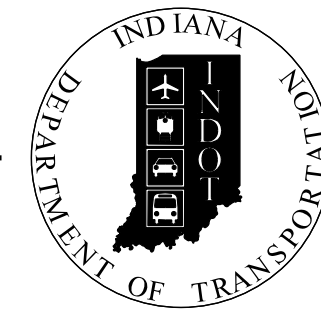


PROJECT	DESIGNATION
2200175	2200175
CONTRACT	BRIDGE FILE
B-44263	P000-64-07069A & TBD

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
P000-64-07069A	Reinforced Concrete Beam Bridge (EBL)	8 Spans: 19'-7", 6 @ 20'-0", 19'-7" (EBL) No Skew	Dunes Creek	Sta. 103+41.65 Line "A" (EBL)
TBD	Prestressed Concrete NEXT Beam Bridge (WBL)	5 Spans @ 39'-3", 3 @ 40'-0" 39'-3" (WBL) No Skew	Dunes Creek	Sta. 103+41.35 Line "PR-A" (WBL)

INDIANA DEPARTMENT OF TRANSPORTATION



BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: WILSON ROAD AT: N/A

PROJECT NO. 2200175 P.E.
R/W
2200175 CONST.

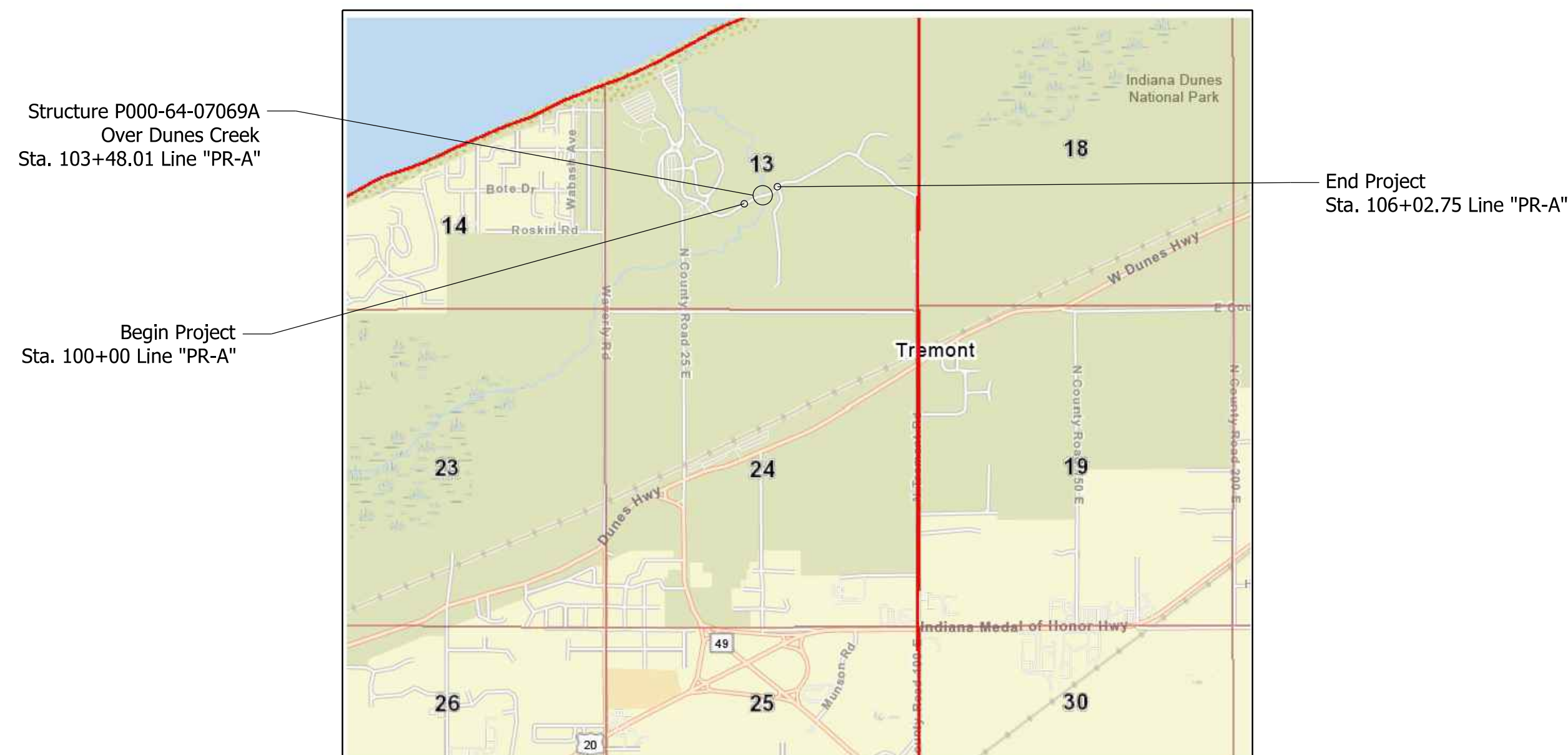
NO ADDITIONAL RIGHT-OF-WAY
REQUIRED FOR THIS PROJECT

REVIEW OF DESIGN PLANS/DOCUMENTS
REVIEWED FOR DESIGN FEATURES

(Bridge Reviewer)

Randy Henderson 3/18/24
BY: _____ DATE: _____
EGIS BLN USA, INC.

Bridge Rehabilitation and New Bridge Construction on Wilson Road Over Dunes Creek
Located in the Indiana Dunes State Park
Section 13, T-37-N, R-06-W, Westchester Township, Porter County



LOCATION MAP
PORTER COUNTY

STAGE 2 PLANS
NOT FOR CONSTRUCTION
FEBRUARY 22, 2024

TRAFFIC DATA	
A.A.D.T. (2025)	TBD V.P.D.
A.A.D.T. (2045)	TBD V.P.D.
D.H.V (2045)	TBD V.P.H.
DIRECTIONAL DISTRIBUTION	TBD %
TRUCKS	TBD % A.A.D.T. TBD % D.H.V.
DESIGN DATA	
DESIGN SPEED	15 M.P.H.
PROJECT DESIGN CRITERIA	RECREATIONAL ROAD
FUNCTIONAL CLASSIFICATION	AREA ROAD
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE



SCALE: 1" = 2000'

LATITUDE: 41° 39' 24" N LONGITUDE: 87° 03' 27" W

BRIDGE LENGTH: 0.038 MI.
ROADWAY LENGTH: 0.076 MI.
TOTAL LENGTH: 0.114 MI.
MAX. GRADE: +2.10 %

HUC: 040400010602

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2024 TO
BE USED WITH THESE PLANS.

PLANS PREPARED BY: **HANSON** (317)293-9024
PHONE NUMBER
CERTIFIED BY: _____ DATE
APPROVED FOR LETTING: _____ DATE
INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE FILE	
P000-64-07069A & TBD	
DESIGNATION	
2200175	
SURVEY BOOK	SHEETS
1	of 32
CONTRACT	PROJECT
B-44263	2200175

UTILITIES

--

GENERAL NOTES

Plans for the existing structure are available upon request from the Research & Documents Library, Indiana Department of Transportation.

Where new work is to be fitted to old work, the contractor shall check all dimensions and conditions in the field and report all errors or discrepancies to the Engineer and assume responsibility for their correctness and fit of the new part to the old.

All earth shoulders, median ares, cut and fill slopes shall be plain or mulch seeded except where sodding is specified.

All existing storm drainage pipes, inlets, and manholes shall remain unless otherwise noted.

All disturbed areas shall be seeded with seed mixture "R" unless otherwise noted.

All slopes are to be repaired with a minimum amount of grading so as not to disturb existing vegetation more than necessary.

INDEX

SHEET NO.	SUBJECT
1	TITLE
2	INDEX
3	TYPICAL SECTIONS
4-10	MAINTENANCE OF TRAFFIC
11	PLAN & PROFILE - LINE "PR-A"
12-15	CONSTRUCTION DETAILS SANITARY SEWER
16	EROSION CONTROL PLAN
17	EROSION CONTROL DETAILS
18	LANDSCAPE PLAN
19	TREE REMOVAL PLAN
20	PAVEMENT MARKING AND TRAFFIC SIGN DETAILS
21	LAYOUT - LINE "A"
22	LAYOUT - LINE "PR-A"
23-25	GENERAL PLANS
26	BRIDGE SUMMARY
27	ROAD SUMMARY
28-32	CROSS SECTIONS



REVISIONS

SHEET NO.	DATE	REVISED

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

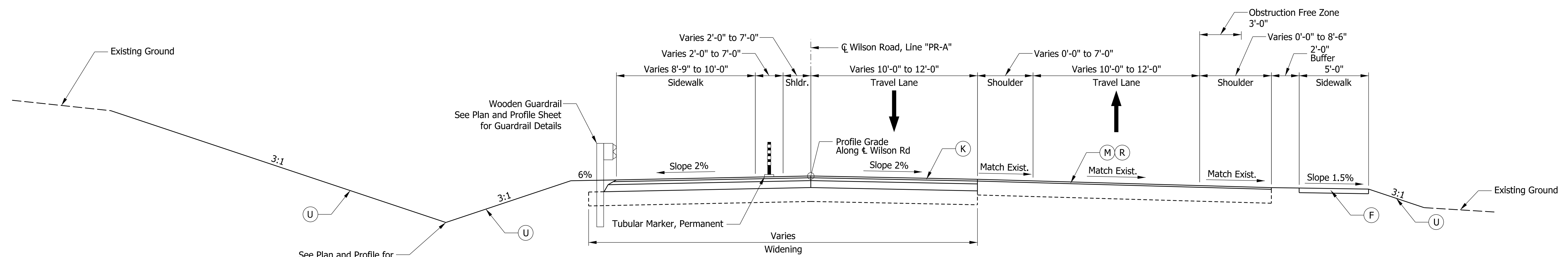
DESIGNED: RBR DRAWN: MGM

CHECKED: CMB CHECKED: CMB

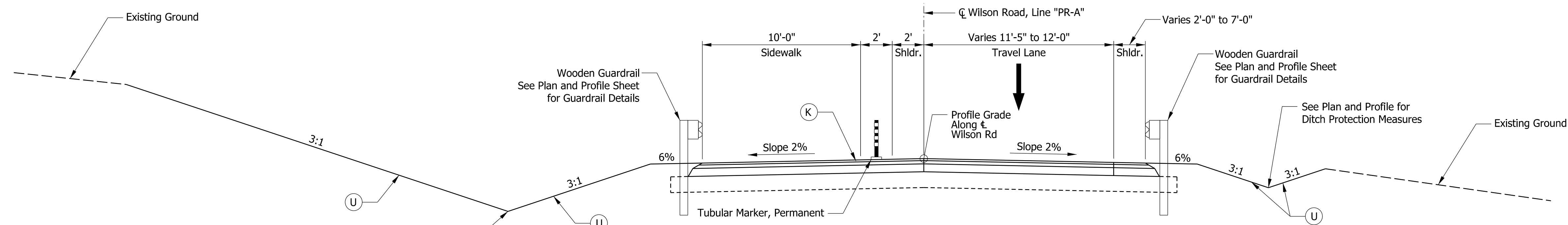
INDIANA DEPARTMENT OF TRANSPORTATION

INDEX

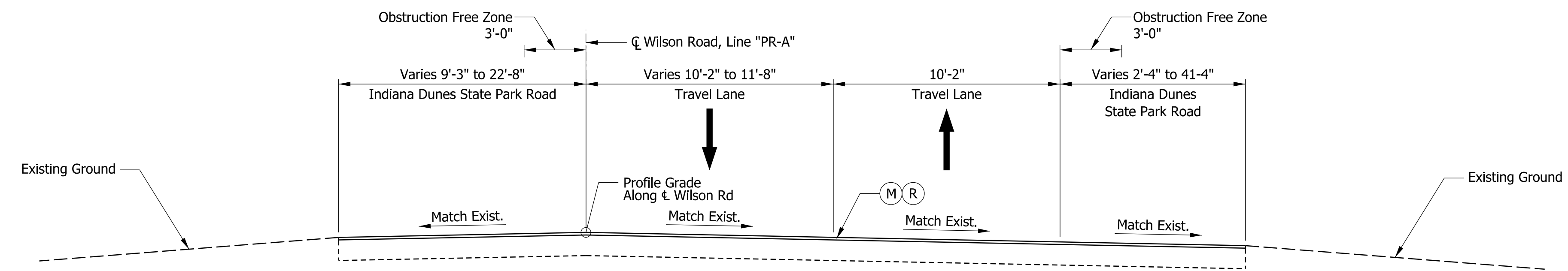
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P000-64-07069A & TBD			
SCALE			
DESIGNATION			
2200175			
SURVEY BOOK		SHEETS	
2		of 32	
CONTRACT		PROJECT	
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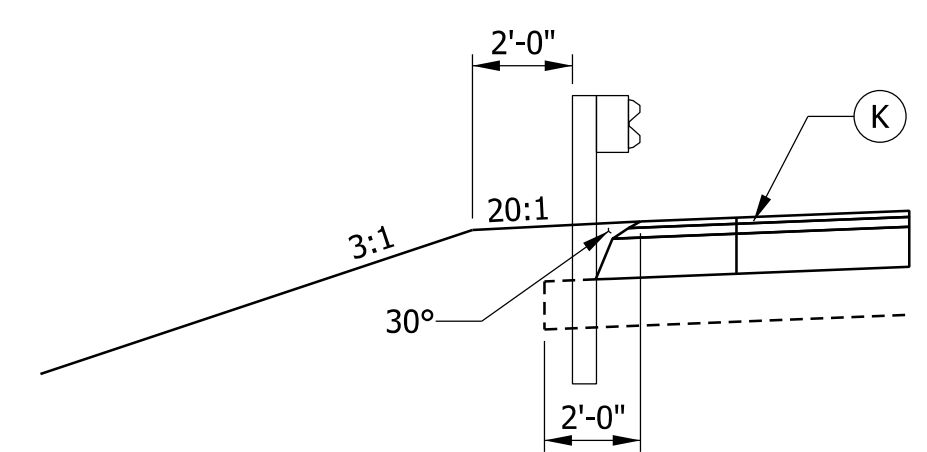
TYPICAL SECTION - MILLING & WIDENING
Wilson Road
Sta. 100+00.00 "PR-A" to Sta. 101+12.97 "PR-A"
Sta. 105+18.97 "PR-A" to Sta. 106+12.70 "PR-A"



TYPICAL SECTION FULL DEPTH
Wilson Road
Sta. 101+12.97 "PR-A" to Sta. 102+20.85 "PR-A"
Sta. 104+61.85 "PR-A" to Sta. 105+18.97 "PR-A"
Bridge Exception Limits: Sta. 102+20.85 "PR-A" to Sta. 104+61.85 "PR-A"



INCIDENTAL TYPICAL SECTION
Wilson Road
Sta. 106+12.70 "PR-A" to Sta. 106+36.07 "PR-A"



OUTSIDE SHOULDER SAFETY EDGE WITH GUARDRAIL DETAIL

Note to Reviewer:
Pavement Design To Be Completed in Future Submittal.
Current Pavement Design Per IDM Figure 601-5C.

- LEGEND**
- (F) Concrete Sidewalk, 4 in.
 - (K) 165 LB/SYD QC/QA-HMA, 3, 64, Surface, 9.5mm on 275 LB/SYD QC/QA-HMA, 3, 64, Intermediate, 19.0mm on 660 LB/SYD QC/QA-HMA, 3, 64, Base 25.0mm on Subgrade Treatment, Type IC on Geotextile for Pavement, Type 2B
 - (M) Milling, 1.5 in.
 - (R) 165 LB/SYD QC/QA-HMA, 3, 64, Surface, 9.5mm
 - (U) Seed Mixture, Type R

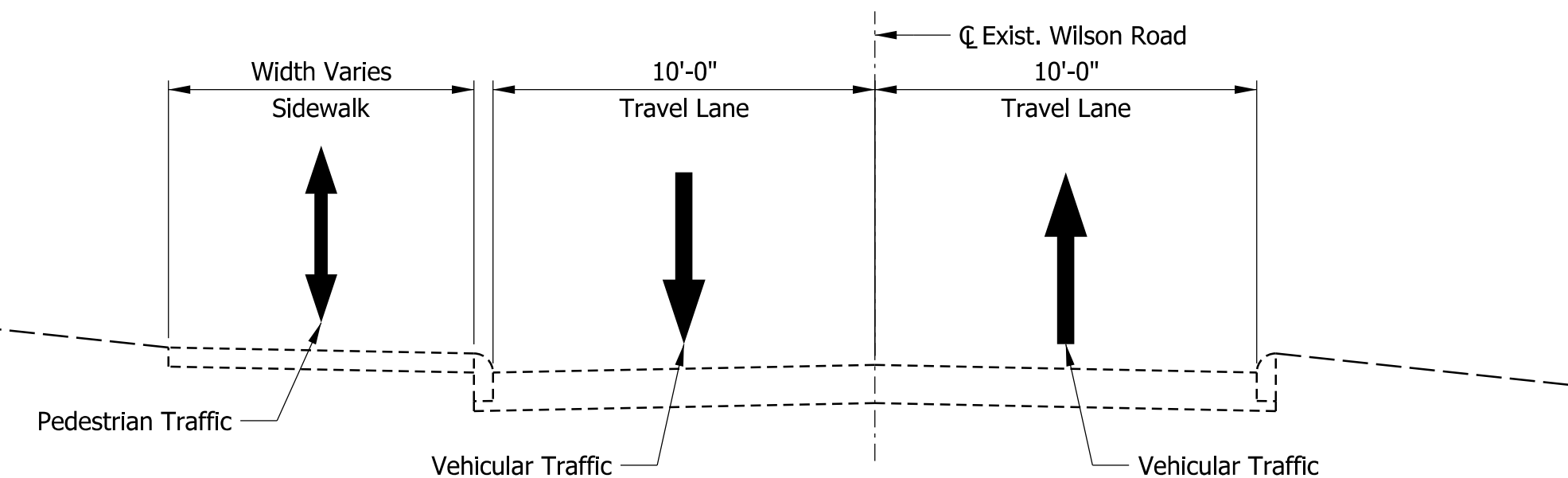
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CRW	10/13/2023	DRAWN: CRW
CHECKED: DJK	10/13/2023	CHECKED: DJK

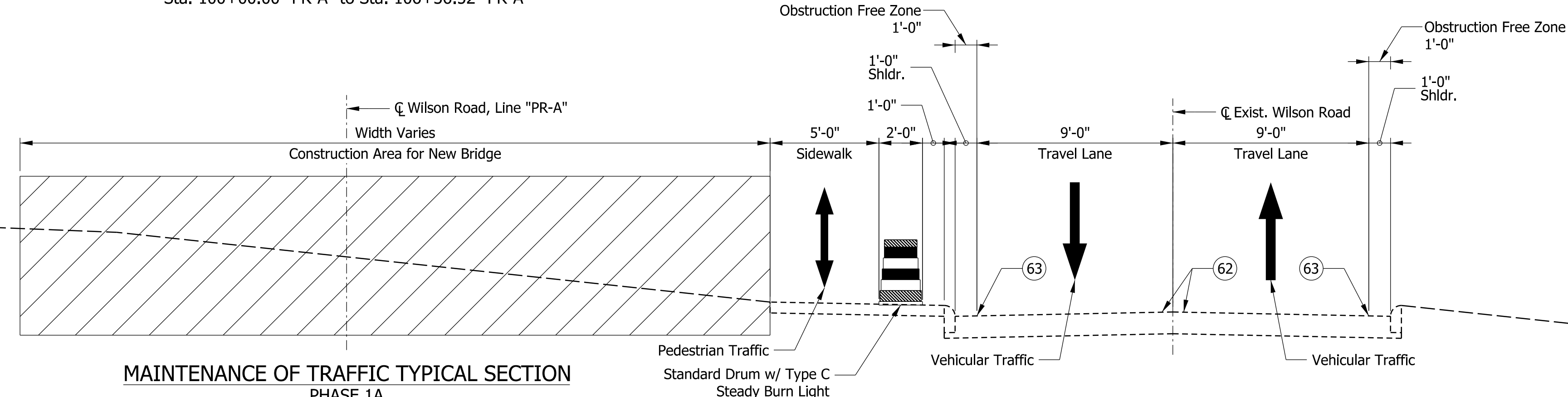
INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS	

BRIDGE FILE		P000-64-07069A & TBD
SCALE		DESIGNATION
1/4" = 1'		2200175
SURVEY BOOK		SHEETS
3		of 32
CONTRACT		PROJECT
B-44263		2200175

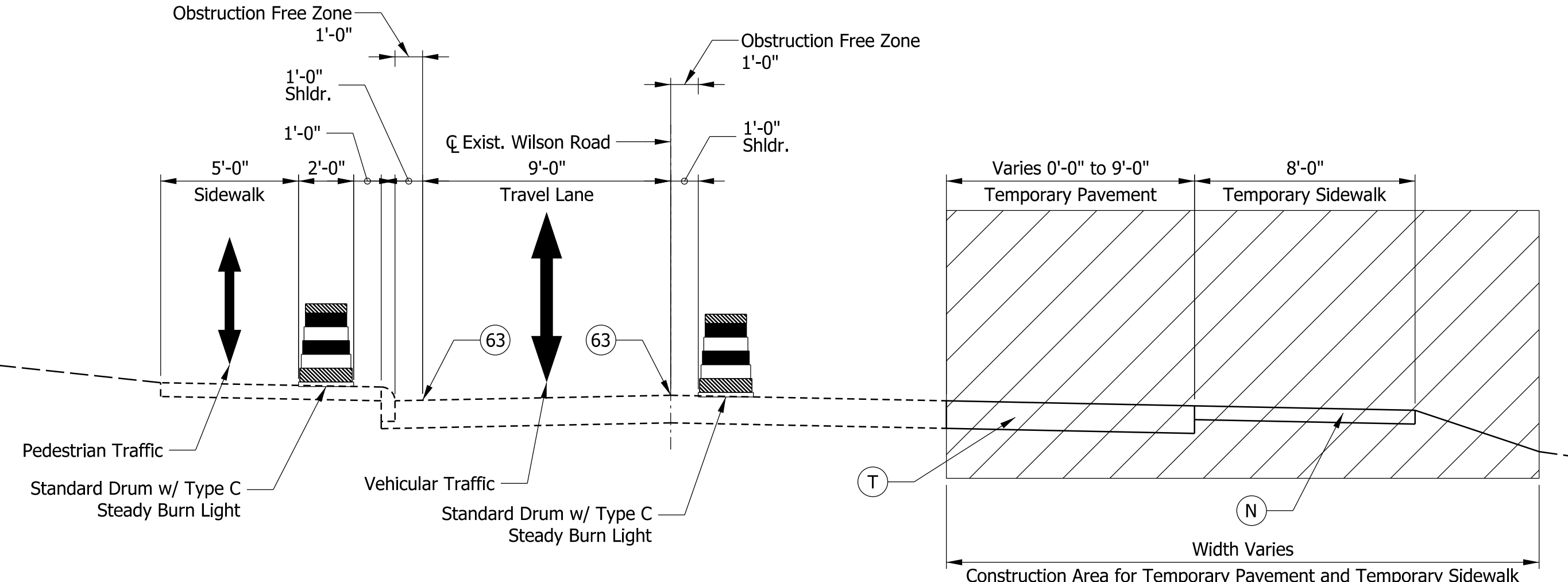
MAINTENANCE OF TRAFFIC TYPICAL SECTION
EXISTING CONDITIONS
Sta. 100+00.00 "PR-A" to Sta. 106+36.52 "PR-A"



MAINTENANCE OF TRAFFIC TYPICAL SECTION
PHASE 1A
Sta. 100+00.00 "PR-A" to Sta. 106+36.52 "PR-A"



MAINTENANCE OF TRAFFIC TYPICAL SECTION
PHASE 1B
Sta. 100+00.00 "PR-A" to Sta. 106+36.52 "PR-A"



MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION NARRATIVE:

- Phase 1A shall construct the new bridge on the project while maintaining existing pedestrian and vehicular traffic on the existing Wilson Road structure.
- Phase 1B shall construct temporary roadway pavement and temporary sidewalk while maintaining existing pedestrian traffic on the existing Wilson Road structure. Vehicular traffic shall use a temporary signal and a single two-way travel lane on the existing Wilson Road structure.
- Phase 1C shall construct the proposed full depth asphalt pavement on the approaches to the new bridge on the project and the curb ramps to the north of Wilson Road. Pedestrian traffic shall use the temporary sidewalk adjacent to EB Wilson Road. Vehicular traffic shall use a temporary signal and a single two-way travel lane on the existing Wilson Road structure.
- Phase 2A shall complete rehabilitation work of the existing structure, a portion of the mill and overlay of existing Wilson Road on the approaches to the existing structure, remove the temporary pavement and sidewalk, and construct the proposed sidewalk and curb ramp to the southwest of the existing structure. Vehicular and pedestrian traffic shall be placed onto the new bridge.
- Phase 2B shall complete the mill and overlay of existing Wilson Road, install the proposed curb barrier w/ delineators, install permanent pavement markings and signs, and install the proposed crosswalk and curb ramps. The Contractor shall complete this phase using flaggers and return vehicular and pedestrian traffic to the proposed permanent configuration at the end of each working day.

MAINTENANCE OF TRAFFIC NOTES:

- The Maintenance of Traffic Notes shown in this list apply to all work zones and phases of construction unless otherwise noted.
- Sign placement shall be coordinated with adjacent projects and any special events in Indiana Dunes State Park to ensure conflicting/duplicate signs are not placed.

LEGEND

- Construction Area
- 4" Compacted Aggregate, No. 73, for Temporary Sidewalk
- 12" Compacted Aggregate, No. 53, for Temporary Pavement
- Temporary Pavement Marking, 4" Solid Yellow Line, Removable
- Temporary Pavement Marking, 4" Solid White Line, Removable

MOT Work Zone Design Speed = 15 MPH

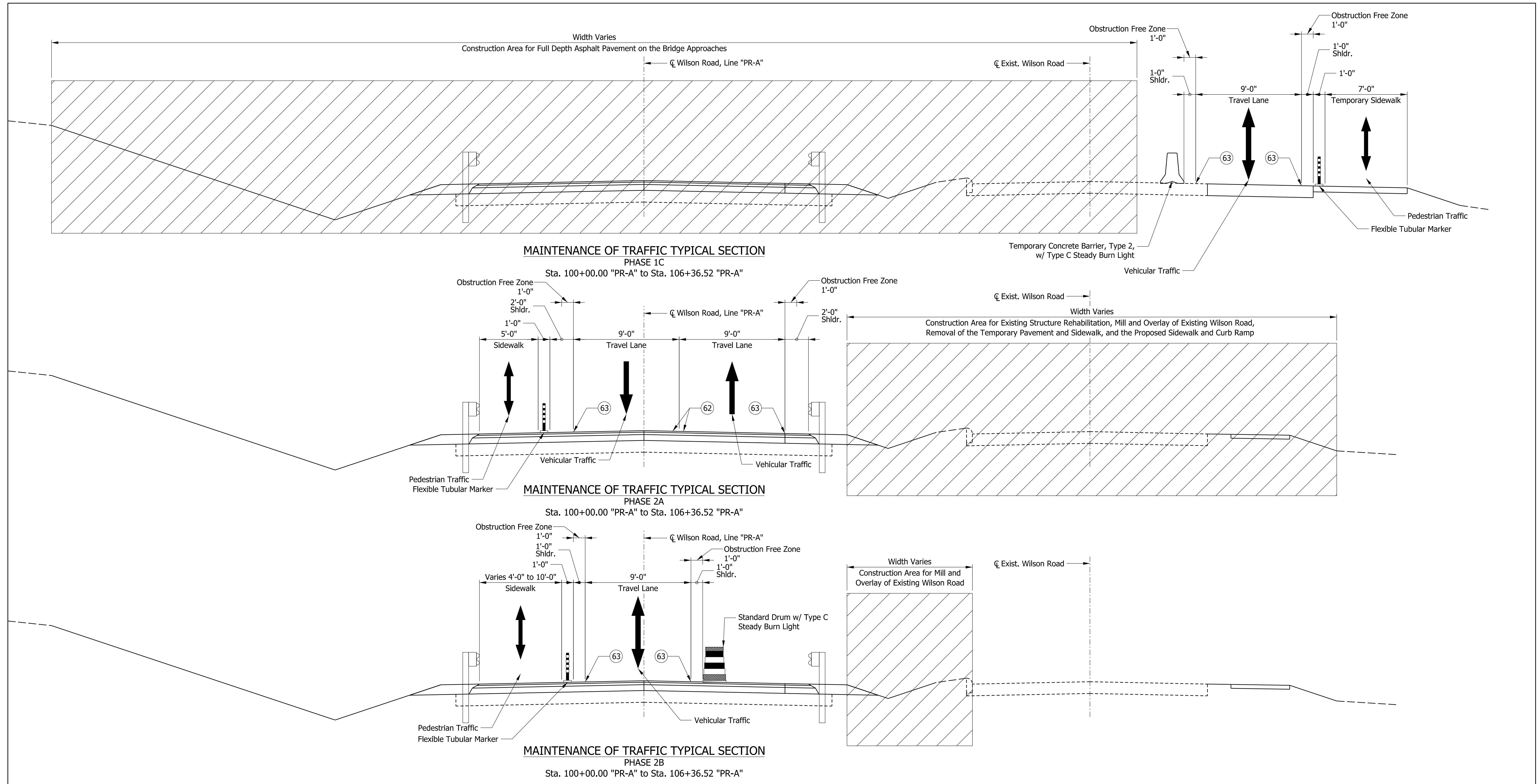
DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CRW	02/14/2024	DRAWN: CRW
CHECKED: DJK	02/14/2024	CHECKED: DJK

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
WILSON ROAD TYPICAL SECTIONS

BRIDGE FILE	P000-64-07069A & TBD
SCALE	DESIGNATION
1/4" = 1'	2200175
SURVEY BOOK	SHEETS
4	of 32
CONTRACT	PROJECT
B-44263	2200175



MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION NARRATIVE:

- See Maintenance of Traffic Sequence of Construction Narrative on MOT Typical Sections Sheet 1 of 2.

MAINTENANCE OF TRAFFIC NOTES:

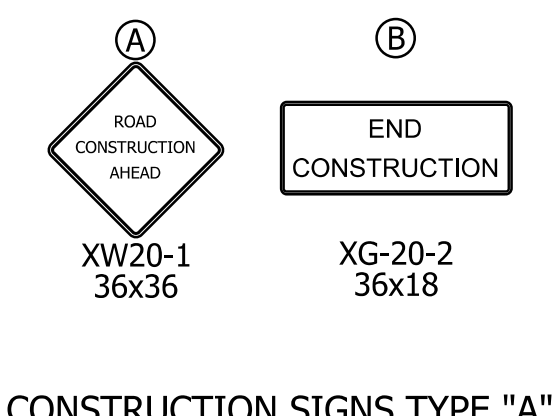
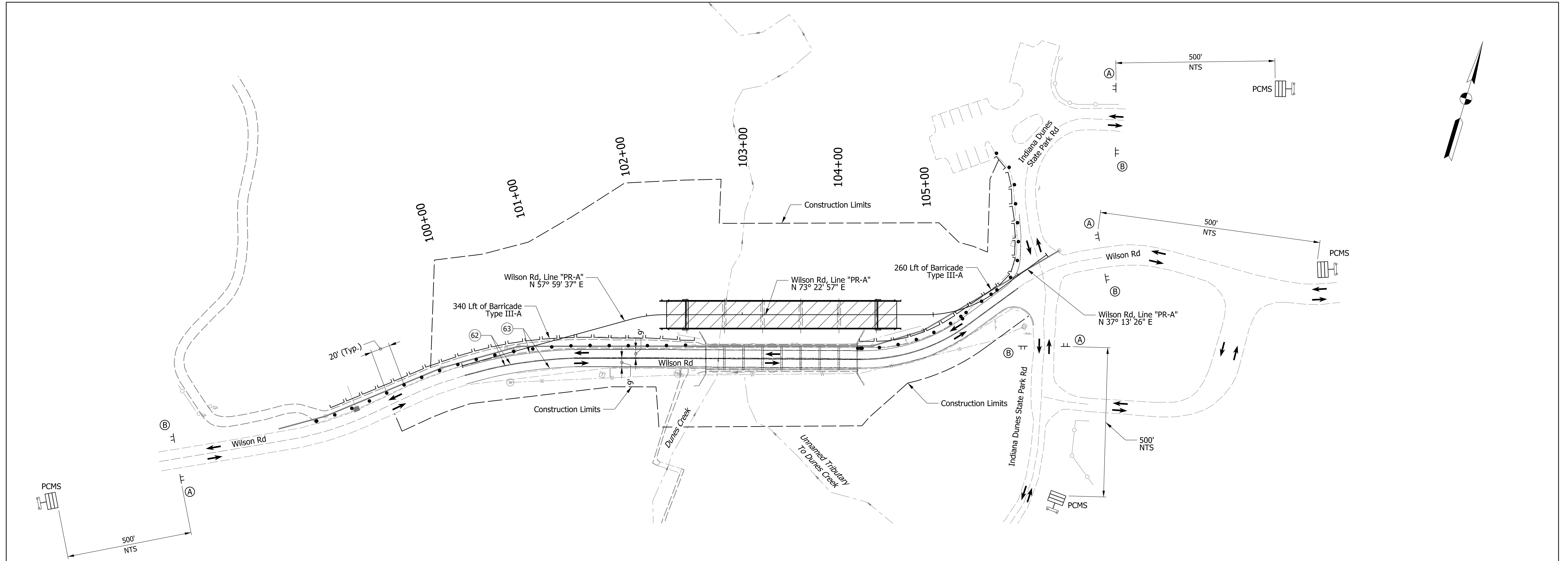
- See Notes on MOT Typical Sections Sheet 1 of 2.

LEGEND

- Construction Area
- 4" Compacted Aggregate, No. 73, for Temporary Sidewalk
- 12" Compacted Aggregate, No. 53, for Temporary Pavement
- Temporary Pavement Marking, 4" Solid Yellow Line, Removable
- Temporary Pavement Marking, 4" Solid White Line, Removable

MOT Work Zone Design Speed = 15 MPH

DATE		REVISION		RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE			
									P000-64-07069A & TBD			
							DESIGNED: CRW 02/14/2024 DRAWN: CRW 02/14/2024		DESIGNATION		2200175	
									CHECKED: DJK 02/14/2024 CHECKED: DJK 02/14/2024		SURVEY BOOK	
						MAINTENANCE OF TRAFFIC WILSON ROAD TYPICAL SECTIONS		5 of 32				
								CONTRACT		PROJECT		
								B-44263		2200175		



- Notes:
1. All Advance Sign Locations Shall Not Prohibit Access to Any Side Street or Entrance.
 2. All Existing Roadway Signage Shall Remain In Place Unless Otherwise Noted As Per The Direction Of The Engineer.
 3. Any Existing Signs In Conflict With The Maintenance Of Traffic Shall Be Covered As Per The Direction Of The Engineer.
 4. Signs Shown On This Sheet For Maintenance Of Traffic Shall Be Maintained Through All Construction Phases.
 5. Place All Signs Shown At Least 100-ft From All Other Existing Signs, Signals or Other Devices Present Along Roadside.
 6. One (1) Portable Changeable Message Sign Shall Be Placed 500' In Advance Of The First Construction Sign For Each Approach Along Wilson Road and for Each Approach Along Indiana Dunes State Park Road.

MOT Work Zone Design Speed = 15 MPH

- ⑥2 Temporary Pavement Marking, 4" Solid Yellow Line, Removable
- ⑥3 Temporary Pavement Marking, 4" Solid White Line, Removable
- ⑥4 Temporary Pavement Marking, 6" Solid White Line, Removable
- ⑥7 Temporary Pavement Marking, 24" Solid White Line, Removable

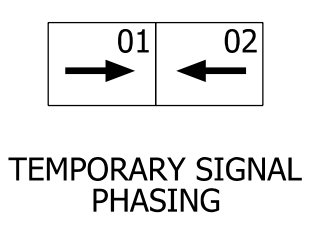
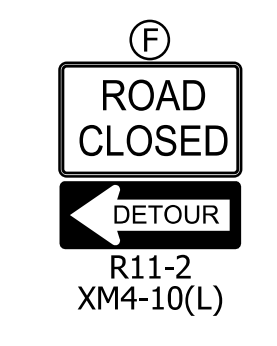
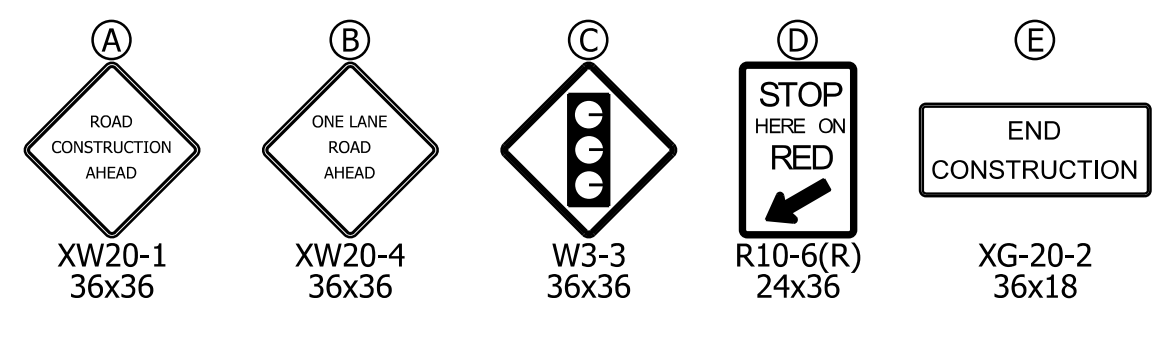
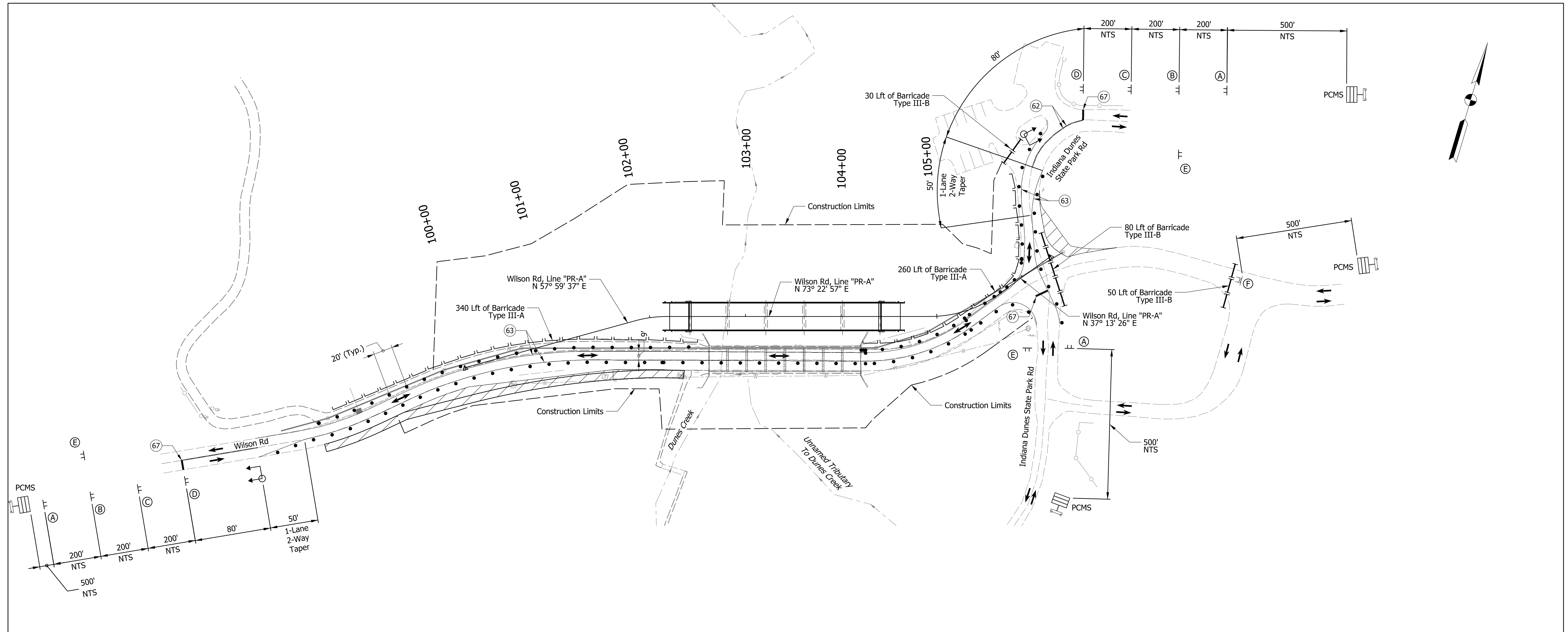
LEGEND	
• Standard Drum w/ Type C Steady Burn Light	▨ Construction Area
• Tubular Marker	▬ Temporary Concrete Traffic Barrier, Type 2 w/ Type C Steady Burn Lights
→ Traffic Flow	▧ Construction Sign
▭ Portable Changeable Message Sign (PCMS)	▧ Road Closure Assembly
	▧ Barricade Type III-A
	▧ Barricade Type III-B
	▧ Portable Signal

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: GR	2/16/2024	DRAWN: KRH	2/16/2024		
CHECKED: DJK	2/16/2024	CHECKED: DJK	2/16/2024		

INDIANA
DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC
PHASE 1A PLAN**

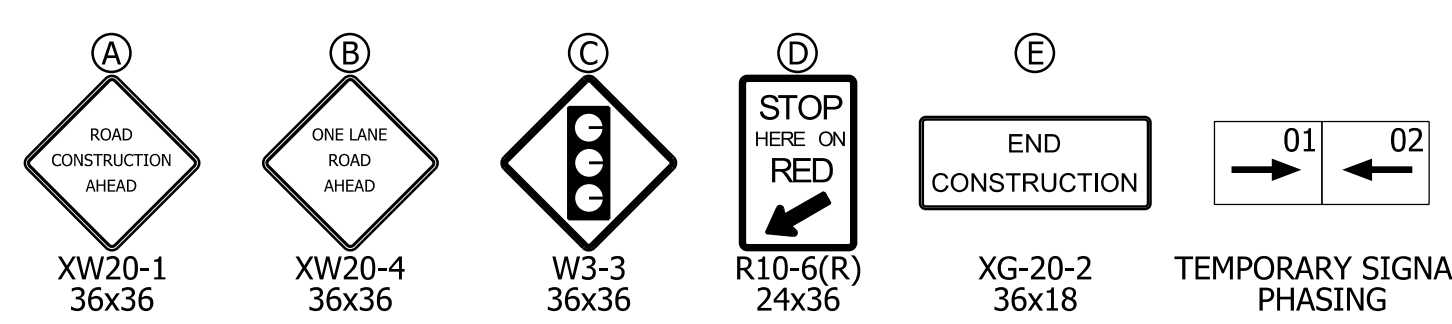
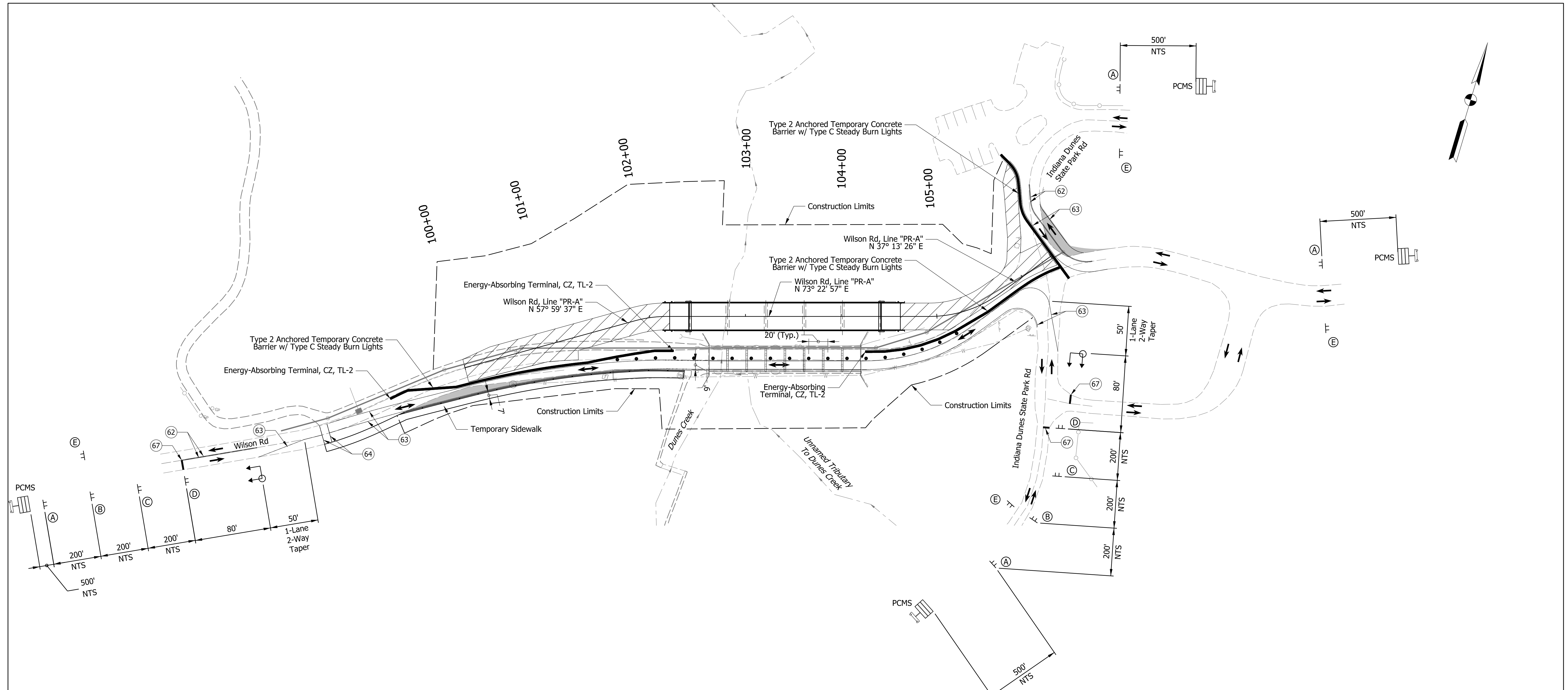
BRIDGE FILE	
P000-64-07069A & TBD	DESIGNATION
SCALE 1" = 50'	2200175
SURVEY BOOK	SHEETS
CONTRACT B-44263	6 of 32
	PROJECT 2200175



- Notes:
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MOT Work Zone Design Speed = 15 MPH

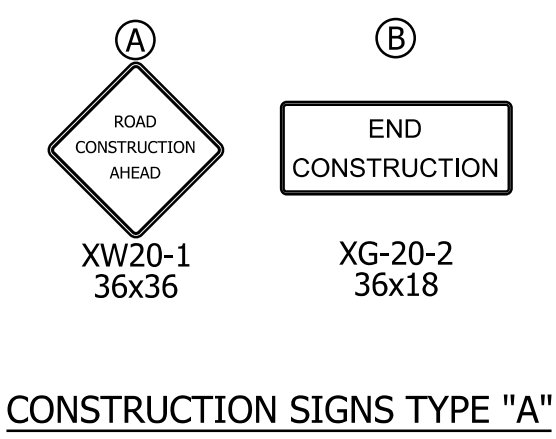
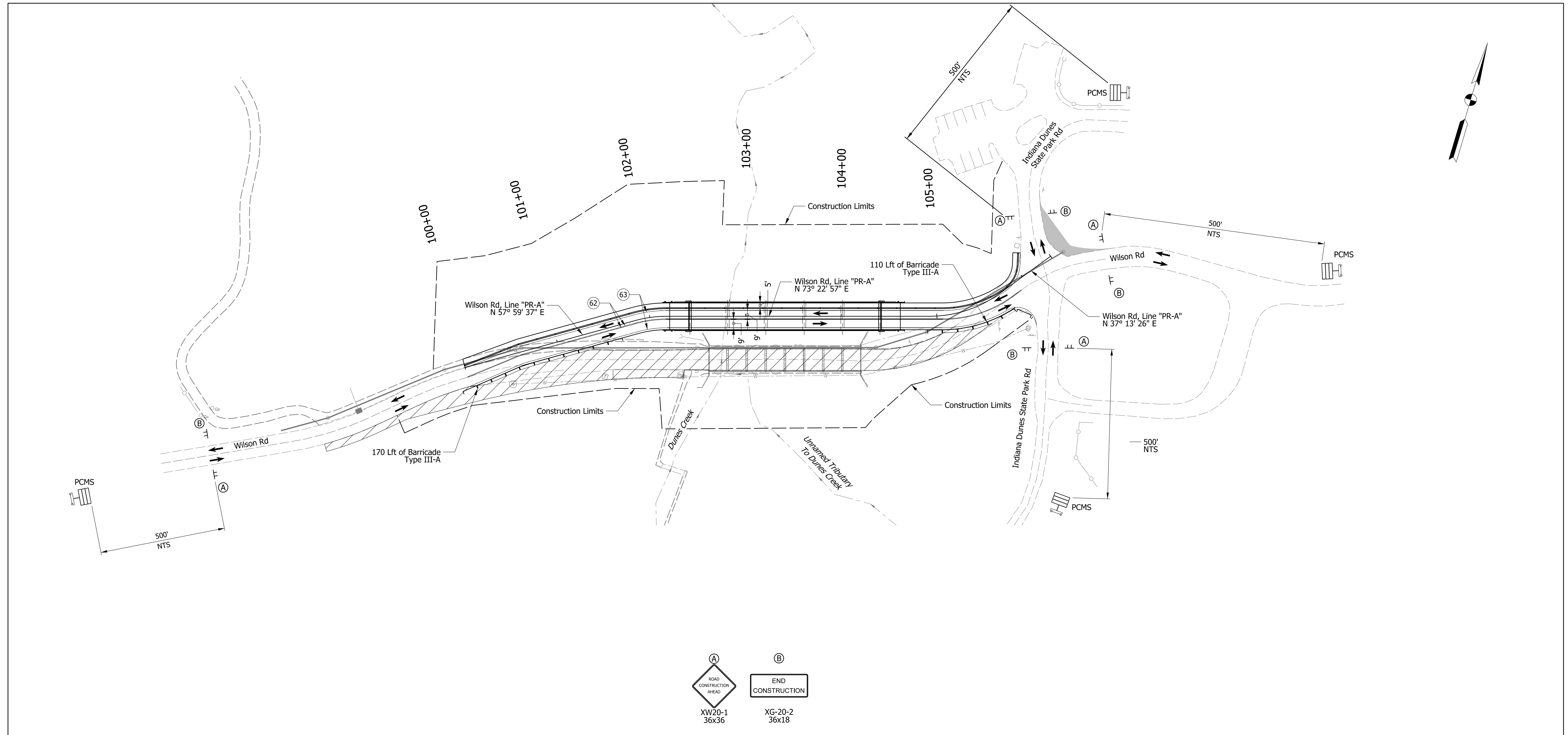
LEGEND		CONSTRUCTION SIGNS TYPE "A"		ROAD CLOSURE SIGN ASSEMBLIES		TEMPORARY SIGNAL PHASING		INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE				
⑥2	Temporary Pavement Marking, 4" Solid Yellow Line, Removable	•	Standard Drum w/ Type C Steady Burn Light	⏏	Construction Sign	▨	Construction Area	RECOMMENDED FOR APPROVAL	MAINTENANCE OF TRAFFIC PHASE 1B PLAN	P000-64-07069A & TBD				
⑥3	Temporary Pavement Marking, 4" Solid White Line, Removable	•	Tubular Marker	⏏	Road Closure Assembly	▬	Temporary Concrete Traffic Barrier, Type 2 w/ Type C Steady Burn Lights	DESIGN ENGINEER		DATE	DESIGNATION			
⑥4	Temporary Pavement Marking, 6" Solid White Line, Removable	→	Traffic Flow	⏏	Barricade Type III-A			2/16/2024		2/16/2024	2200175			
⑥7	Temporary Pavement Marking, 24" Solid White Line, Removable	⏏	Portable Changeable Message Sign (PCMS)	⏏	Barricade Type III-B			CHECKED: DJK	2/16/2024	CHECKED: DJK	2/16/2024	SURVEY BOOK	SHEETS	
		⏏	Portable Signal									7	of	32
												CONTRACT	PROJECT	
												B-44263	2200175	



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MOT Work Zone Design Speed = 15 MPH

LEGEND		CONSTRUCTION SIGNS TYPE "A"		RECOMMENDED FOR APPROVAL		INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE	
⑥2 Temporary Pavement Marking, 4" Solid Yellow Line, Removable	• Standard Drum w/ Type C Steady Burn Light	TT Construction Sign	▨ Construction Area	DESIGN ENGINEER	DATE	DEPARTMENT OF TRANSPORTATION		P000-64-07069A & TBD	
⑥3 Temporary Pavement Marking, 4" Solid White Line, Removable	• Tubular Marker	TT Road Closure Assembly	▬ Temporary Concrete Traffic Barrier, Type 2 w/ Type C Steady Burn Lights			MAINTENANCE OF TRAFFIC PHASE 1C PLAN		DESIGNATION 2200175	
⑥4 Temporary Pavement Marking, 6" Solid White Line, Removable	→ Traffic Flow	TT Barricade Type III-A	▬ Temporary Widening	DESIGNED: GR 2/16/2024	DRAWN: KRH 2/16/2024			SURVEY BOOK	
⑥7 Temporary Pavement Marking, 24" Solid White Line, Removable	PCMS Portable Changeable Message Sign	TT Barricade Type III-B		CHECKED: DJK 2/16/2024	CHECKED: DJK 2/16/2024			SHEETS 8 of 32	
		TT Portable Signal						CONTRACT PROJECT B-44263 2200175	



Notes:

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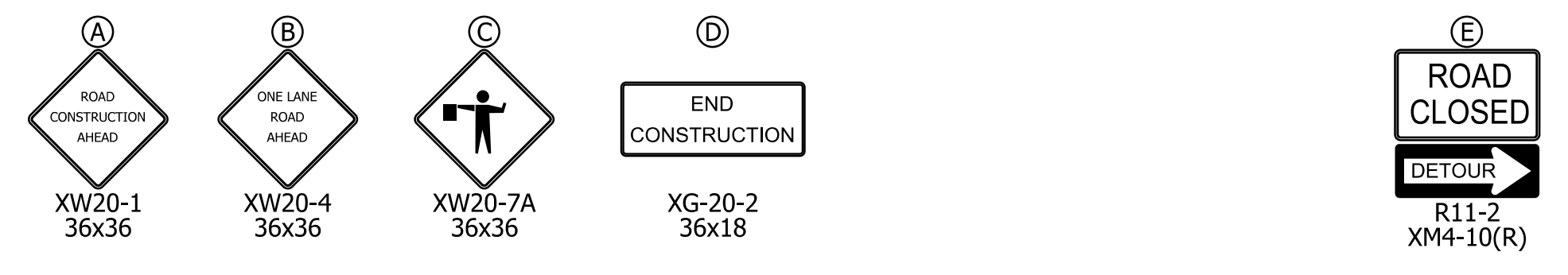
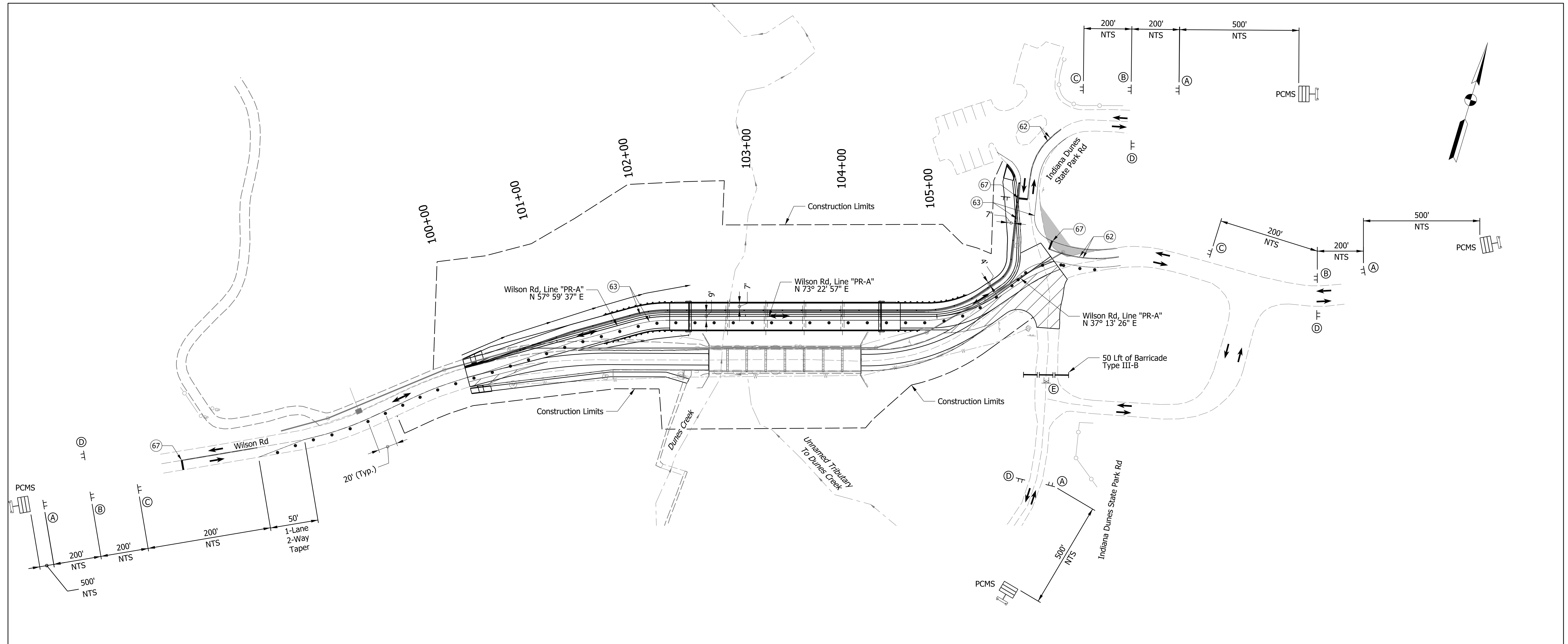
MOT Work Zone Design Speed = 15 MPH

LEGEND						INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE	
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63	Temporary Pavement Marking, 4" Solid White Line, Removable	•	Tubular Marker	TT	Road Closure Assembly	—	Temporary Concrete Traffic Barrier, Type 2 w/ Type C Steady Burn Lights	DESIGNATION	
64	Temporary Pavement Marking, 6" Solid White Line, Removable	←	Traffic Flow	TT	Barricade Type III-A	—	Temporary Widening	2200175	
67	Temporary Pavement Marking, 24" Solid White Line, Removable	PCMS	Portable Changeable Message Sign (PCMS)	TT	Barricade Type III-B	—		SURVEY BOOK	
				TT	Portable Signal	—		9 of 32 SHEETS	
								CONTRACT	
								B-44263	
								PROJECT	
								2200175	

RECOMMENDED FOR APPROVAL		DATE	
DESIGN ENGINEER	DATE	DRAWN: KRH	2/16/2024
DESIGNED: CRW	2/16/2024	CHECKED: DJK	2/16/2024
CHECKED: DJK	2/16/2024	CHECKED: DJK	2/16/2024

MAINTENANCE OF TRAFFIC PHASE 2A PLAN	
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CONTRACT		PROJECT	
B-44263		2200175	



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MOT Work Zone Design Speed = 15 MPH

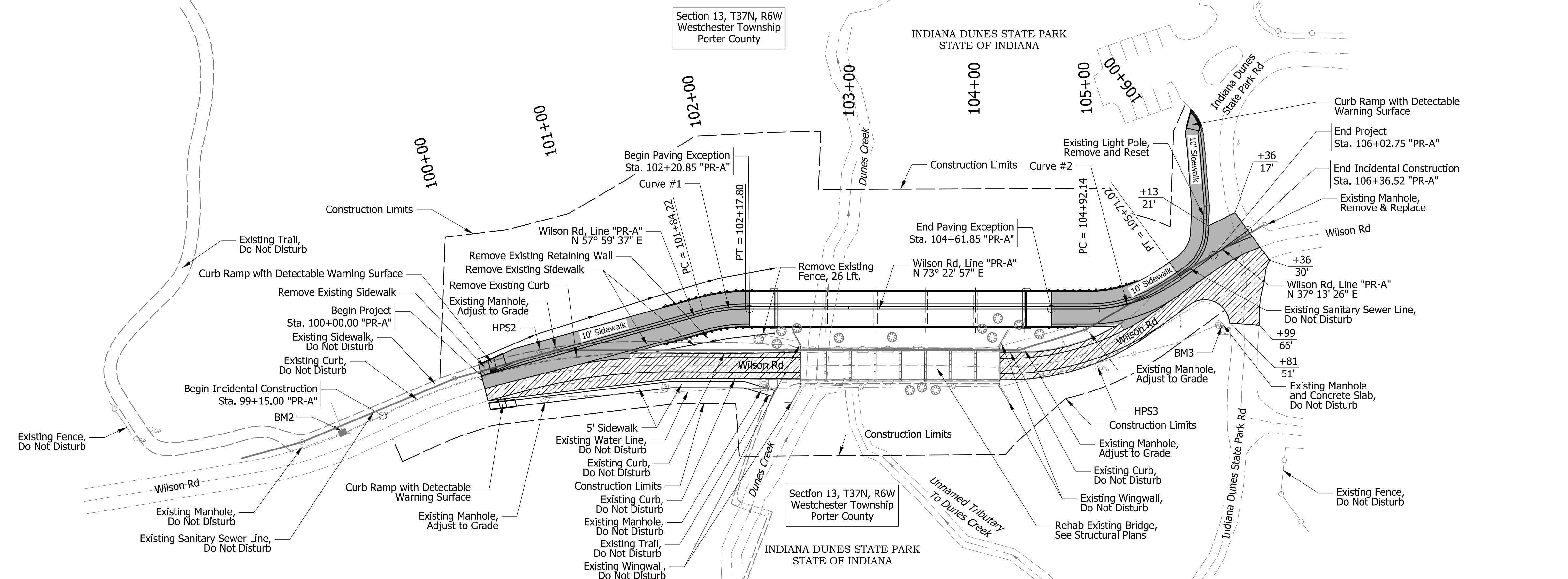
LEGEND	
(62) Temporary Pavement Marking, 4" Solid Yellow Line, Removable	Standard Drum w/ Type C Steady Burn Light
(63) Temporary Pavement Marking, 4" Solid White Line, Removable	Tubular Marker
(64) Temporary Pavement Marking, 6" Solid White Line, Removable	Traffic Flow
(67) Temporary Pavement Marking, 24" Solid White Line, Removable	Portable Changeable Message Sign (PCMS)
Construction Sign	Construction Area
Road Closure Assembly	Temporary Concrete Traffic Barrier, Type 2 w/ Type C Steady Burn Lights
Barricade Type III-A	Temporary Widening
Barricade Type III-B	
Portable Signal	

RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: GR	2/16/2024
DRAWN: KRH	2/16/2024
CHECKED: DJK	2/16/2024
CHECKED: DJK	2/16/2024

INDIANA DEPARTMENT OF TRANSPORTATION

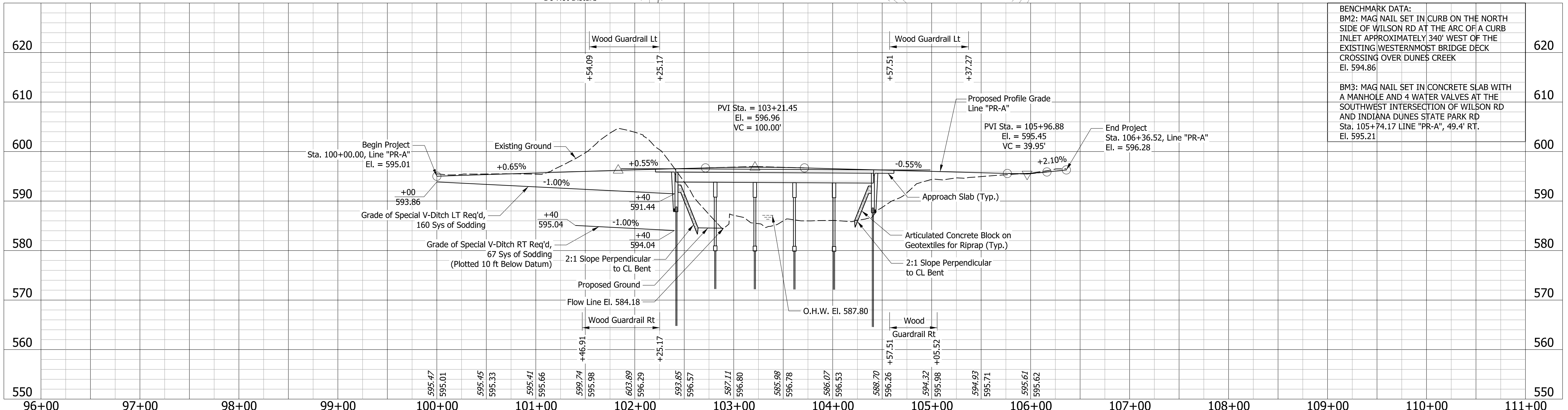
MAINTENANCE OF TRAFFIC PHASE 2B PLAN

BRIDGE FILE	
SCALE	DESIGNATION
1" = 50'	2200175
SHEETS	
10	of 32
PROJECT	
CONTRACT B-44263	2200175



Curve #1 Wilson Rd
 PC = Sta. 101+84.22
 PI = Sta. 102+01.11
 PT = Sta. 102+17.80
 $\Delta = 15^\circ 23' 19.3"$ (RT)
 $D = 45^\circ 50' 11.8"$
 $L = 33.57'$ (Arc)
 $T = 16.89'$
 $R = 125.00'$
 $V = 20$ MPH

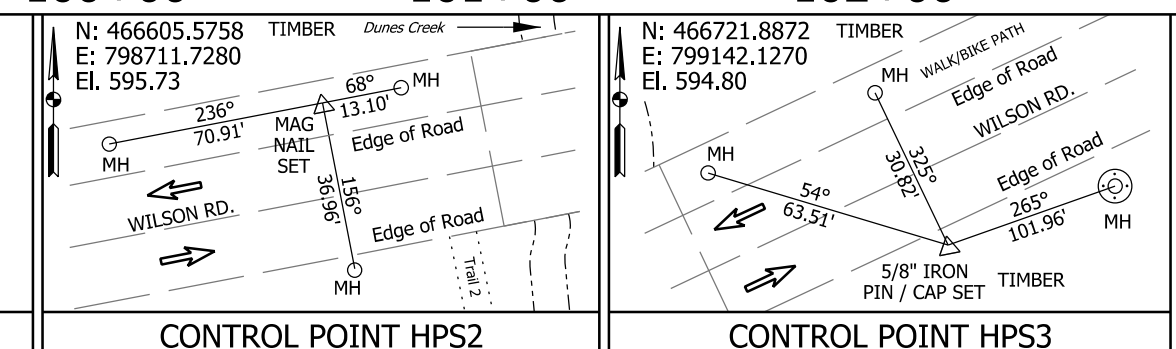
Curve #2 Wilson Rd
 PC = Sta. 104+92.14
 PI = Sta. 105+32.94
 PT = Sta. 105+71.02
 $\Delta = 36^\circ 09' 30.3"$ (LT)
 $D = 45^\circ 50' 11.8"$
 $L = 78.89'$ (Arc)
 $T = 40.81'$
 $R = 125.00'$
 $V = 20$ MPH



BENCHMARK DATA:
 BM2: MAG NAIL SET IN CURB ON THE NORTH SIDE OF WILSON RD AT THE ARC OF A CURB INLET APPROXIMATELY 340' WEST OF THE EXISTING WESTERNMOST BRIDGE DECK CROSSING OVER DUNES CREEK
 El. 594.86

BM3: MAG NAIL SET IN CONCRETE SLAB WITH A MANHOLE AND 4 WATER VALVES AT THE SOUTHWEST INTERSECTION OF WILSON RD AND INDIANA DUNES STATE PARK RD
 Sta. 105+74.17 LINE "PR-A", 49.4' RT.
 El. 595.21

	Full Depth HMA
	Mill & Surface HMA

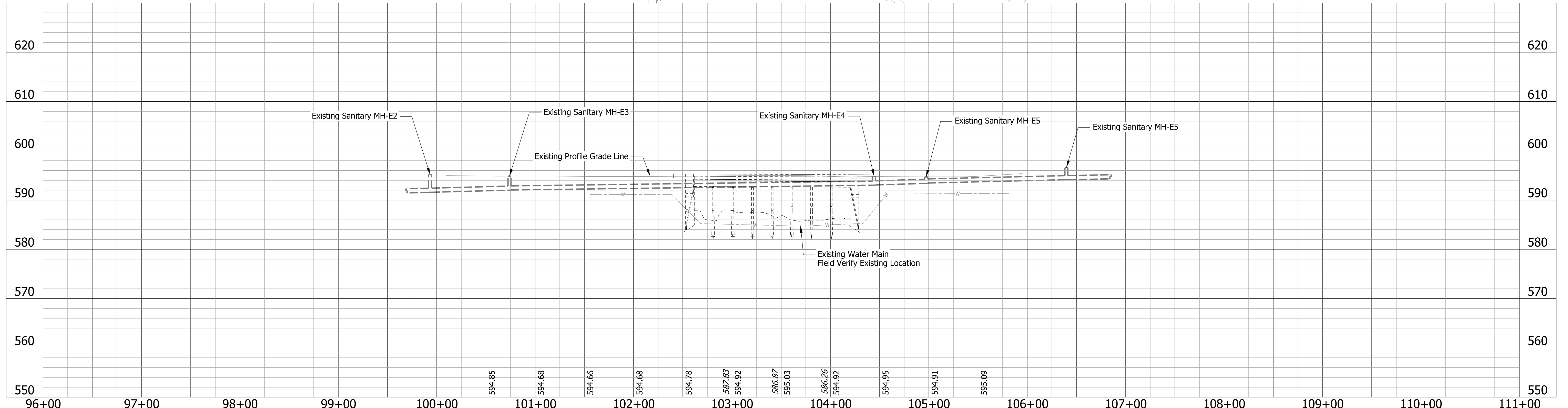
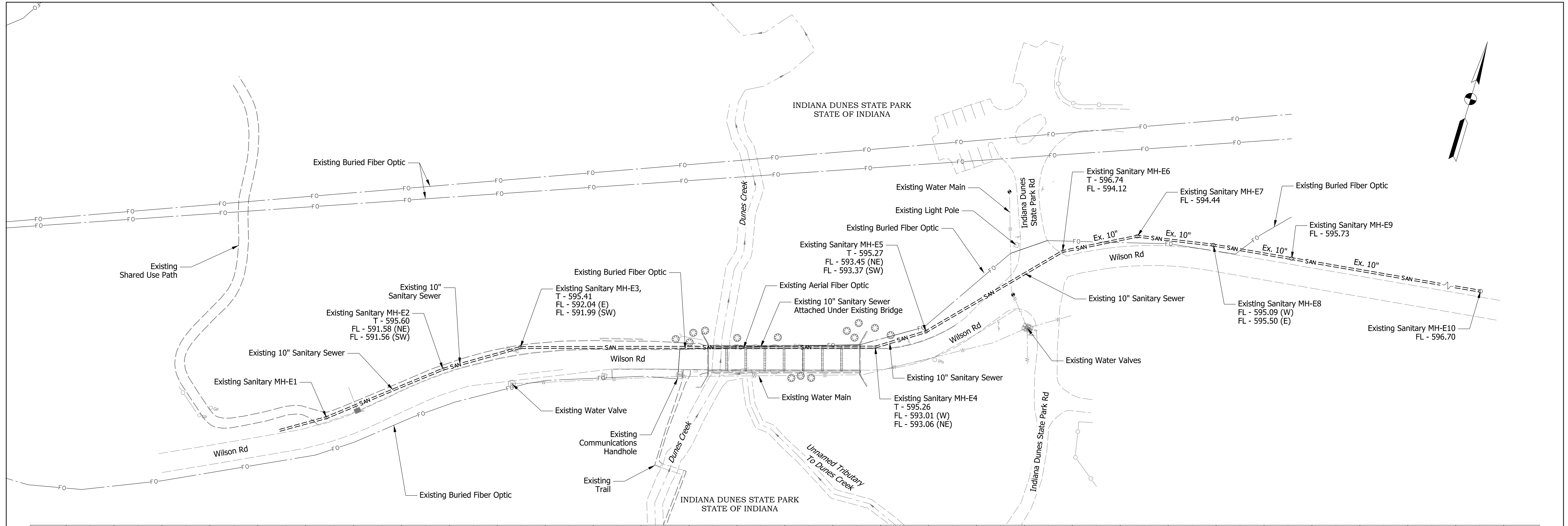


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CRW	10/13/2023	DRAWN: CRW 10/13/2023
CHECKED: DJK	10/13/2023	CHECKED: DJK 10/13/2023

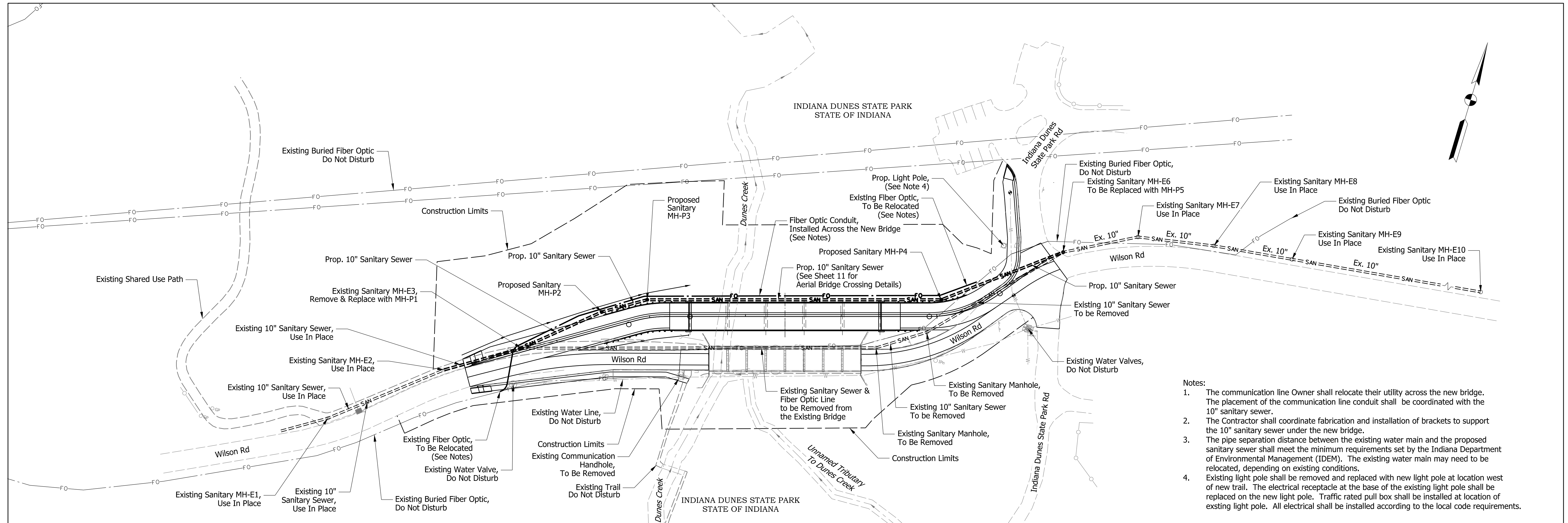
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "PR-A"

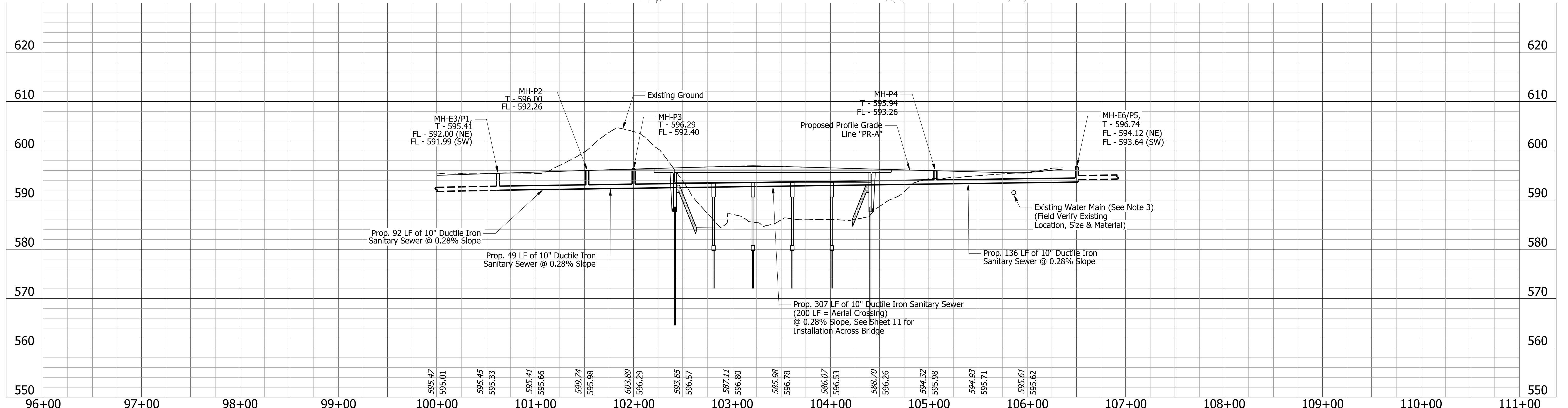
BRIDGE FILE	P000-64-07069A & TBD
DESIGNATION	2200175
SURVEY BOOK	SHEETS 11 of 32
CONTRACT	PROJECT B-44263 2200175



RECOMMENDED FOR APPROVAL				INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE P000-64-07069A & TBD	
DESIGNED: CWW 01/15/2024 DRAWN: KRH 01/15/2024				CONSTRUCTION DETAILS EXISTING UTILITY PLAN & PROFILE		DESIGNATION 2200175	
CHECKED: DJK 01/15/2024 CHECKED: DJK 01/15/2024						SHEETS 12 of 32	
						PROJECT 2200175	
						CONTRACT B-44263	



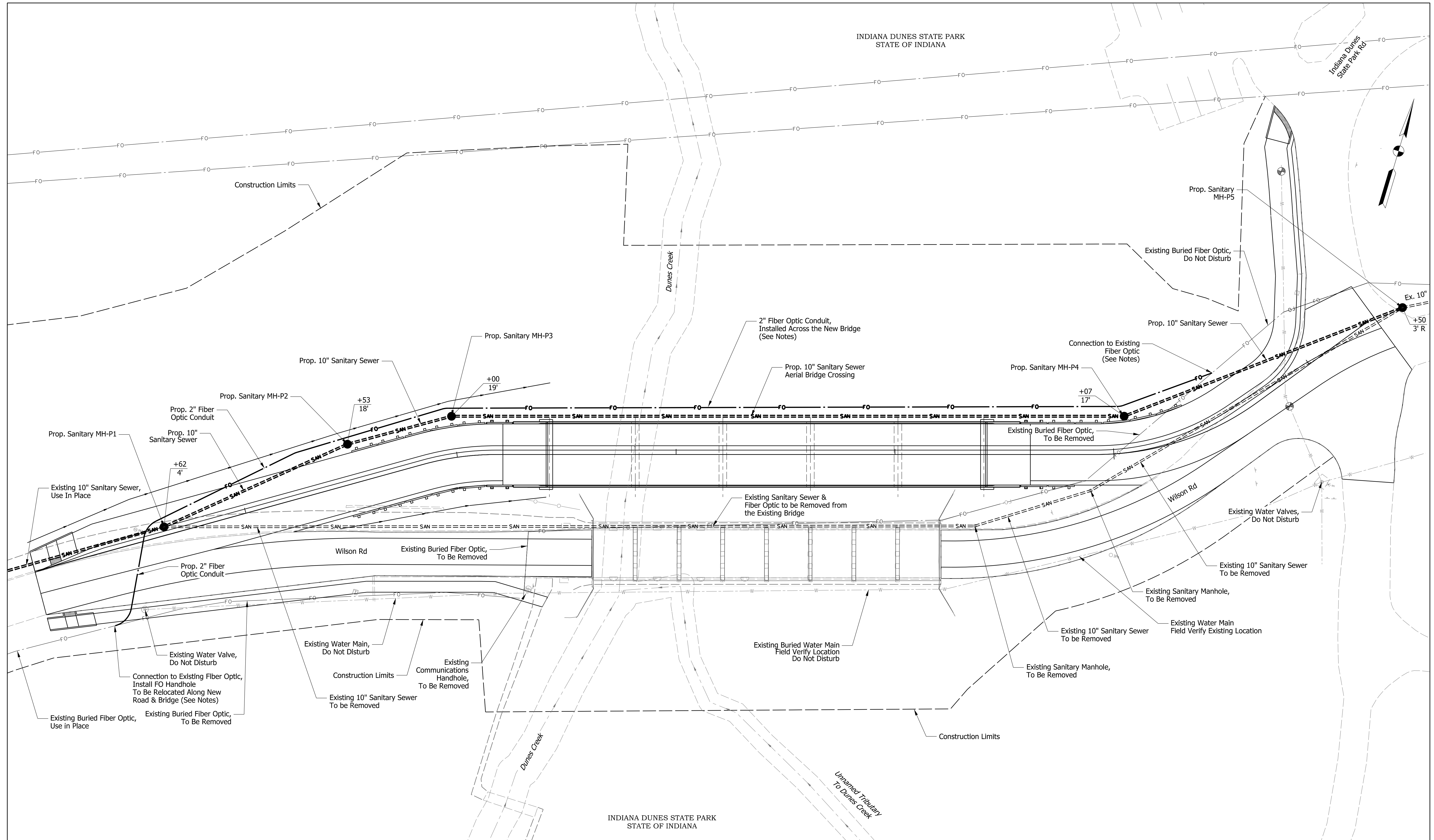
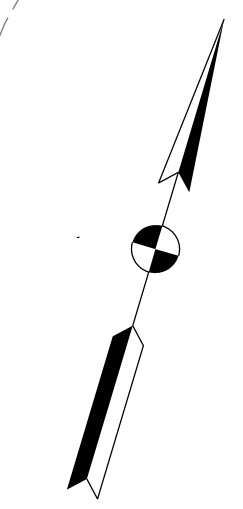
- Notes:
1. The communication line Owner shall relocate their utility across the new bridge. The placement of the communication line conduit shall be coordinated with the 10" sanitary sewer.
 2. The Contractor shall coordinate fabrication and installation of brackets to support the 10" sanitary sewer under the new bridge.
 3. The pipe separation distance between the existing water main and the proposed sanitary sewer shall meet the minimum requirements set by the Indiana Department of Environmental Management (IDEM). The existing water main may need to be relocated, depending on existing conditions.
 4. Existing light pole shall be removed and replaced with new light pole at location west of new trail. The electrical receptacle at the base of the existing light pole shall be replaced on the new light pole. Traffic rated pull box shall be installed at location of existing light pole. All electrical shall be installed according to the local code requirements.



RECOMMENDED FOR APPROVAL		INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE P000-64-07069A & TBD	
DESIGNED: CWW 01/15/2024		DRAWN: KRH 01/15/2024		DESIGNATION 2200175	
CHECKED: DJK 01/15/2024		CHECKED: DJK 01/15/2024		SURVEY BOOK SHEETS 13 of 32	
CONSTRUCTION DETAILS PROPOSED UTILITY PLAN & PROFILE				PROJECT 2200175	

INDIANA DUNES STATE PARK
STATE OF INDIANA

Indiana Dunes
State Park Rd



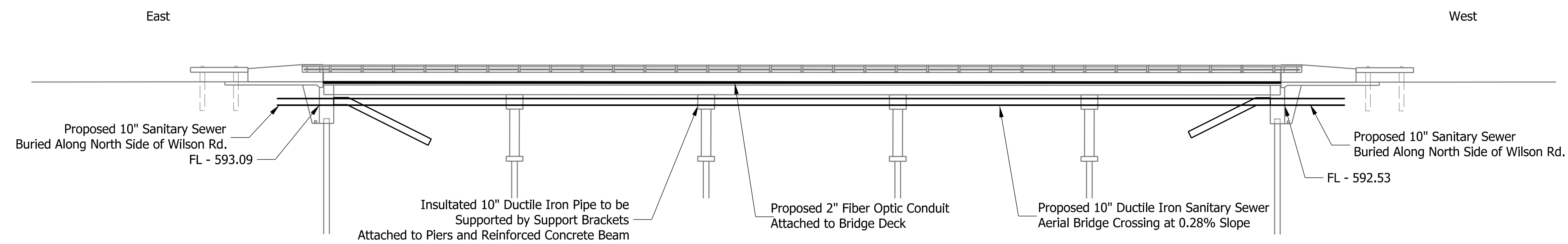
INDIANA DUNES STATE PARK
STATE OF INDIANA

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CWW	2/14/2024	DRAWN: KRH
CHECKED: DJK	2/14/2024	CHECKED: DJK

INDIANA
DEPARTMENT OF TRANSPORTATION

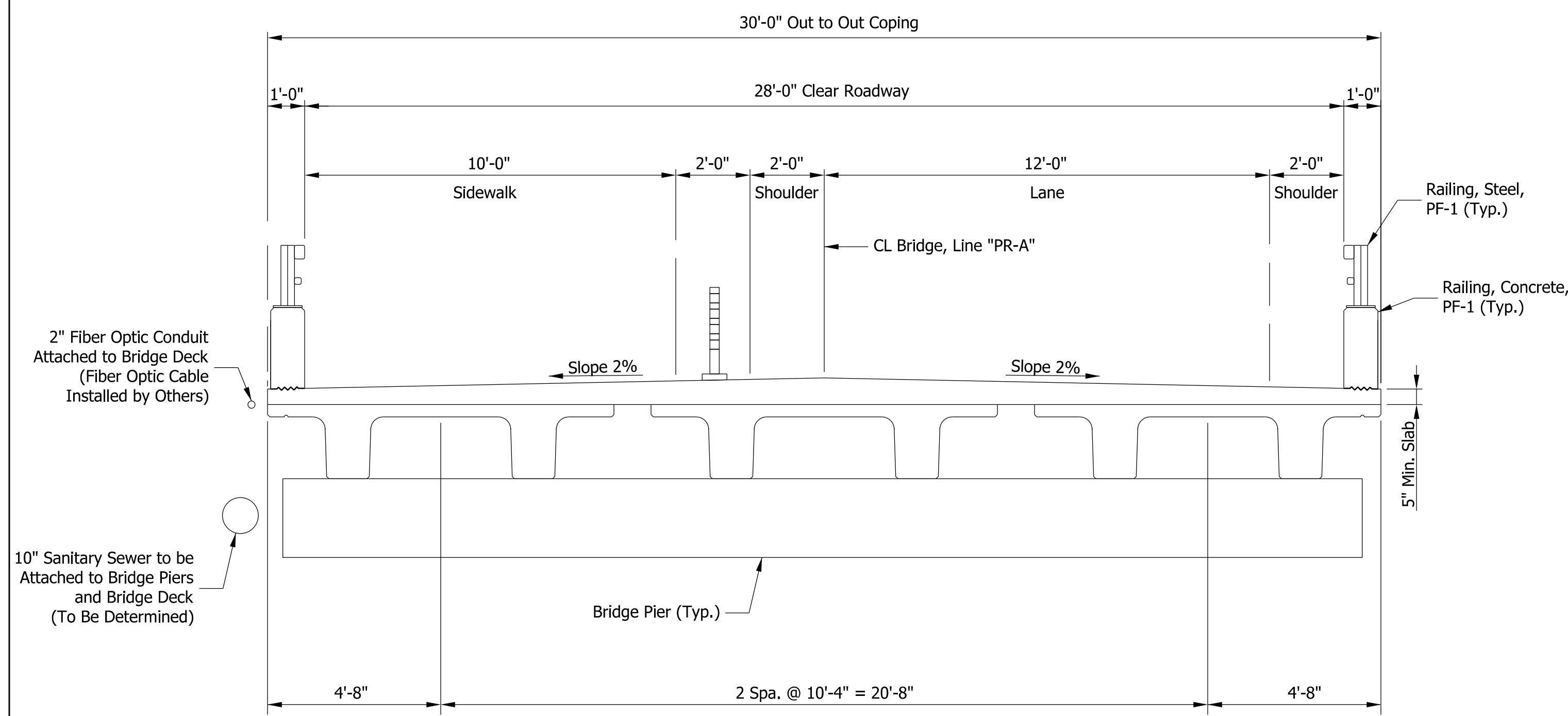
**CONSTRUCTION DETAILS
PROPOSED UTILITY PLAN**

BRIDGE FILE	P000-64-07069A & TBD
SCALE	DESIGNATION
1" = 20'	2200175
SURVEY BOOK	SHEETS
	14 of 32
CONTRACT	PROJECT
B-44263	2200175



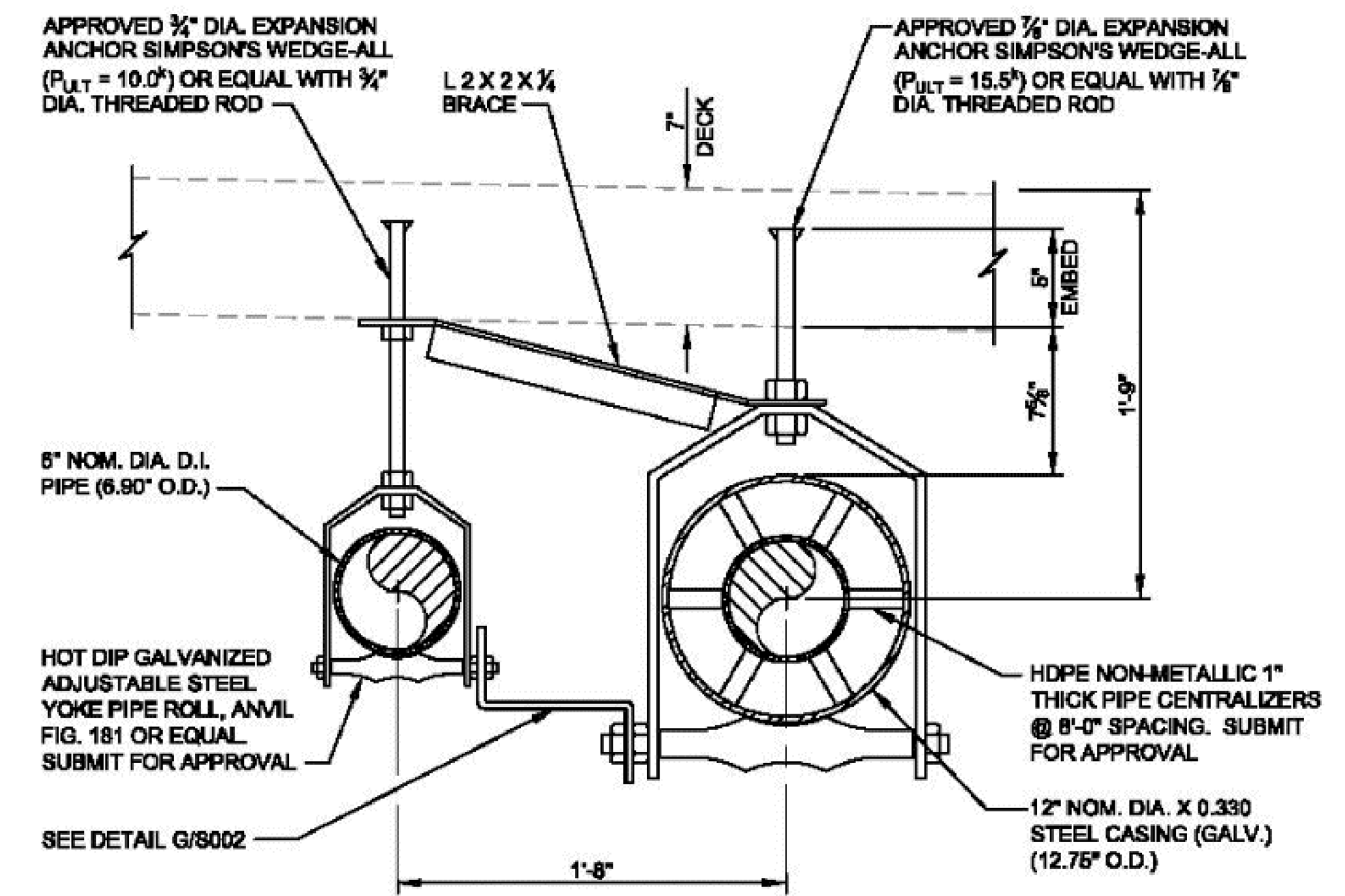
ELEVATION - LOOKING SOUTH

Scale: $\frac{1}{16}'' = 1'-0''$



PROPOSED TYPICAL SECTION - UTILITY BRIDGE ATTACHMENT - LOOKING EAST

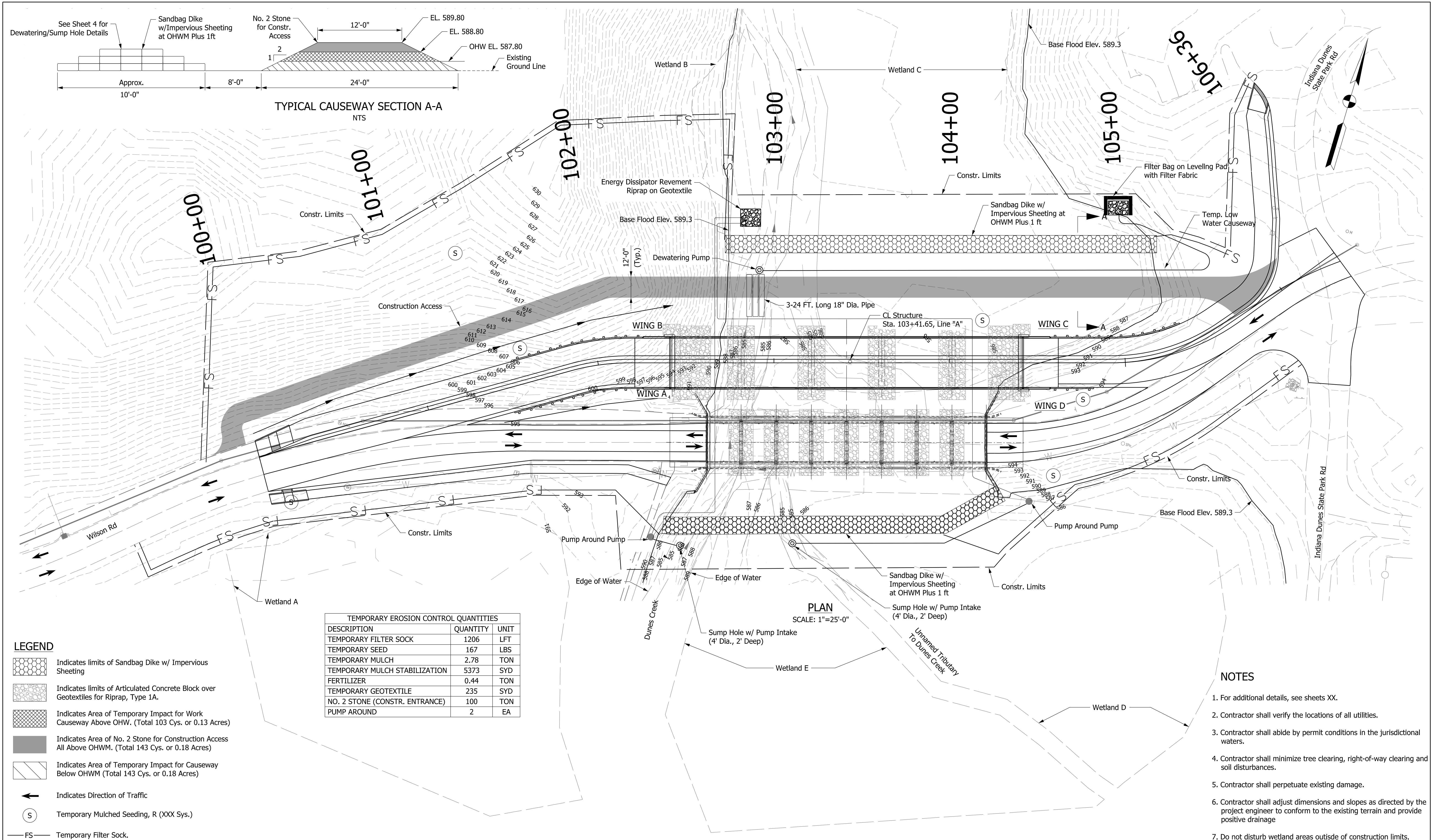
Scale: $\frac{3}{8}'' = 1'-0''$



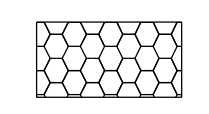
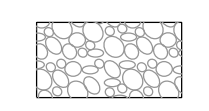
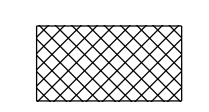

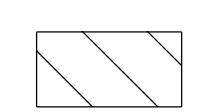
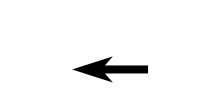

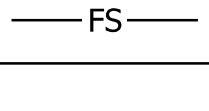
PIPE SUPPORT DETAIL - SPANS 1 & 4 E
 (SHOWN NORMAL TO ROAD CENTERLINE) SCALE: 1 1/2"=1'-0" S001

EXAMPLE SUPPORT SYSTEM - DESIGN TO BE DETERMINED

DATE	REVISION			RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE
							CONSTRUCTION DETAILS UTILITY RELOCATION		P000-64-07069A & TBD
						SCALE			DESIGNATION
									2200175
							SURVEY BOOK	SHEETS	
								15 of 32	
							CONTRACT	PROJECT	
							B-44263	2200175	



LEGEND

-  Indicates limits of Sandbag Dike w/ Impervious Sheeting
-  Indicates limits of Articulated Concrete Block over Geotextiles for Riprap, Type 1A.
-  Indicates Area of Temporary Impact for Work Causeway Above OHWM. (Total 103 Cys. or 0.13 Acres)
-  Indicates Area of No. 2 Stone for Construction Access All Above OHWM. (Total 143 Cys. or 0.18 Acres)
-  Indicates Area of Temporary Impact for Causeway Below OHWM (Total 143 Cys. or 0.18 Acres)
-  Indicates Direction of Traffic
-  Temporary Mulched Seeding, R (XXX Sys.)
-  FS Temporary Filter Sock.

TEMPORARY EROSION CONTROL QUANTITIES		
DESCRIPTION	QUANTITY	UNIT
TEMPORARY FILTER SOCK	1206	LFT
TEMPORARY SEED	167	LBS
TEMPORARY MULCH	2.78	TON
TEMPORARY MULCH STABILIZATION	5373	SYD
FERTILIZER	0.44	TON
TEMPORARY GEOTEXTILE	235	SYD
NO. 2 STONE (CONSTR. ENTRANCE)	100	TON
PUMP AROUND	2	EA

PLAN
SCALE: 1"=25'-0"

NOTES

1. For additional details, see sheets XX.
2. Contractor shall verify the locations of all utilities.
3. Contractor shall abide by permit conditions in the jurisdictional waters.
4. Contractor shall minimize tree clearing, right-of-way clearing and soil disturbances.
5. Contractor shall perpetuate existing damage.
6. Contractor shall adjust dimensions and slopes as directed by the project engineer to conform to the existing terrain and provide positive drainage
7. Do not disturb wetland areas outside of construction limits.

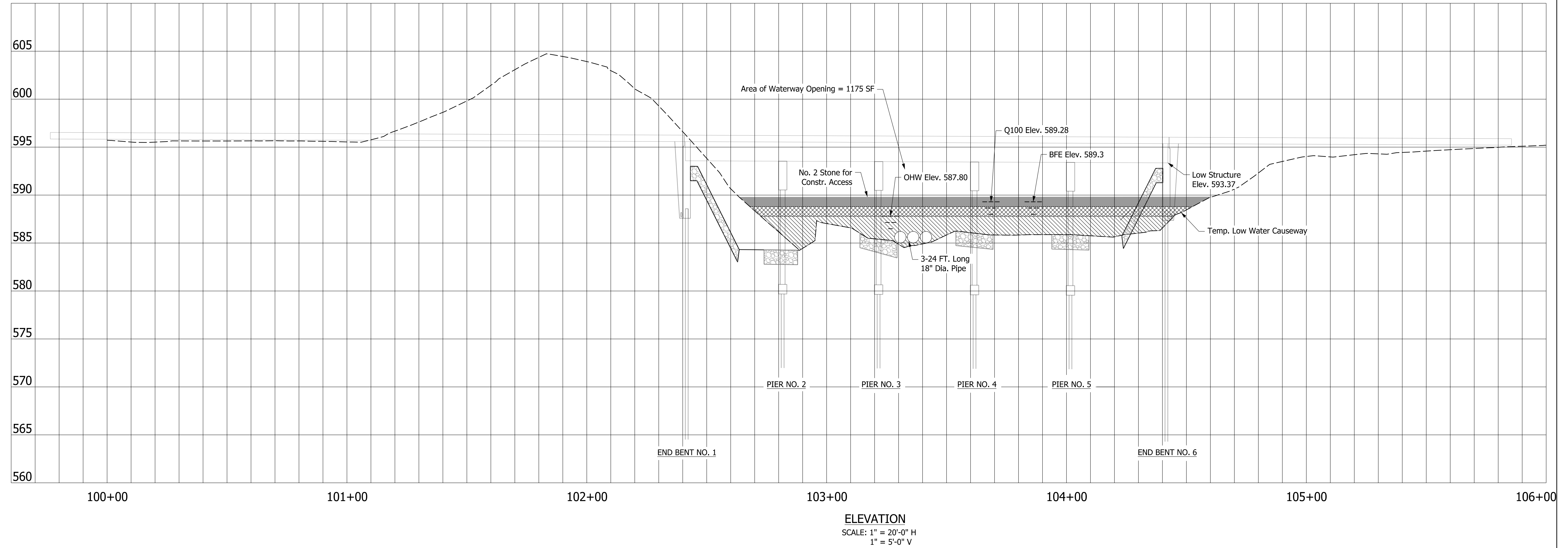
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CE	12/5/2023	DRAWN: SMC
CHECKED: DJK	12/5/2023	CHECKED: DJK

INDIANA DEPARTMENT OF TRANSPORTATION


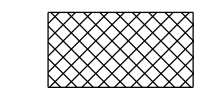

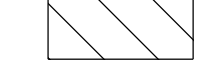
EROSION CONTROL PLAN

BRIDGE FILE	
P000-64-07069A & TBD	
SCALE	DESIGNATION
1" = 25'	2200175
SURVEY BOOK	SHEETS
	16 of 32
CONTRACT	PROJECT
B-44263	2200175

PROPOSED STRUCTURE BUILT ON A 100' VERTICAL CURVE (+0.55% / -0.55% GRADE)



LEGEND

-  Indicates limits of Articulated Concrete Block over Geotextiles, Type IA.
-  Indicates Area of Temporary Impact for Work Causeway Above OHW. (Total 103 Cys. or 0.13 Acres)
-  Indicates Area of No. 2 Stone for Construction Access All Above OHWM. (Total 143 Cys. or 0.18 Acres)
-  Indicates Area of Temporary Impact for Causeway Below OHW. (Total 107 Cys. or 0.07 Acres)

NOTES:

1. For additional details, see sheets, XX
2. Contractor shall field verify the locations of all utilities.
3. Contractor shall abide by permit conditions in the jurisdictional waters.
4. Contractor shall minimize tree clearing, right-of-way clearing and soil disturbances.
5. Contractor shall perpetuate existing drainage.
6. Contractor shall adjust dimensions and slopes as directed by the project engineer to conform to the existing terrain and provide positive drainage.

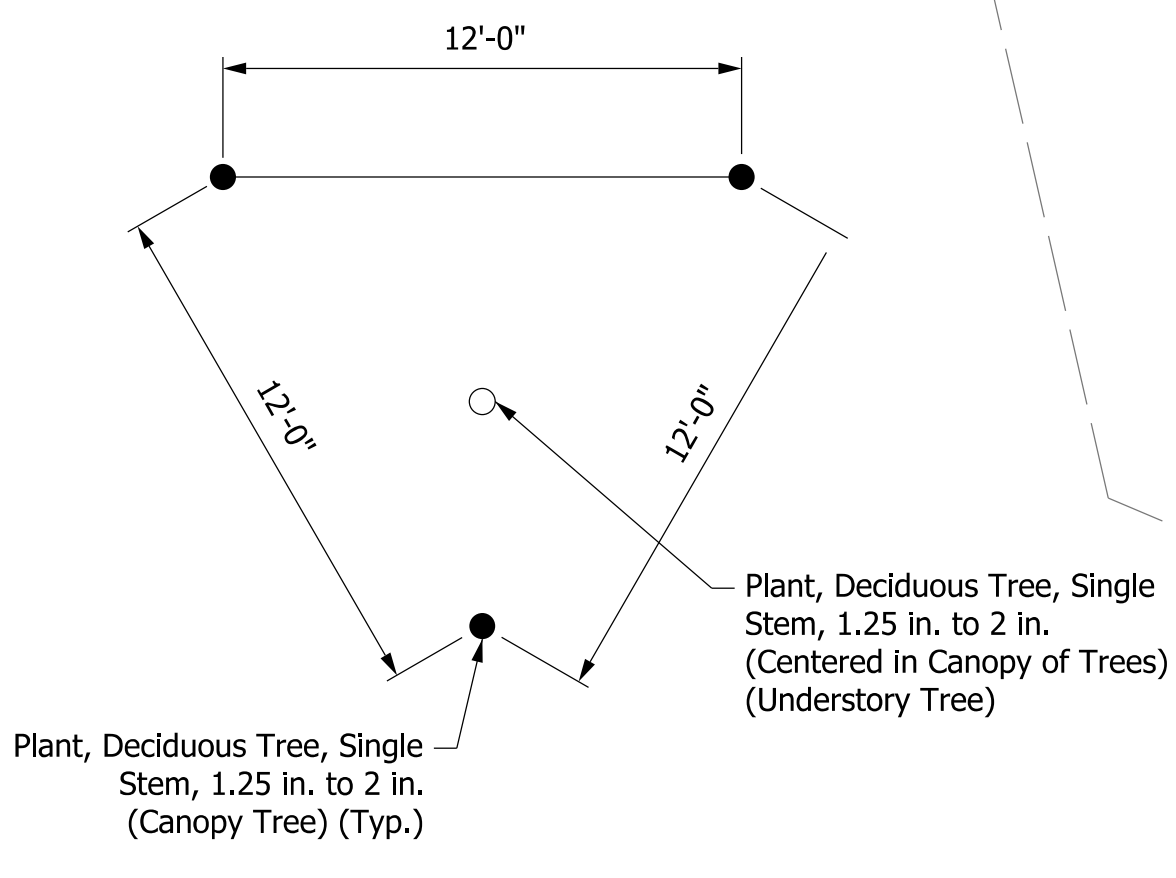
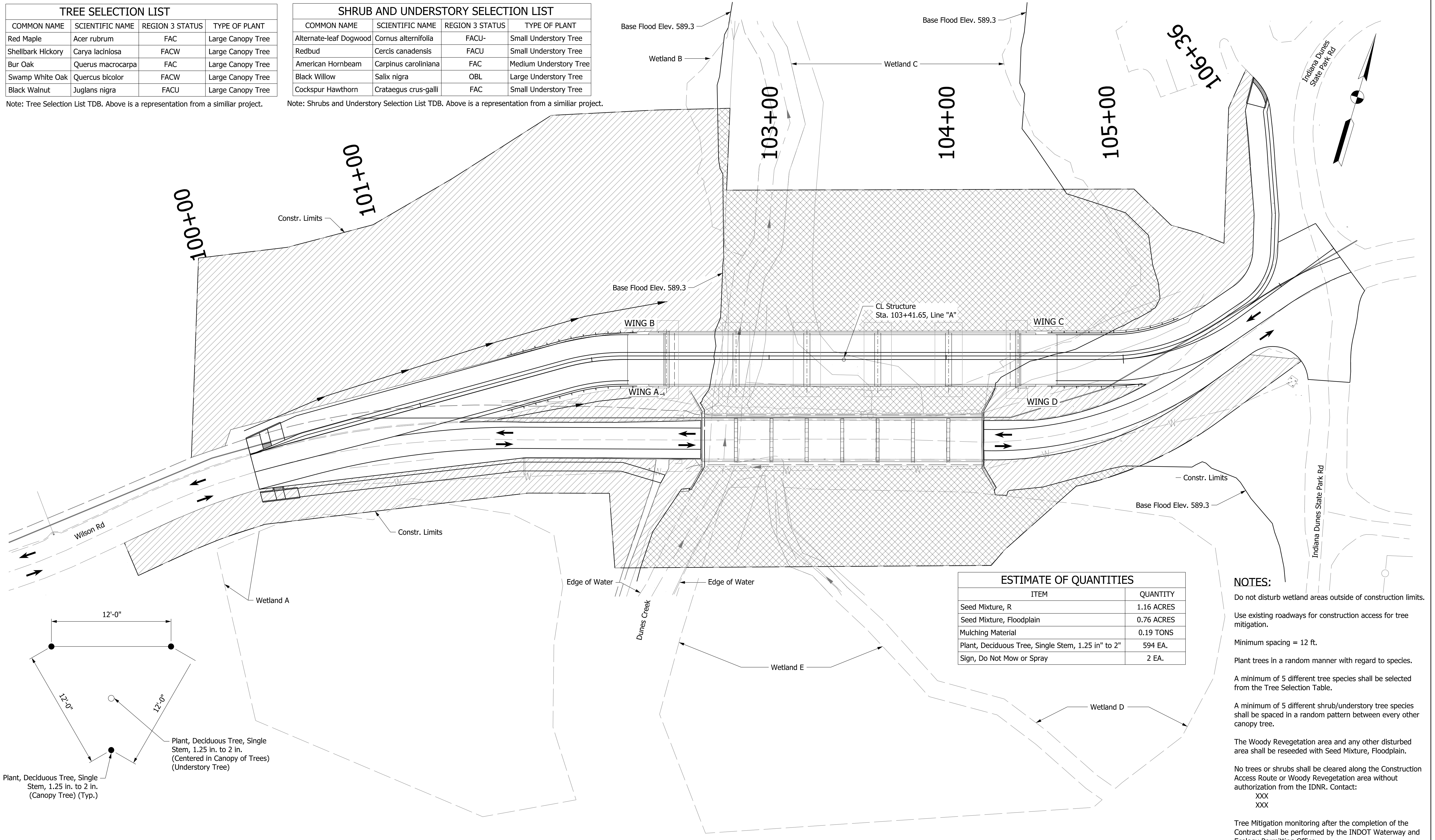
	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	BRIDGE FILE P000-64-07069A & TBD
	DESIGNED: CE 12/5/2023 DRAWN: SMC 12/5/2023	EROSION CONTROL DETAILS	SCALE 1" = 20' H 1" = 5' V SURVEY BOOK SHEETS 17 of 32
	CHECKED: DJK 12/5/2023 CHECKED: DJK 12/5/2023		CONTRACT B-44263 PROJECT 2200175

TREE SELECTION LIST			
COMMON NAME	SCIENTIFIC NAME	REGION 3 STATUS	TYPE OF PLANT
Red Maple	Acer rubrum	FAC	Large Canopy Tree
Shellbark Hickory	Carya laciniosa	FACW	Large Canopy Tree
Bur Oak	Quercus macrocarpa	FAC	Large Canopy Tree
Swamp White Oak	Quercus bicolor	FACW	Large Canopy Tree
Black Walnut	Juglans nigra	FACU	Large Canopy Tree

Note: Tree Selection List TDB. Above is a representation from a similar project.

SHRUB AND UNDERSTORY SELECTION LIST			
COMMON NAME	SCIENTIFIC NAME	REGION 3 STATUS	TYPE OF PLANT
Alternate-leaf Dogwood	Cornus alternifolia	FACU-	Small Understory Tree
Redbud	Cercis canadensis	FACU	Small Understory Tree
American Hornbeam	Carpinus caroliniana	FAC	Medium Understory Tree
Black Willow	Salix nigra	OBL	Large Understory Tree
Cockspur Hawthorn	Crataegus crus-galli	FAC	Small Understory Tree

Note: Shrubs and Understory Selection List TDB. Above is a representation from a similar project.



ESTIMATE OF QUANTITIES	
ITEM	QUANTITY
Seed Mixture, R	1.16 ACRES
Seed Mixture, Floodplain	0.76 ACRES
Mulching Material	0.19 TONS
Plant, Deciduous Tree, Single Stem, 1.25 in" to 2"	594 EA.
Sign, Do Not Mow or Spray	2 EA.

NOTES:

- Do not disturb wetland areas outside of construction limits.
- Use existing roadways for construction access for tree mitigation.
- Minimum spacing = 12 ft.
- Plant trees in a random manner with regard to species.
- A minimum of 5 different tree species shall be selected from the Tree Selection Table.
- A minimum of 5 different shrub/understory tree species shall be spaced in a random pattern between every other canopy tree.
- The Woody Revegetation area and any other disturbed area shall be reseeded with Seed Mixture, Floodplain.
- No trees or shrubs shall be cleared along the Construction Access Route or Woody Revegetation area without authorization from the IDNR. Contact:
XXX
XXX
- Tree Mitigation monitoring after the completion of the Contract shall be performed by the INDOT Waterway and Ecology Permitting Office.

LEGEND

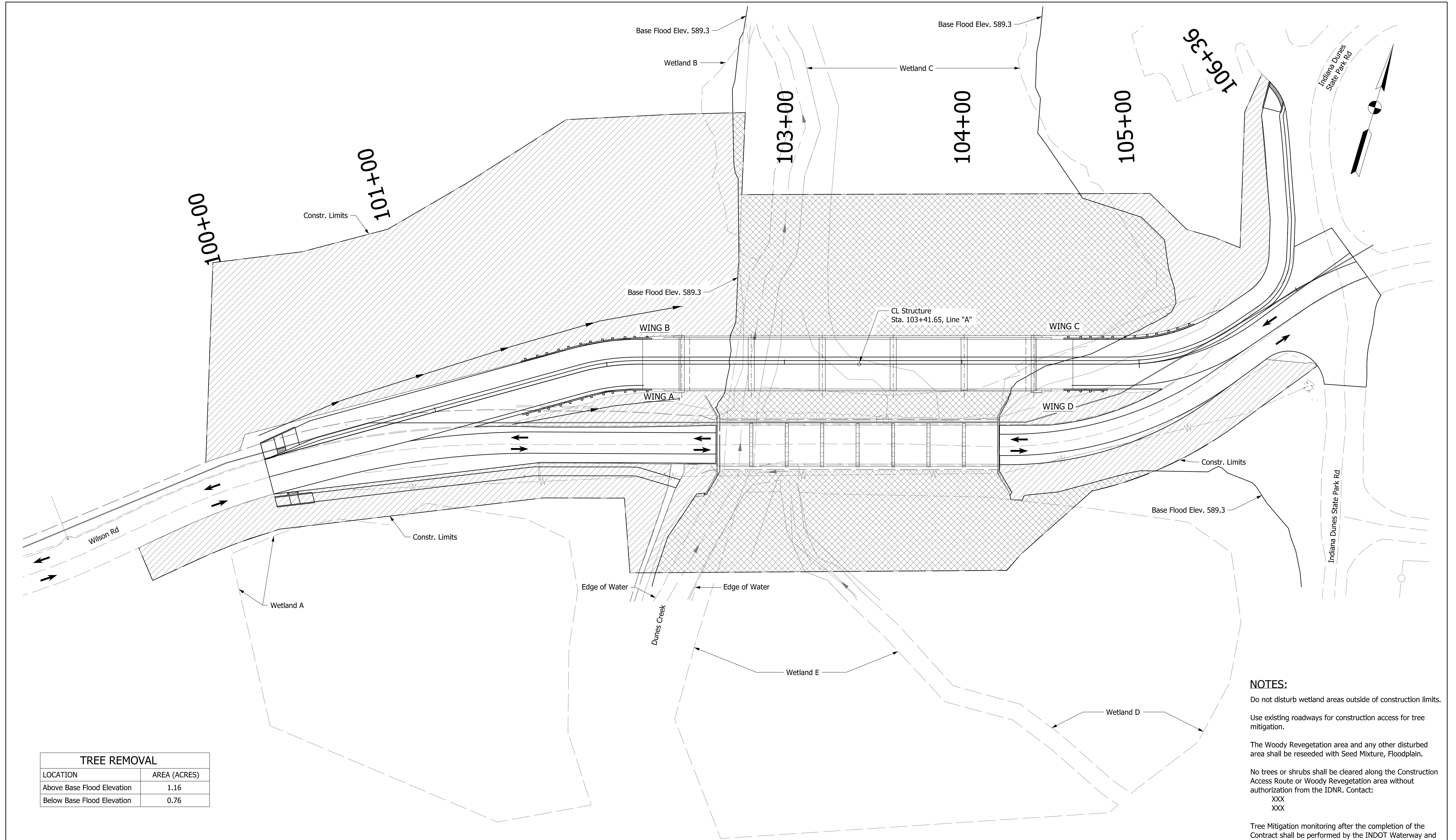
	Tree Planting Area w/ Seed Mixture R Above BFE (Plant, Deciduous Tree, Single Stem, 1.25 to 2 in.)
	Tree Planting Area w/ Seed Mixture Floodplain, Modified Below BFE (Plant, Deciduous Tree, Single Stem, 1.25 to 2 in.)

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: DJK	12/21/2023	DRAWN: SMC
CHECKED: DJK	12/21/2023	CHECKED: DJK

INDIANA DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN

BRIDGE FILE	
P000-64-07069A & TBD	
SCALE	DESIGNATION
1" = 25'	2200175
SURVEY BOOK	SHEETS
	18 of 32
CONTRACT	PROJECT
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TREE REMOVAL	
LOCATION	AREA (ACRES)
Above Base Flood Elevation	1.16
Below Base Flood Elevation	0.76

NOTES:

- Do not disturb wetland areas outside of construction limits.
- Use existing roadways for construction access for tree mitigation.
- The Woody Revegetation area and any other disturbed area shall be reseeded with Seed Mixture, Floodplain.
- No trees or shrubs shall be cleared along the Construction Access Route or Woody Revegetation area without authorization from the IDNR. Contact:
XXX
XXX
- Tree Mitigation monitoring after the completion of the Contract shall be performed by the INDOT Waterway and Ecology Permitting Office.

LEGEND

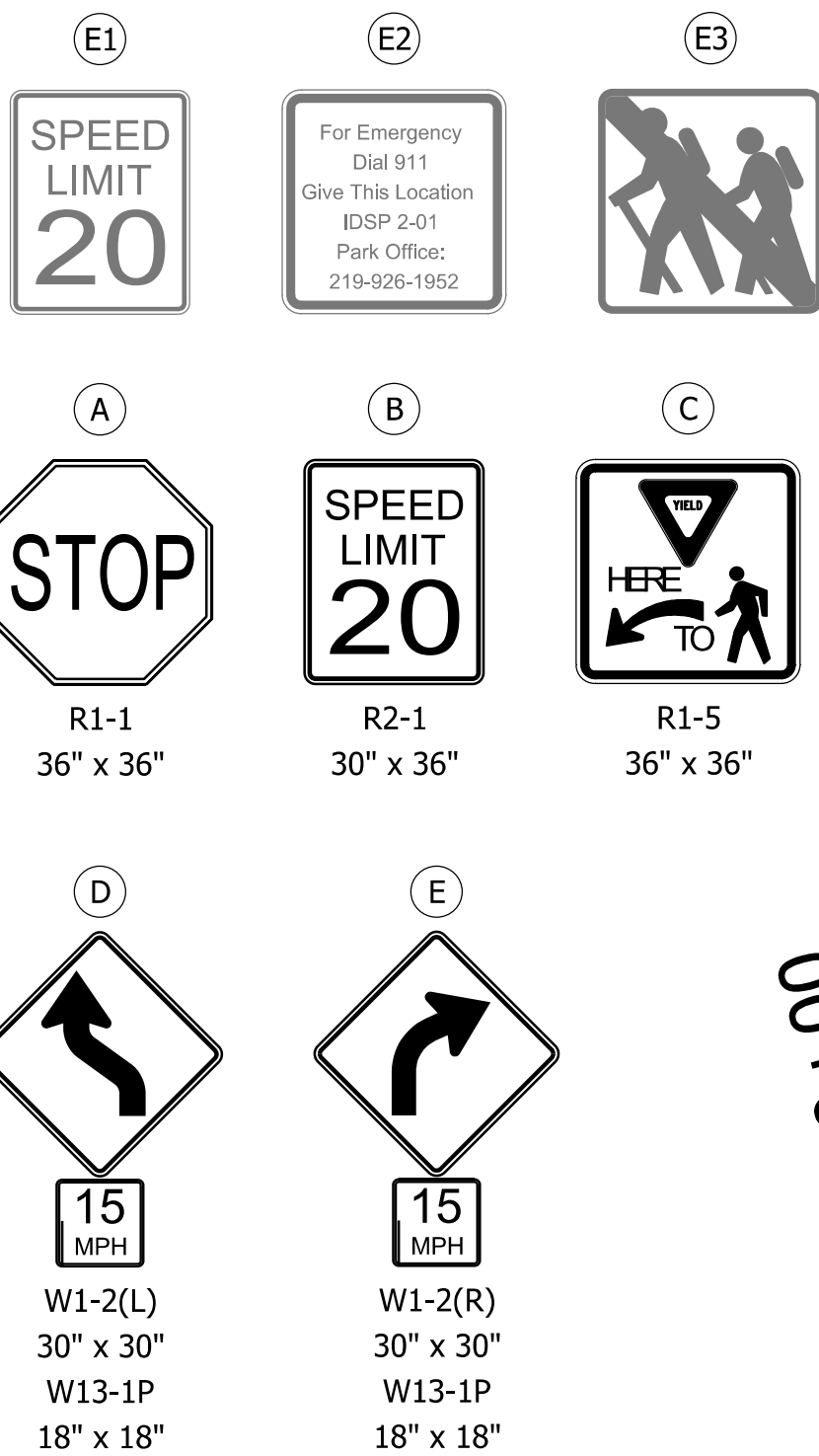
- Tree Removal Area Above BFE
- Tree Removal Area Below BFE

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: DJK	12/21/2023	DRAWN: SMC 12/21/2023
CHECKED: DJK	12/21/2023	CHECKED: DJK 12/21/2023

INDIANA
DEPARTMENT OF TRANSPORTATION

**TREE REMOVAL
PLAN**

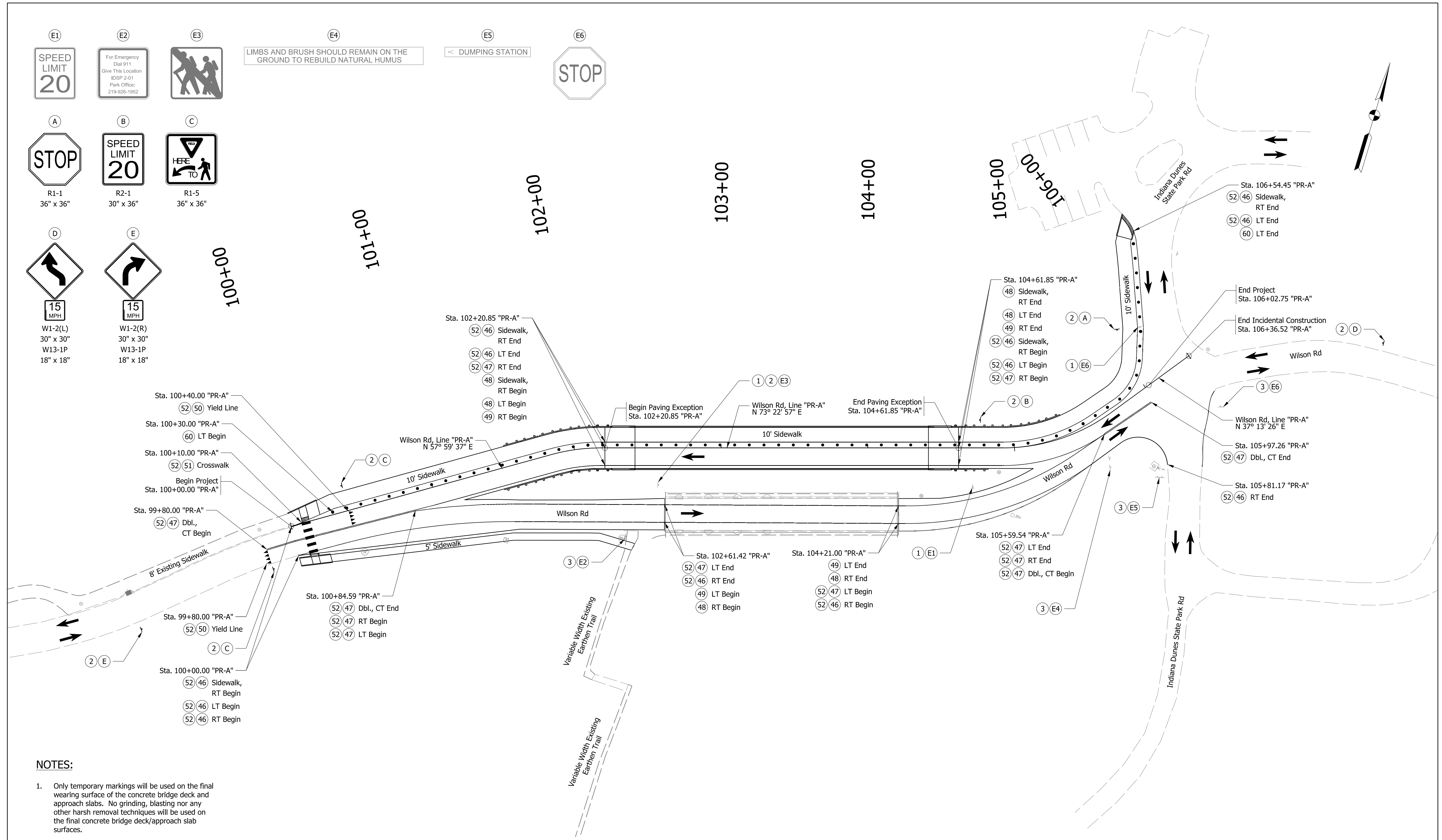
BRIDGE FILE	P000-64-07069A & TBD
DESIGNATION	2200175
SCALE	1" = 25'
SURVEY BOOK	SHEETS
	19 of 32
CONTRACT	PROJECT
B-44263	2200175



LIMBS AND BRUSH SHOULD REMAIN ON THE GROUND TO REBUILD NATURAL HUMUS

< DUMPING STATION

STOP



NOTES:

1. Only temporary markings will be used on the final wearing surface of the concrete bridge deck and approach slabs. No grinding, blasting nor any other harsh removal techniques will be used on the final concrete bridge deck/approach slab surfaces.

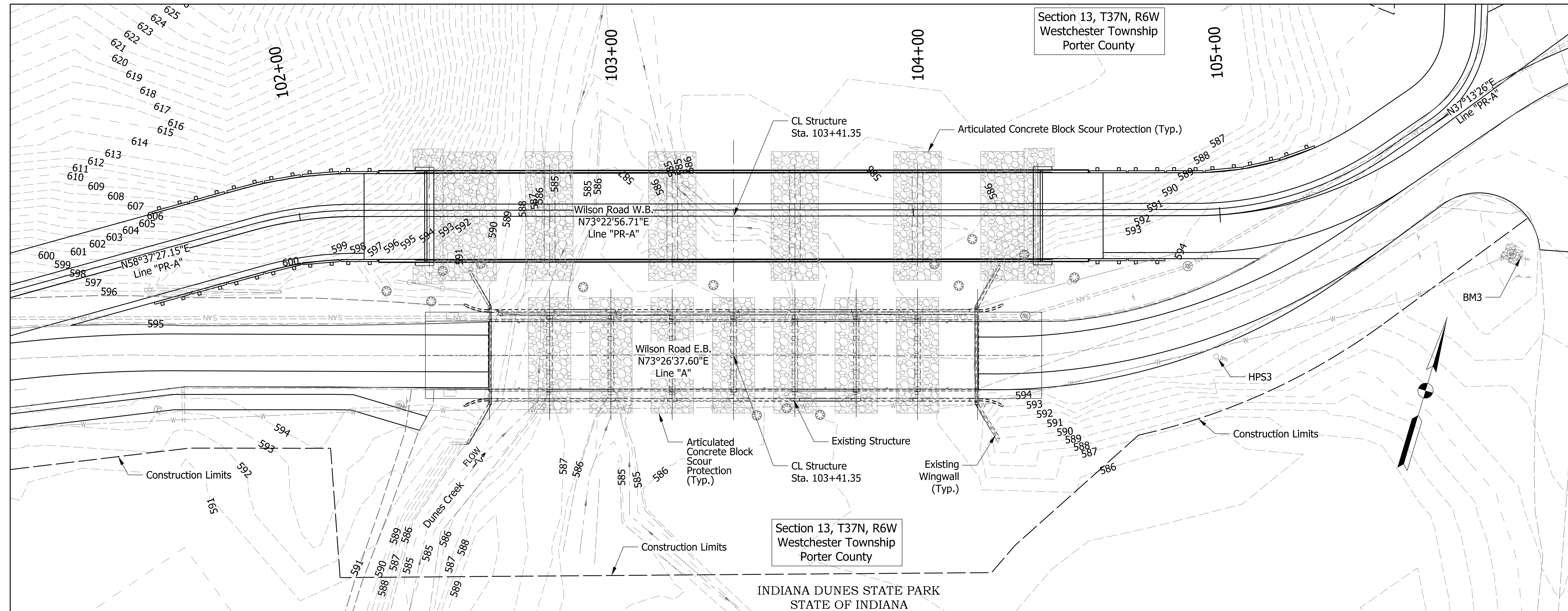
LEGEND					
1	Remove Existing Sign and Supports	46	Line, Paint, Solid, White, 4 in.	50	Transverse Marking, Thermoplastic, Yield Line, White, 24 In.
2	Install Sign and Supports	47	Line, Paint, Solid, Yellow, 4 in.	51	Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 In.
3	No Change Required to Existing Sign and Supports, Protect in Place	48	Line, Multi-Component, Solid, White, 4 in.	52	Grooving for Pavement Markings
		49	Line, Multi-Component, Solid, Yellow, 4 in.	60	Tubular Marker, Permanent

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: KRH	01/15/2024	DRAWN: KRH
CHECKED: DJK	01/15/2024	CHECKED: DJK

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

BRIDGE FILE	P000-64-07069A & TBD
SCALE	DESIGNATION
1" = 30'	2200175
SURVEY BOOK	SHEETS
	20 of 32
CONTRACT	PROJECT
B-44263	2200175



EXISTING STRUCTURE

The exiting structure (P000-64-07069) is an eight span cast-in-place concrete box beam bridge built in 1934 with a 160' span and 22'-4" clear roadway reinforced concrete deck with architectural concrete railing on both sides and wingwalls. Existing structure to be rehabilitated.

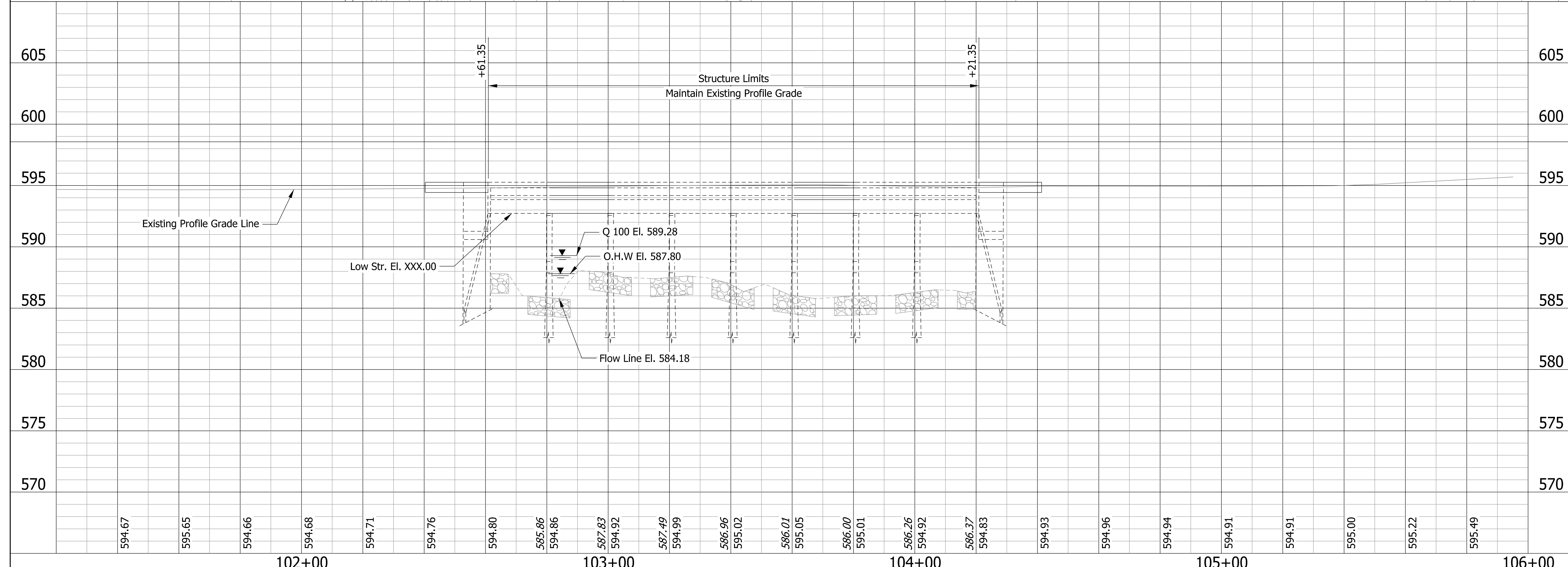
HYDRAULIC DATA

Waterway Opening Below Q100 El	= 441.32 sq ft
Drainage area	= 6.16 sq mi
Design Discharge, Q100	= 650 cfs
Velocity @ Q100	= 1.47 ft/s
Q100 El.	= 589.28 ft
Backwater @ Q100	= 0.16 ft
Exist. waterway opening below Q100	= 441.32 sq ft
Existing Backwater	= 0.17 ft
Low Structure El.	= 592.69 ft
Existing Low Structure El.	= 592.69 ft

HYDRAULIC SCOUR DATA

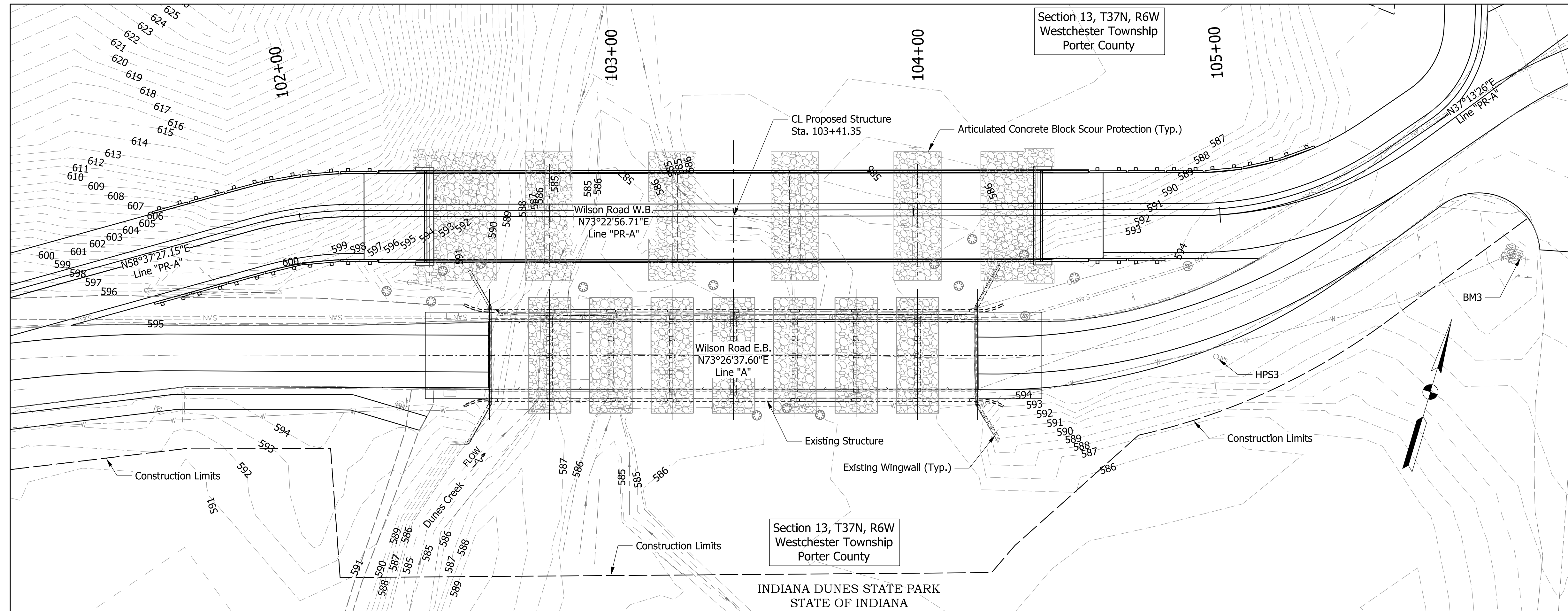
Q100 Discharge	= 650 cfs
Q100 El.	= 589.28 ft
Max. Velocity @ Q100	= 2.35 ft/s
Q100 Scour Depth (contraction)	= 0.5 ft
Q100 Scour Depth (total)	= 3.8 ft
Q100 Low Scour El.	= 580.38 ft
Q500 Discharge	= 898 cfs
Q500 El.	= 589.87 ft
Max. Velocity @ Q500	= 2.74 ft/s
Q500 Scour Depth (contraction)	= 2.5 ft
Q500 Scour Depth (total)	= 6.1 ft
Q500 Low Scour El.	= 578.08 ft

EARTHWORK TABULATION



REINFORCED CONCRETE BEAM BRIDGE
 8 SPANS: 19'-7", 6 @ 20'-0", 19'-7"
 22'-4" CLEAR ROADWAY; NO SKEW
 EASTBOUND WILSON ROAD OVER DUNES CREEK
 PORTER COUNTY

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE	INDIANA DEPARTMENT OF TRANSPORTATION	BRIDGE FILE	
	DESIGNED: RBR	2/16/2024	DRAWN: MGM		2/16/2024	P000-64-07069A & TBD
CHECKED: CMB	2/16/2024	CHECKED: CMB	2/16/2024	LAYOUT LINE "A"	DESIGNATION	
					SCALE	2200175
					1" = 20' H 1" = 5' V	2200175
				LAYOUT LINE "A"	SURVEY BOOK	SHEETS
					CONTRACT	21 of 32
					B-44263	PROJECT
					2200175	

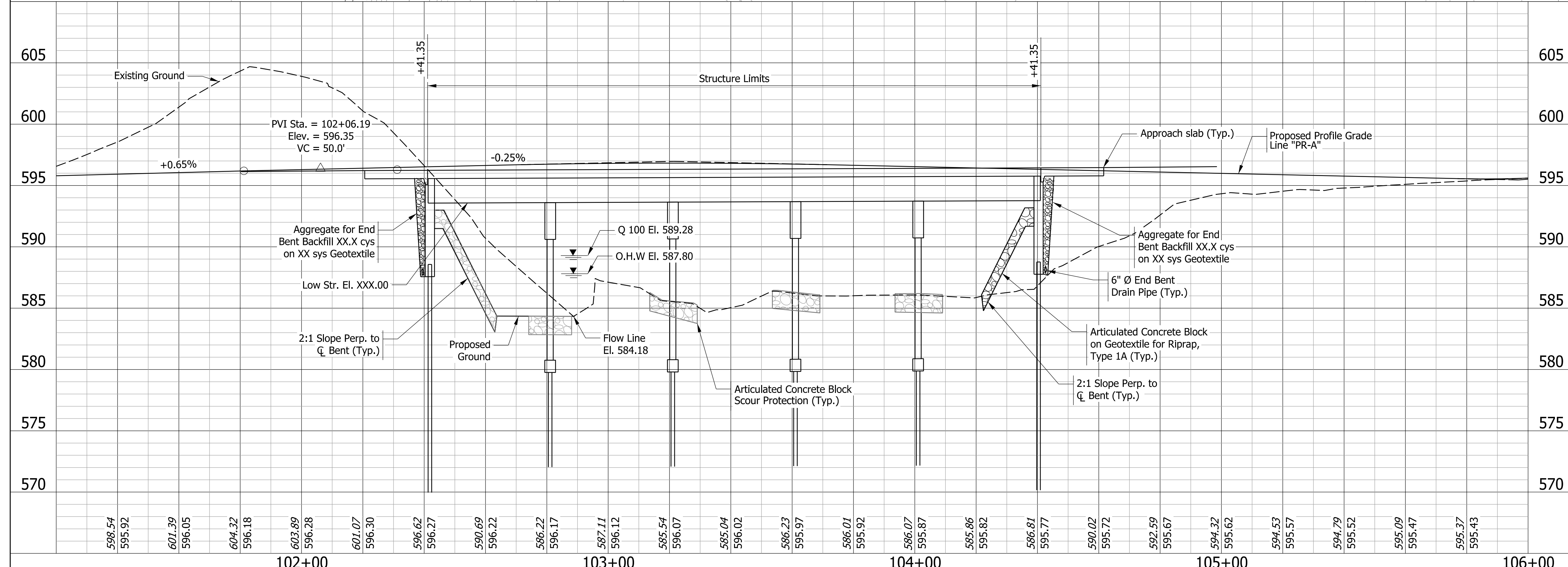


HYDRAULIC DATA

Waterway Opening Below Q100 El	= 441.32 sq ft
Drainage area	= 6.16 sq mi
Design Discharge, Q100	= 650 cfs
Velocity @ Q100	= 1.47 ft/s
Q100 El.	= 589.28 ft
Backwater @ Q100	= 0.16 ft
Exist. waterway opening below Q100	= 441.32 sq ft
Existing Backwater	= 0.17 ft
Low Structure El.	= 592.69 ft
Existing Low Structure El.	= 592.69 ft

HYDRAULIC SCOUR DATA

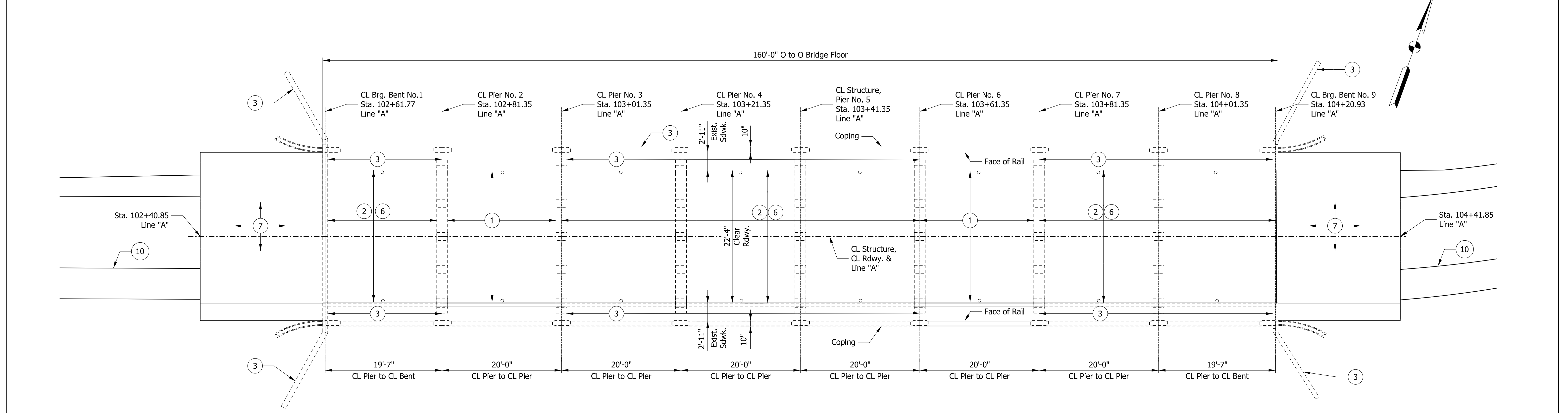
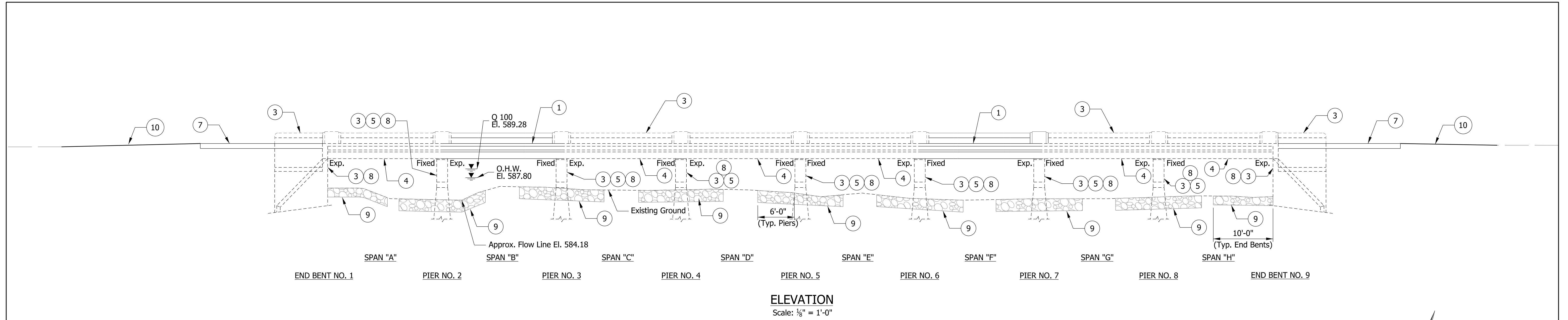
Q100 Discharge	= 650 cfs
Q100 El.	= 589.28 ft
Max. Velocity @ Q100	= 2.35 ft/s
Q100 Scour Depth (contraction)	= 0.5 ft
Q100 Scour Depth (total)	= 3.8 ft
Q100 Low Scour El.	= 580.38 ft
Q500 Discharge	= 898 cfs
Q500 El.	= 589.87 ft
Max. Velocity @ Q500	= 2.74 ft/s
Q500 Scour Depth (contraction)	= 2.5 ft
Q500 Scour Depth (total)	= 6.1 ft
Q500 Low Scour El.	= 578.08 ft



EARTHWORK TABULATION

PRESTRESSED CONCRETE NEXT BEAM BRIDGE
5 SPANS: 39'-3", 3 @ 40'-0", 39'-3"
28'-0" CLEAR ROADWAY; NO SKEW
WESTBOUND WILSON ROAD OVER DUNES CREEK
PORTER COUNTY

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE
DESIGNED: RBR	2/16/2024	DRAWN: MGM	LAYOUT LINE "PR-A"		P000-64-07069A & TBD
CHECKED: CMB	2/16/2024	CHECKED: CMB			DESIGNATION
					2200175
					SURVEY BOOK
					22 of 32
					CONTRACT
					B-44263
					PROJECT
					2200175



LEGEND

- ① Replace Spans B & F in kind. See Sheets X-X for details.
- ② Remove asphalt overlay, perform surface milling and hydrodemolition, then place a new rigid concrete deck overlay.
- ③ Patch piers, abutments, wingwalls, bridge railings, sidewalks as required.
- ④ Provide concrete patching and epoxy crack injection on the existing beams.
- ⑤ Fiber wrap piers.
- ⑥ Provide full depth deck patching. (Est. 134 sft)
- ⑦ Remove and replace the reinforced concrete bridge approach slabs.
- ⑧ Epoxy inject cracks in the abutments and piers, as required.
- ⑨ Place scour protection around the piers and abutments.
- ⑩ Place full depth approach pavement and transition milling to tie in to the existing roadway.

DESIGN DATA (EXISTING BRIDGE)

LIVE LOAD
Originally designed for HS-20 loading. New spans B & F designed for HS20-44 loading plus impact in accordance with the 2002 AASHTO Specifications.

DEAD LOAD
Original dead load design unknown. New spans B & F designed for actual weight plus 35 psf for future wearing surface plus 15 psf for stay-in-place forms.

DESIGN STRENGTHS
f_c = 4,000 psi
f_y = 60,000 psi

REINFORCED CONCRETE BEAM BRIDGE
8 SPANS: 19'-7", 6 @ 20'-0", 19'-7"
22'-4" CLEAR ROADWAY; NO SKEW
EASTBOUND WILSON ROAD OVER DUNES CREEK
PORTER COUNTY

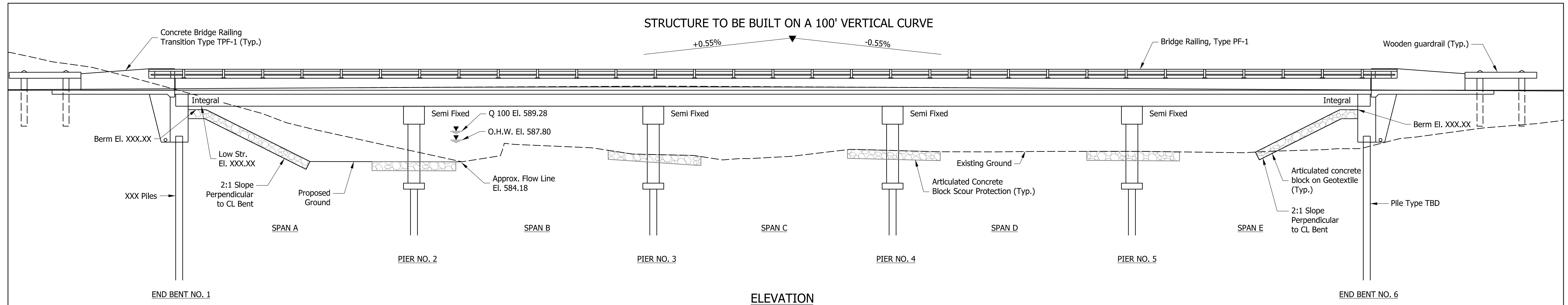
DATE	REVISION

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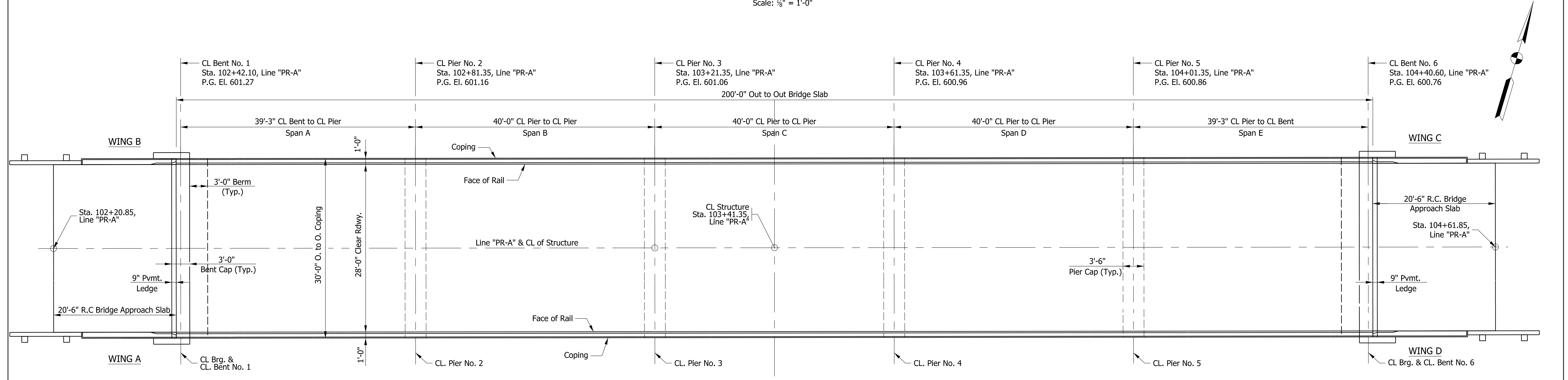
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
EASTBOUND BRIDGE

BRIDGE FILE	
P000-64-07069A & TBD	DESIGNATION
SCALE	2200175
1/8" = 1'-0"	SHEETS
SURVEY BOOK	23 of 32
CONTRACT	PROJECT
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ELEVATION
Scale: 1/8" = 1'-0"



PLAN
Scale: 1/8" = 1'-0"
(Riprap not shown in plan view for clarity.)

GENERAL NOTES
Reinforcing steel cover shall be 2 1/2" in top and 1" minimum in bottom of floor slab, 3" in footings, except bottom steel which shall be 4", and 2" in all other parts, unless noted.

DESIGN DATA
Designed for HL-93 loading, in accordance with AASHTO LRFD Bridge Design Specifications, 9th Edition, 2020 (LRFD 9), including interim revisions.

DEAD LOAD
Actual weight plus 35 lb/ft² for future wearing surface.

DESIGN STRENGTHS

CONCRETE
Class A f_c = 3,500 psi
Class B f_c = 3,000 psi
Class C f_c = 4,000 psi

REINFORCING STEEL
Grade 60 f_y = 60,000 psi

PRESTRESSED CONCRETE, NORMAL WEIGHT
f_c = 8,000 psi @ 28 days
f_c = 6,000 psi @ release of strands

PRESTRESSING STRANDS
0.6' dia., 7-Wire LoLax Strands (A_s = 0.217 in²)
Min. tensile Strength = 270,000 psi
Initial pull = 43,940 lbs. per strand

CONSTRUCTION LOADING

DECK FALSEWORK LOADS
Designed for 15 lb/ft² for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkway.

CONSTRUCTION LIVE LOAD
Designed for 20 lb/ft² extending 2 ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30-ft length of the deck centered with the finishing machine.

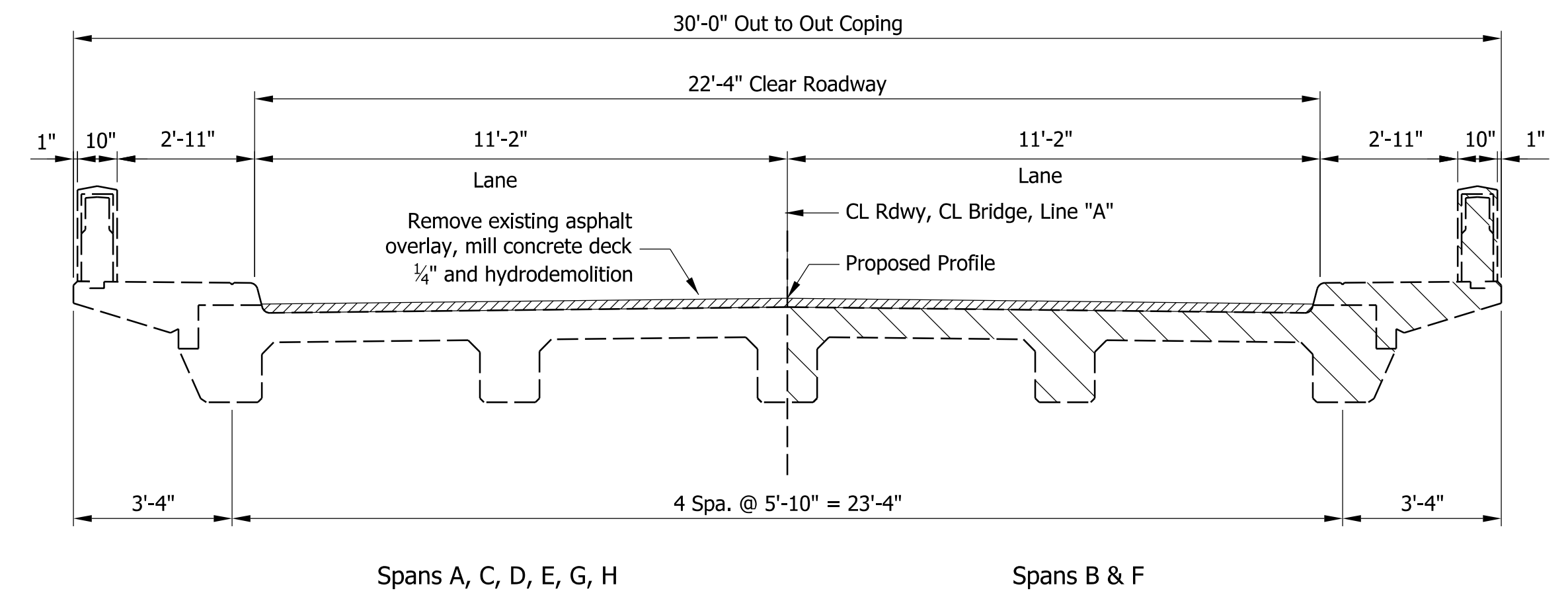
FINISHING MACHINE LOAD
4500 lb distributed over 10 ft along the coping.

WIND LOAD
Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.11

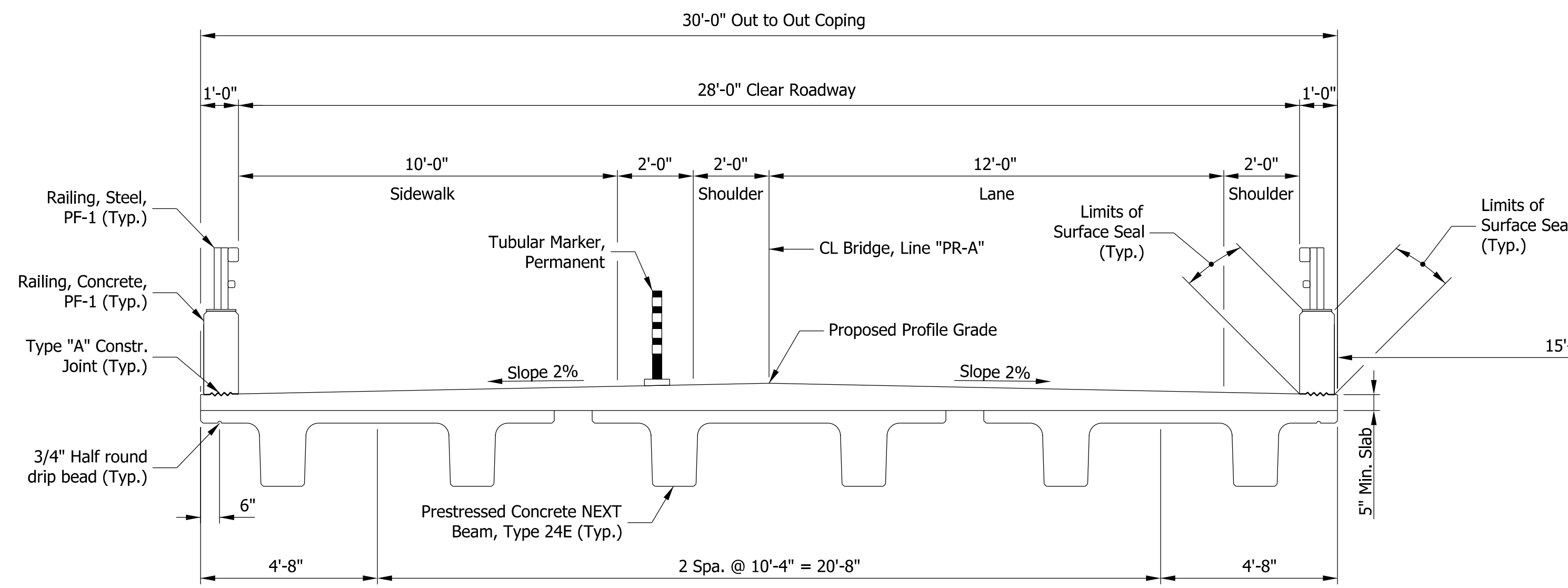
PRESTRESSED CONCRETE NEXT BEAM BRIDGE
5 SPANS: 39'-3", 3 @ 40'-0", 39'-3"
28'-0" CLEAR ROADWAY; NO SKEW
WESTBOUND WILSON ROAD OVER DUNES CREEK
PORTER COUNTY

DATE	REVISION	DESIGNED: RBR 2/16/2024		DRAWN: MGM 2/16/2024		CHECKED: CMB 2/16/2024		INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE	
		DESIGNED: RBR 2/16/2024		DRAWN: MGM 2/16/2024		CHECKED: CMB 2/16/2024		GENERAL PLAN		P000-64-07069A & TBD	
		DESIGNED: RBR 2/16/2024		DRAWN: MGM 2/16/2024		CHECKED: CMB 2/16/2024		WESTBOUND BRIDGE		SCALE: 1/8" = 1'-0"	
		DESIGNED: RBR 2/16/2024		DRAWN: MGM 2/16/2024		CHECKED: CMB 2/16/2024				DESIGNATION: 2200175	
		DESIGNED: RBR 2/16/2024		DRAWN: MGM 2/16/2024		CHECKED: CMB 2/16/2024				SURVEY BOOK: SHEETS 24 of 32	
		DESIGNED: RBR 2/16/2024		DRAWN: MGM 2/16/2024		CHECKED: CMB 2/16/2024				CONTRACT: PROJECT 2200175	
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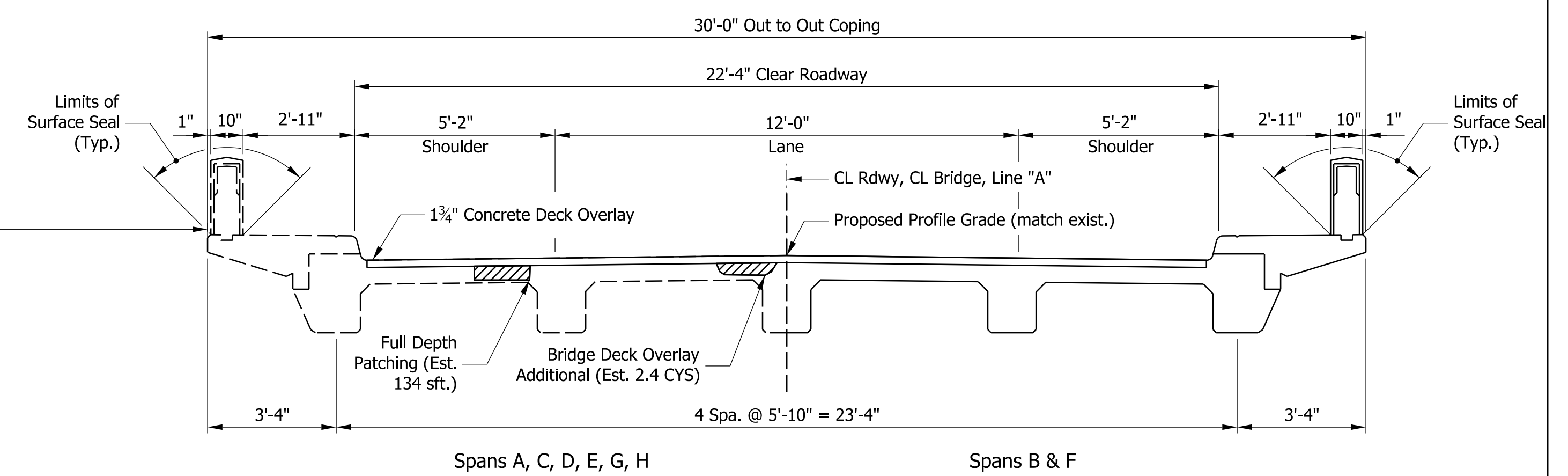
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EXISTING TYPICAL SECTION
Scale: 3/8" = 1'-0"



PROPOSED TYPICAL SECTION
Scale: 3/8" = 1'-0"



GENERAL NOTES

Existing bridge elevations shall be checked by the contractor prior to construction to ensure proper fit of the new concrete to the existing concrete.

Where new work is to be fitted of old work, the contractor shall verify all dimensions and conditions in the field and report all errors or discrepancies to the Engineer and assume all responsibility for their correctness and fit of the new part to the old.

MATERIAL NOTES

BRIDGE DECK OVERLAY:
2" Latex Modified Portland Cement Concrete
or
2" Silica Fume modified Structural Concrete

LEGEND

Indicates Limits of Removal

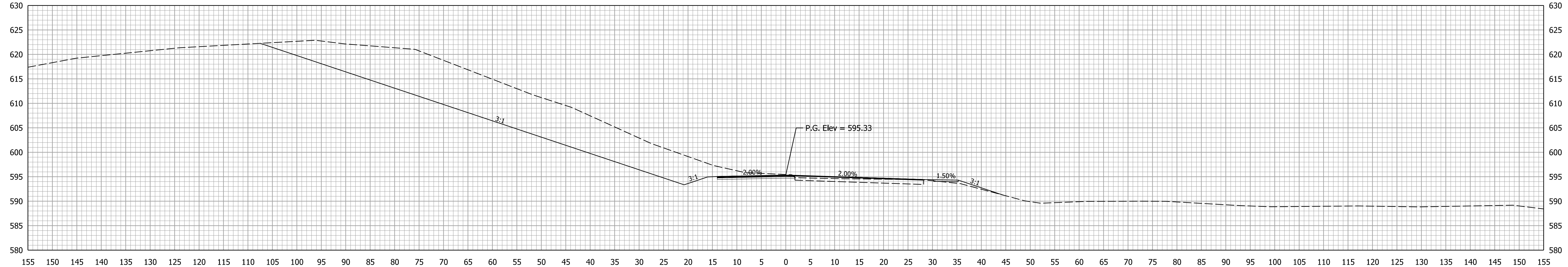
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REINFORCED CONCRETE BEAM BRIDGE
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22'-4" CLEAR ROADWAY; NO SKEW
EASTBOUND WILSON ROAD OVER DUNES CREEK
PORTER COUNTY

DATE	REVISION					INDIANA DEPARTMENT OF TRANSPORTATION	BRIDGE FILE P000-64-07069A & TBD
					RECOMMENDED FOR APPROVAL _____	DESIGNATION 2200175	
					DESIGNED: RBR 2/16/2024	SCALE 3/8" = 1'-0"	
					DRAWN: MGM 2/16/2024	SURVEY BOOK	
					CHECKED: CMB 2/16/2024	CHECKED: CMB 2/16/2024	SHEETS 25 of 32
							CONTRACT B-44263
							PROJECT 2200175

Note To Reviewer:
 Summary Tables To Be Completed In Future Submittal.

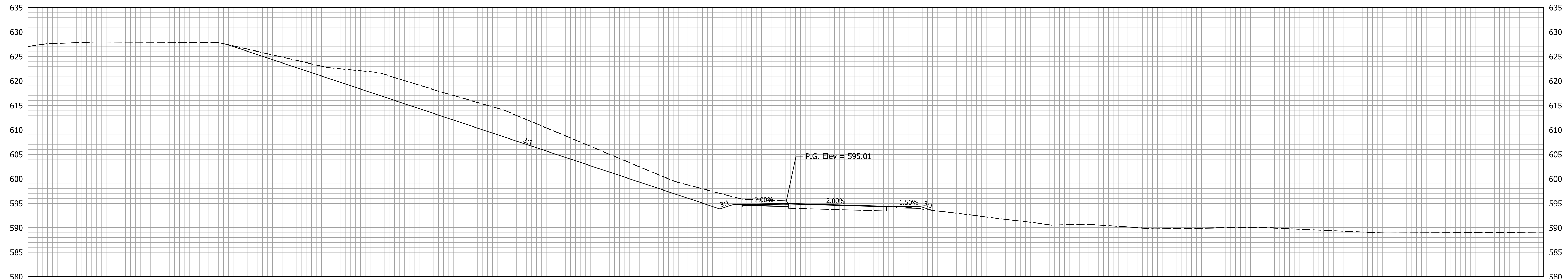
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		DESIGN ENGINEER		DATE		P000-64-07069A & TBD	
		NO SCALE		NO SCALE		DESIGNATION	
		2200175		2200175		2200175	
DESIGNED: CRW 10/13/2023		DRAWN: CRW 10/13/2023		ROAD SUMMARY		SURVEY BOOK SHEETS	
CHECKED: DJK 10/13/2023		CHECKED: DJK 10/13/2023				27 of 32	
						CONTRACT PROJECT	
						B-44263 2200175	



Ac = 641.7 SFT
Vc = 941 CYS

Af = 3.8 SFT
Vf = 6 CYS

100+50.00



Ac = 374.4 SFT
Vc = 0 CYS

Af = 0.6 SFT
Vf = 0 CYS

100+00.00

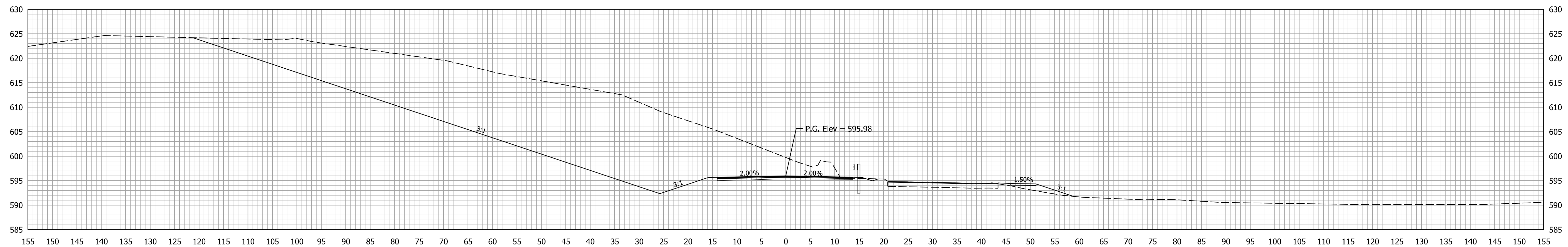
Begin Project
Sta. 100+00.00 Line "PR-A"
Begin Incidental Construction
Sta. 99+15.00 Line "PR-A"
Des. No. 2200175

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CRW	10/13/2023	DRAWN: CRW 10/13/2023
CHECKED: DJK	10/13/2023	CHECKED: DJK 10/13/2023

INDIANA
DEPARTMENT OF TRANSPORTATION

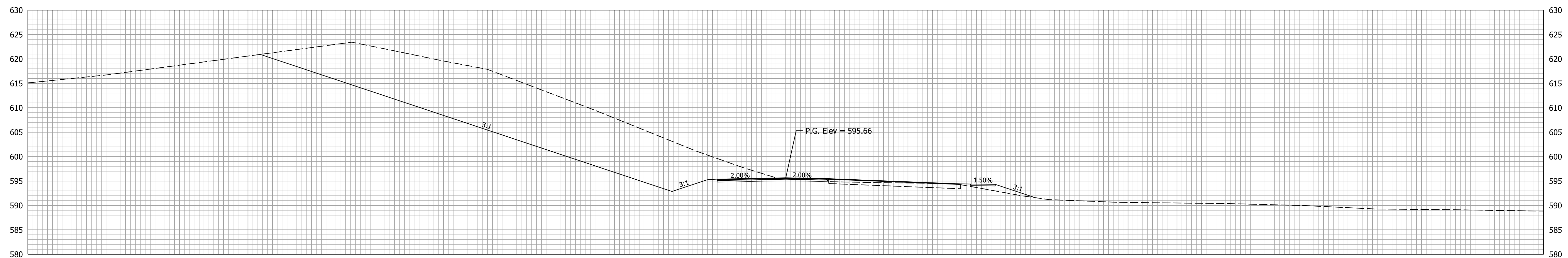
CROSS SECTIONS
LINE "PR-A"

BRIDGE FILE	P000-64-07069A & TBD
SCALE	DESIGNATION
1" = 10'	2200175
SURVEY BOOK	SHEETS
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Ac = 1326.6 SFT Af = 10.9 SFT
 Vc = 2070 CYS Vf = 24 CYS

101+50.00



Ac = 908.7 SFT Af = 9.5 SFT
 Vc = 1436 CYS Vf = 16 CYS

101+00.00

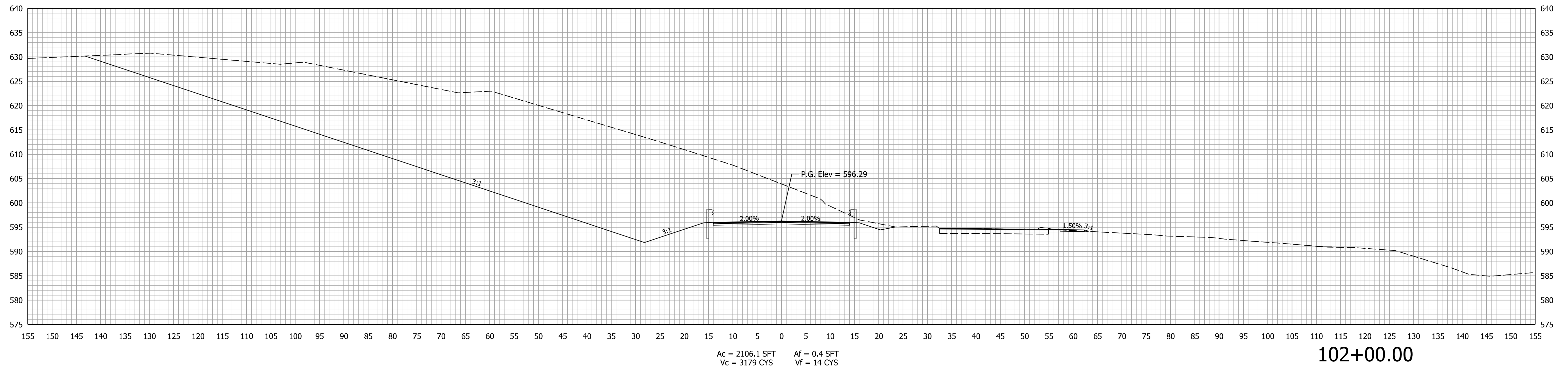
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CHECKED: DJK	10/13/2023	CHECKED: DJK 10/13/2023

INDIANA
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
LINE "PR-A"**

BRIDGE FILE	
P000-64-07069A & TBD	
DESIGNATION	
2200175	
SHEETS	
29	of 32
PROJECT	
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Begin Paving Exception
 Sta. 102+20.85 Line "PR-A"
 Des. No. 2200175

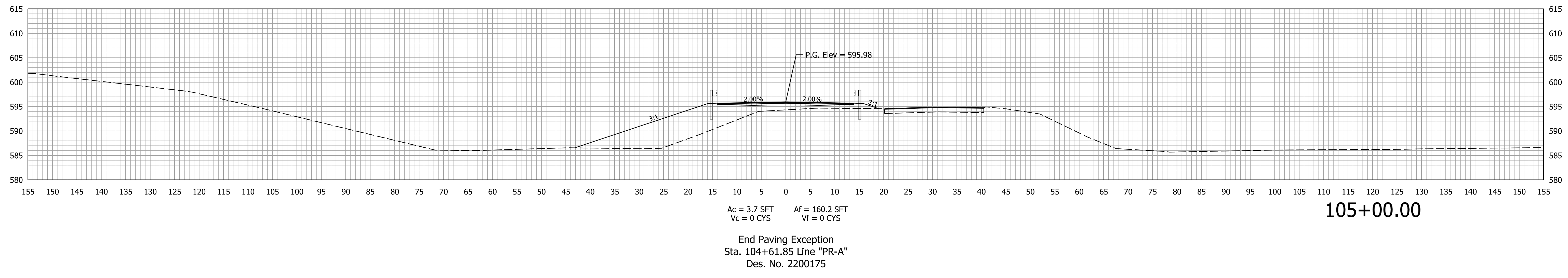
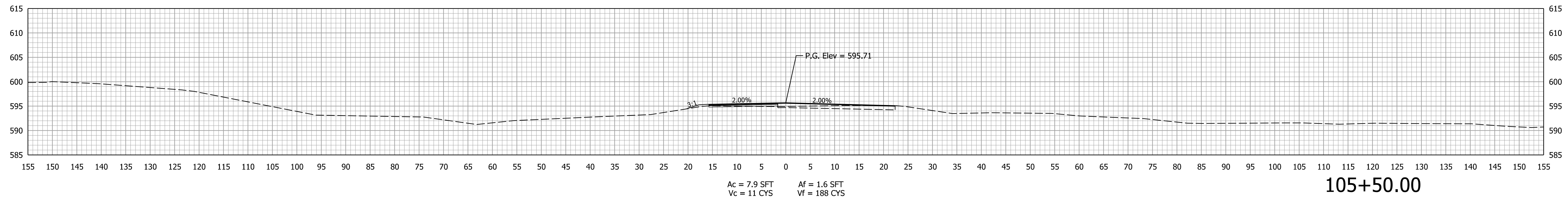
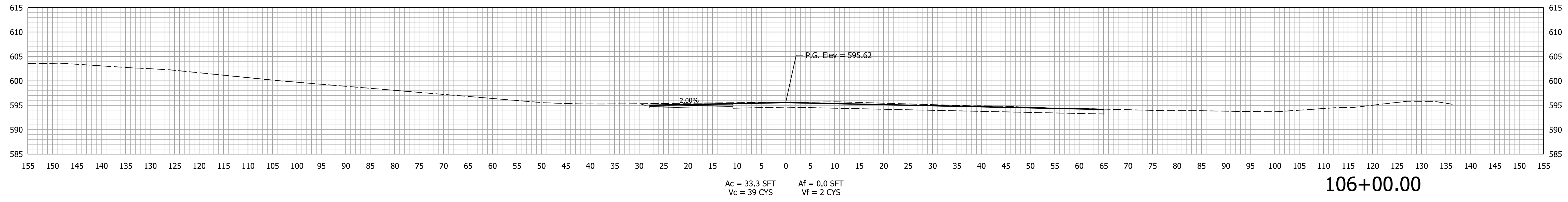


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INDIANA
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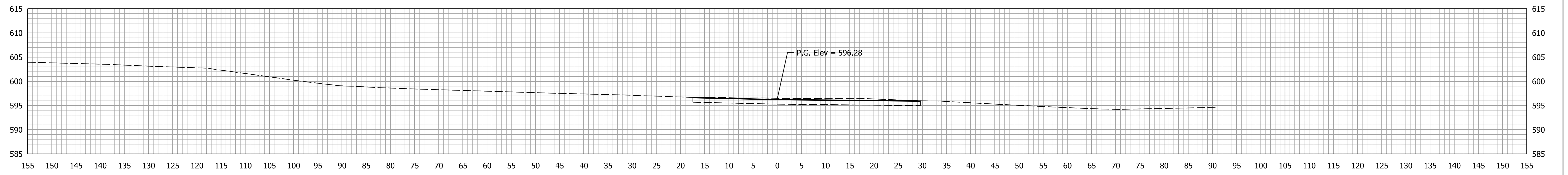
**CROSS SECTIONS
 LINE "PR-A"**

BRIDGE FILE	
P000-64-07069A & TBD	
SCALE	DESIGNATION
1" = 10'	2200175
SURVEY BOOK	SHEETS
	30 of 32
CONTRACT	PROJECT
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		INDIANA DEPARTMENT OF TRANSPORTATION	BRIDGE FILE P000-64-07069A & TBD
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____		DESIGNATION 2200175
	DATE _____		SHEETS 31 of 32
DESIGNED: CRW 10/13/2023	DRAWN: CRW 10/13/2023	CROSS SECTIONS LINE "PR-A"	PROJECT 2200175
CHECKED: DJK 10/13/2023	CHECKED: DJK 10/13/2023		CONTRACT B-44263

End Incidental Construction
 Sta. 106+36.52 Line "PR-A"
 Des. No. 2200175



Ac = 14.3 SFT Af = 0.0 SFT
 Vc = 32 CYS Vf = 0 CYS

106+36.52

End Project
 Sta. 106+02.75 Line "PR-A"
 Des. No. 2200175

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		DESIGN ENGINEER _____ DATE _____			P000-64-07069A & TBD		
		DESIGNED: CRW 10/13/2023 DRAWN: CRW 10/13/2023			DESIGNATION		
		CHECKED: DJK 10/13/2023 CHECKED: DJK 10/13/2023			2200175		
CROSS SECTIONS LINE "PR-A"				SURVEY BOOK		SHEETS	
				32 of 32			
				CONTRACT		PROJECT	
				B-44263		2200175	