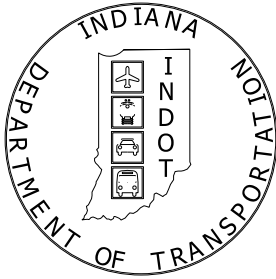


PROJECT	DESIGNATION
2100059	2100059
CONTRACT	BRIDGE FILE
R-43688	.

CULVERT ASSETS		
DES. NO.	CULVERT ASSET ID	WORK TYPE
2100059	CLV-16825	REPLACEMENT
2100059	CLV-16821	REPLACEMENT

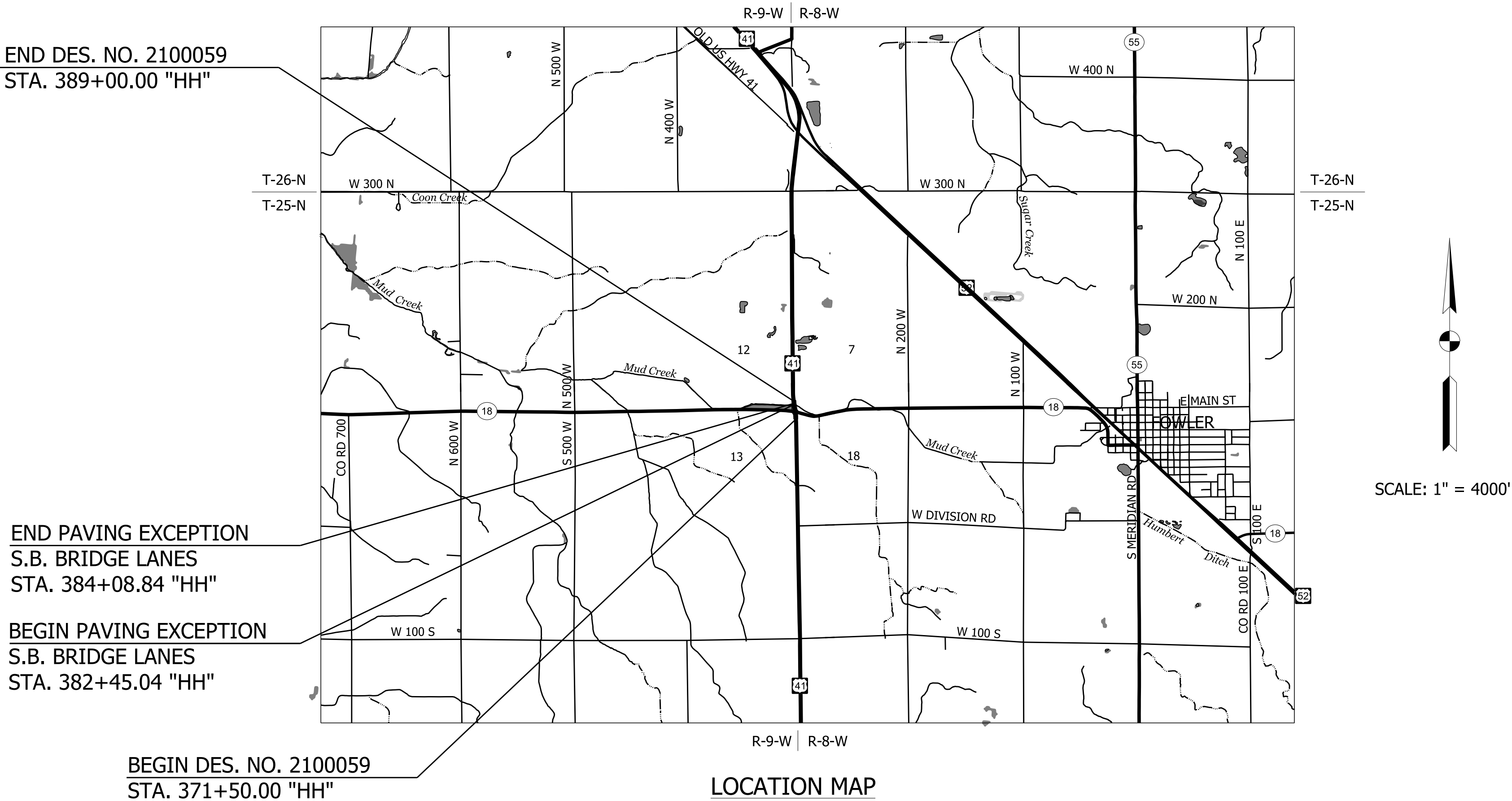
INDIANA DEPARTMENT OF TRANSPORTATION



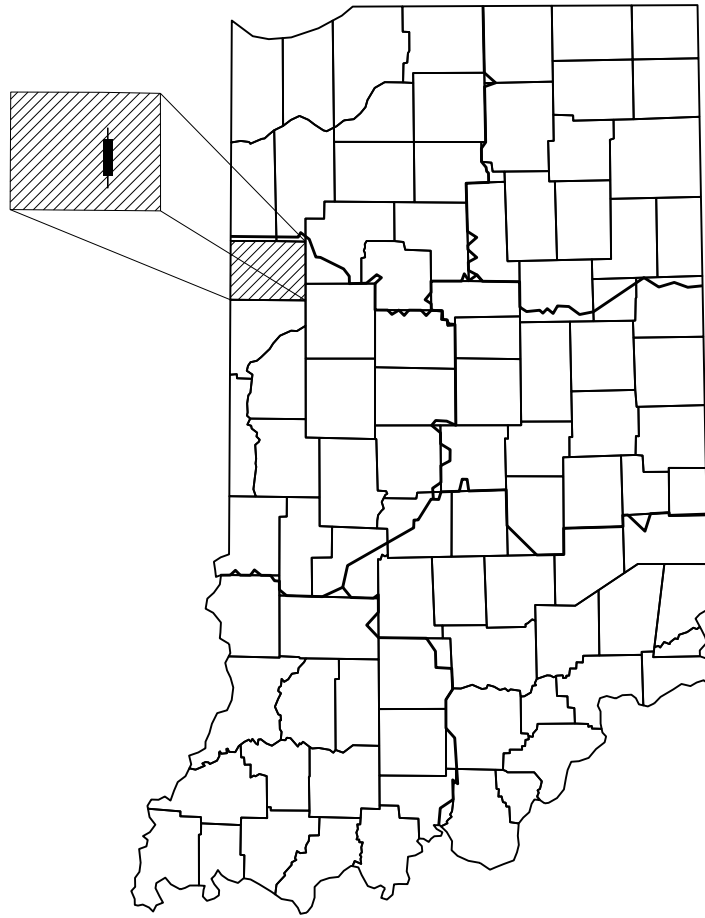
ROAD PLANS

ROUTE: US 41 FROM: RP 200+97 201+37
PROJECT NO. 2100059 P.E.
2100059 R/W
2100059 CONST.

INTERSECTION IMPROVEMENT AT US 41 AND SR 18 LOCATED 0.16 MILES SOUTH OF SR 18 & 0.17 MILES NORTH OF SR 18.
IN SECTIONS 12 & 13, T-25-N, R-9-W, PARISH GROVE TWP. AND SECTIONS 7 & 18, T-25-N, R-8-W, IN CENTER TWP., BENTON COUNTY, INDIANA.



TRAFFIC DATA	SR 18	US 41
A.A.D.T. (2026)	1,073 V.P.D.	3,617 V.P.D.
A.A.D.T. (2046)	1,206 V.P.D.	4,195 V.P.D.
D.H.V (2046)	90 V.P.H.	370 V.P.H.
DIRECTIONAL DISTRIBUTION	50.0 %	50.3 %
TRUCKS	37.9% A.A.D.T. 57.9% D.H.V.	48.2% A.A.D.T. 57.9% D.H.V.
DESIGN DATA		
DESIGN SPEED	55 M.P.H.	60 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	STATE COLLECTOR	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL	RURAL
TERRAIN	LEVEL	LEVEL
ACCESS CONTROL	PARTIAL	PARTIAL



PROJECT LOCATION SHOWN BY
BENTON COUNTY

LATITUDE: 40° 37' 19" N LONGITUDE: -87° 22' 51" W

BRIDGE LENGTH: 0.03 MI.
ROADWAY LENGTH: 0.30 MI.
TOTAL LENGTH: 0.33 MI.
MAX. GRADE: (EXIST.) 1.40 %

HUC: # 07120002070030

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2026
TO BE USED WITH THESE PLANS

Michael Baker
INTERNATIONAL

Michael Baker International, Inc.
3815 River Crossing Parkway, Suite 20
Indianapolis, IN 46240
Tel: 317-663-8430 Fax: 317-663-8410
www.mbakertntl.com

PLANS PREPARED BY:	Michael Baker International, Inc.	317-663-8430 PHONE NUMBER
CERTIFIED BY:		DATE
RECOMMENDED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

	BRIDGE FILE		
	DESIGNATION 2100059		
SURVEY BOOK	SHEETS		
	1	of	61
CONTRACT	PROJECT		
R-43688	2100059		

UTILITIES		
ELECTRICITY: WARREN COUNTY REMC PO BOX 37 WILLIAMSPORT, IN 47993 (765)762-6114 richs@wcwcremc.com Rich Schoonveld FOWLER RIDGE WIND FARM 91 S 100 E FOWLER, IN 47944 Ryan Linzner (765) 588-3862 FOWLER RIDGE IV WIND FARM, LLC GAS: TRUNKLINE GAS COMPANY (AMBIA) 10483 W 600 S AMBIA, IN 47917 (765) 869-5521 Anthony.Fitzgerald@energytransfer.com Anthony Fitzgerald	NIPSCO scaafsma@onsource.com Dave Shaafsma WATER: OXFORD UTILITIES	COMMUNICATION: AT&T DISTRIBUTION 5858 N COLLEGE AVE INDIANAPOLIS, IN 46220 (317) 252-4007 G09871@att.com MAINSTREAM FIBER NETWORKS, LLC (FORMERLY BIG NETW) MCI 2400 NORTH GLENVILLE DR RICHARDSON, TX 75082 (972) 729-6322 Investigations@verizon Dean Boyers

GENERAL NOTES	
**	ALL EARTH SHOULDERS, MEDIAN AREAS, CUT AND FILL SLOPES SHALL BE PLAIN OR MULCH SEEDED EXCEPT WERE SODDING IS SPECIFIED.
	THE FINAL CROSS SECTIONS OF THE GRADING CONTRACT WILL BE THE ORIGINAL CROSS SECTIONS OF THE PAVING CONTRACT. HOWEVER, PARTIAL OR COMPLETE CROSS SECTIONS SHALL BE TAKEN IF NECESSARY TO DETERMINE THE ACTUAL EXCAVATION QUANTITIES.
	THE PAPER RELOCATION WILL BE CROSS SECTIONED BY THE ENGINEER BEFORE CONSTRUCTION.
	THE EXISTING ASPHALT PAVEMENT LOCATED OUTSIDE THE CONSTRUCTION LIMITS, BETWEEN STA. _____ AND _____, SHALL BE REMOVED AS DIRECTED.

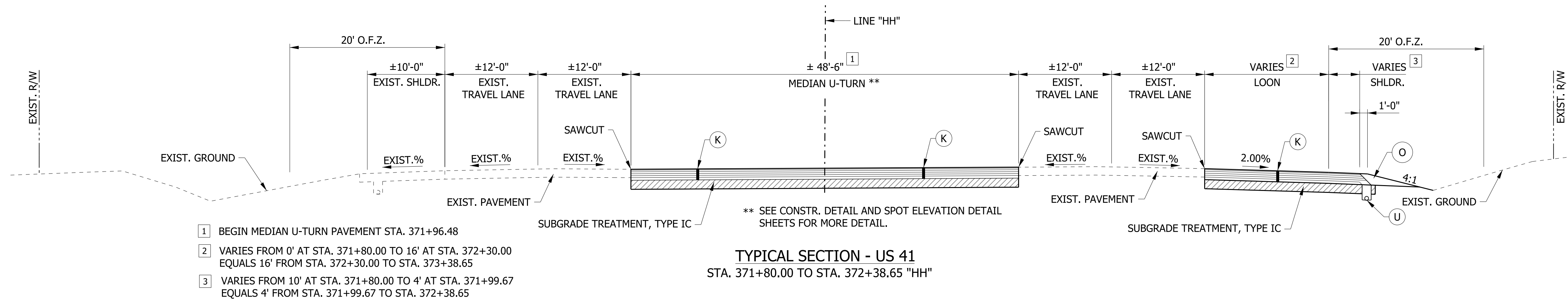
** REPRESENTS GENERAL NOTES REQUIRED.

INDEX	
SHEET NO.	DRAWINGS INDEX
1	TITLE
2	INDEX AND GENERAL NOTES
3-5	TYPICAL SECTIONS
6	SURVEY CONTROL
7-16	MAINTENANCE OF TRAFFIC
17-20	PLAN AND PROFILE SHEETS
21-24	CONSTRUCTION DETAIL SHEETS
25-26	GENERAL PLAN SHEETS
27-29	GRADING PLAN SHEETS
30-33	EROSION CONTROL SHEETS
34-38	PAVEMENT MARKINGS AND SIGNS
39-40	SIGN DETAILS AND TABLE
41-42	LIGHTING DETAILS
43	APPROACH TABLE
44	STRUCTURE DATA TABLE
45	MISCELLANEOUS TABLES
46	UNDERDRAIN TABLE
47-48	PANEL SIGN CROSS SECTIONS

REVISIONS		
SHEET NO.	DATE	REVISED

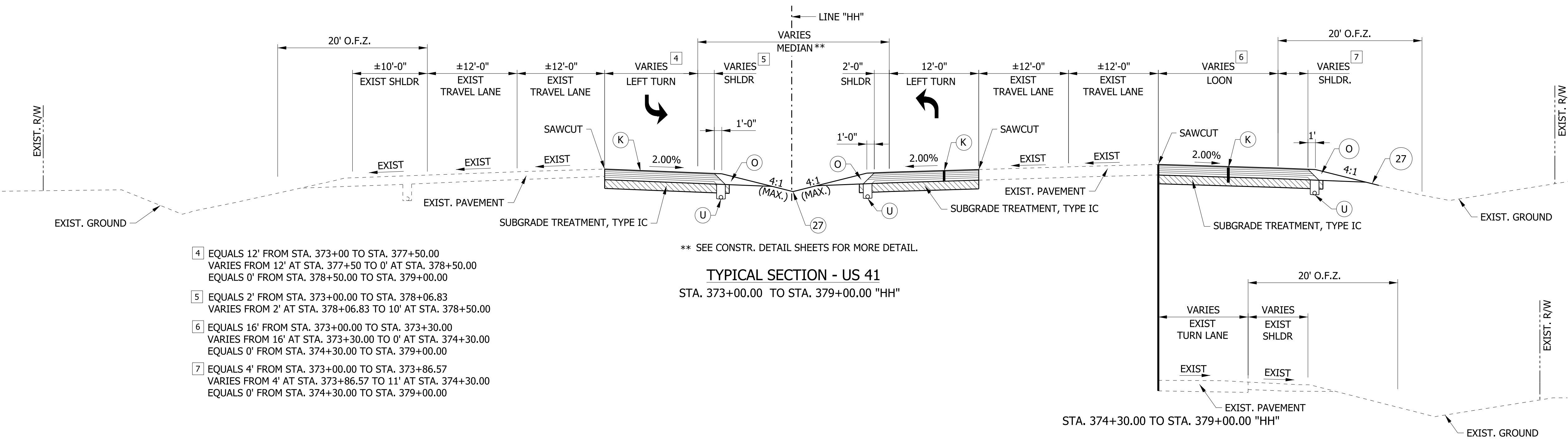
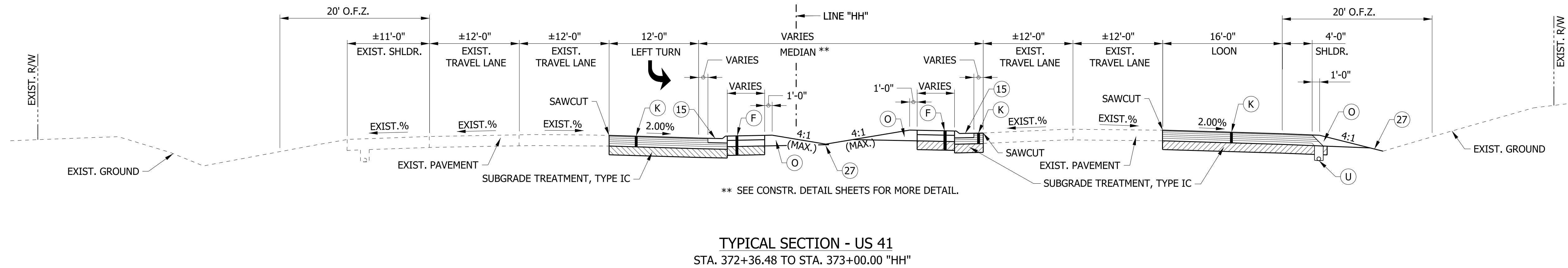


RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE		BRIDGE FILE	
DESIGNED: LDW	DRAWN: JEC	N/A		DESIGNATION	
CHECKED: MAE	CHECKED: LDW	VERTICAL SCALE		2100059	
		N/A			
		SURVEY BOOK		SHEETS	
			2	of	61
		CONTRACT		PROJECT	
		R-43688		2100059	



LEGEND

- (F) PCCP, 9 IN. WITH D-1 JOINTS SPACE AT 15 FT. ON VARIABLE DEPTH (15.5 IN.) COMPACTED AGGREGATE NO. 53, ON SUBGRADE TREATMENT, TYPE IC
- (K) HMA, FULL DEPTH RECONSTRUCTION: 165 LB/SYD QC/QA HMA, 3, 58H SURFACE, 9.5 MM, ON 275 LB/SYD QC/QA HMA, 3, 58H INTERMEDIATE, 19.0 MM, ON VARIABLE DEPTH UP TO 1100 LBS/SYD QC/QA HMA, 3, 58S, BASE 19.0 MM, ON 250 LB/SYD QC/QA HMA, 4, 58E, INTERMEDIATE, OG, 19.0 MM, ON 4 IN. COMPACTED AGGREGATE NO. 53
- (O) COMPACTED AGGREGATE NO. 53
- (U) UNDERDRAIN, TYPE 4, 6"
- (15) MOD. COMBINED CONC. CURB & GUTTER, TYPE B
- (27) MULCHED SEEDING R

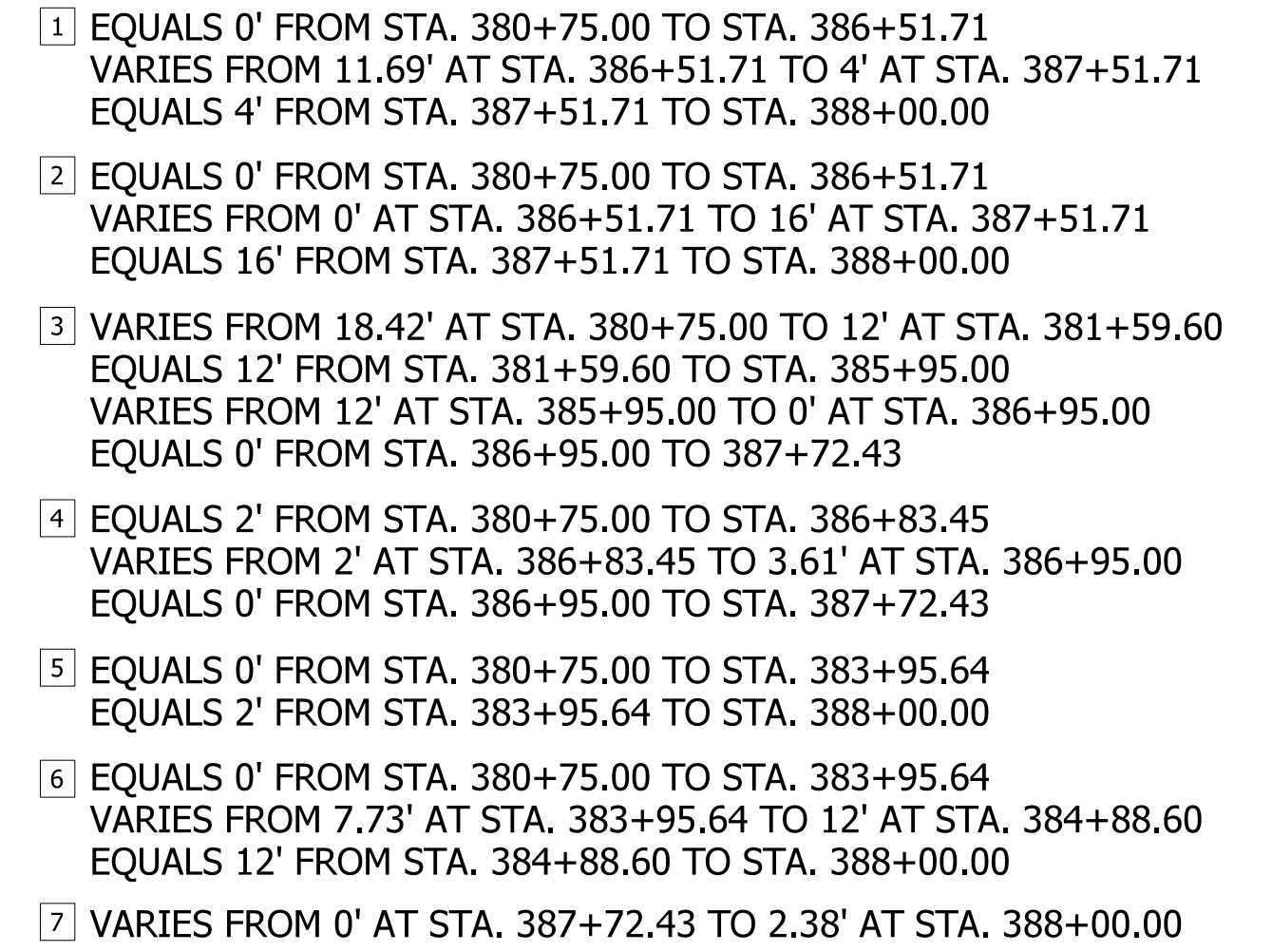
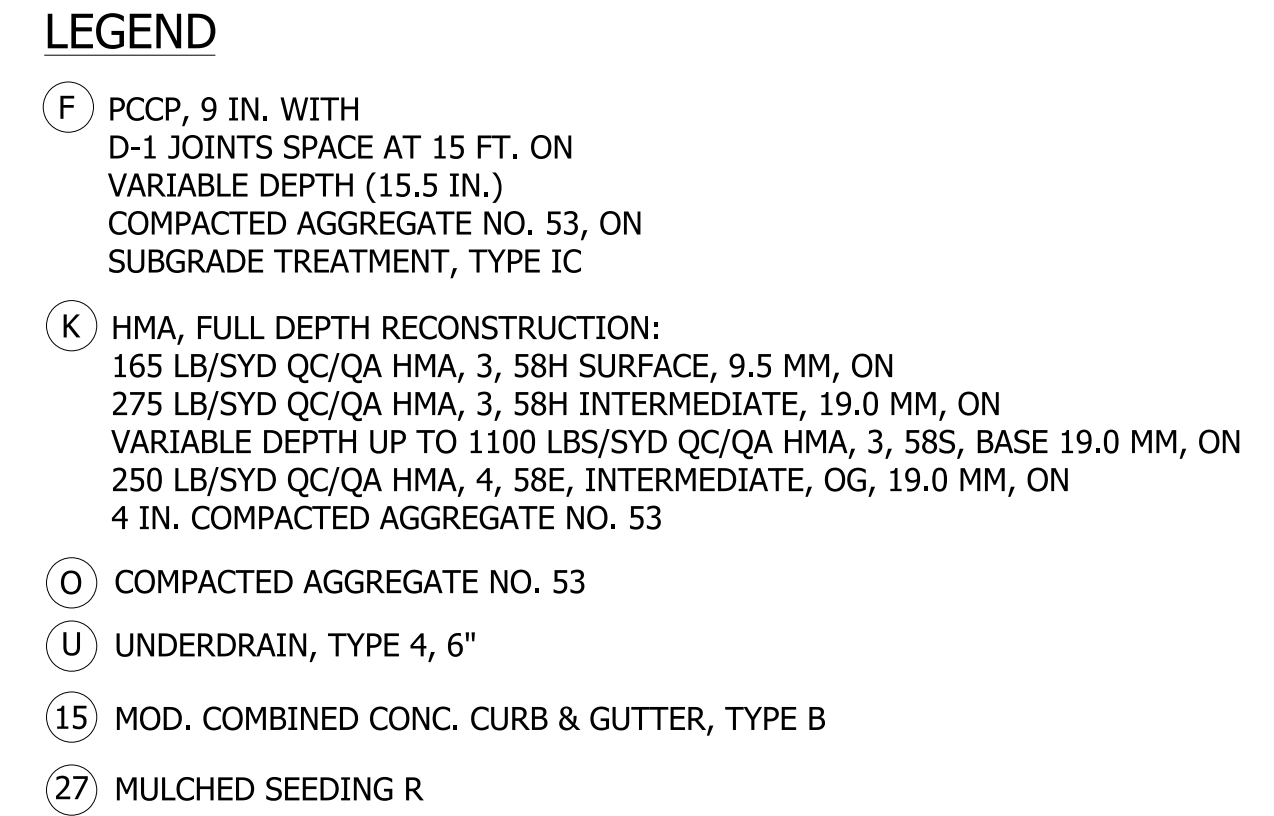


RECOMMENDED FOR APPROVAL	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: JWM

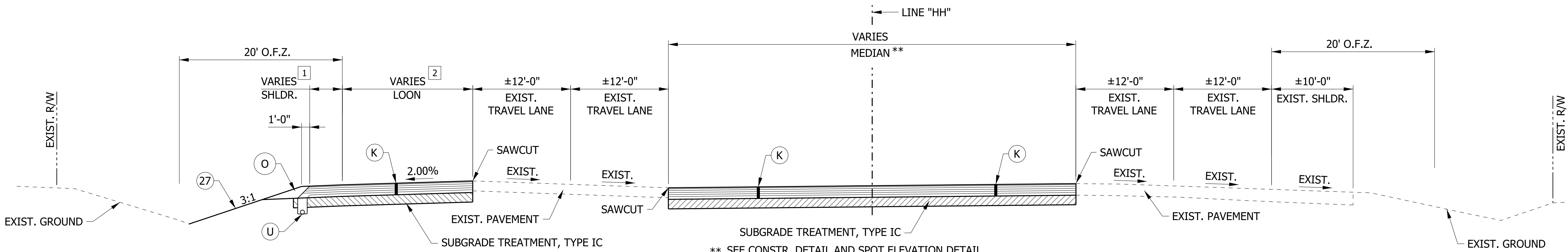
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/8"=1'-0"	
VERTICAL SCALE	DESIGNATION
1/8"=1'-0"	2100059
SURVEY BOOK	SHEETS
	3 of 61
CONTRACT	PROJECT
R-43688	2100059

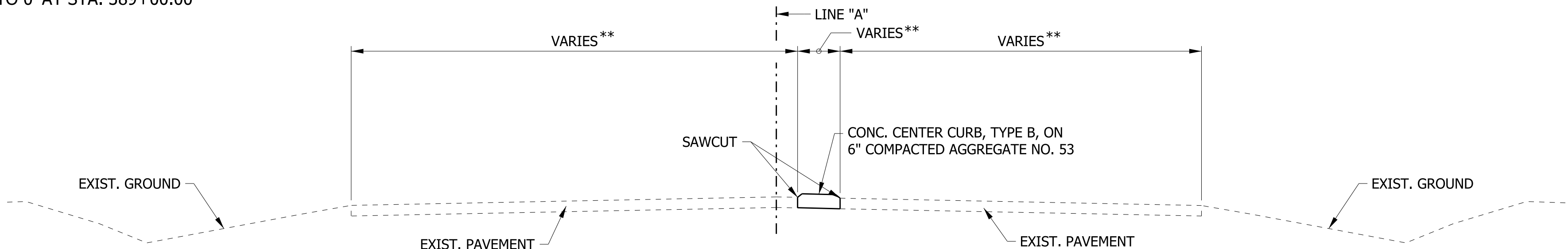


RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE	
			1/8" = 1'-0"		.	
			VERTICAL SCALE		DESIGNATION	
			1/8" = 1'-0"		2100059	
DESIGNED: LDW	DRAWN: JEC	TYPICAL SECTIONS	SURVEY BOOK		SHEETS	
			.		4	of 61
CHECKED: MAE	CHECKED: JWM		CONTRACT		PROJECT	
			R-43688		2100059	

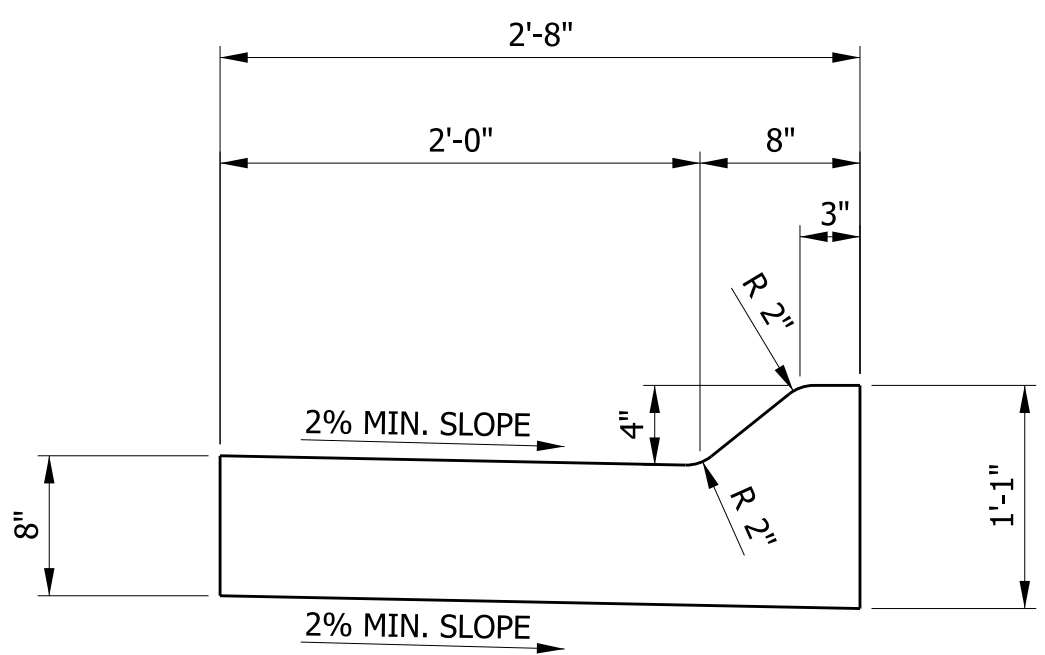


- 1 EQUALS 4' FROM STA. 380+75.00 TO STA. 388+80.12
VARIES FROM 4' AT STA. 388+80.12 TO 10.79' AT STA. 389+00.00
- 2 EQUALS 16' FROM STA. 388+36.11 TO STA. 388+50.00
VARIES FROM 16' AT STA. 388+50.00 TO 0' AT STA. 389+00.00

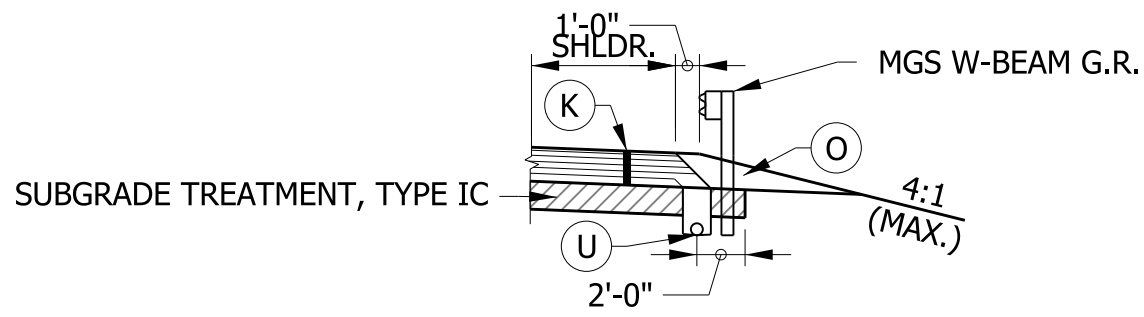
TYPICAL SECTION - US 41
STA. 388+36.11 TO STA. 389+00.00 "HH"



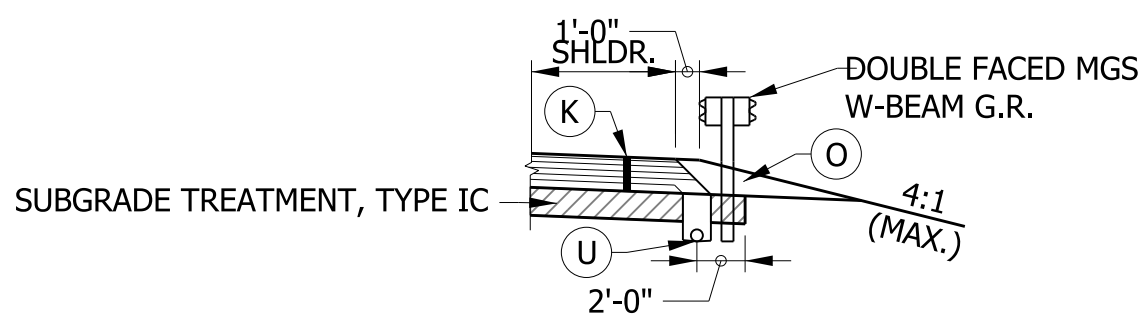
TYPICAL SECTION - SR 18 APPROACHES
STA. 407+45.06 TO STA. 407+81.77 "A"
STA. 409+12.47 TO STA. 408+50.07 "A"



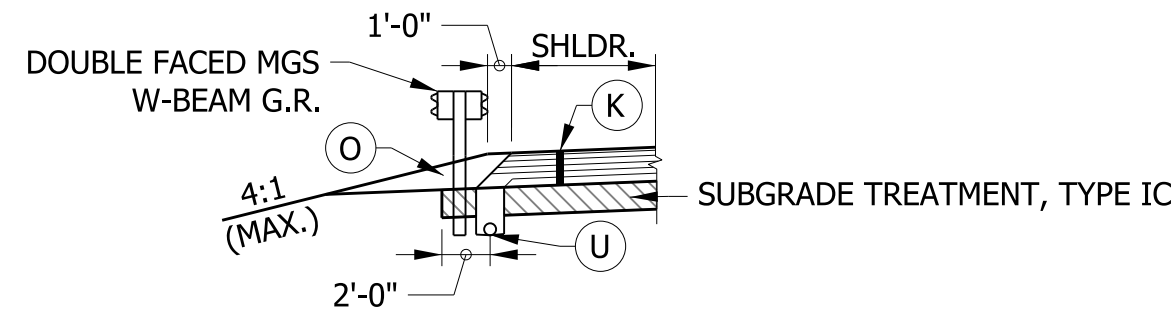
MODIFIED COMBINED CONCRETE CURB AND GUTTER, TYPE B DETAIL
SCALE: N.T.S.



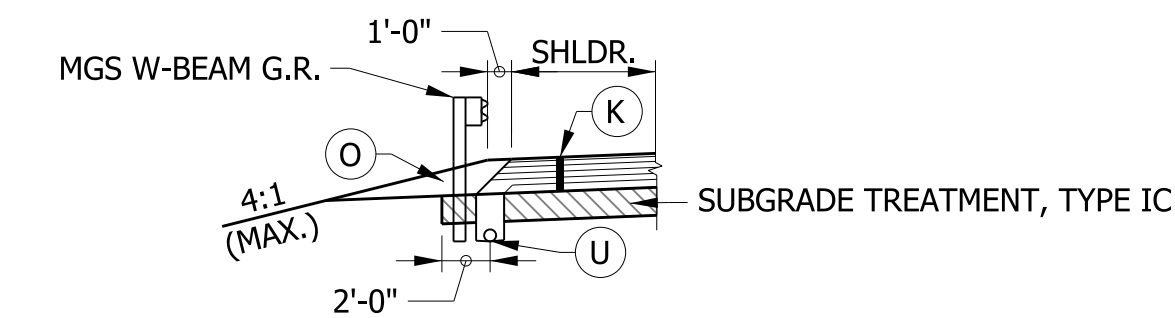
STA. 383+87.58 TO STA. 385+11.47 "HH"



STA. 385+11.47 TO STA. 385+61.60 "HH"



STA. 381+02.97 TO STA. 381+53.23 "HH"

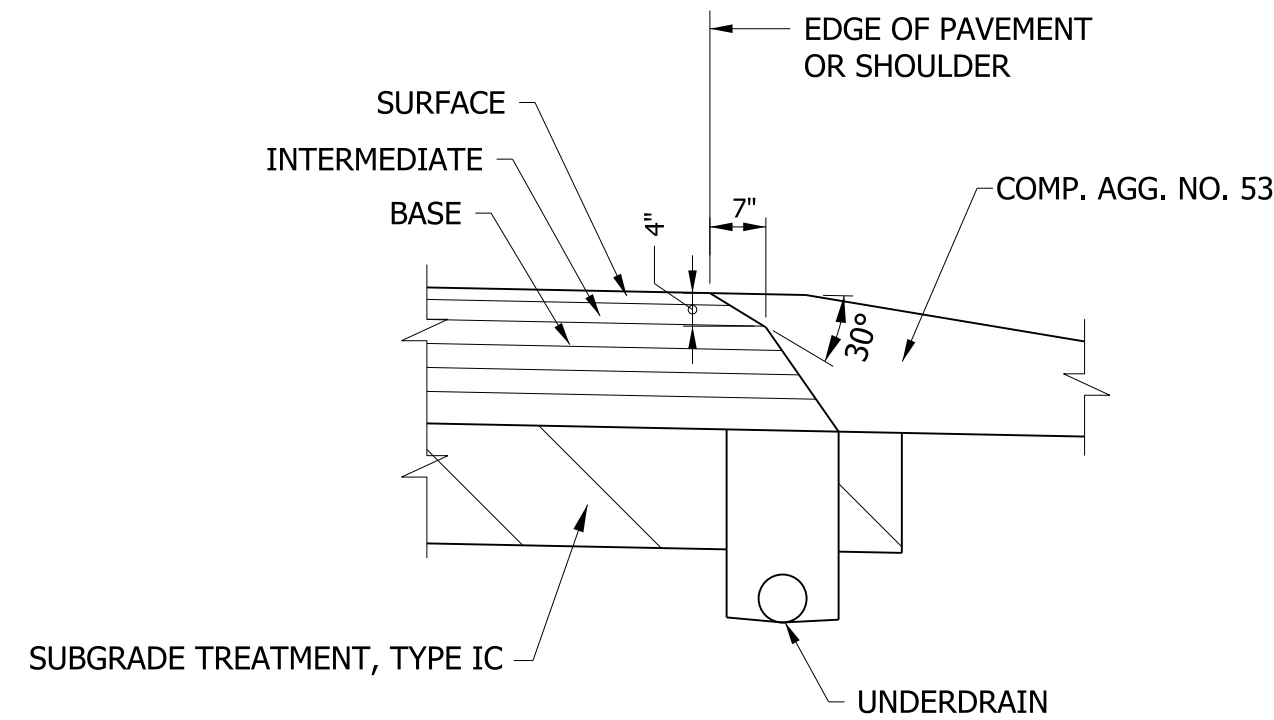


STA. 381+53.23 TO STA. 382+70.44 "HH"

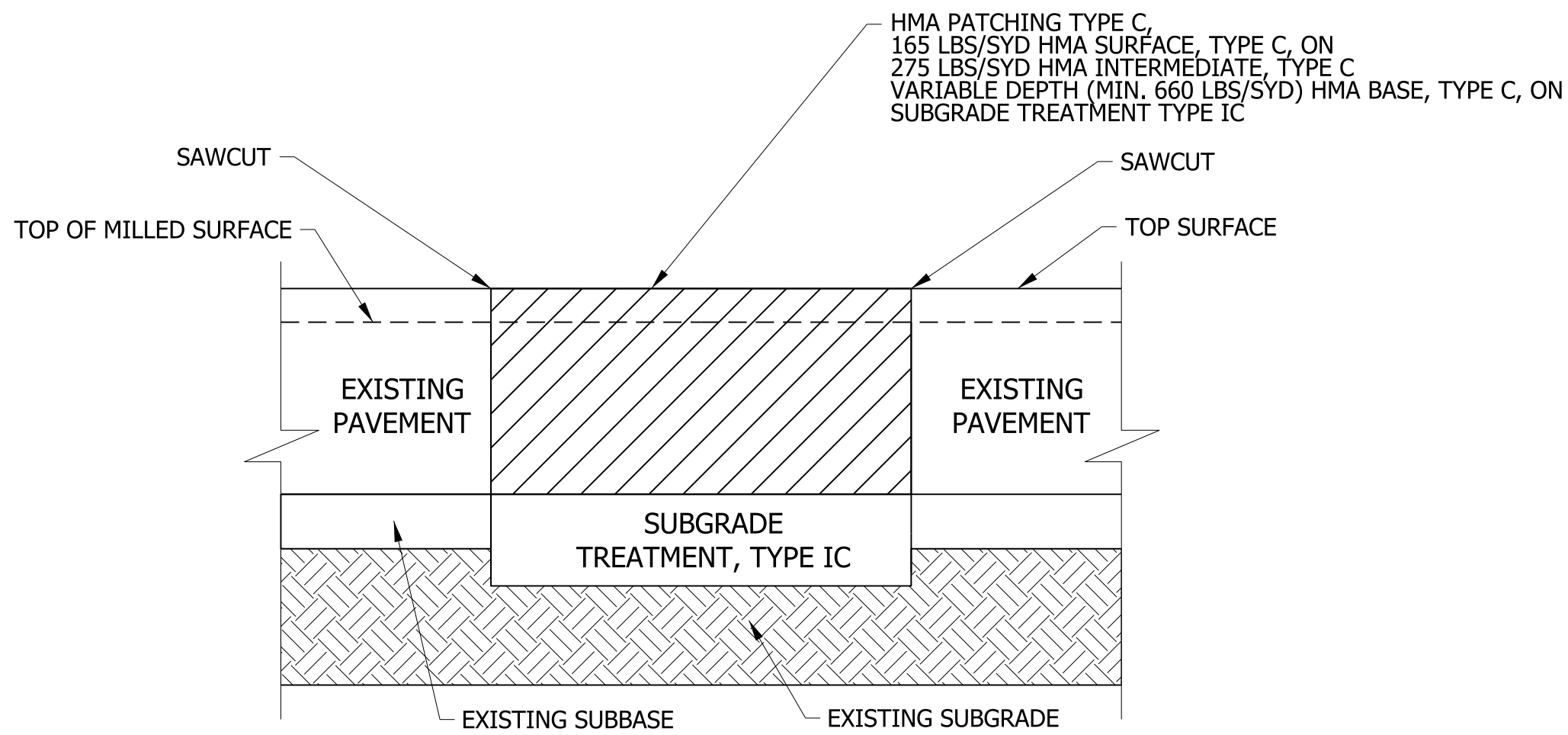
MEDIAN GUARDRAIL SECTIONS - US 41

LEGEND

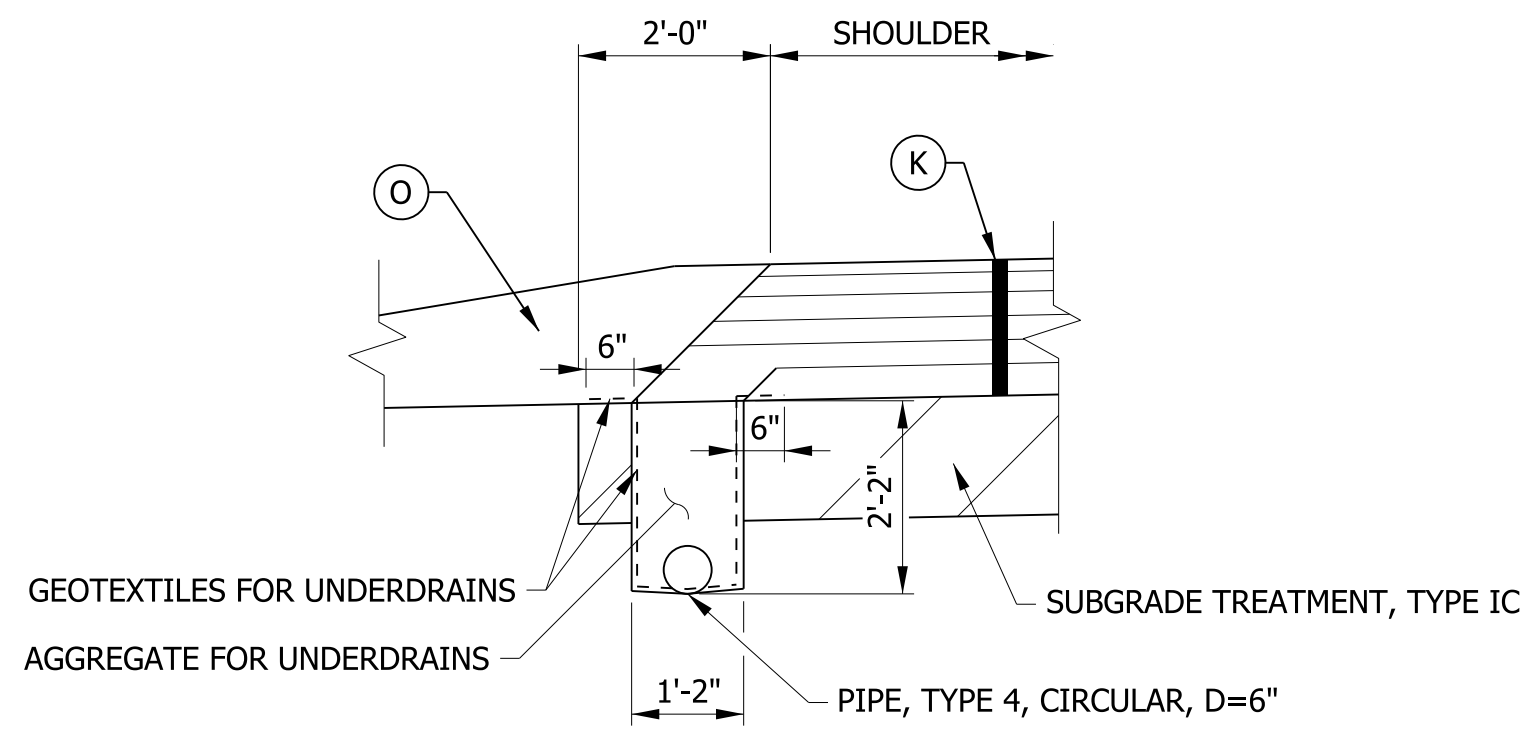
- (F) PCCP, 9 IN. WITH D-1 JOINTS SPACE AT 15 FT. ON VARIABLE DEPTH (15.5 IN.) COMPACTED AGGREGATE NO. 53, ON SUBGRADE TREATMENT, TYPE IC
- (K) HMA, FULL DEPTH RECONSTRUCTION: 165 LB/SYD QC/QA HMA, 3, 58H SURFACE, 9.5 MM, ON 275 LB/SYD QC/QA HMA, 3, 58H INTERMEDIATE, 19.0 MM, ON VARIABLE DEPTH UP TO 1100 LBS/SYD QC/QA HMA, 3, 58S, BASE 19.0 MM, ON 250 LB/SYD QC/QA HMA, 4, 58E, INTERMEDIATE, OG, 19.0 MM, ON 4 IN. COMPACTED AGGREGATE NO. 53
- (O) COMPACTED AGGREGATE NO. 53
- (U) UNDERDRAIN, TYPE 4, 6"
- (15) MOD. COMBINED CONC. CURB & GUTTER, TYPE B
- (27) MULCHED SEEDING R



SAFETY EDGE - HMA PAVEMENT
SCALE: N.T.S.



FULL DEPTH PATCHING DETAIL
SCALE: N.T.S.



UNDERDRAIN DETAIL FULL DEPTH HMA SHOULDER
SCALE: N.T.S.

RECOMMENDED FOR APPROVAL	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: LDW

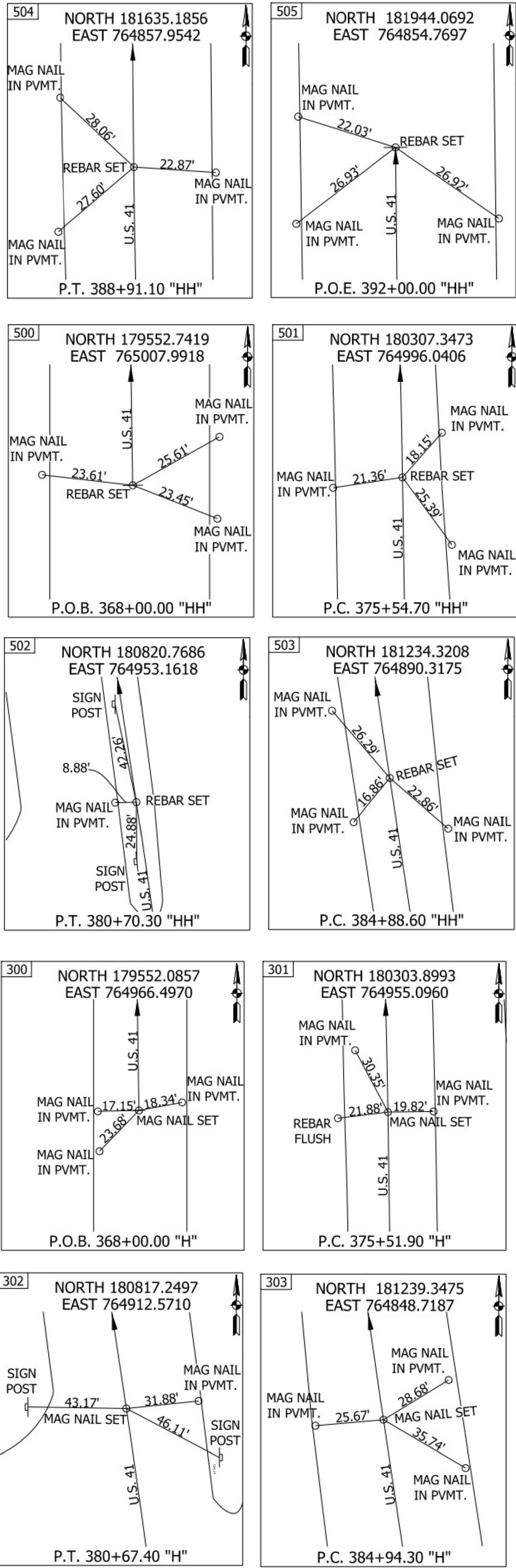
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'-0"	
VERTICAL SCALE	DESIGNATION
1/8" = 1'-0"	2100059
SURVEY BOOK	SHEETS
	5 of 61
CONTRACT	PROJECT
R-43688	2100059

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REFERENCE TIES



CURVE DATA
P.I. 386+95.88 "H"
Δ = 8°03'00" RT
R = 2864.79'
T = 201.58'
L = 402.50'
E = 7.08'

CURVE DATA
P.I. = 386+90.18 "HH"
Δ = 8°03'00" RT
R = 2864.79'
T = 201.58'
L = 402.50'
E = 7.08'

P.I. 386+95.88 "H"
N. 181438.6615
E. 764818.5677

P.I. 386+90.18 "HH"
N. 181433.6146
E. 764860.0324

CURVE DATA
P.I. 406+68.12 "A"
Δ = 13°07'00" RT
R = 3819.52'
T = 439.12'
L = 874.40'
E = 25.16'

CURVE DATA
P.I. 378+10.04 "H"
Δ = 7°44'00" LT
R = 3819.31'
T = 258.14'
L = 515.50'
E = 8.71'

CURVE DATA
P.I. 378+12.89 "HH"
Δ = 7°44'00" LT
R = 3820.05'
T = 258.19'
L = 515.60'
E = 8.72'

CURVE DATA
P.I. 417+54.10 "A"
Δ = 27°29'00" LT
R = 572.89'
T = 140.10'
L = 274.80'
E = 16.88'

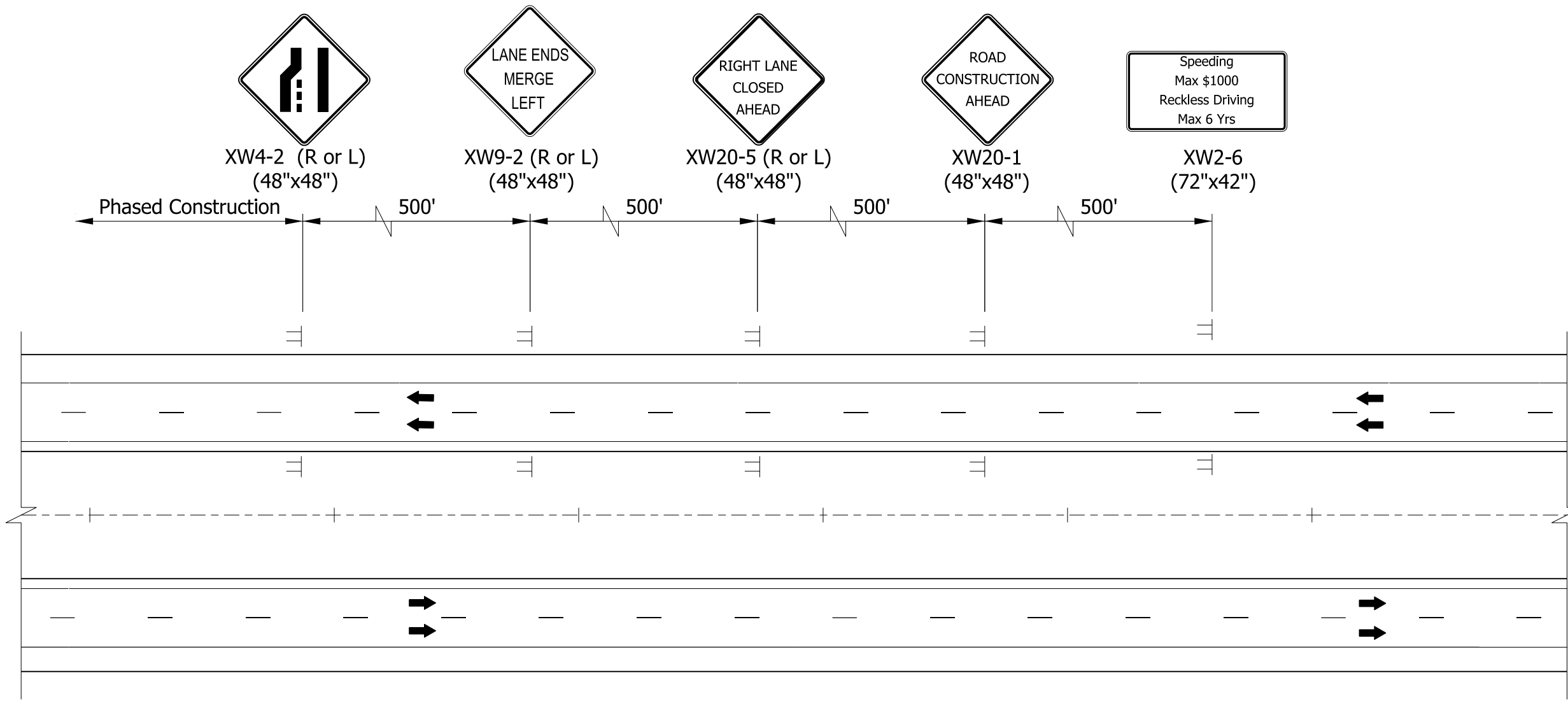
CURVE DATA
P.I. 419+02.03 "PR-A"
Δ = 31°09'00" LT
R = 1640.42'
T = 457.24'
L = 891.85'
E = 62.53'

BENCHMARK TABLE					
BENCHMARK NO.	NORTHING	EASTING	ELEVATION (NAVD88)	STATION	OFFSET
TBM 1	181801.1593	764913.9101	786.526	390+56.49	57.66' RT.
TBM 2	181315.0117	764878.4377	780.818	385+70.15	0.78' LT.
TBM 3	180301.4579	764938.6051	785.149	375+49.72	57.52' LT.

RECOMMENDED FOR APPROVAL	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: JWM

INDIANA DEPARTMENT OF TRANSPORTATION	
SURVEY CONTROL	

HORIZONTAL SCALE	BRIDGE FILE	
1"=100'		
VERTICAL SCALE	DESIGNATION	
N/A	2100059	
SURVEY BOOK	SHEETS	
	6	of 61
CONTRACT	PROJECT	
R-43688	2100059	

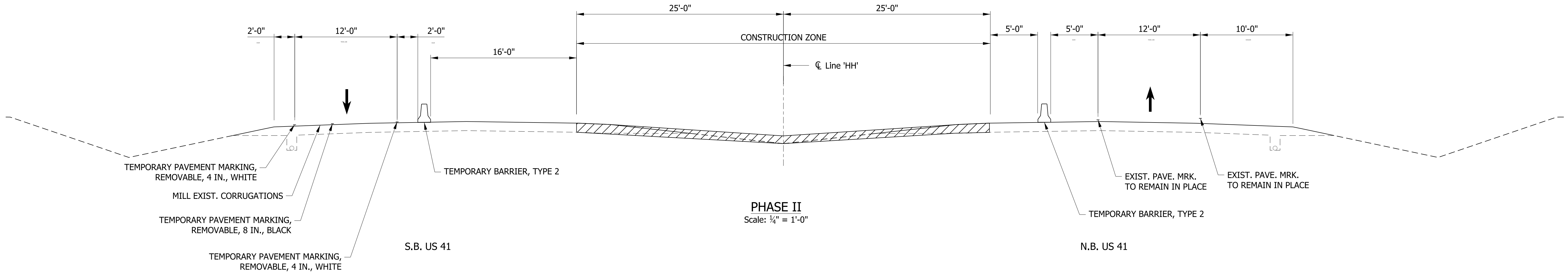
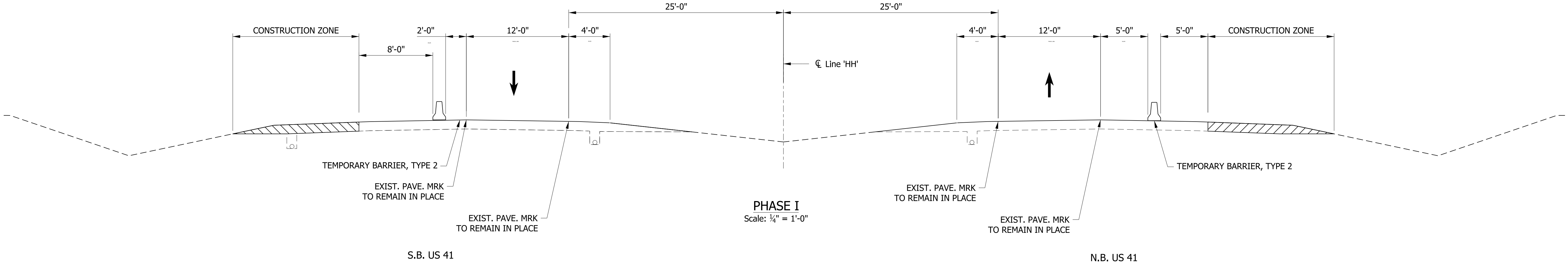


ADVANCED SIGNING PLAN

RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER _____	DATE _____
DESIGNED: LDW _____	DRAWN: SWB _____
CHECKED: MAE _____	CHECKED: LDW _____

INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE		BRIDGE FILE	
	N/A		.	
	VERTICAL SCALE		DESIGNATION	
ADVANCED SIGNING PLAN	N/A		2100059	
	SURVEY BOOK		SHEETS	
	.		7	of 61
	CONTRACT		PROJECT	
	R-43688		2100059	

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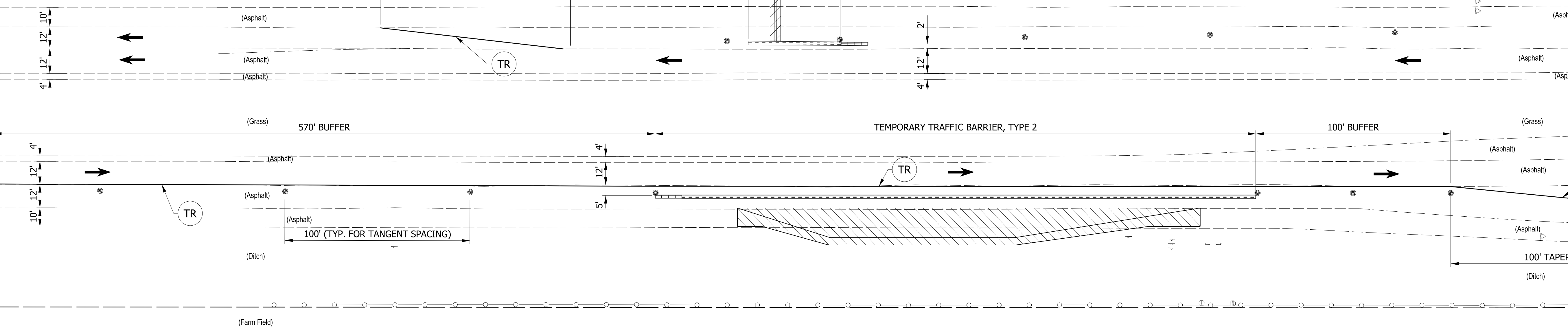
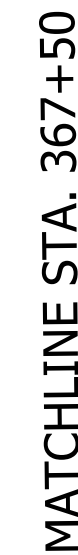
- PHASE I SUMMARY DESCRIPTION
- US 41 IS REDUCED TO A SINGLE LANE IN EACH DIRECTION
 - US 41 TRAFFIC IS PUSHED TO THE MEDIAN LANE TO ALLOW FOR THE CONSTRUCTION OF THE LOONS
 - PORTIONS OF PROPOSED DRAINAGE STRUCTURE ARE INSTALLED UNDER SB US 41
- PHASE II SUMMARY DESCRIPTION
- US 41 IS REDUCED TO A SINGLE LANE IN EACH DIRECTION
 - US 41 TRAFFIC IS PUSHED TO THE OUTSIDE LANE TO ALLOW FOR THE CONSTRUCTION OF THE MEDIAN DIRECT LEFTS
 - SR 18 IS CLOSED FOR THE CONSTRUCTION OF THE RAISED CENTER CURB AND CULVERT REPLACEMENTS
 - THE REMAINING DRAINAGE STRUCTURES ARE INSTALLED

- NOTES
1. CONSTRUCTION ZONE DESIGN SPEED: 60 MPH
 2. EXISTING PAVEMENT MARKINGS TO BE LEFT IN PLACE.

RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: JWM

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS	

HORIZONTAL SCALE	BRIDGE FILE	
AS NOTED	.	
VERTICAL SCALE	DESIGNATION	
AS NOTED	2100059	
SURVEY BOOK	SHEETS	
.	8	of 61
CONTRACT	PROJECT	
R-43688	2100059	



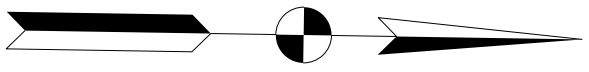
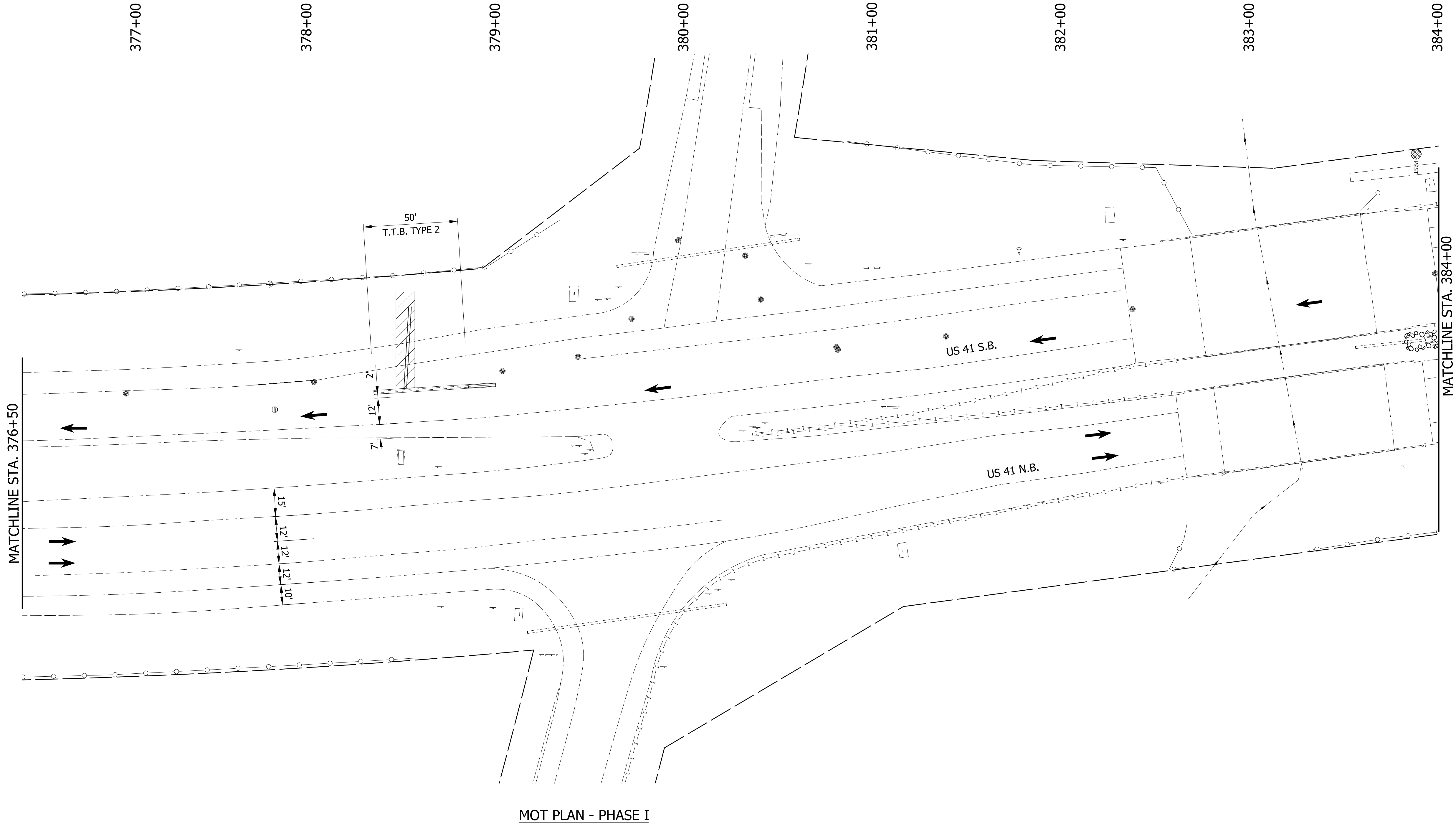
MOT PLAN - PHASE 1

SEE SURVEY CONTROL SHEET FOR ALIGNMENT DATA & INFORMATION.

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: LDW _____		DRAWN:SWB _____	
CHECKED: MAE _____		CHECKED: LDW _____	

HORIZONTAL SCALE	BRIDGE FILE		
1" = 30'	.		
VERTICAL SCALE	DESIGNATION		
NA	2100059		
SURVEY BOOK	SHEETS		
.	10	of	61
CONTRACT	PROJECT		
R-43688	2100059		

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MOT PLAN - PHASE I

SEE SURVEY CONTROL SHEET FOR ALIGNMENT DATA & INFORMATION.

LEGEND

- Flashing Arrow Sign
- Standard Drum (Spa. @ 100', 50' on Tapers)
- Existing Pavement Marking Removal
- Construction Sign
- Indicates Area to be Constructed this Phase
- Temporary Pavement Marking, Removable, 4 IN., White
- Energy Absorbing Impact Attenuator
- Temporary Pavement Marking, Removable, 8 IN., Black

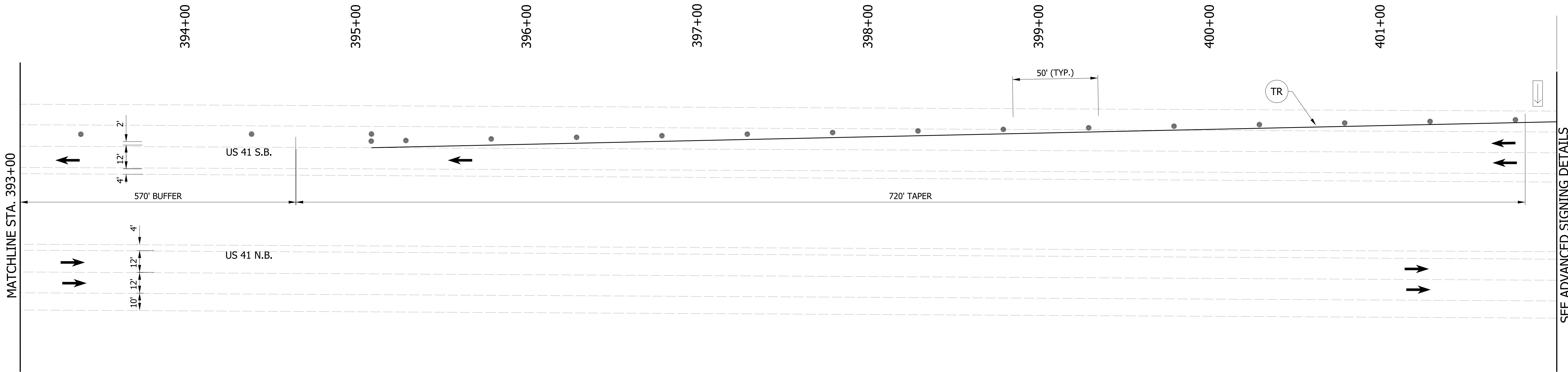
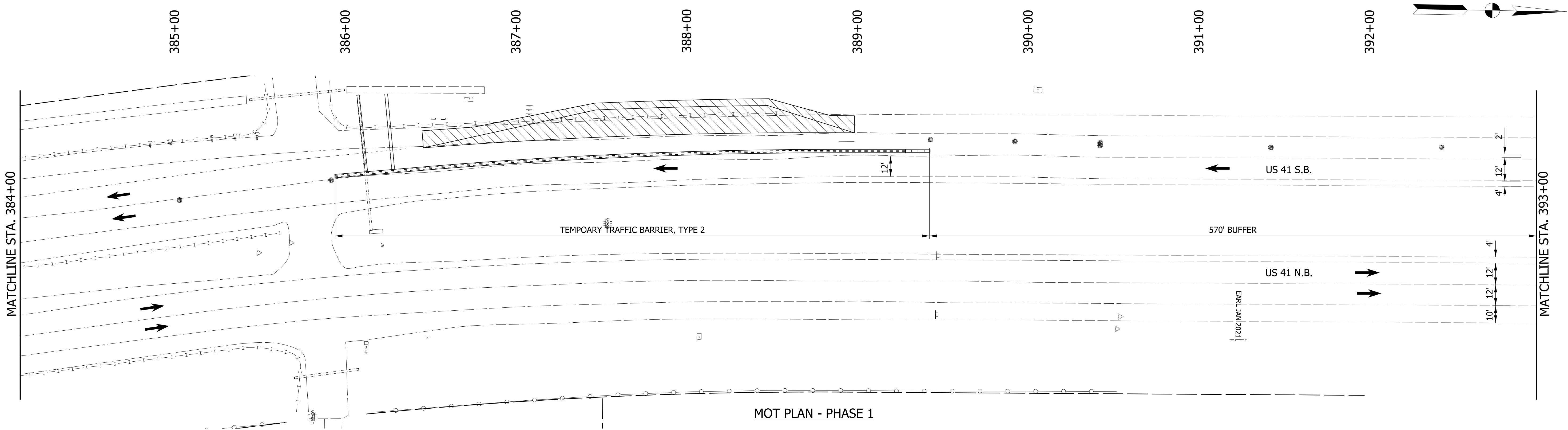
RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: SWB
CHECKED: MAE	CHECKED: LDW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE	
VERTICAL SCALE NA	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
CONTRACT R-43688	11 of	61
	PROJECT 2100059	

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NOTES:
SEE SURVEY CONTROL SHEET FOR ALIGNMENT DATA & INFORMATION.

LEGEND

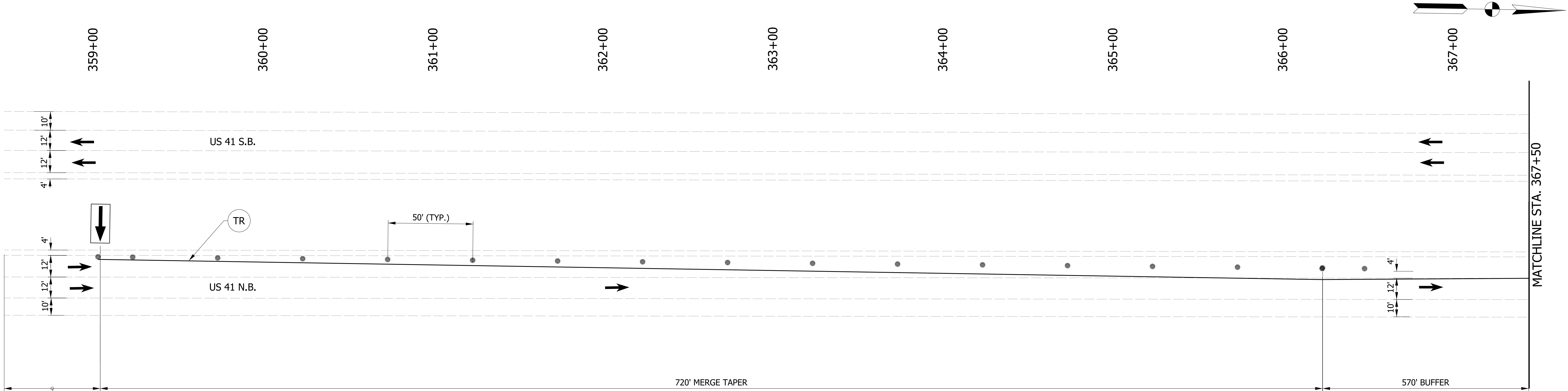
- Flashing Arrow Sign
- Standard Drum (Spa. @ 90, 45' on Tapers)
- Existing Pavement Marking Removal
- Construction Sign
- Indicates Area to be Constructed this Phase
- Temporary Pavement Marking, Removable, 4 IN., White
- Energy Absorbing Impact Attenuator
- Temporary Pavement Marking, Removable, 8 IN., Black

RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER _____	DATE _____
DESIGNED: LDW _____	DRAWN: SWB _____
CHECKED: MAE _____	CHECKED: LDW _____

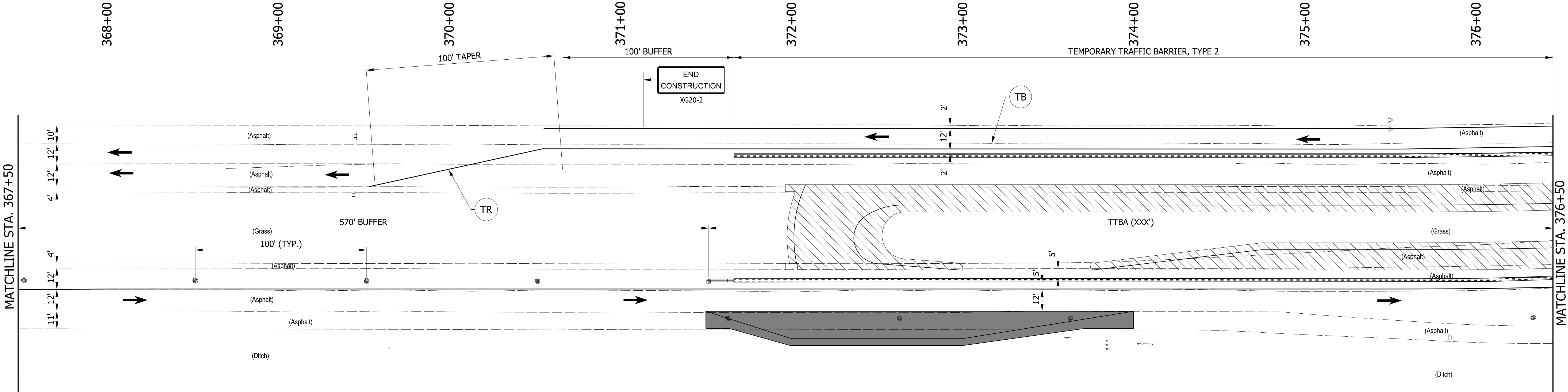
INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PHASE I	

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE	
VERTICAL SCALE NA	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
CONTRACT R-43688	12 of 61	PROJECT 2100059

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MOT PLAN - PHASE II



MOT PLAN - PHASE II

NOTES:
SEE SURVEY CONTROL SHEET FOR ALIGNMENT DATA & INFORMATION.

LEGEND

- Flashing Arrow Sign
- Standard Drum (Spa. @ 100', 50' on Tapers)
- ✕

 Existing Pavement Marking Removal
- ⏏

 Construction Sign
- ▨

 Indicates Area to be Constructed this Phase
- TR

 Temporary Pavement Marking, Removable, 4 IN., White
- ≡≡≡

 Energy Absorbing Impact Attenuator
- TB

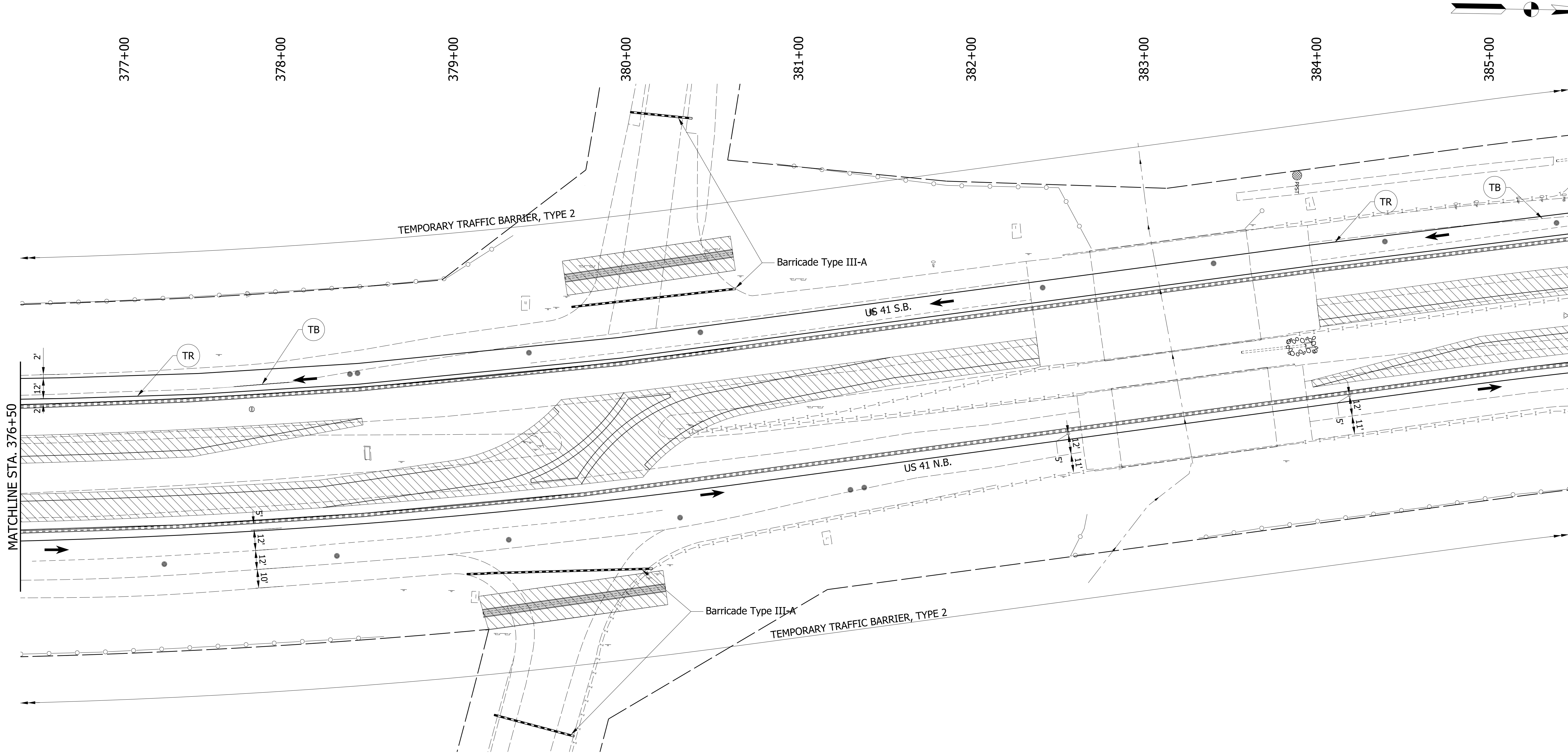
 Temporary Pavement Marking, Removable, 8 IN., Black
- Constructed in Previous Phase

RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: SWB
CHECKED: MAE	CHECKED: LDW

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PHASE II	

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE	
VERTICAL SCALE NA	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
CONTRACT R-43688	13 of 61	PROJECT 2100059

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MOT PLAN - PHASE II

SEE SURVEY CONTROL SHEET FOR ALIGNMENT DATA & INFORMATION.

LEGEND

- | | | |
|--|---|---|
| Flashing Arrow Sign | Construction Sign | Energy Absorbing Impact Attenuator |
| Standard Drum (Spa. @ 100', 50' on Tapers) | Indicates Area to be Constructed this Phase | Temporary Pavement Marking, Removable, 8 IN., Black |
| Existing Pavement Marking Removal | Temporary Pavement Marking, Removable, 4 IN., White | Constructed in Previous Phase |

RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: SWB
CHECKED: MAE	CHECKED: LDW
DESIGN ENGINEER _____ DATE _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE	
VERTICAL SCALE NA	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
CONTRACT R-43688	14 of 61	PROJECT 2100059



LEGEND

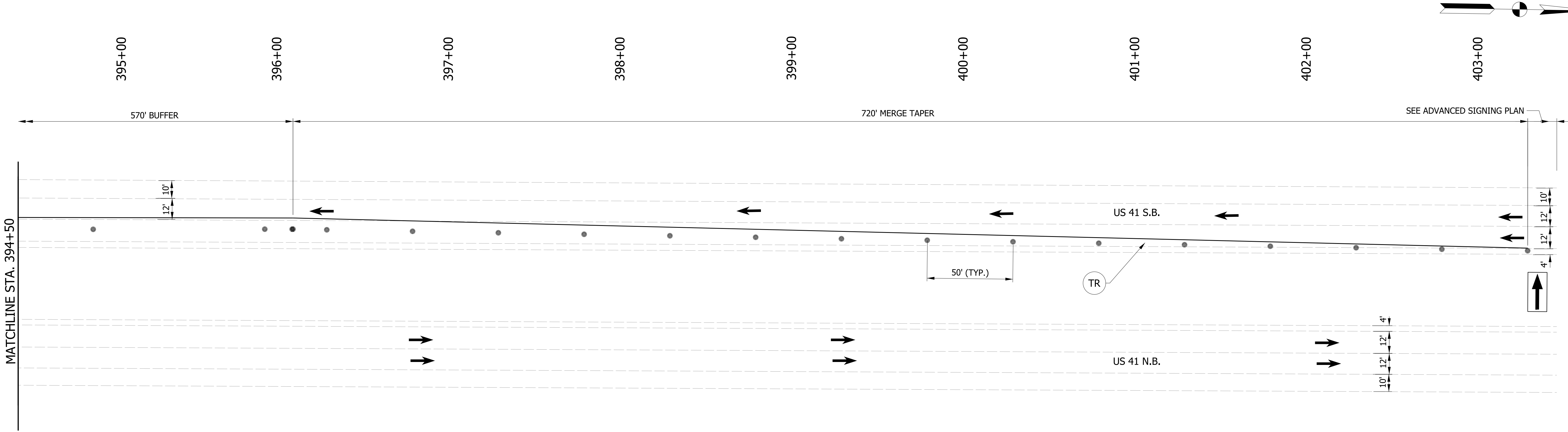
- | | | | | | |
|---|--|---|---|--|---|
|  | Flashing Arrow Sign |  | Construction Sign |  | Energy Absorbing Impact Attenuator |
|  | Standard Drum (Spa. @ 100', 50' on Tapers) |  | Indicates Area to be Constructed this Phase |  | Temporary Pavement Marking, Removable, 8 IN., Black |
|  | Existing Pavement Marking Removal |  | Temporary Pavement Marking, Removable, 4 IN., White |  | Constructed in Previous Phase |

RECOMMENDED FOR APPROVAL		
	DESIGN ENGINEER	DATE
DESIGNED: LDW	DRAWN: SWB	
CHECKED: MAE	CHECKED: LDW	

MAINTENANCE OF TRAFFIC PHASE II

HORIZONTAL SCALE	BRIDGE FILE		
1" = 30'	.		
VERTICAL SCALE	DESIGNATION		
NA	2100059		
SURVEY BOOK	SHEETS		
.	15	of	61
CONTRACT	PROJECT		
R-43688	2100059		

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MOT PLAN - PHASE II

SEE SURVEY CONTROL SHEET FOR ALIGNMENT DATA & INFORMATION.

LEGEND

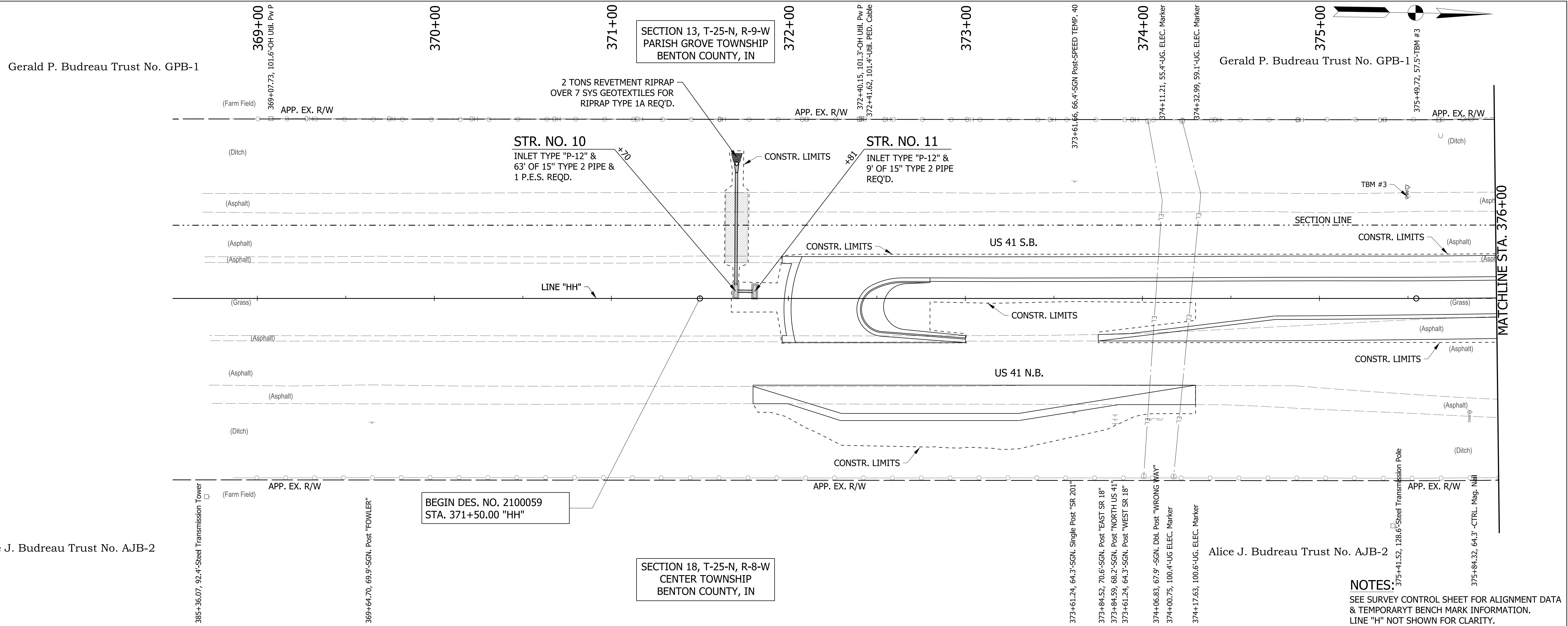
- Flashing Arrow Sign
- Standard Drum (Spa. @ 100', 50' on Tapers)
- Existing Pavement Marking Removal
- Construction Sign
- Indicates Area to be Constructed this Phase
- Temporary Pavement Marking, Removable, 4 IN., White
- Energy Absorbing Impact Attenuator
- Temporary Pavement Marking, Removable, 8 IN., Black
- Constructed in Previous Phase

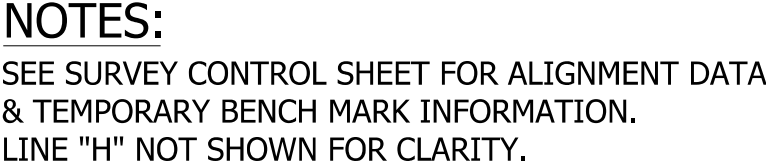
RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: SWB
CHECKED: MAE	CHECKED: LDW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE	
VERTICAL SCALE NA	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
CONTRACT R-43688	16 of	61
	PROJECT 2100059	

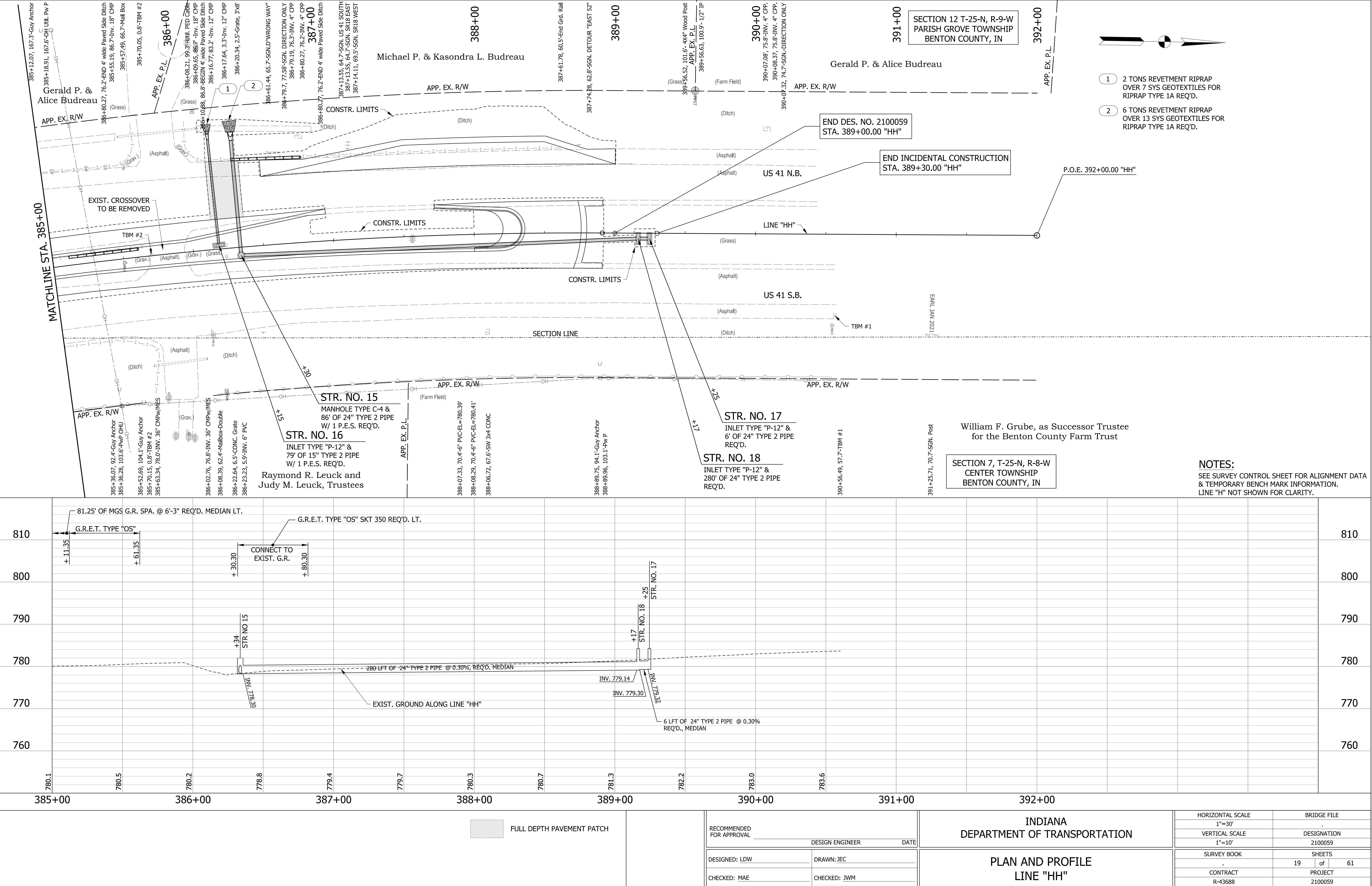
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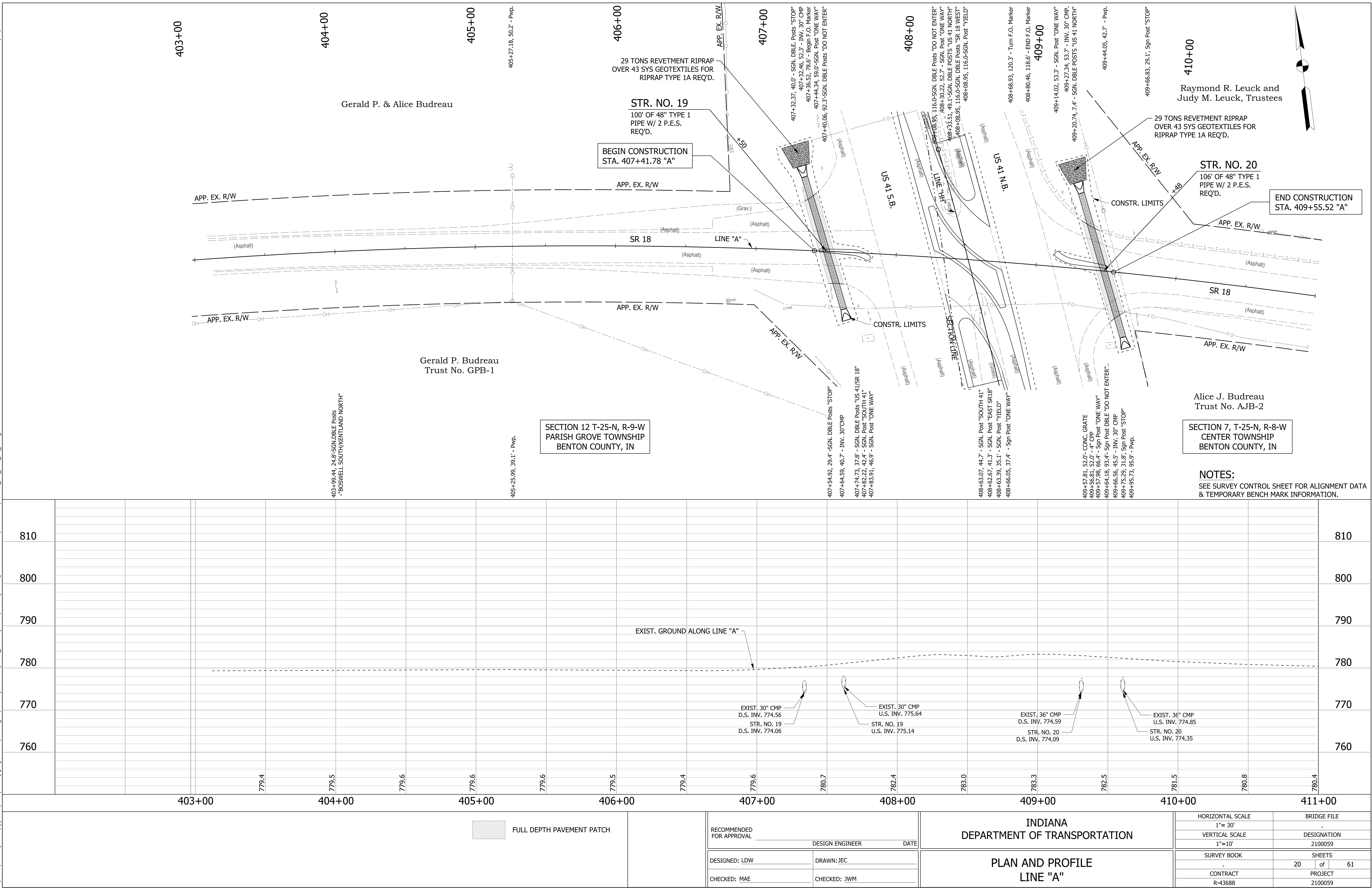


INDIANA
DEPARTMENT OF TRANSPORTATION

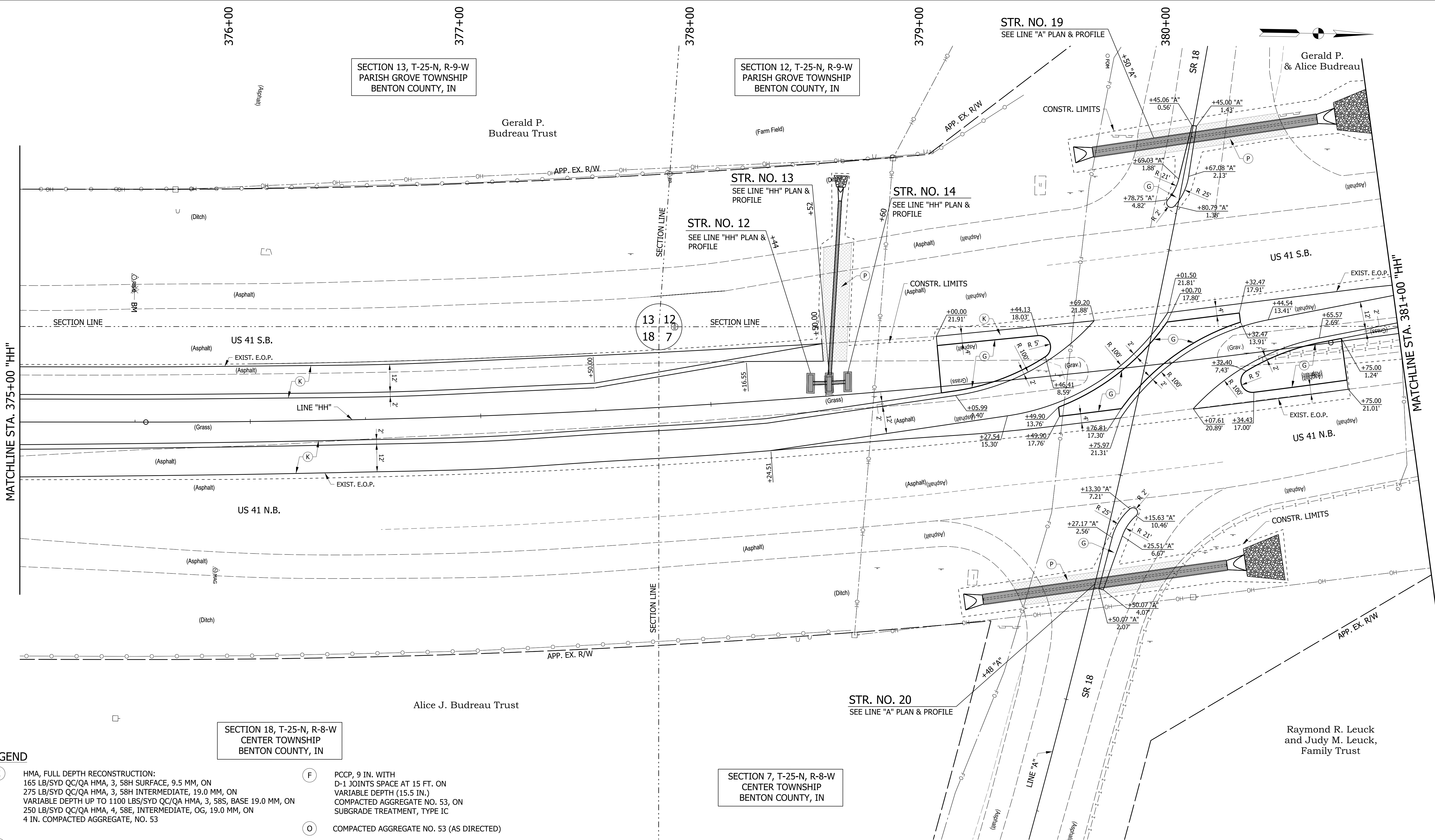
PLAN AND PROFILE
LINE "HH"

HORIZONTAL SCALE	BRIDGE FILE		
1"=30'	.		
VERTICAL SCALE	DESIGNATION		
1"=10'	2100059		
SURVEY BOOK	SHEETS		
.	18	of	61
CONTRACT	PROJECT		
R-43688	2100059		





HORIZONTAL SCALE 1"=20'	BRIDGE FILE		
VERTICAL SCALE N/A	DESIGNATION 2100059		
SURVEY BOOK	SHEETS		
.	21	of	61
CONTRACT R-43688	PROJECT 2100059		



LEGEND

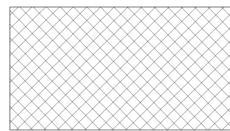
- (K) HMA, FULL DEPTH RECONSTRUCTION:
165 LB/SYD QC/QA HMA, 3, 58H SURFACE, 9.5 MM, ON
275 LB/SYD QC/QA HMA, 3, 58H INTERMEDIATE, 19.0 MM, ON
VARIABLE DEPTH UP TO 1100 LBS/SYD QC/QA HMA, 3, 58S, BASE 19.0 MM, ON
250 LB/SYD QC/QA HMA, 4, 58E, INTERMEDIATE, OG, 19.0 MM, ON
4 IN. COMPACTED AGGREGATE, NO. 53

(P) FULL DEPTH PAVEMENT PATCH: TBD
- (F) PCCP, 9 IN. WITH
D-1 JOINTS SPACE AT 15 FT. ON
VARIABLE DEPTH (15.5 IN.)
COMPACTED AGGREGATE NO. 53, ON
SUBGRADE TREATMENT, TYPE IC

(O) COMPACTED AGGREGATE NO. 53 (AS DIRECTED)

(15) MOD. COMBINED CONCRETE CURB & GUTTER

(G) CENTER CURB, TYPE B

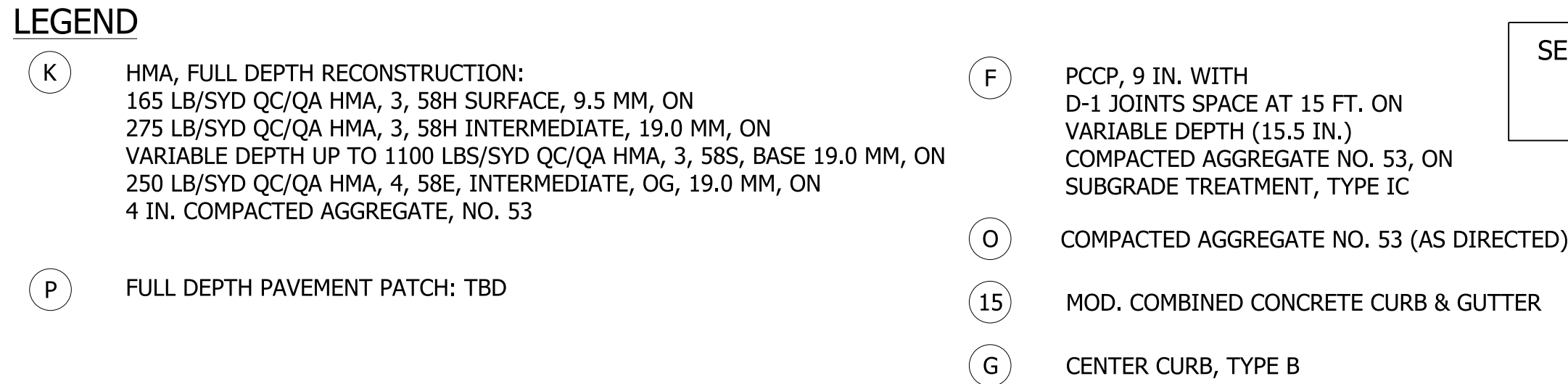
 FULL DEPTH PAVEMENT PATCH

NOTES:
SEE SURVEY CONTROL SHEET FOR ALIGNMENT DATA
& TEMPORARY BENCH MARK INFORMATION.
LINE "H" NOT SHOWN FOR CLARITY.

RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: JWM

INDIANA DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION DETAILS LINE "HH"	

HORIZONTAL SCALE 1"=20'	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 2100059
SURVEY BOOK	SHEETS
CONTRACT R-43688	22 of 61 PROJECT 2100059



FULL DEPTH PAVEMENT PATCH

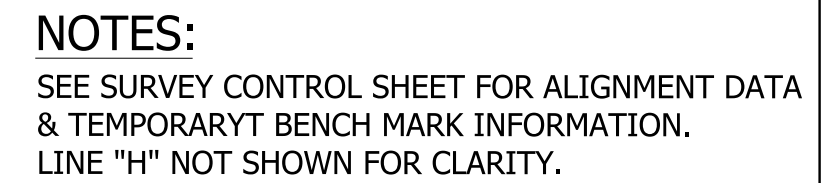
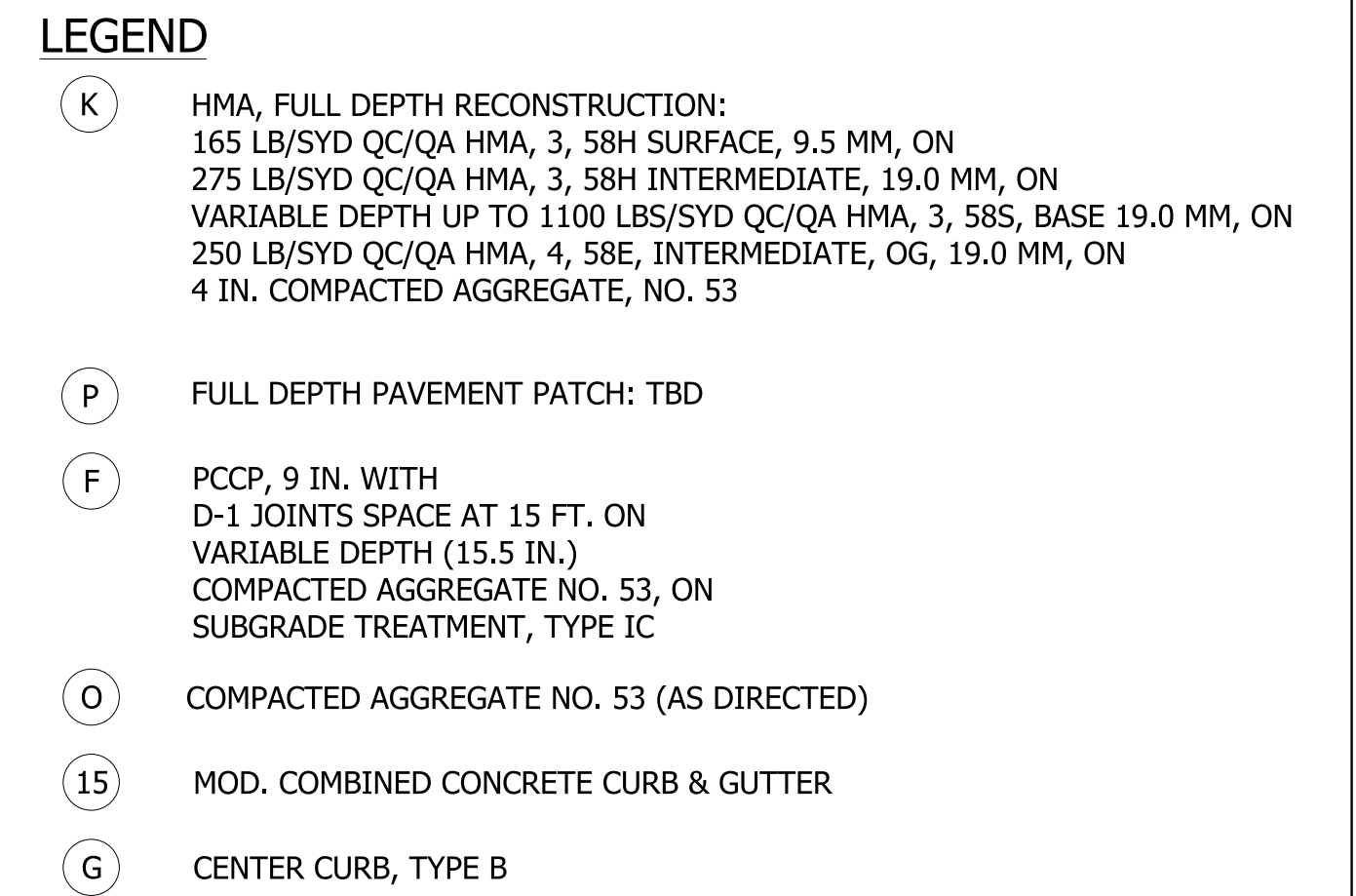
DESIGNED: _____	DRAWN: _____
CHECKED: _____	CHECKED: _____

CONSTRUCTION DETAILS

LINE "HH"

HORIZONTAL SCALE	BRIDGE FILE		
1"=20'	.		
VERTICAL SCALE	DESIGNATION		
N/A	2100059		
SURVEY BOOK	SHEETS		
.	23	of	61
CONTRACT	PROJECT		
R-43688	2100059		

NOTES:
SEE SURVEY CONTROL SHEET FOR ALIGNMENT DATA
& TEMPORARY BENCH MARK INFORMATION.
LINE "H" NOT SHOWN FOR CLARITY.



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LDW	DRAWN: JEC	
CHECKED: MAE	CHECKED: JWM	

CONSTRUCTION DETAILS

LINE "HH"

HORIZONTAL SCALE		BRIDGE FILE	
1"=20'		.	
VERTICAL SCALE		DESIGNATION	
N/A		2100059	
SURVEY BOOK		SHEETS	
.		24	61
CONTRACT		PROJECT	
R-43688		2100059	

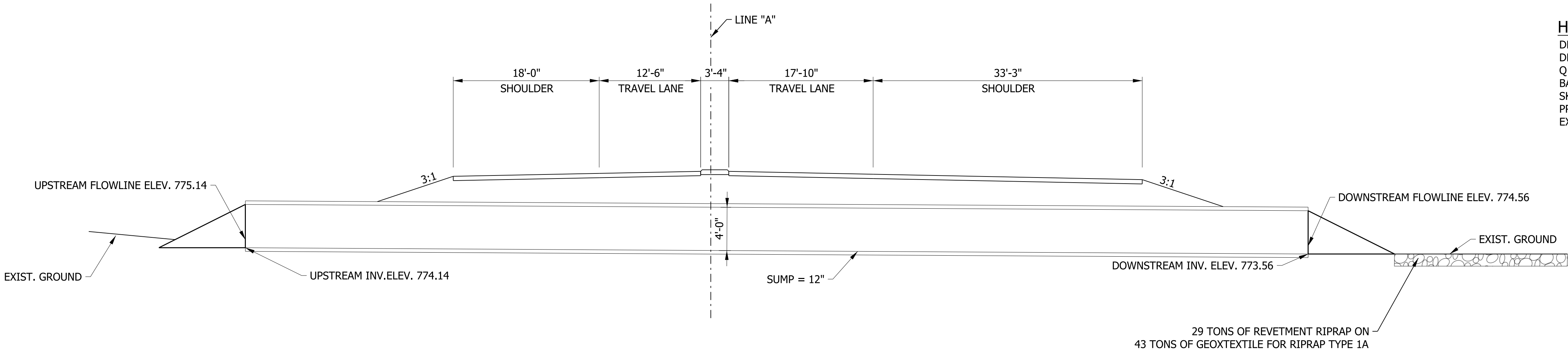
DESIGN DATA

STRUCTURE SHALL BE DESIGNED FOR HL-93 LOADING, IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS NINTH EDITION, 2020 (LRFD 9) AND SUBSEQUENT INTERIM.

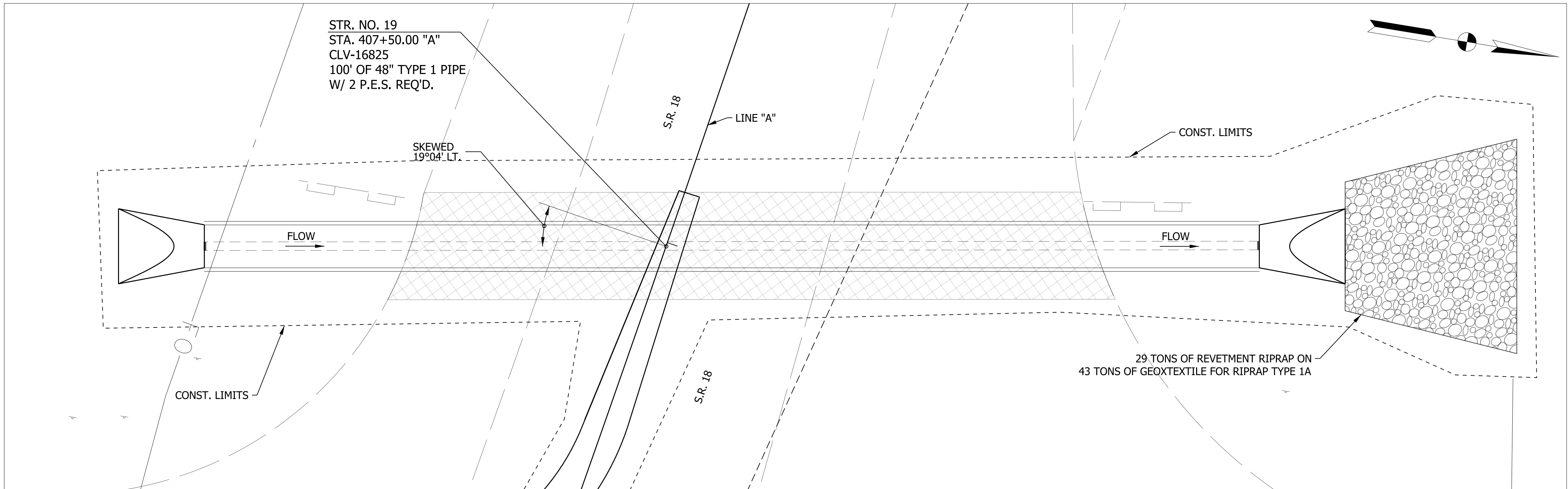
DEAD LOAD INCREASED 35 psf FOR FUTURE WEARING SURFACE.

HYDRAULIC DATA

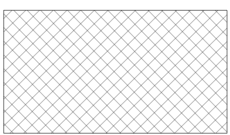
DRAINAGE AREA	= 19.83	acres
DESIGN DISCHARGE Q100	= 55.33	cfs
Q100 ELEVATION	= 779.20	ft.
BACKWATER AT Q100	= 1.26	ft.
SKEW	= 19°04'	lt.
PROP. LOW STRUCTURE ELEV.	= 777.56	ft.
EXIST. BACKWATER	= 1.65	ft.



ELEVATION



PLAN



FULL DEPTH PAVEMENT PATCH

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

DATE

DESIGNED: LDW

DRAWN: JEC

CHECKED: MAE

CHECKED: JWM

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
CLV-16825

HORIZONTAL SCALE

3/32"=1'

VERTICAL SCALE

N/A

SURVEY BOOK

CONTRACT

R-43688

BRIDGE FILE

DESIGNATION

2100059

SHEETS

25

of

61

PROJECT

2100059

STRUCTURE SHALL BE DESIGNED FOR HL-93 LOADING, IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS NINTH EDITION, 2020 (LRFD 9) AND SUBSEQUENT INTERIM.

DEAD LOAD INCREASED 35 psf FOR FUTURE WEARING SURFACE.

DRAINAGE AREA	= 21.74	acres
DESIGN DISCHARGE Q100	= 68.97	cfs
Q100 ELEVATION	= 779.10	ft.
BACKWATER AT Q100	= 778.09	ft.
SKEW	= 21°39'	lt.
PROP. LOW STRUCTURE ELEV.	= 774.59	ft.
EXIST. BACKWATER	= 2.84	ft.



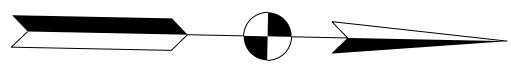
FULL DEPTH PAVEMENT PATCH

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LDW	DRAWN: JEC	
CHECKED: MAE	CHECKED: JWM	

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
CLV-16825

HORIZONTAL SCALE	BRIDGE FILE		
3/32"=1'	.		
VERTICAL SCALE	DESIGNATION		
N/A	2100059		
SURVEY BOOK	SHEETS		
.	26	of	61
CONTRACT	PROJECT		
R-43688	2100059		

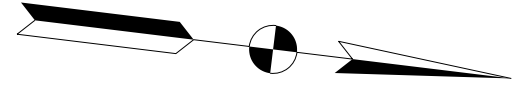


ID	STA.	OFF.	ELEV.
97	3734-60.00	49.01' RT	787.31
98	3734-79.98	49.01' RT	787.22
99	3734-00.04	48.99' RT	787.17
100	374-19.99	49.00' RT	787.13
101	374-29.97	48.99' RT	787.11
102	374-20.02	50.57' RT	787.10
103	374-00.00	53.88' RT	787.07
104	373-80.02	56.96' RT	787.06
105	373-59.99	60.22' RT	787.09
106	373-40.00	63.35' RT	787.11
107	373-20.00	64.95' RT	787.17
108	373-00.01	65.01' RT	787.25
109	372-80.05	65.02' RT	787.36
110	372-60.02	65.01' RT	787.48
111	372-40.09	64.97' RT	787.58
112	372-20.00	61.97' RT	787.79
113	372-00.00	55.83' RT	788.06
114	371-80.00	49.71' RT	788.31
PR-1	37203.63	11.65' LT	787.46
PR-2	37216.48	11.65' LT	787.4
PR-3	37236.48	11.64' LT	787.27
PR-4	37256.54	11.64' LT	787.15
PR-5	37201.72		787.67
PR-6	37238.97	9.31' Rt	787.65

INDIANA
DEPARTMENT OF TRANSPORTATION

GRADING PLAN

HORIZONTAL SCALE	BRIDGE FILE		
1" = 20'	-		
VERTICAL SCALE	DESIGNATION		
N/A	2100059		
SURVEY BOOK	SHEETS		
.	27	of	61
CONTRACT	PROJECT		
R-43688	2100059		



ID	STA.	OFF.	ELEV.
187	381+40.78	19.07 'LT	781.64
188	381+60.80	20.17 'LT	781.47
189	381+80.74	20.35 'LT	781.28
190	382+00.67	20.58 'LT	781.09
191	382+20.67	20.86 'LT	780.91
192	382+45.00	21.21 'LT	780.69
193	382+45.03	9.21 'LT	780.53
194	382+20.84	8.86 'LT	779.11
195	382+00.84	8.58 'LT	780.97
196	381+80.84	8.35 'LT	781.16
197	381+60.85	8.17 'LT	781.35
198	381+41.48	7.09 'LT	781.52
199	381+21.51	5.94 'LT	781.70
200	381+01.54	4.78 'LT	781.91
201	380+81.88	3.64 'LT	782.11
202	380+61.61	2.38 'LT	782.25
203	380+42.03	1.64 'RT	782.40
204	380+23.74	0.55 'RT	782.34
205	380+12.02	17.28 'RT	782.41
206	380+12.61	20.89 'RT	782.48
207	380+27.50	21.02 'RT	782.36
208	380+27.50	21.02 'RT	782.24
209	380+67.28	21.02 'RT	782.14
210	380+75.00	21.01 'RT	782.09

HORIZONTAL SCALE	BRIDGE FILE		
1" = 20'	.		
VERTICAL SCALE	DESIGNATION		
N/A	2100059		
SURVEY BOOK	SHEETS		
.	28	of	61
CONTRACT	PROJECT		
R-43688	2100059		

MATCHLINE STA. 383+00.00 "H"

ID	STA.	OFF.	ELEV.
211	384+08.80	21.20' LT	780.04
212	384+35.72	21.07' LT	780.22
213	384+55.72	20.97' LT	780.35
214	384+75.72	20.88' LT	780.41
215	384+95.66	20.79' LT	780.47
216	385+15.52	20.81' LT	780.53
217	385+35.37	20.98' LT	780.59
218	385+56.22	20.95' LT	780.63
219	385+76.07	21.01' LT	780.70
220	385+95.93	121.20' LT	780.78
221	386+15.78	21.29' LT	780.85
222	386+35.64	21.33' LT	780.90
223	386+55.48	21.52' LT	780.95
224	386+75.31	22.10' LT	781.06
225	386+95.15	22.83' LT	781.21
226	386+75.60	19.79' LT	781.01
227	386+56.06	17.01' LT	780.86
228	386+36.50	14.36' LT	780.76
229	386+16.88	11.84' LT	780.66
230	385+97.67	9.51' LT	778.55
231	385+76.09	9.01' LT	780.46
232	385+56.17	8.95' LT	780.39
233	385+35.22	8.97' LT	780.35
234	385+15.54	8.81' LT	780.29

ID	STA.	OFF.	ELEV.
235	384+95.57	8.79' LT	780.23
236	384+75.63	8.88' LT	780.17
237	384+55.60	8.98' LT	780.11
238	384+35.62	9.07' LT	779.98
239	384+08.65	9.20' LT	779.70
240	386+51.71	49.00' LT	782.27
241	386+70.97	51.79' LT	782.31
242	386+90.18	54.71' LT	782.39
243	387+09.33	57.76' LT	782.48
244	387+28.41	60.94' LT	782.55
245	387+47.43	64.24' LT	782.62
246	687+69.69	65.00' LT	782.77
247	687+89.36	65.00' LT	782.93
248	688+09.02	65.00' LT	783.12
249	388+28.68	65.00' LT	783.33
250	388+48.34	65.00' LT	783.54
251	388+70.90	58.28' LT	783.94
252	388+71.14	49.00' LT	784.48
253	388+48.30	49.00' LT	784.13
254	388+28.64	49.00' LT	783.86
255	388+28.64	49.00' LT	783.65
256	388+08.97	49.00' LT	783.44
257	387+89.31	49.00' LT	783.25
258	387+69.64	49.00' LT	783.09

ID	STA.	OFF.	ELEV.
259	387+48.08	49.00' LT	782.92
260	387+28.15	49.00' LT	782.79
261	387+09.07	49.00' LT	782.66
262	386+89.96	49.00' LT	782.50
263	386+70.82	49.00' LT	782.37
264	388+91.10	23.22' LT	783.67
265	388+77.88	23.04' LT	783.42
266	388+57.96	22.80' LT	783.05
267	388+38.00	22.65' LT	782.7
268	388+18.09	22.52' LT	782.39
269	387+98.29	22.25' LT	782.11
270	387+72.43	21.84' LT	781.79
271	387+98.19	20.03' LT	782.07
272	388+17.94	18.79' LT	782.32
273	388+17.80	12.16' RT	783.55
274	387+98.16	12.13' RT	783.28
275	387+77.87	11.91' RT	783.09
276	387+57.71	11.68' RT	782.90
277	387+37.58	11.40' RT	782.70
278	387+17.45	11.11' RT	782.50
279	386+97.28	10.82' RT	782.32
280	386+77.21	10.46' RT	782.15
281	386+53.92	10.28' RT	781.97
282	383+36.85	10.00' RT	781.77

ID	STA.	OFF.	ELEV.
283	386+16.60	9.69' RT	781.58
284	385+96.45	9.48' RT	781.39
285	385+76.30	9.29' RT	781.27
286	385+56.24	9.04' RT	781.19
287	385+36.13	8.72' RT	781.16
288	385+15.77	8.48' RT	781.12
289	384+95.71	8.38' RT	781.07
290	384+74.95	9.06' RT	781.04
291	384+55.01	10.15' RT	780.98
292	384+35.05	11.24' RT	780.92
293	384+15.10	12.32' RT	780.86
294	383+95.64	13.38' RT	780.81
295	383+95.57	21.11' RT	780.96
296	384+15.57	20.86' RT	781.03
297	384+35.56	20.60' RT	781.11
298	384+55.56	20.35' RT	781.18
299	384+75.55	20.18' RT	781.26
300	384+95.61	20.38' RT	781.31
301	385+15.75	20.48' RT	781.36
302	385+35.89	20.71' RT	781.40
303	385+56.04	21.04' RT	781.43
304	385+76.19	21.29' RT	781.51
305	385+96.34	21.48' RT	781.63
306	386+16.49	21.69' RT	781.82

ID	STA.	OFF.	ELEV.
307	383+36.64	22.00' RT	782.01
308	386+56.79	22.28' RT	782.21
309	386+76.95	22.46' RT	782.39
310	386+97.10	22.82' RT	782.56
311	387+17.26	23.11' RT	782.74
312	387+37.42	23.40' RT	782.94
313	387+57.59	23.68' RT	783.14
314	378+77.75	23.91' RT	783.33
315	387+97.92	24.13' RT	783.52
316	388+18.09	24.45' RT	783.73
317	388+38.26	24.72' RT	783.96
318	388+58.43	24.97' RT	784.20
319	388+78.61	25.08' RT	784.45
320	388+91.10	25.08' RT	784.60

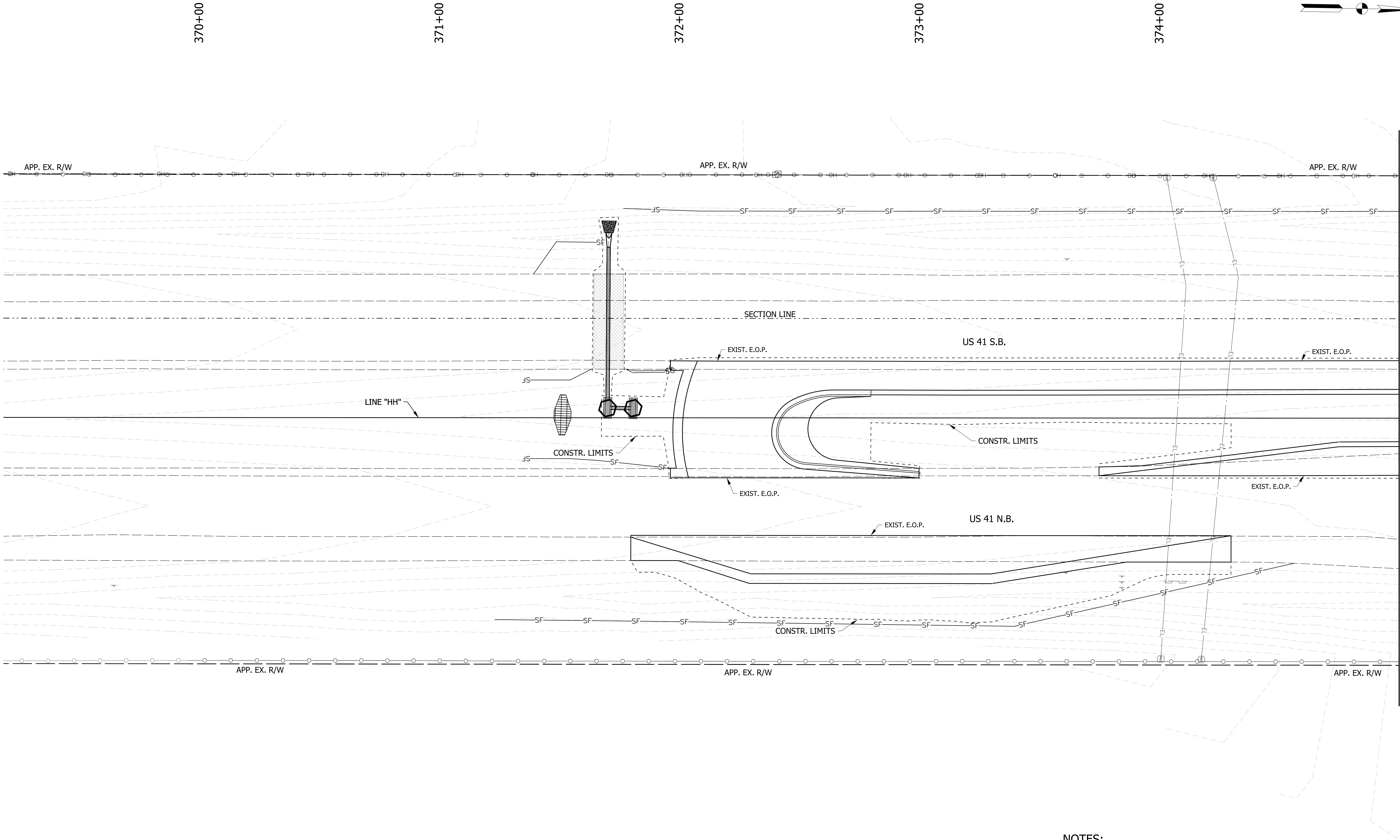
RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: JBT
CHECKED: MAE	CHECKED: JWM

INDIANA
DEPARTMENT OF TRANSPORTATION

GRADING PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	2100059
SURVEY BOOK	SHEETS
	29 of 61
CONTRACT	PROJECT
R-43688	2100059

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- NOTES:
1. All disturbed areas to be temporary seeded in accordance with the INDOT standard specifications.
 2. Contractor to provide a stable construction entrance following contract award.
 3. Contractor to provide a monitoring and maintenance plan in accordance with INDOT standard specifications.
 4. Contractor to provide the construction sequence of the erosion control measures following contract award.
 5. Contractor to provide any soil stockpile or borrow locations following contract award.

LEGEND

DITCH INLET PROTECTION

TEMPORARY CHECK DAM, TRAVERSABLE

FS FS FILTER SOCK

CURB INLET PROTECTION

WETLANDS

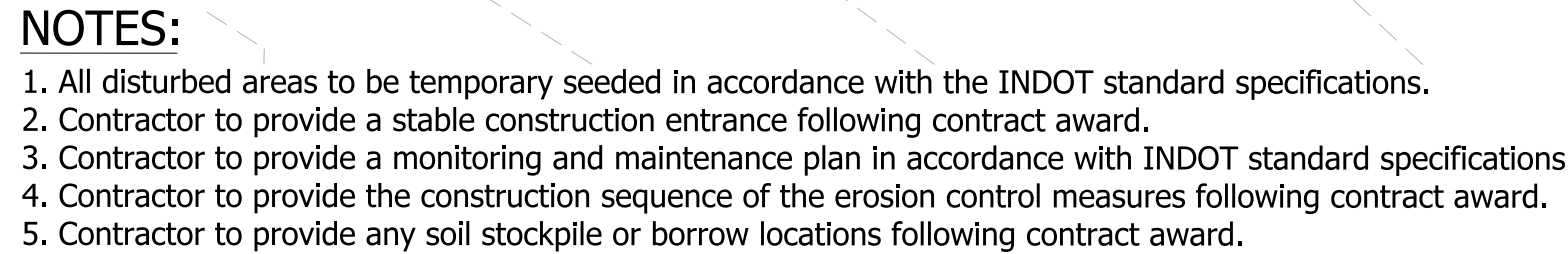
SF SF SILT FENCE

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: LDW	DRAWN: JEC		
CHECKED: MAE	CHECKED: JWM		

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL

HORIZONTAL SCALE 1"=20'	BRIDGE FILE		
VERTICAL SCALE N/A	DESIGNATION 2100059		
SURVEY BOOK	SHEETS		
CONTRACT R-43688	30	of	61
	PROJECT 2100059		

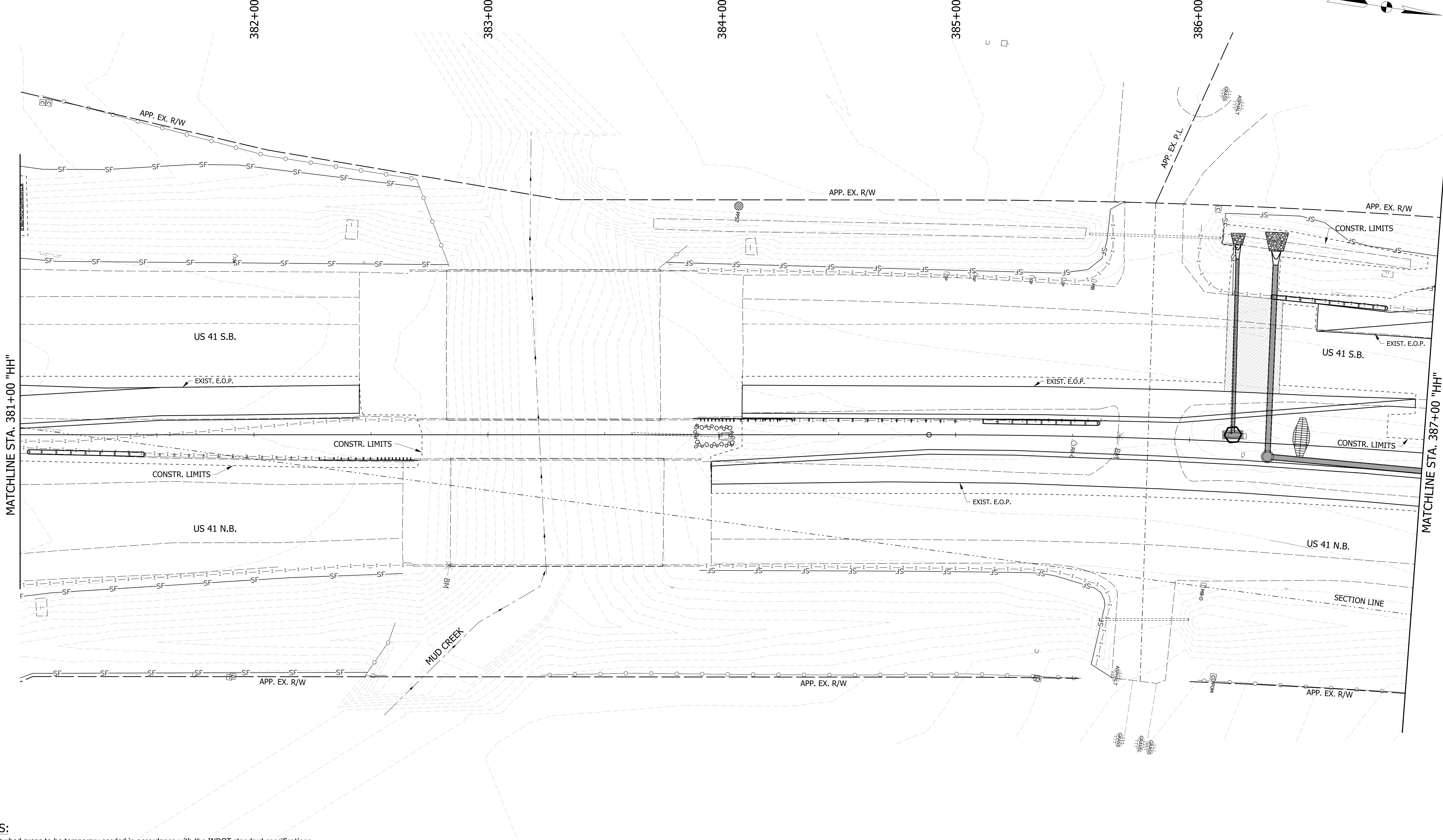


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LDW	DRAWN: JEC	
CHECKED: MAE	CHECKED: JWM	

EROSION CONTROL

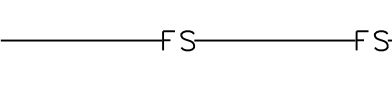
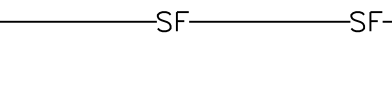
HORIZONTAL SCALE	BRIDGE FILE		
1"=20'	.		
VERTICAL SCALE	DESIGNATION		
N/A	2100059		
SURVEY BOOK	SHEETS		
.	31	of	61
CONTRACT	PROJECT		
R-43688	2100059		

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- NOTES:
1. All disturbed areas to be temporary seeded in accordance with the INDOT standard specifications.
 2. Contractor to provide a stable construction entrance following contract award.
 3. Contractor to provide a monitoring and maintenance plan in accordance with INDOT standard specifications.
 4. Contractor to provide the construction sequence of the erosion control measures following contract award.
 5. Contractor to provide any soil stockpile or borrow locations following contract award.

LEGEND

-  DITCH INLET PROTECTION
-  CURB INLET PROTECTION
-  TEMPORARY CHECK DAM, TRAVERSABLE
-  WETLANDS
-  FS FS FILTER SOCK
-  SF SF SILT FENCE

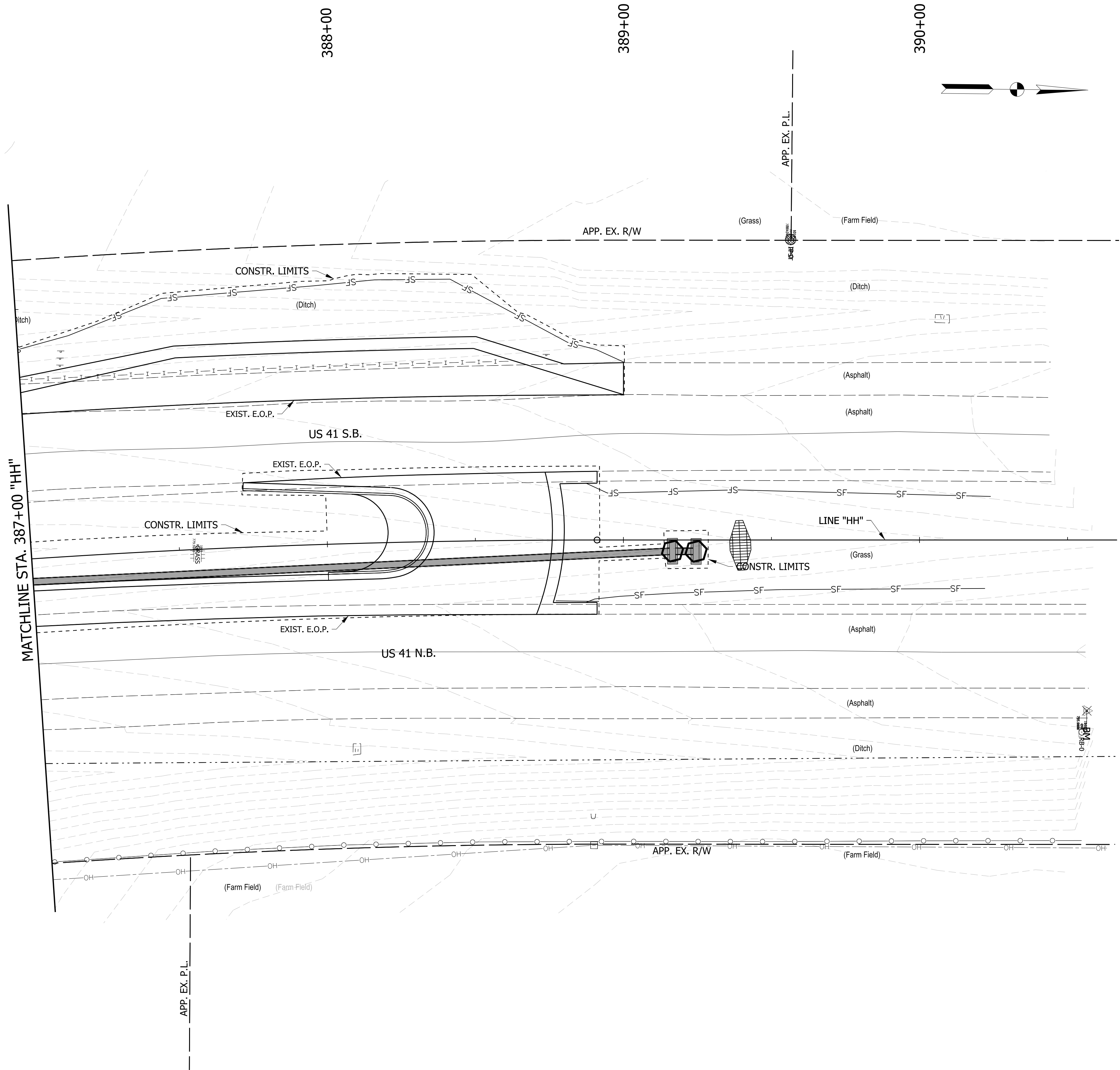
RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER	DATE
DESIGNED: _____	DRAWN: _____
CHECKED: _____	CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL

HORIZONTAL SCALE 1"=20'	BRIDGE FILE	
VERTICAL SCALE N/A	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
CONTRACT R-43688	32	of 61
	PROJECT 2100059	

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- NOTES:**
1. All disturbed areas to be temporary seeded in accordance with the INDOT standard specifications.
 2. Contractor to provide a stable construction entrance following contract award.
 3. Contractor to provide a monitoring and maintenance plan in accordance with INDOT standard specifications.
 4. Contractor to provide the construction sequence of the erosion control measures following contract award.
 5. Contractor to provide any soil stockpile or borrow locations following contract award.

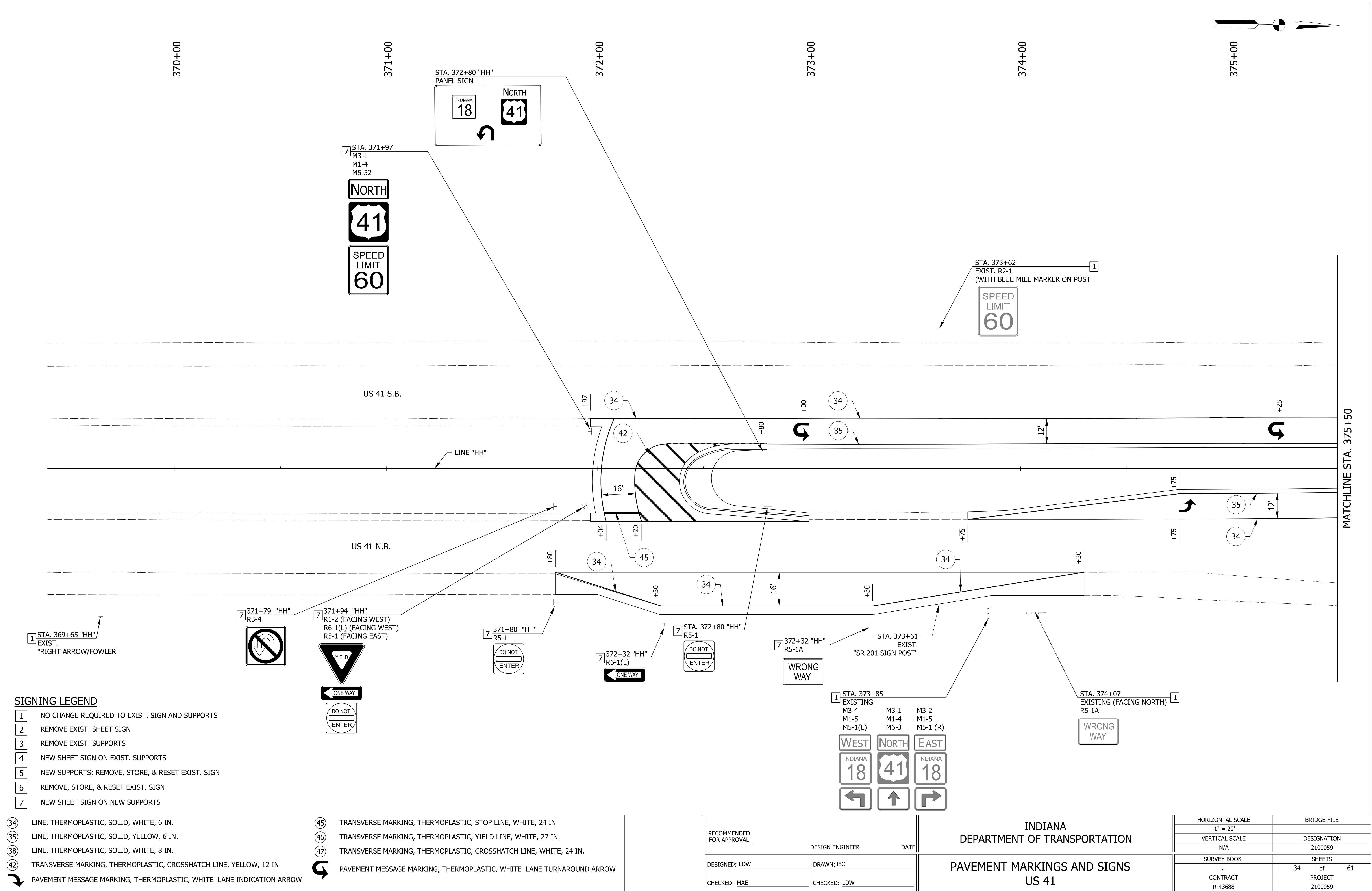
LEGEND

- DITCH INLET PROTECTION
- CURB INLET PROTECTION
- TEMPORARY CHECK DAM, TRAVERSABLE
- WETLANDS
- FS FS FILTER SOCK
- SF SF SILT FENCE

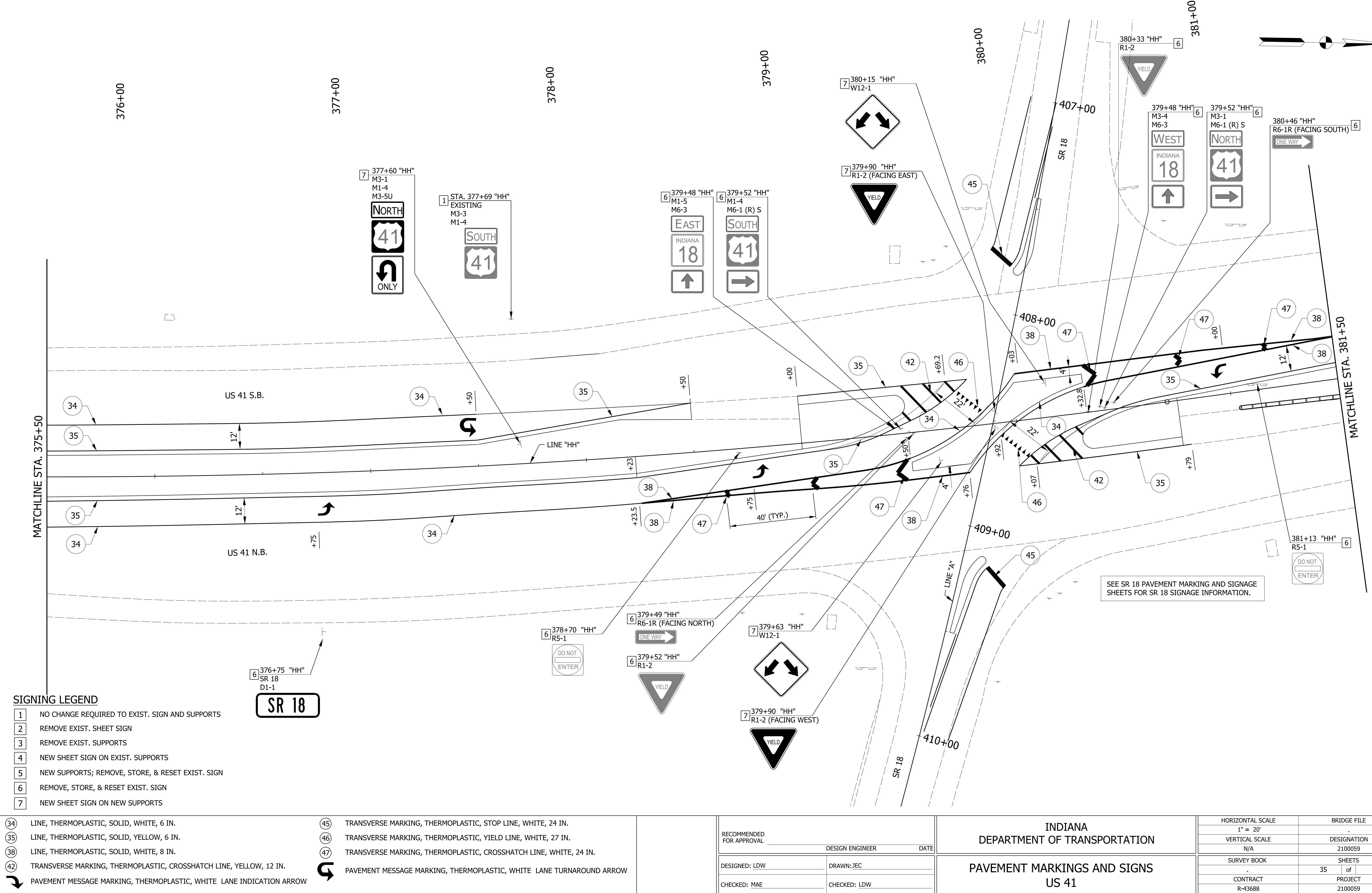
RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: JWM

INDIANA DEPARTMENT OF TRANSPORTATION	
EROSION CONTROL	

HORIZONTAL SCALE 1"=20'	BRIDGE FILE	
VERTICAL SCALE N/A	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
CONTRACT R-43688	33 of 61	PROJECT 2100059



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SIGNING LEGEND

1

NO CHANGE REQUIRED TO EXIST. SIGN AND SUPPORTS

2

REMOVE EXIST. SHEET SIGN

3

REMOVE EXIST. SUPPORTS

4

NEW SHEET SIGN ON EXIST. SUPPORTS

5

NEW SUPPORTS; REMOVE, STORE, & RESET EXIST. SIGN

6

REMOVE, STORE, & RESET EXIST. SIGN

7

NEW SHEET SIGN ON NEW SUPPORTS

34

LINE, THERMOPLASTIC, SOLID, WHITE, 6 IN.

35

LINE, THERMOPLASTIC, SOLID, YELLOW, 6 IN.

38

LINE, THERMOPLASTIC, SOLID, WHITE, 8 IN.

42

TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, YELLOW, 12 IN.

PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WHITE LANE INDICATION ARROW

45

TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, WHITE, 24 IN.

46

TRANSVERSE MARKING, THERMOPLASTIC, YIELD LINE, WHITE, 27 IN.

47

TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, WHITE, 24 IN.

PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WHITE LANE TURNAROUND ARROW

RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: LDW

INDIANA DEPARTMENT OF TRANSPORTATION	
PAVEMENT MARKINGS AND SIGNS US 41	

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE	
VERTICAL SCALE N/A	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
CONTRACT R-43688	35	of 61
	PROJECT 2100059	



- 1 NO CHANGE REQUIRED TO EXIST. SIGN AND SUPPORTS
- 2 REMOVE EXIST. SHEET SIGN
- 3 REMOVE EXIST. SUPPORTS
- 4 NEW SHEET SIGN ON EXIST. SUPPORTS
- 5 NEW SUPPORTS; REMOVE, STORE, & RESET EXIST. SIGN
- 6 REMOVE, STORE, & RESET EXIST. SIGN
- 7 NEW SHEET SIGN ON NEW SUPPORTS

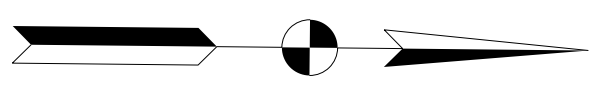
- | | |
|----|--|
| 45 | TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, WHITE, 24 IN. |
| 46 | TRANSVERSE MARKING, THERMOPLASTIC, YIELD LINE, WHITE, 27 IN. |
| 47 | TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, WHITE, 24 IN. |
| 48 | PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WHITE LANE TURNAROUND ARROW |

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LDW	DRAWN: JEC	
CHECKED: MAE	CHECKED: LDW	

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS AND SIGNS
US 41

HORIZONTAL SCALE	BRIDGE FILE		
1" = 20'	.		
VERTICAL SCALE	DESIGNATION		
N/A	2100059		
SURVEY BOOK	SHEETS		
.	36	of	61
CONTRACT	PROJECT		
R-43688	2100059		



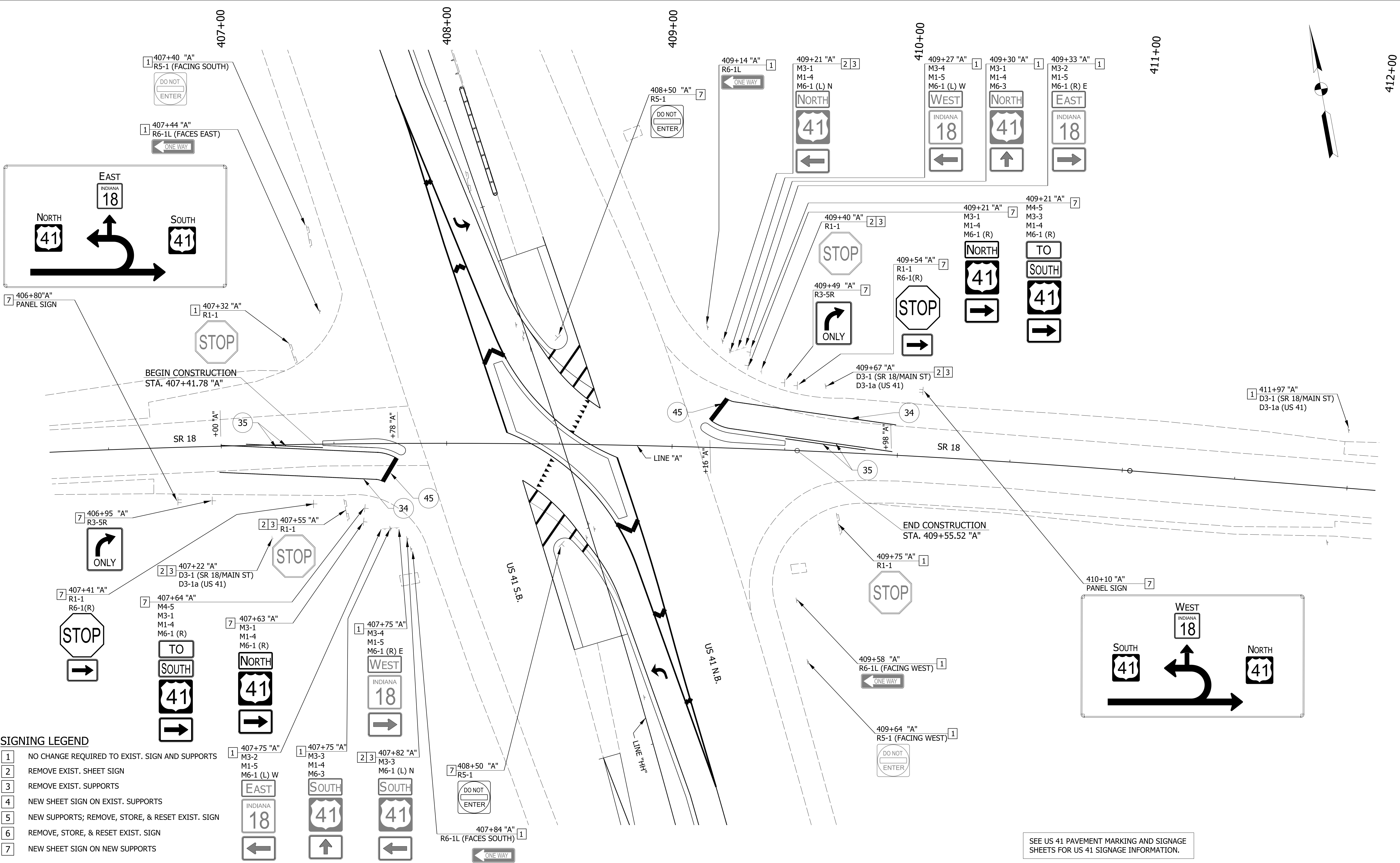
- 1 NO CHANGE REQUIRED TO EXIST. SIGN AND SUPPORTS
- 2 REMOVE EXIST. SHEET SIGN
- 3 REMOVE EXIST. SUPPORTS
- 4 NEW SHEET SIGN ON EXIST. SUPPORTS
- 5 NEW SUPPORTS; REMOVE, STORE, & RESET EXIST. SIGN
- 6 REMOVE, STORE, & RESET EXIST. SIGN
- 7 NEW SHEET SIGN ON NEW SUPPORTS

- | | |
|---|--|
| 45 | TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, WHITE, 24 IN. |
| 46 | TRANSVERSE MARKING, THERMOPLASTIC, YIELD LINE, WHITE, 27 IN. |
| 47 | TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, WHITE, 24 IN. |
|  | PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WHITE LANE TURNAROUND ARROW |

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS AND SIGNS
US 41

HORIZONTAL SCALE		BRIDGE FILE	
1" = 20'		.	
VERTICAL SCALE		DESIGNATION	
N/A		2100059	
SURVEY BOOK		SHEETS	
.		37	61
CONTRACT		PROJECT	
R-43688		2100059	



SIGNING LEGEND

- | | | | |
|---|--|----|---|
| 1 | NO CHANGE REQUIRED TO EXIST. SIGN AND SUPPORTS | 45 | TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, WHITE, 24 IN. |
| 2 | REMOVE EXIST. SHEET SIGN | 46 | TRANSVERSE MARKING, THERMOPLASTIC, YIELD LINE, WHITE, 27 IN. |
| 3 | REMOVE EXIST. SUPPORTS | 47 | TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, WHITE, 24 IN. |
| 4 | NEW SHEET SIGN ON EXIST. SUPPORTS | | |
| 5 | NEW SUPPORTS; REMOVE, STORE, & RESET EXIST. SIGN | | |
| 6 | REMOVE, STORE, & RESET EXIST. SIGN | | |
| 7 | NEW SHEET SIGN ON NEW SUPPORTS | | |
- ➡ PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WHITE LANE INDICATION ARROW
- ➡ PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WHITE LANE TURNAROUND ARROW

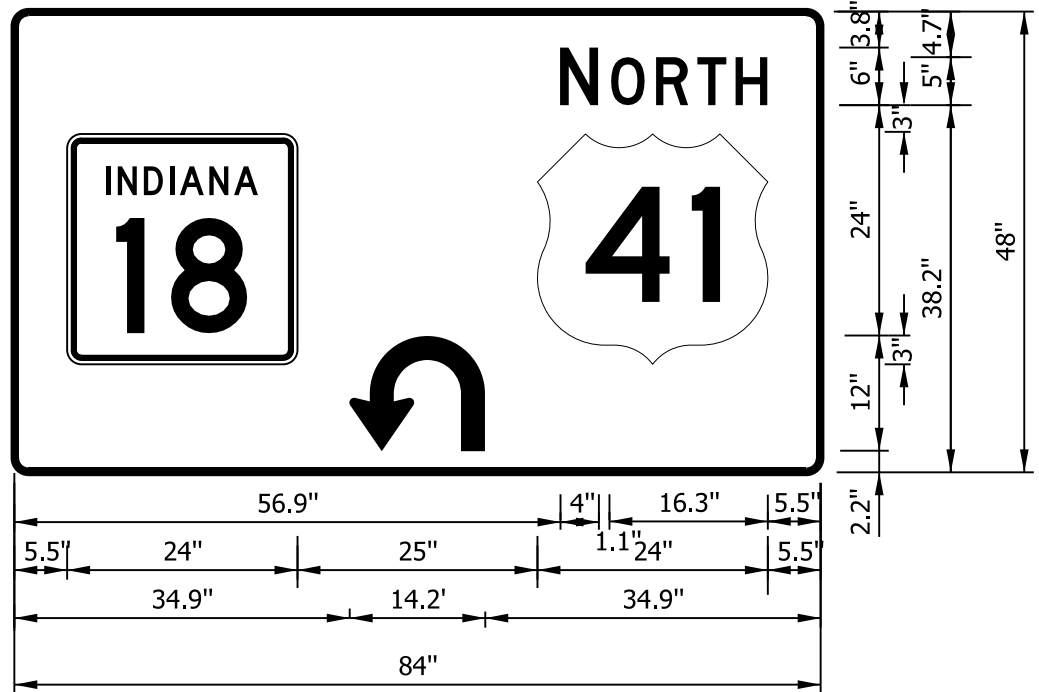
SEE US 41 PAVEMENT MARKING AND SIGNAGE SHEETS FOR US 41 SIGNAGE INFORMATION.

RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: LDW

INDIANA
DEPARTMENT OF TRANSPORTATION

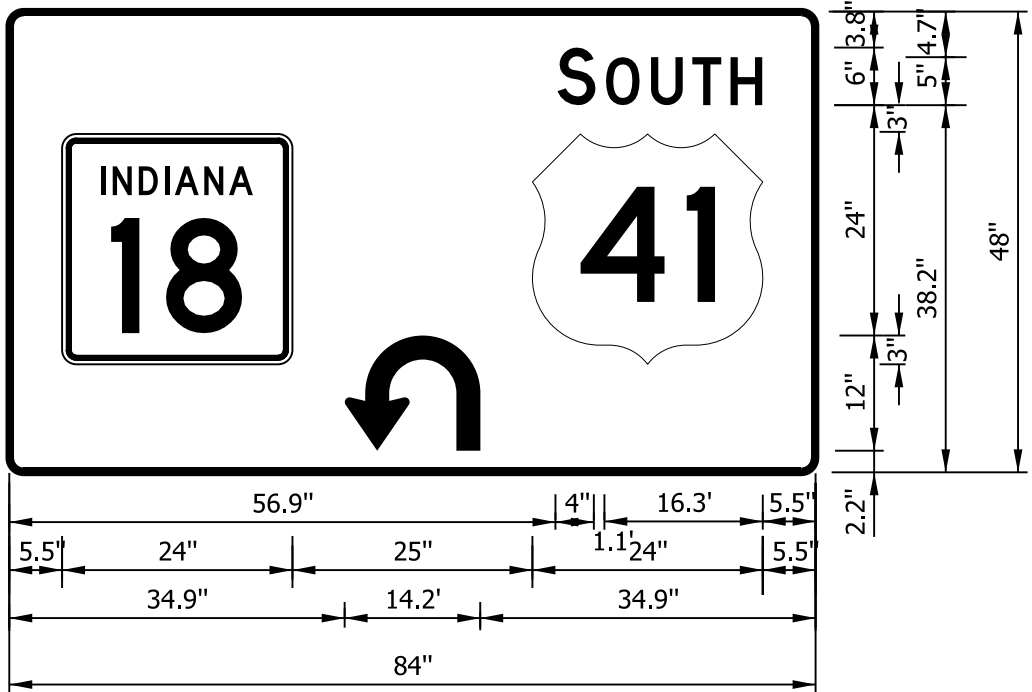
PAVEMENT MARKINGS AND SIGNS
SR 18

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 2100059
SURVEY BOOK	SHEETS
CONTRACT R-43688	38 of 61 PROJECT 2100059



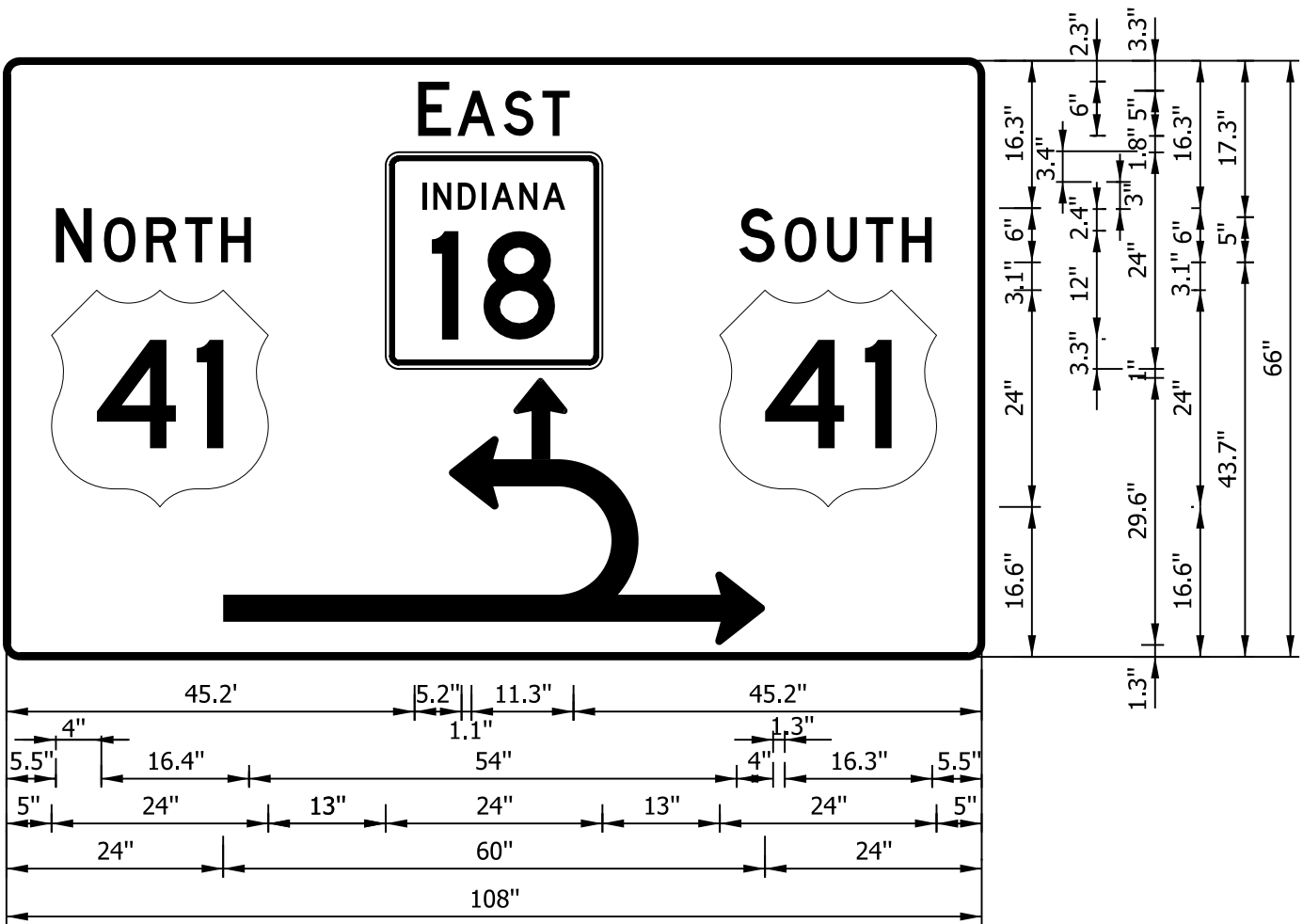
SIGN #: D1-4A
BACKGROUND TYPE : REFLECTIVE
BORDER TYPE : REFLECTIVE
MOUNTING : GROUND
CORNER RADIUS 1.5", 0.5" BORDER, WHITE ON GREEN
"NORTH", D; STATE HIGHWAY 18 M1-6; M1-5N; U-TURN

TABLE OF WIDTHS AND SPACES																
56.9	N	4.0	1.3	O	3.5	1.2	R	3.3	1.0	T	3.0	0.9	H	3.4	5.5	
5.5	■	24.0	25.0	■	24.0	5.5										
34.9	↻	14.2	34.9													



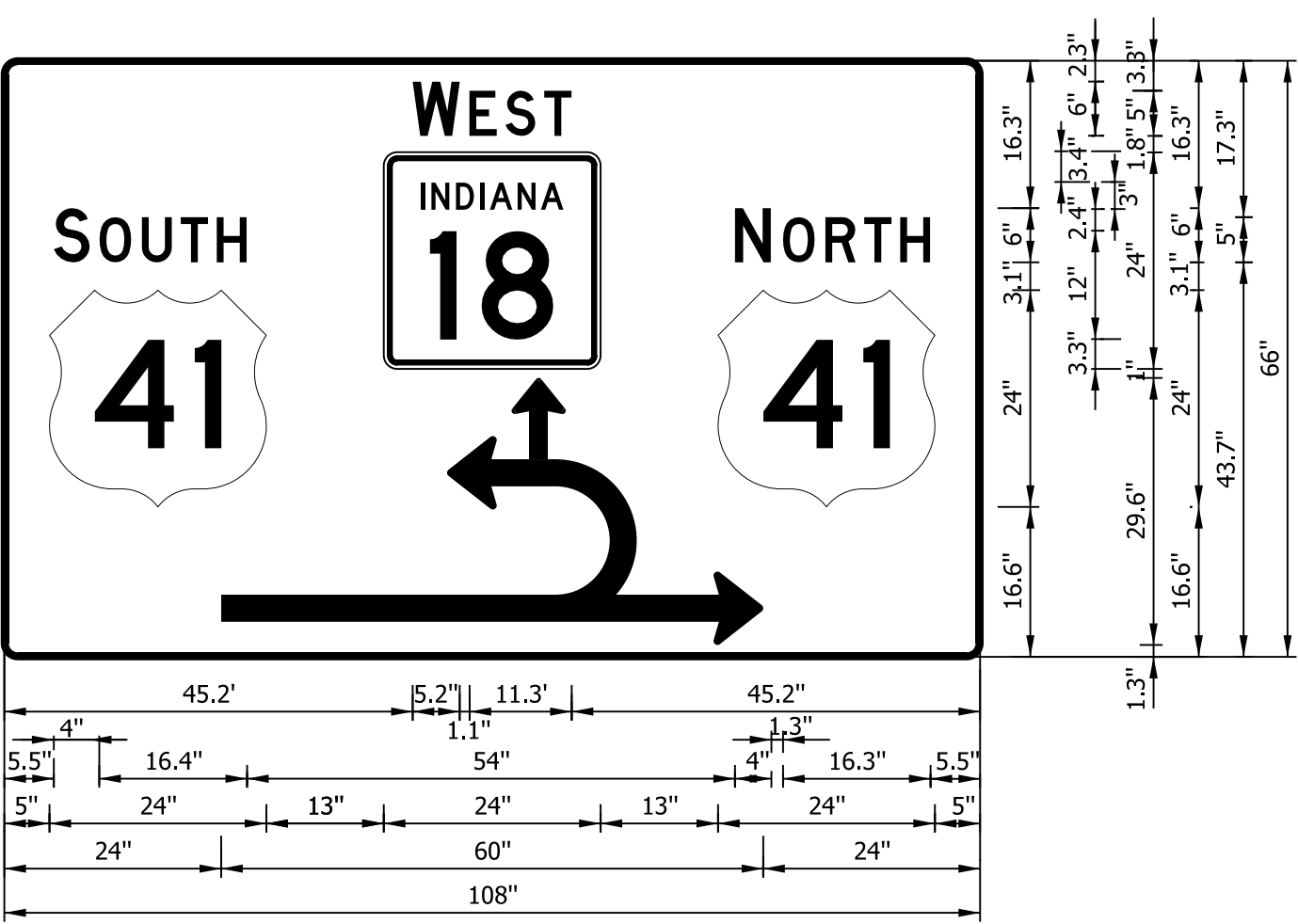
SIGN #: D1-4A
BACKGROUND TYPE : REFLECTIVE
BORDER TYPE : REFLECTIVE
MOUNTING : GROUND
CORNER RADIUS 1.5", 0.5" BORDER, WHITE ON GREEN
"NORTH", D; STATE HIGHWAY 18 M1-6; M1-5N; U-TURN

TABLE OF WIDTHS AND SPACES														
57.1	S		O		U		T		H					
4.0	1.1	3.5	1.2	3.3	1.0	3.0	0.9	3.4	5.5					
5.5	■	24.0	25.0	■	24.0	5.5								
34.9	↶	14.2	34.9											



SIGN #: D1-4C
BACKGROUND TYPE : REFLECTIVE
BORDER TYPE : REFLECTIVE
MOUNTING : GROUND
CORNER RADIUS 1.5", 0.5" BORDER, WHITE ON GREEN
"EAST", D; "NORTH" SOUTH", D; M1-5N; STATE HIGHWAY 18 M1-6; COMPLEX TURN; M1-5N;

TABLE OF WIDTHS AND SPACES																													
45.6	E	3.7	0.6	A	4.2	1.0	S	3.3	1.0	T	3.0	45.6																	
5.5	N	4.0	1.3	O	3.5	1.2	R	3.3	1.0	T	3.0	1.0	H	3.3	54.0	4.1	1.0	O	3.5	1.2	U	3.3	1.0	T	3.0	1.0	H	3.3	5.5
5.0	■	24.0	13.0	■	24.0	13.0	■	24.0	5.0																				
24.0	↵	60.0	24.0																										



SIGN #: D1-4D
BACKGROUND TYPE : REFLECTIVE
BORDER TYPE : REFLECTIVE
MOUNTING : GROUND
CORNER RADIUS 1.5", 0.5" BORDER, WHITE ON GREEN
"WEST", D; "SOUTH" NORTH", D; M1-5N; STATE HIGHWAY 18 M1-6; COMPLEX TURN; M1-5N;

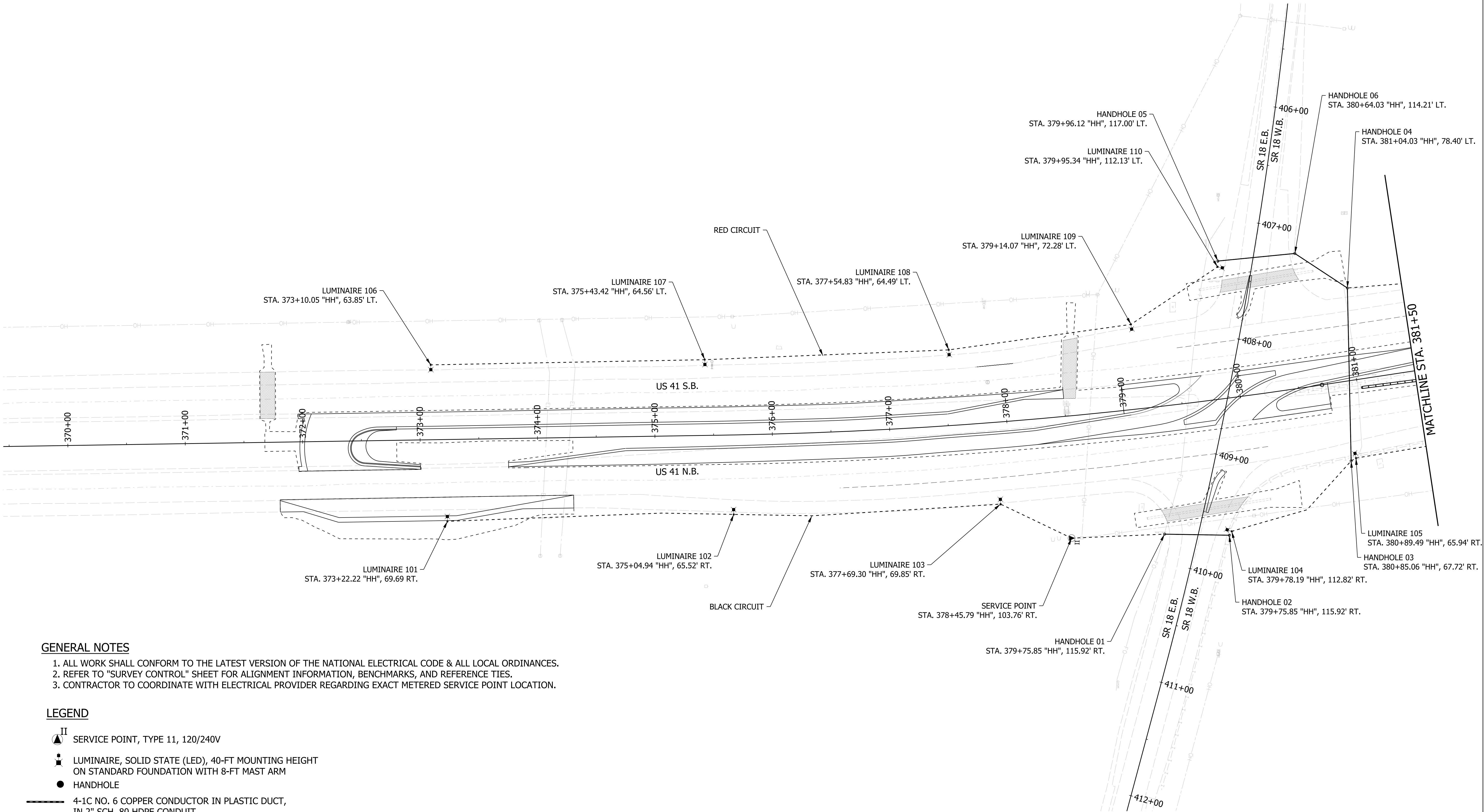
TABLE OF WIDTHS AND SPACES																													
45.2	W	5.2	1.1	E	3.0	1.0	S	3.3	1.0	T	3.0	45.2																	
5.5	S	4.0	1.0	O	3.6	1.1	U	3.4	0.9	T	3.1	0.9	H	3.4	54.0	4.0	1.3	O	3.5	1.2	R	3.3	1.0	T	3.0	1.0	H	3.3	5.5
5.0	■	24.0	13.0	■	24.0	13.0	■	24.0	5.0																				
24.0	↵	60.0	24.0																										

RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: LDW

INDIANA DEPARTMENT OF TRANSPORTATION	
PANEL SIGN DETAILS	

HORIZONTAL SCALE	BRIDGE FILE		
1"=20'			
VERTICAL SCALE	DESIGNATION		
N/A	2100059		
SURVEY BOOK	SHEETS		
	39	of	61
CONTRACT	PROJECT		
R-43688	2100059		

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GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE & ALL LOCAL ORDINANCES.
2. REFER TO "SURVEY CONTROL" SHEET FOR ALIGNMENT INFORMATION, BENCHMARKS, AND REFERENCE TIES.
3. CONTRACTOR TO COORDINATE WITH ELECTRICAL PROVIDER REGARDING EXACT METERED SERVICE POINT LOCATION.

LEGEND

- SERVICE POINT, TYPE 11, 120/240V
- LUMINAIRE, SOLID STATE (LED), 40-FT MOUNTING HEIGHT ON STANDARD FOUNDATION WITH 8-FT MAST ARM
- HANDHOLE
- 4-1C NO. 6 COPPER CONDUCTOR IN PLASTIC DUCT, IN 2" SCH. 80 HDPE CONDUIT
- 4-1C NO. 6 COPPER CONDUCTOR IN PLASTIC DUCT, IN TRENCH

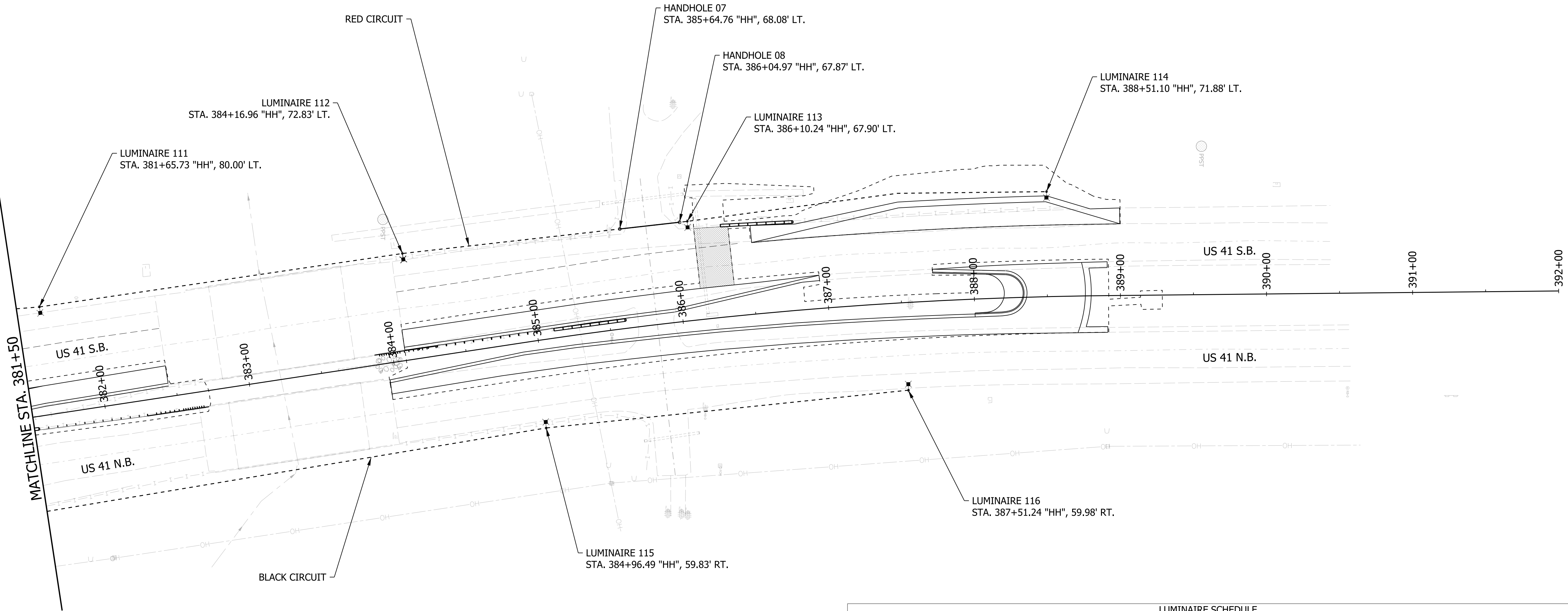
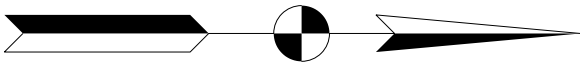
RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: LDW

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

HORIZONTAL SCALE	BRIDGE FILE		
1"=40'			
VERTICAL SCALE	DESIGNATION		
N/A	2100059		
SURVEY BOOK	SHEETS		
	41	of	61
CONTRACT	PROJECT		
R-43688	2100059		

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GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE & ALL LOCAL ORDINANCES.
2. REFER TO "SURVEY CONTROL" SHEET FOR ALIGNMENT INFORMATION, BENCHMARKS, AND REFERENCE TIES.
3. CONTRACTOR TO COORDINATE WITH ELECTRICAL PROVIDER REGARDING EXACT METERED SERVICE POINT LOCATION.

LEGEND

- SERVICE POINT, TYPE 11, 120/240V
- LUMINAIRE, SOLID STATE (LED), 40-FT MOUNTING HEIGHT ON STANDARD FOUNDATION WITH 8-FT MAST ARM
- HANDHOLE
- 4-1C NO. 6 COPPER CONDUCTOR IN PLASTIC DUCT, IN 2" SCH. 80 HDPE CONDUIT
- 4-1C NO. 6 COPPER CONDUCTOR IN PLASTIC DUCT, IN TRENCH

LUMINAIRE SCHEDULE																
LUMINAIRE NO.	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116
CONNECTION TYPE	1	2	2	2	2	1	2	2	2	2	2	2	2	1	2	1
POLE HEIGHT	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft
MAST ARM LENGTH	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft

LUMINARE SHALL PROVIDE A LIGHT DISTRIBUTION EQUIVALENT TO IES DISTRIBUTION TYPE: ATB0_P455_R3_4K.IES

HANDHOLE SCHEDULE								
HANDHOLE NO.	H01	H02	H03	H04	H05	H06	H07	H08
CONNECTION TYPE	A	A	A	B	A	A	A	A

SERVICE POINT & CONTROLLER CABINET				
No.	Main Breaker	Branch Circuit	Computed Branch Circuit Average	Branch Circuit Breaker Rating
1	200 Amps	Red	14.023 Amps	30 Amps
	200 Amps	Black	10.908 Amps	30 Amps

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

DATE

DESIGNED: LDW

DRAWN: JEC

CHECKED: MAE

CHECKED: LDW

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

HORIZONTAL SCALE

1"=40'

VERTICAL SCALE

N/A

SURVEY BOOK

CONTRACT

R-43688

BRIDGE FILE

DESIGNATION

2100059

SHEETS

42 of 61

PROJECT

2100059

PAVEMENT QUANTITIES AND APPROACH TABLE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE		EXCAVATION		CLEAR ZONE AT DRIVE	HMA FOR APPROACHES			QC/QA HMA				HMA FOR PATCHING, TYPE C	PCCP	SUBBASE FOR PCCP	ASPHALT MATERIAL FOR		JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INT.	LIQUID ASPHALT SEALANT	COMPACTED AGGREGATE FOR BASE NO. 53		COMPACTED AGGREGATE FOR SURFACE NO.73		SUBGRADE TREATMENT, TYPE IC	SUBGRADE TREATMENT, TYPE ID	COMPACTED AGGREGATE NO. 53	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						COMPACTED AGGREGATE BASE	HMA	PCCP						SURFACE TYPE —	INTERMD TYPE —	BASE TYPE —	3, 70 SURFACE, 9.5 MM	3, 70 INT., 19.0 MM	3, 64 BASE, 19.0 MM	4, 76 INT., OG, 19.0 MM				PRIME COAT	TACK COAT												10 IN. TONS	TONS	TONS	TONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER _____	DATE _____
DESIGNED: LDW _____	DRAWN: JEC _____
CHECKED: MAE _____	CHECKED: JWM _____

INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	N/A	.
	VERTICAL SCALE	DESIGNATION
	N/A	2100059
APPROACH TABLE	SURVEY BOOK	SHEETS
	.	43 of 61
	CONTRACT	PROJECT
	R-43688	2100059

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION					SIZE	DESCRIPTION		LENGTH	VIDEO INSPECTION LENGTH	SKEW	COVER		FLOW LINE		SUMP DEPTH	TOP OF CASTING	SERVICE LIFE	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 1	STRUCTURE BACKFILL TYPE 2	FLOWABLE BACKFILL TYPE ??	FLOWABLE BACKFILL TYPE ??	UNDERCUT				GEOTEXTILES for RIPRAP TYPE?? (??)	REVETMENT RIPRAP	SCOUR PROTECTION			PIPE, REMOVE	VIDEO INSPECTION	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR.	CULVERT ASSET ID	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	STATION	LEFT	RIGHT	CROSS	PIPE TYPE		MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	UP STREAM						DOWN STREAM	EXCAVATION											COMPACTED AGGREGATE #5	COMPACTED AGGREGATE #53	GEOTEXTILES for ????? TYPE?? (??)	GEOTEXTILES for RIPRAP TYPE 1A			REVETMENT RIPRAP	CLASS I RIPRAP	TYPE													SLOPE	EA.	TYPE	SLOPE	EA.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER	DATE
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: JWM

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE		BRIDGE FILE	
N/A		.	
VERTICAL SCALE		DESIGNATION	
N/A		2100059	
SURVEY BOOK		SHEETS	
.		44	of 61
CONTRACT		PROJECT	
R-43688		2100059	

PAVEMENT MARKINGS SUMMARY OF QUANTITIES										
LOCATION		LINE THERMOPLASTIC			TRANSVERSE MARKINGS THERMOPLASTIC STOP LINE	TRANSVERSE MARKINGS CROSSHATCH LINE	TRANSVERSE MARKINGS YIELD LINE	GROOVING FOR PAVEMENT MARKINGS	PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW	PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW (U-TURN)
		SOLID WHITE 6 in	SOLID YELLOW 6 in	SOLID WHITE 8 in	SOLID WHITE 24 in	SOLID WHITE 24 in	SOLID WHITE 27 in			
		ft	ft	ft	ft	ft	ft	LFT	EACH	EACH
Line "HH"										
372+04	372+38					34				
379+69	379+85					22				
379+92	380+07					22				
3883+58	388+72					39				
378+22	379+76			279				279		
380+02	381+60			285				285		
371+97	377+50	552						552		
371+80	374+30	254						254		
374+75	378+26	351						351		
379+76	380+34	67						67		
379+48	380+03	63						63		
381+59	385+99	436						436		
384+89	388+94	400						400		
386+52	389+00	257						257		
372+80	378+50		570					570		
373+75	379+68		671					671		
380+08	386+96		769					769		
382+58	388+02		541					541		
378+64					4					
379+03					7					
379+45					13					
380+37					14					
380+79					7					
381+18					4					

PAVEMENT MARKINGS SUMMARY OF QUANTITIES										
LOCATION		LINE THERMOPLASTIC			TRANSVERSE MARKINGS THERMOPLASTIC STOP LINE	TRANSVERSE MARKINGS CROSSHATCH LINE	TRANSVERSE MARKINGS YIELD LINE	GROOVING FOR PAVEMENT MARKINGS	PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW	PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW (U-TURN)
		SOLID WHITE 6 in	SOLID YELLOW 6 in	SOLID WHITE 8 in	SOLID WHITE 24 in	SOLID WHITE 24 in	SOLID WHITE 27 in			
		ft	ft	ft	ft	ft	ft			
Line "HH"								LFT	EACH	EACH
373+00	LT									1
375+25	LT									1
374+75	RT								1	
376+75	RT								1	
377+50	LT									1
378+75	RT								1	
381+00	LT								1	
383+50	LT								1	
385+00	RT									1
385+95	LT								1	
387+25	RT									1
Line "A"										
409+16	409+98	70						70		
407+00	407+78	73						73		
409+16	409+98		105					105		
407+00	407+78		108					108		
409+16					12					
407+78					12					
TOTALS		2,523	2,764	564	24	49	117	5,851	6	5

GUARDRAIL SUMMARY TABLE																														
LOCATION					MGS W-BEAM GUARDRAIL LENGTH											GUARDRAIL FLARE RATE	GUARDRAIL END TREATMENT TYPE OS	MGS GUARDRAIL TRANSITION	GUARDRAIL TRANSITION TYPE TGB	W-BEAM STANDARD POST AT _____ SPA.	CURVED W-BEAM GUARDRAIL SYSTEM				GUARDRAIL REMOVE	GUARDRAIL RESET	IMPACT ATTENUATOR TYPE _____	REMARKS		
FROM STATION	TO STATION	LEFT	MEDIAN LEFT	MEDIAN RIGHT	RIGHT	STANDARD POST AT 6 FT 3 IN. SPA.	STANDARD POST AT 3 FT 1.5 IN. SPA.	DOUBLE FACED AT 6 FT 3 IN. SPA.	DOUBLE FACED AT 3 FT 1.5 IN. SPA.	HEIGHT TRANSITION	GUARDRAIL TRANSITION WITH CURB	GUARDRAIL TRANSITION WITHOUT CURB	STRUCTURE TOP-MOUNTED POST	CABLE TERMINAL ANCHOR	SHOP CURVED AT _____ FT. SPA.						LONG-SPAN GUARDRAIL	TERMINAL SYSTEM	CONNECTOR SYSTEM						TERMINAL SYSTEM	CONNECTOR SYSTEM
						LFT	LFT	LFT	LFT	EACH	EACH	EACH	EACH	EACH	LFT						EACH	TYPE	EACH	TYPE					EACH	LFT
LINE "HH"																														
380+38.00	382+76.00		X	X																			460							
381+03.00	381+53.00			X														1												
381+53.00	382+28.00			X		75																								
382+28.00	382+70.52			X								1																		
383+90.00	384+15.00			X																										
383+90.00	385+64.00		X																				25							
384+07.48	384+50.00		X																				175							
384+30.10	385+12.25		X			81						1																		
385+12.25	385+61.35			X														1												
386+30.00	388+60.00	X																												
386+63.75	387+13.75	X																1						235		SKT 350				
LINE "A"																														
409+20.00	409+50.00	X																							30					
TOTALS						156						2						3						895	30					

RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER _____ DATE _____	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: JWM

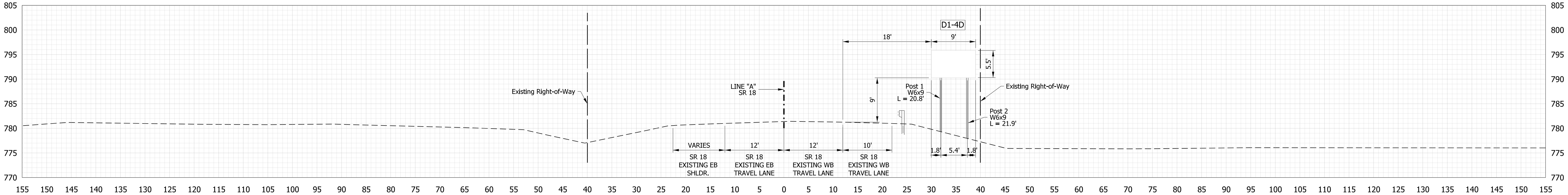
INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS TABLES

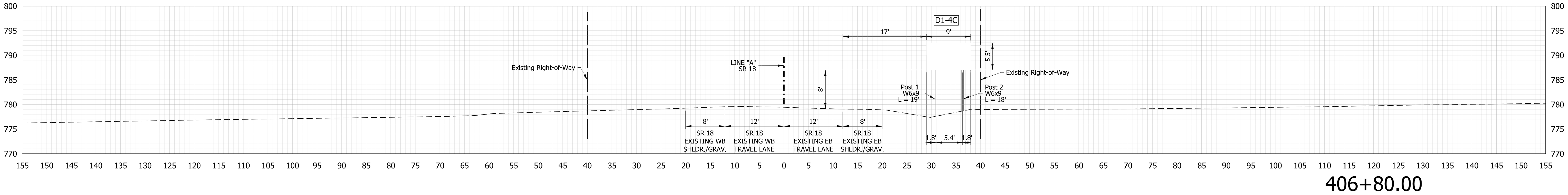
HORIZONTAL SCALE	BRIDGE FILE
N/A	.
VERTICAL SCALE	DESIGNATION
N/A	2100059
SURVEY BOOK	SHEETS
.	45 of 61
CONTRACT	PROJECT
R-43688	2100059

UNDERDRAIN TABLE																											
UNDERDRAIN PIPE LIMITS	UNDERDRAIN PIPE										OUTLET PIPE										OUTLET TYPE PROTECTORS				REMARKS		
	Type 4 Pipe		GEOTEXTILE FOR UNDERDRAINS	AGGREGATE FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADE	FLOW LINE ELEVATION @ UNDERDRAIN PIPE LIMIT	OUTLET PIPE REQUIRED (Y/N)	CONNECT UNDERDRAIN PIPE TO STRUC. NO. ____	STRUCTURE INVERT ELEVATION	45 DEG ELBOWS REQUIRED (1 OR 2)	6" OUTLET PIPE	OUTLET STATION	OUTLET ELEVATION	OUTLET AT OUTLET PROTECTOR NO. ____	DITCH FLOW LINE ELEVATION AT OUTLET PROTECTOR	CONNECT OUTLET PIPE TO STRUC. NO. ____	STRUCTURE INVERT ELEVATION	B BORROW FOR STRUCTURE BACKFILL	HMA FOR UNDERDRAINS	OUTLET PROTECTOR NO. ____	OUTLET PROTECTOR TYPE	Location				
	4"	6"																					OUTSIDE LEFT	MEDIAN LEFT		MEDIAN RIGHT	OUTSIDE RIGHT
	LFT	LFT																									
Left Side																											
371+50.00		14.25	10.29	1.2825			781.74																				
371+64.25							781.62	Y																			
371+77.75		296.25	213.96	26.6625			781.51																				
374+74.00							780.04	N																			
374+74.00		226.00	163.22	20.34			780.04																				
377+00.00							779.54	N																			
377+00.00		152.69	110.28	13.7421			779.54																				
378+52.69							777.43	Y																			
378+67.45		282.55	204.06	25.4295			778.46																				
381+50.00							777.44	N																			
381+50.00		95.05	68.65	8.5545			777.44																				
382+45.05							776.88	Y																			
384+09.28		204.63	147.79	18.4167			773.39																				
386+13.91							774.84	Y																			
386+36.84		263.16	190.06	23.6844			774.64																				
389+00.00							777.44	N																			
Right Side																											
371+50.00		300.00	216.67	27			781.74																				
374+50.00							780.04	N																			
374+50.00		300.00	216.67	27			780.04																				
377+50.00							779.24	N																			
377+50.00		300.00	216.67	27			779.24																				
380+50.00							778.24	N																			
380+50.00		213.65	154.30	19.2285			778.24																				
382+63.65							776.62	Y																			
383+95.50		299.50	216.31	26.955			774.43																				
386+95.00							775.51	N																			
386+95.00		205.00	148.06	18.45			775.51																				
389+00.00							777.44	N																			

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410+10.00



406+80.00

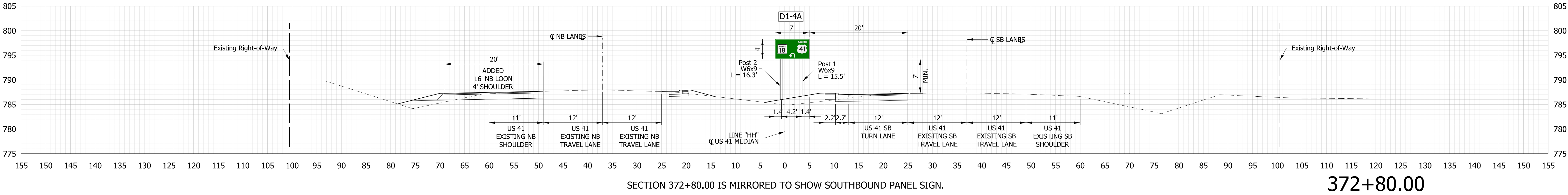
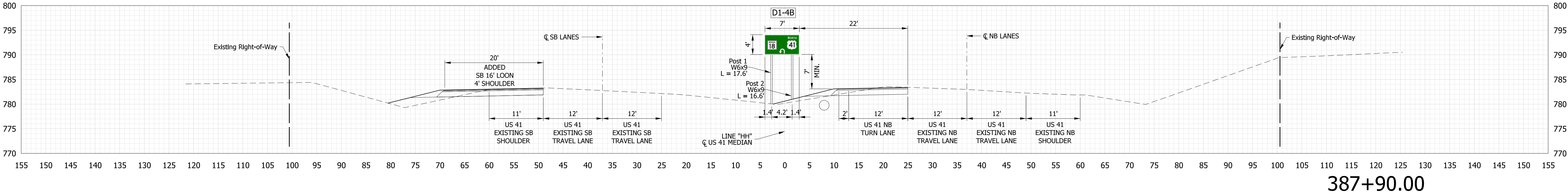
RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: LDW DRAWN: JEC
CHECKED: MAE CHECKED: MRW

INDIANA
DEPARTMENT OF TRANSPORTATION

PANEL SIGNS CROSS SECTIONS
LINE "A"

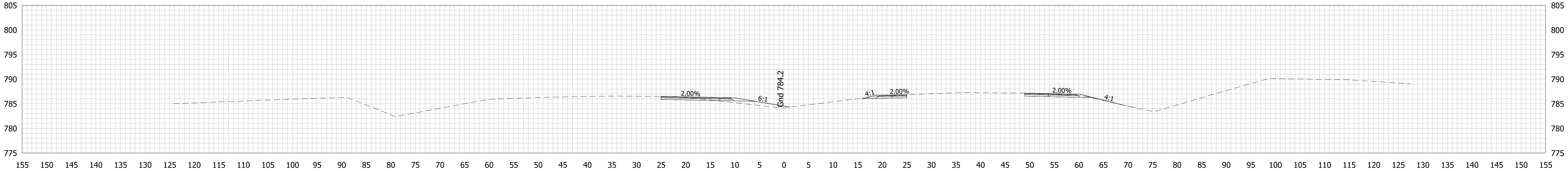
HORIZONTAL SCALE	BRIDGE FILE		
1"=10'			
VERTICAL SCALE	DESIGNATION		
1"=10'	2100059		
SURVEY BOOK	SHEETS		
	47	of	61
CONTRACT	PROJECT		
R-43688	2100059		



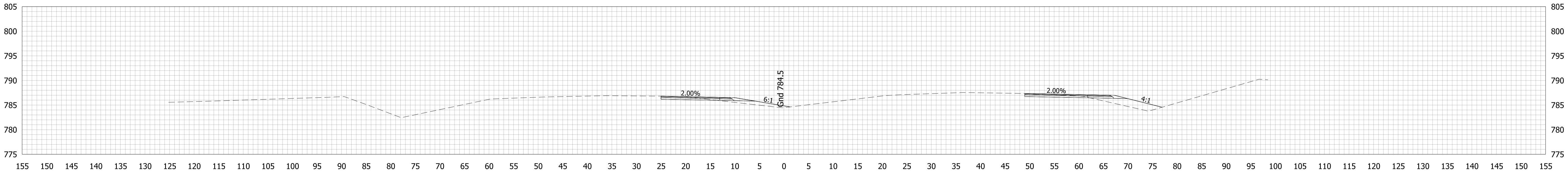
RECOMMENDED FOR APPROVAL _____	
DESIGNED: LDW	DRAWN: JEC
CHECKED: MAE	CHECKED: MRW

INDIANA DEPARTMENT OF TRANSPORTATION	
PANEL SIGNS CROSS SECTIONS LINE "HH"	

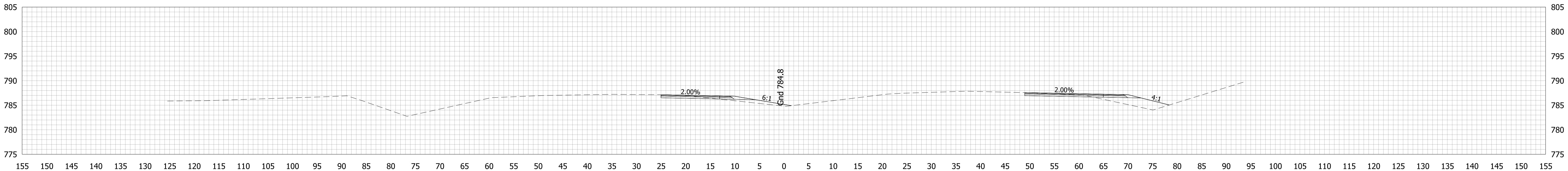
HORIZONTAL SCALE 1"=10'	BRIDGE FILE	
VERTICAL SCALE 1"=10'	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
CONTRACT R-43688	48 of 61	PROJECT



374+00.00



373+50.00



373+00.00

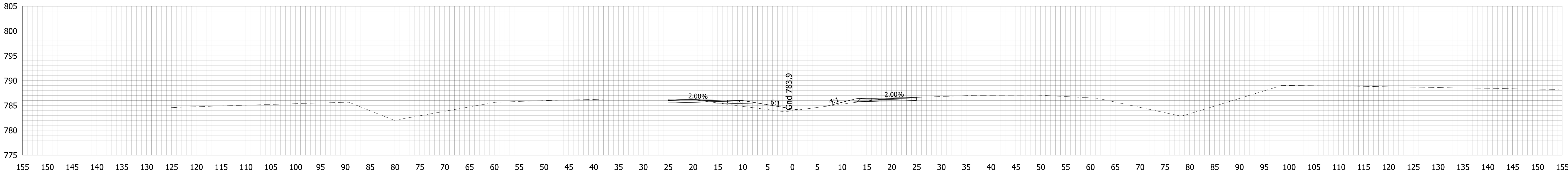
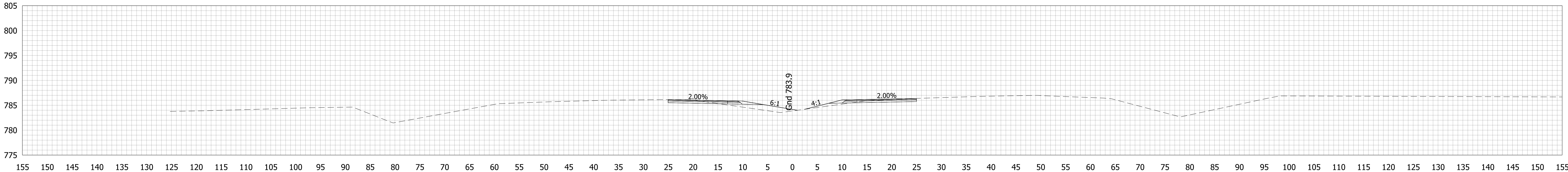
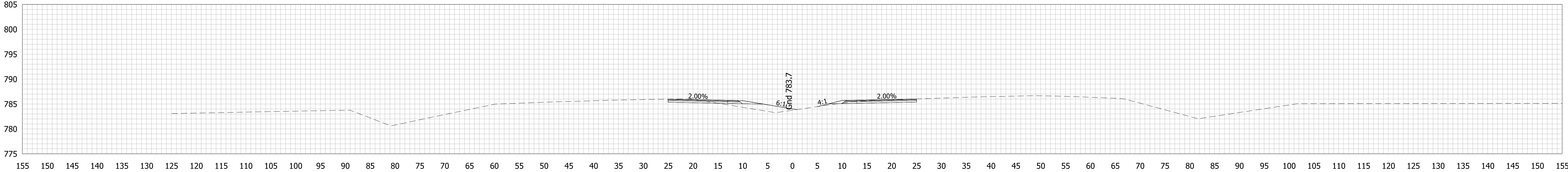
RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: LDW DRAWN: MRW
CHECKED: MAE CHECKED: LDW

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTION
LINE "HH"

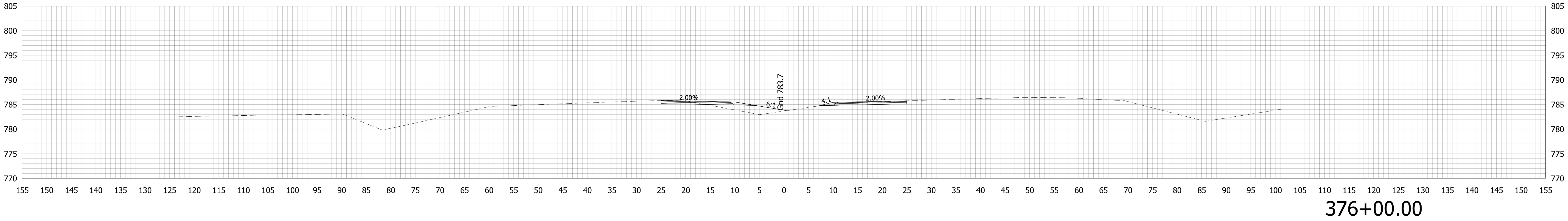
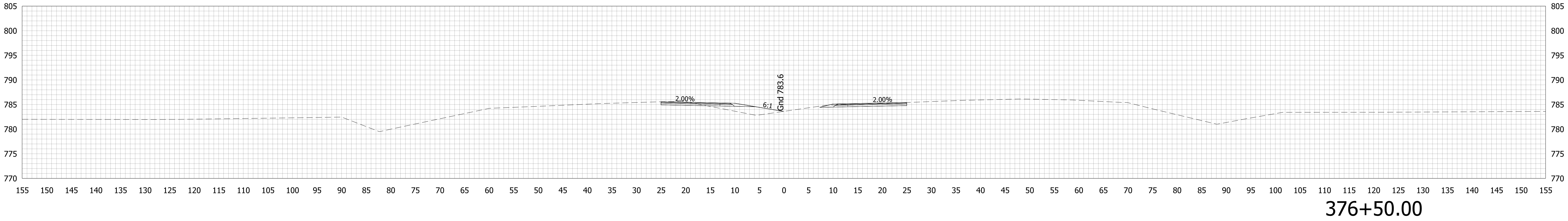
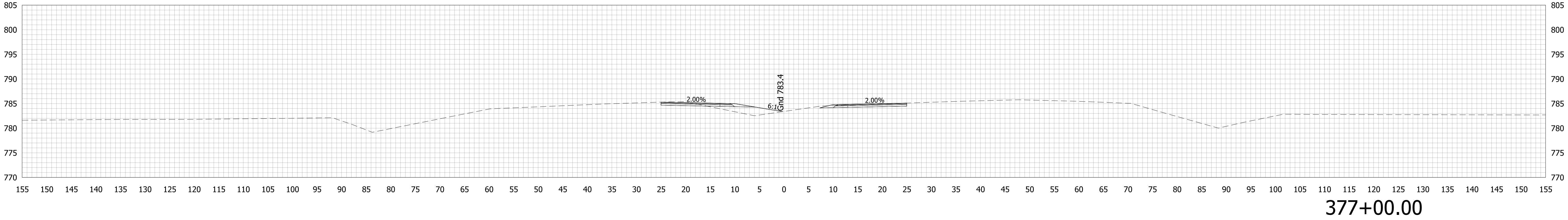
HORIZONTAL SCALE	BRIDGE FILE		
1"=10'			
VERTICAL SCALE	DESIGNATION		
1"=10'	2100059		
SURVEY BOOK	SHEETS		
	49	of	61
CONTRACT	PROJECT		
R-43688	2100059		



RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: LDW		DRAWN: MRW			
CHECKED: MAE		CHECKED: LDW			

INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTION LINE "HH"	

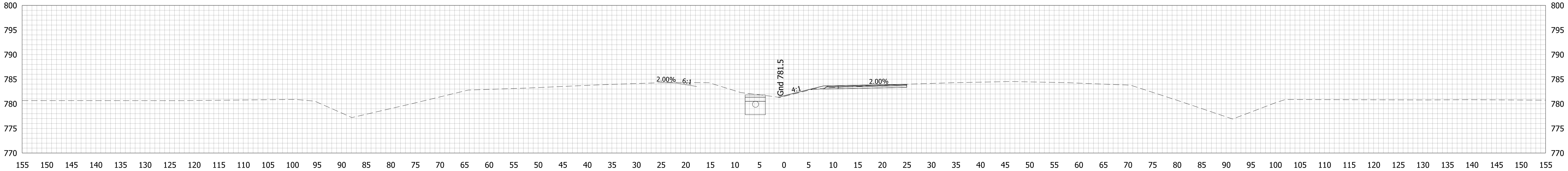
HORIZONTAL SCALE 1"=10'		BRIDGE FILE	
VERTICAL SCALE 1"=10'		DESIGNATION 2100059	
SURVEY BOOK		SHEETS	
		50	of 61
CONTRACT R-43688		PROJECT 2100059	



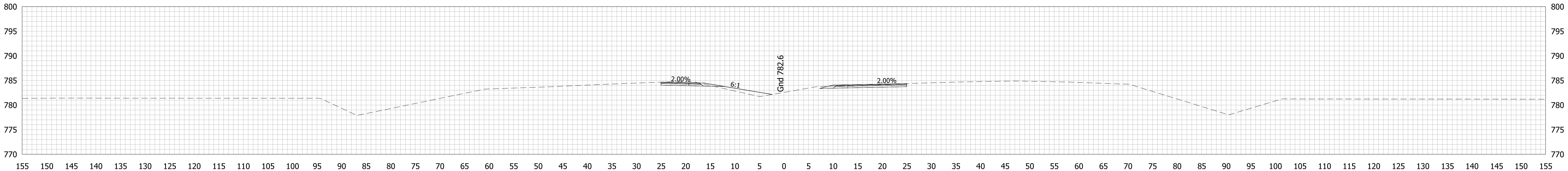
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: LDW		DRAWN: MRW			
CHECKED: MAE		CHECKED: LDW			

INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTION LINE "HH"	

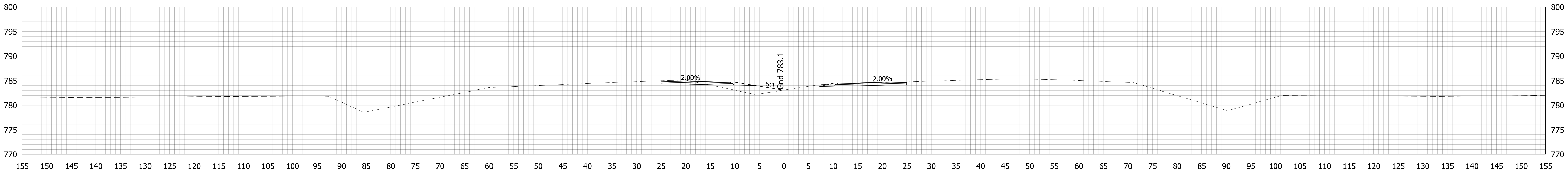
HORIZONTAL SCALE 1"=10'		BRIDGE FILE	
VERTICAL SCALE 1"=10'		DESIGNATION 2100059	
SURVEY BOOK		SHEETS	
		51	of 61
CONTRACT R-43688		PROJECT 2100059	



378+50.00



378+00.00



377+50.00

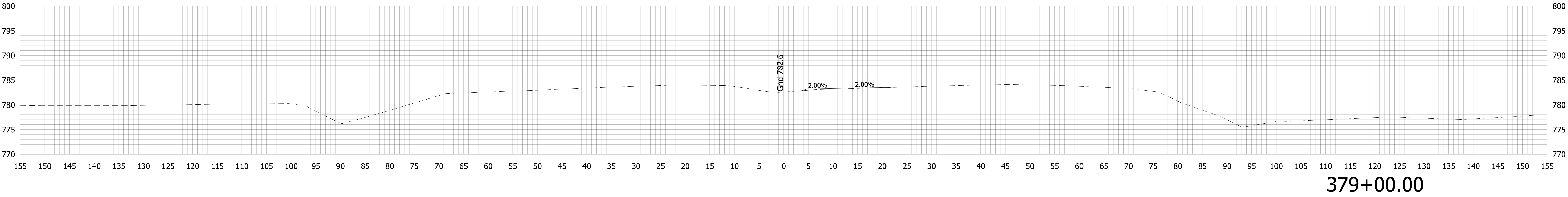
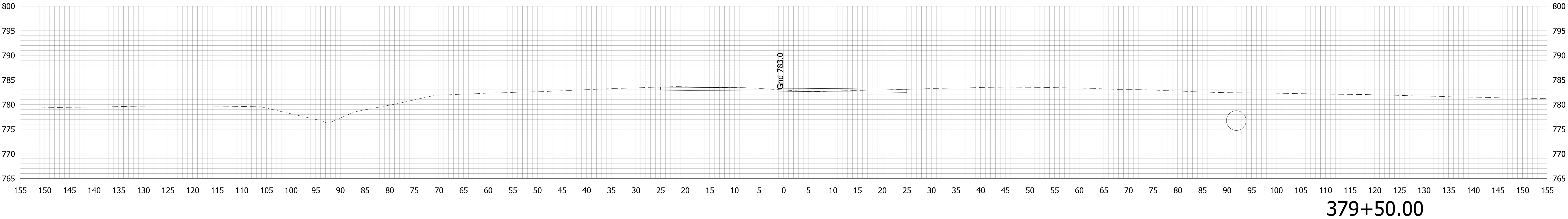
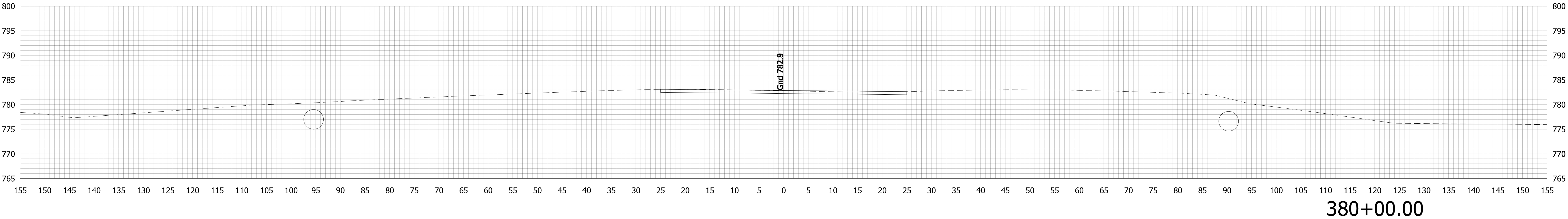
RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: LDW DRAWN: MRW
CHECKED: MAE CHECKED: LDW

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTION
LINE "HH"

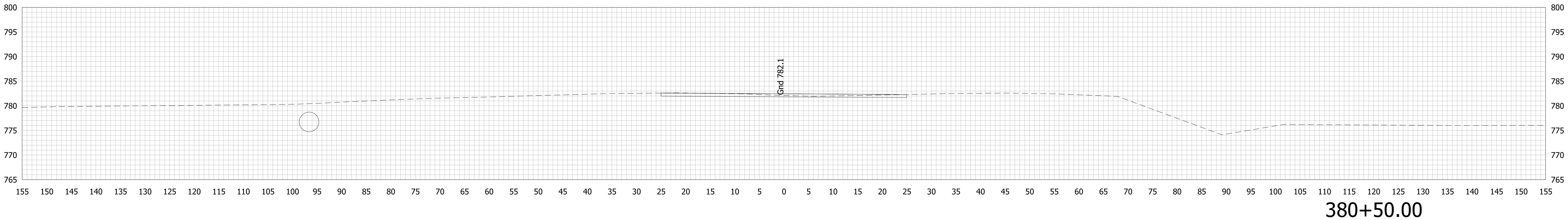
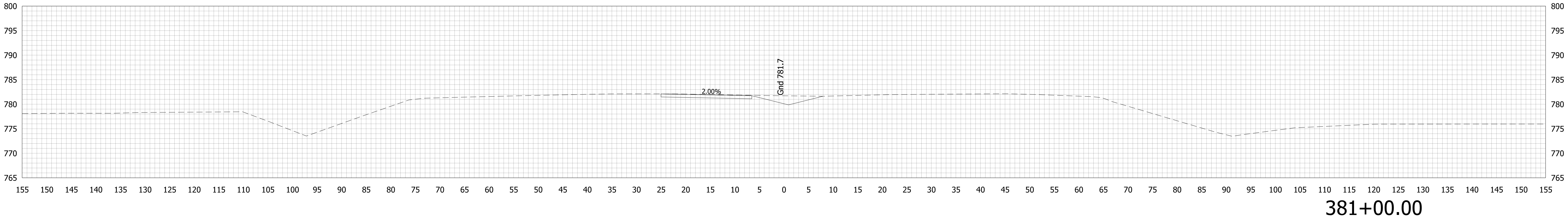
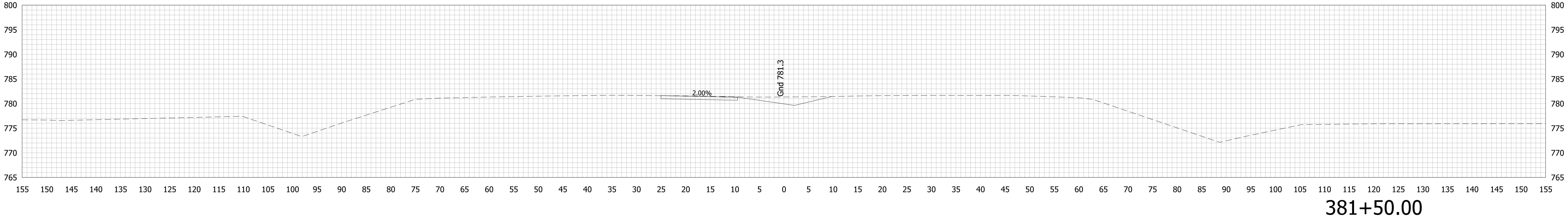
HORIZONTAL SCALE	BRIDGE FILE		
1"=10'			
VERTICAL SCALE	DESIGNATION		
1"=10'	2100059		
SURVEY BOOK	SHEETS		
	52	of	61
CONTRACT	PROJECT		
R-43688	2100059		



RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE
DESIGNED:	LDW	DRAWN:	MRW	
CHECKED:	MAE	CHECKED:	LDW	

INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTION LINE "HH"	

HORIZONTAL SCALE 1"=10'	BRIDGE FILE	
VERTICAL SCALE 1"=10'	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
	53	of 61
CONTRACT R-43688	PROJECT 2100059	



RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: LDW DRAWN: MRW

CHECKED: MAE CHECKED: LDW

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTION
LINE "HH"

HORIZONTAL SCALE

1"=10'

VERTICAL SCALE

1"=10'

SURVEY BOOK

CONTRACT

R-43688

BRIDGE FILE

DESIGNATION

2100059

SHEETS

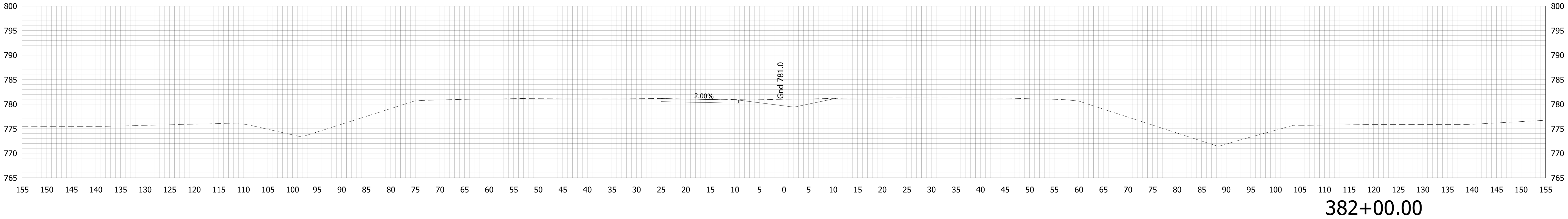
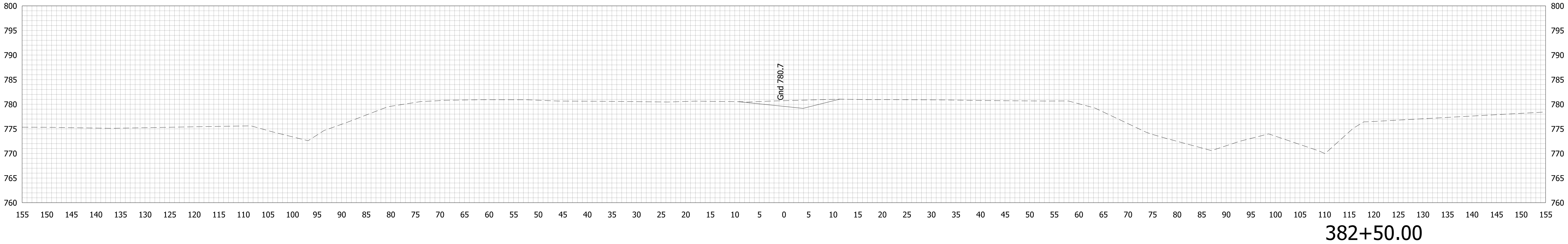
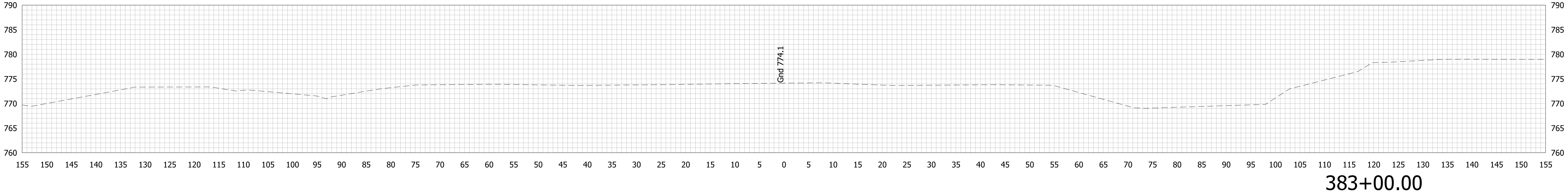
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PROJECT

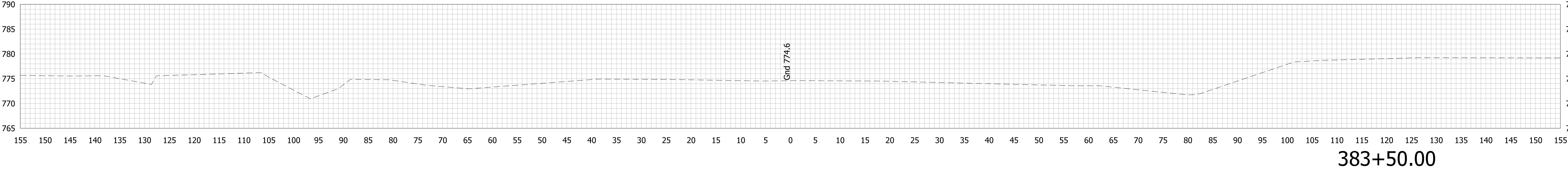
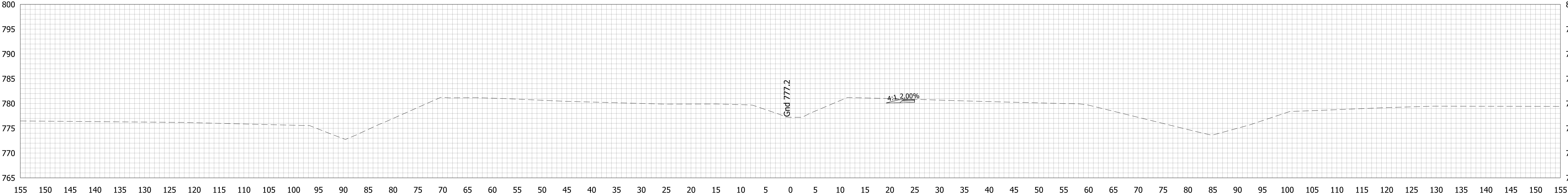
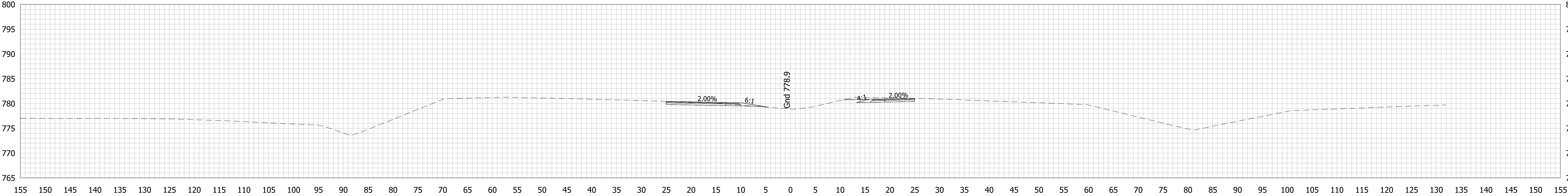
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INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTION LINE "HH"	

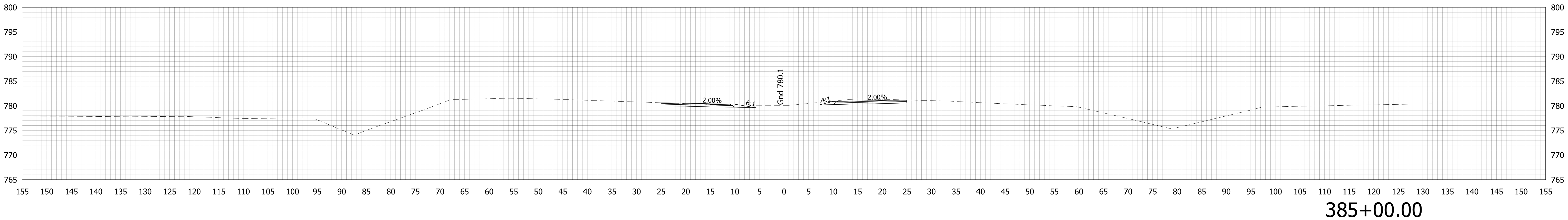
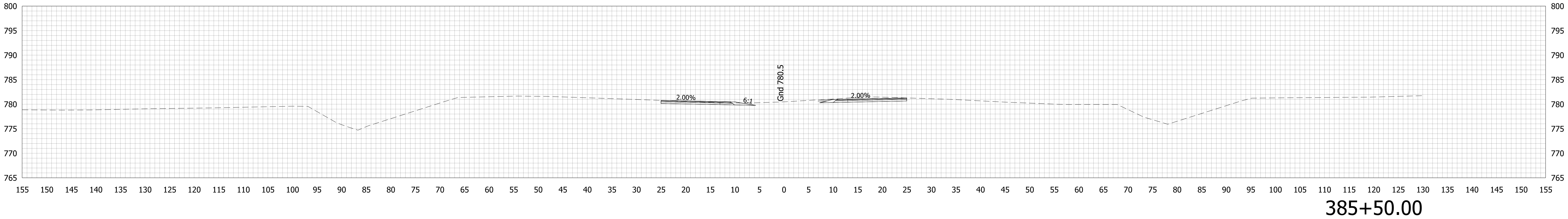
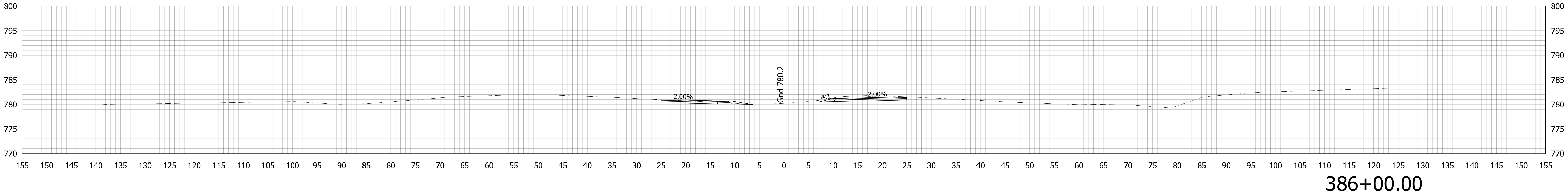
HORIZONTAL SCALE 1"=10'	BRIDGE FILE	
VERTICAL SCALE 1"=10'	DESIGNATION 2100059	
SURVEY BOOK	SHEETS	
	55 of 61	
CONTRACT R-43688	PROJECT 2100059	



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CHECKED: MAE		CHECKED: LDW			

INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTION LINE "HH"	

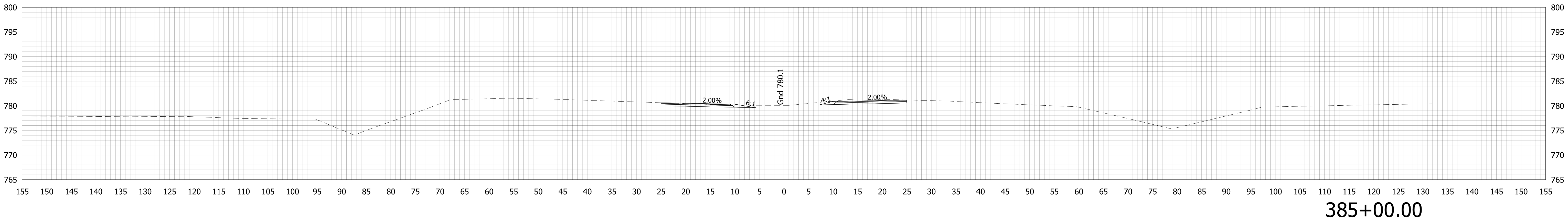
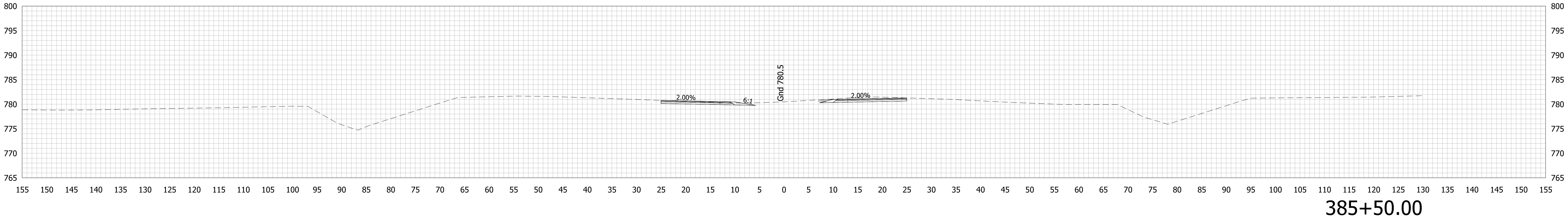
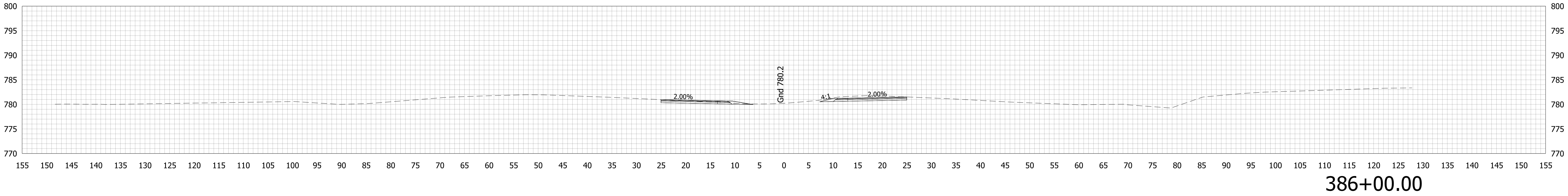
HORIZONTAL SCALE 1"=10'		BRIDGE FILE	
VERTICAL SCALE 1"=10'		DESIGNATION 2100059	
SURVEY BOOK		SHEETS	
CONTRACT R-43688		56	of 61
		PROJECT 2100059	



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CROSS SECTION LINE "HH"	

HORIZONTAL SCALE		BRIDGE FILE	
1"=10'		DESIGNATION	
VERTICAL SCALE		2100059	
1"=10'			
SURVEY BOOK		SHEETS	
		57	of 61
CONTRACT		PROJECT	
R-43688		2100059	



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FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____

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INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTION
LINE "HH"

HORIZONTAL SCALE

1"=10'

VERTICAL SCALE

1"=10'

SURVEY BOOK

CONTRACT

R-43688

BRIDGE FILE

DESIGNATION

2100059

SHEETS

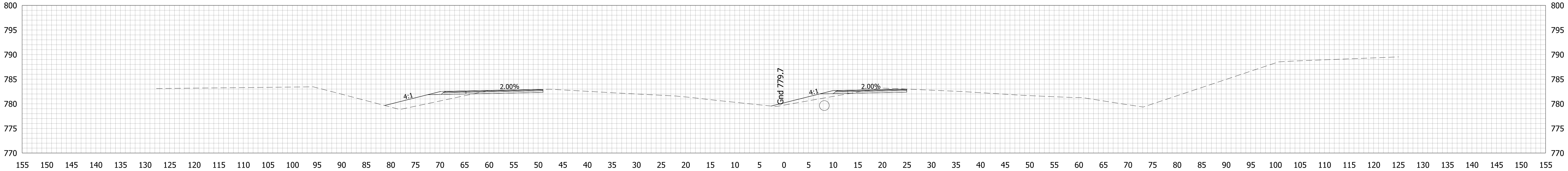
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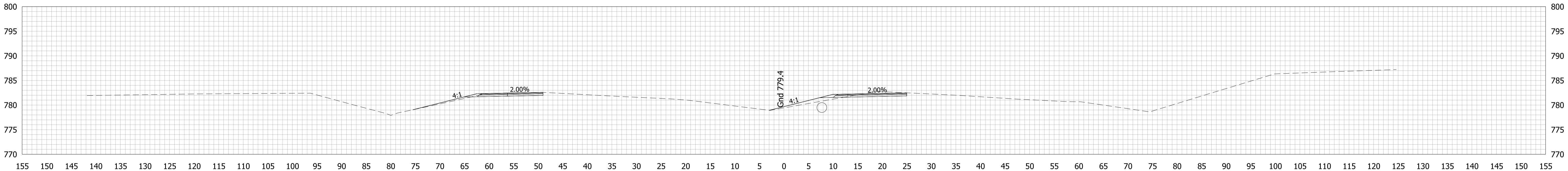
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PROJECT

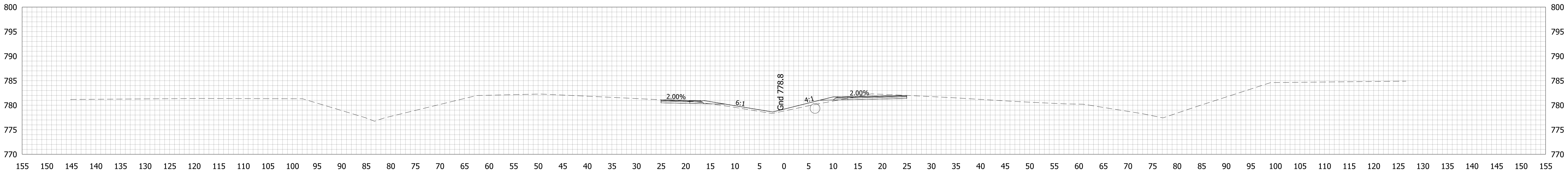
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387+50.00



387+00.00



386+50.00

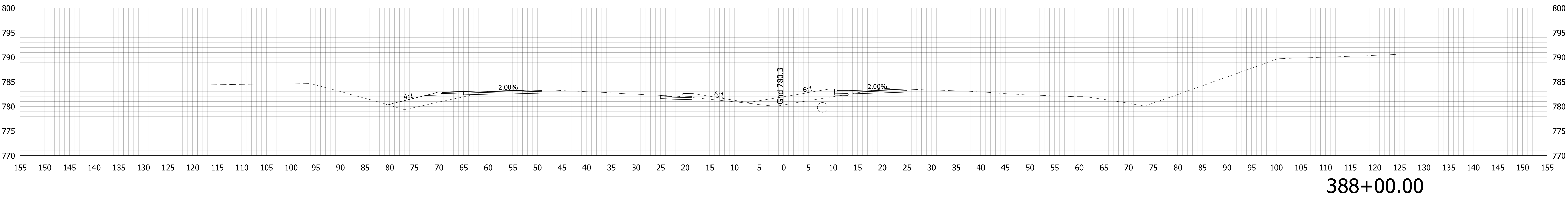
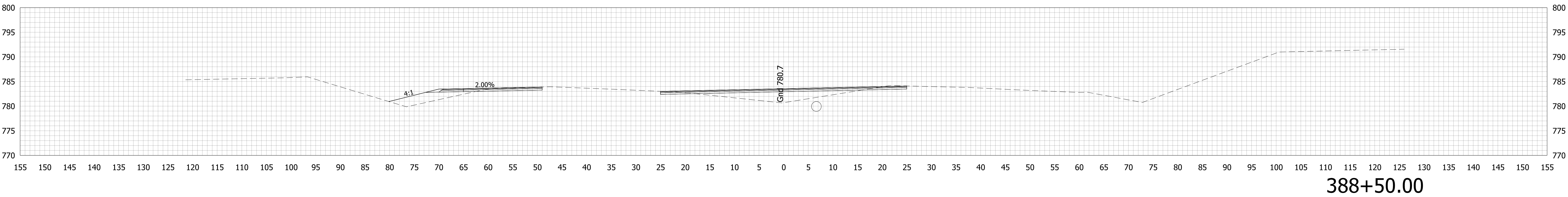
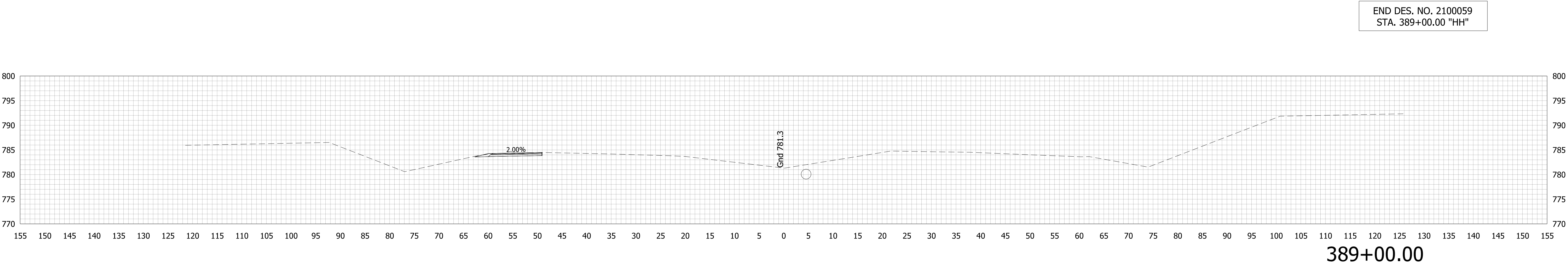
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DESIGN ENGINEER _____ DATE _____

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INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTION
LINE "HH"

HORIZONTAL SCALE	BRIDGE FILE		
1"=10'			
VERTICAL SCALE	DESIGNATION		
1"=10'	2100059		
SURVEY BOOK	SHEETS		
	59	of	61
CONTRACT	PROJECT		
R-43688	2100059		

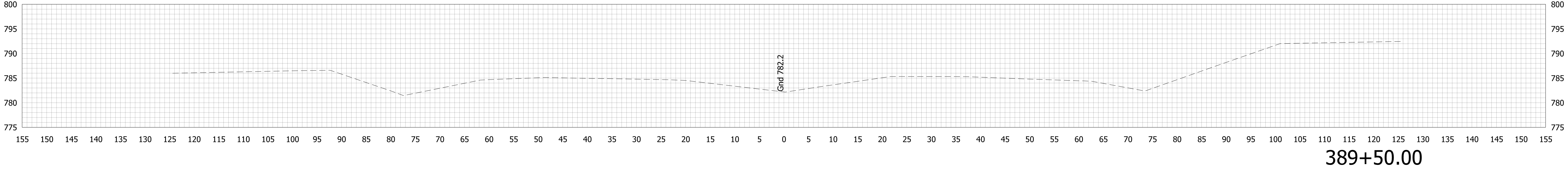


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CHECKED: MAE		CHECKED: LDW			

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTION
LINE "HH"

HORIZONTAL SCALE 1"=10'		BRIDGE FILE	
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		60	of 61
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VERTICAL SCALE 1"=10'		DESIGNATION 2100059	
SURVEY BOOK		SHEETS	
CONTRACT R-43688		61 of 61	PROJECT 2100059