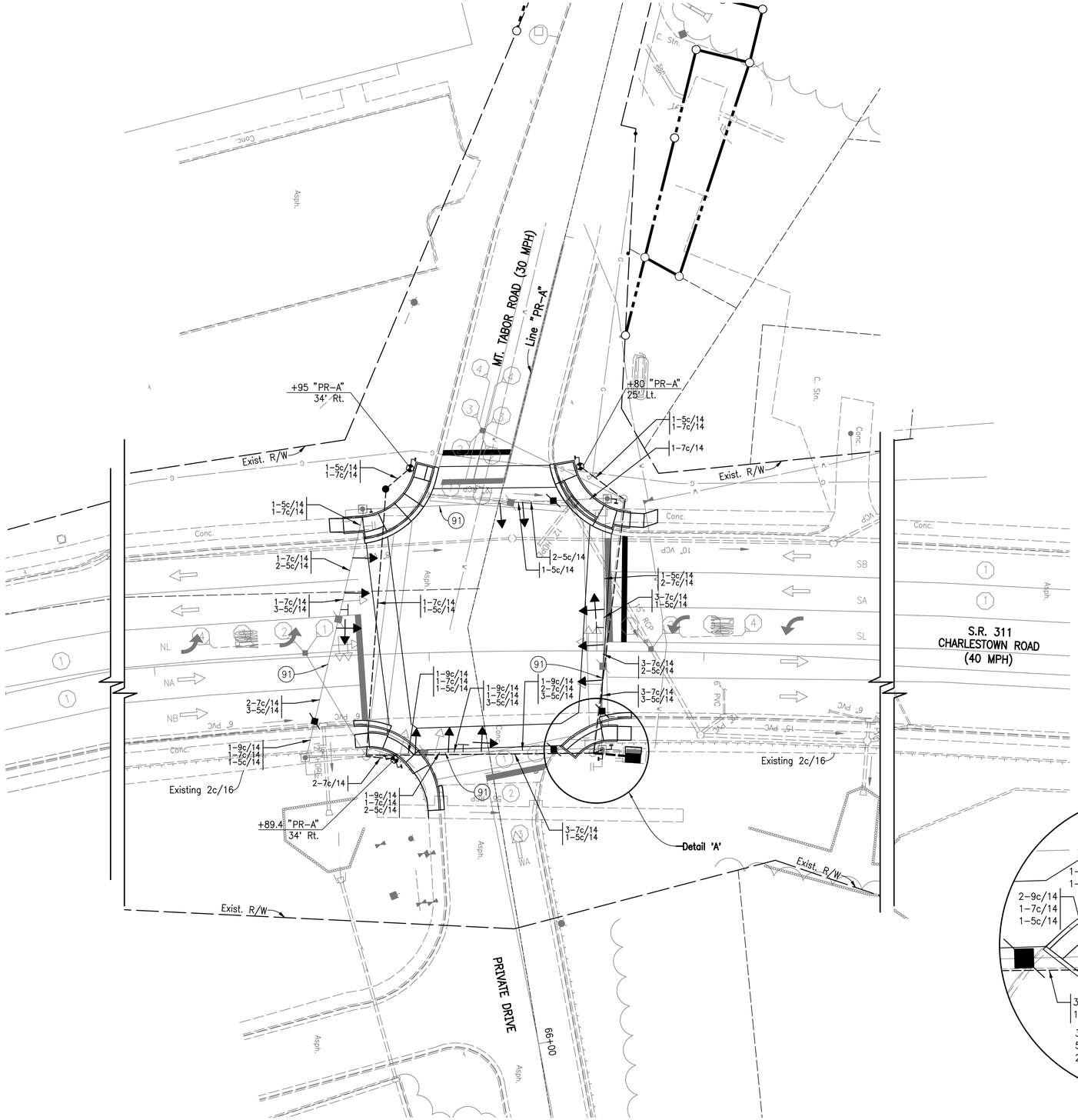
INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL PLAN
MT. TABOR AND KLERNER LANE

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	88 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

jpatel 1 1/30/2018 1 2:58:19 PM I P:\091050_Mt_Tabor\09 Road - Indiana\04 Design Files\DGN\Plans - P1\091050_17_Signals_01.dgn

Signal sheet Added 1-22-2018



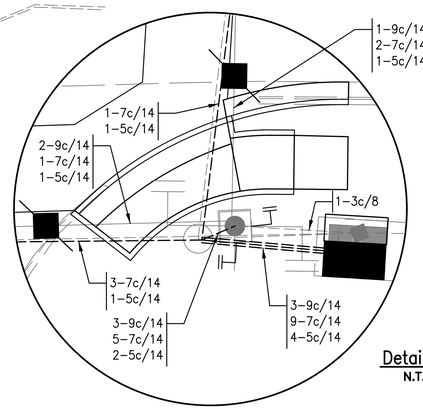
LOOP TAGGING TABLE	
LANE	TAG NUMBER
NL	NL5-1,2,3
NL	NL5-4*
NA	NA2-1*
NB	NB2-1*
WA	WA8-1,2,3,4
SL	SL1-1,2,3
SL	SL1-4*
SA	SA6-1
SB	SB6-1*
EL	EL7-1,2,3
EL	EL7-4
EA	EA4-1,2,3
EA	EA4-4

* Counting Loop

LEGEND

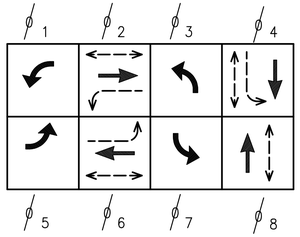
- Existing Conduit, Steel Galvanized, 2 in.
- Existing 8-Phase Fully Actuated Controller w/ TBC on "P-1" Foundation
- Existing Disconnect Hanger
- Exisitng Handhole, Signal
- Existing 2'-6" Octagonal Loop 4 Turn Series
- Existing Signal Detector Housing
- Exisitng Signal Service
- Existing Signal Strain Pole, Steel
- Existing Signal Pedestal
- Existing Span, Catenary and Tether
- Existing Traffic Signal Head, 1 Way, 3 Section, 12 in. Red, Amber, Green
- Existing Traffic Signal Head, 1 Way, 5 Section, 12 in. Red, Amber, Green, Amber Arrow, Green Arrow
- Existing Pedestrian Signal Head
- Loop Detector Delay Amplifier, 2 Channel 6ft. Octgonal Loop, 4 Turns in Series
- Handhole Signal Type 1
- Conduit, Steel, Galvanized, 2 in.
- Signal Pole, Pedestal, 12 Ft and Signal Pedestal Foundation, A
- Pedestrian Signal Head, Countdown, 18 in. and Pedestrian Push Button APS
- Traffic Signal Head, 4 Section, 12 In.
- Traffic Signal Head, 3 Section, 12 In.
- Controller and Cabinet P1 ON Controller Cabinet Foundation, P1
- Disconnect Hanger

NOTE: STRIPING FOR INFORMATION ONLY.
SEE PAVEMENT MARKING DETAILS.
SEE CURB RAMP DETAILS.
EXISITNG STREET NAME SIGNS ARE TO REMAIN.



Detail 'A'
N.T.S.

Phase Diagram



All - Flash Red
S.R. 311 is Preferential Road
S.R. 311 Flashes Red
Mt. Tabor Rd. Flashes Red

- Protected Phase
- Permissive Phase
- Pedestrian Phase

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 1/22/2018
DESIGN ENGINEER DATE

DESIGNED: AMP DRAWN: JJP
CHECKED: MSM CHECKED: MSM

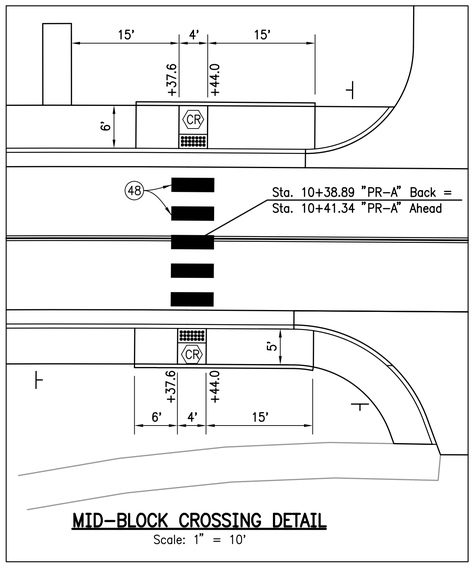
INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL PLAN
MT. TABOR AND CHARLESTOWN ROAD

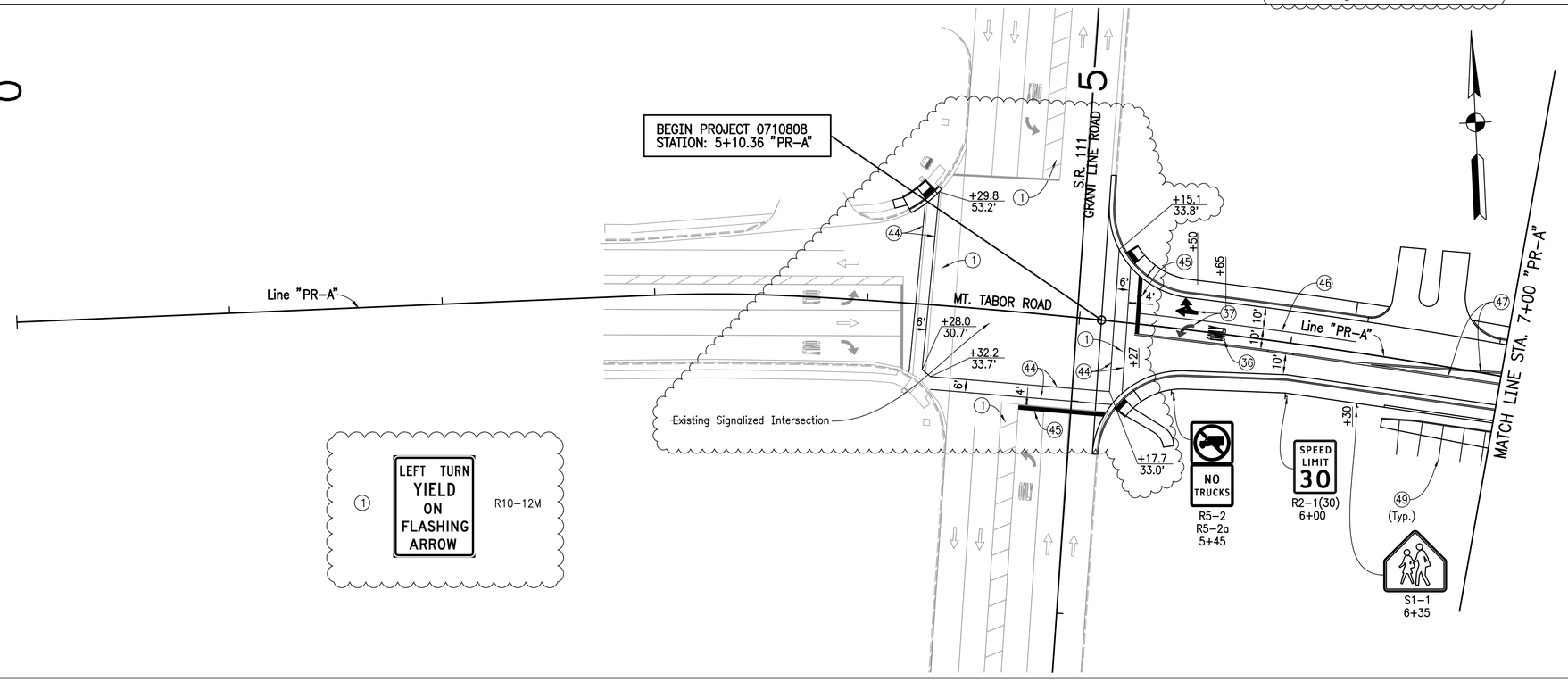
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	88-1 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

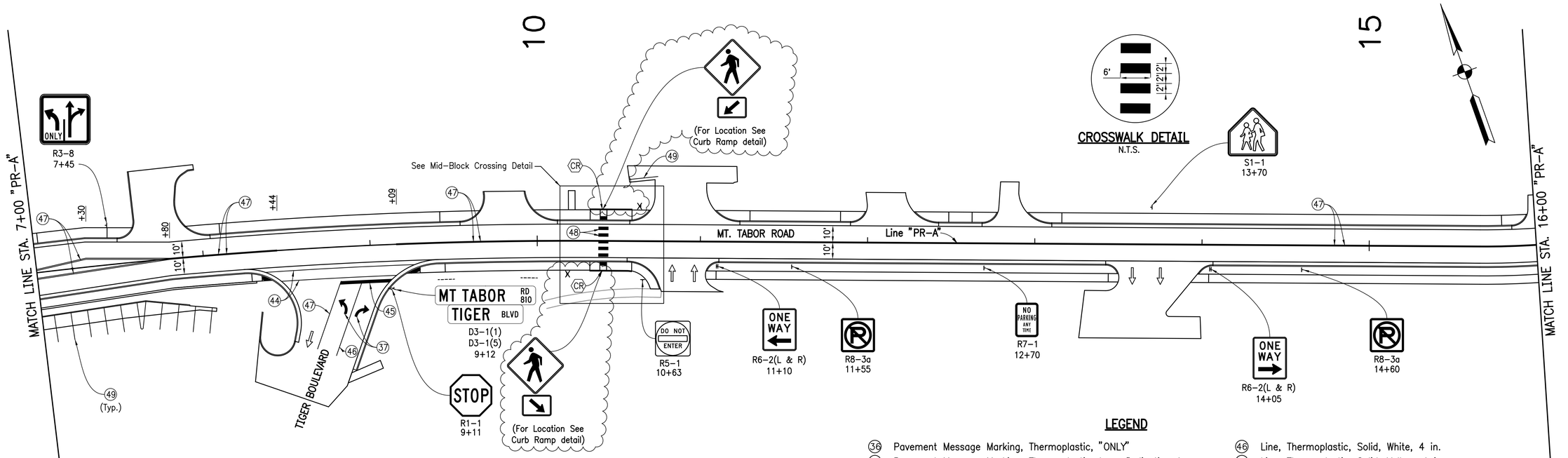
jpotel | 1/22/2018 | 3:03:37 PM | P:\V91050_MT_Tabor\09 Road - Indiana\04 Design Files\3D\N\Plans - P1\V91050_17_Signals_02.dgn

Add Signs 1-22-2018



MID-BLOCK CROSSING DETAIL
Scale: 1" = 10'





CROSSWALK DETAIL
N.T.S.

S1-1
13+70

LEGEND

- 36 Pavement Message Marking, Thermoplastic, "ONLY"
- 37 Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- 44 Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
- 45 Transverse Markings, Thermoplastic, Stop Line, White, 24 in.
- 46 Line, Thermoplastic, Solid, White, 4 in.
- 47 Line, Thermoplastic, Solid, Yellow, 4 in.
- 48 Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
- 49 Transverse Marking, Thermoplastic, Parking Line, White, 4 in.

MONTE S. MILDENBERG
REGISTERED
No.
PE60880378
STATE OF
INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: MSM

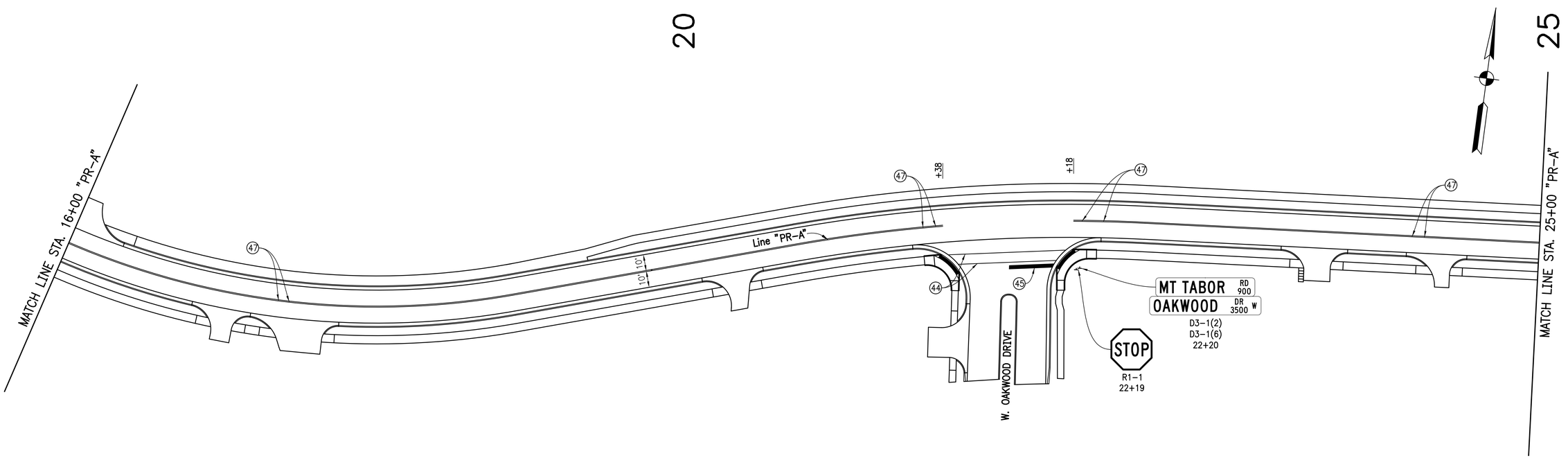
INDIANA DEPARTMENT OF TRANSPORTATION

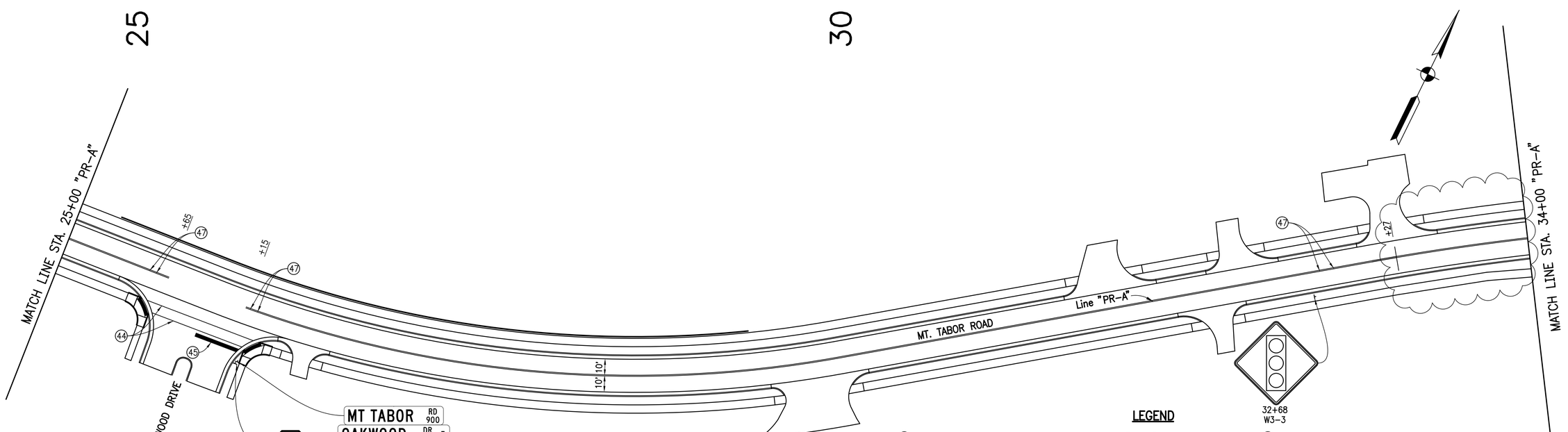
PAVEMENT MARKING & SIGNING
BEGIN TO STA. 16+00 "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	89 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/30/2018 | 2:58:21 PM | P:\091050_Mt_Tabor\09 Road - Indiana\04 Design Files\DGN\Plans - P1\091050_19_Pvmt_Marking_01.dgn

Revised Pavement Marking 1-22-2018





LEGEND

- 36 Pavement Message Marking, Thermoplastic, "ONLY"
- 37 Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- 44 Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
- 45 Transverse Markings, Thermoplastic, Stop Line, White, 24 in.
- 46 Line, Thermoplastic, Solid, White, 4 in.
- 47 Line, Thermoplastic, Solid, Yellow, 4 in.
- 48 Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
- 49 Transverse Marking, Thermoplastic, Parking Line, White, 4 in.

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING
STA. 16+00 TO STA. 34+00 "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	90 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/30/2018 | 2:58:22 PM | P:\091050_Mt_Tabor\09 Road - Indiana\04 Design Files\DGN\Plans - P1\091050_19_Pvmt_Marking_01.dgn

Revised Project Limits and Pavement Marking 1-22-2018

35

40

LEGEND

36 Pavement Message Marking, Thermoplastic, "ONLY"
37 Pavement Message Marking, Thermoplastic, Lane Indication Arrow
44 Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
45 Transverse Markings, Thermoplastic, Stop Line, White, 24 in.
46 Line, Thermoplastic, Solid, White, 4 in.
47 Line, Thermoplastic, Solid, Yellow, 4 in.
48 Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
49 Transverse Marking, Thermoplastic, Parking Line, White, 4 in.

MONTE S. MILDENBERG
REGISTERED
No. PE60880378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP
CHECKED: MSM | CHECKED: MSM

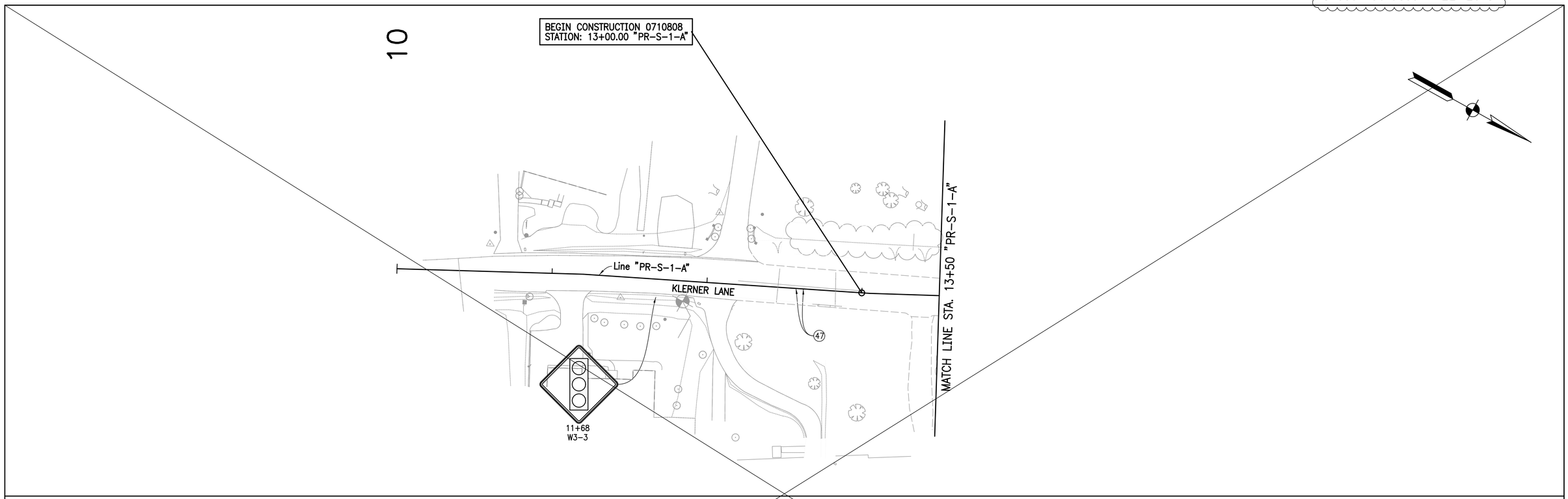
INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING
STA. 34+00 TO STA. 40+00 "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	91 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/30/2018 I 2:58:22 PM I P:\091850_Mt_Tabor\09 Road - Indiana\04 Design Files\3D\N\Plans - P1\091850_19_Pvmt_Marking_01.dgn

Sheet Not Used 1-22-2018



LEGEND

- 36 Pavement Message Marking, Thermoplastic, "ONLY"
- 37 Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- 44 Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
- 45 Transverse Markings, Thermoplastic, Stop Line, White, 24 in.
- 46 Line, Thermoplastic, Solid, White, 4 in.
- 47 Line, Thermoplastic, Solid, Yellow, 4 in.
- 48 Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
- 49 Transverse Marking, Thermoplastic, Parking Line, White, 4 in.

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING
LINE "PR-S-1-A"

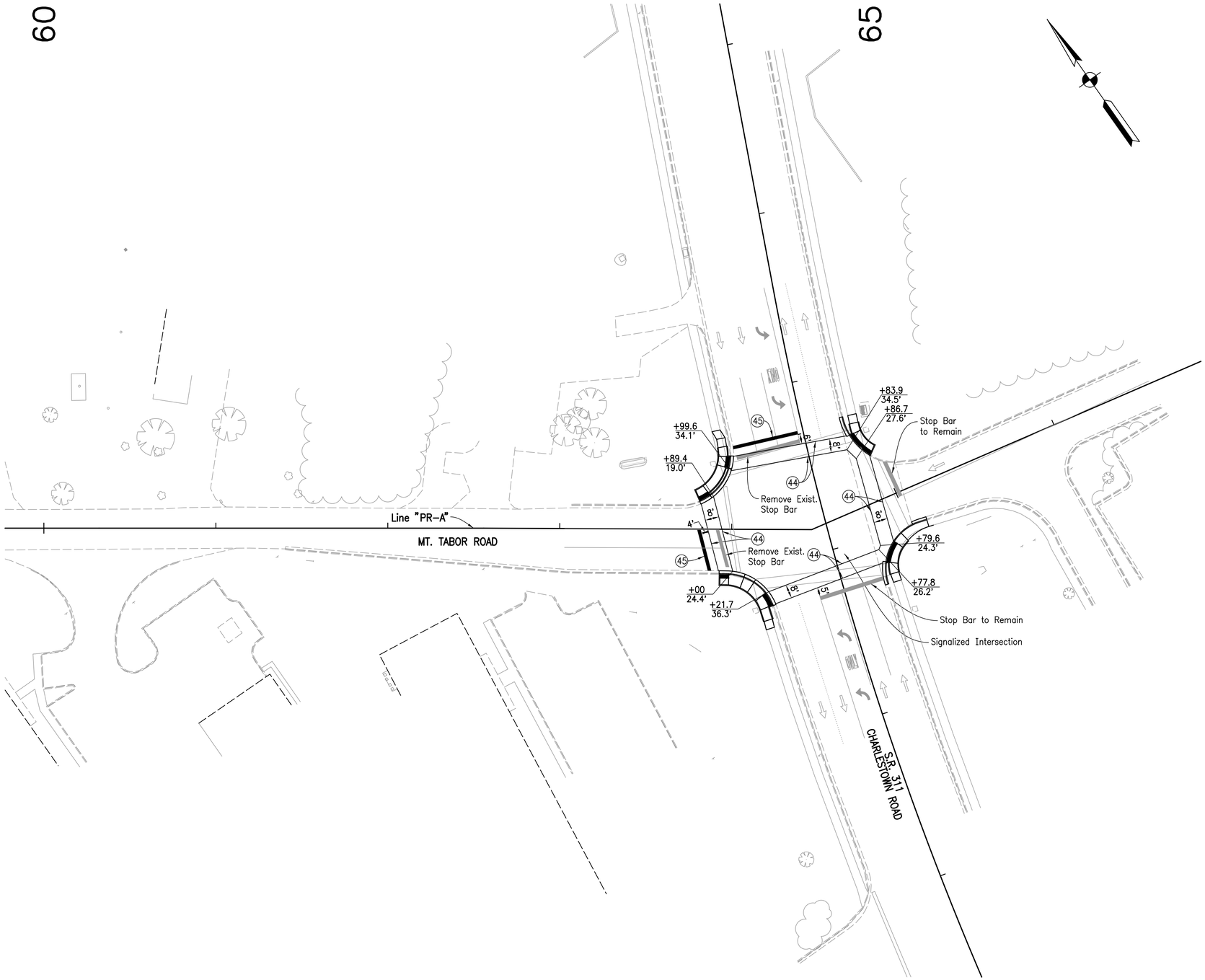
HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	92 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/30/2018 | 2:58:22 PM | P:\091050_Mt_Tabor\09 Road - Indiana\04 Design Files\DGN\Plans - P\091050_19_Pvmt_Marking_01.dgn

Added Pavement Marking Sheet 1-22-2018

60

65



LEGEND

(36) Pavement Message Marking, Thermoplastic, Word, "ONLY"
(37) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
(44) Transverse Markings, Thermoplastic, Crosswalk Line, 6 in.
(45) Transverse Markings, Thermoplastic, Stop Line, 24 in.
(46) Line, Thermoplastic, Solid, White, 4 in.
(47) Line, Thermoplastic, Solid, Yellow, 4 in.

MONTE S. MILDENBERG
REGISTERED
No. PE60880378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 1/22/2018
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP
CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING
Mt. Tabor & SR 311

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808

SURVEY BOOK	SHEETS
ELECTRONIC	92-1 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

1/22/2018 | 3:03:39 PM | P:\091052_Mt_Tabor\09 Road - Indiana\04 Design Files\10GN Plans - P1\091052_19_Pvmt_Marking_02.dgn

SIGN DETAIL

1:15

Panel Style: Street Name 6-3in no border.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: Street Name 6-3in no border.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

SIGN NUMBER	D3-1 (1)
WIDTH x HGHT.	4'-0" x 0'-9"
BORDER WIDTH	0"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/Green

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

R	D																							LENGTH	SERIES/SIZE
41	43.2																							3.9	C 2000 3
M	T		T	A	B	O	R																		
2	6.8	9.9	12.9	16.3	21	25.2	30																	31.3	C 2000 6
8	1	0																							
40.9	43	44.2																						5.1	C 2000 3

SIGN DETAIL

1:15

Panel Style: Street Name 6-3in no border.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: Street Name 6-3in no border.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

SIGN NUMBER	D3-1 (2)
WIDTH x HGHT.	4'-0" x 0'-9"
BORDER WIDTH	0"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

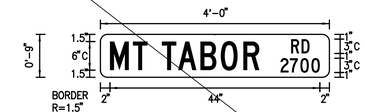
SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

R	D																							LENGTH	SERIES/SIZE
41	43.2																							3.9	C 2000 3
M	T		T	A	B	O	R																		
2	6.8	9.9	12.9	16.3	21	25.2	30																	31.3	C 2000 6
9	0	0																							
39.8	41.9	44.2																						6.2	C 2000 3

SIGN DETAIL

1:15



Panel Style: Street Name 6-3in no border.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: Street Name 6-3in no border.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

SIGN NUMBER	D3-1 (3)
WIDTH x HGHT.	4'-0" x 0'-9"
BORDER WIDTH	0"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

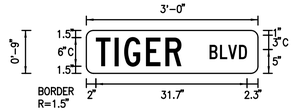
SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

R	D																							LENGTH	SERIES/SIZE
41	43.2																							3.9	C 2000 3
M	T		T	A	B	O	R																		
2	6.8	9.9	12.9	16.3	21	25.2	30																	31.3	C 2000 6
2	7	0	0																						
37.8	39.7	41.9	44.2																					8.3	C 2000 3

SIGN DETAIL

1:15



Panel Style: Street Name 6-3in no border.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: Street Name 6-3in no border.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

SIGN NUMBER	D3-1 (5)
WIDTH x HGHT.	3'-0" x 0'-9"
BORDER WIDTH	0"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

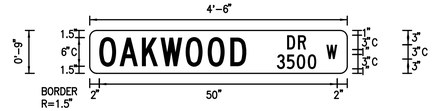
SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

B	L	V	D																					LENGTH	SERIES/SIZE
25.8	28	29.7	32																					7.9	C 2000 3
T	I	G	E	R																					
2	5.9	7.9	12.5	16.6																				17.9	C 2000 6

SIGN DETAIL

1:15



Panel Style: Street Name 6-3in no border.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: Street Name 6-3in no border.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

SIGN NUMBER	D3-1 (6)
WIDTH x HGHT.	4'-6" x 0'-9"
BORDER WIDTH	0"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

D	R																							LENGTH	SERIES/SIZE
41.4	43.7																							4	C 2000 3
W																									
49.6																								2.3	C 2000 3
O	A	K	W	O	O	D																			
2	6.3	10.9	14.8	20.1	24.7	29.5																		30.8	C 2000 6
3	5	0	0																						
39.3	41.3	43.4	45.7																					8.3	C 2000 3

1/30/2018 | 2:58:23 PM | P:\091059_M1_Tabor\09 Road - Indiana\04 Design Files\3D\Plans - P1\091059_13_Pvmt_Marking_01.dgn

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP
CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING SIGN DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	93 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

SIGN DETAIL
1:15

Panel Style: Street Name 6-3in no border.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: Street Name 6-3in no border.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

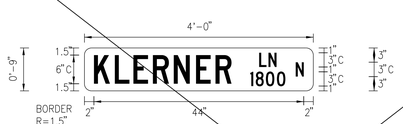
SIGN NUMBER	D3-1 (7)
WIDTH x HGHT.	4'-6" x 0'-9"
BORDER WIDTH	0"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

D	R																			LENGTH	SERIES/SIZE
41.4	43.7																			4	C 2000 3
E																					C 2000
50																				1.5	3
O	A	K	W	O	O	D															C 2000
2	6.3	10.9	14.8	20.1	24.7	29.5														30.8	6
3	5	0	0																		C 2000
39.3	41.3	43.4	45.7																	8.3	C 2000 3

SIGN DETAIL
1:15



Panel Style: Street Name 6-3in no border.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: Street Name 6-3in no border.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	D3-1 (8)
WIDTH x HGHT.	4'-0" x 0'-9"
BORDER WIDTH	0"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

L	N																			LENGTH	SERIES/SIZE
36.7	38.6																			3.6	C 2000 3
N																					C 2000
44.3																				1.7	3
K	L	E	R	N	E	R															C 2000
2	6.4	10.3	14.4	18.7	23.4	27.5														28.9	6
1	8	0	0																		C 2000
34.8	35.9	38.1	40.4																	7.4	C 2000 3

MONTE S. MILDENBERG
REGISTERED
No. PE60880378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S. Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP
CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING
SIGN DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	94 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

11/30/2018 | 2:58:23 PM | P:\091650_Mt_Tabor\09 Road - Indiana\04 Design Files\3D\Plans - P:\091650_19_Pvmt_Marking_01.dgn

TEMPORARY EROSION CONTROL TABLE

STATION	STATION	LOCATION			TEMPORARY SILT FENCE	TEMPORARY CHECK DAM, REVETMENT RIPRAP	TEMPORARY INLET PROTECTION	TEMPORARY FILTER BERM	SLOPE DRAIN	SPLASHPAD	SEDIMENT TRAP	TEMPORARY SEDIMENT BASIN	TEMPORARY CHECK DAM, TRAVERSABLE	REMARKS
		LEFT	MEDIAN	RIGHT	LFT	CYS	EACH	LFT	LFT	TON	EACH	EACH	LFT	
Line "PR-A"														
5+29	5+96			X	90									
5+50	6+42	X			95									
5+97		X					1							
5+98				X			1							
6+80	7+57	X			84									
7+30		X					1							
7+30				X			1							
7+30				X			1							
7+90	8+00	X			10									
8+13		X					1							
8+13				X			1							
8+25				X			1							
8+40		X					1							
8+53				X			1							
9+01				X			1							
9+40		X					1							
9+40				X			1							
9+40				X			1							
10+00	10+67	X			71									
10+54				X			1							
11+09	11+50	X			44									
11+28		X					1							
12+50	13+26			X	79									
13+00		X					1							
13+95	17+32			X	355									
14+25		X					1							
14+25				X			1							
16+35		X					1							
17+63	18+00			X	41									
18+50		X					1							
18+50				X			1							
19+50	20+00			X	52									
20+19	21+19			X	102									
20+50	31+25	X			426									
20+52		X					1							
20+52				X			1							
21+17		X					1							
21+18				X			1							
23+50	29+84	X						634						
23+53				X			1							
24+00				X			1							
25+35		X					1							
25+35				X			1							
26+75				X			1							
29+00		X					1							
29+00				X			1							
SUBTOTAL "A"					**1,449**		**33**	**634**						

TEMPORARY EROSION CONTROL TABLE

STATION	STATION	LOCATION			TEMPORARY SILT FENCE	TEMPORARY CHECK DAM, REVETMENT RIPRAP	TEMPORARY INLET PROTECTION	TEMPORARY FILTER BERM	SLOPE DRAIN	SPLASHPAD	SEDIMENT TRAP	TEMPORARY SEDIMENT BASIN	TEMPORARY CHECK DAM, TRAVERSABLE	REMARKS
		LEFT	MEDIAN	RIGHT	LFT	CYS	EACH	LFT	LFT	TON	EACH	EACH	LFT	
Line "PR-A" (Cont.)														
29+33				X			1							
30+34		X					1							
30+34				X			1							
30+60				X			1							
30+65		X					1							
31+60	32+13	X			60									
31+80				X			1							
32+32	33+05	X			75									
33+33	34+18	X			93									
Line "PR-S-1-A"														
Line "S-2-A"														
1+38	1+91	X			64									
1+85	1+97			X	18									
1+93	1+95			X	4									
1+96	1+96			X	4									
SUBTOTAL "B"					**318**		**6**							
PROJECT TOTAL					**1767**		**39**	**634**						

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MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: MAB
CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	95 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

Revised Quantity 1-22-2018

SODDING SUMMARY TABLE

LOCATION FROM STATION	LOCATION TO STATION	LEFT	MEDIAN	RIGHT	NURSERY SODDING FOR LAWNS SYS
Line "PR-A"					
5+10	6+44	X			198.5
5+15	5+46			X	41.7
5+30	8+53			X	329.5
6+56	6+64	X			24.5
6+77	7+60	X			318.5
7+86	9+68	X			241.9
8+70	9+04			X	20.1
9+04	10+70			X	364.7
9+93	10+19	X			30.3
10+23	10+73	X			72.0
11+04	12+00	X			152.9
11+03	13+49			X	134.2
11+03	13+49			X	128.6
12+23	12+79	X			52.4
12+92	15+96	X			298.9
13+79	16+95			X	347.4
13+98	16+95			X	162.2
16+11	22+31	X			620.4
30+62	31+37	X			80.6
17+07	17+29			X	8.1
17+07	17+36			X	16.3
17+60	20+00			X	131.4
17+60	20+04			X	127.9
19+23	31+27	X			659.8
20+15	21+37			X	139.6
20+18	21+35			X	59.6
22+16	23+56			X	70.2
22+18	23+55			X	102.6
23+74	24+32			X	27.7
Subtotal "A"					**4963**

LOCATION FROM STATION	LOCATION TO STATION	LEFT	MEDIAN	RIGHT	NURSERY SODDING FOR LAWNS SYS
Line "PR-A"					
23+74	24+37			X	46.6
24+47	25+58			X	62.9
24+47	25+52			X	53.7
26+17	26+22			X	12.7
26+26	26+51			X	26.7
26+30	26+49			X	6.3
26+61	29+43			X	187.6
26+63	29+42			X	156.4
29+80	32+04			X	112.9
29+83	31+97			X	114.5
31+55	32+15	X			86.3
31+62	32+13	X			25.2
32+16	36+27			X	155.0
32+18	34+72			X	167.1
32+30	33+09	X			142.7
32+36	33+06	X			35.0
33+27	34+29	X			190.1
33+34	34+28	X			48.8
34+19	34+50	X			45.6
Subtotal "B"					**1676**

LOCATION FROM STATION	LOCATION TO STATION	LEFT	MEDIAN	RIGHT	NURSERY SODDING FOR LAWNS SYS
Line "PR-A"					
Line "PR-S-1-A"					
Line "S-2-A"					
1+31	1+64			X	43.8
1+31	1+62			X	10.5
1+83	1+98			X	13.1
1+85	1+98			X	5.9
1+28	1+97	X			28.1
1+25	1+94	X			82.0
Subtotal "C"					**183**
Project Total					**6822**

R/W MARKERS

LINE	STATION	OFFSET	Lt.	Rt.
PR-A	6+90	24.77 (PL)		X
PR-A	7+60	20.96 (PL)		X
PR-A	8+01.16 (PL)	25.00		X
PR-A	9+90	25.00		X
PR-A	9+90	30.00		X
PR-A	10+10	30.00		X
PR-A	10+10	25.00		X
PR-A	10+41.34 (PT)	25.00		X
PR-A	15+50	25.00		X
PR-A	16+25	30.00		X
PR-A	18+74.03 (PT)	30.00		X
PR-A	20+48.99 (PC)	30.00		X
PR-A	21+10	30.00		X
S-2-A	1+60	40.00		X
S-2-A	1+75	40.00		X
S-2-A	1+75	35.16 (PL)		X
S-2-A	1+65	34.86 (PL)	X	
S-2-A	1+65	40	X	
S-2-A	1+40	40	X	
PR-A	22+30	30		X
PR-A	25+54.45 (PL)	30		X
PR-A	26+28.49 (PL)	30		X
PR-A	29+77.79 (PT)	30		X
PR-A	33+05.08 (PC)	30		X
PR-A	33+61	30		X
PR-A	34+30.69 (PT)	35		X
PR-A	36+00	35		X
PR-A	37+10	35		X
PR-A	42+10.17 (PC)	35		X
PR-A	8+66.03 (PL)	30	X	
PR-A	10+41.34 (PT)	30	X	
PR-A	15+66.40 (PC)	30	X	
PR-A	18+74.03 (PT)	30	X	
PR-A	19+00	30	X	
PR-A	20+00	40	X	
PR-A	20+48.99 (PC)	40	X	
PR-A	21+05	40	X	
PR-A	21+05	55	X	
PR-A	21+25	55	X	
PR-A	21+25	40	X	
PR-A	22+60.85 (PT)	40	X	
PR-A	23+70	45	X	
PR-A	25+96.82 (PC)	45	X	
PR-A	26+80	45	X	
PR-A	27+80	40	X	
PR-A	29+7.79 (PT)	40	X	
PR-A	30+05	40	X	
PR-A	30+05	70	X	
PR-A	30+35	70	X	
PR-A	30+35	40	X	
PR-A	33+05.08 (PC)	40	X	
PR-A	34+30.69 (PT)	40	X	
PR-A	36+00	40	X	
PR-A	37+20	35	X	
PR-A	42+10.17 (PC)	35	X	
Subtotal "A"			55	

LINE	STATION	OFFSET	Lt.	Rt.
S-1-A	11+95.61 (PL)	30		X
S-1-A	13+05.77 (PI)	30		X
S-1-A	13+65	32		X
S-1-A	13+75 (PI)	22		X
S-1-A	15+15	22		X
S-1-A	16+20	35		X
S-1-A	18+87.14 (PC)	35		X
S-1-A	20+34.76 (PL)	35		X
S-1-A	20+36.36 (PL)	55		X
S-1-A	20+66.53 (PT)	55		X
S-1-A	21+50	55		X
S-1-A	21+50	37.89 (PL)		X
S-1-A	11+57.53 (PL)	30	X	
S-1-A	13+05.77 (PI)	30	X	
S-1-A	13+75 (PI)	30	X	
S-1-A	15+00	30	X	
S-1-A	16+20	30	X	
S-1-A	18+87.09 (PC)	30	X	
S-1-A	19+33.5 (PL)	30	X	
PR-A	22+60.85 (PT)	30		X
Subtotal "B"				20
Subtotal "A"				55
Subtotal "B"				20
Project Total				75

MONUMENT AND SECTION CORNER

LINE	POINT TYPE	STATION	MONUMENT TYPE A	B	C	D	* SECTION CORNER
PR-A	PC	2+98.15		1			
PR-A	PI	3+33.15		1			
PR-A	PT	3+68.09		1			
PR-A	PC	3+76.81		1			
PR-A	POB	5+10.36		1			
PR-A	PI	7+09.52				1	
PR-A	PT	10+38.89		1			
PR-A	PC	15+66.40		1			
PR-A	PI	17+25.96			1		
PR-A	PT	18+74.03		1			
PR-A	PC	20+48.99		1			
PR-A	PI	21+55.37		1			
PR-S-2-A	POT	1+00.00		1			
PR-S-2-A	POT	2+50.00		1			
PR-A	PT	22+60.85		1			
PR-A	PC	25+96.82		1			
PR-A	PI	27+92.30			1		
PR-A	PT	29+77.79		1			
PR-A	PC	33+05.08		1			
PR-A	PI	33+70.56		1			
PR-A	PT	34+35.96		1			
PR-A	POT	36+68.00		1			
PR-A	PI	36+77.07		1			
PR-S-1-A	POT	10+00.00		1			
PR-S-1-A	PI	11+20.17		1			
PR-S-1-A	POB	13+00.00		1			
PR-S-1-A	PI	13+05.25		1			
PR-S-1-A	PI	13+75.04		1			
PR-S-1-A	PC	18+86.88		1			
PR-S-1-A	PI	19+77.20		1			
PR-S-1-A	POE	20+50.00		1			
PR-S-1-A	PT	20+66.53		1			
PR-S-1-A	POT	21+66.39		1			
PROJECT TOTALS			**0**	**30**	**2**	**1**	**0**

MAILBOX ASSEMBLIES

LOCATION	Lt.	Rt.	SINGLE	DOUBLE
Line "PR-S"				
6+60	X			1
23+83		X	1	
24+55		X	1	
29+92		X	1	
31+86		X	1	
32+46	X		1	
33+44	X		1	
Line "PR-S-1-A"				
Line "S-2-A"				
1+86	X		1	
1+89		X	1	
TOTAL			**8**	**1**

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MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: MAB
CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS TABLES

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	96 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

Revised Quantity 1-22-2018

SHEET SIGN & POST SUMMARY

SIGN								POST								
PLAN SHEET NO. / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN x IN)	GROUND - MOUNTED SIGN AREA (ft^2)			MOUNTED ON PANEL SIGN, AREA (ft^2)	U CHANNEL				SQUARE				
												2" X 2" - 12 GA. (TYPE 2)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1)	
								POST LENGTH		POST LENGTH		REINFORCED ANCHOR			REINFORCED ANCHOR	
				0.080"	0.100"	0.125"	0.080"	1	2	TYPE "A"	TYPE "B"	POST LENGTH (FT.)			POST LENGTH (FT.)	
								FT.		FT.	FT.	1	2	TOTAL	1	TOTAL
"PR-A"	4+31	R10-12M	30 x 36		7.50										-	
"PR-A"	4+70	R10-12M	30 x 36		7.50										-	
"PR-A"	4+82	R10-12M	30 x 36		7.50										-	
"PR-A"	5+24	R10-12M	30 x 36		7.50										-	
"PR-A"	5+45	R5-2	24 x 24	4.00											10	
"PR-A"	5+45	R5-2a	24 x 24	4.00											-	
"PR-A"	6+00	R2-1 (30)	24 x 30	5.00											10	
"PR-A"	6+35	S1-1	36 x 36		9.00										11	
"PR-A"	7+45	R3-8	30 x 30	6.25											10	
"PR-A"	9+11	R1-1	30 x 30	6.25											10	
"PR-A"	9+12	D3-1 (5)	36 x 09		2.25										9	
"PR-A"	9+12	D3-1 (1)	48 x 09		3.00										-	
"PR-A"	10+41	W11-2	36 x 36		9.00										-	
"PR-A"	10+41	W16-7P	24 x 12	2.00											-	
"PR-A"	10+41	W11-2	36 x 36		9.00										-	
"PR-A"	10+41	W16-7P	24 x 12	2.00											-	
"PR-A"	10+63	R5-1	30 x 30	6.25											10	
"PR-A"	11+10	R6-2 (R)	24 x 30	5.00											10	
"PR-A"	11+10	R6-2 (L)	24 x 30	5.00											-	
"PR-A"	11+55	R8-3a	24 x 30	5.00											10	
"PR-A"	12+70	R7-1	12 x 18	1.50											9	
"PR-A"	13+70	S1-1	36 x 36		9.00										11	
"PR-A"	14+05	R6-2 (R)	24 x 30	5.00											10	
"PR-A"	14+05	R6-2 (L)	24 x 30	5.00											-	
"PR-A"	14+60	R8-3a	24 x 30	5.00											10	
"PR-A"	22+19	R1-1	30 x 30	6.25											10	
"PR-A"	22+20	D3-1 (6)	54 x 09		3.38										9	
"PR-A"	22+20	D3-1 (2)	48 x 09		3.00										-	
"PR-A"	26+20	R1-1	30 x 30	6.25											10	
"PR-A"	26+21	D3-1 (7)	54 x 09		3.38										9	
"PR-A"	26+21	D3-1 (2)	48 x 09		3.00										-	
"PR-A"	32+68	W3-3	30 x 30	6.25											10	
"PR-A"	34+70	R2-1 (30)	24 x 30	5.00											10	
"PR-A"	64+35	R10-12M	30 x 36		7.50										-	
"PR-A"	64+57	R10-12M	30 x 36		7.50										-	
"PR-A"	64+91	R10-12M	30 x 36		7.50										-	
TOTALS				91.00	107.00										188	

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET SIGN AND POST SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	97 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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Revised Quantity 1–22–2018

PAVEMENT MARKINGS SUMMARY OF QUANTITIES

LOCATION		OFFSET			LINE PAINT	LINE THERMOPLASTIC					LINE PAINT		TRANSVERSE MARKINGS THERMOPLASTIC PARKING LINE		TRANSVERSE MARKINGS THERMOPLASTIC STOP LINE		TRANSVERSE MARKINGS CROSSHATCH LINE		TRANSVERSE MARKINGS CROSSWALK LINE		PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD, "ONLY"	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW	SNOWPLOWABLE RAISED PAVEMENT MARKERS
		L	CL	R	SOLID YELLOW 4 in	SOLID WHITE 4 in	SOLID YELLOW 4 in	SOLID WHITE 8 in	SOLID WHITE 12 in	BROKEN WHITE 4 in	BROKEN YELLOW 4 in	SOLID WHITE 4 in	SOLID YELLOW 4 in	SOLID WHITE 12 in	SOLID WHITE 24 in	SOLID YELLOW 12 in	SOLID YELLOW 24 in	SOLID WHITE 6 in	SOLID WHITE 24 in			
					LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	EACH	EACH	EACH
LINE, THERMOPLASTIC, SOLID, WHITE, 4IN																						
Line "PR-A"																						
5+29	6+30	X				101																
8+76	8+94			X		46																
Line "PR-S-1-A"																						
LINE THERMOPLASTIC SOLID YELLOW 4IN																						
Line "PR-A"																						
5+27	6+30			X			206															
6+30	7+80	X		X			550															
7+80	8+44		X				128															
8+65	8+82			X			86															
9+09	21+38		X				2458															
22+18	25+65		X				694															
26+15	34+72		X				1714															
34+72	35+83		X				222															
Line "PR-S-1-A"																						
TRANSVERSE MARKINGS THERMOPLASTIC,CROSSWALK LINE, 24IN																						
Line "PR-A"																						
10+38	10+42	X		X															30			
TRAVERSE MARKINGS THERMOPLASTIC, STOP LINE, 24 IN																						
Line "PR-A"																						
4+75	5+17			X											41							
5+27		X													27							
8+81	9+13			X											30							
21+78	22+06			X											27							
25+92	26+19			X											27							
63+83				X											25							
64+01	64+61	X													39							
TRAVERSE MARKINGS, THERMOPLASTIC, CROSSWALK LINE, 6 IN																						
Line "PR-A"																						
4+23			X															79				
4+29			X															87				
4+30	5+18			X														87				
4+30	5+18			X														85				
5+16			X															67				
5+23			X															60				
8+36	9+26			X														158				
21+40	22+13			X														130				
25+58	26+25			X														127				
63+87			X															40				
63+95			X															45				
64+25	64+77			X														70				
64+25	64+77			X														67				

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S. Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: JJP
CHECKED: MSM CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	98 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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PAVEMENT MARKINGS SUMMARY OF QUANTITIES

LOCATION		OFFSET			LINE PAINT	LINE THERMOPLASTIC				LINE PAINT		TRANSVERSE MARKINGS THERMOPLASTIC PARKING LINE		TRANSVERSE MARKINGS THERMOPLASTIC STOP LINE		TRANSVERSE MARKINGS CROSSHATCH LINE		TRANSVERSE MARKINGS CROSSWALK LINE		PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD, "ONLY"	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW	SNOWPLOWABLE RAISED PAVEMENT MARKERS	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BLUE)
		L	CL	R	SOLID YELLOW 4 in	SOLID WHITE 4 in	SOLID YELLOW 4 in	SOLID WHITE 8 in	SOLID WHITE 12 in	BROKEN WHITE 4 in	BROKEN YELLOW 4 in	SOLID WHITE 4 in	SOLID YELLOW 4 in	SOLID WHITE 12 in	SOLID WHITE 24 in	SOLID YELLOW 12 in	SOLID YELLOW 24 in	SOLID WHITE 6 in	SOLID WHITE 24 in				
					LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	EACH	EACH	EACH	EACH
64+00	64+85	X																73					
64+00	64+87	X																67					
64+83			X															53					
64+91			X															52					
PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD, "ONLY"																							
Line "PR-A"																							
5+65			X																	1			
Line "PR-S-1-A"																							
PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW																							
Line "PR-A"																							
5+50		X																			2		
5+50			X																		1		
8+83				X																	1		
8+93				X																	1		
Line "PR-S-1-A"																							
SNOWPLOWABLE RAISED PVMT MARKERS (BLUE)																							
Line "PR-A"																							
6+45			X																				1
17+16			X																				1
26+24			X																				1
Line "S-2-A"																							1
1+45			X																				
TRANSVERSE MARKING THERMOPLASTIC PARKING LINE WHITE 4 IN.																							
Line "PR-A"																							
6+58				X								16											
6+68				X								16											
6+78				X								16											
6+88				X								16											
6+98				X								16											
7+08				X								16											
7+18				X								16											
7+28				X								16											
7+38				X								16											
7+48				X								16											
7+58				X								16											
7+60				X								16											
7+70				X								16											
7+80				X								16											
7+90				X								16											
8+00				X								16											
10+60		X										17											
TOTAL						**147**	**6,058**					**273**			**216**			**1,347**	**30**	**1**	**5**		**4**

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MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S. Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP

CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	99 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

Revised Quantity 1–22–2018

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	EXIST. SURFACE BEYOND R/W			GRADE		EXCAVATION		PCCP FOR APPROACHES		HMA FOR APPROACHES		QC/QA-HMA, 2, 64, SURFACE 9.5 MM	QC/QA-HMA, 2,64, INTERMED. 19.0 MM	QC/QA-HMA, 2, 64, BASE 25.0 MM	HMA FOR TEMPORARY PAVEMENT		MILLING, TRANSITION	SUBGRADE TREATMENT TYPE II	SUBGRADE TREATMENT TYPE III	SUBGRADE TREATMENT TYPE IB	ASPHALT FOR TACK COAT	JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	COMPACTED AGGREGATE, NO. 53				COMPACTED AGGREGATE, NO. 53	COMPACTED AGGREGATE, NO. 73	REMARKS
						AGGREGATE	ASPHALT	CONCRETE							TYPE B	TYPE B						SURFACE TYPE B	Intermediate TYPE B								DEPTH (INCHES)		DEPTH (6")	DEPTH (12")	DEPTH (12")	DEPTH (INCHES)	
													INCH		LB./SYS.																						
									1	2	CUT	FILL	6	9	550	880	165	275	440	165	275								3	6	CYS	CYS		6	
		FT.	FT.	FT.	FT.				%	%	CYD.	CYD.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	LFT	LFT	SYS	SYS			TON	SYS.	
Approaches																																				
Line "PR-A"																																				
6+50 LT.	Mod. Class III Drive	12	37.7	10 / 4.5					-2.0	-8.0	11.0			60.7										60.7												Modified Radius
650 RT.	School Parking Lot														111									111.0											
6+70 LT.	Mod. Class I Drive	12.7	39	4.5 / 20					-2.0	-9.0	7.2	0.1	74.2											74.2												Modified Radius
7+78 LT.	Mod. Class III Drive	25	43.5	20 / 10					-2.0	-3.9	35.4			156.1										156.1												Modified Radii
8+93 RT.	Mod. Street Approach	36	85.4	30 / 40	70.4		X		0.5	3.0						466.0								466.0												
	(Tiger Boulevard)								5.5	8.0																										1
9+81 LT.	Class III Drive	24	20	15 / 20					2.0	-1.5	18.7			74.7										74.7												
10+87 LT.	Mod. Class III Drive	30.9	35	15 / 20	15		X		-2.0	-8.0	5.8	3.9		91.3	88.0									179.3												Modified Radius
10+87 RT.	Mod. Class III Drive	30	20	20 / 8	5		X		2.0	-0.8	8.2			62.1	18.0									80.1												Modified Radius
12+12 LT.	Class III Drive	23.5	20	10 / 20					2.0	9.8	17.6			69.3										69.3												
12+85 LT.	Class III Drive	11	26.8	10 / 20	6.8		X		2.0	10.0	26.4			44.4	9.0									53.4												
13+70 RT.	Mod. Class III Drive	34.6	46.1	7.9 / 10	31.1		X		-2.0	-10.0	13.3	5.1		83.9	209.0									292.9												Modified Radius
16+04 LT.	Class III Drive	12.7	20	10 / 20					2.0	-3.5	1.2	1.1		49.7										49.7												
17+01 RT.	Mod. Class III Drive	12	20	15 / 10			X		1.0	-13.7	5.3			41.1										41.1												Modified Radius
17+48 RT.	Class III Drive	24.1	20	20 / 10					1.0	-4.5	14.0			73.3										73.3												
20+13 RT.	Mod. Class III Drive	10.3	23.6	15 / 10	3.6		X		-2.0	-10.0	1.6	0.2		39.7	3.0									42.7												Modified Radius
23+66 RT.	Mod Class I Drive	16	20	15 / 10					2.0	19.8	3.1		48.9											48.9												Modified Radius and Steps
24+42 RT.	Mod. Class I Drive	8.8	20	18 / 10					2.0	5.2	1.7		35.7											35.7												Modified Radius and Width
25+78 RT.	Mod. Street Approach	18.3	44.2	30 / 4					-2.0	0.5	29.3						132.3	132.3	132.3						308.0	396	88.0	88.0	132.0						
	(E. Oakwood Drive)																																			
26+06 RT.	Mod. Street Approach	18.7	44.2	4 / 30					-2.0	0.5	37.4						132.3	132.3	132.3						307.0	396	88.0	88.0	132.0						
	(E. Oakwood Drive)																																			
26+54 RT.	Mod. Class I Drive	10.3	20.2	10 / 10					2.0	7.3	3.7		33.2											33.2												Modified Radius and Width
29+62 RT.	Mod. Class I Drive	38.1	31.5	8 / 15	11.5		X		2.0	10.0	44.5		96.9		65.0									161.9												Modified Radii
31+46 LT.	Mod. Class I Drive	18.6	30	10 / 20					-8.3	-2.0	9.5		96.9											96.9												Skewed Connection
32+08 RT.	Class I Drive	10.5	28.6	20 / 10	8.6		X		8.3	2.0	7.3		44.4		10.0									54.4												
32+21 LT.	Class I Drive	13.7	30	10 / 20					-8.3	-2.0	6.7		65.3											65.3												
33+18 LT.	Mod. Class I Drive	18.3	51.4	10 / 20	21.4		X		-2.0	-10.0	0.9	13.6	85.3		108.0									193.3												
34+37 LT.	Mod. Class I Drive	9.2	46.5	12 / 30	16.5		X		-8.3	-2.0	2.1		53.7		10.0									63.7												Modified Radius
34+52 LT.	Mod. Class I Drive	10.5	45.6	0 / 18	15.6		X		-8.3	-2.0	2.0	1.2	54.4		21.0									75.4												Modified Radius

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MONTE S. MILDENBERG
REGISTERED
No. PE60880378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP

CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

APPROACH TABLES

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808

SURVEY BOOK	SHEETS
ELECTRONIC	100 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

Revised Quantity 1–22–2018

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	EXIST. SURFACE BEYOND R/W			GRADE		EXCAVATION		PCCP FOR APPROACHES		HMA FOR APPROACHES		QC/QA-HMA, 2, 64, SURFACE 9.5 MM	QC/QA-HMA, 2,64, INTERMED. 19.0 MM	QC/QA-HMA, 2, 64, BASE 25.0 MM	HMA FOR TEMPORARY PAVEMENT		MILLING, TRANSITION	SUBGRADE TREATMENT TYPE II	SUBGRADE TREATMENT TYPE III	SUBGRADE TREATMENT TYPE IB	ASPHALT FOR TACK COAT	JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	COMPACTED AGGREGATE, NO. 53				COMPACTED AGGREGATE, NO. 53	COMPACTED AGGREGATE, NO. 73	REMARKS
						AGGREGATE	ASPHALT	CONCRETE					INCH		TYPE B	TYPE B	LB./SYS.					SURFACE TYPE B	Intermediate TYPE B								DEPTH (INCHES)		DEPTH (6")	DEPTH (12")	DEPTH (12")	DEPTH (INCHES)	
		FT.	FT.	FT.	FT.				1 %	2 %	CUT CYD.	FILL CYD.	6 SYS.	9 SYS.	550 SYS.	880 SYS.	165 SYS.	275 SYS.	440 SYS.	165 SYS.	275 SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	LFT	LFT	3 SYS	6 SYS	CYS	CYS	TON	6 SYS.	
Line "PR-S-1-A"																																				
(Klerner Lane)																																				
Line "S-2-A"																																				
1+75 RT.	Mod. Class I Drive	18	24.5	15 / 10	12.5			X	2.0		2.5		61.4											61.4												Modified Radius
Maintenance of Traffic																																				
Phase 1B											17.0									61.0	61.0			90.0						61.0	8.0				
Phase 4 Prelim											96.1									346.0	346.0			577.0						342.6	67.0		31.0		
Mainline Pavement																																				
5+10.36 to 34+72 "PR-A"	Mt Tabor Road																6977	6977	6977						10548	20931	3508	3508	6978	40.1					Subgrade value accounts for rock excavation area.
12+00 to 14+00 "PR-A"	Mt Tabor Road																															440.0				Rock Excavation Area
1+00 to 1+97 "S-2-A"	W. Oakwood Drive																448	448	448						330	1344	176	176	448							
Incidental Pavement																																				
34+72 to 35+82.95 "PR-A"	Mt Tabor Road																314					314				314										
COLUMN TOTALS											430	25	750	847	652	466	8004	7690	7690	407	407	314	2715	667	11493	23381	3860	3860	7690	444	75	440	31	0	
FACTOR											1	1	1	1	0.275	0.44	0.0825	0.1375	0.22	0.08	0.14	1	1	1	1	0.00025	1	1	0.083	0.167	1	1	1	0.333	
QUANTITY											430	30	750	847	180	206	661	1057	1692	34	56	314	2715	667	11493	6	3860	3860	641	74	75	440	31	0	
UNIT											CYD.	CYD.	SYS.	SYS.	TON	TON	TON	TON	TON	TON	TON	SYS	SYS	SYS	SYS	TON	LFT	LFT	CYS	CYS	CYS	CYS	TON	TON	

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MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
DESIGN ENGINEER DATE

DESIGNED: AJS | DRAWN: JJP

CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

APPROACH TABLES

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	101 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

Sheet Added 1-22-2018

UNDERDRAIN TABLE

Underdrain Pipe Limits	UNDERDRAIN PIPE Type 4 Pipe 6" (LFT)	Geotextile for Underdrain, Type 1A (SYS)	Aggregate for Underdrains (CYS)	Special Grade (%)	Invert Elevation of Underdrain Pipe	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	Remarks
Line "PR-A Outside Right"									
5+11	87	70.1	7.8		490.17	N			
5+98					487.43		16	486.87	
6+02	126	101.6	11.3		487.21	N			
7+28					482.35		20	481.62	
7+32	79	62.9	7.1		482.27	N			
8+11					481.52		24	480.13	
8+27	111	89.5	10.0		481.55	N	25	480.55	
9+38					483.60				
9+42	110	88.7	9.9		483.73	N	32	483.34	
10+52					488.60				
10+56	367	292.1	33.0		488.80	N	36	487.88	
14+23					503.40				
14+27	270	217.6	24.3		503.56	N	44	502.67	
16+97					508.92				
16+97	151	121.7	13.6		508.92	N			
18+48					507.31		49	506.55	
18+52	198	157.6	17.8		507.24	N			
20+50					503.67		52	502.98	
20+54	62	50.0	5.6		503.60	N			
21+16					502.95		54	498.60	
21+20	278	224.1	25.0		502.94	N			
23+98					495.51		62	494.62	
24+02	133	105.9	12.0		495.25	N			
25+35					489.78		65	489.00	
25+37	136	109.6	12.2		489.73	N			
26+73					485.62		67	484.77	
27+77	121	97.5	10.9		481.83	N			
28+98					478.06		70	476.46	
29+02	29	23.1	2.6		477.98	N			
29+31					477.43		71	476.61	
29+35	97	78.2	8.7		477.36	N			
30+32					476.57		74	475.60	
30+36	22	17.7	2.0		476.57	N	74	475.60	
30+58					476.62				
30+62	116	92.3	10.4		476.64	N	75	475.84	
31+78					477.90				

UNDERDRAIN TABLE

Underdrain Pipe Limits	UNDERDRAIN PIPE Type 4 Pipe 6" (LFT)	Geotextile for Underdrain, Type 1A (SYS)	Aggregate for Underdrains (CYS)	Special Grade (%)	Invert Elevation of Underdrain Pipe	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	Remarks
Line "PR-A Outside Left"									
5+11	84	67.7	7.6		490.17	N			
5+95					487.59		15	486.76	
5+99	129	102.7	11.6		487.38	N			
7+28					482.35		19	481.44	
7+32	79	63.7	7.1		482.37	N			
8+11					481.52		23	479.91	
8+15	23	18.5	2.1		481.52	N			
8+38					481.64		23	479.91	
8+42	96	77.4	8.6		481.64	N	26	480.83	
9+38					483.60				
9+42	184	146.5	16.6		483.73	N	31	482.89	
11+26					492.02				
11+30	293	236.2	26.4		492.19	N	39	491.30	
14+23					503.40				
14+27	270	217.6	24.3		503.56	N	42	501.21	
16+97					508.92				
16+97	151	120.2	13.6		508.92	N			
18+48					507.31		48	502.98	
18+52	198	159.6	17.8		507.24	N			
20+50					503.67		51	502.87	
20+54	61	49.2	5.5		503.60	N			
21+15					502.96		55	498.30	
21+19	414	329.5	37.3		502.94	N			
25+33					489.83		64	488.60	
25+37	361	291.0	32.5		489.73	N			
28+98					478.06		69	476.26	
29+02	130	104.8	11.7		477.98	N			
30+32					476.57		73	475.17	
30+36	27	21.5	2.4		476.57	N	73	475.17	
30+63					476.65				

MONTE S. MILDENBERG
REGISTERED
No. PE60880378
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 1/22/2018
DESIGN ENGINEER DATE

DESIGNED: AMP | DRAWN: JJP
CHECKED: MSM | CHECKED: AMP

INDIANA DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLE

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	101-1 of 6
CONTRACT	PROJECT NO.
R-33319	0710808

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE	DESCRIPTION		LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL		GEOTEXTILES	REVETMENT RIPRAP	CLASS 1 RIPRAP	CLASS 2 RIPRAP	UNIFORM RIPRAP	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR.	REMARKS
	STATION	LEFT	RIGHT	CROSS		PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE			COVER	UP STREAM	DOWN STREAM					CYS	TYPE	SYS	TON	TON	TON	TON	EA.	TYPE	SLOPE	EA.	SLOPE	EA.		
					INCHES			LFT		FT	ELEV.	ELEV.	YRS.																		
	Line "PR-A"																														
11	5+14.70		X				Existing Inlet							N																	No Change Req'd.
12	5+30.80	X					Existing San. Manhole							N																	No Change Req'd.
13	5+43.00			X			Existing Manhole							N																	No Change Req'd.
13A	5+52.00		X				Existing Inlet							N																	No Change Req'd.
14	5+95.00	X					Manhole Type C4				484.27	479.62	75	N	7																Connect to Exist 18" Pipe
15	5+97.00	X			12	2	Inlet Type C-15	12		2.0	486.76	486.72	75	N	7	1	4.1	1											14	
16	5+98.00		X		12	2	Inlet Type B-15	29		1.2	486.87	486.77	75	N	7	1	6.9	1											15	
18	7+30.00	X			30	2	Manhole Type D4	22		1.6	478.53	478.43	75	N	7	1	14.1	1	54	30										Outlet
19	7+30.00	X			15	2	Inlet Type C-15	16		2.2	481.44	481.32	75	N	7	1	6.7	1											18	
20	7+30.00		X		15	2	Inlet Type C-15	27		1.1	481.62	481.46	75	N	7	1	6.1	1											19	Water Main Quality Structure (See Special Provisions)
21	7+30.00		X		12	2	Inlet Type A-3	7		2.1	481.78	481.64	75	N	7	1	2.5	1											20	Water Main Quality Structure (See Special Provisions)
22	8+13.00	X			30	2	Manhole Type K4	78		3.0	478.90	478.58	75	N	7	1	74.4	1											18	
23	8+13.00	X			18	2	Mod. Manhole Type J-15	12		2.6	479.91	479.85	75	N	7	1	6.4	1											22	
24	8+13.00		X		18	2	Mod. Manhole Type J-15	17		1.8	480.13	480.01	75	N	7	1	6.9	1											23	Water Main Quality Structure (See Special Provisions)
25	8+25.00		X		15	2	Mod. Manhole Type J-15	6		1.4	480.55	480.51	75	N	7	1	1.8	1											24	Water Main Quality Structure (See Special Provisions)
26	8+40.00	X			12	2	Inlet Type B-15	22		1.5	480.83	480.72	75	N	7	1	6.1	1											23	
27	8+50.30	X					Existing San. Manhole							N																	No Change Req'd.
28	8+53.00		X		12	2	Mod. Manhole Type J-15	26		1.5	481.06	480.82	75	N	7	1	7.2	1											25	Water Main Quality Structure (See Special Provisions)
29	9+01.00		X		12	2	Inlet Type E-7	64		2.0	484.67	481.06	75	N	7	1	21.9	1											28	Water Main Quality Structure (See Special Provisions)
30	9+40.00	X			18	2	Manhole Type K4	121		3.8	481.61	479.00	75	N	7	1	88.2	1											22	Connect to Exist. Pipe
31	9+40.00	X			15	2	Inlet Type C-15	3		2.8	482.89	482.86	75	N	7	1	1.5	1											30	
32	9+40.00		X		15	2	Inlet Type C-15	19		1.4	483.34	483.12	75	N	7	1	5.8	1											31	
33	9+40.00		X		15	2	18" Pipe Catch Basin	9		2.0	483.66	483.60	75	N	7	1	3.5	1											32	Water Main Quality Structure (See Special Provisions)
34	9+97.90		X		15	2	Pipe	3			488.18	488.13	75	N	7	1		1	65				25							Water Main Quality Structure (See Special Provisions)
35	10+54.00	X			18	2	Manhole Type D4	105		3.4	486.09	482.98	75	N	7	1	69.6	1											30	Connect to Exist. Pipe
36	10+54.00		X		18	2	Inlet Type B-15	27		1.0	487.88	487.61	75	N	7	1	7.7	1											35	30' of Slotted Drain Req'd.
37	10+24.70	X					Existing San. Manhole							N																	Adjust Casting to Grade
38	11+27.70	X			15	2	Manhole Type C4	68		5.5	489.50	487.05	75	N	7	1	63.1	1											35	
39	11+28.00	X			12	2	Inlet Type B-15	4		3.6	491.30	491.20	75	N	7	1	2.2	1											38	
40	13+00.00	X			12	2	18" Pipe Catch Basin	1		1.8	499.04	499.00	75	N	7	1	0.3	1											41	
41	13+00.00	X			15	2	Manhole Type C4	168		4.2	496.35	489.76	75	N	7	1	120.8	1											38	
42	14+25.00	X			12	2	Manhole Type C4	120		4.5	501.21	496.60	75	N	7	1	82.5	1											41	
43	14+25.00	X			12	2	Inlet Type C-15	5		3.6	502.57	502.50	75	N	7	1	2.8	1											42	20' of Slotted Drain Req'd.

MONTE S. MILDENBERG REGISTERED No. PE60880378 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Monte S Mildenberg 10/30/2017
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DESIGNED: AJS | DRAWN: MAB

CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	102 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE	DESCRIPTION		LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL		GEOTEXTILES	REVETMENT RIPRAP	CLASS 1 RIPRAP	CLASS 2 RIPRAP	UNIFORM RIPRAP	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR.	REMARKS
	STATION	LEFT	RIGHT	CROSS		PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE			COVER	UP STREAM	DOWN STREAM																			
					INCHES			LFT		FT	ELEV.	ELEV.	YRS.				CYS	TYPE	SYS	TON	TON	TON	TON	EA.	TYPE	SLOPE	EA.	SLOPE	EA.		
	Line "PR-A" (Cont)																														
44	14+25.00		X		12	2	Inlet Type B-15	19		2.4	502.67	502.57	75	N	7	1	7.5	1												43	
45	16+35.00	X			12	2	18" Pipe Catch Basin	3		1.3	508.12	508.11	75	N	7	1	0.8	1												46	
46	16+35.00	X			12	2	Manhole Type C4	202		2.5	507.87	501.35	75	N	7	1	82.4	1												42	
47	17+90.80	X					Existing San. Manhole							N																	No Change Req'd.
48	18+50.00	X			12	2	Inlet Type C-15	6		2.6	506.49	506.45	75	N	7	1	2.5	1												50	
48A	18+50.00	X			12	2	Manhole Type C4	195		2.5	506.45	502.84	75	N	7	1	79.5	1												48	
49	18+50.00		X		12	2	Inlet Type B-15	20		1.7	506.55	506.49	75	N	7	1	6.1	1												48A	
50	20+50.00	X			12	2	Manhole Type C4	67		2.2	501.00	500.00	75	N	7	1	24.7	1												53	
51	20+52.20	X			12	2	Inlet Type C-15	11		2.1	502.87	502.84	75	N	7	1	3.9	1												50	
52	20+52.40		X		12	2	Inlet Type B-15	19		1.6	502.98	502.87	75	N	7	1	5.5	1												51	Water Main Quality Structure (See Special Provisions)
53	21+20.00	X			18	2	Manhole Type C4	10		4.4	498.10	498.05	75	N	7	1	8.3	1	20	9											Outlet
54	21+18.00		X		12	2	Inlet Type B-15	20		5.4	498.60	498.40	75	N	7	1	16.4	1												55	
55	21+17.40	X			12	2	Inlet Type C-15	11		5.9	498.30	498.20	75	N	7	1	9.9	1												53	
59	22+05.00	X					Existing Force Main Manhole							N																	Adjust to Grade
61	23+53.40		X		12	2	18" Pipe Catch Basin	45		4.0	497.00	494.70	75	N	7	1	27.7	1												62	Water Main Quality Structure (See Special Provisions)
62	24+00.00		X		12	2	Inlet Type C-15	130		1.2	494.62	489.00	75	N	7	1	31.1	1												65	Water Main Quality Structure (See Special Provisions)
64	25+35.00	X			12	2	Inlet Type C-15	27		2.4	488.60	488.32	75	N	7	1	10.6	1	11	4											Outlet
65	25+35.00		X		12	2	Inlet Type C-15	19		1.4	489.00	488.62	75	N	7	1	5.0	1												64	Water Main Quality Structure (See Special Provisions)
67	26+75.00		X		12	2	Inlet Type B-15	50		1.5	484.77	484.25	75	N	7	1	13.9	1	11	4											Water Main Quality Structure (See Special Provisions)
69	29+00.00	X			12	2	Inlet Type C-15	24		3.9	476.26	476.00	75	N	7	1	14.4	1	11	4											Outlet
70	29+00.00		X		12	2	Inlet Type C-15	20		2.5	476.46	476.26	75	N	7	1	8.2	1												69	Water Main Quality Structure (See Special Provisions)
71	29+33.00		X		12	2	Inlet Type B-15	29		1.5	476.61	476.46	75	N	7	1	8.0	1												70	Water Main Quality Structure (See Special Provisions)
72	30+27.70	X			15	2	Manhole Type C4	13		2.1	475.03	474.75	75	N	7	1	5.3	1	82		65										Outlet
73	30+34.00	X			15	2	Inlet Type C-15	15		3.5	475.17	475.03	75	N	7	1	9.2	1												72	
74	30+34.00		X		15	2	Inlet Type C-15	20		1.8	475.60	475.42	75	N	7	1	7.2	1												73	Water Main Quality Structure (See Special Provisions)
																															20' of Slotted Drain Req'd.
75	30+60.00		X		15	2	Inlet Type C-15	21		1.2	475.84	475.62	75	N	7	1	5.8	1												74	Water Main Quality Structure (See Special Provisions)
																															10' of Slotted Drain Req'd.
76	30+65.00	X			12	2	Inlet Type B-15	26		1.3	475.88	475.61	75	N	7	1	6.5	1												73	
77	30+84.50		X				Existing Storm Manhole							N																	Adjust Casting to Grade
78	31+80.00		X		12	2	Inlet Type B-15	115		1.6	477.12	475.90	75	N	7	1	33.3	1												75	Water Main Quality Structure (See Special Provisions)
79	31+95.50	X					Existing Sanitary Manhole							N																	Adjust to Grade

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DESIGNED: AJS | DRAWN: MAB
CHECKED: MSM | CHECKED: MSM

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
N.A.	N.A.
VERTICAL SCALE	DESIGNATION NO.
N.A.	0710808
SURVEY BOOK	SHEETS
ELECTRONIC	103 of 146
CONTRACT	PROJECT NO.
R-33319	0710808

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Revised Quantity 1-22-2018

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE	DESCRIPTION		LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL		GEOTEXTILES	REVETMENT RIPRAP	CLASS 1 RIPRAP	CLASS 2 RIPRAP	UNIFORM RIPRAP	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR.	REMARKS
	STATION	LEFT	RIGHT	CROSS		PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE			COVER	UP STREAM	DOWN STREAM																			
					INCHES			LFT		FT	ELEV.	ELEV.	YRS.				CYS	TYPE	SYS	TON	TON	TON	TON	EA.	TYPE	SLOPE	EA.	SLOPE	EA.		
	Line "PR-A" (Cont)																														
	Line "PR-S-1-A"																														

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE	DESCRIPTION		LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL		GEOTEXTILES	REVETMENT RIPRAP	CLASS 1 RIPRAP	CLASS 2 RIPRAP	UNIFORM RIPRAP	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR.	REMARKS
	STATION	LEFT	RIGHT	CROSS		PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE			COVER	UP STREAM	DOWN STREAM																			
					INCHES			LFT		FT	ELEV.	ELEV.	YRS.				CYS	TYPE	SYS	TON	TON	TON	TON	EA.	TYPE	SLOPE	EA.	SLOPE	EA.		
	Line "PR-S-1-A" (Cont)																														
	Line "S-2-A"																														
55A																															No. 55A Unused
56																															No. 56 Unused
57																															No. 57 Unused
58																															No. 58 Unused
60																															No. 60 Unused
	TOTALS																**1046.8**		**254**	**51**	**65**		**25**								
																	CYS		**SYS**	**TON**	**TON**	**TON**	**TON**								

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		STRUCTURE NUMBER																WATER MAIN QUALITY PIPE				
	GROUP	A	B	C	D	E	F	G	H	I	J	K	L	M	N		20	X	Y	Z		
PIPE TYPE / SHAPE		2 CIR	2 CIR	2 CIR	2 CIR	2 CIR			2 CIR	2 CIR		2 CIR	2 CIR	2 CIR			2 CIR	WMQ CIR	WMQ CIR	WMQ CIR		
SMOOTH PIPE SIZE		12 IN	12 IN	18 IN	15 IN	15 IN			18 IN	12 IN		12 IN	30 IN	30 IN			12 IN	12 IN	15 IN	18 IN		
CORRUGATED PIPE SIZE																						
RCP/RCHEP (S)	CLASS	II	II	II	II	II			II	III		III	II	II			III	WATER QUALITY STRUCTURE ***				
	$D_{0.01}$ RATING	1000	1000	1000	1000	1000			1000	1250		1250	1000	1000			1250					
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)		OK	OK	OK	OK	OK				OK			OK									
CORRUGATED PE PIPE, TYPE S (S)*		OK		OK	OK								OK									
RIBBED PE PIPE (S)*				OK									OK									
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR 26		OK		OK	OK								OK									
PROFILE WALL PVC PIPE (S)		OK		OK	OK								OK									
SMOOTH WALL PVC PIPE (S)*		OK		OK	OK																	
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)		OK	OK	OK	OK	OK				OK		OK	OK	OK								
CORRUGATED STEEL PIPE / PIPE-ARCH																						
FULLY BIT. PAVED & LINED (S)	CORR. PROFILE			2 2/3" X 1/2"	2 2/3" X 1/2"	2 2/3" X 1/2"			2 2/3" X 1/2"				2 2/3" X 1/2"	2 2/3" X 1/2"								
	THICKNESS			0.109	0.109	0.109			0.109				0.109	0.109								
ZINC COATED (C)	CORR. PROFILE																					
	THICKNESS																					
ZINC COATED W/ BPI (C)	CORR. PROFILE																					
	THICKNESS																					
ALUM. COATED TYPE 2 (C)	CORR. PROFILE																					
	THICKNESS																					
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE																					
	THICKNESS																					
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																					
	THICKNESS																					
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE																					
	THICKNESS																					
POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE																					
	THICKNESS																					
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE																					
	THICKNESS																					
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE																					
	THICKNESS																					
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																					
	THICKNESS																					
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE																					
	THICKNESS																					
STR. PLATE ALUMINUM ALLOY PLATE (C)	CORR. PROFILE																					
	THICKNESS																					
STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)	CORR. PROFILE																					
	THICKNESS																					
STR. PLATE STEEL PIPE (C)	CORR. PROFILE																					
	THICKNESS **																					
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																					
	THICKNESS **																					

A	15, 39, 42, 43, 44, 46, 48, 48A, 50, 51, 54, 55, 64, 69, 70
B	26, 40, 49
C	23, 30, 35, 53
D	19, 31, 38, 41, 72, 73
E	32
F	
G	
H	36
I	45, 76
J	
K	16, 62
L	22
M	18
N	
X	21, 28, 29, 52, 61, 62, 65, 67, 70, 71, 78
Y	20, 25, 33, 34, 74, 75
Z	24

LEGEND

RCP-	Reinforced Concrete Pipe
RCHEP-	Reinforced Concrete Horizontal Elliptical Pipe
PE-	Polyethylene
DR-	Dimension Ratio
PVC-	Polyvinyl Chloride
BIT-	Bituminous
CORR-	Corrugation
BPI-	Bituminous Paved Invert
ALUM-	Aluminum
STR-	Structural
CFP-	Concrete Field Paving
CIR-	Circular Pipe
DEF-	Deformed Pipe
(S)-	Smooth Pipe Material
(C)-	Corrugated Pipe Material
OK-	Acceptable for Use
(LS)-	Lock Seam Pipe Required
*-	Refer to Standard Drawings 715-PHCL-18 and -19 for nominal diameter appropriate for pay item diameter.
**-	Tabulated thickness refers to top and side plates. Bottom plates shall be of next greater available thickness.
***-	See Special Provision for Water Quality Structure

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PIPE MATERIAL TABLE

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N.A.	N.A.
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