

SAMPLE PLANS – REDUCED CONFLICT INTERSECTION (RCI)

Reference: IDM 14 Plan Preparation

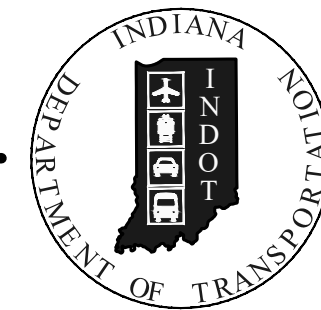
The sample **Reduced Conflict Intersection (RCI)** plan set is provided for reference only and reflects design decisions made for a specific project with its own constraints. It does not establish a standard and should not be used in place of current INDOT criteria, policies, or engineering judgment. Designers are responsible for ensuring all project plans comply with current INDOT requirements and project specific constraints.

Summary of Revisions (for future use)

Sheet	Revision Date	Note

PROJECT	DESIGNATION
1702937	1700717
CONTRACT	
R-41500	

INDIANA DEPARTMENT OF TRANSPORTATION



INFORMATION ONLY

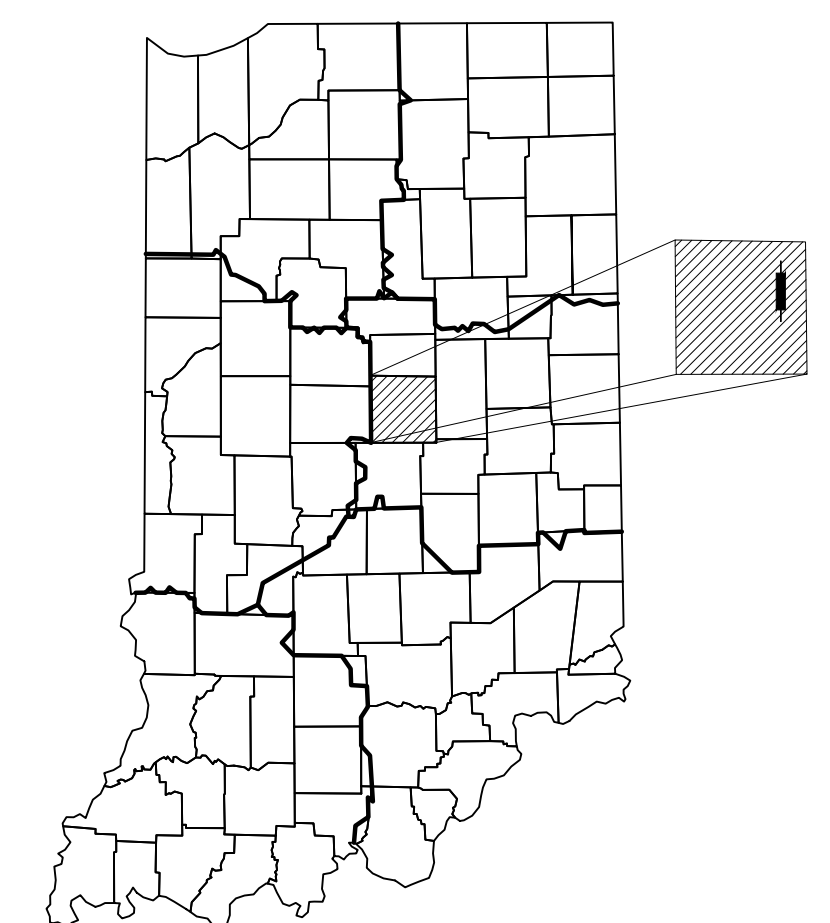
ROAD PLANS

ROUTE: SR 37 FROM: RP 175+0.70 TO: RP 176+0.20
 PROJECT NO. 1700717 1700717 P.E.
 N.A. R/W
 R-41500 CONST.

NO ADDITIONAL RIGHT-OF-WAY
 REQUIRED FOR THIS PROJECT

TRAFFIC DATA		
A.A.D.T.	(2023)	23,480 V.P.D.
A.A.D.T.	(2043)	28,649 V.P.D.
D.H.V.	(2043)	3325 V.P.H.
DIRECTIONAL DISTRIBUTION		(NB) 55.0 %
TRUCKS		8.09% A.A.D.T. 3.5 % D.H.V.

DESIGN DATA	
DESIGN SPEED	55 MPH
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN (SUBURBAN)
TERRAIN	LEVEL
ACCESS CONTROL	PARTIAL



PROJECT LOCATION SHOWN BY
 Hamilton County

LATITUDE: 40° 03' 42" N LONGITUDE: 85° 59' 27" W

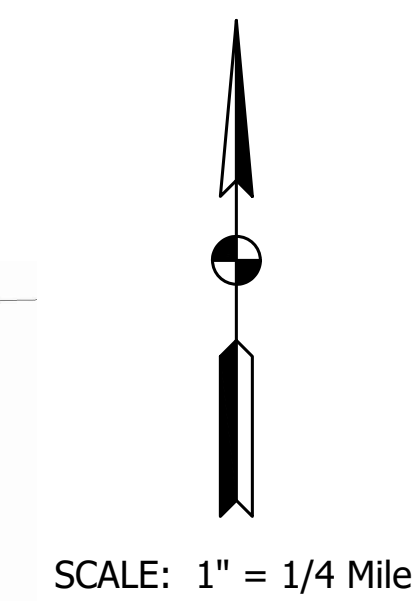
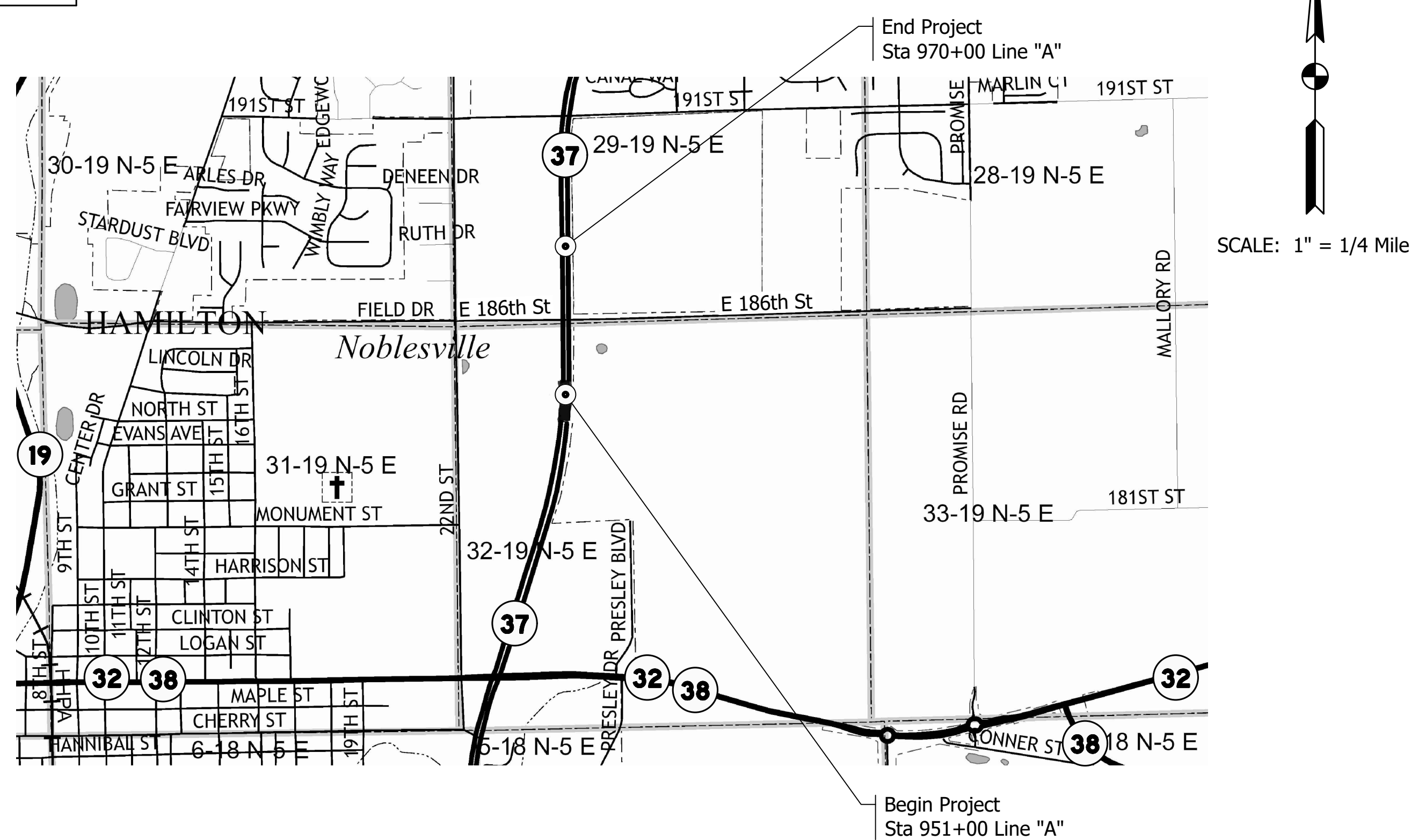
GROSS LENGTH: 0.36 MI.
 NET LENGTH: 0.36 MI.
 MAX. GRADE: -0.30 %

HUC: 05120201070070, Stony Creek-North Trib (Noblesville)

KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
1702937*	SR 32 from Lakeview Dr. to 19th St. Resurfacing and Pavement Improvements
1700717	SR 37 & 186th Street Intersection Improvements w/ Median U-Turn
1601806	SR 32 Various Intersection Improvements w/ Signals, 8th, 9th, 10th, and 16th Streets
1702085	SR 37 & 206th Street Intersection Improvements w/ Signal Modernization

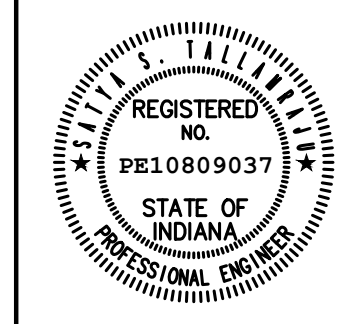
* LEAD DESIGNATION

Intersection Improvement on State Road 37 at East 186th Street
 Located 0.9 Miles North of SR 32/38
 Sections 29 and 32, T-19-N, R-5-E
 City of Noblesville, Hamilton County, Indiana



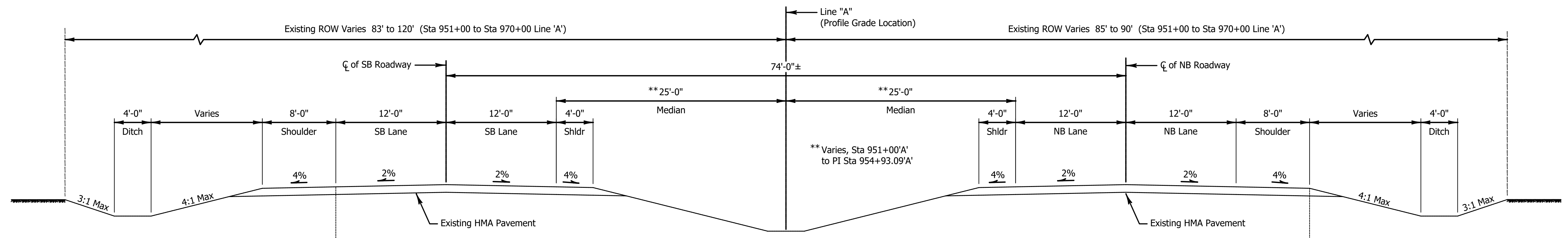
INDIANA DEPARTMENT OF TRANSPORTATION
 STANDARD SPECIFICATIONS DATED 2024
 TO BE USED WITH THESE PLANS

INFORMATION ONLY



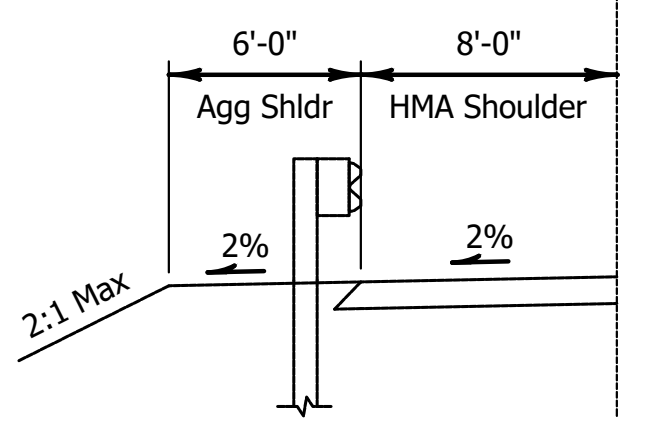
PLANS PREPARED BY: Satya Tallamraju, Project Manager
 SEH of Indiana, LLC, 9200 Calumet Ave., Suite N300, Munster, IN 46321 (219) 513-2500
 PHONE NUMBER
 CERTIFIED BY: *Satya Tallamraju* 06/26/23
 DATE
 APPROVED FOR LETTING: *Mark Bailey* 08/31/2023
 DATE
 INDIANA DEPARTMENT OF TRANSPORTATION

DESIGNATION	1700717	
SURVEY BOOK	SHEETS	
N.A.	01	of 58
CONTRACT	PROJECT	
R-41500	1702937	

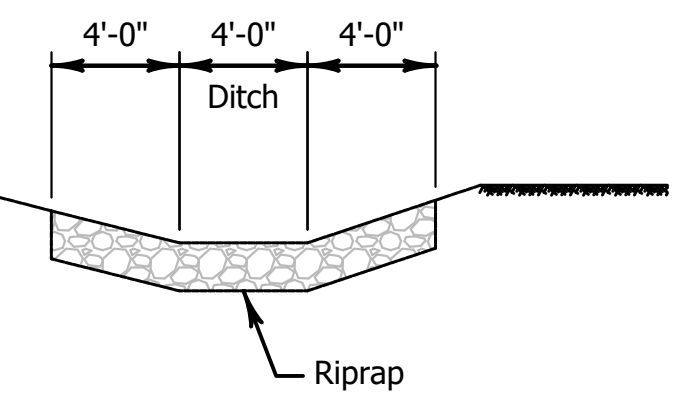


TYPICAL CROSS SECTION - Existing

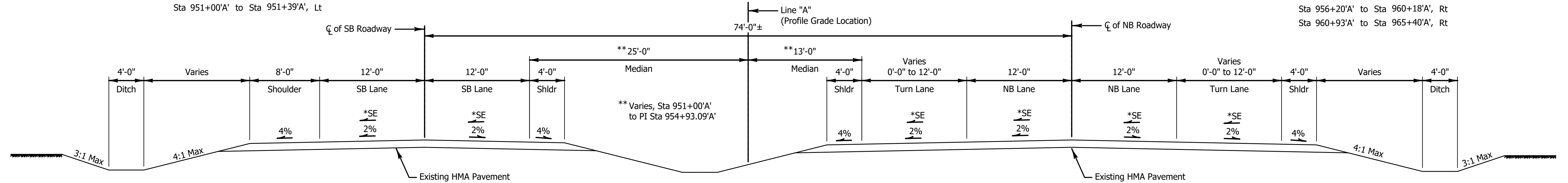
Sta 950+00'A' to Sta 953+12'A'
Sta 968+95'A' to Sta 970+00'A'



Sta 951+00'A' to Sta 951+39'A', Lt



Sta 956+20'A' to Sta 960+18'A', Rt
Sta 960+93'A' to Sta 965+40'A', Rt

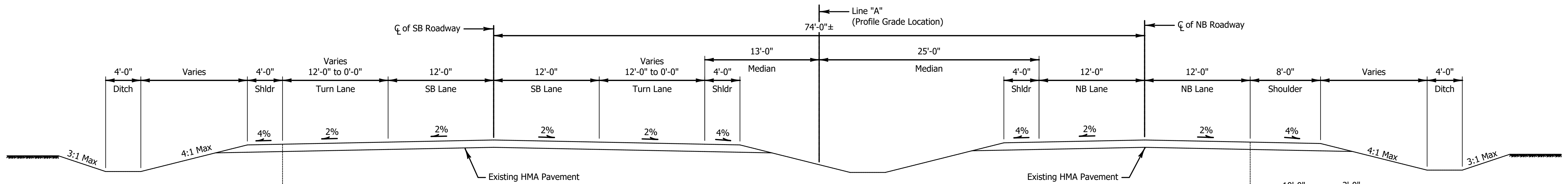


TYPICAL CROSS SECTION - Existing

Sta 953+12'A' to Sta 960+58'A'

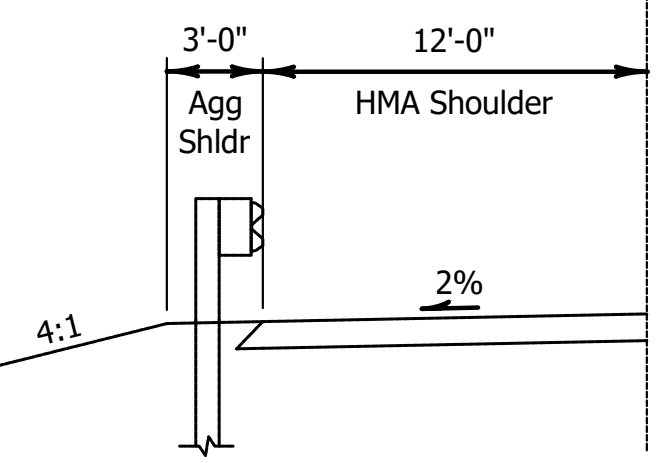
*SB SE = 2% Sta 951+00'A' to 955+37'A'

*NB SE = 2.2% Sta 951+00'A' to 954+67'A'

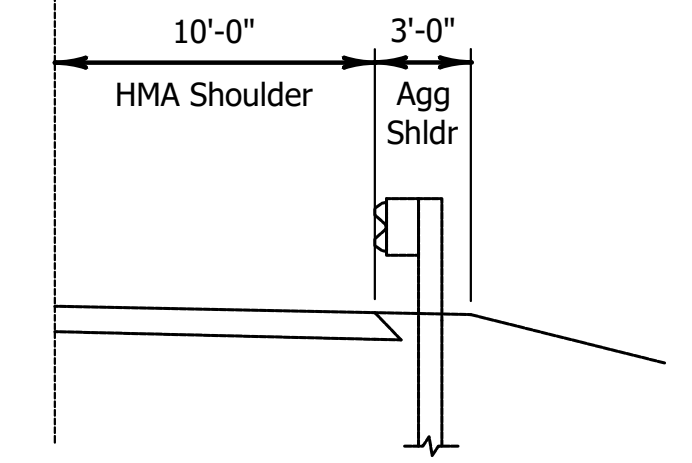


TYPICAL CROSS SECTION - Existing

Sta 960+58'A' to Sta 968+95'A'



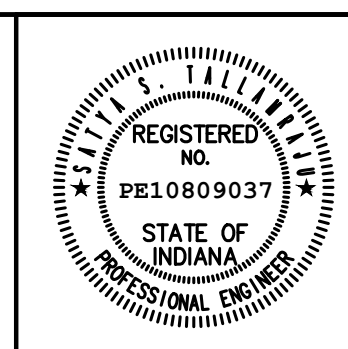
Sta 963+49'A' to Sta 967+34'A', Lt



Sta 961+58'A' to Sta 965+39'A', Rt

Plot Date & Time: 6/26/2023 4:57:21 PM

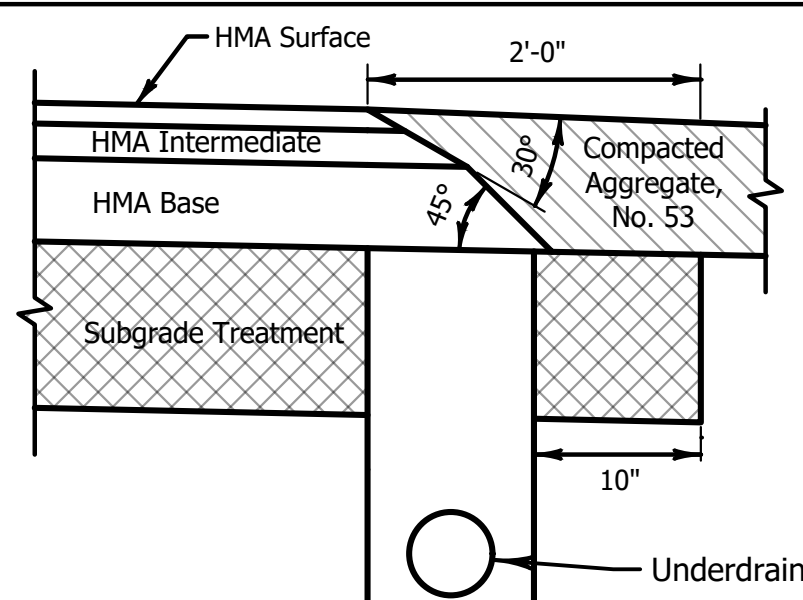
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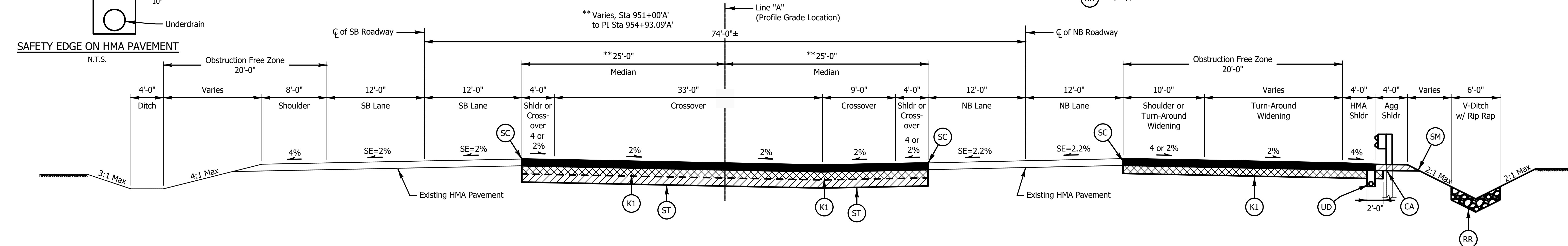
RECOMMENDED FOR APPROVAL	<i>T. J. Sullivan</i>	DESIGN ENGINEER	DATE
			06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL CROSS SECTIONS	

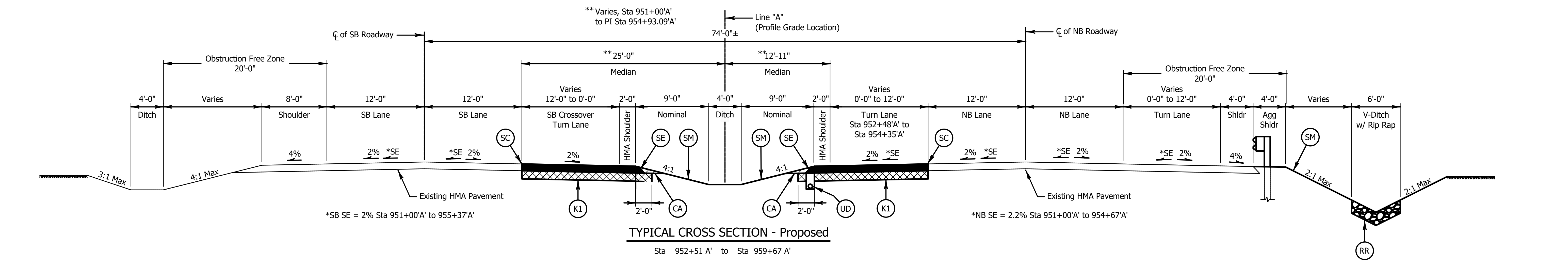
SCALE	BRIDGE FILE
1.0" = 6.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	03 of 58
CONTRACT	PROJECT
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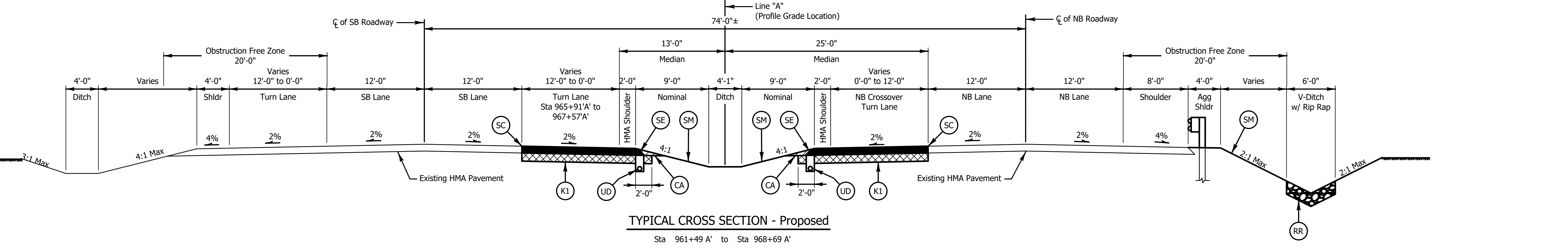
SAFETY EDGE ON HMA PAVEMENT
N.T.S.



TYPICAL CROSS SECTION - Proposed
Sta 950+00 A' to Sta 952+51 A'



TYPICAL CROSS SECTION - Proposed
Sta 952+51 A' to Sta 959+67 A'

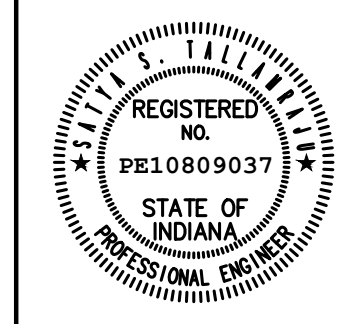


TYPICAL CROSS SECTION - Proposed
Sta 961+49 A' to Sta 968+69 A'

- LEGEND:**
- (SE) Safety Edge on HMA Pavement (See Detail, This Sheet)
 - (CA) 10" Compacted Aggregate, No. 53
 - (SM) Seed Mixture, Type R (Except Where Specified Otherwise on the Plan & Profile Sheets)
 - (SC) Sawcut
 - (K1) FULL DEPTH HMA WIDENING (For Travel Lanes & Shoulders)
165 #/SYD, QC/QA HMA, 4, 76, Surface, 9.5 mm on 275 #/SYD, QC/QA HMA, 4, 76, Intermediate, 19.0 mm on 990 #/SYD, QC/QA HMA, 4, 64, Base, 25.0 mm on Subgrade Treatment, Type 1C
 - (UD) Pipe, Type 2A, Circular, Underdrain
 - (RR) Riprap, Revetment
 - (ST) Subgrade Foundation Treatment:
Applies to Sta. 951+70 to Sta. 952+52
Excavation, Common, 1' Depth
Geotextile for Pavement, Type 2B on Compacted Aggregate, No. 2
*Depth and Location to be Field Verified Based on Existing Soil Conditions and as Directed by the Engineer.

Plot Date & Time: 6/26/2023 4:57:25 PM

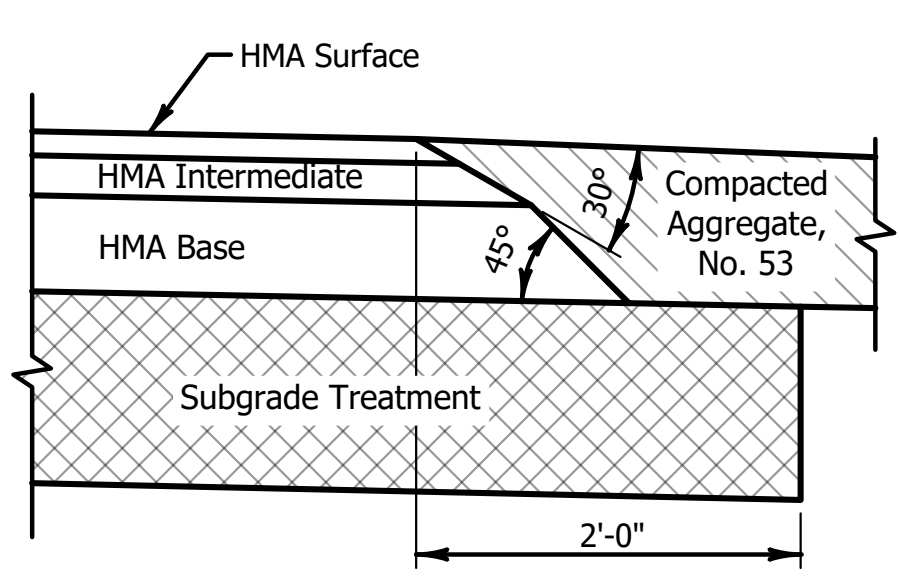
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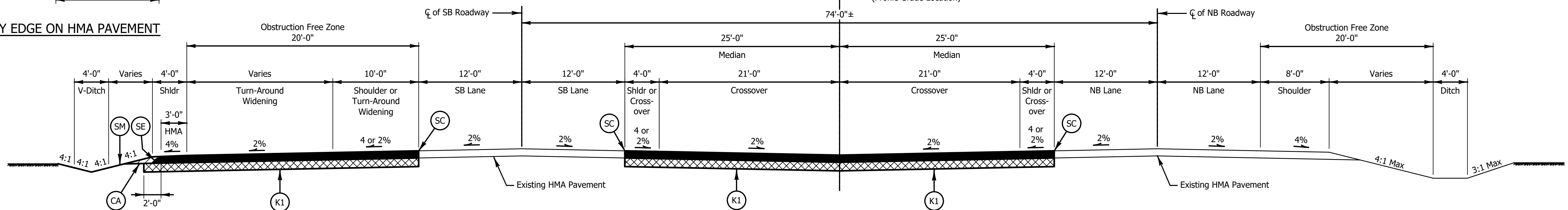
RECOMMENDED FOR APPROVAL	<i>T. Sullivan</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION
TYPICAL CROSS SECTIONS

SCALE	BRIDGE FILE
1.0" = 6.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	04 of 58
CONTRACT	PROJECT
R-41500	1702937

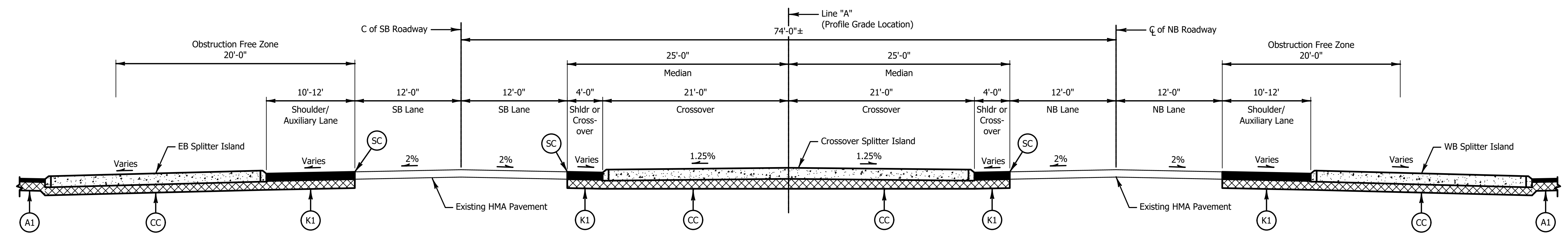


SAFETY EDGE ON HMA PAVEMENT



TYPICAL CROSS SECTION - Proposed

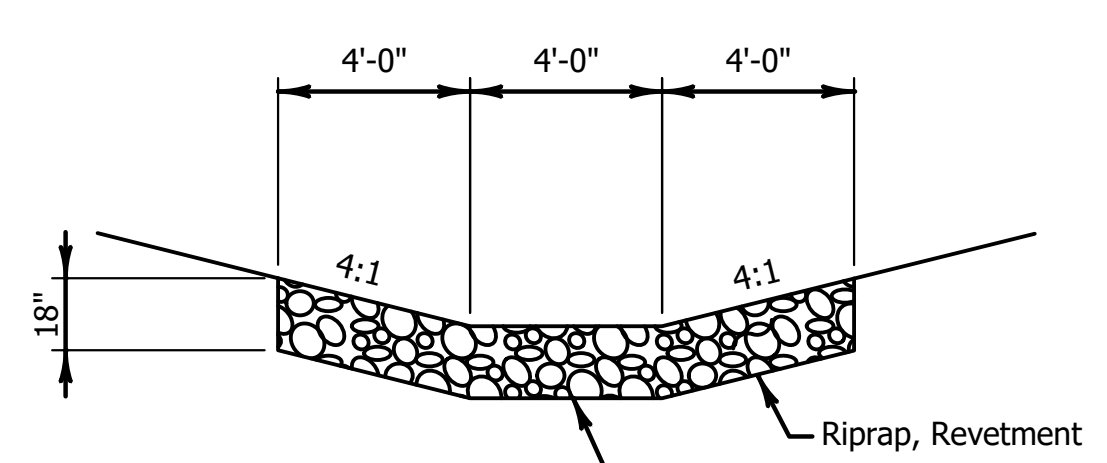
Sta 968+69 A' to Sta 970+00 A'



TYPICAL CROSS SECTION - Proposed

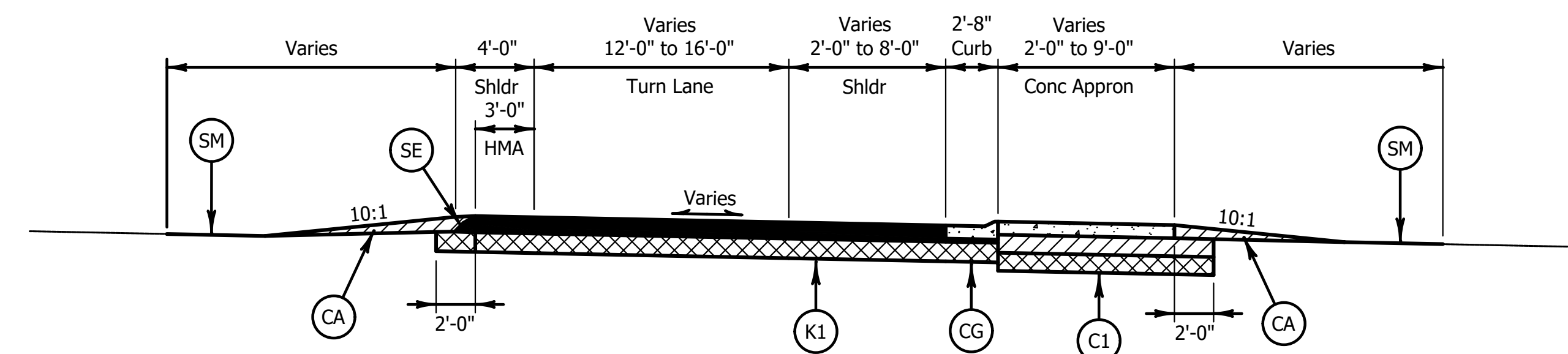
Sta 959+67 A' to Sta 961+49 A'

(Note, Islands Projected to Offset View Planes for Drawing Clarity)



RIPRAP DITCH

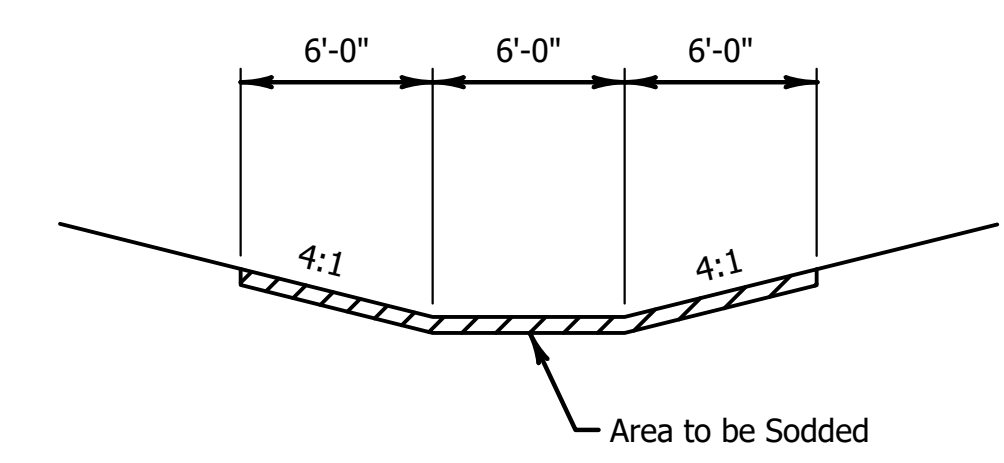
N.T.S. (See Plan & Profile for Locations)



TYPICAL CROSS SECTION - Proposed

Left Turn Lane Thru Roadway Median

(Note, Section View Cut thru Center of Median for Drawing Clarity)



SODDED DITCH

N.T.S. (See Plan & Profile for Locations)

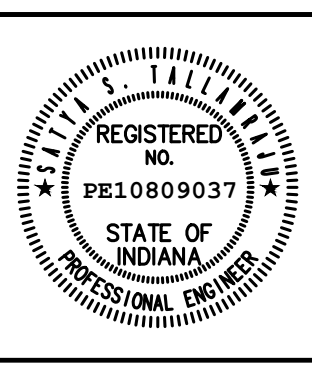
LEGEND:

- (SE) Safety Edge on HMA Pavement (See Detail, This Sheet)
- (CA) 10" Compacted Aggregate, No. 53
- (SM) Seed Mixture, Type R (Except Where Specified Otherwise on the Plan & Profile Sheets)
- (SC) Sawcut
- (K1) FULL DEPTH HMA WIDENING (For Travel Lanes & Shoulders) 165 #/SYD, QC/QA HMA, 4, 76, Surface, 9.5 mm on 275 #/SYD, QC/QA HMA, 4, 76, Intermediate, 19.0 mm on 990 #/SYD, QC/QA HMA, 4, 64, Base, 25.0 mm on Subgrade Treatment, Type IC
- (CC) Concrete Center Curb Type B (Sloping), Over Subgrade Treatment, Type IC
- (C1) 8 In. Plain Joint PCCP on D-1 Contraction Joint Spacing at 15-feet (Measured at the Back of Curb and Gutter, B, Concrete) with 1.0 In. Diameter Dowel Bars on 11 In. of Compacted Aggregate, No. 53 on Subgrade Treatment, Type IC
- (A1) HMA FOR APPROACHES, TYPE C 165 #/SYD, HMA Type C, Surface, 9.5 mm on 275 #/SYD, HMA Type C, Intermediate, 19.0 mm on Subgrade Treatment, Type IC
- (CG) Concrete Curb and Gutter, Type B (Sloping), Over Subgrade Treatment, Type IC

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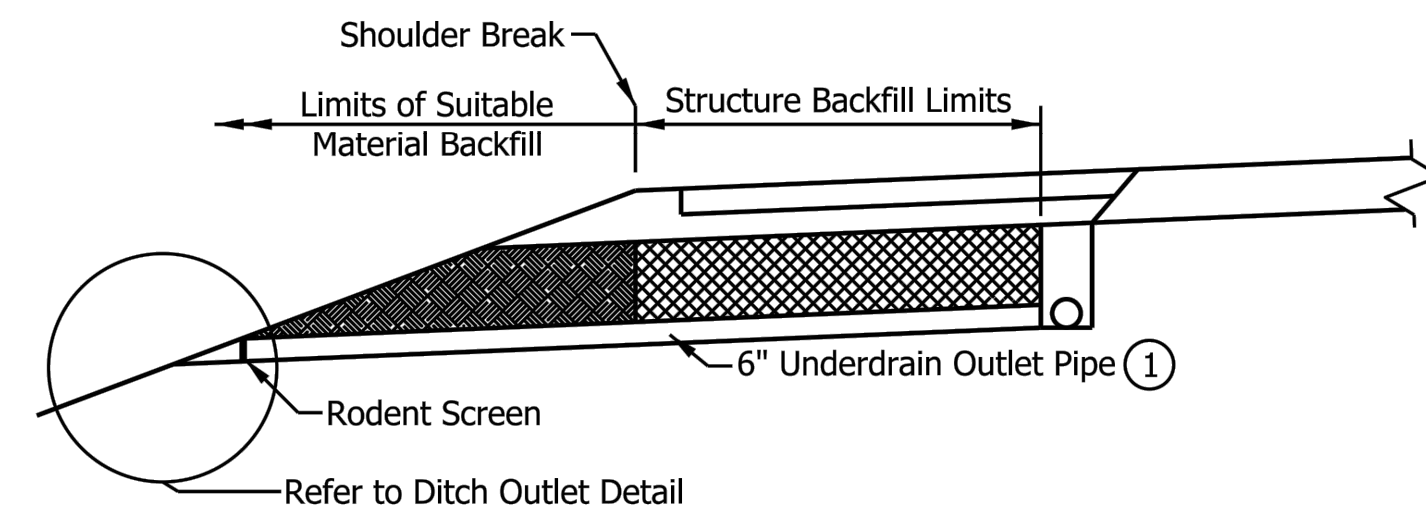
DATE	REVISION



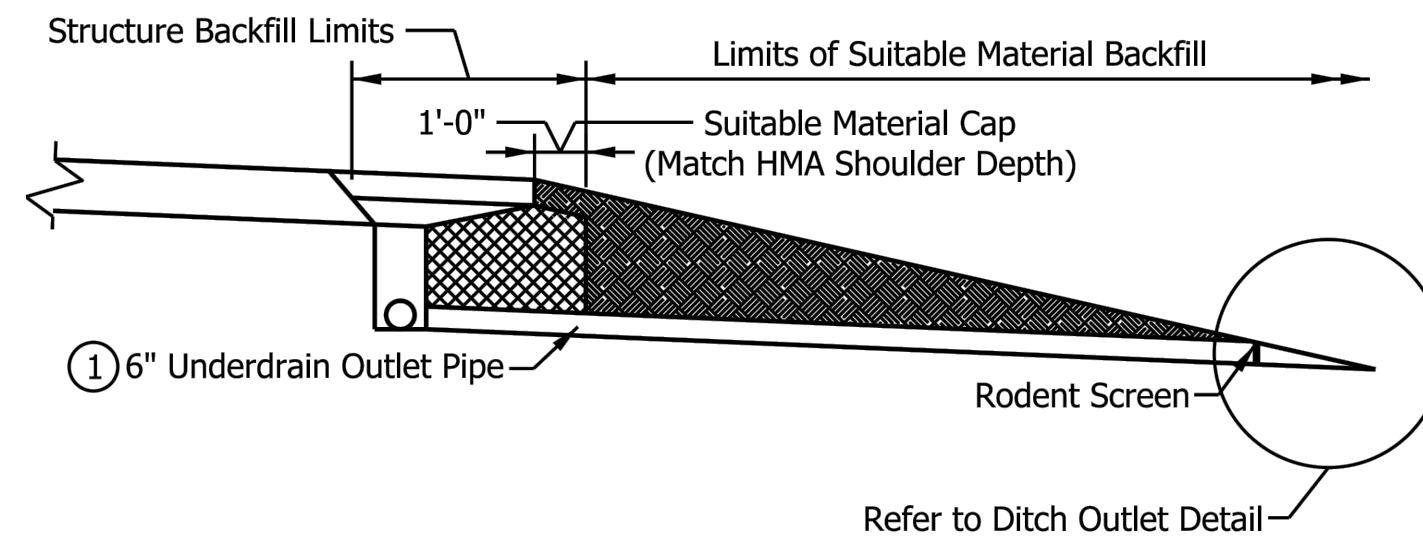
RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL CROSS SECTIONS	

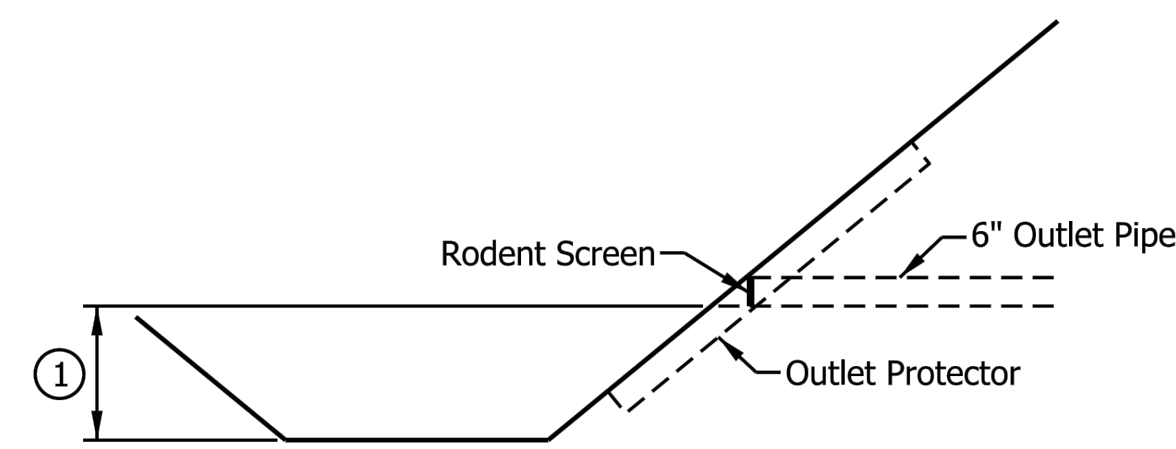
SCALE	BRIDGE FILE
1.0" = 6.0"	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
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OUTSIDE SHOULDER INSTALLATION



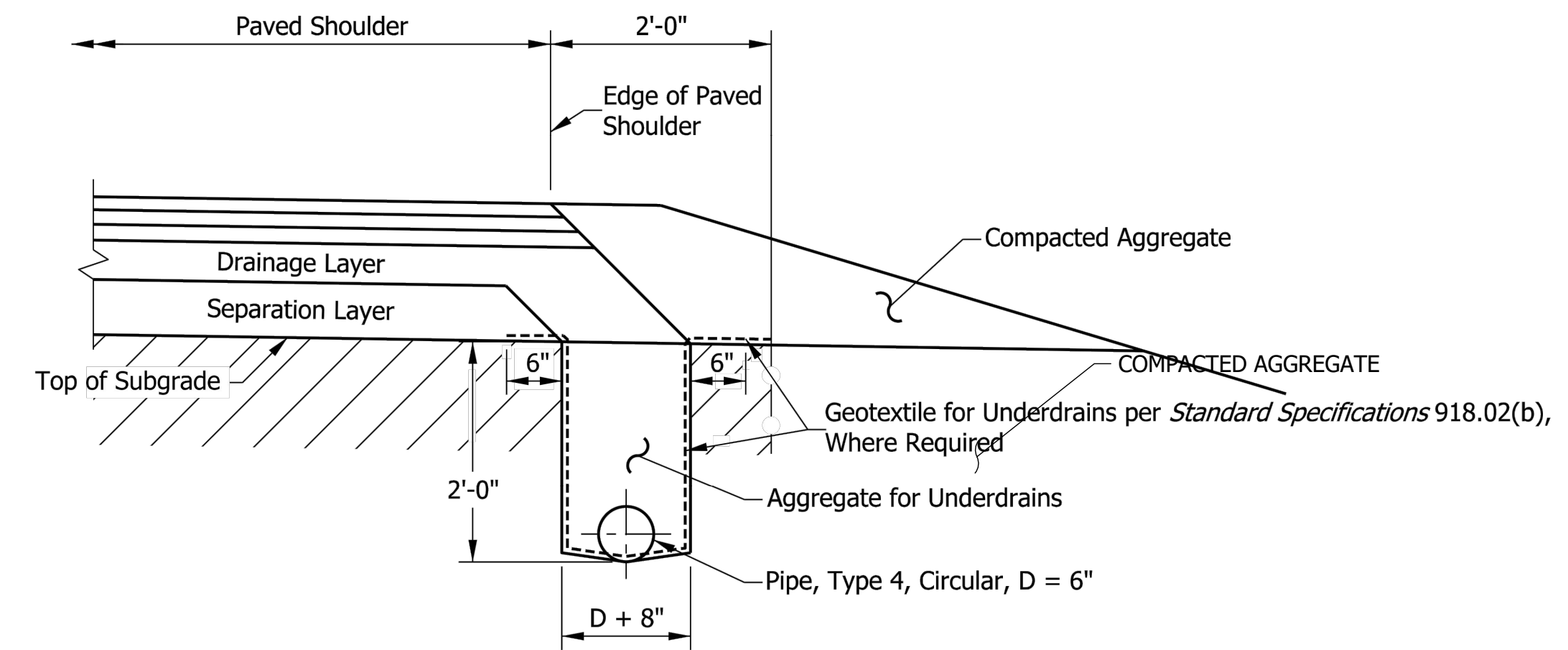
MEDIAN SHOULDER INSTALLATION



DITCH OUTLET DETAIL

NOTE:

① If underdrain outlet pipe elevations are not shown on Underdrain Table, the minimum outlet pipe slope shall be 0.3%. The minimum freeboard between the outlet pipe outfall and the ditch line shall be 1'-0" for median ditches and 2'-0" for side ditches.



NOTE:

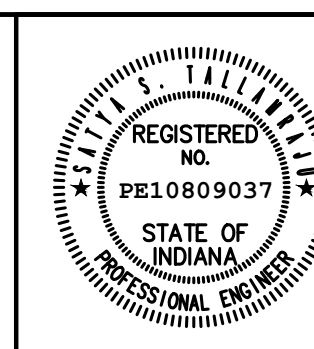
- Configuration for median shoulder is the same as for an outside shoulder.
 - Layer thicknesses are not to scale. Apparent thicknesses shown may not be representative of the selected drainage or separation layer

UNDERDRAIN FOR HMA PAVEMENT WITH FULL-DEPTH HMA SHOULDER

Figure 602-3K

Plot Date & Time: 6/26/2023 4:57:41 PM

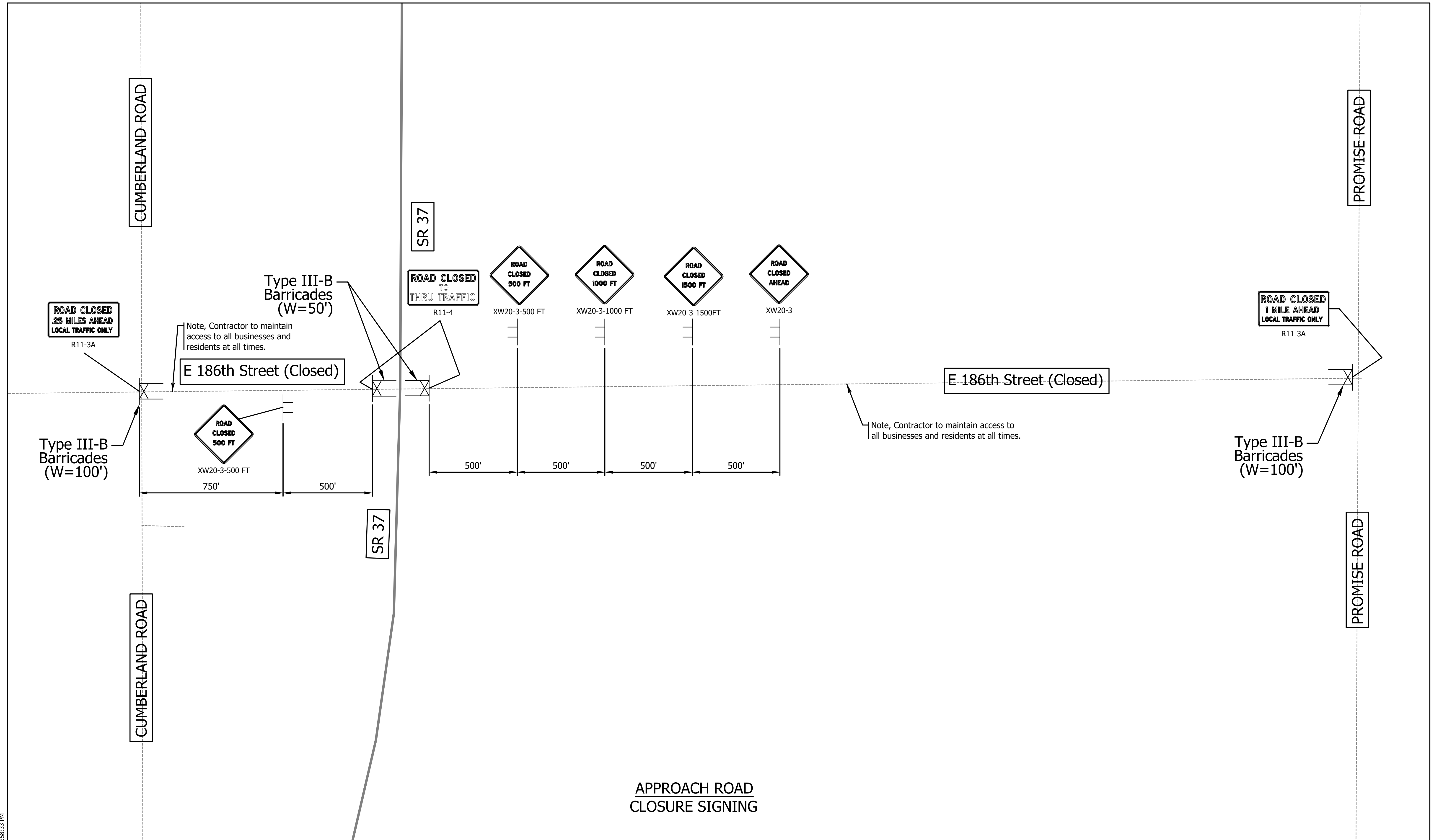
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RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL CROSS SECTIONS	

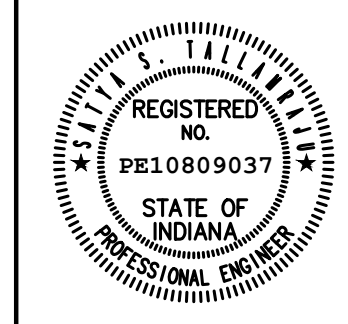
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NTS	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	06 of 58
CONTRACT	PROJECT
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APPROACH ROAD
CLOSURE SIGNING

Plot Date & Time: 6/26/2023 4:58:33 PM

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RECOMMENDED FOR APPROVAL	<i>T. J. Sullivan</i>	DESIGN ENGINEER	DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION	
DETOUR 1 DETAIL	

SCALE	BRIDGE FILE
1.0" = 1.0"	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	08 of 58
CONTRACT	PROJECT
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Construction Sequence

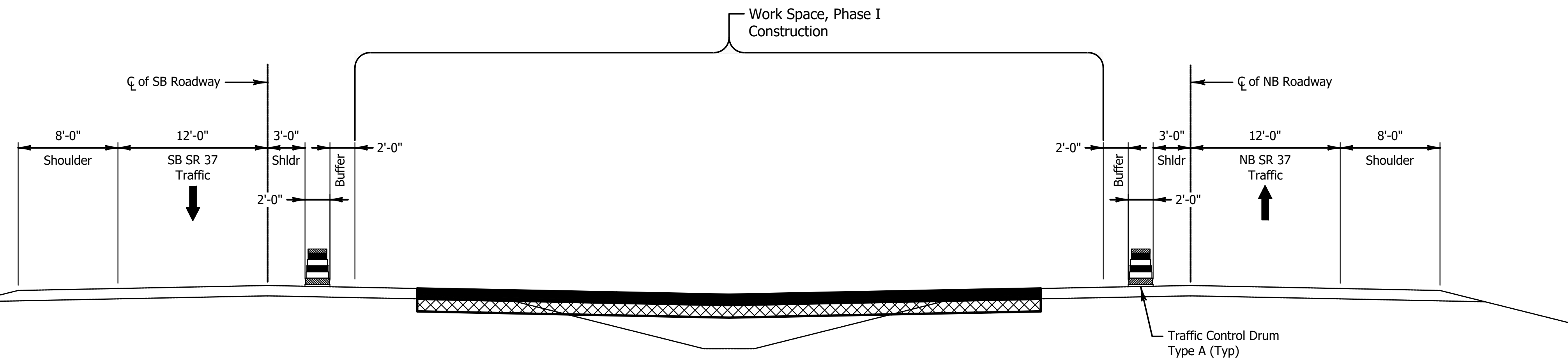
PHASE I
Install construction signs, place barrels to shift traffic into outside travel lane and close off inside shoulder/lane. Add temporary striping. Remove existing inside shoulder and construct full depth HMA median crossover. Regrade side slopes and place permanent seed in median.

PHASE II
Install / change construction signs, place barrels to shift traffic towards inside travel lane and close off outside shoulder/lane. Remove old temporary striping. Add new temporary striping. Remove existing outside shoulder and construct the full depth HMA loon. Regrade side slopes and place temporary seed.

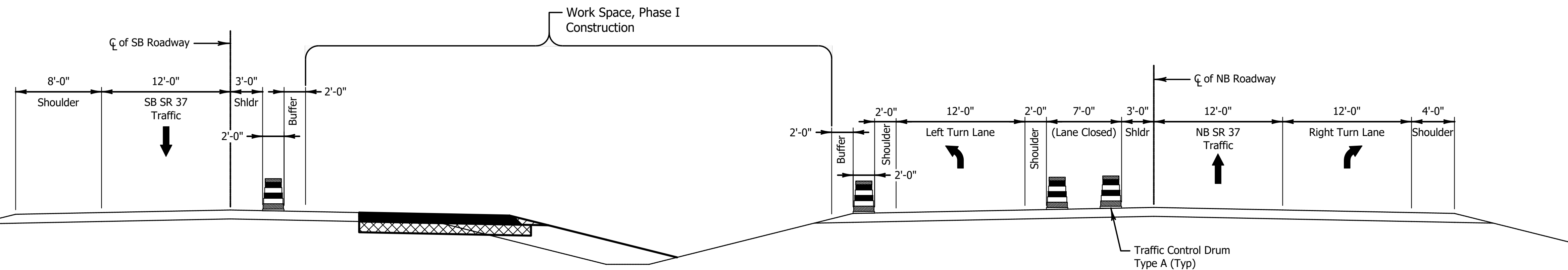
PHASE III
Install / change construction signs, place additional barrels to maintain traffic on the inside travel lane and close off outside shoulder/lane and 186th St intersection. Detour 186th St. traffic. Remove old conflicting striping. Add new temporary striping. Construct 186th St. public road approaches including channelizing islands with concrete center curb type B. Regrade side slopes and place temporary seed.

PHASE IV
Install / change construction signs, remove temporary striping, place new temporary striping, and place barrels to shift traffic into outside travel lane and close off inside shoulder/lane/median intersection. Remove existing HMA pavement and construct median channelizing island with concrete center curb type B and new full depth HMA pavement to complete median intersection. Divert left turns onto SR 37 to previously constructed median crossovers.

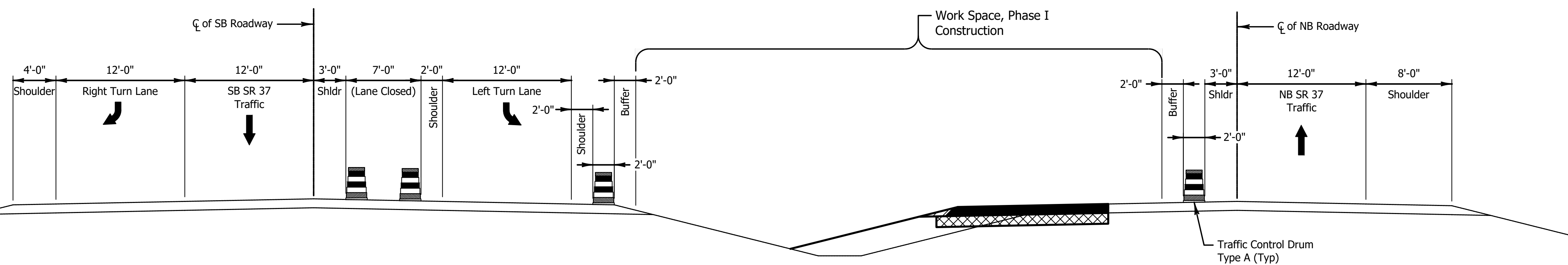
Construction Design Speed = 55 mph



TYPICAL CROSS SECTION PHASE I (SR 37)
South & North Median Cross-Overs



TYPICAL CROSS SECTION PHASE I (SR 37)
SB Left Turn Lane Widening

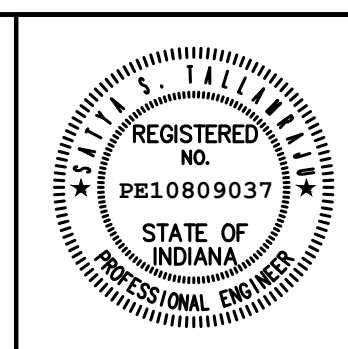


TYPICAL CROSS SECTION PHASE I (SR 37)
NB Left Turn Lane Widening

PHASE I
Install construction signs, place barrels to shift traffic into outside travel lane and close off inside shoulder/lane. Add temporary striping. Remove existing inside shoulder and construct full depth HMA median crossover. Regrade side slopes and place permanent seed in median.

Plot Date & Time: 6/26/2023 4:58:42 PM

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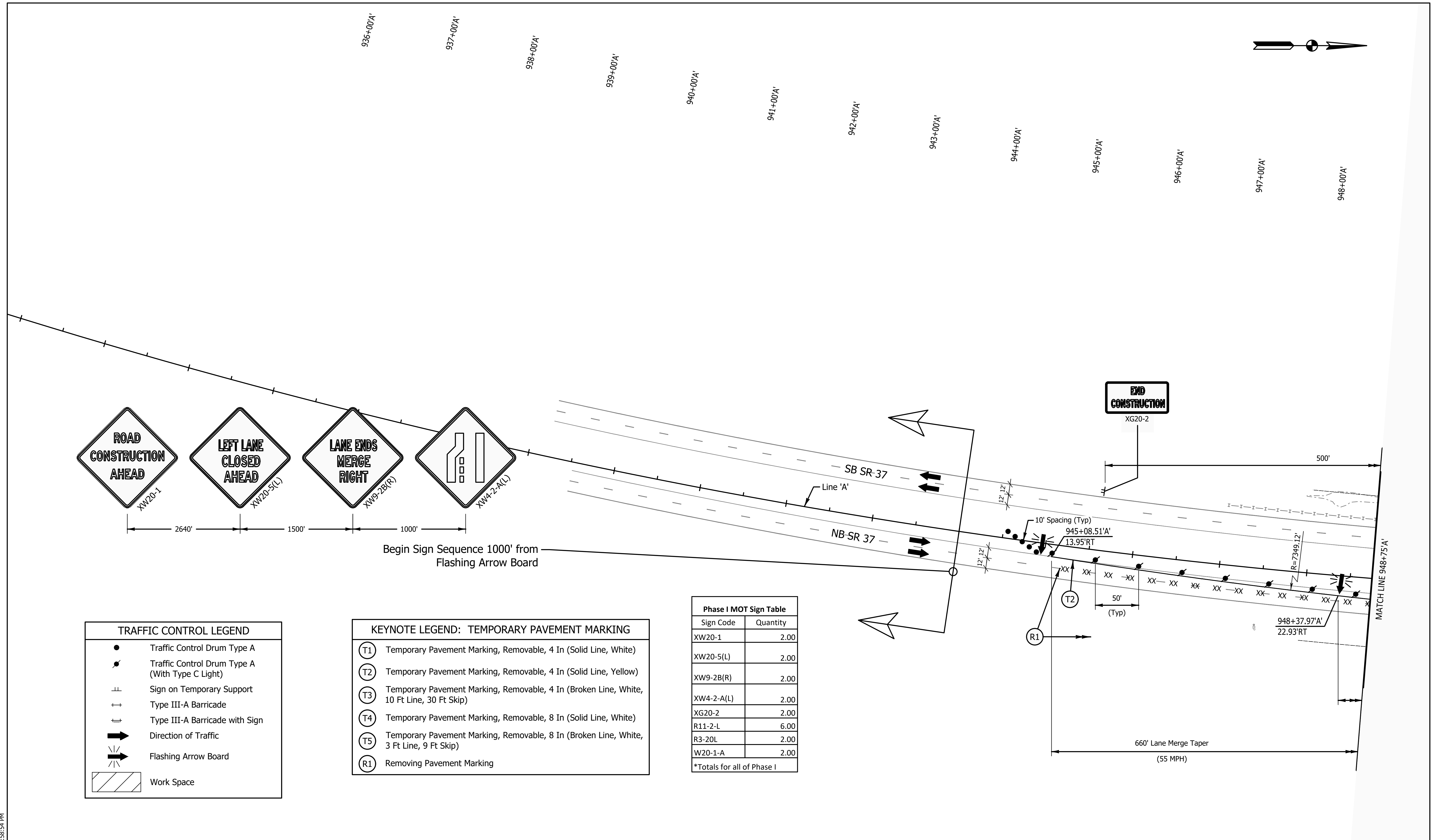


RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	DATE
			06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE TYPICAL CROSS SECTIONS
PHASE I CONSTRUCTION

SCALE	BRIDGE FILE
1.0" = 6.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	09 of 58
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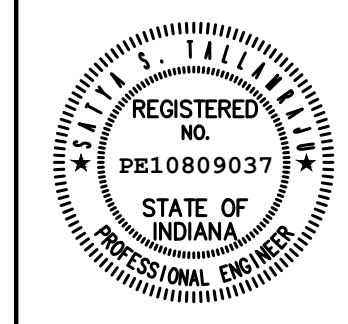
TRAFFIC CONTROL LEGEND	
	Traffic Control Drum Type A
	Traffic Control Drum Type A (With Type C Light)
	Sign on Temporary Support
	Type III-A Barricade
	Type III-A Barricade with Sign
	Direction of Traffic
	Flashing Arrow Board
	Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING	
	T1 Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
	T2 Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
	T3 Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
	T4 Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
	T5 Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
	R1 Removing Pavement Marking

Phase I MOT Sign Table	
Sign Code	Quantity
XW20-1	2.00
XW20-5(L)	2.00
XW9-2B(R)	2.00
XW4-2-A(L)	2.00
XG20-2	2.00
R11-2-L	6.00
R3-20L	2.00
W20-1-A	2.00
*Totals for all of Phase I	

Plot Date & Time: 6/26/2023 4:58:54 PM

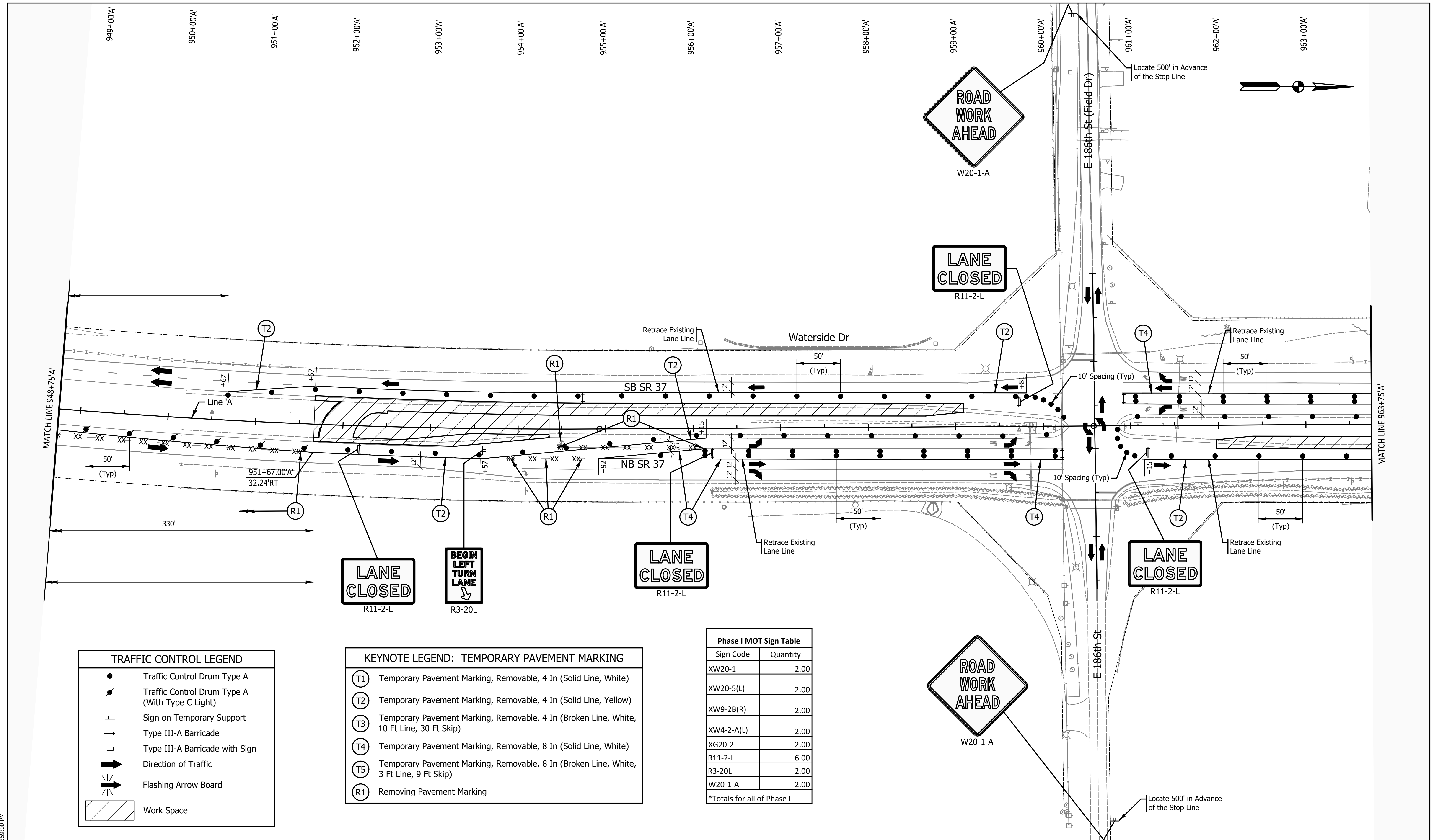
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RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION
 TRAFFIC MAINTENANCE - PHASE I
 SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	10 of 58
CONTRACT	PROJECT
R-41500	1702937



TRAFFIC CONTROL LEGEND

- Traffic Control Drum Type A
- Traffic Control Drum Type A (With Type C Light)
- ⊥ Sign on Temporary Support
- ⊥ Type III-A Barricade
- ⊥ Type III-A Barricade with Sign
- ➔ Direction of Traffic
- ⚡ Flashing Arrow Board
- ▨ Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING

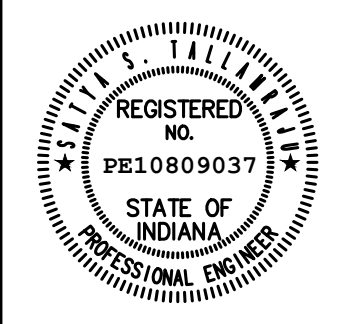
- (T1) Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
- (T2) Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
- (T3) Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
- (T4) Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
- (T5) Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
- (R1) Removing Pavement Marking

Phase I MOT Sign Table

Sign Code	Quantity
XW20-1	2.00
XW20-5(L)	2.00
XW9-2B(R)	2.00
XW4-2-A(L)	2.00
XG20-2	2.00
R11-2-L	6.00
R3-20L	2.00
W20-1-A	2.00
*Totals for all of Phase I	

Plot Date & Time: 6/26/2023 4:59:00 PM

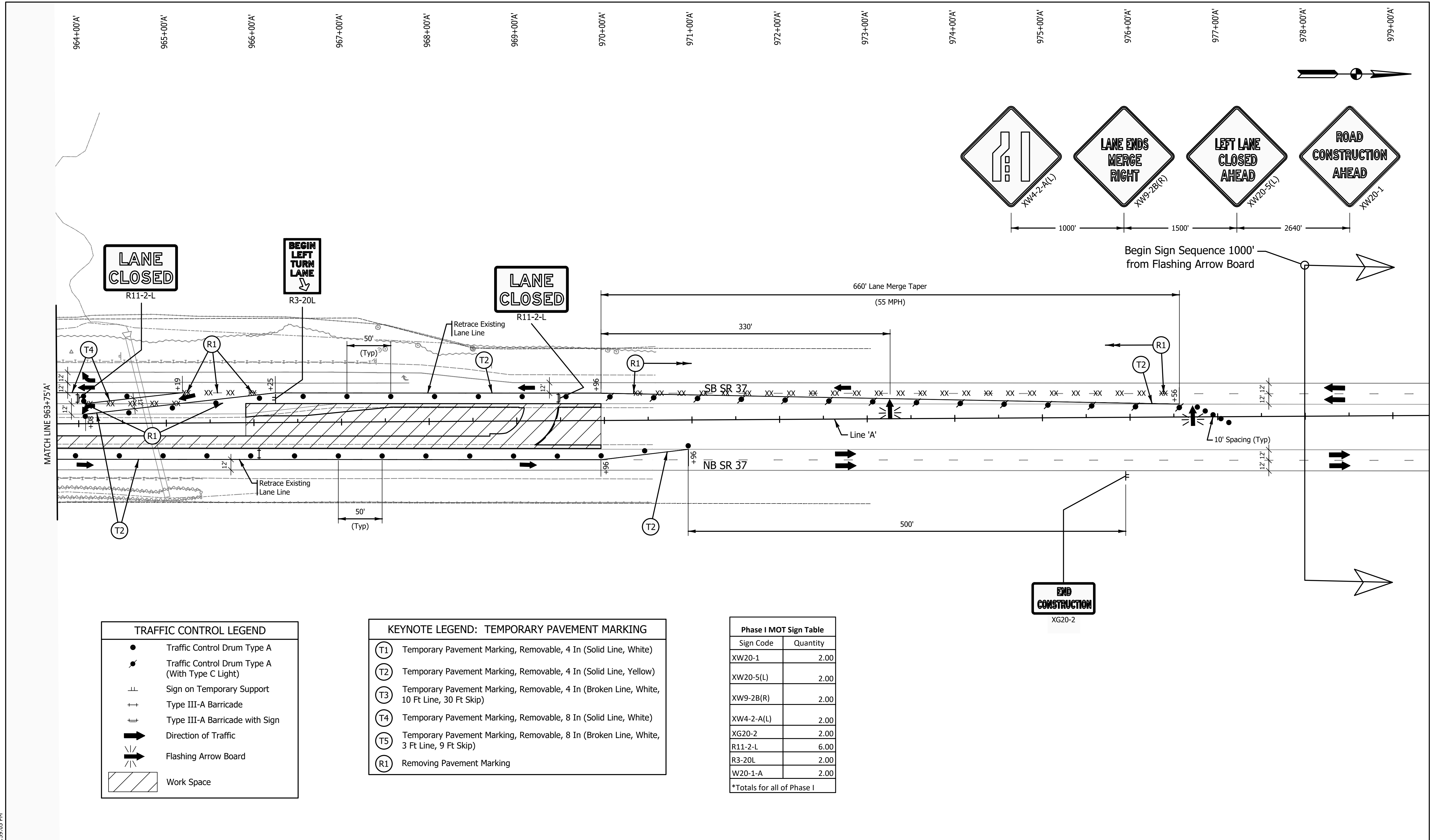
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RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION
TRAFFIC MAINTENANCE - PHASE I
 SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	11 of 58
CONTRACT	PROJECT
R-41500	1702937



TRAFFIC CONTROL LEGEND	
●	Traffic Control Drum Type A
●	Traffic Control Drum Type A (With Type C Light)
⊥	Sign on Temporary Support
⊥	Type III-A Barricade
⊥	Type III-A Barricade with Sign
➔	Direction of Traffic
⚡	Flashing Arrow Board
▨	Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING	
(T1)	Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
(T2)	Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
(T3)	Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
(T4)	Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
(T5)	Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
(R1)	Removing Pavement Marking

Phase I MOT Sign Table	
Sign Code	Quantity
XW20-1	2.00
XW20-5(L)	2.00
XW9-2B(R)	2.00
XW4-2-A(L)	2.00
XG20-2	2.00
R11-2-L	6.00
R3-20L	2.00
W20-1-A	2.00
*Totals for all of Phase I	

Plot Date & Time: 6/26/2023 4:59:05 PM

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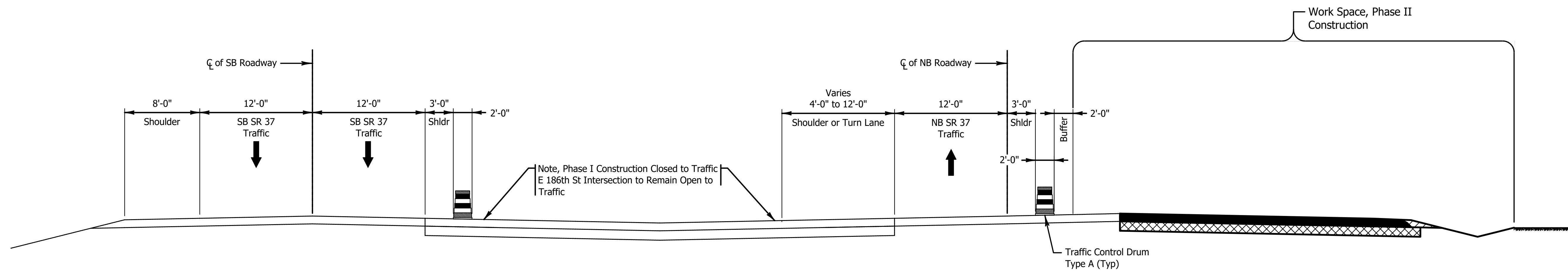


RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

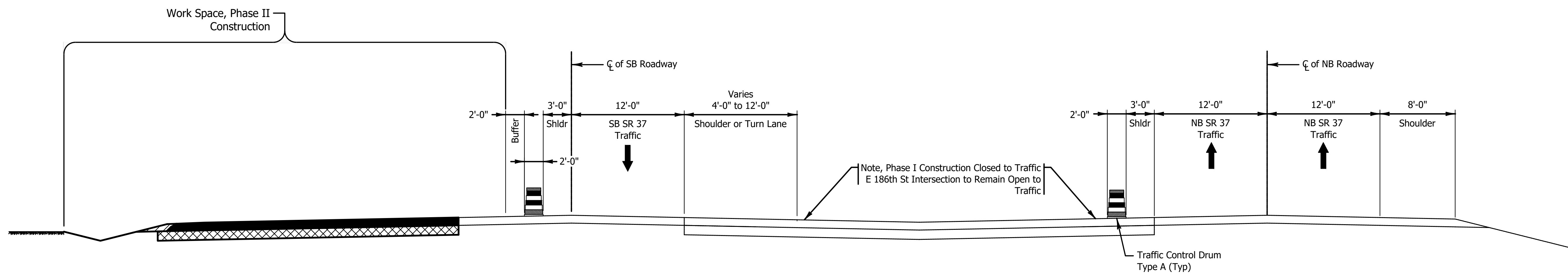
INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE - PHASE I
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	12 of 58
CONTRACT	PROJECT
R-41500	1702937



TYPICAL CROSS SECTION PHASE II (SR 37)
South Turn-Around Widening

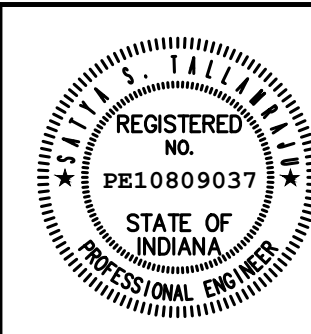


TYPICAL CROSS SECTION PHASE II (SR 37)
North Turn-Around Widening

PHASE II
Install / change construction signs, place barrels to shift traffic towards inside travel lane and close off outside shoulder/lane. Remove old temporary striping. Add new temporary striping. Remove existing outside shoulder and construct the full depth HMA loon. Regrade side slopes and place temporary seed.

Plot Date & Time: 6/26/2023 4:59:12 PM

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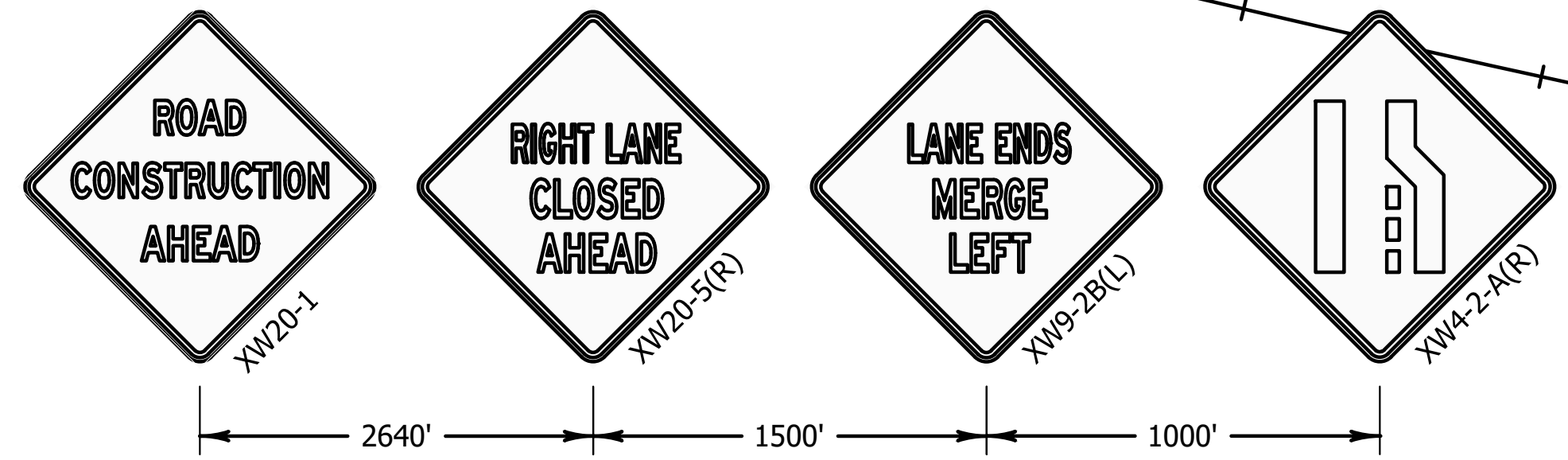
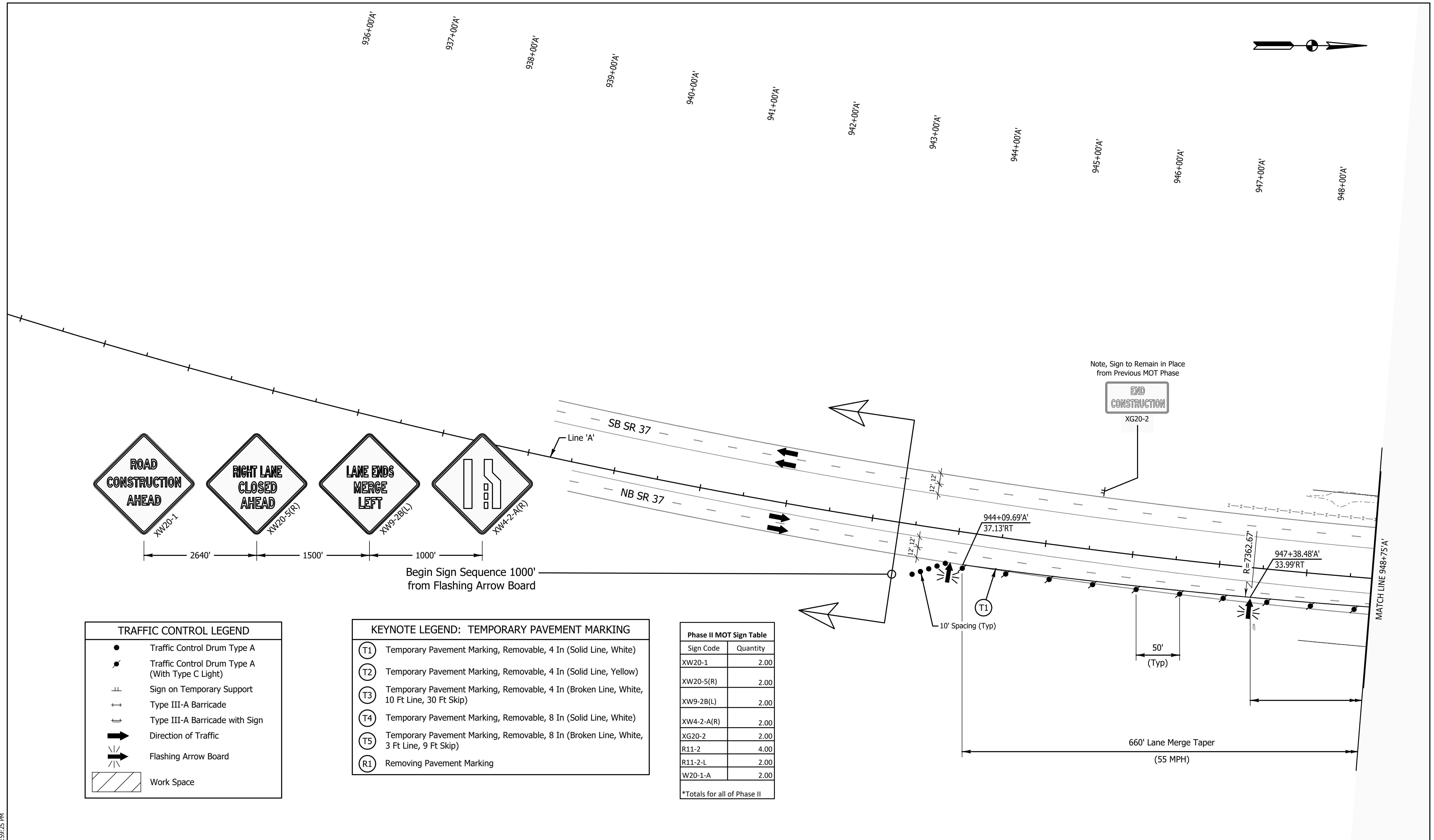


RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE TYPICAL CROSS SECTIONS
PHASE II CONSTRUCTION

SCALE	BRIDGE FILE
1.0" = 6.0"	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	13 of 58
CONTRACT	PROJECT
R-41500	1702937



TRAFFIC CONTROL LEGEND

- Traffic Control Drum Type A
- Traffic Control Drum Type A (With Type C Light)
- ± Sign on Temporary Support
- ±± Type III-A Barricade
- ±±± Type III-A Barricade with Sign
- ➔ Direction of Traffic
- ⚡ Flashing Arrow Board
- ▨ Work Space

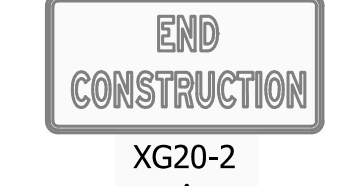
KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING

- (T1) Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
- (T2) Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
- (T3) Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
- (T4) Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
- (T5) Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
- (R1) Removing Pavement Marking

Phase II MOT Sign Table

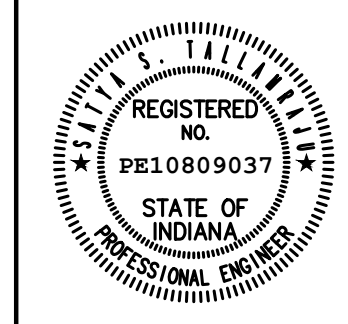
Sign Code	Quantity
XW20-1	2.00
XW20-5(R)	2.00
XW9-2B(L)	2.00
XW4-2-A(R)	2.00
XG20-2	2.00
R11-2	4.00
R11-2-L	2.00
W20-1-A	2.00
*Totals for all of Phase II	

Note, Sign to Remain in Place from Previous MOT Phase



Plot Date & Time: 6/26/2023 4:59:25 PM

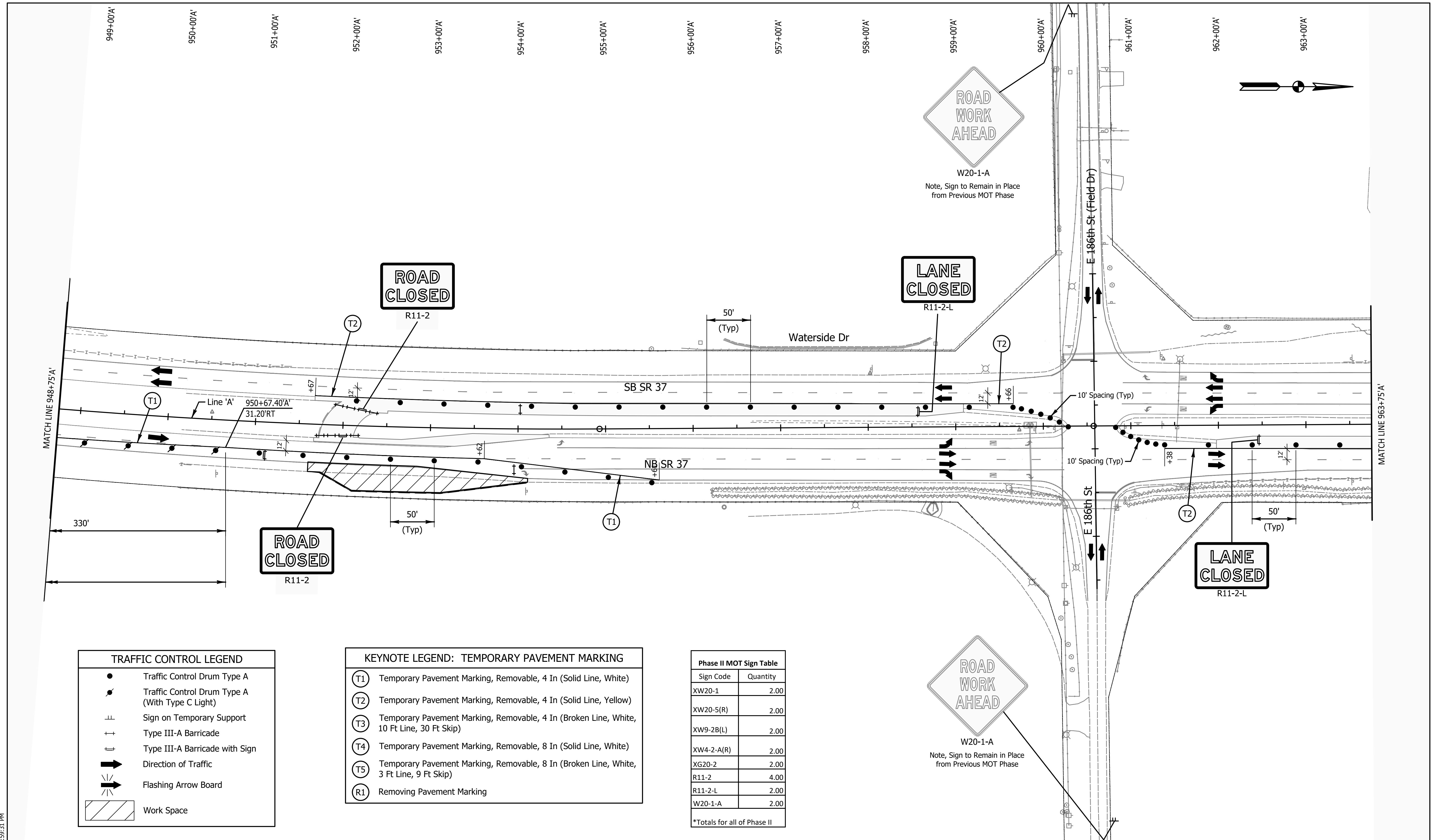
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RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION
TRAFFIC MAINTENANCE - PHASE II
 SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	14 of 58
CONTRACT	PROJECT
R-41500	1702937



TRAFFIC CONTROL LEGEND

- Traffic Control Drum Type A
- Traffic Control Drum Type A (With Type C Light)
- ⊥ Sign on Temporary Support
- ⊥ Type III-A Barricade
- ⊥ Type III-A Barricade with Sign
- ➔ Direction of Traffic
- ⚡ Flashing Arrow Board
- ▨ Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING

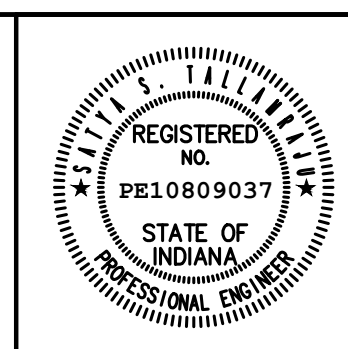
- (T1) Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
- (T2) Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
- (T3) Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
- (T4) Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
- (T5) Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
- (R1) Removing Pavement Marking

Phase II MOT Sign Table

Sign Code	Quantity
XW20-1	2.00
XW20-5(R)	2.00
XW9-2B(L)	2.00
XW4-2-A(R)	2.00
XG20-2	2.00
R11-2	4.00
R11-2-L	2.00
W20-1-A	2.00
*Totals for all of Phase II	

Plot Date & Time: 6/26/2023 4:59:31 PM

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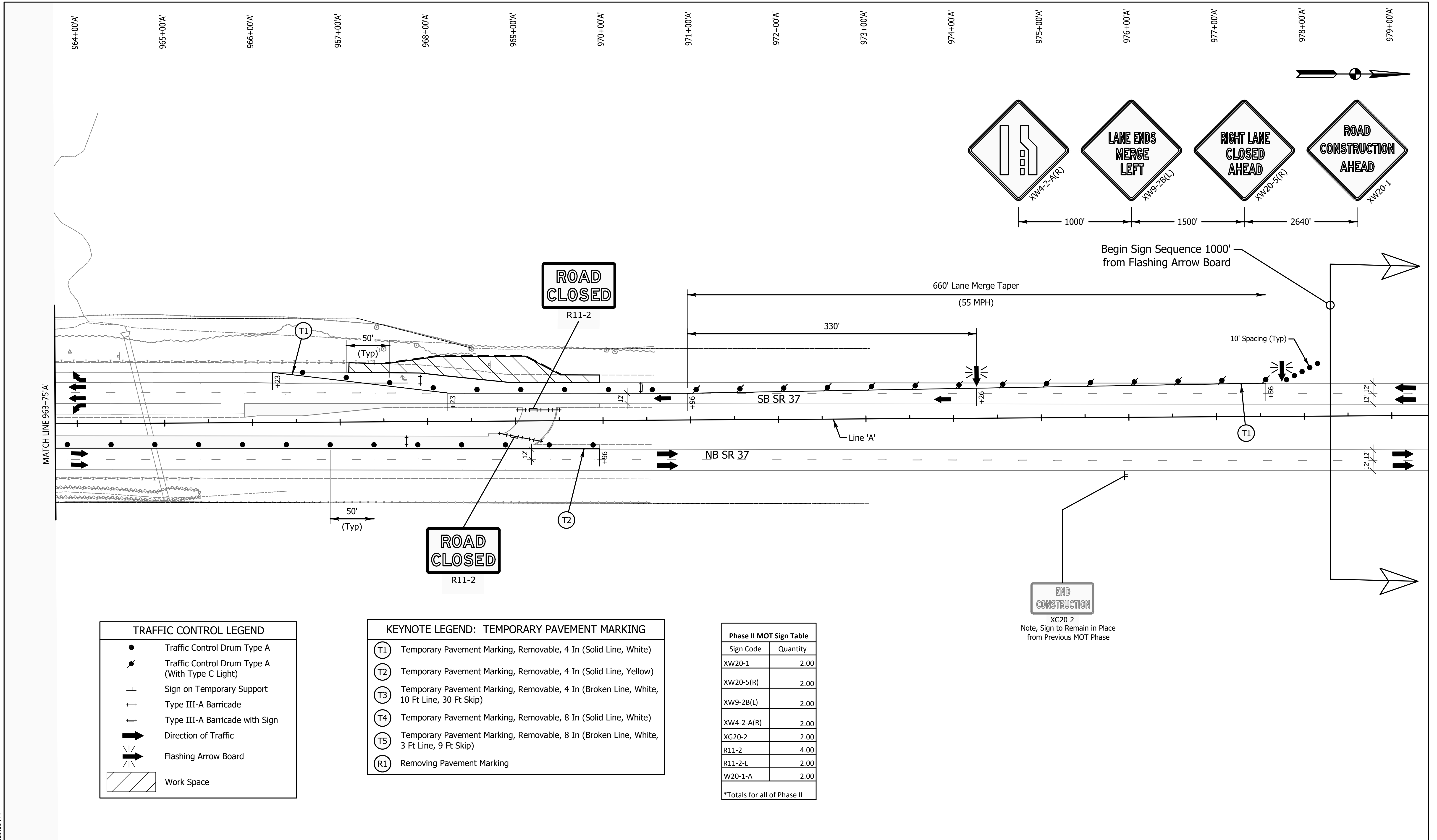
RECOMMENDED FOR APPROVAL: *T. J. ...* 06/26/23
 DESIGN ENGINEER DATE

DESIGNED: EEA 06/26/23 DRAWN: EEA 06/26/23
 CHECKED: SST 06/26/23 CHECKED: SST 06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE - PHASE II
 SR 37, LINE 'A'

SCALE 1.0" = 50.0'	BRIDGE FILE N.A.
	DESIGNATION 1700717
SURVEY BOOK N.A.	SHEETS 15 of 58
CONTRACT R-41500	PROJECT 1702937



TRAFFIC CONTROL LEGEND

- Traffic Control Drum Type A
- Traffic Control Drum Type A (With Type C Light)
- ⊥ Sign on Temporary Support
- ⊥ Type III-A Barricade
- ⊥ Type III-A Barricade with Sign
- ➡ Direction of Traffic
- ⚡ Flashing Arrow Board
- ▨ Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING

- (T1) Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
- (T2) Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
- (T3) Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
- (T4) Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
- (T5) Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
- (R1) Removing Pavement Marking

Phase II MOT Sign Table

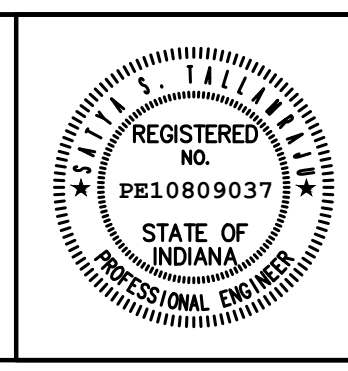
Sign Code	Quantity
XW20-1	2.00
XW20-5(R)	2.00
XW9-2B(L)	2.00
XW4-2-A(R)	2.00
XG20-2	2.00
R11-2	4.00
R11-2-L	2.00
W20-1-A	2.00

*Totals for all of Phase II

END CONSTRUCTION
XG20-2
Note, Sign to Remain in Place from Previous MOT Phase

Plot Date & Time: 6/26/2023 4:59:36 PM

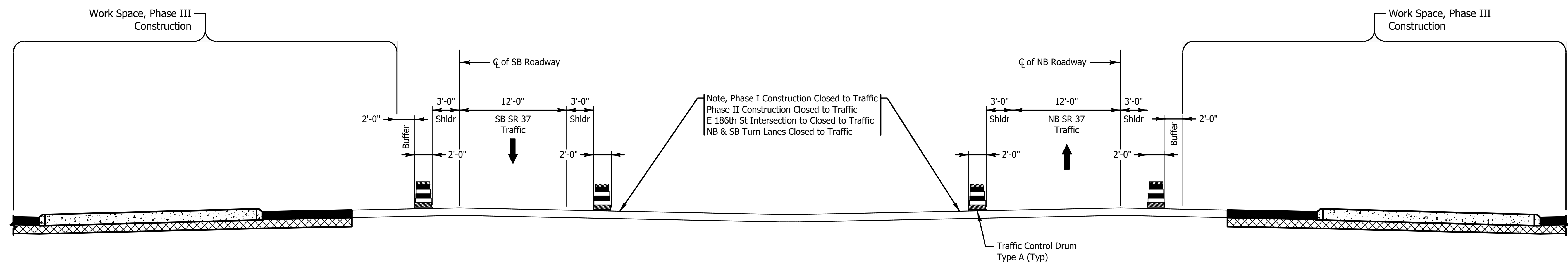
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RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION
TRAFFIC MAINTENANCE - PHASE II
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	16 of 58
CONTRACT	PROJECT
R-41500	1702937

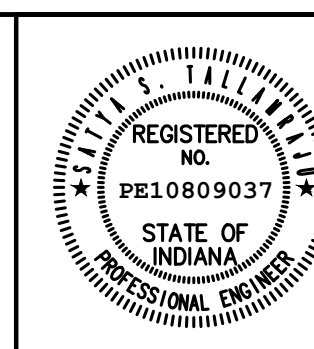


TYPICAL CROSS SECTION PHASE III (SR 37)
E 186th St Public Road Approach
Re-Construction

PHASE III
Install / change construction signs, place additional barrels to maintain traffic on the inside travel lane and close off outside shoulder/lane and 186th St intersection. Detour 186th St. traffic. Remove old conflicting striping. Add new temporary striping. Construct 186th St. public road approaches including channelizing islands with concrete center curb type B. Regrade side slopes and place temporary seed.

Plot Date & Time: 6/26/2023 4:59:44 PM

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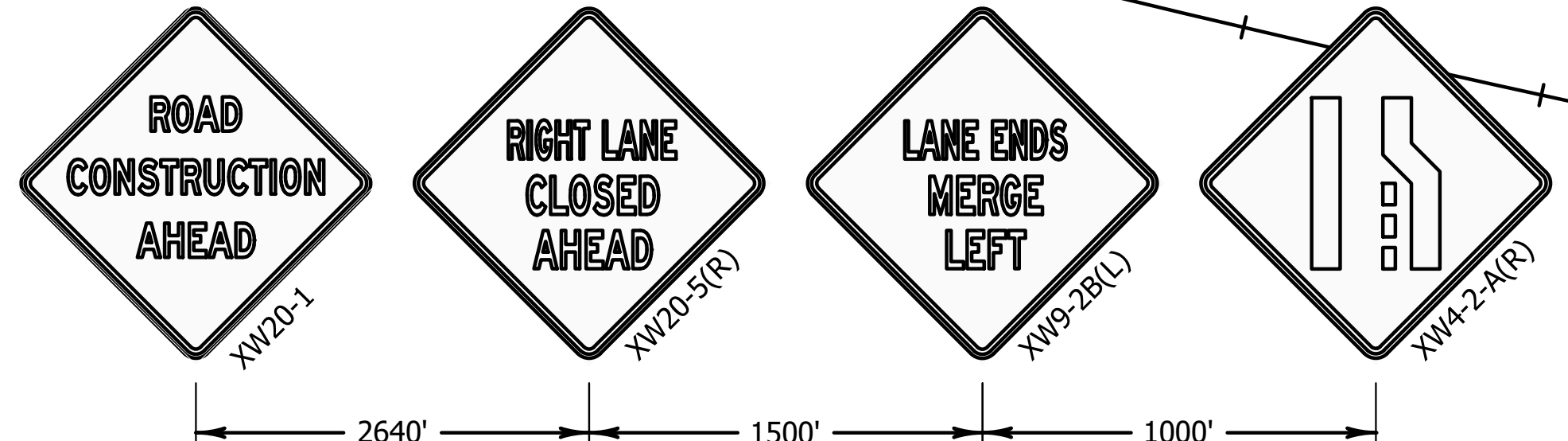
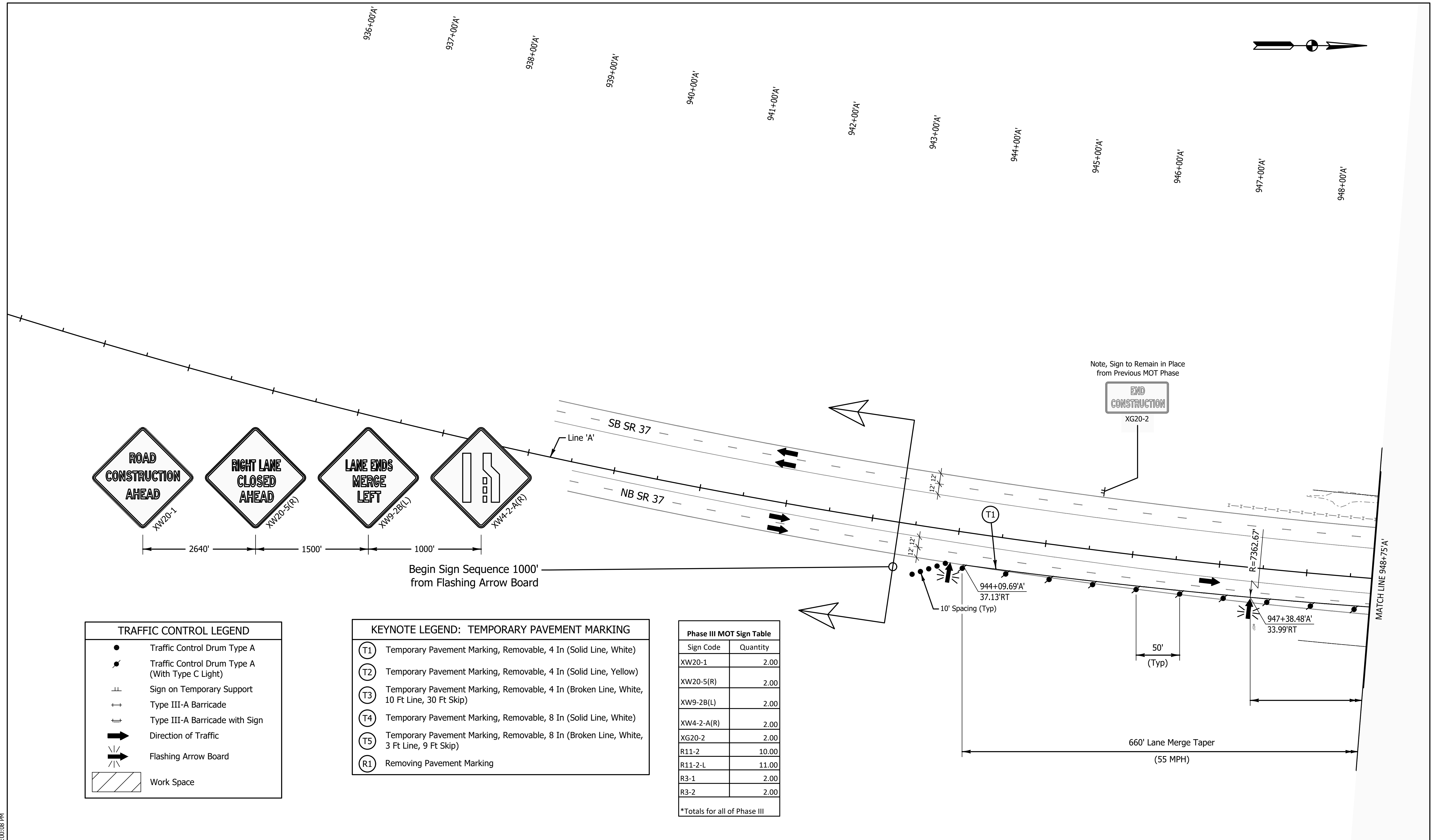


RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE TYPICAL CROSS SECTIONS
PHASE III CONSTRUCTION

SCALE	BRIDGE FILE
1.0" = 6.0"	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	17 of 58
CONTRACT	PROJECT
R-41500	1702937



TRAFFIC CONTROL LEGEND

- Traffic Control Drum Type A
- ⦿ Traffic Control Drum Type A (With Type C Light)
- ⊥ Sign on Temporary Support
- ⊥ Type III-A Barricade
- ⊥ Type III-A Barricade with Sign
- ➡ Direction of Traffic
- ⚡ Flashing Arrow Board
- ▨ Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING

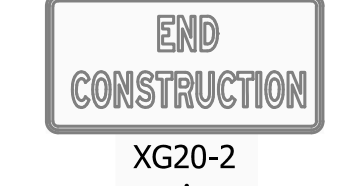
- (T1) Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
- (T2) Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
- (T3) Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
- (T4) Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
- (T5) Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
- (R1) Removing Pavement Marking

Phase III MOT Sign Table

Sign Code	Quantity
XW20-1	2.00
XW20-5(R)	2.00
XW9-2B(L)	2.00
XW4-2-A(R)	2.00
XG20-2	2.00
R11-2	10.00
R11-2-L	11.00
R3-1	2.00
R3-2	2.00

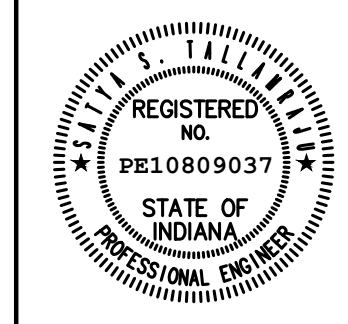
*Totals for all of Phase III

Note, Sign to Remain in Place from Previous MOT Phase



Plot Date & Time: 6/26/2023 5:00:08 PM

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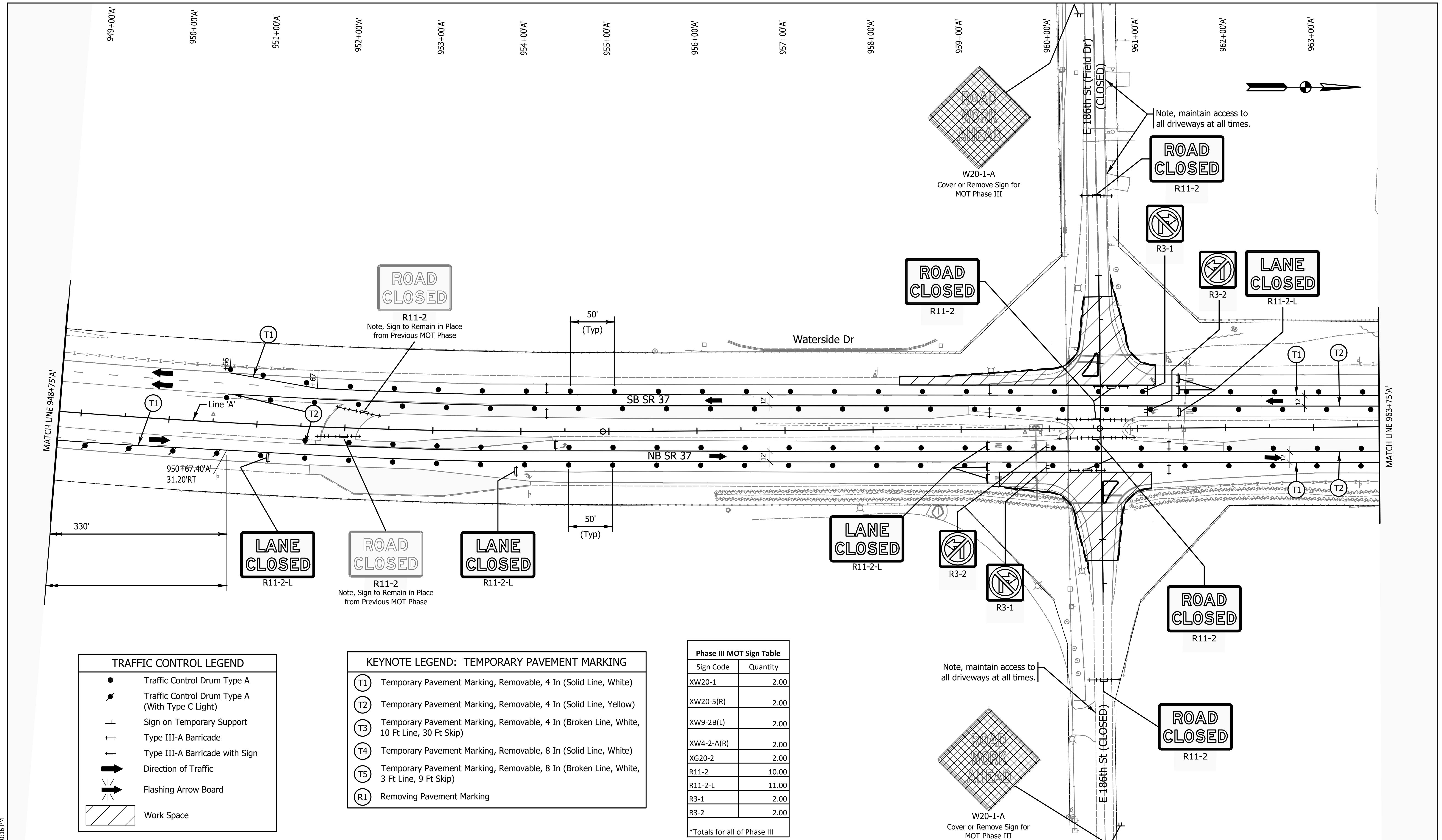


RECOMMENDED FOR APPROVAL	<i>T. J. Sullivan</i>	DESIGN ENGINEER	06/26/23
DESIGNED:	EEA	06/26/23	DRAWN: EEA 06/26/23
CHECKED:	SST	06/26/23	CHECKED: SST 06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE - PHASE III
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	18 of 58
CONTRACT	PROJECT
R-41500	1702937



TRAFFIC CONTROL LEGEND

- Traffic Control Drum Type A
- Traffic Control Drum Type A (With Type C Light)
- ⊥ Sign on Temporary Support
- ⊥ Type III-A Barricade
- ⊥ Type III-A Barricade with Sign
- ➔ Direction of Traffic
- ⚡ Flashing Arrow Board
- ▨ Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING

- (T1) Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
- (T2) Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
- (T3) Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
- (T4) Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
- (T5) Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
- (R1) Removing Pavement Marking

Phase III MOT Sign Table

Sign Code	Quantity
XW20-1	2.00
XW20-5(R)	2.00
XW9-2B(L)	2.00
XW4-2-A(R)	2.00
XG20-2	2.00
R11-2	10.00
R11-2-L	11.00
R3-1	2.00
R3-2	2.00

*Totals for all of Phase III

Plot Date & Time: 6/26/2023 5:00:16 PM

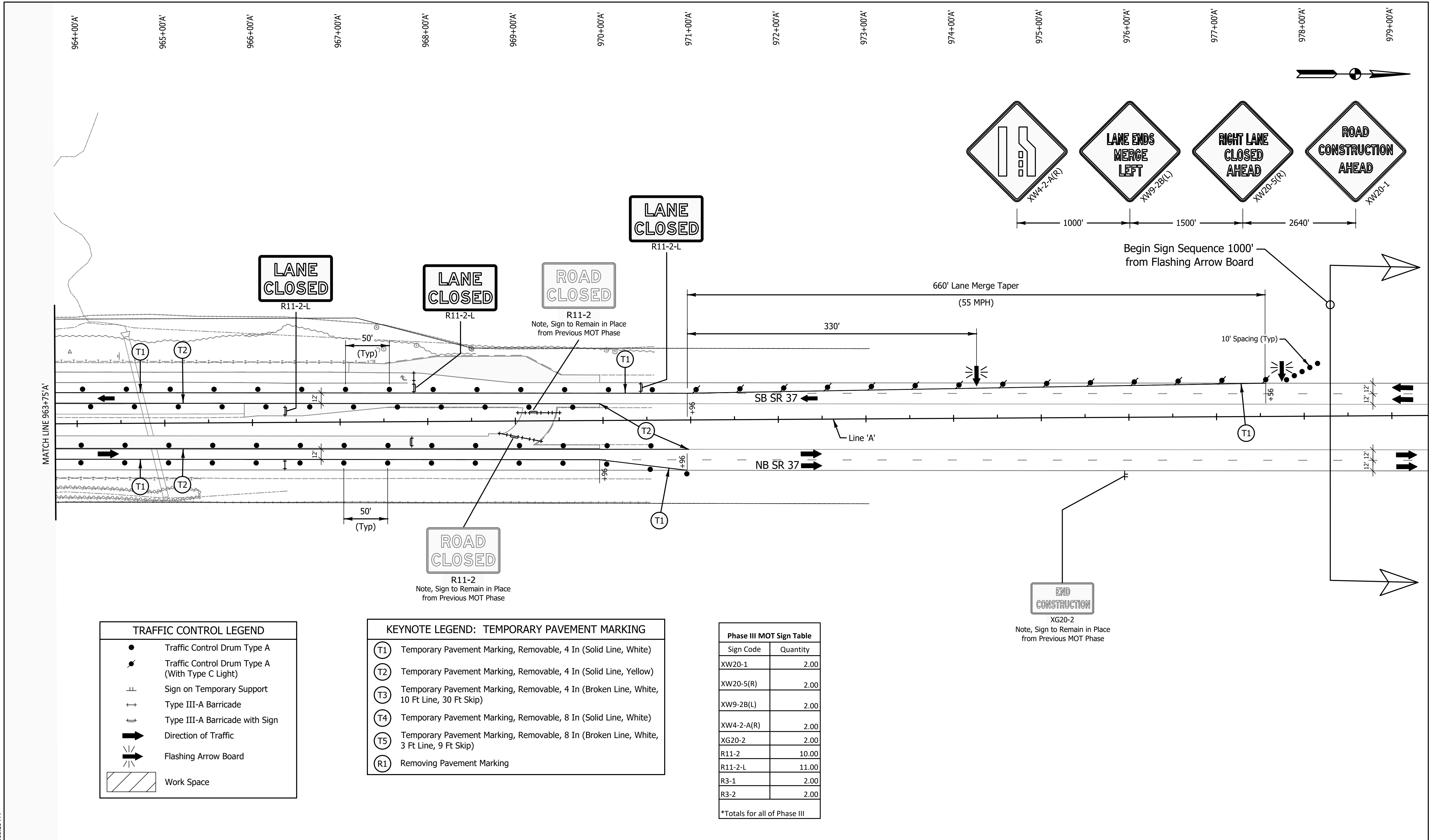
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RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION
TRAFFIC MAINTENANCE - PHASE III
 SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	19 of 58
CONTRACT	PROJECT
R-41500	1702937



TRAFFIC CONTROL LEGEND

- Traffic Control Drum Type A
- Traffic Control Drum Type A (With Type C Light)
- ⊥ Sign on Temporary Support
- ⊥ Type III-A Barricade
- ⊥ Type III-A Barricade with Sign
- ➔ Direction of Traffic
- ⚡ Flashing Arrow Board
- ▨ Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING

- (T1) Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
- (T2) Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
- (T3) Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
- (T4) Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
- (T5) Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
- (R1) Removing Pavement Marking

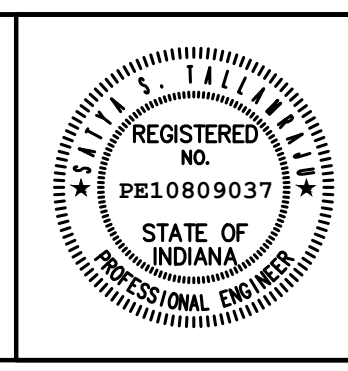
Phase III MOT Sign Table

Sign Code	Quantity
XW20-1	2.00
XW20-5(R)	2.00
XW9-2B(L)	2.00
XW4-2-A(R)	2.00
XG20-2	2.00
R11-2	10.00
R11-2-L	11.00
R3-1	2.00
R3-2	2.00

*Totals for all of Phase III

Plot Date & Time: 6/26/2023 5:00:21 PM

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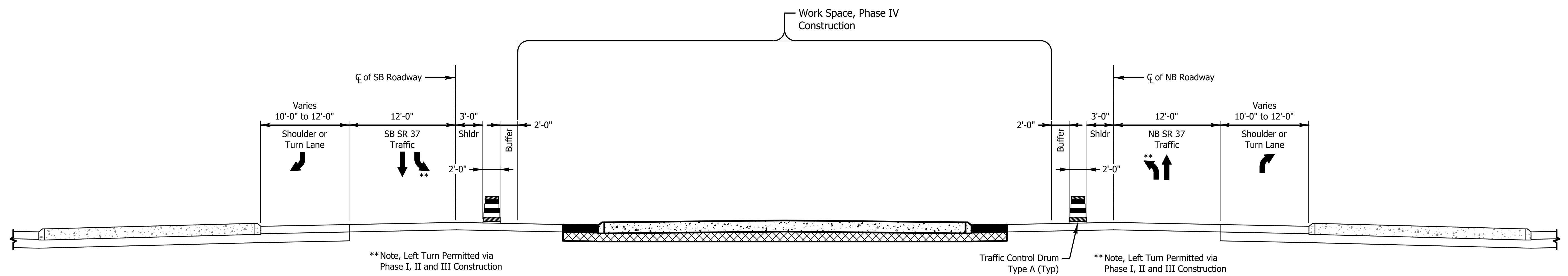


RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE - PHASE III
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	20 of 58
CONTRACT	PROJECT
R-41500	1702937

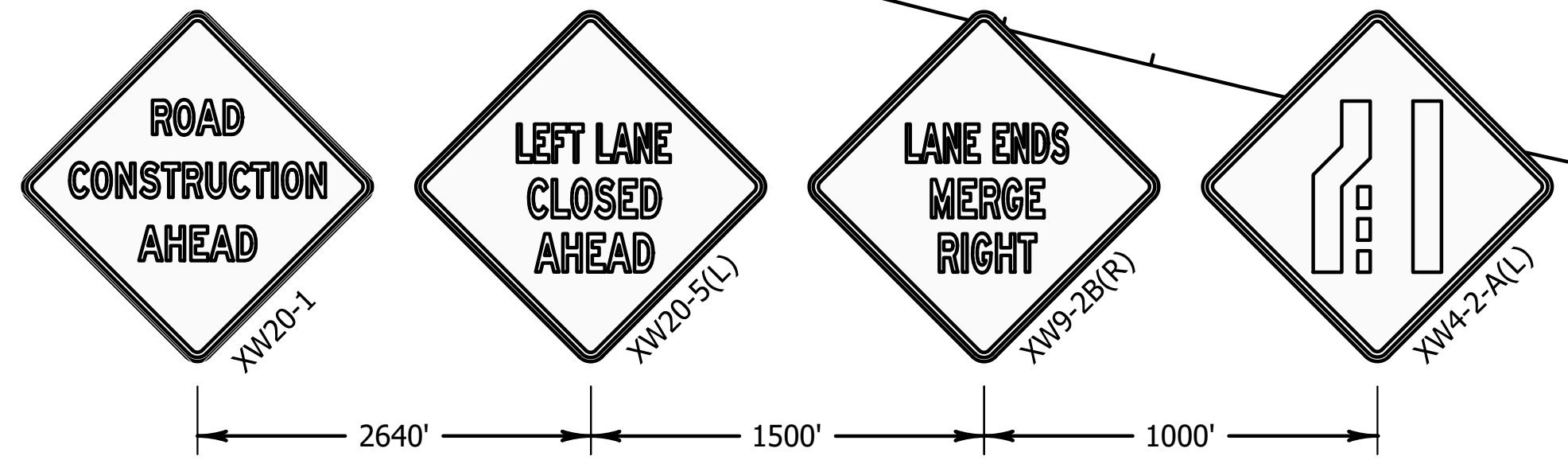
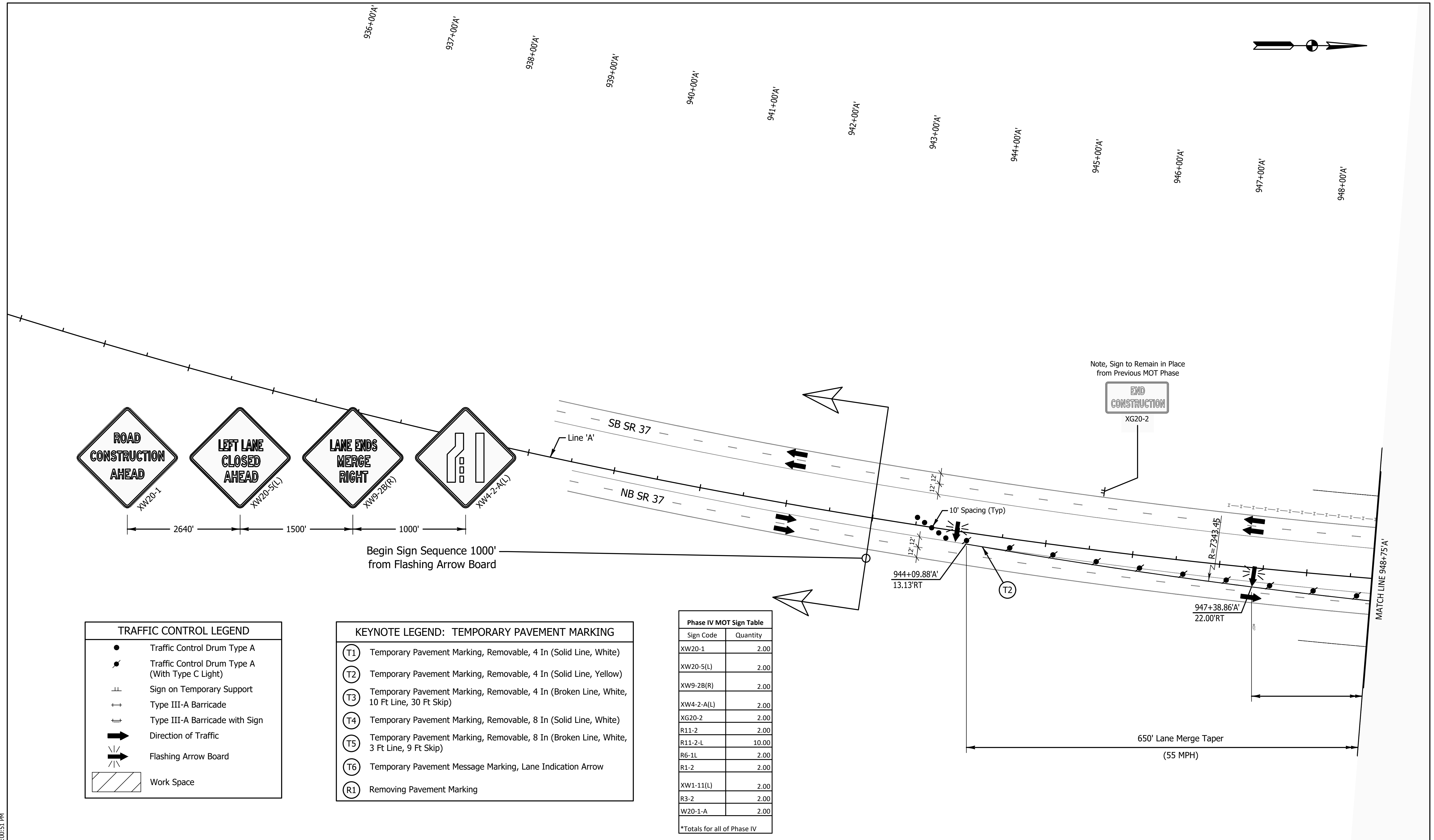


TYPICAL CROSS SECTION PHASE IV (SR 37)
E 186th St Intersection Median Island
Construction

PHASE IV
Install / change construction signs, remove temporary striping, place new temporary striping, and place barrels to shift traffic into outside travel lane and close off inside shoulder/lane/median intersection. Remove existing HMA pavement and construct median channelizing island with concrete center curb type B and new full depth HMA pavement to complete median intersection. Divert left turns onto SR 37 to previously constructed median crossovers.

Plot Date & Time: 6/26/2023 5:00:29 PM

	RECOMMENDED FOR APPROVAL <i>T. J. ...</i> 06/26/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION TRAFFIC MAINTENANCE TYPICAL CROSS SECTIONS PHASE IV CONSTRUCTION	SCALE 1.0" = 6.0'	BRIDGE FILE N.A.
	DESIGNED: EEA 06/26/23 DRAWN: EEA 06/26/23		DESIGNATION 1700717	
	CHECKED: SST 06/26/23 CHECKED: SST 06/26/23		SURVEY BOOK N.A.	SHEETS 21 of 58
			CONTRACT R-41500	PROJECT 1702937



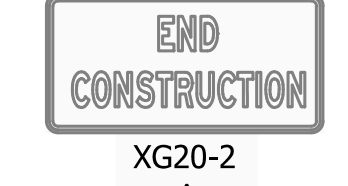
Begin Sign Sequence 1000' from Flashing Arrow Board

TRAFFIC CONTROL LEGEND	
	Traffic Control Drum Type A
	Traffic Control Drum Type A (With Type C Light)
	Sign on Temporary Support
	Type III-A Barricade
	Type III-A Barricade with Sign
	Direction of Traffic
	Flashing Arrow Board
	Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING	
	T1 Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
	T2 Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
	T3 Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
	T4 Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
	T5 Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
	T6 Temporary Pavement Message Marking, Lane Indication Arrow
	R1 Removing Pavement Marking

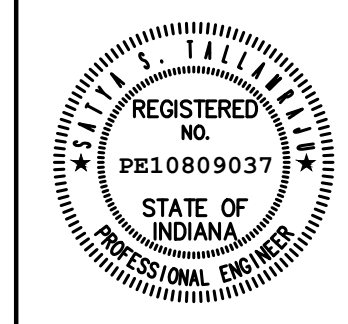
Phase IV MOT Sign Table	
Sign Code	Quantity
XW20-1	2.00
XW20-5(L)	2.00
XW9-28(R)	2.00
XW4-2-A(L)	2.00
XG20-2	2.00
R11-2	2.00
R11-2-L	10.00
R6-1L	2.00
R1-2	2.00
XW1-11(L)	2.00
R3-2	2.00
W20-1-A	2.00
*Totals for all of Phase IV	

Note, Sign to Remain in Place from Previous MOT Phase



Plot Date & Time: 6/26/2023 5:00:51 PM

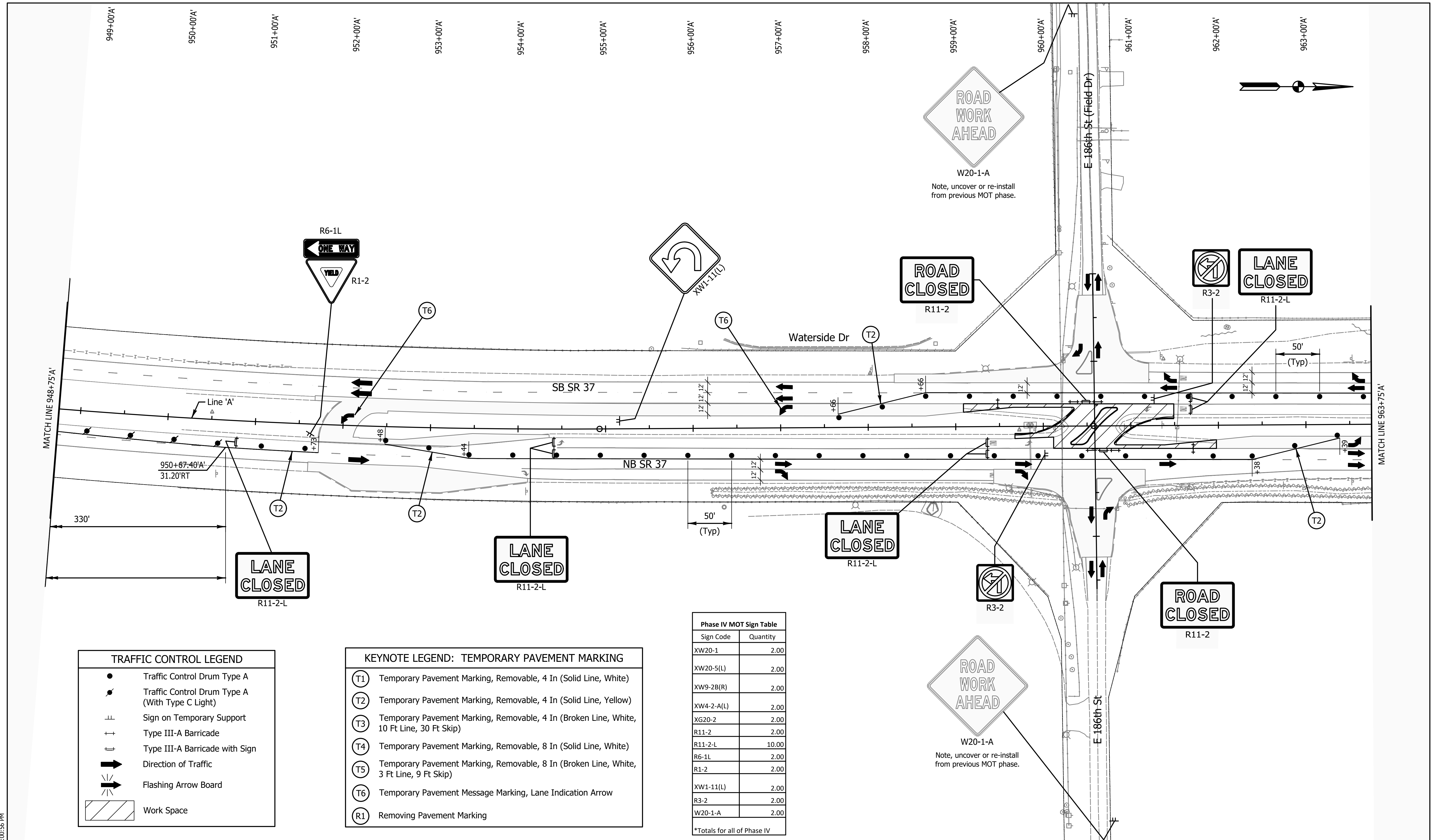
X:\FJ\1\INDGR\1472015-final-dsgn\51-drawings\40-TransHwy\Civil 3D\SheetsPlan\MOT Stage 04.dwg



RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED:	EEA	06/26/23	DRAWN: EEA 06/26/23
CHECKED:	SST	06/26/23	CHECKED: SST 06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION
 TRAFFIC MAINTENANCE - PHASE IV
 SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
SURVEY BOOK	DESIGNATION
N.A.	1700717
CONTRACT	SHEETS
R-41500	22 of 58
	PROJECT
	1702937



TRAFFIC CONTROL LEGEND

- Traffic Control Drum Type A
- Traffic Control Drum Type A (With Type C Light)
- ⊥ Sign on Temporary Support
- ⊥ Type III-A Barricade
- ⊥ Type III-A Barricade with Sign
- ➔ Direction of Traffic
- ⚡ Flashing Arrow Board
- ▨ Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING

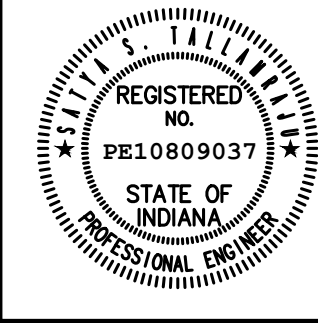
- (T1) Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
- (T2) Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
- (T3) Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
- (T4) Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
- (T5) Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
- (T6) Temporary Pavement Message Marking, Lane Indication Arrow
- (R1) Removing Pavement Marking

Phase IV MOT Sign Table

Sign Code	Quantity
XW20-1	2.00
XW20-5(L)	2.00
XW9-2B(R)	2.00
XW4-2-A(L)	2.00
XG20-2	2.00
R11-2	2.00
R11-2-L	10.00
R6-1L	2.00
R1-2	2.00
XW1-11(L)	2.00
R3-2	2.00
W20-1-A	2.00
**Totals for all of Phase IV	

Plot Date & Time: 6/26/2023 5:00:56 PM

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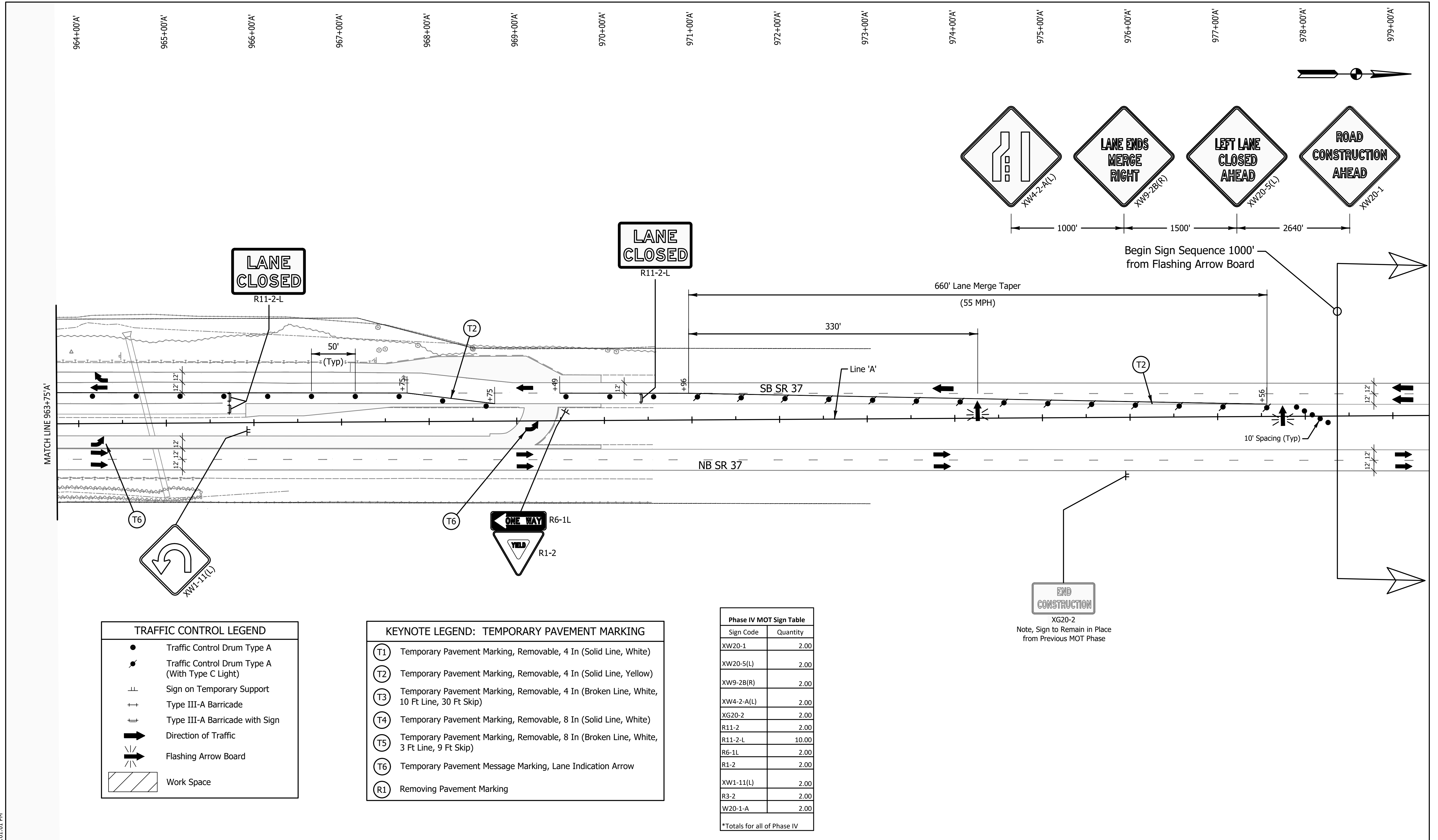


RECOMMENDED FOR APPROVAL: *T. J. ...* 06/26/23
 DESIGN ENGINEER DATE

DESIGNED: EEA 06/26/23 DRAWN: EEA 06/26/23
 CHECKED: SST 06/26/23 CHECKED: SST 06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION
 TRAFFIC MAINTENANCE - PHASE IV
 SR 37, LINE 'A'

SCALE 1.0" = 50.0'	BRIDGE FILE N.A.
	DESIGNATION 1700717
SURVEY BOOK N.A.	SHEETS 23 of 58
CONTRACT R-41500	PROJECT 1702937



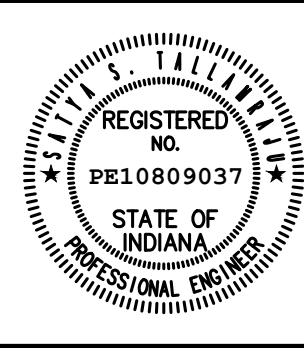
TRAFFIC CONTROL LEGEND	
●	Traffic Control Drum Type A
●	Traffic Control Drum Type A (With Type C Light)
⊥	Sign on Temporary Support
⊥	Type III-A Barricade
⊥	Type III-A Barricade with Sign
➔	Direction of Traffic
⚡	Flashing Arrow Board
▨	Work Space

KEYNOTE LEGEND: TEMPORARY PAVEMENT MARKING	
(T1)	Temporary Pavement Marking, Removable, 4 In (Solid Line, White)
(T2)	Temporary Pavement Marking, Removable, 4 In (Solid Line, Yellow)
(T3)	Temporary Pavement Marking, Removable, 4 In (Broken Line, White, 10 Ft Line, 30 Ft Skip)
(T4)	Temporary Pavement Marking, Removable, 8 In (Solid Line, White)
(T5)	Temporary Pavement Marking, Removable, 8 In (Broken Line, White, 3 Ft Line, 9 Ft Skip)
(T6)	Temporary Pavement Message Marking, Lane Indication Arrow
(R1)	Removing Pavement Marking

Phase IV MOT Sign Table	
Sign Code	Quantity
XW20-1	2.00
XW20-5(L)	2.00
XW9-2B(R)	2.00
XW4-2-A(L)	2.00
XG20-2	2.00
R11-2	2.00
R11-2-L	10.00
R6-1L	2.00
R1-2	2.00
XW1-11(L)	2.00
R3-2	2.00
W20-1-A	2.00
*Totals for all of Phase IV	

Plot Date & Time: 6/26/2023 5:01:01 PM

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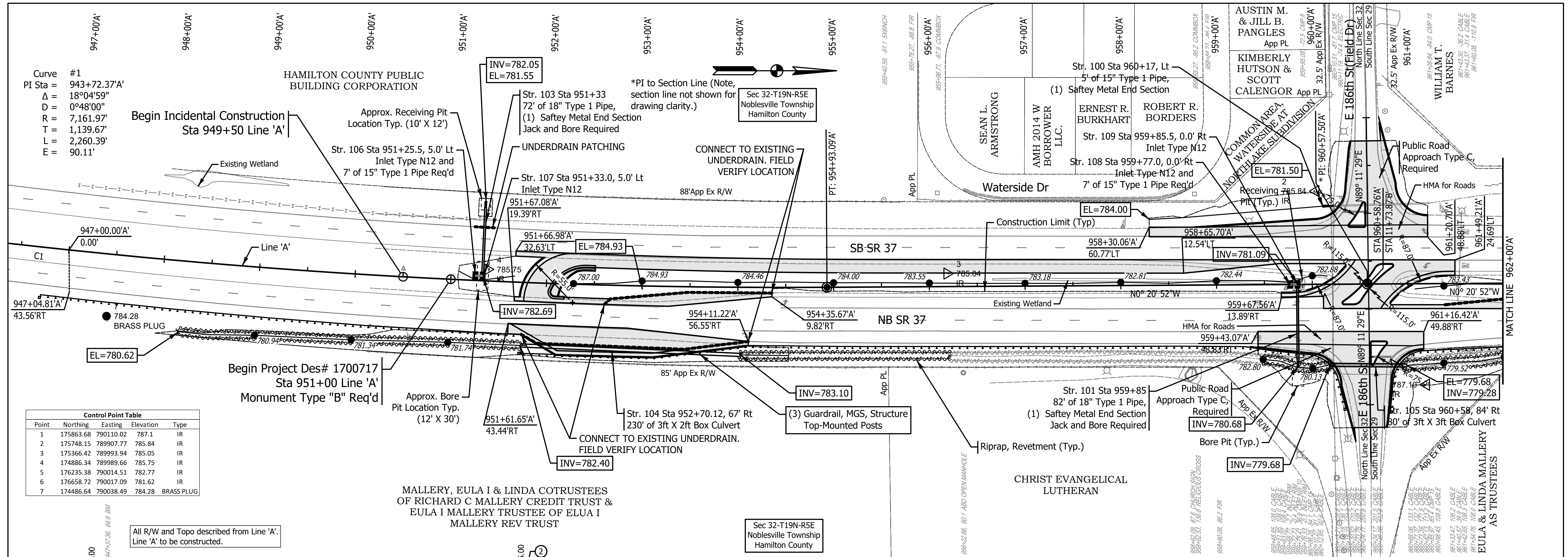


RECOMMENDED FOR APPROVAL	<i>T. Sullivan</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

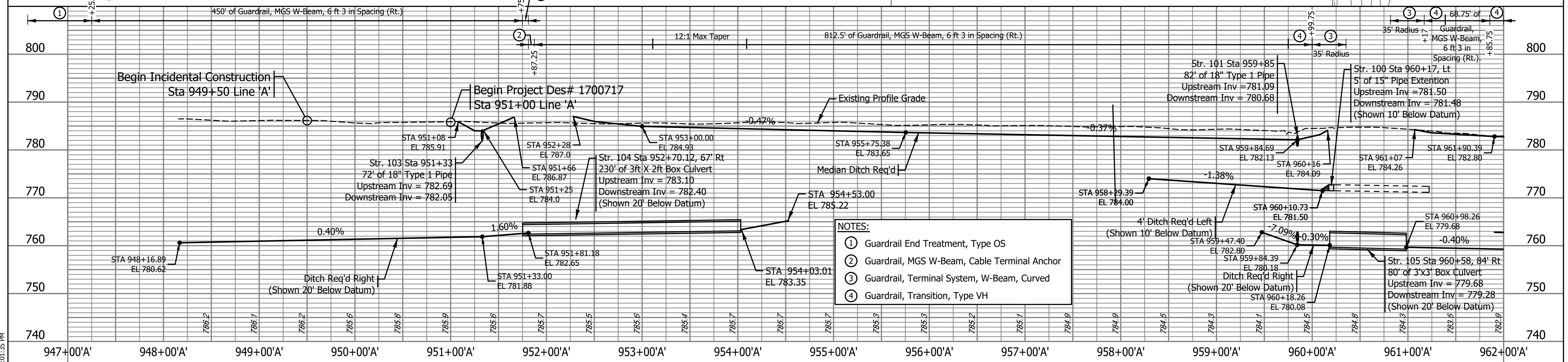
TRAFFIC MAINTENANCE - PHASE IV
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	24 of 58
CONTRACT	PROJECT
R-41500	1702937



Control Point Table

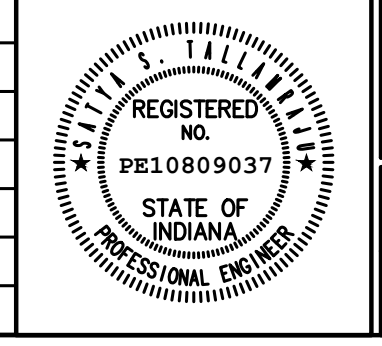
Point	Northing	Easting	Elevation	Type
1	175863.68	790110.02	787.1	IR
2	175748.15	789907.77	785.84	IR
3	175366.42	789993.94	785.05	IR
4	174886.34	789989.66	785.75	IR
5	176235.38	790014.51	782.77	IR
6	176658.72	790017.09	781.62	IR
7	174486.64	790038.49	784.28	BRASS PLUG



- NOTES:**
- ① Guardrail End Treatment, Type OS
 - ② Guardrail, MGS W-Beam, Cable Terminal Anchor
 - ③ Guardrail, Terminal System, W-Beam, Curved
 - ④ Guardrail, Transition, Type VH

BENCHMARK INFORMATION:
 TBM #1 - ISHC Disk on Culvert, E Side of SR 37
 Sta 947+37.36 Line 'A', 65.18' Rt
 Elev = 784.78'

DATE	REVISION



RECOMMENDED FOR APPROVAL: *T. S. ...*

DESIGN ENGINEER: *T. S. ...* DATE: 06/26/23

DESIGNED: EEA 06/26/23 DRAWN: EEA 06/26/23

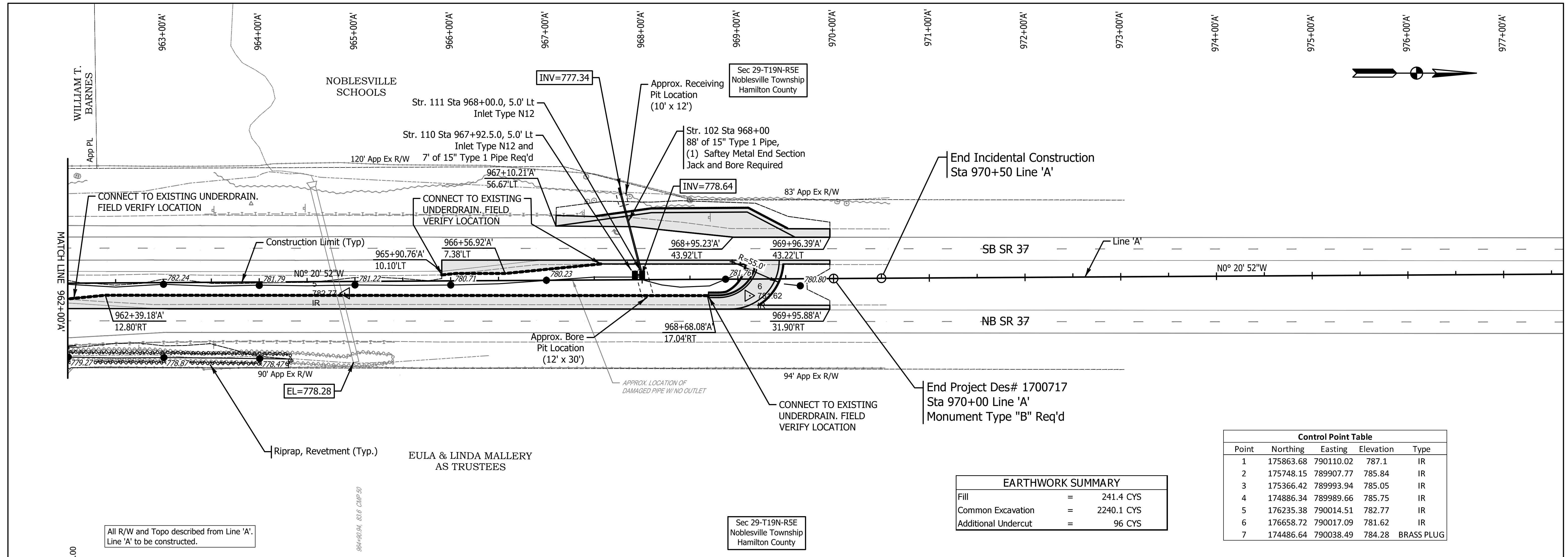
CHECKED: SST 06/26/23 CHECKED: SST 06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 SR 37, LINE 'A'

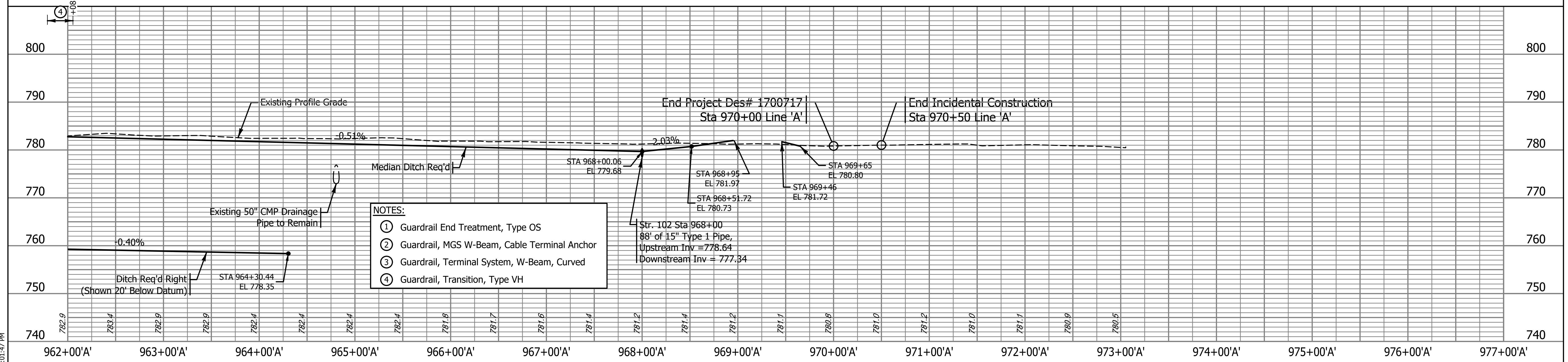
SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	25 of 58
CONTRACT	PROJECT
R-41500	1702937

Plot Date & Time: 6/26/2023 5:01:35 PM



EARTHWORK SUMMARY		
Fill	=	241.4 CYS
Common Excavation	=	2240.1 CYS
Additional Undercut	=	96 CYS

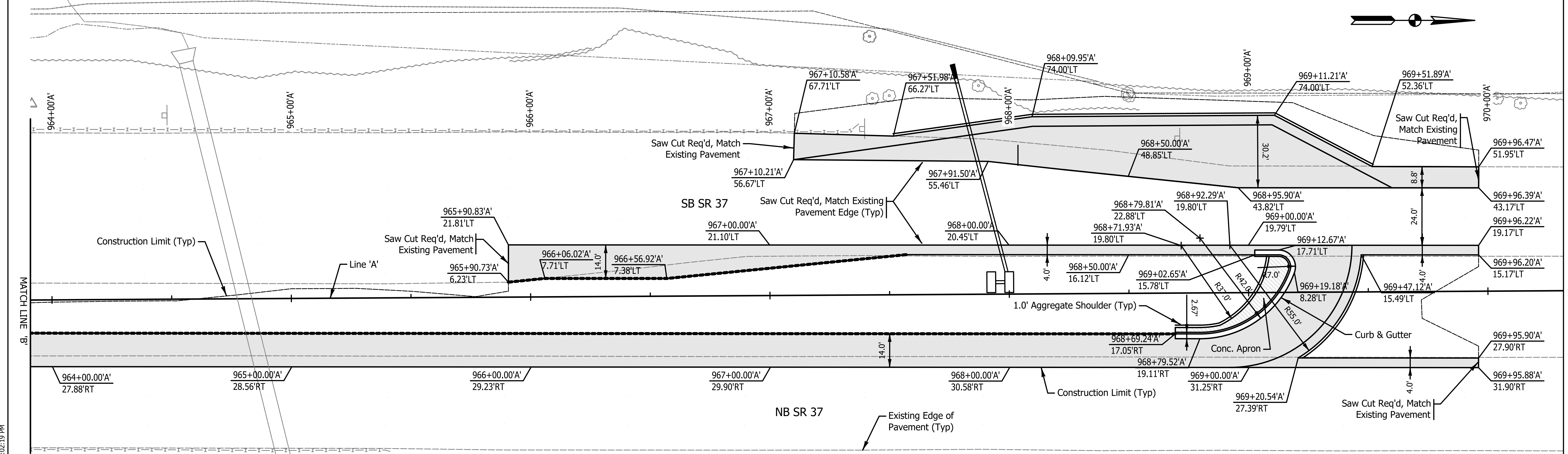
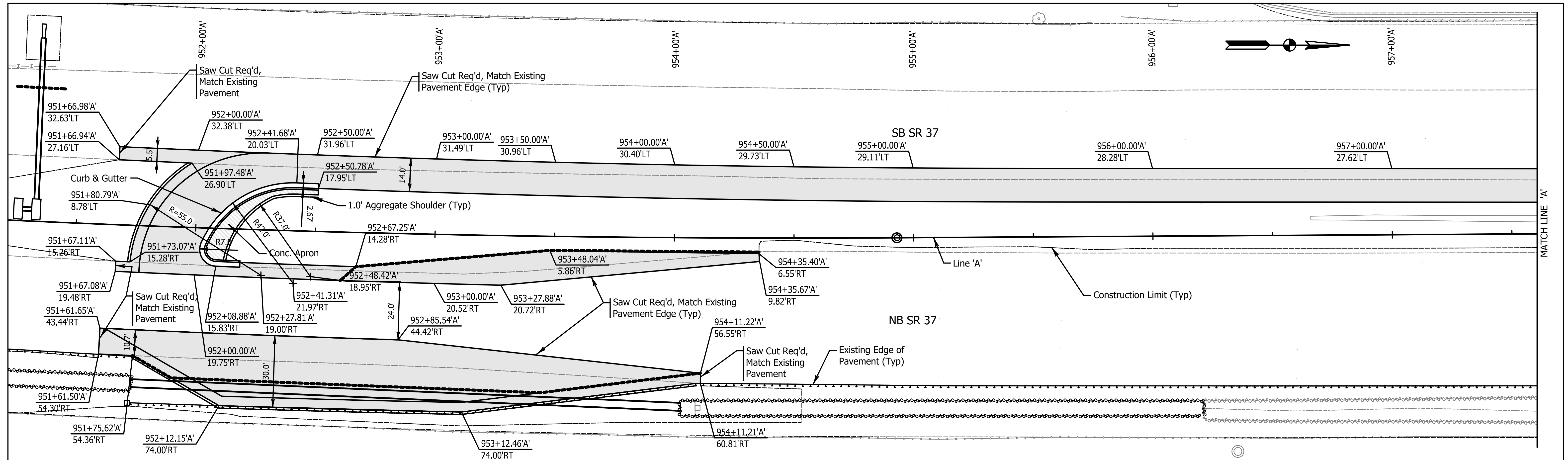
Control Point Table				
Point	Northing	Easting	Elevation	Type
1	175863.68	790110.02	787.1	IR
2	175748.15	789907.77	785.84	IR
3	175366.42	789993.94	785.05	IR
4	174886.34	789989.66	785.75	IR
5	176235.38	790014.51	782.77	IR
6	176658.72	790017.09	781.62	IR
7	174486.64	790038.49	784.28	BRASS PLUG



- NOTES:**
- Guardrail End Treatment, Type OS
 - Guardrail, MGS W-Beam, Cable Terminal Anchor
 - Guardrail, Terminal System, W-Beam, Curved
 - Guardrail, Transition, Type VH

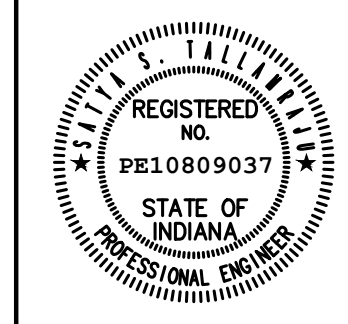
	RECOMMENDED FOR APPROVAL: <i>T. J. Sullivan</i> DESIGN ENGINEER: 06/26/23	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE SR 37, LINE 'A'	SCALE: 1.0" = 50.0'	BRIDGE FILE: N.A.	
	DESIGNED: EEA 06/26/23		DRAWN: EEA 06/26/23	SURVEY BOOK: N.A.	SHEETS: 26 of 58
	CHECKED: SST 06/26/23		CHECKED: SST 06/26/23	CONTRACT: R-41500	PROJECT: 1700717

Plot Date & Time: 6/26/2023 5:01:47 PM



Plot Date & Time: 6/26/2023 5:02:19 PM

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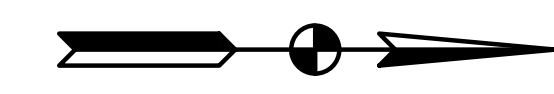


RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

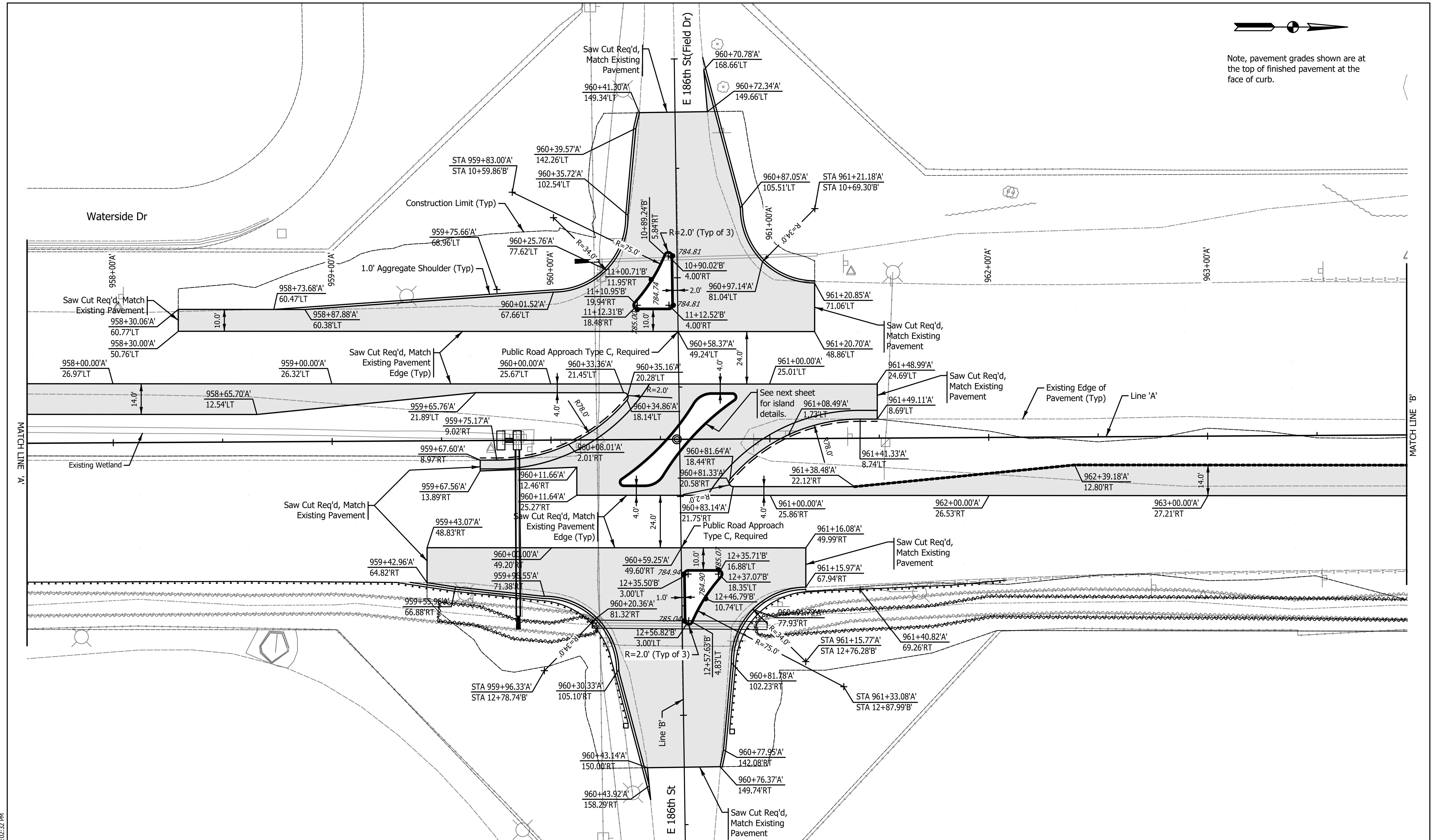
INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
SR 37, LINE 'A'

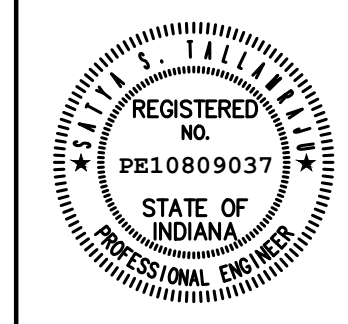
SCALE	BRIDGE FILE
1.0" = 20.00'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	27 of 58
CONTRACT	PROJECT
R-41500	1702937



Note, pavement grades shown are at the top of finished pavement at the face of curb.



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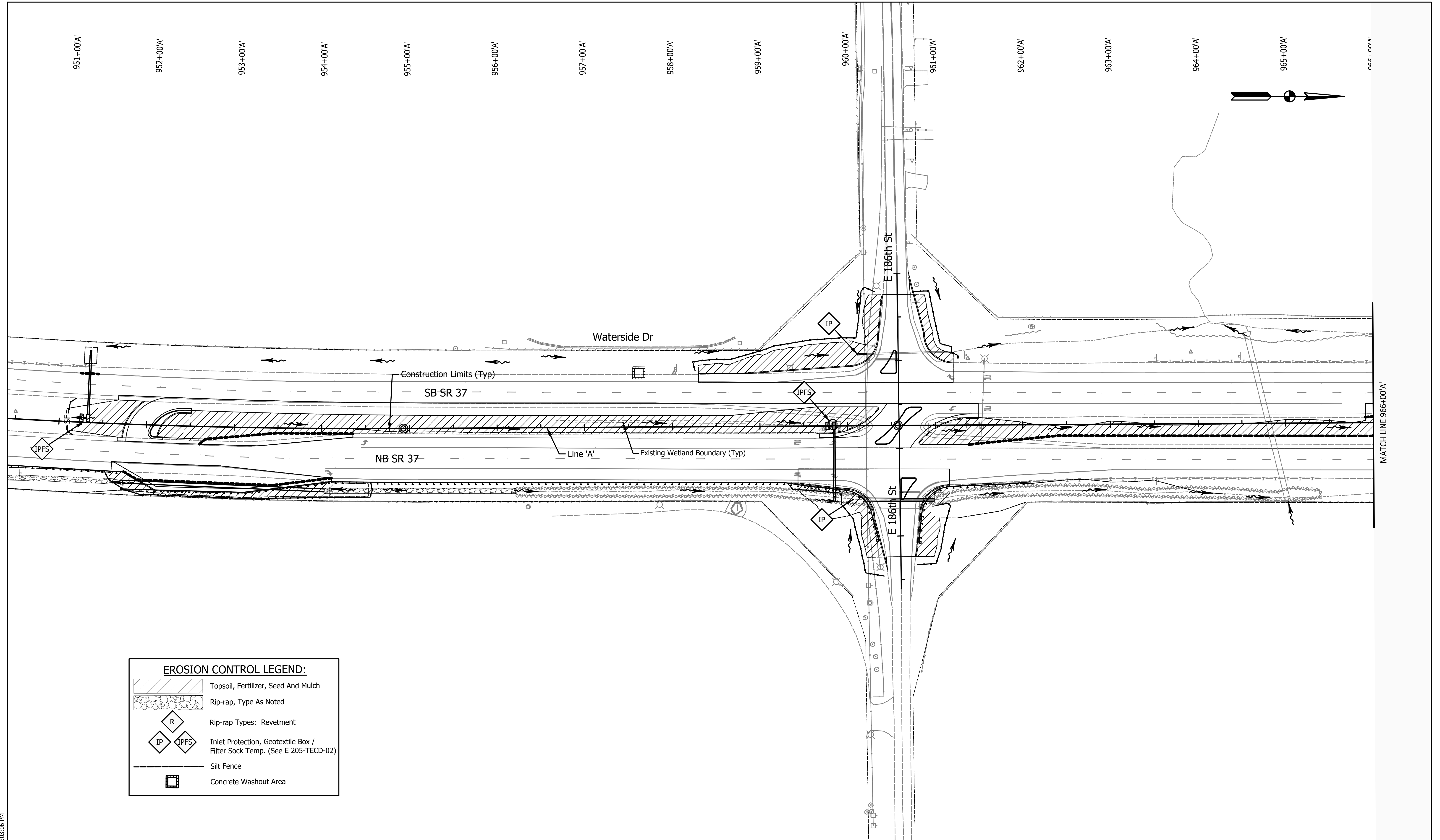


RECOMMENDED FOR APPROVAL	<i>T. J. Sullivan</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 20.00'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	28 of 58
CONTRACT	PROJECT
R-41500	1702937

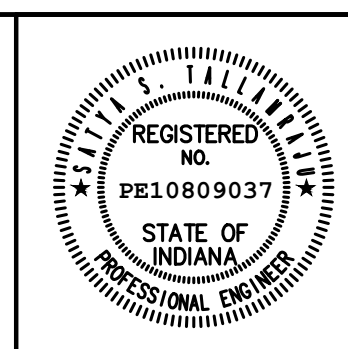


EROSION CONTROL LEGEND:

	Topsoil, Fertilizer, Seed And Mulch
	Rip-rap, Type As Noted
	Rip-rap Types: Revetment
	Inlet Protection, Geotextile Box / Filter Sock Temp. (See E 205-TECD-02)
	Silt Fence
	Concrete Washout Area

Plot Date & Time: 6/26/2023 5:03:06 PM

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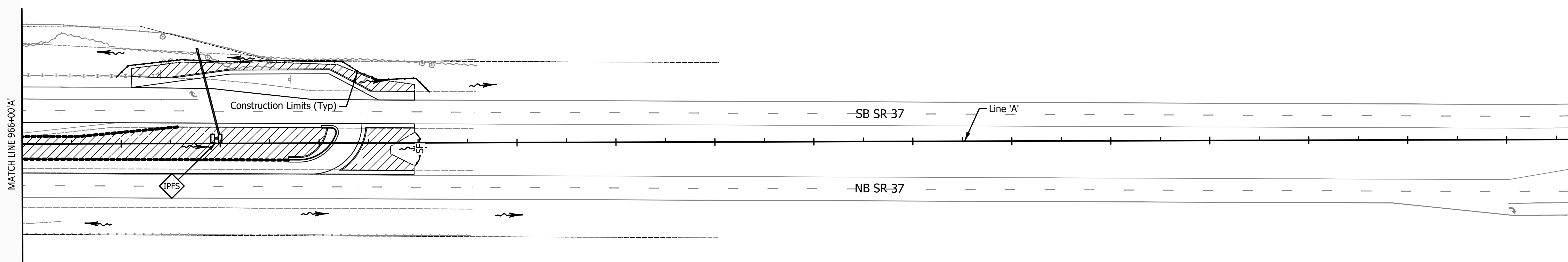
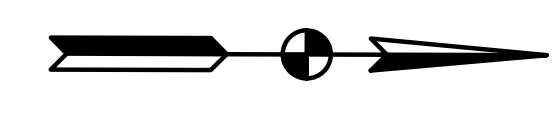
RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL DETAILS
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	30 of 58
CONTRACT	PROJECT
R-41500	1702937

966+00'A 967+00'A 968+00'A 969+00'A 970+00'A 971+00'A 972+00'A 973+00'A 974+00'A 975+00'A 976+00'A 977+00'A 978+00'A 979+00'A 980+00'A 981+00'A

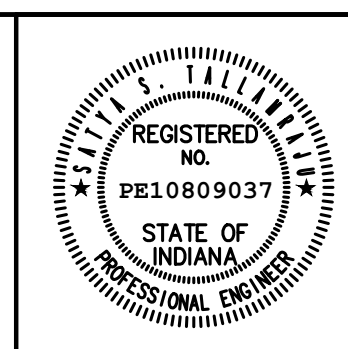


EROSION CONTROL LEGEND:

	Topsoil, Fertilizer, Seed And Mulch
	Rip-rap, Type As Noted
	Rip-rap Types: Revetment
	Inlet Protection, Geotextile Box / Filter Sock Temp. (See E 205-TECD-02)
	Silt Fence
	Concrete Washout Area

Plot Date & Time: 6/26/2023 5:03:10 PM

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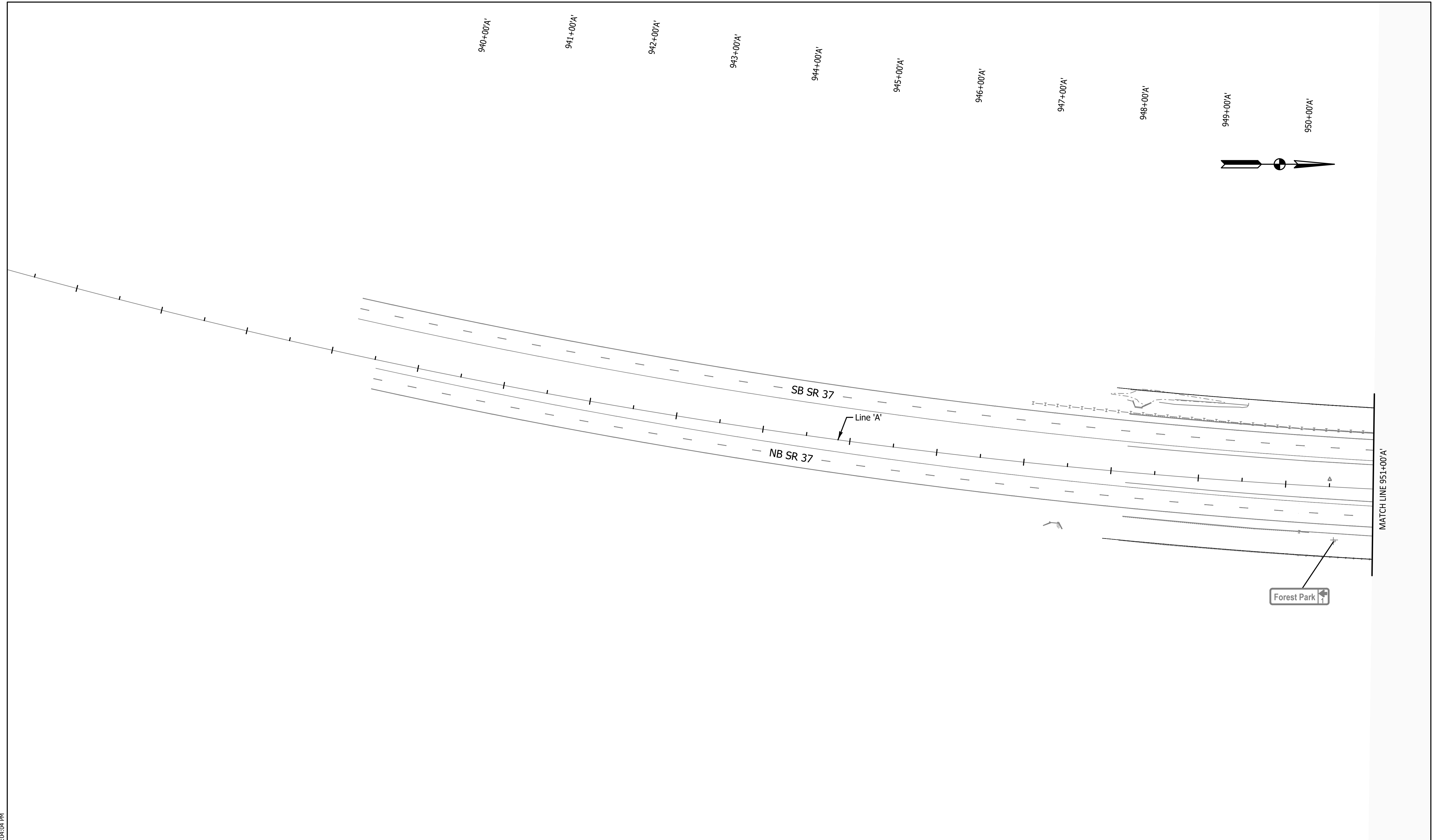


RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL DETAILS
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	31 of 58
CONTRACT	PROJECT
R-41500	1702937



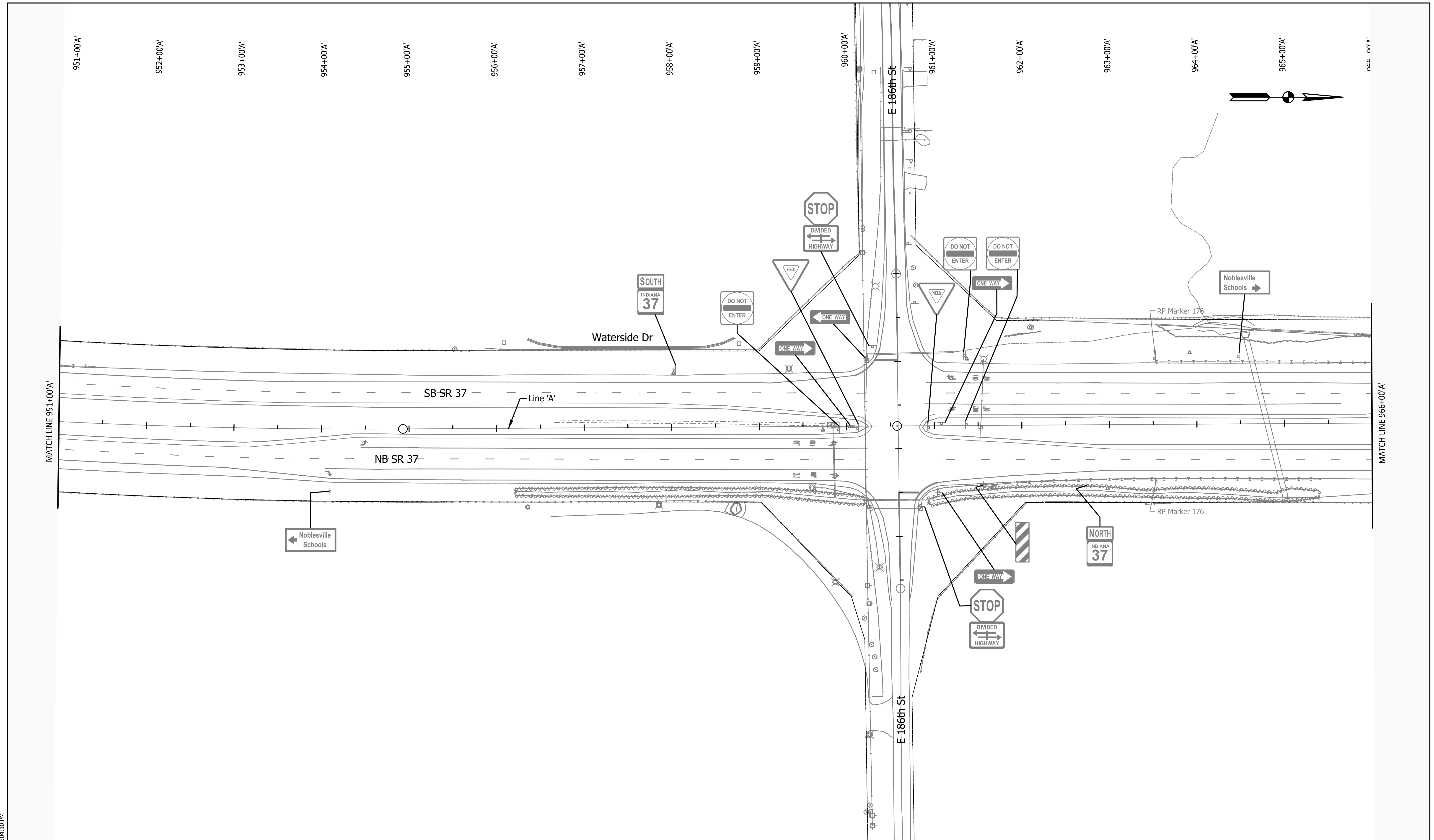
Plot Date & Time: 6/26/2023 5:04:04 PM

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RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

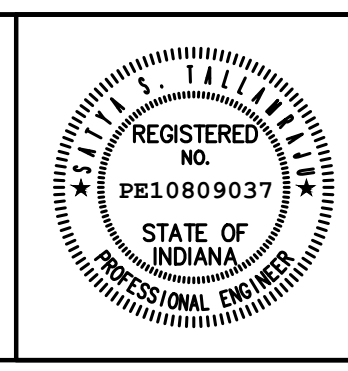
INDIANA DEPARTMENT OF TRANSPORTATION	
EXISTING SIGNING DETAILS SR 37, LINE 'A'	

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	32 of 58
CONTRACT	PROJECT
R-41500	1702937



Plot Date & Time: 6/26/2023 5:04:10 PM

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RECOMMENDED FOR APPROVAL	<i>T. J. Shinn</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

**EXISTING SIGNING DETAILS
SR 37, LINE 'A'**

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	33 of 58
CONTRACT	PROJECT
R-41500	1702937

MATCH LINE 966+00'A'

967+00'A'

968+00'A'

969+00'A'

970+00'A'

971+00'A'

972+00'A'

973+00'A'

974+00'A'

975+00'A'

976+00'A'

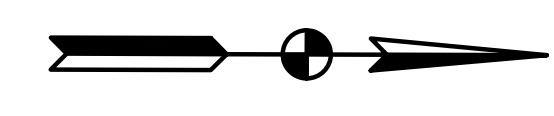
977+00'A'

978+00'A'

979+00'A'

980+00'A'

981+00'A'



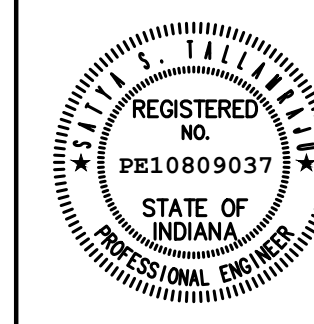
Forest Park

SB SR-37

Line 'A'

NB SR-37

Plot Date & Time: 6/26/2023 5:04:15 PM

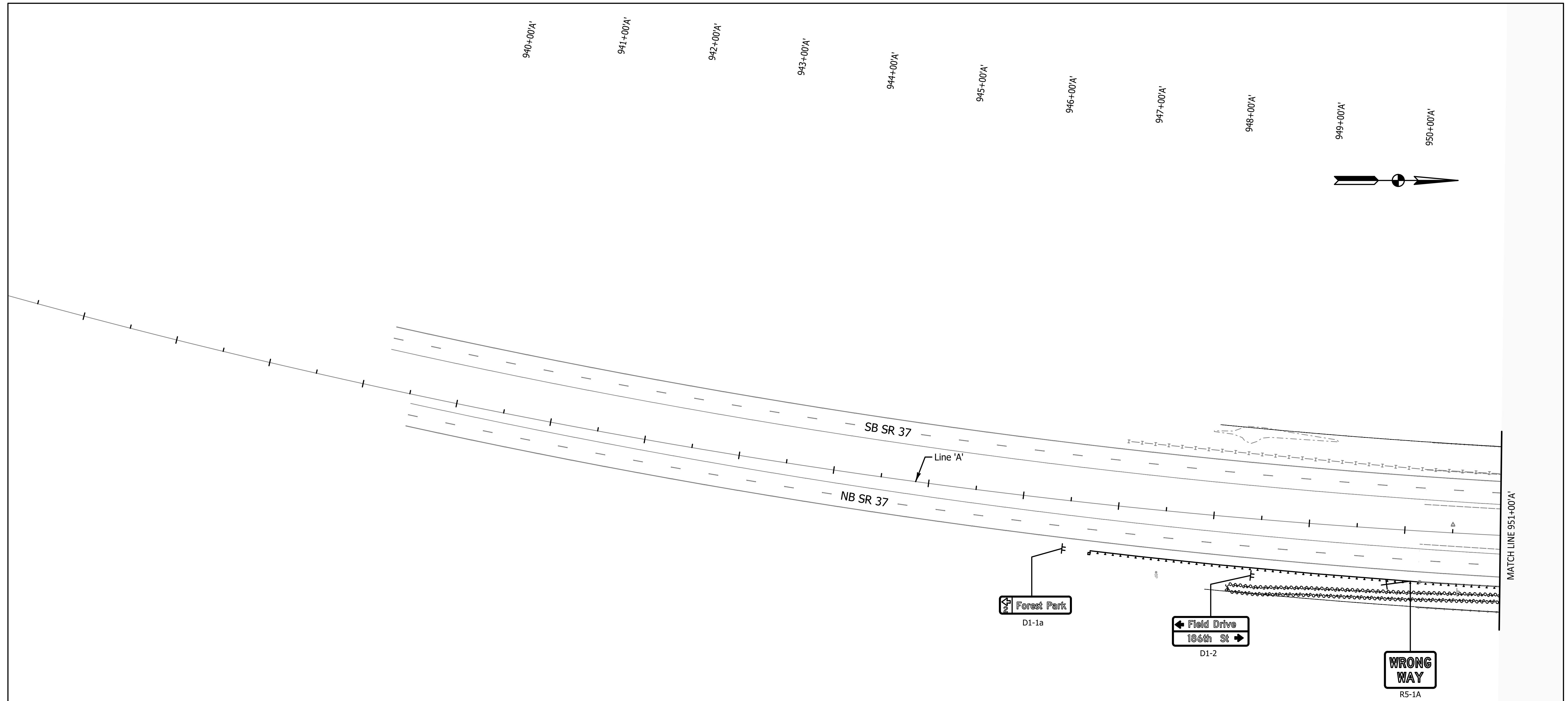


RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION

EXISTING SIGNING DETAILS
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	34 of 58
CONTRACT	PROJECT
R-41500	1702937



KEYNOTE LEGEND: PAVEMENT MARKING

1	Line, Solid, White, 6 In
2	Line, Solid, Yellow, 6 In
3	Line, Broken, Yellow, 6 In (10 Ft Line, 30 Ft Skip)
4	Line Solid, White, 8 In
5	Line, Broken, White, 8 In (3 Ft Line, 9 Ft Skip)
12	Transverse Marking, Crosshatch Line, White, 12 In

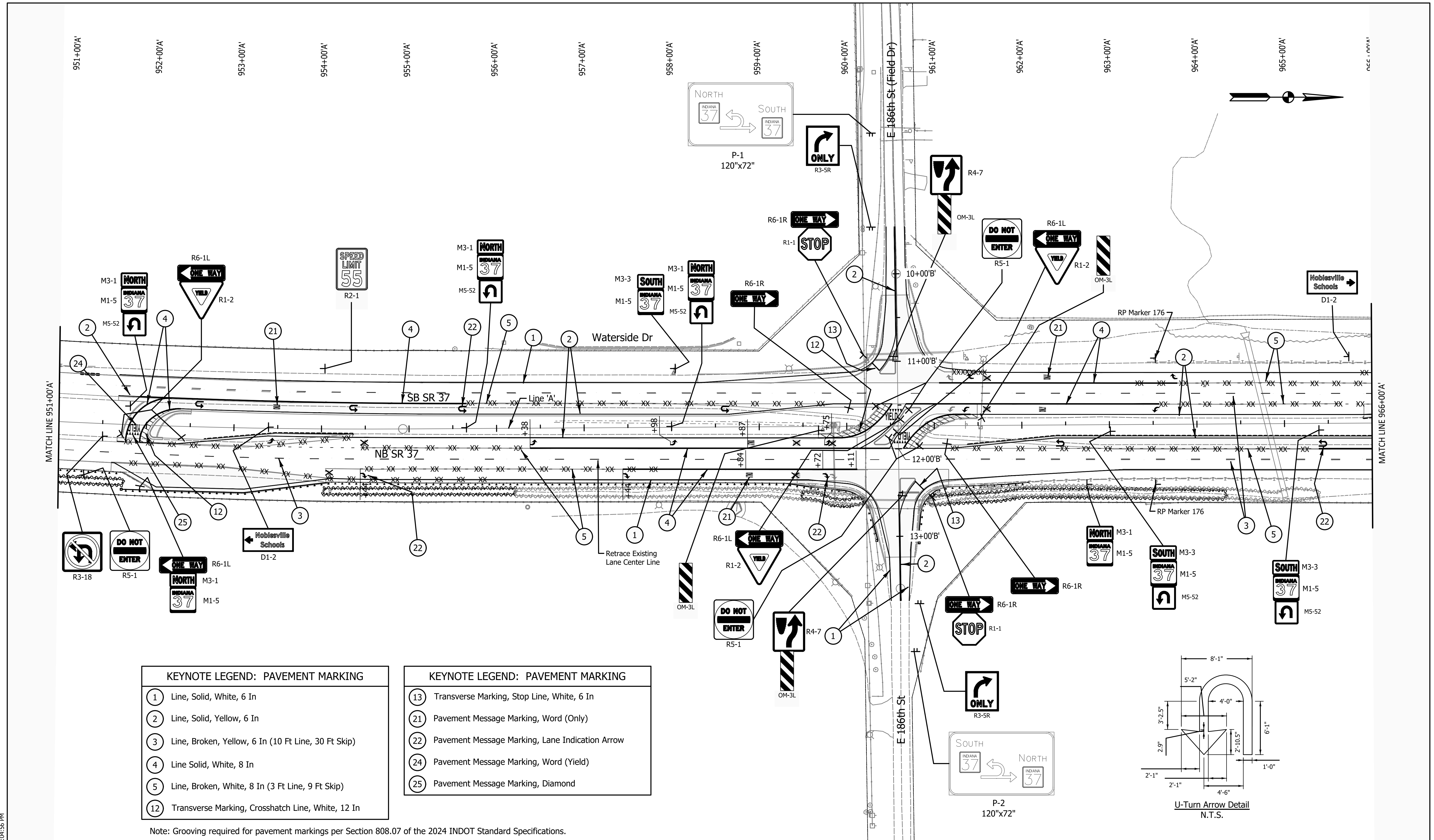
KEYNOTE LEGEND: PAVEMENT MARKING

13	Transverse Marking, Stop Line, White, 6 In
21	Pavement Message Marking, Word (Only)
22	Pavement Message Marking, Lane Indication Arrow
24	Pavement Message Marking, Word (Yield)
25	Pavement Message Marking, Diamond

Note: Grooving required for pavement markings per Section 808.07 of the 2024 INDOT Standard Specifications.

Plot Date & Time: 6/26/2023 5:04:52 PM

	RECOMMENDED FOR APPROVAL <i>E. E. A.</i> DESIGN ENGINEER 06/26/23	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 1.0" = 50.0'	BRIDGE FILE N.A.
	DESIGNED: EEA 06/26/23 DRAWN: EEA 06/26/23	SIGNING & PAVEMENT MARKING DETAILS SR 37, LINE 'A'	SURVEY BOOK N.A.	SHEETS 35 of 58
	CHECKED: SST 06/26/23 CHECKED: SST 06/26/23		CONTRACT R-41500	PROJECT 1702937



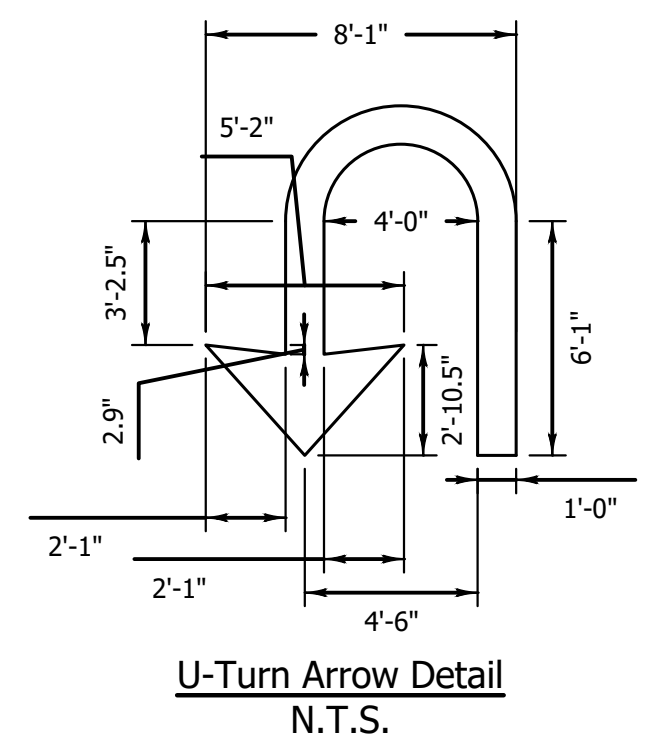
KEYNOTE LEGEND: PAVEMENT MARKING

1	Line, Solid, White, 6 In
2	Line, Solid, Yellow, 6 In
3	Line, Broken, Yellow, 6 In (10 Ft Line, 30 Ft Skip)
4	Line Solid, White, 8 In
5	Line, Broken, White, 8 In (3 Ft Line, 9 Ft Skip)
12	Transverse Marking, Crosshatch Line, White, 12 In

KEYNOTE LEGEND: PAVEMENT MARKING

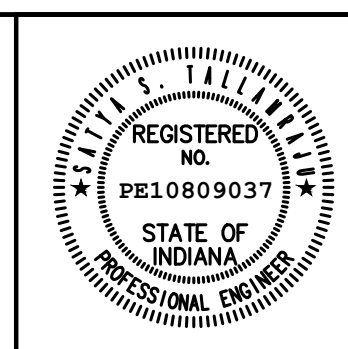
13	Transverse Marking, Stop Line, White, 6 In
21	Pavement Message Marking, Word (Only)
22	Pavement Message Marking, Lane Indication Arrow
24	Pavement Message Marking, Word (Yield)
25	Pavement Message Marking, Diamond

Note: Grooving required for pavement markings per Section 808.07 of the 2024 INDOT Standard Specifications.



Plot Date & Time: 6/26/2023 5:04:56 PM

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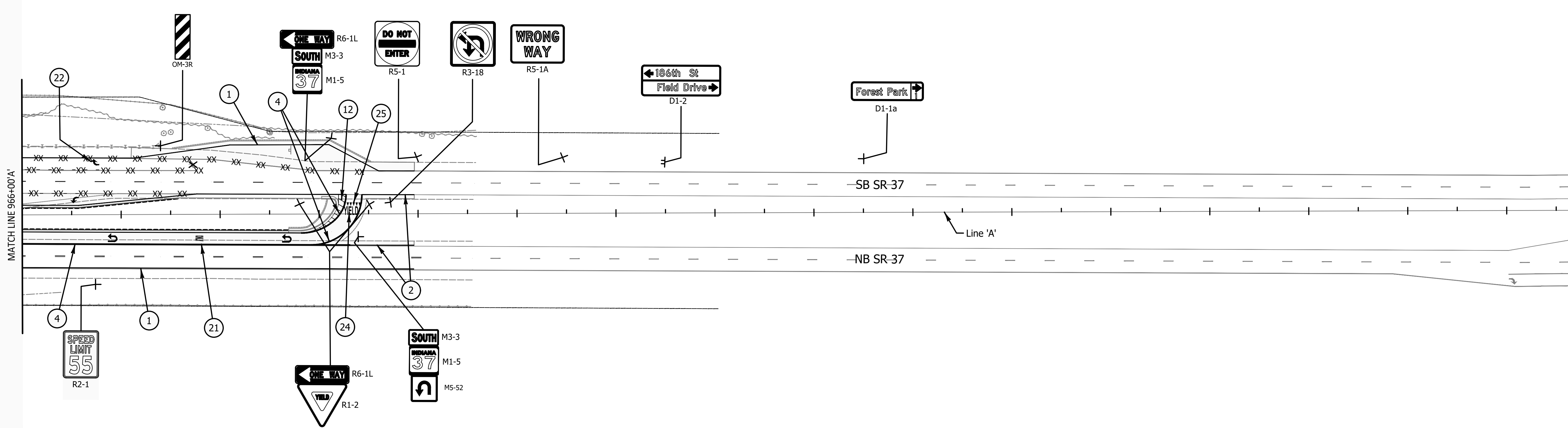
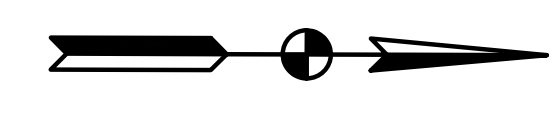


RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA 06/26/23
CHECKED: SST	06/26/23	CHECKED: SST 06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION
SIGNING & PAVEMENT MARKING DETAILS
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	36 of 58
CONTRACT	PROJECT
R-41500	1702937

967+00'A 968+00'A 969+00'A 970+00'A 971+00'A 972+00'A 973+00'A 974+00'A 975+00'A 976+00'A 977+00'A 978+00'A 979+00'A 980+00'A 981+00'A



KEYNOTE LEGEND: PAVEMENT MARKING

1	Line, Solid, White, 6 In
2	Line, Solid, Yellow, 6 In
3	Line, Broken, Yellow, 6 In (10 Ft Line, 30 Ft Skip)
4	Line Solid, White, 8 In
5	Line, Broken, White, 8 In (3 Ft Line, 9 Ft Skip)
12	Transverse Marking, Crosshatch Line, White, 12 In

KEYNOTE LEGEND: PAVEMENT MARKING

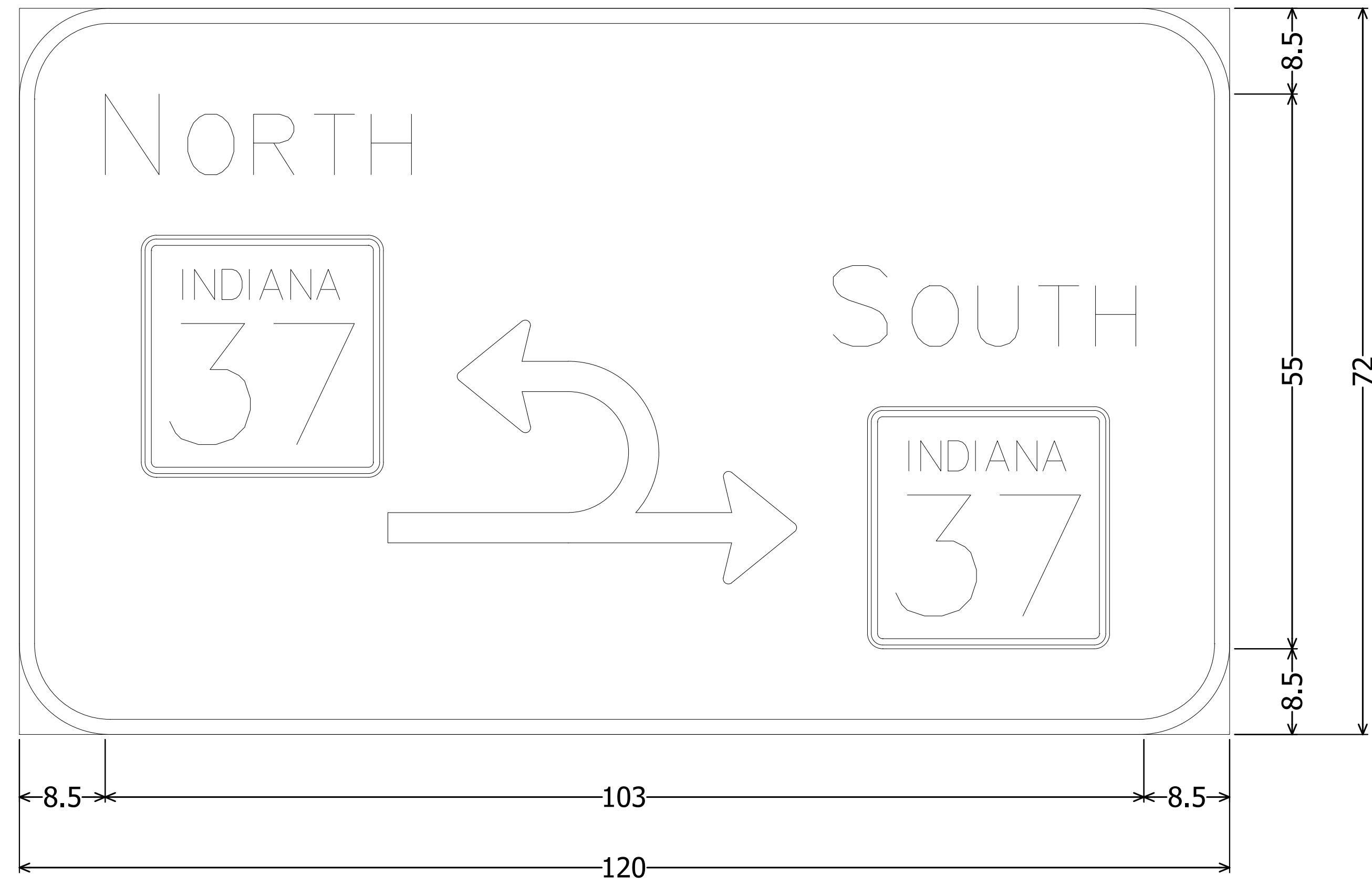
13	Transverse Marking, Stop Line, White, 6 In
21	Pavement Message Marking, Word (Only)
22	Pavement Message Marking, Lane Indication Arrow
24	Pavement Message Marking, Word (Yield)
25	Pavement Message Marking, Diamond

Note: Grooving required for pavement markings per Section 808.07 of the 2024 INDOT Standard Specifications.

Plot Date & Time: 6/26/2023 5:05:00 PM

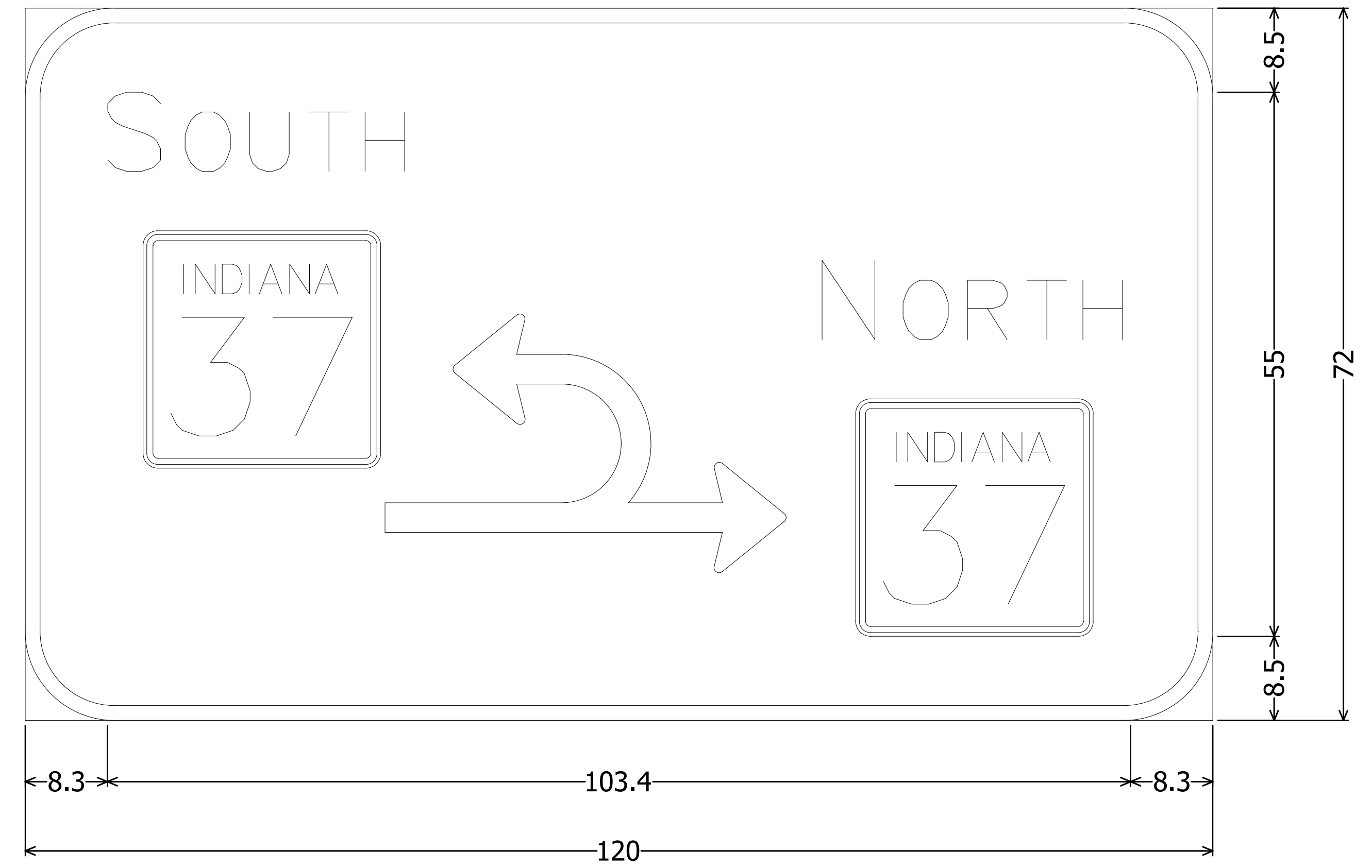
	RECOMMENDED FOR APPROVAL <i>T. S. Shinn</i> 06/26/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION SIGNING & PAVEMENT MARKING DETAILS SR 37, LINE 'A'	SCALE 1.0" = 50.0'	BRIDGE FILE N.A.
	DESIGNED: EEA 06/26/23 DRAWN: EEA 06/26/23		DESIGNATION 1700717	
	CHECKED: SST 06/26/23 CHECKED: SST 06/26/23		SURVEY BOOK N.A.	
			SHEETS 37 of 58	
			CONTRACT R-41500	PROJECT 1702937

P-1

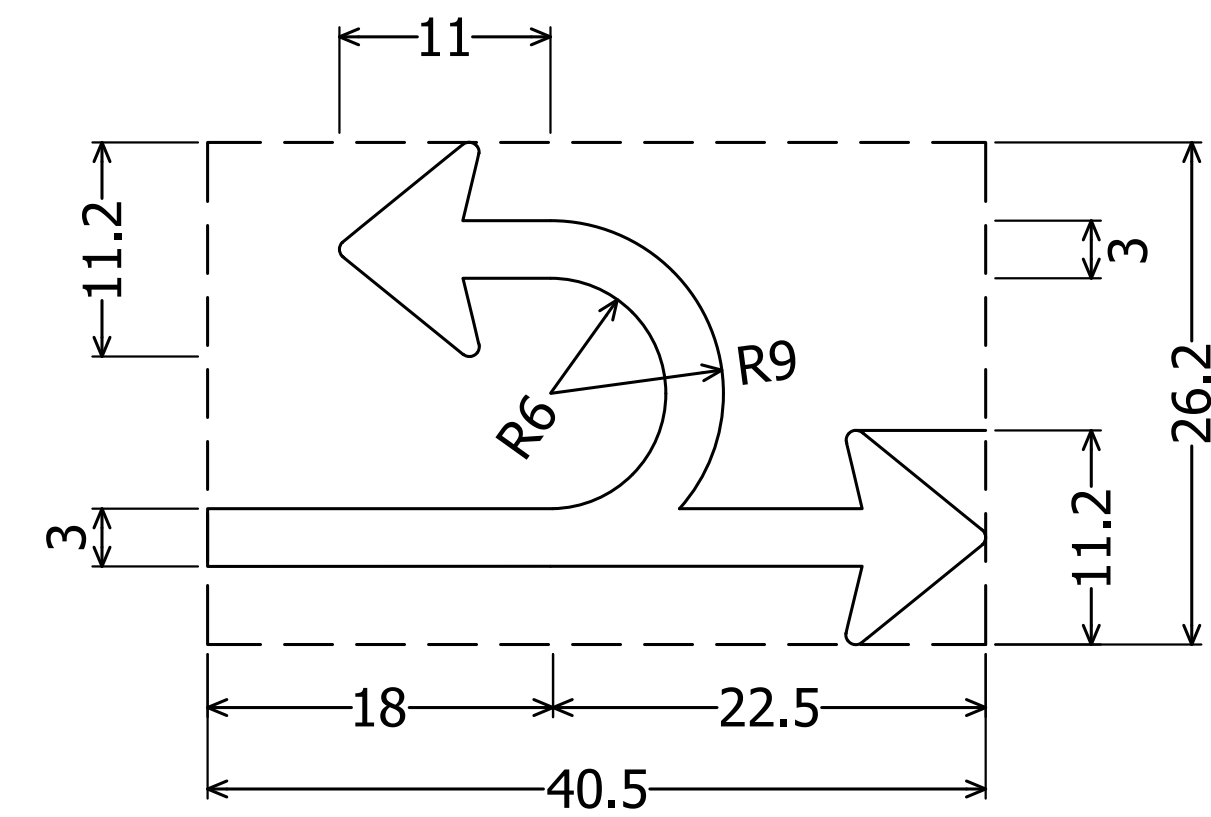


9" Radius; 1.5" Border; White on Green; All Dimensions Are Inches

P-2



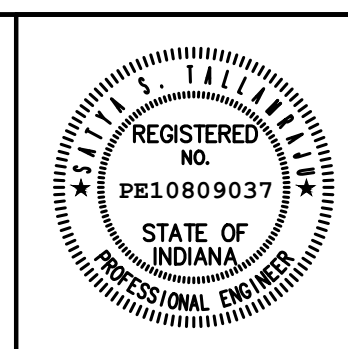
9" Radius; 1.5" Border; White on Green; All Dimensions Are Inches



All Dimensions Are Inches

Plot Date & Time: 6/26/2023 5:05:07 PM

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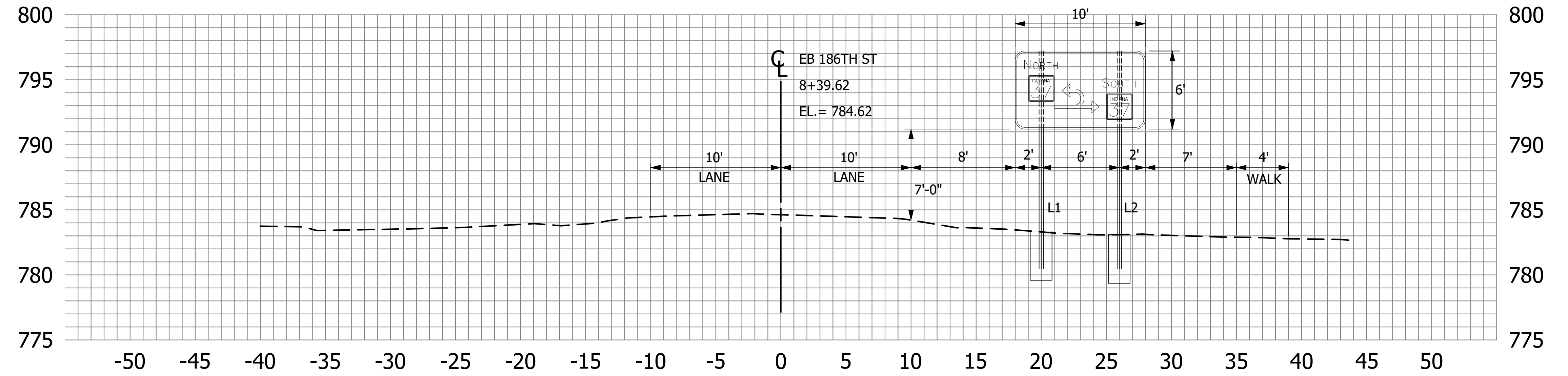
RECOMMENDED FOR APPROVAL	<i>T. J. Sullivan</i>	DESIGN ENGINEER	DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION	
PANEL SIGN PLATES SR 37, LINE 'A'	

SCALE	BRIDGE FILE
1.0" = 10.0"	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	38 of 58
CONTRACT	PROJECT
R-41500	1702937

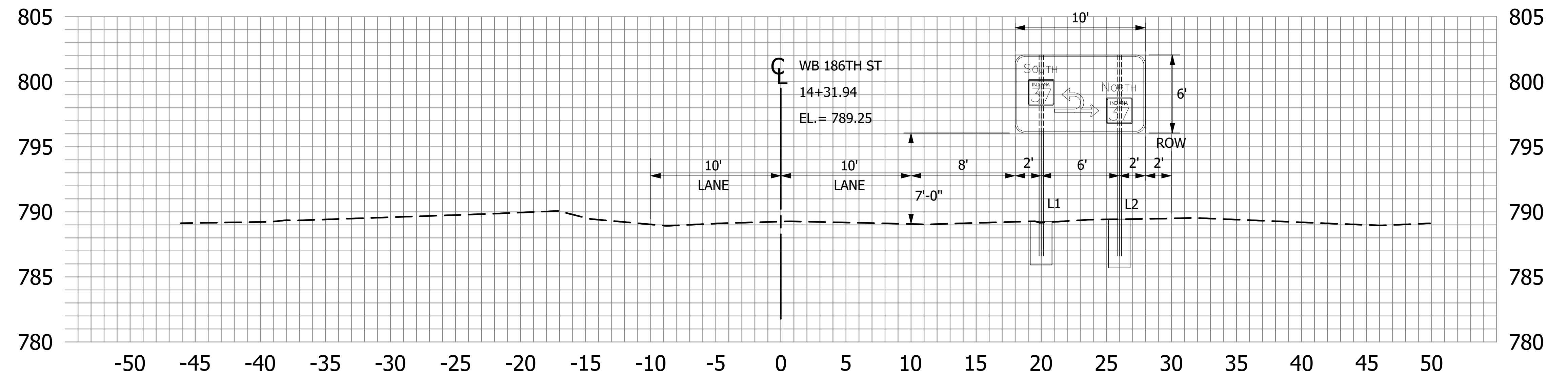
**EB 186TH ST
STA 8+39.62**

POST TYPE W6X9
 POST LENGTH L1 13.8 FT.
 POST LENGTH L2 14.1 FT.
 FOUNDATION TYPE A



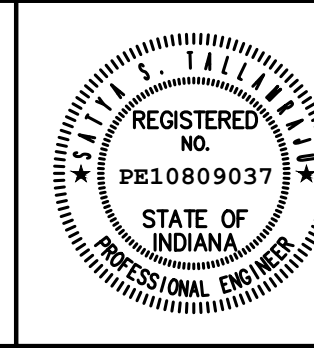
**WB 186TH ST
STA 14+31.94**

POST TYPE W6X9
 POST LENGTH L1 12.8 FT.
 POST LENGTH L2 12.6 FT.
 FOUNDATION TYPE A



Plot Date & Time: 6/26/2023 5:05:12 PM

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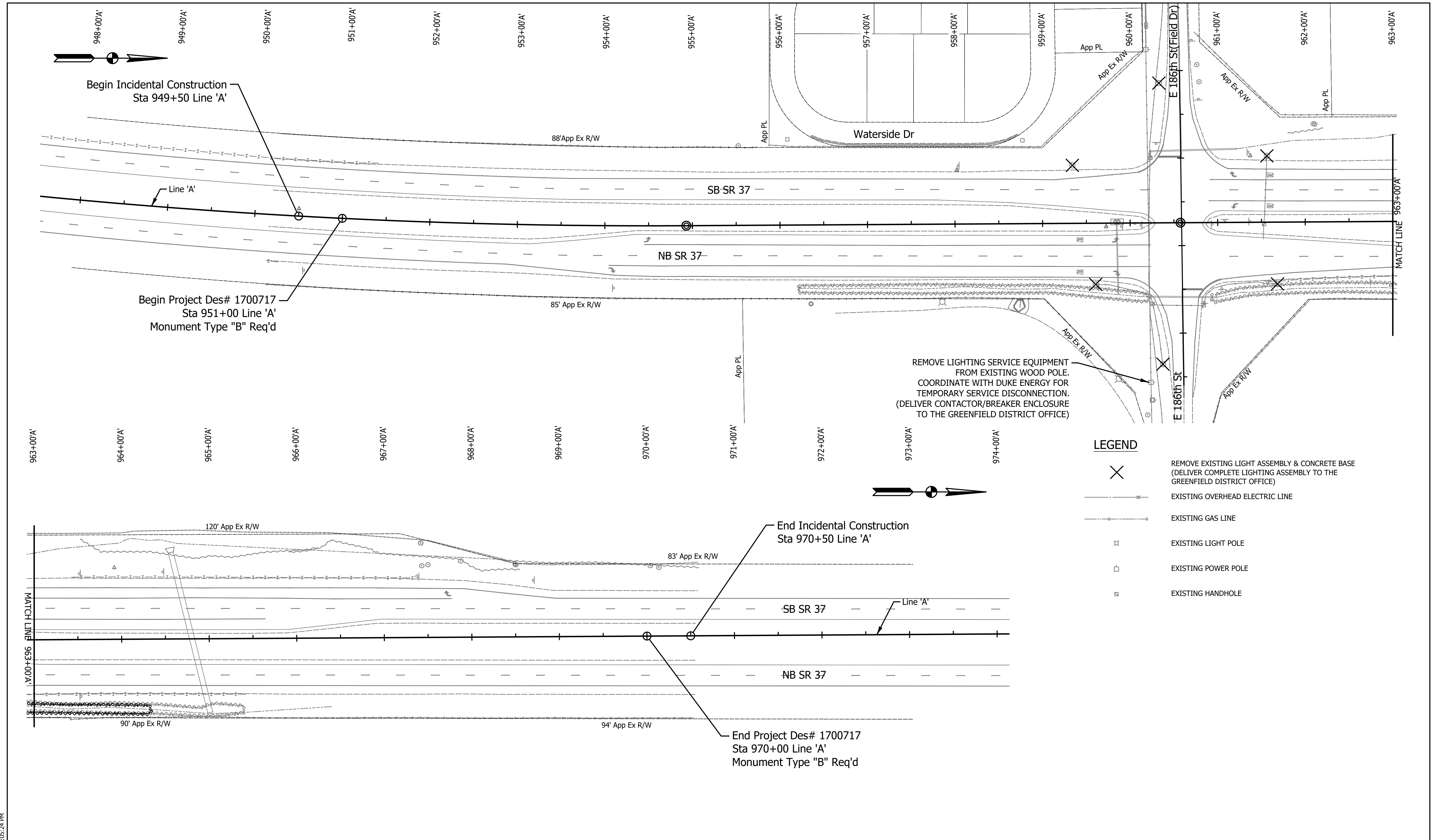


RECOMMENDED FOR APPROVAL	<i>T. J. Sullivan</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

PANEL SIGN CROSS SECTIONS
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 5.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	39 of 58
CONTRACT	PROJECT
R-41500	1702937



Begin Incidental Construction
Sta 949+50 Line 'A'

Begin Project Des# 1700717
Sta 951+00 Line 'A'
Monument Type "B" Req'd

REMOVE LIGHTING SERVICE EQUIPMENT
FROM EXISTING WOOD POLE.
COORDINATE WITH DUKE ENERGY FOR
TEMPORARY SERVICE DISCONNECTION.
(DELIVER CONTACTOR/BREAKER ENCLOSURE
TO THE GREENFIELD DISTRICT OFFICE)

LEGEND

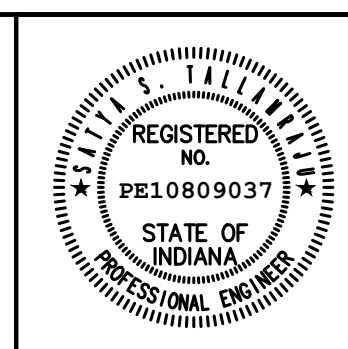
- REMOVE EXISTING LIGHT ASSEMBLY & CONCRETE BASE (DELIVER COMPLETE LIGHTING ASSEMBLY TO THE GREENFIELD DISTRICT OFFICE)
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING GAS LINE
- EXISTING LIGHT POLE
- EXISTING POWER POLE
- EXISTING HANDHOLE

End Incidental Construction
Sta 970+50 Line 'A'

End Project Des# 1700717
Sta 970+00 Line 'A'
Monument Type "B" Req'd

Plot Date & Time: 6/26/2023 5:05:24 PM

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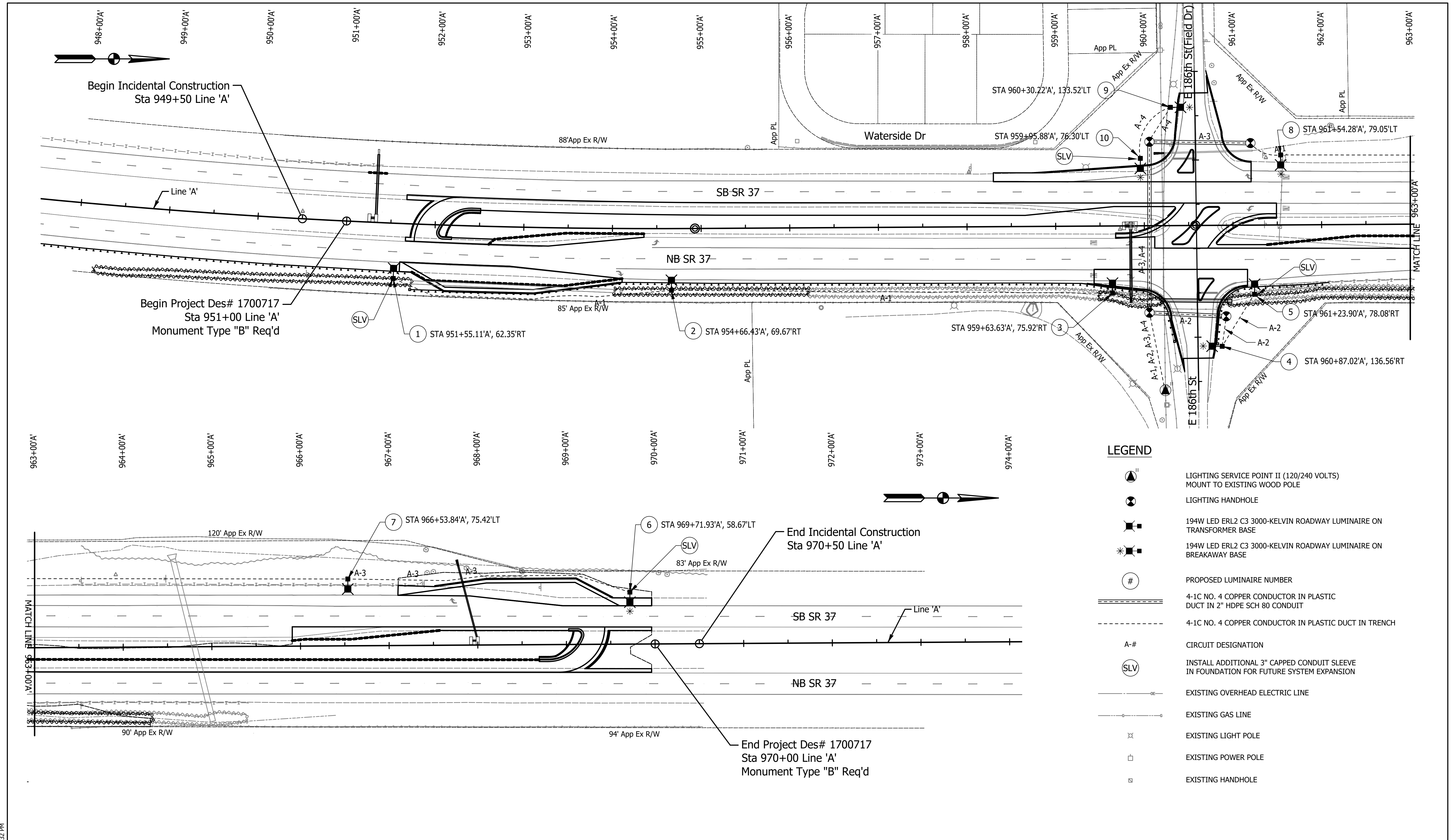


RECOMMENDED FOR APPROVAL	<i>T. J. Sullivan</i>	DESIGN ENGINEER	DATE
			06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
SR 37, LINE 'A'

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	40 of 58
CONTRACT	PROJECT
R-41500	1702937

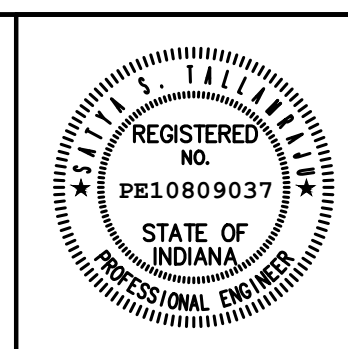


LEGEND

- LIGHTING SERVICE POINT II (120/240 VOLTS) MOUNT TO EXISTING WOOD POLE
- LIGHTING HANDHOLE
- 194W LED ERL2 C3 3000-KELVIN ROADWAY LUMINAIRE ON TRANSFORMER BASE
- 194W LED ERL2 C3 3000-KELVIN ROADWAY LUMINAIRE ON BREAKAWAY BASE
- PROPOSED LUMINAIRE NUMBER
- 4-1C NO. 4 COPPER CONDUCTOR IN PLASTIC DUCT IN 2" HDPE SCH 80 CONDUIT
- 4-1C NO. 4 COPPER CONDUCTOR IN PLASTIC DUCT IN TRENCH
- CIRCUIT DESIGNATION
- INSTALL ADDITIONAL 3" CAPPED CONDUIT SLEEVE IN FOUNDATION FOR FUTURE SYSTEM EXPANSION
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING GAS LINE
- EXISTING LIGHT POLE
- EXISTING POWER POLE
- EXISTING HANDHOLE

Plot Date & Time: 6/26/2023 5:05:32 PM

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RECOMMENDED FOR APPROVAL	<i>T. J. Sullivan</i>	DESIGN ENGINEER	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION

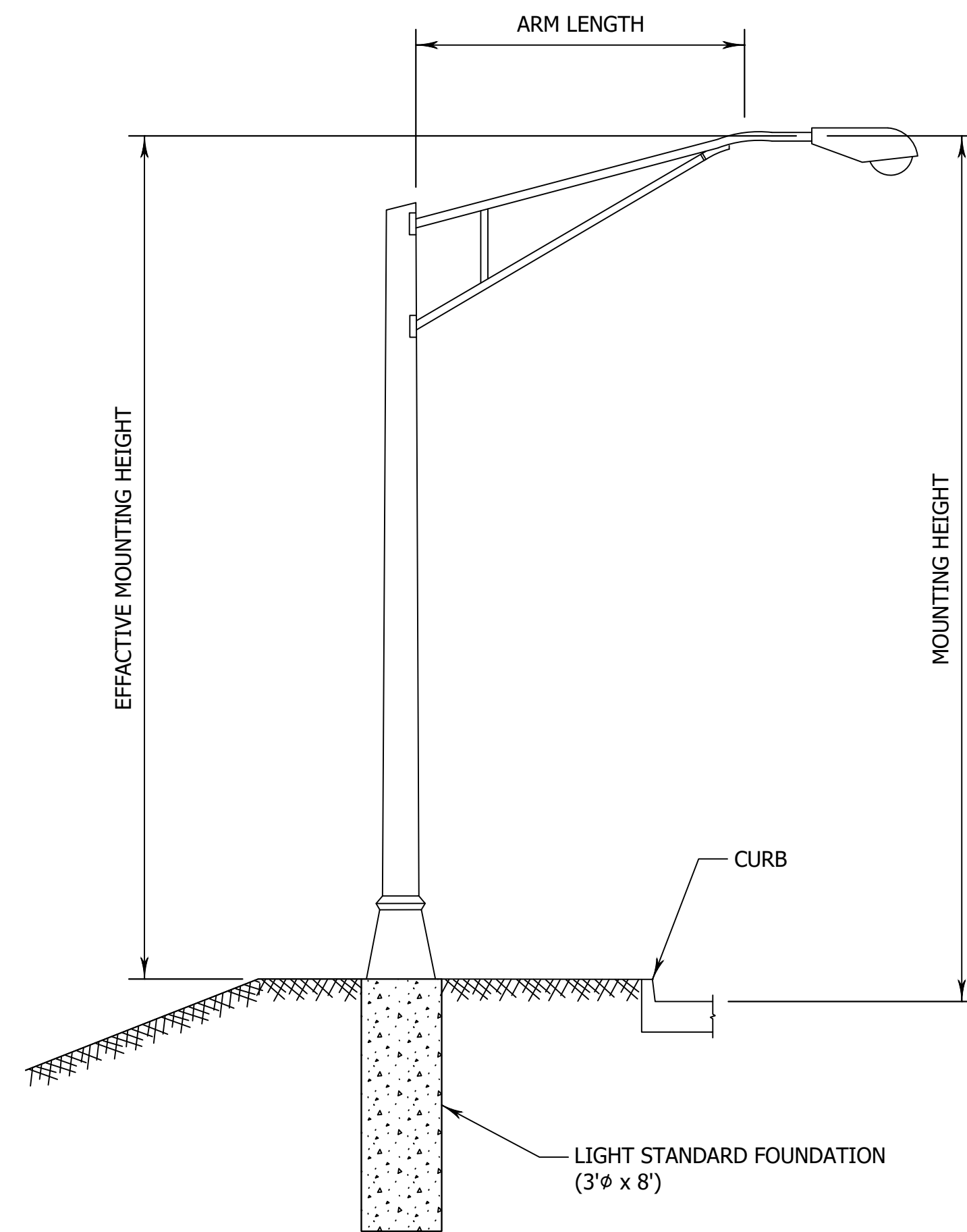
**LIGHTING PLAN
SR 37, LINE 'A'**

SCALE	BRIDGE FILE
1.0" = 50.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	41 of 58
CONTRACT	PROJECT
R-41500	1702937

LUMINAIRE TABLE										
LUMINAIRE NO.	1	2	3	4	5	6	7	8	9	10
CIRCUIT CONNECTION	A-1	A-1	A-1	A-2	A-2	A-3	A-3	A-3	A-4	A-4
CONNECTION TYPE	1	2	2	2	1	1	2	2	2	1
MAST ARM LENGTH	10	10	10	10	10	10	10	10	10	10
MAST ARM ORIENTATION (COMPASS)	270	270	270	180	270	90	90	90	0	90
LUMINAIRE EFFECTIVE MOUNTING HEIGHT (E.M.H.)	40	40	40	40	40	40	40	40	40	40
SETBACK FROM	BEHIND GUARD RAIL	2	2	2	2		2			
	EDGE OF THROUGH LANE					20		20	20	20

SERVICE POINT LOAD TABLE - 120/240V				
SERVICE POINT	MAIN BREAKER	BRANCH CIRCUIT	LOAD AMPS	BRANCH BREAKER
A	100 AMP	A-1	4.85	2P-30A
		A-2	3.24	2P-30A
		A-3	4.85	2P-30A
		A-4	3.24	2P-30A

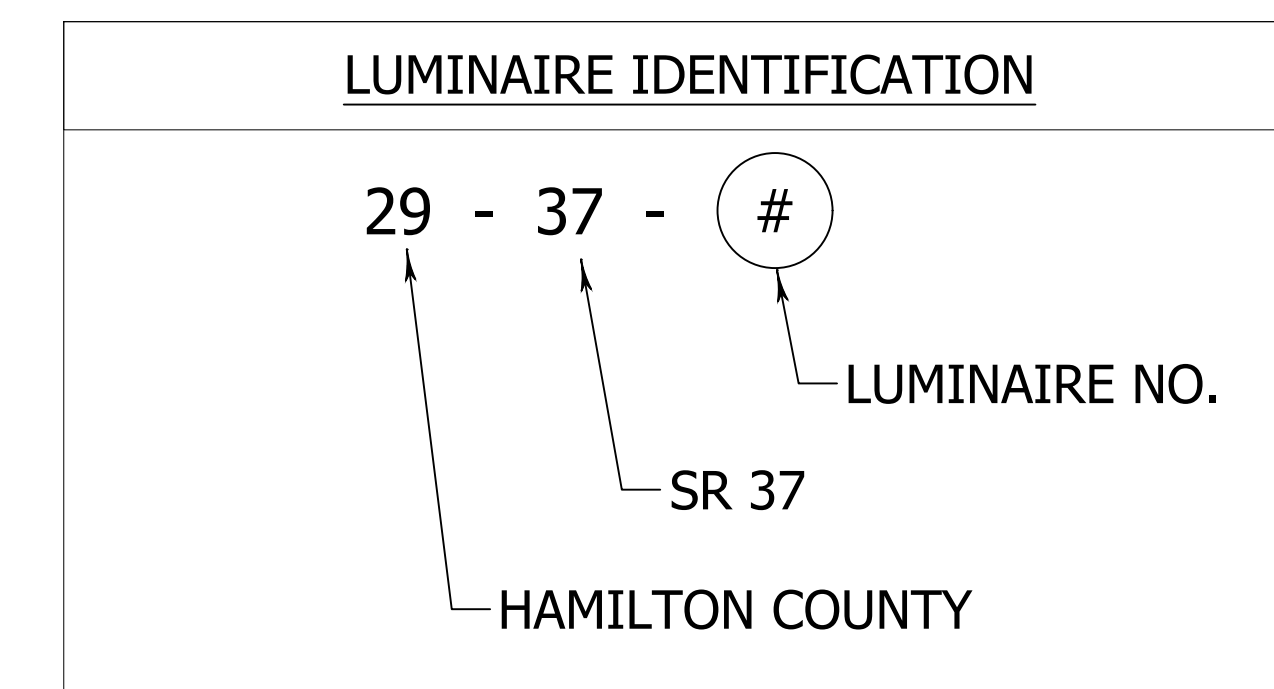
LUMINAIRE DESIGN DATA	
INITIAL LUMINAIRE LUMENS	22100
OPERATING WATTAGE	194W
OPERATING VOLTAGE	120V
COLOR TEMP - KELVIN (CCT)	3000
LUMEN DEPRECIATION	0.93
DIRT DEPRECIATION	0.87
LIGHT LOSS FACTOR	0.81
MOUNTING HEIGHT	40 FT
LUMINAIRE CLASSIFICATION	R3



TYPICAL LIGHT STANDARD

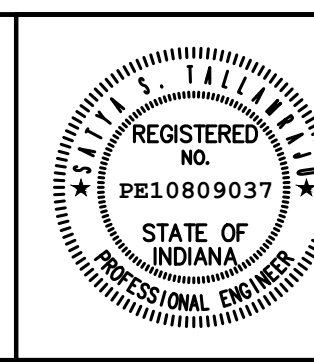
POLE IDENTIFICATION NOTES

1. THE CIRCLED NUMBERS ON THE LIGHTING PLAN SHEET ARE TO BE INTERPRETED AS THE LAST DIGIT OF THE IDENTIFICATION NUMBER PRECEDED BY 29-37-



Plot Date & Time: 6/26/2023 5:05:34 PM

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RECOMMENDED FOR APPROVAL	<i>T. J. ...</i>	DESIGN ENGINEER	06/26/23	DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23	
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23	

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING DESIGN DETAILS
SR 37, LINE 'A'

SCALE	BRIDGE FILE
NTS	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	42 of 58
CONTRACT	PROJECT
R-41500	1702937

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADI	MICROSTATION MEASURED ASPH AREA	MICROSTATION MEASURED AGG AREA	GRADE			HMA FOR APPROACHES, TYPE C		HMA FOR ROADS			ASPHALT MATERIAL FOR TACK COAT	COMPACTED AGGREGATE FOR SHOULDERS		SUBGRADE TREATMENT TYPE IC	JOINT ADHESIVE SURFACE	JOINT ADHESIVE INTERMD	REMARKS
							1	2	3	SURFACE TYPE C	INTERMD TYPE C	OC/QA-HMA, 4, 76 SURFACE, 9.5mm	OC/QA-HMA, 4, 76, INTERMD, 19.0mm	OC/QA-HMA, 4, 64, BASE, 25.0mm		DEPTH (INCH)					
							%	%	%	165 TONS	275 TONS	165 TONS	275 TONS	990 TONS	SYS	10 TONS	SYS	LFT	LFT		
CL Line "A"			FT	FT	FT	SF	SF														
951+67 to 954+11	RT, NB OUTSIDE SHLD	Varies	244.0		5,440.00	5,697.00					49.9	83.1	299.2	0.36		29.82	633.00	488.00	488.00		
951+67 to 954+35	RT, NB MEDIAN SHLD	Varies	268.0		2,496.00	2,708.00					22.9	38.1	137.3	0.17		32.76	300.89	536.00	536.00		
951+67 to 954+11	RT, NB OUTSIDE SHLD	Varies	244.0		5,440.00	5,697.00					49.9	83.1	299.2	0.36		29.82	633.00	488.00	488.00		
951+67 to 954+35	RT, NB MEDIAN SHLD	Varies	268.0		2,496.00	2,708.00					22.9	38.1	137.3	0.17		32.76	300.89	536.00	536.00		
951+67 to 959+66	LT, SB MEDIAN SHLD	Varies	799.0		11,040.00	11,399.00					101.2	168.7	607.2	0.74		97.66	1,266.56	1,598.00	1,598.00		
959+66 to 961+49	RT & LT, MEDIAN LOON	Varies	183.0		5,014.00	5,772.00					46.0	76.6	275.8	0.33		22.37	641.33	366.00	366.00		
961+38 to 969+96	RT, NB MEDIAN SHLD	Varies	858.0		11,343.00	11,703.00					104.0	173.3	623.9	0.76		104.87	1,300.33	1,716.00	1,716.00		
965+91 to 969+96	LT, SB MEDIAN SHLD	Varies	405.0		3,200.00	3,444.00					29.3	48.9	176.0	0.21		49.50	382.67	810.00	810.00		
968+23 to 969+96	LT, SB OUTSIDE SHLD	Varies	173.0		5,151.00	5,442.00					47.2	78.7	283.3	0.34		21.14	604.67	346.00	346.00		
959+43 to 961+16	RT, NB AUX LANE/SHLD	14	173.0		2,412.00	2,412.00					22.1	36.9	132.7	0.16			268.00	346.00	346.00		
958+30 to 961+21	LT, SB AUX LANE/SHLD	14	291.0		3,327.00	3,327.00					30.5	50.8	183.0	0.22			369.67	582.00	582.00		
959+43 to 961+16	RT E. 186TH ST APRCH	Varies	173.0	40/40	5,290.00	5,459.00	-2.0	3.7			48.5	80.8		0.35		33.73	606.56	346.00	346.00		
959+00 to 961+21	LT E. 186TH ST APRCH	Varies	221.0	40/40	5,531.00	5,874.00	-0.7	2.0			50.7	84.5		0.37		43.02	652.67	442.00	442.00		
TOTALS					68,180.00	71,642.00					100.00	165.00	454.00	756.00	2,719.00	5.00	435.00	7,027.00	7,576.00	7,576.00	

265.00

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION					DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH LFT	VIDEO INSPECTION LENGTH LFT	SKEW	COVER		FLOW LINE		SUMP DEPTH IN.	TOP OF CASTING ELEV.	SERVICE LIFE YRS	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 2 CYS	FLOWABLE BACKFILL TYPE CYS	GEOTEXTILES for RIPRAP TYPE 1A SYS	SAFETY METAL END SECTION			CONNECT TO STR.	CULVERT ASSET ID	REMARKS		
	STATION	LEFT	RIGHT	CROSS	OFFSET FT					SIZE IN.	PIPE TYPE	MIN FT	MAX FT										UP STREAM ELEV.	DOWN STREAM ELEV.	TYPE				SLOPE	EA.
100	960+17	X			81.8	15	1		N/A	0.8	0.8	781.50	781.48		75		6.5	1	1											
101	959+85		X		40	18	1		N/A	2.7	3.1	781.09	780.68		75		6.5	N/A											Jack and bore required	
102	968+00	X			40	15	1		N/A	3	3.5	778.64	777.34		75		6.5	N/A										Jack and bore required		
103	951+33	X			40	18	1		N/A	3	3.2	782.69	782.05		75		6.5	N/A										Jack and bore required		
104	952+70.12		X		67	36	1		N/A	1.9	2.6	783.10	782.40		75		6.5	1	76											
105	960+58	X			84	36	1		N/A	1.7	2.6	779.68	779.28		75		6.5	1	37											
106	951+25.5	X			5	15			N/A	1.1	1.1	782.73	782.69	2.33	785.06	75	6.5	1						107						
107	951+33	X			5				N/A					2.33	785.02	75	6.5	1												
108	959+77		X		0	15			N/A	1.1	1.1	781.13	781.09	2.36	783.49	75	6.5	1						109						
109	959+85.5		X		0				N/A					2.36	783.45	75	6.5	1												
110	967+92.5	X			5	15			N/A	0.9	0.9	778.68	778.64	2.10	780.78	75	6.5	1						111						
111	968+00	X			5				N/A					2.10	780.74	75	6.5	1												

PAVED SIDE DITCH, RIPRAP DITCH, AND SODDING SUMMARY TABLE

FROM STATION	TO STATION	PAVED SIDE DITCH			RIPRAP DITCH		SODDING										WATER							
		LEFT	MEDIAN	RIGHT	ACTUAL LENGTH	CUT OFF WALLS (8' EQUIVALENT LENGTH EACH)	LUGS (8' EQUIVALENT LENGTH EACH)	REVEINMENT	UNIFORM RIPRAP	GEOTEXTILES FOR RIPRAP TYPE 1A	FOR PAVED SIDE DITCHES	FOR DITCHES	FOR MEDIAN	FOR SHOULDER BREAK	SODDING AT BRIDGE CONE	TOTAL SODDING		NURSERY SODDING FOR LAWNS						
																			SYS	TONS	SYS	SYS	SYS	SYS
948+21	951+91			X	370			370	370			493												
954+00	954+53			X	53			53			71													
951+08	959+85		X		840						1120													
958+30	960+12	X			182						243													
959+48	960+18		X		70			70			93													
960+98	964+30		X		332			553			443													
962+00	968+50	X			650						867													
TOTALS								1046			1046													

CONCRETE CENTER CURB, TYPE B

LOCATION	SFT	SYS
SR 37 R-CUT	LT & RT	610
E 186TH ST	LT	282
E 186TH ST	RT	264
TOTALS		129

CONCRETE CURB & GUTTER, TYPE B

LOCATION	FT
South Turn Around	LT & RT
North Turn Around	LT & RT
TOTALS	168

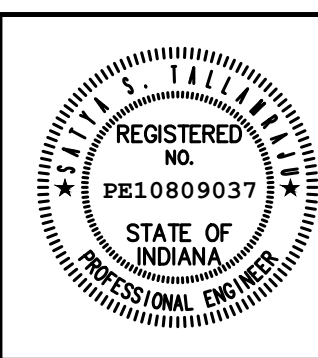
PCCP, 8 inch

LOCATION	SFT	SYS
South Turn Around	LT & RT	250
North Turn Around	LT & RT	282
TOTALS	532	59

Plot Date & Time: 6/26/2023 5:05:41 PM

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DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>E. E. Anderson</i>	06/26/23
DESIGN ENGINEER		DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA
	06/26/23	
CHECKED: SST	06/26/23	CHECKED: SST
	06/26/23	

INDIANA
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
APPROACH TABLE

SCALE	BRIDGE FILE
NTS	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	43 of 58
CONTRACT	PROJECT
R-41500	1702937

GUARDRAIL SUMMARY TABLE

LOCATION		MGS W-BEAM GUARDRAIL LENGTH					GUARDRAIL FLARE RATE	GUARDRAIL TRANSITION TYPE VH	GUARDRAIL TRANSITION TYPE	GUARDRAIL END TREATMENT TYPE OS	CURVED W-BEAM GUARDRAIL SYSTEM				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.	SHOP CURVED AT _____ FT. SPA.		TERMINAL SYSTEM		CONNECTOR SYSTEM		GUARDRAIL REMOVE	GUARDRAIL RESET	IMPACT ATTENUATOR TYPE	IMPACT ATTENUATOR TYPE
						LFT					LFT	LFT	LFT	LFT		TYPE	EACH	TYPE	EACH	LFT	LFT	EACH	EACH
947+25.00	951+75.00				X	450.00																	
951+87.25	959+99.75				X	812.50																	
959+99.75	186th Street				X						1		1										
186th Street	961+17.00				X								1										
961+17.00	961+85.75				X	68.75					1				50								
961+85.75	962+10.75				X						1												
TOTALS						1332.00					3		1		2		50						

SURFACE STABILIZATION

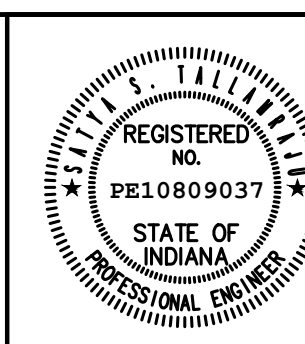
LOCATION			CADD MEASURED AREA	SEEDED AREA	SEED MIXTURE R	MULCHING MATERIAL (2 T/AC.)	FERTILIZER (800 LB/AC.)		
BEGIN STATION	END STATION	LEFT						MEDIAN	RIGHT
					205	2	800		
					LBS	TONS	TONS		
951+08	951+88		X		296.11	0.06	12.54	0.12	0.02
951+66	953+65			X	134.78	0.03	5.71	0.06	0.01
952+37	960+33		X		1932.44	0.40	81.85	0.80	0.16
958+30	960+40	X			563.00	0.12	23.85	0.23	0.05
959+30	960+40			X	197.78	0.04	8.38	0.08	0.02
960+75	961+21	X			97.00	0.02	4.11	0.04	0.01
960+85	968+88		X		1920.56	0.40	81.35	0.79	0.16
960+75	961+01			X	176.11	0.04	7.46	0.07	0.01
968+22	969+97	X			135.56	0.03	5.74	0.06	0.01
969+31	969+97		X		90.67	0.02	3.84	0.04	0.01
TOTALS					5,544.00	1.15	235.00	3.00	1.00

Pavement Markings

Pay Item	Quantity	Unit
PAVEMENT MESSAGE MARKING REMOVE	17.00	SYS
LINE, THERMO, SOLID, WHITE, 8 IN	1,879.00	LFT
LINE, REMOVE	3,300.00	LFT
LINE, THERMO, BROKEN, WHITE, 8 IN	1,708.00	LFT
PAVEMENT MSG MKG, THERMO, WORD YIELD	4.00	EACH
TRANSVERSE MAKRING, THERMO, YIELD LINE, WHITE, 24 IN.	100.00	LFT
GROOVING FOR PAVEMENT MARKINGS	10,151.00	LFT
LINE, THERMO, SOLID, WHITE, 6 IN	4,223.00	LFT
LINE, THERMO, SOLID, YELLOW, 6 IN	4,049.00	LFT
RANSVERSE MKG, THERMO, CROSSHATCH LINE, WHITE, 12 IN	400.00	LFT
TRANSVERSE MKG, THERMO, STOP LINE, WHITE, 24 IN	24.00	LFT
PAVEMENT MSG MKG, THERMO, LANE INDICATION ARROW	21.00	EACH
PAVEMENT MSG MKG, THERMO, ONLY	6.00	EACH
LINE, THERMO, BROKEN, YELLOW, 6 IN	897.00	LFT

Plot Date & Time: 6/26/2023 5:05:49 PM

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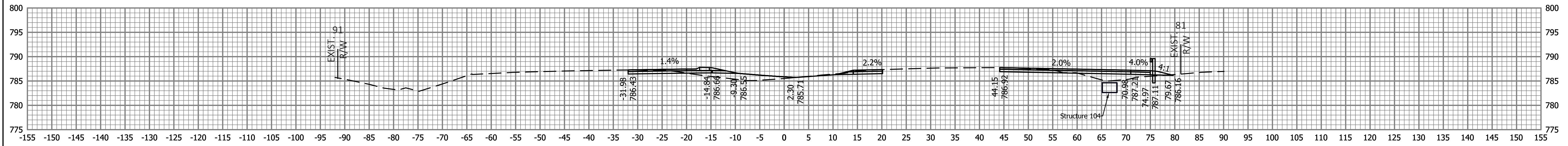


RECOMMENDED FOR APPROVAL	<i>T. S. Srinivas</i>	06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA 06/26/23
CHECKED: SST	06/26/23	CHECKED: SST 06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

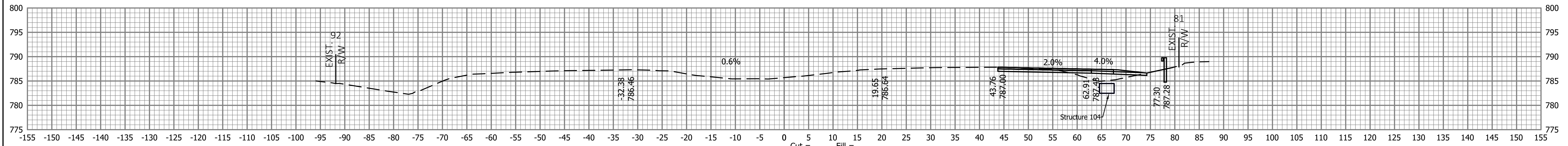
SUMMARY OF QUANTITIES

SCALE	BRIDGE FILE
NTS	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	44 of 58
CONTRACT	PROJECT
R-41500	1702937



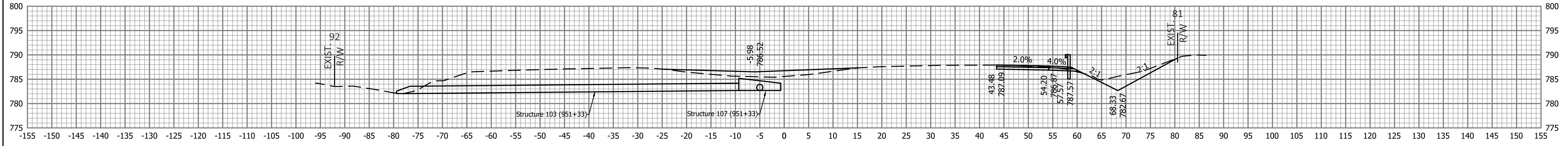
952+50

Cut = Fill =
 21.6 SFT 29.8 SFT
 40 CYS 55 CYS



952+00

Cut = Fill =
 26.4 SFT 33.6 SFT
 32 CYS 41 CYS



951+66.84

Cut = Fill =
 17.6 SFT 9.1 SFT
 38 CYS 20 CYS

BEGIN SOUTH LOON
 STA. 951+66.84, LINE "A"

Plot Date & Time: 6/26/2023 5:06:21 PM

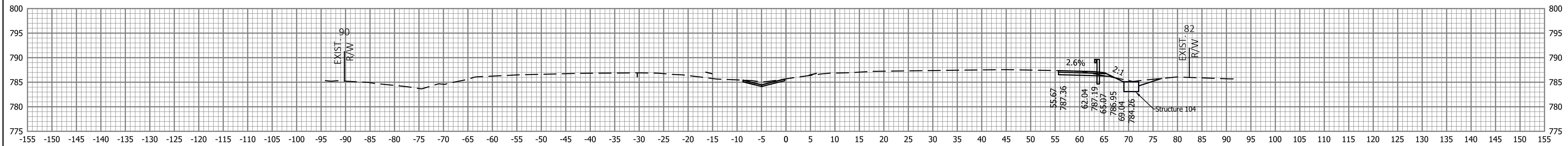
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA
		06/26/23
CHECKED: SST	06/26/23	CHECKED: SST
		06/26/23

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 STA 951+66.84 TO STA 952+50.00

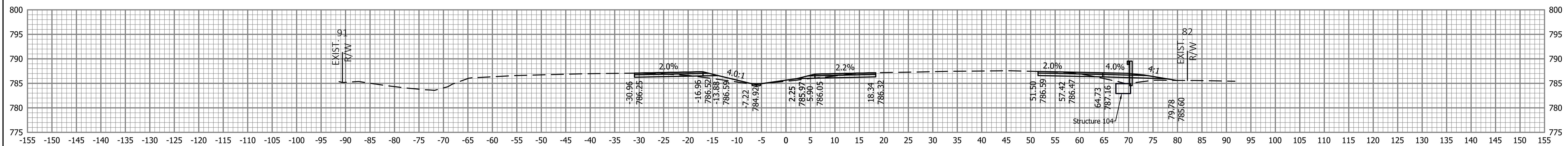
SCALE	BRIDGE FILE
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	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	46 of 58
CONTRACT	PROJECT
R-41500	1702937



954+00

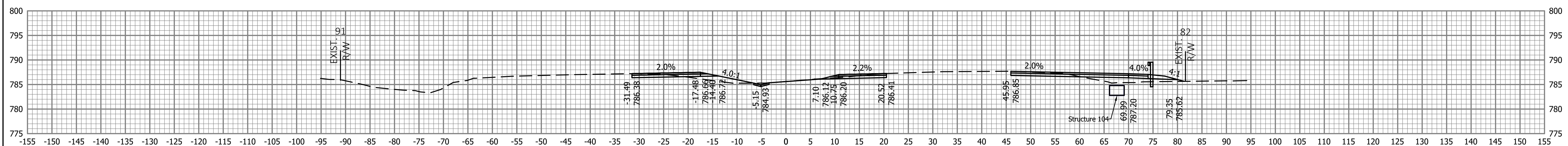
Cut = Fill =
 15.7 SFT 3.0 SFT
 29 CYS 6 CYS

END SOUTH LOON
 STA. 954+11.2, LINE "A"



953+50

Cut = Fill =
 20.5 SFT 14.5 SFT
 38 CYS 27 CYS



953+00

Cut = Fill =
 22.1 SFT 19.1 SFT
 41 CYS 35 CYS

Plot Date & Time: 6/26/2023 5:06:27 PM

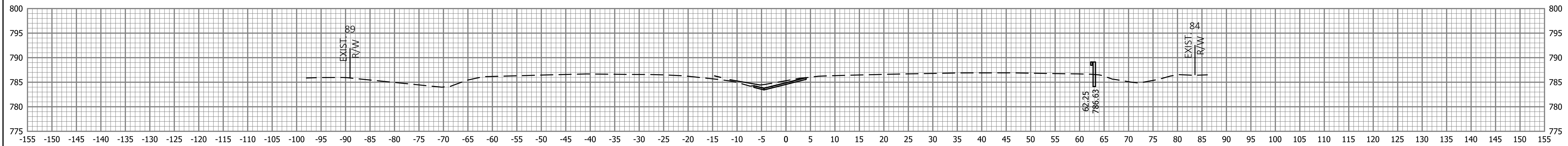
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA
		06/26/23
CHECKED: SST	06/26/23	CHECKED: SST
		06/26/23

INDIANA
 DEPARTMENT OF TRANSPORTATION

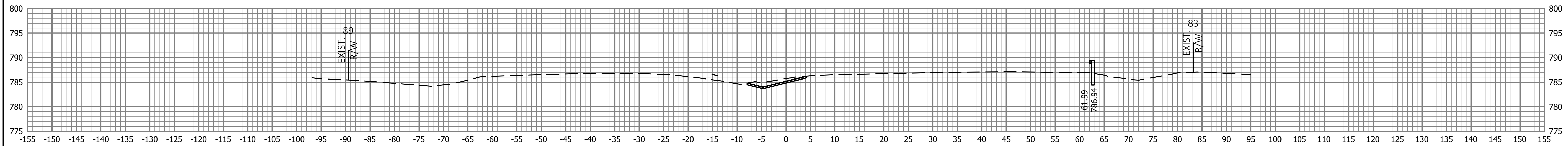
CROSS SECTIONS
 STA 953+00.00 TO STA 954+00.00

SCALE	BRIDGE FILE
1.0" = 10.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	47 of 58
CONTRACT	PROJECT
R-41500	1702937



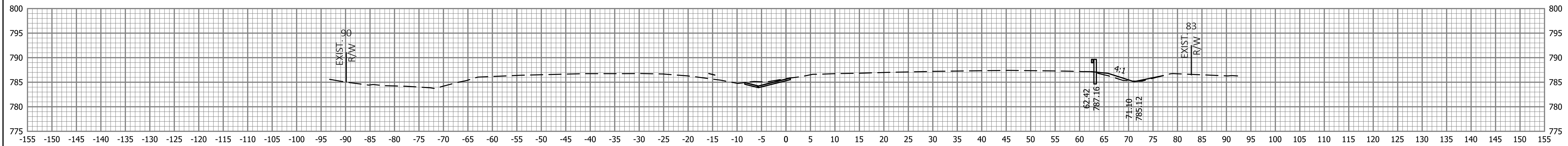
955+50

Cut = Fill =
 13.6 SFT 1.2 SFT
 25 CYS 2 CYS



955+00

Cut = Fill =
 13.2 SFT 4.0 SFT
 24 CYS 7 CYS



954+50

Cut = Fill =
 10.5 SFT 3.6 SFT
 19 CYS 7 CYS

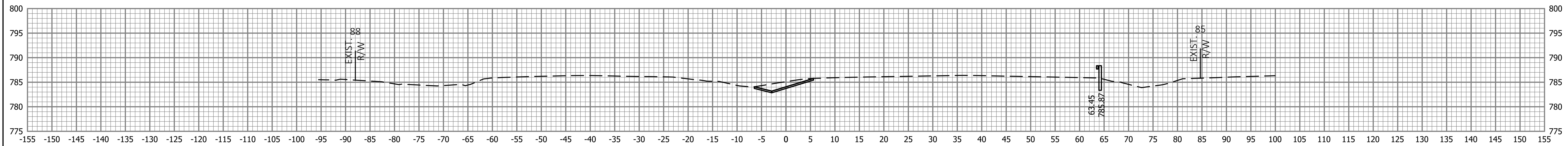
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		06/26/23
DESIGNED: EEA	DRAWN: EEA	DATE
		06/26/23
CHECKED: SST	CHECKED: SST	DATE
		06/26/23

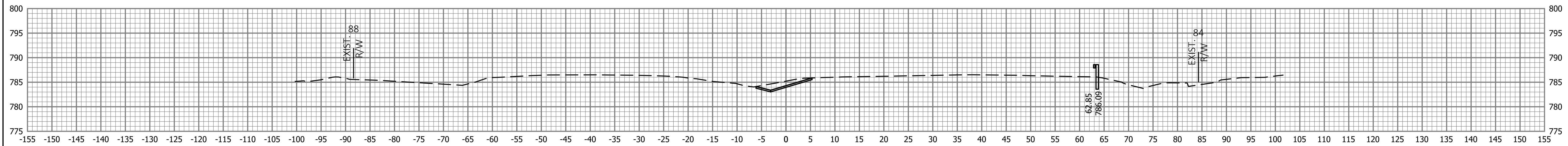
INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTIONS STA 954+50.00 TO STA 955+50.00	

SCALE	BRIDGE FILE
1.0" = 10.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	48 of 58
CONTRACT	PROJECT
R-41500	1702937



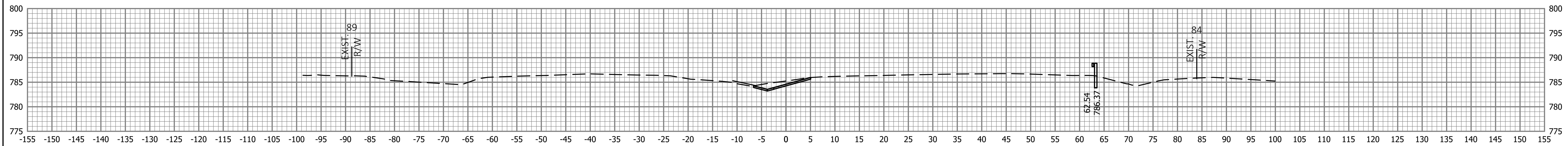
957+00

Cut = Fill =
 17.2 SFT 2.3 SFT
 32 CYS 4 CYS



956+50

Cut = Fill =
 15.4 SFT 2.6 SFT
 29 CYS 5 CYS

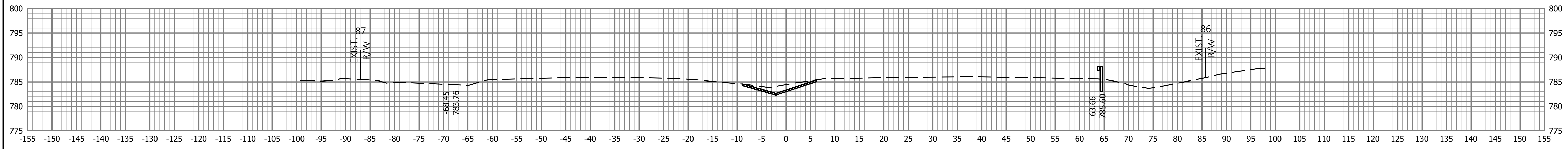


956+00

Cut = Fill =
 14.2 SFT 1.9 SFT
 26 CYS 4 CYS

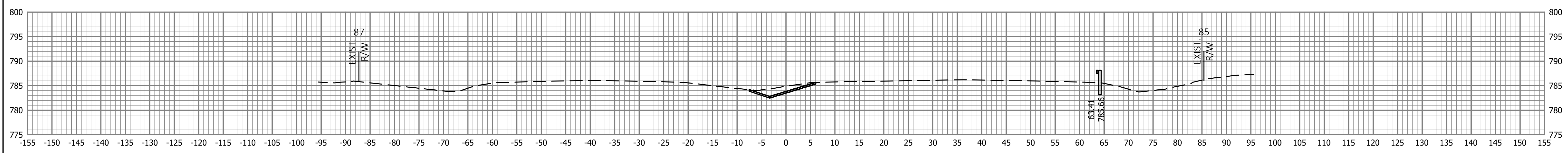
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		RECOMMENDED FOR APPROVAL _____ 06/26/23 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 1.0" = 10.0'	BRIDGE FILE N.A.	
		DESIGNED: EEA 06/26/23 DRAWN: EEA 06/26/23		CROSS SECTIONS STA 956+00.00 TO STA 957+00.00	SURVEY BOOK N.A.	SHEETS 49 of 58
		CHECKED: SST 06/26/23 CHECKED: SST 06/26/23		CONTRACT R-41500	PROJECT 1702937	



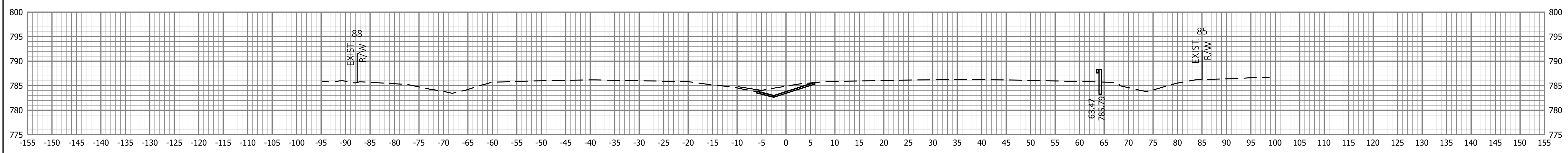
958+50

Cut = Fill =
 30.7 SFT 0.3 SFT
 57 CYS 1 CYS



958+00

Cut = Fill =
 18.6 SFT 0.8 SFT
 34 CYS 1 CYS



957+50

Cut = Fill =
 18.6 SFT 1.1 SFT
 34 CYS 2 CYS

Plot Date & Time: 6/26/2023 5:06:41 PM

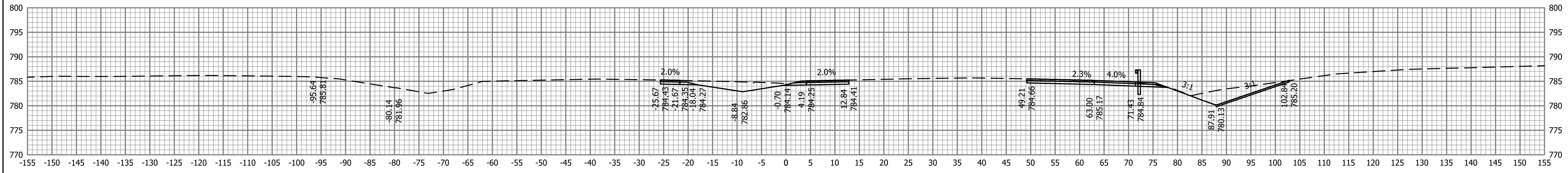
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA
		06/26/23
CHECKED: SST	06/26/23	CHECKED: SST
		06/26/23

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 STA 957+50.00 TO STA 958+50.00

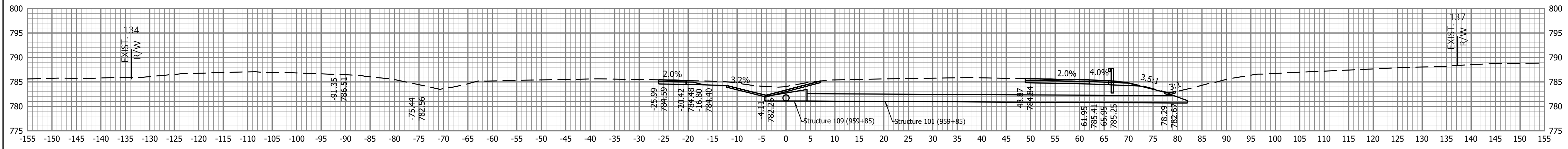
SCALE	BRIDGE FILE
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	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	50 of 58
CONTRACT	PROJECT
R-41500	1702937



Cut = Fill =
 108.4 SFT 8.0 SFT
 200 CYS 15 CYS

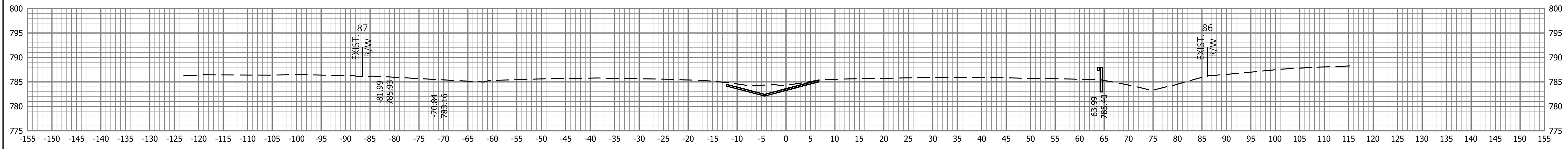
BEGIN MEDIAN CROSSOVER
 STA. 959+67.56, LINE "A"

960+00



Cut = Fill =
 83.2 SFT 1.1 SFT
 154 CYS 2 CYS

959+00



Cut = Fill =
 58.5 SFT 0.0 SFT
 108 CYS 0 CYS

959+00

Plot Date & Time: 6/26/2023 5:06:46 PM

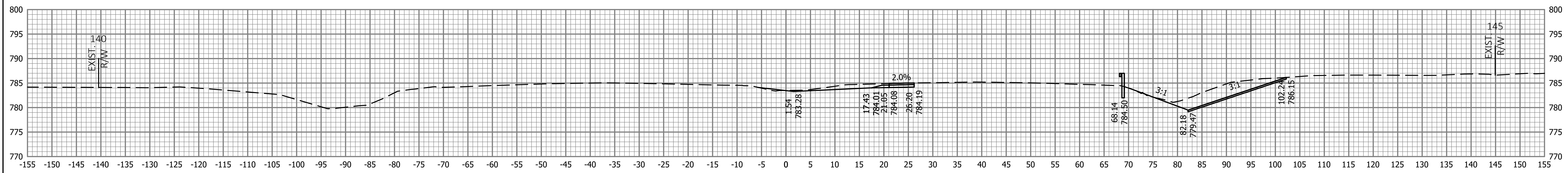
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA
		06/26/23
CHECKED: SST	06/26/23	CHECKED: SST
		06/26/23

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 STA 959+00.00 TO STA 960+00.00

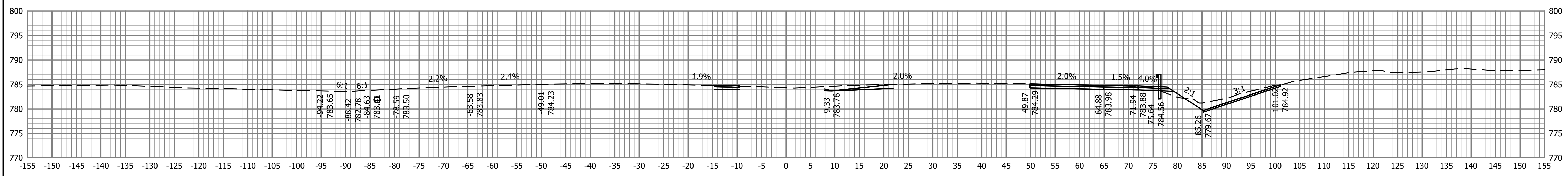
SCALE	BRIDGE FILE
1.0" = 10.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	51 of 58
CONTRACT	PROJECT
R-41500	1702937



Cut = Fill =
 58.7 SFT 0.0 SFT
 109 CYS 0 CYS

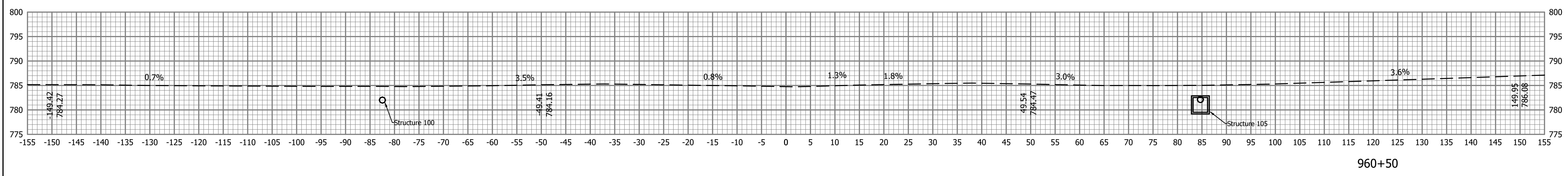
END MEDIAN CROSSOVER
 STA. 961+49.03, LINE "A"

961+50



Cut = Fill =
 106.1 SFT 4.0 SFT
 196 CYS 7 CYS

961+50



960+50

Plot Date & Time: 6/26/2023 5:06:51 PM

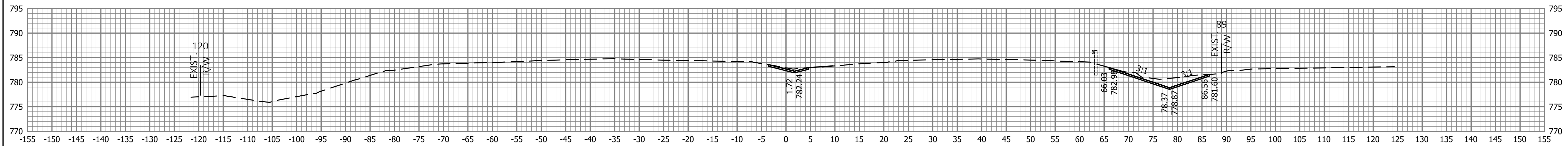
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA
		06/26/23
CHECKED: SST	06/26/23	CHECKED: SST
		06/26/23

INDIANA
 DEPARTMENT OF TRANSPORTATION

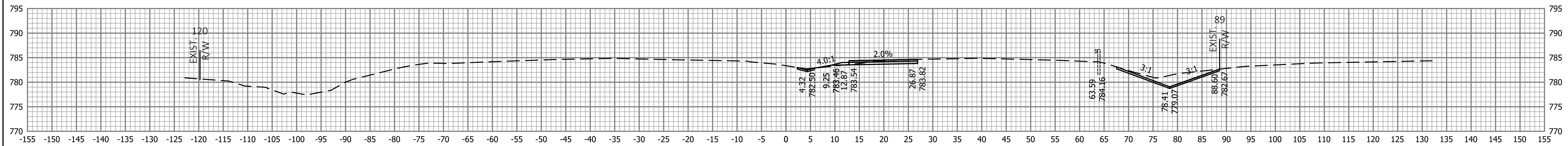
CROSS SECTIONS
 STA 960+50.00 TO STA 961+50.00

SCALE	BRIDGE FILE
1.0" = 10.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	52 of 58
CONTRACT	PROJECT
R-41500	1702937



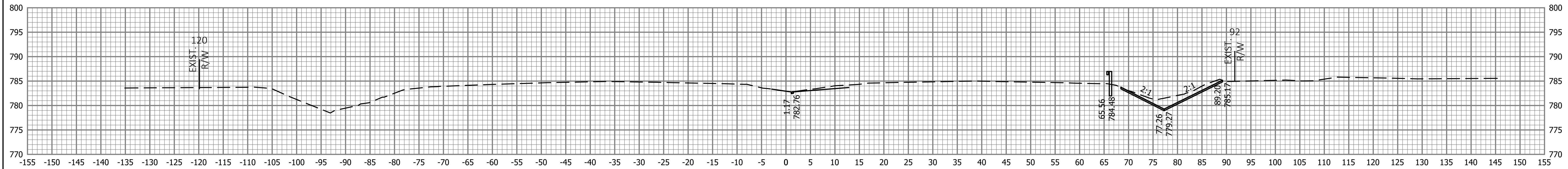
963+00

Cut = Fill =
 25.7 SFT 0.0 SFT
 48 CYS 0 CYS



962+50

Cut = Fill =
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 58 CYS 1 CYS



962+00

Cut = Fill =
 30.9 SFT 0.0 SFT
 57 CYS 0 CYS

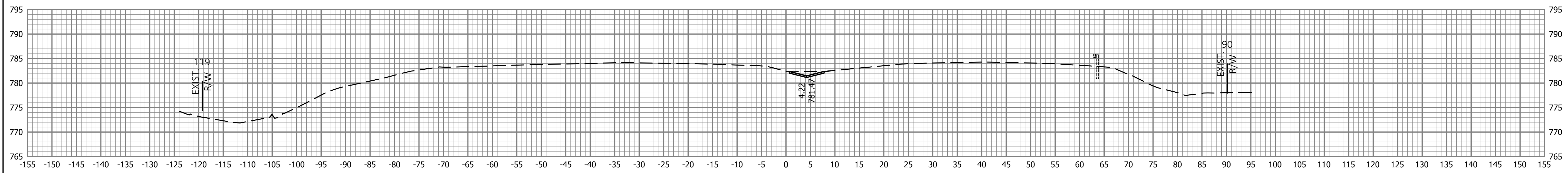
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		06/26/23
DESIGNED: EEA	DRAWN: EEA	DATE
		06/26/23
CHECKED: SST	CHECKED: SST	DATE
		06/26/23

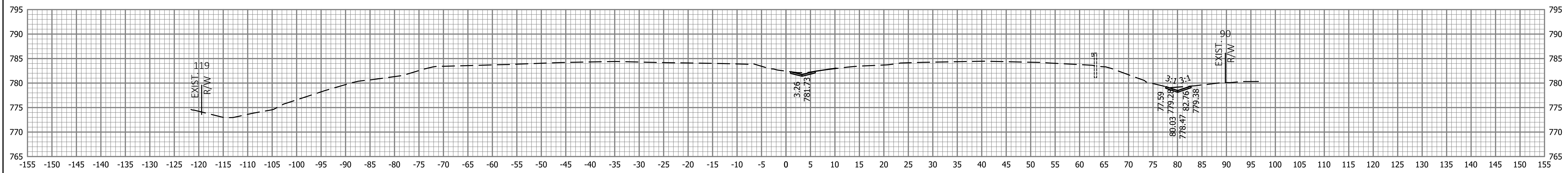
INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTIONS STA 962+00.00 TO STA 963+00.00	

SCALE	BRIDGE FILE
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	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	53 of 58
CONTRACT	PROJECT
R-41500	1702937



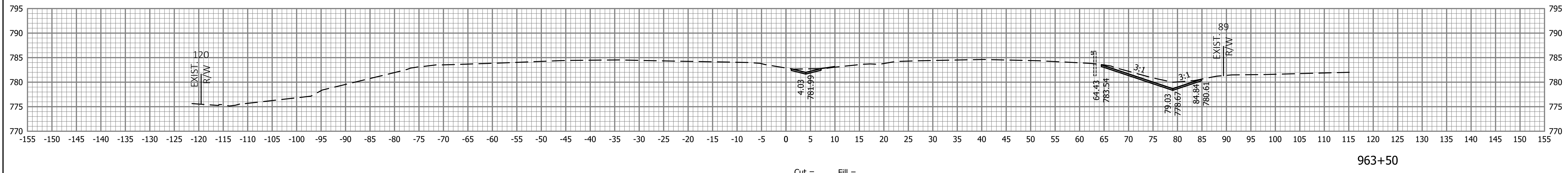
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 20 CYS
 Fill = 0.5 SFT
 1 CYS

964+50



Cut = 10.7 SFT
 20 CYS
 Fill = 0.0 SFT
 0 CYS

964+00



Cut = 23.2 SFT
 60 CYS
 Fill = 0.2 SFT
 0 CYS

963+50

Plot Date & Time: 6/26/2023 5:07:01 PM

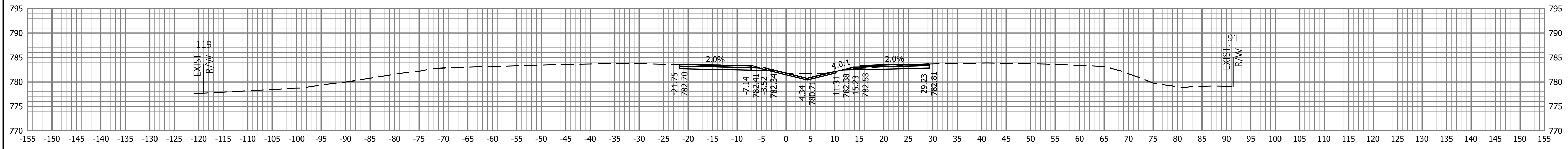
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA
		06/26/23
CHECKED: SST	06/26/23	CHECKED: SST
		06/26/23

INDIANA
 DEPARTMENT OF TRANSPORTATION

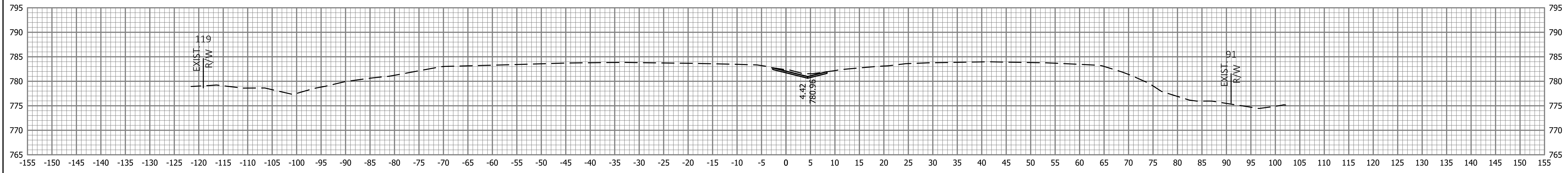
CROSS SECTIONS
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	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	54 of 58
CONTRACT	PROJECT
R-41500	1702937



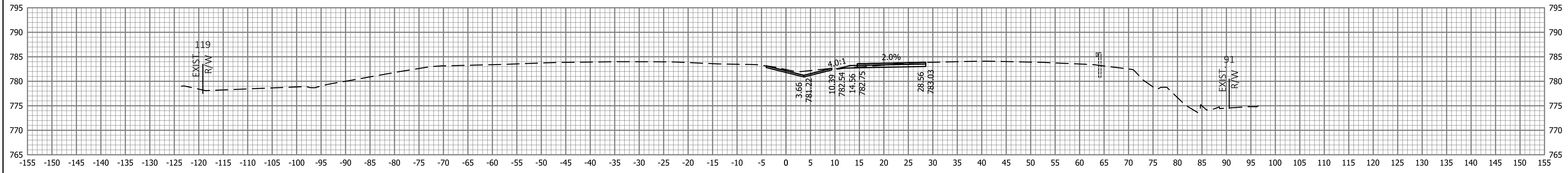
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 53 CYS 0 CYS

966+00



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 19 CYS 1 CYS

965+50



Cut = Fill =
 12.3 SFT 0.1 SFT
 23 CYS 0 CYS

965+00

Plot Date & Time: 6/26/2023 5:07:06 PM

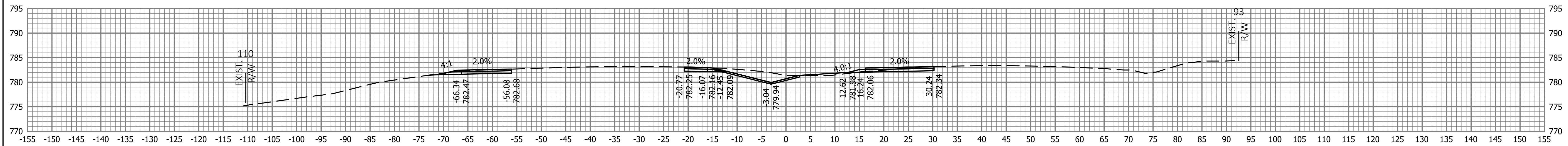
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA
		06/26/23
CHECKED: SST	06/26/23	CHECKED: SST
		06/26/23

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STA 965+00.00 TO STA 966+00.00

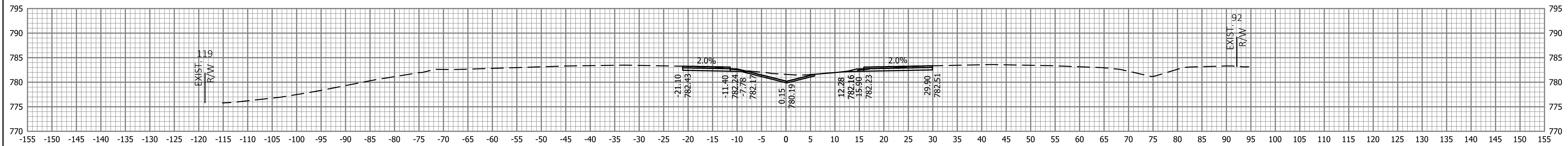
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1.0" = 10.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	55 of 58
CONTRACT	PROJECT
R-41500	1702937



967+50

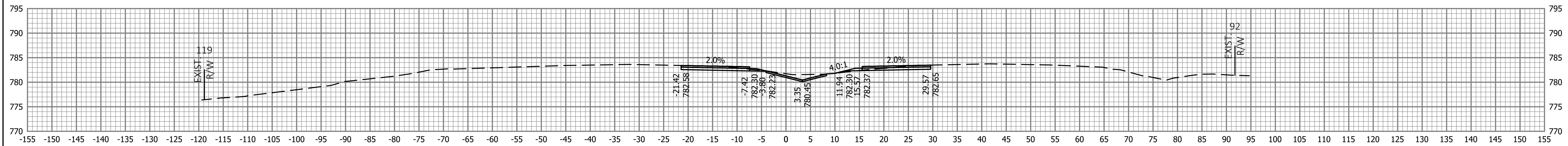
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 42.4 SFT 0.4 SFT
 79 CYS 1 CYS

BEGIN NORTH LOON
 STA. 967+10.21, LINE "A"



967+00

Cut = Fill =
 27.1 SFT 0.0 SFT
 50 CYS 0 CYS



966+50

Cut = Fill =
 24.4 SFT 0.6 SFT
 45 CYS 1 CYS

Plot Date & Time: 6/26/2023 5:07:11 PM

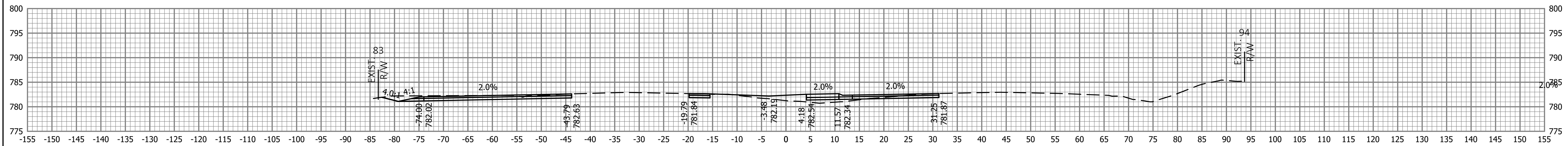
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	06/26/23	DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
 DEPARTMENT OF TRANSPORTATION

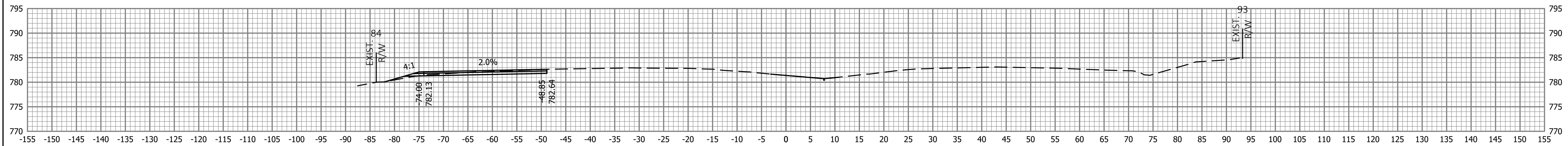
CROSS SECTIONS
 STA 966+50.00 TO STA 967+50.00

SCALE	BRIDGE FILE
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	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	56 of 58
CONTRACT	PROJECT
R-41500	1702937



Cut = 47.2 SFT
 Fill = 12.4 SFT
 88 CYS 22 CYS

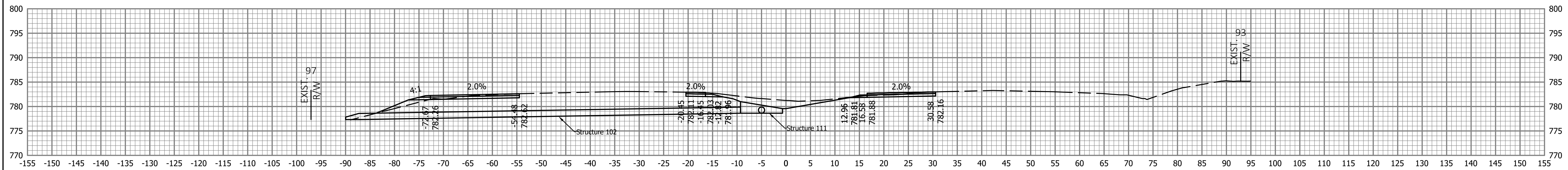
969+00



Cut = 28.6 SFT
 Fill = 1.1 SFT
 53 CYS 1 CYS

968+50

BEGIN NORTH LOON
 STA. 968+23.33, LINE "A"



Cut = 39.0 SFT
 Fill = 5.5 SFT
 72 CYS 10 CYS

968+00

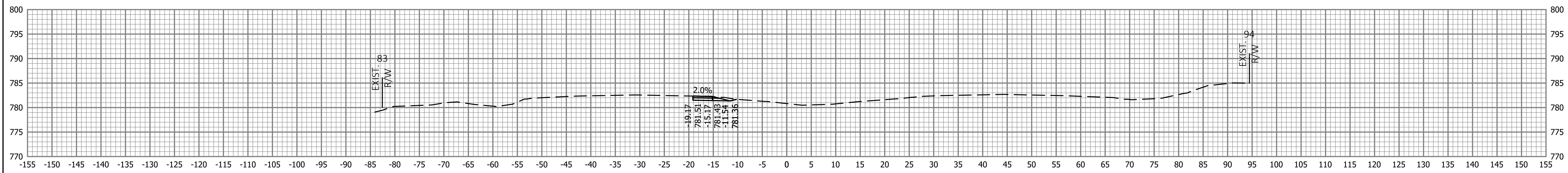
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		06/26/23
DESIGNED: EEA	06/26/23	DRAWN: EEA
		06/26/23
CHECKED: SST	06/26/23	CHECKED: SST
		06/26/23

INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTIONS STA 968+00.00 TO STA 969+00.00	

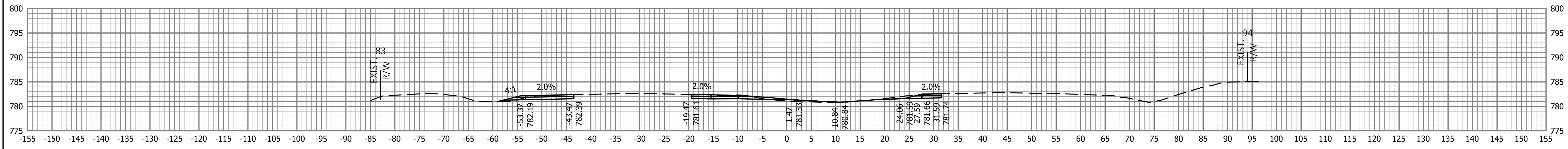
SCALE	BRIDGE FILE
1.0" = 10.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	57 of 58
CONTRACT	PROJECT
R-41500	1702937



Cut = Fill =
 13.4 SFT 2.2 SFT
 23 CYS 0 CYS

END SOUTH LOON
 STA. 969+96.39, LINE "A"

969+95.94



Cut = Fill =
 24.9 SFT 3.3 SFT
 46 CYS 0 CYS

969+50

Plot Date & Time: 6/26/2023 5:07:21 PM

X:\FJ\1\INDGR\14720115-final-dsgn\51-drawings\40-TransHwy\Civil 3D\SheetsPlan\Cross Sections.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	06/26/23	DATE
DESIGNED: EEA	06/26/23	DRAWN: EEA	06/26/23
CHECKED: SST	06/26/23	CHECKED: SST	06/26/23

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 STA 969+50.00 TO STA 969+95.04

SCALE	BRIDGE FILE
1.0" = 10.0'	N.A.
	DESIGNATION
	1700717
SURVEY BOOK	SHEETS
N.A.	58 of 58
CONTRACT	PROJECT
R-41500	1702937