

PROJECT	DESIGNATION
2002077	2002077
CONTRACT	BRIDGE FILE
B-43431	225-79-04016H

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
225-79-04016H	STEEL THROUGH TRUSS BRIDGE	4 SPANS: 158'-0" SKEW: 0°	WABASH RIVER	Q STRUCTURE 46+72.78 "X"

INDIANA DEPARTMENT OF TRANSPORTATION



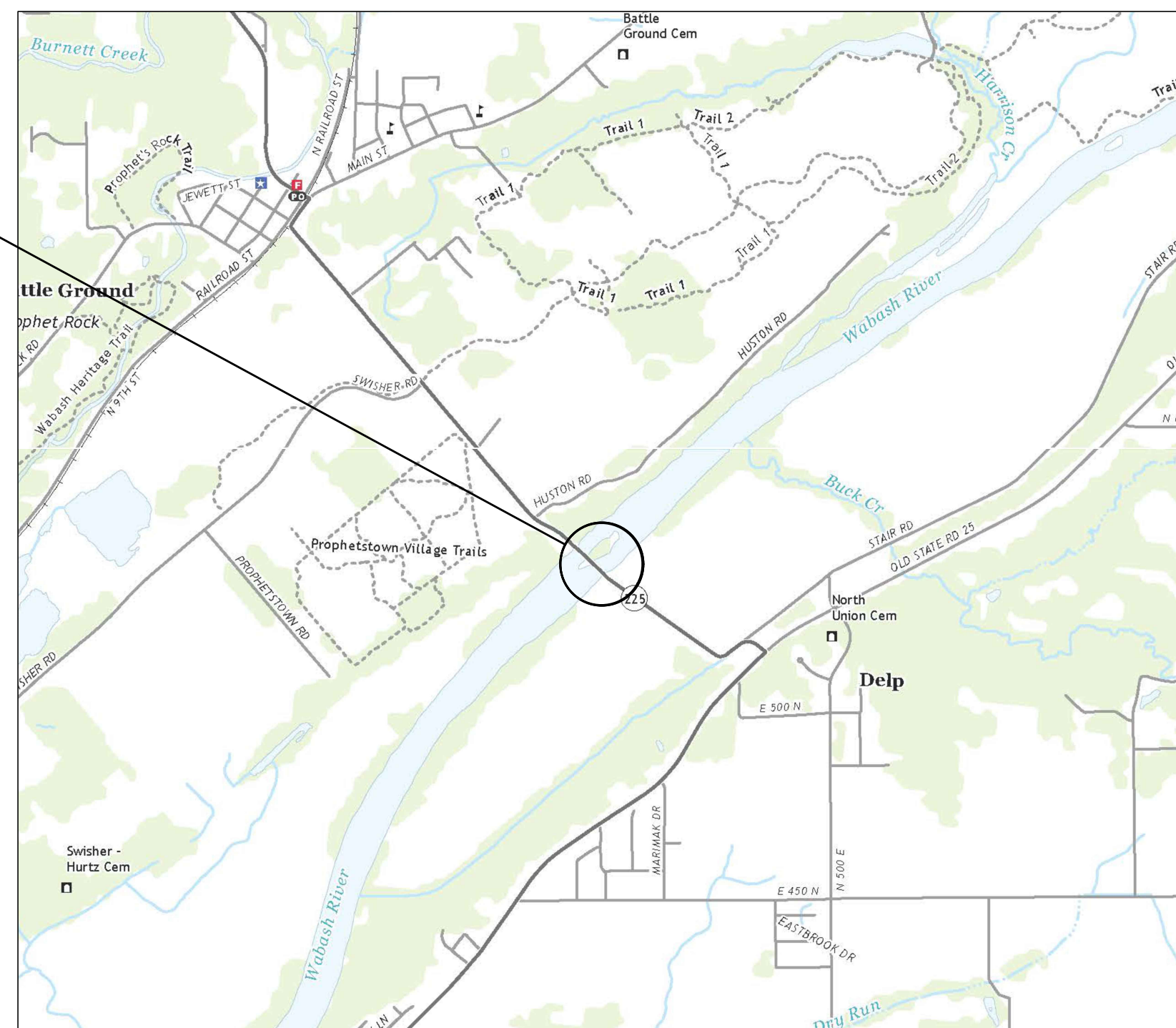
BRIDGE PLANS

FOR SPANS OVER 20 FEET
ROUTE: SR 225 AT: RP 0+59

PROJECT NO. 2002077 P.E.
2002077 R/W
2002077 CONST.

Bridge Rehabilitation on SR 225
Located 0.60 Miles North of Old SR 25 in
Section 25, T-24-N, R-4-W, & Brummetts Reserve, Section 6, T-24-N, R-4-W
Tippecanoe Township, Tippecanoe County, Indiana

PROJECT LOCATION
Begin Project-Sta.43+05.00 "X"
End Project-Sta.50+16.28 "X"



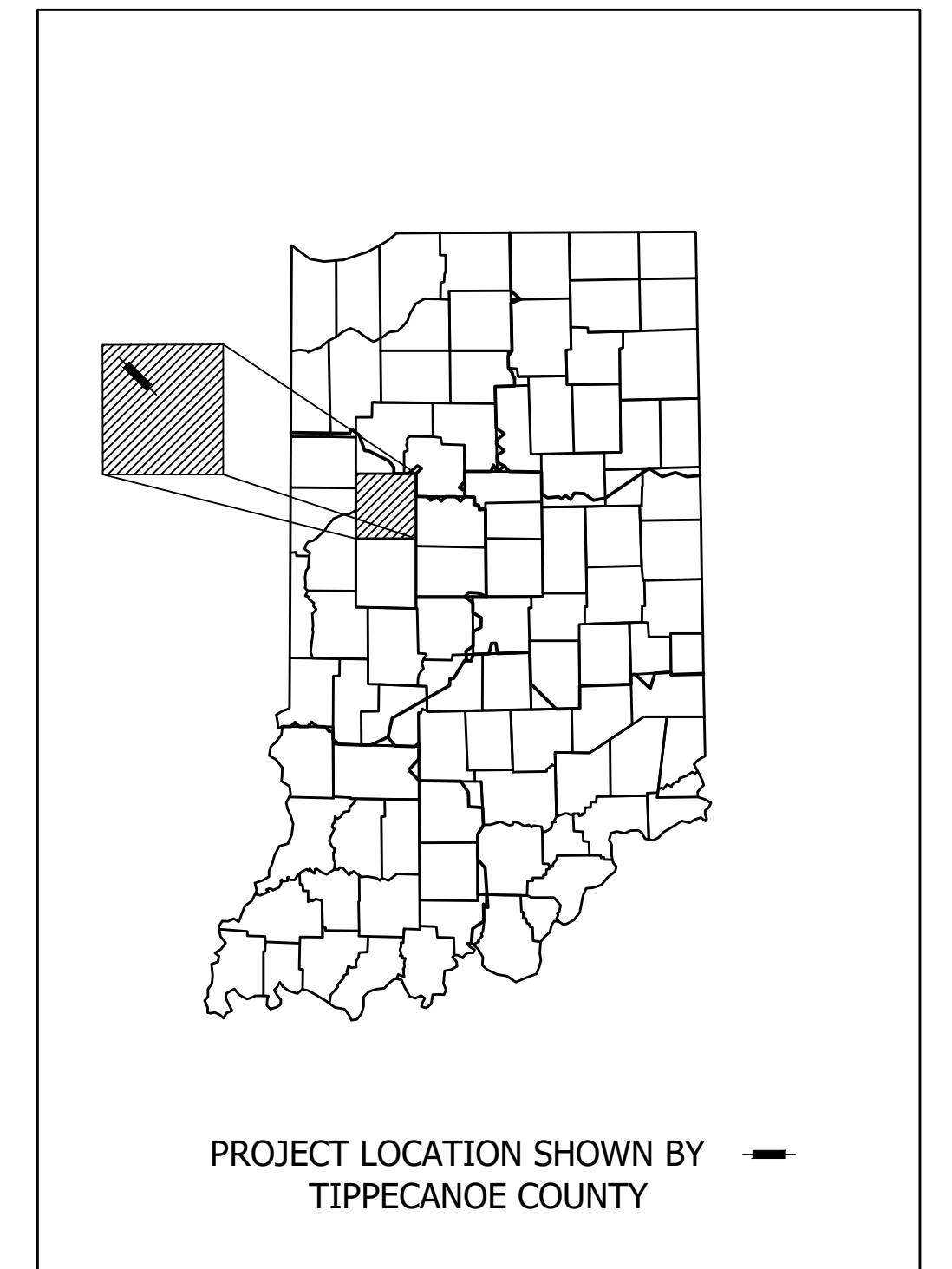
LOCATION MAP
SCALE: 1:24000

TRAFFIC DATA

A.A.D.T.	(2024)	1,190	V.P.D.
A.A.D.T.	(2044)	1,206	V.P.D.
D.H.V	(2044)	132	V.P.H.
DIRECTIONAL DISTRIBUTION		46.45	%
TRUCKS		19.09	% A.A.D.T.
		10.85	% D.H.V.

DESIGN DATA

DESIGN SPEED	30	M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION	RURAL COLLECTOR	
RURAL/URBAN	RURAL	
TERRAIN	LEVEL	
ACCESS CONTROL	NONE	



LATITUDE: 40°29'44.07" N LONGITUDE: 86°49'23.97" W

BRIDGE LENGTH: 0.122 MI.
ROADWAY LENGTH: 0.013 MI.
TOTAL LENGTH: 0.135 MI.
MAX. GRADE: 1.80 %

HUC 12: 051201050603
HUC 14: 05120105070030

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY:



PLANS PREPARED BY: BEAM, LONGEST & NEFF, LLC (317)849-5832 PHONE NUMBER

CERTIFIED BY: _____ DATE

APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE	
225-79-04016H	
DESIGNATION	
2002077	
DRAWING NO.	SHEETS
1	of 41
CONTRACT	PROJECT
B-43431	2002077

UTILITIES

TIPMONT - Electric
P.O. Box 20
Linton, IN 47955
Attn: Joe Kline
Ph: 765-426-6170
Email: jkline@tipmont.org

TIPMONT - Fiber
P.O. Box 20
Linton, IN 47955
Attn: Joe Kline
Ph: 765-426-6170
Email: jkline@tipmont.org

VECTREN
16000 Allisonville Road
Noblesville, IN 46061
Attn: Steve Neal
Ph: 765-449-5673
Email: Steven.Neal@centerpointenergy.com



REVISIONS

SHEET NO.	DATE	REVISED

INDEX

SHEET NO.	SHEET DESIGNATION	SUBJECT
1		TITLE SHEET
2		INDEX
3		TYPICAL SECTIONS
4		MAINTENANCE OF TRAFFIC
5 - 6		PLAN AND PROFILE - LINE "X"
7 - 8		CONSTRUCTION LAYOUT DETAILS
9	S1	LAYOUT - LINE "X"
10 - 14	S2 - S6	GENERAL PLAN
15 - 18	S7 - S10	TRUSS REPAIR DETAILS
19	S11	FLOOR BEAMS DETAILS
20	S12	LATERAL BRACING DETAILS
21		BRIDGE SUMMARY OF QUANTITIES
22		ROAD SUMMARY OF QUANTITIES
23 - 41		CROSS SECTIONS - LINE "X"

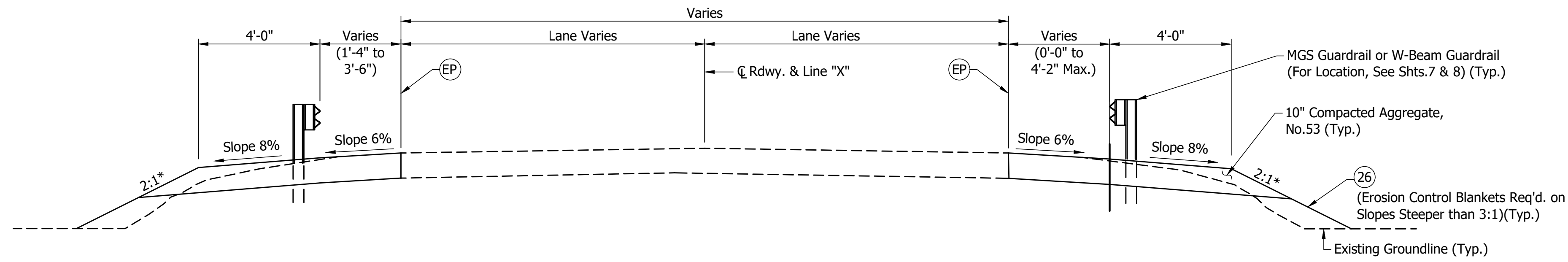
INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	N/A	225-79-04016H
	VERTICAL SCALE	DESIGNATION
	N/A	2002077
INDEX	DRAWING NO.	SHEETS
		2 of 41
	CONTRACT	PROJECT
	B-43431	2002077

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

LEGEND

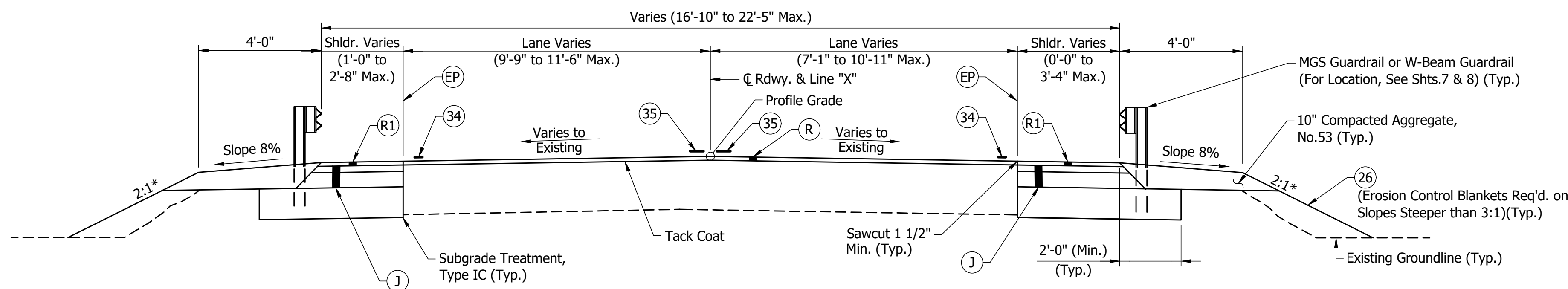
- (26) Mulched Seeding, R:
Apply to Areas above El. 555.20
Seed Mixture Floodplain:
Apply to Areas below El. 555.20
- (34) Line, Paint, Solid, White, 6 in.
- (35) Line, Paint, Solid, Yellow, 6 in.
- (J) Widening with HMA, Type B
(275 lb/syd, HMA Intermediate, Type B on
660 lb/syd, HMA Base, Type B
(Tack Coat between HMA Layers)
- (K) 165 lb/syd, QC/QA-HMA, 3, 64, Surface, 9.5 mm on
275 lb/syd, QC/QA-HMA, 3, 64, Intermediate, 19.0 mm or
660 lb/syd, QC/QA-HMA, 3, 64, Base, 25.0 mm
(Tack Coat between HMA Layers)
- (R) 165 lb/syd, QC/QA-HMA, 3, 64, Surface, 9.5 mm on
Transition Milling, 1.5 in.
After Milling, seal visible cracks 0.25 in. wide or wider, be
applying tack coat, with PG 64-22 only. No Emulsion shall
used. The sealed cracks shall not be overbonded.
- (R1) 165 lb/syd, QC/QA-HMA, 3, 64, Surface, 9.5 mm on
Widening with HMA, Type B
- (EP) Existing Edge of Pavement

* See Cross-Sections for Slope



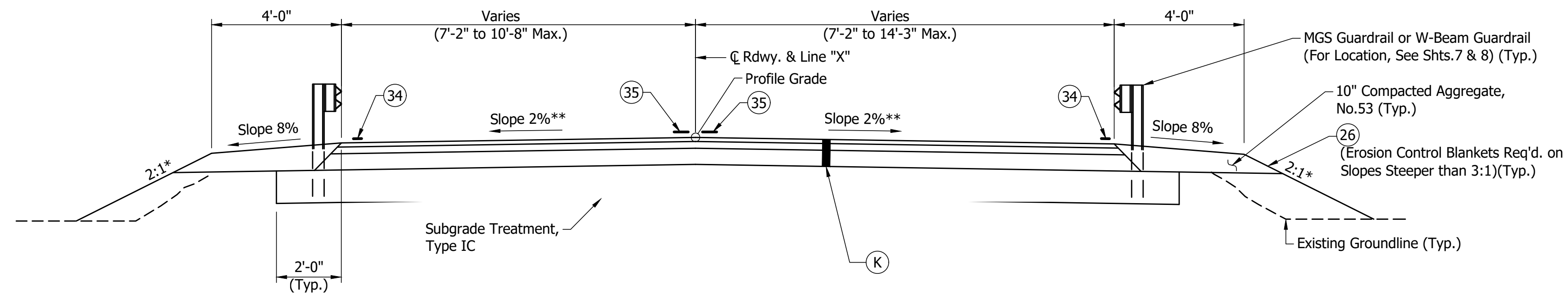
TYPICAL SECTION THROUGH SHOULDER REPLACEMENT

STA.40+00.00 "X" to STA.42+05.00 "X"
STA.51+00.00 "X" to STA.53+15.00 "X"
Scale: 3/8" = 1'-0"



TYPICAL SECTION THROUGH RESURFACE

STA.42+05.00 "X" to STA.43+05.00 "X"
Scale: 3/8" = 1'-0"



TYPICAL SECTION THROUGH FULL DEPTH PAVEMENT

STA.43+05.00 "X" to STA.43+29.28 "X"
STA.50+16.28 "X" to STA.51+00.00 "X"
Scale: 3/8" = 1'-0"

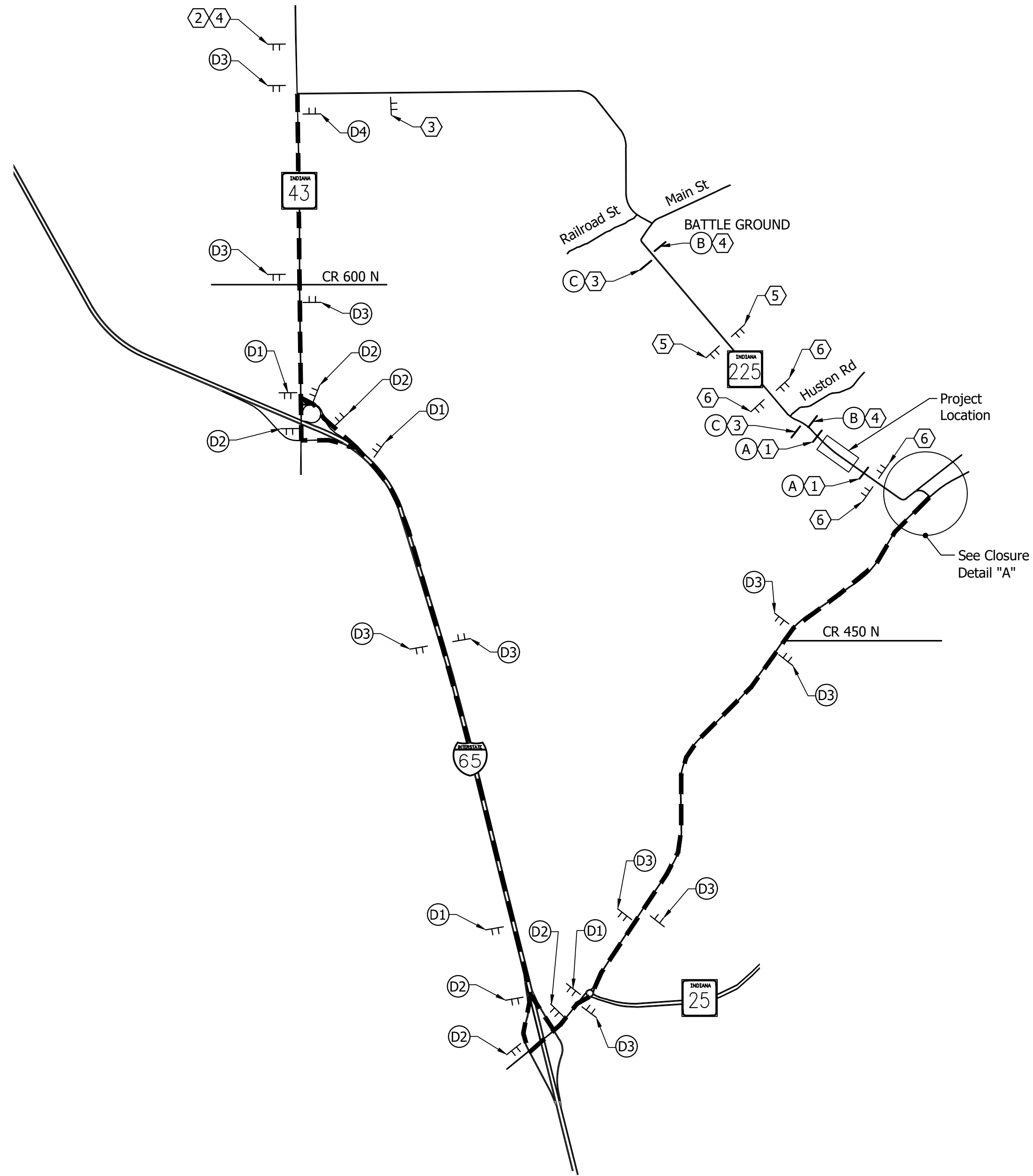
** Varies from 2% to Existing from Sta. 50+16.28 "X" to Sta. 51+00.00 "X"

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

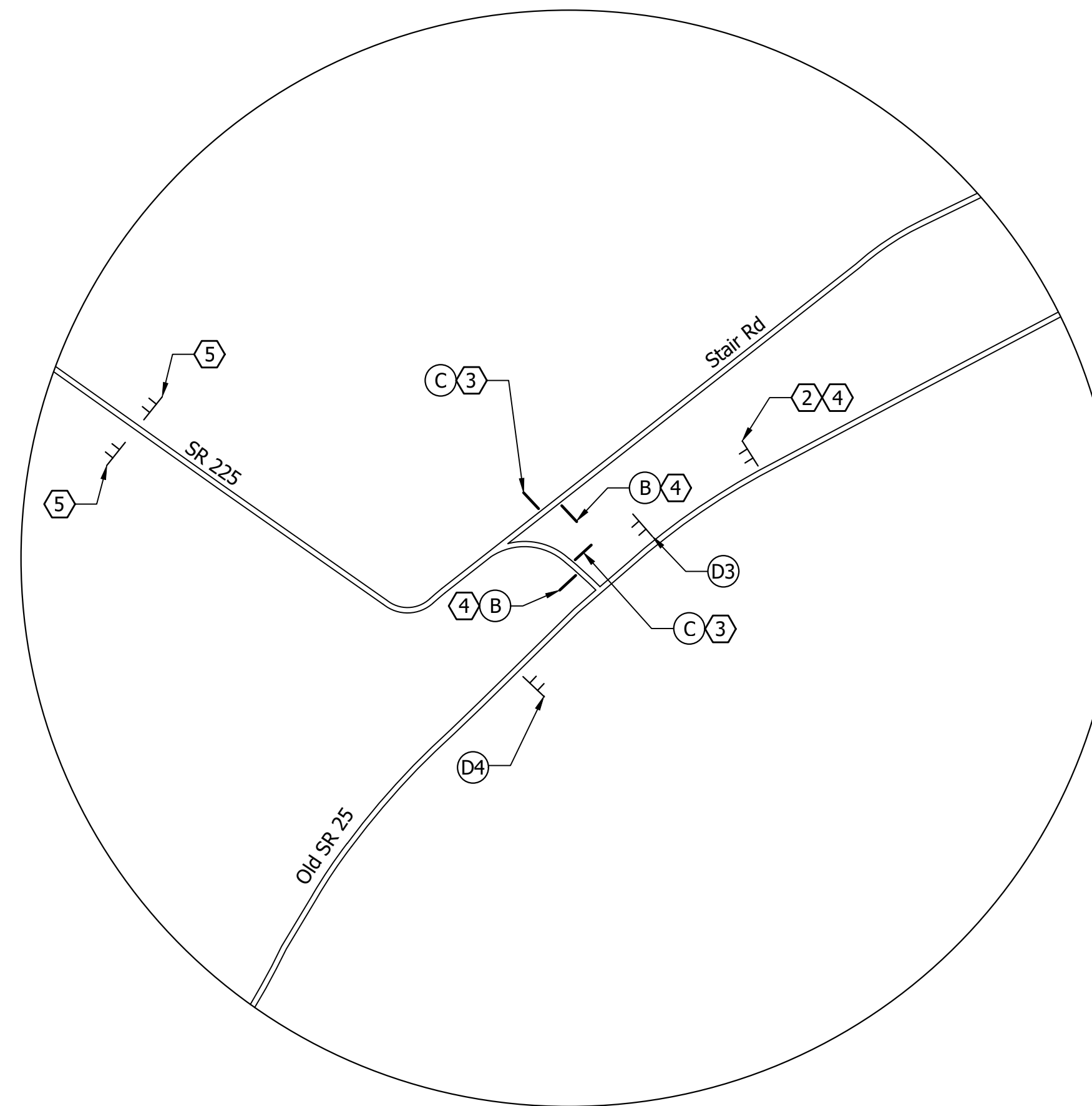
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

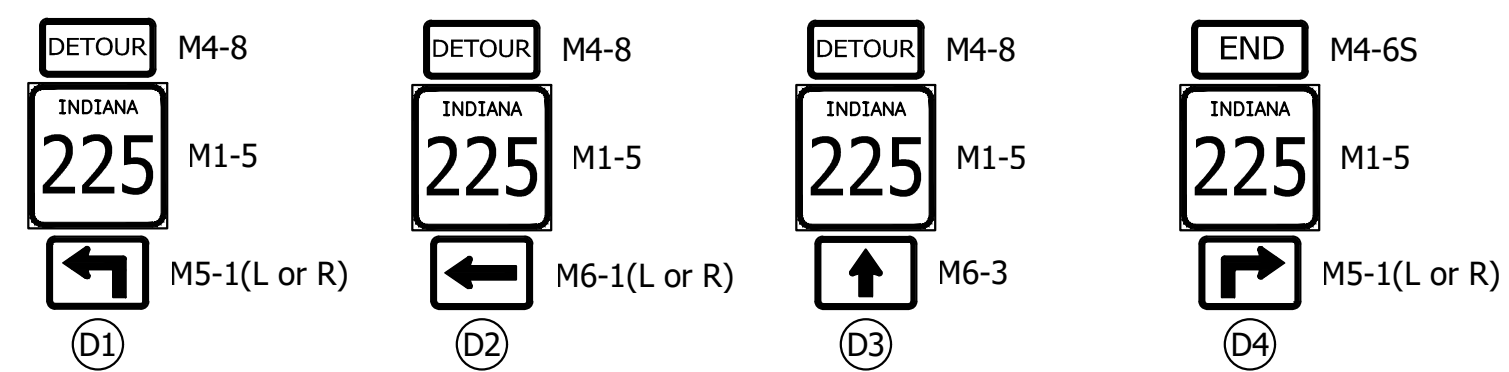
HORIZONTAL SCALE 3/8" = 1'-0"	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 3/8" = 1'-0"	DESIGNATION 2002077
DRAWING NO.	SHEETS
	3 of 41
CONTRACT B-43431	PROJECT 2002077



DETOUR ROUTE MAP
No Scale



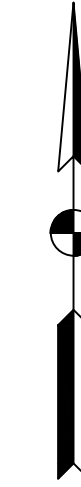
CLOSURE DETAIL "A"
No Scale



DETOUR ROUTE MARKER ASSEMBLIES
No Scale

LEGEND

- (A) Barricade Type III-A & Road Closure Sign Assembly
 - (B) Barricade Type III-B
 - (C) Barricade Type III-B & Road Closure Sign Assembly
 - (D) Detour Route Marker Assembly
 1. Advance Turn
 2. Directional
 3. Confirming
 4. End
- ⊥ Construction Sign and Support



CONSTRUCTION SIGNS TYPE "A"

- ① R11-2 Road Closed
- ② XW20-2 Detour Ahead
- ③ R11-4 Road Closed to Thru Traffic
- ④ XG20-5 SR 225 Closed on or After xx/xx/xxxx
- ⑤ XW20-3 Road Closed Ahead
- ⑥ XW20-3 Road Closed 500 Feet

NOTES:
All signs, lights and barricades shall be in accordance with current INDOT Standards and the Manual on Uniform Traffic Control Devices.

All XG20-5 shall be installed a minimum of 14 days prior to closing road.

MAINTENANCE OF TRAFFIC QUANTITIES

ITEM	QUANTITY
Barricade Type III-A	XX Lft.
Barricade Type III-B	XX Lft.
Road Closure Sign Assembly	XX Ea.
Construction Signs Type "A"	XX Ea.
Detour Route Marker Assembly	XX Ea.

NOTE TO REVIEWER:

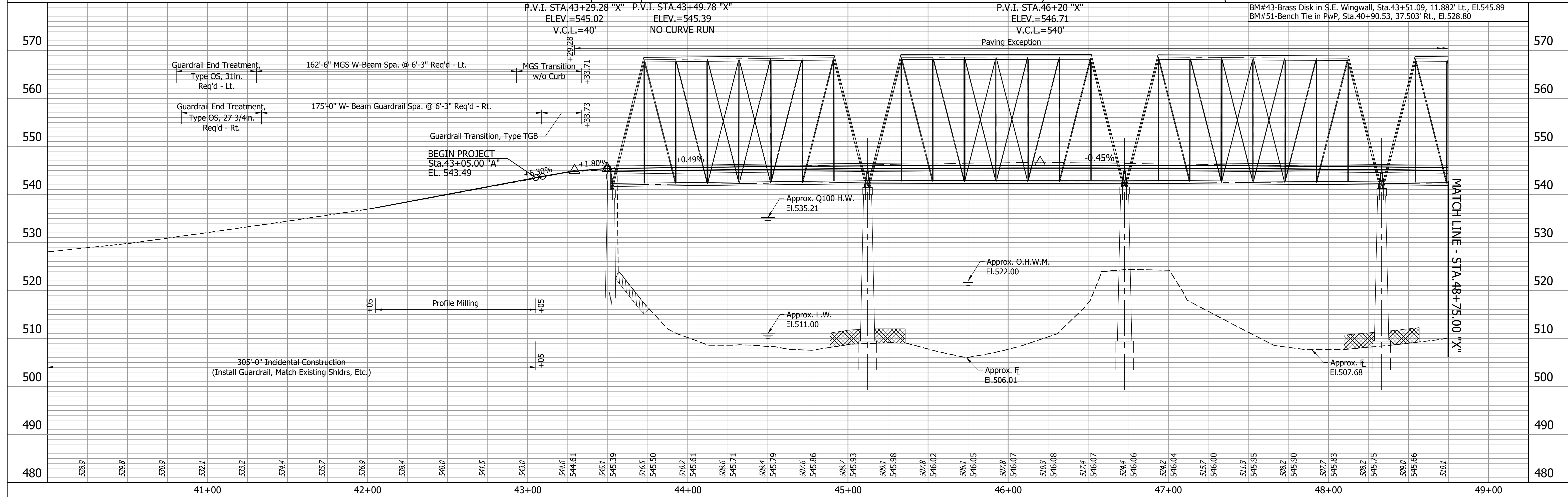
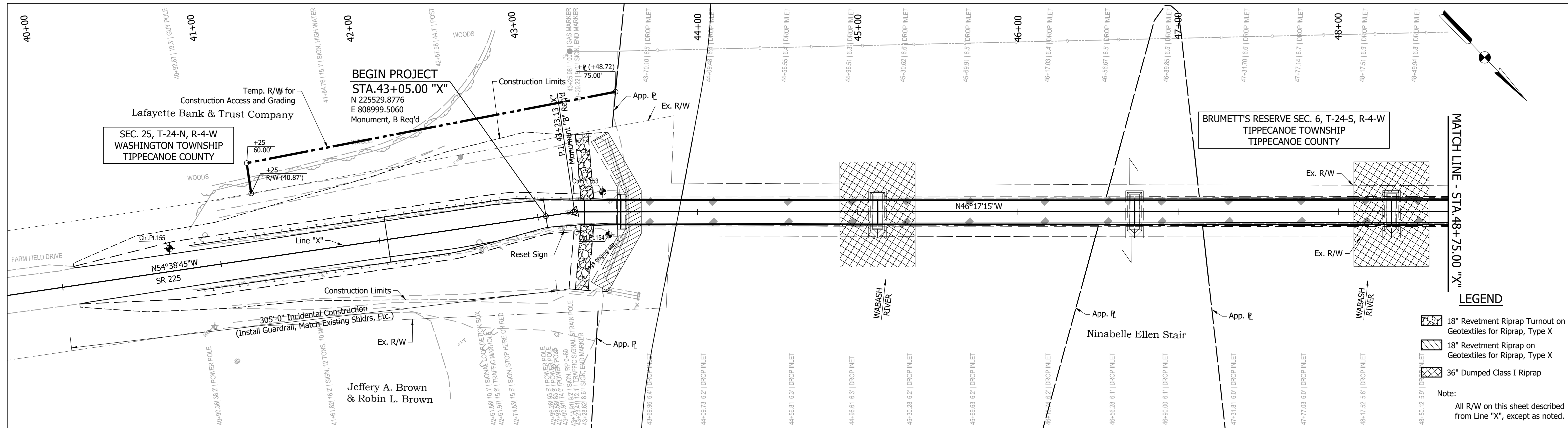
Quantities to be completed at Stage 3.

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

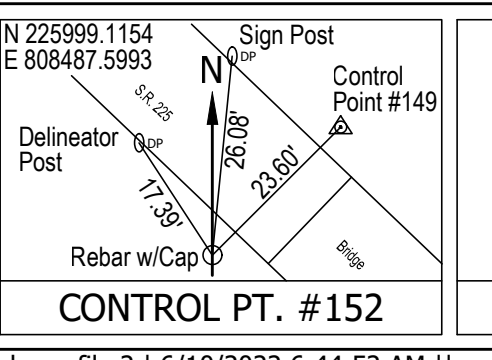
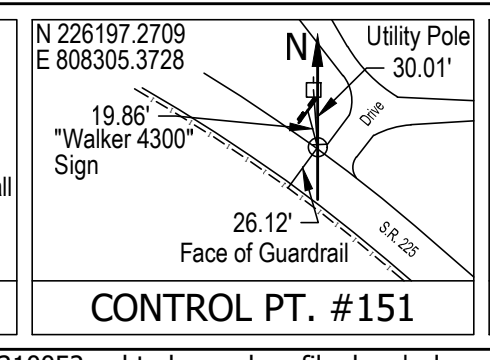
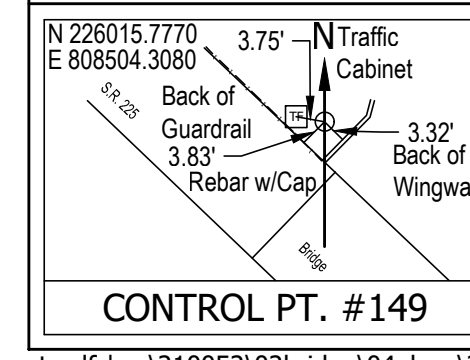
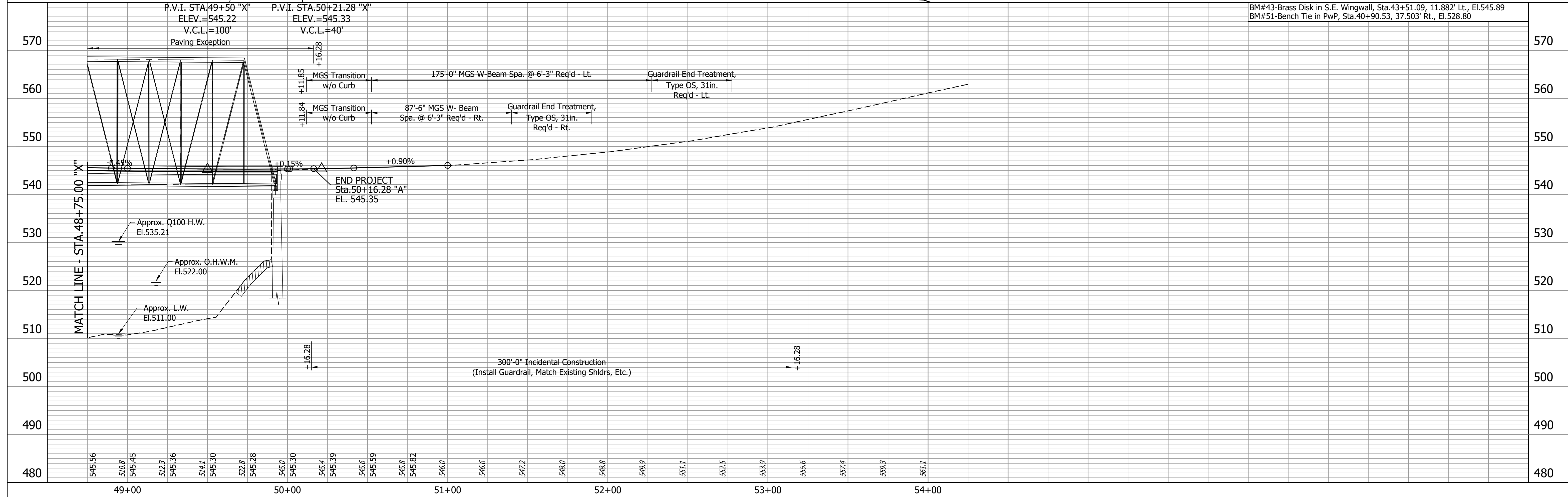
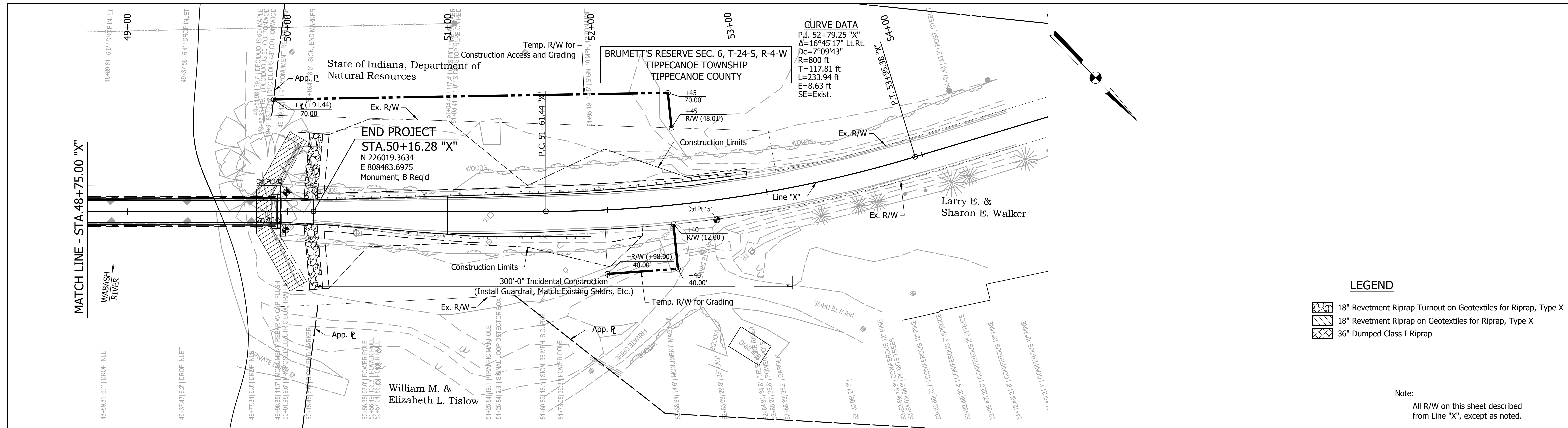
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

HORIZONTAL SCALE	BRIDGE FILE
N/A	225-79-04016H
VERTICAL SCALE	DESIGNATION
N/A	2002077
DRAWING NO.	SHEETS
	4 of 41
CONTRACT	PROJECT
B-43431	2002077



N 225543.4629 E 808963.3839 Control Point #154 Delineator Post Benchmark "TIPP 43" Rebar w/Cap CONTROL PT. #153	N 225563.4864 E 808979.1646 Control Point #154 Delineator Post Benchmark "TIPP 43" Rebar w/Cap CONTROL PT. #154	N 225382.0308 E 809183.3761 S.W. Edge of Guardrail Post S.E. Edge of Guardrail Post Rebar w/Cap CONTROL PT. #155	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: TSW CHECKED: LLS	DRAWN: MEN CHECKED: TSW	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE LINE "X"	HORIZONTAL SCALE 1" = 30' VERTICAL SCALE 1" = 10' DRAWING NO. _____ CONTRACT B-43431	BRIDGE FILE 225-79-04016H DESIGNATION 2002077 SHEETS 5 of 41 PROJECT 2002077
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N 226015.7770 E 808504.3080	N 226197.2709 E 808305.3728	N 225999.1154 E 808487.5993	
3.75' Traffic Cabinet	30.01' Utility Pole	17.39' Sign Post	
3.32' Back of Guardrail	19.86' Walker 43000 Sign	26.08' Control Point #149	
3.83' Back of Wingwall	26.12' Face of Guardrail		

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TSW	DRAWN: MEN	
CHECKED: LLS	CHECKED: TSW	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "X"

HORIZONTAL SCALE 1"=30'	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1"=10'	DESIGNATION 2002077
DRAWING NO.	SHEETS 6 of 41
CONTRACT B-43431	PROJECT 2002077

40+00

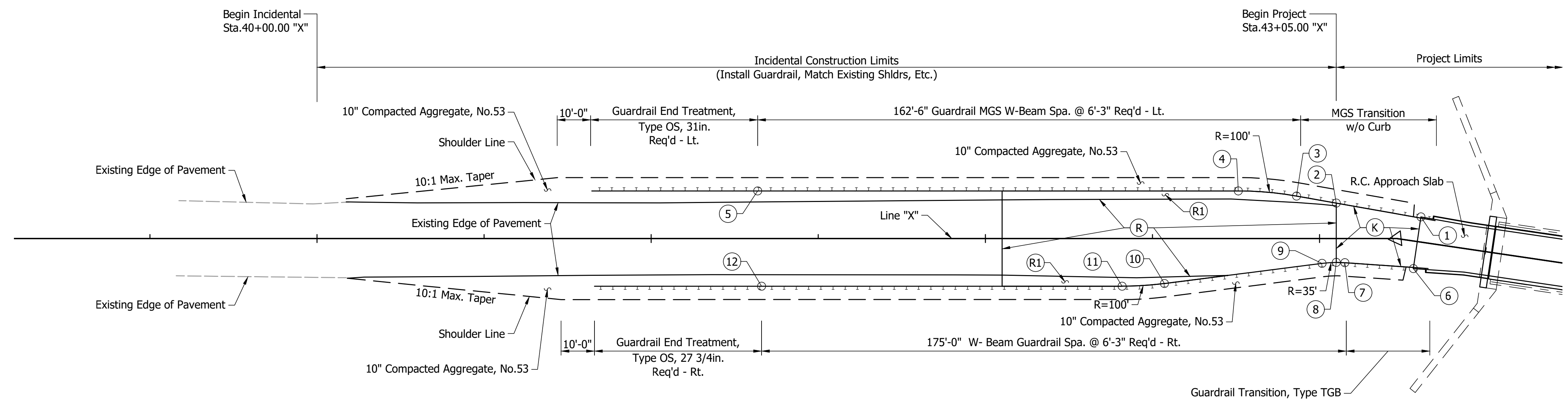
41+00

42+00

43+00

LEGEND

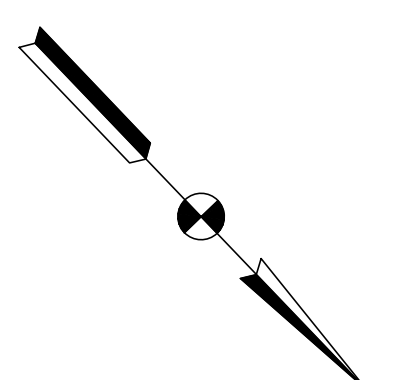
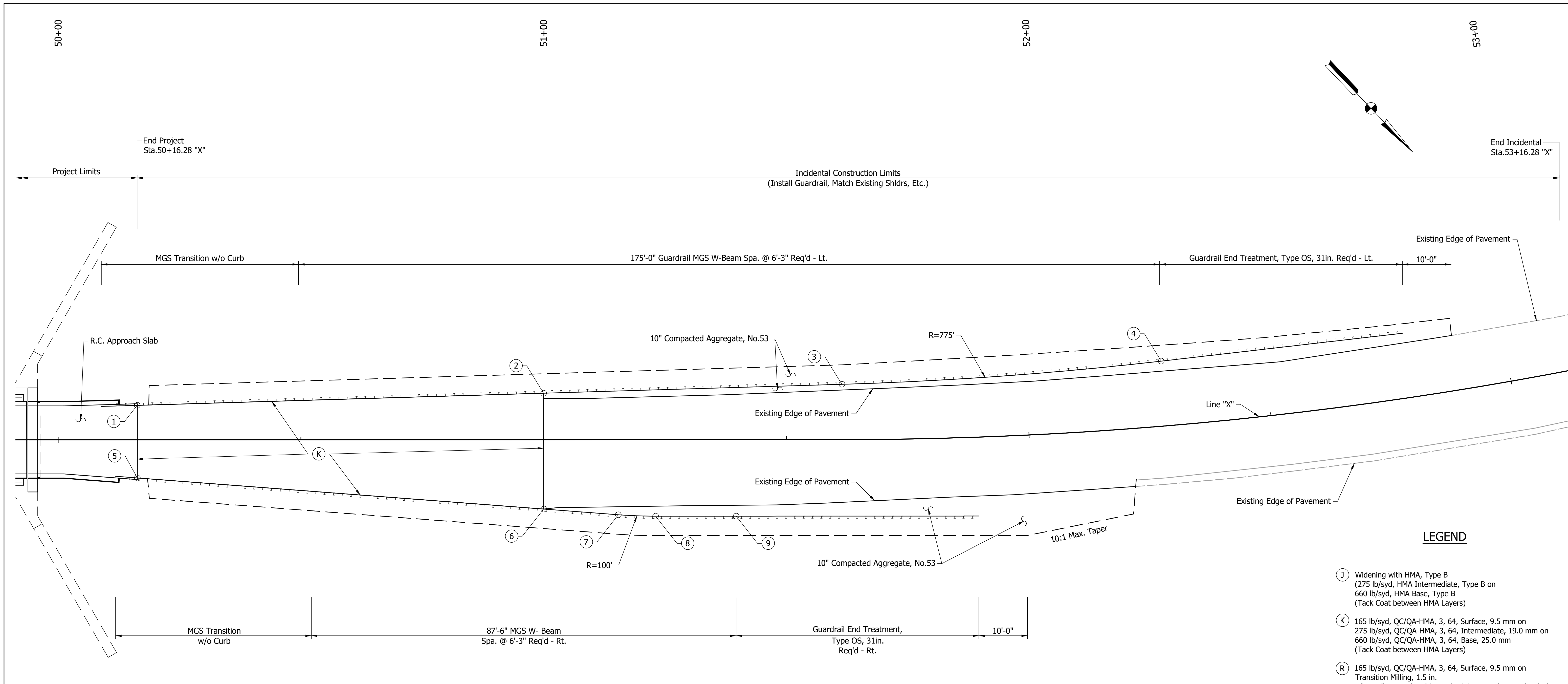
- (J) Widening with HMA, Type B
(275 lb/syd, HMA Intermediate, Type B on
660 lb/syd, HMA Base, Type B
(Tack Coat between HMA Layers)
- (K) 165 lb/syd, QC/QA-HMA, 3, 64, Surface, 9.5 mm on
275 lb/syd, QC/QA-HMA, 3, 64, Intermediate, 19.0 mm on
660 lb/syd, QC/QA-HMA, 3, 64, Base, 25.0 mm
(Tack Coat between HMA Layers)
- (R) 165 lb/syd, QC/QA-HMA, 3, 64, Surface, 9.5 mm on
Transition Milling, 1.5 in.
After Milling, seal visible cracks 0.25 in. wide or wider, before
applying tack coat, with PG 64-22 only. No Emulsion shall be
used. The sealed cracks shall not be overbonded.
- (R1) 165 lb/syd, QC/QA-HMA, 3, 64, Surface, 9.5 mm on
Widening with HMA, Type B



SHOULDER AND GUARDRAIL DETAILS
 (REQ'D @ BEGINNING OF PROJECT)
 Scale: 1" = 20'

Station	Offset
(1) 43+29.28 "X"	7.11' Lt.
(2) 43+05.00 "X"	10.62' Lt.
(3) 42+94.35 "X"	12.50' Lt.
(4) 42+75.69 "X"	14.25' Lt.
(5) 40+82.23 "X"	14.25' Lt.
(6) 43+29.28 "X"	7.83' Rt.
(7) 43+07.58 "X"	7.23' Rt.
(8) 43+05.00 "X"	7.14' Rt.
(9) 43+00.73 "X"	7.42' Rt.
(10) 42+53.58 "X"	13.45' Rt.
(11) 42+40.91 "X"	14.25' Rt.
(12) 40+83.01 "X"	14.25' Rt.

	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=20' VERTICAL SCALE 1"=20'	BRIDGE FILE 225-79-04016H DESIGNATION 2002077
	CONSTRUCTION LAYOUT DETAILS	DRAWING NO. 7 CONTRACT B-43431	SHEETS of 41 PROJECT 2002077
	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____		
	DESIGNED: TSW _____ DRAWN: MEN _____ CHECKED: LLS _____ CHECKED: TSW _____		



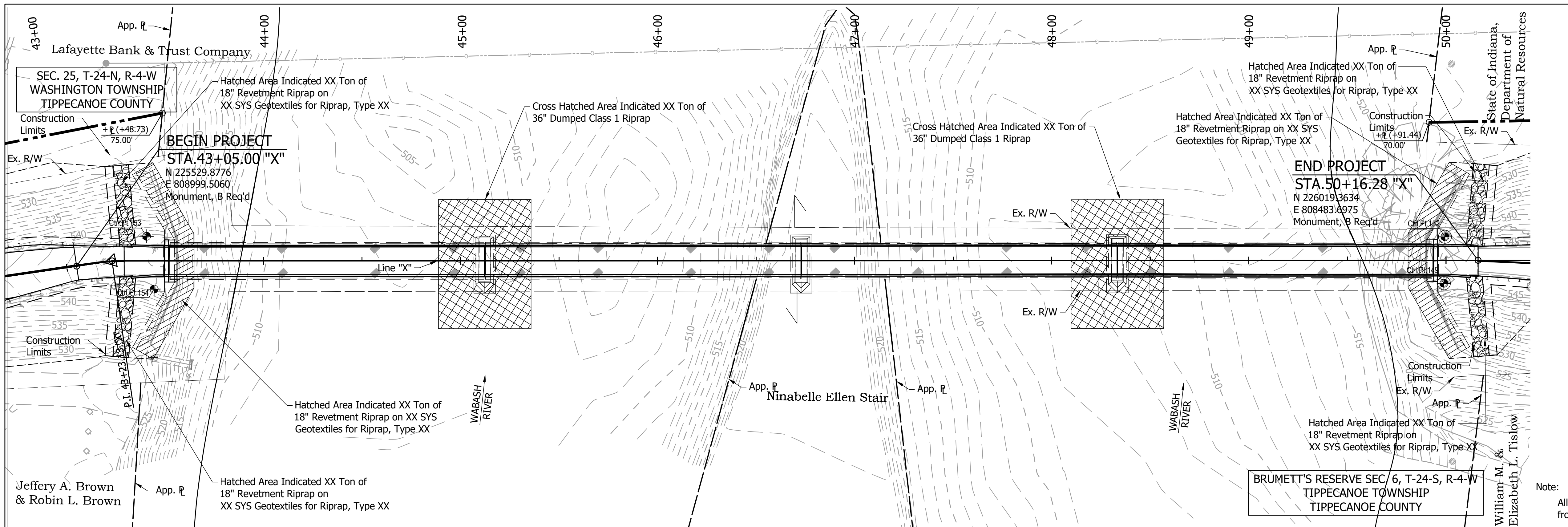
SHOULDER AND GUARDRAIL DETAILS
(REQ'D @ END OF PROJECT)
Scale: 1" = 10'

LEGEND

- (J) Widening with HMA, Type B
(275 lb/syd, HMA Intermediate, Type B on
660 lb/syd, HMA Base, Type B
(Tack Coat between HMA Layers)
- (K) 165 lb/syd, QC/QA-HMA, 3, 64, Surface, 9.5 mm on
275 lb/syd, QC/QA-HMA, 3, 64, Intermediate, 19.0 mm on
660 lb/syd, QC/QA-HMA, 3, 64, Base, 25.0 mm
(Tack Coat between HMA Layers)
- (R) 165 lb/syd, QC/QA-HMA, 3, 64, Surface, 9.5 mm on
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After Milling, seal visible cracks 0.25 in. wide or wider, before
applying tack coat, with PG 64-22 only. No Emulsion shall be
used. The sealed cracks shall not be overbonded.
- (R1) 165 lb/syd, QC/QA-HMA, 3, 64, Surface, 9.5 mm on
Widening with HMA, Type B

Station	Offset
① 50+16.28 "X"	7.11' Lt.
② 51+00.00 "X"	9.58' Lt.
③ 51+61.44 "X"	11.38' Lt.
④ 52+28.42 "X"	13.37' Lt.
⑤ 50+16.28 "X"	7.83' Rt.
⑥ 51+00.00 "X"	14.27' Rt.
⑦ 51+15.38 "X"	15.46' Rt.
⑧ 51+23.05 "X"	15.75' Rt.
⑨ 51+39.65 "X"	15.75' Rt.

	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10' BRIDGE FILE 225-79-04016H
	CONSTRUCTION LAYOUT DETAILS	VERTICAL SCALE 1"=10' DESIGNATION 2002077
		DRAWING NO. 8 SHEETS of 41
		CONTRACT B-43431 PROJECT 2002077



EXISTING STRUCTURE
 Existing Structure is a 4 Span Steel Through Bridge (4@ 158'-0") with a 14'-5" Clear Roadway. (To Be Rehabilitated)

EARTHWORK SUMMARY

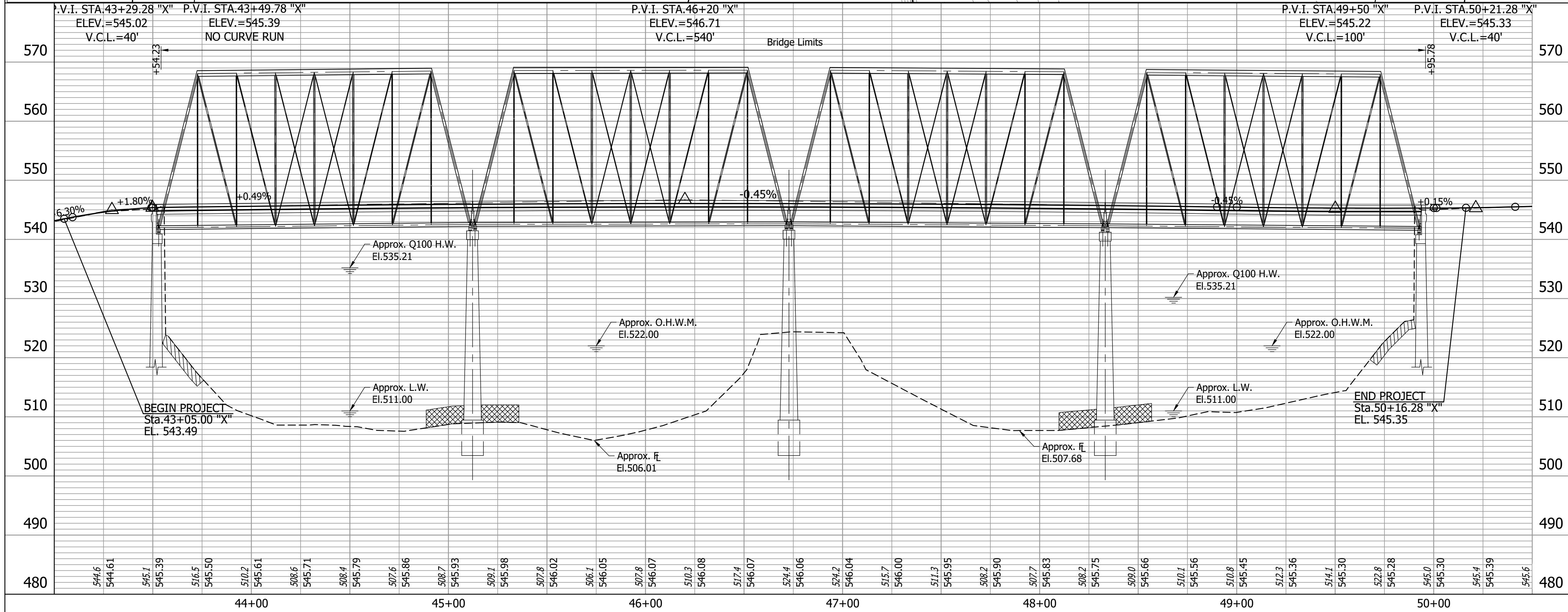
Common Excavation	xxx Cys
Usable Common Excavation (xx%)	xxx Cys
Fill + 20%	xxx Cys
Waterway Excavation	xx Cys
Usable Waterway Excavation (50%)	xx Cys
Borrow/Waste	xx Cys

The estimated quantities for Benching are xxx Cys for Cut and xxx Cys for Fill and are not included in the Earthwork Summary.

HYDRAULIC DATA

Drainage Area	4400 Sq Mi
Design Discharge, Q100	79,000 cfs
High Water Elevation, Q100	EI.536.25
Existing Bridge	
Skew	0°
Flowline Elevation	EI.506.01
Contraction Scour, Q100	5.52 ft
Pier Scour, Q100	11.62 ft
Total Scour, Q100	17.14 ft
Low Scour Elevation, Q100	EI.488.87
Max. Velocity, Q100	5.13 ft/sec
Avg. Velocity, Q100	4.48 ft/sec

Note:
 All R/W on this sheet described from Line "X", except as noted.



LEGEND

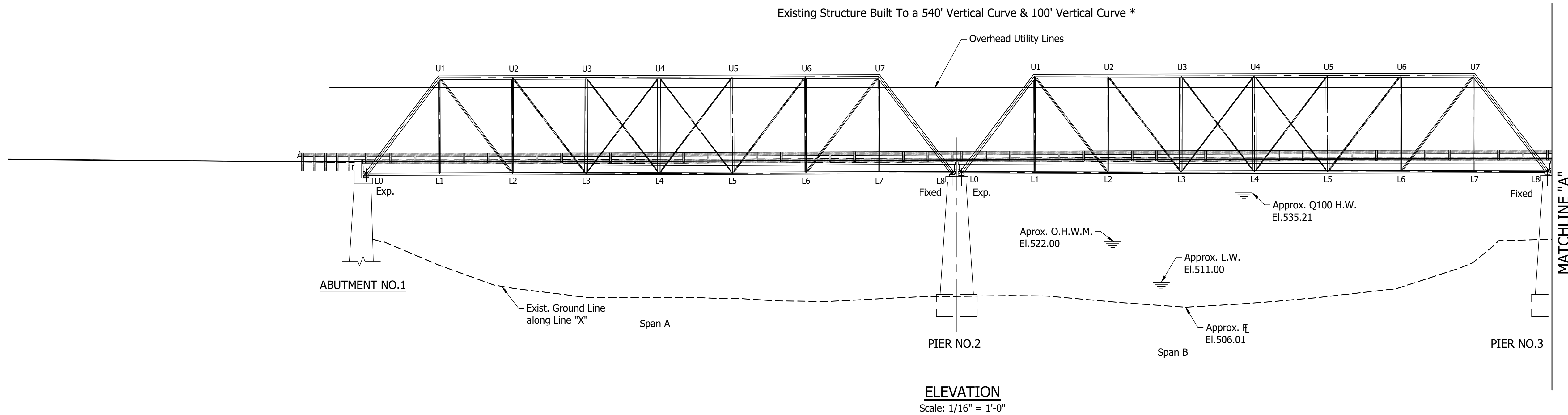
- 18" Revetment Riprap
- 36" Dumped Class 1 Riprap
- 18" Revetment Riprap Turnout

Note:
 For Guardrail Limits, see Plan & Profile, Sht.xx.

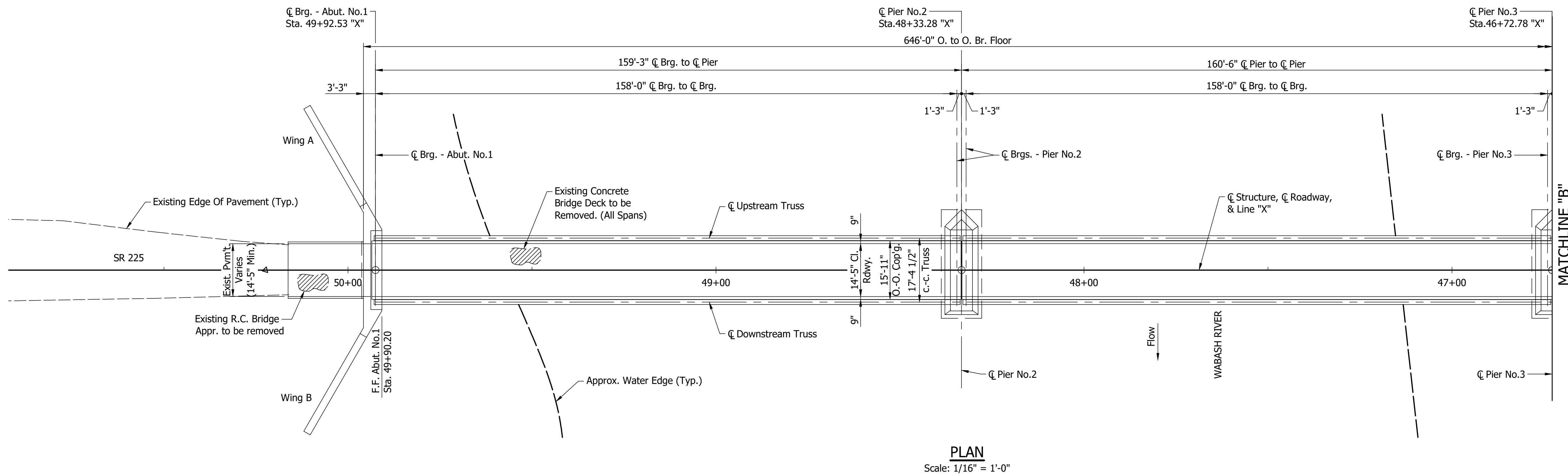
STEEL THROUGH TRUSS BRIDGE
 4 SPANS @ 158'-0"
 14'-0" CLEAR ROADWAY SKEW: 0°
 SR 225 OVER WABASH RIVER
 TIPPECANOE COUNTY

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
			1"=30'	225-79-04016H
DESIGNED: TSW	DRAWN: MEN	LAYOUT LINE "X"	VERTICAL SCALE	DESIGNATION
			1"=10'	2002077
CHECKED: LLS	CHECKED: TSW		DRAWING NO.	SHEETS
			SI of S12	9 of 41
			CONTRACT	PROJECT
			B-43431	2002077

Existing Structure Built To a 540' Vertical Curve & 100' Vertical Curve *



* There is no record of the existing vertical curve. The grade is based on fitting vertical curve to the surveyed top of floor beams throughout the bridge.



Notes:
For General Notes, Design Data, Construction Procedure and Typical section, see Dwg.56.
Hatched areas indicates areas to be removed.
General Plan and Structure Details shown in reverse stationing order to be consistent with original plans and subsequent rehabilitations and repairs.

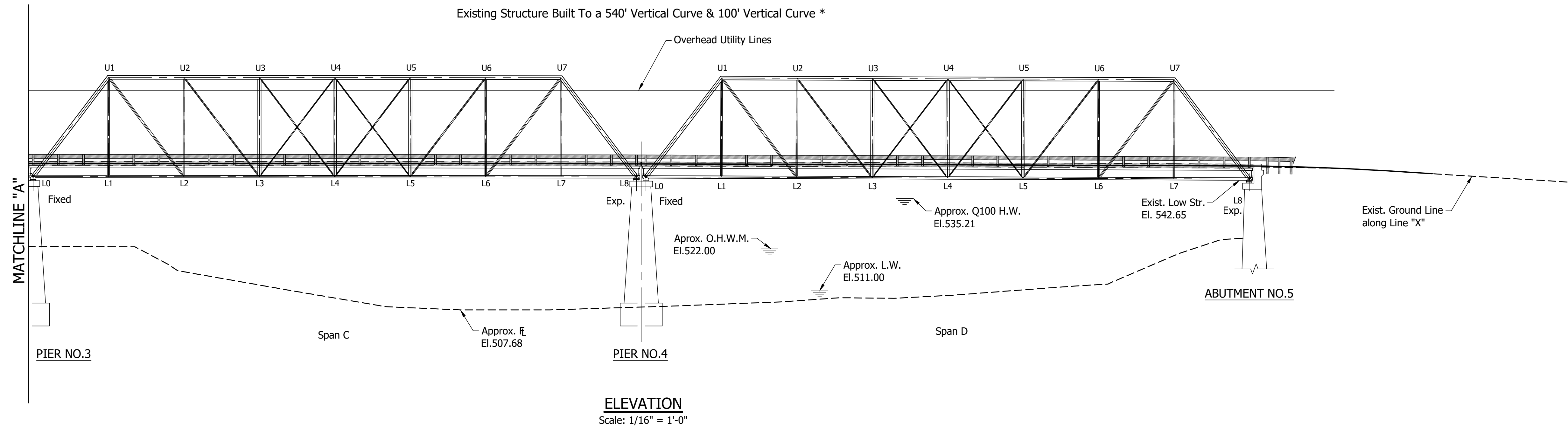
STEEL THROUGH TRUSS BRIDGE
4 SPANS @ 158'-0"
14'-5" CLEAR ROADWAY SKEW: 0°
SR 225 OVER WABASH RIVER
TIPPECANOE COUNTY

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TSW	DRAWN: JF	
CHECKED: LLS	CHECKED: TSW	

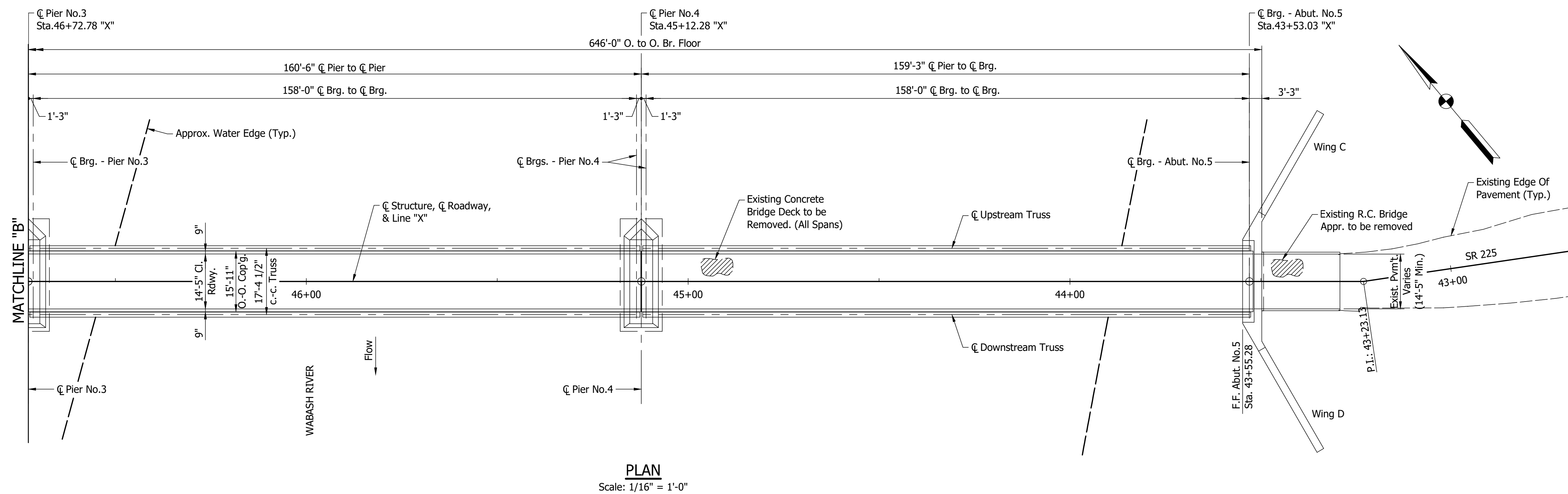
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
EXISTING

HORIZONTAL SCALE	BRIDGE FILE
1/16" = 1'-0"	225-79-04016H
VERTICAL SCALE	DESIGNATION
1/16" = 1'-0"	2002077
DRAWING NO.	SHEETS
S2 of S12	10 of 41
CONTRACT	PROJECT
B-43431	2002077



* There is no record of the existing vertical curve. The grade is based on fitting vertical curve to the surveyed top of floor beams throughout the bridge.



Notes:
For General Notes, Design Data, Construction Procedure and Typical section, see Dwg.S6. Hatched areas indicates areas to be removed. General Plan and Structure Details shown in reverse stationing order to be consistent with original plans and subsequent rehabilitations and repairs.

STEEL THROUGH TRUSS BRIDGE
4 SPANS @ 158'-0"
14'-5" CLEAR ROADWAY SKEW: 0°
SR 225 OVER WABASH RIVER
TIPPECANOE COUNTY

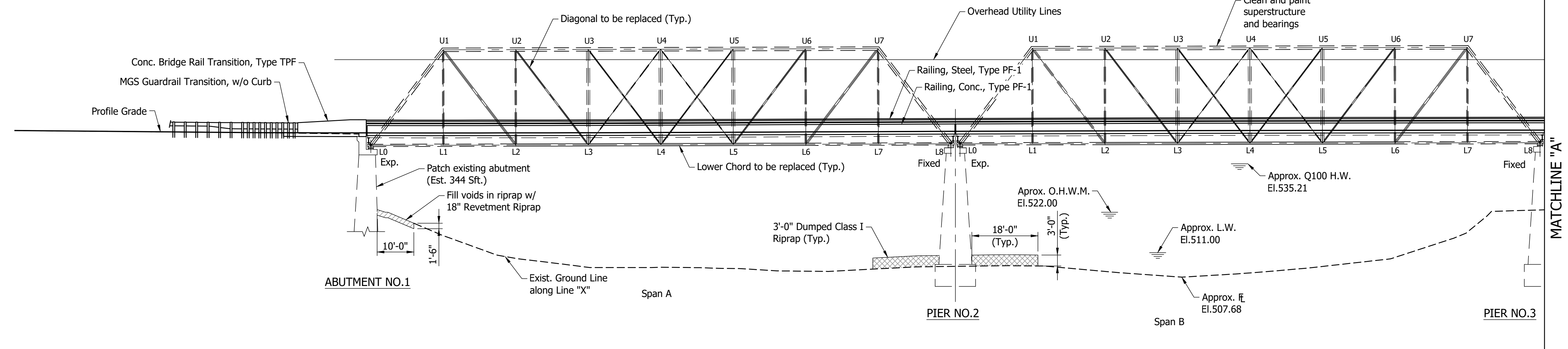
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TSW	DRAWN: JF	
CHECKED: LLS	CHECKED: TSW	

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
EXISTING

HORIZONTAL SCALE	BRIDGE FILE
1/16" = 1'-0"	225-79-04016H
VERTICAL SCALE	DESIGNATION
1/16" = 1'-0"	2002077
DRAWING NO.	SHEETS
S3 of S12	11 of 41
CONTRACT	PROJECT
B-43431	2002077

Existing Structure Built To a 540' Vertical Curve & 100' Vertical Curve *



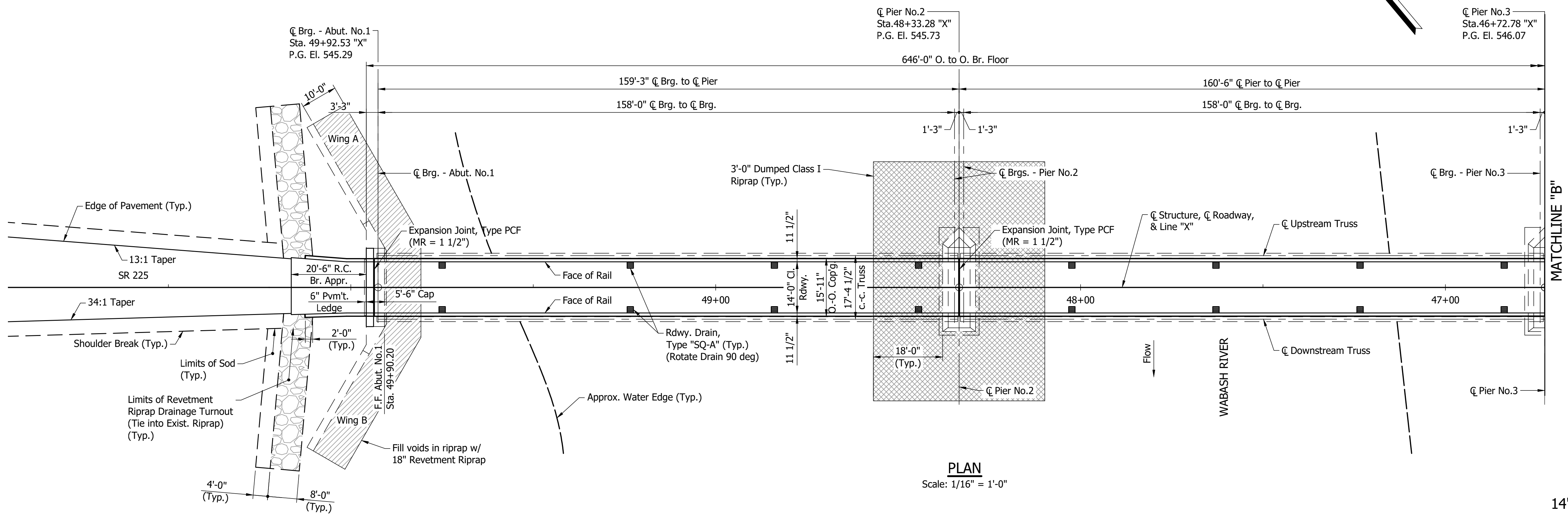
ELEVATION
Scale: 1/16" = 1'-0"

* There is no record of the existing vertical curve. The grade is based on fitting vertical curve to the surveyed top of floor beams throughout the bridge.

DECK DRAIN LOCATIONS

NORTH & SOUTH CURB LINES	
43+62.91 "X"	
44+61.41 "X"	
45+43.16 "X"	
46+22.16 "X"	
46+41.91 "X"	
46+83.91 "X"	
47+23.41 "X"	
47+62.91 "X"	
48+02.41 "X"	
48+44.41 "X"	
48+83.91 "X"	
49+23.41 "X"	
49+75 "X"	

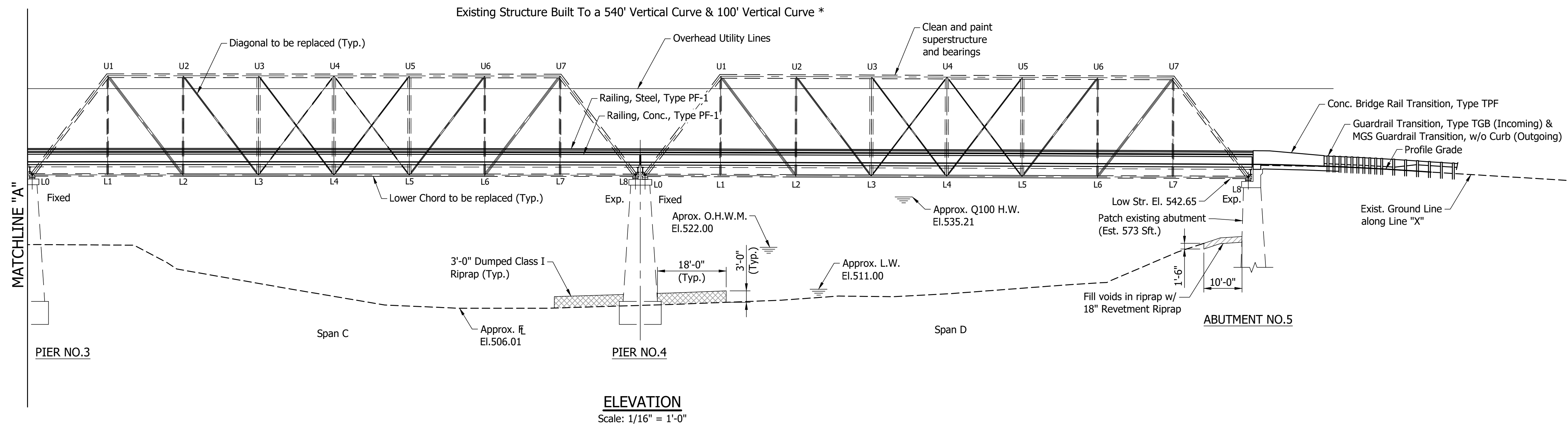
Notes:
For General Notes, Design Data, Construction Procedure and Typical section, see Dwg.S6.
For additional details of member replacement and repairs, see Dwgs.S7 thru S10.
General Plan and Structure Details shown in reverse stationing order to be consistent with original plans and subsequent rehabilitations and repairs.



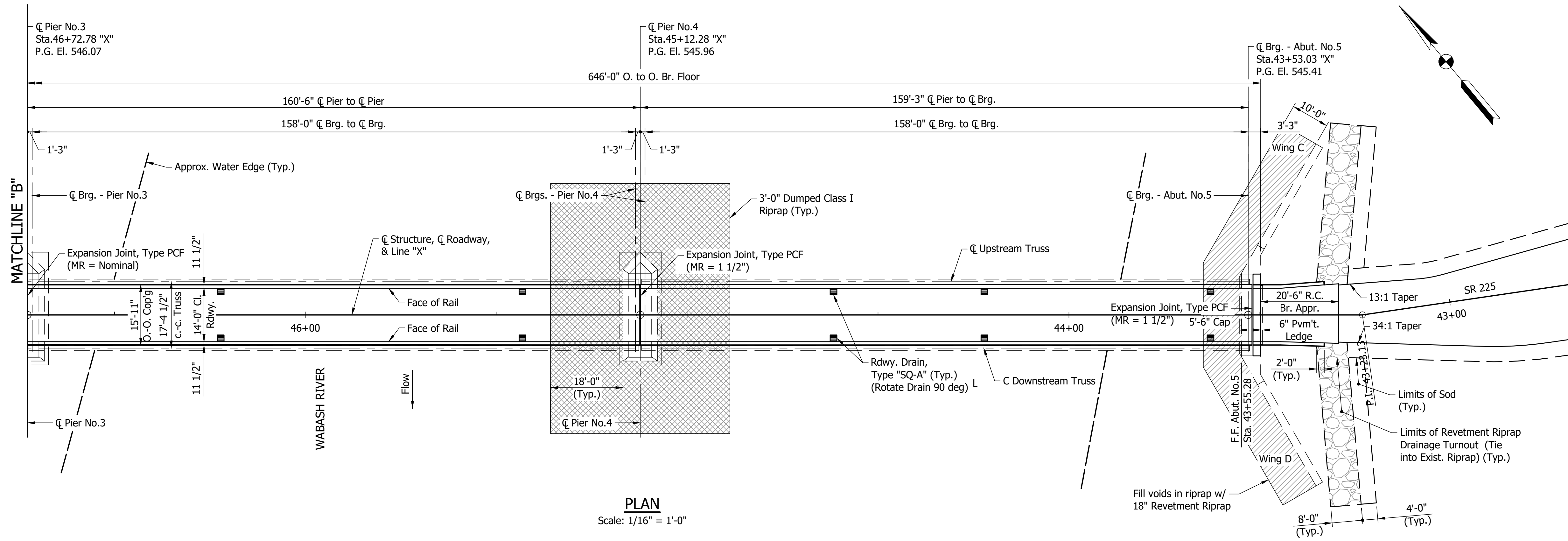
PLAN
Scale: 1/16" = 1'-0"

STEEL THROUGH TRUSS BRIDGE
4 SPANS @ 158'-0"
14'-0" CLEAR ROADWAY SKEW: 0°
SR 225 OVER WABASH RIVER
TIPPECANOE COUNTY

RECOMMENDED FOR APPROVAL _____ DESIGNED: TSW CHECKED: LLS	DESIGN ENGINEER _____ DRAWN: JF CHECKED: TSW	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	
			GENERAL PLAN PROPOSED	
			HORIZONTAL SCALE 1/16" = 1'-0"	BRIDGE FILE 225-79-04016H
			VERTICAL SCALE 1/16" = 1'-0"	DESIGNATION 2002077
			DRAWING NO. S4 of S12	SHEETS 12 of 41
			CONTRACT B-43431	PROJECT 2002077



* There is no record of the existing vertical curve. The grade is based on fitting vertical curve to the surveyed top of floor beams throughout the bridge.



DECK DRAIN LOCATIONS

NORTH & SOUTH CURB LINES
43+62.91 "X"
44+61.41 "X"
45+43.16 "X"
46+22.16 "X"
46+41.91 "X"
46+83.91 "X"
47+23.41 "X"
47+62.91 "X"
48+02.41 "X"
48+44.41 "X"
48+83.91 "X"
49+23.41 "X"
49+75 "X"

Note:
For General Notes, Design Data, Construction Procedure and Typical section, see Dwg.S6. For additional details of member replacement and repairs, see Dwg.S7 thru S10. General Plan and Structure Details shown in reverse stationing order to be consistent with original plans and subsequent rehabilitations and repairs.

STEEL THROUGH TRUSS BRIDGE
4 SPANS @ 158'-0"
14'-0" CLEAR ROADWAY SKEW: 0°
SR 225 OVER WABASH RIVER
TIPPECANOE COUNTY

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	
			HORIZONTAL SCALE 1/16" = 1'-0"	BRIDGE FILE 225-79-04016H
DESIGNED: TSW	DRAWN: JF		DESIGNATION 2002077	
CHECKED: LLS	CHECKED: TSW		DRAWING NO. SS of S12	SHEETS 13 of 41
			CONTRACT B-43431	PROJECT 2002077
			GENERAL PLAN PROPOSED	

GENERAL NOTES

Reinforcing Steel covering shall be 1 1/2" in the top and 1" minimum in the bottom of the floor slab, and 2" in all other parts, unless noted.

Reinforcing Steel in bridge slab, railing and abutments shall be epoxy coated.

Portions of the present structure shall be Removed.

Missing or deteriorated bolts and rivets shall be replaced as directed by the Engineer.

All bolts and rivets that are Removed or open holes shall be replaced or filled with A325 round headed bolts of the applicable size. At no time shall standard bolts be utilized without the written consent of the Engineer.

The Contractor shall be responsible for and provide adequate Jacking, Shoring, and temporary support prior to all structural repairs. The Contractor shall submit to the Project Engineer/Supervisor (PE/S), 14 days prior to indicated work, a plan detailing their proposed method for jacking, shoring, and temporary support of the existing structure during the construction of truss members. Each drawing must include Contract Number, Contractor Name, and shall be designed and sealed by a Professional Engineer Licensed in the State of Indiana. See Special Provisions for additional details.

The bridge seats, railing and concrete railing transitions to be sealed in accordance with 702.21. (Estimated Quantity = xxx Sft.)

Where new work is to be fitted to the old work, the Contractor shall check and verify all dimensions, elevations, and conditions in the field and report any errors or discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new construction to the existing structure.

Do not paint top of top Flange of Stringers

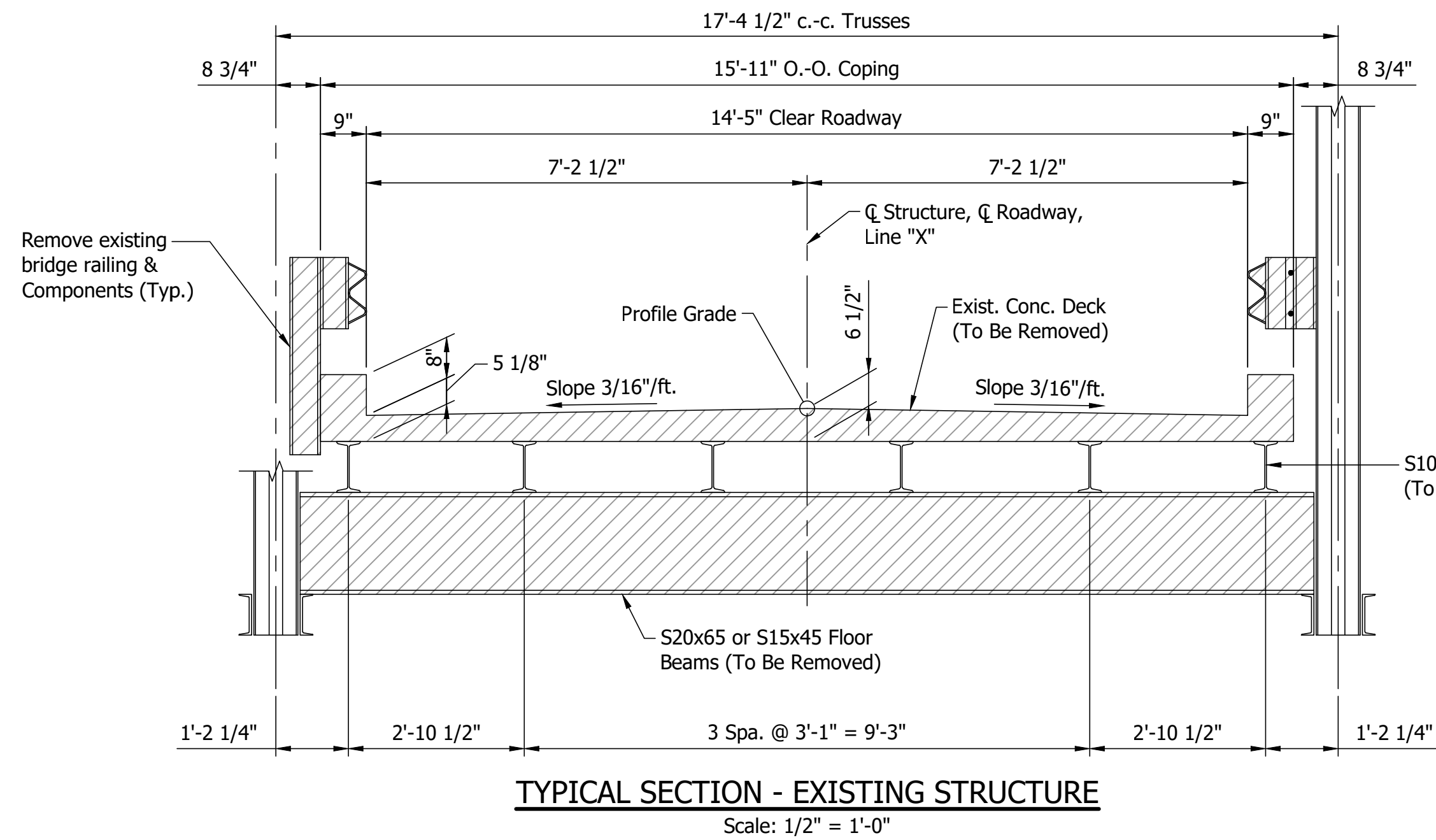
Plans for existing structure are on file in the Research and Documents Section at the Indiana Department of Transportation, as Bridge File No.225-79-04016 and are available upon request.

The bridge was last painted in 2002, but the tops of the stringer flanges were last painted in 1988. It should be assumed lead paint is present on the top of the top flange

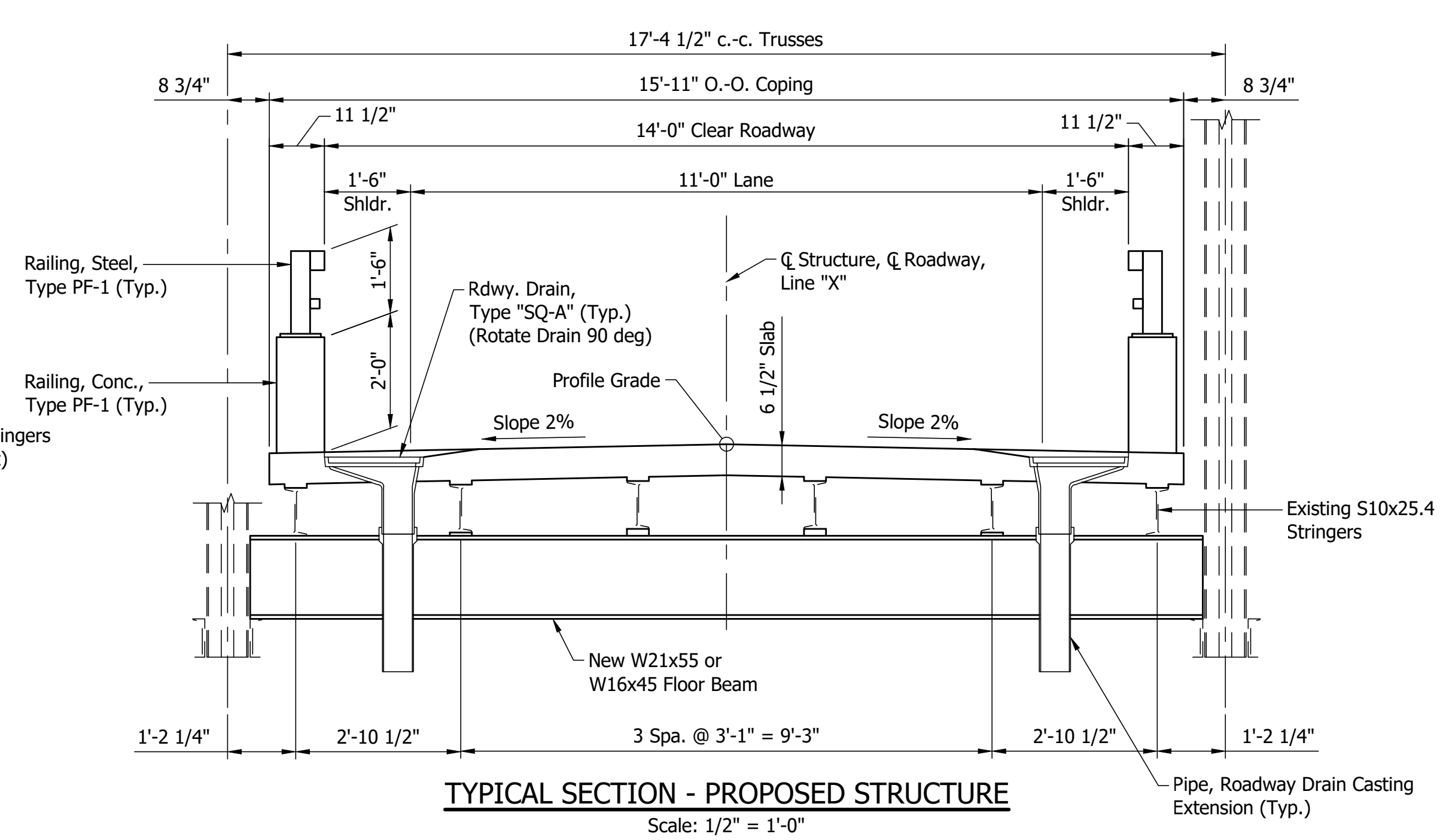
Concrete in bridge slab and railing to be Class "C-LW".

Concrete in substructure to be Class "A".

Paint Color shall match Federal Standards 595 Color No.15450 Light Blue.



TYPICAL SECTION - EXISTING STRUCTURE
Scale: 1/2" = 1'-0"



TYPICAL SECTION - PROPOSED STRUCTURE
Scale: 1/2" = 1'-0"

CONSTRUCTION PROCEDURE

1. Remove and repair bottom lateral connections and bracing where feasible as shown on detail plans.
2. Remove existing concrete deck, curbs, approach slabs and portions of mudwalls.
3. Replace or repair truss gusset plates, bearings, verticals, diagonals, low chords, low chord splices, bottom lateral connections and bracing, stringers, and floor beams.
4. Reset Truss Bearings.
5. Clean and paint truss, floor beams, and stringers.
6. Replace or patch portions of abutments and wings.
7. Construct deck, rails, portions of mudwalls, joints, portions of bridge seats, and approach slabs.
8. Complete all other work as shown in the detail plans.

The sequence of the above notes does not necessarily indicate sequence of construction operations.

Structure to be closed to traffic during all phases of work. See Maintenance of Traffic Details.

DESIGN DATA

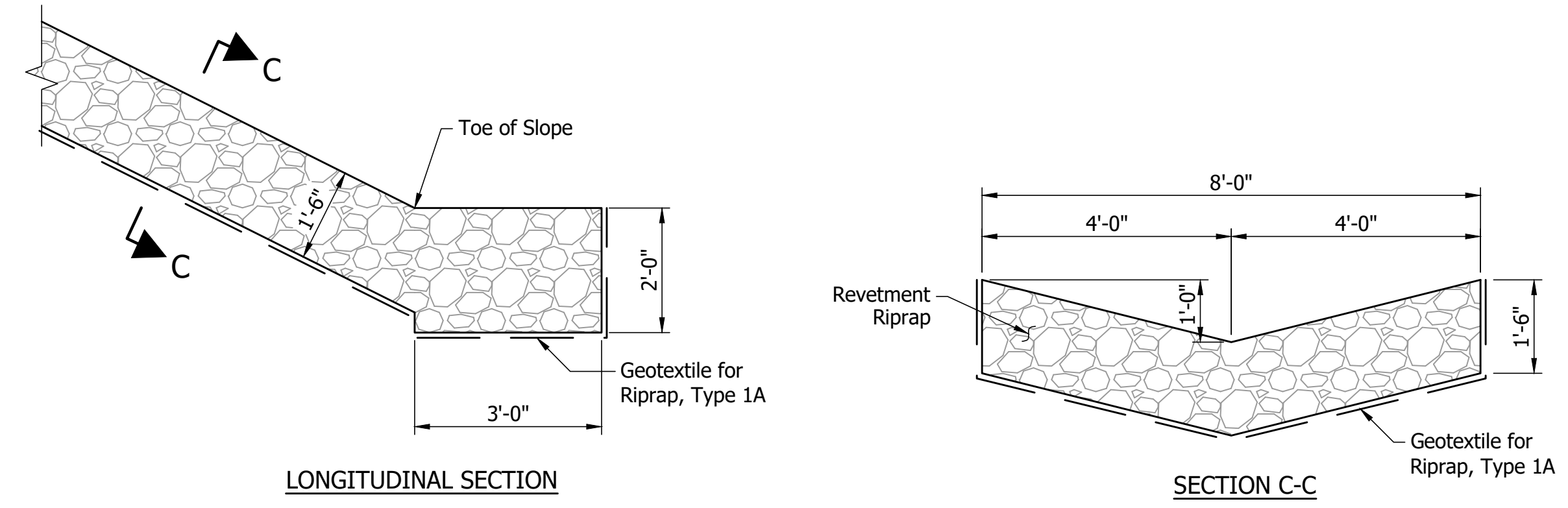
LIVE LOAD
Deck designed for HL-93 in accordance with the AASHTO LRFD Bridge Design Specifications, 9th Ed.
Floor beams designed for HS15-44 loading with impact and distribution of loads in accordance with 2002 AASHTO Standard Specifications.
Stringers and truss checked for HS15-44 loading with impact and distribution of loads in accordance with 2002 AASHTO Standard Specifications.

DEAD LOAD
Actual weight plus 18.75 psf (composite) for future wearing surface. Permanent deck forms will not be permitted.

FLOOR SLAB
Slab designed for HL-93 loading with a 1/2" sacrificial wearing surface.

DESIGN STRENGTHS
To be in accordance with the Ninth Edition AASHTO LRFD Bridge Design Specifications.
CONCRETE:
Class "C-LW": f_c=4,000 psi (unit weight = 125 pcf)
Class "A": f_c=3,500 psi
REINFORCING STEEL:
Grade 60: f_y=60,000 psi
STRUCTURAL STEEL:
ASTM A709 Grade 50: f_y=50,000 psi

SEISMIC DATA
AASHTO Guide Design Specifications for LRFD Seismic Bridge Design
Seismic Zone Category XX
S1 = XX
Site Class XX
Fv = XX

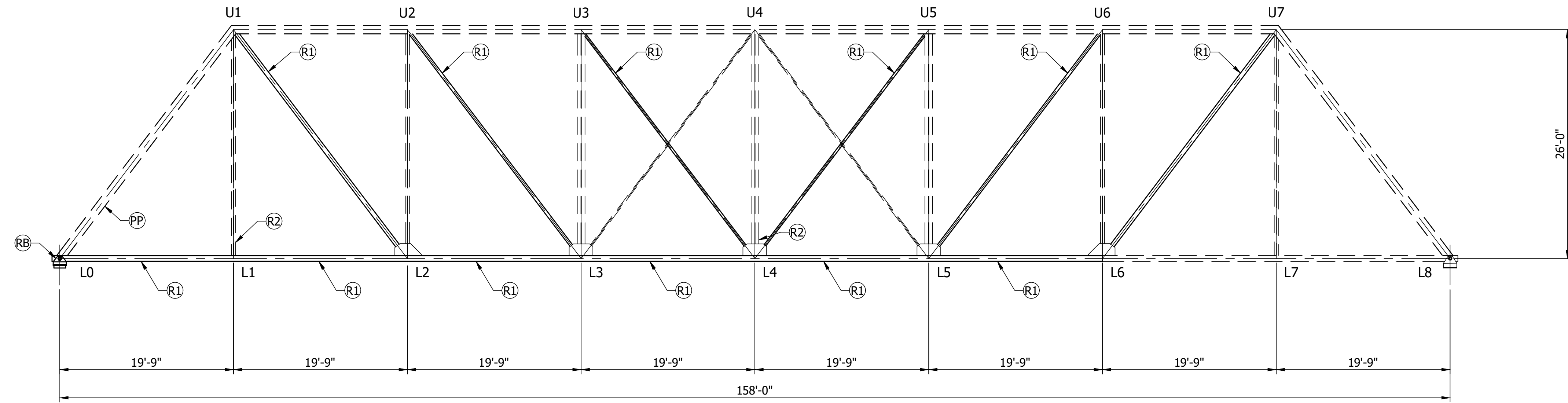


LONGITUDINAL SECTION
SECTION C-C
RIPRAP DRAINAGE TURNOUT DETAIL
Scale: 1/2"=1'-0"

Notes:
Hatched area indicates portions to be removed.
For Existing Elevation and Plan, see Dwgs.S3 & S4.
For Proposed Elevation and Plan, see Dwgs.S4 & S5.

STEEL THROUGH TRUSS BRIDGE
4 SPANS @ 158'-0"
14'-0" CLEAR ROADWAY SKEW: 0°
SR 225 OVER WABASH RIVER
TIPPECANOE COUNTY

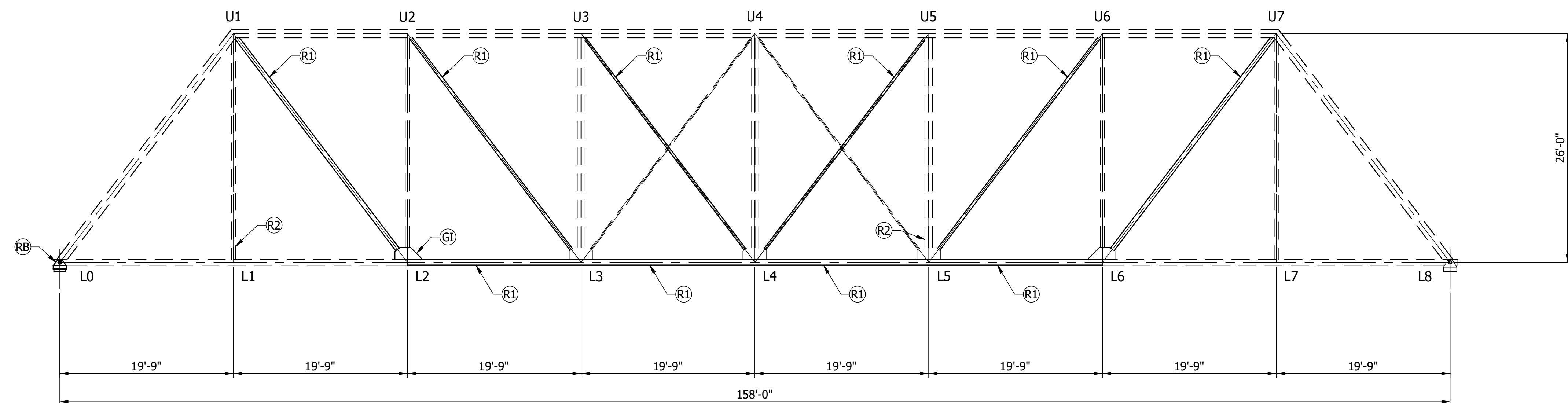
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
			AS NOTED	225-79-04016H
DESIGNED: TSW	DRAWN: JF	GENERAL PLAN	VERTICAL SCALE	DESIGNATION
			AS NOTED	2002077
CHECKED: LLS	CHECKED: TSW	TYPICAL SECTIONS	DRAWING NO.	SHEETS
			S6 of S12	14 of 41
			CONTRACT	PROJECT
			B-43431	2002077



TRUSS ELEVATION
Span "A" - Upstream
Scale: 1/8" = 1'-0"

- LEGEND**
- (R1) Replace Member
 - (R2) Repair Member
 - (RB) Replace Bearing
 - (GE) Replace Exterior Gusset Plate
 - (GI) Replace Interior Gusset Plate
 - (GE) Replace Interior And Exterior Gusset Plates
 - (PP) Repair Hole In Web With Patch Plate

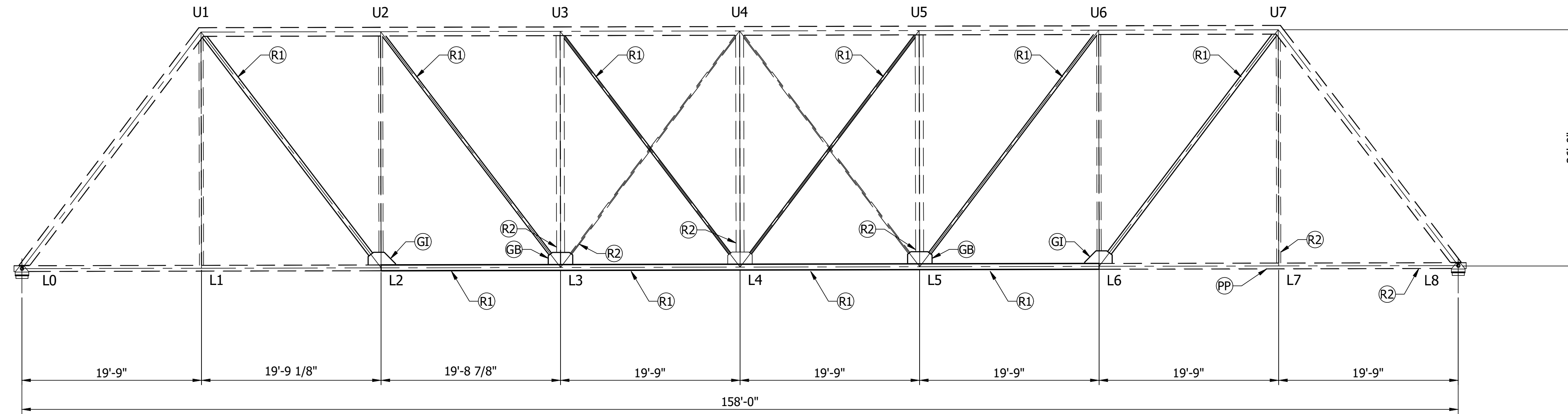
MISCELLANEOUS REPAIRS
Replace Deteriorated Lattice (Est. 82 Lattice)



TRUSS ELEVATION
Span "A" - Downstream
Scale: 1/8" = 1'-0"

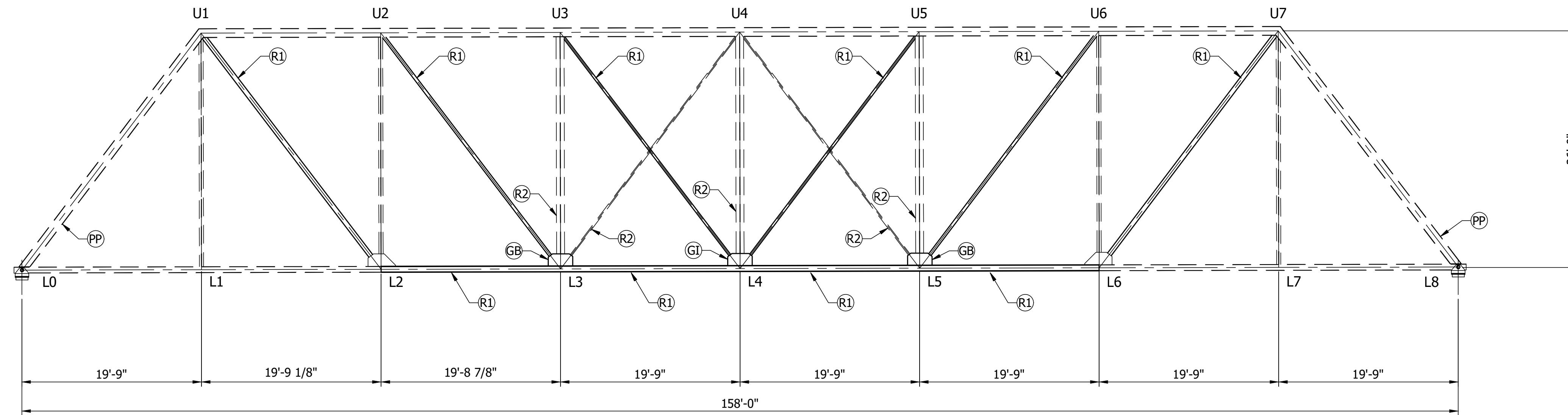
Notes:
For General Notes, Design Data, Construction Procedure and Typical section, see Dwg.S6.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
			1/8" = 1'-0"	225-79-04016H
DESIGNED: TSW _____ DRAWN: JF _____	TRUSS REPAIR DETAILS SPAN A		VERTICAL SCALE	DESIGNATION
			1/8" = 1'-0"	2002077
CHECKED: LLS _____ CHECKED: TSW _____			DRAWING NO.	SHEETS
			S7 of S12	15 of 41
			CONTRACT	PROJECT
			B-43431	2002077



TRUSS ELEVATION

Span "B" - Upstream
Scale: 1/8" = 1'-0"



TRUSS ELEVATION

Span "B" - Downstream
Scale: 1/8" = 1'-0"

LEGEND

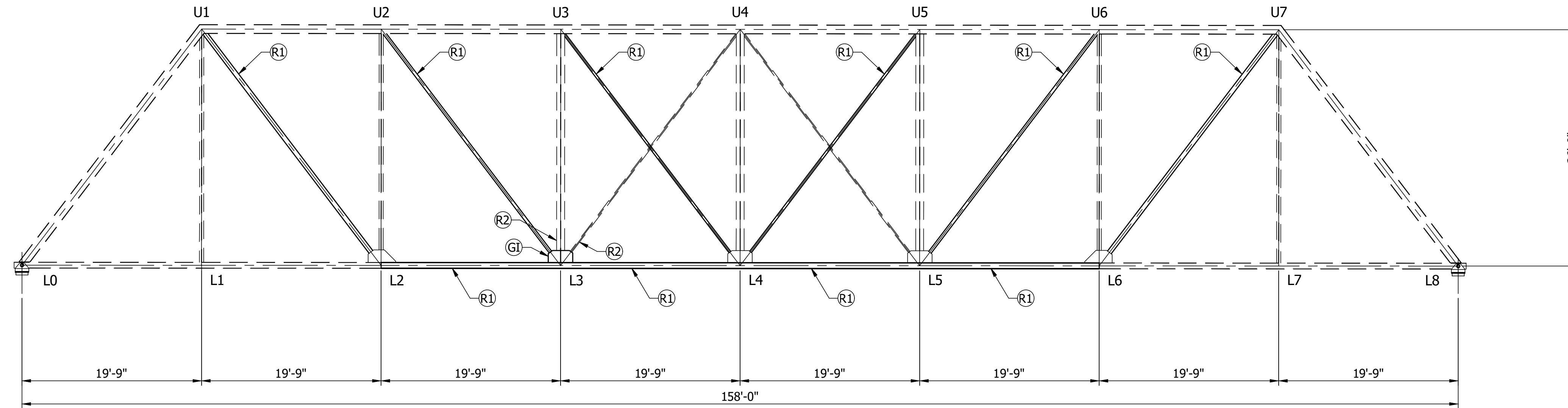
- (R1) Replace Member
- (R2) Repair Member
- (RB) Replace Bearing
- (GE) Replace Exterior Gusset Plate
- (GI) Replace Interior Gusset Plate
- (GE) Replace Interior And Exterior Gusset Plates
- (PP) Repair Hole In Web With Patch Plate

MISCELLANEOUS REPAIRS

Replace Deteriorated Lattice (Est. 70 Lattice)

Notes:
For General Notes, Design Data, Construction Procedure and Typical section, see Dwg.S6.

		RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1/8" = 1'-0"	BRIDGE FILE 225-79-04016H
		DESIGNED: TSW _____	DRAWN: JF _____		TRUSS REPAIR DETAILS	VERTICAL SCALE 1/8" = 1'-0"	DESIGNATION 2002077
		CHECKED: LLS _____	CHECKED: TSW _____		SPAN B	DRAWING NO. S8 of S12	SHEETS 16 of 41
						CONTRACT B-43431	PROJECT 2002077



TRUSS ELEVATION

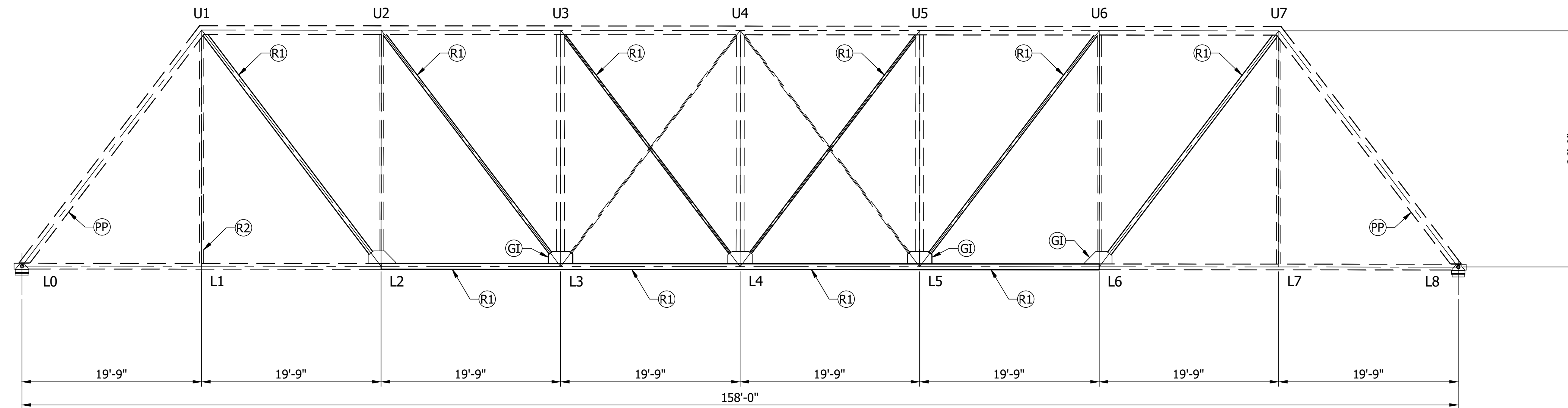
Span "C" - Upstream
Scale: 1/8" = 1'-0"

LEGEND

- (R1) Replace Member
- (R2) Repair Member
- (RB) Replace Bearing
- (GE) Replace Exterior Gusset Plate
- (GI) Replace Interior Gusset Plate
- (GE) Replace Interior And Exterior Gusset Plates
- (PP) Repair Hole In Web With Patch Plate

MISCELLANEOUS REPAIRS

Replace Deteriorated Lattice (Est. 44 Lattice)



TRUSS ELEVATION

Span "C" - Downstream
Scale: 1/8" = 1'-0"

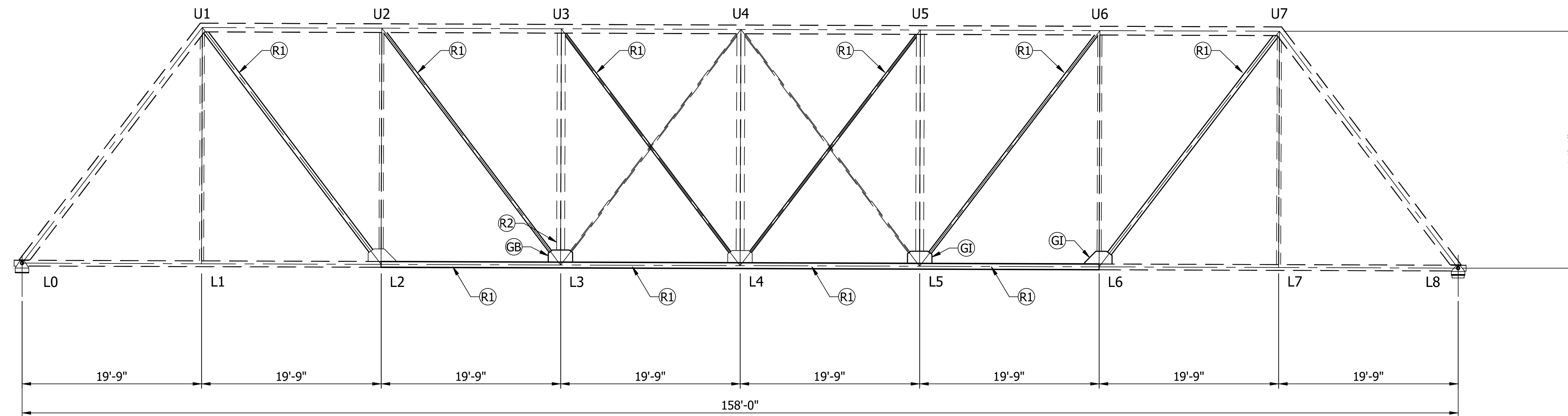
Notes:
For General Notes, Design Data, Construction Procedure and Typical section, see Dwg.S6.

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: JF _____	
CHECKED: LLS _____	CHECKED: TSW _____	

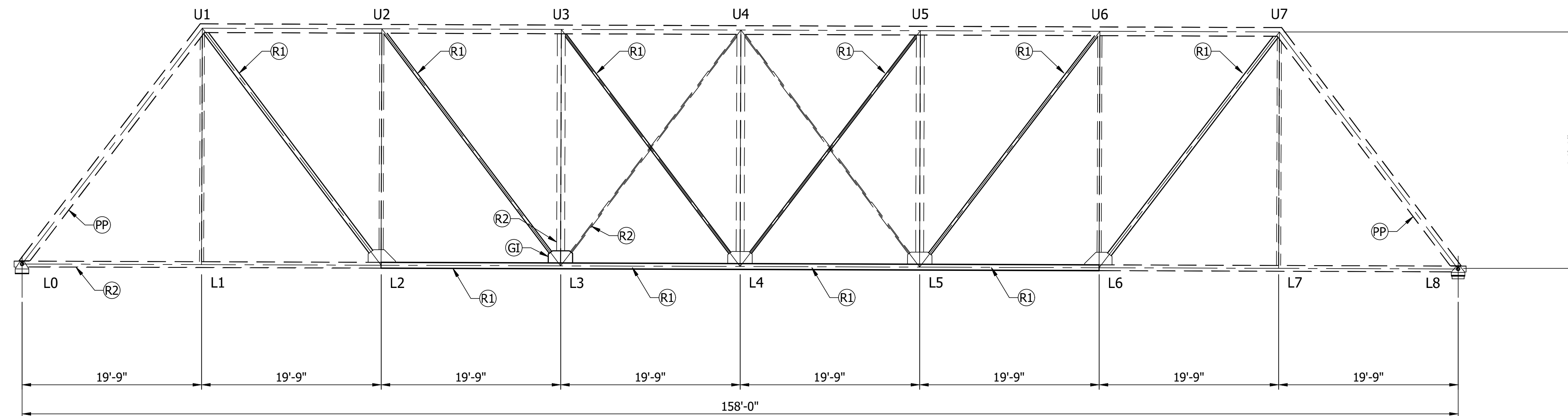
INDIANA
DEPARTMENT OF TRANSPORTATION

TRUSS REPAIR DETAILS
SPAN C

HORIZONTAL SCALE 1/8" = 1'-0"	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1/8" = 1'-0"	DESIGNATION 2002077
DRAWING NO. S9 of S12	SHEETS 17 of 41
CONTRACT B-43431	PROJECT 2002077



TRUSS ELEVATION
Span "D" - Upstream
Scale: 1/8" = 1'-0"



TRUSS ELEVATION
Span "D" - Downstream
Scale: 1/8" = 1'-0"

LEGEND

- (R1) Replace Member
- (R2) Repair Member
- (RB) Replace Bearing
- (GE) Replace Exterior Gusset Plate
- (GI) Replace Interior Gusset Plate
- (GE) Replace Interior And Exterior Gusset Plates
- (PP) Repair Hole In Web With Patch Plate

MISCELLANEOUS REPAIRS

Replace Deteriorated Lattice (Est. 32 Lattice)

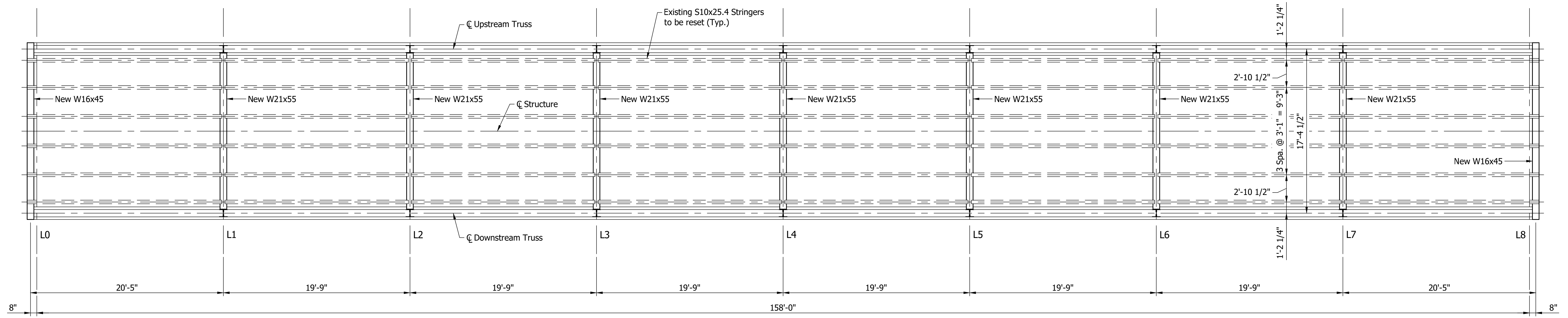
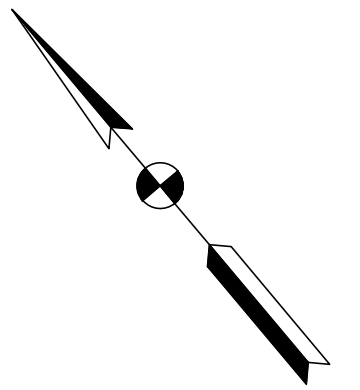
Notes:
For General Notes, Design Data, Construction Procedure and Typical section, see Dwg.S6.

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: JF _____	
CHECKED: LLS _____	CHECKED: TSW _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

TRUSS REPAIR DETAILS
SPAN D

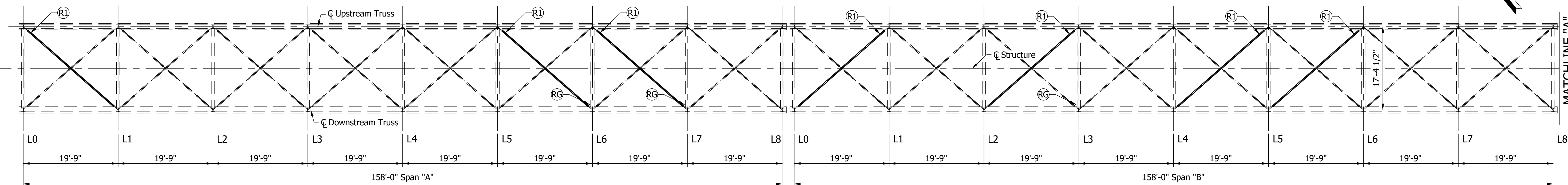
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VERTICAL SCALE 1/8" = 1'-0"	DESIGNATION 2002077
DRAWING NO. S10 of S12	SHEETS 18 of 41
CONTRACT B-43431	PROJECT 2002077



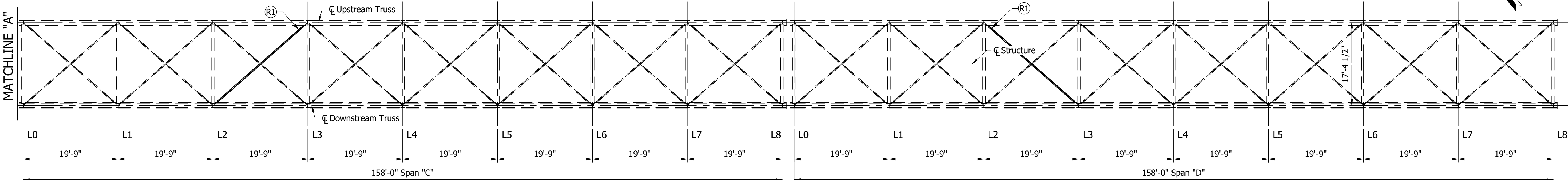
TYPICAL FRAMING PLAN
Scale: 3/16" = 1'-0"

Notes:
For General Notes, Design Data, Construction Procedure and Typical section, see Dwg.S6.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
			1/8" = 1'-0"	225-79-04016H
DESIGNED: TSW _____ DRAWN: JF _____	FRAMING PLAN FLOOR BEAMS	VERTICAL SCALE	DESIGNATION	
CHECKED: LLS _____ CHECKED: TSW _____		1/8" = 1'-0"	2002077	
		DRAWING NO.	SHEETS	
		S11 of S12	19 of 41	
		CONTRACT	PROJECT	
		B-43431	2002077	



FRAMING PLAN
Showing Lateral Bracing
Scale: 3/32" = 1'-0"



FRAMING PLAN
Showing Lateral Bracing
Scale: 3/32" = 1'-0"

- LEGEND**
- (R1) Replace Member
 - (RG) Replace Lateral Gusset Plate

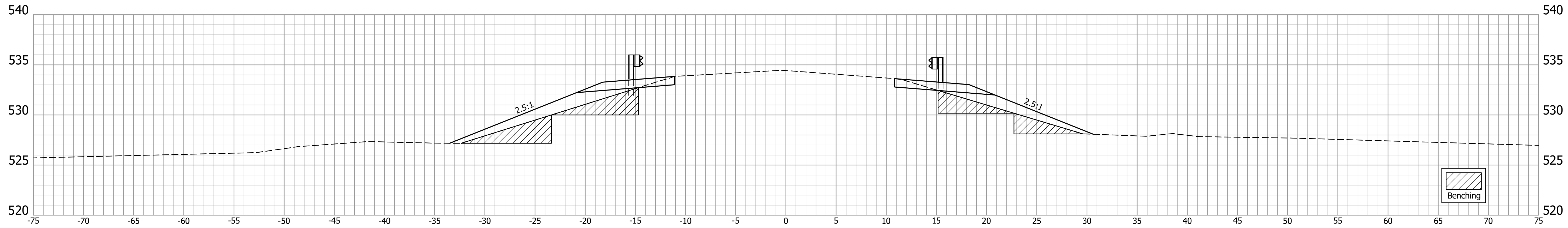
Notes:
For General Notes, Design Data, Construction Procedure and Typical section, see Dwg.S6.

	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1/8" = 1'-0"	BRIDGE FILE 225-79-04016H	
	FRAMING PLAN LATERAL BRACING	VERTICAL SCALE 1/8" = 1'-0"	DESIGNATION 2002077	
	DESIGNED: TSW DRAWN: JF CHECKED: LLS	DATE: _____ DESIGN ENGINEER: _____ DATE: _____	DRAWING NO. S12 of S12	SHEETS 20 of 41
			CONTRACT B-43431	PROJECT 2002077

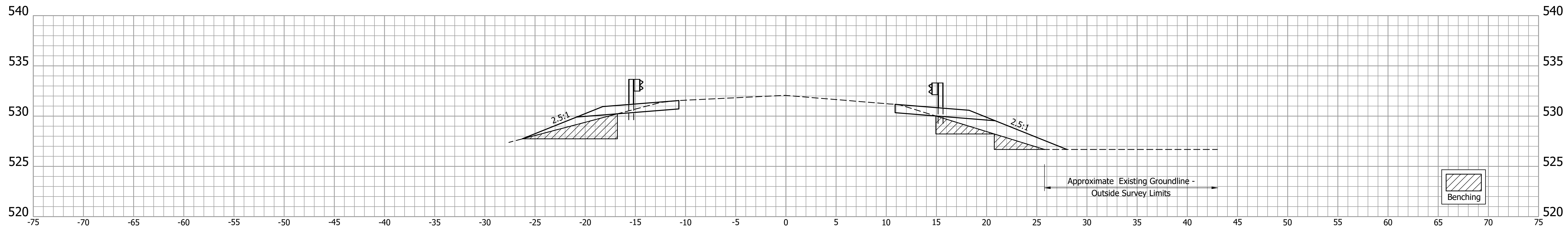
SUMMARY OF BRIDGE QUANTITIES

ITEM	CONCRETE				RAILING, CONCRETE, PF-1	RAILING, STEEL, PF-1	REINF. BARS EPOXY COATED	GRATES, BASINS, & FITTINGS	GEOTEXTILES	REINF. CONC. BRIDGE APPROACH (12")	DENSE GRADED SUBBASE	PAVED SIDE DITCH, TYPE A, MODIFIED	DRILLED HOLE	PIPE, ROADWAY DRAIN CASTING EXTENSION	CASTING, ADJUST TO GRADE	AGGREGATE FOR END BENT BACKFILL	SLOPEWALL, REMOVE	SURFACE MILLING	BRIDGE DECK OVERLAY, ADDITIONAL	OVERLAY DAM	CONCRETE BRIDGE TRANSITION, TFC	STRUCTURE BACKFILL, TYPE I, MODIFIED	HYDRO- DEMOLITION	BRIDGE DECK PATCHING, FULL DEPTH	BRIDGE DECK OVERLAY	BRIDGE DECK OVERLAY, REMOVE	PATCHING CONCRETE STRUCTURES	SURFACE SEAL*	
	CLASS C	CLASS B		CLASS A																									
	SUPERSTR. CYS	ABOVE FTG. CYS	IN FTG. CYS	SUBSTR. CYS																									
ABUTMENT NO.1																													
ABUTMENT NO.5																													
SUPERSTRUCTURE																													
R.C. BRIDGE APPROACH - ABUTMENT NO.1																													
R.C. BRIDGE APPROACH - ABUTMENT NO.5																													
TOTALS																													

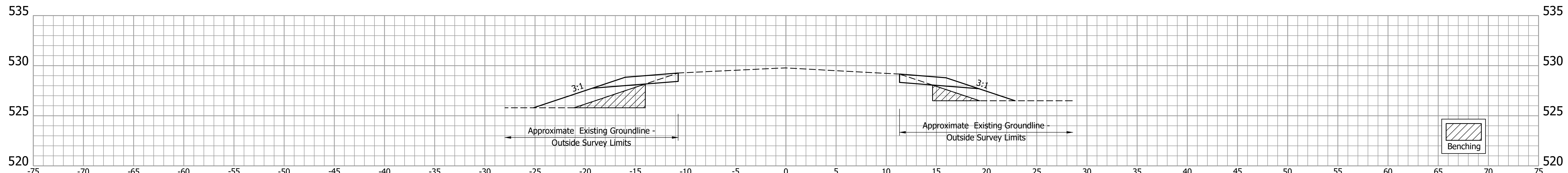
		<small>RECOMMENDED FOR APPROVAL</small> _____	<small>DESIGN ENGINEER</small> _____	<small>DATE</small> _____	INDIANA DEPARTMENT OF TRANSPORTATION	<small>HORIZONTAL SCALE</small> N/A	<small>BRIDGE FILE</small> 225-79-04016H
						<small>VERTICAL SCALE</small> N/A	<small>DESIGNATION</small> 2002077
		<small>DESIGNED: TSW</small> _____	<small>DRAWN: MEN</small> _____			<small>DRAWING NO.</small>	<small>SHEETS</small>
		<small>CHECKED: LLS</small> _____	<small>CHECKED: TSW</small> _____			21 of 41	<small>CONTRACT</small> B-43431



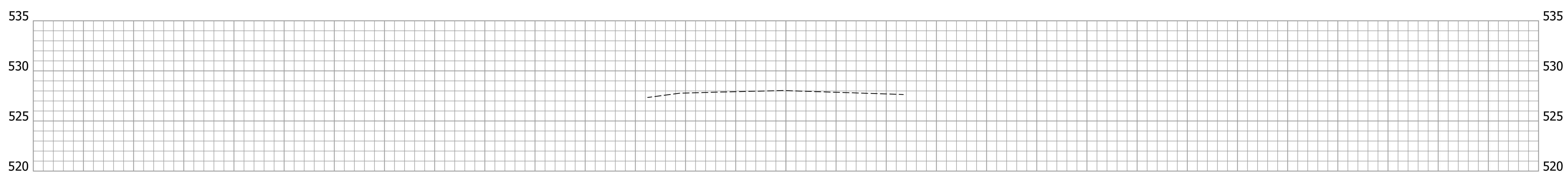
41
+
50



41
+
00



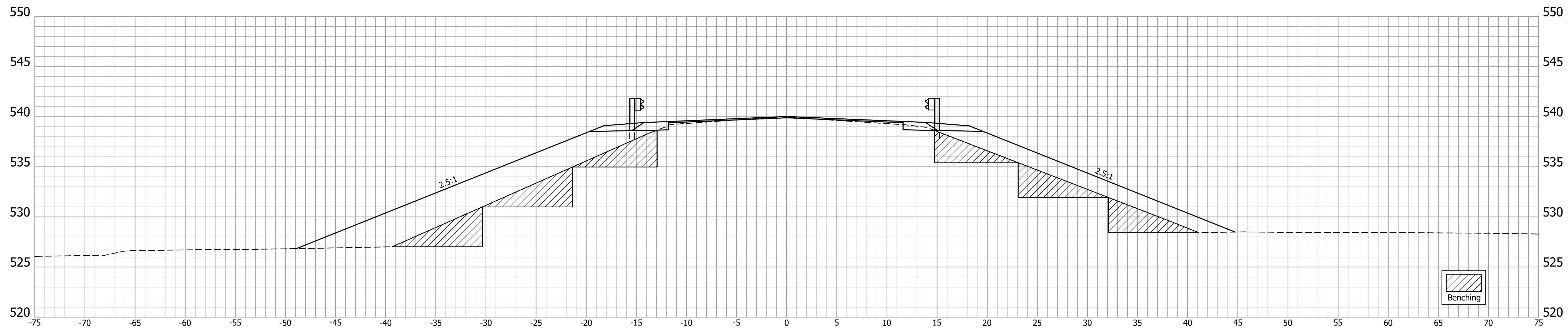
40
+
50



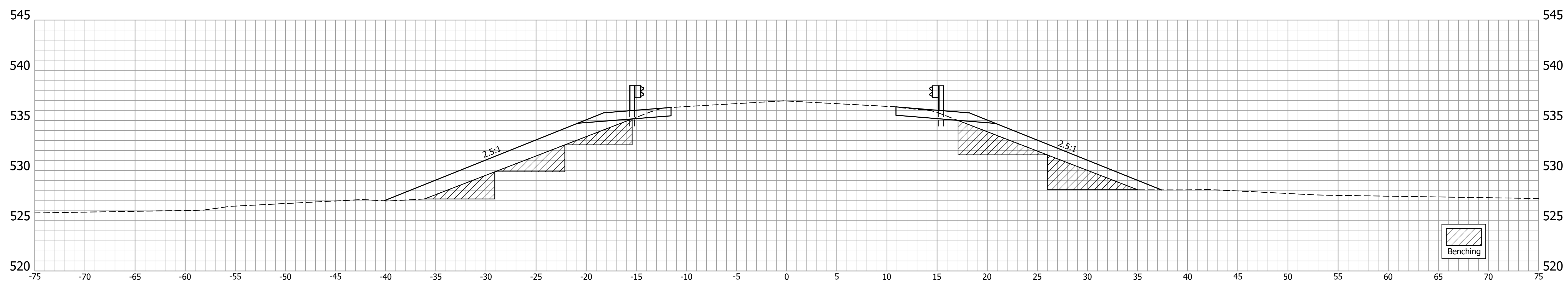
40
+
00

BEGIN INCIDENTAL CONSTRUCTION
STA. 40+00.00 "X"

	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
	DESIGNED: TSW	DRAWN: MEN			VERTICAL SCALE 1"=5'	DESIGNATION 2002077
	CHECKED: LLS	CHECKED: TSW			DRAWING NO.	SHEETS 23 of 41
					CONTRACT B-43431	PROJECT 2002077



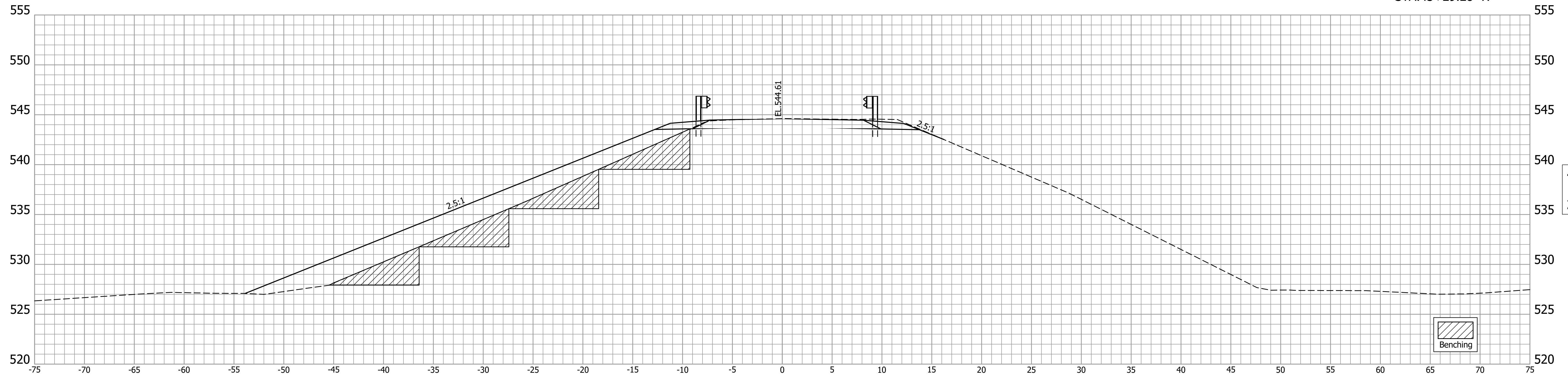
42
+
50



42
+
00

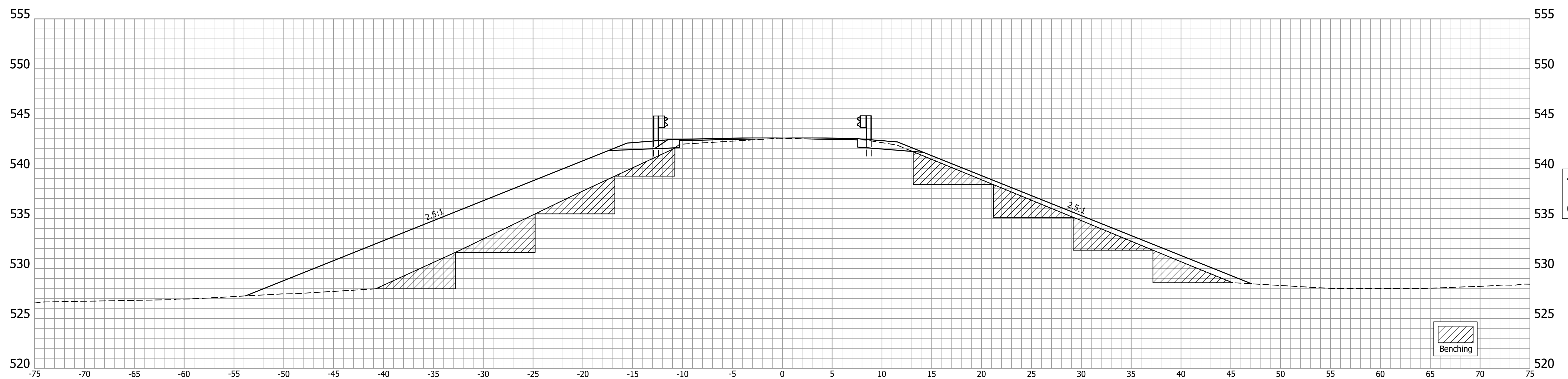
		RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
		DESIGNED: TSW _____	DRAWN: MEN _____			VERTICAL SCALE 1"=5'	DESIGNATION 2002077
		CHECKED: LLS _____	CHECKED: TSW _____			DRAWING NO.	SHEETS 24 of 41
						CONTRACT B-43431	PROJECT 2002077
CROSS SECTIONS LINE "X"							

BEGIN PAVING EXCEPTION
STA.43+29.28 "X"



43
+
25

Benching



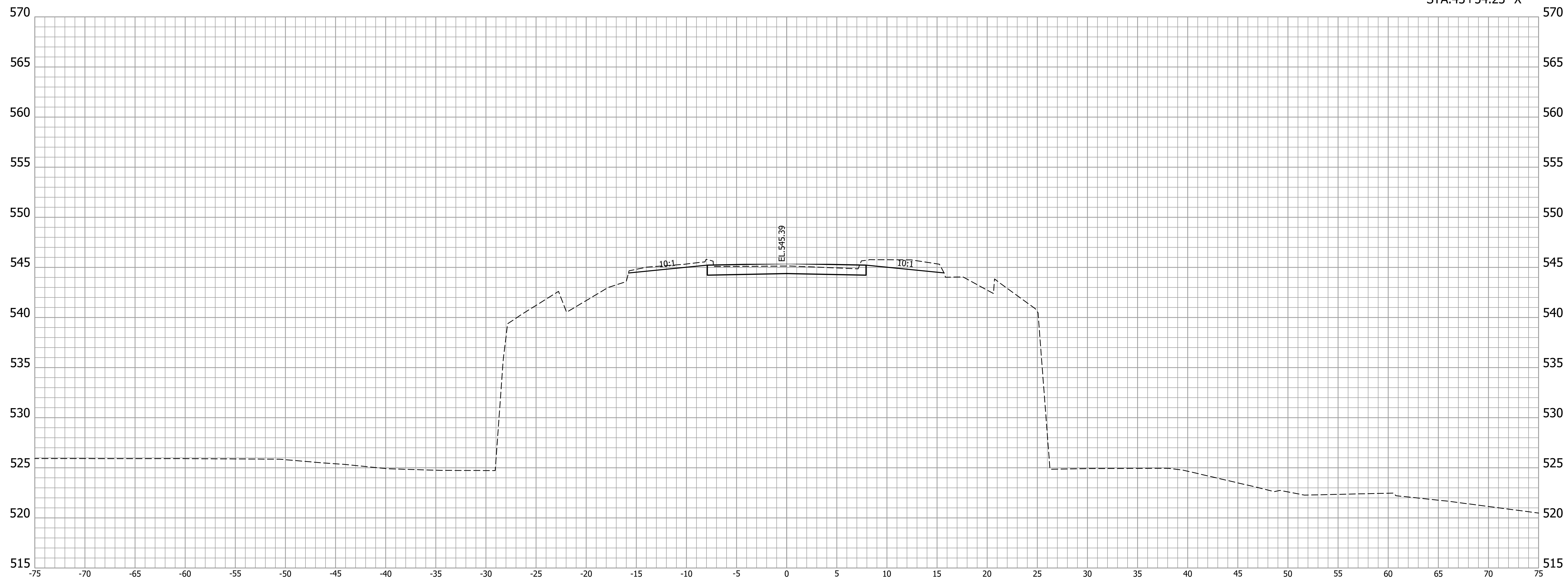
43
+
00

Benching

BEGIN PROJECT
STA.43+05.00 "X"

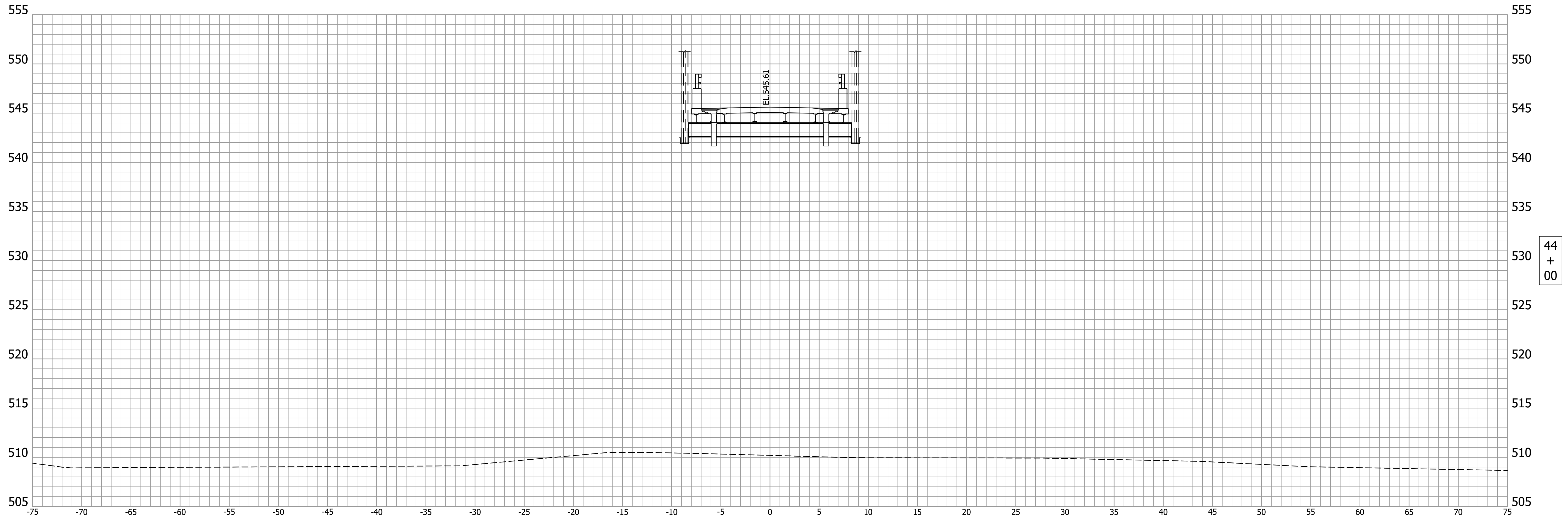
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		DESIGNED: TSW	DRAWN: MEN			VERTICAL SCALE 1"=5'	DESIGNATION 2002077
		CHECKED: LLS	CHECKED: TSW			DRAWING NO.	SHEETS 25 of 41
						CONTRACT B-43431	PROJECT 2002077
					CROSS SECTIONS LINE "X"		

BEGIN BRIDGE LIMITS
STA.43+54.23 "X"



43
+
50

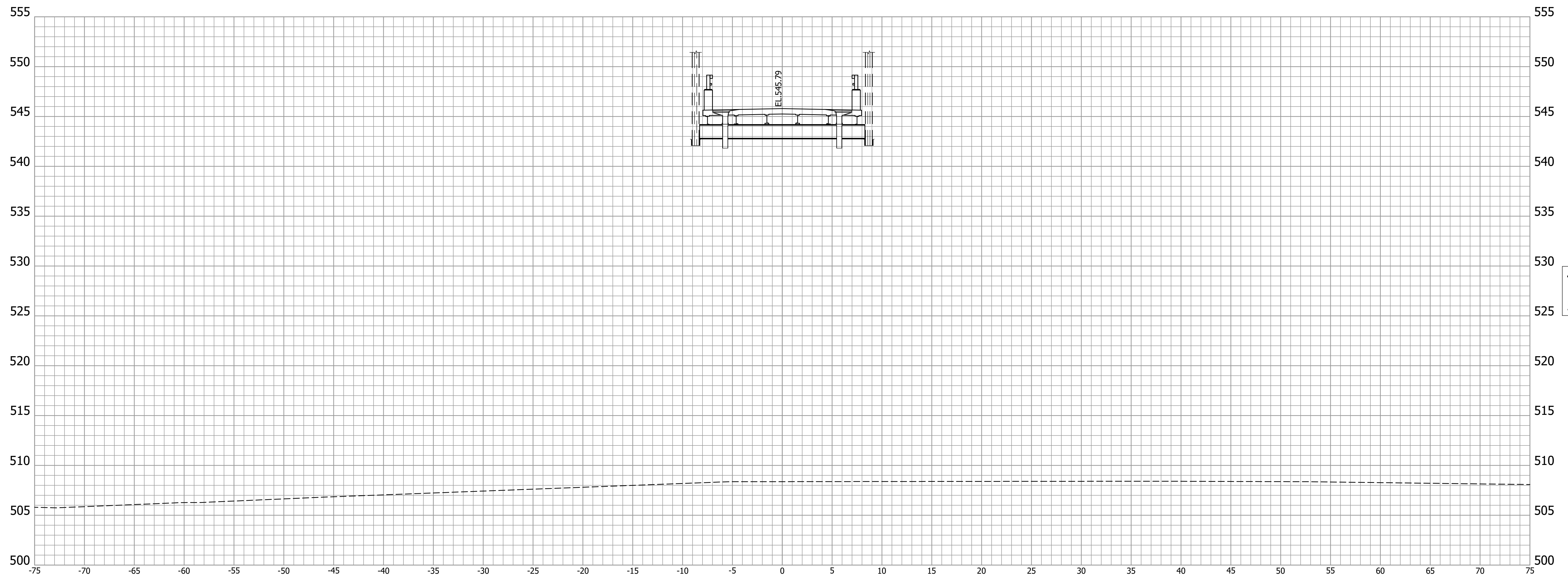
	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
	DESIGNED: TSW _____	DRAWN: MEN _____			VERTICAL SCALE 1"=5'	DESIGNATION 2002077
	CHECKED: LLS _____	CHECKED: TSW _____		CROSS SECTIONS LINE "X"	DRAWING NO.	SHEETS 26 of 41
					CONTRACT B-43431	PROJECT 2002077



RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "X"

HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1"=5'	DESIGNATION 2002077
DRAWING NO.	SHEETS 27 of 41
CONTRACT B-43431	PROJECT 2002077

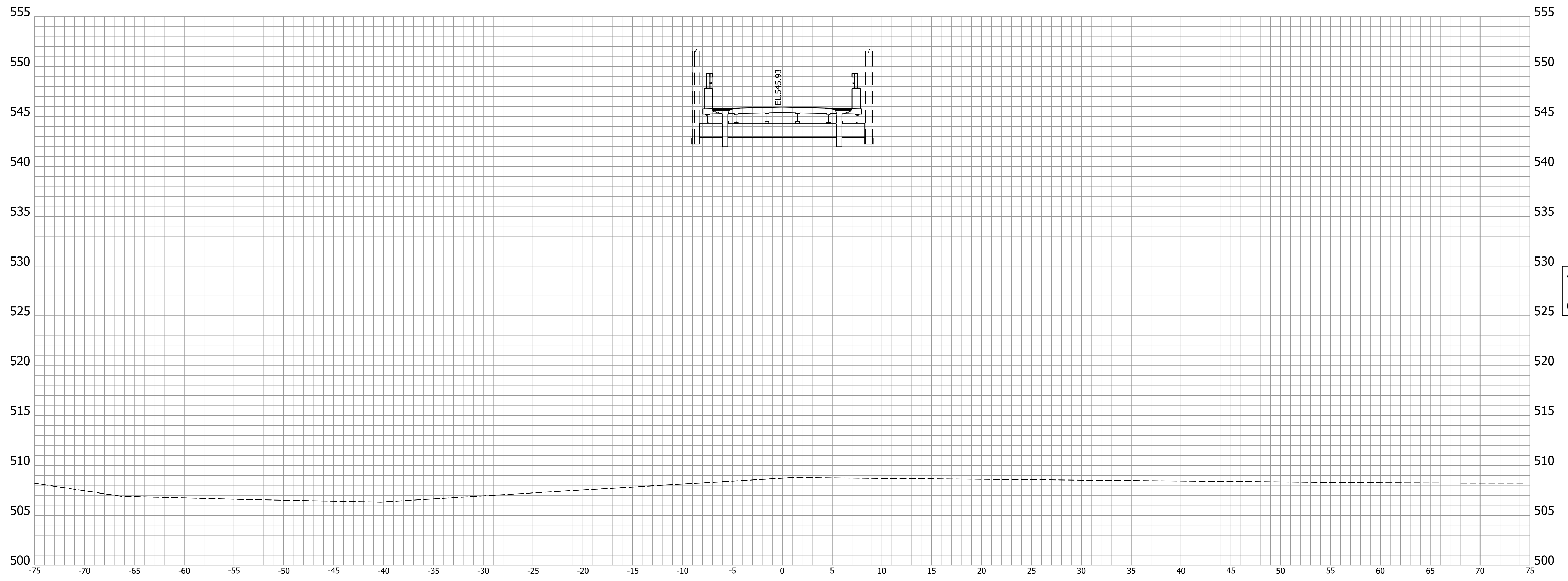


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
LINE "X"**

HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1"=5'	DESIGNATION 2002077
DRAWING NO.	SHEETS 28 of 41
CONTRACT B-43431	PROJECT 2002077

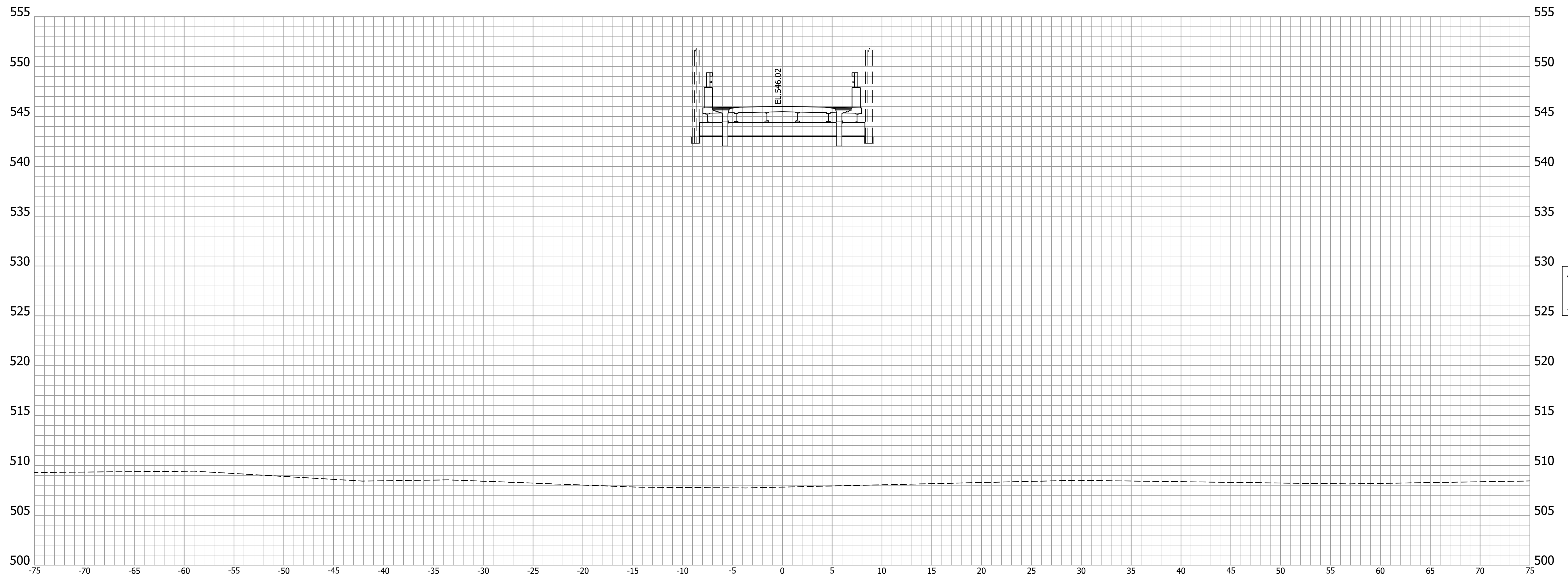


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
LINE "X"**

HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1"=5'	DESIGNATION 2002077
DRAWING NO.	SHEETS 29 of 41
CONTRACT B-43431	PROJECT 2002077

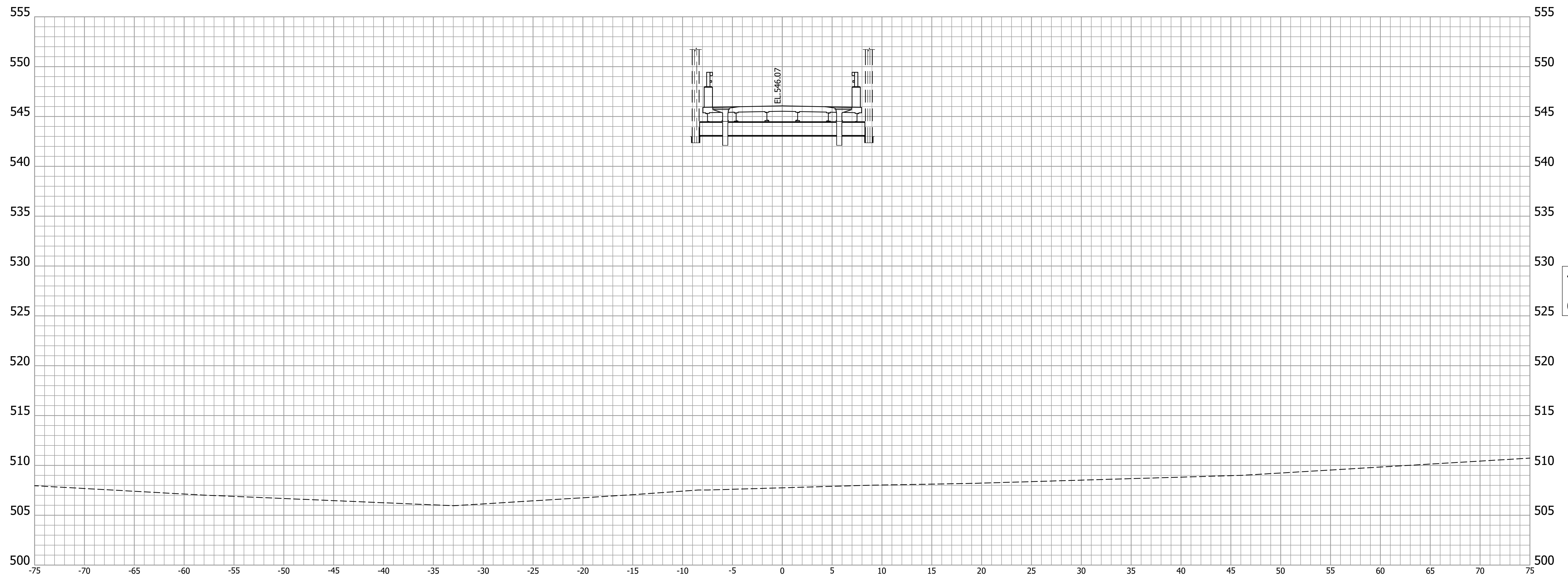


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
LINE "X"**

HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1"=5'	DESIGNATION 2002077
DRAWING NO.	SHEETS 30 of 41
CONTRACT B-43431	PROJECT 2002077

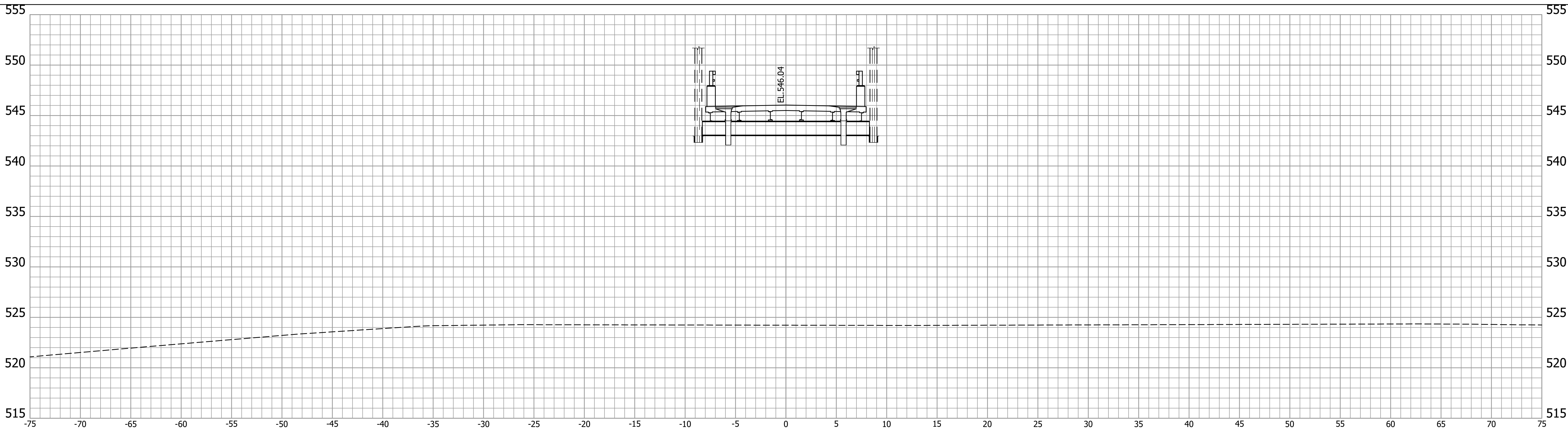


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

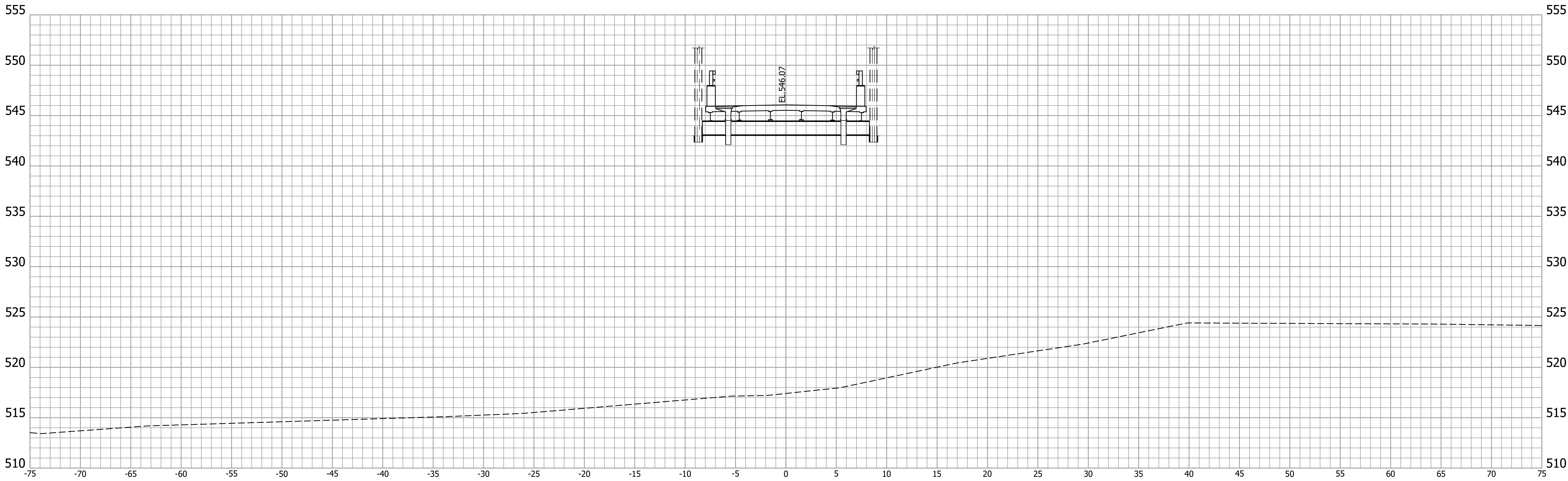
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
LINE "X"**

HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1"=5'	DESIGNATION 2002077
DRAWING NO.	SHEETS 31 of 41
CONTRACT B-43431	PROJECT 2002077

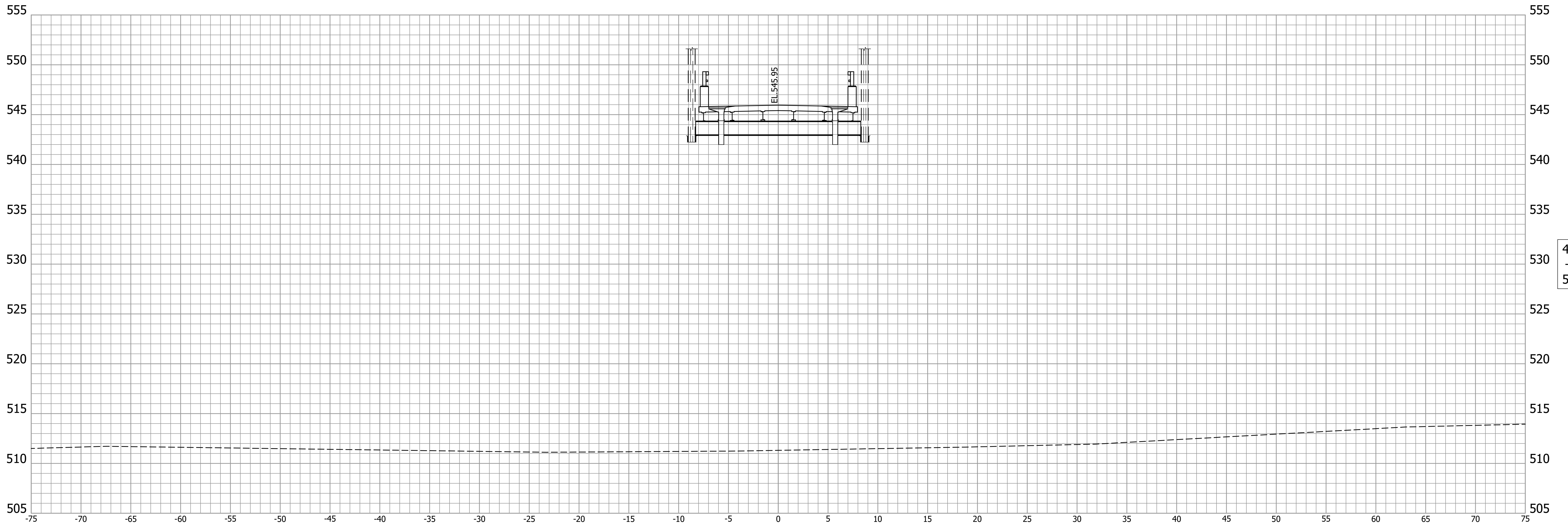


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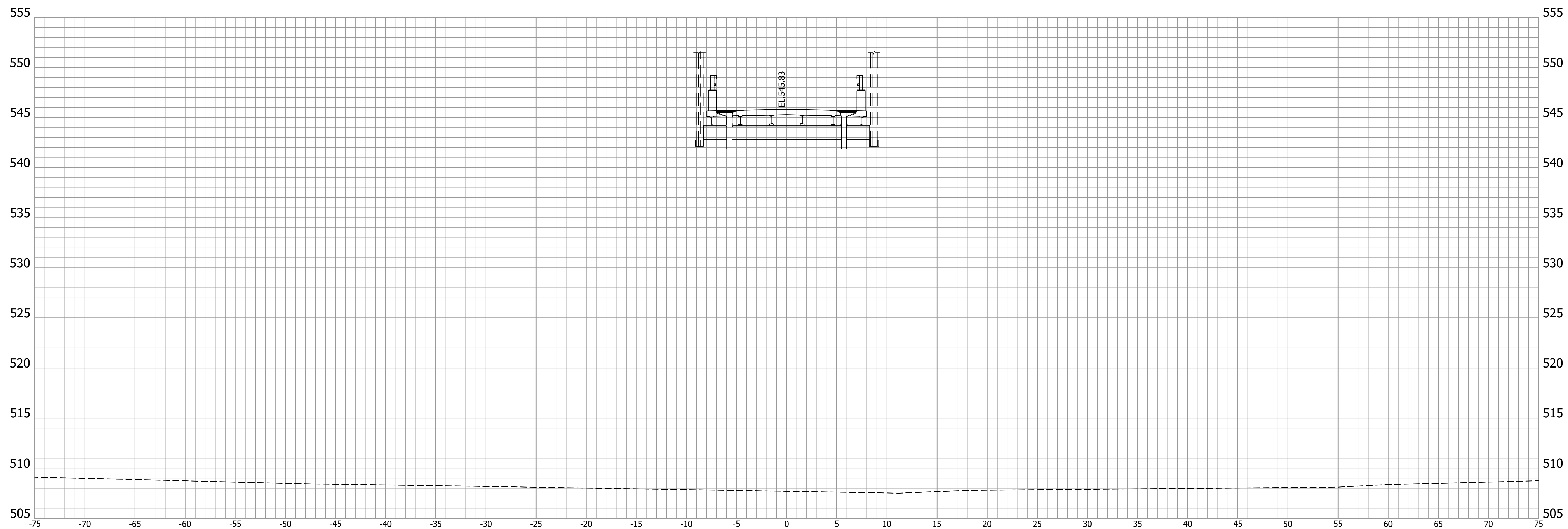
	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H		
				VERTICAL SCALE 1"=5'	DESIGNATION 2002077		
		DESIGNED: TSW	DRAWN: MEN	CROSS SECTIONS LINE "X"		DRAWING NO.	SHEETS 32 of 41
		CHECKED: LLS	CHECKED: TSW			CONTRACT B-43431	PROJECT 2002077



RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "X"

HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1"=5'	DESIGNATION 2002077
DRAWING NO.	SHEETS 33 of 41
CONTRACT B-43431	PROJECT 2002077

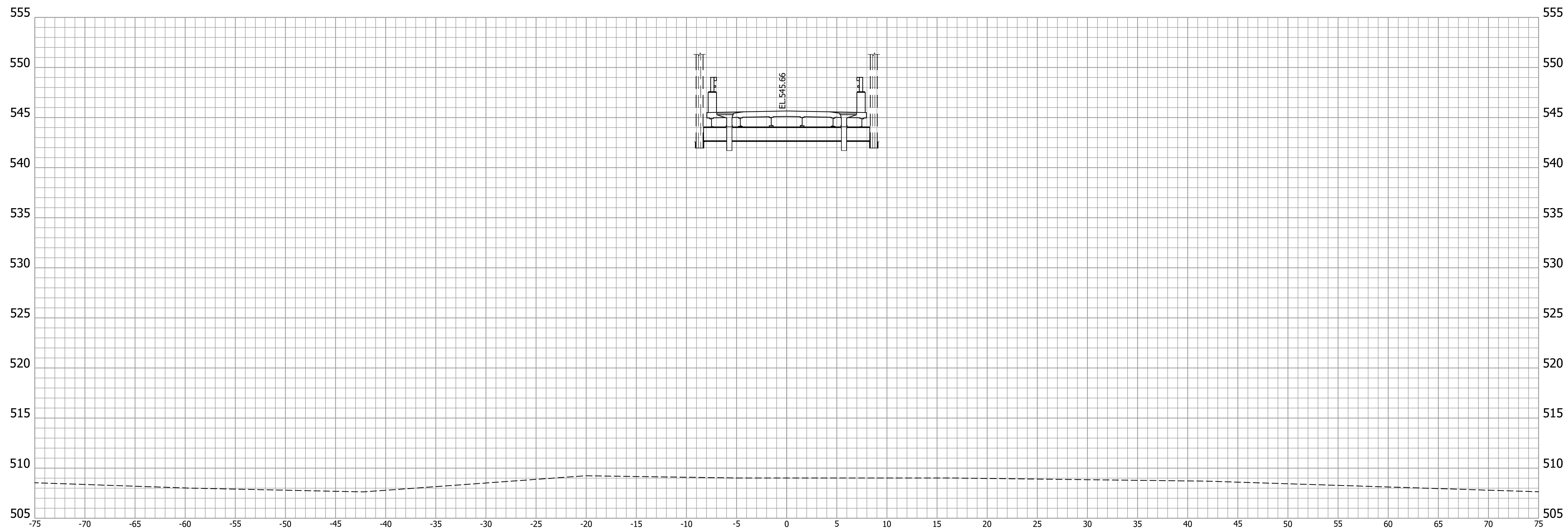


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
LINE "X"**

HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1"=5'	DESIGNATION 2002077
DRAWING NO.	SHEETS 34 of 41
CONTRACT B-43431	PROJECT 2002077

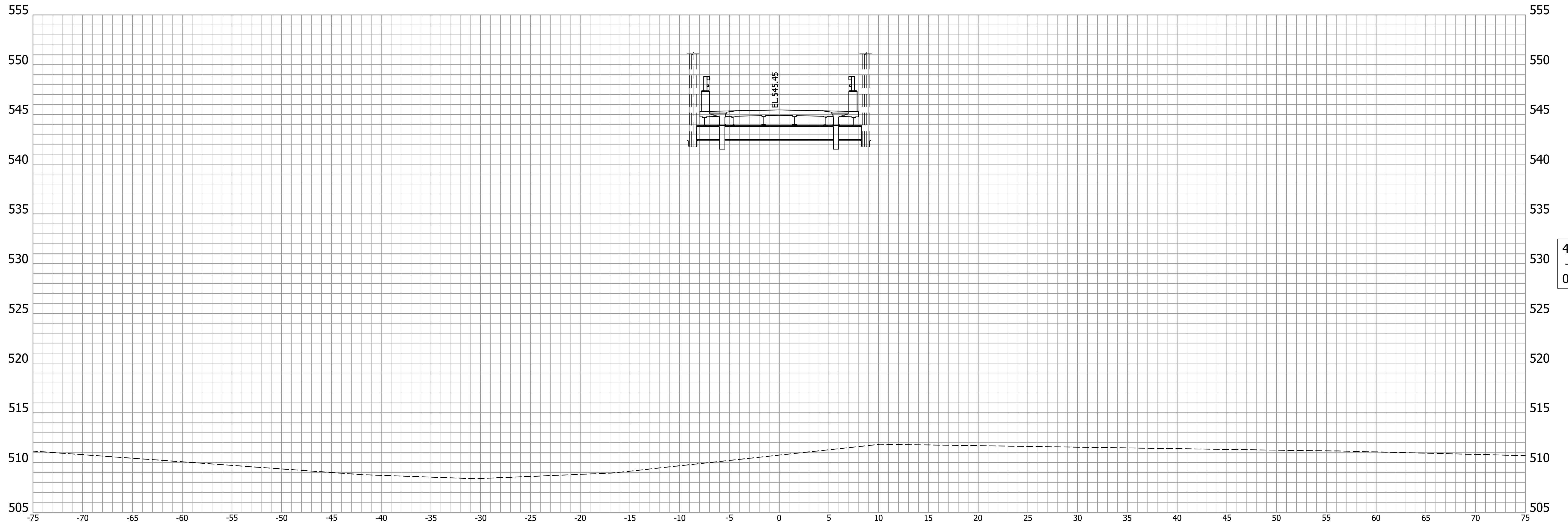


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
LINE "X"**

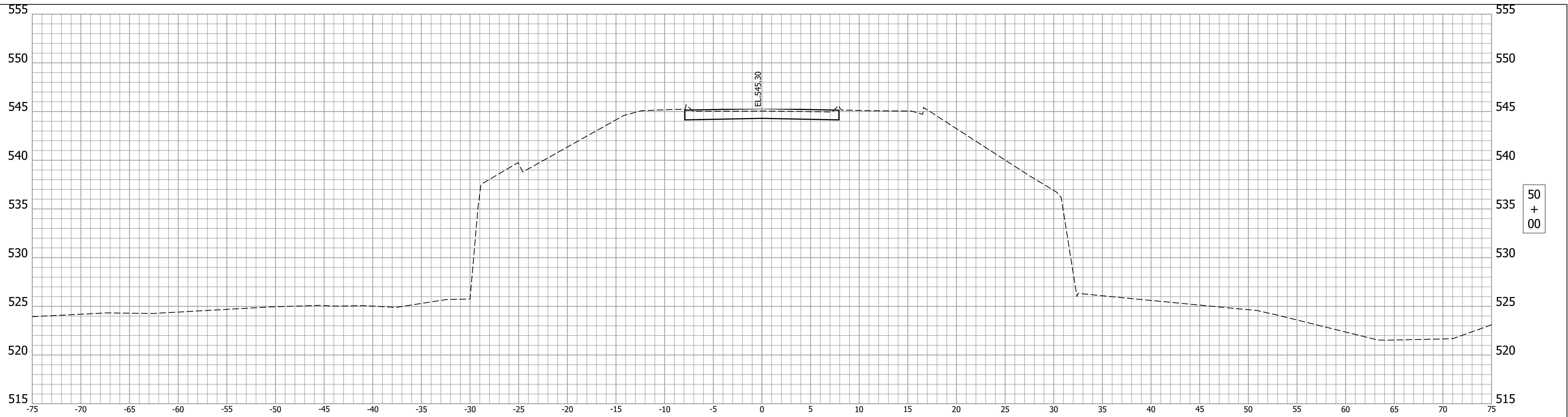
HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1"=5'	DESIGNATION 2002077
DRAWING NO.	SHEETS 35 of 41
CONTRACT B-43431	PROJECT 2002077



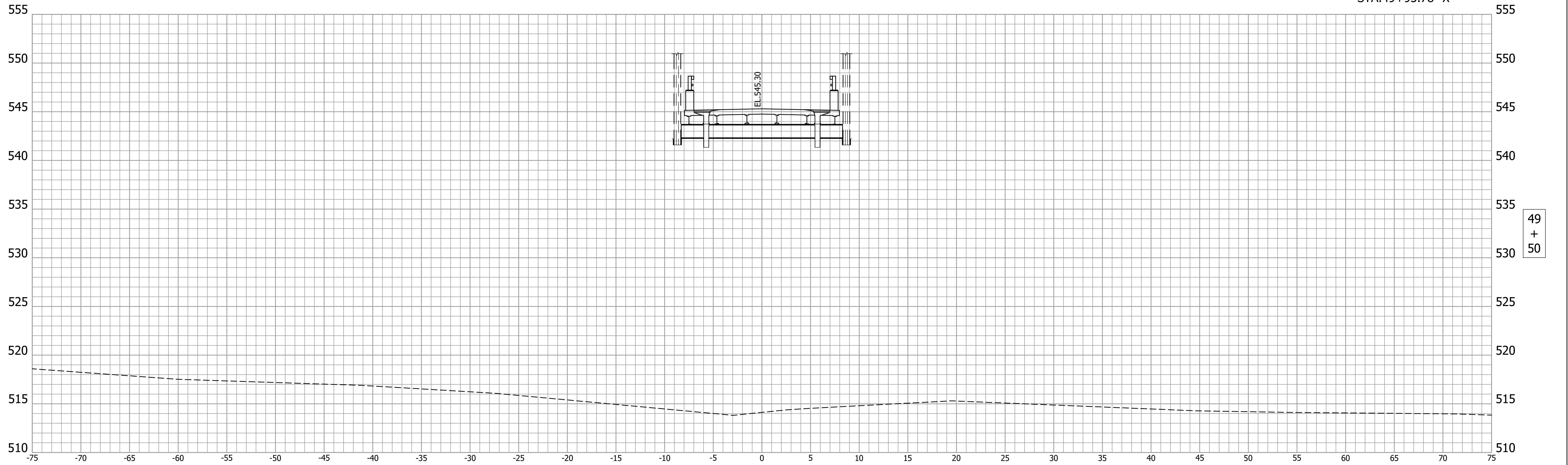
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: TSW _____	DRAWN: MEN _____	
CHECKED: LLS _____	CHECKED: TSW _____	

INDIANA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS LINE "X"

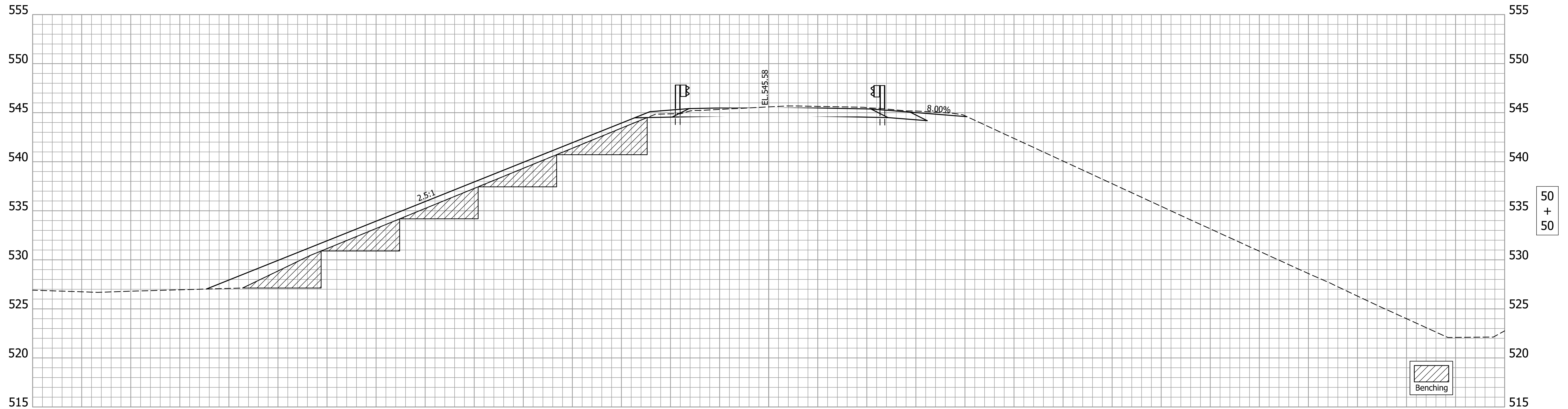
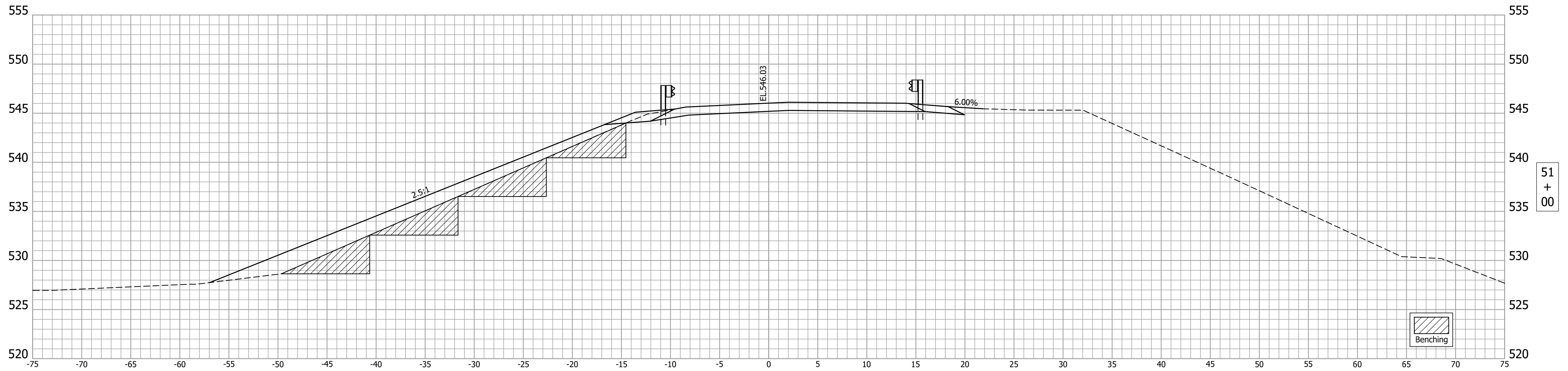
HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
VERTICAL SCALE 1"=5'	DESIGNATION 2002077
DRAWING NO.	SHEETS 36 of 41
CONTRACT B-43431	PROJECT 2002077



END BRIDGE LIMITS
STA. 49+95.78 "X"

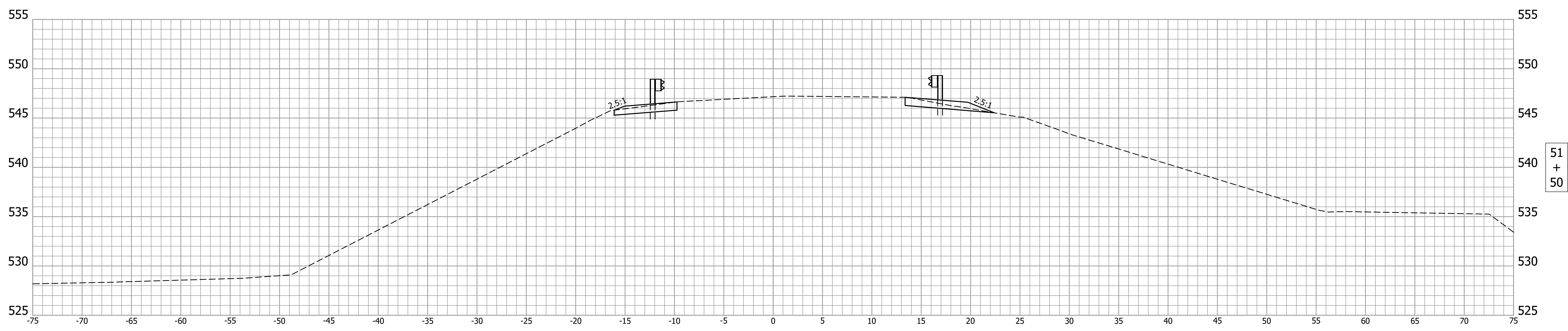
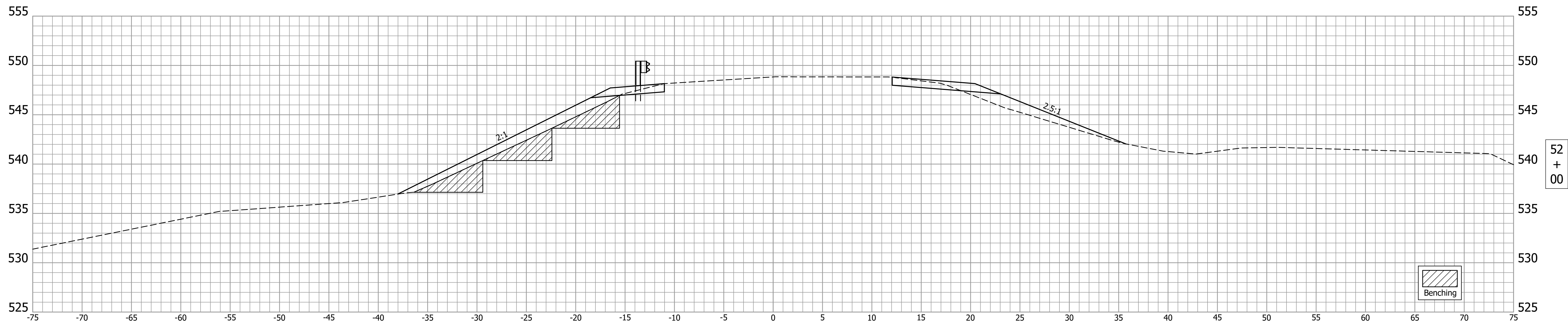


	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H		
				VERTICAL SCALE 1"=5'	DESIGNATION 2002077		
		DESIGNED: TSW	DRAWN: MEN	CROSS SECTIONS LINE "X"		DRAWING NO.	SHEETS 37 of 41
		CHECKED: LLS	CHECKED: TSW			CONTRACT B-43431	PROJECT 2002077

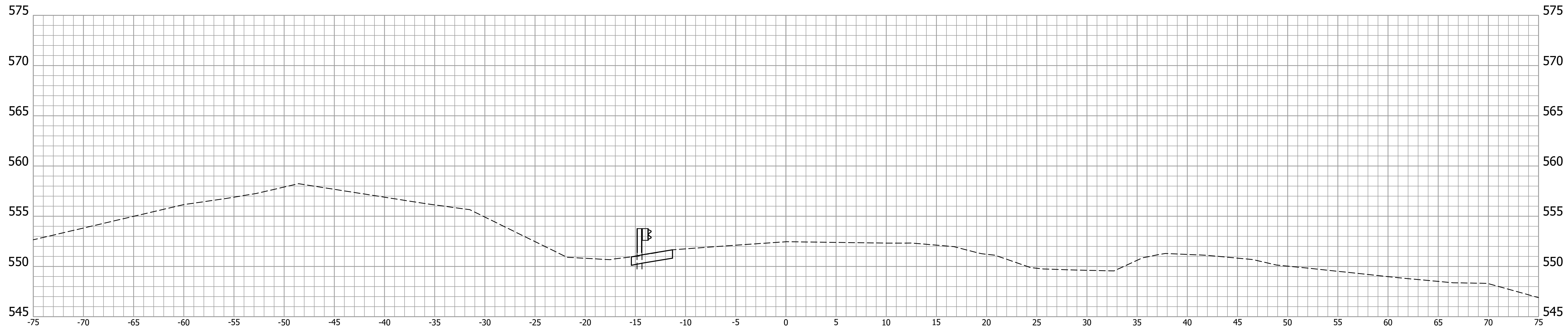


END PROJECT & END PAVING EXCEPTION
STA. 50+16.28 "X"

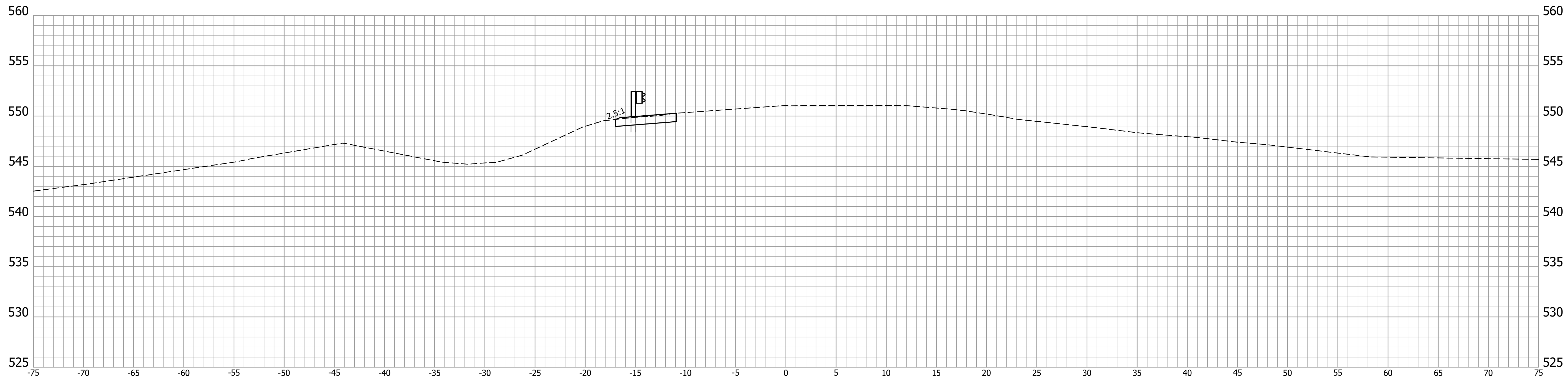
	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	VERTICAL SCALE 1"=5'	DESIGNATION 2002077
	DESIGNED: TSW DRAWN: MEN	DRAWING NO. _____ SHEETS 38 of 41	
	CHECKED: LLS CHECKED: TSW	CONTRACT B-43431 PROJECT 2002077	
CROSS SECTIONS LINE "X"			



		RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
		DESIGNED: TSW _____	DRAWN: MEN _____			VERTICAL SCALE 1"=5'	DESIGNATION 2002077
		CHECKED: LLS _____	CHECKED: TSW _____			DRAWING NO.	SHEETS 39 of 41
						CONTRACT B-43431	PROJECT 2002077
CROSS SECTIONS LINE "X"							



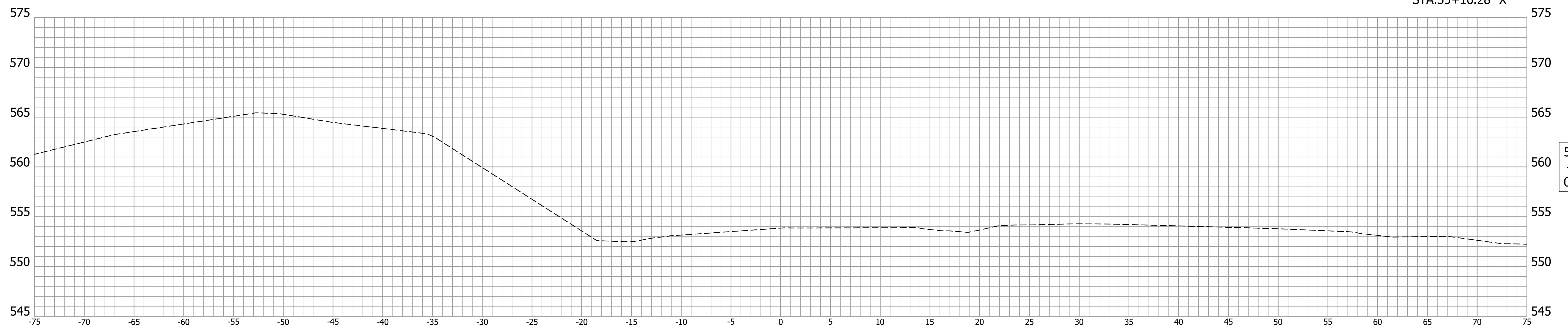
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		RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
		DESIGNED: TSW _____	DRAWN: MEN _____			VERTICAL SCALE 1"=5'	DESIGNATION 2002077
		CHECKED: LLS _____	CHECKED: TSW _____			DRAWING NO.	SHEETS 40 of 41
						CONTRACT B-43431	PROJECT 2002077
CROSS SECTIONS LINE "X"							

END INCIDENTAL CONSTRUCTION
STA.53+16.28 "X"



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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1"=5'	BRIDGE FILE 225-79-04016H
			VERTICAL SCALE 1"=5'	DESIGNATION 2002077
DESIGNED: TSW _____ DRAWN: MEN _____	CROSS SECTIONS LINE "X"		DRAWING NO.	SHEETS 41 of 41
CHECKED: LLS _____ CHECKED: TSW _____			CONTRACT B-43431	PROJECT 2002077