

### SAMPLE PLANS – SMALL STRUCTURE

*Reference: IDM 14 Plan Preparation*

The sample **small structure 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

DESIGNATION
9999999
CONTRACT
R-99999

1 Match Title Block Text Style

CULVERT ASSETS		
DES. NO.	CULVERT ASSET ID	WORK TYPE
9999999	CV 002-064-41.06	STRUCTURE REPLACEMENT
9999999	CLV-887	SMALL STR. REPLACEMENT
9999999	CLV-33347	SMALL STR. REPLACEMENT

2

KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
9999999	BRIDGE NO. 002-064-07012; REPLACEMENT (LEAD DES)
9999999	BRIDGE NO. 002-064-07575; REPLACEMENT

14

- REQUIRED ELEMENTS:**
- Project Information Block (Upper Left and Lower Right Corners)
  - Culvert Assets Table
  - Project Numbers
  - Reference Post
  - Project Work Description
  - Project Location Map:
    - North Arrow & Scale
    - Begin & End Project Callouts
  - Traffic/Design Data Table
    - See IDM Fig. 14-3C for acceptable values for Design Data Table
  - County Location Map
  - Latitude & Longitude
  - Project Length Table
    - Do not include length of S-lines
    - Do not include length of incidental construction
  - Hydrologic Unit Code (Where needed for a waterway permit application, typ. HUC 12)
  - Standard Specification Reference
  - Signature Block & PE Seal
  - Kin Project Information Table (when Applicable)
  - Owner & LPA Employee in Responsible Charge (ERC) signatures (LPA Projects Only)

**PURPOSE:**  
The purpose of the title sheet is to provide an overview of the project, including project data, design data, project location, and approval signatures.

Name, Title	Date
Name, Title	Date
Name, Employee in Responsible Charge	Date

15

# INDIANA DEPARTMENT OF TRANSPORTATION



## ROAD PLANS

Text Height = 0.70"

ROUTE: SR 2

FROM: RP 41+15 TO: RP 41+15

4 Text Height = 0.40"

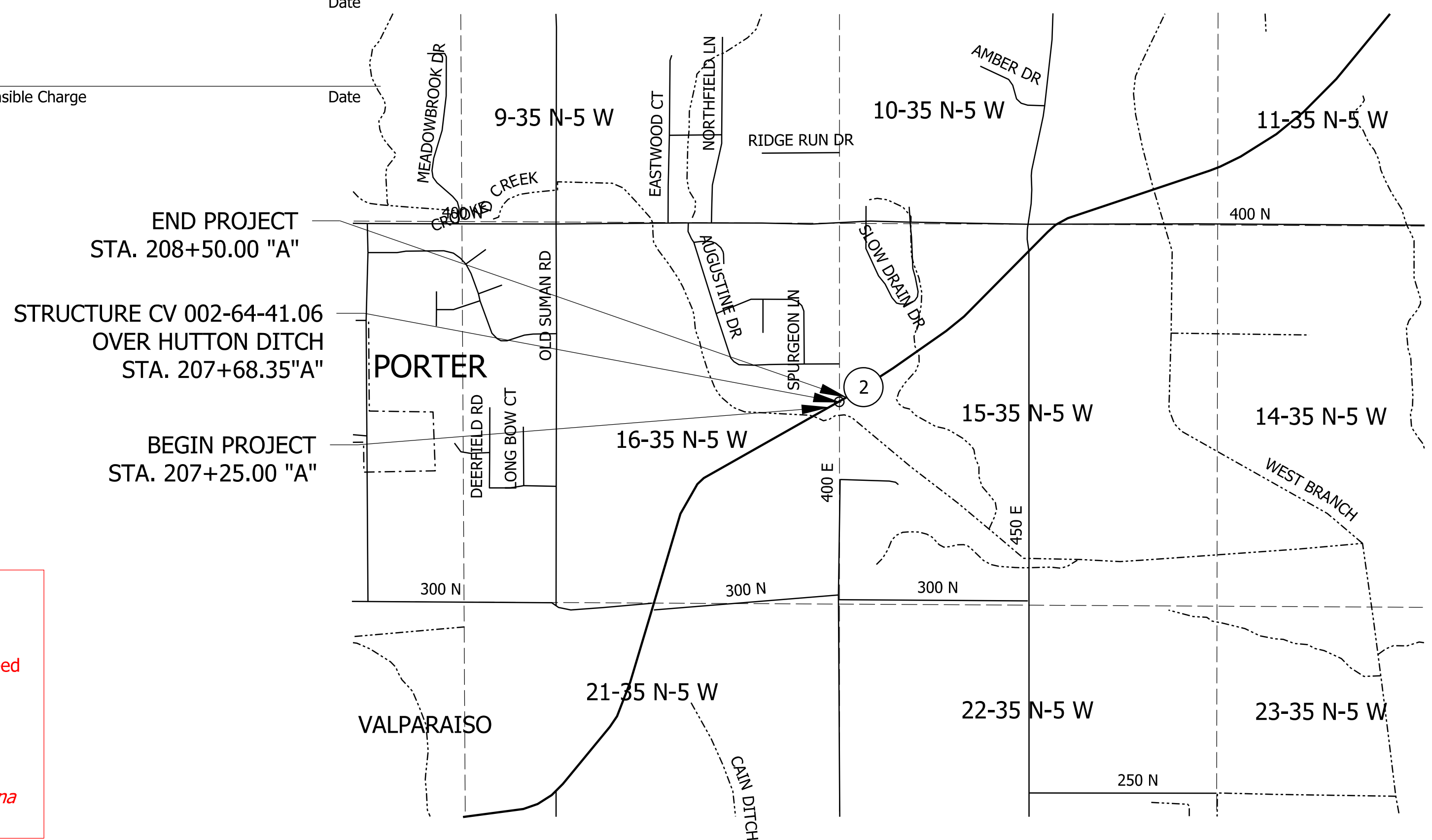
DESIGNATION NO. 9999999

NO ADDITIONAL RIGHT OF WAY REQUIRED FOR THIS PROJECT  
This note placed only when applicable.

REPLACEMENT OF STRUCTURE NO. 002-64-07012 OVER HUTTON DITCH LOCATED ON STATE ROAD 2, 2.28 MILES EAST OF THE JUNCTION WITH SR 49, IN SECTION 15 & 16, T-35-N, R-5-W WASHINGTON TOWNSHIP, PORTER COUNTY, INDIANA.

5

A complete description of the location for the project must be shown. This is not the survey legal description.  
Location Description: 18 Pt Text



3 Text Height = 0.46"

8 Text Style: 14 Pt Text

9 Text Style: 14 Pt Text

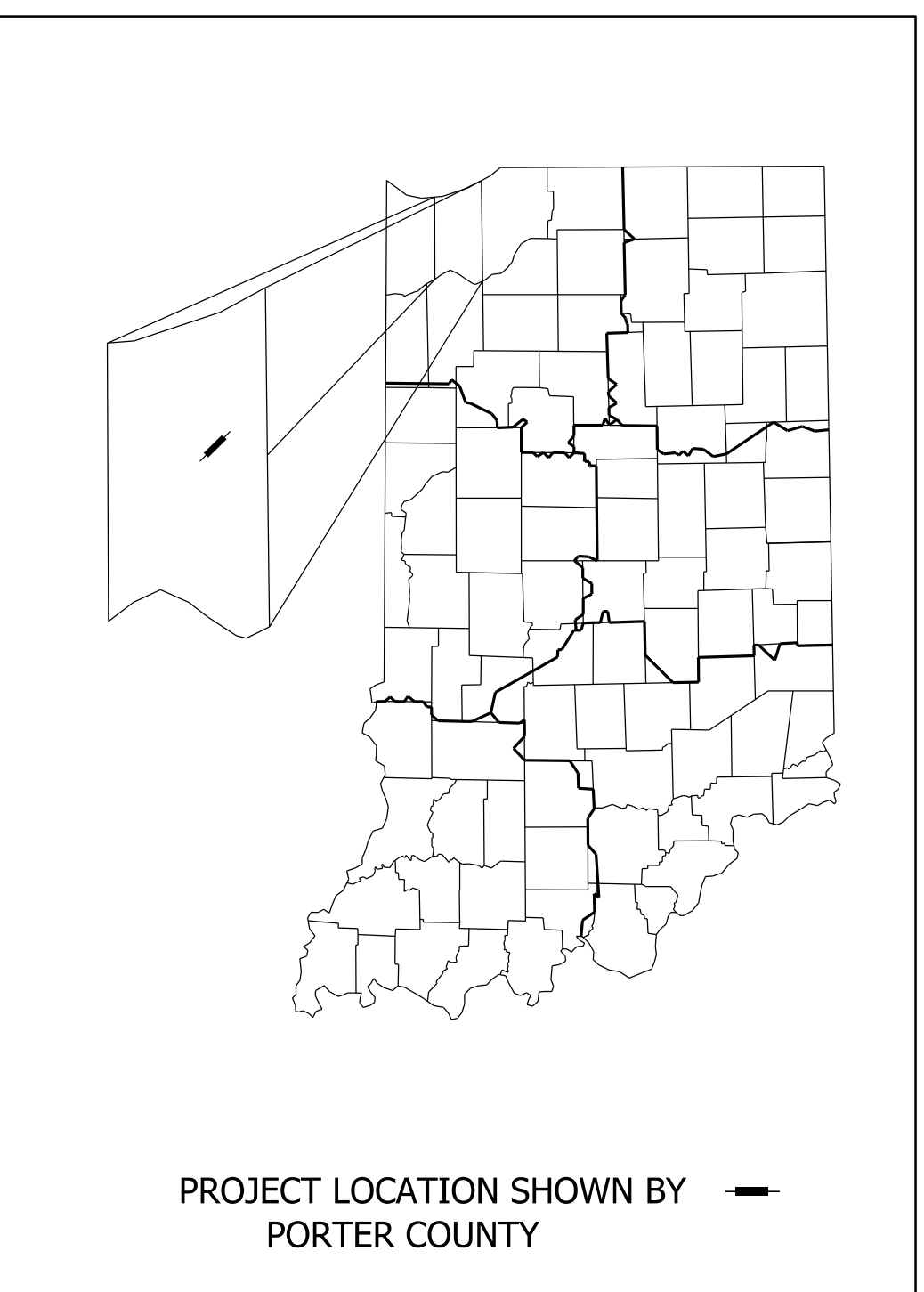
10 Text Style: 14 Pt Text

12 Text Style: 14 Pt Text

TRAFFIC DATA		
A.A.D.T. (20XX)		9,309 V.P.D.
A.A.D.T. (20XX)		9,526 V.P.D.
D.H.V (20XX)		897 V.P.H.
DIRECTIONAL DISTRIBUTION		47.72 %
TRUCKS		12.50 % A.A.D.T. 9.42 % D.H.V.

DESIGN DATA	
DESIGN SPEED	50 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

7 Typ. All Tables on Title Sheet:  
Table Title Text Height = 0.25"  
Table Data: 12 Pt Text



LATITUDE: 41°29'08" N LONGITUDE: 86°59'18" W

GROSS LENGTH:	0.025 MI.
NET LENGTH:	0.025 MI.
MAX. GRADE:	-0.63 %

Show lengths to three decimal places. Do not round.

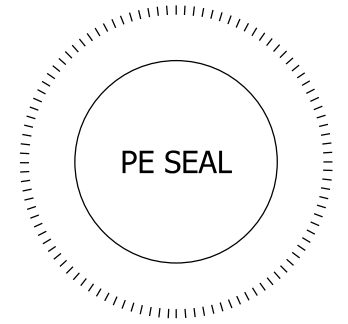
HUC12: 071200011002

12 INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS DATED 20XX  
TO BE USED WITH THESE PLANS

**INTENDED USE AND DISCLAIMER INFORMATION:**  
This set of sample plan sheets is provided for illustrative purposes only. The callouts and notes in this sample plan are intended only to show a need for a callout, level of specificity, and its expected appearance. INDOT makes no guarantee of the accuracy of data used for this hypothetical project although every attempt has been made to produce a reasonable design in accordance with the current *Indiana Design Manual*. The Designer must determine specific content of notes for his/her individual project. In the event of a conflict, the policies stated in the current *Indiana Design Manual* and *INDOT CAD Standards Manual* will govern.

**INFORMATION ONLY**

13 Title Block Text:  
Labels: 10 Pt Text  
Signature: 12 Pt Text



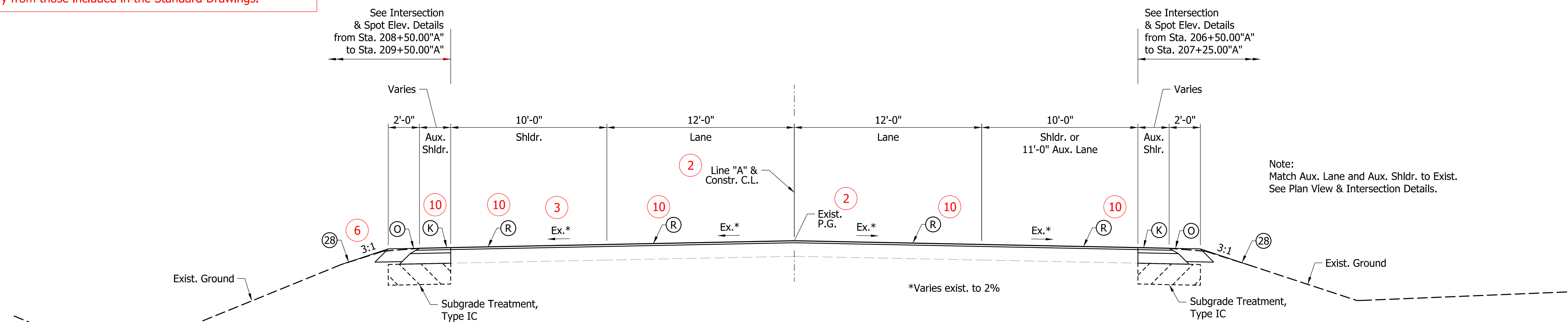
PLANS PREPARED BY:	PHONE NUMBER
CERTIFIED BY:	DATE
RECOMMENDED FOR LETTING:	DATE

INDIANA DEPARTMENT OF TRANSPORTATION

DESIGNATION	9999999
SHEETS	1 of 21
CONTRACT	R-99999



**PURPOSE:**  
The purpose of the typical sections sheet is to show materials, details, and dimensions for roadway sections that vary from those included in the Standard Drawings.

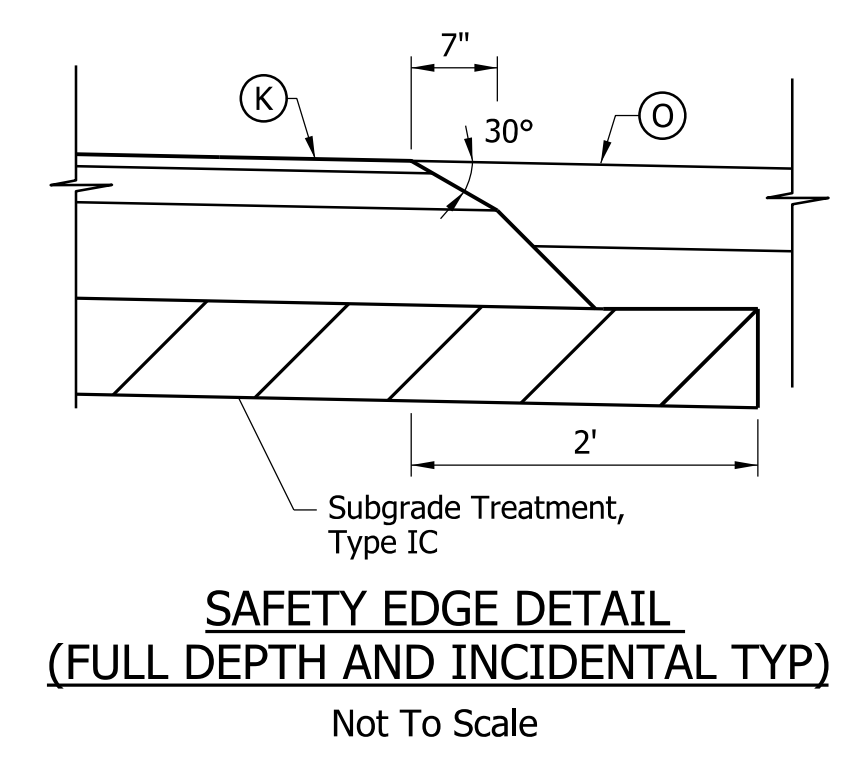


Aux. Shldr. Width Varies:  
Sta. 206+50.00"A" 0'-0"  
Sta. 207+25.00"A" 0'-0"  
Sta. 206+50.00"A" 12'-7"  
Sta. 209+00.00"A" 2'-5"

**INCIDENTAL CONSTRUCTION**  
STA. 206+50.00 "A" TO STA. 207+25.00 "A"  
STA. 208+50.00 "A" TO STA. 209+00.00 "A"

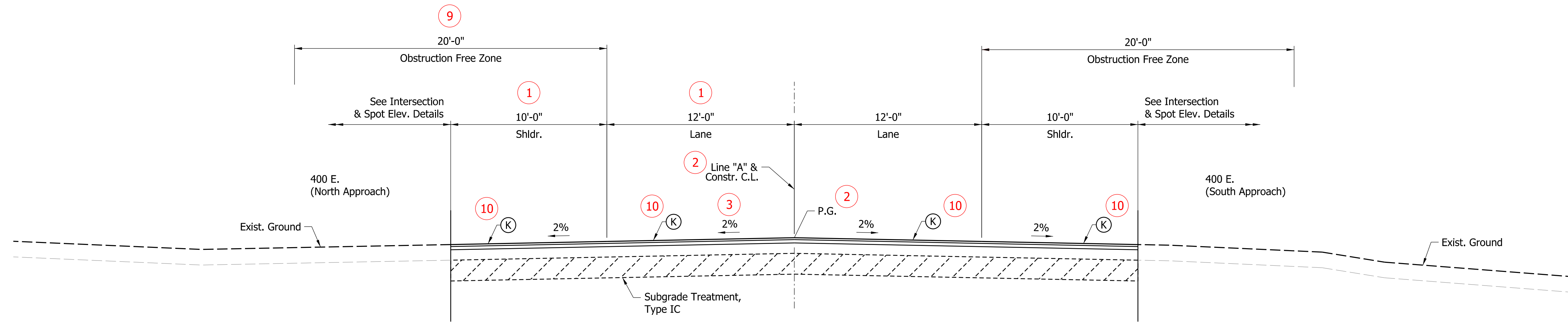
Typ. All Sections:  
Section Title: 18 Pt Text  
Section Sub-Title: 14 Pt Text  
Dimensions and Text Callouts: 12 Pt Text

Aux. Shldr. Width Varies:  
Sta. 206+50.00"A" 3'-8"  
Sta. 207+00.00"A" 48'-1"  
Sta. 207+00.01"A" 0'-0"  
Sta. 207+25.00"A" 0'-0"  
Sta. 208+50.00"A" 0'-0"  
Sta. 209+00.00"A" 0'-0"

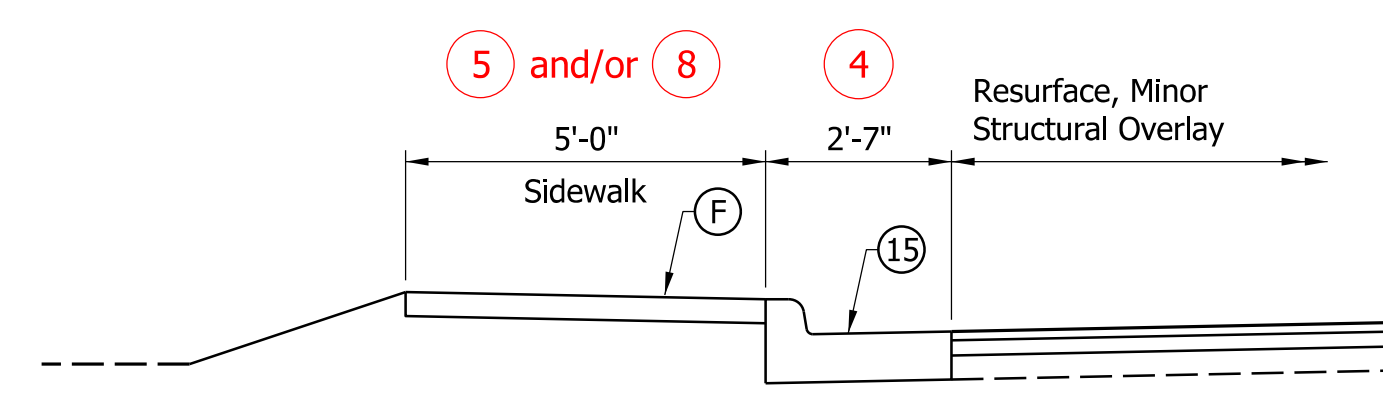


**SAFETY EDGE DETAIL**  
(FULL DEPTH AND INCIDENTAL TYP)  
Not To Scale

- LEGEND**
- (F) Sidewalk, Concrete
  - (10) (K) Full Depth HMA Pavement:  
165 #/Syd. QC/QA-HMA, 3, 58H, Surface, 9.5 mm on  
275 #/Syd. QC/QA-HMA, 3, 58H, Intermediate, 19.0 mm on  
880 #/Syd. QC/QA-HMA, 3, 58S, Base, 25.0 mm on  
Subgrade Treatment, Type IC
  - (O) Variable-Depth Compacted Aggregate, No. 53
  - (10) (R) Mill and Resurface:  
165 #/Syd. QC/QA-HMA, 3, 58H, Surface, 9.5 mm on  
Transition Milling  
Note: Seal cracks 0.25 in. or greater. Sealed cracks  
shall not be overbanded.
  - (15) Curb & Gutter, Concrete, Combined
  - (28) Mulched Seeding, R



**TYPICAL SECTION**  
STA. 207+25.00 "A" TO STA. 208+50.00 "A"

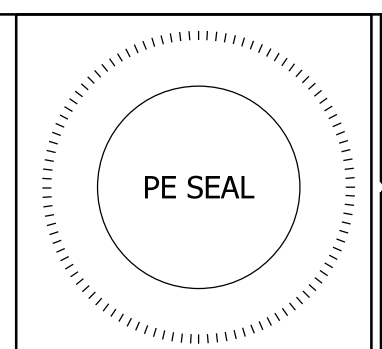


**SIDEWALK DETAIL**  
STA. 209+50.00 "A" TO STA. 212+00.00 "A"

- REQUIRED ELEMENTS**
- (1) Lane & Shoulder Widths
  - (2) Profile Grade, Construction Centerline, Paper Relocation Line, and Survey Line Locations
  - (3) Cross Slopes
  - (4) Curbs & Gutters
  - (5) Sidewalk Locations & Widths
  - (6) Side Slopes
  - (7) Ditches
  - (8) Bicycle Facilities
  - (9) Clear Zone (4R Projects) or Obstruction-Free Zone (3R Projects)
  - (10) Pavement Design
  - (11) Legend (see IDM Fig. 14-3A for recommended plan legends)
  - (12) Signature Block & PE Seal

Plot: 12/1/2025 9:14 AM

Title Block Text:  
Labels: 10 Pt Text  
Signature: 12 Pt Text



RECOMMENDED FOR APPROVAL	<i>ENG SIGNATURE</i>	M/D/YY
DESIGNED:	XXX M/YY	DRAWN: XXX M/YY
CHECKED:	XXX M/YY	CHECKED: XXX M/YY

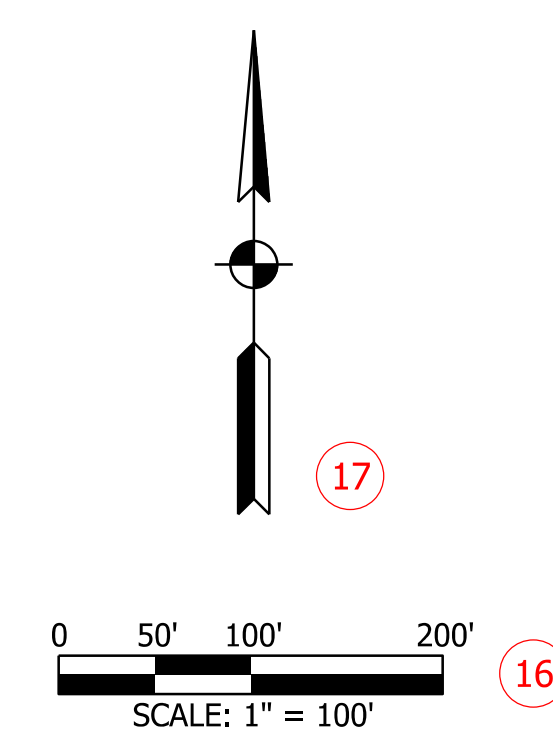
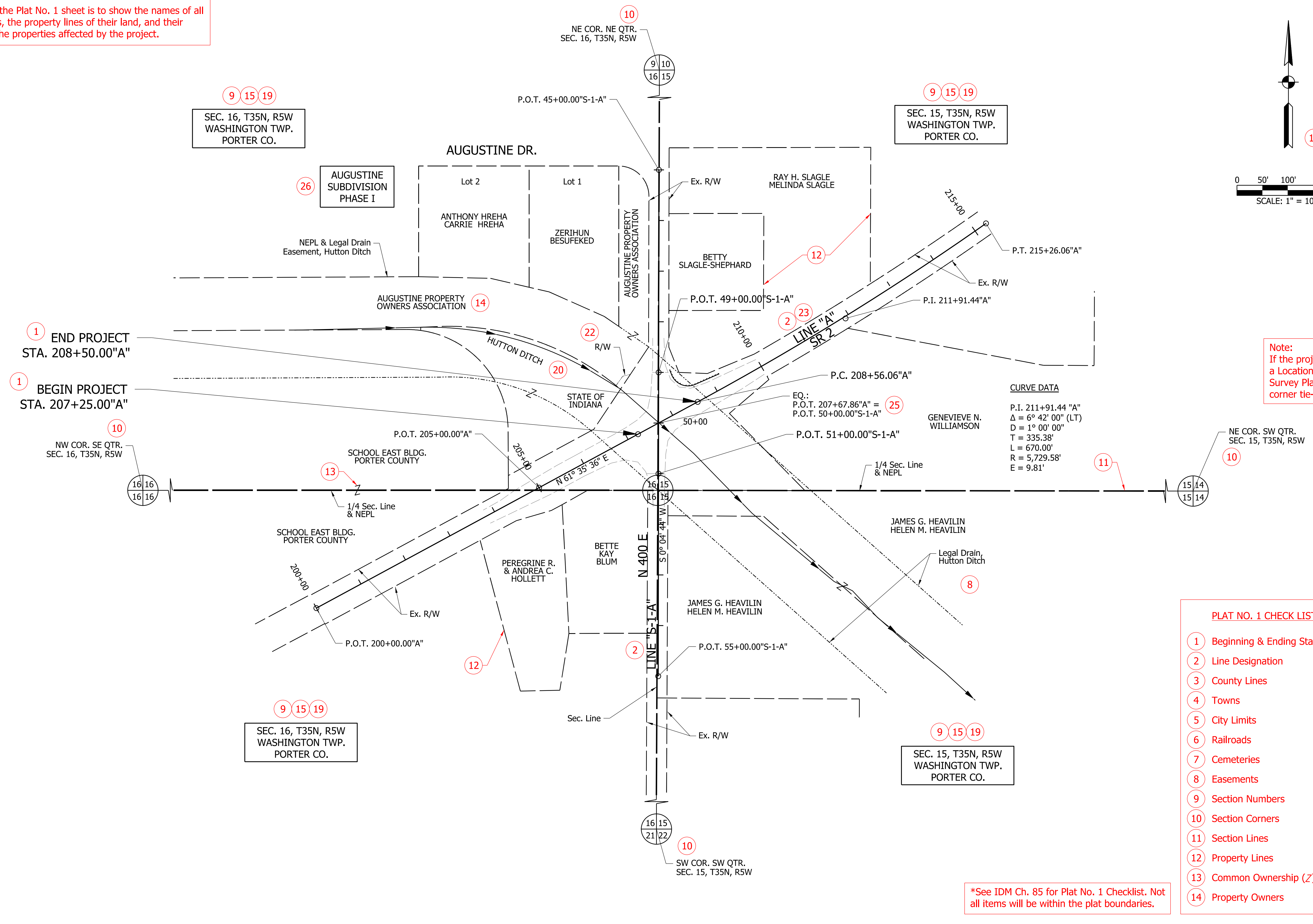
INDIANA  
DEPARTMENT OF TRANSPORTATION

**TYPICAL CROSS SECTIONS  
LINE "A"**

SCALE	BRIDGE FILE
1"=4'	
	DESIGNATION
	9999999
	SHEETS
	3 of 21
	CONTRACT
	R-99999

**PURPOSE**

The purpose of the Plat No. 1 sheet is to show the names of all property owners, the property lines of their land, and their relationship to the properties affected by the project.



Note:  
If the project does not have a Location Control Route Survey Plat, include section corner tie-ins.

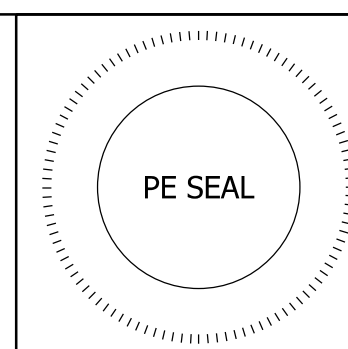
**PLAT NO. 1 CHECK LIST\***

1 Beginning & Ending Stations	15 Township & Range
2 Line Designation	16 Scale
3 County Lines	17 North Arrow
4 Towns	18 Landlocked Ares
5 City Limits	19 County & Civil Townships
6 Railroads	20 Identify Crossing & Flow Direction
7 Cemeteries	21 Stationing at 100-ft
8 Easements	22 Permanent & Temporary Right-of-Way Labeled
9 Section Numbers	23 Road Names
10 Section Corners	24 Mitigation Sites Delineated & Labeled
11 Section Lines	25 Station Equations
12 Property Lines	26 Subdivision Names & Lot Numbers
13 Common Ownership (Z)	27 Signature Block & PE Seal

\*See IDM Ch. 85 for Plat No. 1 Checklist. Not all items will be within the plat boundaries.

Plot: 12/1/2025 9:15 AM

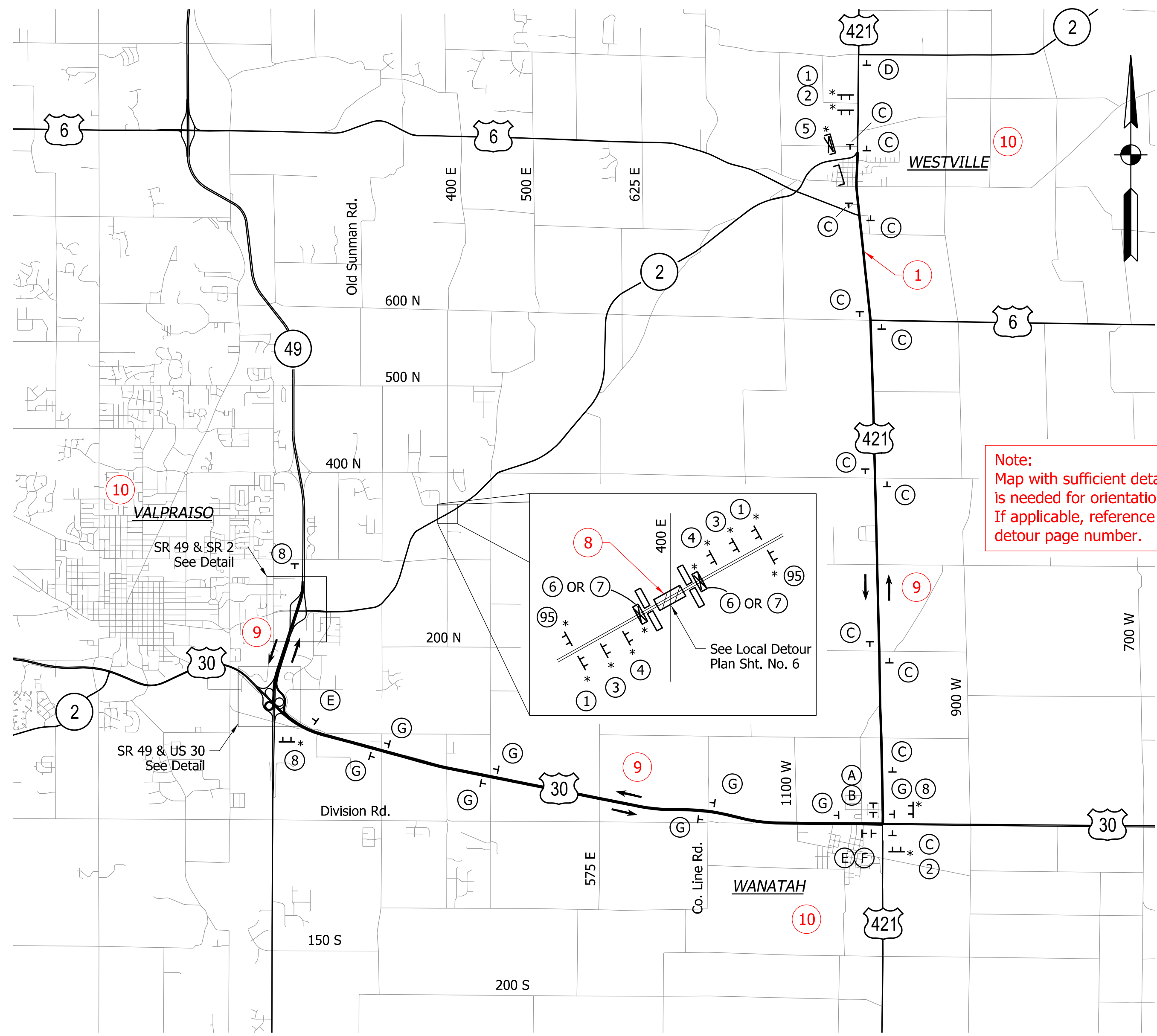
**Title Block Text:**  
Labels: 10 Pt Text  
Signature: 12 Pt Text



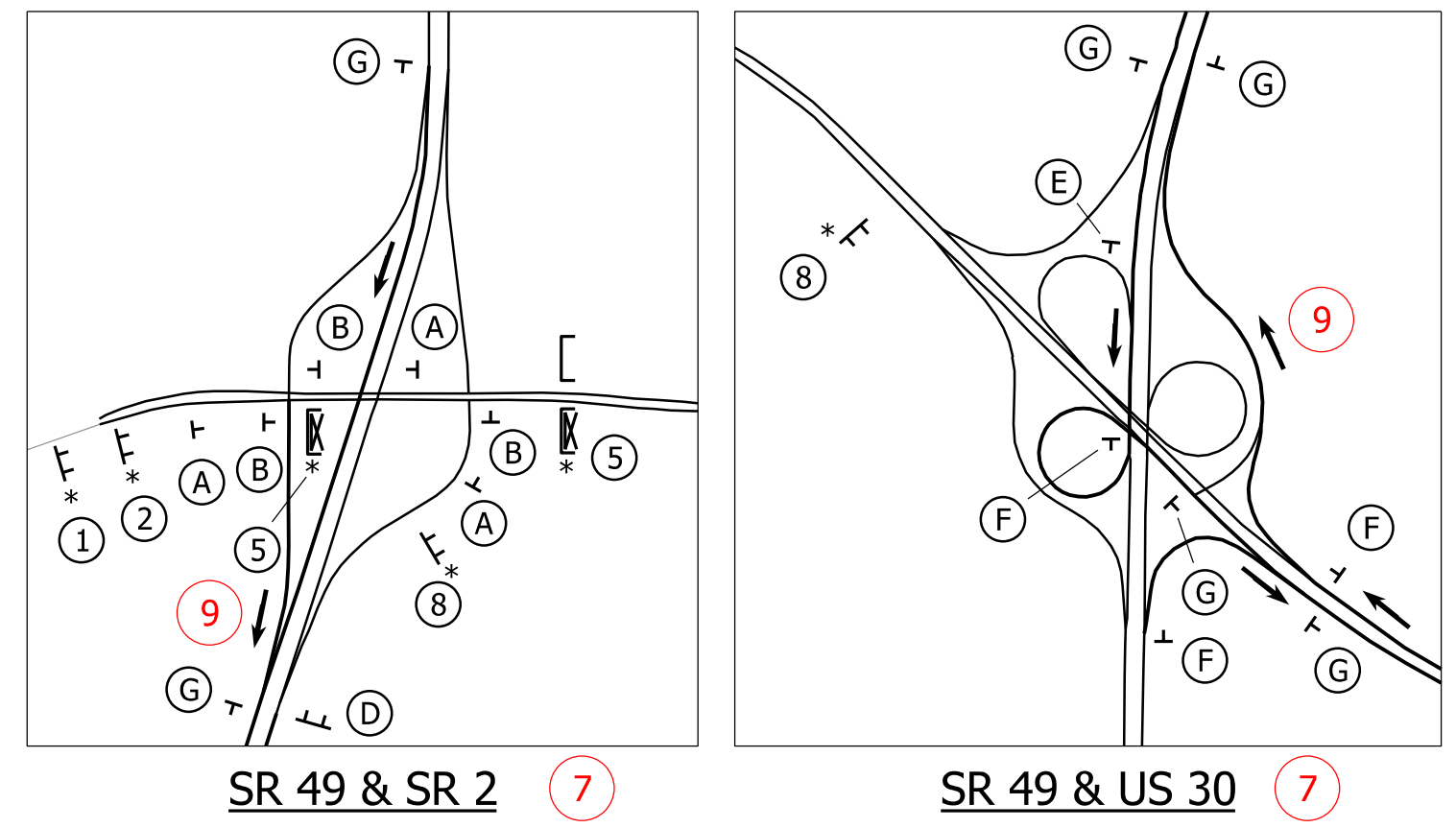
RECOMMENDED FOR APPROVAL	<i>ENG SIGNATURE</i>	M/D/YY
DESIGNED: _____	XXX M/YY	DRAWN: _____
CHECKED: _____	XXX M/YY	CHECKED: _____

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAT NO. 1	

SCALE	BRIDGE FILE
1" = 100'	
DESIGNATION	
9999999	
SHEETS	
4 of 21	
CONTRACT	
R-99999	



**DETOUR ROUTE**  
Scale: 1" = 5000'



- LEGEND**
- CONSTRUCTION AREA
  - LOW INTENSITY FLASHING YELLOW LIGHT, TYPE "A"
  - CONSTRUCTION SIGN AND SUPPORTS
  - DETOUR ROUTE MARKER ASSEMBLY
  - TYPICAL SIGN STANDARD (ROAD CLOSURE SIGN ASSEMBLY)
  - STD. BARRICADE, TYPE III-A (REFLECTORIZED ONE SIDE)
  - STD. BARRICADE, TYPE III-B (REFLECTORIZED BOTH SIDES)
  - DIRECTION OF TRAFFIC

- OFFICIAL DETOUR REQUIRED ELEMENTS**
- 1 Detour Route Highlighted
  - 2 North Arrow
  - 3 Construction Signs
  - 4 Road Closure Sign Assembly
  - 5 Detour Route Marker Assembly
  - 6 Legend
  - 7 Intersection Sign Layout
  - 8 Construction Area
  - 9 Traffic Flow Arrows
  - 10 Cities & Towns Identified
  - 11 Quantities, Per Phase & Total
  - 12 Sign Identification Table
  - 13 Signature Block & PE Seal

**SIGN IDENTIFICATION TABLE**

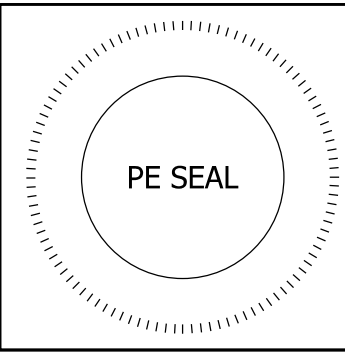
SIGN CODE	MESSAGE	Quantity
XW20-5	SR 2 CLOSED ON OR AFTER	2
XW20-3	ROAD CLOSED AHEAD	4
XW20-3	ROAD CLOSED 1000 FT	2
XW20-3	ROAD CLOSED 500 FT	2
XW20-2	DETOUR AHEAD	8
XM4-8	DETOUR (12")	20
XM4-8	DETOUR (15")	21
XM4-8a	END DETOUR	2
XM4-10R	DETOUR ARROW RIGHT	1
XM4-10L	DETOUR ARROW LEFT	2
XG20-2	END CONSTRUCTION	2
R11-3	ROAD CLOSED XX MILES AHEAD	3
R11-2	ROAD CLOSED	2
M6-3	ARROW FORWARD	26
M6-1	ARROW LEFT OR RIGHT	10
M5-1L	ADVANCED LEFT TURN	3
M5-1R	ADVANCED RIGHT TURN	4
M3-4	WEST (12")	8
M3-4	WEST (15")	8
M3-2	EAST (12")	14
M3-2	EAST (15")	18
M1-5	INDIANA 2 (24")	22
M1-5	INDIANA 2 (36")	26

**PAY ITEMS**

DESCRIPTION	Total Qty. for Prj.
TYPE III-A BARRICADE	72 Lft.
TYPE III-B BARRICADE	60 Lft.
CONSTRUCTION SIGN, TYPE A	16 Each
CONSTRUCTION SIGN, TYPE B	2 Each
CONSTRUCTION SIGN, TYPE C	2 Each
ROAD CLOSURE SIGN ASSEMBLY	5 Each
DETOUR ROUTE MARKER ASSEMBLY	43 Each

**PURPOSE**  
The work is often performed in phases when a detour is required to maintain traffic while an improvement is constructed. A special "Maintenance of Traffic" sheet will facilitate Engineering and Construction by showing construction details more clearly than is possible on the Plan & Profile sheets.

**Title Block Text:**  
Labels: 10 Pt Text  
Signature: 12 Pt Text



RECOMMENDED FOR APPROVAL: ENG SIGNATURE M/D/YY DATE

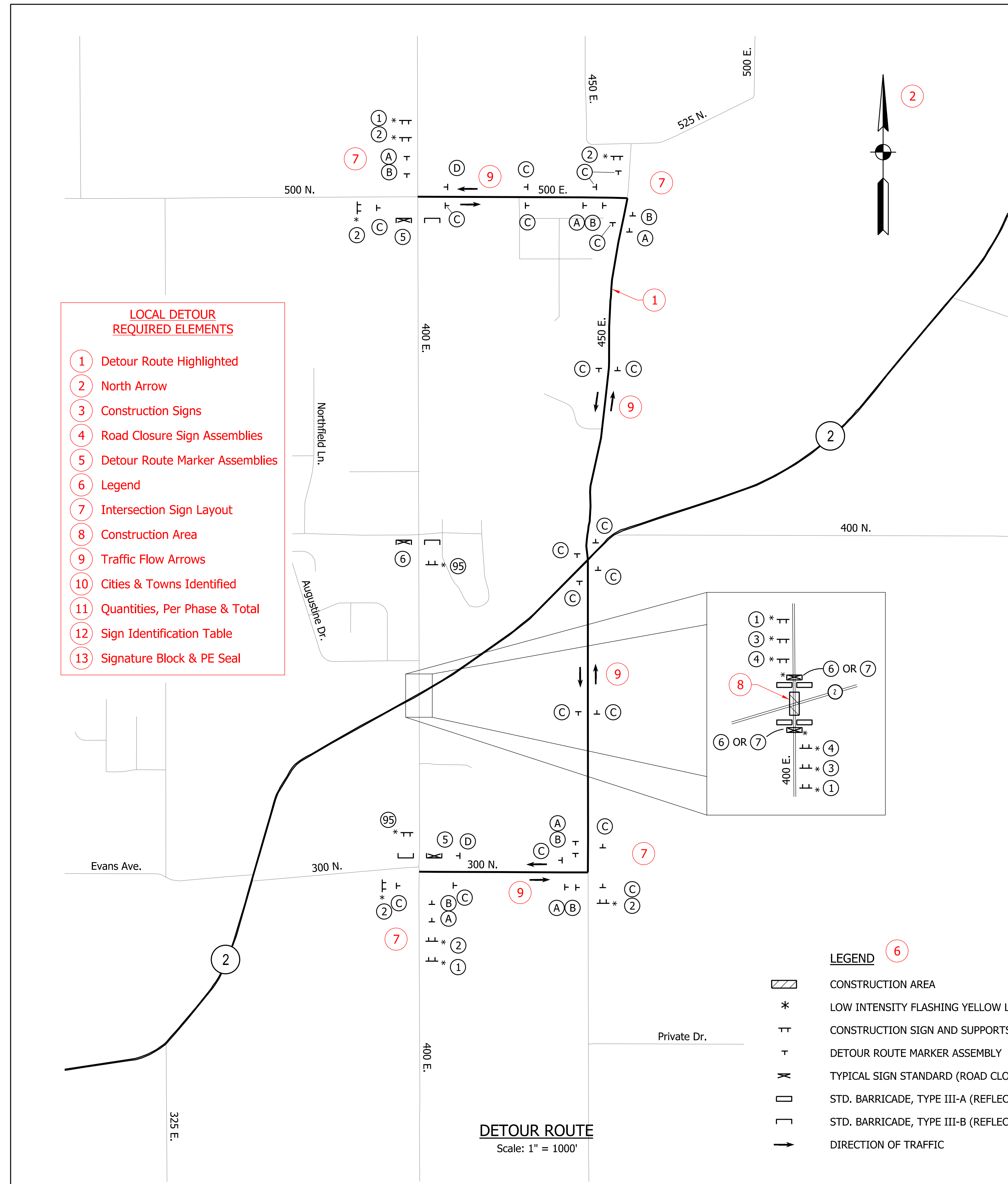
DESIGNED: \_\_\_/\_\_\_/\_\_\_ M/YY DRAWN: \_\_\_/\_\_\_/\_\_\_ M/YY

CHECKED: \_\_\_/\_\_\_/\_\_\_ M/YY CHECKED: \_\_\_/\_\_\_/\_\_\_ M/YY

INDIANA DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC DETOUR ROUTE**

SCALE	BRIDGE FILE
N/A	DESIGNATION 9999999
	SHEETS 5 of 21
	CONTRACT R-99999



- LOCAL DETOUR REQUIRED ELEMENTS**
- ① Detour Route Highlighted
  - ② North Arrow
  - ③ Construction Signs
  - ④ Road Closure Sign Assemblies
  - ⑤ Detour Route Marker Assemblies
  - ⑥ Legend
  - ⑦ Intersection Sign Layout
  - ⑧ Construction Area
  - ⑨ Traffic Flow Arrows
  - ⑩ Cities & Towns Identified
  - ⑪ Quantities, Per Phase & Total
  - ⑫ Sign Identification Table
  - ⑬ Signature Block & PE Seal

① ROAD CLOSED AHEAD  
XW20-3 (48"x48")  
**CONSTRUCTION SIGN**

② DETOUR AHEAD  
XW20-2 (48"x48")  
**CONSTRUCTION SIGN**

③ ROAD CLOSED 1000 FT  
XW20-3 (48"x48")  
**CONSTRUCTION SIGN**

④ ROAD CLOSED 500 FT  
XW20-3 (48"x48")  
**CONSTRUCTION SIGN**

⑤ ROAD CLOSED ... MILES AHEAD LOCAL TRAFFIC ONLY  
R11-3 (60"x30")  
 DETOUR  
XM4-10(L or R) (48"x18")  
**ROAD CLOSURE SIGN ASSEMBLY**

⑥ ROAD CLOSED  
R11-2 (48"x30")  
**ROAD CLOSURE SIGN ASSEMBLY**

⑦ C.R. 400 E. CLOSED ON OR AFTER / / /  
XW20-5 (60" X 36")  
**CONSTRUCTION SIGN**  
(To be Installed 14 Days Prior to Road Closure)

⑧⑨ END CONSTRUCTION  
XG20-2 (48" X 18")  
**CONSTRUCTION SIGN**

⑩ DETOUR  
400 E  
M5-1(L or R) (21"x15")  
**ADVANCE DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLY**

⑪ DETOUR  
400 E  
M6-1(L or R) (21"x15")  
**DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLY**

⑫ DETOUR  
400 E  
M6-3 (21"x15")  
**CONFIRMING DETOUR ROUTE MARKER ASSEMBLY**

⑬ END DETOUR  
400 E  
XM4-8a (24"x12")  
M1-5 (24"x24")  
**END DETOUR ROUTE MARKER ASSEMBLY**

- LEGEND ⑥**
- CONSTRUCTION AREA
  - LOW INTENSITY FLASHING YELLOW LIGHT, TYPE "A"
  - CONSTRUCTION SIGN AND SUPPORTS
  - DETOUR ROUTE MARKER ASSEMBLY
  - TYPICAL SIGN STANDARD (ROAD CLOSURE SIGN ASSEMBLY)
  - STD. BARRICADE, TYPE III-A (REFLECTORIZED ONE SIDE)
  - STD. BARRICADE, TYPE III-B (REFLECTORIZED BOTH SIDES)
  - DIRECTION OF TRAFFIC

⑫

SIGN IDENTIFICATION TABLE

SIGN CODE	MESSAGE	Quantity
XW20-3	ROAD CLOSED AHEAD	4
XW20-2	DETOUR AHEAD	5
XW20-3	ROAD CLOSED 1000 FT	2
XW20-3	ROAD CLOSED 500 FT	2
R11-3	ROAD CLOSED XX MILES AHEAD	2
XM4-10L	DETOUR LEFT ARROW	1
XM4-10R	DETOUR RIGHT ARROW	1
R11-2	ROAD CLOSED	3
XM20-5	ROAD CLOSED ON OR AFTER / / /	2
XG20-2	END CONSTRUCTION	2
XM4-8	DETOUR	32
M1-5	400 E	34
M5-1L	ADVANCED LEFT TURN	3
M1-5R	ADVANCED RIGHT TURN	3
M6-1	ARROW LEFT OR RIGHT	6
M6-3	CONFIRMING ARROW	20
XM4-8a	END DETOUR	2

⑪

PAY ITEMS, THIS SHEET

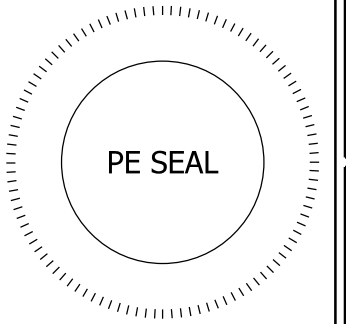
DESCRIPTION	Total Qty.
TYPE III-A BARRICADE	96 Lft.
TYPE III-B BARRICADE	96 Lft.
CONSTRUCTION SIGN, TYPE A	17 Each
ROAD CLOSURE SIGN ASSEMBLY	5 Each
DETOUR ROUTE MARKER ASSEMBLY	34 Each

**PURPOSE**

The work is often performed in phases when a detour is required to maintain traffic while an improvement is constructed. A special "Maintenance of Traffic" sheet will facilitate Engineering and Construction by showing construction details more clearly than is possible on the Plan & Profile sheets.

⑬

Title Block Text:  
Labels: 10 Pt Text  
Signature: 12 Pt Text



RECOMMENDED FOR APPROVAL *ENG SIGNATURE* M/D/YY  
DESIGN ENGINEER DATE

DESIGNED: \_\_\_XXX\_\_\_ M/YY DRAWN: \_\_\_XXX\_\_\_ M/YY

CHECKED: \_\_\_XXX\_\_\_ M/YY CHECKED: \_\_\_XXX\_\_\_ M/YY

INDIANA  
DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC  
LOCAL DETOUR ROUTE**

SCALE	BRIDGE FILE
N/A	
	DESIGNATION 9999999
	SHEETS 6 of 21
	CONTRACT R-99999



Text Style: 18 Pt Text

**PURPOSE**

The purpose of the Plan and Profile sheet is to facilitate Engineering and Construction by providing complete topo, alignment data, R/W, and profile information from beginning to end of Project. The profile can be separated from the plan view when needed.

**PLAN VIEW  
REQUIRED ELEMENTS**

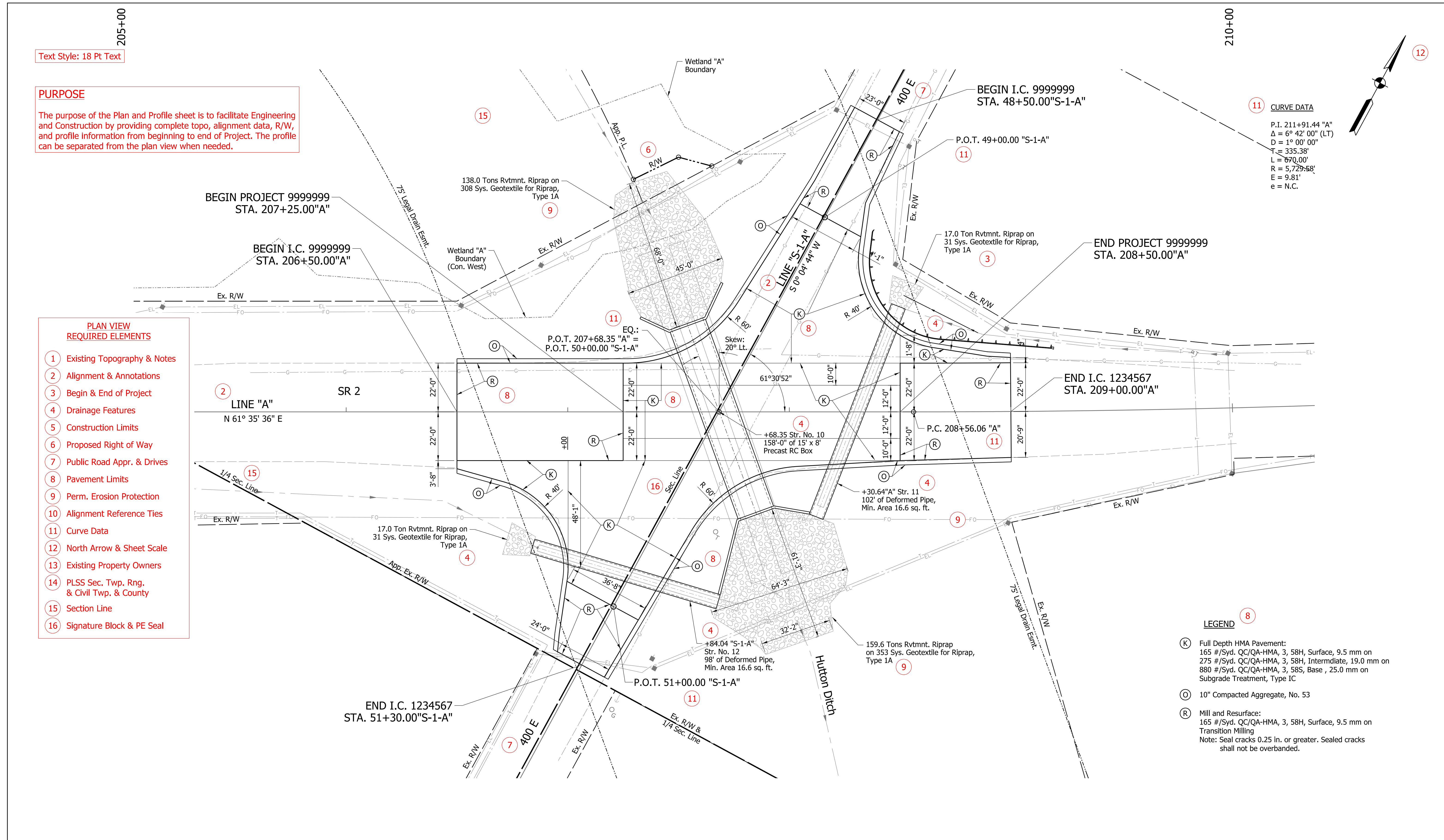
- 1 Existing Topography & Notes
- 2 Alignment & Annotations
- 3 Begin & End of Project
- 4 Drainage Features
- 5 Construction Limits
- 6 Proposed Right of Way
- 7 Public Road Appr. & Drives
- 8 Pavement Limits
- 9 Perm. Erosion Protection
- 10 Alignment Reference Ties
- 11 Curve Data
- 12 North Arrow & Sheet Scale
- 13 Existing Property Owners
- 14 PLSS Sec. Twp. Rng. & Civil Twp. & County
- 15 Section Line
- 16 Signature Block & PE Seal

**11 CURVE DATA**

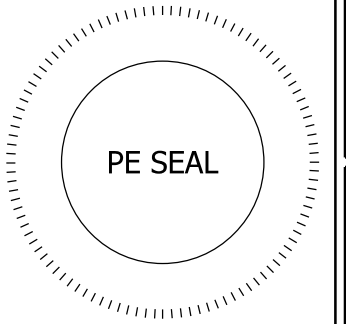
P.I. 211+91.44 "A"  
 $\Delta = 6^\circ 42' 00''$  (LT)  
 $D = 1^\circ 00' 00''$   
 $T = 335.38'$   
 $L = 670.00'$   
 $R = 5,729.58'$   
 $E = 9.81'$   
 $e = N.C.$

**8 LEGEND**

- (K) Full Depth HMA Pavement:  
165 #/Syd. QC/QA-HMA, 3, 58H, Surface, 9.5 mm on  
275 #/Syd. QC/QA-HMA, 3, 58H, Intermediate, 19.0 mm on  
880 #/Syd. QC/QA-HMA, 3, 58S, Base, 25.0 mm on  
Subgrade Treatment, Type IC
- (O) 10" Compacted Aggregate, No. 53
- (R) Mill and Resurface:  
165 #/Syd. QC/QA-HMA, 3, 58H, Surface, 9.5 mm on  
Transition Milling  
Note: Seal cracks 0.25 in. or greater. Sealed cracks  
shall not be overbanded.



**Title Block Text:**  
 Labels: 10 Pt Text  
 Signature: 12 Pt Text



RECOMMENDED FOR APPROVAL	<i>ENG SIGNATURE</i>	M/D/Y
DESIGNED:	XXX M/YY	DRAWN: XXX M/YY
CHECKED:	XXX M/YY	CHECKED: XXX M/YY

INDIANA  
DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS**

SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
	9999999
	SHEETS
8 of 21	CONTRACT
	R-99999

Plot: 12/1/2025 9:18 AM

**PURPOSE**

The purpose of the Spot Elevation Detail sheet is to provide the proposed design with transitions from the mainline typical section to the existing pavement elevations, facilitating drainage while providing traversable surface contours when an area of construction is not covered by a typical section or by a profile grade sheet.

**SPOT ELEVATION  
REQUIRED ELEMENTS**

- 1 Alignments Labeled
- 2 Roads Labeled
- 3 Radii Labeled
- 4 Radius PCs & PTs
- 5 Proposed Spot Point Station & Elevation
- 6 Existing Spot Tie-in Station & Elevation
- 7 Slope Vector Labeled
- 8 Alignment Stationing
- 9 Drawing Scale
- 10 North Arrow
- 11 Signature Block & PE Seal
- 12 Callout General Note

207+00

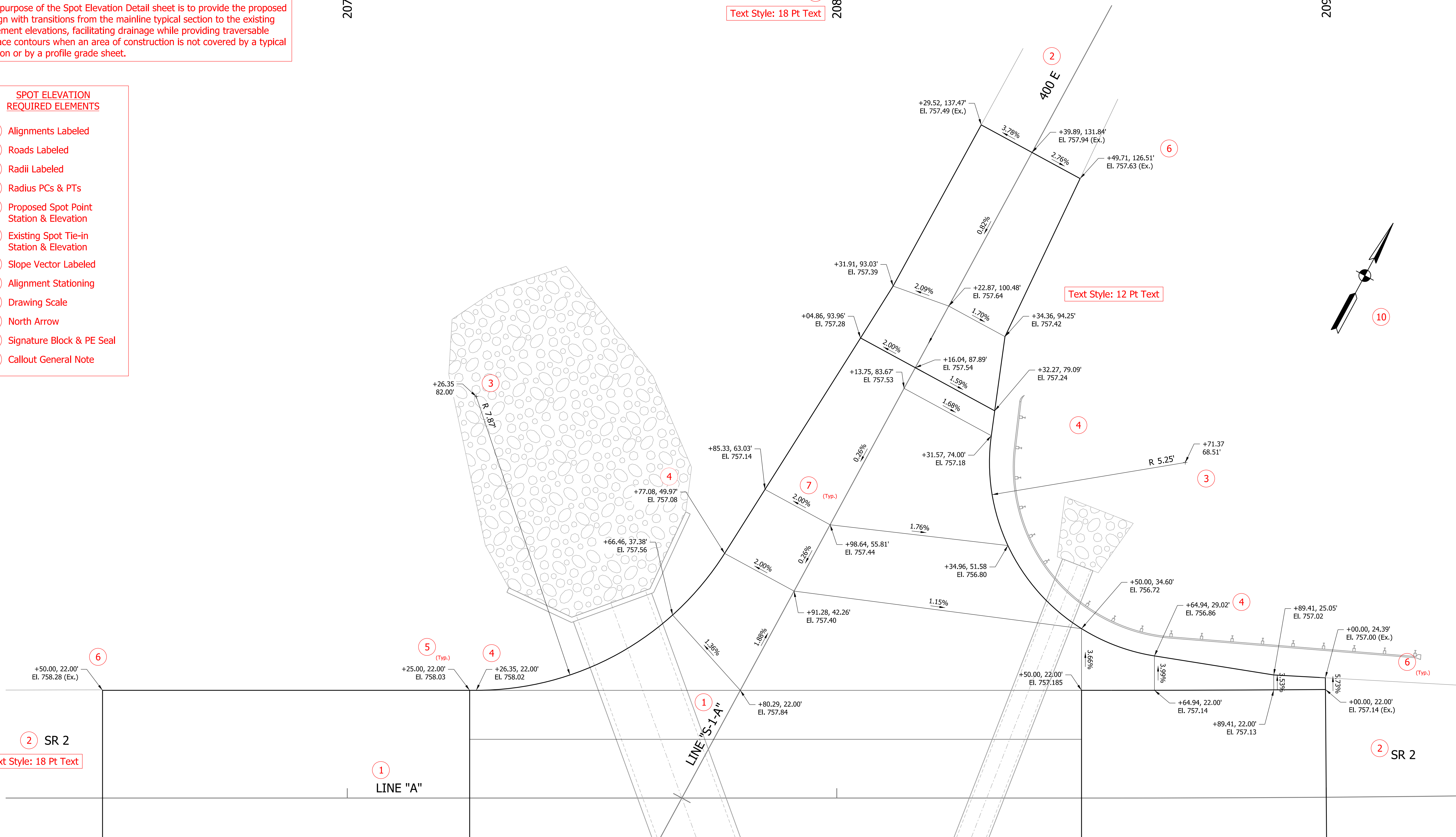
208+00

209+00

Text Style: 18 Pt Text

Text Style: 12 Pt Text

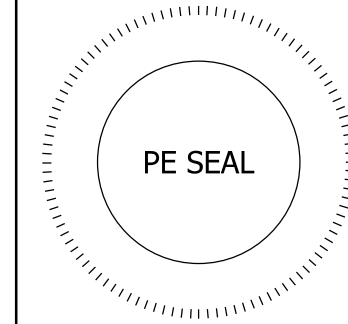
Text Style: 18 Pt Text



12 Note: All callouts are described from Line "A", unless otherwise shown.

Plot: 12/1/2025 9:19 AM

11  
Title Block Text:  
Labels: 10 Pt Text  
Signature: 12 Pt Text



RECOMMENDED FOR APPROVAL	<i>ENG SIGNATURE</i>	M/D/YYYY
DESIGNED:	XXX M/YY	DRAWN: XXX M/YY
CHECKED:	XXX M/YY	CHECKED: XXX M/YY

INDIANA  
DEPARTMENT OF TRANSPORTATION

**INTERSECTION DETAILS  
& SPOT ELEVATIONS**

9	SCALE 1" = 10'	BRIDGE FILE
		DESIGNATION 9999999
		SHEETS 9 of 21
		CONTRACT R-99999

See sheet 9 for statement of purpose.

Text Style: 18 Pt Text

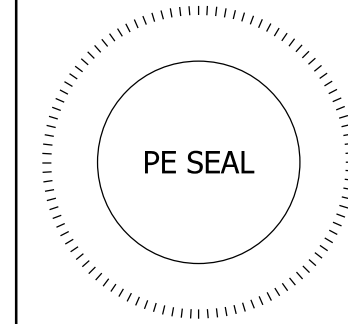
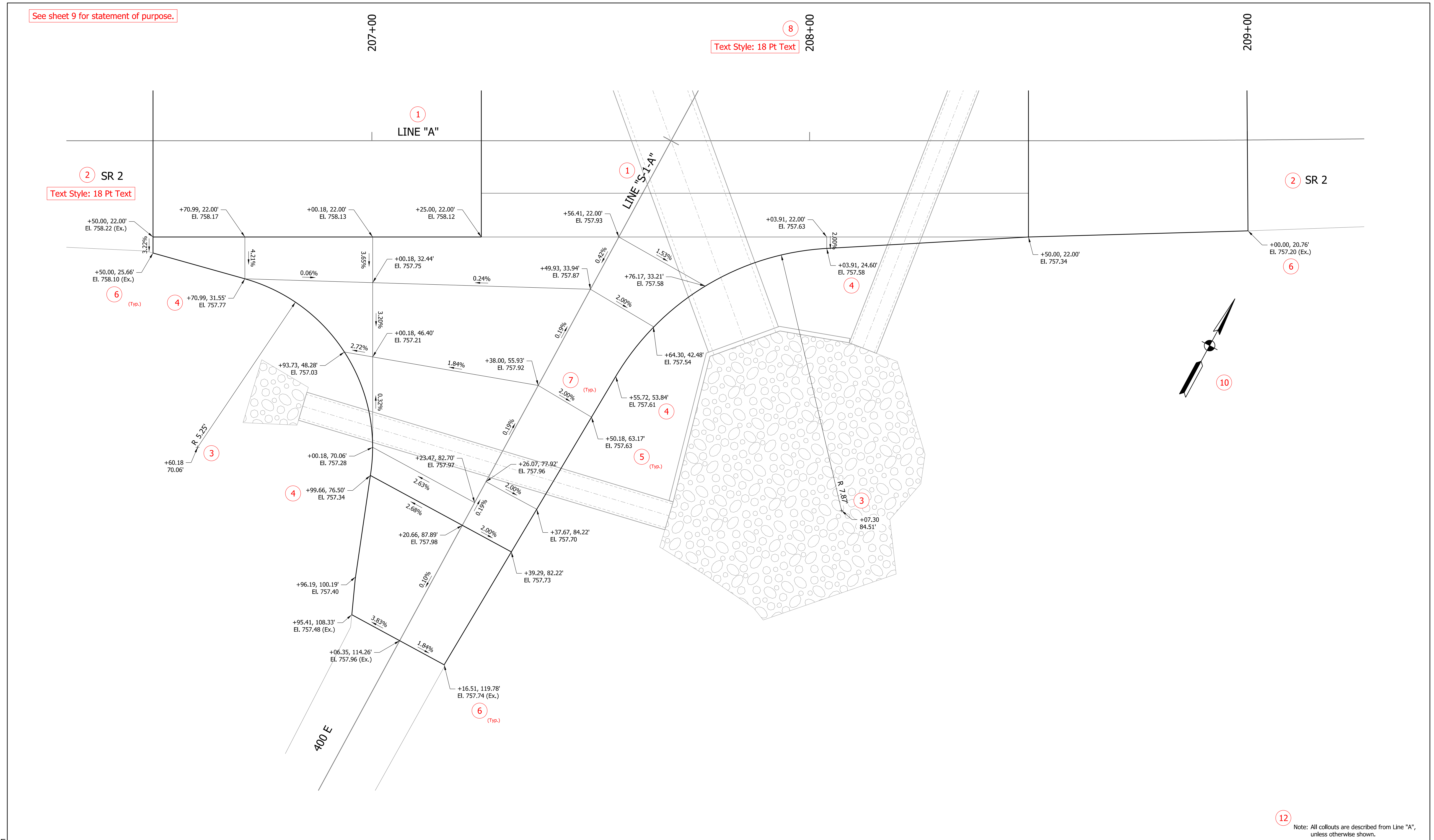
Text Style: 18 Pt Text

Title Block Text:  
Labels: 10 Pt Text  
Signature: 12 Pt Text

Note: All collouts are described from Line "A", unless otherwise shown.

Plot: 12/1/2025 9:20 AM

File: pw://indot-pw.bentley.com/indot-pw-01/Documents/Standards/Sample Plans/Small Structure/INDOT Sample Plans 2024 Small Structure.dgn  
Model:SHT 10 Spot Elev\_02



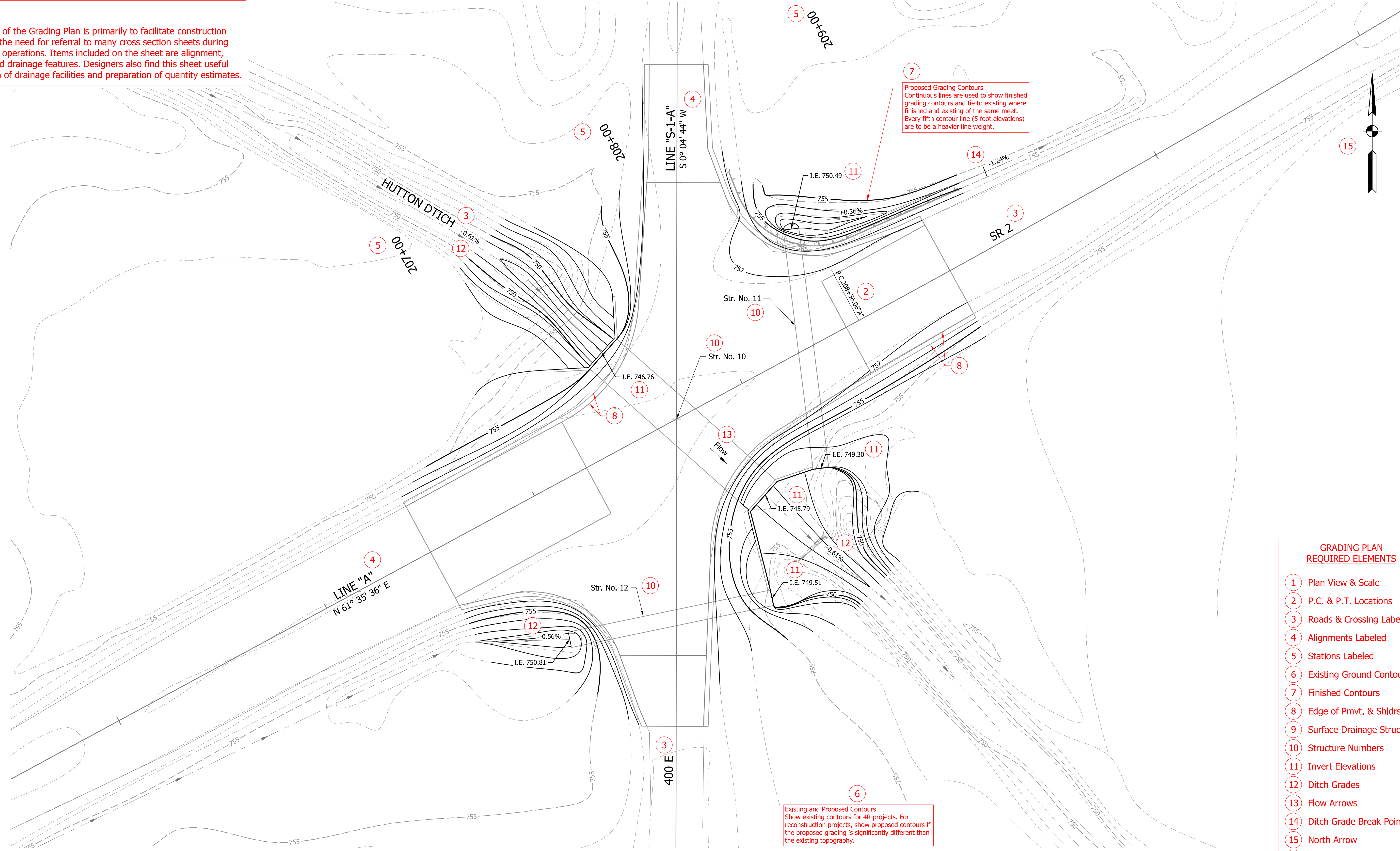
RECOMMENDED FOR APPROVAL	<i>ENG SIGNATURE</i>	M/D/YY
DESIGNED: _____	XXX M/YY	DRAWN: _____
CHECKED: _____	XXX M/YY	CHECKED: _____

INDIANA  
DEPARTMENT OF TRANSPORTATION

**INTERSECTION DETAILS  
&  
SPOT ELEVATIONS**

SCALE	BRIDGE FILE
1" = 10'	
	DESIGNATION
	9999999
	SHEETS
	10 of 21
	CONTRACT
	R-99999

**PURPOSE**  
 The purpose of the Grading Plan is primarily to facilitate construction by reducing the need for referral to many cross section sheets during field grading operations. Items included on the sheet are alignment, contours, and drainage features. Designers also find this sheet useful in the design of drainage facilities and preparation of quantity estimates.



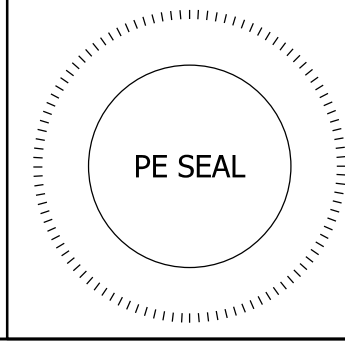
Proposed Grading Contours  
 Continuous lines are used to show finished grading contours and tie to existing where finished and existing of the same meet. Every fifth contour line (5 foot elevations) are to be a heavier line weight.

Existing and Proposed Contours  
 Show existing contours for 4R projects. For reconstruction projects, show proposed contours if the proposed grading is significantly different than the existing topography.

- GRADING PLAN REQUIRED ELEMENTS**
- 1 Plan View & Scale
  - 2 P.C. & P.T. Locations
  - 3 Roads & Crossing Labeled
  - 4 Alignments Labeled
  - 5 Stations Labeled
  - 6 Existing Ground Contours
  - 7 Finished Contours
  - 8 Edge of Pmt. & Shldr.
  - 9 Surface Drainage Structures
  - 10 Structure Numbers
  - 11 Invert Elevations
  - 12 Ditch Grades
  - 13 Flow Arrows
  - 14 Ditch Grade Break Points
  - 15 North Arrow
  - 16 Signature Block & PE Seal

Plot: 12/1/2025 9:20 AM

16  
 Title Block Text:  
 Labels: 10 Pt Text  
 Signature: 12 Pt Text



RECOMMENDED FOR APPROVAL	<i>ENG SIGNATURE</i>	M/D/Y
	DESIGN ENGINEER	DATE
DESIGNED: _____	XXX M/YY	DRAWN: _____
		XXX M/YY
CHECKED: _____	XXX M/YY	CHECKED: _____
		XXX M/YY

INDIANA DEPARTMENT OF TRANSPORTATION	
GRADING PLAN	

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
	9999999
	SHEETS
11	of 21
	CONTRACT
	R-99999

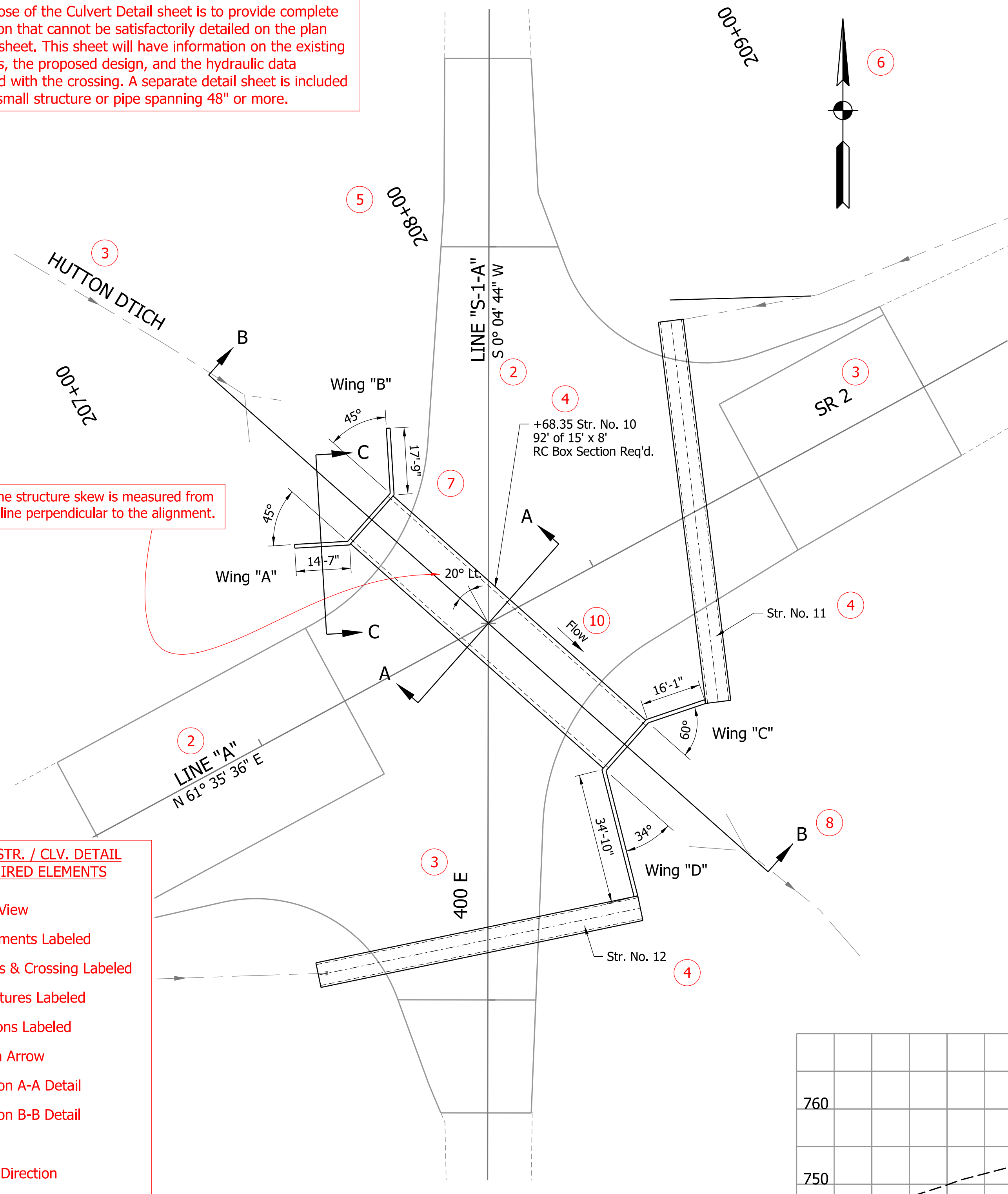
**PURPOSE**

The purpose of the Culvert Detail sheet is to provide complete information that cannot be satisfactorily detailed on the plan & profile sheet. This sheet will have information on the existing conditions, the proposed design, and the hydraulic data associated with the crossing. A separate detail sheet is included for each small structure or pipe spanning 48" or more.

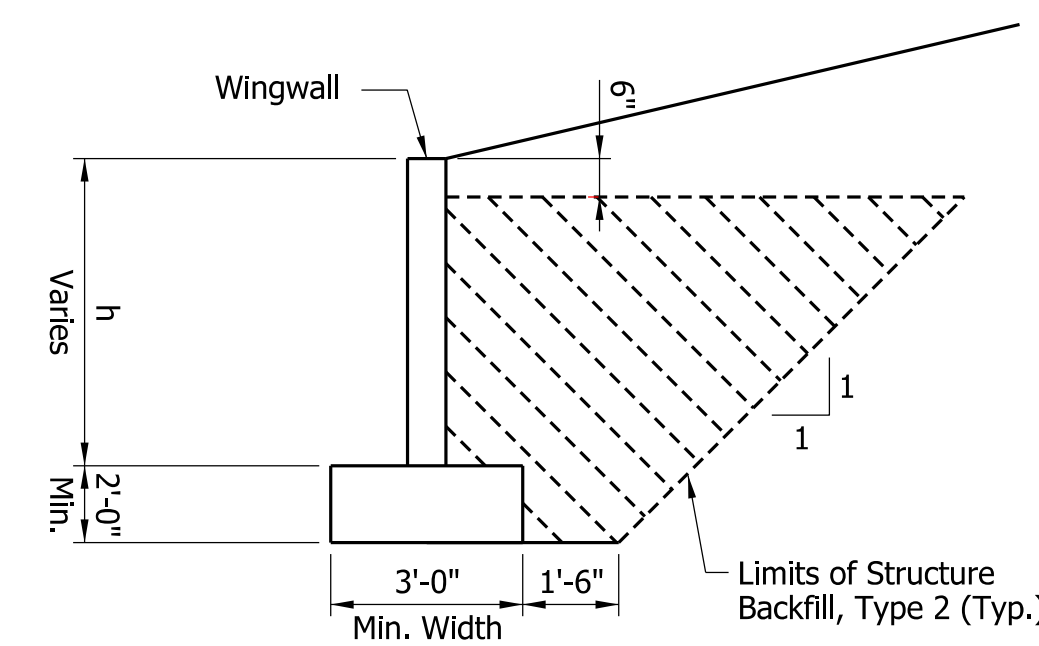
The structure skew is measured from a line perpendicular to the alignment.

**SMALL STR. / CLV. DETAIL REQUIRED ELEMENTS**

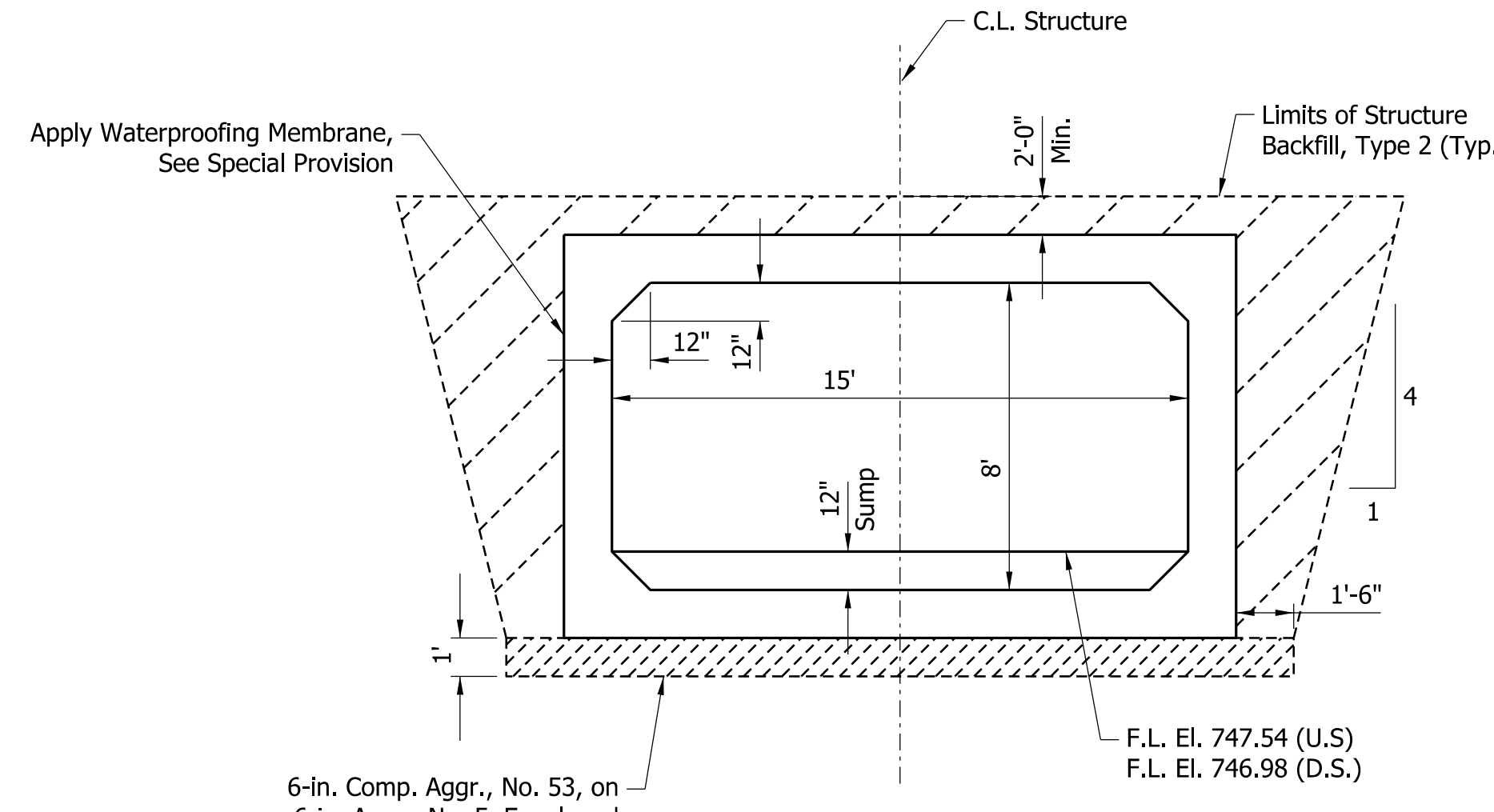
- 1 Plan View
- 2 Alignments Labeled
- 3 Roads & Crossing Labeled
- 4 Structures Labeled
- 5 Stations Labeled
- 6 North Arrow
- 7 Section A-A Detail
- 8 Section B-B Detail
- 9 Q100
- 10 Flow Direction
- 11 Misc. Details, If Applicable
- 12 Existing Structure Data
- 13 Design Data
- 14 General Notes
- 15 Hydraulic Data
- 16 Signature Block & PE Seal



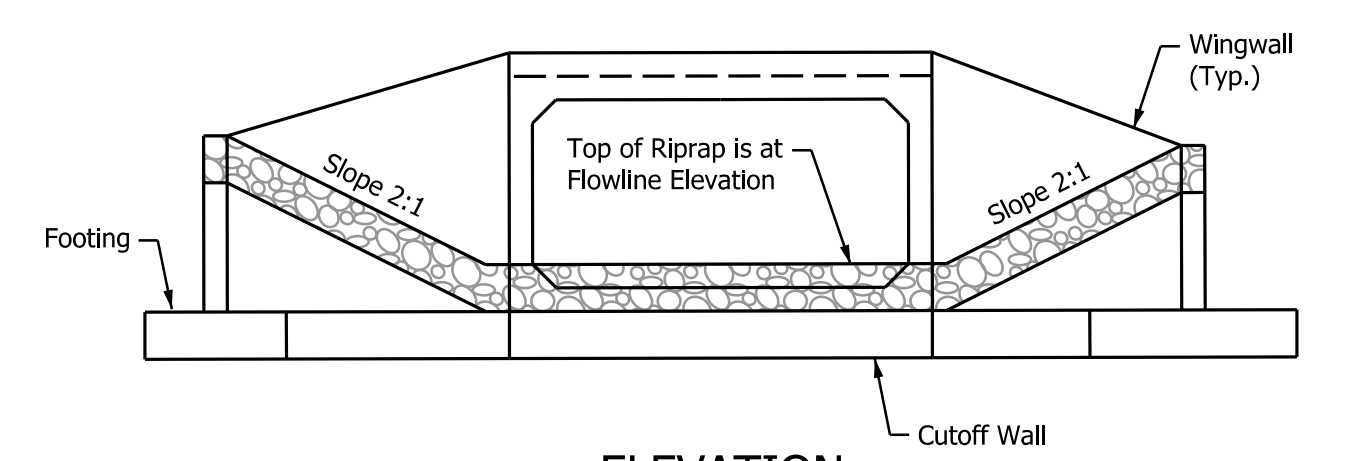
**PLAN**  
Scale: 1" = 20'



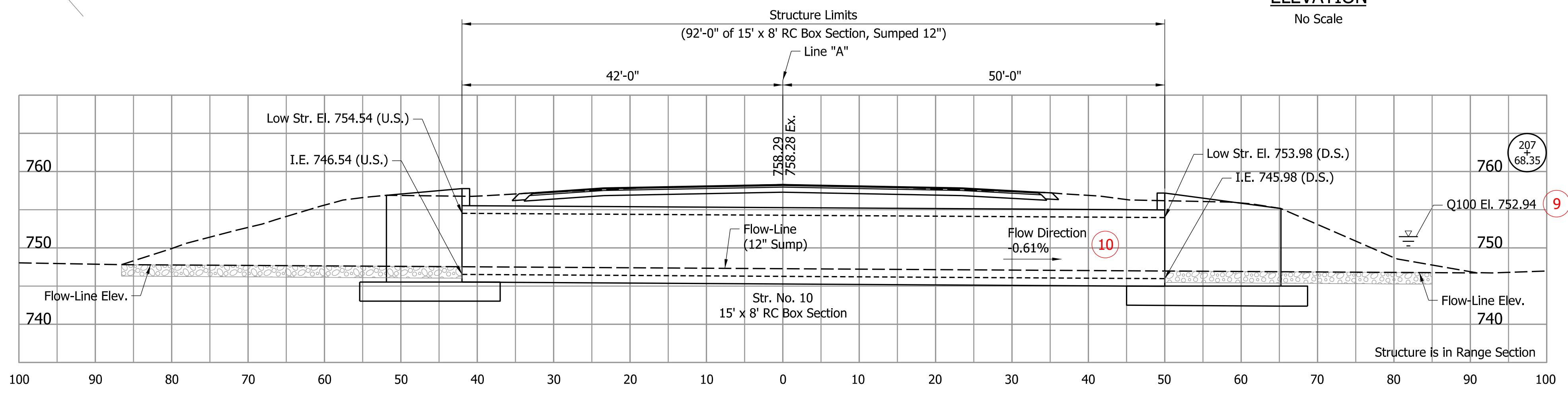
**SECTION C-C**  
No Scale



**SECTION A-A**  
No Scale



**ELEVATION**  
No Scale



**SECTION B-B**  
Scale: 1" = 10'

**12 EXISTING STRUCTURE**

Twin 162' x 10'-11" x 7'-1" Corr. Metal Structural Plate Pipe Arches with Conc. Anchors 20° Skew Lt.; on SR 2 over Hutton Ditch.

Exist. Str. No. 002-064-07012 (Bridge)  
New Str. No. CV 002-064-41.06 (Small Structure)

**13 DESIGN DATA**

Designed for HL-93 loading in accordance with AASHTO LRFD Bridge Design Specifications, 10th Edition (2024) and all subsequent interim specifications.

Dead load increased 35 psf for future wearing surface.

**14 GENERAL NOTES**

Contractor shall verify the existing flowline elevation to set the appropriate sump depth.

If cover is less than 2-ft., culvert will require epoxy coated steel.

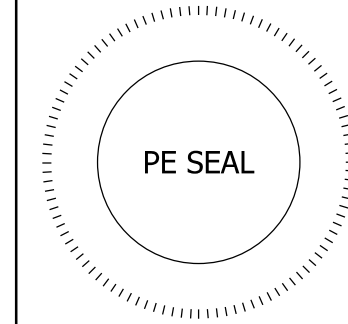
**15 HYDRAULIC DATA**

Drainage Area	7.24 sq. mi.
Q100 Discharge	465 cfs
Q100 Water Surface Elevation	752.94
Waterway Opening below Q100	77.3 sq. ft.
Road Overtopping	No
Backwater	0.66 ft.
Outlet Velocity	5.19 ft/s
Exist. Waterway Opening	88.7 sq. ft.
Exist. Backwater	0.76 ft.
Exist. Outlet Velocity	4.30 ft/s

SOIL PARAMETERS FOR HEADWALL/WINGWALL DESIGN	
Footing Width, B (ft.)	3
Factored Bearing Resistance of Fnd. Soil, qR (psf)	2,870
Resistance Factor, φb	0
Nominal Bearing Resistance of Fnd. Soil, qn (psf)	6,390
Angle of Internal Friction of Fnd. Soil, φ	30°
Friction Factor Between Footing & Fnd. Soil, f	0
Cohesion of Fnd. Soil, C (psf)	N/A
Adhesion of Fnd. Soil, Ca (psf)	N/A
Angle of Internal Friction of Backfill, φ	30°
Interface Friction Angle Between Concrete & Backfill, δ	17°

WINGWALL DIMENSIONS						
Location	Height (ft.)	Elev. 1	Drop (ft.)	Elev. 2	Length (ft.)	Area (sq.ft.)
Wing "A"	12.24	757.78	6.15	751.63	14.58	133.6
Wing "B"	12.24	757.78	7.14	750.64	17.75	153.9
Wing "C"	12.20	757.18	7.01	750.17	16.08	139.8
Wing "D"	12.20	757.18	7.41	749.77	34.83	295.9

Title Block Text:  
Labels: 10 Pt Text  
Signature: 12 Pt Text



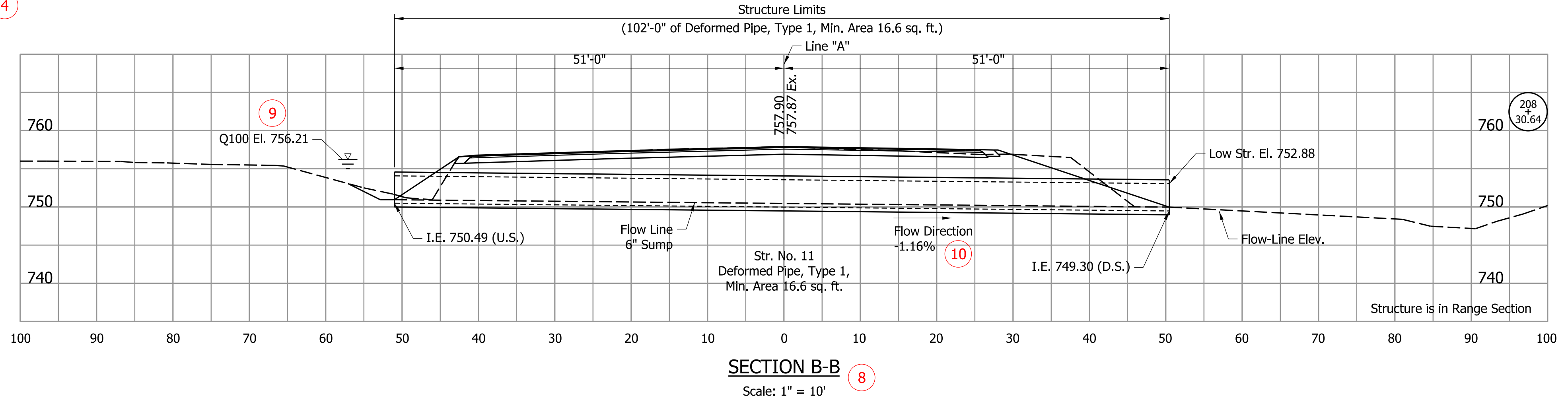
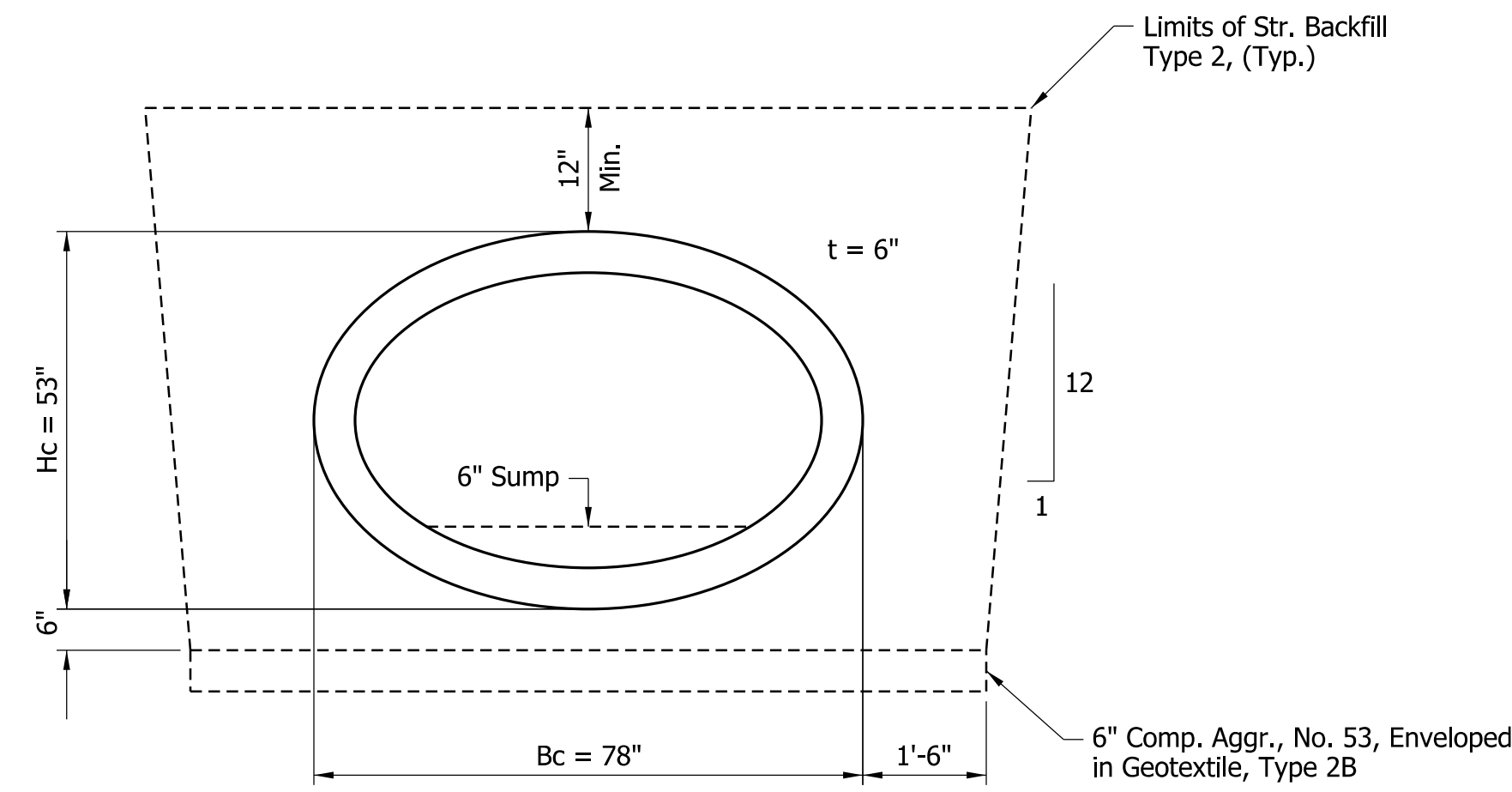
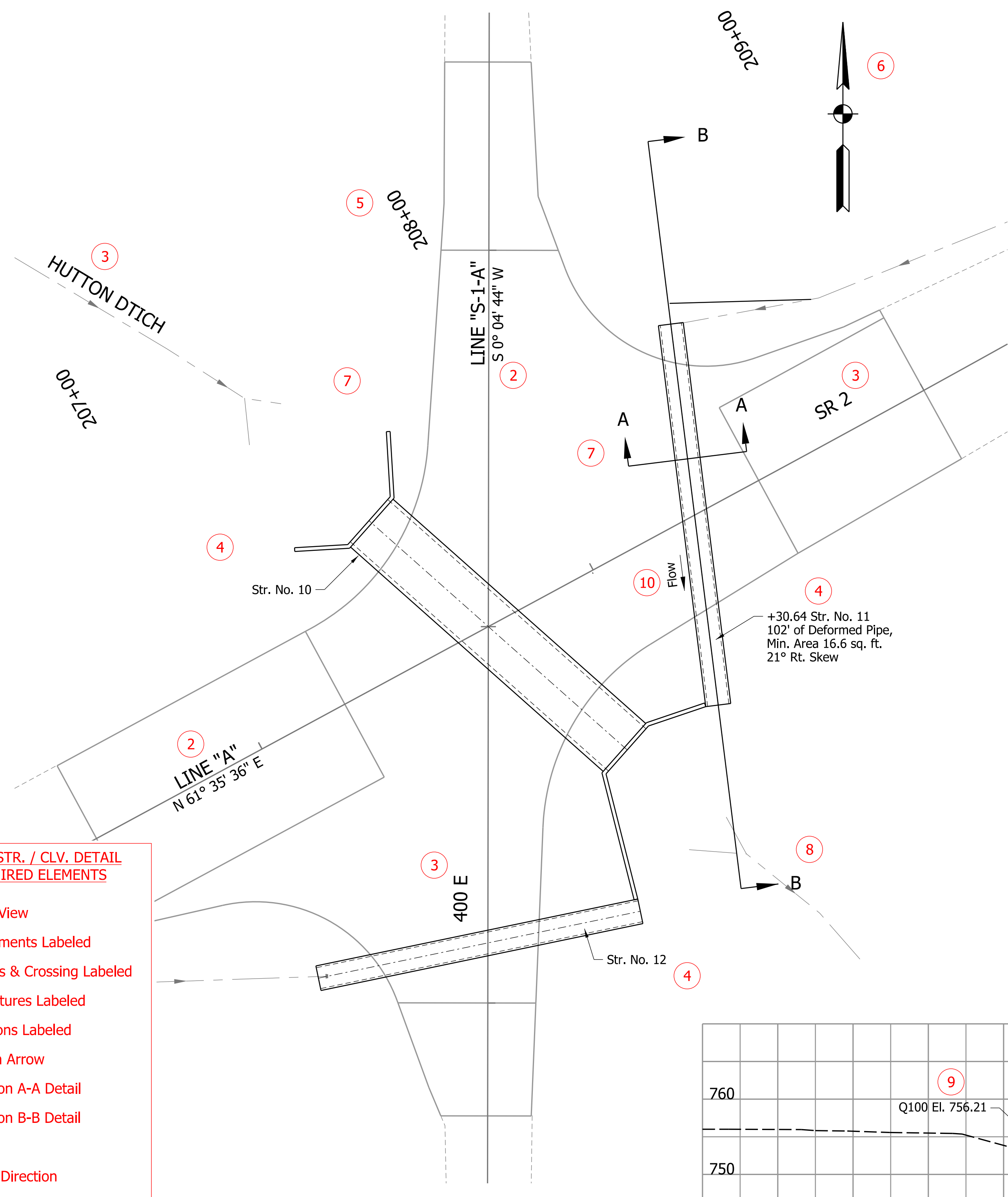
RECOMMENDED FOR APPROVAL *ENG SIGNATURE* M/D/Y Y  
DESIGN ENGINEER DATE  
DESIGNED: XXX M/Y Y DRAWN: XXX M/Y Y  
CHECKED: XXX M/Y Y CHECKED: XXX M/Y Y

INDIANA DEPARTMENT OF TRANSPORTATION  
**BOX CULVERT DETAILS**  
**207+68.35 "A"**

SCALE	BRIDGE FILE
AS NOTED	DESIGNATION
	9999999
	SHEETS
	12 of 21
	CONTRACT
	R-99999

Plot: 12/1/2025 9:21 AM

See sheet 12 for statement of purpose.



**12 EXISTING STRUCTURE**

92' of 36" dia. Corr. Metal Pipe with 2 Safety Metal End Sections; 21° Rt. Skew; on SR 2 at CR 400 E. Structure #: CLV-887

**13 DESIGN DATA**

Designed for HL-93 loading in accordance with AASHTO LRFD Bridge Design Specifications, 8th Edition (2017) and all subsequent interim specifications.  
Dead load increased 35 psf for future wearing surface.

**14 GENERAL NOTES**

Contractor shall verify the existing flowline elevation to set the appropriate sump depth.

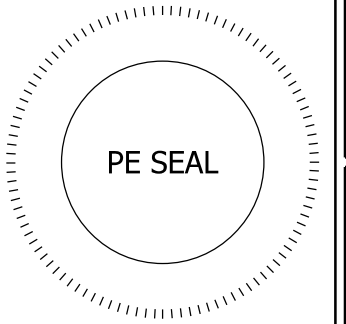
**15 HYDRAULIC DATA**

Drainage Area	134.1 acres
Q100 Discharge	103.4 cfs
Q100 Water Surface Elevation	756.21
Waterway Opening below Q100	16.6 sq. ft.
Road Overtopping	No
Backwater	1.36 ft.
Outlet Velocity	6.55 ft./s
Outlet Riprap Size	Class I
Inlet Riprap Needed (Y/N)	No
Natural Channel Q50 Velocity	2.45 ft./s
Min. Inlet Riprap Size	Revetment

**SMALL STR. / CLV. DETAIL REQUIRED ELEMENTS**

- 1 Plan View
- 2 Alignments Labeled
- 3 Roads & Crossing Labeled
- 4 Structures Labeled
- 5 Stations Labeled
- 6 North Arrow
- 7 Section A-A Detail
- 8 Section B-B Detail
- 9 Q100
- 10 Flow Direction
- 11 Misc. Details, If Applicable
- 12 Existing Structure Data
- 13 Design Data
- 14 General Notes
- 15 Hydraulic Data
- 16 Signature Block & PE Seal

**16**  
Title Block Text:  
Labels: 10 Pt Text  
Signature: 12 Pt Text



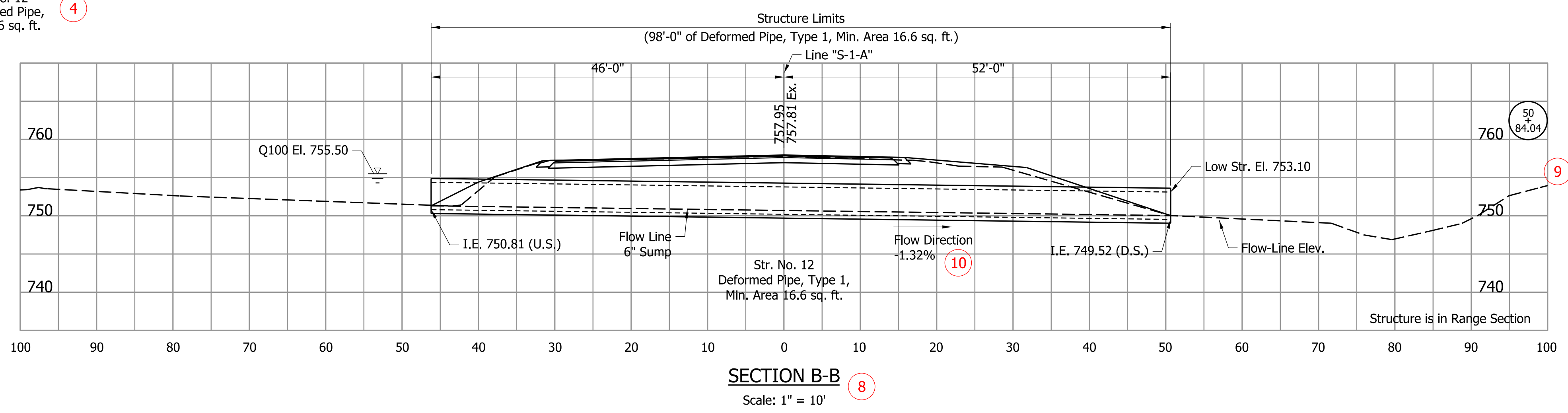
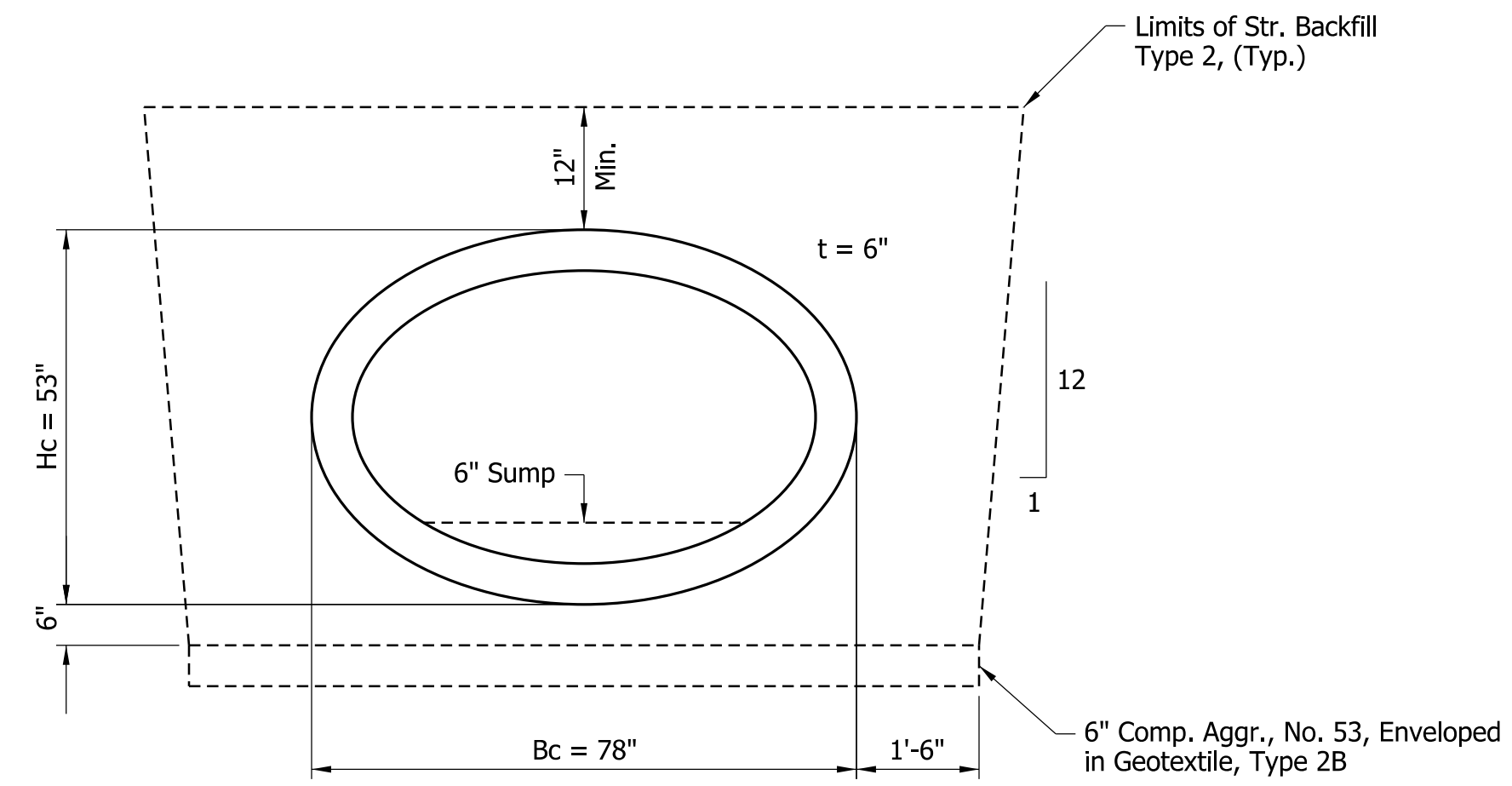
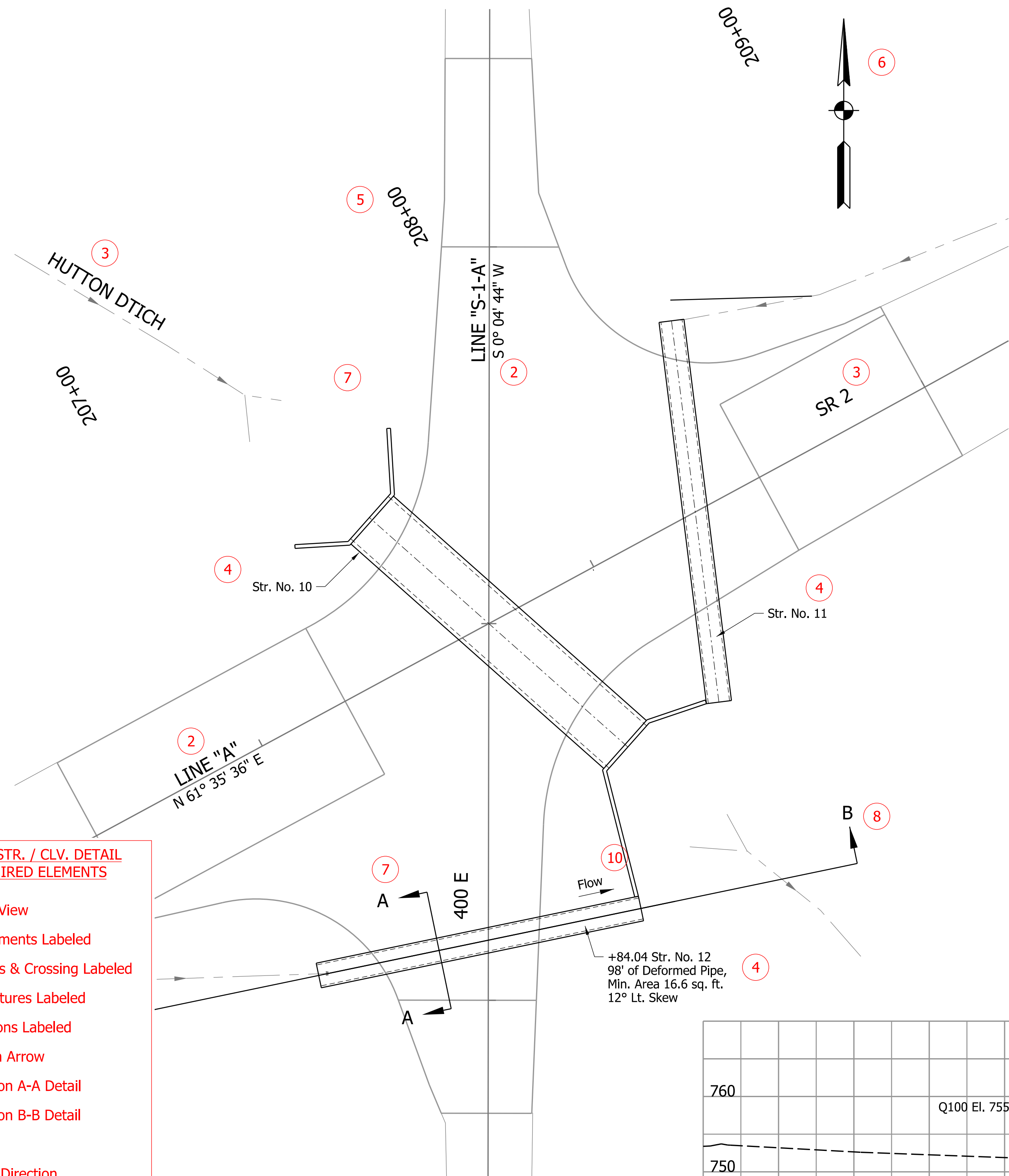
RECOMMENDED FOR APPROVAL	<i>ENG SIGNATURE</i>	M/D/YY
DESIGNED: _____	XXX M/YY	DRAWN: _____
CHECKED: _____	XXX M/YY	CHECKED: _____

INDIANA DEPARTMENT OF TRANSPORTATION  
**PIPE CULVERT DETAILS**  
208+30.64 "A"

SCALE	BRIDGE FILE
AS NOTED	DESIGNATION
	9999999
	SHEETS
	13 of 21
	CONTRACT
	R-99999

Plot: 12/1/2025 9:22 AM

See sheet 12 for statement of purpose.



12 EXISTING STRUCTURE

94' of 36" dia. Corr. Metal Pipe with 2 Safety Metal End Sections; 12° Lt. Skew; on CR 400 E at SR 2.  
Structure #: CLV-33347

13 DESIGN DATA

Designed for HL-93 loading in accordance with AASHTO LRFD Bridge Design Specifications, 8th Edition (2017) and all subsequent interim specifications.

Dead load increased 35 psf for future wearing surface.

14 GENERAL NOTES

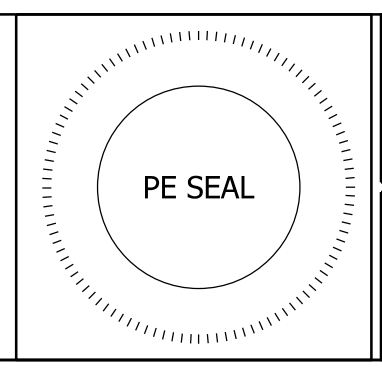
Contractor shall verify the existing flowline elevation to set the appropriate sump depth.

15 HYDRAULIC DATA

Drainage Area	134.1 acres
Q100 Discharge	103.4 cfs
Q100 Water Surface Elevation	755.50
Waterway Opening below Q100	16.6 sq. ft.
Road Overtopping	No
Backwater	1.07 ft.
Outlet Velocity	5.64 ft./s
Outlet Riprap Size	Revetment
Inlet Riprap Needed (Y/N)	No
Natural Channel Q50 Velocity	2.32 ft./s
Min. Inlet Riprap Size	Revetment

Plot: 12/1/2025 9:23 AM

16  
Title Block Text:  
Labels: 10 Pt Text  
Signature: 12 Pt Text



RECOMMENDED FOR APPROVAL	<i>ENG SIGNATURE</i>	M/D/YY
DESIGNED: _____	XXX M/YY	DRAWN: _____
CHECKED: _____	XXX M/YY	CHECKED: _____

INDIANA  
DEPARTMENT OF TRANSPORTATION

PIPE CULVERT DETAILS  
50+84.04 "S-1-A"

SCALE	BRIDGE FILE
AS NOTED	DESIGNATION
	9999999
	SHEETS
	14 of 21
	CONTRACT
	R-99999

**PURPOSE**

The Temporary Erosion Control sheet provides information regarding the devices used during construction to control erosion from stormwater. Any information required for permitting can be depicted on the Temporary Erosion Control sheet, including revegetation locations and quantities, temporary disturbances, and seed mixtures.

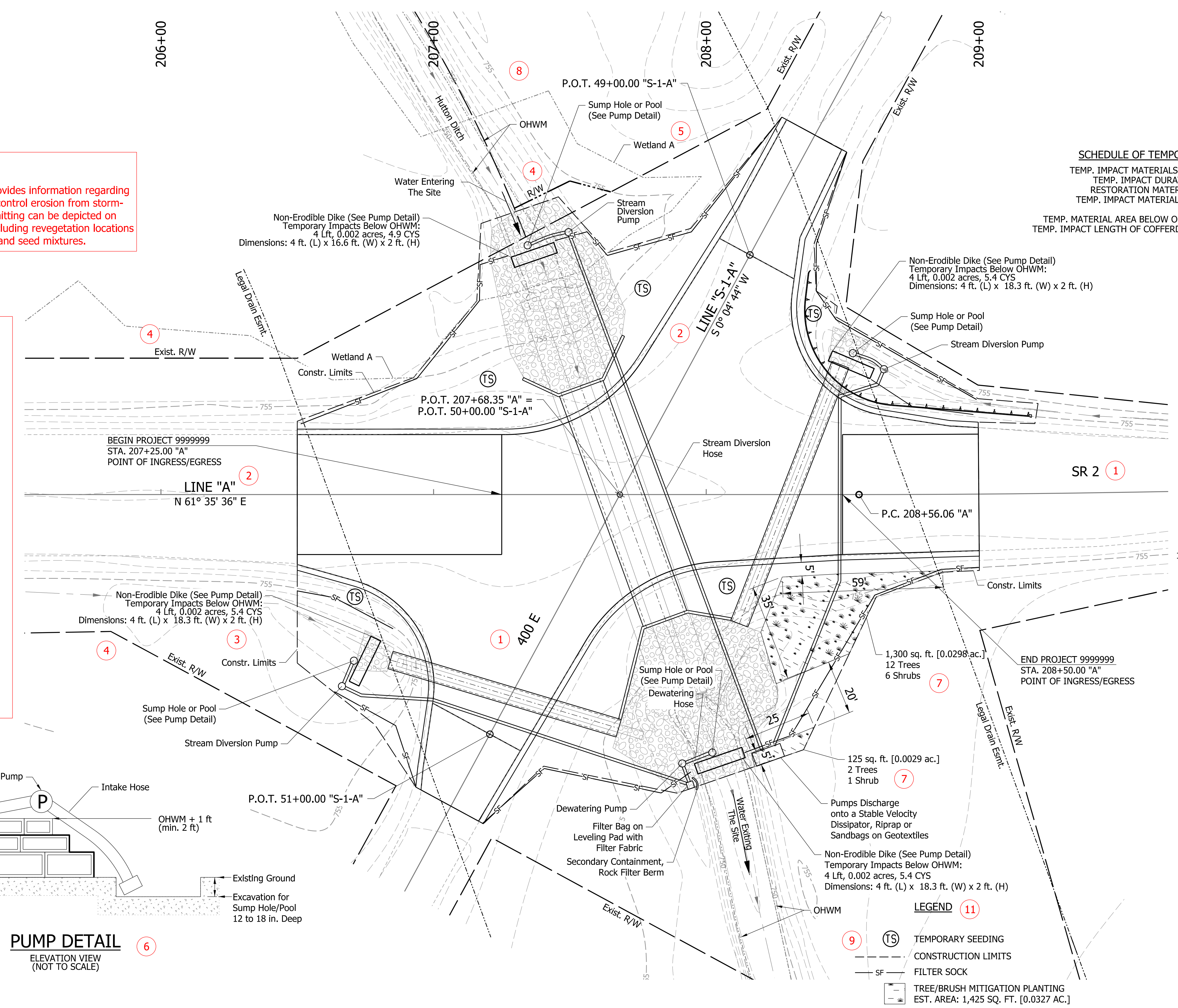
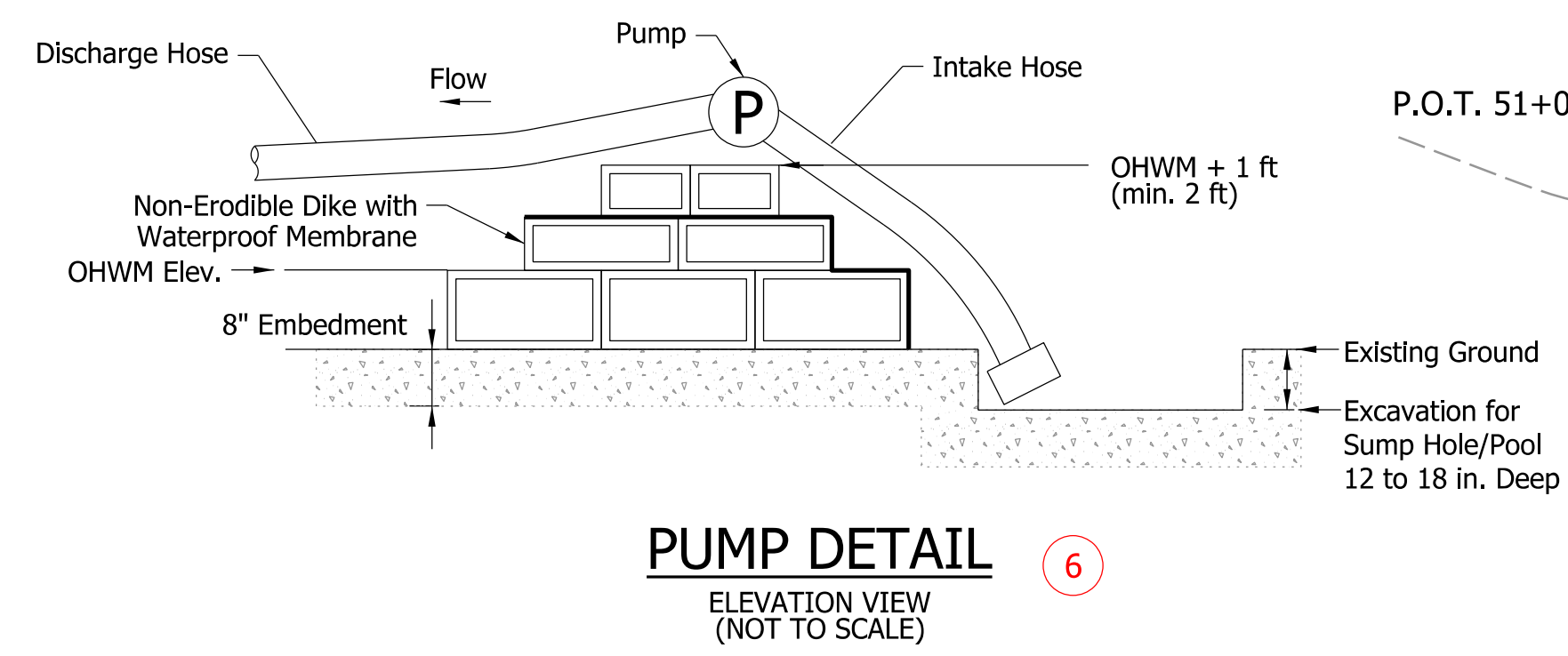
- TEMPORARY EROSION CONTROL REQUIRED ELEMENTS**
- 1 Road Names
  - 2 Alignments Labeled
  - 3 Construction Limits
  - 4 Right-of-Way
  - 5 Wetland Boundaries Drawn & Labeled
  - 6 Pump Detail
  - 7 On-Site Mitigation Details
  - 8 Ordinary High-Water Mark Drawn & Labeled
  - 9 Best Management Practices (Stormwater BMPs)
  - 10 North Arrow
  - 11 Legend
  - 12 General Notes
  - 13 Temporary Impacts Summary
  - 14 Seed Mixture (Native or Floodplain)
  - 15 Signature Block & PE Seal

**SCHEDULE OF TEMPORARY IMPACTS**

TEMP. IMPACT MATERIALS LIST: SANDBAGS, PUMP EQ., PLASTIC/IMPERVIOUS SHEETS  
 TEMP. IMPACT DURATION: TWO WEEKS  
 RESTORATION MATERIALS: VEGETATED AREAS WILL BE SEEDED.  
 TEMP. IMPACT MATERIAL QTY: SANDBAGS = 21.1 CYS BELOW OHWM.  
 IMPERVIOUS SHEETING = 48 SYS  
 TEMP. MATERIAL AREA BELOW OHWM: 0.008 ACRES  
 TEMP. IMPACT LENGTH OF COFFERDAMS: 16 LFT (TOTAL)

- NOTES**
1. PRIOR TO ANY LAND DISTURBING ACTIVITIES, INSTALL DOWNSTREAM SEDIMENT CONTROL MEASURES IN ALL AREAS.
  2. EXISTING CONTOURS ARE SHOWN AT 1 FT INTERVALS.
  3. MAINTAIN EXISTING VEGETATION BEYOND CONSTRUCTION LIMITS.
  4. POINTS OF INGRESS/EGRESS TO BE MAINTAINED IN ACCORDANCE WITH THE INDIANA STORM WATER QUALITY MANUAL.
  5. TRUCKS AND EQUIPMENT ARE TO BE FREE OF DEBRIS AT OR BEFORE THE POINT OF EGRESS.
  6. SEE PLAN & PROFILE SHEET FOR RIGHT-OF-WAY DETAILS.
  7. DRAINAGE AREA = 7.24 SQ. MI. TEMPORARY DEWATERING MEASURES ARE EXPECTED TO BE IN PLACE LESS THAN 2 WEEKS.
  8. DISTURBED AREAS ABOVE THE Q100 WILL BE REGRADED AND RESTORED WITH SEED MIX R. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.
  9. THE CONTRACTOR SHALL FIELD VERIFY THE FLOW LINE ELEVATION PRIOR TO CONSTRUCTION.
  10. THE INTAKE HOSE SHALL BE PLACED SO THAT IT DOES NOT REST ON THE STREAM BED.

Common Name	Botanical Name	Rate (lb/ac.)
INDOT Seed Mixture, Floodplain		
Virginia Wild Rye	Elymus virginicus	2
Canada Wildrye	Elymus canadensis	2
Rough Drop Seed	Sporobolus asper	2.5
Little Bluestem	Schizachyrium scoparium	8.4
Purpletop	Tridens flavus	0.4
Upland Bentgrass	Agrostis perennans	0.2
Partridge Pea	Chamaecrista fasciculata	0.8
Illinois Bundle Flower	Desmanthus illinoensis	0.6
Black-eyed Susan	Rudbeckia hirta	0.6
Showy Tick Trefoil	Desmodium canadense	0.4
Foxtail Barley	Hordeum jubatum	0.6
Purple Coneflower	Echinacea purpurea	0.6
False Sunflower	Helopsis helianthoides	0.4
Common Milkweed	Asclepias syriaca	0.2
Yellow Coneflower	Ratibida pinnata	0.2
Wild Bergamot	Monarda fistulosa	0.1
Spring Summer Cover Crop (April - July)		
Common Oat	Avena sativa	35
Annual Ryegrass	Lolium multiflorum	15
Fall Cover Crop (After July 31st)		
Cereal Rye	Secale cereal	35
Austrian Winter Pea	Pisum sativum	10
Crimson Clover	Trifolium incarnatum	5



- LEGEND**
- 1 (TS) TEMPORARY SEEDING
  - CONSTRUCTION LIMITS
  - SF- FILTER SOCK
  - TREE/BRUSH MITIGATION PLANTING EST. AREA: 1,425 SQ. FT. [0.0327 AC.]

**15**

Title Block Text:  
 Labels: 10 Pt Text  
 Signature: 12 Pt Text

RECOMMENDED FOR APPROVAL *ENG SIGNATURE* M/D/YY DATE  
 DESIGN ENGINEER

DESIGNED: XXX M/YY DRAWN: XXX M/YY  
 CHECKED: XXX M/YY CHECKED: XXX M/YY

PE SEAL

INDIANA DEPARTMENT OF TRANSPORTATION

**EROSION CONTROL DETAILS & MITIGATION PLANS**

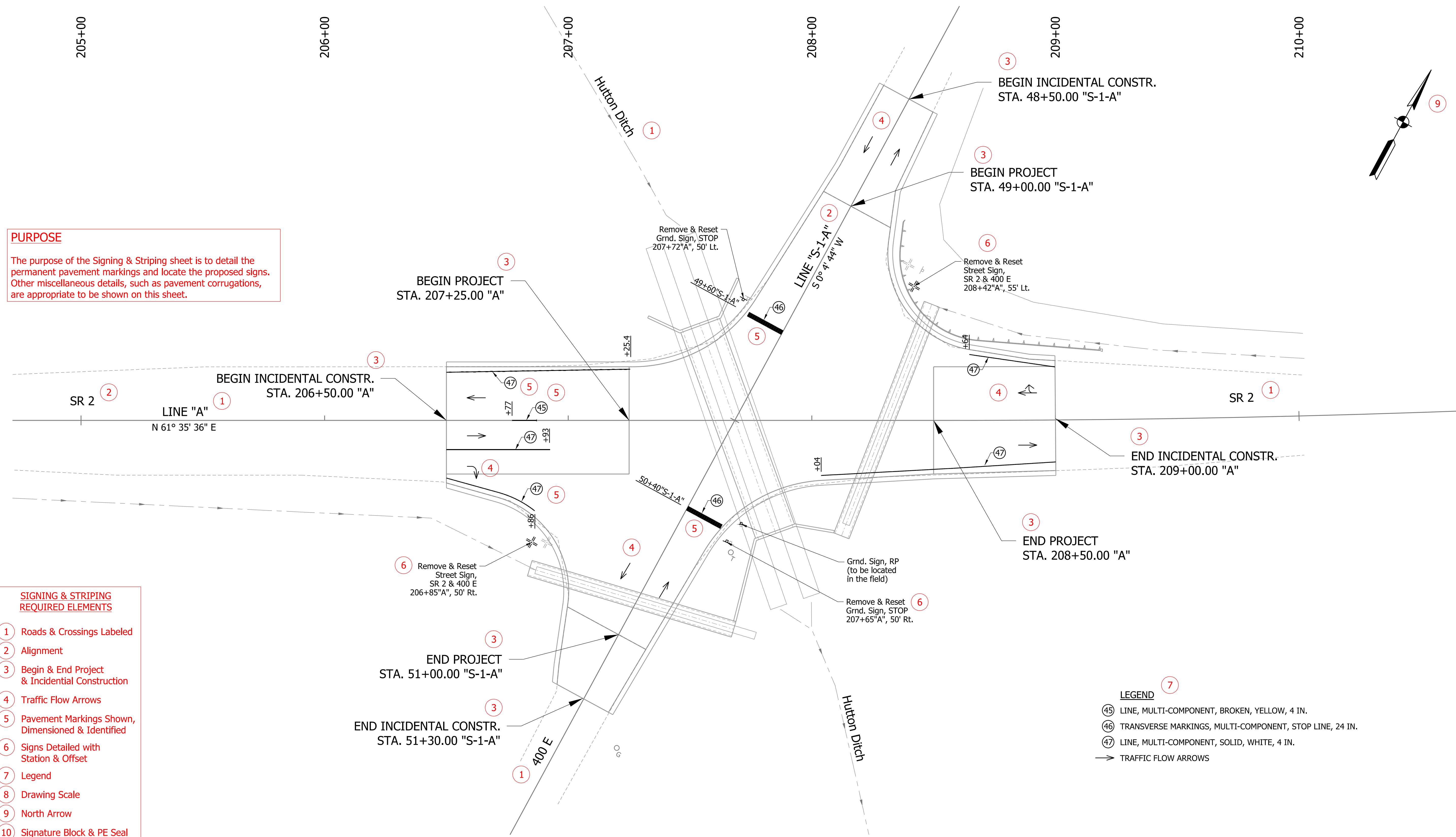
SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
	9999999
	SHEETS
	15 of 21
	CONTRACT
	R-99999

Plot: 12/1/2025 9:24 AM

**PURPOSE**  
 The purpose of the Signing & Striping sheet is to detail the permanent pavement markings and locate the proposed signs. Other miscellaneous details, such as pavement corrugations, are appropriate to be shown on this sheet.

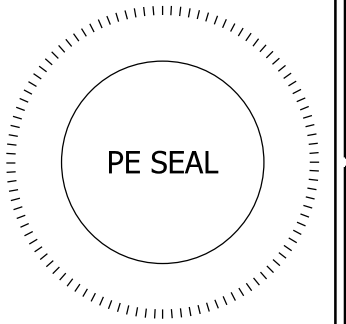
- SIGNING & STRIPING REQUIRED ELEMENTS**
- 1 Roads & Crossings Labeled
  - 2 Alignment
  - 3 Begin & End Project & Incidental Construction
  - 4 Traffic Flow Arrows
  - 5 Pavement Markings Shown, Dimensioned & Identified
  - 6 Signs Detailed with Station & Offset
  - 7 Legend
  - 8 Drawing Scale
  - 9 North Arrow
  - 10 Signature Block & PE Seal

- LEGEND**
- 45 LINE, MULTI-COMPONENT, BROKEN, YELLOW, 4 IN.
  - 46 TRANSVERSE MARKINGS, MULTI-COMPONENT, STOP LINE, 24 IN.
  - 47 LINE, MULTI-COMPONENT, SOLID, WHITE, 4 IN.
  - TRAFFIC FLOW ARROWS



Plot: 12/1/2025 9:25 AM

**Title Block Text:**  
 Labels: 10 Pt Text  
 Signature: 12 Pt Text



RECOMMENDED FOR APPROVAL	<i>ENG SIGNATURE</i>	M/D/YYYY
DESIGNED: _____	XXX M/YY	DRAWN: _____
CHECKED: _____	XXX M/YY	CHECKED: _____

INDIANA  
 DEPARTMENT OF TRANSPORTATION

**SIGNING & STRIPING PLAN  
 LINE "A"**

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
	9999999
	SHEETS
	16 of 21
	CONTRACT
	R-99999

PAVEMENT QUANTITIES AND APPROACH TABLE																																																
LOCATION (STATION)	LT or RT	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RAADI	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE	EXCAVATION	PCCP FOR APPROACHES		HMA FOR APPROACHES, TYPE B		JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	LIQUID ASPHALT SEALANT	HMA MATERIALS			MILLING, TRANSITION	MILLING, ASPH., 1 1/2 IN.	SUBGRADE TREATMENT, TYPE		TACK COAT	COMPACTED AGGREGATE NO. 53		COMPACTED AGGREGATE FOR SURFACE NO. 73		CONCRETE CURB RAMP	DETECTABLE WARNING SURFACE	WIDENING WITH HMA, TYPE B		REMARKS													
							COMPACTED AGGREGATE	HMA	CONCRETE			DEPTH (IN.)		LBS. PER SYD.	LBS. PER SYD.				IB	IC	LBS. PER SYD.			DEPTH (IN.)			LBS. PER SYD.																					
												1	2	CUT	FILL				6	9	440			880	165	275	880	SYS	SYS	SYS	SYS	SYS	SYS	SYS		SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS		
							FT	FT	FT			FT	FT	FT	SYS				SYS	SYS	%			%	CYS	CYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS		SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS		
<b>LINE "A"</b>																																																
206+50 to 207+25		Incidental Constr.																																														
207+25 to 208+50		Mainline																																														
208+50 to 209+00		Incidental Constr.																																														
<b>TOTALS</b>																1,455	997	1,455	2,587.0	1,610.0	1,635.3	736	853	1,689	4,198	163																						
																LFT	LFT	LFT	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	
																			214	222	720																											
																			TONS	TONS	TONS																											

PAVEMENT MARKINGS SUMMARY OF QUANTITIES					
LOCATION	LT / RT	MULTI-COMPONENT LINE	MULTI-COMPONENT LINE		
			SOLID WHITE 4 IN. FT	BROKEN YELLOW 4 IN. FT	STOP LINE WHITE 24 IN. FT
<b>LINE "A"</b>					
206+50	209+00	LT	112		16
206+50	209+00	M		10	
206+50	209+00	RT	180		16
<b>TOTALS</b>			292	10	32

TEMPORARY EROSION AND SEDIMENT CONTROL																			
LOCATION	LEFT	MEDIAN	RIGHT	FILTER SOCK	INTERCEPTOR DITCH	SLOPE DRAIN	DITCH CHECK		SEDIMENT TRAP	SEDIMENT BASIN	SPRASH PAD RIPRAP	REMOVAL OF SEDIMENT	EROSION CONTROL BLANKET	ROCK FILTER BERM	TEMP. MULCH	TEMP. SEEDING			
							STRAW BALE	RIPRAP											
				FT	FT	FT	FT	TON	TON	SYS	TON	CYS	SYS	TON	TON	LBS			
<b>LINE "A"</b>																			
206+50 - 207+04	X			63								12							
206+50 - 206+64			X	14								3							
206+64 - 206+86			X	26								5							
206+64 - 206+85			X	25								5							
206+86 - 206+93			X	24								5							
207+00 - 207+04	X			16								3							
207+00 - 207+13	X			24								5							
207+13 - 207+28	X			17								4							
207+18 - 207+40			X	31								6							
207+40 - 207+89			X	50								10							
207+44 - 207+52	X			18								4							
207+52 - 207+94	X			45								9							
207+89 - 207+96			X	13								3							
207+94 - 208+28	X			53								10							
208+13 - 208+41			X	30								6							
208+40 - 208+52	X			36								7							
208+40 - 208+40	X			18								4							
208+40 - 208+48	X			10								2							
208+41 - 208+62			X	51								10							
208+47 - 208+48	X			4								1							
208+47 - 209+00	X			61								12							
208+61 - 208+76	X			19								4							
208+62 - 208+87			X	26								5							
208+76 - 209+00	X			25								5							
208+87 - 209+00			X	14								3							
206+50 - 208+28	X													0.5	50				
206+50 - 206+98			X											0.2	20				
207+18 - 209+00			X											0.6	60				
208+34 - 209+00	X													0.2	20				
<b>TOTALS =</b>												713				143		1.5	150
<b>USE =</b>												713				143		2	150

MONUMENTS					
LINE	STATION	LT / RT	TYPE	QTY	
				TYPE B (EACH)	R/W (EACH)
A	207+50.00	115.00' LT	R/W		1
	207+65.00	110.99' LT	R/W		1
	207+25.00	-	B	1	
	208+50.00	-	B	1	
<b>TOTALS =</b>				2	2

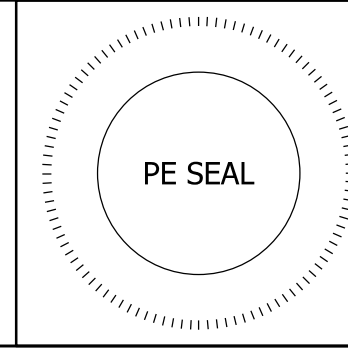
SIGN, REMOVE & RESET					
LINE	STATION	LT / RT	TYPE	MESSAGE	QTY
					(EACH)
A	206+91.26	50.1' RT	SINGLE POST	STREET	1
	207+66.48	50.6' RT	SINGLE POST	STOP	1
	207+70.95	42.6' RT	SINGLE POST	RP 41+15	1
	207+74.06	50.5' LT	SINGLE POST	STOP	1
	208+42.00	55.0' LT	SINGLE POST	STREET	1
<b>TOTALS =</b>					5

TREE REMOVE									
STATION	LT / RT	DESCRIPTION	NOTE	QTY. (EACH)					
				6 IN.	10 IN.	18 IN.	30 IN.	48 IN.	60 IN.
208+08.13	60.2' RT	DEC., 16 IN.				1			
208+07.14	66.0' RT	DEC., 20 IN.					1		
208+17.59	58.1' RT	DEC., 10 IN.			1				
208+19.43	64.8' RT	DEC., 16 IN.				1			
208+34.52	55.9' RT	DEC., 24 IN.					1		
208+46.09	47.8' RT	DEC., 20 IN.					1		
208+46.03	54.8' RT	DEC., 24 IN.					1		
208+53.95	48.5' RT	DEC., 10 IN.			1				
208+58.26	48.4' RT	DEC., 12 IN.	DO NOT DIST.						
208+68.23	43.7' RT	DEC., 24 IN.	DO NOT DIST.						
208+70.60	41.9' RT	DEC., 14 IN.	DO NOT DIST.						
<b>TOTALS =</b>				2	2	4			

**PURPOSE**  
The purpose of the Summary Tables sheet is to provide a summary of approach and miscellaneous quantities. Each table provides a summary of quantities grouped by association. The tables can be combined into one or two sheets for conciseness for smaller projects.

- EST. QTYS. & MISC. TABLES REQUIRED ELEMENTS**
- Quantities for approaches within other project limits must be separated and clearly defined.
  - Quantities already included in other tables should not be repeated.
  - Provided INDOT tables can be modified to suit the project needs.
  - Reducing file size can lead to the tables being illegible when they are inserted in the drawing as a raster.
  - Signature Block & PE Seal

**Title Block Text:**  
Labels: 10 Pt Text  
Signature: 12 Pt Text



RECOMMENDED FOR APPROVAL *ENQ SIGNATURE* M/D/YY  
DESIGN ENGINEER DATE

DESIGNED: XXX M/YY DRAWN: XXX M/YY  
CHECKED: XXX M/YY CHECKED: XXX M/YY

INDIANA DEPARTMENT OF TRANSPORTATION

**SUMMARY TABLES**

SCALE N/A BRIDGE FILE

DESIGNATION 9999999

SHEETS 17 of 21

CONTRACT R-99999

①

STRUCTURE DATA																														
STRUCTURE NUMBER	LOCATION					SIZE	PIPE TYPE	STRUCTURE DESCRIPTION	LENGTH	SUMP	COVER	INVERT ELEV.		SERVICE LIFE	SITE DESIGNATION	PH	BACKFILL METHOD	STR. BACKFILL, TYPE 1	STR. BACKFILL, TYPE 2	STR. BACKFILL, TYPE 3	REVEITEMENT RIPRAP	CLASS I RIPRAP	GETEXTILE FOR RIPRAP, TYPE 1A	NO. 53 STONE; WILDLIFE KING	NO. 53 STONE; UNDER STR.	GETEXTILE FOR SUBGRADE, TYPE 2B UNDER STR.	CONNECT TO STRUCTURE	REMARKS / CUVLERT ASSET ID		
	STATION	ALIGNMENT	LEFT	RIGHT	CROSS							IN	UP STREAM																DOWN STREAM	YR.
			FT	FT																										
10	207+68.35	A			X	15 x 8 FT.		STRUCTURE, REINFORCED CONCRETE, BOX SECTIONS, 15' X 8' & 12" SUMP	158	12	2.0	746.54	745.98	75			1		465.2		297.6		661		58.6	737.4		CV 002-064-41.06 (PREV. INDOT BR. 002-064-07012)		
11	208+30.64	A			X	MIN AREA 16.6 SQ. FT.	1	DEFORMED ELLIPTICAL	102	6	1.5	750.49	749.30	75			1		163.4		17.0	48.5	97		18.0	226.7		CLV-887		
12	50+84.04	S-1-A			X	MIN AREA 16.6 SQ. FT.	1	DEFORMED ELLIPTICAL	98	6	1.5	750.81	749.52	75			1		157.0		17.0		31		17.3	217.8		CLV-33347		

②

INT. DES.	STRUCTURE NUMBER		
		<b>11</b>	<b>12</b>
	PIPE TYPE / SHAPE (CIR or DEF)	DEF	
	SMOOTH PIPE SIZE	16.6	
	CORRUGATED PIPE SIZE		
	SEMI-SMOOTH PIPE SIZE		
CONC.	CLASS	HE-A	
	D <sub>0.01</sub> RATING	600	
PLASTIC PIPE	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)		
	CORRUGATED PE PIPE, TYPE S (S)*		
	PROFILE WALL (RIBBED) PE PIPE (S)*		
	PROFILE WALL (CLOSED) PE PIPE (S)*		
	SMOOTH WALL PE PIPE (S)* / MAXIMUM DR		
	CORRUGATED PP PIPE (S)		
	PROFILE WALL PVC PIPE (S)		
	SMOOTH WALL PVC PIPE (S)*		
	CLAY	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)	
	CORRUGATED STEEL PIPE / PIPE ARCH	FULLY BIT. PAVED & LINED (S)	CORR. PROFILE THICKNESS
ZINC COATED (C)		CORR. PROFILE THICKNESS	
ZINC COATED W/ BPI (C)		CORR. PROFILE THICKNESS	
ALUM. COATED TYPE 2 (C)		CORR. PROFILE THICKNESS	
POLYMER PRECOATED GALVANIZED (C)		CORR. PROFILE THICKNESS	
POLYMER PRECOATED GALVANIZED CORR. STEEL PIPE TYPE 1A (S)		CORR. PROFILE THICKNESS	
CORR. ALUM. PIPE / P-ARCH	CORR. ALUM. ALLOY (C)	CORR. PROFILE THICKNESS	
	CORR. ALUM. ALLOY W/ BPI (C)	CORR. PROFILE THICKNESS	
SPIRAL RIB STEEL PIPE	ZINC COATED (SS)	RIB PROFILE THICKNESS	
	ZINC COATED W/ BPI (SS)	RIB PROFILE THICKNESS	
	ALUM. COATED TYPE 2 (SS)	RIB PROFILE THICKNESS	
	POLYMER PRECOATED GALVANIZED (SS)	RIB PROFILE THICKNESS	
STRUCTURAL PLATE PIPE / PIPE-ARCH	STR. PLATE ALUMINUM ALLOY (C)	CORR. PROFILE THICKNESS	
	STR. PLATE ALUMINUM ALLOY W/ CFP (C)	CORR. PROFILE THICKNESS	
	STR. PLATE STEEL (C)	CORR. PROFILE THICKNESS**	
	STR. PLATE STEEL W/ CFP (C)	CORR. PROFILE THICKNESS**	

### LEGEND

**PIPE MATERIAL**

RCP	Reinforced Concrete Pipe
RCHEP	Reinforced Concrete Horizontal Elliptical Pipe
PE	Polyethylene
DR	Dimension Ratio
PVC	Polyvinyl Chloride
PP	Polypropylene
CORR	Corrugation
ALUM	Aluminum
STR	Structural
(LS)	Lock Seam Pipe Required

**PIPE PROTECTION**

BPI	Bituminous Paved Invert
CFP	Concrete Field Paving
BIT	Bituminous

**SHAPE**

CIR	Circular Pipe
DEF	Deformed Pipe

**INTERIOR DESIGNATION**

(S)	Smooth Pipe Material
(C)	Corrugated Pipe Material
(SS)	Semi-Smooth Pipe Material

**INTERIOR DESIGNATION**

Circular pipe is shown as diameter in inches.  
Deformed Pipe is shown as area in square feet.

\* Refer to Standard Drawings 715-PHCL-20 through -22 for nominal diameter appropriate for pay item diameter.  
\*\* Tabulated thickness refers to top and side plates. for pipes and pipe-arches with a thickness less than 0.280 in., bottom plates shall be of next greater available thickness.

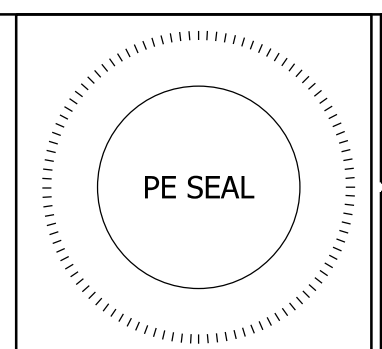
**PURPOSE**

The Structure Data table contains all the information necessary to locate, place, or construct all structures throughout the project. For smaller projects, the Structure Data table need not fill the entire sheet. This project combines the pipe material table on this sheet, which is pertinent by association with the structure data table.

- STRUCTURE DATA & PIPE MAT'L TABLES REQUIRED ELEMENTS**
- ① Structure Data table can be minimized for smaller projects and the sheet combined with other tables such as the Pipe Material Table.
  - ② Quantities already included in other tables should not be repeated.
  - ③ Provided INDOT tables can be modified to suit the project needs.
  - ④ Reducing file size can lead to the tables being illegible when they are inserted in the drawing as a raster.
  - ⑤ Signature Block & PE Seal

⑤

Title Block Text:  
Labels: 10 Pt Text  
Signature: 12 Pt Text



RECOMMENDED FOR APPROVAL *ENG SIGNATURE* M/D/YY  
DESIGN ENGINEER DATE

DESIGNED: \_\_\_XXX\_\_\_ M/YY DRAWN: \_\_\_XXX\_\_\_ M/YY  
CHECKED: \_\_\_XXX\_\_\_ M/YY CHECKED: \_\_\_XXX\_\_\_ M/YY

INDIANA  
DEPARTMENT OF TRANSPORTATION

**STRUCTURE DATA &  
PIPE MATERIAL TABLES**

SCALE N/A	BRIDGE FILE
	DESIGNATION 9999999
	SHEETS 18 of 21
	CONTRACT R-99999

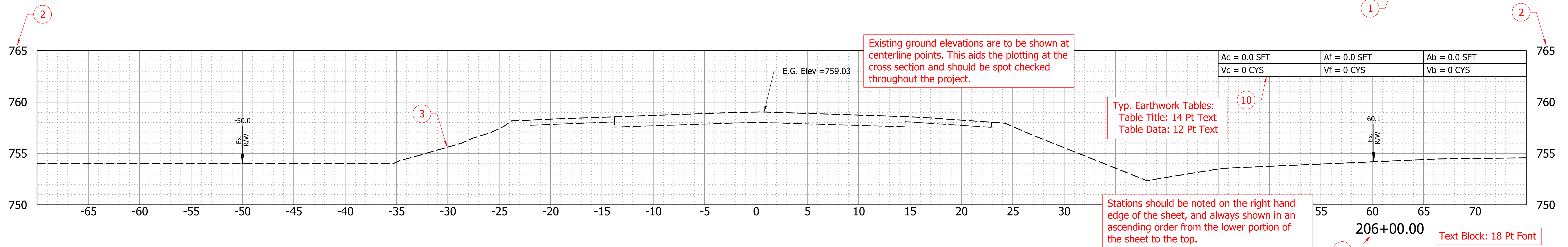
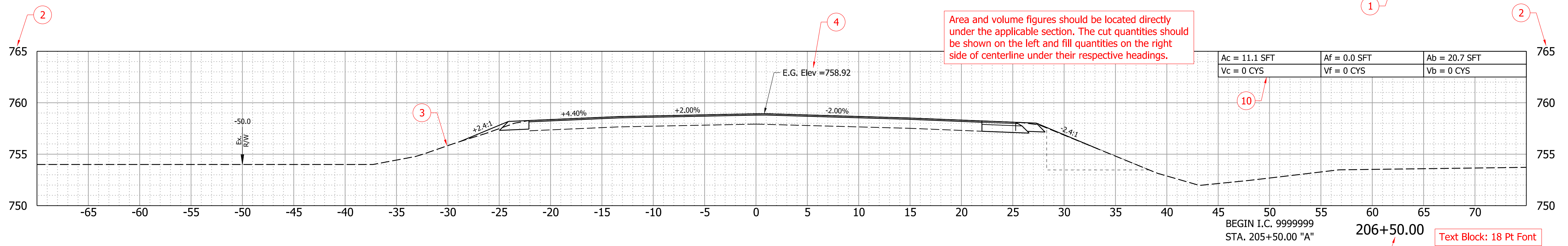
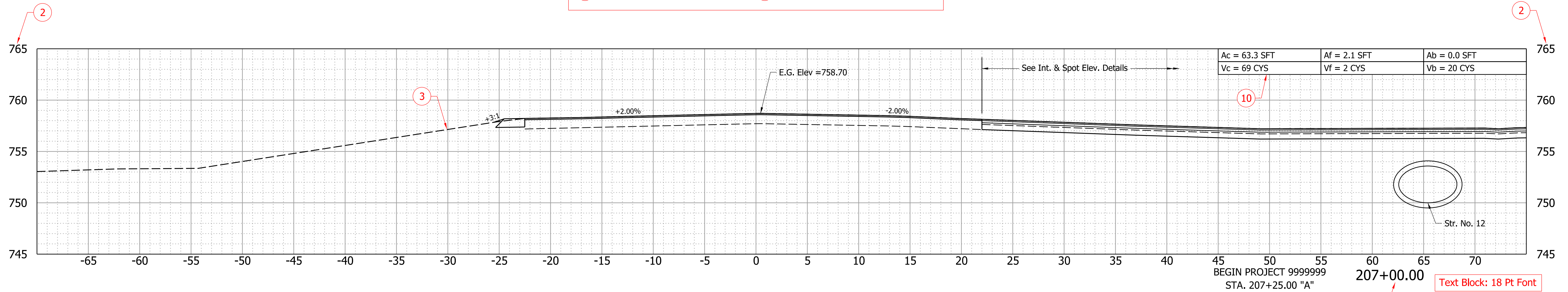
**PURPOSE**

Cross Sectioning primarily provides the information needed to calculate earthwork quantities. Plotted cross sections aid the designer in illustrating special features of the proposed improvements.

**CROSS SECTIONS  
REQUIRED ELEMENTS**

- ① Station of Cross Section
- ② Datum Elevations
- ③ Existing Ground
- ④ Centerline Ground Elevation
- ⑤ Profile Grade Point & Elevations
- ⑥ Proposed Template
- ⑦ Line Designation
- ⑧ Structures (where applicable)
- ⑨ Structure Notes (where applicable)
- ⑩ Earthwork Quantities

Typ. All Cross Sections:  
Cross Section Station: 18 Pt Text  
Grid Axis Labels: 12 Pt Text  
Dimensions & Text Callouts: 12 Pt Text



Area and volume figures should be located directly under the applicable section. The cut quantities should be shown on the left and fill quantities on the right side of centerline under their respective headings.

Existing ground elevations are to be shown at centerline points. This aids the plotting at the cross section and should be spot checked throughout the project.

Typ. Earthwork Tables:  
Table Title: 14 Pt Text  
Table Data: 12 Pt Text

Stations should be noted on the right hand edge of the sheet, and always shown in an ascending order from the lower portion of the sheet to the top.

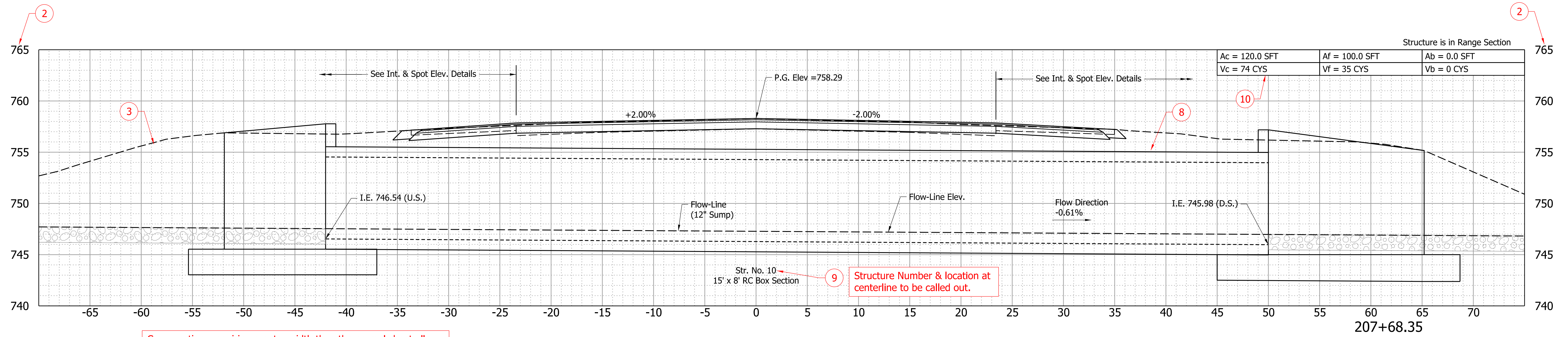
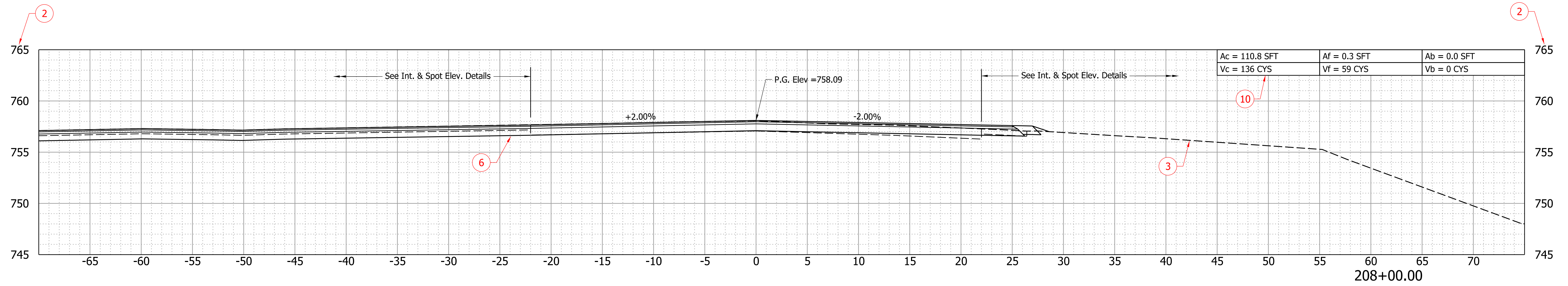
General Note:  
Cross Sections are placed on the sheet by the application used. The appearance of the grid and stationing labels may vary. The text sizes used should follow INDOT CAD standards.

The signature and seal are not required for the cross section sheets. They may be omitted or left blank in the border.

Title Block Text:  
Labels: 10 Pt Text

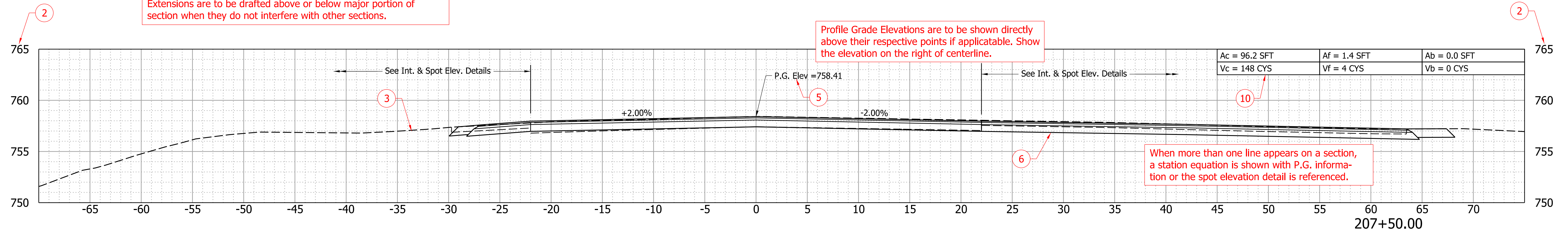
INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 5'	BRIDGE FILE
CROSS SECTIONS LINE "A"      ⑦		VERTICAL SCALE 1" = 5'	DESIGNATION 9999999
DESIGNED:    ___ XXX    M/YY	DRAWN:        ___ XXX    M/YY	SHEETS 19 of 21	
CHECKED:    ___ XXX    M/YY	CHECKED:    ___ XXX    M/YY	CONTRACT R-99999	

See Sheet 19 for Purpose statement



Cross sections requiring greater width than the normal sheet allows are to be drafted using "match lines" and "extended sections." Extensions are to be drafted above or below major portion of section when they do not interfere with other sections.

Profile Grade Elevations are to be shown directly above their respective points if applicable. Show the elevation on the right of centerline.



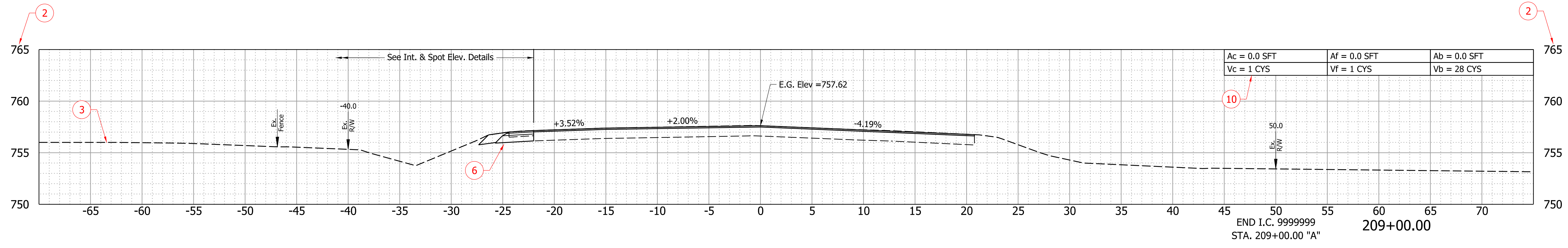
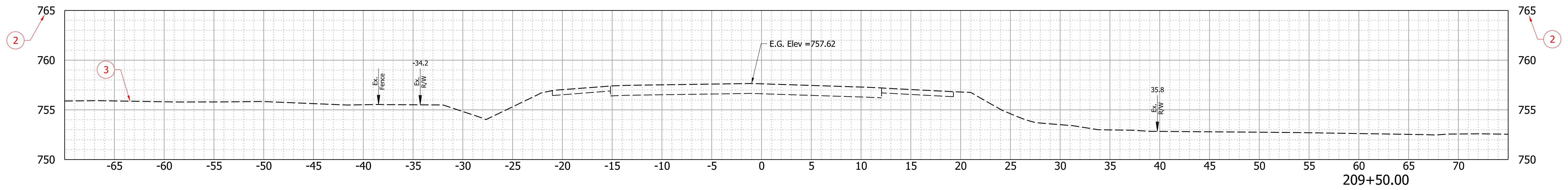
When more than one line appears on a section, a station equation is shown with P.G. information or the spot elevation detail is referenced.

See Sheet 19 for Cross Section Sheet Required Elements

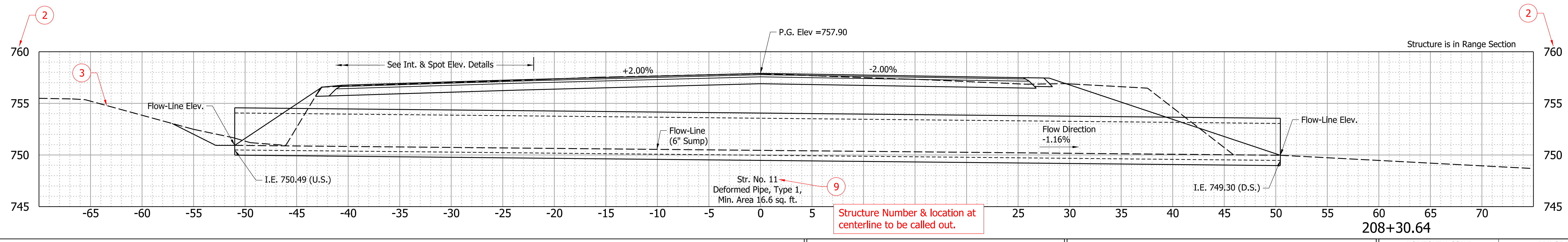
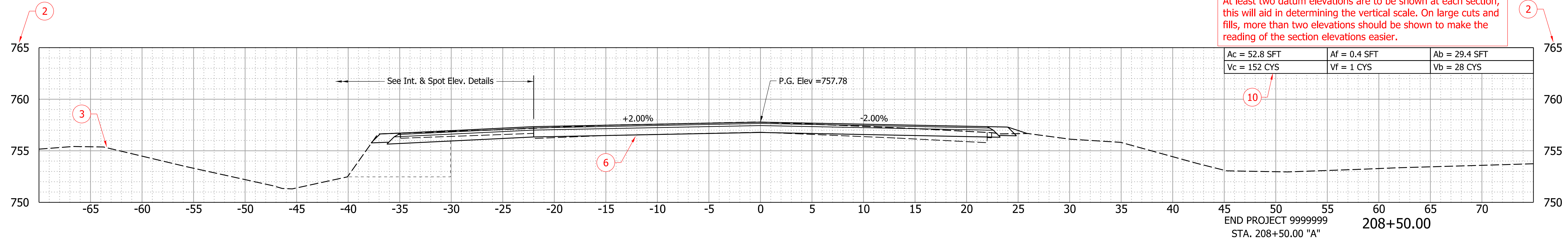
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CHECKED: _____ M/YY		CHECKED: _____ M/YY				1" = 5'		DESIGNATION	
				CROSS SECTIONS LINE "A"		1" = 5'		9999999	
								SHEETS	
						20 of 21		CONTRACT	
								R-99999	

Plot: 12/1/2025 9:26 AM

See Sheet 19 for Purpose statement



At least two datum elevations are to be shown at each section, this will aid in determining the vertical scale. On large cuts and fills, more than two elevations should be shown to make the reading of the section elevations easier.



Structure Number & location at centerline to be called out.

See Sheet 19 for Cross Section Sheet Required Elements

DESIGNED: _____ M/YY		DRAWN: _____ M/YY		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 5'		BRIDGE FILE	
CHECKED: _____ M/YY		CHECKED: _____ M/YY				VERTICAL SCALE 1" = 5'		DESIGNATION 9999999	
CROSS SECTIONS LINE "A"						SHEETS			
						21 of 21			
						CONTRACT R-99999			

Plot: 12/1/2025 9:26 AM