

PROJECT	DESIGNATION
1902734	1902734
CONTRACT	
R-43491	

INDIANA DEPARTMENT OF TRANSPORTATION



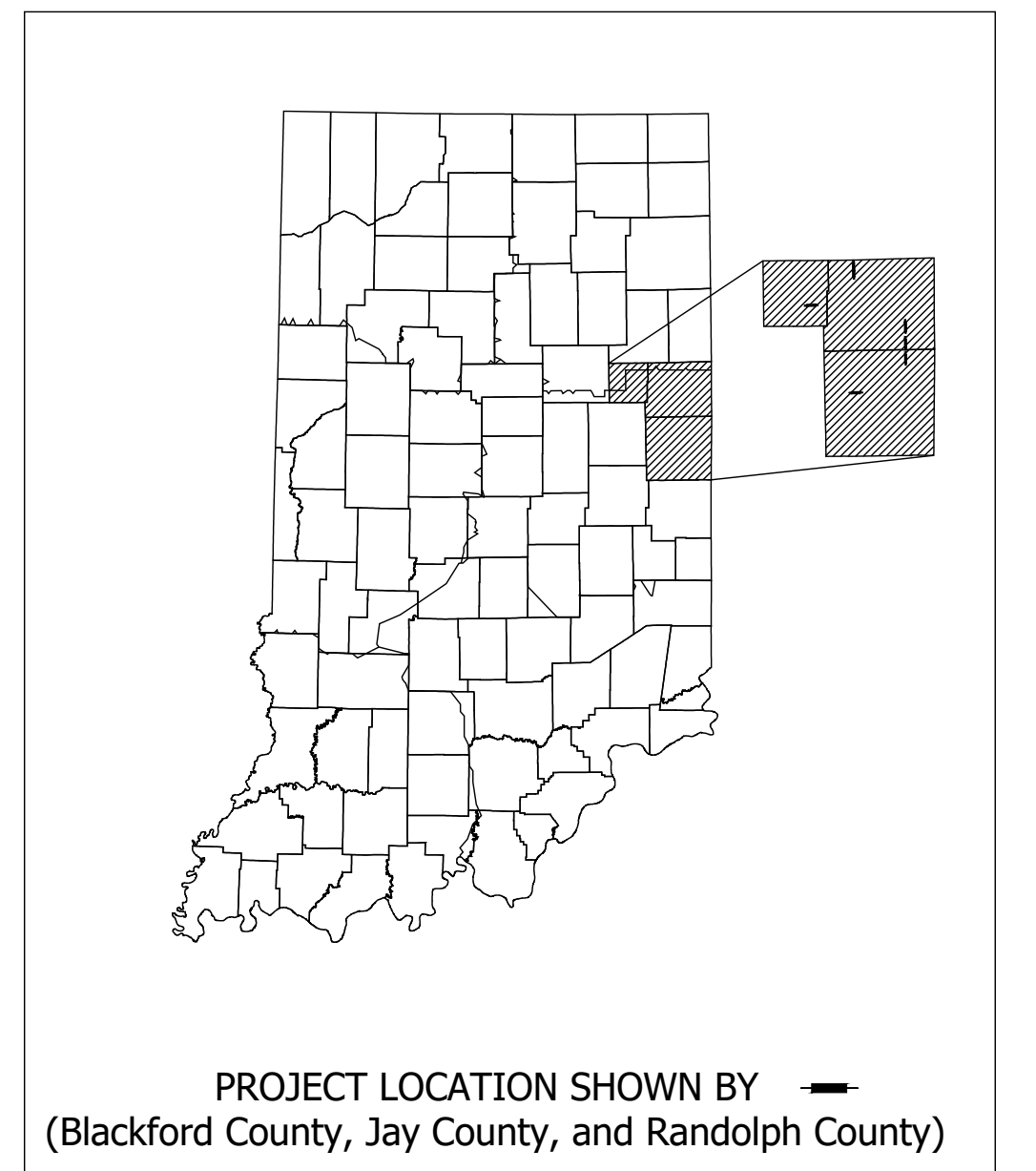
ROAD PLANS

Stage 3 Plans
July 21, 2022

ADDITIONAL RIGHT OF WAY
REQUIRED FOR THIS PROJECT

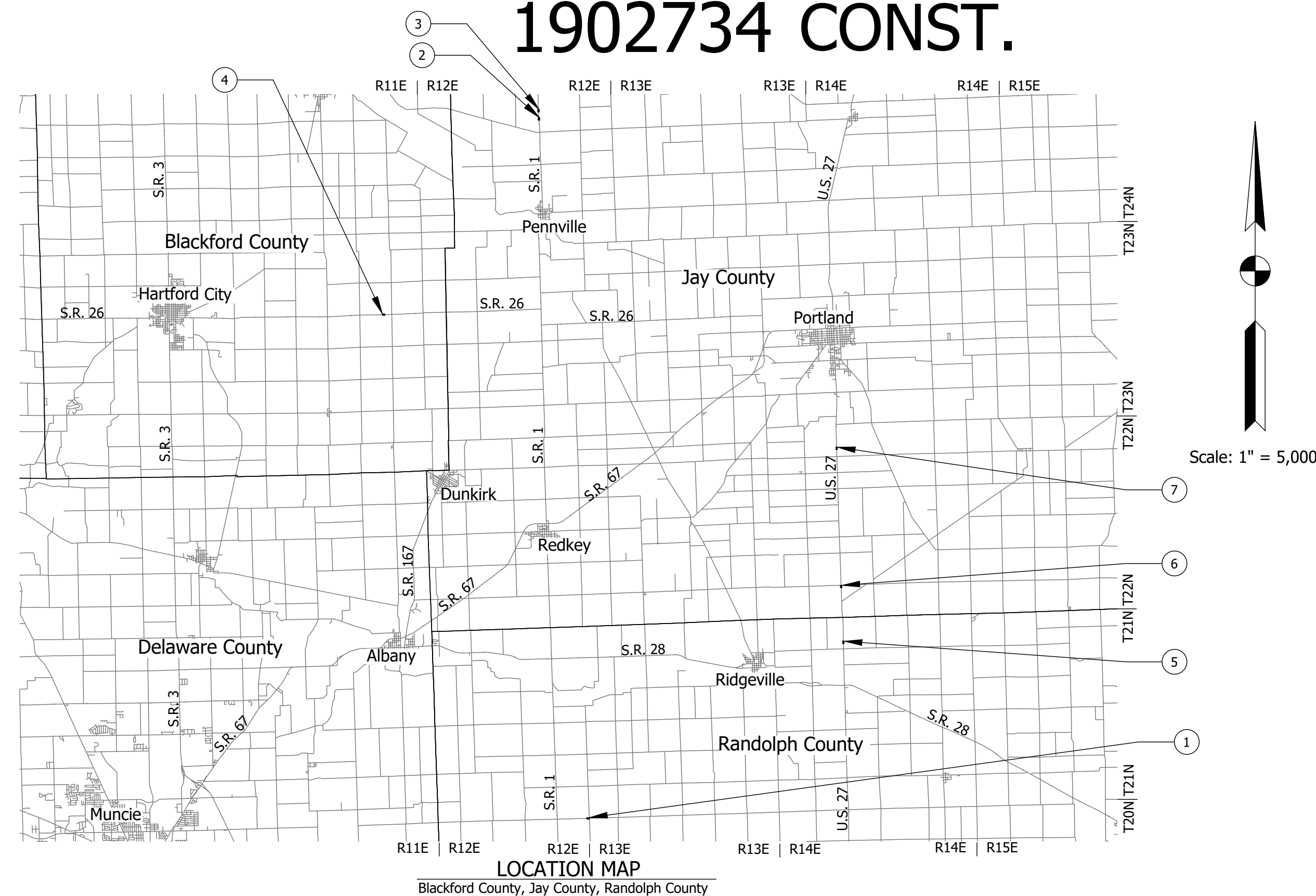
① ROUTE: S.R. 1	FROM: RP 87+88	TO: RP 88+03
② ROUTE: S.R. 1	FROM: RP 110+68	TO: RP 110+75
③ ROUTE: S.R. 1	FROM: RP 110+90	TO: RP 110+96
④ ROUTE: S.R. 26	FROM: RP 124+98	TO: RP 125+07
⑤ ROUTE: U.S. 27	FROM: RP 55+23	TO: RP 55+28
⑥ ROUTE: U.S. 27	FROM: RP 57+01	TO: RP 57+07
⑦ ROUTE: U.S. 27	FROM: RP 61+24	TO: RP 61+31

SEE INDEX AND GENERAL NOTES FOR TRAFFIC DATA



- Project Description:**
- Structure Replacement on S.R. 1, 1.93 mi N of Jct of IN-32 in the City of Farmland, located in Section 1, T-20-N, R-12-E, and Section 36, T-21-N, R-12-E, Monroe Township, Randolph County, Indiana
Str. No. 1, CLV-001-068-87.96,
Project Begin - Sta. 27+01.00; Project End - Sta. 30+76.00, Line "SR-1"
 - Structure Replacement on S.R. 1, 1.09 mi S of Jct of S.R.18 in the City of Pennville, located in Section 15, T-24-N, R-12-E, Penn Township, Jay County, Indiana
Str. No. 2, CLV-001-038-110.71,
Project Begin - Sta. 98+75.00; Project End - Sta. 99+55.00, Line "A-1"
 - Structure Replacement on S.R. 1, 0.87 mi S of Jct of S.R.18 in the City of Pennville, located in Section 10, T-23-N, R-12-E, Penn Township, Jay County, Indiana
Str. No. 3, CLV-001-038-110.93,
Project Begin - Sta. 110+25.00; Project End - Sta. 110+90.00, Line "A-1"
 - Structure Replacement on S.R. 26, 0.26 mi W of Jct of C.R. 700E in the City of Hartford City, located in Sections 11 and 14, T-23-N, R-11-E, Jackson Township, Blackford County, Indiana
Str. No. 4, CLV-026-005-125.01
Project Begin - Sta. 608+00.00; Project End - Sta. 610+00.00, Line "A"
 - Structure Replacement on U.S. 27, 1.20 mi N of Jct of S.R. 28 in the City of Ridgeville, located in Sections 4 and 5, T-21-N, R-14-E, Ward Township, Randolph County, Indiana
Str. No. 5, CLV-027-068-55.25,
Project Begin - Sta. 328+75.00; Project End - Sta. 329+40.00, Line "US 27"
 - Structure Replacement on U.S. 27, 3.11 mi N of Jct of S.R. 28 in the City of Portland, located in Sections 28, 29, 32, and 33, T-22-N, R-14-E, Pike Township, Jay County, Indiana
Str. No. 6, CLV-027-038-57.06,
Project Begin - Sta. 423+00.00; Project End - Sta. 423+50.00, Line "PR1"
 - Structure Replacement on U.S. 27, 3.28 mi S of Jct of S.R. 26 in the City of Portland, located in Sections 4 and 5, T-22-N, R-14-E, Pike Township, Jay County, Indiana
Str. No. 7, CLV-027-038-61.28,
Project Begin - Sta. 646+25.00; Project End - Sta. 646+75.00, Line "PR-1"

PROJECT NO. 1902734 P.E. 1902734 R/W 1902734 CONST.



①	LATITUDE: 40°13'15.54"N	LONGITUDE: 85° 7'46.45"W
	HUC 14: # 05120103020050	
②	LATITUDE: 40°32'12.48"N	LONGITUDE: 85° 8'57.68"W
	HUC 14: # 05120102020020	
③	LATITUDE: 40°32'23.83"N	LONGITUDE: 85° 8'58.53"W
	HUC 14: # 05120102020020	
④	LATITUDE: 40°26'60.00"N	LONGITUDE: 85°14'36.83"W
	HUC 14: # 05120102020010	
⑤	LATITUDE: 40°17'51.41"N	LONGITUDE: 84°58'35.43"W
	HUC 14: # 05120103010070	
⑥	LATITUDE: 40°19'24.51"N	LONGITUDE: 84°58'37.36"W
	HUC 14: # 05120103020020	
⑦	LATITUDE: 40°23'5.05"N	LONGITUDE: 84°58'40.30"W
	HUC 14: # 05120102010050	

①	BRIDGE LENGTH:	N/A	MI.
	ROADWAY LENGTH:	0.071	MI.
	TOTAL LENGTH:	0.071	MI.
	MAX. GRADE:	0.78	%
②	BRIDGE LENGTH:	N/A	MI.
	ROADWAY LENGTH:	0.014	MI.
	TOTAL LENGTH:	0.014	MI.
	MAX. GRADE:	0.03	%
③	BRIDGE LENGTH:	N/A	MI.
	ROADWAY LENGTH:	0.012	MI.
	TOTAL LENGTH:	0.012	MI.
	MAX. GRADE:	0.03	%
④	BRIDGE LENGTH:	N/A	MI.
	ROADWAY LENGTH:	0.038	MI.
	TOTAL LENGTH:	0.038	MI.
	MAX. GRADE:	0.44	%
⑤	BRIDGE LENGTH:	N/A	MI.
	ROADWAY LENGTH:	0.012	MI.
	TOTAL LENGTH:	0.012	MI.
	MAX. GRADE:	0.34	%
⑥	BRIDGE LENGTH:	N/A	MI.
	ROADWAY LENGTH:	0.009	MI.
	TOTAL LENGTH:	0.009	MI.
	MAX. GRADE:	0.21	%
⑦	BRIDGE LENGTH:	N/A	MI.
	ROADWAY LENGTH:	0.009	MI.
	TOTAL LENGTH:	0.009	MI.
	MAX. GRADE:	0.38	%

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

Date: Jul 20, 2022, 12:04pm User Name: BBritton File: X:\Production\Files\2020\1200-2028\PRJ-02\Departments\HY\CAD\Misc\DWG\Title Sheet.dwg

PLANS PREPARED BY:	Lochmueller Group	(317)-222-3880
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:		DATE
	INDIANA DEPARTMENT OF TRANSPORTATION	

BRIDGE FILE	
N/A	
DESIGNATION	
1902734	
SURVEY BOOK	SHEET
ELECTRONIC	1 of 102
CONTRACT	PROJECT
R-43491	1902734

COORDINATE LISTING: RANDOM CONTROL POINTS

PT.#	NORTHING	EASTING	DESCRIPTION
2606	307936.631	765008.986	SET 3/4" REBAR W/ REF. CAP
2607	308064.306	765540.229	FND. 1" IRON PIN IN MON BOX

COORDINATE LISTING: SECTION, PROPERTY CORNER EVIDENCE FOUND

PT. #	NORTHING	EASTING	DESCRIPTION
551	307923.097	765542.711	SET MAG NAIL/FIRM WASHER AT RE-ESTABL. LOCATION
2607	308064.306	765540.229	SET 1" IRON PIN IN MON BOX
802246	310585.607	765495.905	FND. MAG NAIL FLUSH
802247	307962.243	770366.233	FND. SURVEY MARKER FLUSH
802248	307886.422	760253.866	FND. MAG NAIL 0.1' BG
802258	307924.207	765687.043	CEN. OF FND. MON. BOX COULD NOT OPEN

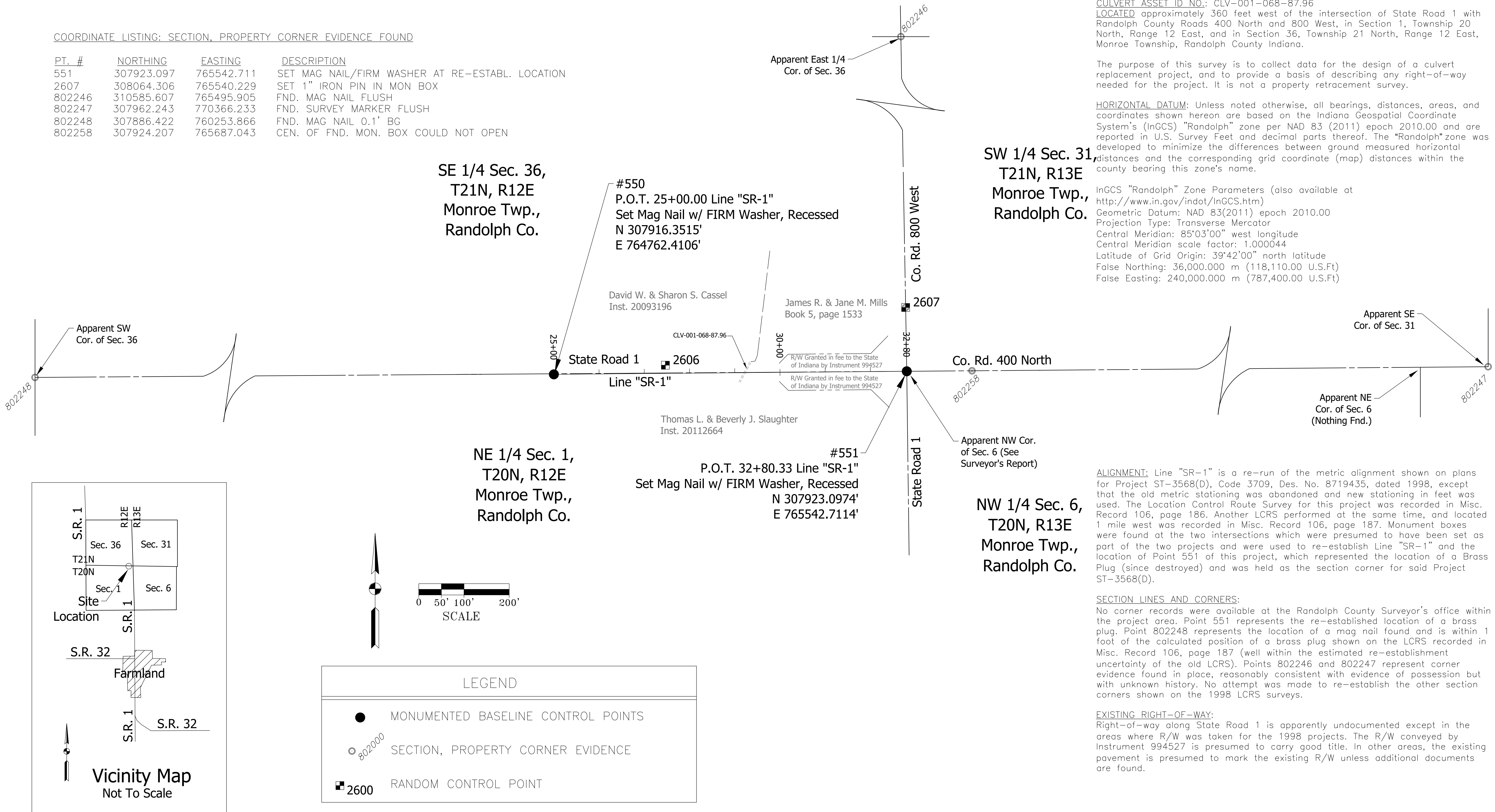
SURVEYOR'S REPORT

ROUTE SURVEY for culvert replacement, State Road 1, 2.0 miles north of the northern junction of State Road 1 with State Road 32.
OWNER: Department of Transportation
CLIENT: Parson Transportation Group Inc.
INDOT DES. NO.: 1902734
CULVERT ASSET ID NO.: CLV-001-068-87.96
LOCATED approximately 360 feet west of the intersection of State Road 1 with Randolph County Roads 400 North and 800 West, in Section 1, Township 20 North, Range 12 East, and in Section 36, Township 21 North, Range 12 East, Monroe Township, Randolph County Indiana.

The purpose of this survey is to collect data for the design of a culvert replacement project, and to provide a basis of describing any right-of-way needed for the project. It is not a property retracement survey.

HORIZONTAL DATUM: Unless noted otherwise, all bearings, distances, areas, and coordinates shown hereon are based on the Indiana Geospatial Coordinate System's (InGCS) "Randolph" zone per NAD 83 (2011) epoch 2010.00 and are reported in U.S. Survey Feet and decimal parts thereof. The "Randolph" zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county bearing this zone's name.

InGCS "Randolph" Zone Parameters (also available at <http://www.in.gov/indot/InGCS.htm>)
 Geometric Datum: NAD 83(2011) epoch 2010.00
 Projection Type: Transverse Mercator
 Central Meridian: 85°03'00" west longitude
 Central Meridian scale factor: 1.000044
 Latitude of Grid Origin: 39°42'00" north latitude
 False Northing: 36,000,000 m (118,110.00 U.S.Ft)
 False Easting: 240,000,000 m (787,400.00 U.S.Ft)



ALIGNMENT: Line "SR-1" is a re-run of the metric alignment shown on plans for Project ST-3568(D), Code 3709, Des. No. 8719435, dated 1998, except that the old metric stationing was abandoned and new stationing in feet was used. The Location Control Route Survey for this project was recorded in Misc. Record 106, page 186. Another LCRS performed at the same time, and located 1 mile west was recorded in Misc. Record 106, page 187. Monument boxes were found at the two intersections which were presumed to have been set as part of the two projects and were used to re-establish Line "SR-1" and the location of Point 551 of this project, which represented the location of a Brass Plug (since destroyed) and was held as the section corner for said Project ST-3568(D).

SECTION LINES AND CORNERS:
 No corner records were available at the Randolph County Surveyor's office within the project area. Point 551 represents the re-established location of a brass plug. Point 802248 represents the location of a mag nail found and is within 1 foot of the calculated position of a brass plug shown on the LCRS recorded in Misc. Record 106, page 187 (well within the estimated re-establishment uncertainty of the old LCRS). Points 802246 and 802247 represent corner evidence found in place, reasonably consistent with evidence of possession but with unknown history. No attempt was made to re-establish the other section corners shown on the 1998 LCRS surveys.

EXISTING RIGHT-OF-WAY:
 Right-of-way along State Road 1 is apparently undocumented except in the areas where R/W was taken for the 1998 projects. The R/W conveyed by Instrument 994527 is presumed to carry good title. In other areas, the existing pavement is presumed to mark the existing R/W unless additional documents are found.

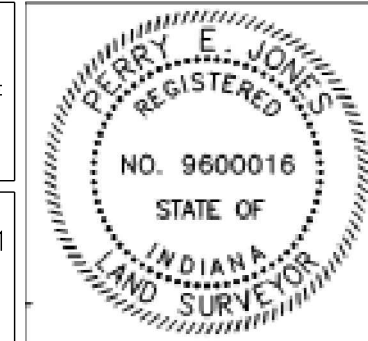
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SOCIAL SECURITY REDACTION STATEMENT
 I affirm, under the penalties for perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law.
Perry E. Jones
 This document prepared by: Perry E. Jones

LOCHMUELLER GROUP
 Prepared By: LOCHMUELLER GROUP, INC.
 1740 Bernard Lochmueller & Associates, Inc.
 6200 Vogel Road, Evansville, IN 47715 812.479.6200
 Toll Free 1.800.423.7411 Fax 812.479.6262

SURVEY STARTED	05/12/2021
SURVEY COMPLETED	07/30/2021
ROUTE PLAT SHEETS	1 of 1
SURVEYOR'S PROJECT NO.	120-2028-02H

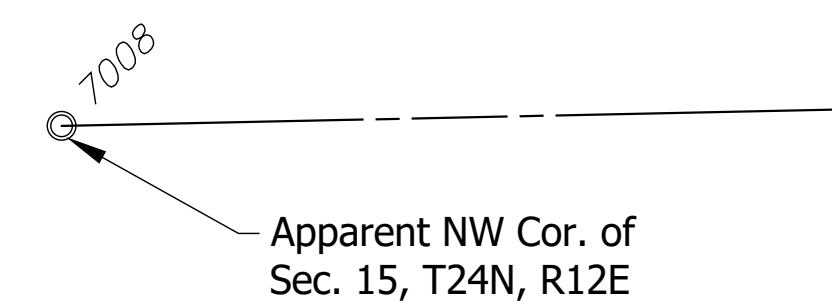
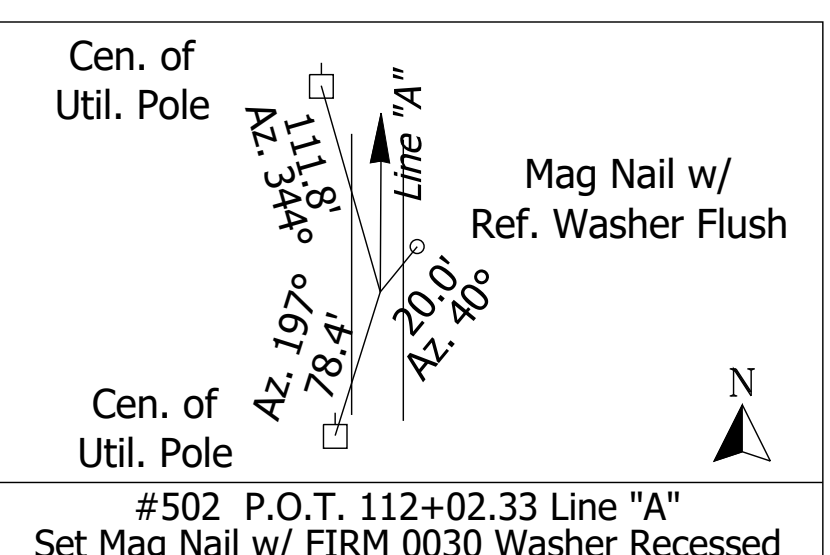
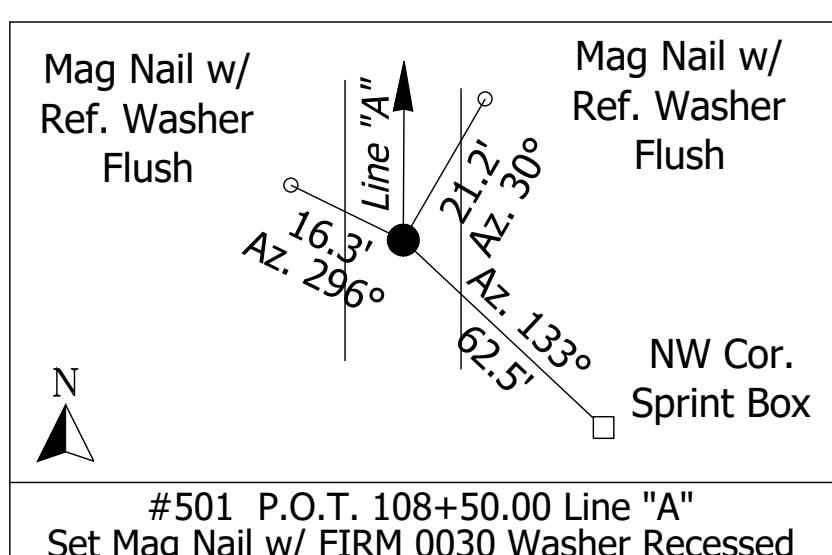
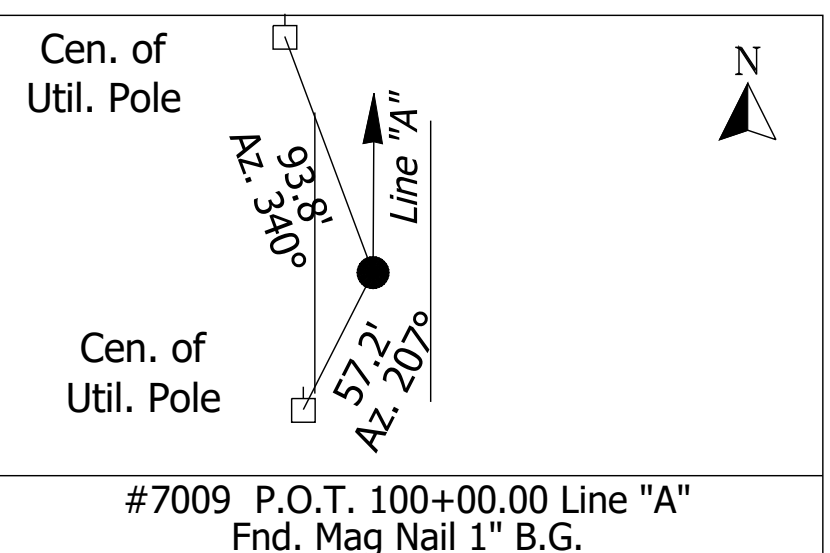
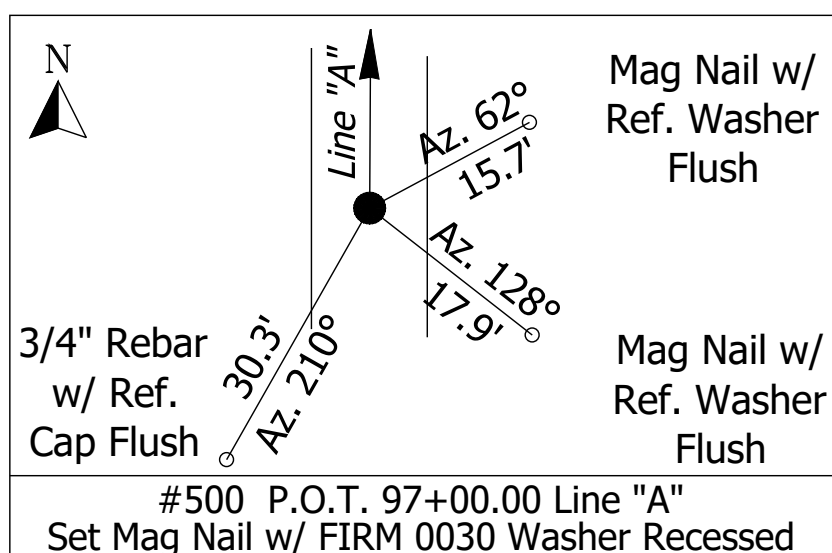
FIELD SURVEYOR STATEMENT
 THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS CONDUCTED ACCORDING TO THE PROVISIONS OF IND. I.A.C. 1-12-30 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.
 RECOMMENDED FOR APPROVAL: 08/02/2021
Perry E. Jones
 REGISTERED LAND SURVEYOR, FIELD DATE



Prepared for the
INDIANA DEPARTMENT OF TRANSPORTATION
 ALIGNMENT REFERENCE TIES
 S.R. 1, 2.0 miles N. of the N. junction of S.R. 1 with S.R. 32

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
COUNTY	DESIGNATION
RANDOLPH	1902734
SURVEY BOOK	SHEETS
DIGITAL	3 of 102
CONTRACT	PROJECT
R-43491	1902734

LEGEND	
●	MONUMENTED BASELINE CONTROL POINTS
□ 625000 ○ 7000	PROPERTY/SECTION/EXISTING R/W EVIDENCE
■ 2000	RANDOM CONTROL POINT

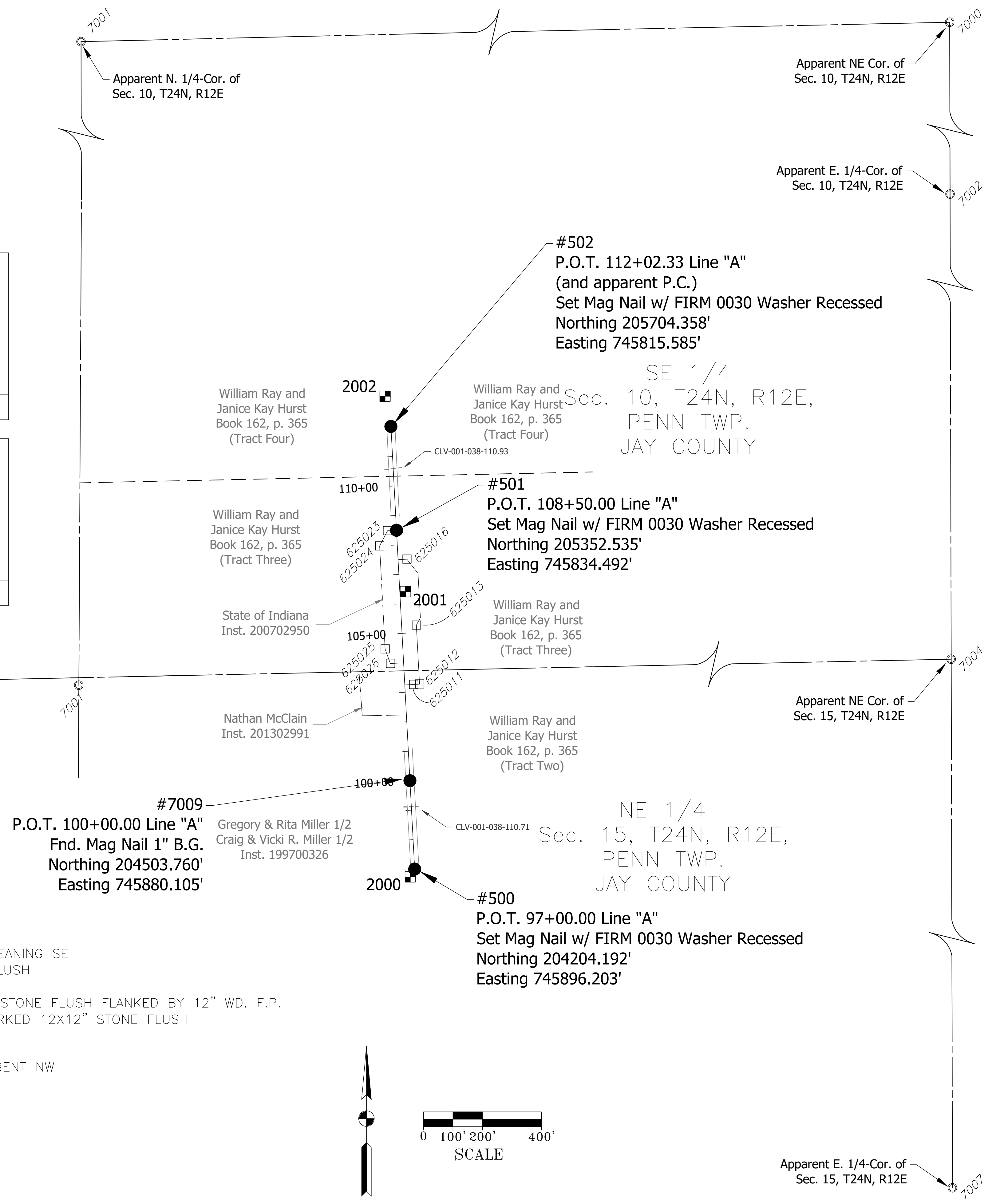


COORDINATE LISTING: RANDOM CONTROL POINTS

PT.#	NORTHING	EASTING	DESCRIPTION
2000	204177.888	745881.251	SET 3/4" RBR W/ REF CAP
2001	205144.659	745864.965	SET 3/4" RBR W/ REF CAP
2002	205806.578	745795.765	SET 3/4" RBR W/ REF CAP

COORDINATE LISTING: SECTION, PROPERTY, AND EXISTING R/W EVIDENCE

PT.#	NORTHING	EASTING	DESCRIPTION
7000	210210.1950	747429.8900	FND. 5/8" REBAR 5" BG LEANING SE
7001	210193.9550	744786.3010	FND. 1.5" I.PIN IN CONC FLUSH
7002	207553.4580	747419.8310	FND. 1/2" ROD 3" BG
7004	204909.4490	747426.1940	FND. PARTIAL X ON 14X9" STONE FLUSH FLANKED BY 12" WD. F.P.
7005	204911.5290	747425.5570	FND. HIGH POINT OF UNMARKED 12X12" STONE FLUSH
7006	204827.4260	744757.7910	FND. T-POST
7007	202274.7600	747413.1930	FND. 1/2" I.PIN IN ASPH
7008	204796.0680	742090.7700	FND. 2" OD I.PIPE 5" BG BENT NW
625011	204829.5290	745892.5710	CONC. R/W MON.
625012	204831.1810	745912.8550	CONC. R/W MON.
625013	205030.7110	745901.8980	CONC. R/W MON.
625016	205254.2120	745869.8020	CONC. R/W MON.
625023	205350.5780	745804.0150	CONC. R/W MON.
625024	205298.9540	745777.4770	CONC. R/W MON.
625025	204950.0340	745795.9730	CONC. R/W MON.
625026	204900.6060	745814.1240	CONC. R/W MON.



SURVEYOR'S REPORT

ROUTE SURVEY for culvert replacement projects, State Road 1, 1.09 mile south and 0.87 mile south of the junction with S.R. 18.
 OWNER: Indiana Department of Transportation
 CLIENT: Parsons Transportation Group, Inc.
 INDOT DES. NO.: 1902734
 CULVERT ASSET ID NO.: CLV-001-038-110.71 and CLV-001-038-110.93
 LOCATED in Sections 10 (CLV-001-038-110.93) and 15 (CLV-001-038-110.71), Township 24 North, Range 12 East, Penn Township, Jay County, Indiana.

The purpose of this survey is to collect data for the design of two culvert replacement projects, and to provide a basis of describing any right-of-way needed for the project. It is not a property retracement survey.

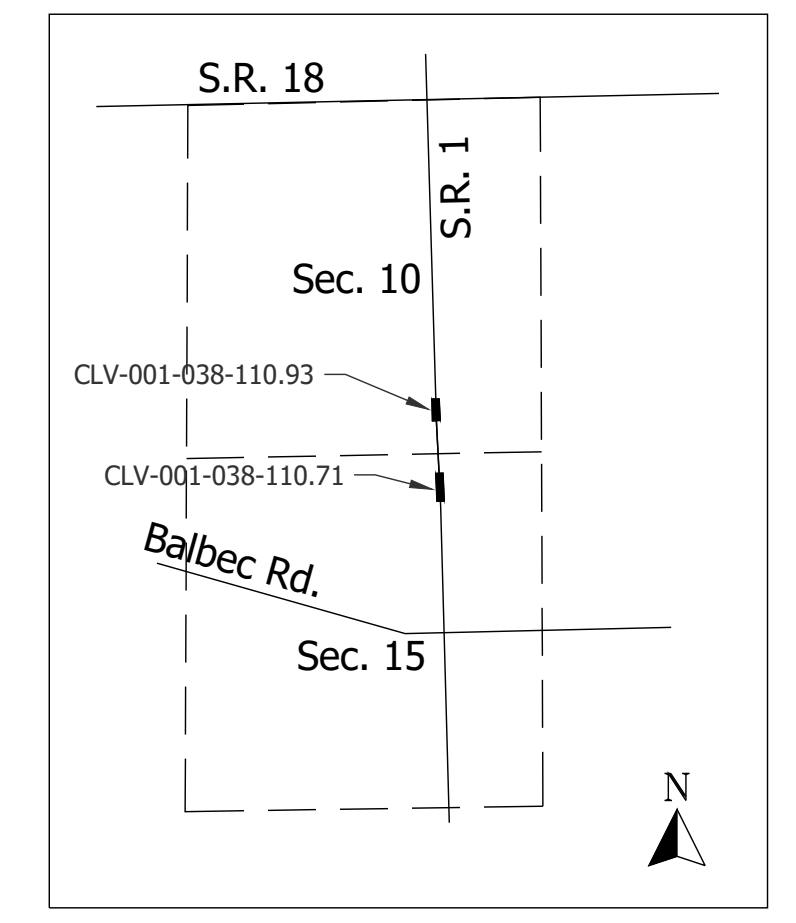
HORIZONTAL DATUM: Unless noted otherwise, all bearings, distances, areas, and coordinates shown hereon are based on the Indiana Geospatial Coordinate System's (InGCS) "Jay" zone per NAD 83 (2011) epoch 2010.00 and are reported in U.S. Survey Feet and decimal parts thereof. The "Jay" zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county bearing this zone's name.

InGCS "Jay" Zone Parameters (also available at <http://www.in.gov/indot/InGCS.htm>)
 Geometric Datum: NAD 83(2011) epoch 2010.00
 Projection Type: Transverse Mercator
 Central Meridian: 85°00'00" west longitude
 Central Meridian scale factor: 1.000038
 Latitude of Grid Origin: 40°18'00" north latitude
 False Northing: 36,000,000 m (118,110.00 U.S.Ft)
 False Easting: 240,000,000 m (787,400.00 U.S.Ft)

ALIGNMENT: Line "A" is a re-run (and southerly extension) of Line "A" of the Location Control Route Survey for Project No. ST3938(013), Des. 0013980, dated October 2002 and recorded as Instrument 0204363. The R/W taking for said project (Inst. 0702950) was located between the two culverts surveyed for the current project. No original monuments shown on the 2002 survey were found, although a Mag Nail, 1" below grade, was found marking the apparent location of a railroad spike called for on the previous survey, and several R/W monuments were found marking the R/W takings. These were used along with section corner ties to re-establish the old Line "A".

SECTION LINES AND CORNERS: Points 7000, 7001, 7002, 7004, 7007, and 7008 represent monuments found in place, reasonably consistent with the 2002 LCRS.

EXISTING RIGHT-OF-WAY: No plans older than the 2002 survey were found for this portion of State Road 1. Unless plans and/or grants are found, the existing right-of-way is presumed to follow the existing edge of the traveled way, except in those areas acquired by Instrument 0702950.



Vicinity Map
Not to Scale

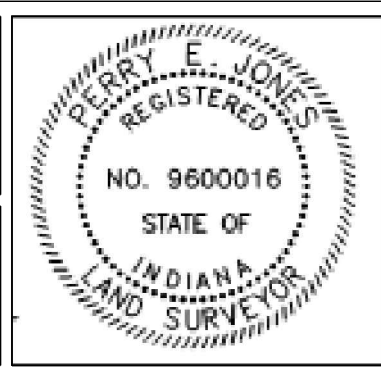
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SOCIAL SECURITY REDACTION STATEMENT
 I affirm, under the penalties for perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law.
 Perry E. Jones
 This document prepared by: Perry E. Jones

LOCHMUELLER GROUP
 Prepared By: LOCHMUELLER GROUP, INC.
 1 1/2 St. Bernard Lochmueller & Associates, Inc.
 6200 Vogel Road, Evansville, IN 47715 812.479.6200
 Toll Free 1.800.423.7411 Fax 812.479.6262

SURVEY STARTED	05/04/2021
SURVEY COMPLETED	05/10/2021
ROUTE PLAT SHEETS	1 of 1
SURVEYOR'S PROJECT NO.	120-2028-02H

FIELD SURVEYOR STATEMENT
 THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS CONDUCTED ACCORDING TO THE PROVISIONS OF IND. I.A.C. 1-12-30 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.
 RECOMMENDED FOR APPROVAL: 07/07/2021
 Perry E. Jones
 REGISTERED LAND SURVEYOR, FIELD DATE



Prepared for the
INDIANA DEPARTMENT OF TRANSPORTATION
 ALIGNMENT REFERENCE TIES
 State Road 1, 1.09 mile and 0.87 mile south of State Road 18

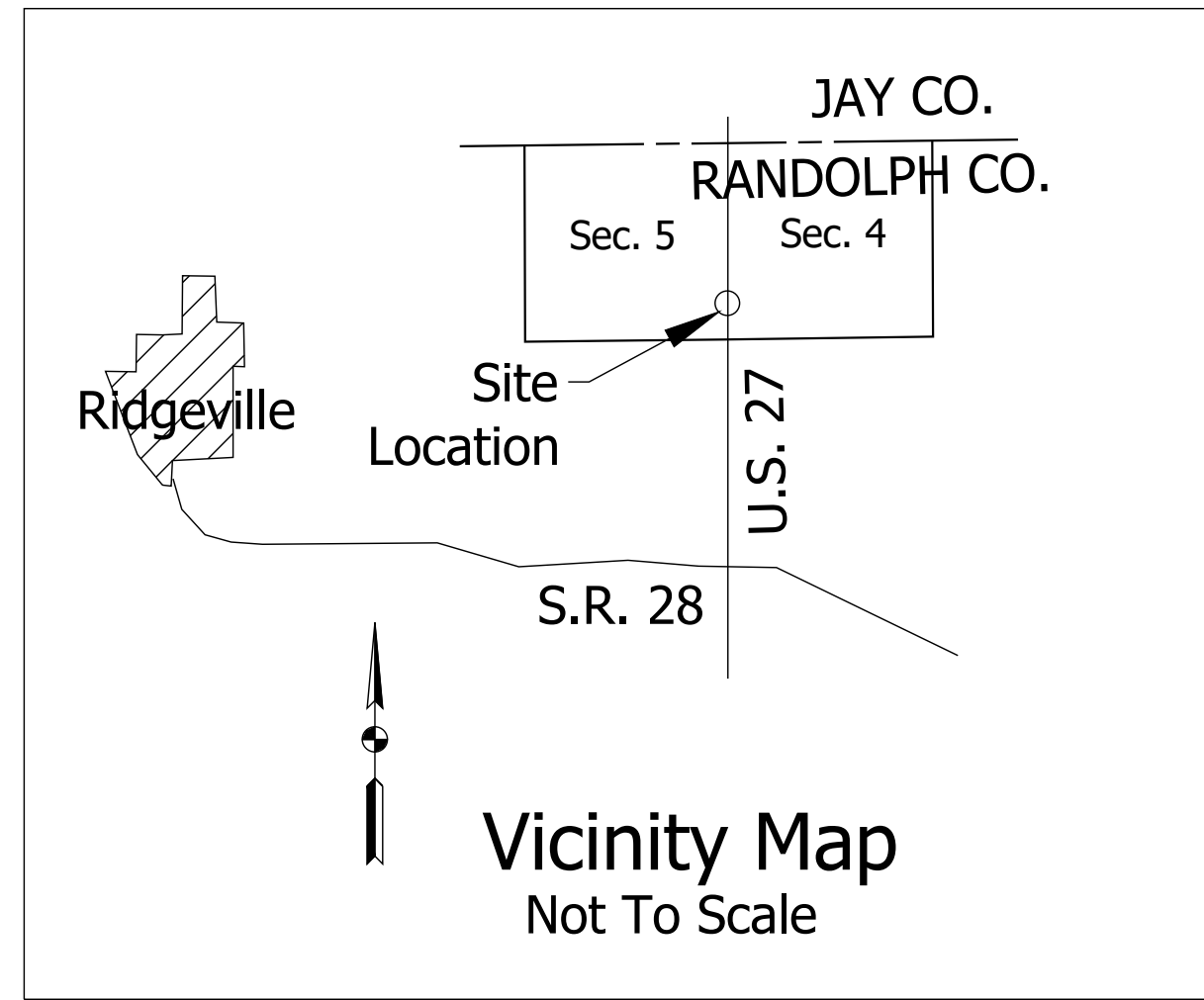
HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	N/A
COUNTY	DESIGNATION
JAY	1902734
SURVEY BOOK	SHEETS
DIGITAL	4 of 102
CONTRACT	PROJECT
R-43491	1902734

COORDINATE LISTING: RANDOM CONTROL POINTS

PT. #	NORTHING	EASTING	DESCRIPTION
2604	335551.811	807871.423	SET 3/4"RB W/ REF CAP (OFFSITE, NOT SHOWN TO SCALE)
2605	335939.316	807881.984	MAG NAIL W/ REF WASHER

COORDINATE LISTING: SECTION CORNER EVIDENCE FOUND

PT. #	NORTHING	EASTING	DESCRIPTION
802230	334831.569	807896.789	FND. MAG NAIL W/ PMA WASHER
802238	339995.967	807906.858	FND. 1" IRON PIN IN CONC 1"BG
802242	337413.911	807905.139	FND. MAG NAIL W/ RMA WASHER

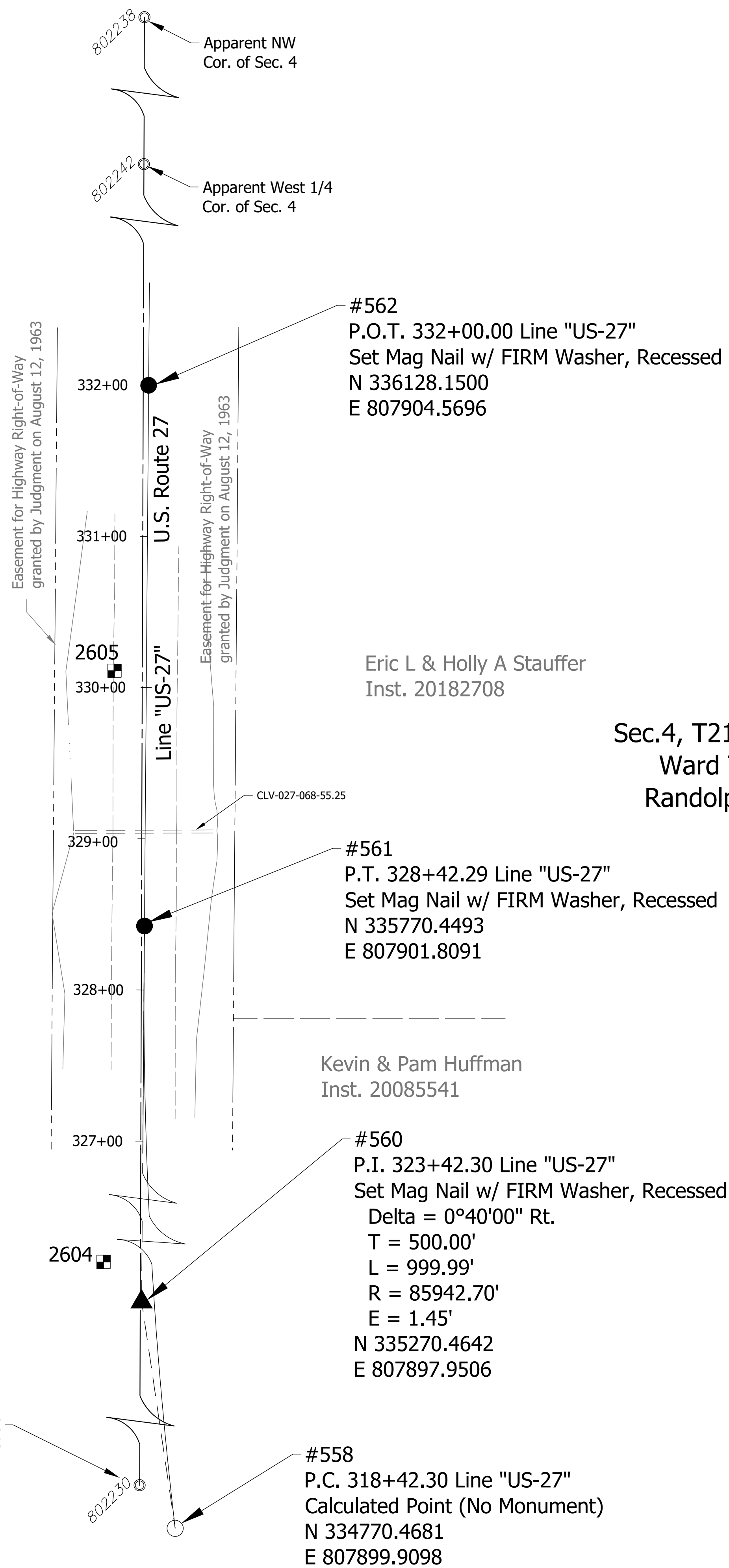


Eric L & Holly A Stauffer
Inst. 20120189

Sec. 5, T21N, R14E
Ward Twp.
Randolph Co.

Eric L & Holly A Stauffer
Inst. 20182708

Sec.4, T21N, R14E
Ward Twp.
Randolph Co.



SURVEYOR'S REPORT

ROUTE SURVEY for culvert replacement, U.S. Route 27, 1.20 miles north of the junction of U.S. Route 27 with S.R. 28.
OWNER: Department of Transportation
CLIENT: Parson Transportation Group Inc.
INDOT DES. NO.: 1902734
CULVERT ASSET ID NO.: CLV-027-068-55.25
LOCATED approximately 0.2 miles north of the intersection of U.S.R. 27 with Randolph County Road 900 North, in Sections 4 and 5, Township 21 North, Range 14 East, Ward Township, Randolph County Indiana.

The purpose of this survey is to collect data for the design of a culvert replacement project, and to provide a basis of describing any right-of-way needed for the project. It is not a property retracement survey.

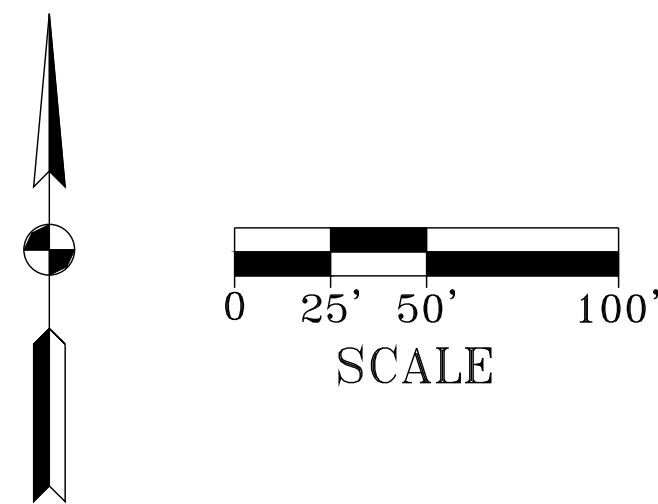
HORIZONTAL DATUM: Unless noted otherwise, all bearings, distances, areas, and coordinates shown hereon are based on the Indiana Geospatial Coordinate System's (InGCS) "Randolph" zone per NAD 83 (2011) epoch 2010.00 and are reported in U.S. Survey Feet and decimal parts thereof. The "Randolph" zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county bearing this zone's name.

InGCS "Randolph" Zone Parameters (also available at <http://www.in.gov/indot/InGCS.htm>)
 Geometric Datum: NAD 83(2011) epoch 2010.00
 Projection Type: Transverse Mercator
 Central Meridian: 85°03'00" west longitude
 Central Meridian scale factor: 1.000044
 Latitude of Grid Origin: 39°42'00" north latitude
 False Northing: 36,000,000 m (118,110.00 U.S.Ft)
 False Easting: 240,000,000 m (787,400.00 U.S.Ft)

ALIGNMENT: Line "US-27" is a re-run of the alignment shown on plans for F-Project No. 448 (12), 1962, Code 0096. Line "US-27" was re-established by holding the existing pavement centerline and concrete R/W monuments found both north and south of the project area.

SECTION LINES AND CORNERS:
 No corner records were available at the Randolph County Surveyor's office within Sections 4 or 5. Points 802230, 802238, and 802242 represent corner evidence found in place, reasonably consistent with evidence of possession but with unknown history.

EXISTING RIGHT-OF-WAY:
 Right-of-way along U.S. Route 27 is shown as indicated on road plans for said F-Project No. 448 (12), 1962. Grants provided by the INDOT Records Division included judgments which conveyed "easements for highway right-of-way" within the areas shown.



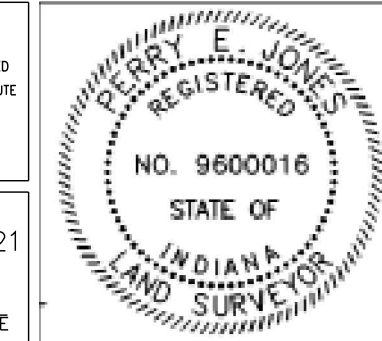
LEGEND	
▲ ●	MONUMENTED BASELINE CONTROL POINTS
○	CALCULATED BASELINE CONTROL (NO MON. SET)
○ 802000	SECTION CORNER EVIDENCE
■ 2600	RANDOM CONTROL POINT

SOCIAL SECURITY REDACTION STATEMENT
 I affirm, under the penalties of perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law.
Perry E. Jones
 This document prepared by: Perry E. Jones

LOCHMUELLER GROUP
 Prepared By: LOCHMUELLER GROUP, INC.
 1 1/2 N. Barnhardt Lochmueller & Associates, Inc.
 6200 Vogel Road, Evansville, IN 47715 812.479.6200
 Toll Free 1.800.423.7411 Fax 812.479.6262

SURVEY STARTED	05/12/2021
SURVEY COMPLETED	07/30/2021
ROUTE PLAT SHEETS	1 of 1
SURVEYOR'S PROJECT NO.	120-2028-02H

FIELD SURVEYOR STATEMENT
 THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF IND. I.C. 1-12-30 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.
 RECOMMENDED FOR APPROVAL: 08/02/2021
Perry E. Jones
 REGISTERED LAND SURVEYOR, FIELD DATE



Prepared for the
INDIANA DEPARTMENT OF TRANSPORTATION
 ALIGNMENT REFERENCE TIES
 U.S. Route 27, 3.28 miles south of State Road 26

HORIZONTAL SCALE	1" = 50'
COUNTY	RANDOLPH
BRIDGE FILE	N/A
DESIGNATION	1902734
SURVEY BOOK	DIGITAL
SHEETS	6 of 102
CONTRACT	R-43491
PROJECT	1902734

COORDINATE LISTING: RANDOM CONTROL POINTS

PT. #	NORTHING	EASTING	DESCRIPTION
2602	126739.905	793762.868	SET 3/4" REBAR W/ REF. CAP,
2603	126291.065	793833.030	SET MAG NAIL W/ REF. WASHER,

COORDINATE LISTING: PROPERTY, SECTION CORNER, AND EXISTING R/W EVIDENCE FOUND

PT. #	NORTHING	EASTING	DESCRIPTION
710444	126585.354	793858.029	CONC. R/W MON.
710628	126689.035	793979.801	CONC. R/W MON.
801214	126835.474	793856.918	CONC. R/W MON.
801324	126730.606	793978.436	CONC. R/W MON.
801390	126707.541	793830.334	FND. RR SPIKE 3" BG
801391	126768.205	799122.803	HOT FERROUS SIGNAL 10" BG (NOT FND.)
801392	126642.736	788502.540	FND. 1" IRON PIPE 6" BG
801393	121406.739	793879.377	FND. GIN SPIKE FLUSH
801400	129356.388	793794.266	FND. 5/8" RBR W/ WARD CAP

SURVEYOR'S REPORT

ROUTE SURVEY for culvert replacement, U.S. Route 27, 3.11 miles north of the junction of U.S.R. 27 and State Road 28.
OWNER: Indiana Department of Transportation
CLIENT: Parson Transportation Group Inc.
INDOT DES. NO.: 1902734
CULVERT ASSET ID NO.: CLV-027-038-57.06
LOCATED at the intersection of U.S.R. 27 and Jay County Road 800 South, in Sections 28, 29, 32, and 33, Township 22 North, Range 14 East, Pike Township, Jay County Indiana.

The purpose of this survey is to collect data for the design of a culvert replacement project, and to provide a basis of describing any right-of-way needed for the project. It is not a property retracement survey.

HORIZONTAL DATUM: Unless noted otherwise, all bearings, distances, areas, and coordinates shown hereon are based on the Indiana Geospatial Coordinate System's (InGCS) "Jay" zone per NAD 83 (2011) epoch 2010.00 and are reported in U.S. Survey Feet and decimal parts thereof. The "Jay" zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county bearing this zone's name.

InGCS "Jay" Zone Parameters (also available at <http://www.in.gov/indot/InGCS.htm>)
 Geometric Datum: NAD 83(2011) epoch 2010.00
 Projection Type: Transverse Mercator
 Central Meridian: 85°00'00" west longitude
 Central Meridian scale factor: 1.000038
 Latitude of Grid Origin: 40°18'00" north latitude
 False Northing: 36,000,000 m (118,110.00 U.S.Ft)
 False Easting: 240,000,000 m (787,400.00 U.S.Ft)

ALIGNMENT: Line "PR-1" is a re-run of Line "PR-1" of ST-F-Project No. 448 (19), 1964. Per plan, Line "PR-1" was to be constructed 30 feet left and parallel with Line "B" which is not shown but approximates the section line within this project area. Line "PR-1" was re-established by holding the existing pavement centerline and concrete R/W monuments found in the project area.

SECTION LINES AND CORNERS:
 No corner records were available at the Jay County Surveyor's office within the project area. Points 801390, 801391, 801392, 801393, and 801400 represent physical evidence of the corners found, of generally unknown history. The points found along U.S.R. 27 may be re-establishments of positions monumented during the construction of the 1964 road project.

EXISTING RIGHT-OF-WAY:
 Right-of-way along U.S. Route 27 is shown as indicated on road plans for said ST-F-Project No. 448 (19), 1964. Grants and judgments were found for the R/W shown around the intersection of U.S.R. 27 with County Road 800 South which were apparently recorded in a timely manner. The 1964 plans indicated most of the eastern R/W of U.S.R. 27 to have already been existing, but no grants or plans were found which created the eastern R/W line. However; the 1964 grants at the intersection added to and referenced the previously existing R/W. Therefore the previously-existing R/W is expected to have good title within the project limits.

SE 1/4 Sec. 29,
T22N, R14E
Pike Twp.
Jay County

Shirley A. Stauffer, Trustee
Inst. 200603104
(Tract 2)

SW 1/4 Sec. 28,
T22N, R14E
Pike Twp.
Jay County

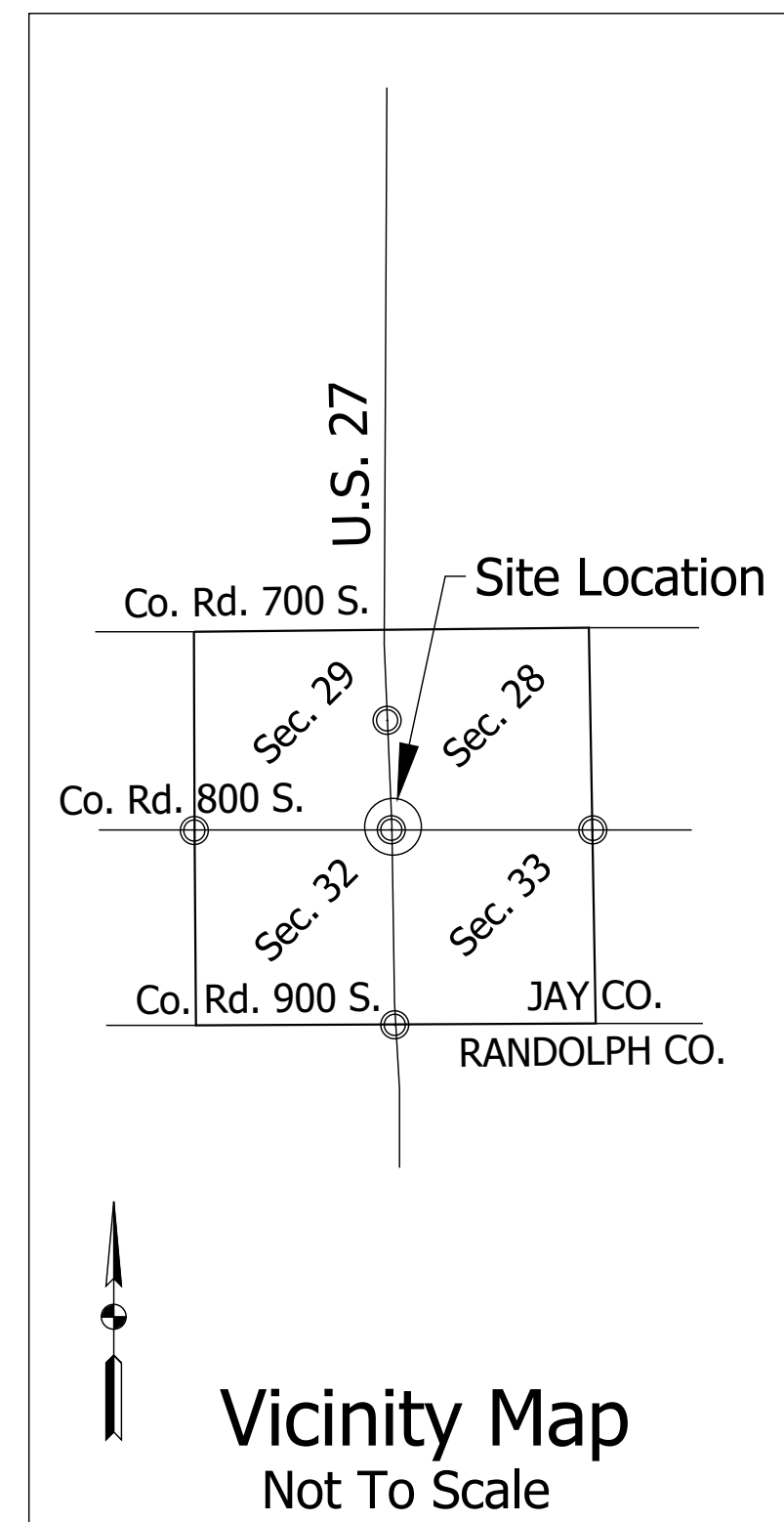
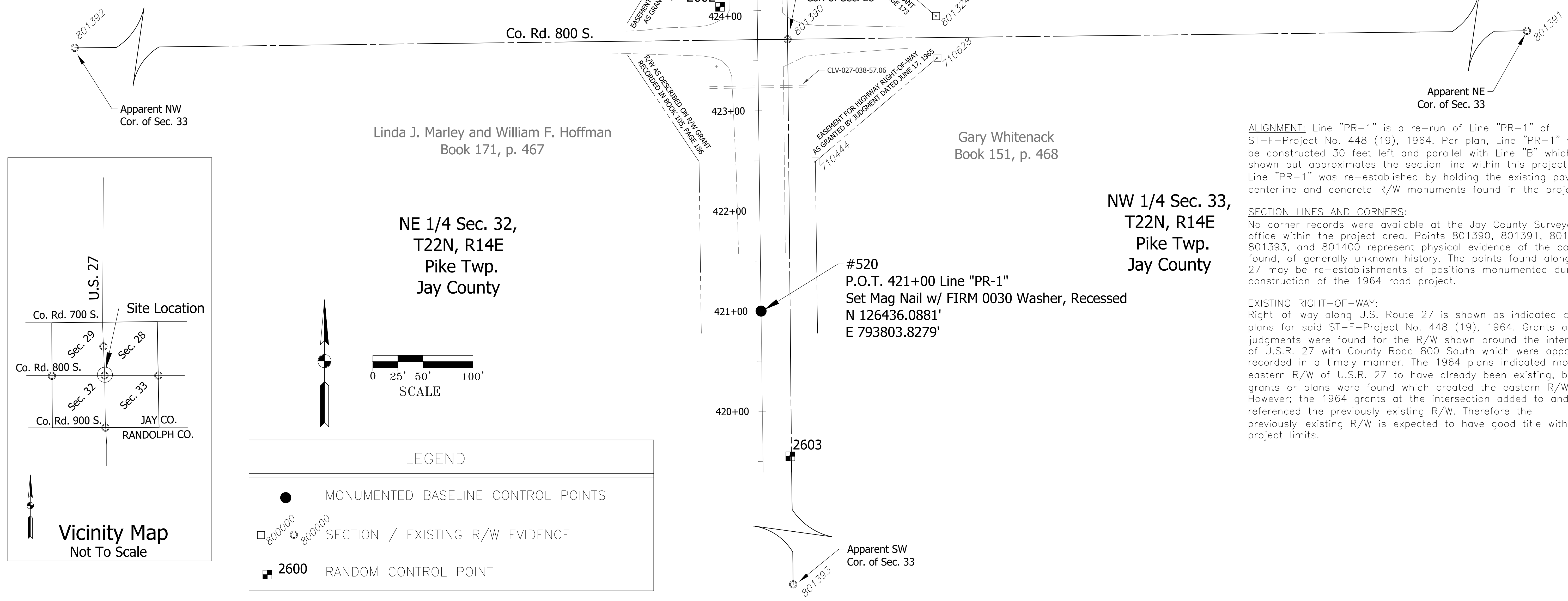
Gary Whitenack
Inst. 202001137

Gary Whitenack
Book 151, p. 468

Linda J. Marley and William F. Hoffman
Book 171, p. 467

NE 1/4 Sec. 32,
T22N, R14E
Pike Twp.
Jay County

NW 1/4 Sec. 33,
T22N, R14E
Pike Twp.
Jay County



LEGEND

- MONUMENTED BASELINE CONTROL POINTS
- SECTION / EXISTING R/W EVIDENCE
- 2600 RANDOM CONTROL POINT

SCALE: 0 25' 50' 100'

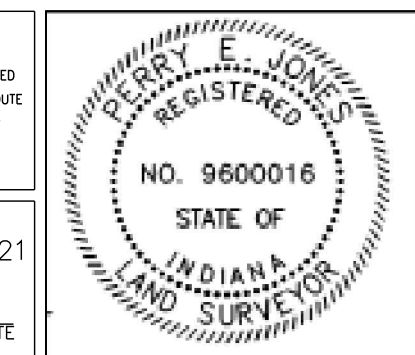
Date: Jul 20, 2022, 12:05pm User Name: eBritten File: X:\Production\PIES\2020\120-0228\PIE-02\Departments\H\ICD\Misc\DWG\Reference Ties.dwg

SOCIAL SECURITY REDACTION STATEMENT
 I affirm, under the penalties of perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law.
 Perry E. Jones

LOCHMUELLER GROUP
 Prepared By: LOCHMUELLER GROUP, INC.
 1 1/2 St. Bernard Lochmueller & Associates, Inc.
 6200 Vogel Road, Evansville, IN 47715 812.479.6200
 Toll Free 1.800.423.7411 Fax 812.479.6262

SURVEY STARTED	05/04/2021
SURVEY COMPLETED	07/30/2021
ROUTE PLAT SHEETS	1 of 1
SURVEYOR'S PROJECT NO.	120-2028-02H

FIELD SURVEYOR STATEMENT
 THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF IND. I.C. 1-12-30 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.
 RECOMMENDED FOR APPROVAL: 08/02/2021
 Perry E. Jones
 REGISTERED LAND SURVEYOR, FIELD DATE



Prepared for the
INDIANA DEPARTMENT OF TRANSPORTATION
 ALIGNMENT REFERENCE TIES
 U.S. Route 27, 3.11 miles north of State Road 28

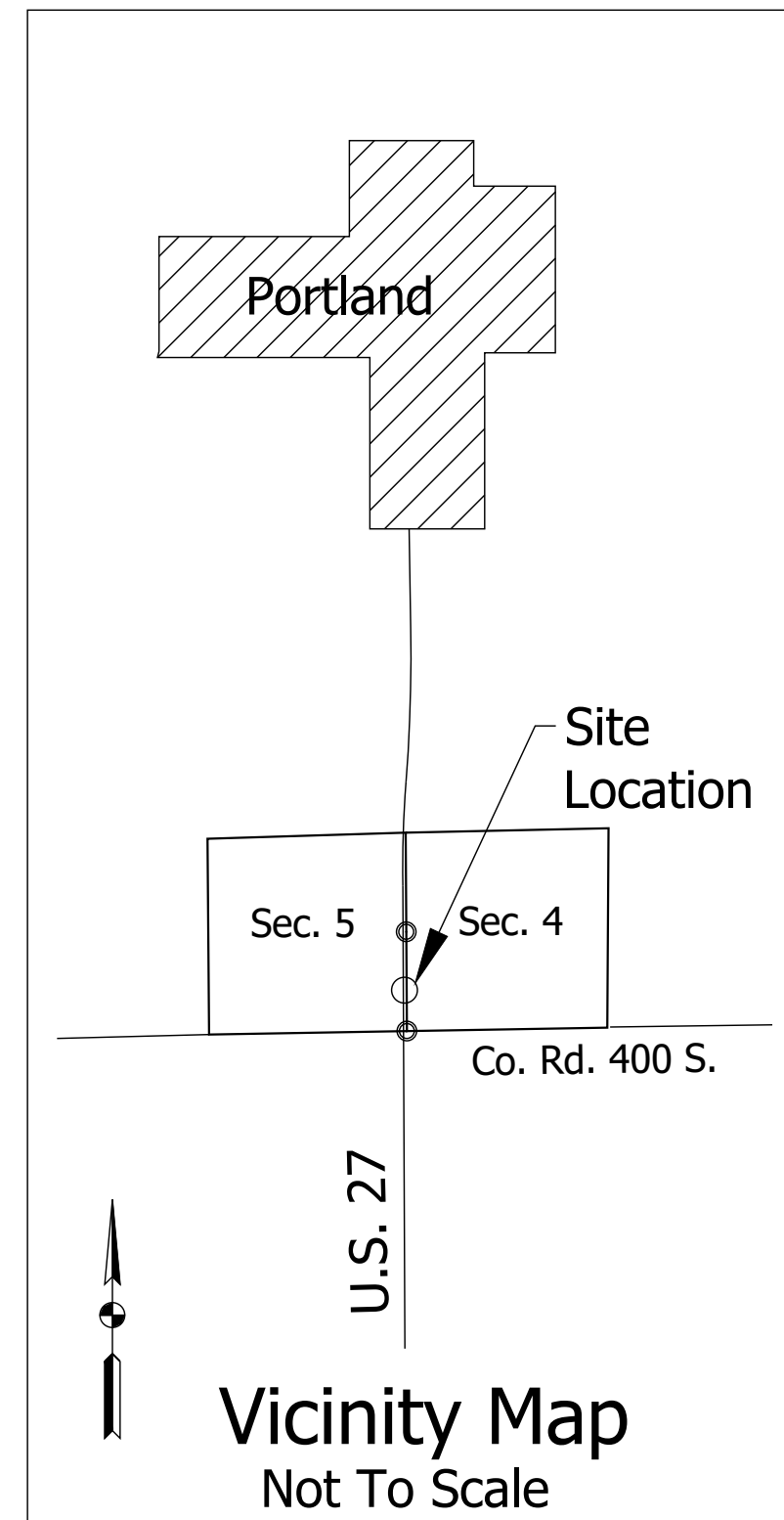
HORIZONTAL SCALE	1" = 50'
COUNTY	JAY
BRIDGE FILE	N/A
DESIGNATION	1902734
SURVEY BOOK	DIGITAL
SHEETS	7 of 102
CONTRACT	R-43491
PROJECT	1902734

COORDINATE LISTING: RANDOM CONTROL POINTS

PT.#	NORTHING	EASTING	DESCRIPTION
2600	148656.574	793539.590	SET 3/4" REBAR W/ REF. CAP,
2601	149470.987	793582.613	SET MAG NAIL W/ REF. WASHER,

COORDINATE LISTING: SECTION CORNER EVIDENCE FOUND

PT.#	NORTHING	EASTING	DESCRIPTION
710348	147865.749	793607.963	FND. MAG NAIL
710349	150513.032	793591.807	FND. REBAR W/ FARBER CAP LS 20200004



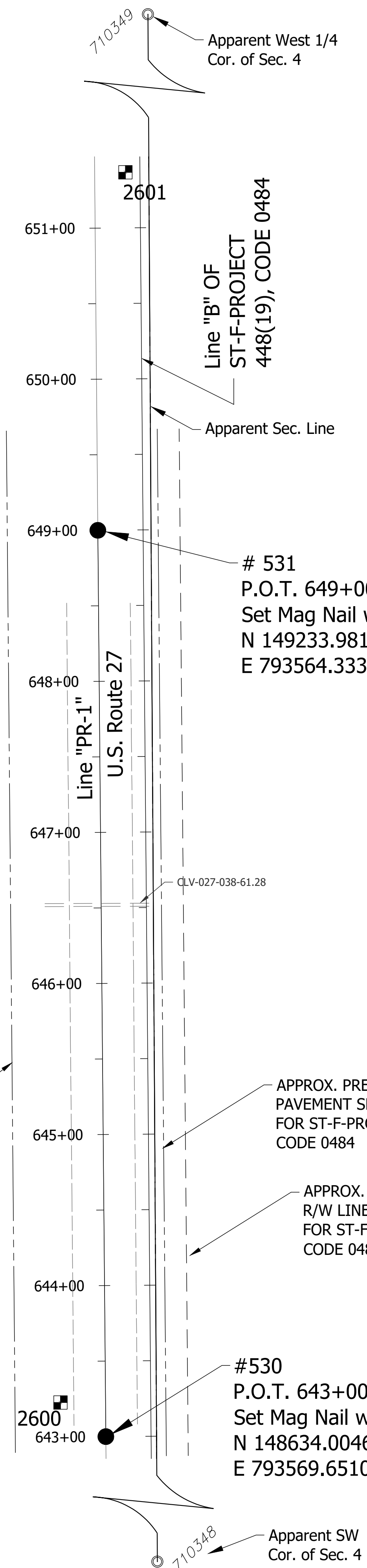
SE 1/4
Sec. 5, T22N, R14E
Pike Twp.
Jay County

Jarvis D. Wood, L.E.
Dee Ann Wood and Jay D. Wood
Transfer on Death Inst. 201402304
and Afdt. Inst. 202001761

SW 1/4
Sec. 4, T22N, R14E
Pike Twp.
Jay County

Alexander L. Stammen
Inst. 201500593
(Tract 2)

R/W AS DESCRIBED
ON R/W GRANT RECORDED
IN BOOK 105, P. 297



SURVEYOR'S REPORT

ROUTE SURVEY for culvert replacement, U.S. Route 27, 3.28 miles south of the junction of U.S. Route 27 with S.R. 26.
OWNER: Indiana Department of Transportation
CLIENT: Parson Transportation Group Inc.
INDOT DES. NO.: 1902734
CULVERT ASSET ID NO.: CLV-027-038-61.28
LOCATED approximately 3.28 miles south of the intersection of U.S.R. 27 with State Road 26, in Sections 4 and 5, Township 22 North, Range 14 East, Pike Township, Jay County Indiana.

The purpose of this survey is to collect data for the design of a culvert replacement project, and to provide a basis of describing any right-of-way needed for the project. It is not a property retracement survey.

HORIZONTAL DATUM: Unless noted otherwise, all bearings, distances, areas, and coordinates shown hereon are based on the Indiana Geospatial Coordinate System's (InGCS) "Jay" zone per NAD 83 (2011) epoch 2010.00 and are reported in U.S. Survey Feet and decimal parts thereof. The "Jay" zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county bearing this zone's name.

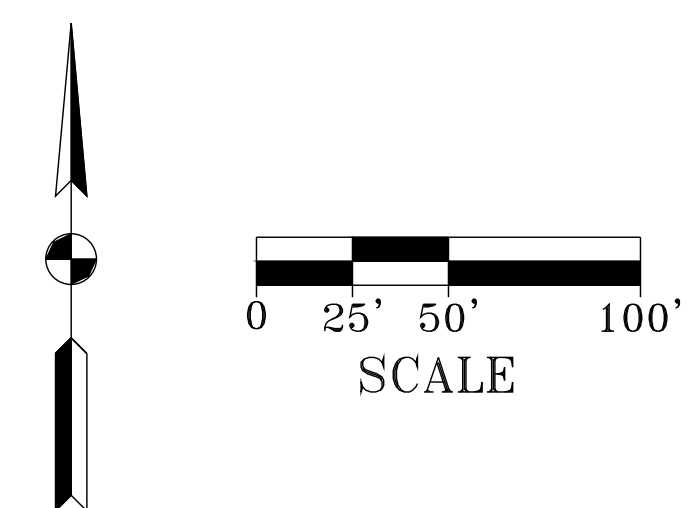
InGCS "Jay" Zone Parameters (also available at <http://www.in.gov/indot/InGCS.htm>)
Geometric Datum: NAD 83(2011) epoch 2010.00
Projection Type: Transverse Mercator
Central Meridian: 85°00'00" west longitude
Central Meridian scale factor: 1.000038
Latitude of Grid Origin: 40°18'00" north latitude
False Northing: 36,000,000 m (118,110.00 U.S.Ft)
False Easting: 240,000,000 m (787,400.00 U.S.Ft)

ALIGNMENT: Line "PR-1" is a re-run of Line "PR-1" of ST-F-Project No. 448 (19), 1964. Per plan, Line "PR-1" was to be constructed 30 feet left and parallel with Line "B" which is also shown but not monumented. Line "PR-1" was re-established by holding the existing pavement centerline and concrete R/W monuments found south of the project area.

SECTION LINES AND CORNERS: No corner records were available at the Jay County Surveyor's office within Sections 4 or 5. Points 710348 and 710349 represent corner evidence found in place, reasonably consistent with evidence of possession but with unknown history.

EXISTING RIGHT-OF-WAY: Right-of-way along U.S. Route 27 is shown as indicated on road plans for said ST-F-Project No. 448 (19), 1964. Grants were found for the R/W shown along the western side of U.S.R. 27 which were apparently recorded in a timely manner. The 1964 plans indicated the eastern R/W of U.S.R. 27 to have already been existing, but no grants or plans were found which created the eastern R/W line. Unless plans or grants are found, the existing eastern R/W is presumed to follow the eastern edge of pavement as it existed in 1964, the approximate location of which is plotted hereon.

LEGEND	
●	MONUMENTED BASELINE CONTROL POINTS
○	PROPERTY / SECTION CORNER EVIDENCE
■	RANDOM CONTROL POINT



SOCIAL SECURITY REDACTION STATEMENT
I affirm, under the penalties for perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law.
Perry E. Jones
This document prepared by: Perry E. Jones

LOCHMUELLER GROUP
Prepared By: LOCHMUELLER GROUP, INC.
1 1/2 St. Bernard Lochmueller & Associates, Inc.
6200 Vogel Road, Evansville, IN 47715 812.479.6200
Toll Free 1.800.423.7411 Fax 812.479.6262

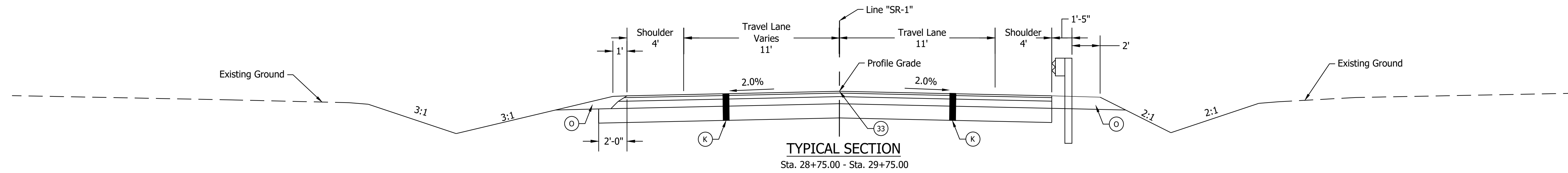
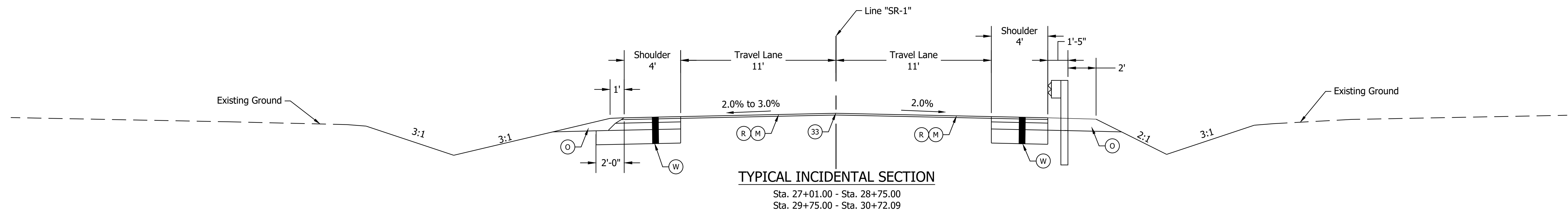
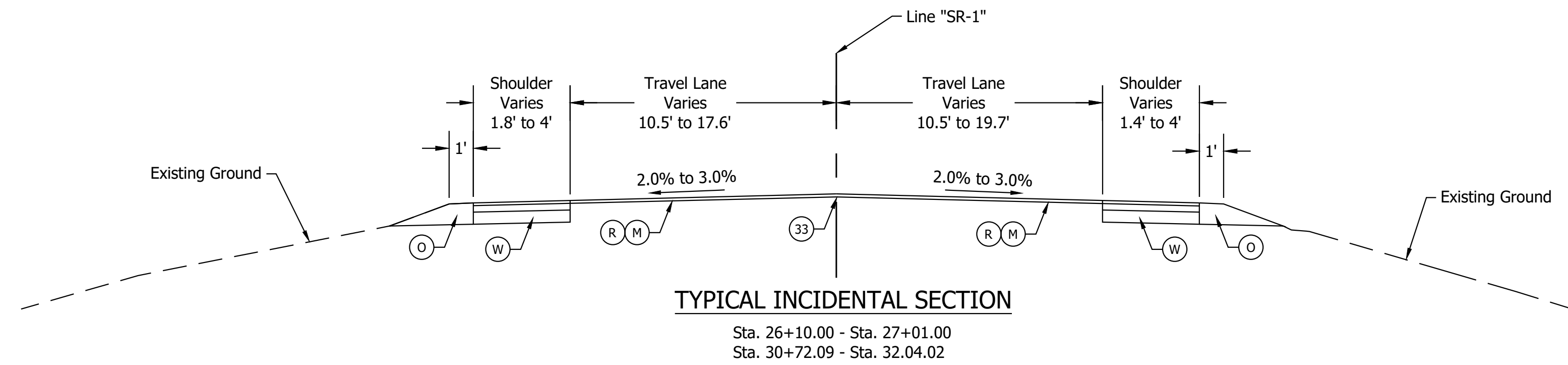
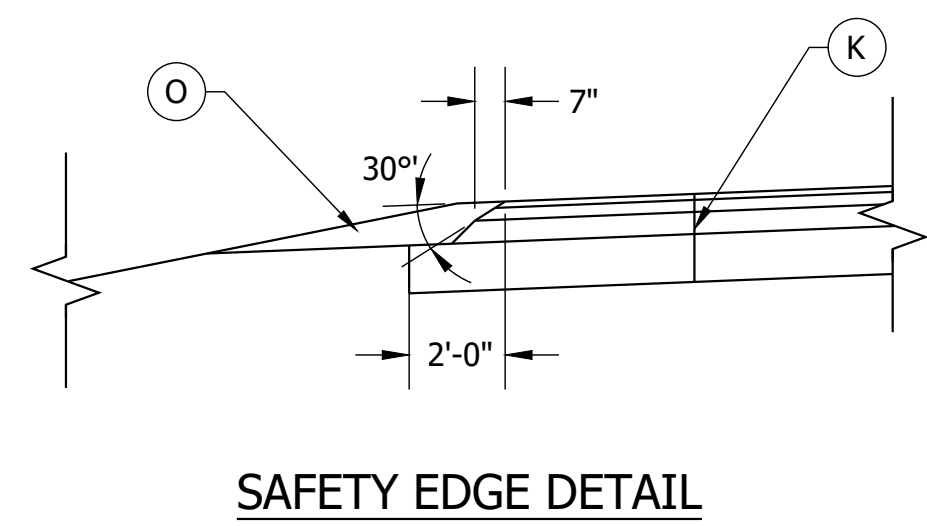
SURVEY STARTED	05/04/2021
SURVEY COMPLETED	07/30/2021
ROUTE PLAT SHEETS	1 of 1
SURVEYOR'S PROJECT NO.	120-2028-02H

FIELD SURVEYOR STATEMENT
THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS CONDUCTED ACCORDING TO THE PROVISIONS OF IND. I.C. 1-12-30 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF ANY NEW PARCELS TO BE ACQUIRED OR THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.
RECOMMENDED FOR APPROVAL: 08/02/2021
Perry E. Jones
REGISTERED LAND SURVEYOR, FIELD DATE



Prepared for the
INDIANA
DEPARTMENT OF TRANSPORTATION
ALIGNMENT REFERENCE TIES
U.S. Route 27, 3.28 miles south of State Road 26

HORIZONTAL SCALE	1" = 50'
COUNTY	JAY
BRIDGE FILE	N/A
DESIGNATION	1902734
SURVEY BOOK	8
DIGITAL	102
CONTRACT	R-43491
PROJECT	1902734



Date: Jul 20, 2022, 12:06pm User Name: BBritten File: X:\Production\Files\2020\1200-2028\PRJ-02\Departments\HY\CAD\Misc\DWG\Typical Sections.dwg

- (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, on Subgrade Treatment, Type IVA
- (O) Variable Depth Compacted Aggregate No. 53
- (W) Widening With HMA, Type B
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, on Subgrade Treatment, Type IVA
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm
- (33) HMA Centerline Rumble Stripes
- (34) HMA Edgeline Rumble Stripes

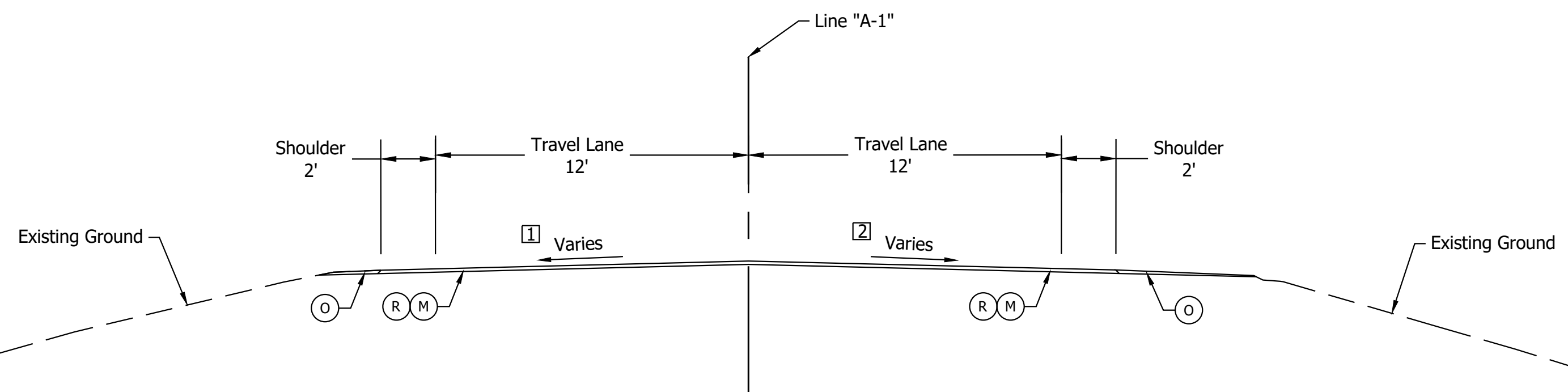
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ KRT _____
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	9 of 102
CONTRACT	PROJECT
R-43491	1902734

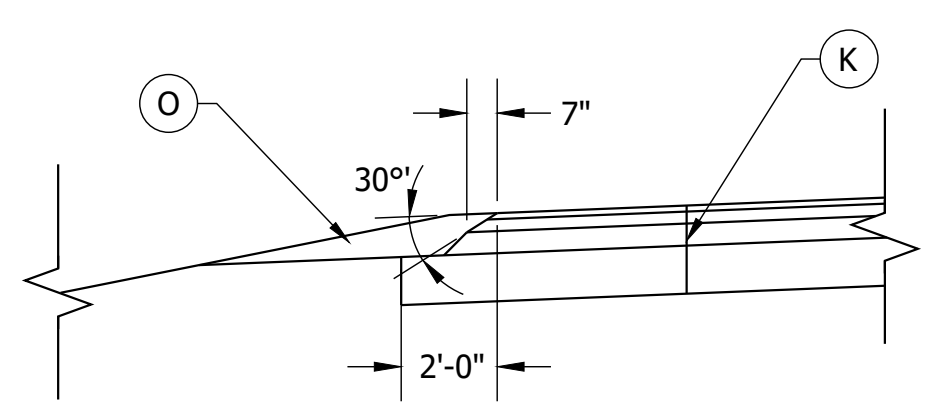
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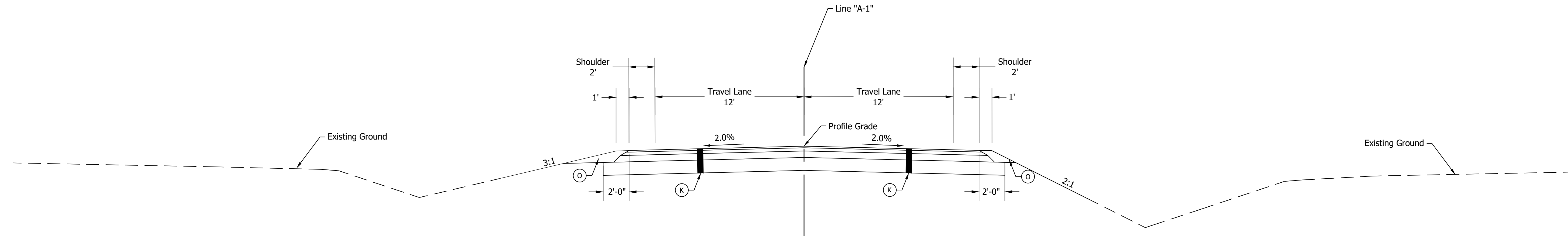
TYPICAL INCIDENTAL SECTION

Sta. 98+25.00 - Sta. 98+75.00
Sta. 99+50.00 - Sta. 100+00.00

- 1 Varies from 1.83% to 2.00%
From Sta. 98+25.00 to 98+75.00
Varies from 2.00% to 1.90%
From Sta. 99+50.00 to 100+00.00
- 2 Varies from 2.51% to 2.00%
From Sta. 98+25.00 to 98+75.00
Varies from 2.00% to 2.63%
From Sta. 99+50.00 to 100+00.00



SAFETY EDGE DETAIL



TYPICAL SECTION

Sta. 98+75.00 - Sta. 99+50.00

- (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, on Subgrade Treatment, Type 1C, on Geotextile for Pavement, Type 2B
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm
- (O) Variable Depth Compacted Aggregate No. 53

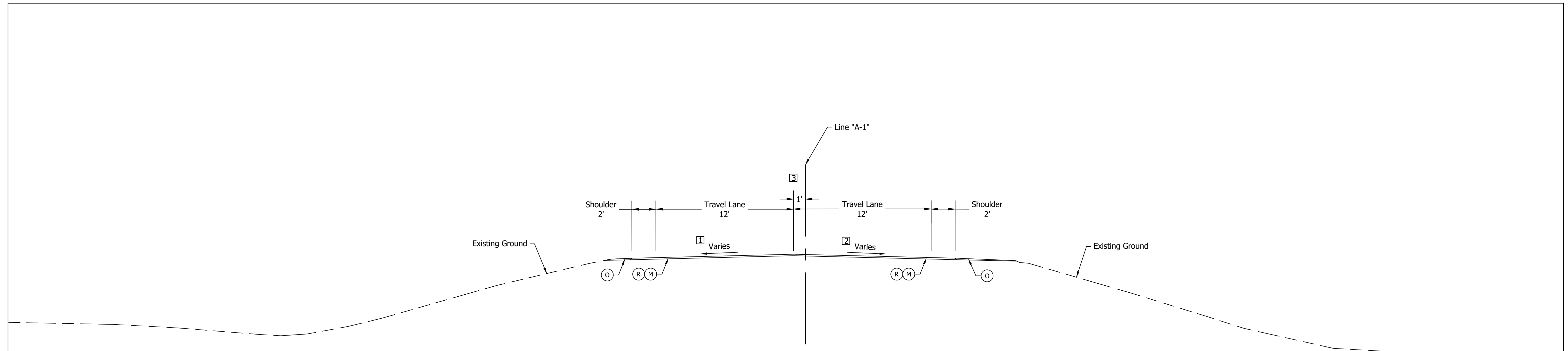
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KRT	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

STR. NO. 2 (CLV-001-038-110.71) - S.R. 1

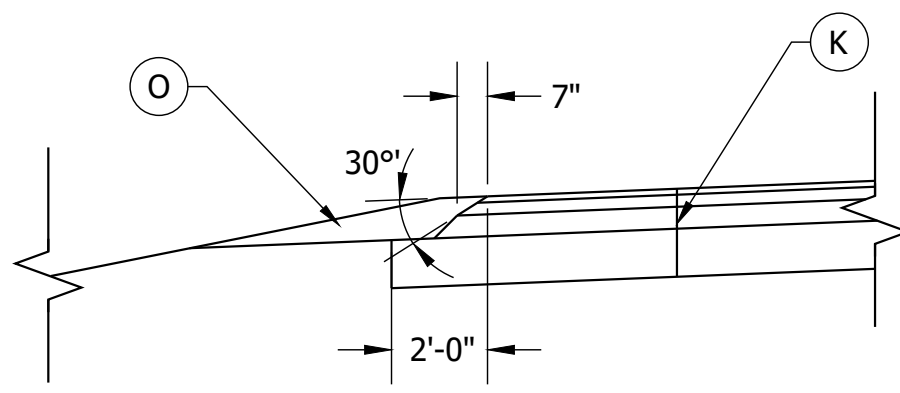
HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	10 of 102
CONTRACT	PROJECT
R-43491	1902734



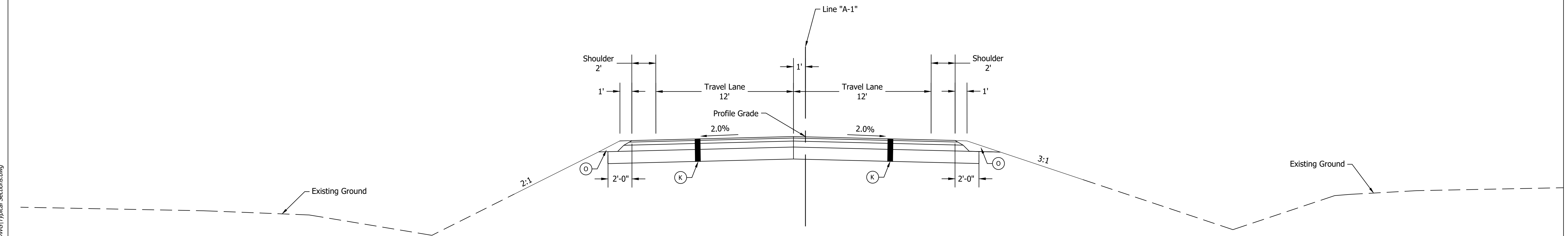
TYPICAL INCIDENTAL SECTION

Sta. 109+75.00 - Sta. 110+25.00
Sta. 110+90.00 - Sta. 111+40.00

- 1 Varies from 2.37% to 2.00%
From Sta. 109+75.00 to 110+25.00
Varies from 2.00% to 2.27%
From Sta. 110+90.00 to 111+40.00
- 2 Varies from 2.12% to 2.00%
From Sta. 109+75.00 to 110+25.00
Varies from 2.00% to 2.40%
From Sta. 110+90.00 to 111+40.00
- 3 Varies from 0.00' to 1.00'
From Sta. 109+75.00 to 110+25.00
Varies from 1.00' to 0.00'
From Sta. 110+90.00 to 111+40.00



SAFETY EDGE DETAIL



TYPICAL SECTION

Sta. 110+25.00 - Sta. 110+90.00

Date: Jul 20, 2022, 12:06pm User Name: BBritten File: X:\Production\Files\2020\1200-2028\PROJ-02\Departments\HY\ICAD\Misc\DWG\Typical Sections.dwg

- (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, on Subgrade Treatment, Type IC, on Geotextile for Pavement, Type 2B
- (O) Variable Depth Compacted Aggregate No. 53
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm

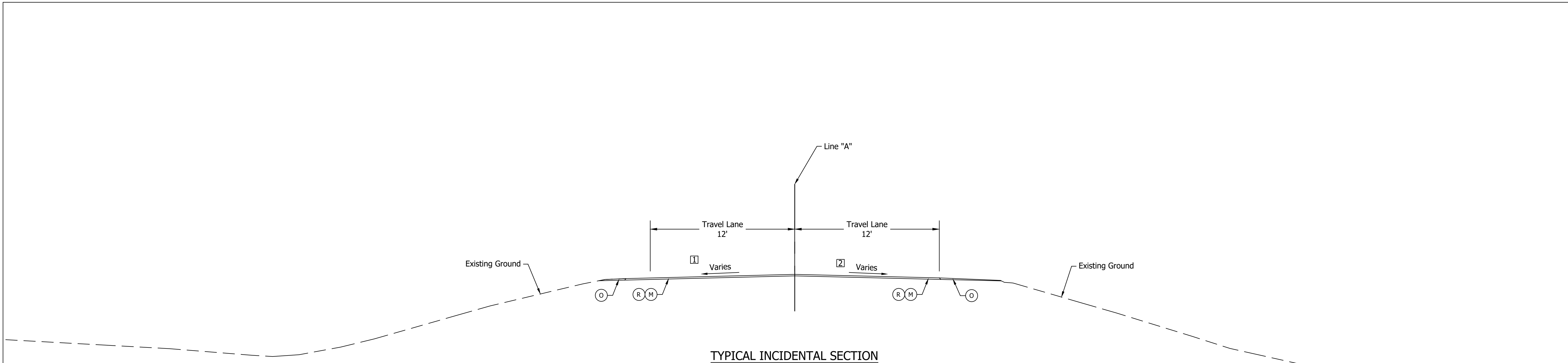
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KRT	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

STR. NO. 3 (CLV-001-038-110.93) - S.R. 1

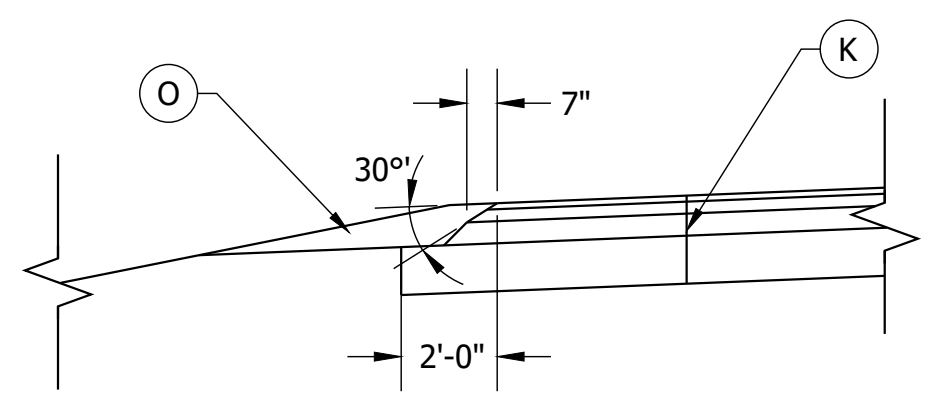
HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	11 of 102
CONTRACT	PROJECT
R-43491	1902734



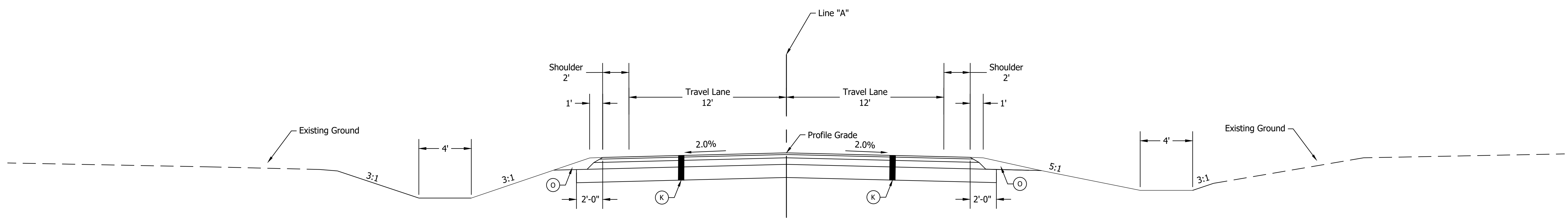
TYPICAL INCIDENTAL SECTION

Sta. 607+50.00 - Sta. 608+00.00
 Sta. 610+00.00 - Sta. 610+50.00

- 1 Varies from 2.24% to 2.00%
 From Sta. 607+50.00 to 608+00.00
 Varies from 2.00% to 2.54%
 From Sta. 610+00.00 to 610+50.00
- 2 Varies from 1.64% to 2.00%
 From Sta. 607+50.00 to 608+00.00
 Varies from 2.00% to 1.93%
 From Sta. 610+00.00 to 610+50.00



SAFETY EDGE DETAIL



TYPICAL SECTION

Sta. 608+00.00 - Sta. 610+00.00

Date: Jul 20, 2022, 12:06pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PRJ-02\Departments\HY\CAD\Misc\DWG\Typical Sections.dwg

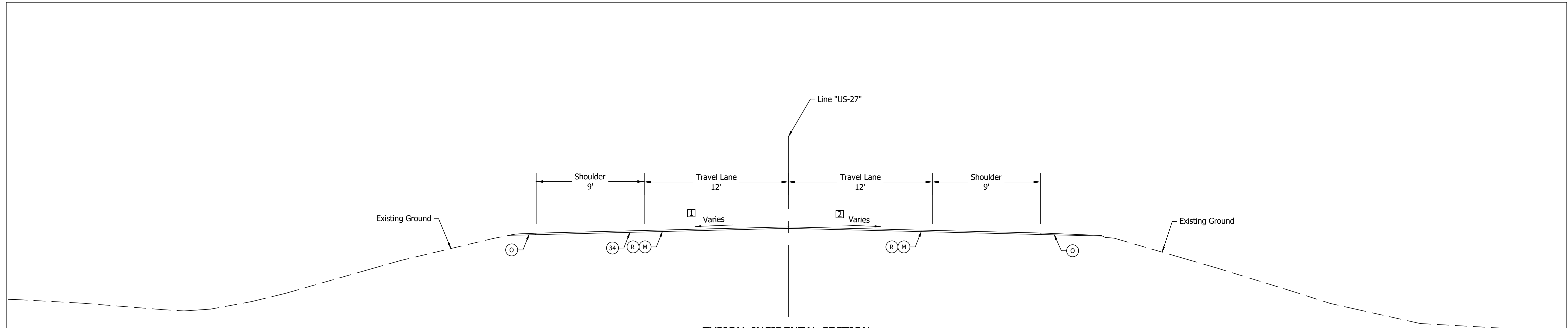
- K 165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm, on 275 lb/syd QC/QA-HMA, 3, 64, Intermediate, 19.0 mm, on 660 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm, on Subgrade Treatment, Type 1C, on Geotextile for Pavement, Type 2B
- M Milling, Transition (1.5 IN. Max)
- R 165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm
- O Variable Depth Compacted Aggregate No. 53

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KRT	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
 STR. NO. 4 (CLV-026-005-125.01) - S.R 26

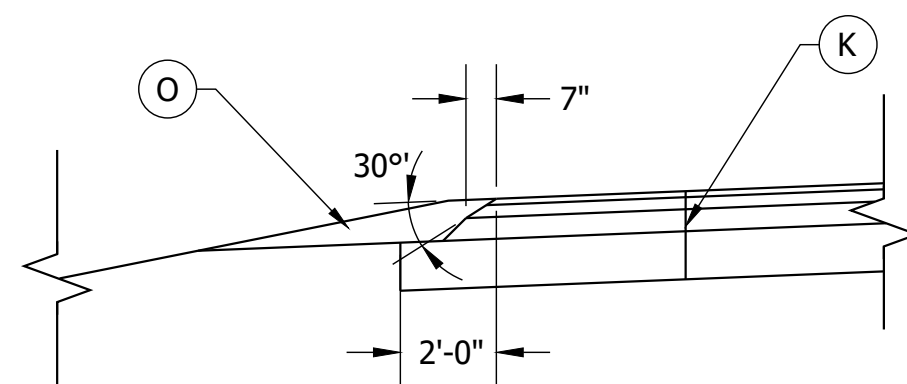
HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	12 of 102
CONTRACT	PROJECT
R-43491	1902734



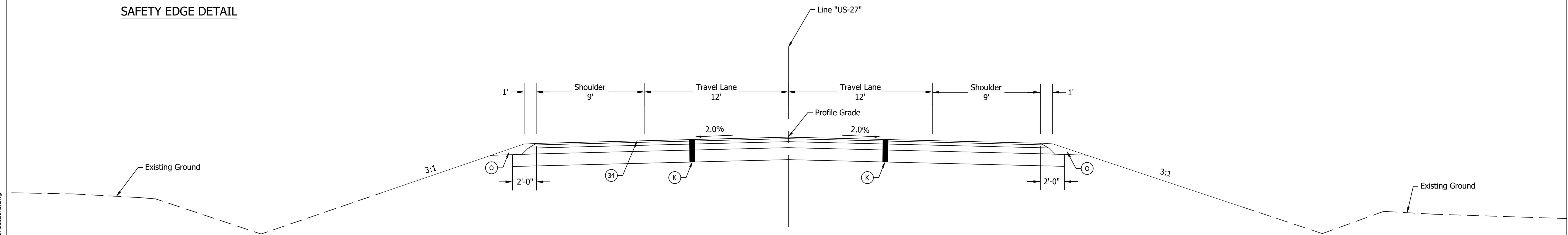
TYPICAL INCIDENTAL SECTION

Sta. 328+25.00 - Sta. 328+75.00
Sta. 329+40.00 - Sta. 329+90.00

- 1 Varies from 3.28% to 2.00%
From Sta. 328+25.00 to 328+75.00
Varies from 2.00% to 3.56%
From Sta. 329+40.00 to 329+90.00
- 2 Varies from 2.75% to 2.00%
From Sta. 328+25.00 to 328+75.00
Varies from 2.00% to 2.96%
From Sta. 329+40.00 to 329+90.00



SAFETY EDGE DETAIL



TYPICAL SECTION

Sta. 328+75.00 - Sta. 329+40.00

Date: Jul 20, 2022, 12:06pm User Name: BBritten File: X:\Production\Files\2020\1200-2028\PRJ-02\Departments\HY\CAD\Misc\DWG\Typical Sections.dwg

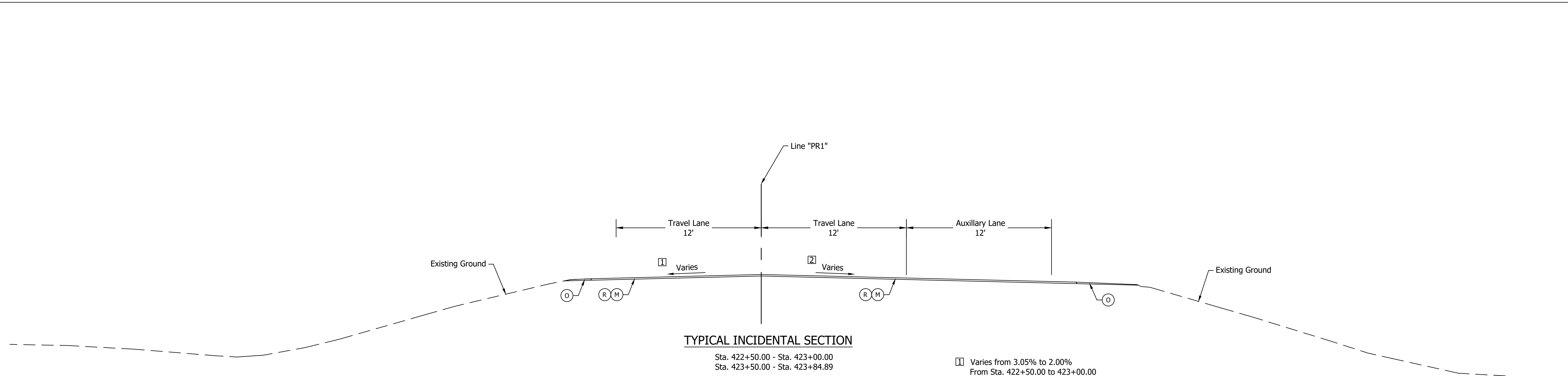
- (K) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 880 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm, on Subgrade Treatment, Type IC, on Geotextile for Pavement, Type 2B
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm
- (O) Variable Depth Compacted Aggregate No. 53
- (33) HMA Centerline Rumble Stripes
- (34) HMA Edgeline Rumble Stripes

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KRT	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
STR. NO. 5 (CLV-027-068-55.25) - U.S. 27

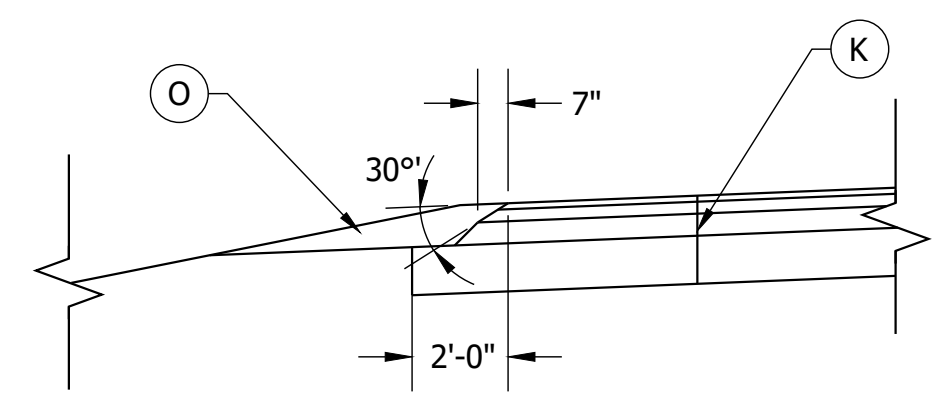
HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	13 of 102
CONTRACT	PROJECT
R-43491	1902734



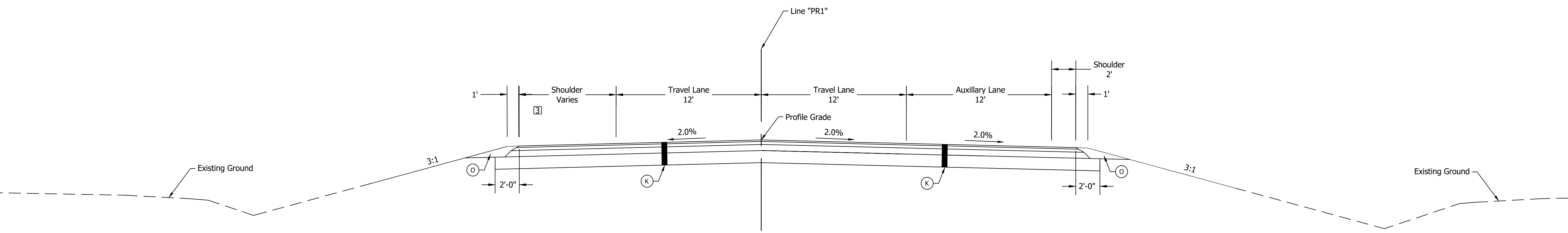
TYPICAL INCIDENTAL SECTION

Sta. 422+50.00 - Sta. 423+00.00
Sta. 423+50.00 - Sta. 423+84.89

- 1 Varies from 3.05% to 2.00%
From Sta. 422+50.00 to 423+00.00
- 2 Varies from 3.35% to 2.00%
From Sta. 422+50.00 to 423+00.00



SAFETY EDGE DETAIL



TYPICAL SECTION

Sta. 423+00.00 - Sta. 423+50.00

- 3 Varies from 11.4' to 13.1'
From Sta. 422+50.00 to 423+00.00

Date: Jul 20, 2022, 12:06pm User Name: BBritten File: X:\Production\Files\2020\1200-2028\PRJ-02\Departments\HY\CAD\Misc\DWG\Typical Sections.dwg

- (K) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 880 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm, on Subgrade Treatment, Type 1C, on Geotextile for Pavement, Type 2B
- (O) Variable Depth Compacted Aggregate No. 53
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm

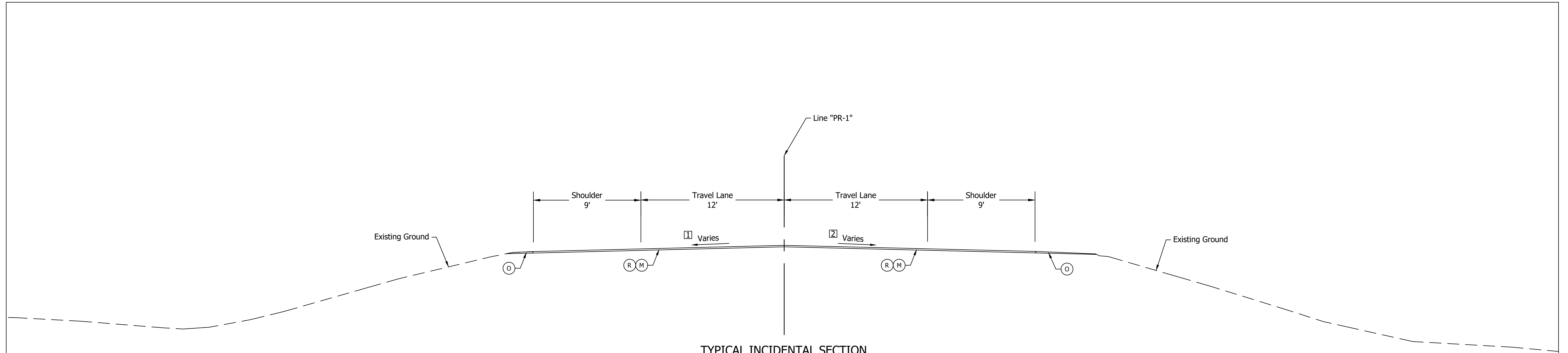
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KRT	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

STR. NO. 6 (CLV-027-038-57.06) - U.S. 27

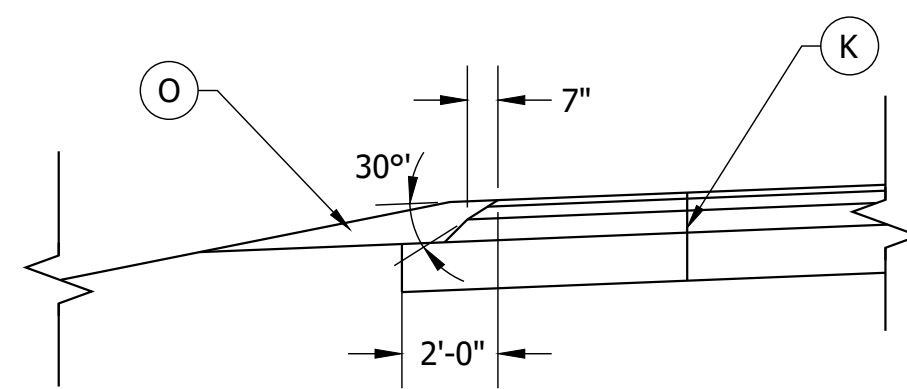
HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	14 of 102
CONTRACT	PROJECT
R-43491	1902734



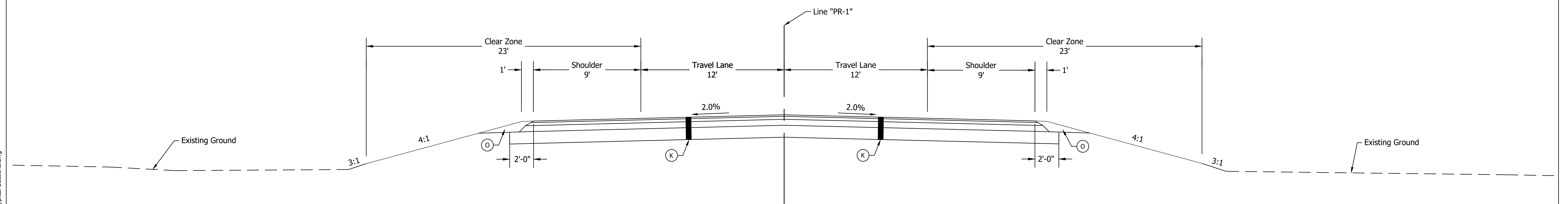
TYPICAL INCIDENTAL SECTION

Sta. 645+75.00 - Sta. 646+25.00
Sta. 646+75.00 - Sta. 647+25.00

- 1 Varies from 2.87% to 2.00%
From Sta. 645+75.00 to 646+25.22
Varies from 2.00% to 3.20%
From Sta. 646+75.00 to 647+25.22
- 2 Varies from 3.17% to 2.00%
From Sta. 645+75.00 to 646+25.22
Varies from 2.00% to 3.23%
From Sta. 646+75.00 to 647+25.22



SAFETY EDGE DETAIL



TYPICAL SECTION

Sta. 646+25.00 - Sta. 646+75.00

Date: Jul 20, 2022, 12:06pm User Name: BBritten File: X:\Production\Files\2020\1200-2028\PR0-02\Departments\HY\CAD\Misc\DWG\Typical Sections.dwg

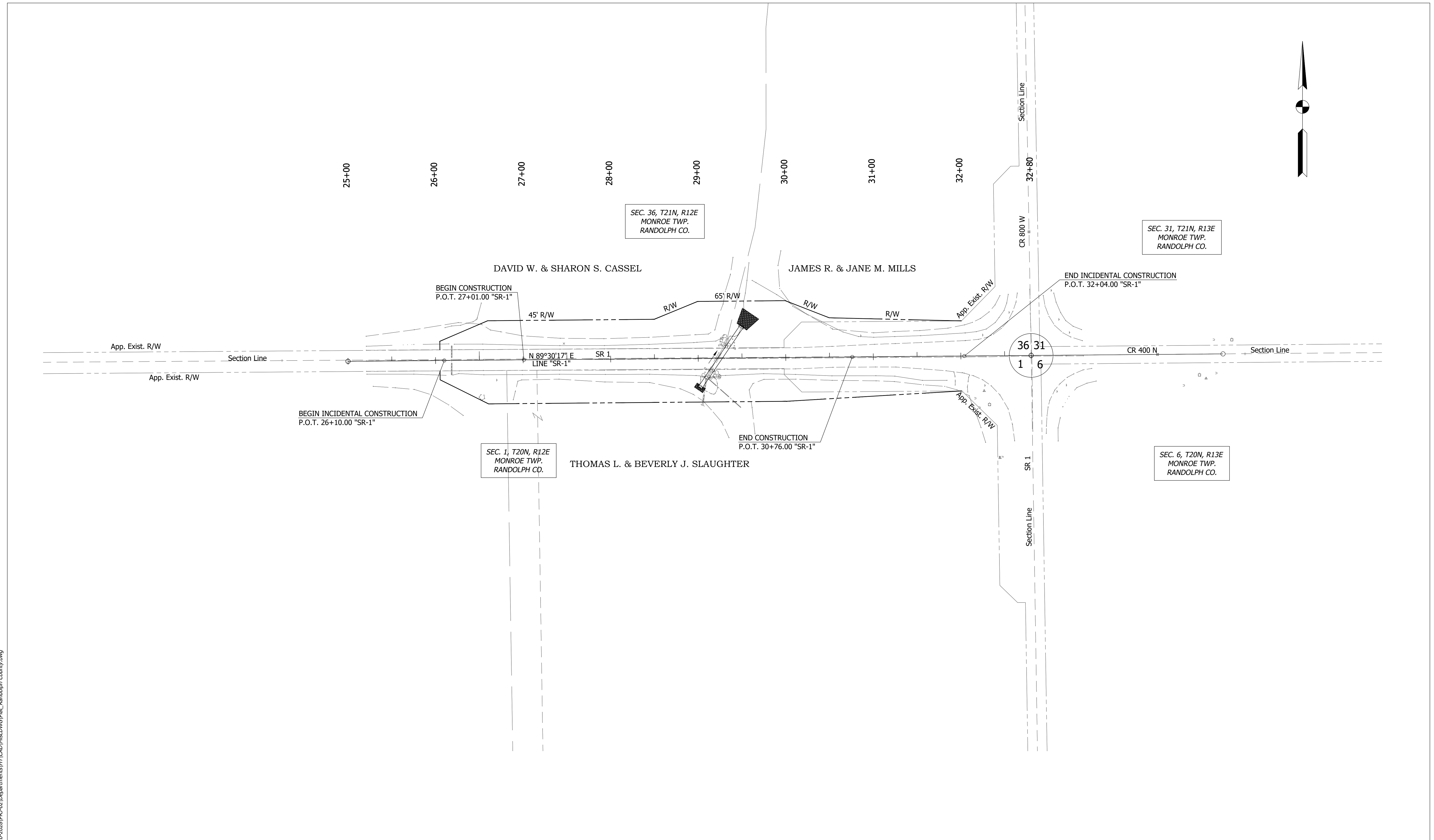
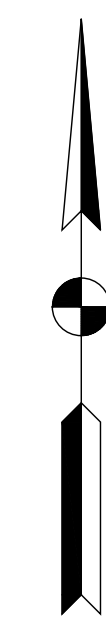
- (K) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 880 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm, on Subgrade Treatment, Type IC, on Geotextile for Pavement, Type 2B
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm
- (O) Variable Depth Compacted Aggregate No. 53

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KRT	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
STR. NO. 7 (CLV-027-038-61.28) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	15 of 102
CONTRACT	PROJECT
R-43491	1902734



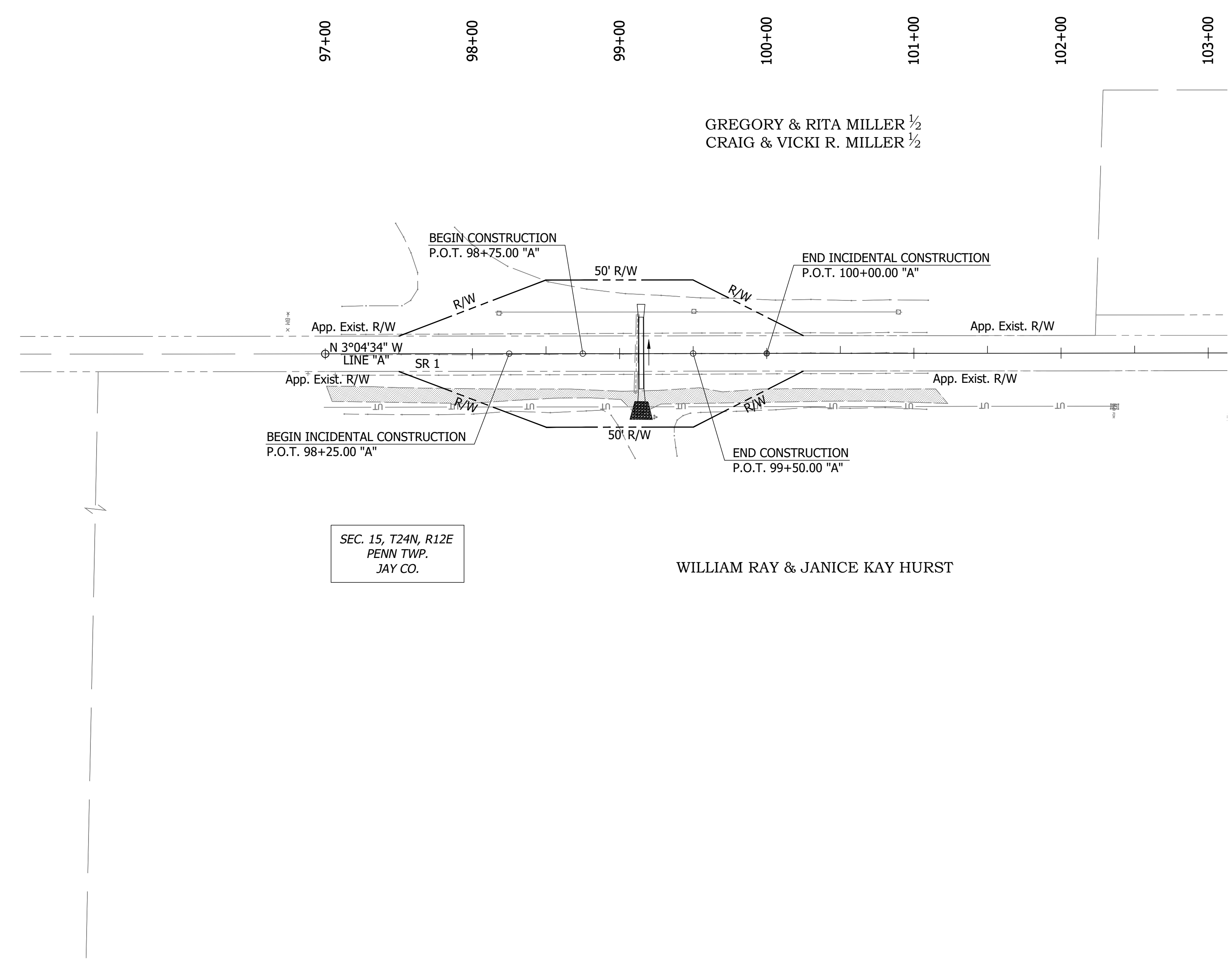
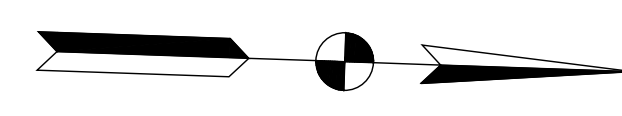
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 File: X:\Production\Files\2020\120-4028\PRJ-02\Departments\HY(CAD)\Misc\DWG\Plat_Randolph County.dwg

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

INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAT 1
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	16 of 102
CONTRACT	PROJECT
R-43491	1902734



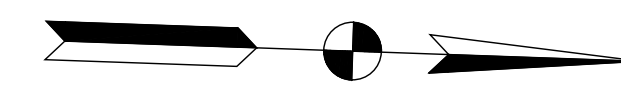
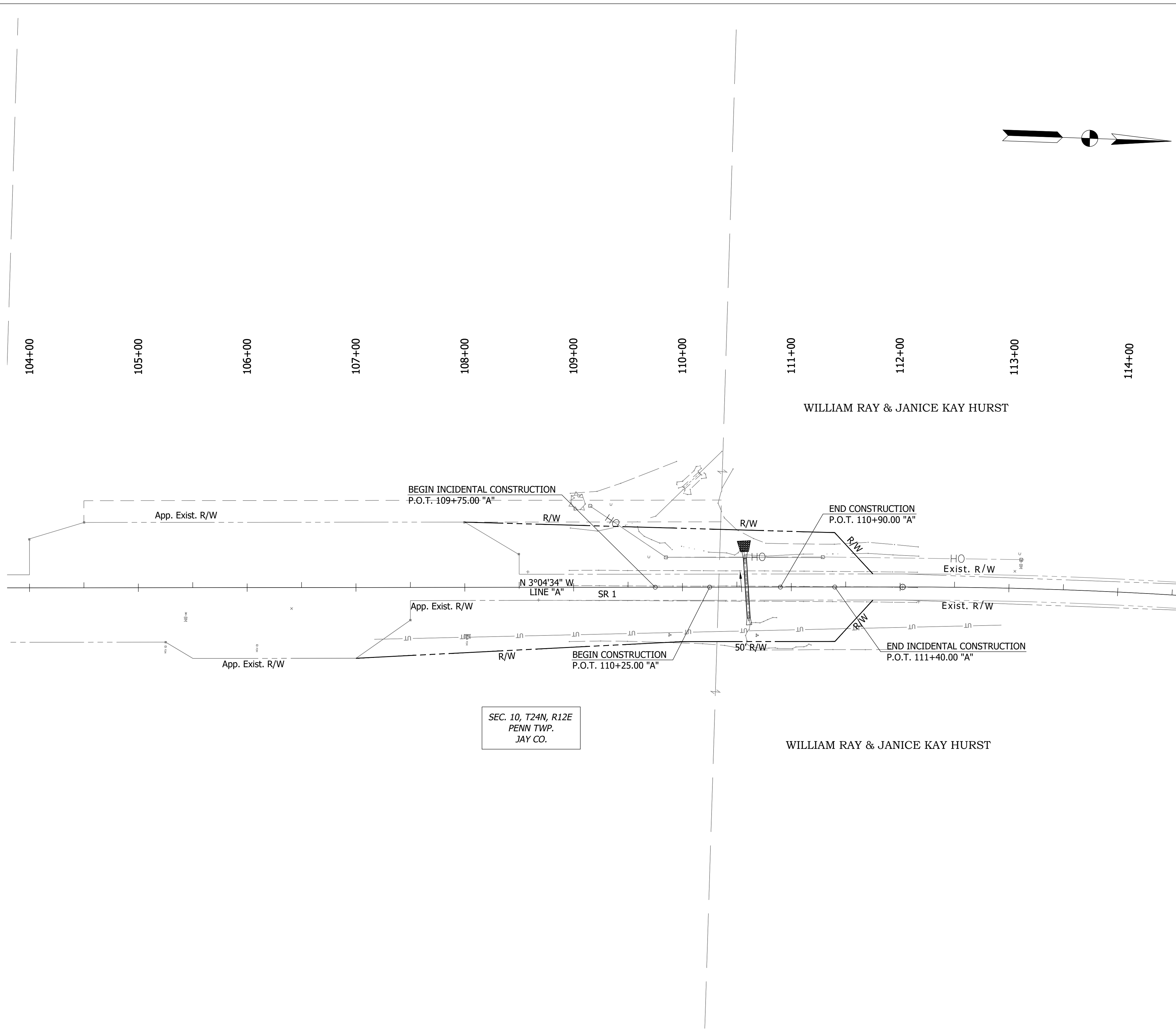
Date: Jul 20, 2022, 12:07pm User Name: BBritten File: X:\Production\Files\2020\120-2028\PROJ-02\Departments\HY\CAD\Misc\DWG\Plat_Jay County.dwg

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

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT 1
STR. NO. 2 (CLV-001-038-110.71) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	17 of 102
CONTRACT	PROJECT
R-43491	1902734



SEC. 10, T24N, R12E
 PENN TWP.
 JAY CO.

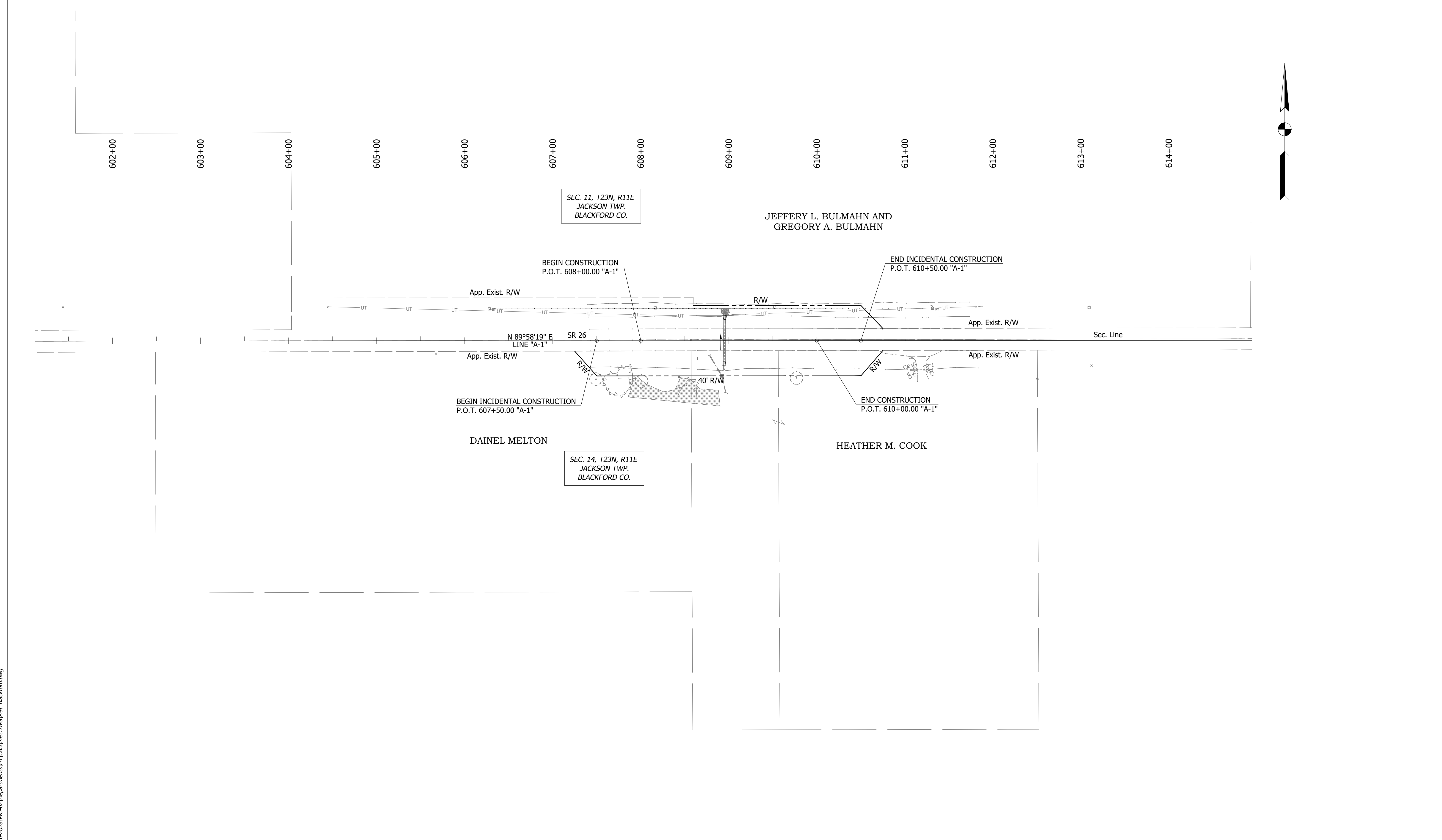
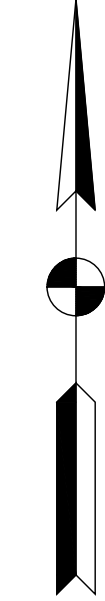
Date: Jul 20, 2022, 12:07pm User Name: BBritten
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ SMF _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAT 1
 STR. NO. 3 (CLV-001-038-110.93) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	18 of 102
CONTRACT	PROJECT
R-43491	1902734



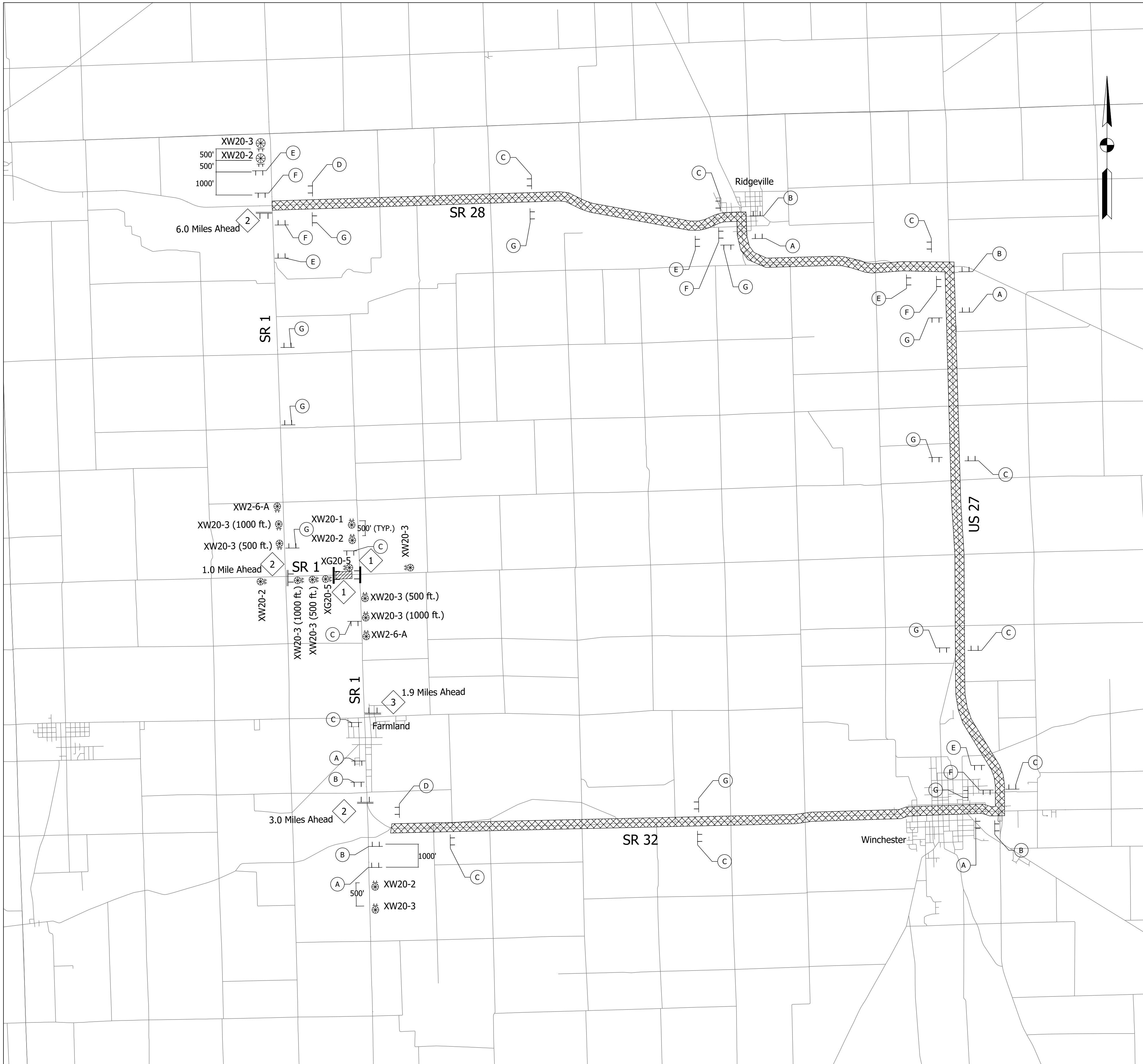
Date: Jul 20, 2022, 12:07pm User Name: BBritten
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: SMF	
CHECKED: AJK	CHECKED: AJK	

INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAT 1
STR. NO. 4 (CLV-026-005-125.01) - S.R 26

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	19 of 102
CONTRACT	PROJECT
R-43491	1902734



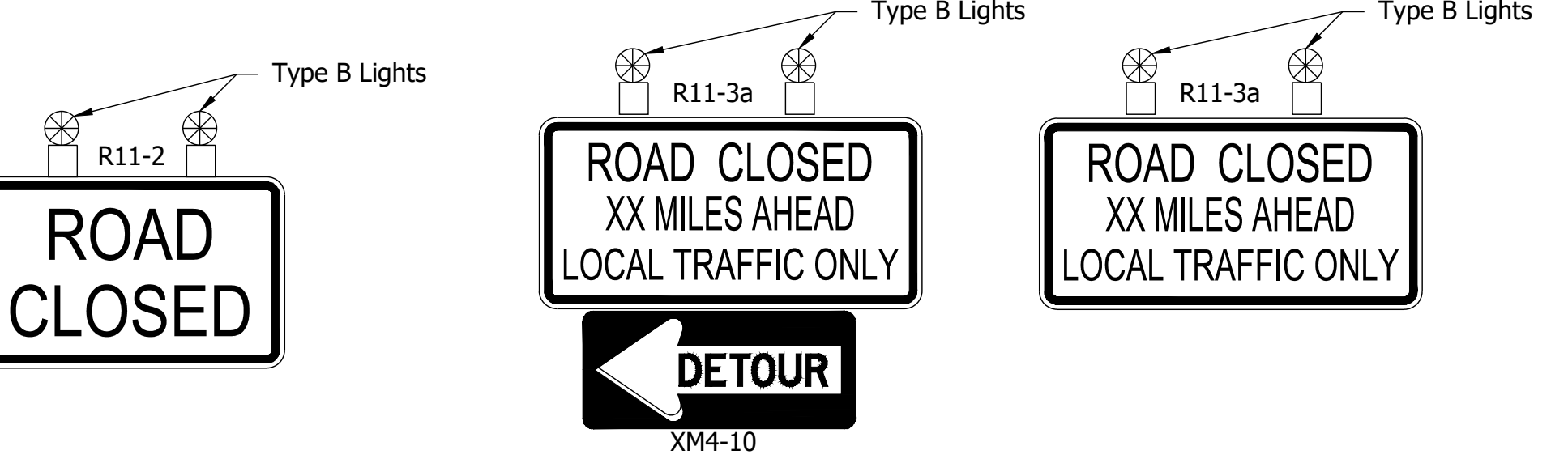
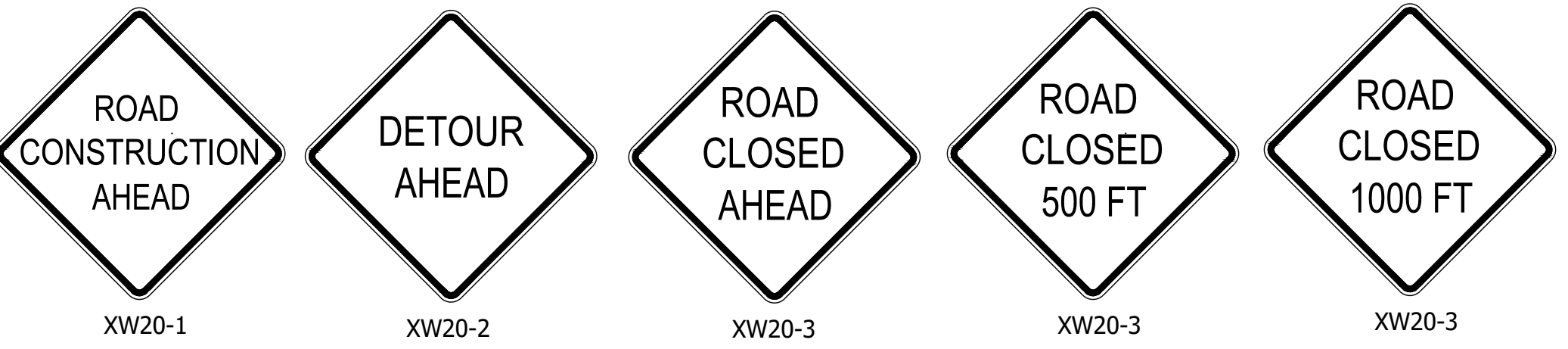
CONSTRUCTION SIGN SCHEDULE				
SIGN NO.	DESCRIPTION	SIZE (IN)	TYPE	EST. QTY.
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48	A	1
XW20-2	"DETOUR AHEAD" SIGN	48 x 48	A	4
XW20-3	"ROAD CLOSED AHEAD" SIGN	48 x 48	A	3
XW20-3 (500 FT)	"ROAD CLOSED 500 FT"	48 x 48	A	3
XW20-3 (1000 FT)	"ROAD CLOSED 1000 FT"	48 x 48	A	3
XW2-6-A	WORKSITE ADDED PENALTY SIGN	60 x 36	A	2
XG20-5	"ROAD CLOSED ON OR AFTER XX-XX" SIGN	60 x 36	A	2
DETOUR ROUTE MARKER ASSEMBLIES: 44 EACH				CONSTRUCTION SIGN, A
ROAD CLOSURE SIGN ASSEMBLY: 6 EACH				
TYPE III-A BARRICADES: 48 LFT.				
TYPE III-B BARRICADES: 96 LFT.				
				18

- 1 Road Closure Sign Assembly with Type A Barricades (2 x 12') = 24 LFT, R11-2
- 2 Road Closure Sign Assembly with Type B Barricades (2 x 12') = 24 LFT, R11-3a and M4-10 (R) or (L)
- 3 Road Closure Sign Assembly with Type B Barricades (2 x 12') = 24 LFT, R11-3a

LEGEND:

	TYPE B CONSTRUCTION WARNING LIGHTS		BARRICADE, TYPE III-A
	CONSTRUCTION SIGN (WITH TYPE A CONSTRUCTION WARNING LIGHTS)		BARRICADE, TYPE III-B
	CONSTRUCTION SIGN		CONSTRUCTION ZONE
	DETOUR ROUTE		DETOUR ROUTE

XM4-8 M3-1 M1-5a M5-1 (R OR L)	XM4-8 M3-1 M1-5a M6-1 (R OR L)	XM4-8 M3-1 M1-5a M6-3	XM4-8a M1-5a	XM4-8 M3-3 M1-5a M5-1 (R OR L)	XM4-8 M3-3 M1-5a M6-1 (R OR L)	XM4-8 M3-3 M1-5a M6-3



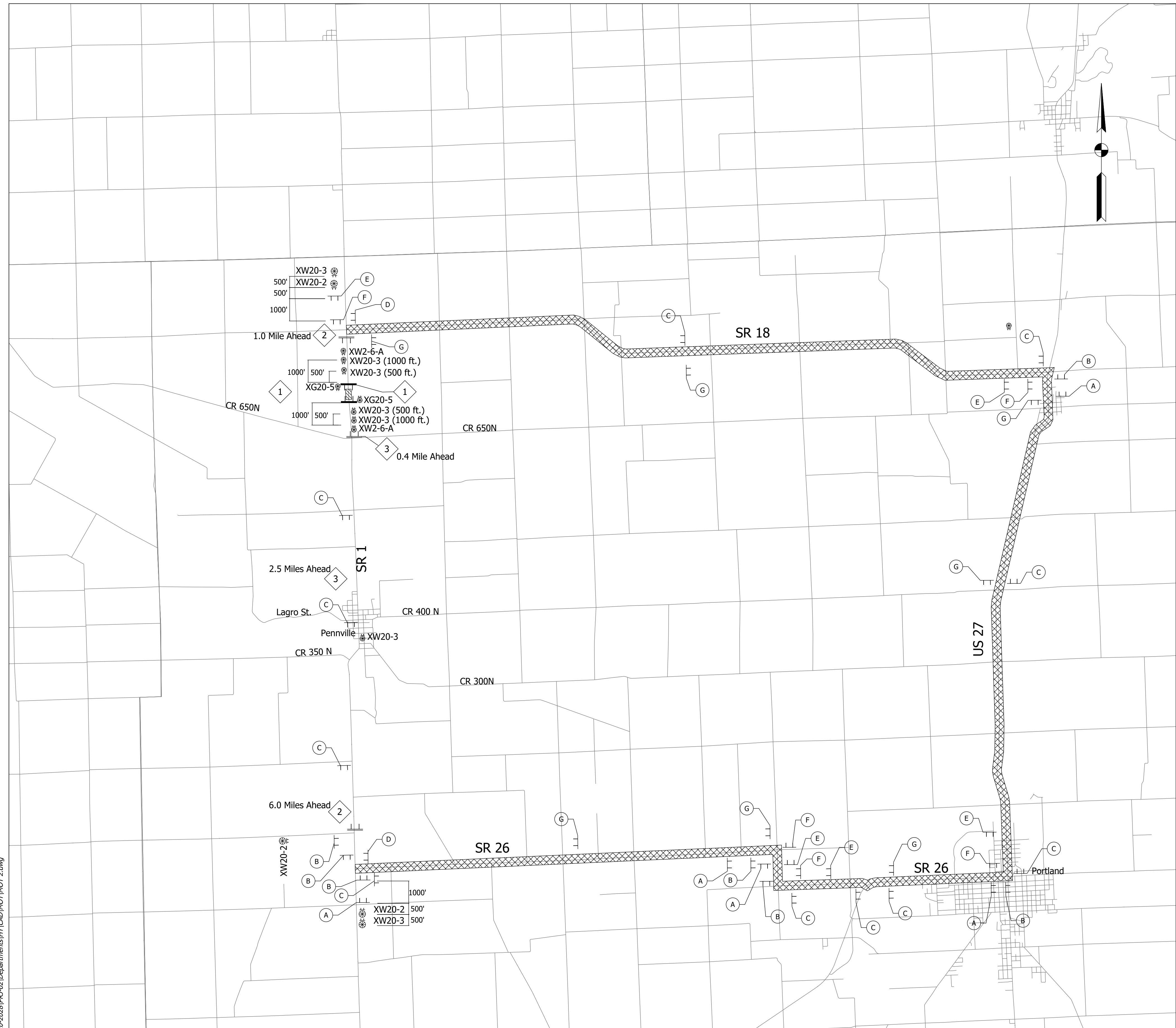
ROAD CLOSURE SIGN ASSEMBLY 1 ROAD CLOSURE SIGN ASSEMBLY 2 ROAD CLOSURE SIGN ASSEMBLY 3

- NOTES**
- ALL MAINTENANCE OF TRAFFIC DEVICES, SIGNS, AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE INDIANA MUTCD.
 - SEE INDOT STD DWG 801-TCDD-01 FOR ADDITIONAL DETAILS.
 - SEE INDOT STD DWG 801-TCLG-01 FOR GENERAL NOTES.
 - ACCESS SHALL BE MAINTAINED FOR RESIDENTS AT ALL TIMES.
 - THE CONSTRUCTION OF THE STRUCTURES SHALL BE SEQUENCED SUCH THAT OVERLAPPING DETOUR ROUTES ARE NOT USED CONCURRENTLY.
 - CONSTRUCTION SIGN, A SPACING SHALL BE 500 FT. UNLESS NOTED.

Date: Jul 20, 2022, 12:07pm User Name: BBritton File: X:\Production\Files\2020\1200-2028\PRJ-02\Departments\HY(CAD)\MOT\MOT.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: _____ SMF _____	DRAWN: _____ SMF _____		1" = 1200'	N/A
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____		VERTICAL SCALE	DESIGNATION
		MAINTENANCE OF TRAFFIC STR. NO. 1 (CLV-001-068-87.96) - S.R. 1	N/A	1902734
			SURVEY BOOK	SHEETS
			ELECTRONIC	20 of 102
			CONTRACT	PROJECT
		R-43491	1902734	

Date: Jul 20, 2022, 12:08pm User Name: BBritton
 File: X:\Production\Files\2020\1200-0228\PROJ-02\Departments\HY\CAD\MOT\MOT 2.dwg



CONSTRUCTION SIGN SCHEDULE				
SIGN NO.	DESCRIPTION	SIZE (IN)	TYPE	EST. QTY.
XW20-2	"DETOUR AHEAD" SIGN	48 x 48	A	3
XW20-3	"ROAD CLOSED AHEAD" SIGN	48 x 48	A	3
XW20-3 (500 FT)	"ROAD CLOSED 500 FT"	48 x 48	A	2
XW20-3 (1000 FT)	"ROAD CLOSED 1000 FT"	48 x 48	A	2
XW2-6-A	WORKSITE ADDED PENALTY SIGN	60 x 36	A	2
XG20-5	"ROAD CLOSED ON OR AFTER XX-XX" SIGN	60 x 36	A	2
DETOUR ROUTE MARKER ASSEMBLIES:				43 EACH
ROAD CLOSURE SIGN ASSEMBLY:				6 EACH
TYPE III-A BARRICADES:				48 LFT.
TYPE III-B BARRICADES:				96 LFT.
				CONSTRUCTION SIGN, A
				14

- 1 Road Closure Sign Assembly with Type A Barricades (2 x 12') = 24 LFT, R11-2
- 2 Road Closure Sign Assembly with Type B Barricades (2 x 12') = 24 LFT, R11-4 and M4-10 (R) or (L)
- 3 Road Closure Sign Assembly with Type B Barricades (2 x 12') = 24 LFT, R11-4

LEGEND:

	TYPE B CONSTRUCTION WARNING LIGHTS		BARRICADE, TYPE III-A
	CONSTRUCTION SIGN (WITH TYPE A CONSTRUCTION WARNING LIGHTS)		BARRICADE, TYPE III-B
	CONSTRUCTION SIGN		CONSTRUCTION ZONE
			DETOUR ROUTE

XM4-8 M3-1 M1-5a M5-1 (R OR L)	XM4-8 M3-1 M1-5a M6-1 (R OR L)	XM4-8 M3-1 M1-5a M6-3	XM4-8a M1-5a	XM4-8 M3-3 M1-5a M5-1 (R OR L)	XM4-8 M3-3 M1-5a M6-1 (R OR L)	XM4-8 M3-3 M1-5a M6-3

XW20-2	XW20-3	XW20-3	XW20-3

	XM4-10	

ROAD CLOSURE SIGN ASSEMBLY 1 ROAD CLOSURE SIGN ASSEMBLY 2 ROAD CLOSURE SIGN ASSEMBLY 3

- NOTES**
- ALL MAINTENANCE OF TRAFFIC DEVICES, SIGNS, AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE INDIANA MUTCD.
 - SEE INDOT STD DWG 801-TCDT-01 FOR ADDITIONAL DETAILS.
 - SEE INDOT STD DWG 801-TCLG-01 FOR GENERAL NOTES.
 - ACCESS SHALL BE MAINTAINED FOR RESIDENTS AT ALL TIMES.
 - THE CONSTRUCTION OF THE STRUCTURES SHALL BE SEQUENCED SUCH THAT OVERLAPPING DETOUR ROUTES ARE NOT USED CONCURRENTLY.
 - CONSTRUCTION SIGN, A SPACING SHALL BE 500 FT. UNLESS NOTED.

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

INDIANA DEPARTMENT OF TRANSPORTATION
 MAINTENANCE OF TRAFFIC STR. NO. 2 (CLV-001-038-110.71) - S.R. 1

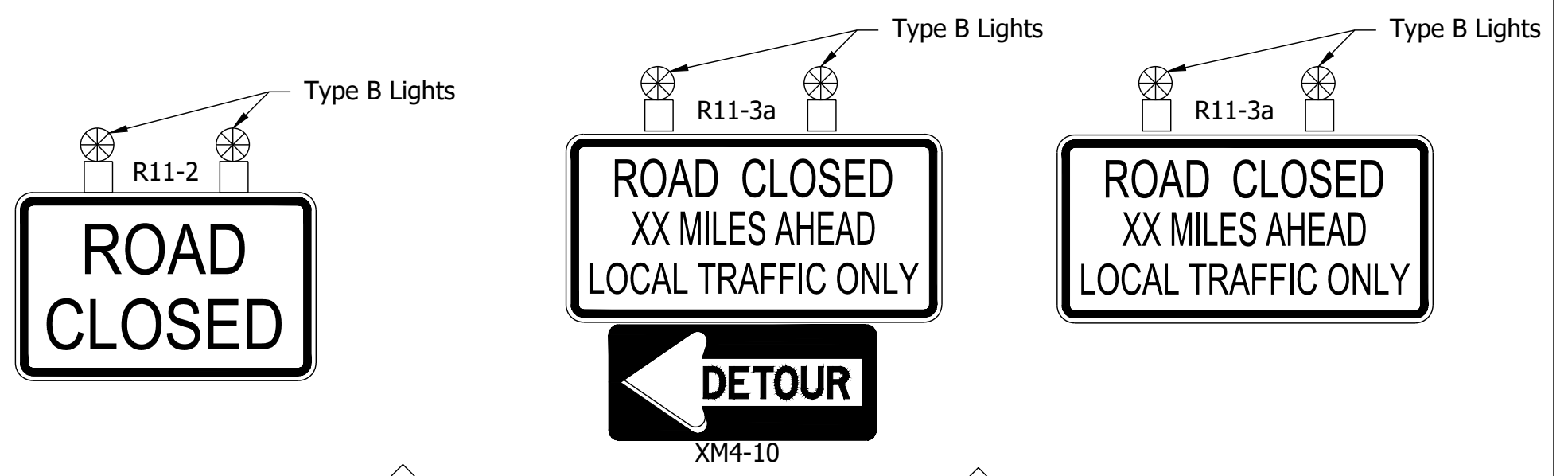
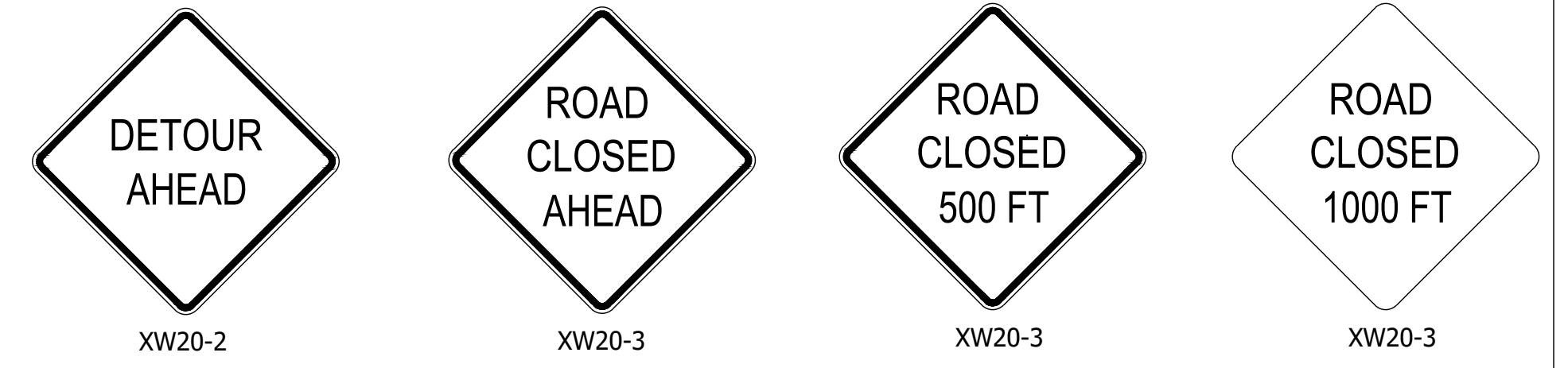
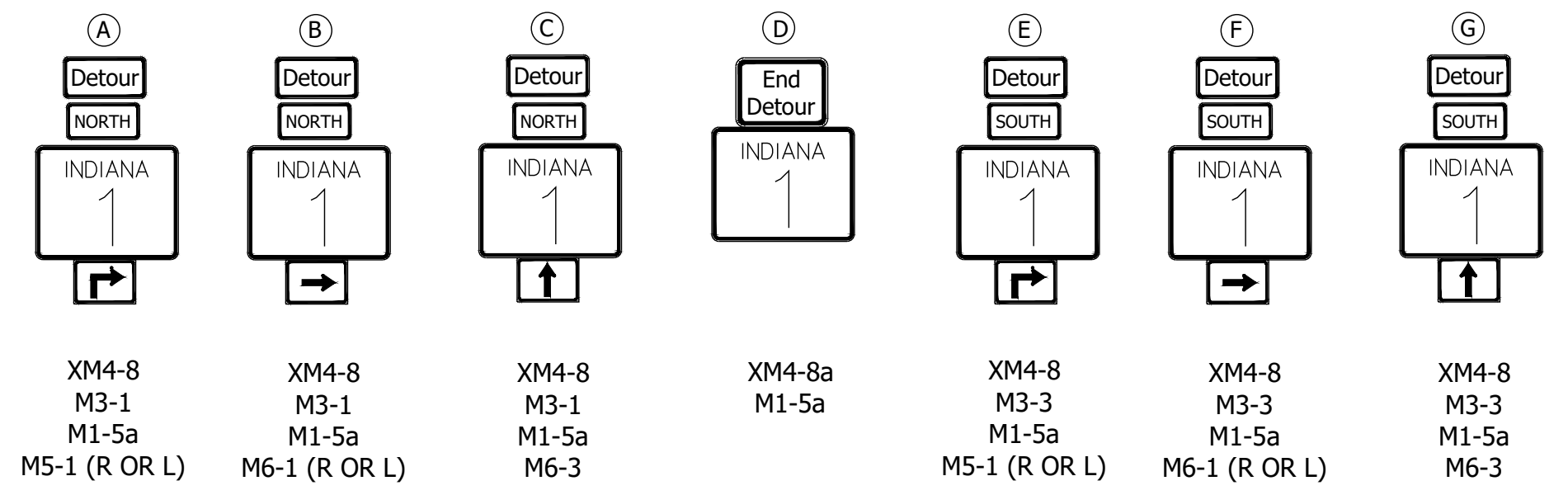
HORIZONTAL SCALE	BRIDGE FILE
1" = 1200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	21 of 102
CONTRACT	PROJECT
R-43491	1902734

CONSTRUCTION SIGN SCHEDULE				
SIGN NO.	DESCRIPTION	SIZE (IN)	TYPE	EST. QTY.
XW20-2	"DETOUR AHEAD" SIGN	48 x 48	A	3
XW20-3	"ROAD CLOSED AHEAD" SIGN	48 x 48	A	3
XW20-3 (500 FT)	"ROAD CLOSED 500 FT"	48 x 48	A	2
XW20-3 (1000 FT)	"ROAD CLOSED 1000 FT"	48 x 48	A	2
XW2-6-A	WORKSITE ADDED PENALTY SIGN	60 x 36	A	2
XG20-5	"ROAD CLOSED ON OR AFTER XX-XX" SIGN	60 x 36	A	2
DETOUR ROUTE MARKER ASSEMBLIES: 43 EACH ROAD CLOSURE SIGN ASSEMBLY: 6 EACH TYPE III-A BARRICADES: 48 LFT. TYPE III-B BARRICADES: 96 LFT.				CONSTRUCTION SIGN, A 14

1 Road Closure Sign Assembly with Type A Barricades (2 x 12') = 24 LFT), R11-2
 2 Road Closure Sign Assembly with Type B Barricades (2 x 12') = 24 LFT), R11-3a and M4-10 (R) or (L)
 3 Road Closure Sign Assembly with Type B Barricades (2 x 12') = 24 LFT), R11-3a

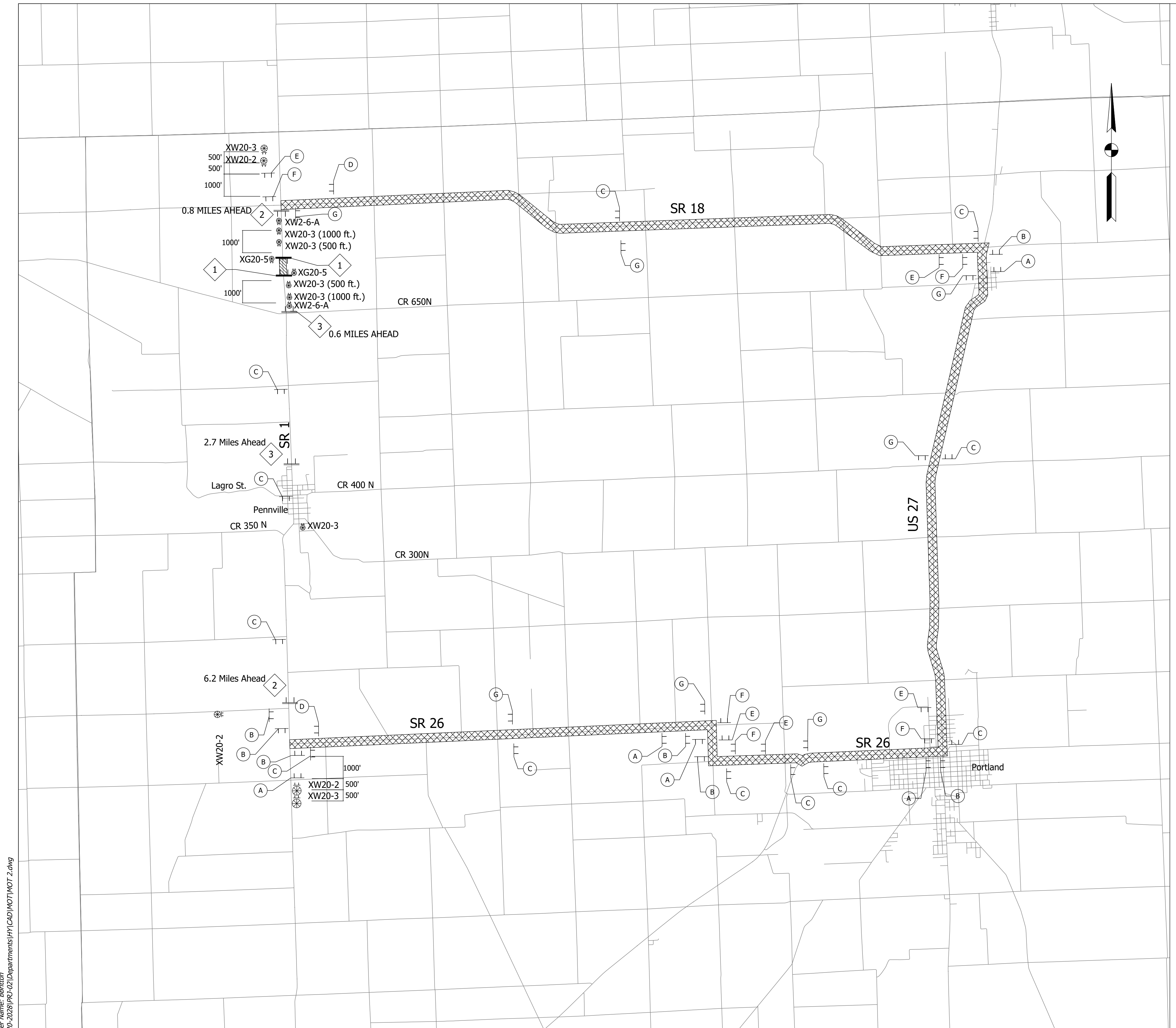
LEGEND:

- ☉ TYPE B CONSTRUCTION WARNING LIGHTS
- ☼ CONSTRUCTION SIGN (WITH TYPE A CONSTRUCTION WARNING LIGHTS)
- TT CONSTRUCTION SIGN
- TT BARRICADE, TYPE III-A
- TT BARRICADE, TYPE III-B
- ▨ CONSTRUCTION ZONE
- ▩ DETOUR ROUTE



ROAD CLOSURE SIGN ASSEMBLY 1 ROAD CLOSURE SIGN ASSEMBLY 2 ROAD CLOSURE SIGN ASSEMBLY 3

- NOTES**
- ALL MAINTENANCE OF TRAFFIC DEVICES, SIGNS, AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE INDIANA MUTCD.
 - SEE INDOT STD DWG 801-TCDD-01 FOR ADDITIONAL DETAILS.
 - SEE INDOT STD DWG 801-TCLG-01 FOR GENERAL NOTES.
 - ACCESS SHALL BE MAINTAINED FOR RESIDENTS AT ALL TIMES.
 - THE CONSTRUCTION OF THE STRUCTURES SHALL BE SEQUENCED SUCH THAT OVERLAPPING DETOUR ROUTES ARE NOT USED CONCURRENTLY.
 - CONSTRUCTION SIGN, A SPACING SHALL BE 500 FT. UNLESS NOTED.



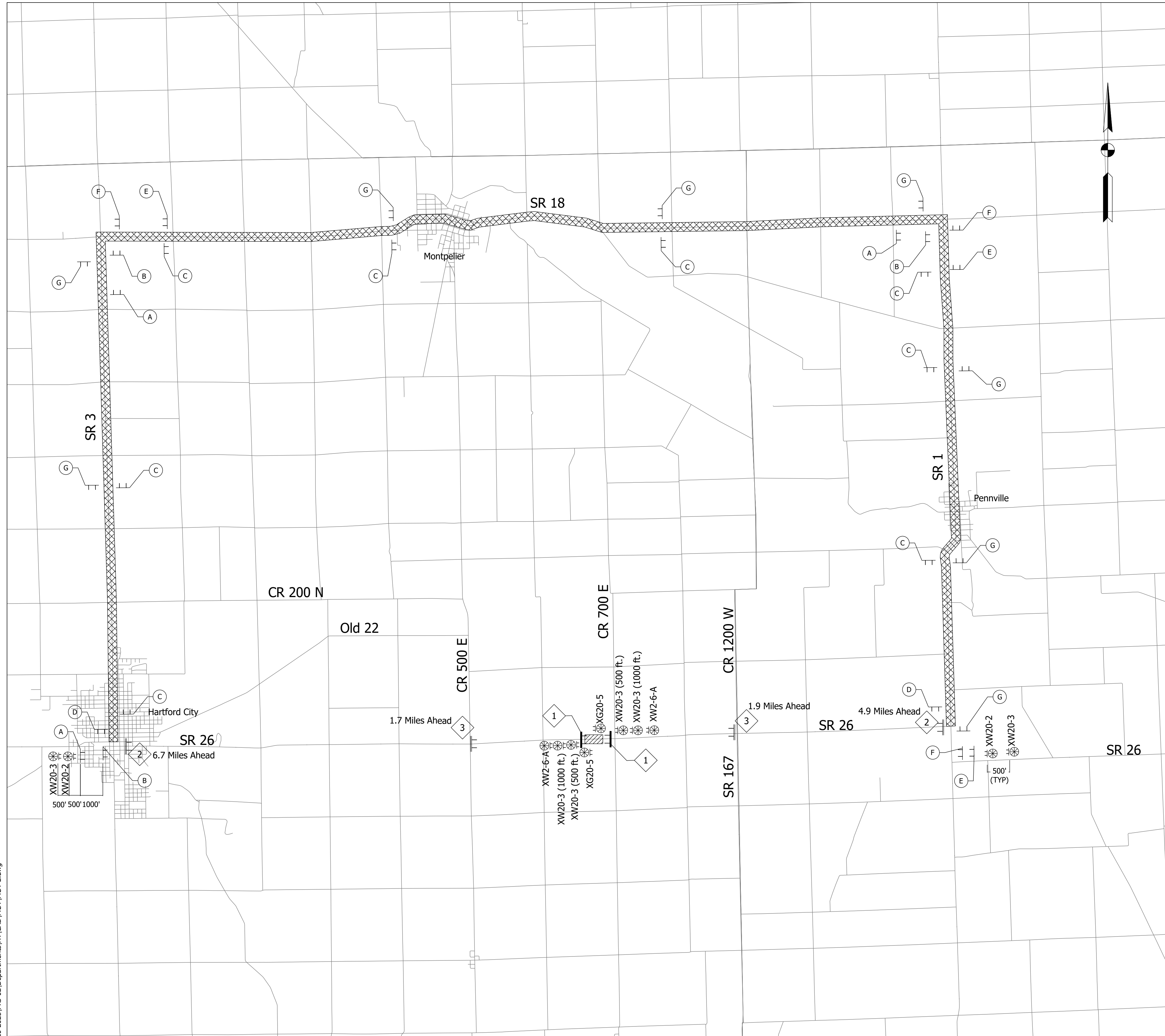
Date: Jul 20, 2022, 12:08pm User Name: BBritten
 File: X:\Production\Files\2020\120-0228\PRJ-02\Departments\HY(CAD)\MOT\MOT 2.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: SMF	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STR. NO. 3 (CLV-001-038-110.93) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 1200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	22 of 102
CONTRACT	PROJECT
R-43491	1902734



CONSTRUCTION SIGN SCHEDULE				
SIGN NO.	DESCRIPTION	SIZE (IN)	TYPE	EST. QTY.
XW20-2	"DETOUR AHEAD" SIGN	48 x 48	A	2
XW20-3	"ROAD CLOSED AHEAD" SIGN	48 x 48	A	2
XW20-3 (500 FT)	"ROAD CLOSED 500 FT"	48 x 48	A	2
XW20-3 (1000 FT)	"ROAD CLOSED 1000 FT"	48 x 48	A	2
XW2-6-A	WORKSITE ADDED PENALTY SIGN	60 x 36	A	2
XG20-5	"ROAD CLOSED ON OR AFTER XX-XX" SIGN	60 x 36	A	2

DETOUR ROUTE MARKER ASSEMBLIES: 30 EACH
 ROAD CLOSURE SIGN ASSEMBLY: 6 EACH
 TYPE III-A BARRICADES: 48 LFT.
 TYPE III-B BARRICADES: 96 LFT.

CONSTRUCTION SIGN, A 12

- 1 Road Closure Sign Assembly with Type A Barricades (2 x 12') = 24 LFT), R11-2
- 2 Road Closure Sign Assembly with Type B Barricades (2 x 12') = 24 LFT), R11-4 and M4-10 (R) or (L)
- 3 Road Closure Sign Assembly with Type B Barricades (2 x 12') = 24 LFT), R11-4

LEGEND:

- ☼ TYPE B CONSTRUCTION WARNING LIGHTS
- CONSTRUCTION SIGN (WITH TYPE A CONSTRUCTION WARNING LIGHTS)
- TT CONSTRUCTION SIGN
- TTT BARRICADE, TYPE III-A
- TTT BARRICADE, TYPE III-B
- /// CONSTRUCTION ZONE
- XXX DETOUR ROUTE

ROAD CLOSURE SIGN ASSEMBLY 1 ROAD CLOSURE SIGN ASSEMBLY 2 ROAD CLOSURE SIGN ASSEMBLY 3

NOTES

1. ALL MAINTENANCE OF TRAFFIC DEVICES, SIGNS, AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE INDIANA MUTCD.
2. SEE INDOT STD DWG 801-TCDDT-01 FOR ADDITIONAL DETAILS.
3. SEE INDOT STD DWG 801-TCLG-01 FOR GENERAL NOTES.
4. ACCESS SHALL BE MAINTAINED FOR RESIDENTS AT ALL TIMES.
5. THE CONSTRUCTION OF THE STRUCTURES SHALL BE SEQUENCED SUCH THAT OVERLAPPING DETOUR ROUTES ARE NOT USED CONCURRENTLY.
6. CONSTRUCTION SIGN, A SPACING SHALL BE 500 FT. UNLESS NOTED.

Date: Jul 20, 2022, 12:08pm User Name: BBritten File: X:\Production\Files\2020\1200-2028\PRJ-02\Departments\HY\CAD\MOT\MOT 2.dwg

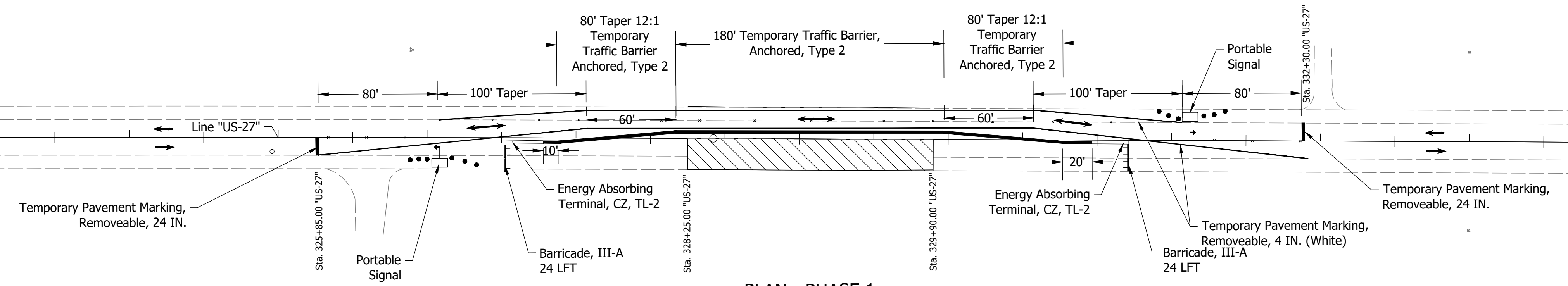
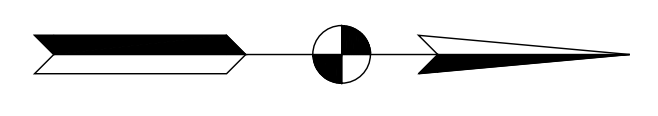
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ SMF _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

INDIANA DEPARTMENT OF TRANSPORTATION

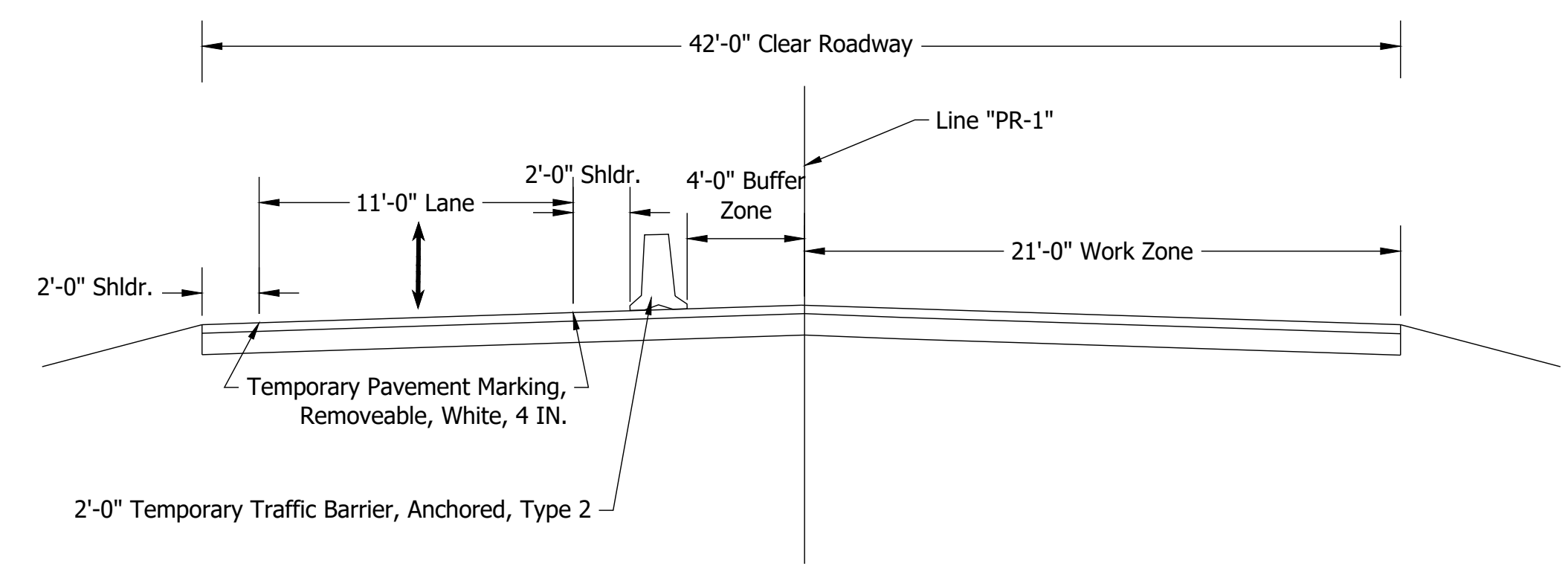
MAINTENANCE OF TRAFFIC STR. NO. 4 (CLV-026-005-125.01) - S.R 26

HORIZONTAL SCALE	BRIDGE FILE
1" = 1200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	23 of 102
CONTRACT	PROJECT
R-43491	1902734

322+00 323+00 324+00 325+00 326+00 327+00 328+00 329+00 330+00 331+00 332+00 333+00 334+00 335+00 336+00 337+00



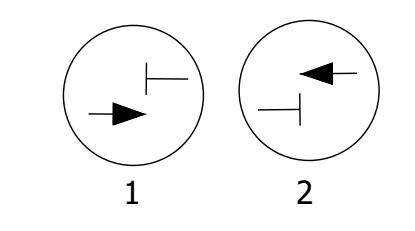
PLAN - PHASE 1
Work Area in Northbound Lane
Scale: 1"=50'



Typical Section - Phase 1
Scale: 1"=5'

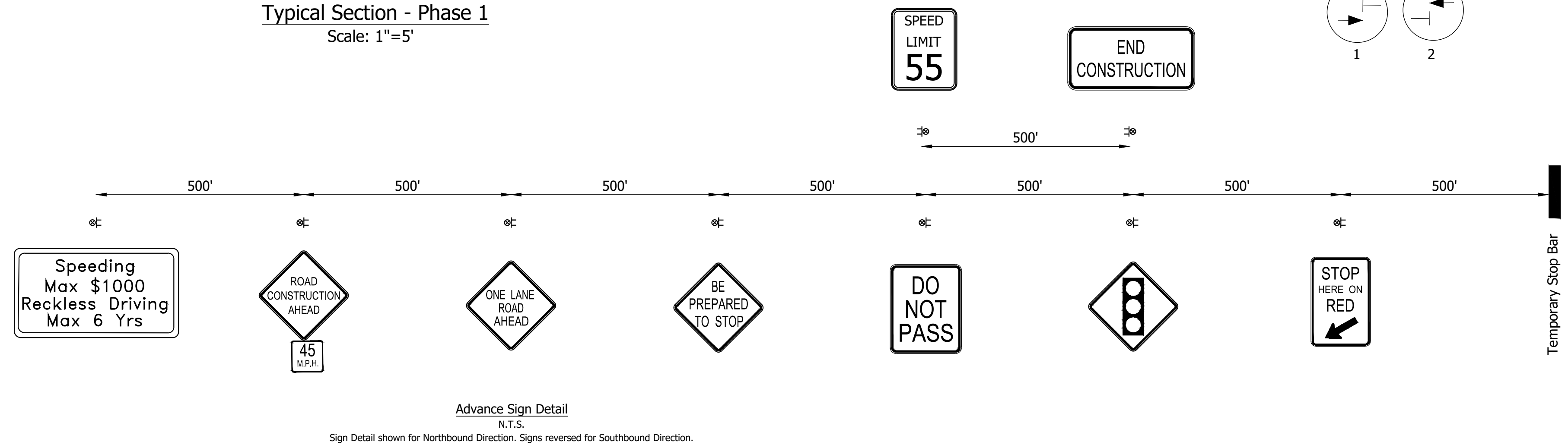
- LEGEND**
- Temporary Traffic Barrier, Anchored, Type 2
 - Work Zone
 - Channelization Device
 - Construction Sign
 - Construction Warning Light, Type A
 - Portable Signal
 - Direction Of Traffic
 - Line, Remove
 - Barricade III-A

SIGNAL PHASING DIAGRAM



Construction Sign Schedule, Phase 1				
Sign No.	Description	Size (IN.)	Type	Est. Qty
XW2-6	Penalty Sign	60 x 36	A	2
XW20-1	Road Construction Ahead	48 x 48	A	2
XW20-4	One Lane Road Ahead	48 x 48	A	2
XW13-1A	Advisory Speed (45)	24 x 24	B	2
W3-4	Be Prepared to Stop	48 x 48	A	2
W3-3	Signal Ahead	48 x 48	A	2
R4-1	Do Not Pass	24 x 30	B	2
R10-6	Stop Here on Red	24 x 36	B	3
XG20-2	End Construction	60 x 36	A	2
R2-1	Speed Limit (55)	30 x 36	B	2
Total Phase 1, Constructon Sign, Type A				12
Total Phase 1, Constructon Sign, Type B				9

Item	Units	Total
Temporary Pavement Marking, Removeable, 4 IN.	LFT	1130
Temporary Transverse Pavement Marking, Removeable, 24 IN.	LFT	24
Maintaining Traffic	LS	1
Barricade, III-A	LFT	48
Temporary Traffic Barrier, Anchored, Type 2	LFT	370
Porable Signal	LS	1
Line, Remove	LFT	705



Advance Sign Detail
N.T.S.
Sign Detail shown for Northbound Direction. Signs reversed for Southbound Direction.

Posted design speed = 55 m.p.h.
Construction design speed = 45 m.p.h.
Construction clear zone = 16 feet.

- NOTES:**
- One lane of traffic shall be maintained in each direction throughout the duration of the project with the use of portable signals. See Str. No. 5 RSP 801-T-212 for portable signal timing.
 - Access to all drives must be maintained during all phases of construction.
 - All Maintenance of Traffic Devices, signs, and pavement markings shall conform to the latest edition of the Indiana MUTCD.

Date: Jul 20, 2022, 4:38pm User Name: EBritton File: X:\Production\Files\2020\1120-2028\PRJ-02\Departments\HY\CAD\MOT\MOT - CLV-027-068-55.25 Phase 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____

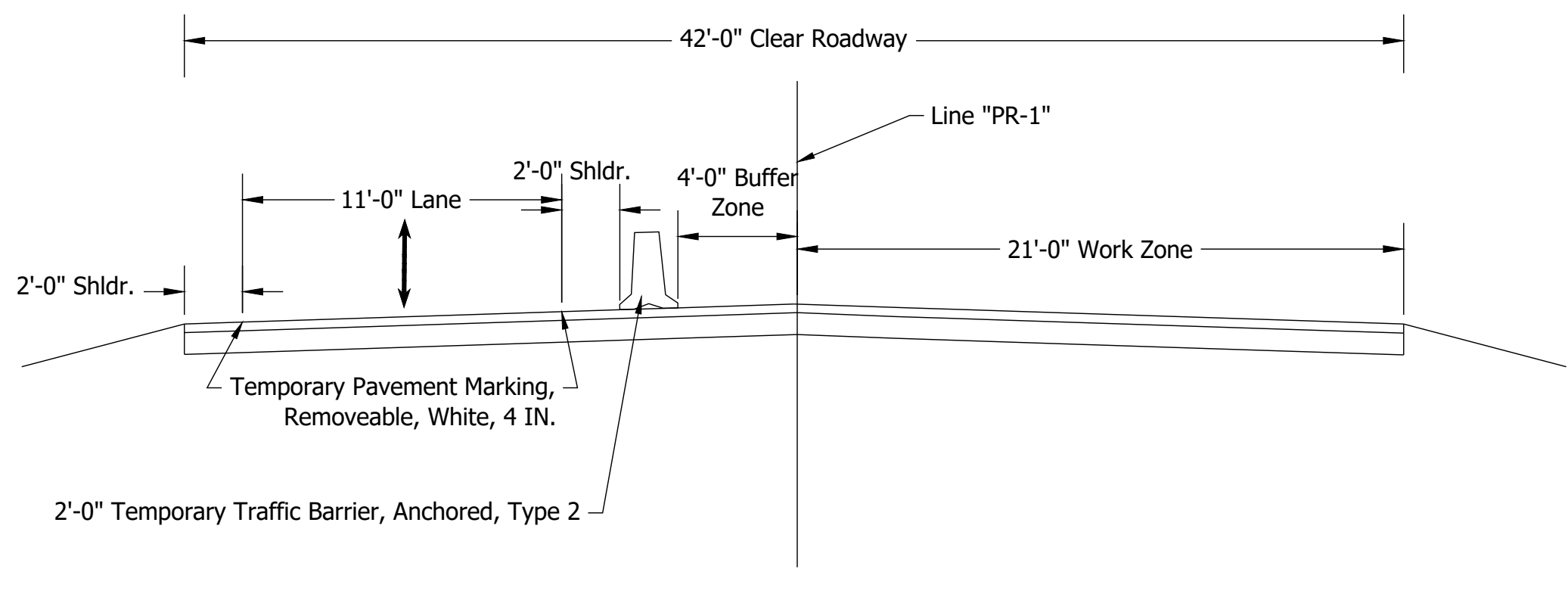
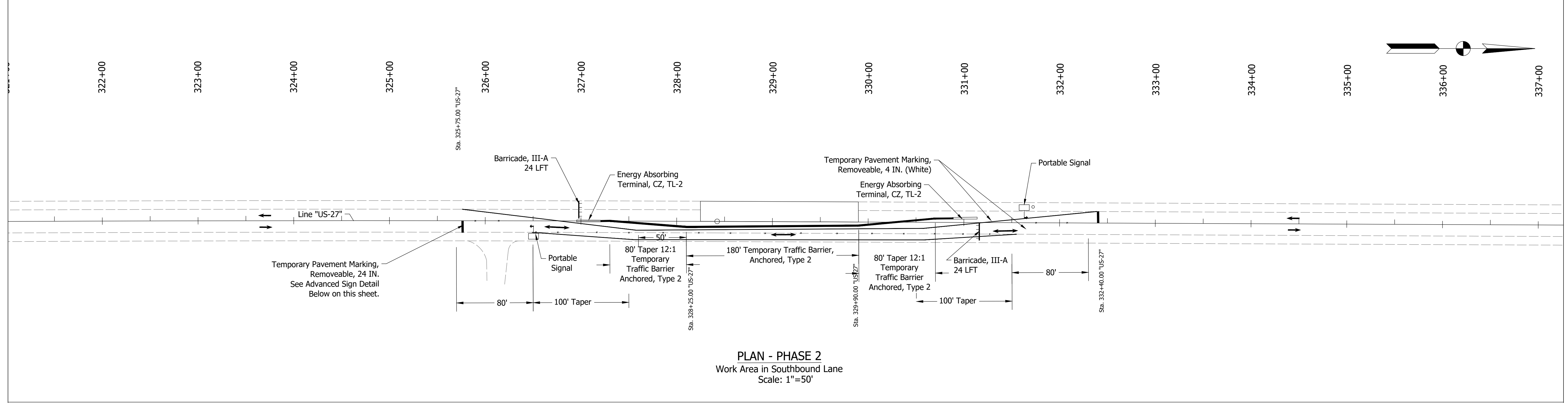
DESIGNED: _____ SCS _____ DRAWN: _____ SCS _____

CHECKED: _____ AJK _____ CHECKED: _____ AJK _____

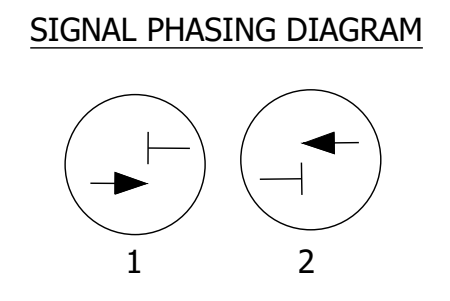
INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC STR. NO. 5 (CLV-027-068-55.25) - PHASE 1

HORIZONTAL SCALE		BRIDGE FILE	
AS NOTED		N/A	
VERTICAL SCALE		DESIGNATION	
N/A		1902734	
SURVEY BOOK		SHEETS	
ELECTRONIC	24	of	102
CONTRACT		PROJECT	
R-43491		1902734	

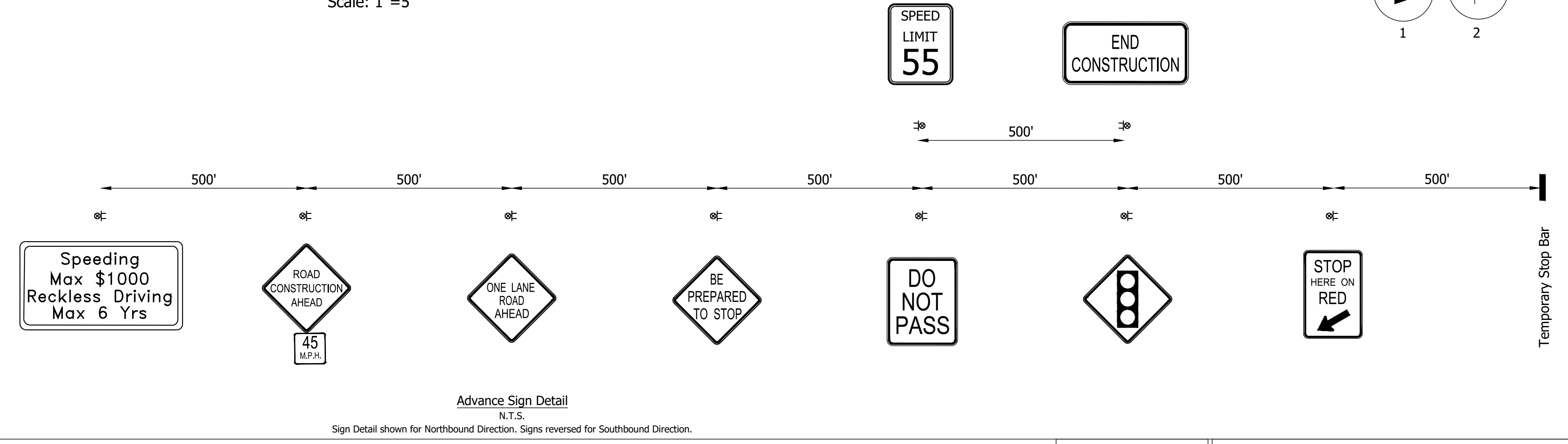


- LEGEND**
- Temporary Traffic Barrier, Anchored, Type 2
 - Work Zone
 - Channelization Device
 - Construction Sign
 - Construction Warning Light, Type A
 - Portable Signal
 - Direction Of Traffic
 - Line, Remove
 - Barricade III-A



Construction Sign Schedule, Phase 2				
Sign No.	Description	Size (IN.)	Type	Est. Qty
XW2-6	Penalty Sign	60 x 36	A	2
XW20-1	Road Construction Ahead	48 x 48	A	2
XW20-4	One Lane Road Ahead	48 x 48	A	2
XW13-1A	Advisory Speed (45)	24 x 24	B	2
W3-4	Be Prepared to Stop	48 x 48	A	2
W3-3	Signal Ahead	48 x 48	A	2
R4-1	Do Not Pass	24 x 30	B	2
R10-6	Stop Here on Red	24 x 36	B	2
XG20-2	End Construction	60 x 36	A	2
R2-1	Speed Limit (55)	30 x 36	B	2
Total Phase 2, Construction Sign, Type A				12
Total Phase 2, Construction Sign, Type B				8

Item	Units	Total
Temporary Pavement Marking, Removeable, 4 IN.	LFT	2236
Temporary Transverse Pavement Marking, Removeable, 24 IN.	LFT	24
Maintaining Traffic	LS	1
Barricade, III-A	LFT	48
Temporary Traffic Barrier, Anchored, Type 2	LFT	370
Portable Signal	LS	1
Line, Remove	LFT	485



Posted design speed = 55 m.p.h.
 Construction design speed = 45 m.p.h.
 Construction clear zone = 16 feet.

- NOTES:**
- One lane of traffic shall be maintained in each direction throughout the duration of the project with the use of portable signals. See Str. No. 5 RSP 801-T-212 for portable signal timing.
 - Access to all drives must be maintained during all phases of construction.
 - All Maintenance of Traffic Devices, signs, and pavement markings shall conform to the latest edition of the Indiana MUTCD.

Date: Jul 20, 2022, 4:38pm User Name: EBritton File: X:\Production\Files\2020\1120-2026\PRJ-02\Departments\HY(CAD)\MOT\MOT - CLV-027-068-55.25 Phase 2.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____

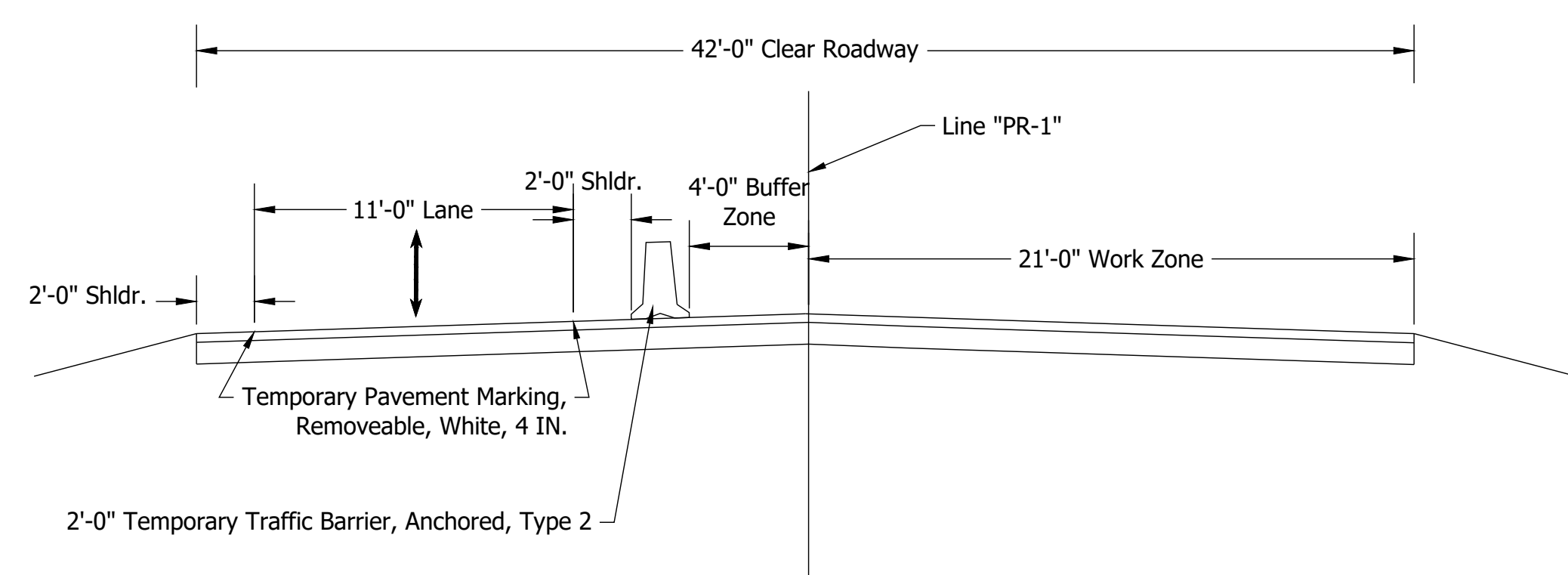
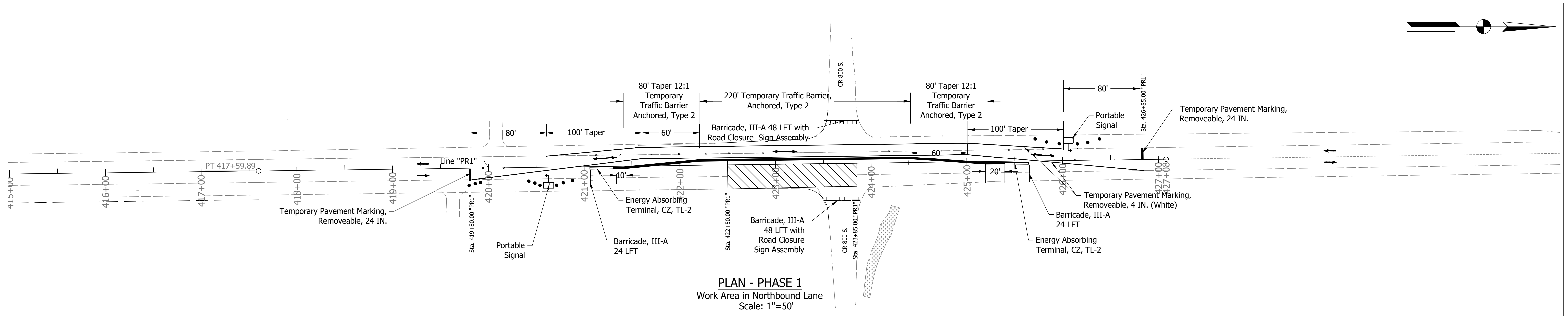
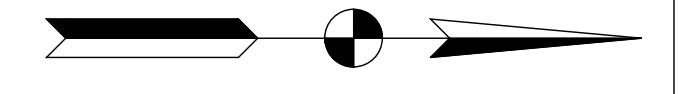
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CHECKED: _____ AJK _____ CHECKED: _____ AJK _____

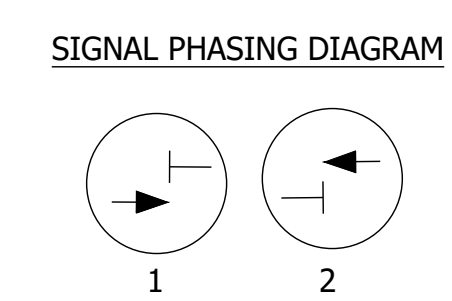
INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC STR. NO. 5 (CLV-027-068-55.25) - PHASE 2

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	25 of 102
CONTRACT	PROJECT
R-43491	1902734

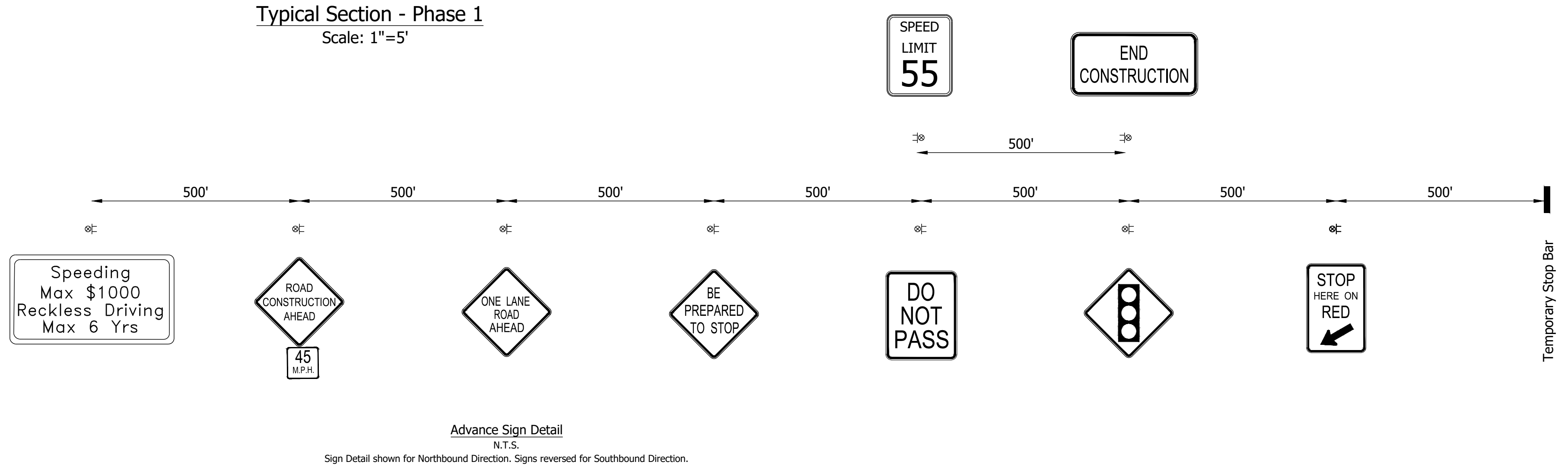


- LEGEND**
- Temporary Traffic Barrier, Anchored, Type 2
 - Work Zone
 - Channelization Device
 - Construction Sign
 - Construction Warning Light, Type A
 - Portable Signal
 - Direction Of Traffic
 - Line, Remove
 - Barricade III-A



Construction Sign Schedule, Phase 1				
Sign No.	Description	Size (IN.)	Type	Est. Qty
XW2-6	Penalty Sign	60 x 36	A	2
XW20-1	Road Construction Ahead	48 x 48	A	2
XW20-4	One Lane Road Ahead	48 x 48	A	2
XW13-1A	Advisory Speed (45)	24 x 24	B	2
W3-4	Be Prepared to Stop	48 x 48	A	2
W3-3	Signal Ahead	48 x 48	A	2
R4-1	Do Not Pass	24 x 30	B	2
R10-6	Stop Here on Red	24 x 36	B	2
XG20-2	End Construction	60 x 36	A	2
R2-1	Speed Limit (55)	30 x 36	B	2
Total Phase 1, Construction Sign, Type A				12
Total Phase 1, Construction Sign, Type B				8

Item	Units	Total
Temporary Pavement Marking, Removeable, 4 IN.	LFT	650
Temporary Transverse Pavement Marking, Removeable, 24 IN.	LFT	24
Maintaining Traffic	LS	1
Barricade, III-A	LFT	48
Temporary Traffic Barrier, Anchored, Type 2	LFT	410
Portable Signal	LS	1
Line, Remove	LFT	710



Posted design speed = 55 m.p.h.
 Construction design speed = 45 m.p.h.
 Construction clear zone = 16 feet.

- NOTES:**
- One lane of traffic shall be maintained in each direction throughout the duration of the project with the use of portable signals. See Str. No. 6 RSP 801-T-212 for portable signal timing.
 - Access to all drives must be maintained during all phases of construction.
 - All Maintenance of Traffic Devices, signs, and pavement markings shall conform to the latest edition of the Indiana MUTCD.

Date: Jul 20, 2022, 4:38pm User Name: EBRITTON File: X:\Production\Files\2020\1120-2028\PROJ-02\Departments\HY(CAD)\MOT\MOT - CLV-027-038-57.06 Phase 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____

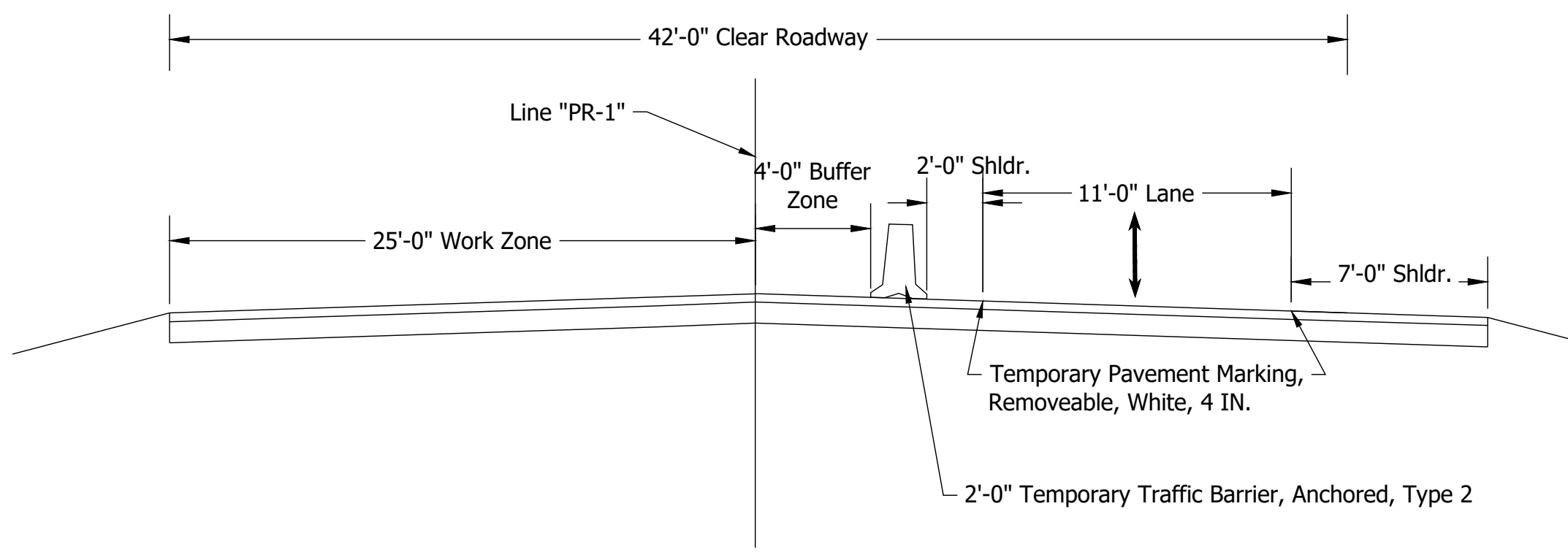
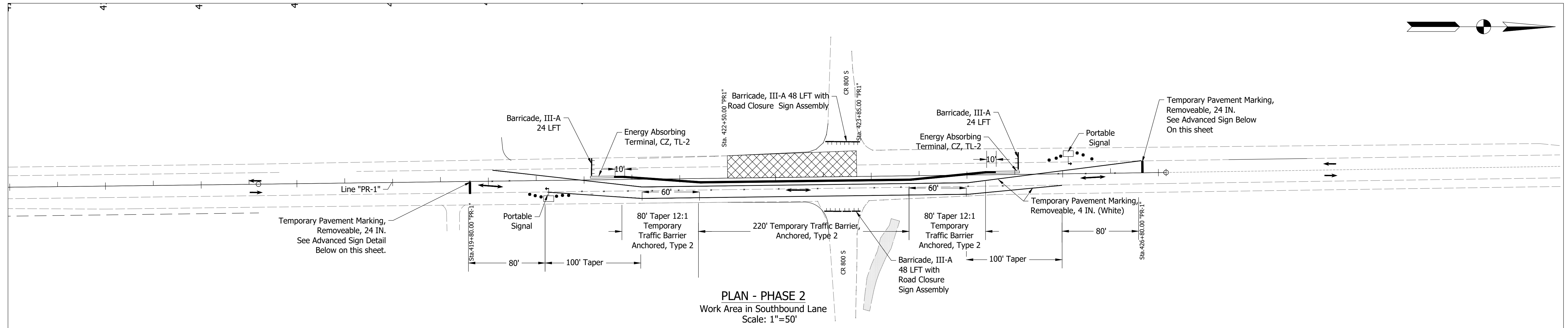
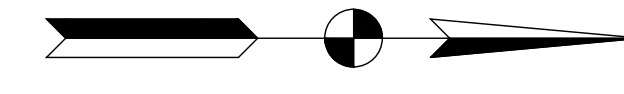
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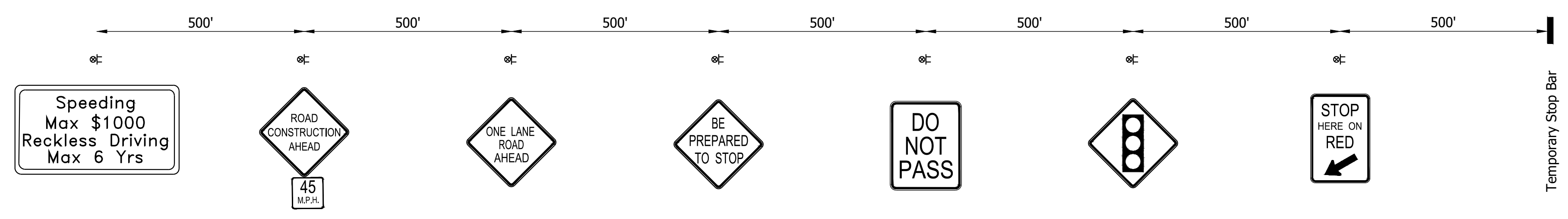
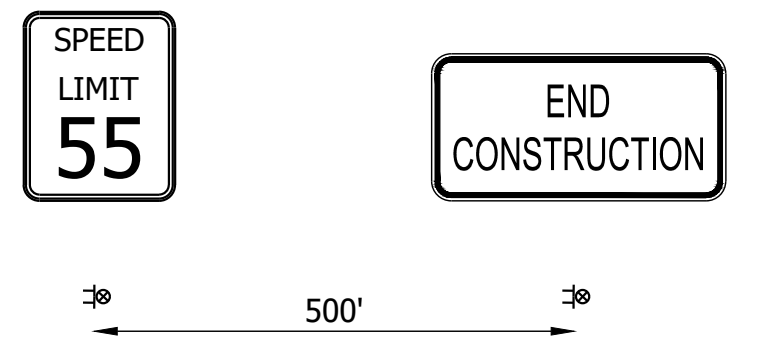
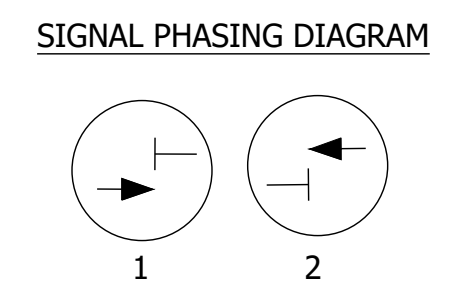
INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC STR. NO. 6 (CLV-027-038-57.06) - PHASE 1

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEET
ELECTRONIC	26 of 102
CONTRACT	PROJECT
R-43491	1902734



- LEGEND**
- Temporary Traffic Barrier, Anchored, Type 2
 - Work Zone
 - Channelization Device
 - Construction Sign
 - Construction Warning Light, Type A
 - Portable Signal
 - Direction Of Traffic
 - Line, Remove
 - Barricade III-A



Advance Sign Detail
N.T.S.
Sign Detail shown for Northbound Direction. Signs reversed for Southbound Direction.

Construction Sign Schedule, Phase 2				
Sign No.	Description	Size (IN.)	Type	Est. Qty
XW2-6	Penalty Sign	60 x 36	A	2
XW20-1	Road Construction Ahead	48 x 48	A	2
XW20-4	One Lane Road Ahead	48 x 48	A	2
XW13-1A	Advisory Speed (45)	24 x 24	B	2
W3-4	Be Prepared to Stop	48 x 48	A	2
W3-3	Signal Ahead	48 x 48	A	2
R4-1	Do Not Pass	24 x 30	B	2
R10-6	Stop Here on Red	24 x 36	B	2
XG20-2	End Construction	60 x 36	A	2
R2-1	Speed Limit (55)	30 x 36	B	2
Total Phase 2, Construction Sign, Type A				12
Total Phase 2, Construction Sign, Type B				8

Item	Units	Total
Temporary Pavement Marking, Removeable, 4 IN.	LFT	940
Temporary Transverse Pavement Marking, Removeable, 24 IN.	LFT	24
Maintaining Traffic	LS	1
Barricade, III-A	LFT	144
Temporary Traffic Barrier, Anchored, Type 2	LFT	410
Portable Signal	LS	1
Line, Remove	LFT	405

Posted design speed = 55 m.p.h.
Construction design speed = 45 m.p.h.
Construction clear zone = 16 feet.

- NOTES:**
- One lane of traffic shall be maintained in each direction throughout the duration of the project with the use of portable signals. See Str. No. 6 RSP 801-T-212 for portable signal timing.
 - Access to all drives must be maintained during all phases of construction.
 - All Maintenance of Traffic Devices, signs, and pavement markings shall conform to the latest edition of the Indiana MUTCD.

Date: Jul 20, 2022, 4:39pm User Name: EBritten File: X:\Production\Files\2020\1120-2026\PRJ-02\Departments\HY(CAD)\MOT\MOT - CLV-027-038-57.06 Phase 2.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____

DESIGNED: _____ SCS _____ DRAWN: _____ SCS _____

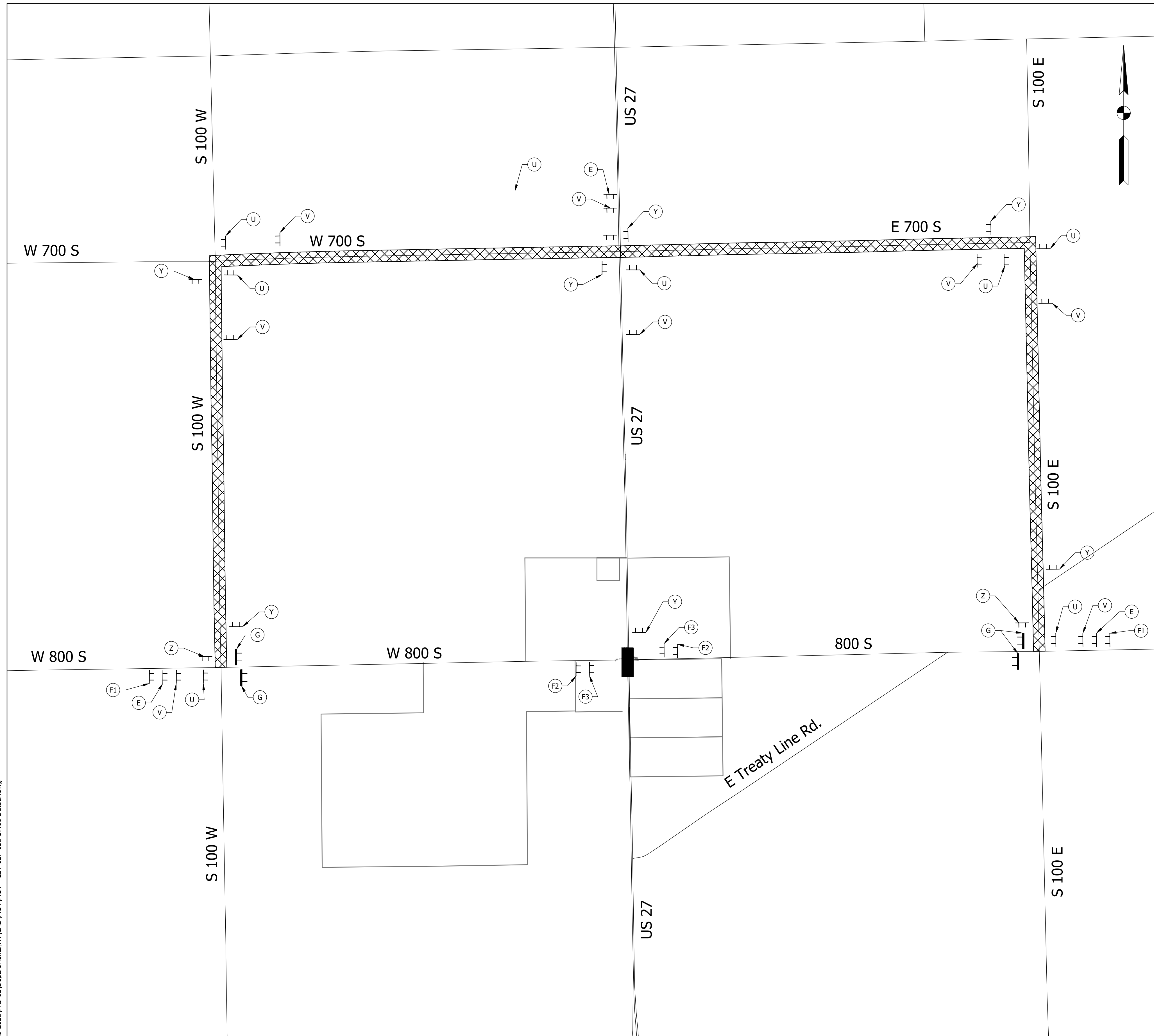
CHECKED: _____ AJK _____ CHECKED: _____ AJK _____

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC STR. NO. 6 (CLV-027-038-57.06) - PHASE 2

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEET
ELECTRONIC	27 of 102
CONTRACT	PROJECT
R-43491	1902734

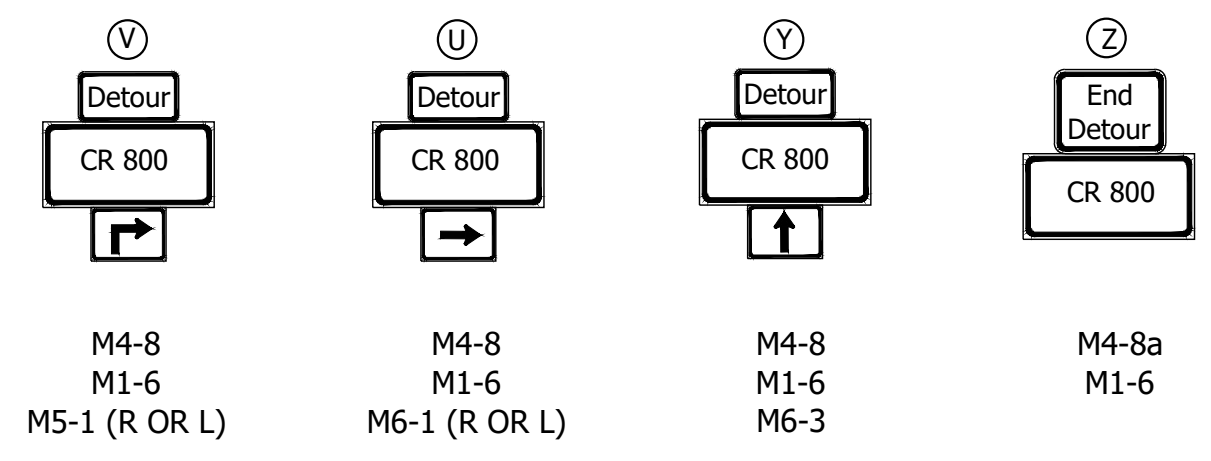
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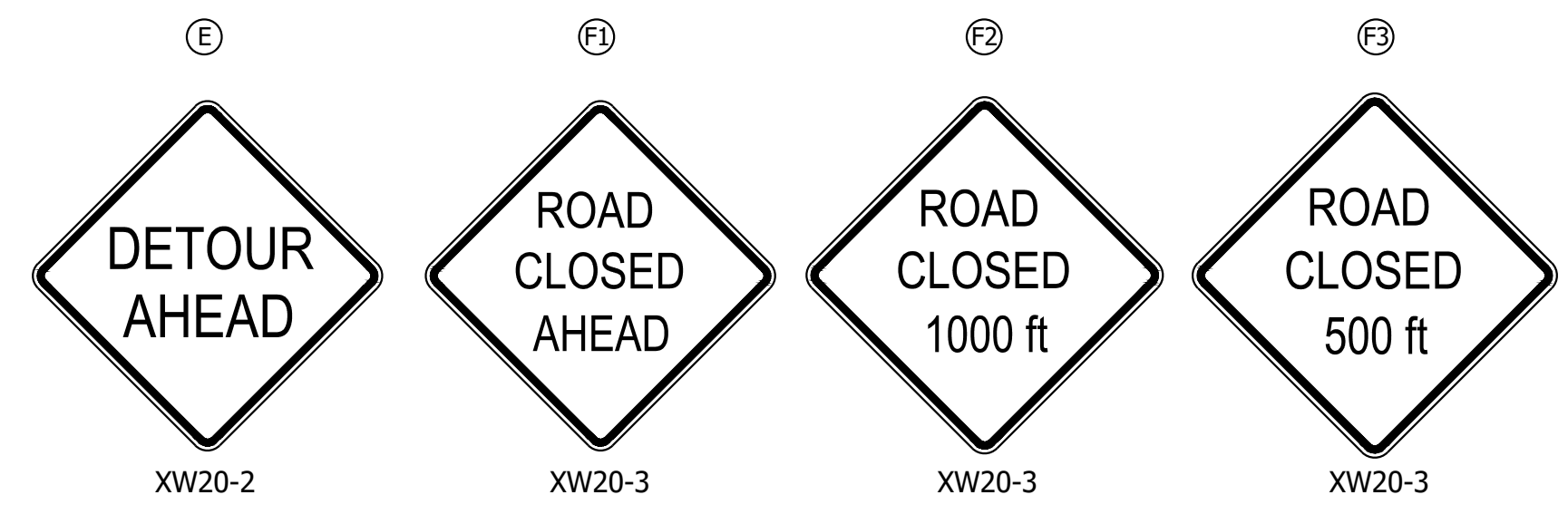
CONSTRUCTION SIGN SCHEDULE				
SIGN NO.	DESCRIPTION	SIZE (IN)	TYPE	QUANTITY
XM20-2	"DETOUR AHEAD" SIGN	48 x 48	A	2
XM20-3	"ROAD CLOSED" SIGN	48 x 48	A	6
			TOTAL TYPE "A" SIGNS	8

Detour Route Marker Assemblies: 25 Each
 Road Closure Sign Assemblies: 2 Each
 Type III-B Barricades: 48 Lft.

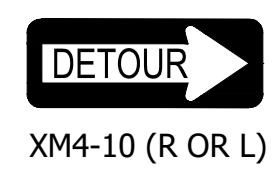
LEGEND



DETOUR ROUTE MARKER ASSEMBLIES



CONSTRUCTION SIGN, TYPE A



ROAD CLOSURE SIGN ASSEMBLIES

- TT CONSTRUCTION SIGN
- TT BARRICADE, TYPE III-A
- TT BARRICADE, TYPE III-B
- CONSTRUCTION ZONE
- ▨ DETOUR ROUTE

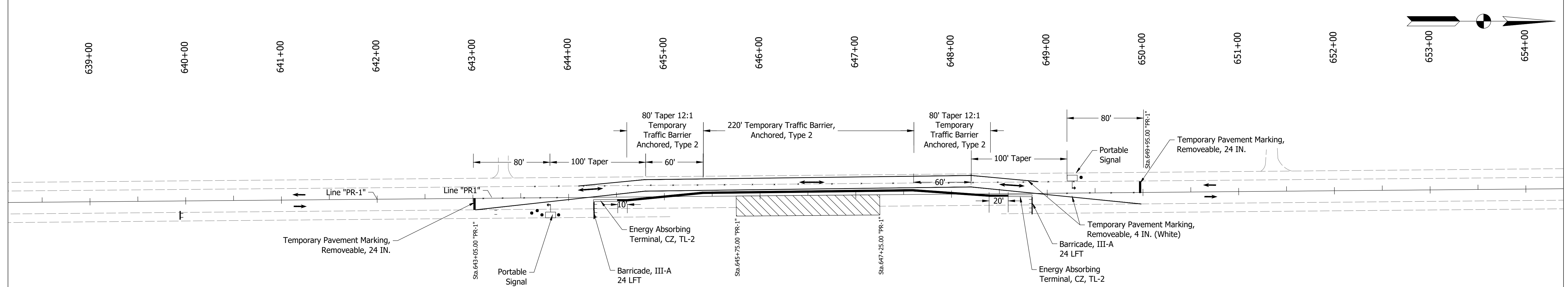
GENERAL NOTES

- All maintenance of traffic devices, signs and pavement markings shall conform to the latest edition of the Indiana MUTCD.
- See INDOT Std. Drwg. 801-TCDD-01 for sign spacing requirements and additional notes.
- See INDOT Std. Drwg. 801-TCLG-01 for standard notes.
- Type B construction warning lights shall be used with all signs located on barricades. Type A construction warning lights shall be used on all other construction signs.

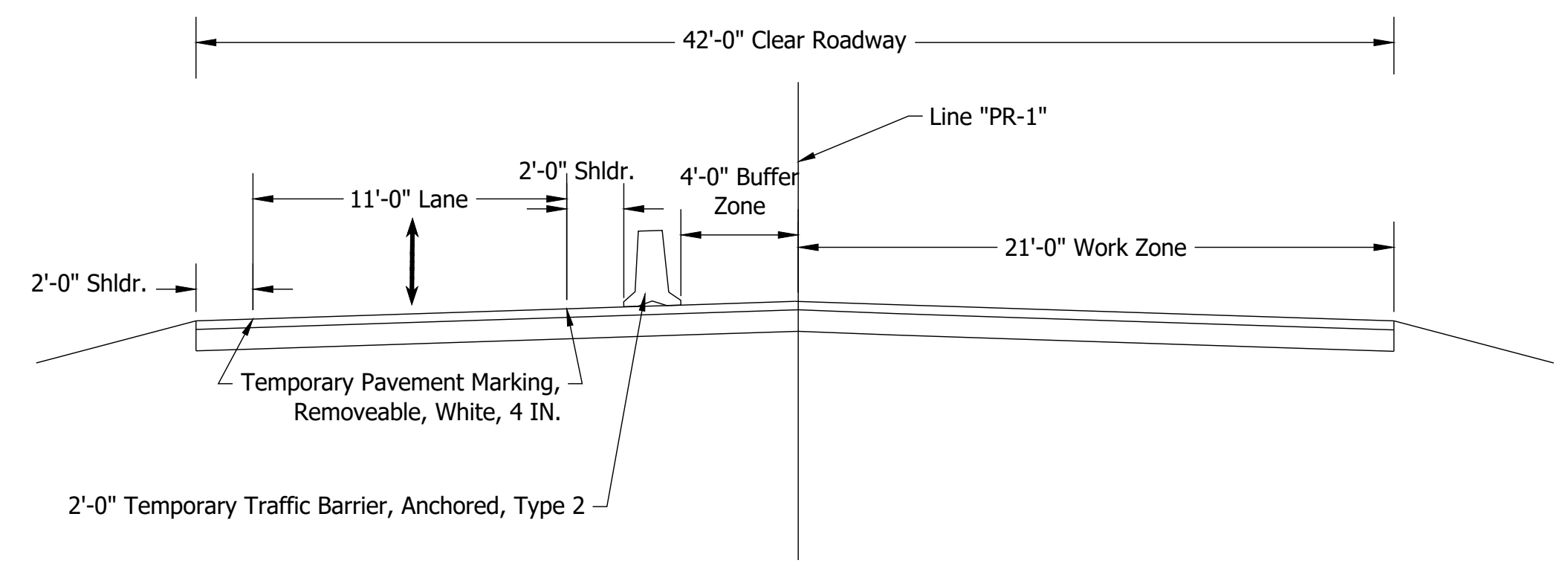
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SCS _____	DRAWN: _____ SCS _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

INDIANA DEPARTMENT OF TRANSPORTATION
 MAINTENANCE OF TRAFFIC STR. NO. 6 (CLV-027-038-57.06)
 LOCAL DETOUR ROUTE

HORIZONTAL SCALE	BRIDGE FILE
1"=700'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	28 of 102
CONTRACT	PROJECT
R-43491	1902734



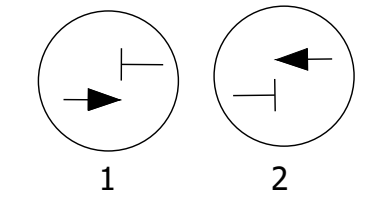
PLAN - PHASE 1
Work Area in Northbound Lane
Scale: 1"=50'



Typical Section - Phase 1
Scale: 1"=5'

- LEGEND**
- Temporary Traffic Barrier, Anchored, Type 2
 - Work Zone
 - Channelization Device
 - Construction Sign
 - Construction Warning Light, Type A
 - Portable Signal
 - Direction Of Traffic
 - Line, Remove
 - Barricade III-A

SIGNAL PHASING DIAGRAM



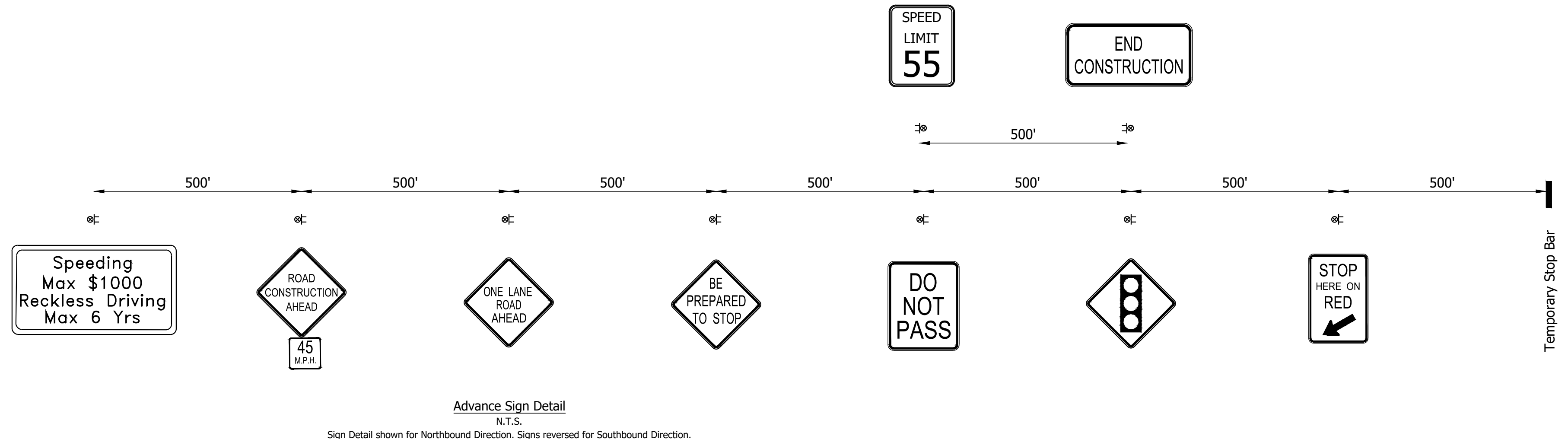
Construction Sign Schedule, Phase 1

Sign No.	Description	Size (IN.)	Type	Est. Qty
XW2-6	Penalty Sign	60 x 36	A	2
XW20-1	Road Construction Ahead	48 x 48	A	2
XW20-4	One Lane Road Ahead	48 x 48	A	2
XW13-1A	Advisory Speed (45)	24 x 24	B	2
W3-4	Be Prepared to Stop	48 x 48	A	2
W3-3	Signal Ahead	48 x 48	A	2
R4-1	Do Not Pass	24 x 30	B	2
R10-6	Stop Here on Red	24 x 36	B	2
XG20-2	End Construction	60 x 36	A	2
R2-1	Speed Limit (55)	30 x 36	B	2
Total Phase 1, Construction Sign, Type A				12
Total Phase 1, Construction Sign, Type B				8

Item	Units	Total
Temporary Pavement Marking, Removeable, 4 IN.	LFT	1180
Temporary Transverse Pavement Marking, Removeable, 24 IN.	LFT	24
Maintaining Traffic	LS	1
Barricade, III-A	LFT	48
Temporary Traffic Barrier, Anchored, Type 2	LFT	410
Portable Signal	LS	1
Line, Remove	LFT	590

Posted design speed = 55 m.p.h.
Construction design speed = 45 m.p.h.
Construction clear zone = 16 feet.

- NOTES:**
- One lane of traffic shall be maintained in each direction throughout the duration of the project, with the use of portable signals. See Str. No. 7 RSP 801-T-212 for portable signal timing.
 - Access to all drives must be maintained during all phases of construction.
 - All Maintenance of Traffic Devices, signs, and pavement markings shall conform to the latest edition of the Indiana MUTCD.



Advance Sign Detail
N.T.S.

Sign Detail shown for Northbound Direction. Signs reversed for Southbound Direction.

Date: Jul 20, 2022, 12:09pm User Name: BBritton File: X:\Production\Files\2020\1120-2028\PROJ-02\Departments\HY(CAD)\MOT\MOT - CLV-027-038-61.28 Phase 1.dwg

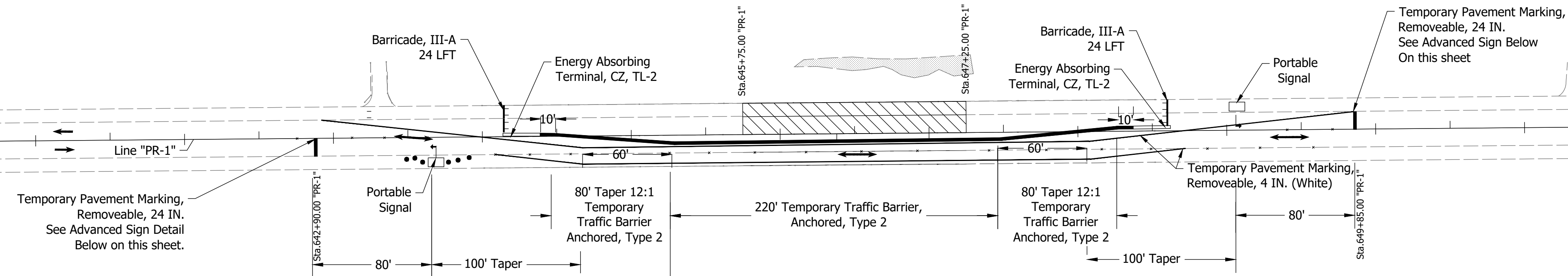
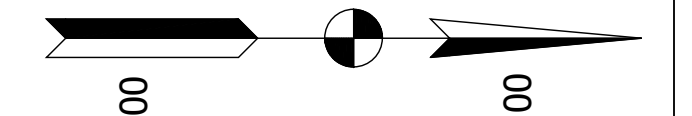
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SCS	DRAWN: _____ SCS	
CHECKED: _____ AJK	CHECKED: _____ AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

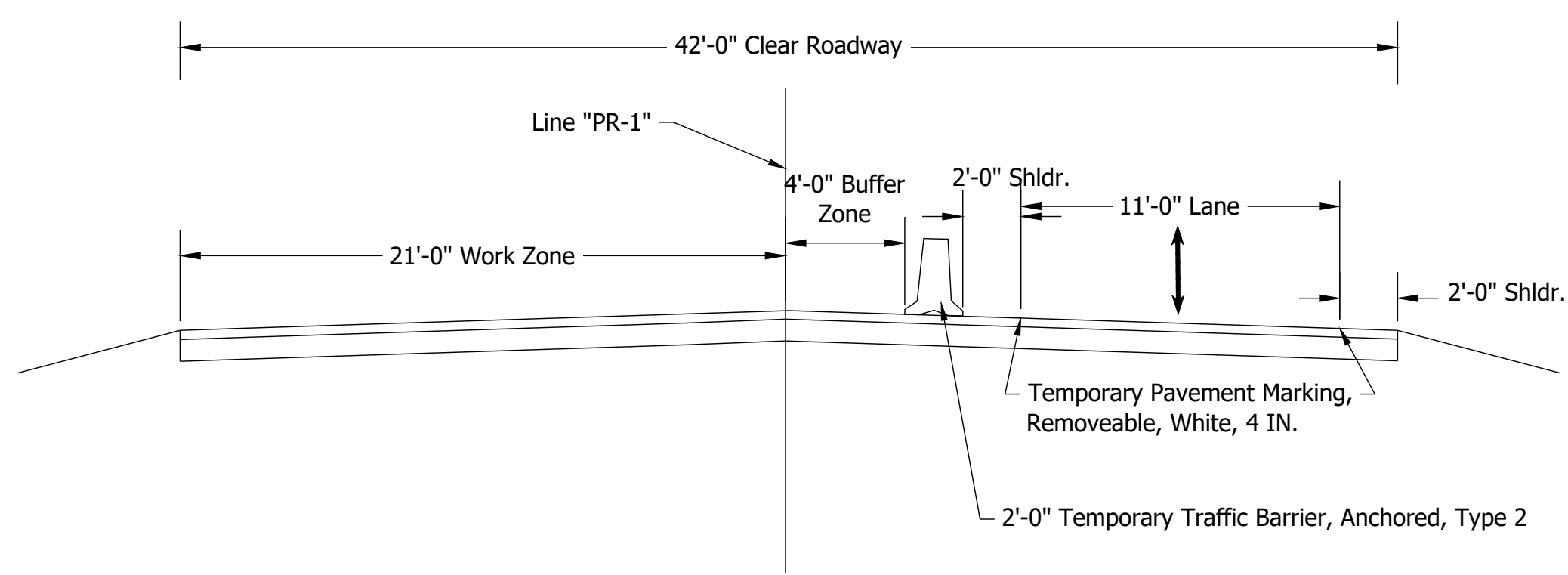
MAINTENANCE OF TRAFFIC STR. NO. 7 (CLV-027-038-61.28) - PHASE 1

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEET
ELECTRONIC	29 of 102
CONTRACT	PROJECT
R-43491	1902734

639+00 640+00 641+00 642+00 643+00 644+00 645+00 646+00 647+00 648+00 649+00 650+00 651+00 652+00 653+00 654+00

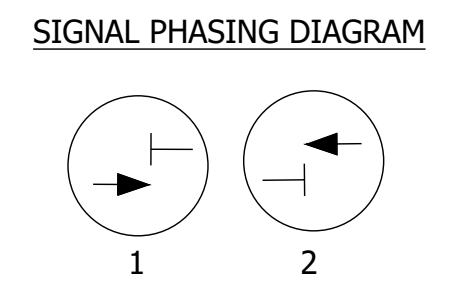


PLAN - PHASE 2
Work Area in Southbound Lane
Scale: 1"=50'



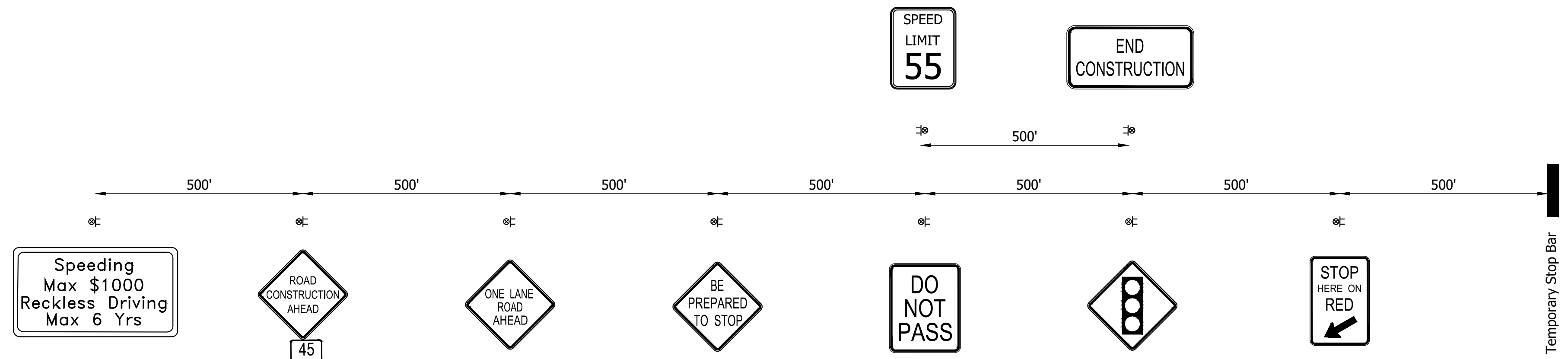
Typical Section - Phase 2
Scale: 1"=5'

- LEGEND**
- Temporary Traffic Barrier, Anchored, Type 2
 - Work Zone
 - Channelization Device
 - Construction Sign
 - Construction Warning Light, Type A
 - Portable Signal
 - Direction Of Traffic
 - Line, Remove
 - Barricade III-A



Construction Sign Schedule, Phase 2				
Sign No.	Description	Size (IN.)	Type	Est. Qty
XW2-6	Penalty Sign	60 x 36	A	2
XW20-1	Road Construction Ahead	48 x 48	A	2
XW20-4	One Lane Road Ahead	48 x 48	A	2
XW13-1A	Advisory Speed (45)	24 x 24	B	2
W3-4	Be Prepared to Stop	48 x 48	A	2
W3-3	Signal Ahead	48 x 48	A	2
R4-1	Do Not Pass	24 x 30	B	2
R10-6	Stop Here on Red	24 x 36	B	2
XG20-2	End Construction	60 x 36	A	2
R2-1	Speed Limit (55)	30 x 36	B	2
Total Phase 1, Constructon Sign, Type A				12
Total Phase 1, Constructon Sign, Type B				8

Item	Units	Total
Temporary Pavement Marking, Removeable, 4 IN.	LFT	2220
Temporary Transverse Pavement Marking, Removeable, 24 IN.	LFT	24
Maintaining Traffic	LS	1
Barricade, III-A	LFT	48
Temporary Traffic Barrier, Anchored, Type 2	LFT	410
Portable Signal	LS	1
Line, Remove	LFT	530



Advance Sign Detail
N.T.S.
Sign Detail shown for Northbound Direction. Signs reversed for Southbound Direction.

Posted design speed = 55 m.p.h.
Construction design speed = 45 m.p.h.
Construction clear zone = 16 feet.

- NOTES:**
- One lane of traffic shall be maintained in each direction throughout the duration of the project with the use of portable signals. See Str. No. 7 RSP 801-T-212 for portable signal timing.
 - Access to all drives must be maintained during all phases of construction.
 - All Maintenance of Traffic Devices, signs, and pavement markings shall conform to the latest edition of the Indiana MUTCD.

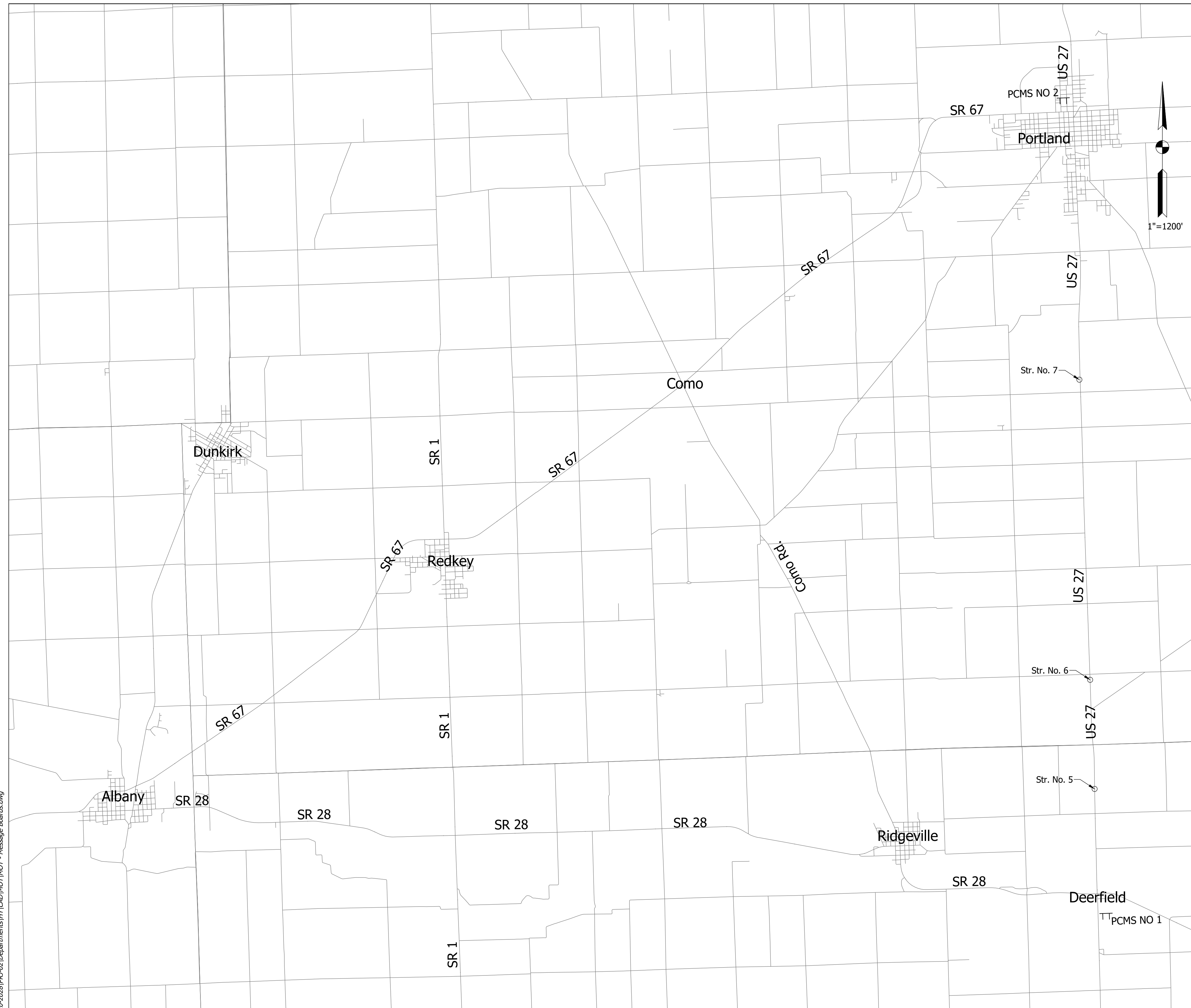
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SCS _____	DRAWN: _____ SCS _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC STR. NO. 7 (CLV-027-038-61.28) - PHASE 2

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEET
ELECTRONIC	30 of 102
CONTRACT	PROJECT
R-43491	1902734



PCMS NO 1
PIPE WORK
1.2 MILES

STR. NO. 5
 PCMS NO 2
PIPE WORK
9.7 MILES

PCMS NO 1
PIPE WORK
3.1 MILES

STR. NO. 5
 PCMS NO 2
PIPE WORK
8.2 MILES

PCMS NO 1
PIPE WORK
7.5 MILES

STR. NO. 5
 PCMS NO 2
PIPE WORK
3.9 MILES

- NOTES:
 1. PCMS shall be placed at location shown on the plans while work is going on at Str. 5, 6 and 7.
 2. All Maintenance of Traffic Devices, signs, and pavement markings shall conform to the latest edition of the Indiana MUTCD.

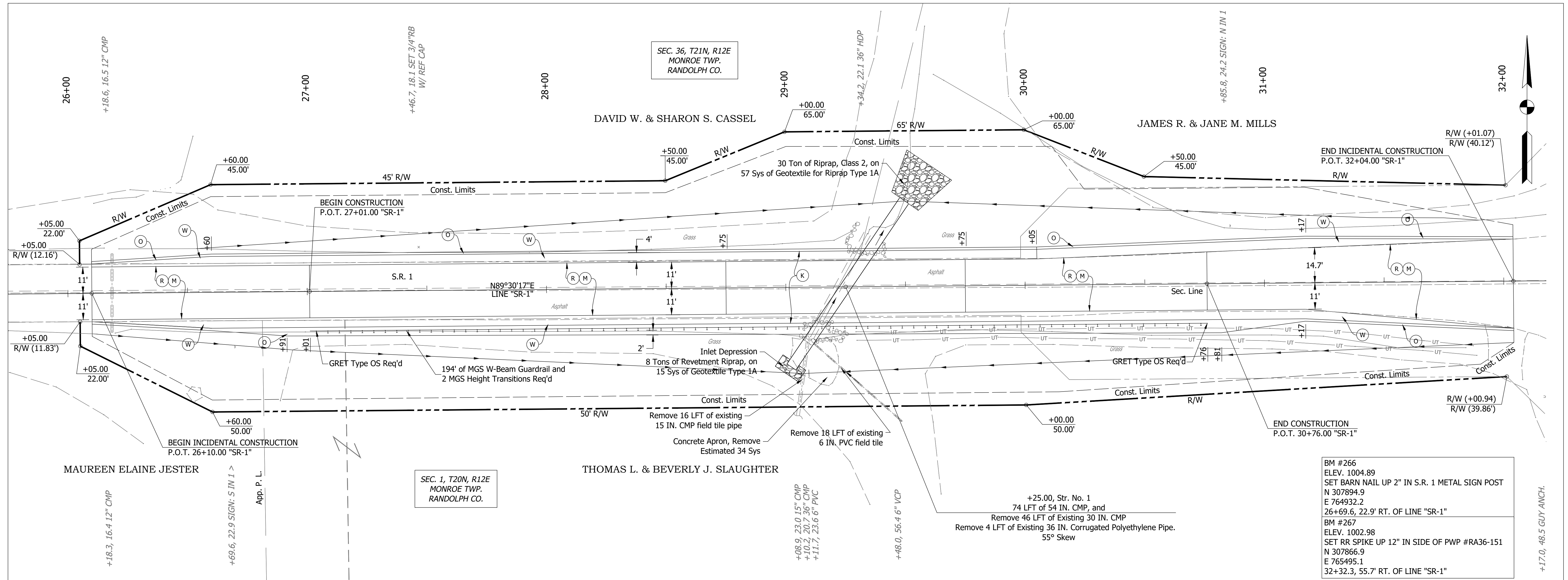
Date: Jul 20, 2022, 12:10pm User Name: BBritten
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: SMF	
CHECKED: AJK	CHECKED: AJK	

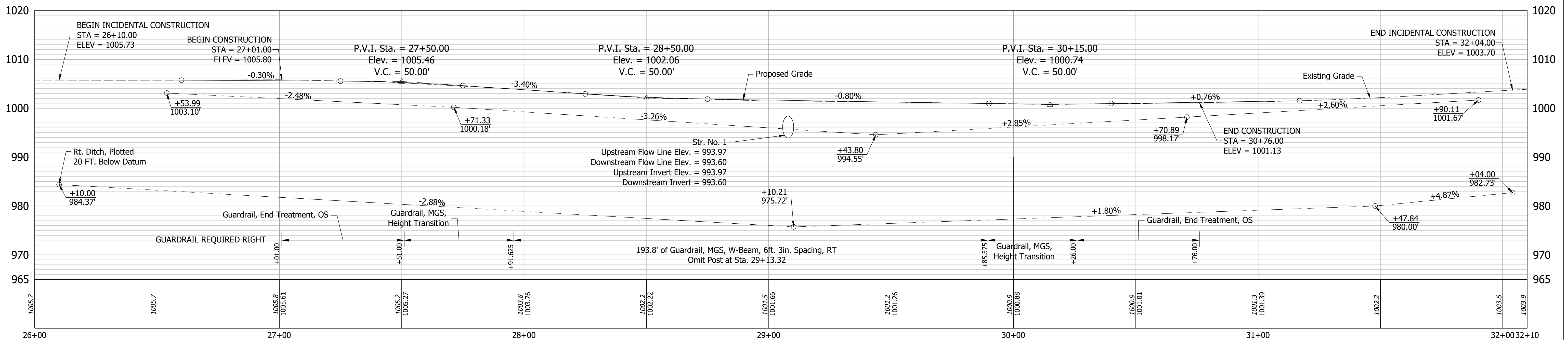
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC DETAILS
PORTABLE CHANGEABLE MESSAGE SIGNS

HORIZONTAL SCALE	BRIDGE FILE
1" = 1200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	31 of 102
CONTRACT	PROJECT
R-43491	1902734



BM #266 ELEV. 1004.89 SET BARN NAIL UP 2" IN S.R. 1 METAL SIGN POST N 307894.9 E 764932.2 26+69.6, 22.9' RT. OF LINE "SR-1"
BM #267 ELEV. 1002.98 SET RR SPIKE UP 12" IN SIDE OF PWP #RA36-151 N 307866.9 E 765495.1 32+32.3, 55.7' RT. OF LINE "SR-1"



- (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, on Subgrade Treatment, Type IVA, on Geotextile for Pavement, Type 2B
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm
- (O) Variable Depth Compacted Aggregate No. 53
- (W) Widening With HMA, Type B
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, on Subgrade Treatment, Type IVA

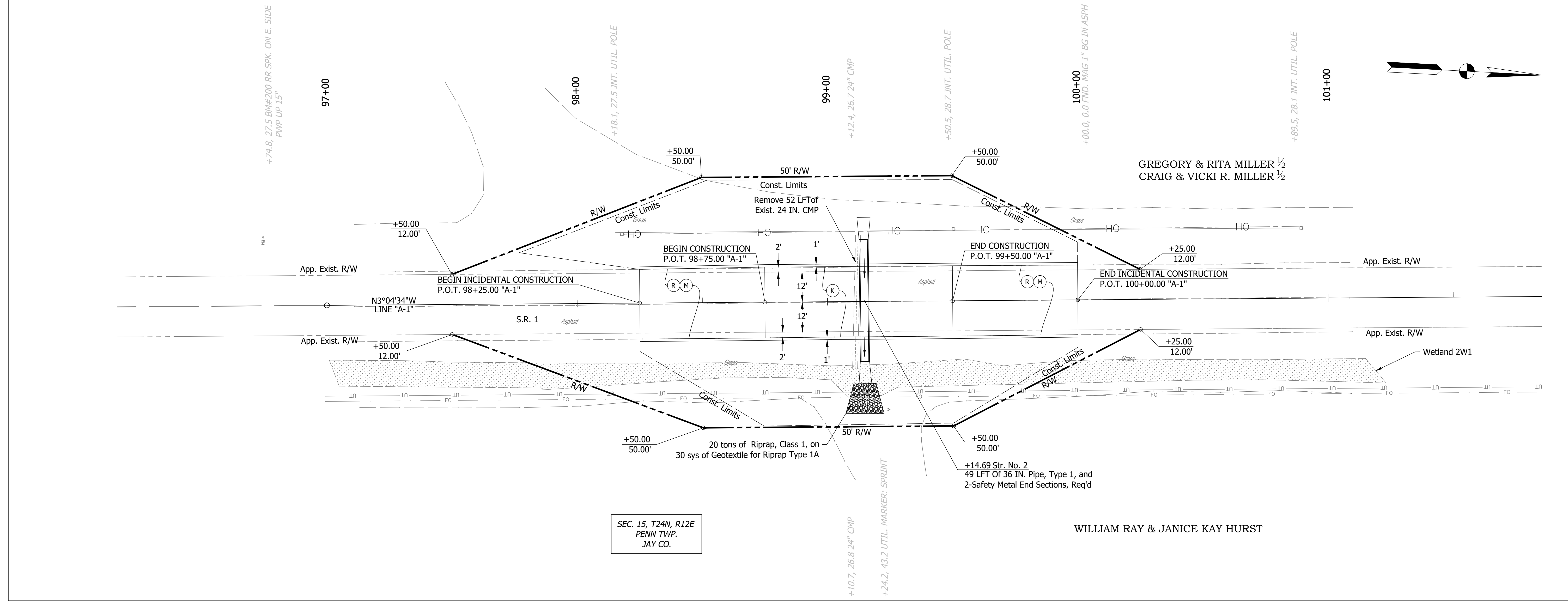
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: SMF	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE - LINE "SR-1"
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1

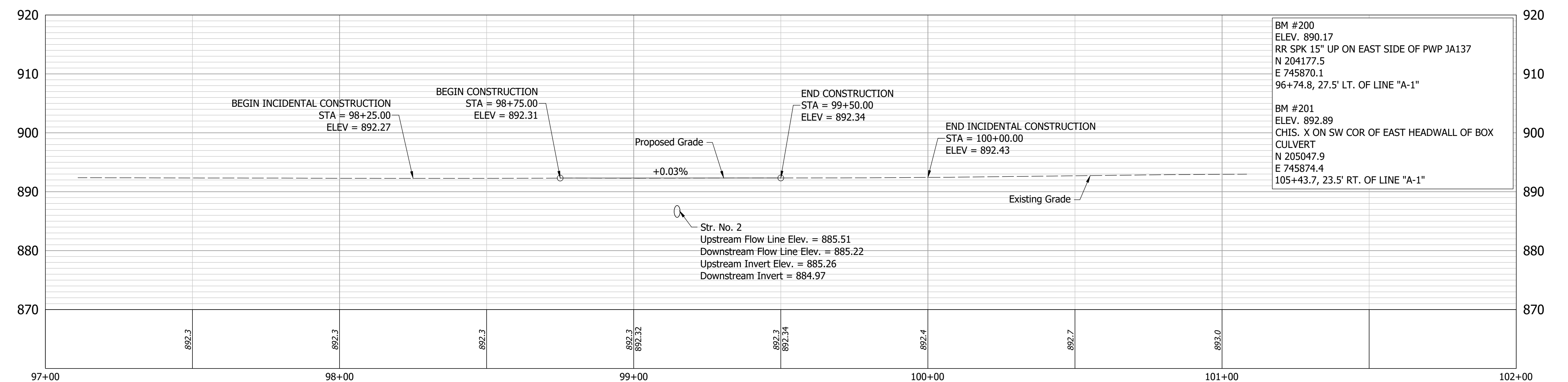
HORIZONTAL SCALE 1"=20'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 32 of 102
CONTRACT R-43491	PROJECT 1902734

Date: Jul 20, 2022, 12:10pm User Name: BBritton File: X:\Production\Files\2020\120-2028\PRO-02\Departments\HY\CAD\88\88\88\CLV-001-068-87.96.dwg



SEC. 15, T24N, R12E
PENN TWP.
JAY CO.

WILLIAM RAY & JANICE KAY HURST



BM #200
ELEV. 890.17
RR SPK 15" UP ON EAST SIDE OF PWP JA137
N 204177.5
E 745870.1
96+74.8, 27.5' LT. OF LINE "A-1"

BM #201
ELEV. 892.89
CHIS. X ON SW COR OF EAST HEADWALL OF BOX
CULVERT
N 205047.9
E 745874.4
105+43.7, 23.5' RT. OF LINE "A-1"

Date: Jul 20, 2022, 12:10pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PROJ-02\Departments\HY\ICAD\PROJ\APP CLV-001-038-110.71.dwg

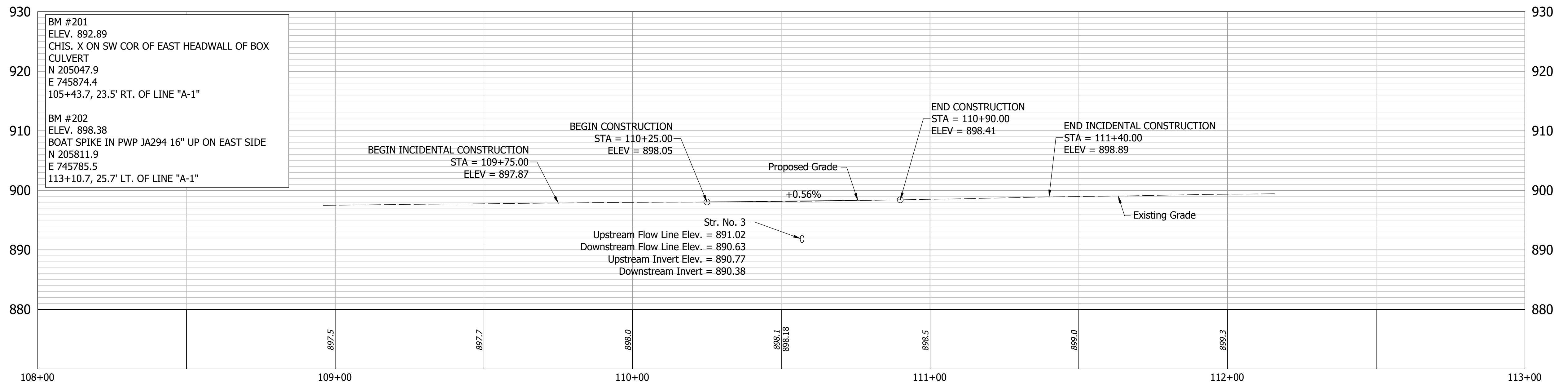
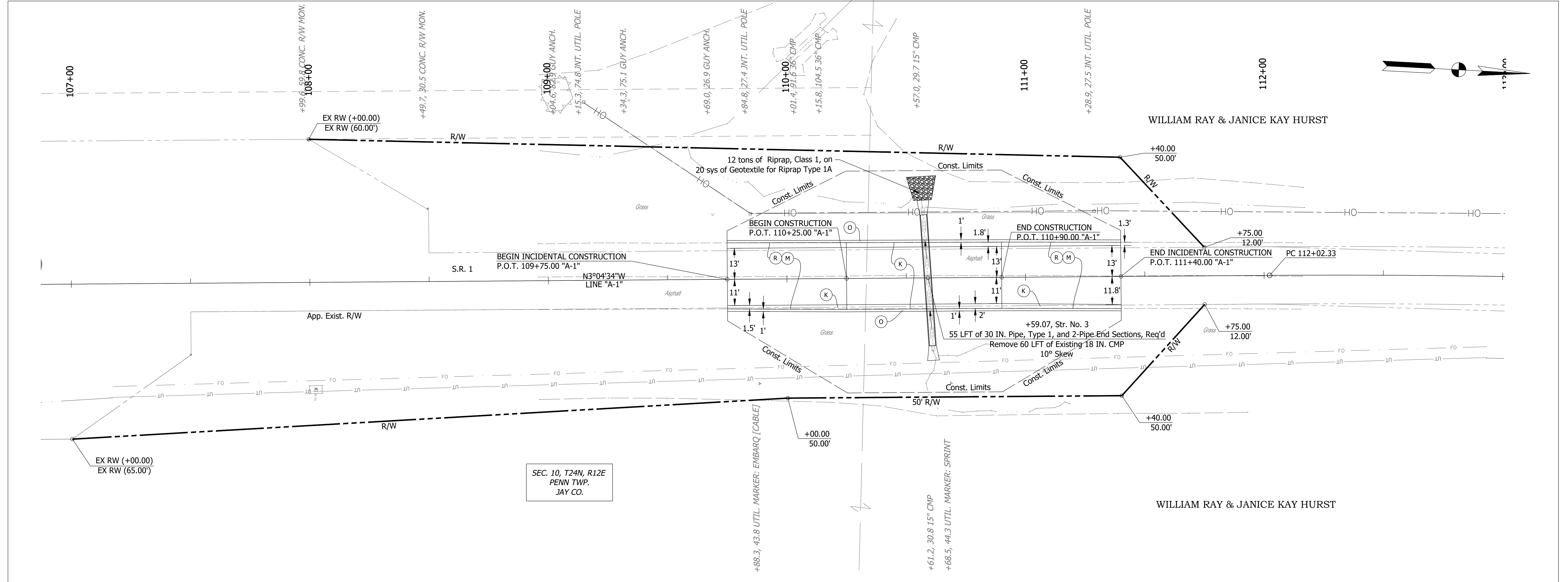
- (K) 165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm, on 275 lb/syd QC/QA-HMA, 3, 64, Intermediate, 19.0 mm, on 660 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm, on Subgrade Treatment, Type 1C, on Geotextile for Pavement, Type 2B
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm
- (O) Variable Depth Compacted Aggregate No. 53

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: SMF	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - LINE "A-1"
STR. NO. 2 (CLV-001-038-110.71) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	33 of 102
CONTRACT	PROJECT
R-43491	1902734



- (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, on Subgrade Treatment, Type 1C, on Geotextile for Pavement, Type 2B
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm
- (O) Variable Depth Compacted Aggregate No. 53

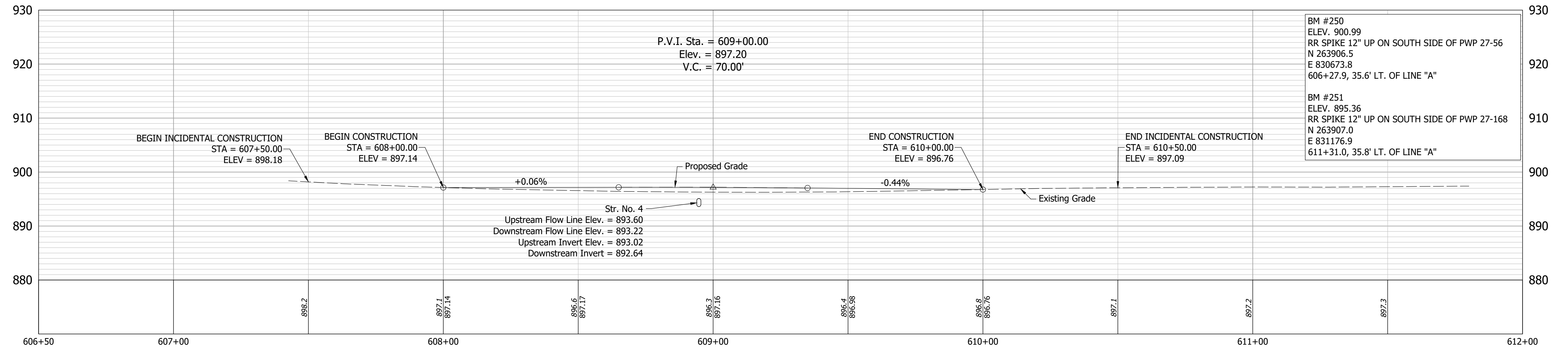
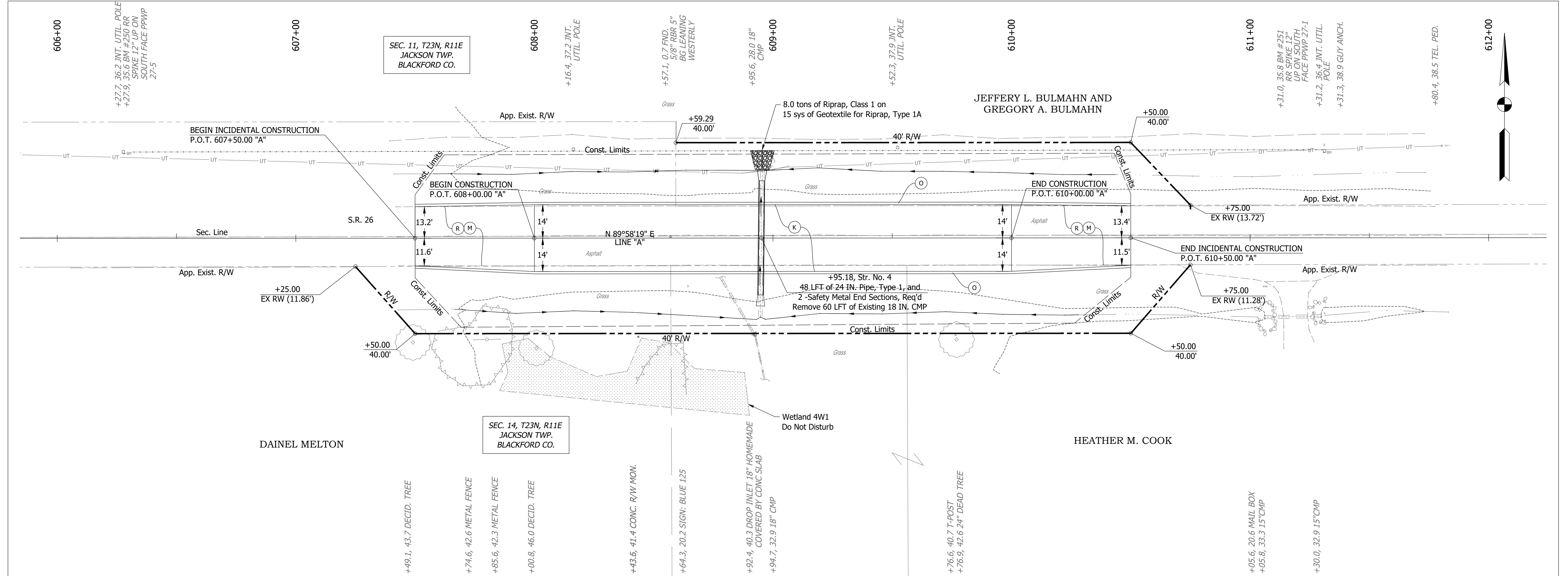
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: SMF	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - LINE "A-1"
STR. NO. 3 (CLV-001-038-110.93) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	34 of 102
CONTRACT	PROJECT
R-43491	1902734

Date: Jul 20, 2022, 12:10pm User Name: BBritten File: X:\Production\Files\2020\120-0228\PRD-02\Departments\HY\CAD\PRD\PRP CLV-001-038-110.93.dwg



- (K) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 660 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm, on Subgrade Treatment, Type IC, on Geotextile for Pavement, Type 2B
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm
- (O) Variable Depth Compacted Aggregate No. 53

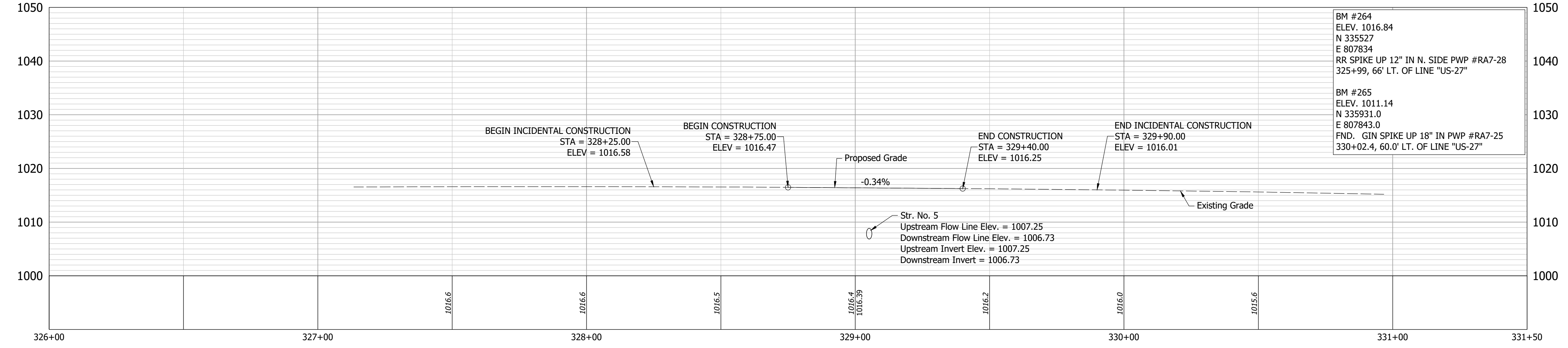
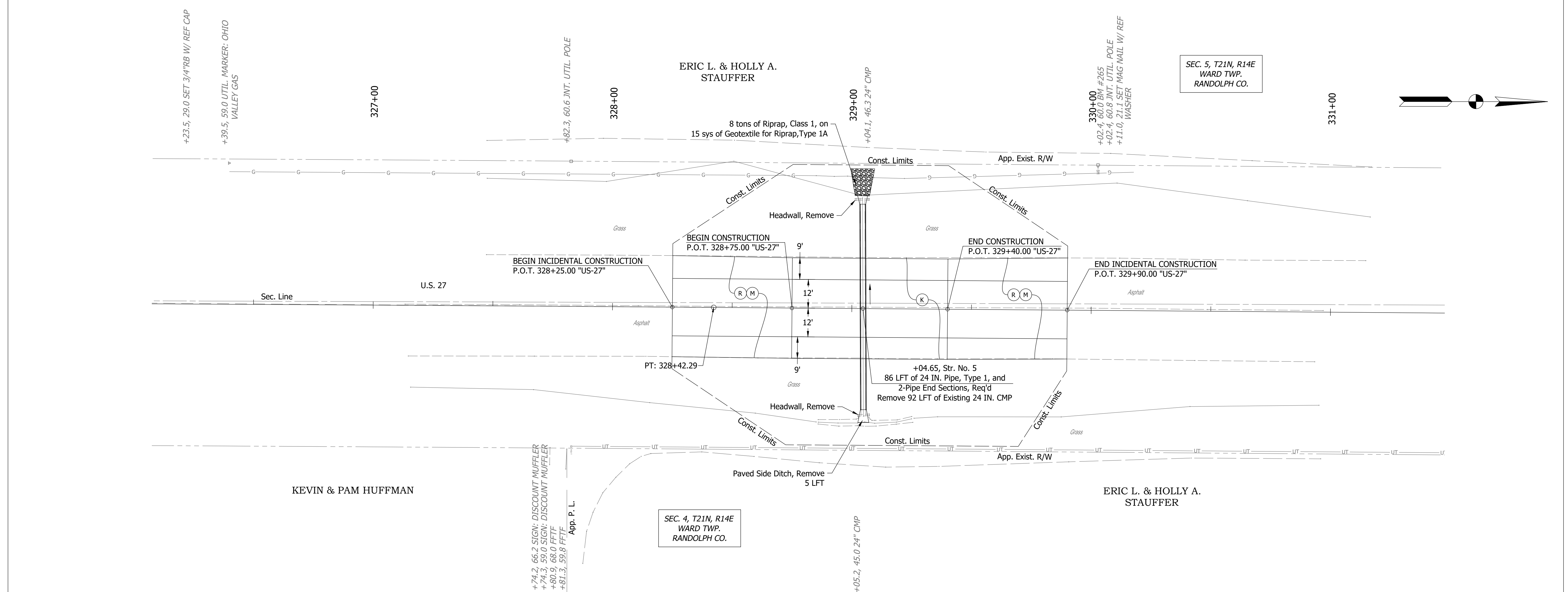
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: SMF	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE - LINE "A"
STR. NO. 4 (CLV-026-005-125.01) - S.R 26

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	35 of 102
CONTRACT	PROJECT
R-43491	1902734

Date: Jul 20, 2022, 12:11pm User Name: BBritten File: X:\Production\Files\2020\120-0228\PROJ-02\Departments\HY(CAD)\R&P\CLV-026-005-125.01.dwg



- (K) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 880 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm, on Subgrade Treatment, Type 1C, on Geotextile for Pavement, Type 2B
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm
- (D) Variable Depth Compacted Aggregate No. 53

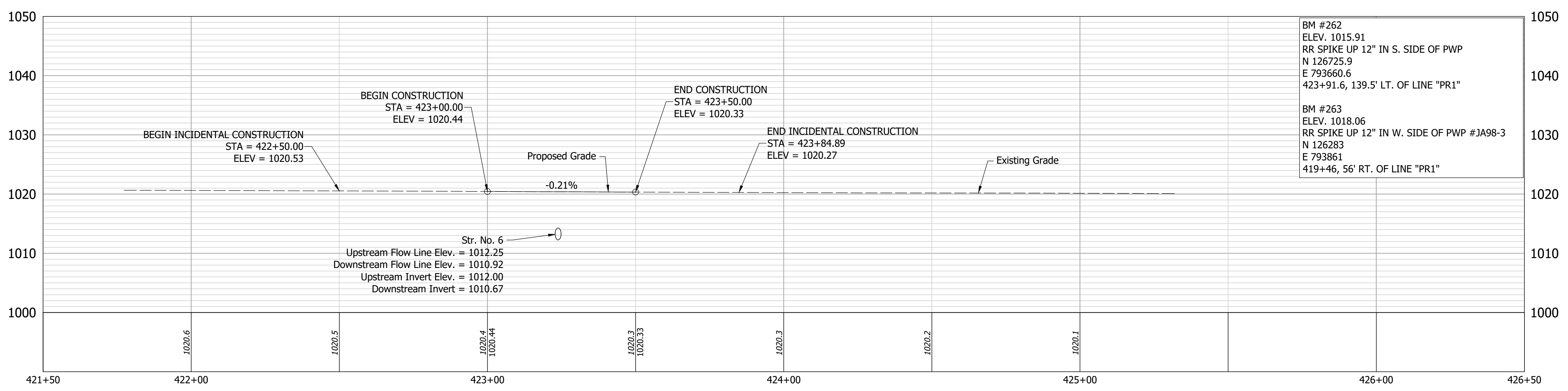
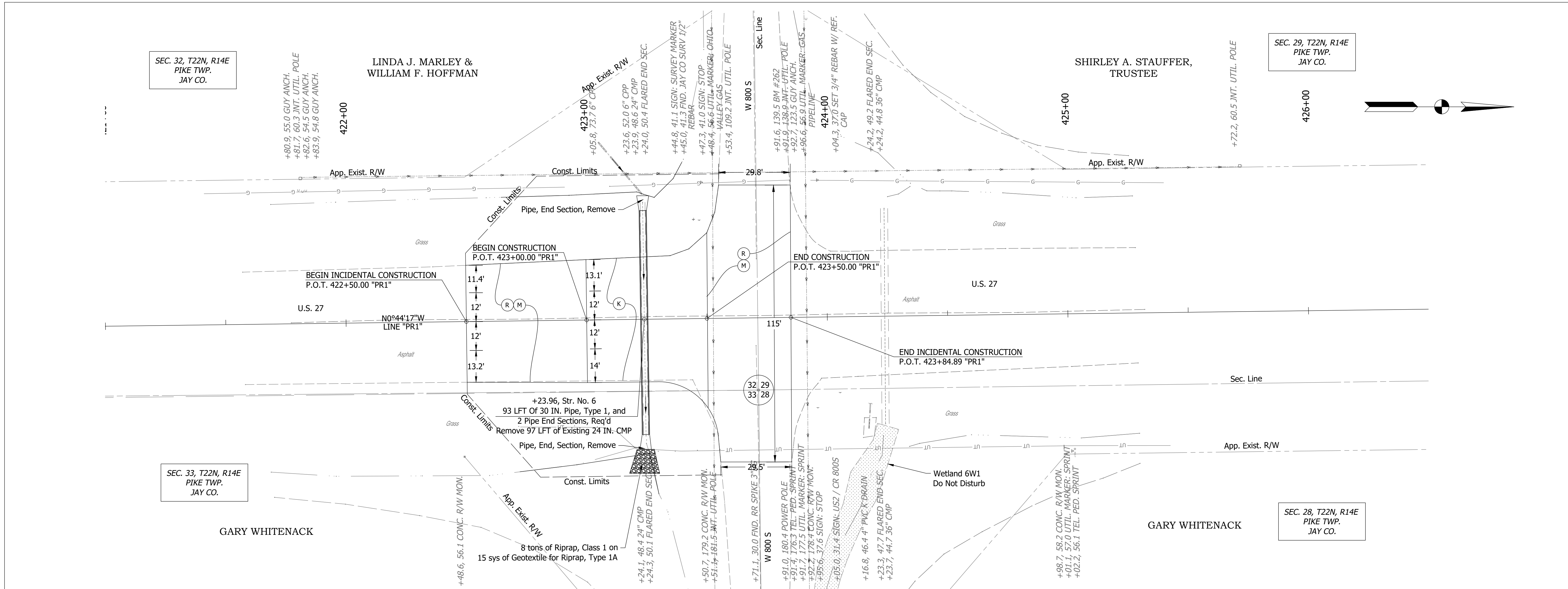
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: SMF	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

**PLAN AND PROFILE - LINE "US 27"
STR. NO. 5 (CLV-027-068-55.25) - U.S. 27**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	36 of 102
CONTRACT	PROJECT
R-43491	1902734

Date: Jul 20, 2022, 12:11pm User Name: BBritten
File: X:\Production\Files\2020\120-4028\PRJ-02\Departments\HY\CAD\PRJ\PRJ CLV-027-068-55.25.dwg



BM #262
 ELEV. 1015.91
 RR SPIKE UP 12" IN S. SIDE OF PWP
 N 126725.9
 E 793660.6
 423+91.6, 139.5' LT. OF LINE "PR1"

 BM #263
 ELEV. 1018.06
 RR SPIKE UP 12" IN W. SIDE OF PWP #JA98-3
 N 126283
 E 793861
 419+46, 56' RT. OF LINE "PR1"

Date: Jul 20, 2022, 12:11pm User Name: BBritton
 File: X:\Production\Files\2020\120-0228\PROJ-02\Departments\HY\CAD\88\PR1\PR1.dwg

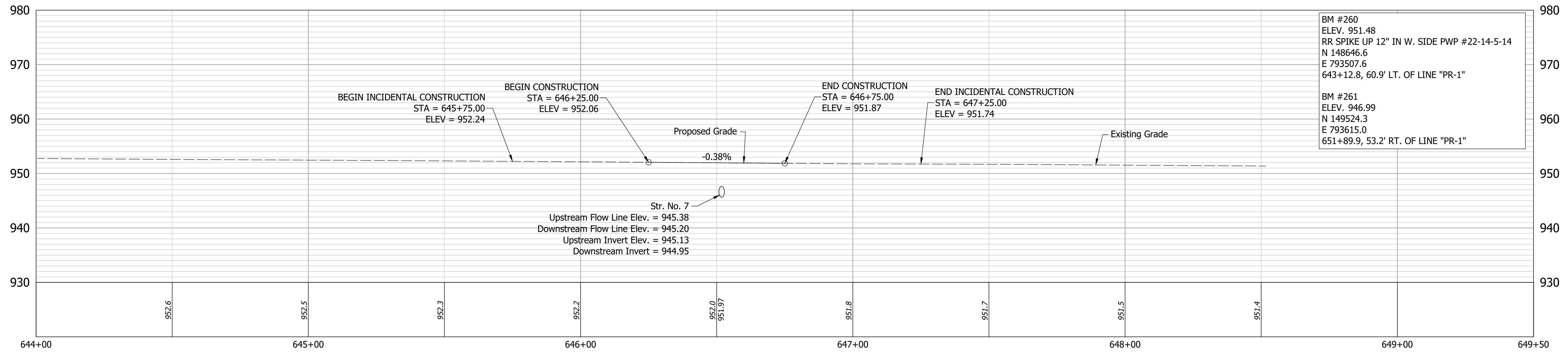
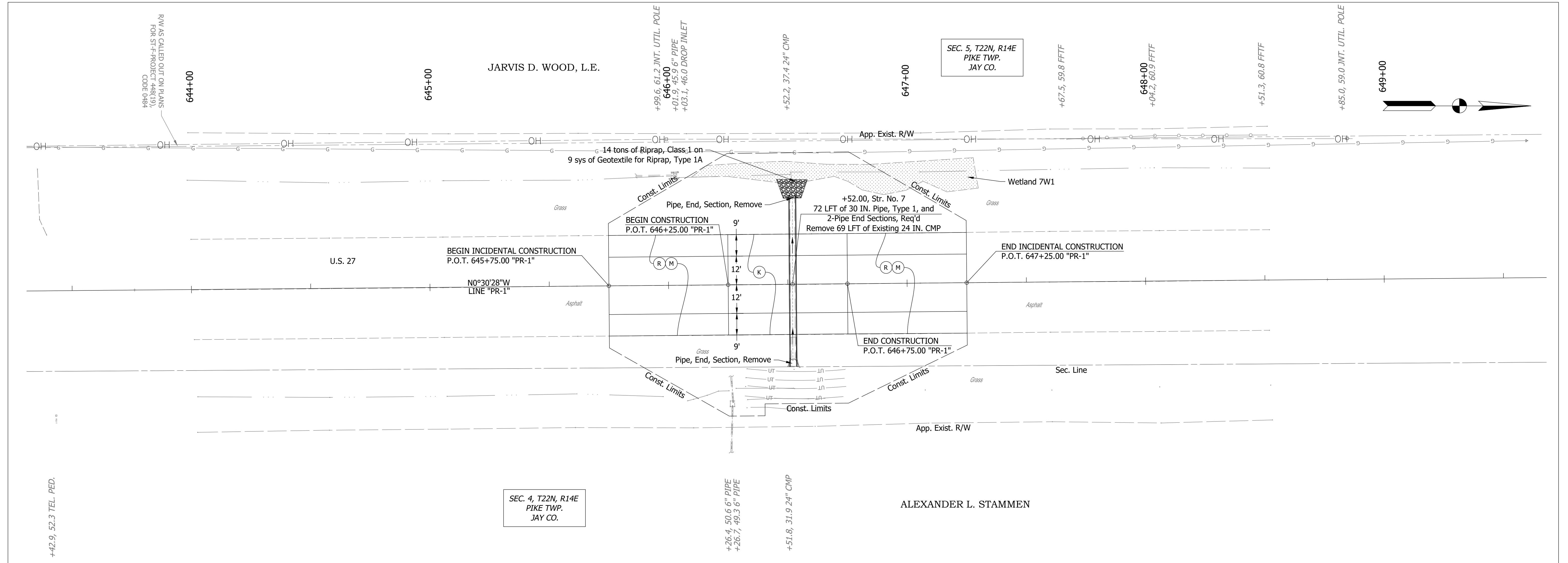
- K 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 880 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm, on Subgrade Treatment, Type IC, on Geotextile for Pavement, Type 2B
- M Milling, Transition (1.5 IN. Max)
- R 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm
- O Variable Depth Compacted Aggregate No. 53

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

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - LINE "PR1"
STR. NO. 6 (CLV-027-038-57.06) - U.S. 27

HORIZONTAL SCALE 1"=20'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 37 of 102
CONTRACT R-43491	PROJECT 1902734



BM #260
 ELEV. 951.48
 RR SPIKE UP 12" IN W. SIDE PWP #22-14-5-14
 N 148646.6
 E 793507.6
 643+12.8, 60.9' LT. OF LINE "PR-1"

BM #261
 ELEV. 946.99
 N 149524.3
 E 793615.0
 651+89.9, 53.2' RT. OF LINE "PR-1"

Date: Jul 20, 2022, 12:12pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PROJ-02\Departments\HY(CAD)\R&P\APP CLV-027-038-61-28.dwg

- (K) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 lb/syd QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 880 lb/syd QC/QA-HMA, 3, 64, Base, 25.0 mm, on Subgrade Treatment, Type IC, on Geotextile for Pavement, Type 2B
- (M) Milling, Transition (1.5 IN. Max)
- (R) 165 lb/syd QC/QA-HMA, 3, 70, Surface, 9.5 mm
- (O) Variable Depth Compacted Aggregate No. 53

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: SMF	
CHECKED: AJK	CHECKED: AJK	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - LINE "PR-1" STR. NO. 7 (CLV-027-038-61.28) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	38 of 102
CONTRACT	PROJECT
R-43491	1902734

NATURE & PURPOSE OF CONSTRUCTION ACTIVITY

- A-1** Index showing locations of required Plan Elements.
Sheet 39 (This Sheet)
- A-2** Vicinity map depicting site location in relationship to local landmarks, towns, and major roads
Sheet 1
- A-3** Narrative describing the nature and purpose of the project.
The purpose of this project is to multiple culverts/structures in Blackford, Jay, and Randolph Counties, IN.
- A-4** Project location latitude and longitude.
 - Structure 1: *CV-001-068-87.96*
 - Lat: 40.220983°N Long: -85.129569°W
 - Structure 2: *CV-001-038-110.71*
 - Lat: 40.536799°N Long: -85.149355°W
 - Structure 3: *CV-001-038-110.93*
 - Lat: 40.539952°N Long: -85.149592°W
 - Structure 4: *CV-026-005-125.01*
 - Lat: 40.449999°N Long: -85.243563°W
 - Structure 5: *CV-027-068-55.25*
 - Lat: 40.297614°N Long: -84.976508°W
 - Structure 6: *CV-027-038-57.06*
 - Lat: 40.323476°N Long: -84.977044°W
 - Structure 7: *CV-027-038-61.28*
 - Lat: 40.384735°N Long: -84.977861°W
- A-5** Legal Description of the Project Site
Specifically, the project site is located in:
 - Structure 1: *CV-001-068-87.96*
 - Indiana, Randolph County, Monroe Township, Farmland USGS Quadrangle
 - Section 1, T20N, R12E/Section 36, T21N, R12E/ Section 6, T20N, R13E/ Section 31, T21N, R13E
 - Structure 2: *CV-001-038-110.71* & Structure 3: *CV-001-038-110.93*
 - Indiana, Jay County, Penn Township, Petroleum USGS Quadrangle
 - Sections 15 & 10, T24N, R12E
 - Structure 4: *CV-026-005-125.01*
 - Indiana, Blackford County, Jackson Township, Pennville USGS Quadrangle
 - Sections 11 & 14, T23N, R11E
 - Structure 5: *CV-027-068-55.25*
 - Indiana, Randolph County, Ward Township, Deerfield USGA Quadrangle
 - Section 4 & 5, T21N, R14E
 - Structure 6: *CV-027-038-57.06*
 - Indiana, Jay County, Pike Township, Deerfield USGA Quadrangle
 - Section 28, 29, 32, & 33, T22N, R14E
 - Structure 7: *CV-027-038-61.28*
 - Indiana, Jay County, Pike Township, Portland USGS Quadrangle
 - Sections 4 & 5, T22N, R14E
- A-6** 11 X 17-inch plat showing building lot numbers/boundaries and road layout/names.
Sheets 16 - 19
- A-7** 100 year floodplains, floodways, and floodway fringes.
According to the enclosed FEMA FIRM map, there are no areas within a mapped floodway or floodplain.
- A-8** Adjacent landuse
Adjacent land is dominated by paved residential and commercial areas.
- A-9** Identification of any US EPA approved or established TMDL.
No named or identified TMDLs are located within the project watershed.
- A-10** Identification of all receiving waters.
McClain Ditch, Bush Creek
- A-11** Identification of discharges to a water on the current 303(d) list.
No waterbodies listed on the 303 (d) list are located within the project watershed.
- A-12** Soils map including soil descriptions and limitations.
Soil Map was derived from the USGS Soil Survey of Blackford, Jay & Randolph Counties, IN.
See enclosed soils map and report.
- A-13** Location and name of all wetlands, lakes and water courses on and adjacent to the site.
There are no wetlands, lakes, or jurisdictional water courses within or adjacent to the project limits.
- A-14** Notation of any State or Federal water quality permits.
Construction Stormwater General Permit (CSGP)
- A-15** Identification of existing vegetative cover, including natural buffers.
Paved roadway and mowed right-of-way shoulders.
- A-16** Existing site topography.
See Plan Sheets 32 - 38
See Cross-section Sheets 60 - 102
- A-17** Locations where run-off enters the project site.
Runoff will enter the site from adjacent agricultural fields.
- A-18** Locations where run-off discharges from the project site.
Stormwater runoff will be exit the site via the Greenfield Municipal Stormwater Sewer system.
- A-19** Location of existing stormwater systems/structures.
See Plan Sheets 32 - 38
- A-20** Existing permanent retention or detention facilities.
Greenfield Municipal Stormwater Sewer system.
- A-21** Identification of potential discharges to ground water.
There are no known areas within the project site where stormwater will be discharged to groundwater.
- A-22** Project Area
Total Acreage: 3.26 Acres
- A-23** Proposed Land Disturbance
Total Acreage: 3.26 Acres
- A-24** Proposed final topography.
See Plan Sheets 32 - 38
See Cross-section Sheets 60 - 102
- A-25** Locations and approximate boundaries of all disturbed areas.
Sheets 32 - 38 show the anticipated work areas.
Disturbance is anticipated to remain within the designated work areas.

NATURE & PURPOSE OF CONSTRUCTION ACTIVITY (Cont.)

- A-26** Locations, size, and dimensions of all stormwater drainage systems.
Plan and Profile Sheets 32 - 38 show location of the proposed stormwater system.
 - A-27** Specific points where stormwater discharge will leave the site.
The project drains into the Greenfield Municipal Storm Water Sewer system.
See Sheets 42 - 48 for these locations.
 - A-28** Locations of all proposed site improvements.
Plan and Profile Sheets 32 - 38 show location of the proposed improvements.
 - A-29** Locations of proposed soil stockpiles and/or borrow/disposal areas.
Offsite disposal of demolition debris is anticipated for this project. Waste sites shall be accepted by the Engineer prior to the start of any disposal operations. For each proposed disposal site, an IC-203 Request for Acceptance of Borrow or Disposal Site form shall be submitted to the Engineer a minimum of 14 days prior to the Contractor's planned start of disposal operations. All requests for acceptance of disposal sites shall be in accordance with INDOT Standard Specification 203.08(a).
 - A-30** Location of any construction support activities (i.e. laydown yard, concrete batch plant, staging areas, etc.).
Proposed laydown and material storage areas shall be identified by the Contractor and accepted by the Engineer prior to Contractor mobilization. Contractor shall be responsible for ensuring proper E&SC BMPs are installed around these areas to prevent sediment and chemical discharges into adjacent properties, water resources or stormwater systems.
 - A-31** Location of any in-stream activities.
Installation of Structure 1 will require work within UNT to Bush Creek, Sheet 42.
Installation of Structure 3 will require work within UNT 1 to McClain Ditch, Sheet 44.
Installation of Structure 6 will require work within UNT to Goshen Creek, Sheet 47.
- Assessment of Stormwater Pollution Prevention Plan (Cont'd)
Construction Component (Section B)**
- B-1** Description of potential pollutant sources associated with the construction activities:
Potential pollutant sources associated with this construction activity include those normally associated with construction equipment and construction activities such as: concrete wash out water, soil sediment, oils, fuels, hydraulic fluids, transmission fluids, brake fluid, antifreeze, greases, brake dust, etc. All heavy equipment shall be parked on site at a location, when not in use; leakage from the equipment will be captured by the surrounding terrain, and not be provided a direct path to the surrounding storm water system. Sediment discharge will be controlled by proper work sequencing and proper installation of E&SC BMPs. Concrete wash out will be controlled through proper construction of concrete wash out containments.
 - B-2** Construction Entrance:
It is anticipated that most of the work for this project will be conducted from paved surfaces. While construction entrances are not shown in the SWPPP, the Contractor shall install stable entrances/exits as need to keep mud and sediment off public roads. Any mud, soil, rock tracked onto open public roads shall be immediately removed. CEs shall be installed in accordance with INDOT standard drawing E-205-TECD-12.
 - B-3** Specifications for temporary and permanent stabilization:
Temporary surface stabilization shall be accomplished by the use of a temporary seed mixture along with temporary mulching. The temporary seed mixture shall be used to establish a temporary cover for disturbed soils during the construction operations. Temporary seeding (INDOT Seed Mix T) shall be placed on disturbed areas that are expected to be idle for 7 days or greater, or as directed by the Engineer. Placement of temporary surface stabilization shall be completed per INDOT Standard Specification 205.04.

Permanent surface stabilization shall be achieved by the use of pavement, sod and a permanent seed mixture (INDOT Seed Mixture R), along with mulching material and fertilizer. Placement of the permanent surface stabilization shall immediately follow final grading of an area and shall be completed per INDOT Standard Specification 621 unless otherwise specified.
 - B-4** Sediment control measures for concentrated flow areas:
Modified Check Dam (MCD): MCDs are erosion control features installed toe-to-crest in concentrated flow areas to slow runoff and reduce erosion. Proposed locations for these measures are shown on the plans, but may need to be modified and/or replaced based on the phasing and locations of active construction. (INDOT Standard Dwg. E-205-TECD-06)
 - B-5** Sediment control measures for sheet flow areas:
Filter Socks (FS): A temporary barrier consisting of permeable material (compost or mulch) contained in a permeable geotextile fabric or non-biodegradable net matrix installed to intercept and treat sediment-laden runoff from small unvegetated, or disturbed drainage areas. They will trap sediment by intercepting runoff and reducing the velocity of the runoff into stabilized areas. Filter socks shall be installed as needed along back of curb to treat runoff from sidewalk and greenscape construction. They shall be installed in accordance with INDOT Standard Drawing E 205-TECD-10 and manufacturer recommendations.
Vegetative Filter Strip (VFS): A vegetative filter strip is an area where the ground cover is to be left undisturbed to filter runoff from the disturbed drainage area. All existing vegetation located outside of the construction limits, shall not be disturbed, to act as vegetative filter strips. In some cases, filter socks may not be needed if a minimum 20-foot vegetative filter is left between disturbed areas and the edge of the site or a concentrated flow area.
 - B-6** Runoff control measures:
Concrete Washout (CW): Concrete washout areas shall be installed and utilized as containment for washing equipment of uncured concrete and associated liquids. They shall be constructed in accordance with INDOT Standard Specification 205.03 and detail on Sheet 40. Straw bales shall not be used in the construction of concrete washout areas. All concrete washout water shall be discharged to a concrete washout area. CW's will be placed a minimum of 50 feet from any body of water and located away from inlets and stormwater conveyances. They shall be placed on stable material and in such a manner that all washout water is captured and contained in the CW.
Filter Sock (FS): See B-4 for details.
Vegetative Filter Strip (VFS): See B-5 for details.

- B-7** Stormwater outlet protection specifications:
Stormwater outlets shall be protected with riprap as shown on the Plan and Profile sheets 32 - 38.
- B-8** Grade stabilization structure locations and specifications:
Disturbed grades shall be stabilized in accordance with B-3 and as shown in the drawings.
- B-9** Dewatering application and management methods:
Dewatering: While dewatering is not specified in the SWPPP design it may be required to remove water collected in excavations or other low areas. Proper outflow of the dewatering activity should be reviewed and planned for to prevent discharge of sediment laden runoff into adjacent storm sewer inlets. Dewatering components include pump, water filtering device (sediment bag), stabilized outlet, and secondary containment (check dam, silt fence, filter sock, etc.).
- B-10** Measures utilized for work within waterbodies:
Pump Around: Prior to any work within UNT 1 to McClain Ditch, a properly sized pump around shall be installed. Pump should be sized to ensure upstream water does not overtop the cofferdam and allow water into the work area. Dewatering pump shall discharge into a properly sized sediment bag placed on a level & stable non-erodible surface protected by secondary containment. Pump-around pump shall discharge onto stable, non-erodible surface. UNT 1 to McClain Ditch shall not be allowed to flow through the work area until the area is completely stable and all work is complete.
- B-11** Monitoring and maintenance guidelines for each proposed pollution prevention measure:
In accordance with INDOT Specification 205, the contractor shall develop a Storm Water Quality Control Plan (SWQCP). The SWQCP shall include the processes and procedures of how the Contractor intends to meet the requirements as outlined in INDOT Standard Specification 205 and the approved SWPPP. Any individual phase of the SWQCP shall be submitted to the Engineer for review a minimum of 14 calendar days prior to commencing earth disturbing activities for that phase. Temporary erosion and sediment control measures shall be self-inspected by the Contractor's SWQM, once every seven days and within 24 hours of a 1/2 inch measurable storm event. Inspections shall be documented and records shall be maintained by the Contractor's SWQM and be made available for review upon request. Records shall include, at a minimum: date, inspector's name, maintenance and corrections needed based on the inspection, and status of previously identified deficiencies. INDOT Form 108-c-192d: Storm Water, Erosion, and Sediment Control Inspection Report may be utilized and is available on INDOT's website for use. The temporary protection measures shall be returned to good working condition within 48 hours after inspection or as directed. Inspections shall continue until the entire contract is complete and has been permanently stabilized and the Notice of Termination has been filed with the reviewing authority.

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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE N/A	BRIDGE FILE N/A		
						VERTICAL SCALE N/A	DESIGNATION 1902734	
DESIGNED: _____ SMF _____	DRAWN: _____ SMF _____		EROSION CONTROL INFORMATION SHEET		SURVEY BOOK	SHEETS		
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____				ELECTRONIC	39	of	102
					CONTRACT	PROJECT		
			R-43491	1902734				

Assessment of Stormwater Pollution Prevention Plan (Cont'd)
Construction Component (Section B)

B-11 Monitoring and maintenance guidelines for each proposed pollution prevention measure (Cont'd):

The following shall apply to maintaining the specific erosion and sediment control facilities:

- **Construction Entrances:**
 - **Inspection**
 - Verify entrances are where they are most effective.
 - Ensure entrances do not interfere with existing drainage patterns.
 - Inspect entrances each day they are being used.
 - Monitor tracking onto public roads and observe sediment being collected in the stone.
 - **Maintenance**
 - Redress #2 stone as necessary to provide clean stone with voids capable of trapping additional sediment.
 - Remove and replace #2 stone on construction entrances near sensitive areas or where redressing could cause a safety or drainage problems.
 - Sweep or otherwise remove sediment from public roads at the end of each day and throughout the day as necessary.
 - Reshape, resize or relocate ineffective construction entrances.
- **Filter Sock:**
 - **Inspection**
 - Monitor sediment accumulation and remove one it reaches one-quarter of the height of the filter berm/sock.
 - Look for areas that been damaged by storm water or equipment.
 - **Maintenance**
 - Replace or resecure damaged filter socks.
 - Replace with rock or stronger measure if damage is sever or reoccurring.
 - Remove accumulated sediment once it reaches one-quarter of the height of the filter berm.
- **Vegetative Buffers**
 - **Inspection**
 - Inspect for the beginning of erosion rills or channel erosion.
 - Inspect for sediment accumulation.
 - **Maintenance**
 - Promptly repair any small rills that form.
 - Add fertilizer and soil amendments as needed to maintain healthy vegetation.
 - Mow as needed but not shorter that four inches.
 - Where the filter strip has actively trapped sediment during construction, remove the accumulated sediment, regrade the area and reseed it when conditions are favorable for vegetative establishment.
- **Inlet Protection**
 - **Inspection**
 - Look for damaged, clogged or ineffective materials.
 - Make sure storm water is not bypassing or undercutting any type of inlet protection that has been installed.
 - **Maintenance**
 - Remove sediment after each storm event.
 - If measure is repeatedly damaged or clogged, consider additional erosion and sediment control measures upstream in a series.
 - Cleaning by flushing with water will not be allowed.
- **Concrete Washout**
 - **Inspection**
 - Make sure all concrete slurry can be contained within the washout provided. Construct additional washouts as needed.
 - Inspect daily during concrete placement operations.
 - Ensure washout is completely contained with one sheet of plastic free of tears.
 - Dispose of cured concrete per specifications.
 - **Maintenance**
 - Repair or replace if leaks, spills or tears are found.
 - Provide additional concrete washout as needed to ensure adequate capacity.
- **Pump Around/De-Watering**
 - Inspect daily during pump around operations.
 - Ensure outlet is stable and no erosion is evident.
 - Monitor upstream water level to ensure pump is adequately sized and water does not flow over cofferdam.
 - Monitor weather forecast and anticipate increases in stream water.
 - Inspect sediment bag daily for leaks, rips, tears or other damage.
 - **Maintenance**
 - Adjust outlet stabilization if bank erosion is noticed.
 - Adjust pump capacity as needed to handle stream water volume.
 - Fix leaks or otherwise stabilize cofferdams it water is back flowing into the work area.
 - Replace torn or damaged sediment bags.
- **Modified Check Dam**
 - **Inspection**
 - Ensure center of dam is lower than the sides and that the sides tied into the slope so water flows across center of dam.
 - Check for #5 or #8 filter stone on front face of dam.
 - Geotextile under dam should extend 3 feet down slope.
 - Inspect for channel erosion. If channel eroin is found, space check dams closer so that the bottom of the upstream dam is aligned with the weir of the downstream dam.
 - **Maintenance**
 - Remove sediment once it reaches one-half the height of the check dam.
 - Repair or replace if damaged or ineffective.

The SWQM, shall routinely inspect the overall performance of erosion and sediment control facilities and areas downstream of the project site. If eroded material/silt is apparent downstream from the facilities, some failure has occurred, and the inspector shall notify the Contractor and Engineer. The Contractor shall remove the accumulated sediment downstream and add additional erosion and sediment control measures to address the issues as necessary. The contractor shall implement all recommended solutions to the problem areas as recommended by the SWQM, Engineer, IDEM, or SWCD inspector within 48 hours. Following completion of construction and final stabilization of all disturbed areas, the Contractor shall dismantle the remaining temporary erosion and sediment control elements. The contractor shall remove any unsuitable material from the site left from the erosion and sediment control measures. The disturbed areas, following removal of the temporary measures, shall be stabilized with permanent vegetation. When all construction is complete, temporary measures have been removed, and vegetation is established, the SWQM and Engineer shall complete a final release inspection.

Assessment of Stormwater Pollution Prevention Plan (Cont'd)
Construction Component (Section B)

B-12 Planned construction sequencing:

Upon completion of the initial site inspection, and before any vegetation is removed from the site, this erosion and sediment control plan shall be implemented. The plan must be dynamic and ever changing as the project develops. Proper sequencing of work may reduce the amount of bare soil and therefore reduce the need for extensive erosion and sediment control measures. Every detail of stormwater and erosion protection cannot be planned in advance. The measures shown within these drawings are considered to be the minimum protection required. The contractor must be prepared to implement additional measures as needed to prevent sediment loss when weather or work activities dictate. Continual maintenance and updating of the plan by the construction contractor is of utmost importance. Below is a general sequencing of events for this erosion and sediment control plan. While the contractor shall dictate the actual sequencing of construction, erosion and sediment control measure shall be implemented as described below during each phase of construction.

1. Flag or denote all construction limits.
2. Contractor shall develop a Storm Water Quality Control Plan (SWQCP) that shall include a Concrete Waste Water Plan and establish areas for storage of potential pollutants (e.g. concrete washout, fuel storage, hydraulic fluids, etc.). SWQCP shall be provided to the Engineer a minimum of 14 days prior to commencement of earth moving activities.
3. A pre-construction meeting with the owner, contractor, and contractor's Storm Water Quality Manager (SWQM) shall be held.
4. Identify and protect all existing vegetation designated to be undisturbed.
5. Prior to removal of existing structures:
 - 5.1. A properly sized dewatering system shall be installed to prevent sediment laden runoff from leaving the site.
 - 5.2. Install resource protection fence as shown in the drawings to prevent inadvertent disturbance of natural resources.
6. Immediately following structure installation:
 - 6.1. Bring slopes to final grade and permanently stabilize with seed and mulch as described in B-3 and INDOT standard specification 621.
 - 6.2. Following permanent stabilization Contractor shall install filter sock across slopes above new structures to slow runoff and reduce rills as shown in the drawings and details.
7. Prior to placement of any concrete, install concrete washouts where needed and in accordance with approved Concrete Waste Water Plan to ensure that no concrete washout water enters road side ditches, comes in contact with the ground, or leaves the project limits.
 - 7.1. Concrete washouts shall be located no closer than 50 feet from any jurisdictional waterway, body of water, wetland or stormwater inlet.

B-13 Erosion and sediment control specifications for individual building lots:
Not applicable.

B-14 Material handling and spill prevention plan:

Contractor's SWQM will develop a Concrete Waste Water Plan that will be provided to the Engineer a minimum of 14 days prior to any concrete placement. Any onsite storage of hazardous materials/potential pollutants, such as diesel fuel, shall be stored onsite surrounded by an earthen dike or other secondary containment system having a storage volume equal to 150% of tank capacity, to contain potential pollutants. Any additional means of containing releases should be accessible to a petroleum storage area; this would include various absorbent materials. Furthermore, all equipment, when not in use, shall be parked onsite in an area that, should potential pollutants leak, will be contained within the immediate area and will not be inadvertently conveyed to drainage swales and away from the project. Any leakage of pollutants from storage vessels or equipment shall be cleaned up and disposed of offsite in a legal manner. In the event of a release, a licensed environmental consulting company shall be contacted for spill cleanup assistance. The spill shall be reported to both IDEM's 24-hour emergency response line at (888) 233-7745 and the City of Hammond dispatch at (219) 853-6490 for local emergency response.

B-15 Material handling and storage procedures associated with construction activities:

Proposed waste storage areas shall be identified by the Contractor and accepted by the Engineer prior to Contractor mobilization. Garbage and construction debris shall be gathered and stored in a properly sized roll off dumpster. Tarps or other form of cover may be required to keep debris in dumpster during high winds. Concrete washout water shall be directed into leak-proof containers or leak-proof containment areas which are located and designed to divert stormwater run-off away from the measure. Size concrete washouts to prevent the discharge and/or overflow of wash water. Waste sites shall be accepted by the Engineer prior to the start of any disposal operations. For each proposed disposal site, an IC-203 Request for Acceptance of Borrow or Disposal Site form shall be submitted to the Engineer a minimum of 14 days prior to the Contractor's planned start of disposal operations. All requests for acceptance of disposal sites shall be in accordance with INDOT Standard Specification 203.08(a).

Stormwater Pollution Prevention Plan - Post Construction Component (Section C)

C-1 Description of pollutants and their sources associated with the proposed land use:

Additional pollutant sources will be from trash (both organic and inorganic), lawn chemicals, grass clippings, grit brought in from the existing surrounding roads from various vehicles (fuel, antifreeze, oil, grease, brake dust, brake fluid, transmission fluid, other hydrocarbons, etc.), pet and other animal waste, etc.

C-2 Description of proposed post construction storm water quality measures:

All disturbed areas within the construction limits not paved shall be graded, seeded, and established as permanent vegetated filter strips and swales in accordance with the INDOT Standard Specification 621 and the SWQCP. Chapter 8 of the Indiana SWQM identifies 81% removal of total suspended solids (TSS) through the use of vegetated swales. Vegetated filter strips are anticipated to remove greater than 81% TSS and will be the primary post construction storm water quality control measure.

C-3 Plan details for each stormwater measure:

Stormwater measures for this project consist of installation of new stormwater inlets and pipes. These new features shall be tied into the Greenfield Municipal Storm Water Sewer system.

C-4 Sequence describing stormwater quality measure implementation:

Upon completion of the sidewalk installation all disturbed soil will be graded to final contours and stabilized in accordance with these drawings and B-12. No additional permanent stormwater quality measures are anticipated for this project. All existing vegetation outside of the project limits will not be disturbed, and this vegetation will continue to filter out pollutants from the stormwater prior to it leaving the site, and entering into the surrounding water sources.

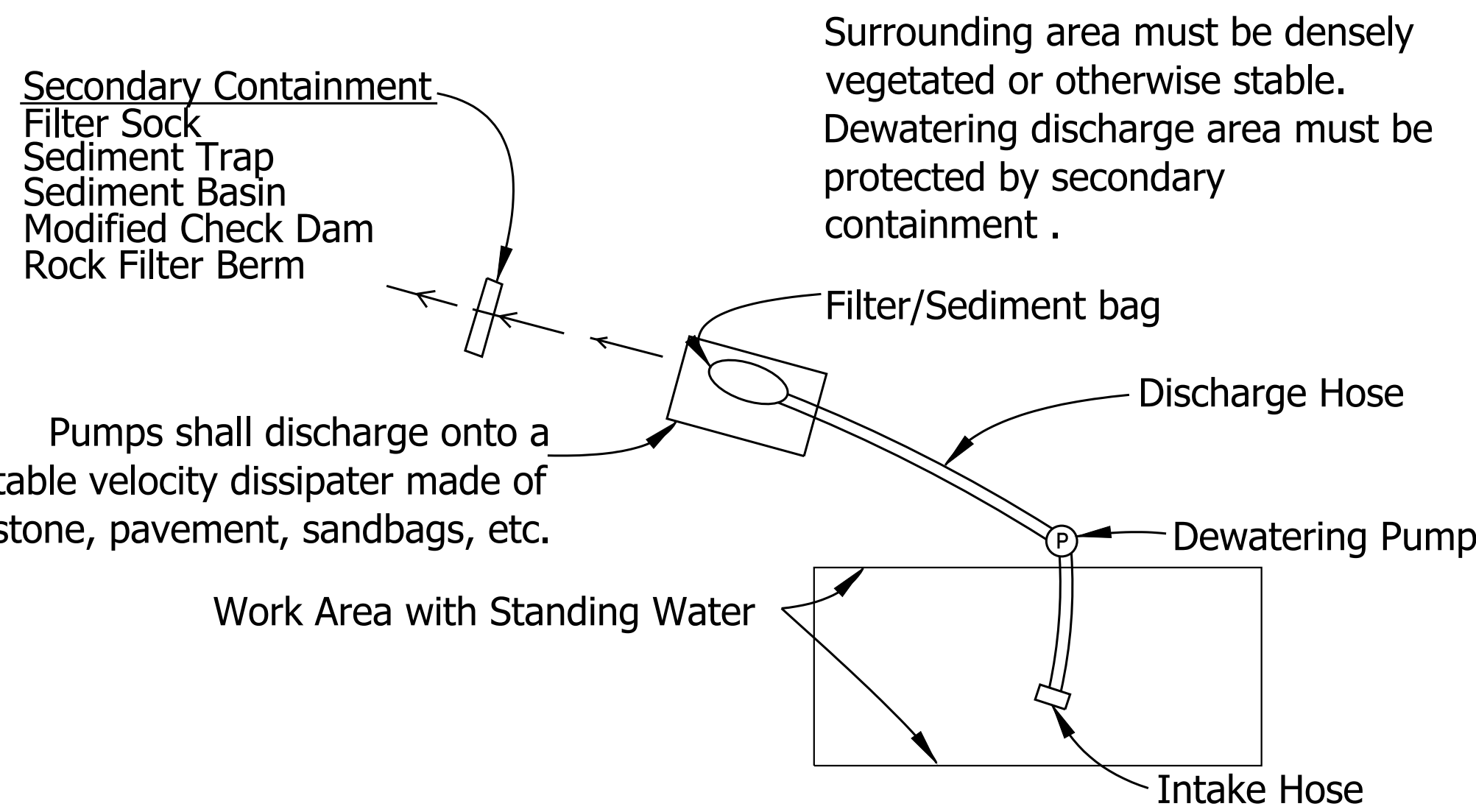
C-5 Description of maintenance guidelines for proposed post-construction water quality measures:

Erosion and sediment control: Repair and revegetate eroded areas in the project site. Remove debris, grit, trash, etc. from stormwater inlets. These measures will be implemented, as needed, based on regular inspections by the City of Greenfield.

C-6 Entity responsible for operation and maintenance of post-construction stormwater measures:

Following construction, the area shall be maintained in by the City of Greenfield's according to their standard operating procedures in regards to inspections, mowing, debris and litter removal, nuisance control, sediment removal, and general right-of-way maintenance.

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
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DESIGNED: _____ SMF _____	DRAWN: _____ SMF _____		EROSION CONTROL INFORMATION SHEET		VERTICAL SCALE	DESIGNATION
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____				N/A	1902734
					SURVEY BOOK	SHEETS
					ELECTRONIC	40 of 102
					CONTRACT	PROJECT
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Surrounding area must be densely vegetated or otherwise stable. Dewatering discharge area must be protected by secondary containment.

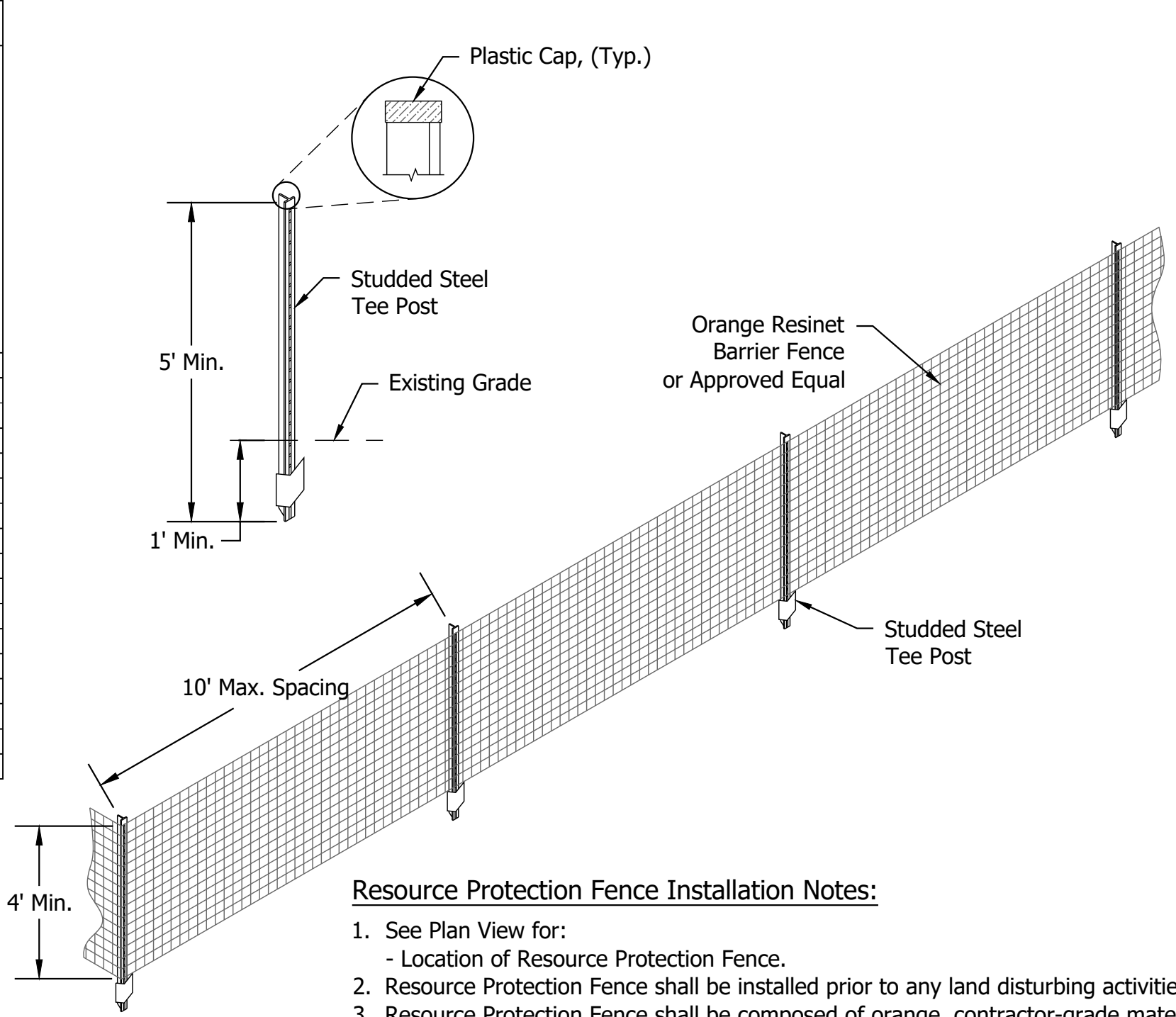
D DEWATERING
NOT TO SCALE

DEWATERING

- Dewatering of the project area shall be performed using a mechanical pump. A dewatering (filter) bag shall be securely connected to the end of the discharge hose. The suction hose shall be floated as long as possible to prevent the pump from pulling sediment from the bottom of the pooled area.
- The dewatering bag may be of the single-use or reusable variety and shall be constructed of non-woven, polypropylene geotextile material. Each type and size of dewatering bag can handle varying rates of flow. The bag shall have for following minimum specifications:

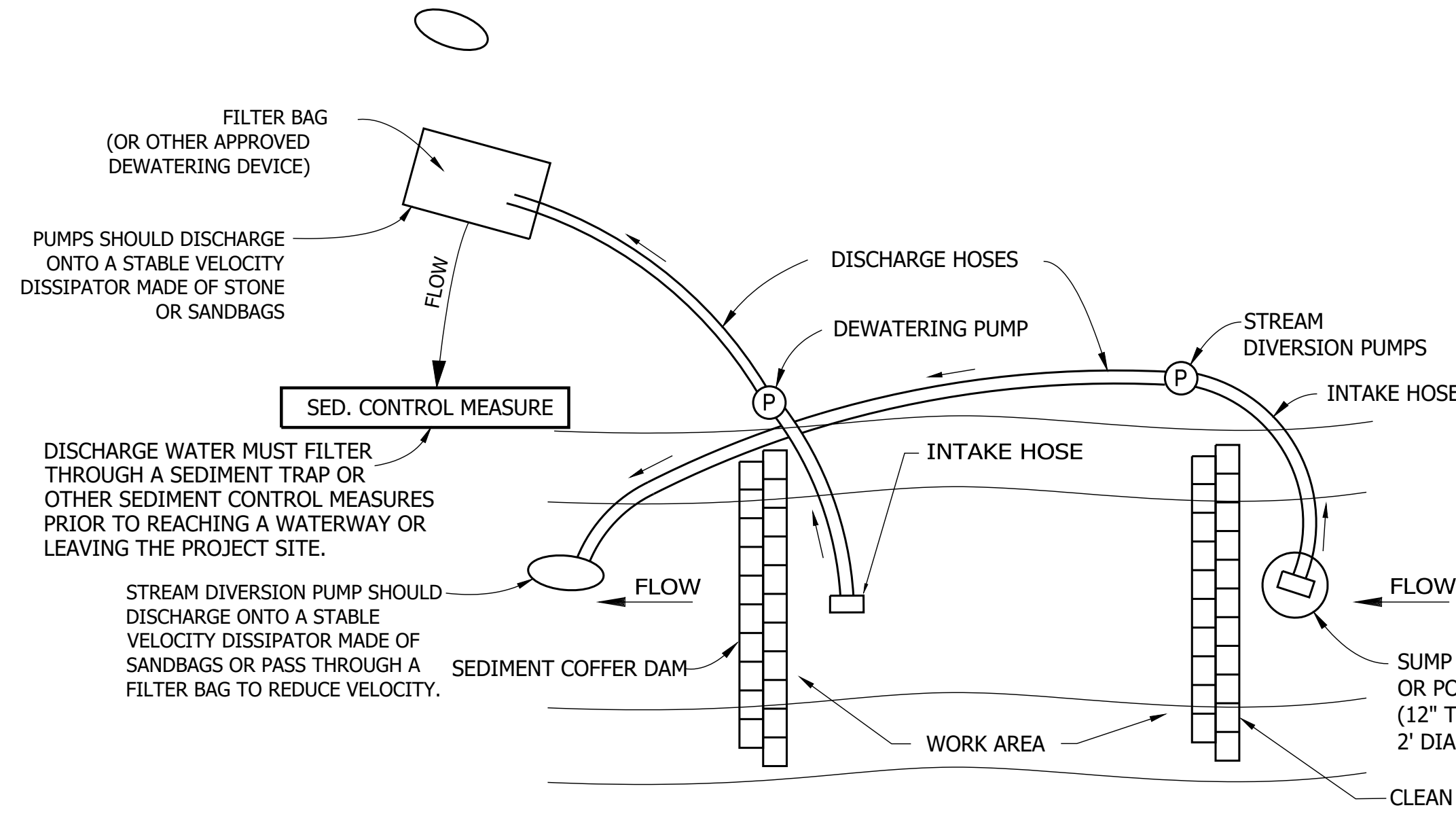
Permittivity	Grab Tensile	Weight	Apparent Opening Size
1.4 sec	200 lbs	8 oz/yd ²	80 US Sieve
- The dewatering bag shall be placed on a flat non-erodible surface. Placing the dewatering bag on top of an aggregate base will help to increase flow through the fabric by providing a larger surface area of discharge and prevent erosion of the supporting soils.
- Water shall not be pumped from the project area at a rate faster than the manufacturer's maximum recommended flow rate of the dewatering bag.
- Dewatering bags shall be placed in a location in which runoff will pass through additional sediment control measures prior to entering the channel (i.e. rock filter berm, check dam, sediment trap, etc.).
- Following completion of dewatering, the sediment accumulated within the dewatering bag shall be removed from the bag and placed in an upland area.

TEMPORARY EROSION CONTROL TABLE												
STRUCTURE NO	LOCATION			TEMPORARY SILT FENCE	FILTER SOCK	PROTECTED RESOURCE FENCE	INLET PROTECTION	RIPRAP SPLASHPAD	STRAW BALES DITCH CHECK	RIPRAP DITCH CHECK	PUMP AROUND	REMARKS
	LEFT	MEDIAN	RIGHT									
	LFT	LFT	LFT	EACH	CYS	LFT	CYS	EACH				
1											1	
2				100	100						1	
3					234						1	
4				266		75					1	
5					290						1	
6					223						1	
7					275						1	
TOTALS				366	1122	75					7	

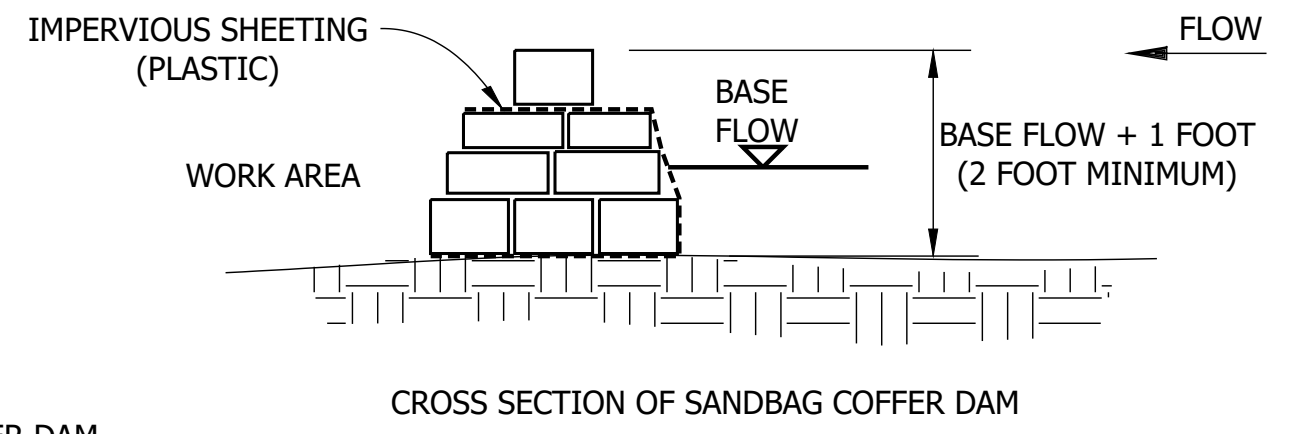


- Resource Protection Fence Installation Notes:**
- See Plan View for:
 - Location of Resource Protection Fence.
 - Resource Protection Fence shall be installed prior to any land disturbing activities.
 - Resource Protection Fence shall be composed of orange, contractor-grade material that is at least 4' high. Metal posts should have a plastic cap for safety.
 - Studded Steel Tee posts shall be utilized to support the Resource Protection Fence. Maximum spacing for Steel Tee posts shall be 10'.
 - Resource Protection Fence shall be securely fastened to the top, middle, and bottom of each post.

PLASTIC MESH RESOURCE PROTECTION FENCE
Not to Scale



P PUMP-AROUND PRACTICE
FOR CHANNEL RESTORATION
NOT TO SCALE

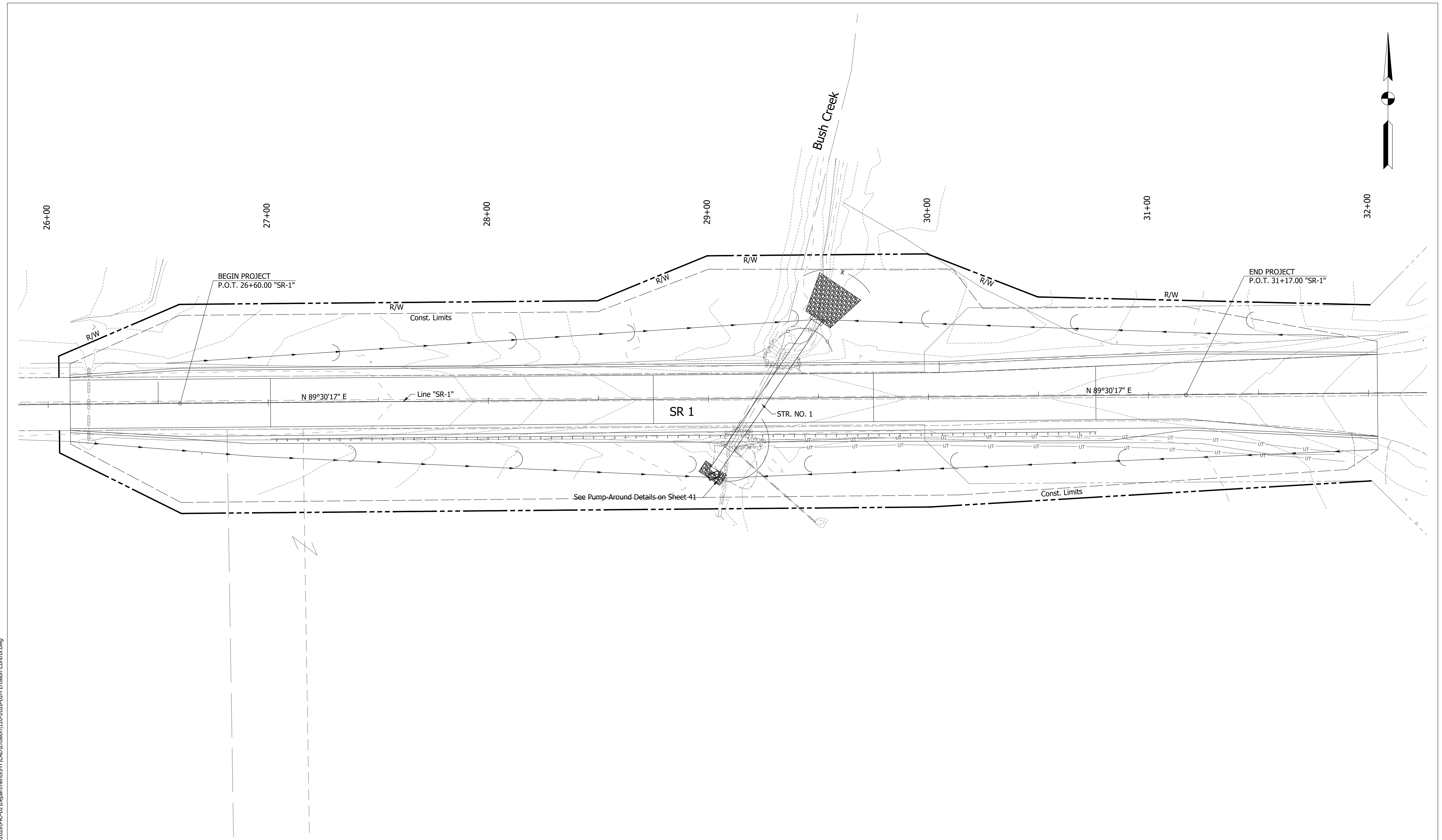
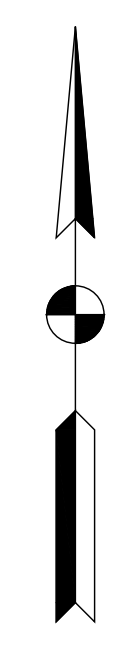


- Dewatering of the project area shall be performed using a mechanical pump. A dewatering (filter) bag shall be securely connected to the end of the discharge hose. The suction hose shall be floated as long as possible to prevent the pump from pulling sediment from the bottom of the pooled area.
- The dewatering bag may be of the single-use or reusable variety and shall be constructed of non-woven, polypropylene geotextile material. Each type and size of dewatering bag can handle varying rates of flow. The bag shall meet or exceed following minimum specifications:

Permittivity	Grab Tensile	Weight	Apparent Opening Size
1.4 sec	205 lbs	8 oz/syd	80 US Sieve
- The dewatering bag shall be placed on a flat surface. Placing the dewatering bag on top of an aggregate base or straw bales will help to increase flow through the fabric by providing a larger surface area for discharge.
- Water shall not be pumped from the project area at a rate faster than the manufacturer's maximum recommended flow rate of the dewatering bag.
- Dewatering bags shall be placed in a location in which runoff will pass through additional sediment control measures prior to entering a waterway or leaving the site.
- Following completion of dewatering, the sediment accumulated within the dewatering bag shall be removed from the bag and placed in an upland area.

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: SMF DRAWN: SMF		N/A	N/A
CHECKED: AJK CHECKED: AJK	EROSION CONTROL INFORMATION SHEET	VERTICAL SCALE	DESIGNATION
		N/A	1902734
		SURVEY BOOK	SHEETS
		ELECTRONIC	41 of 78
		CONTRACT	PROJECT
		R-43491	1902734



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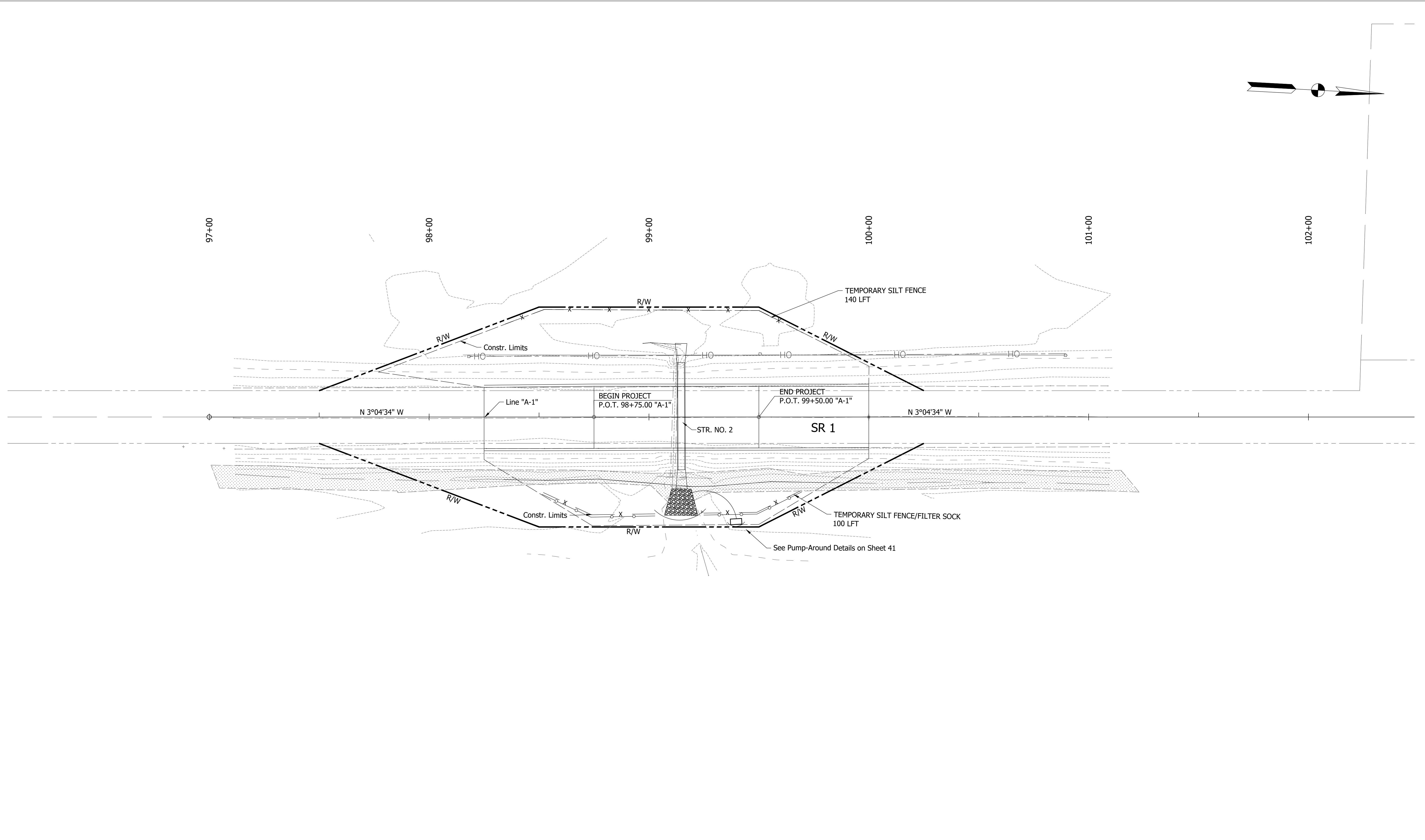
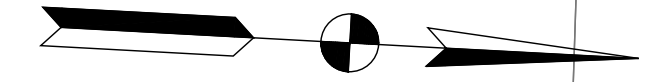
- Temporary Silt Fence
- Filter Sock
- Temporary Check Dam, Revetment Riprap
- Temporary Sediment Trap sized for drainage area
- Concrete Washout

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: SCS	DRAWN: SCS		
CHECKED: AJK	CHECKED: AJK		

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	42 of 102
CONTRACT	PROJECT
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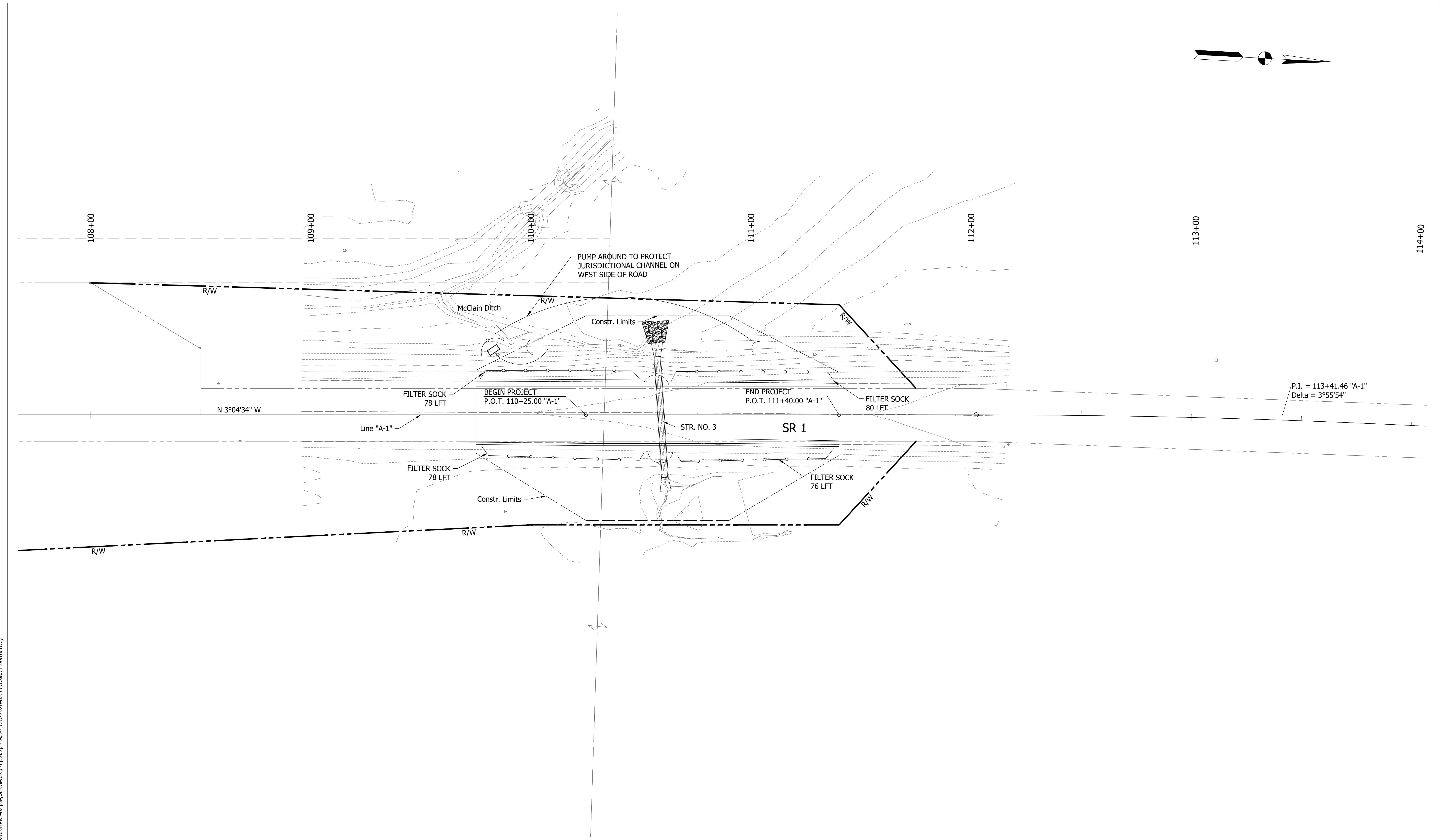
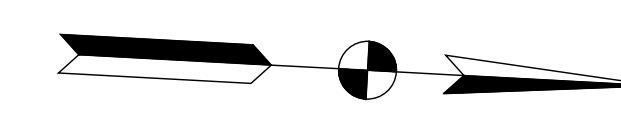
	Temporary Silt Fence		Concrete Washout
	Filter Sock		
	Temporary Check Dam, Revetment Riprap		
	Temporary Sediment Trap sized for drainage area		

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

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
STR. NO. 2 (CLV-001-038-110.71) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	43 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:13pm User Name: BBritten
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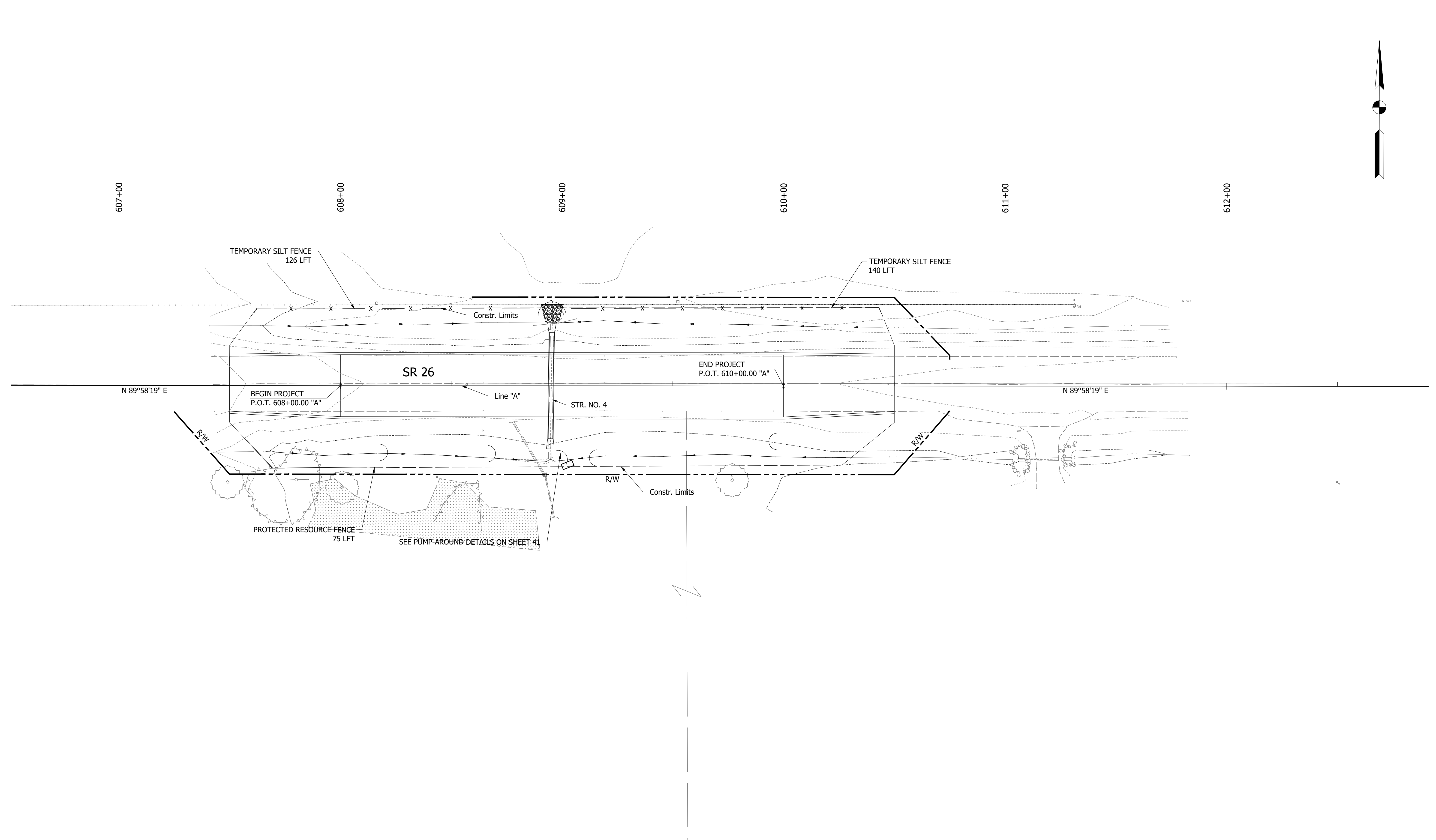
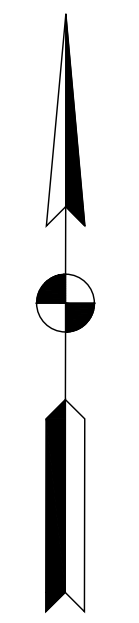
	Temporary Silt Fence		Concrete Washout
	Filter Sock		
	Temporary Check Dam, Revetment Riprap		
	Temporary Sediment Trap sized for drainage area		

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SCS	DRAWN: SCS	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
STR. NO. 3 (CLV-001-038-110.93) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	44 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:13pm User Name: BBritten
 File: X:\Production\Files\2020\1200-2028\PROJ-02\Departments\HY\CAD\Erosion\1200-2028-02H Erosion Control.dwg

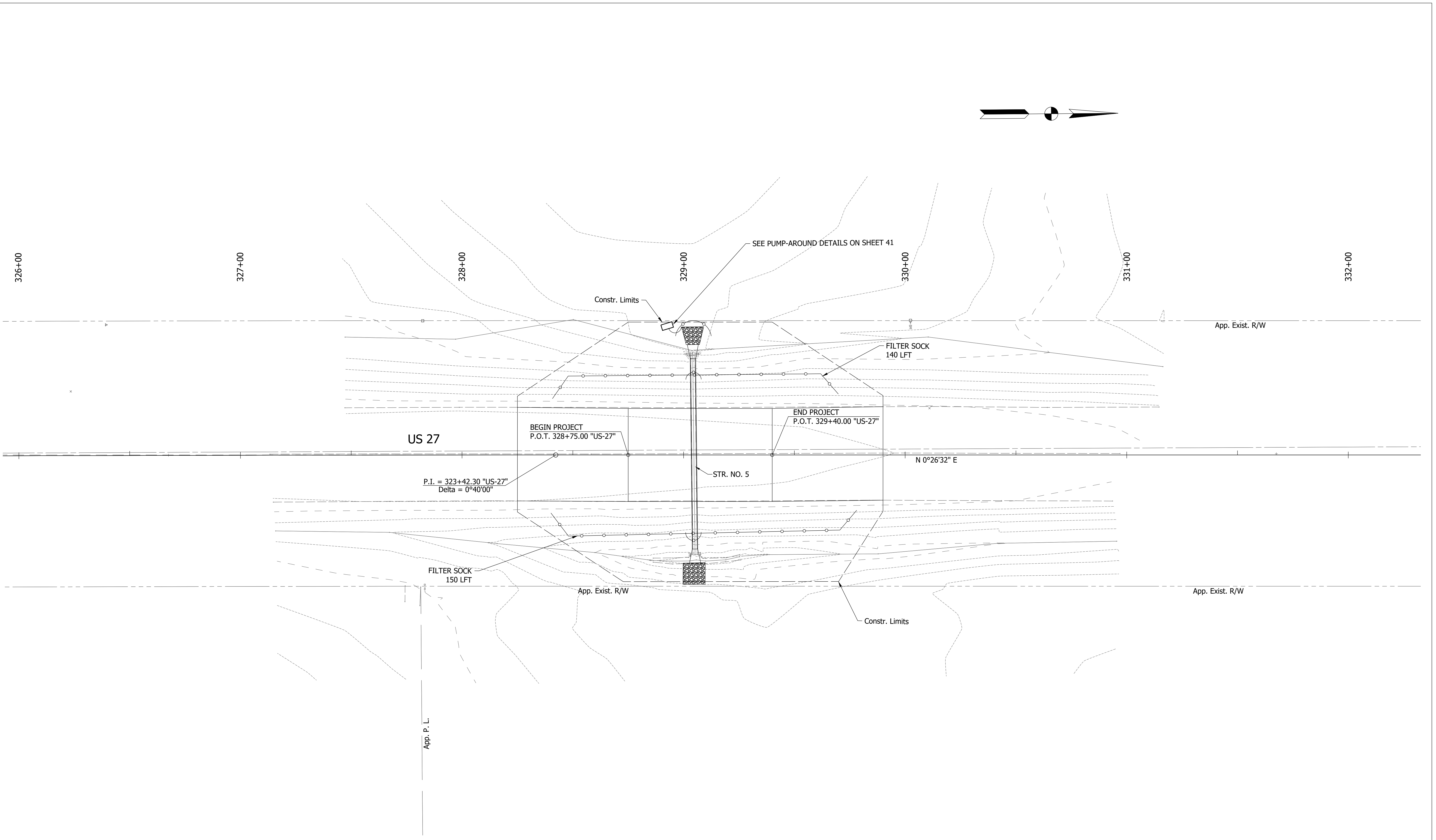
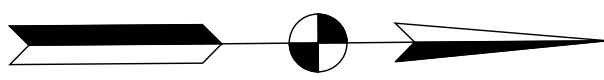
	Temporary Silt Fence		Concrete Washout
	Filter Sock		Temporary Check Dam, Revetment Riprap
	Protected Resource Fence		Temporary Sediment Trap sized for drainage area

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

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
STR. NO. 4 (CLV-026-005-125.01) - S.R 26

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	45 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:13pm User Name: BBritten
 File: X:\Production\Files\2020\1200-2028\PROJ-02\Departments\HY\CAD\Erosion\1200-2028-02H Erosion Control.dwg

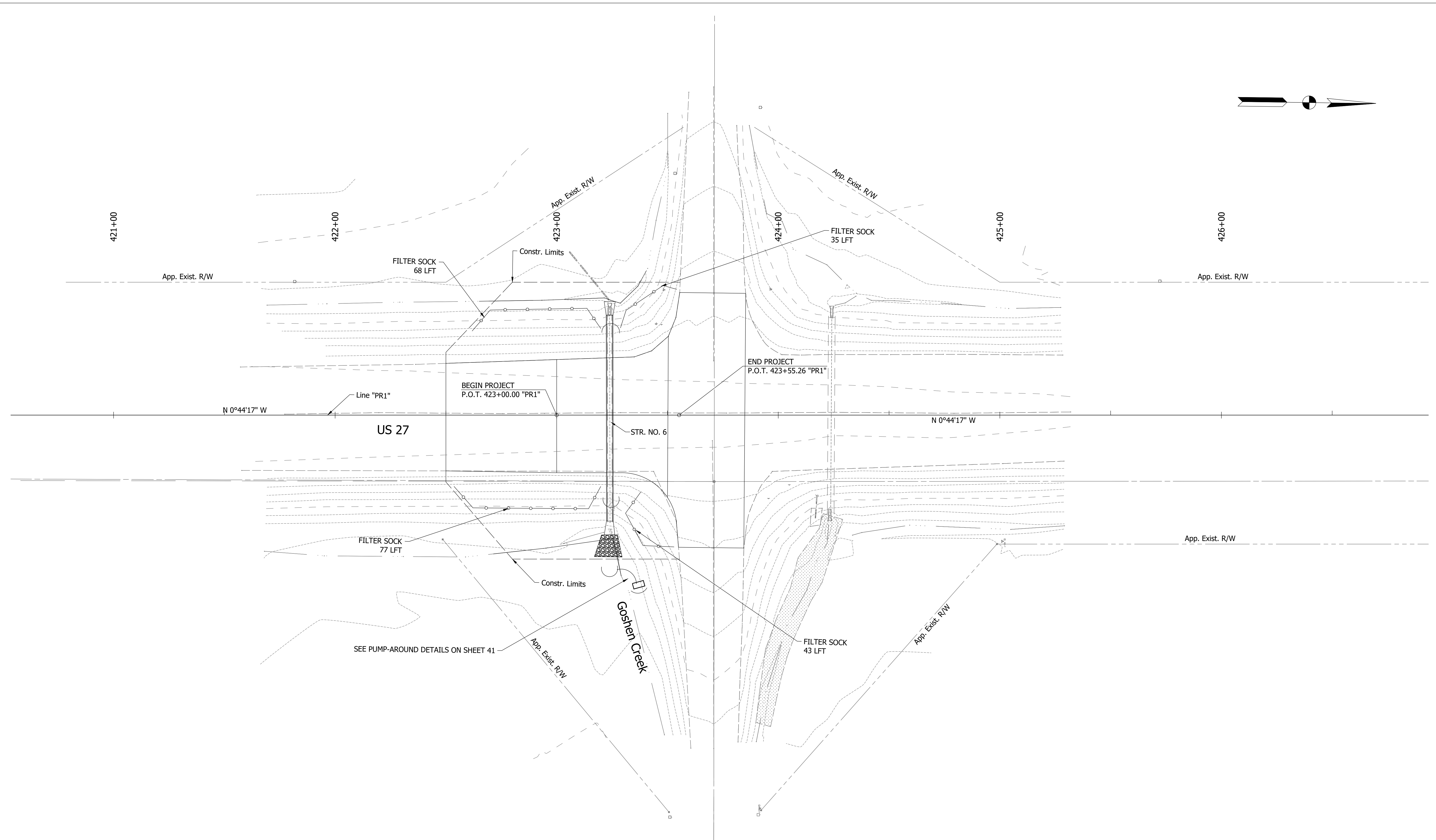
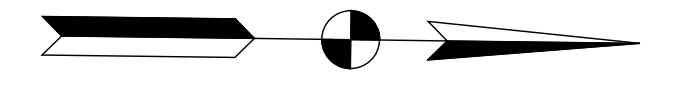
- Temporary Silt Fence
- Filter Sock
- Temporary Check Dam, Revetment Riprap
- Temporary Sediment Trap sized for drainage area
- Concrete Washout

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

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
STR. NO. 5 (CLV-027-068-55.25) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	46 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:13pm User Name: BBritten
 File: X:\Production\Files\2020\1200-0208\PRJ-02\Departments\HY\CAD\Erosion\1200-0208-02H Erosion Control.dwg

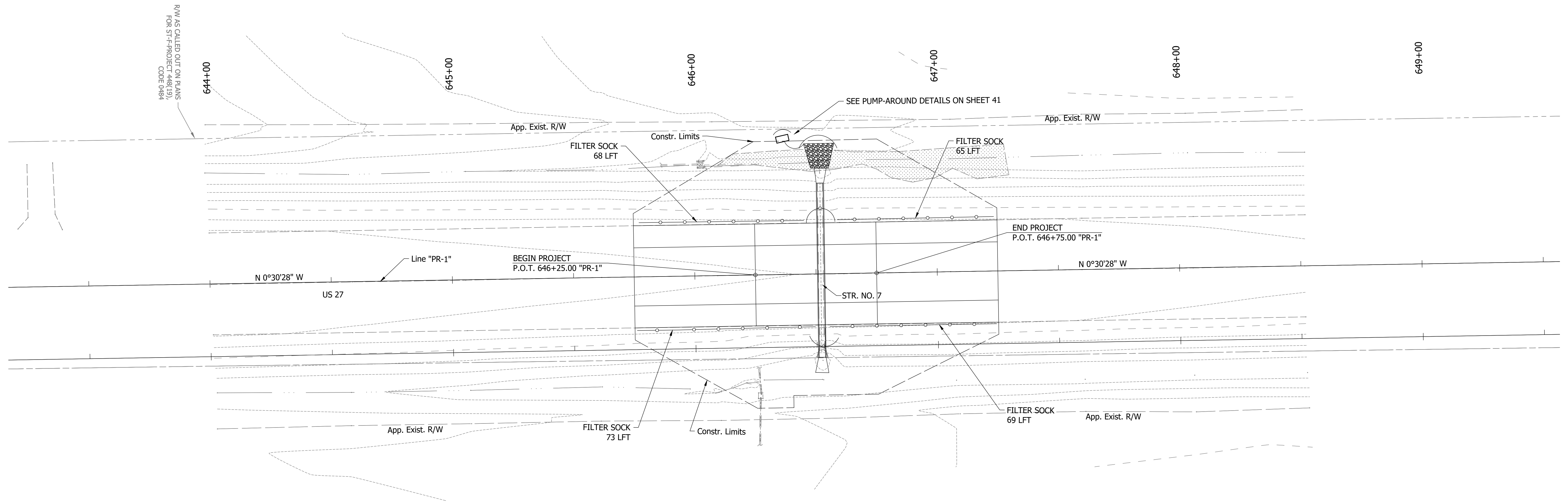
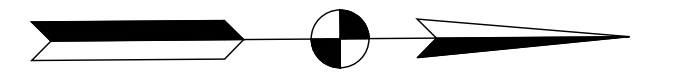
	Temporary Silt Fence		Concrete Washout
	Filter Sock		
	Temporary Check Dam, Revetment Riprap		
	Temporary Sediment Trap sized for drainage area		

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

INDIANA
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
STR. NO. 6 (CLV-027-038-57.06) - U.S. 27

HORIZONTAL SCALE 1"=20'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 47 of 102
CONTRACT R-43491	PROJECT 1902734



Date: Jul 20, 2022, 12:13pm User Name: BBritten File: X:\Production\Files\2020\1200-2028\PRJ-02\Departments\HY\CAD\Erosion\1200-2028-02H Erosion Control.dwg

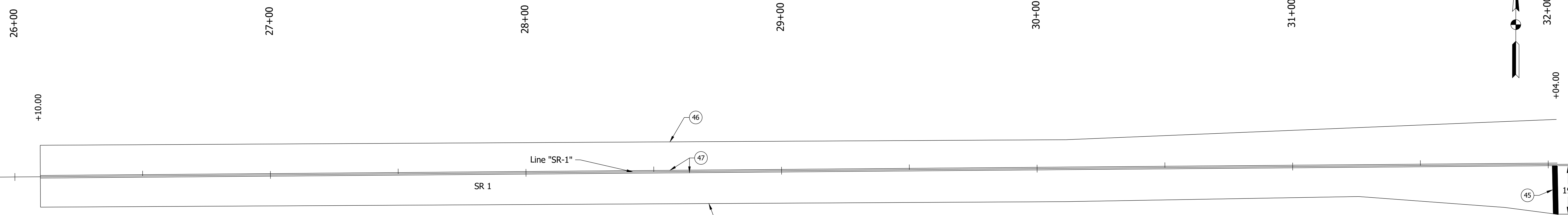
- Temporary Silt Fence
- Filter Sock
- Temporary Check Dam, Revetment Riprap
- Temporary Sediment Trap sized for drainage area
- Concrete Washout

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

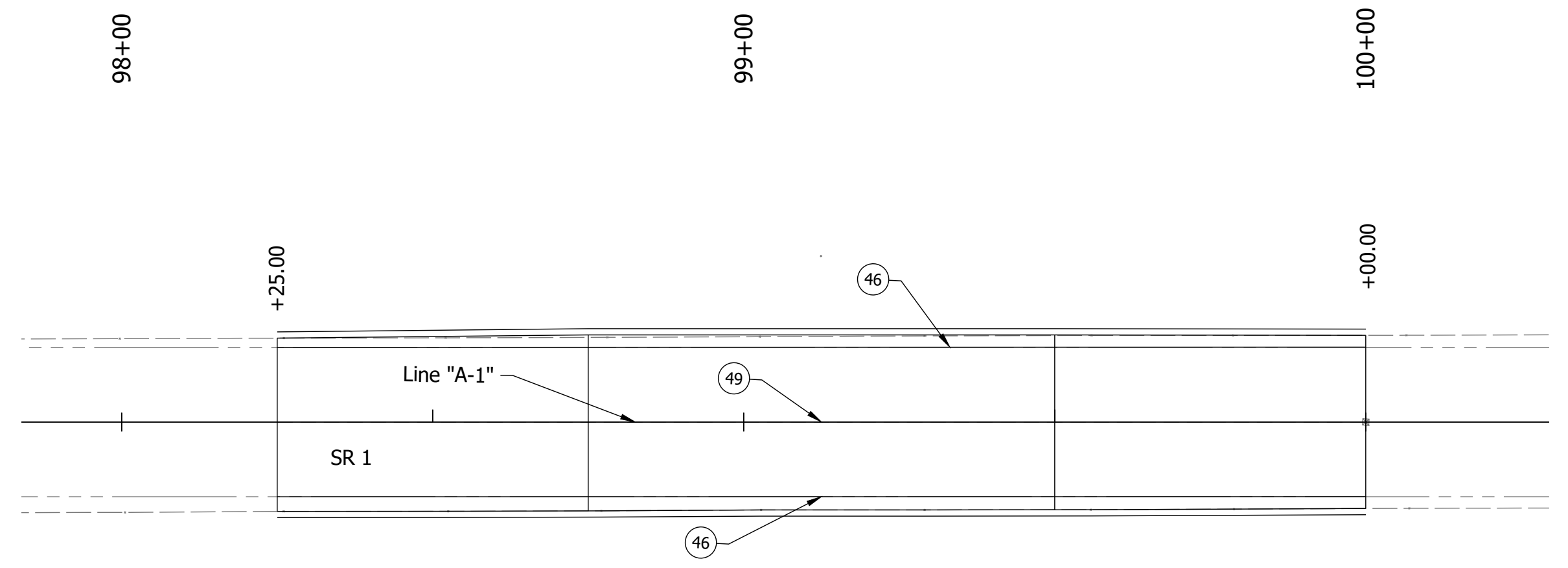
INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
STR. NO. 7 (CLV-027-038-61.28) - U.S. 27

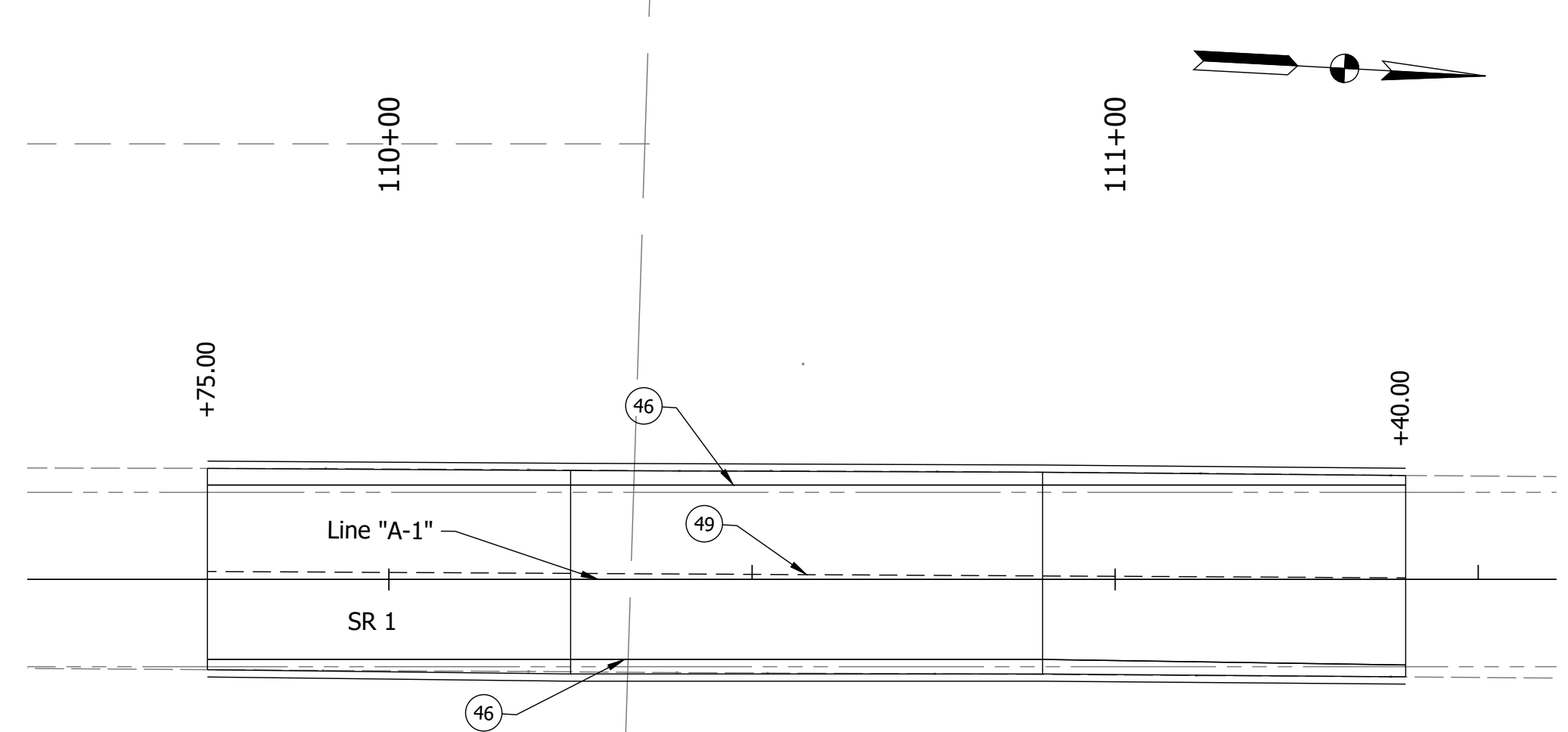
HORIZONTAL SCALE 1"=20'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 48 of 102
CONTRACT R-43491	PROJECT 1902734



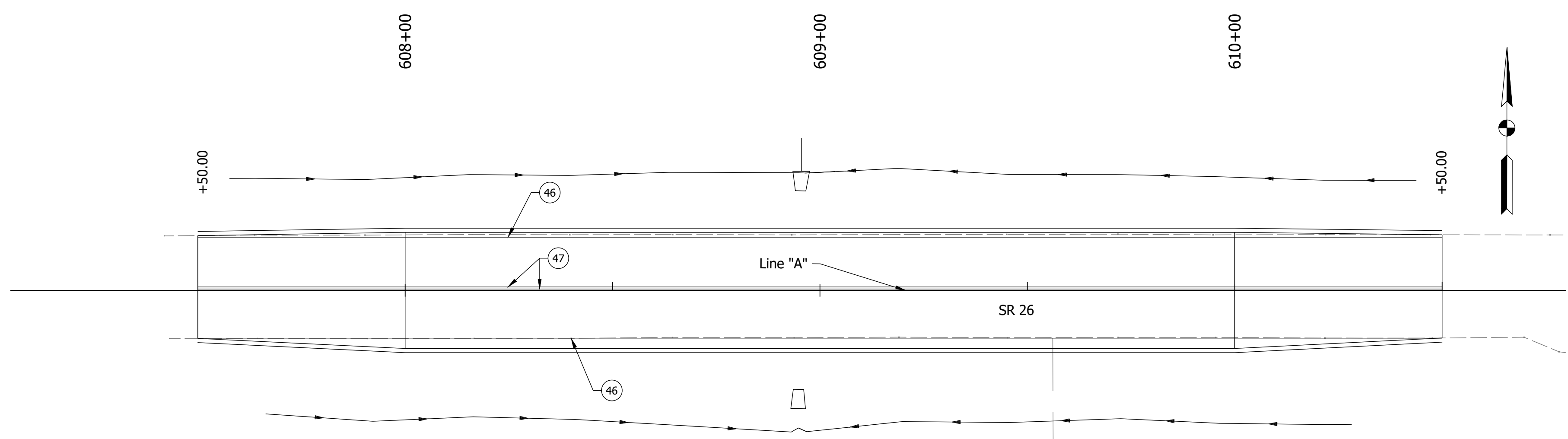
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1



STR. NO. 2 (CLV-001-038-110.71) - S.R. 1



STR. NO. 3 (CLV-001-038-110.93) - S.R. 1



STR. NO. 4 (CLV-026-005-125.01) - S.R. 26

Date: Jul 20, 2022, 12:14pm User Name: BBritten File: X:\Production\Files\2020\120-2028\PRJ-02\Departments\HY\CAD\Misc\DWG\Stripping.dwg

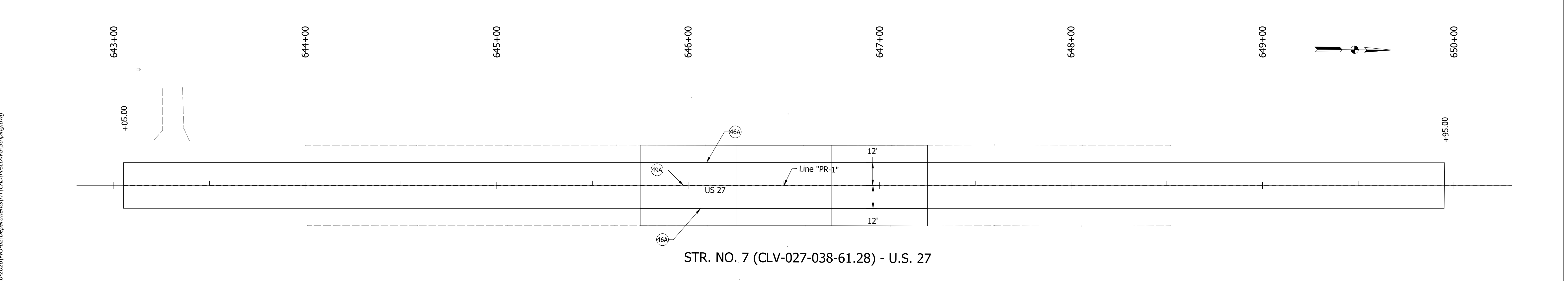
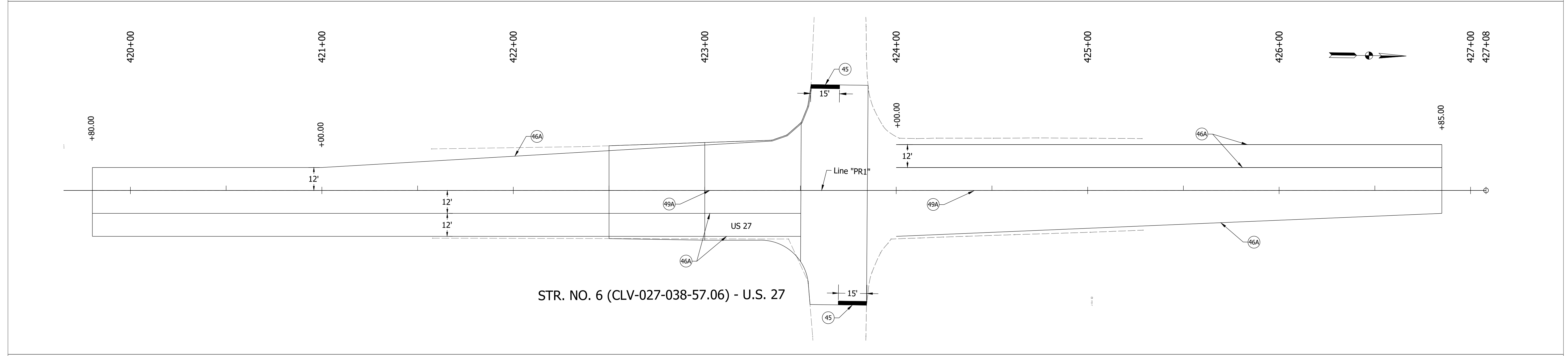
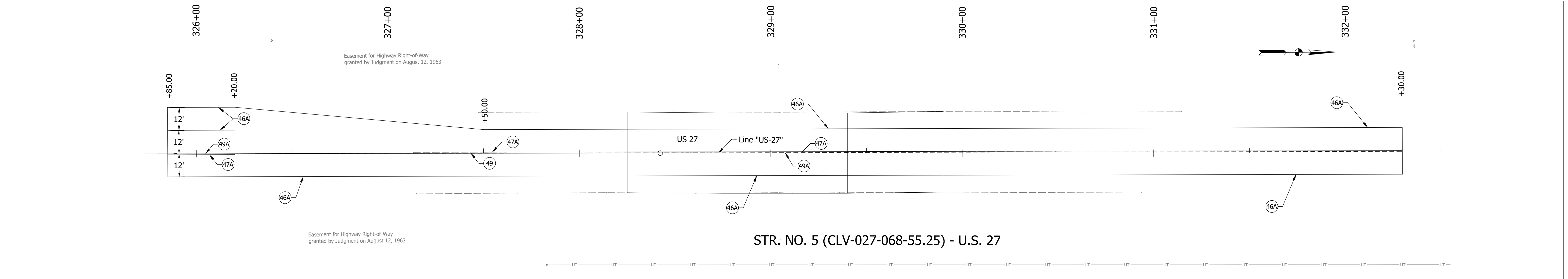
- (45) Transverse Marking, Thermoplastic, Stop Line, White, 24 in.
- (46) Line, Paint Solid, White, 6 in.
- (47) Line, Paint Solid, Yellow, 6 in.
- (49) Line, Paint, Broken, Yellow, 6 in.
- (46A) Line, Thermoplastic, Solid, White, 4in.
- (47A) Line, Thermoplastic, Solid, Yellow, 6 in.
- (49A) Line, Thermoplastic, Broken, Yellow, 6 in.

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

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

HORIZONTAL SCALE 1"=20'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 49 of 102
CONTRACT R-43491	PROJECT 1902734



Date: Jul 20, 2022, 12:14pm User Name: BBritten
 File: X:\Production\Files\2020\1200-2028\PRJ-02\Departments\HY\CAD\Misc\DWG\Stripping.dwg

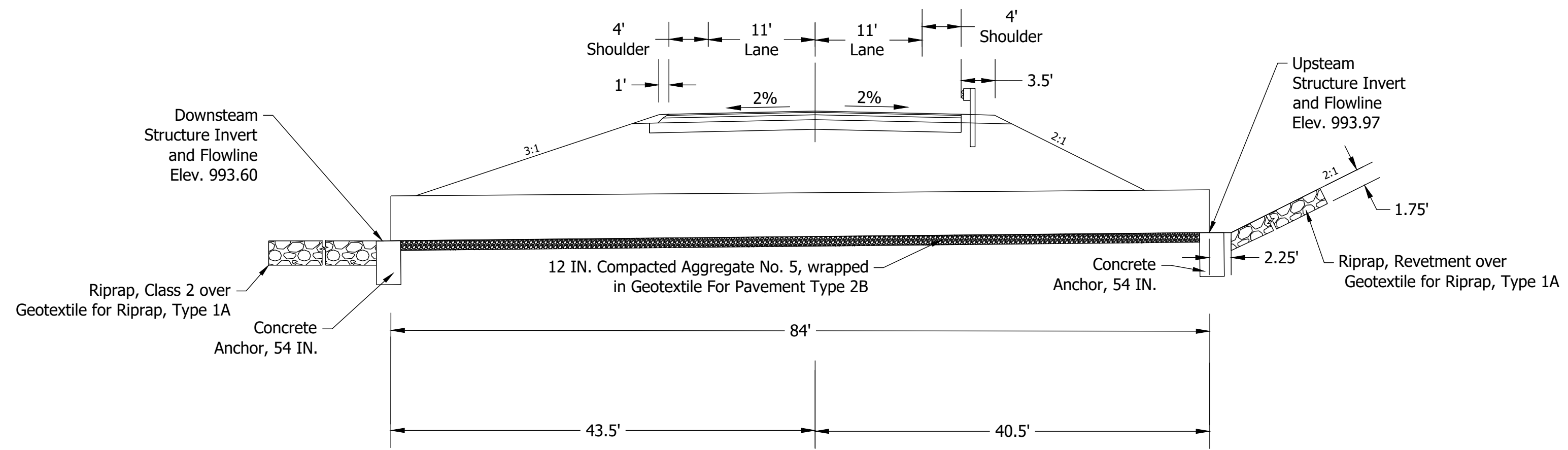
- (45) Transverse Marking, Thermoplastic, Stop Line, White, 24 in.
- (46) Line, Paint Solid, White, 6 in.
- (47) Line, Paint Solid, Yellow, 6 in.
- (49) Line, Paint, Broken, Yellow, 6 in.
- (46A) Line, Thermoplastic, Solid, White, 4in.
- (47A) Line, Thermoplastic, Solid, Yellow, 6 in.
- (49A) Line, Thermoplastic, Broken, Yellow, 6 in.

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

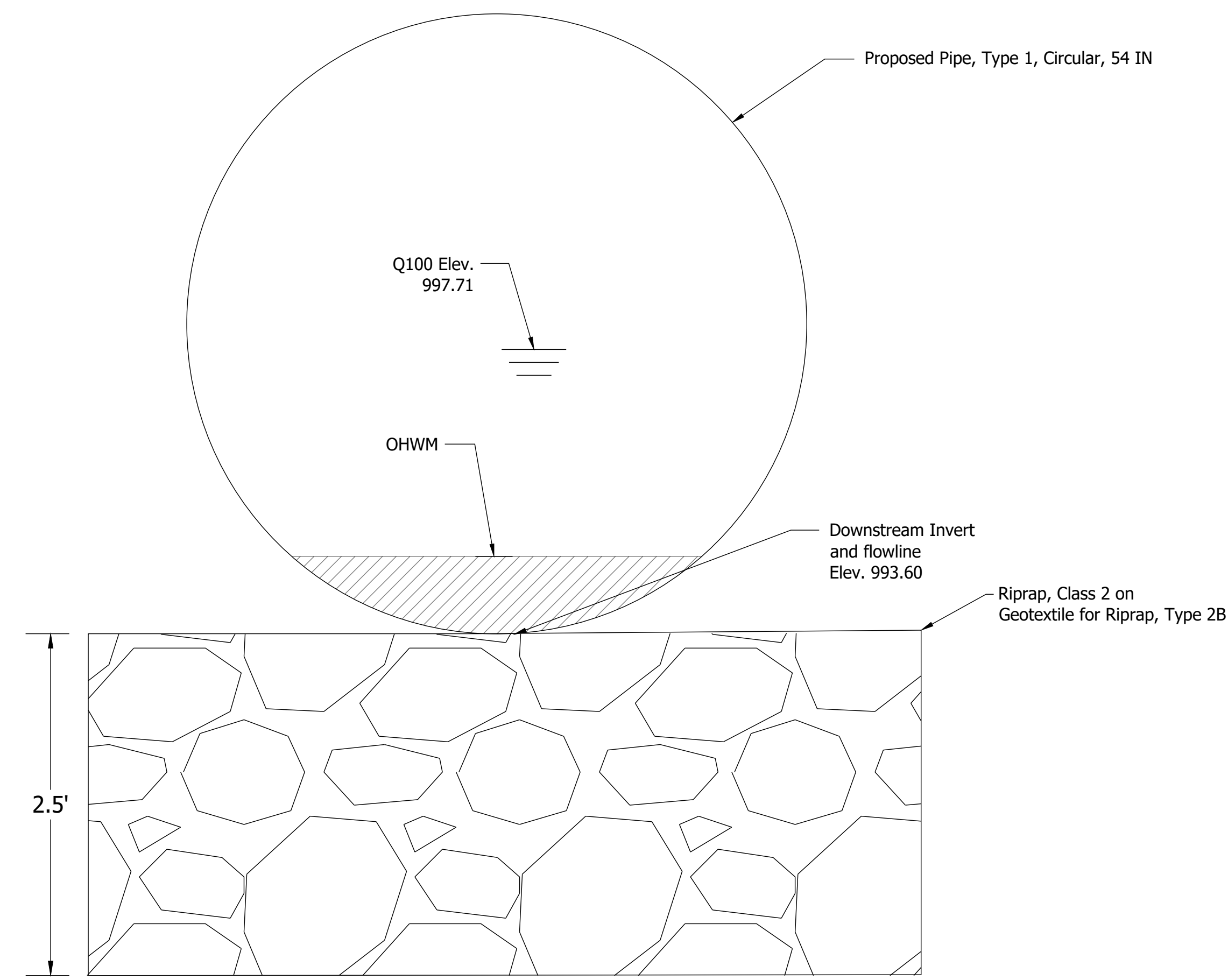
INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS

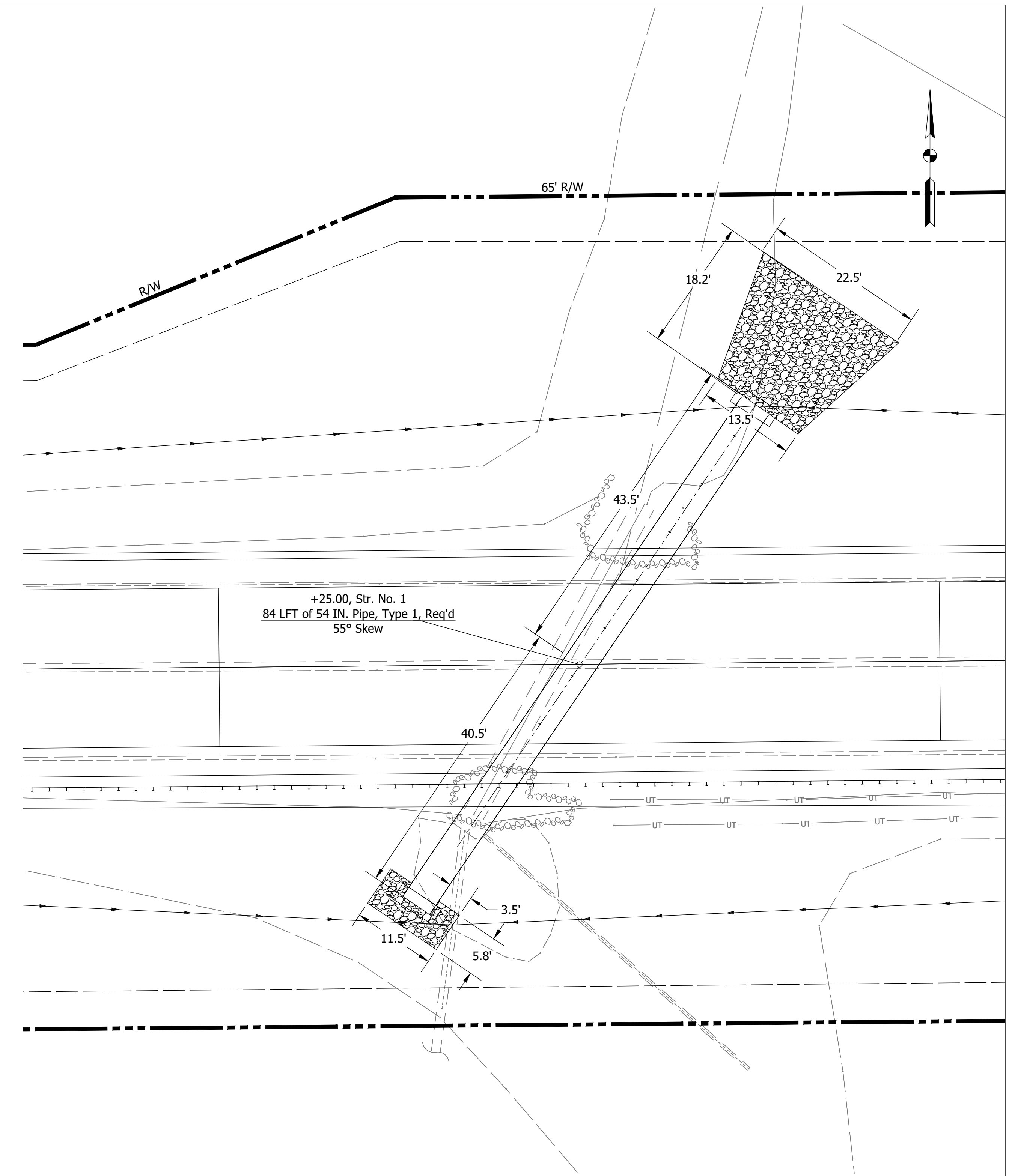
HORIZONTAL SCALE 1"=25'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 50 of 102
CONTRACT R-43491	PROJECT 1902734



ELEVATION
1" = 10'



PIPE OUTLET SECTION
1" = 3/4'



RIPRAP DETAIL
Scale: 1" = 10'

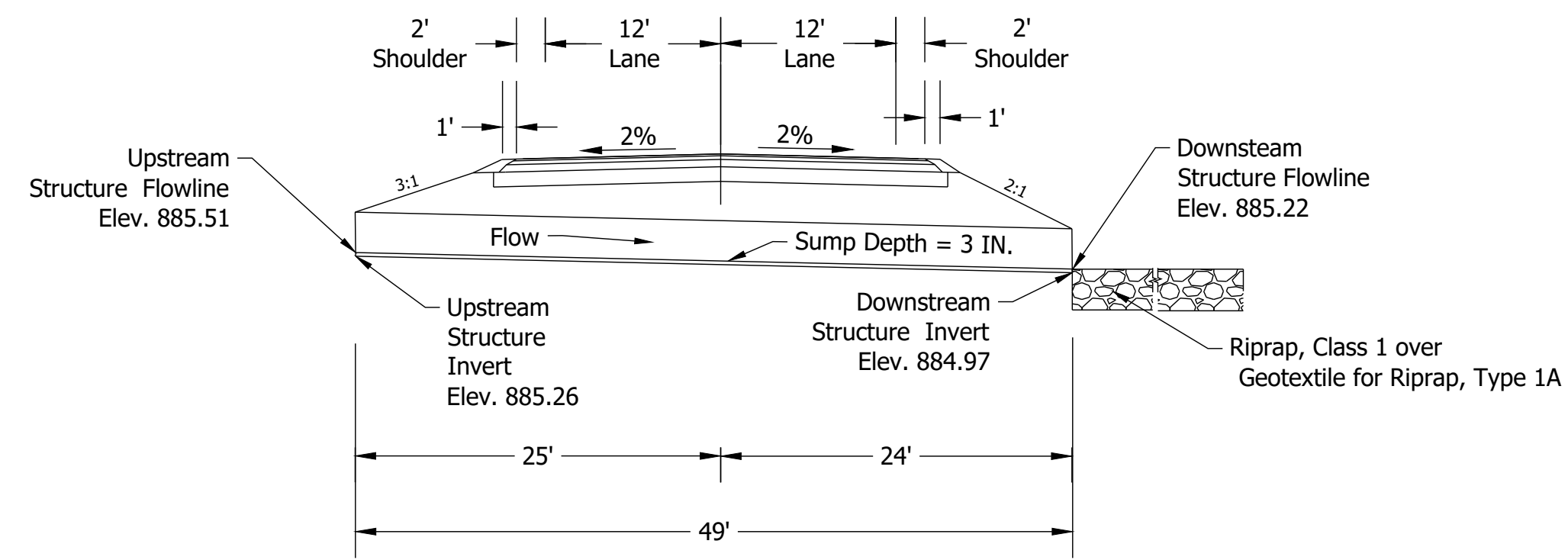
Date: Jul 20, 2022, 12:14pm User Name: BBritten File: X:\Production\Files\2020\1120-2028\PROJ-02\Departments\HY\CAD\Misc\DWG\Structure Details_Randolph County.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

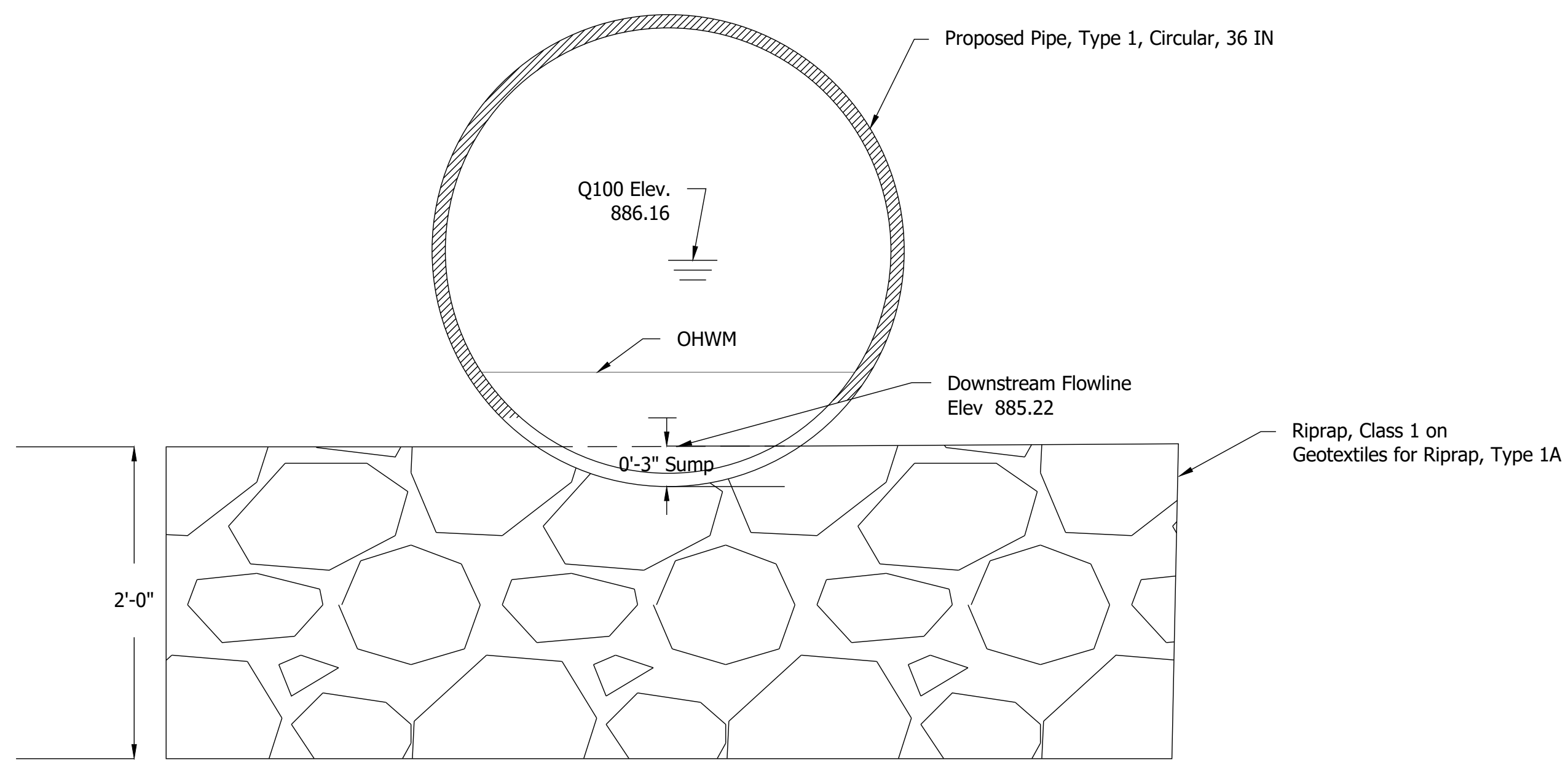
INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1

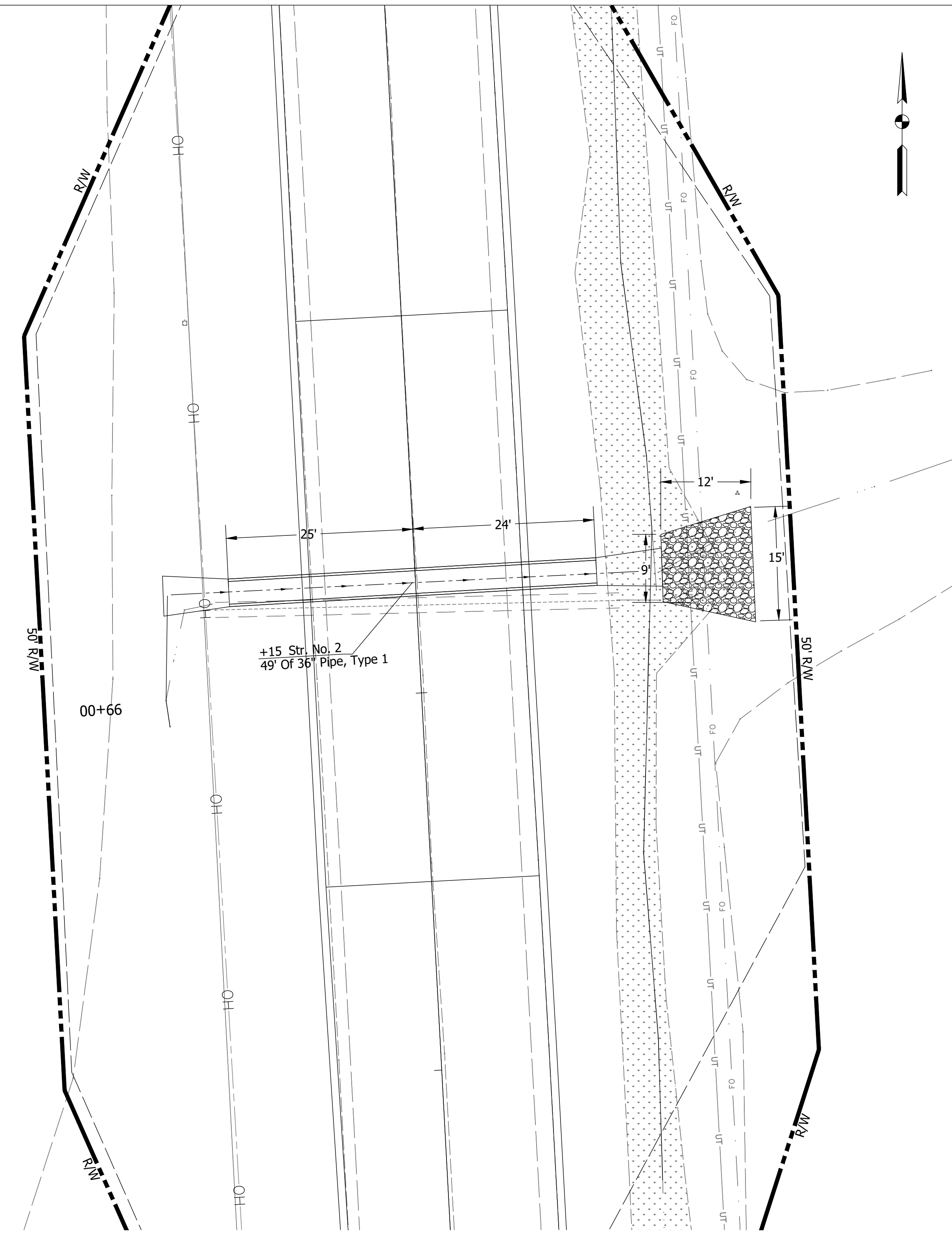
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	51 of 102
CONTRACT	PROJECT
R-43491	1902734



ELEVATION
1" = 10'



PIPE OUTLET SECTION
Scale: 1" = 3/4'



RIPRAP DETAIL
Scale: 1" = 10'

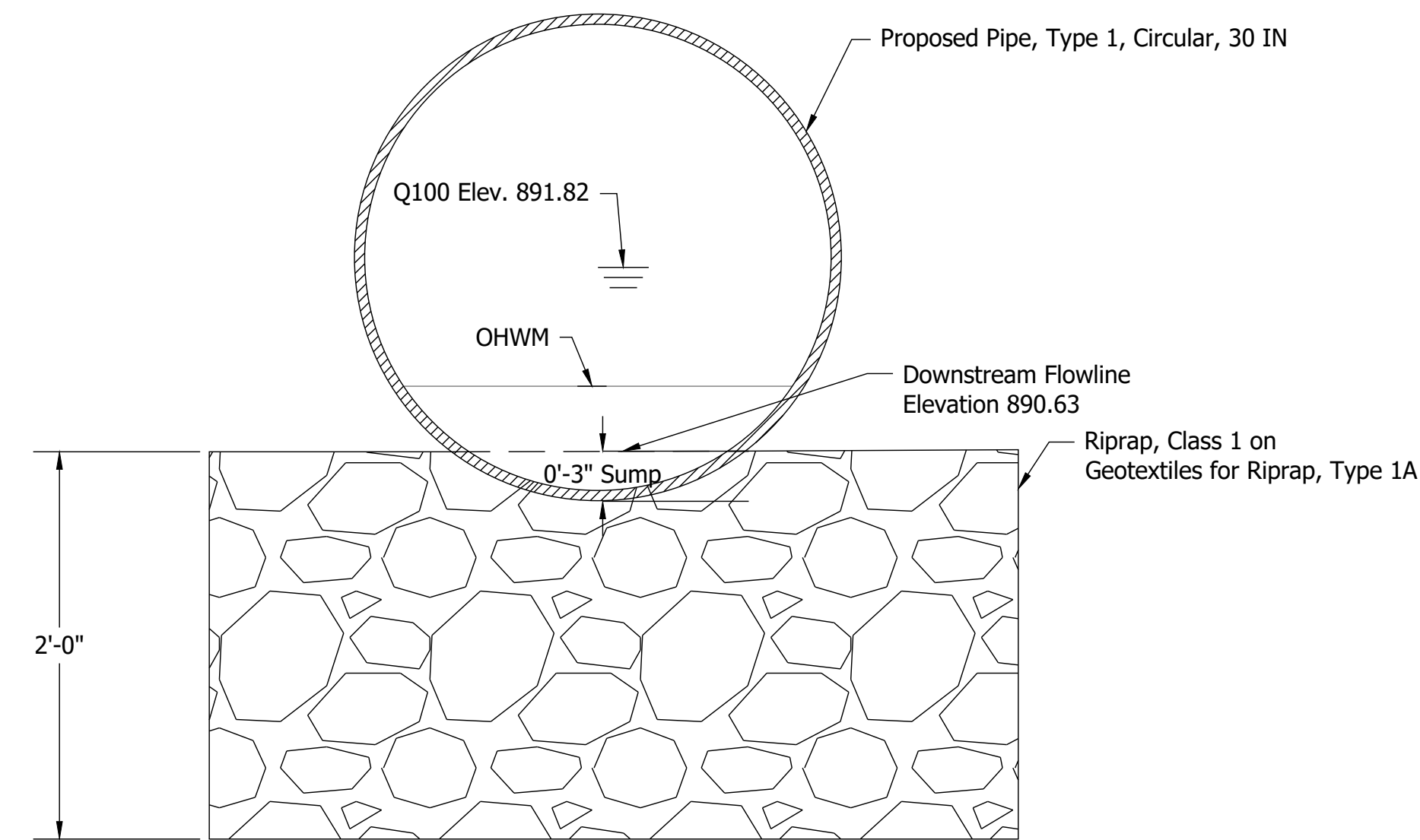
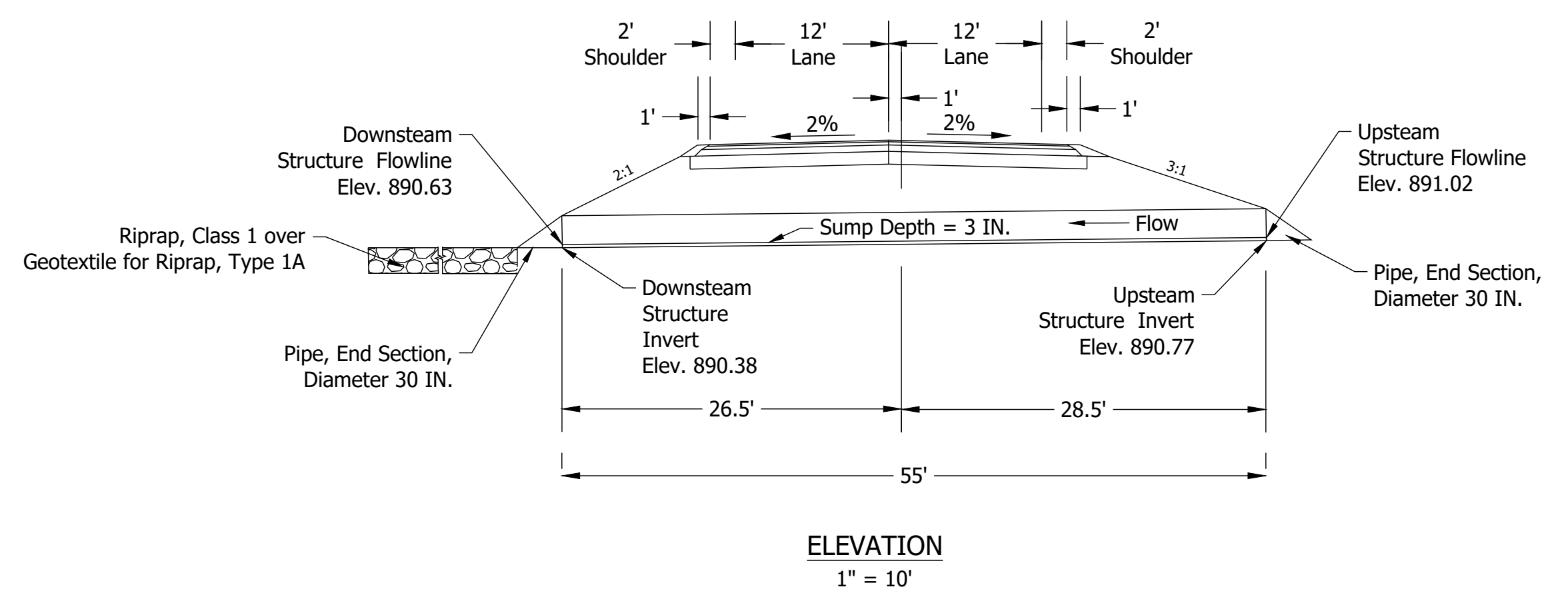
Date: Jul 20, 2022, 12:14pm User Name: BBritten File: X:\Production\Files\2020\1200-2028\PROJ-02\Departments\HY\CAD\Misc\DWG\Structure Details_Bry County.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ KMA _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

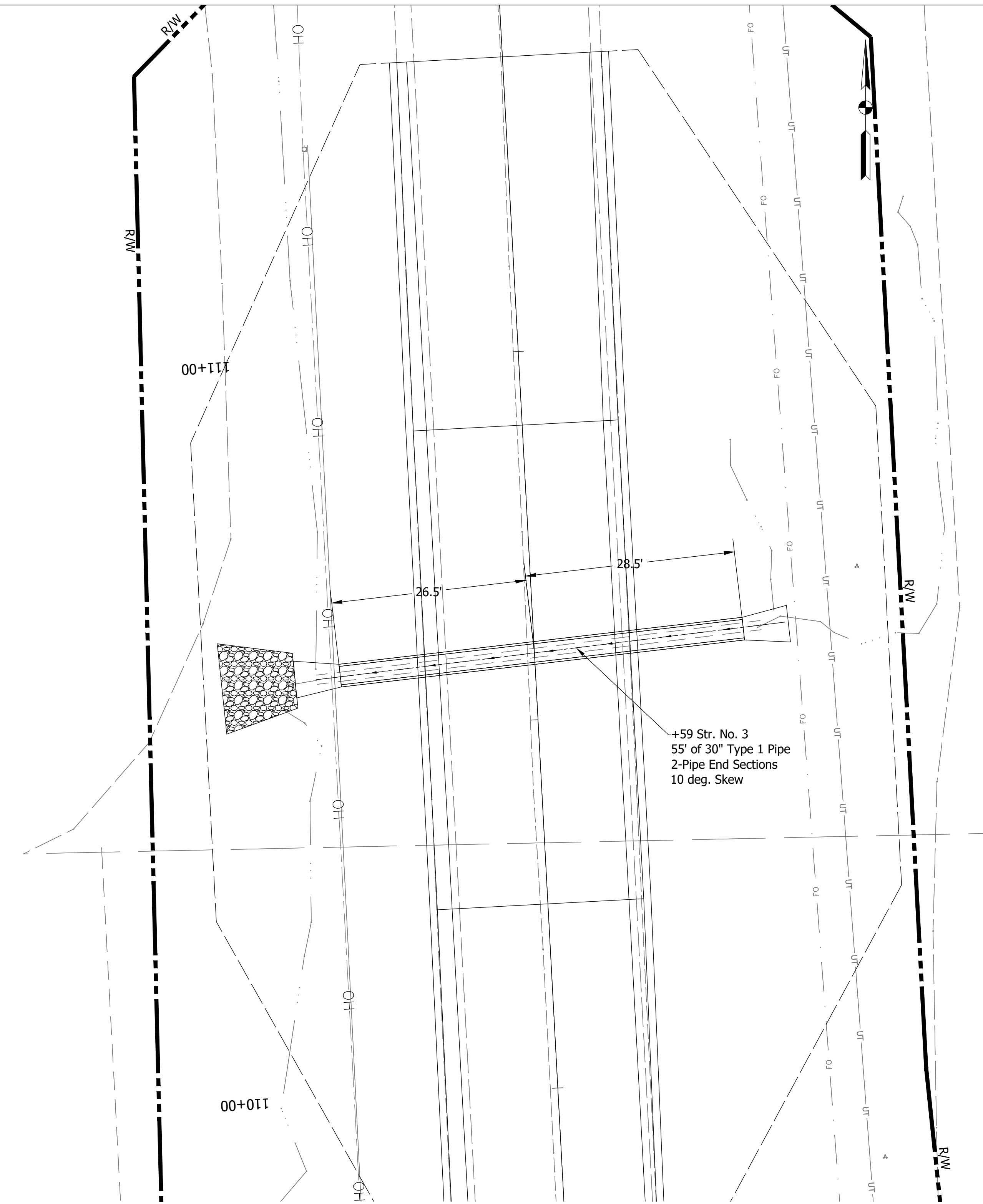
INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS
STR. NO. 2 (CLV-001-038-110.71) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	52 of 102
CONTRACT	PROJECT
R-43491	1902734



PIPE OUTLET SECTION
Scale: 1" = 3/4'



RIPRAP DETAIL
Scale: 1" = 10'

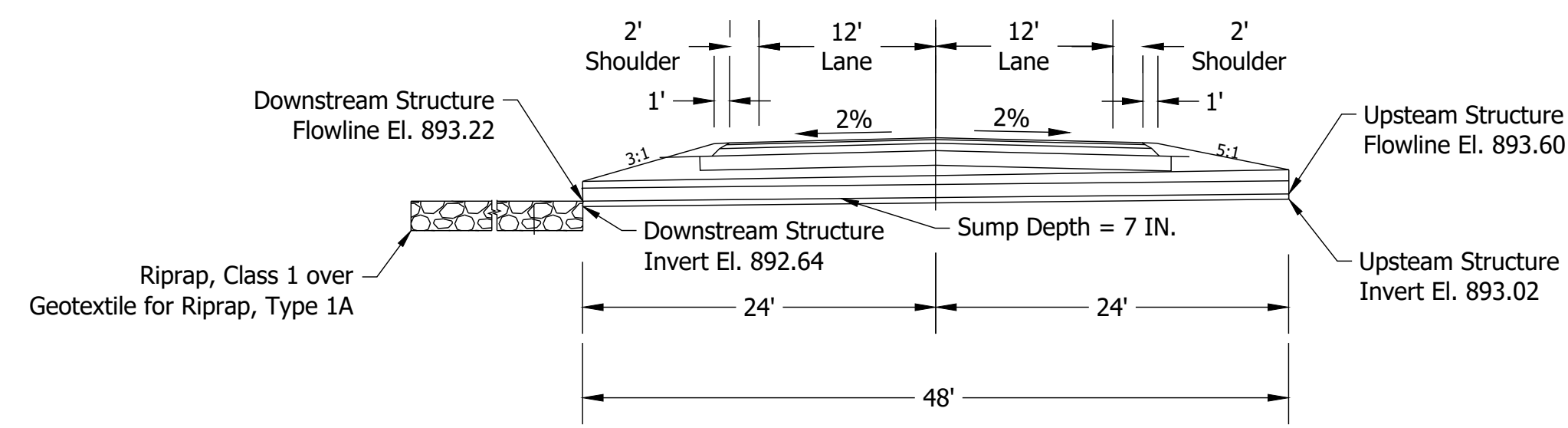
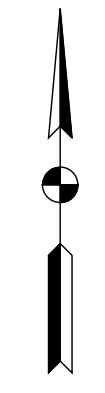
Date: Jul 20, 2022, 12:15pm User Name: BBritten
File: X:\Production\Files\2020\1120-2028\PRO-02\Departments\HYD\CD\Misc\DWG\Structure Details_Bry County.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

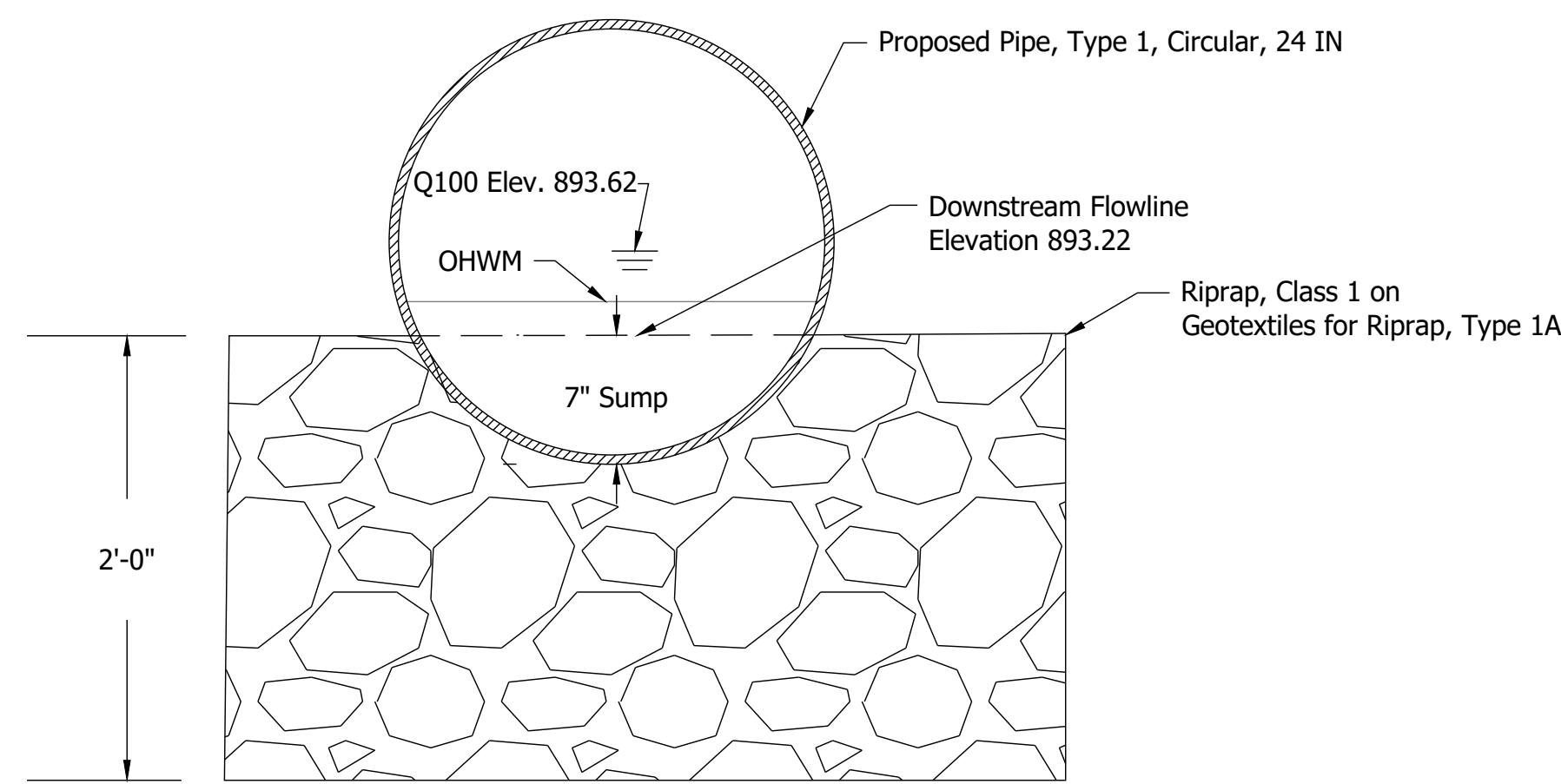
INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS
STR. NO. 3 (CLV-001-038-110.93) - S.R. 1

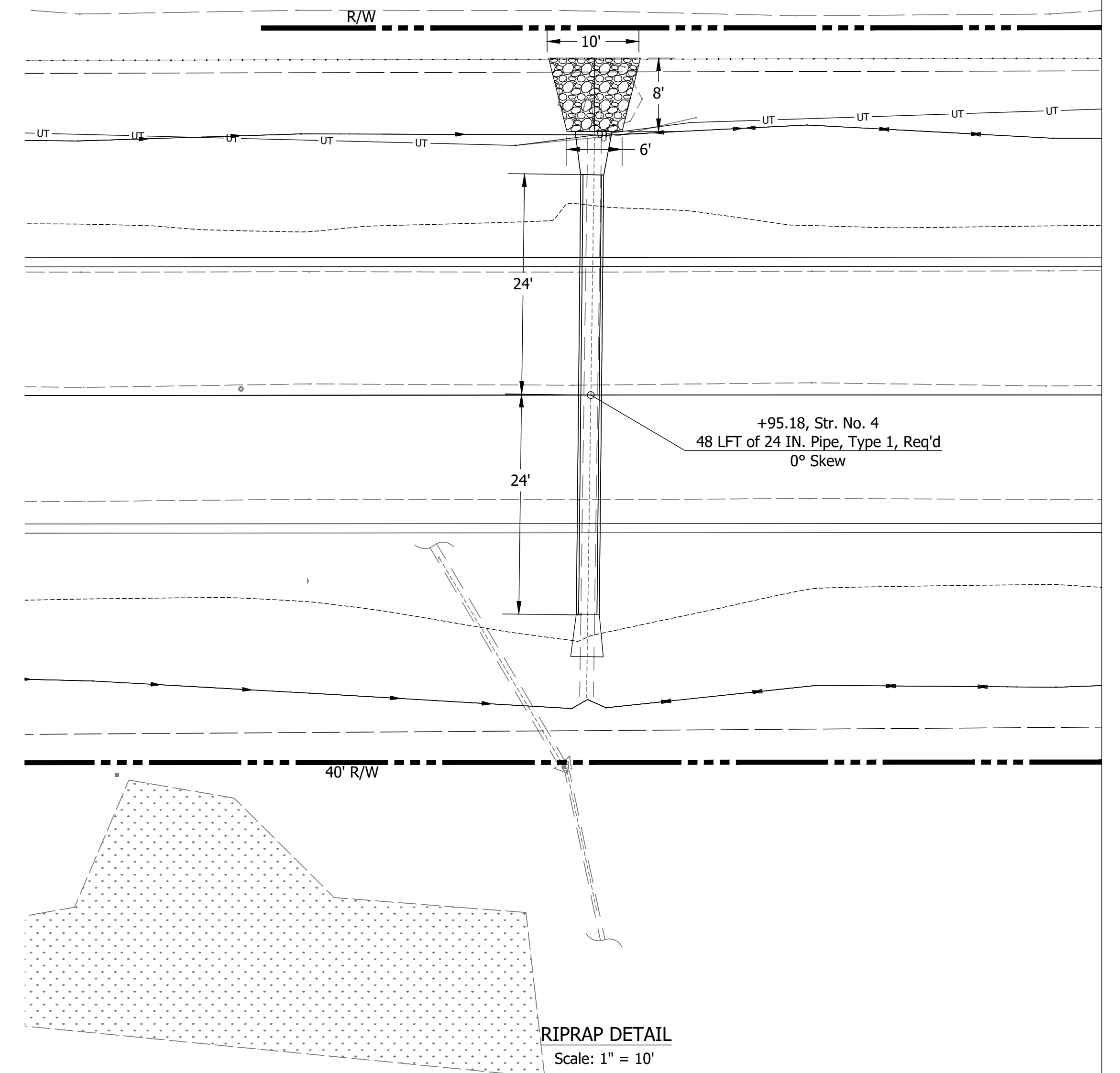
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	53 of 102
CONTRACT	PROJECT
R-43491	1902734



ELEVATION
 Scale: 1" = 10'



PIPE OUTLET SECTION
 Scale: 1" = 3/4'



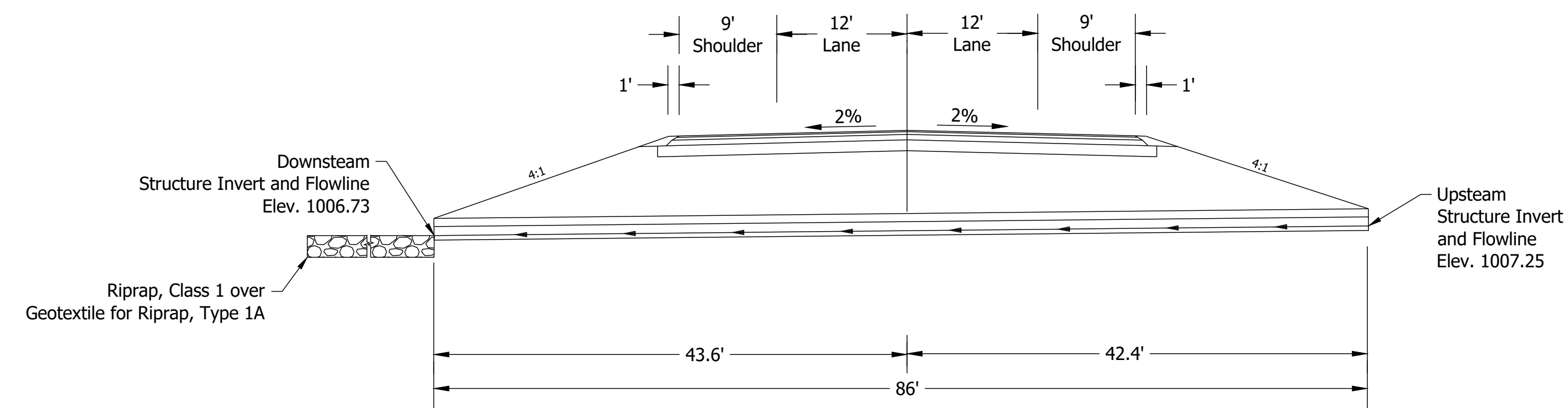
Date: Jul 20, 2022, 12:15pm User Name: BBritten File: X:\Production\Files\2020\1200-4028\PROJ-02\Departments\HY\CAD\Misc\DWG\Structure Details_Blackford County.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

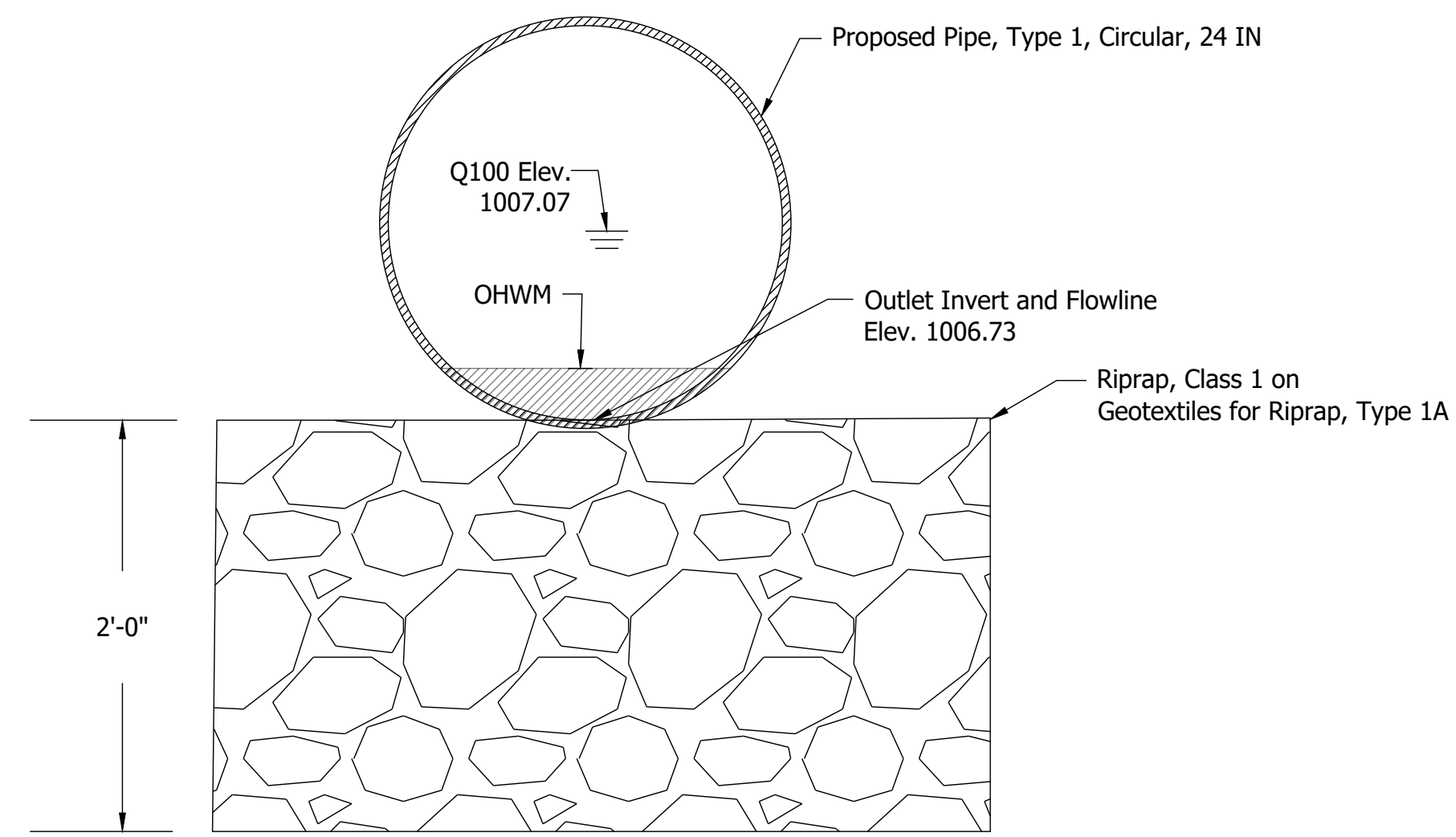
**INDIANA
 DEPARTMENT OF TRANSPORTATION**

**STRUCTURE DETAILS
 STR. NO. 4 (CLV-026-005-125.01) - S.R 26**

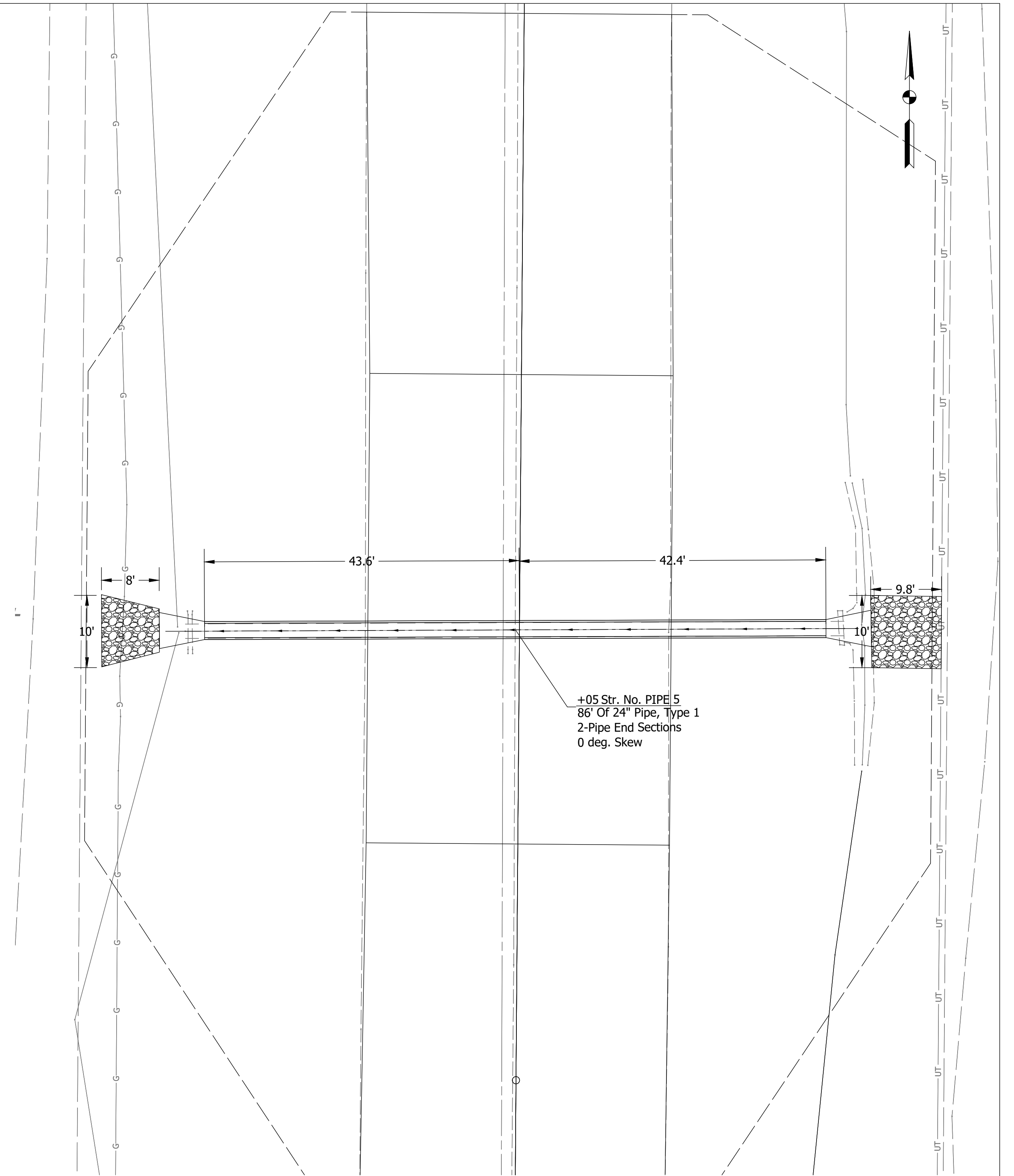
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	54 of 102
CONTRACT	PROJECT
R-43491	1902734



ELEVATION
1" = 10'



PIPE OUTLET SECTION
Scale: 1" = 3/4'



RIPRAP DETAIL
Scale: 1" = 10'

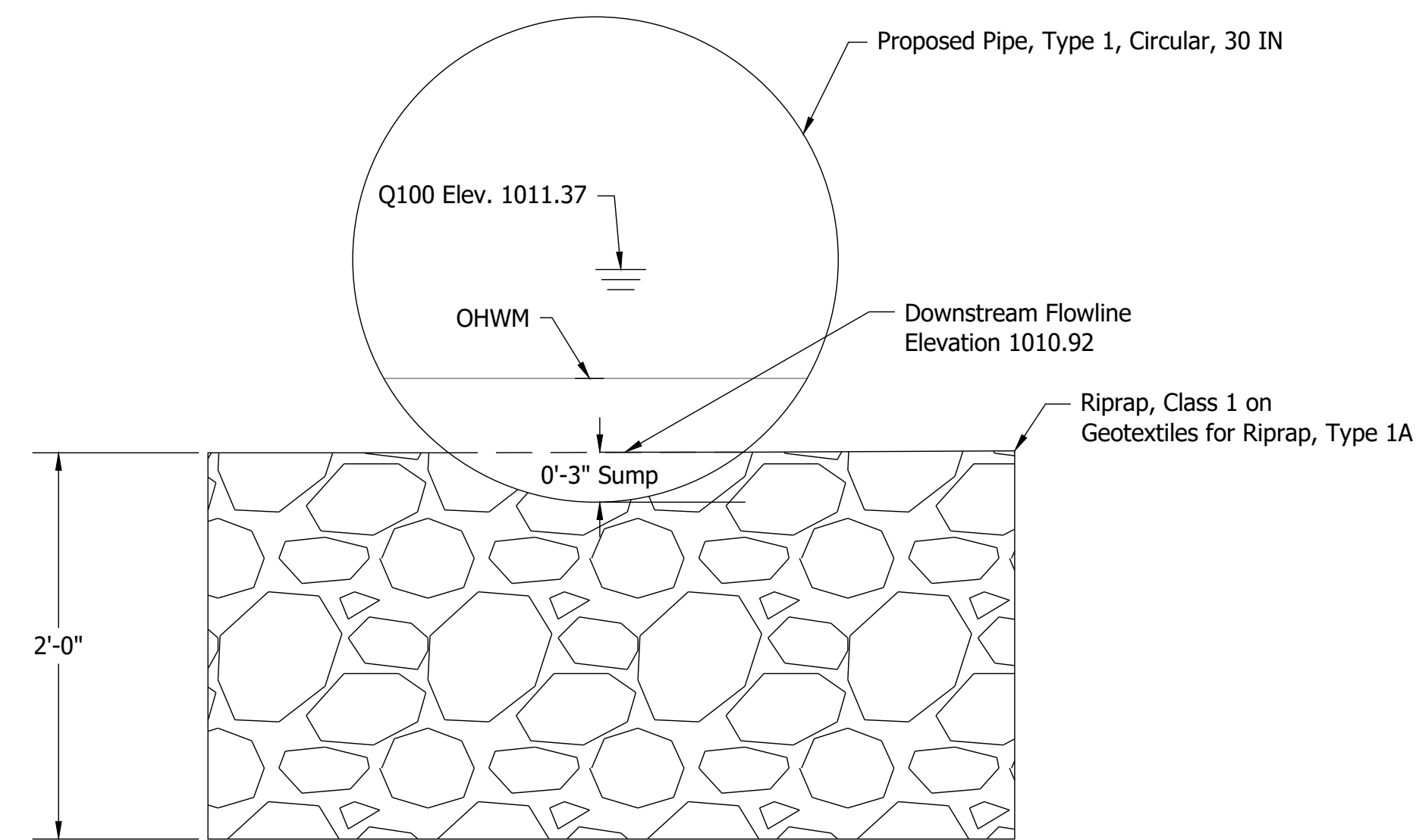
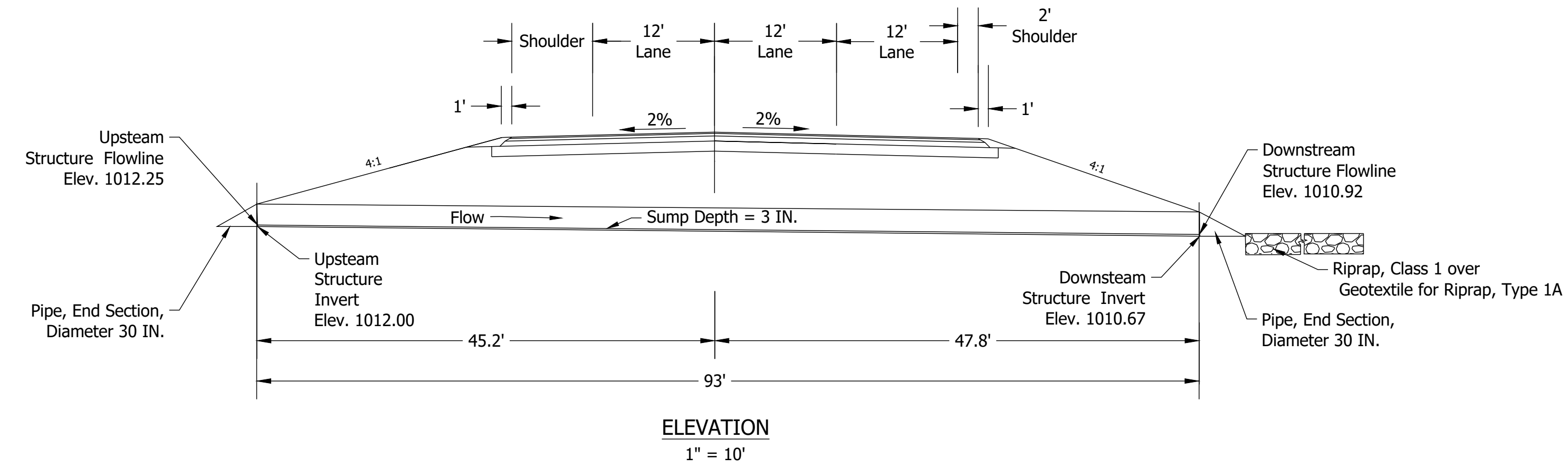
Date: Jul 20, 2022, 12:15pm User Name: BBritten File: X:\Production\Files\2020\1120-2028\PROJ-02\Departments\HY\CAD\Misc\DWG\Structure Details_Randolph County.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ KMA _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

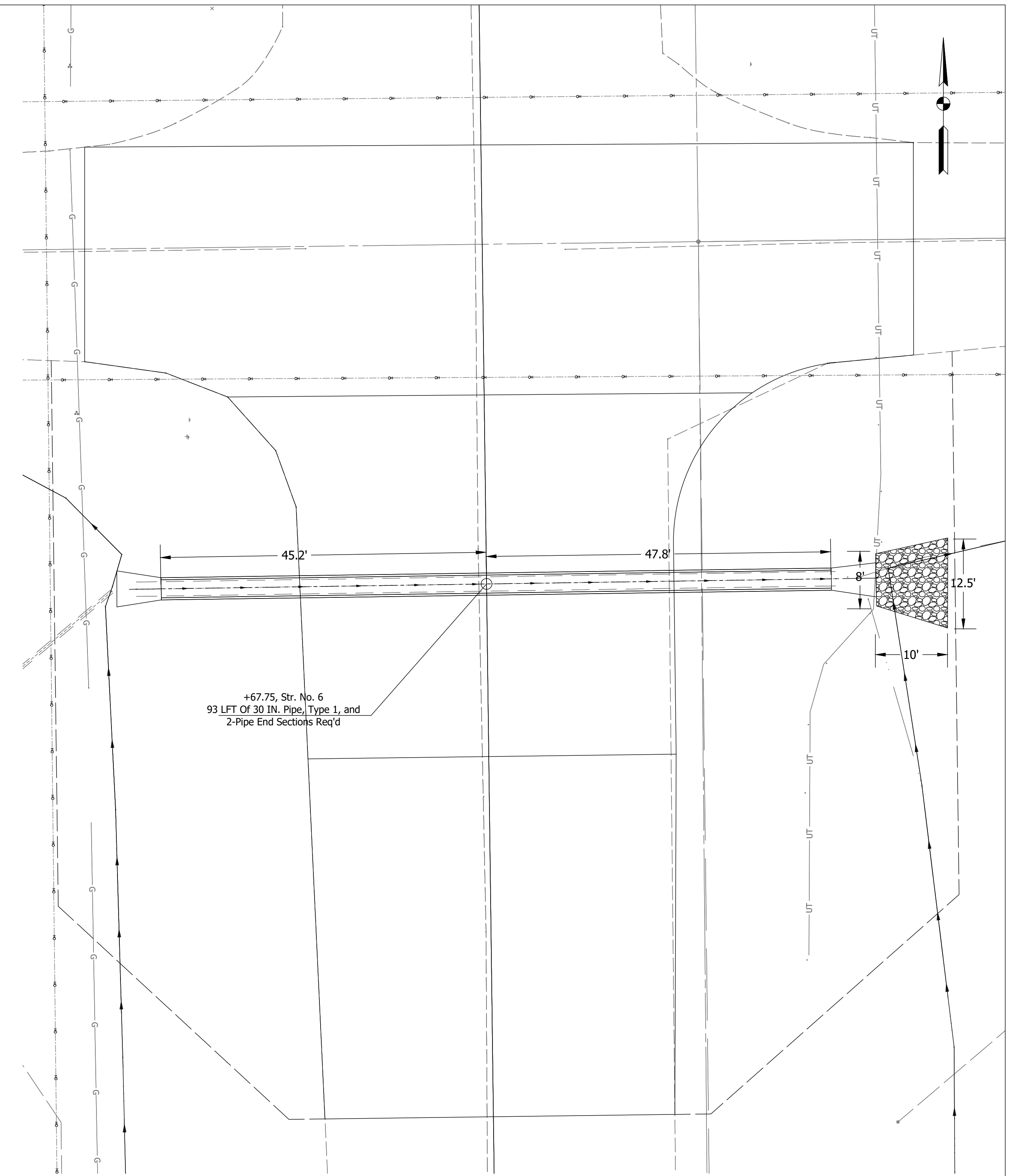
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**STRUCTURE DETAILS
STR. NO. 5 (CLV-027-068-55.25) - U.S. 27**

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	55 of 102
CONTRACT	PROJECT
R-43491	1902734



PIPE OUTLET SECTION
Scale: 1" = 3/4'



RIPRAP DETAIL
Scale: 1" = 10'

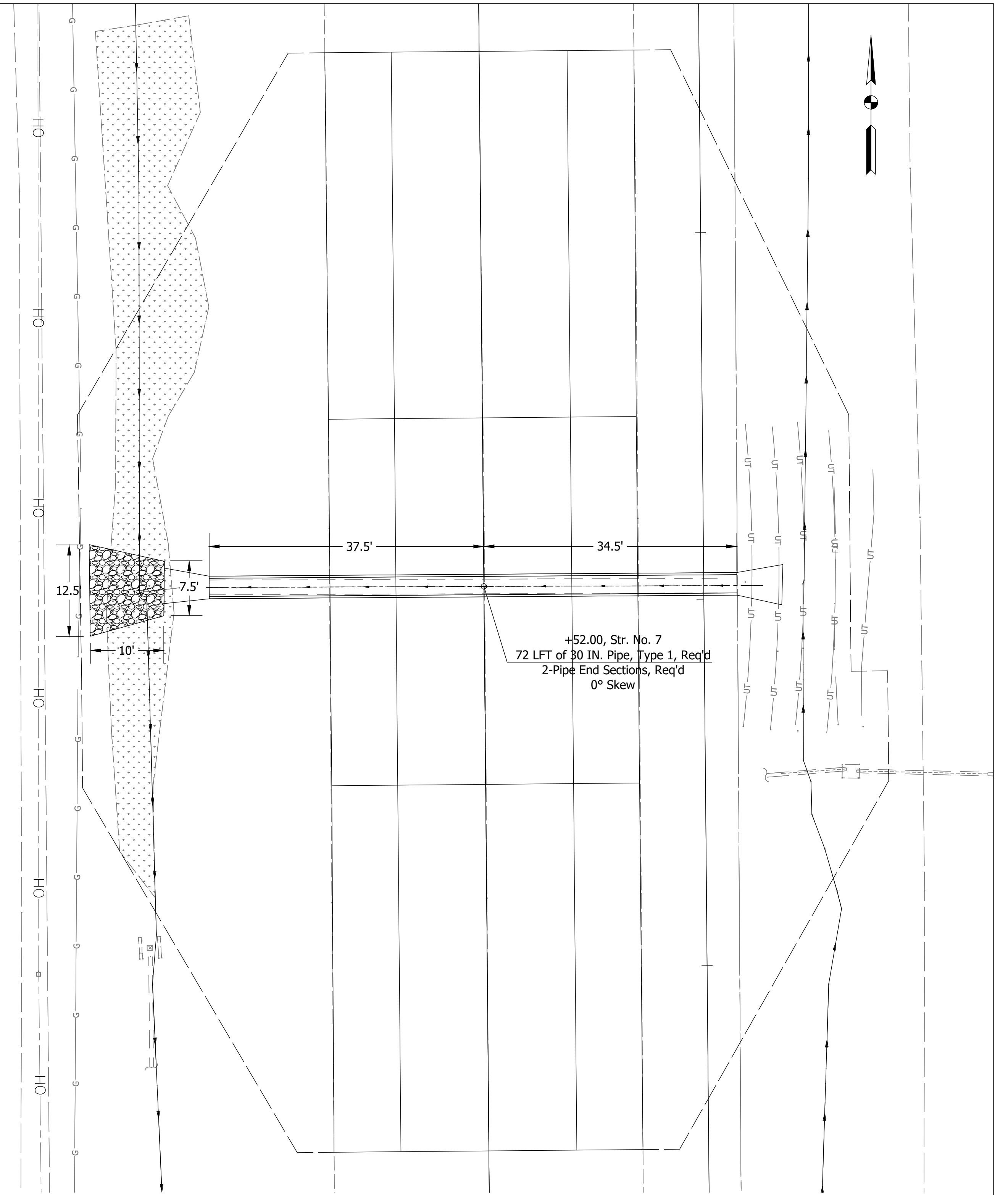
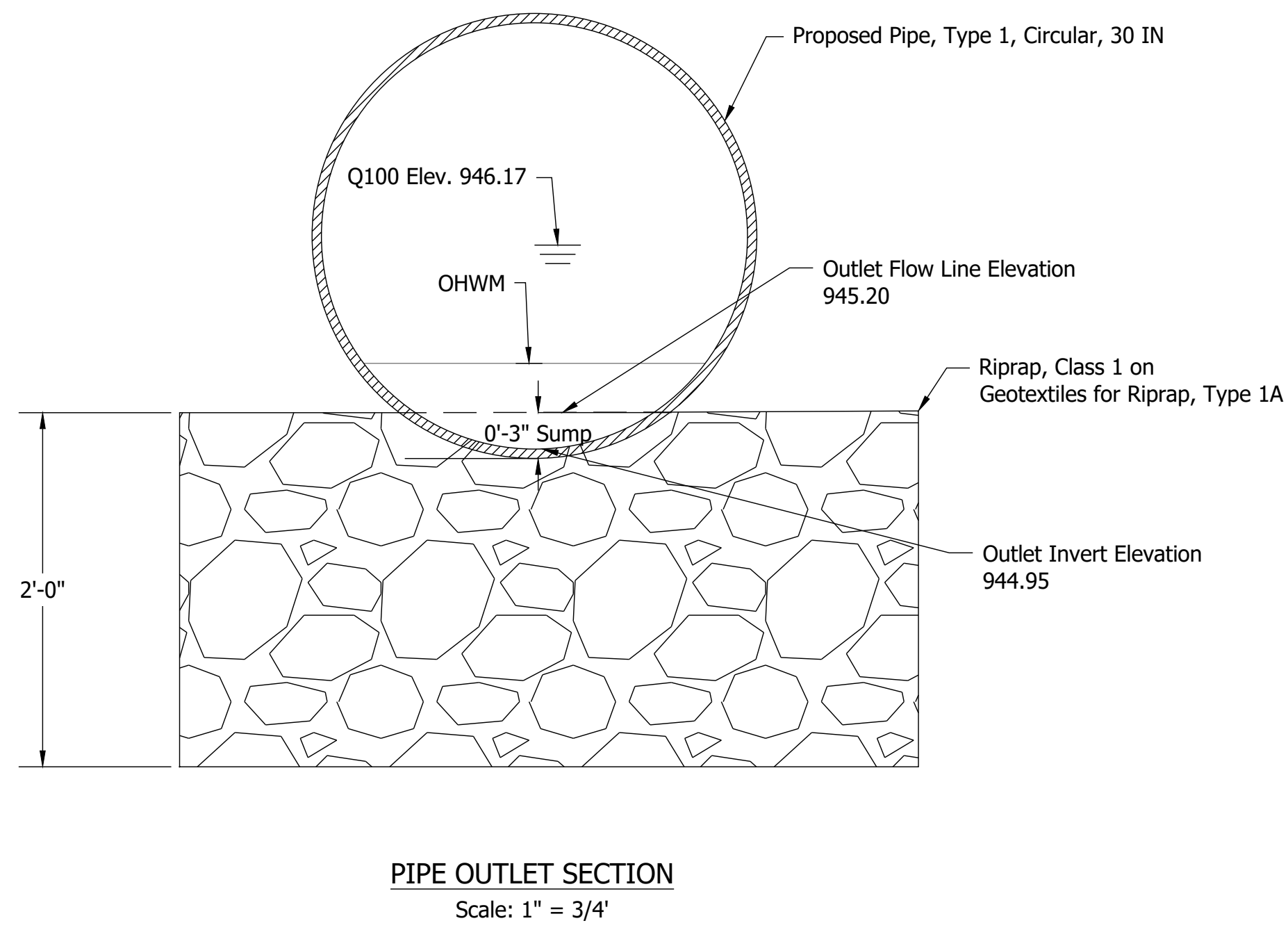
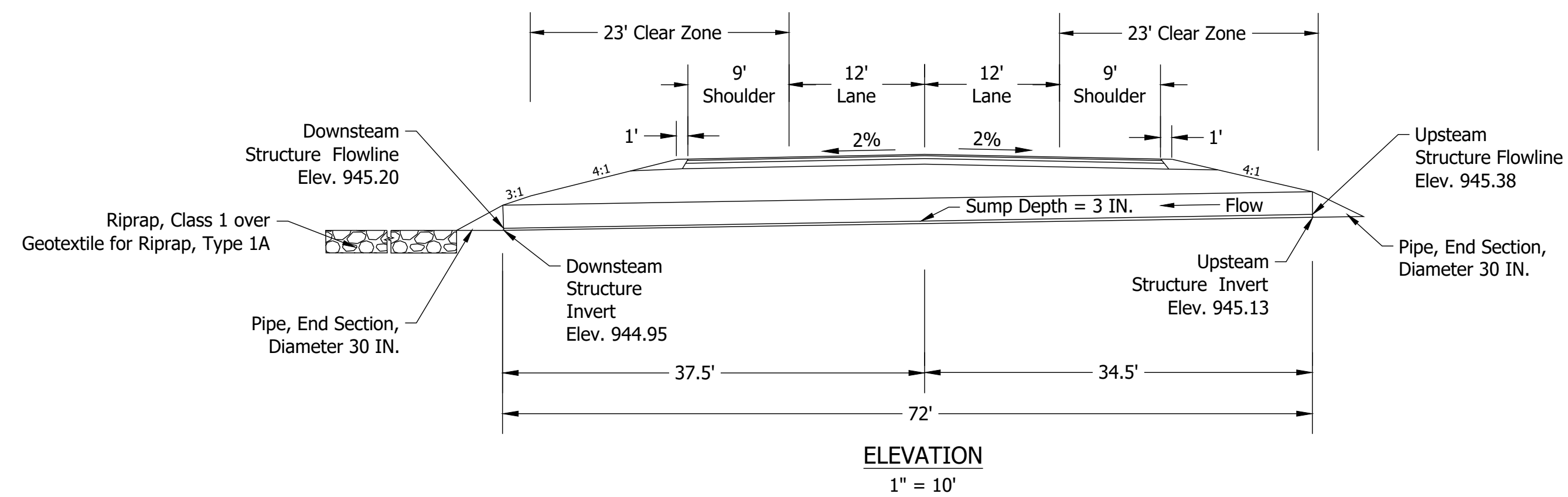
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS
STR. NO. 6 (CLV-027-038-57.06) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	56 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:16pm User Name: BBritten
File: X:\Production\Files\2020\1200-2028\PROJ-02\Departments\HY\CAD\Misc\DWG\Structure Details_Bry County.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ KMA _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS
STR. NO. 7 (CLV-027-038-61.28) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	57 of 102
CONTRACT	PROJECT
R-43491	1902734

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION			SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH	SKEW	FLOW LINE				SERVICE LIFE	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL		REVETMENT RIPRAP	RIPRAP, CLASS 1	RIPRAP, CLASS 2	GEOTEXTILE FOR RIPRAP, TYPE 1A	GEOTEXTILE FOR RIPRAP, TYPE 2B	VIDEO INSPECTION	PIPE END SECTION	PIPE END SECTION	GRATED BOX END SECTION		SAFETY METAL END SECTION			CONCRETE ANCHOR	CONNECT TO STRUCTURE	REMARKS													
	STATION	LEFT	CROSS						RIGHT	LFT	FT	ELEV.					ELEV.	IN.									YR	TYPE	CYS	TON	TON				TON	SYS	CYS	LFT	EA.	TYPE	SLOPE	EA.	TYPE	SLOPE	EA.	EA.	EA.
1	LINE SR-1, 29+25.00	X			54	1	Pipe	84	55	2.50	993.97	993.60	-	75	N	7	1	1	68.50		56		39	157																							
2	LINE A-1, 99+15.00	X			36	1	Pipe	49	-	2.50	885.51	885.22	3	75	N	7	1	1	45.80			28	38													2											
3	LINE A-1, 110+59.00	X			30	1	Pipe	55	10	3.70	891.02	890.63	3	75	N	7	1	1	42.10		12		20			2																					
4	LINE A 608+95.00	X			24	1	Pipe	48	-	1.10	893.60	893.22	7	75	N	7	1	1	13.10			8	15																								
5	LINE US-27 329+05	X			24	1	Pipe	86	-	6.50	1007.25	1006.73	-	75	N	7	1	1	84.10	12	8		38			2																					
6	LINE PR1, 423+24.00	X			30	1	Pipe	93	-	5.30	1012.25	1010.92	3	75	N	7	1	1	85.10		17		11			2																					
7	LINE PR1, 646+52.00	X			30	1	Pipe	72	-	2.90	945.38	945.20	3	75	N	7	1	1	42.60		14		9			2																					

INT. DES.	STRUCTURE NUMBER							
	1	2	3	4	5	6	7	
PIPE TYPE / SHAPE (CIR or DEF)	1 / CIR	1 / CIR	1 / CIR	1 / CIR	1 / CIR	1 / CIR	1 / CIR	
SMOOTH PIPE SIZE								
CORRUGATED PIPE SIZE	54"							
SEMI-SMOOTH PIPE SIZE								
CONC.	RCP/RCHP (S)	CLASS II	CLASS II	CLASS II	CLASS II	CLASS II	CLASS II	
	D _{0.01} RATING	1000	1000	1000	1000	1000	1000	
	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)		OK	OK	OK	OK	OK	
	CORRUGATED PE PIPE, TYPE S (S)*		OK	OK	OK	OK	OK	
	PROFILE WALL (RIBBED) PE PIPE (S)*		OK	OK	OK	OK	OK	
	PROFILE WALL (CLOSED) PE PIPE (S)*		OK	OK	OK	OK	OK	
	SMOOTH WALL PE PIPE (S)* / MAXIMUM DR			OK / 26	OK / 26	OK / 26	OK / 26	
	CORRUGATED PP PIPE (S)		OK	OK	OK	OK	OK	
	PROFILE WALL PVC PIPE (S)		OK	OK	OK	OK	OK	
	SMOOTH WALL PVC PIPE (S)*		OK	OK	OK	OK	OK	
CLAY	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)		OK	OK	OK	OK	OK	
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)							
	THICKNESS							
	ZINC COATED (C)							
	THICKNESS	2 2/3" x 1/2"						
	ZINC COATED W/ BPI (C)							
	THICKNESS	0.138						
	CORR. PROFILE	2 2/3" x 1/2"						
	THICKNESS	0.109						
	ALUM. COATED TYPE 2 (C)							
	THICKNESS	2 2/3" x 1/2"						
	POLYMER PRECOATED GALVANIZED (C)							
	THICKNESS	0.109						
	POLYMER PRECOATED GALVANIZED							
	CORRUGATED STEEL PIPE TYPE 1A (S)							
	THICKNESS	2 2/3" x 1/2"						
	CORR. PROFILE	0.105						
	THICKNESS							
	CORRUGATED ALUM. ALLOY (C)							
	THICKNESS							
	CORR. PROFILE							
	THICKNESS							
	CORRUGATED ALUM. ALLOY W/ BPI (C)							
	THICKNESS							
	RIB PROFILE							
	THICKNESS							
	ZINC COATED (SS)							
	THICKNESS							
	ZINC COATED W/ BPI (SS)							
	THICKNESS							
	ALUM. COATED TYPE 2 (SS)							
	THICKNESS							
	POLYMER PRECOATED GALVANIZED (SS)							
	THICKNESS							
	CORR. PROFILE							
	THICKNESS							
	STR. PLATE ALUMINUM ALLOY (C)							
	THICKNESS							
	STR. PLATE ALUMINUM ALLOY W/ CFP (C)							
	THICKNESS							
	STR. PLATE STEEL (C)							
	THICKNESS **							
	STR. PLATE STEEL W/ CFP (C)							
	THICKNESS **							

LEGEND

- PIPE MATERIAL**
- RCP Reinforced Concrete Pipe
 - RCHP 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
- PIPE SIZE**
- 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 .280 in., bottom plates shall be of next greater available thickness.

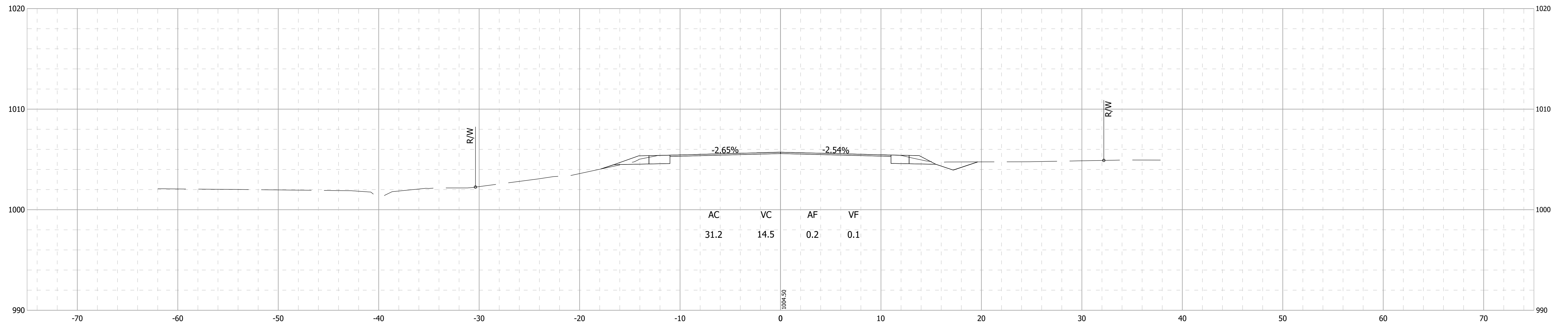
PAVEMENT MARKINGS TABLE

LOCATION	LINE, THERMOPLASTIC				LINE, PAINT				RAISED PAVEMENT MARKINGS
	SOLID WHITE 6 IN. FT	SOLID WHITE 24 IN. FT	SOLID YELLOW 6 IN. FT	BROKEN YELLOW 6 IN. FT	BROKEN YELLOW 6 IN. FT	SOLID YELLOW 6 IN. FT	SOLID WHITE 6 IN. FT	EA	
STR. NO. 1 (CLV-001-068-87.96)		19				1188	1190	15	
STR. NO. 2 (CLV-001-038-110.71)					50		350	5	
STR. NO. 3 (CLV-001-038-110.93)					50		330	5	
STR. NO. 4 (CLV-026-005-125.01)						600	600	8	
STR. NO. 5 (CLV-027-068-55.25)	1326		645	170				17	
STR. NO. 6 (CLV-027-038-57.06)	1991	30		170				18	
STR. NO. 7 (CLV-027-038-61.28)	1380			170				18	
TOTAL	4697	49	645	510	100	1788	2470	86	

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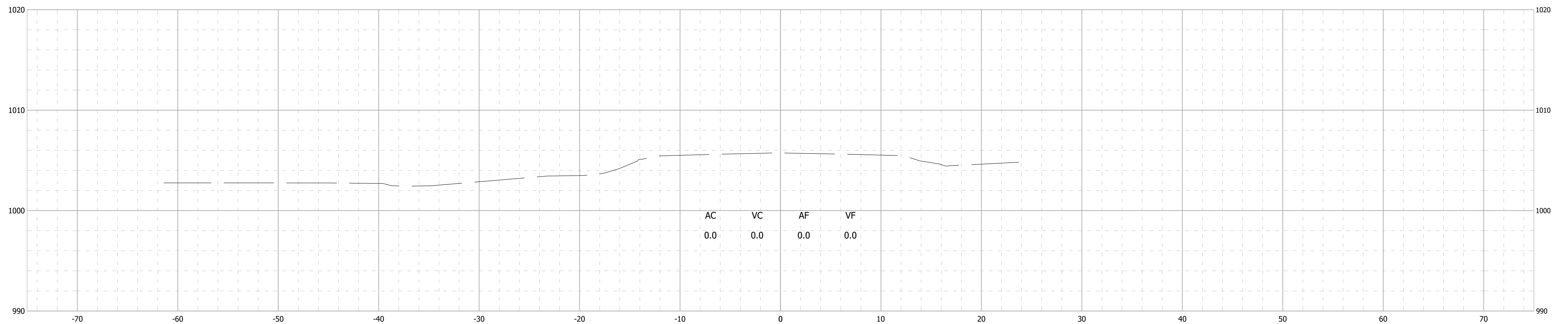
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE _____ BRIDGE FILE _____ N/A _____ N/A _____ VERTICAL SCALE _____ DESIGNATION _____ N/A _____ 1902734 _____
DESIGNED: _____ SCS _____ DRAWN: _____ SCS _____ CHECKED: _____ AJK _____ CHECKED: _____ AJK _____	MISCELLANEOUS TABLES	SURVEY BOOK _____ SHEETS _____ ELECTRONIC _____ 58 _____ of _____ 102 _____ CONTRACT _____ PROJECT _____ R-43491 _____ 1902734 _____

26+25



Begin Incidental Construction
Sta. 26+10.00 Line "SR 1"

26+00



Date: Jul 20, 2022, 12:16pm User Name: BBritten
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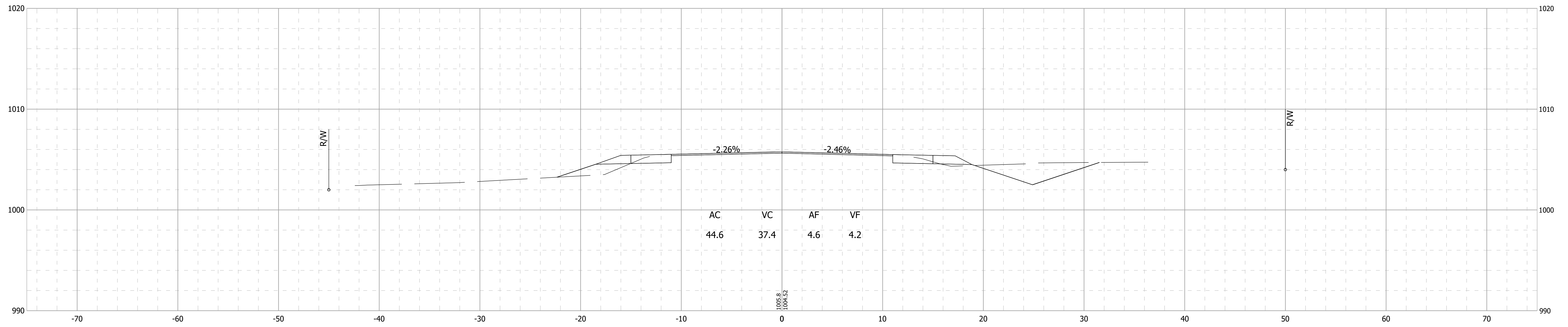
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DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "SR-1"
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1

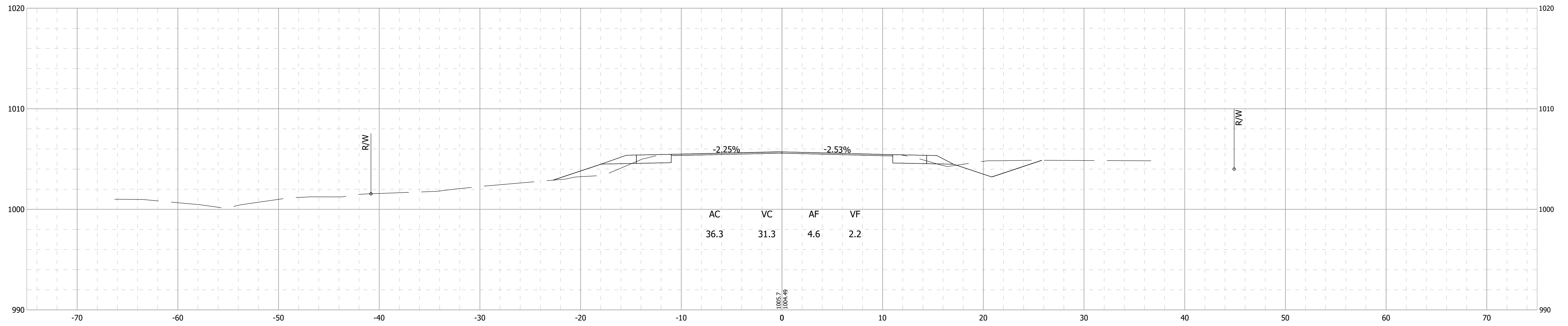
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1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	60 of 102
CONTRACT	PROJECT
R-43491	1902734

26+75



Begin Construction
Sta. 26+60.00 Line "SR 1"

26+50



Date: Jul 20, 2022, 12:16pm User Name: BBritten File: X:\Production\Files\2020\120-0228\PROJ-02\Departments\HY\CAD\CrossSect\Cross Sections_Randolph County.dwg

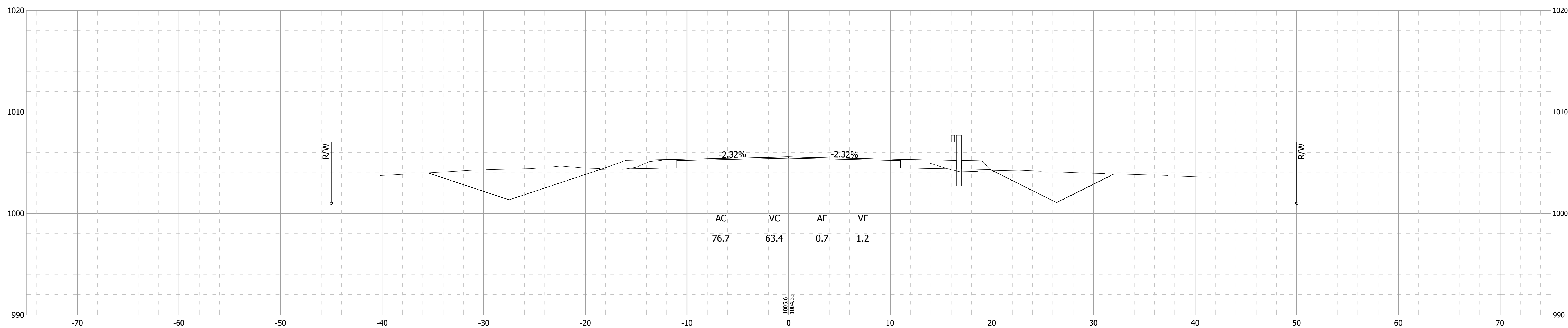
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DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

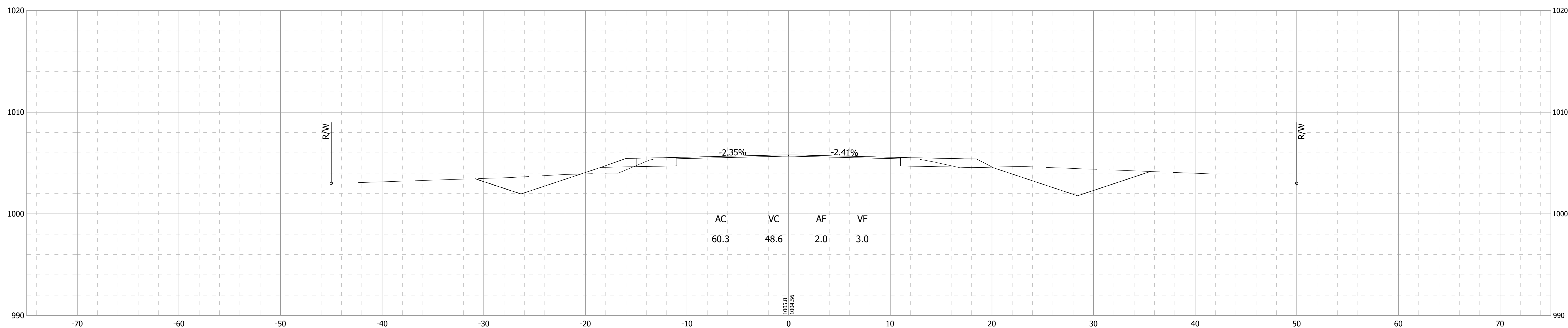
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STR. NO. 1 (CLV-001-068-87.96) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	61 of 102
CONTRACT	PROJECT
R-43491	1902734

27+25



27+00



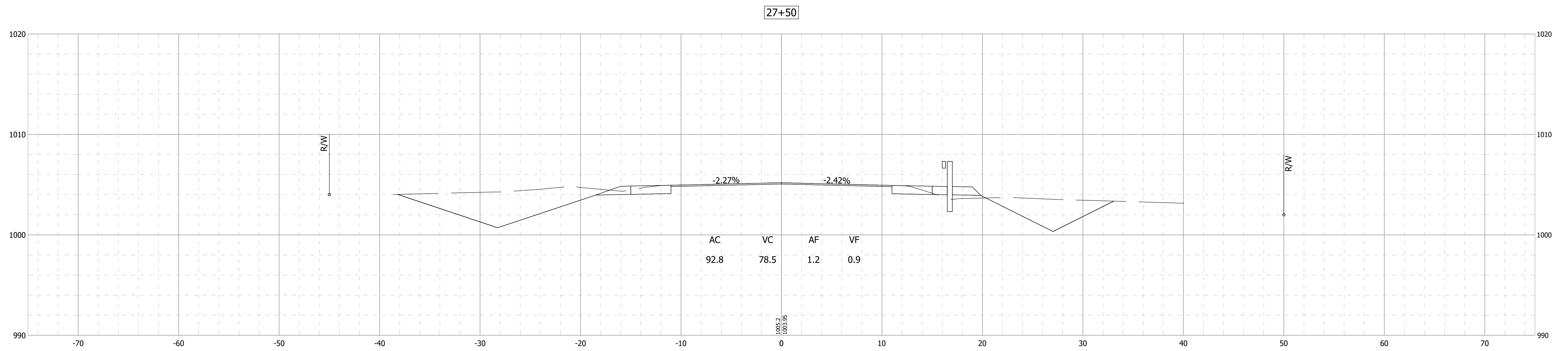
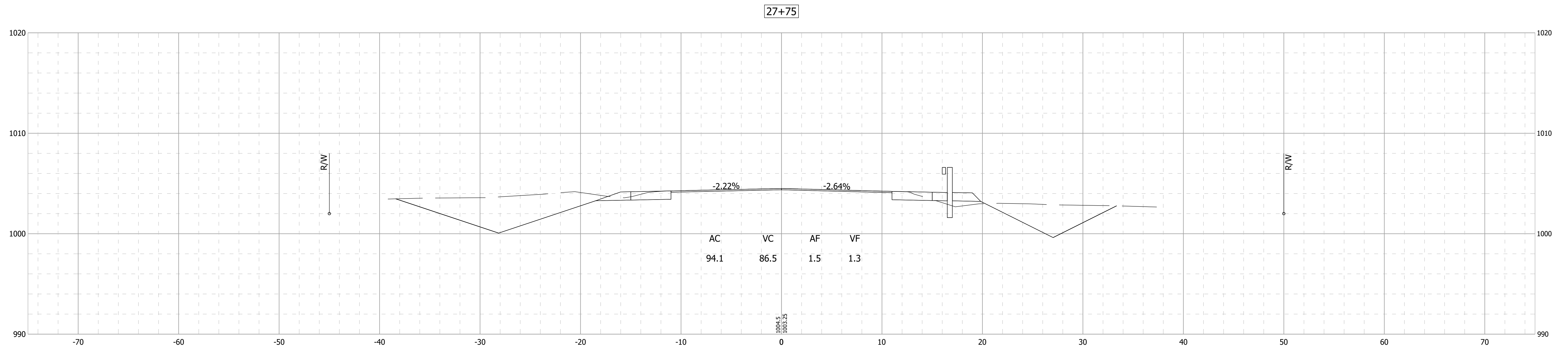
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "SR-1"
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	62 of 102
CONTRACT	PROJECT
R-43491	1902734



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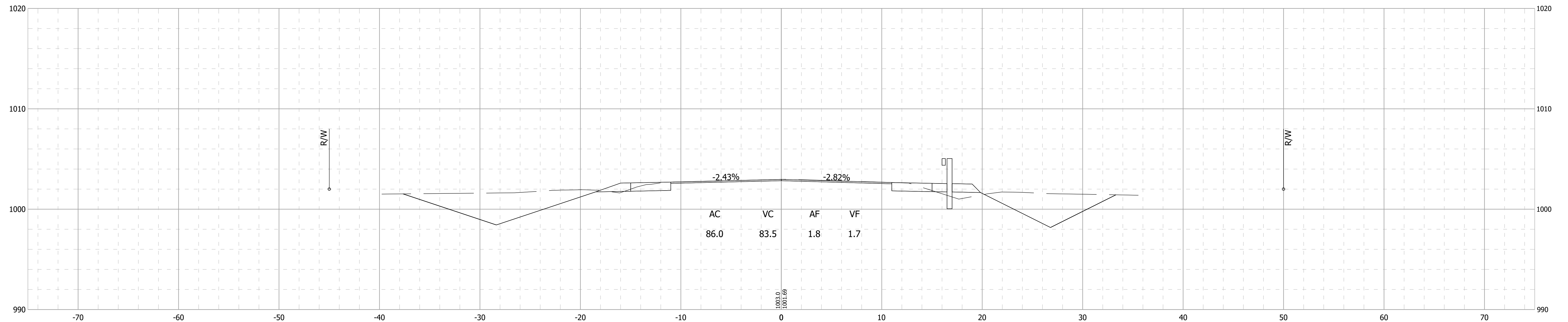
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**INDIANA
DEPARTMENT OF TRANSPORTATION**

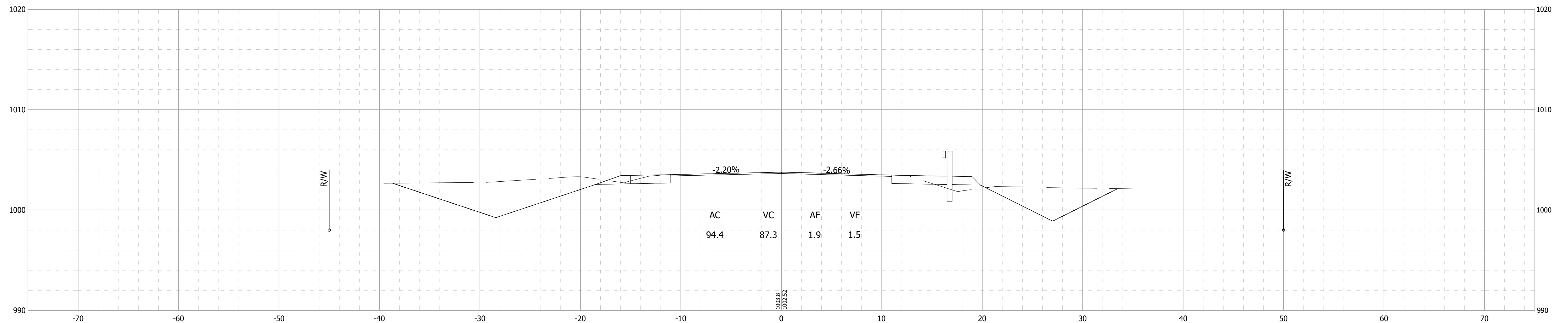
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STR. NO. 1 (CLV-001-068-87.96) - S.R. 1**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	63 of 102
CONTRACT	PROJECT
R-43491	1902734

28+25



28+00



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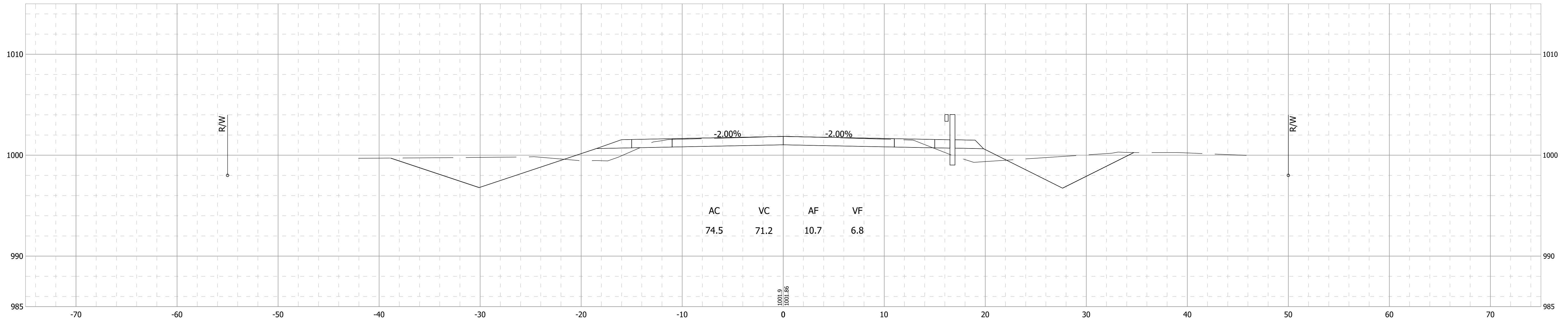
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INDIANA
DEPARTMENT OF TRANSPORTATION

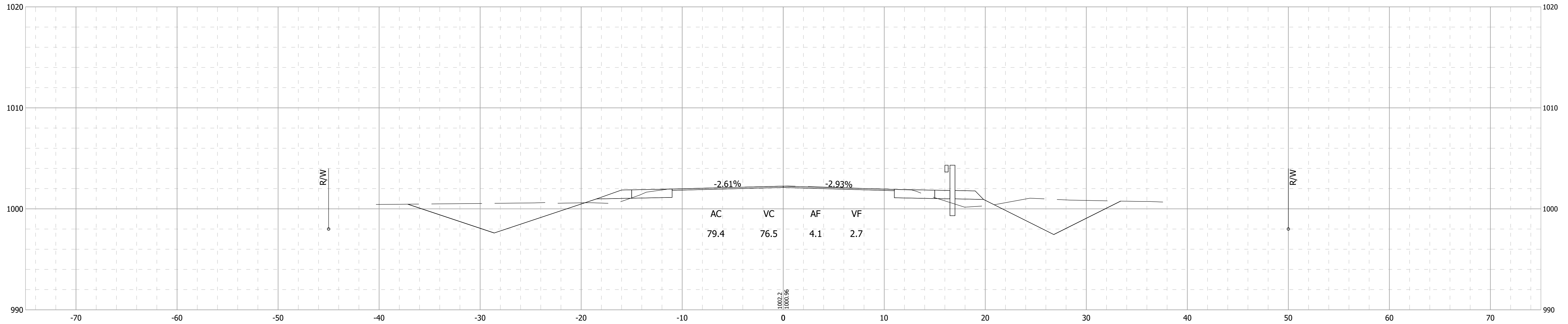
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HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	64 of 102
CONTRACT	PROJECT
R-43491	1902734

28+75



28+50



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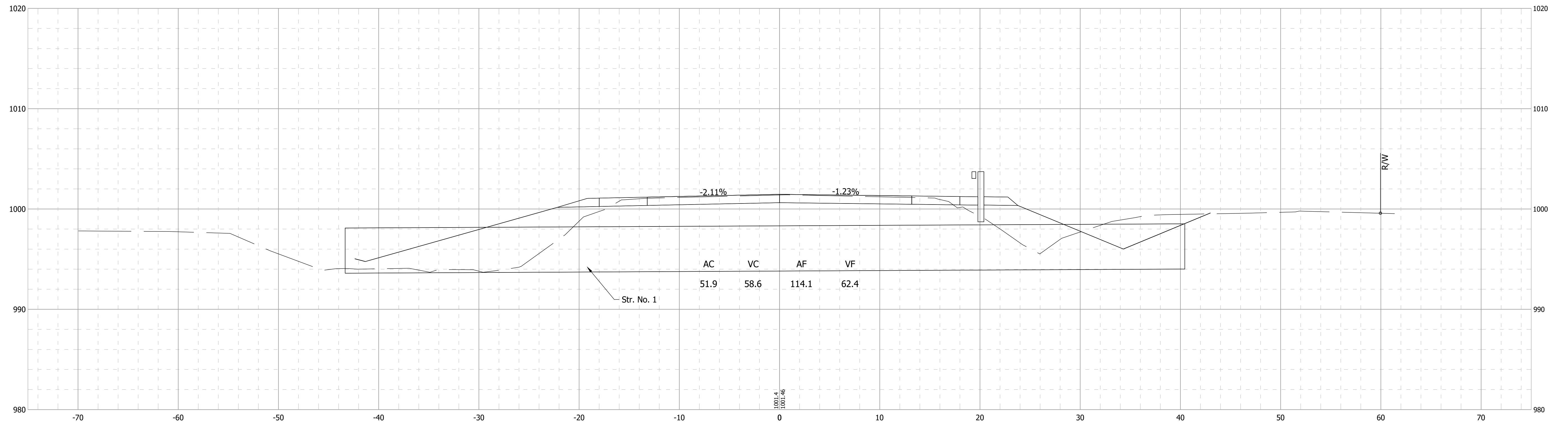
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INDIANA
DEPARTMENT OF TRANSPORTATION

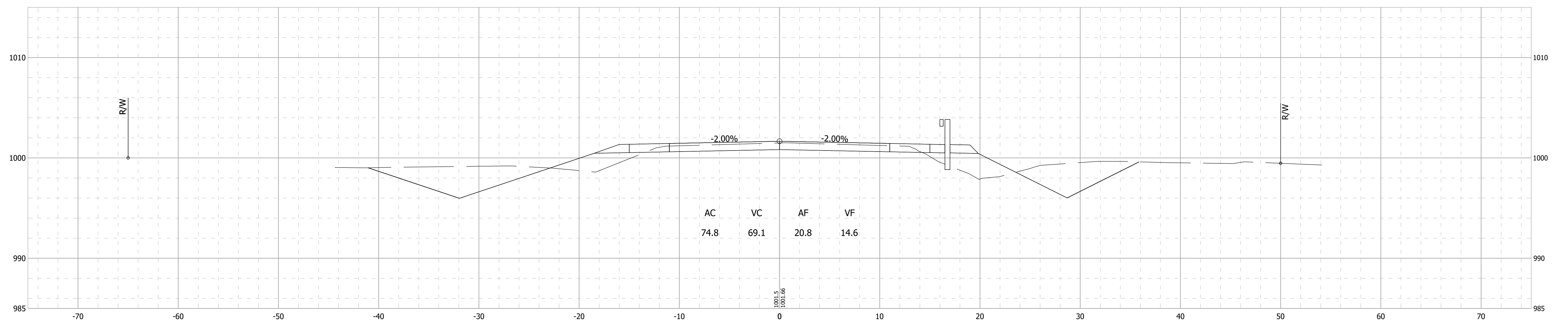
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STR. NO. 1 (CLV-001-068-87.96) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	65 of 102
CONTRACT	PROJECT
R-43491	1902734

29+25



29+00



Date: Jul 20, 2022, 12:17pm User Name: BBritton File: X:\Production\Files\2020\120-0228\PROJ-02\Departments\HY\CAD\CrossSect\Cross Sections_Randolph County.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____

DESIGNED: _____ SMF _____ DRAWN: _____ KMA _____

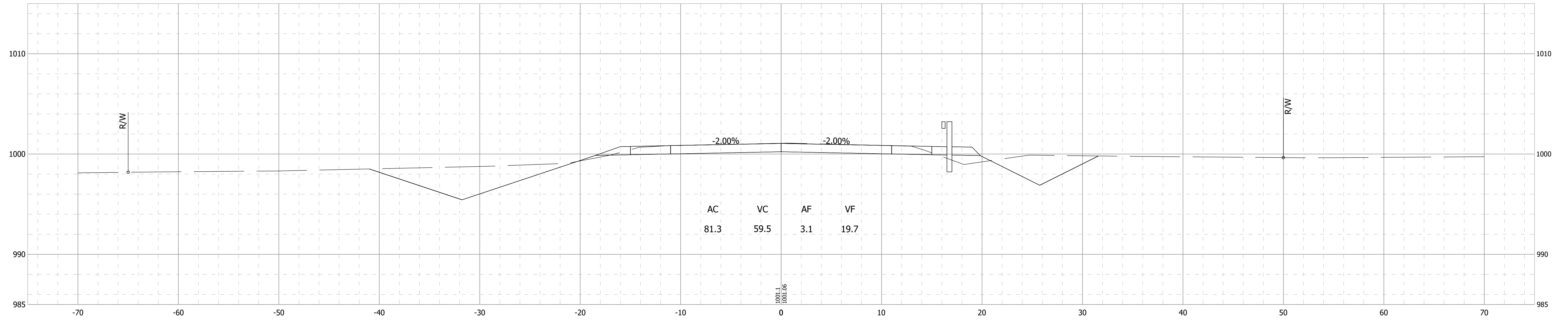
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INDIANA DEPARTMENT OF TRANSPORTATION

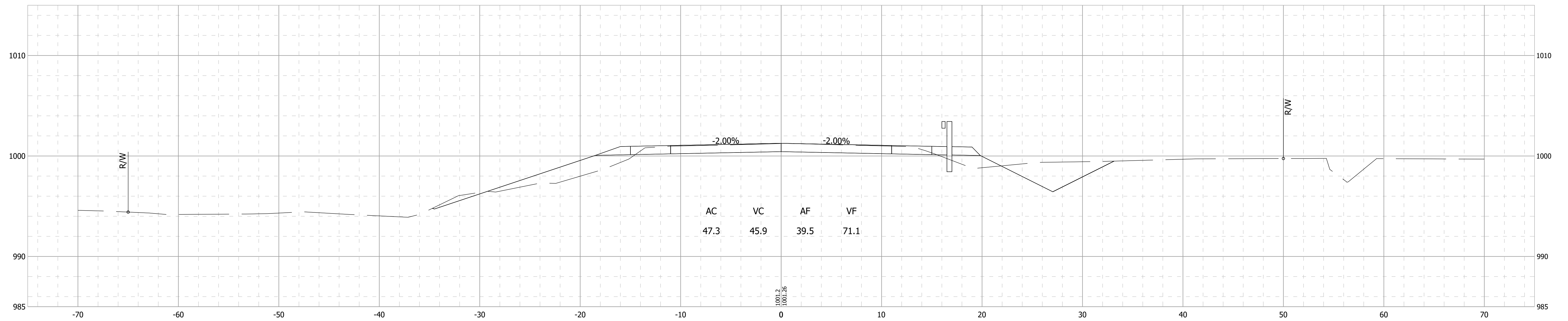
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HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	66 of 102
CONTRACT	PROJECT
R-43491	1902734

29+75



29+50



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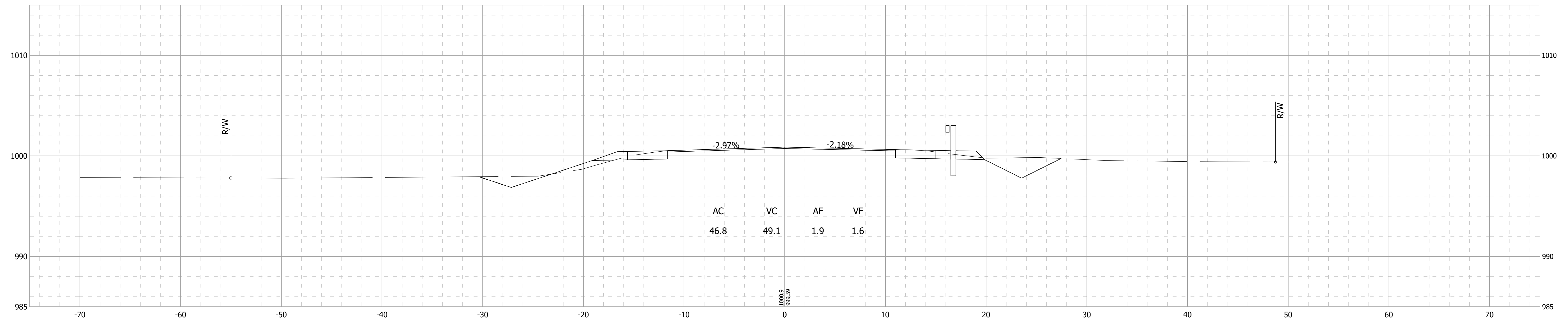
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DESIGNED: _____ SMF _____	DRAWN: _____ KMA _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

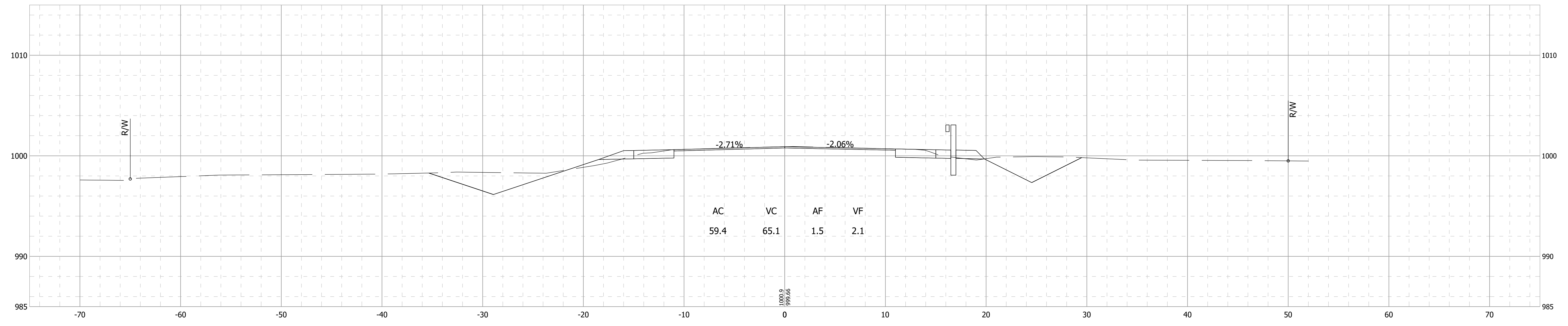
**CROSS SECTIONS - LINE "SR-1"
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 67 of 102
CONTRACT R-43491	PROJECT 1902734

30+25



30+00



Date: Jul 20, 2022, 12:17pm User Name: BBritten File: X:\Production\Files\2020\120-0228\PROJ-02\Departments\HY\CAD\CrossSect\Cross Sections_Randolph County.dwg

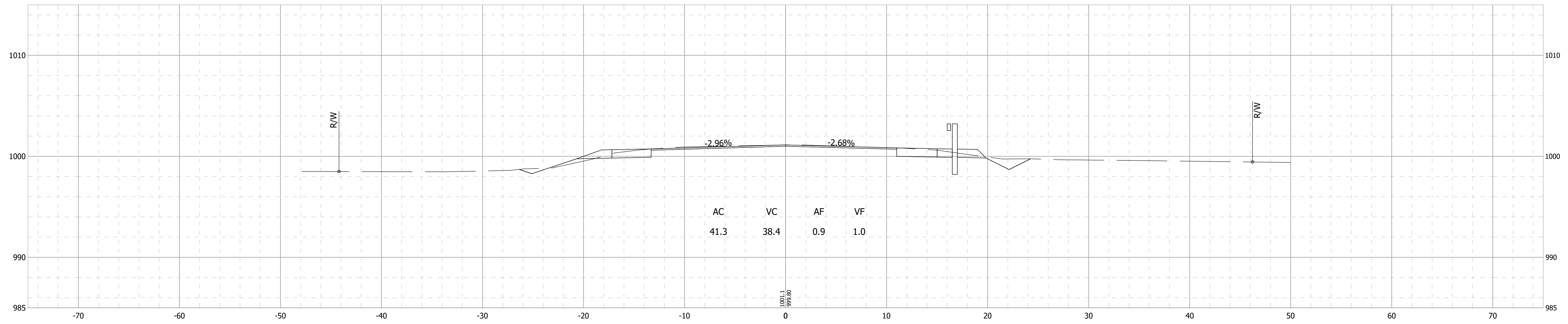
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DESIGNED: SMF	DRAWN: KMA	
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INDIANA
DEPARTMENT OF TRANSPORTATION

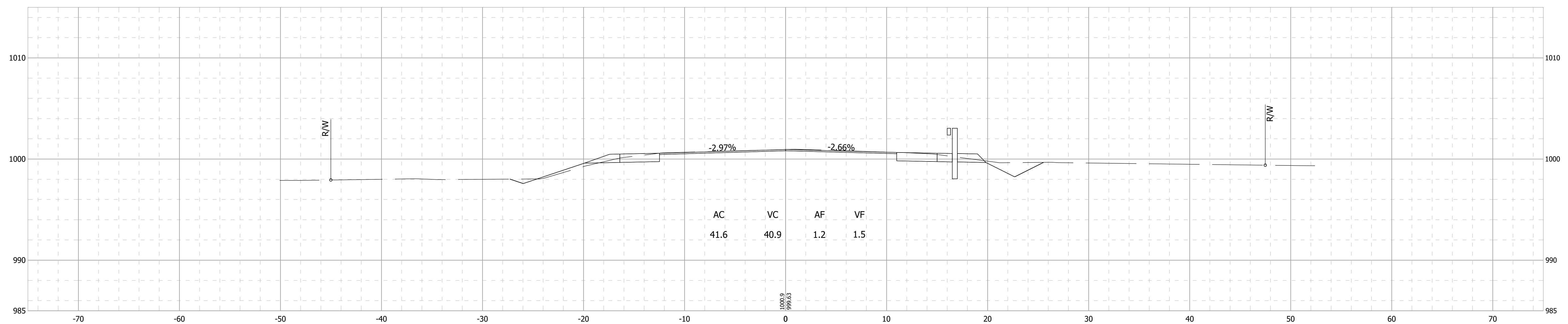
**CROSS SECTIONS - LINE "SR-1"
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 68 of 102
CONTRACT R-43491	PROJECT 1902734

30+75



30+50



Date: Jul 20, 2022, 12:17pm User Name: BBritten
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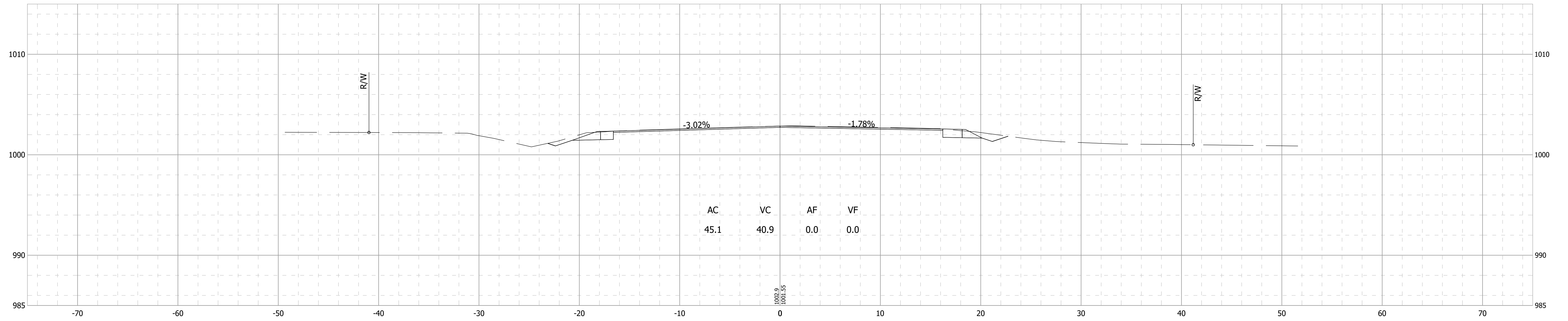
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DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

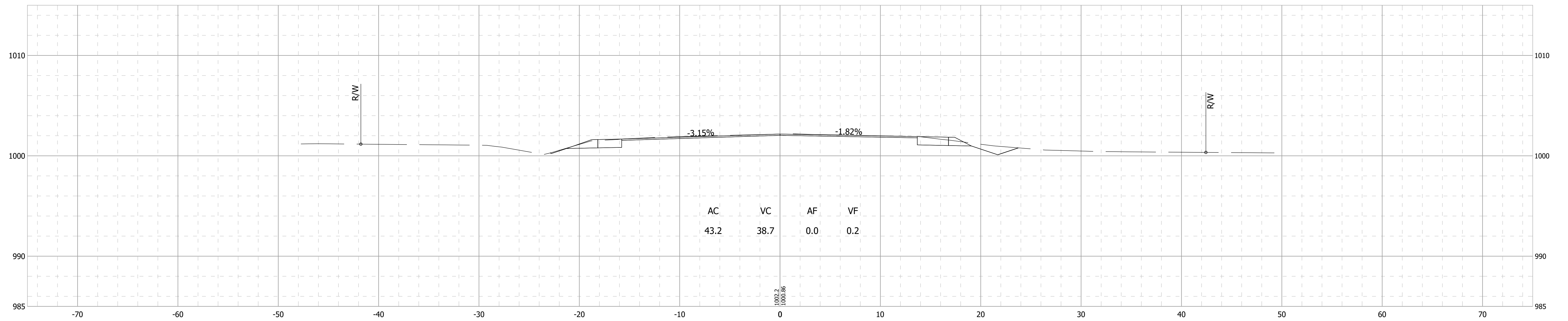
**CROSS SECTIONS - LINE "SR-1"
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	69 of 102
CONTRACT	PROJECT
R-43491	1902734

31+75



31+50



Date: Jul 20, 2022, 12:17pm User Name: BBritten
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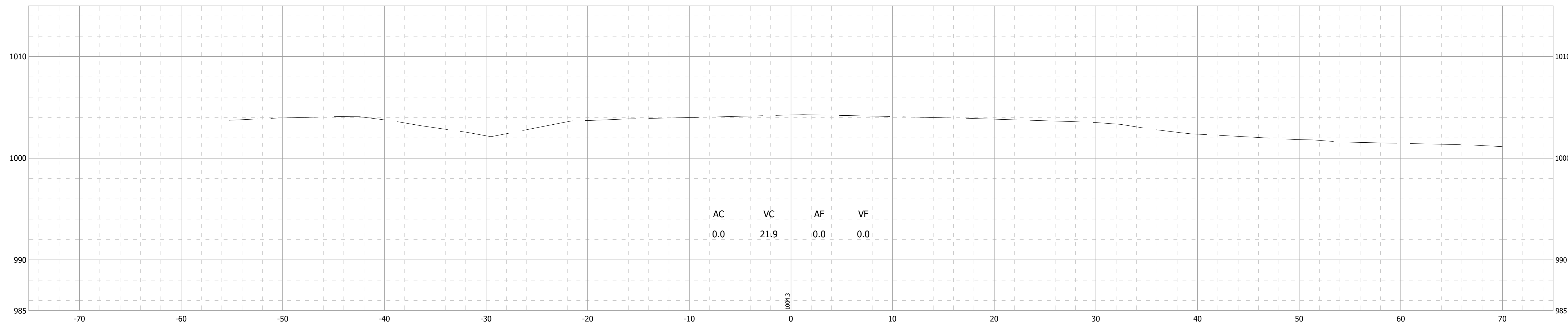
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DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS - LINE "SR-1"
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1**

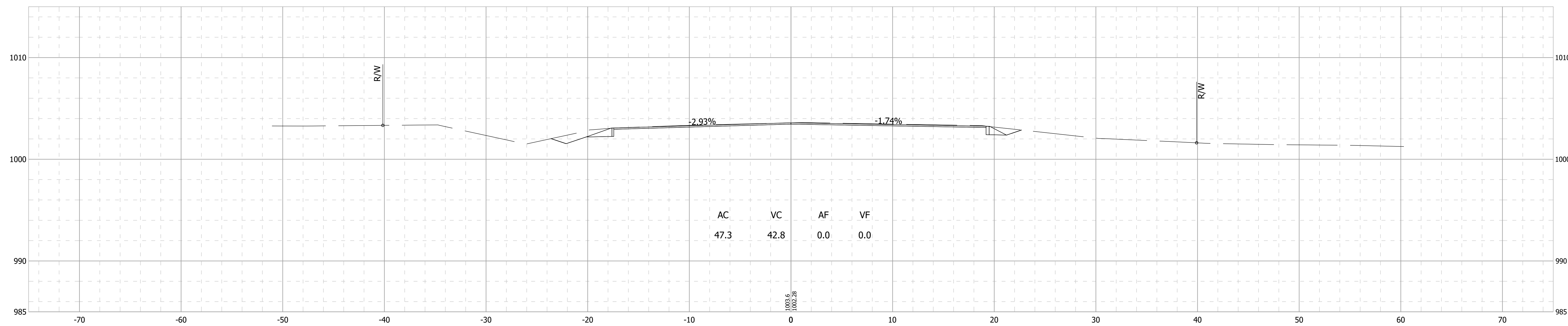
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VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	71 of 102
CONTRACT	PROJECT
R-43491	1902734

32+25



End Incidental Construction
Sta. 32+04.02 Line "SR 1"

32+00



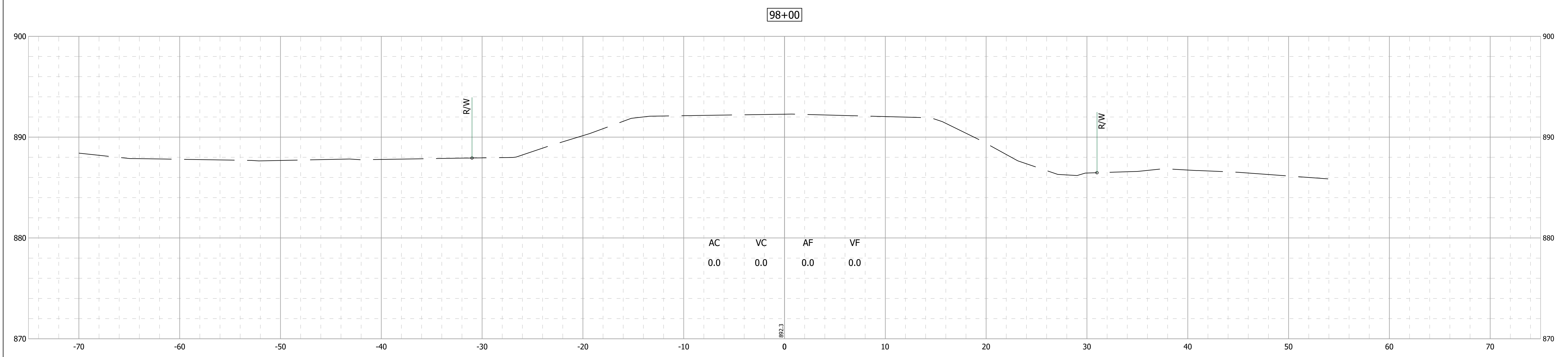
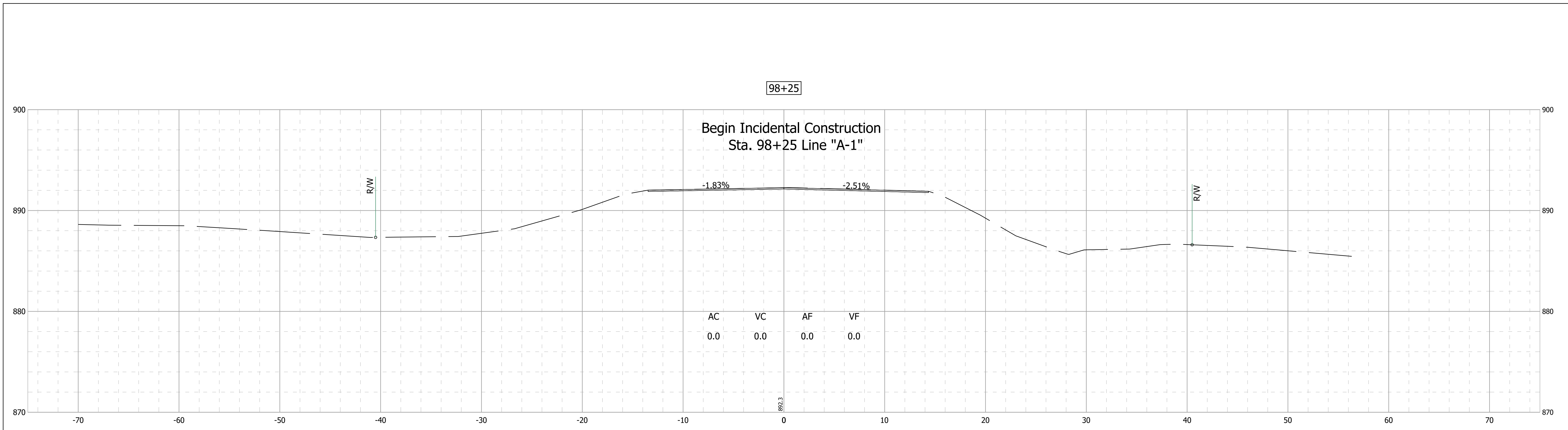
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "SR-1"
STR. NO. 1 (CLV-001-068-87.96) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	72 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:18pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PROJ-02\Departments\HY\CAD\CrossSect\Cross Sections_by County.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

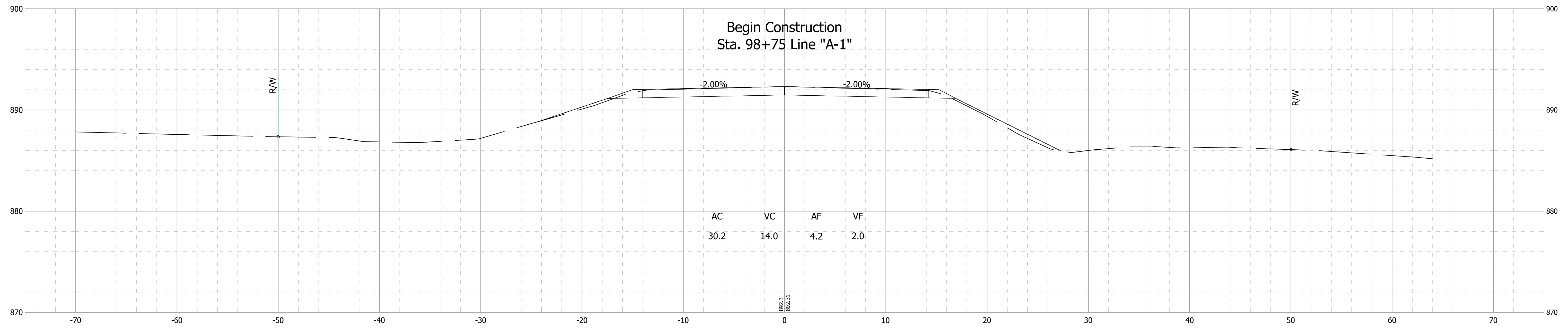
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - LINE "A-1"
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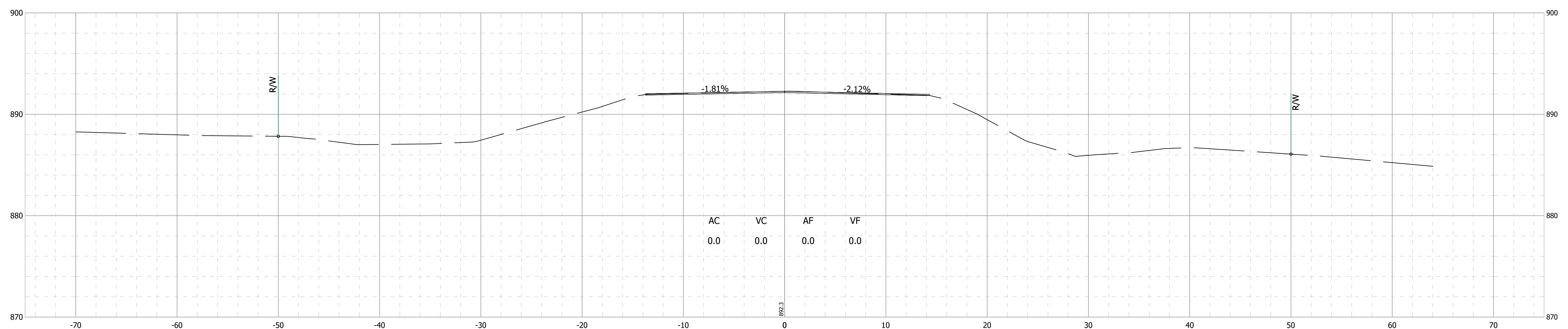
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VERTICAL SCALE 1" = 5'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 73 of 102
CONTRACT R-43491	PROJECT 1902734

98+75

Begin Construction
Sta. 98+75 Line "A-1"



98+50



Date: Jul 20, 2022, 12:18pm User Name: BBritten File: X:\Production\Files\2020\120-2028\PROJ-02\Departments\HY\CAD\CrossSect\Cross Sections_by County.dwg

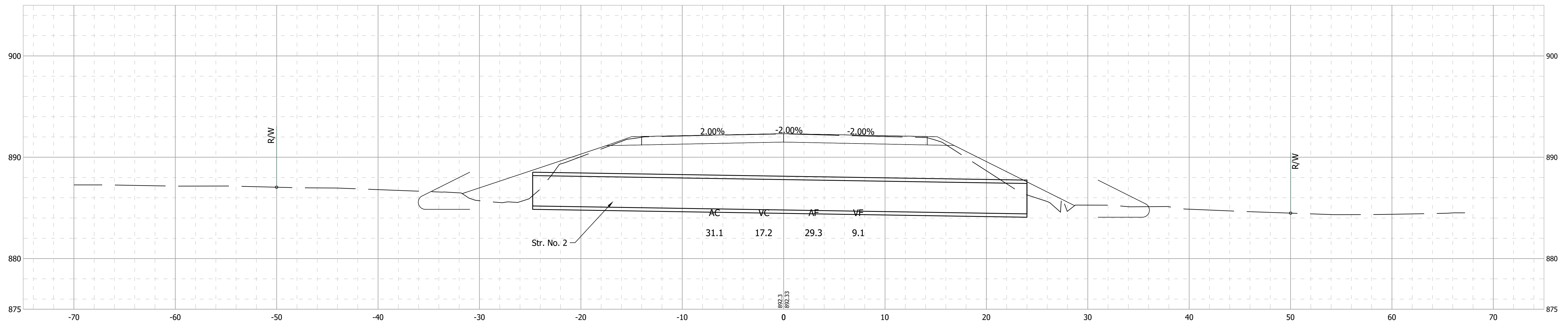
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

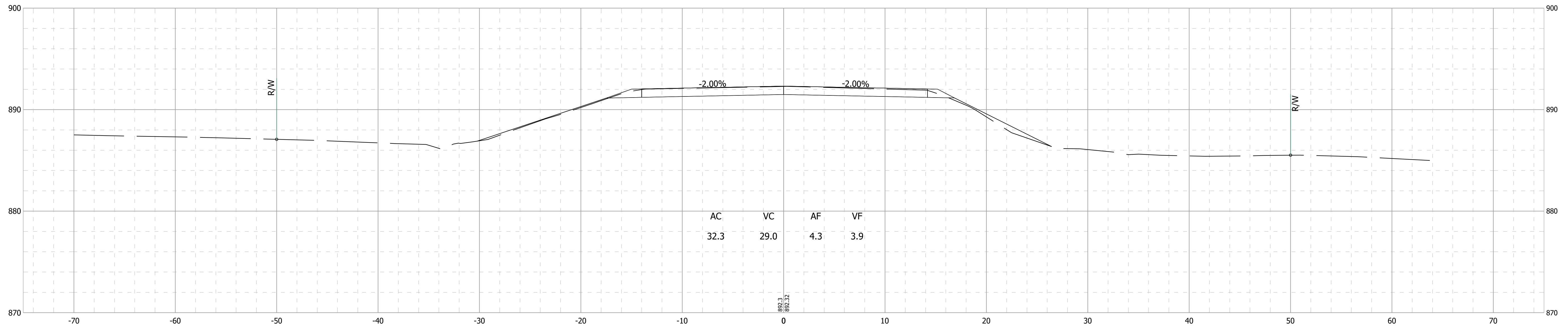
CROSS SECTIONS - LINE "A-1"
STR. NO. 2 (CLV-001-038-110.71) - S.R. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	74 of 102
CONTRACT	PROJECT
R-43491	1902734

99+14.63



99+00



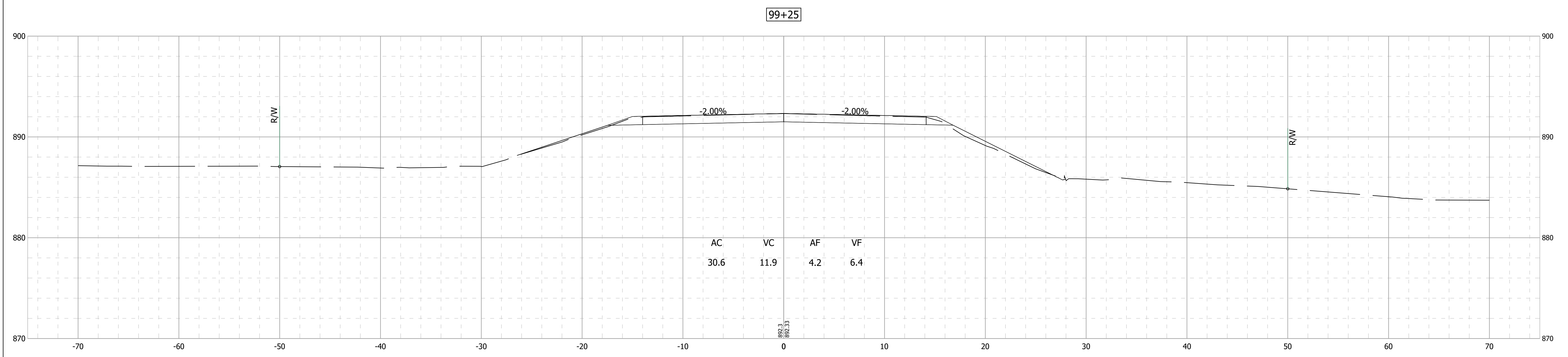
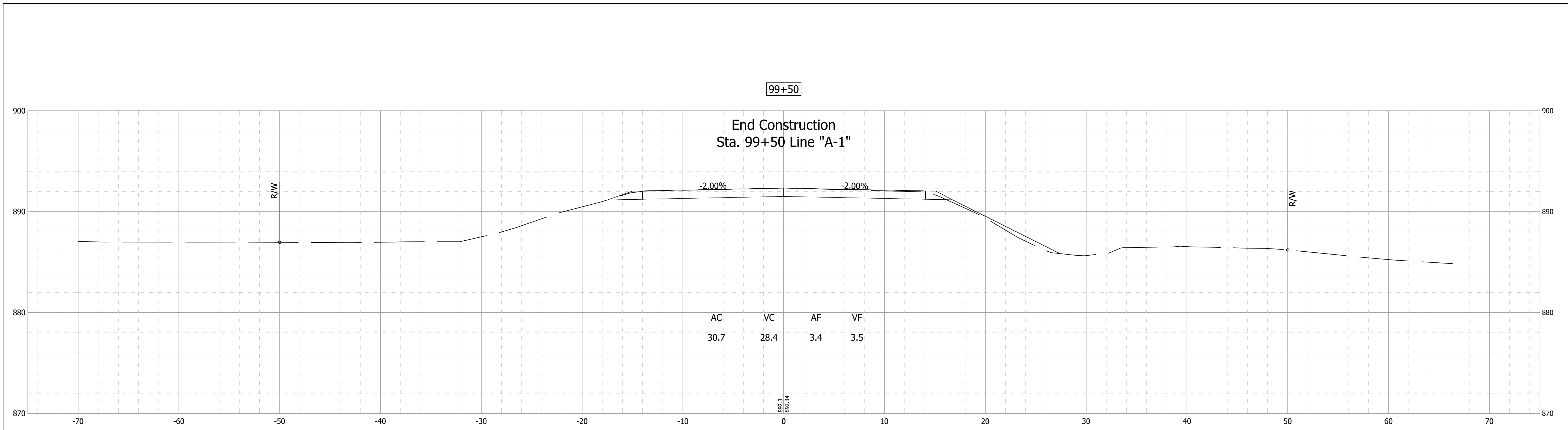
Date: Jul 20, 2022, 12:18pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PROJ-02\Departments\HY\CAD\CrossSect\Cross Sections_by County.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "A-1"
STR. NO. 2 (CLV-001-038-110.71) - S.R. 1

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 75 of 102
CONTRACT R-43491	PROJECT 1902734



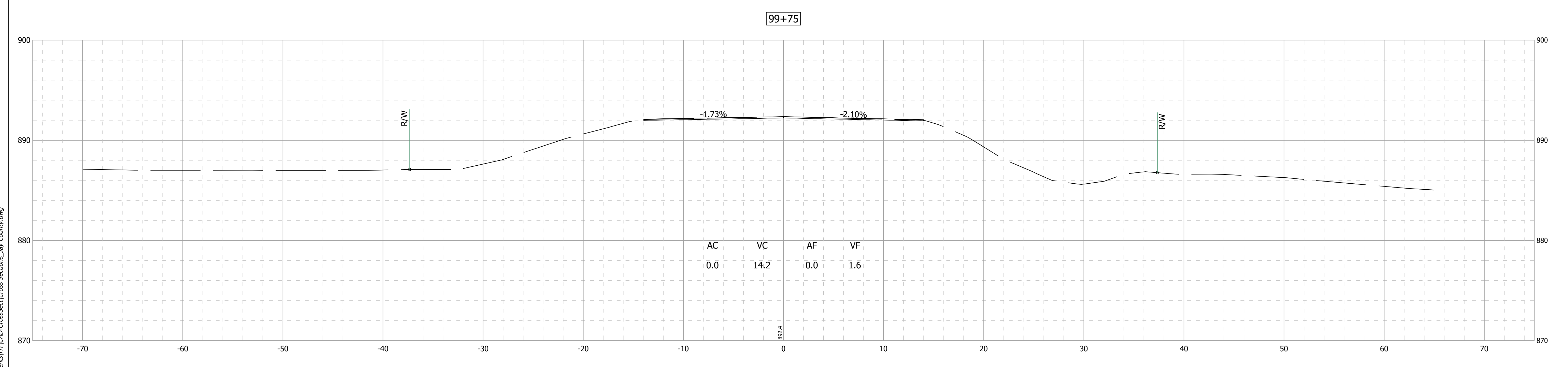
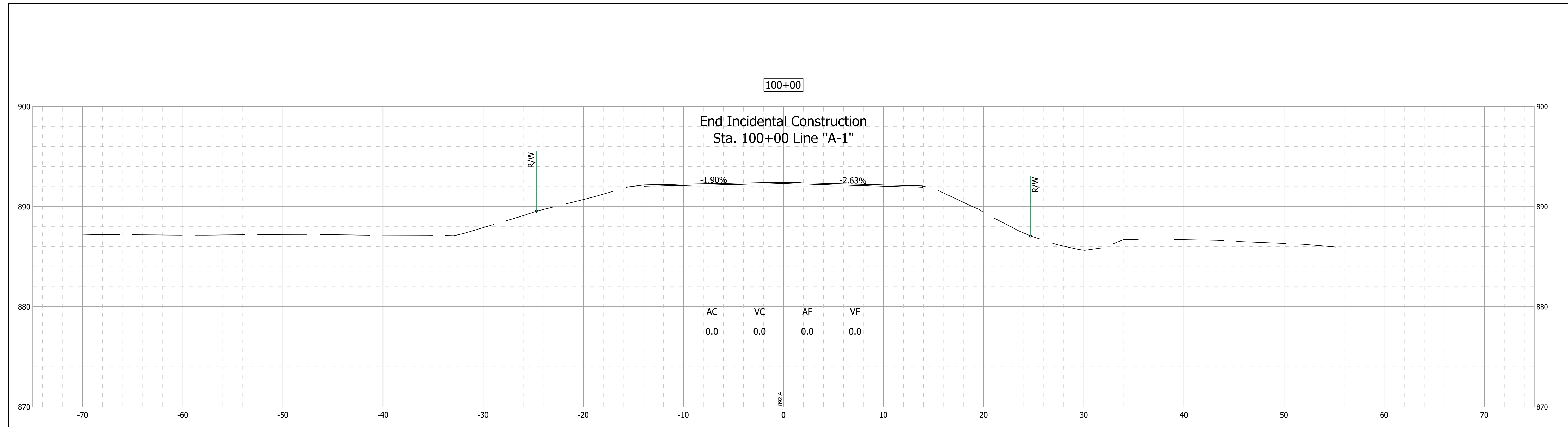
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ KMA _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - LINE "A-1"
STR. NO. 2 (CLV-001-038-110.71) - S.R. 1**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	76 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:18pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PRO-02\Departments\HY\CAD\CrossSect\Cross Sections_Bay County.dwg

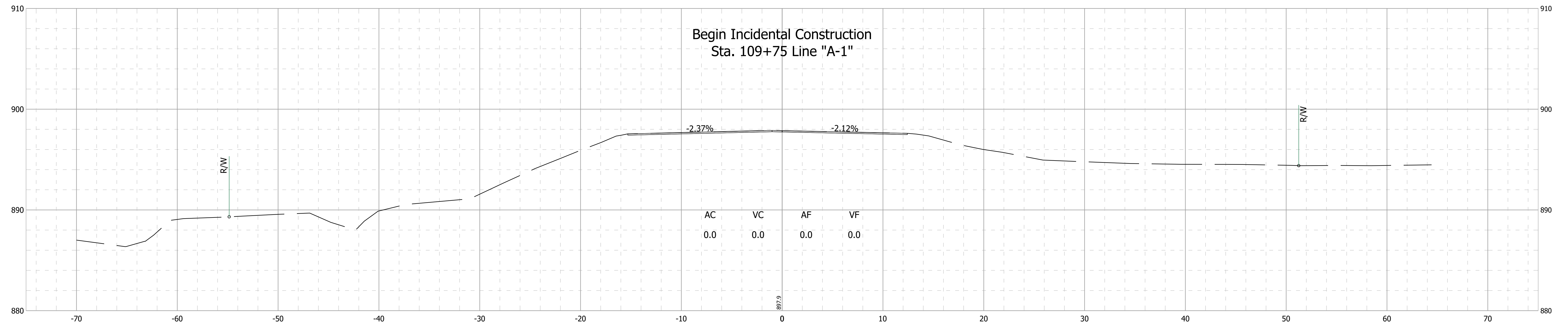
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

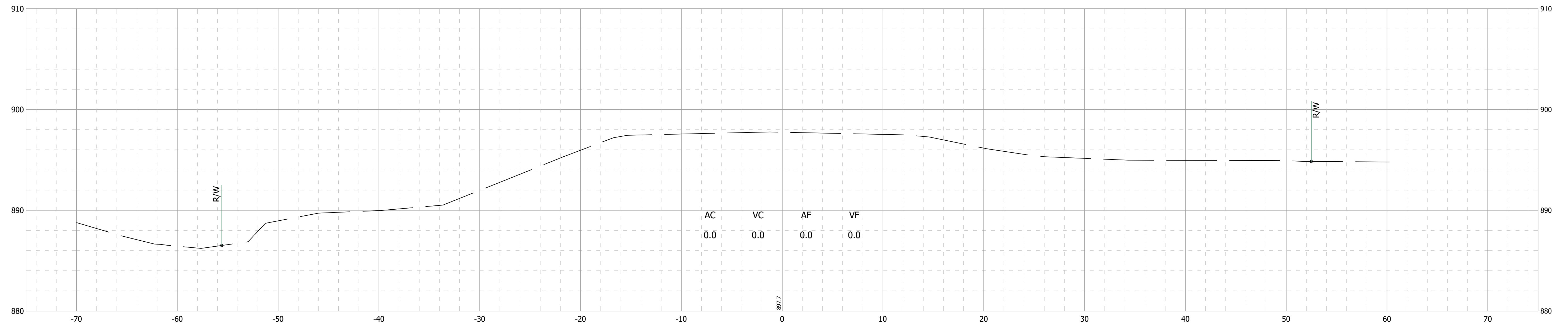
**CROSS SECTIONS - LINE "A-1"
STR. NO. 2 (CLV-001-038-110.71) - S.R. 1**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	77 of 102
CONTRACT	PROJECT
R-43491	1902734

109+75



109+50



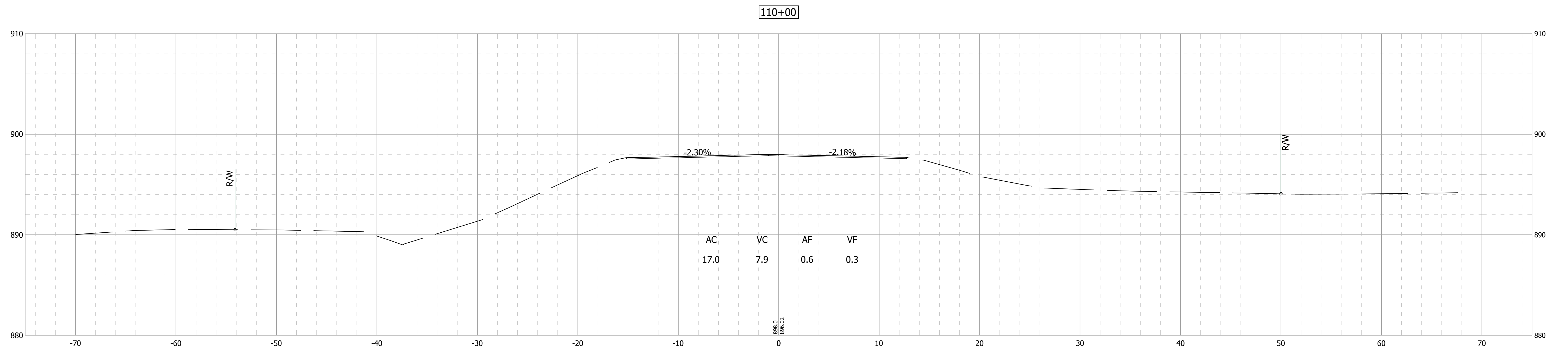
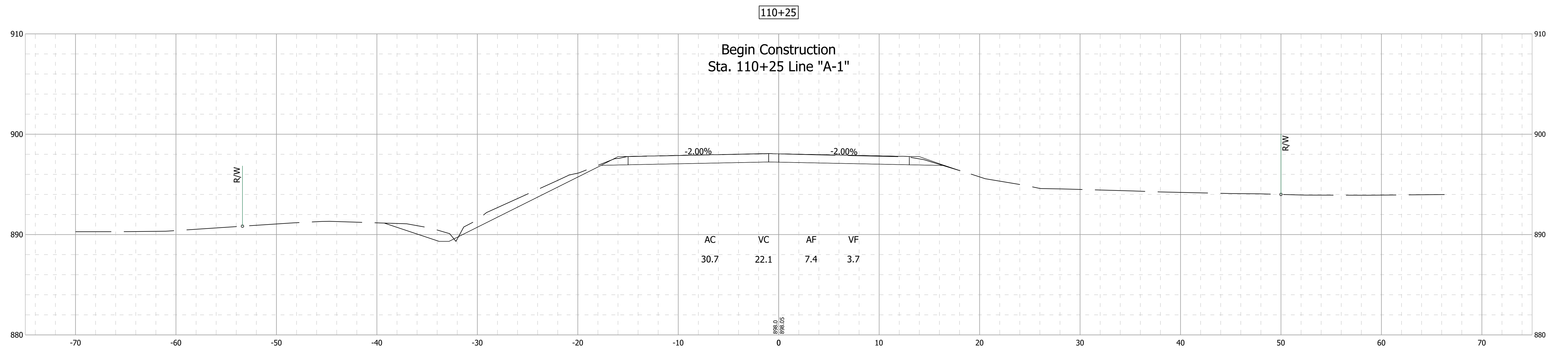
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "A-1"
STR. NO. 3 (CLV-001-038-110.93) - S.R. 1

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 78 of 102
CONTRACT R-43491	PROJECT 1902734



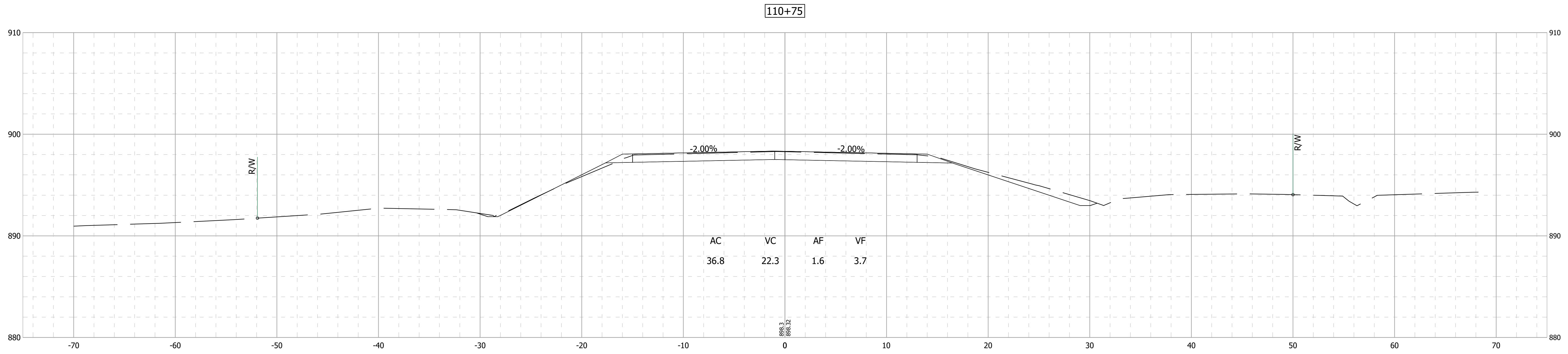
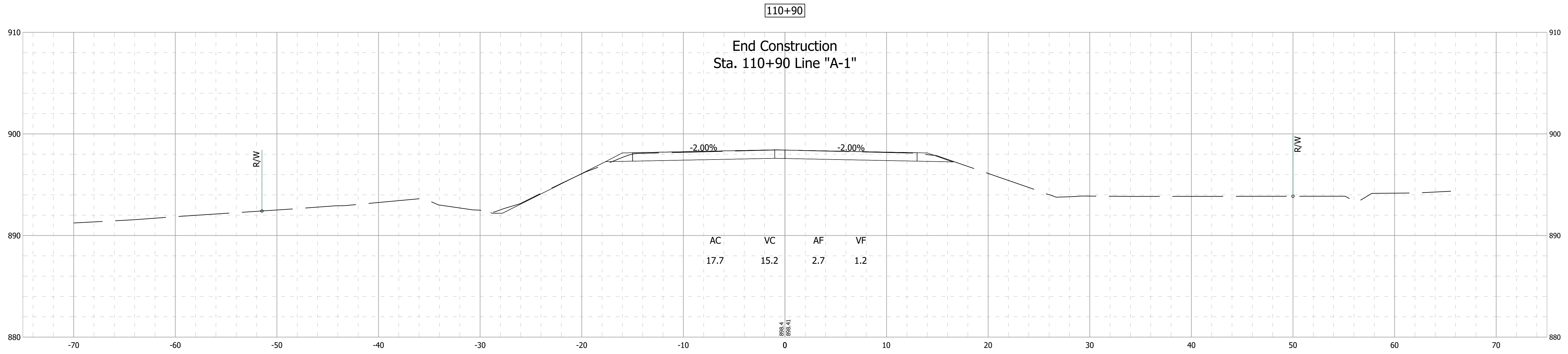
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ KMA _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - LINE "A-1"
STR. NO. 3 (CLV-001-038-110.93) - S.R. 1**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 79 of 102
CONTRACT R-43491	PROJECT 1902734



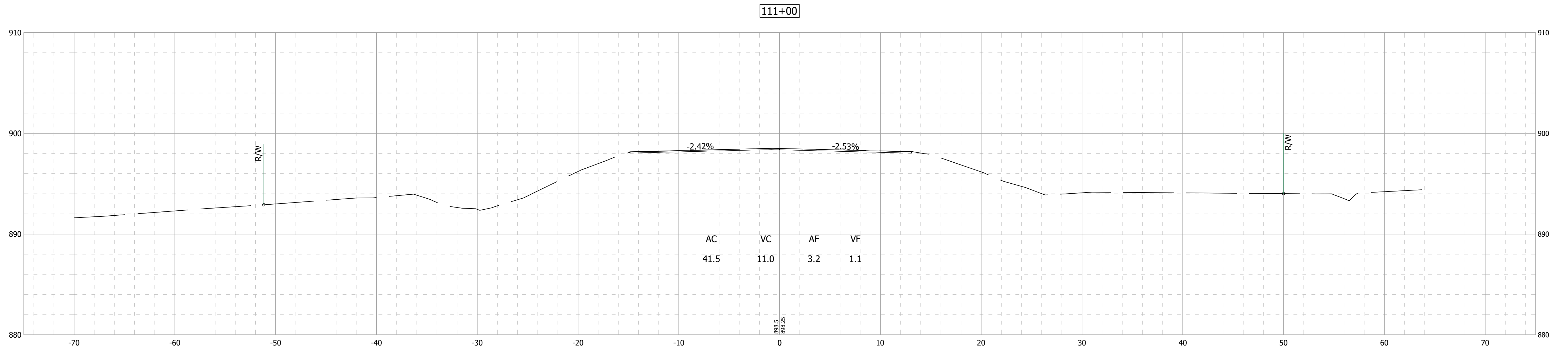
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File: X:\Production\Files\2020\120-2028\PROJ\20\Departments\HY\CAD\CrossSect\Cross Sections_by County.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - LINE "A-1"
STR. NO. 3 (CLV-001-038-110.93) - S.R. 1**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 81 of 102
CONTRACT R-43491	PROJECT 1902734



Date: Jul 20, 2022, 12:18pm User Name: BBritton
File: X:\Production\Files\2020\120-2028\PROJ-02\Departments\HY\CAD\CrossSect\Cross Sections_by County.dwg

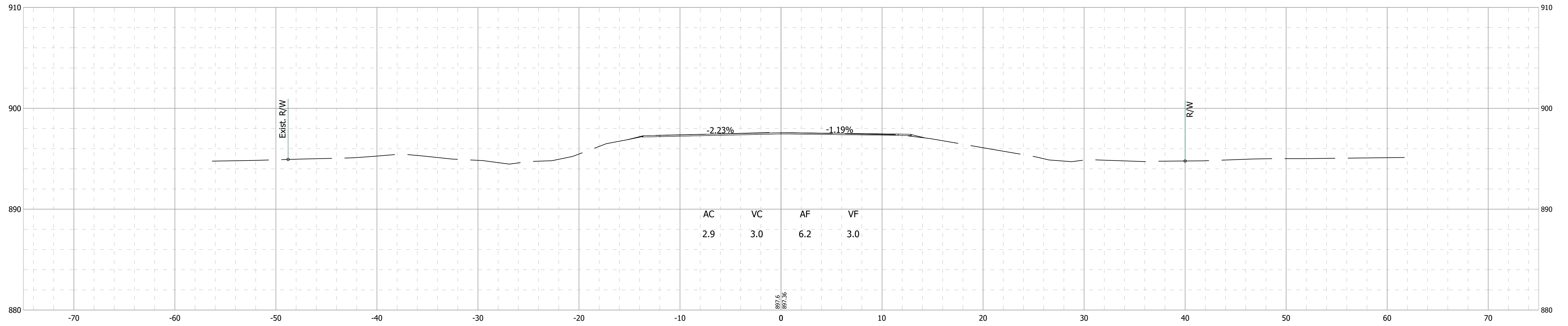
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ KMA _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

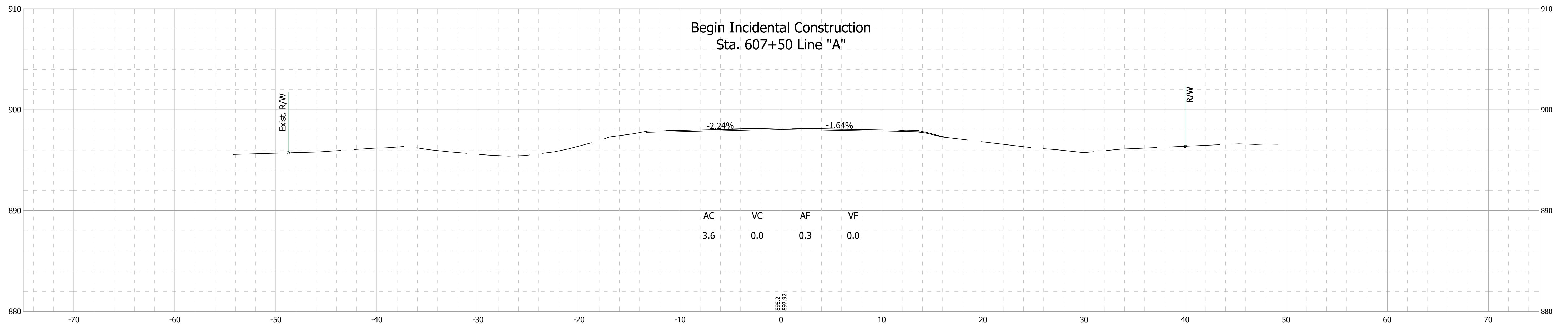
**CROSS SECTIONS - LINE "A-1"
STR. NO. 3 (CLV-001-038-110.93) - S.R. 1**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 82 of 102
CONTRACT R-43491	PROJECT 1902734

607+75



607+50



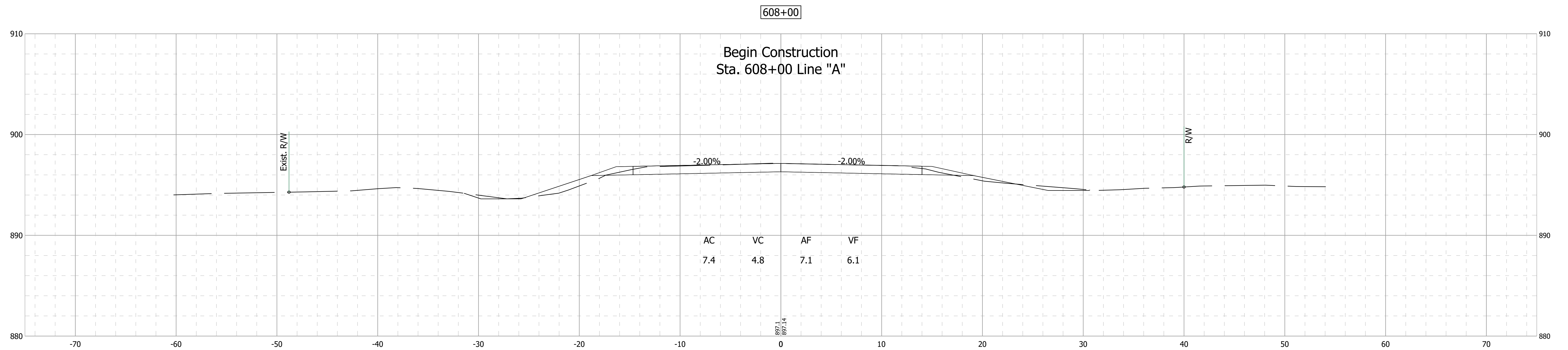
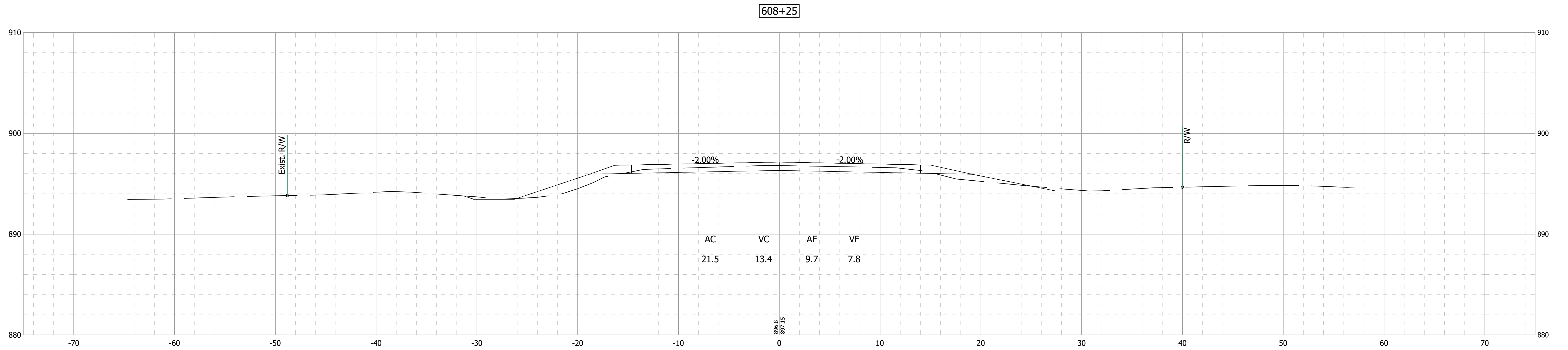
Date: Jul 20, 2022, 12:19pm User Name: BBritten File: X:\Production\Files\2020\120-0228\PRJ-02\Departments\HY\CAD\CrossSect\Cross Sections - Blackford County.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "A"
STR. NO. 4 (CLV-026-005-125.01) - S.R 26

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	83 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:19pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PROJ-02\Departments\HY(CAD)\CrossSect\Cross Sections - Blackford County.dwg

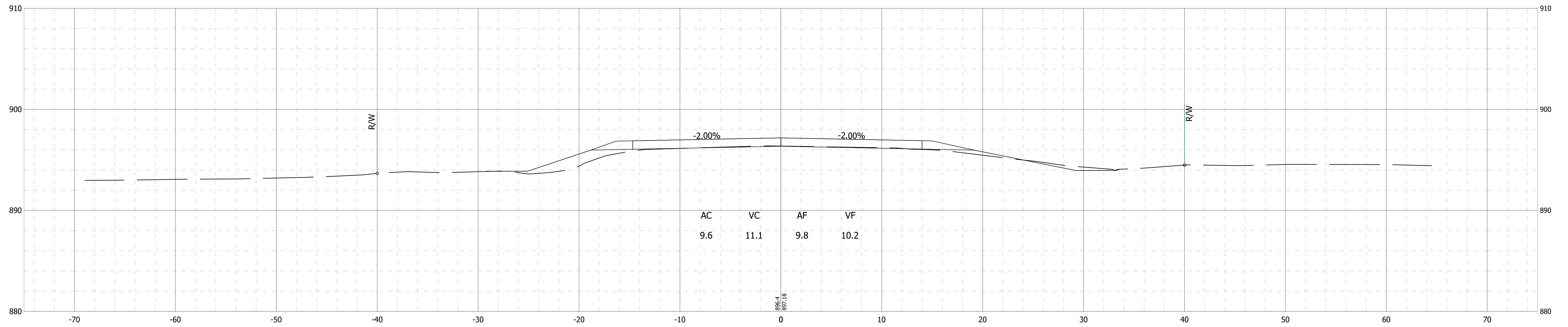
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

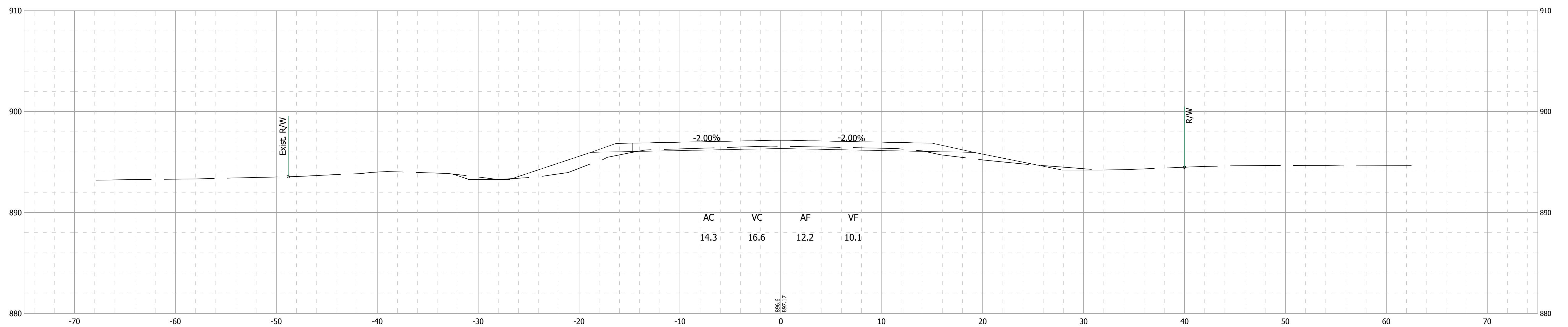
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STR. NO. 4 (CLV-026-005-125.01) - S.R 26**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 84 of 102
CONTRACT R-43491	PROJECT 1902734

608+75



608+50



Date: Jul 20, 2022, 12:19pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PROJ-02\Departments\HY\CAD\CrossSect\CrossSect\Blackford County.dwg

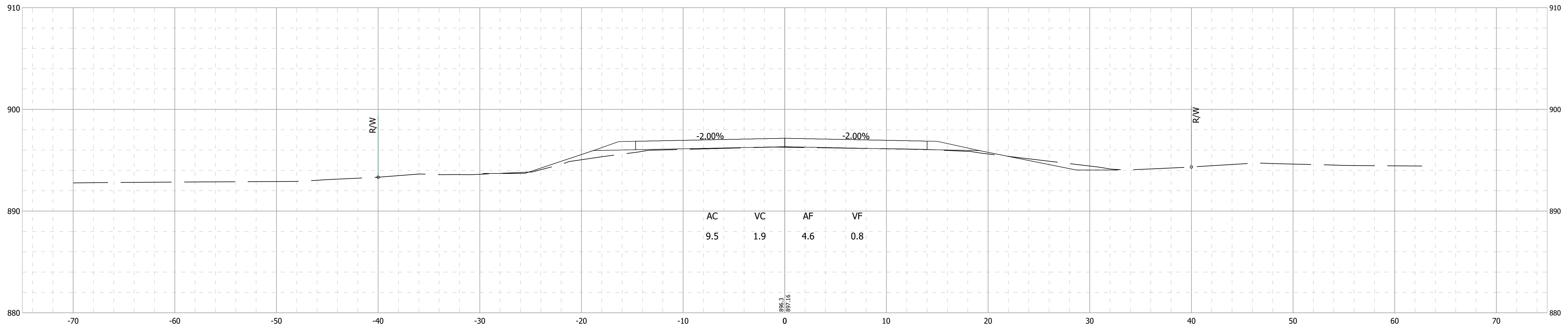
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

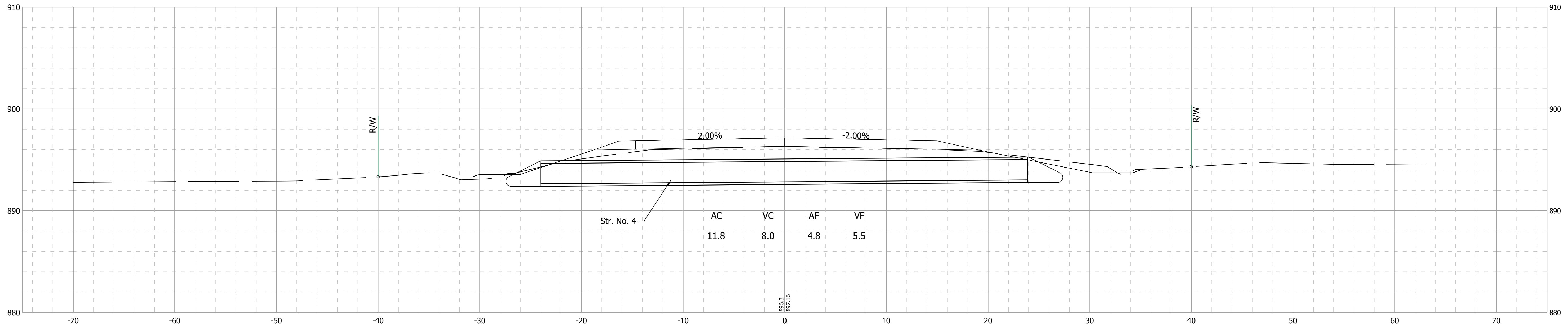
CROSS SECTIONS - LINE "A"
STR. NO. 4 (CLV-026-005-125.01) - S.R 26

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	85 of 102
CONTRACT	PROJECT
R-43491	1902734

609+00



608+95.18



Date: Jul 20, 2022, 12:19pm User Name: BBritten File: X:\Production\Files\2020\120-0228\PRJ-02\Departments\HY\CAD\CrossSect\Cross Sections - Blackford County.dwg

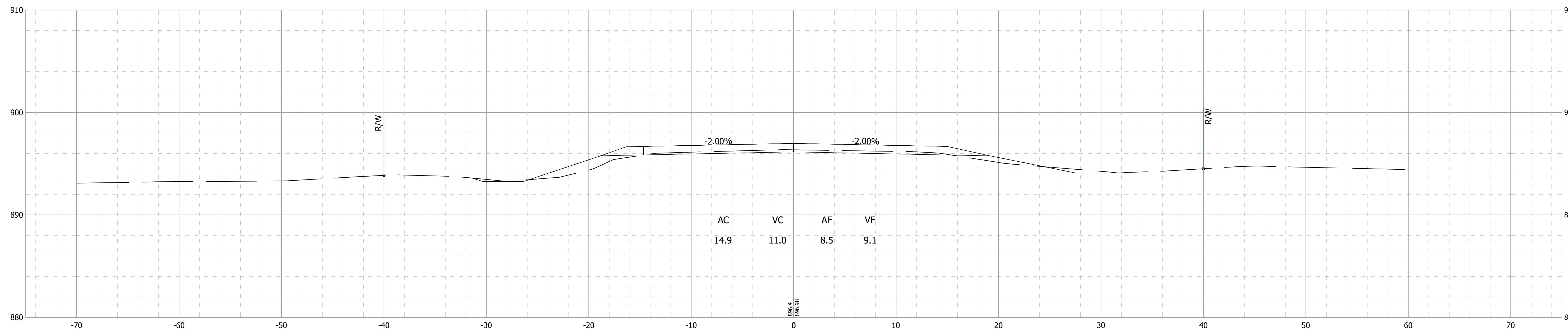
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ KMA _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

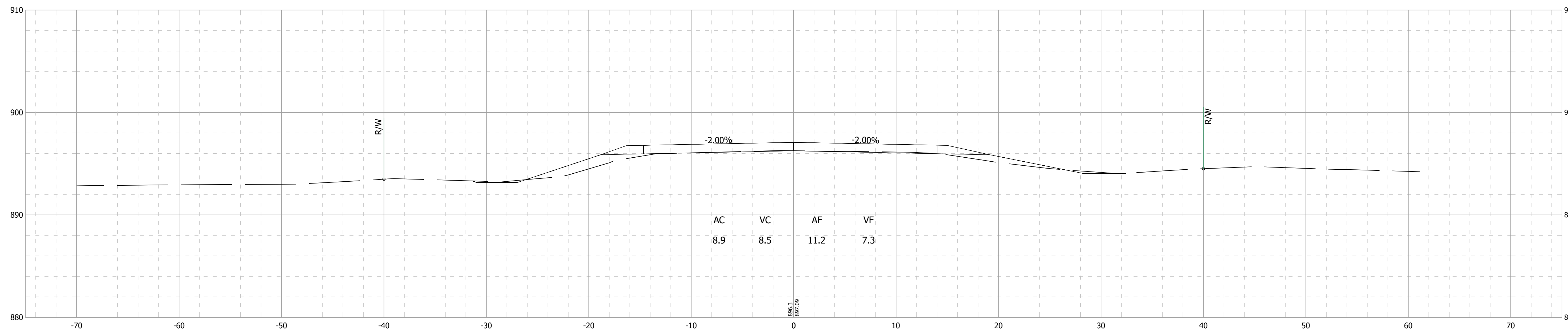
CROSS SECTIONS - LINE "A"
STR. NO. 4 (CLV-026-005-125.01) - S.R 26

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	86 of 102
CONTRACT	PROJECT
R-43491	1902734

609+50



609+25



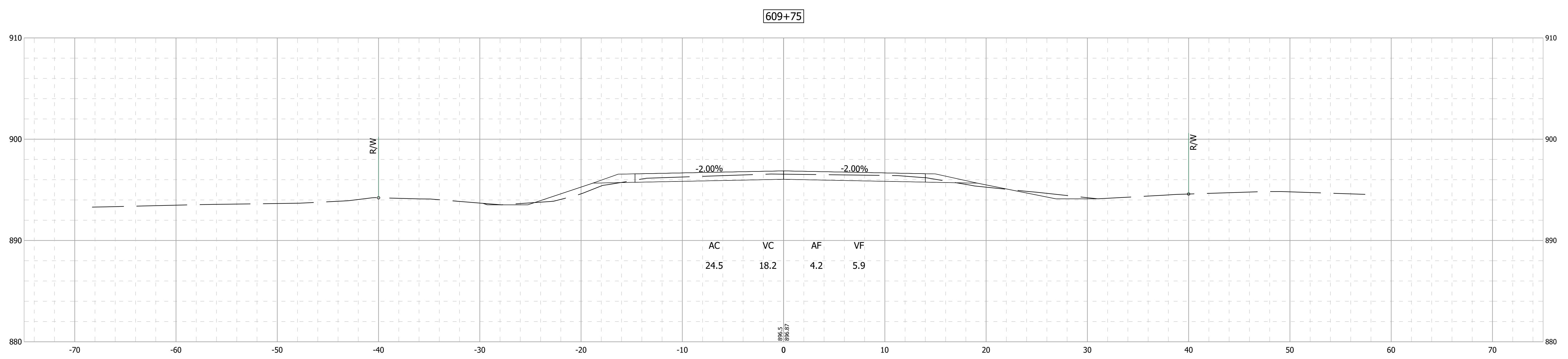
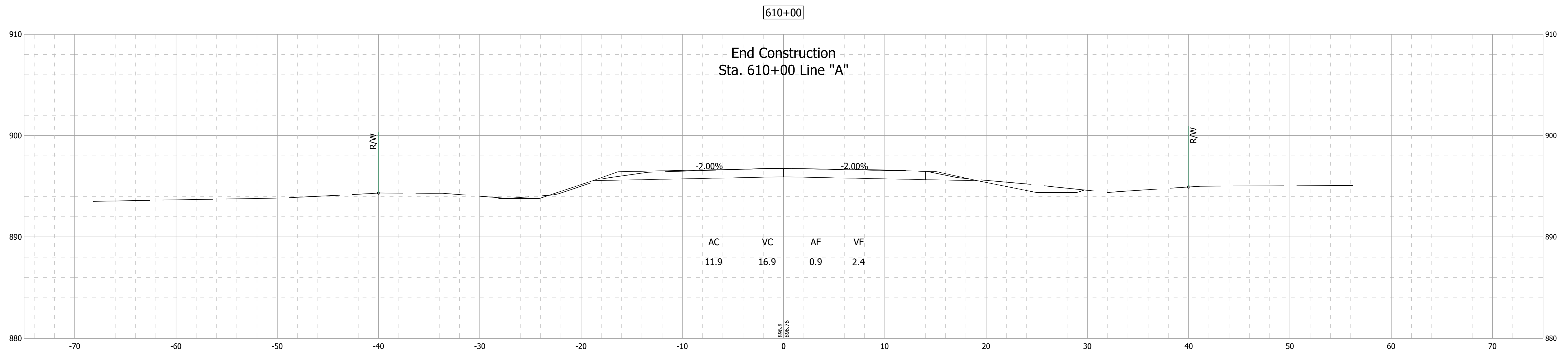
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "A"
STR. NO. 4 (CLV-026-005-125.01) - S.R 26

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	87 of 102
CONTRACT	PROJECT
R-43491	1902734



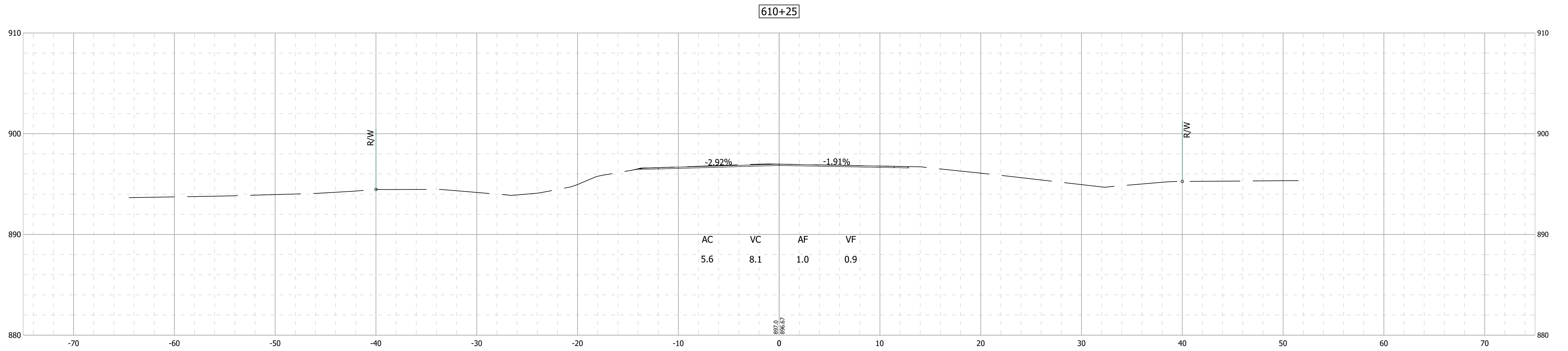
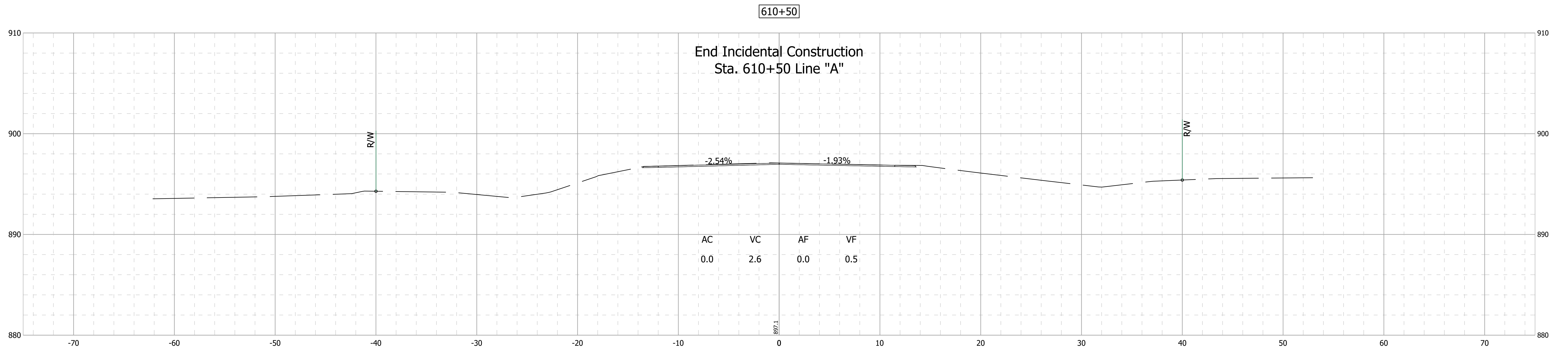
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - LINE "A"
STR. NO. 4 (CLV-026-005-125.01) - S.R 26**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	88 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:19pm User Name: BBritten
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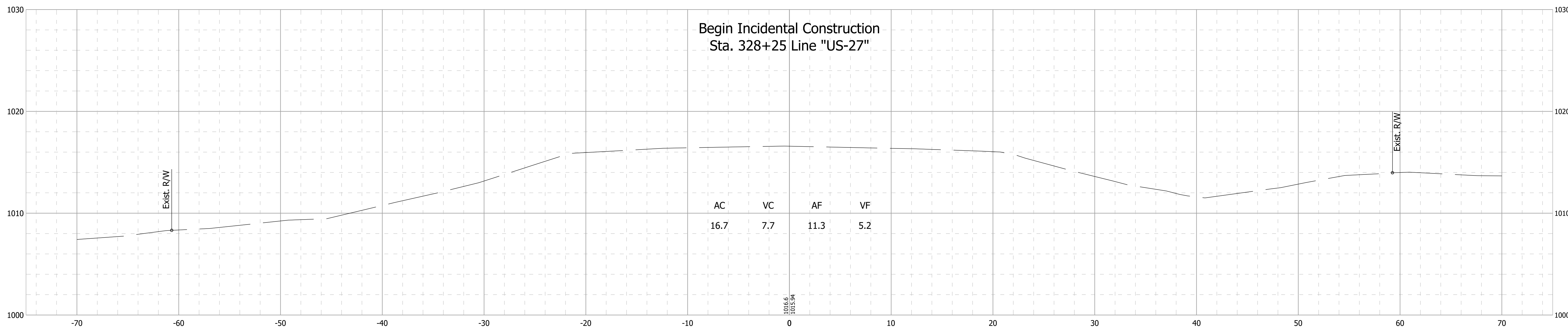
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

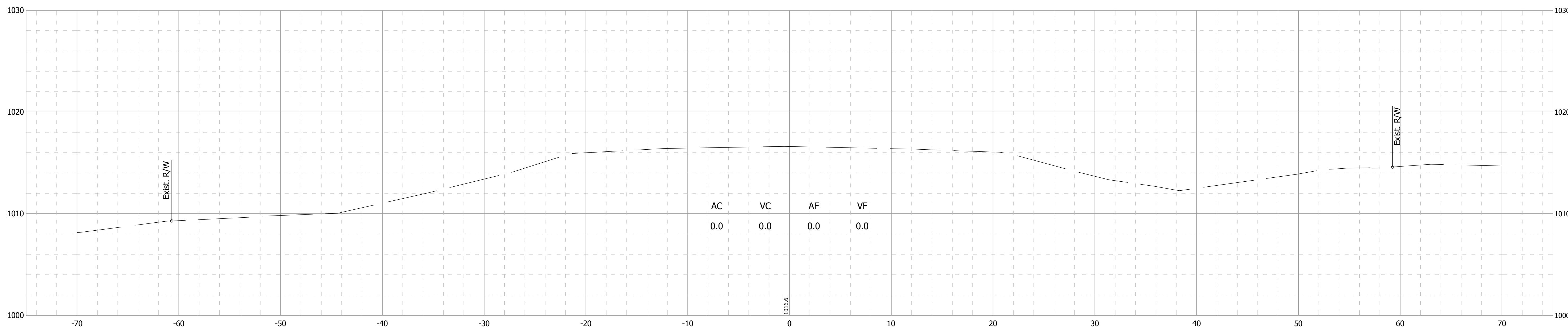
**CROSS SECTIONS - LINE "A"
STR. NO. 4 (CLV-026-005-125.01) - S.R 26**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1902734
SURVEY BOOK ELECTRONIC	SHEETS 89 of 102
CONTRACT R-43491	PROJECT 1902734

328+25



328+00



Date: Jul 20, 2022, 12:19pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PROJ-02\Departments\HY(CAD)\CrossSect\Cross Sections_Randolph County.dwg

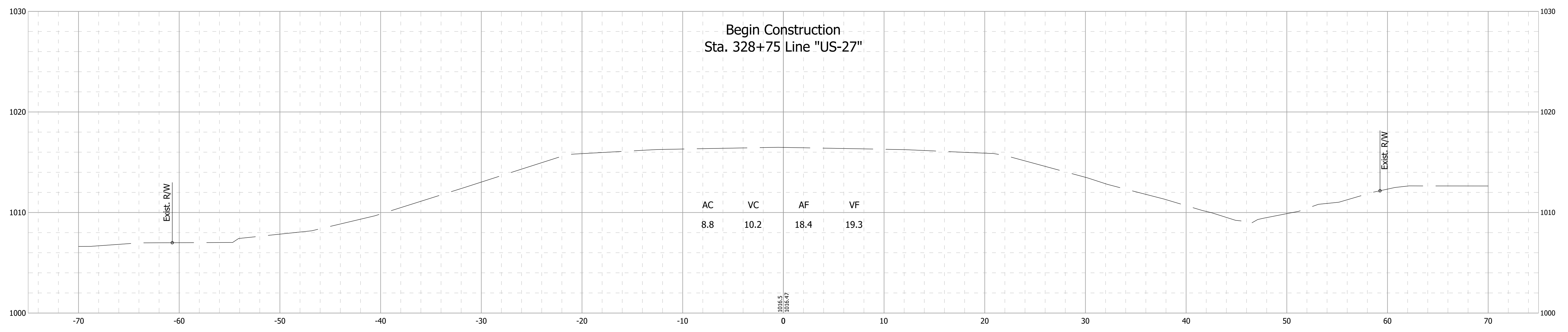
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ KMA _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

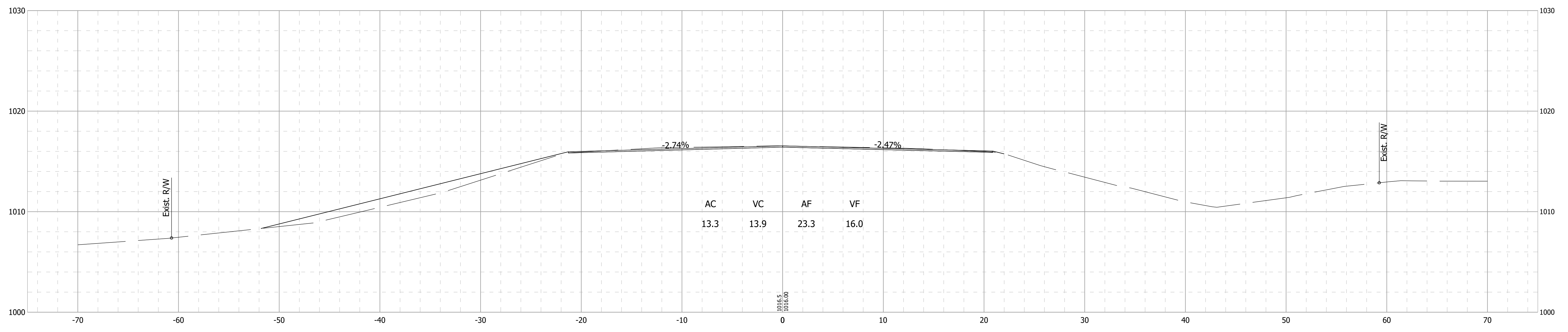
CROSS SECTIONS - LINE "US-27"
STR. NO. 5 (CLV-027-068-55.25) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	90 of 102
CONTRACT	PROJECT
R-43491	1902734

328+75



328+50



Date: Jul 20, 2022, 12:19pm User Name: BBritten File: X:\Production\Files\2020\120-2028\PRJ-02\Departments\HY\CAD\CrossSect\Cross Sections_Randolph County.dwg

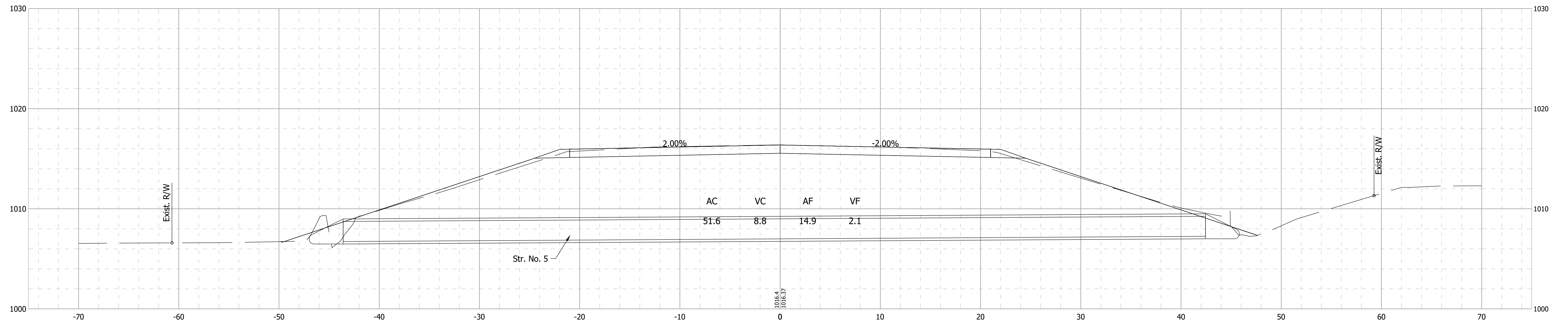
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

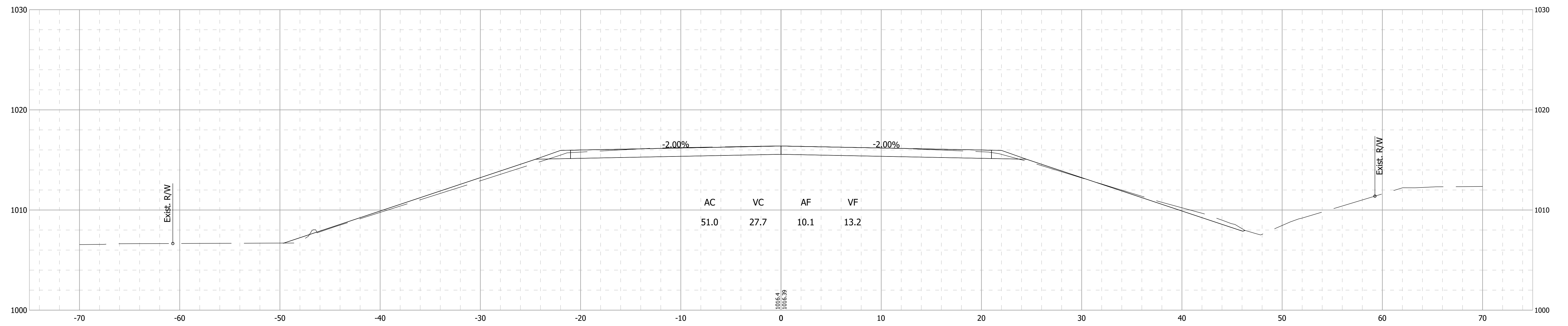
CROSS SECTIONS - LINE "US-27"
STR. NO. 5 (CLV-027-068-55.25) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	91 of 102
CONTRACT	PROJECT
R-43491	1902734

329+04.61



329+00



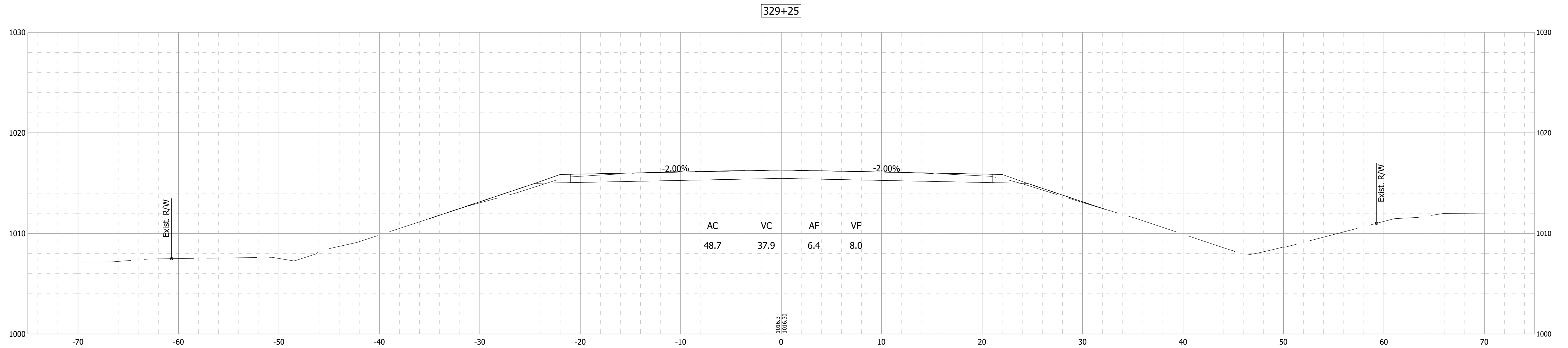
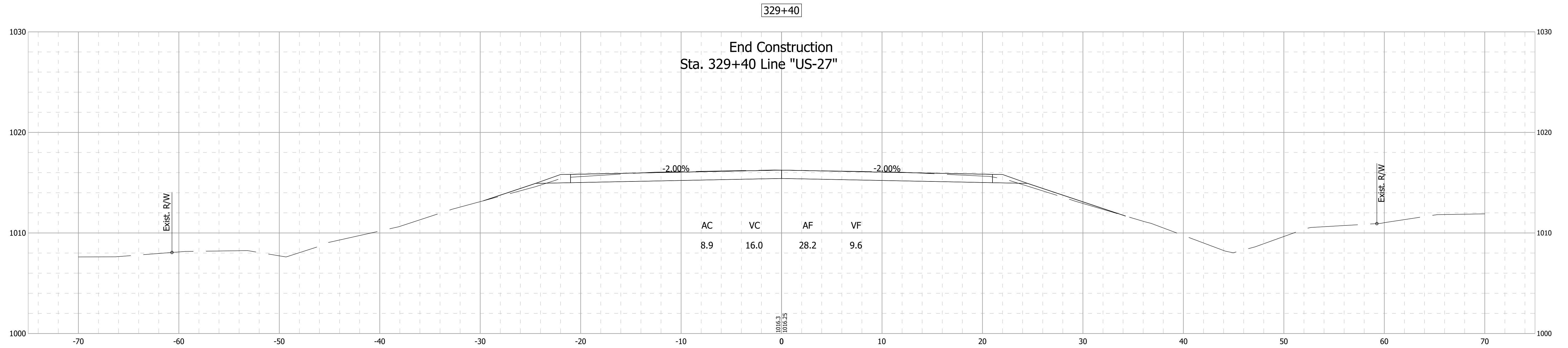
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "US-27"
STR. NO. 5 (CLV-027-068-55.25) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	92 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:20pm User Name: BBritten File: X:\Production\Files\2020\1200-2028\PROJ-02\Departments\HY\CAD\CrossSect\Cross Sections_Randolph County.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - LINE "US-27"
STR. NO. 5 (CLV-027-068-55.25) - U.S. 27**

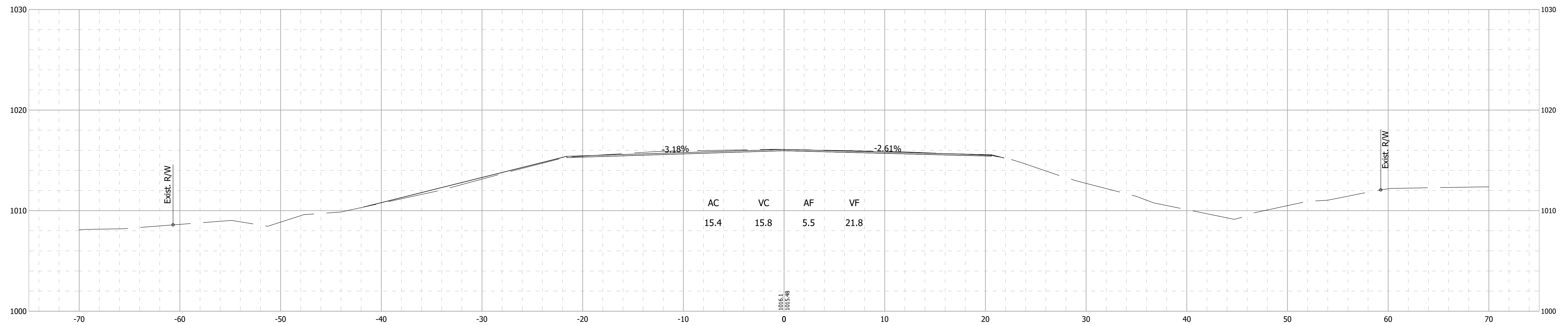
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	93 of 102
CONTRACT	PROJECT
R-43491	1902734

329+90

End Incidental Construction
Sta. 329+90 Line "US-27"



329+75



Date: Jul 20, 2022, 12:20pm User Name: BBritten
File: X:\Production\Files\2020\1200-2028\PROJ-02\Departments\HY\CAD\CrossSect\Cross Sections_Randolph County.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

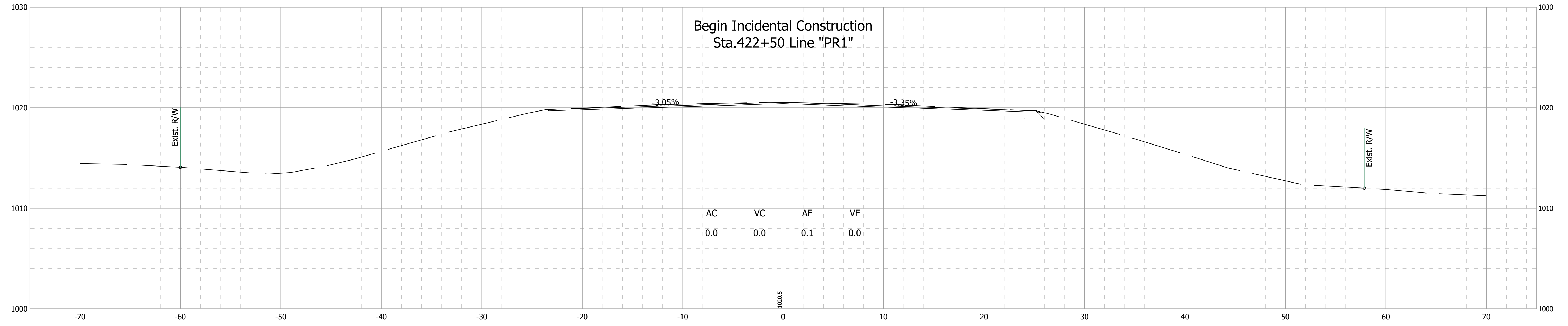
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "US-27"
STR. NO. 5 (CLV-027-068-55.25) - U.S. 27

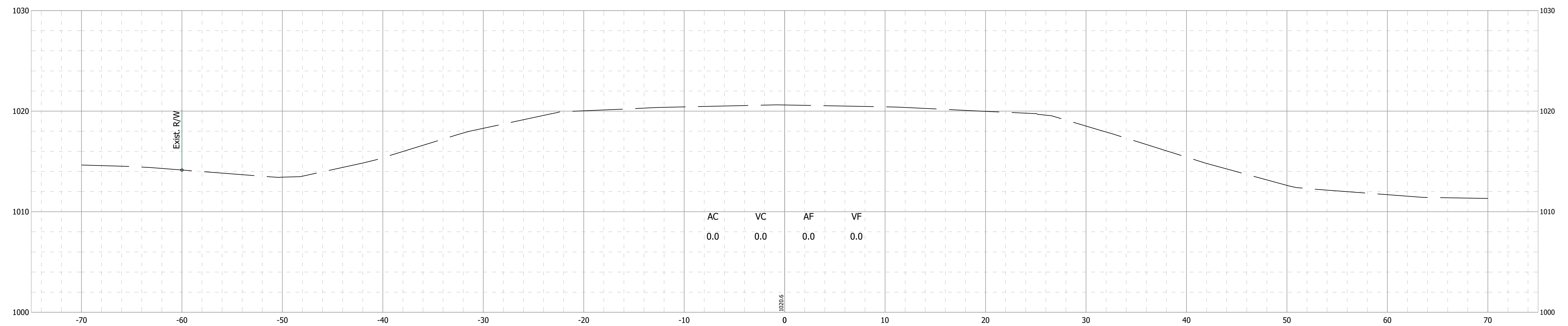
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	94 of 102
CONTRACT	PROJECT
R-43491	1902734

422+50

Begin Incidental Construction
Sta. 422+50 Line "PR1"



422+00



Date: Jul 20, 2022, 12:20pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PR0-02\Departments\HY\CAD\CrossSect\Cross Sections_by County.dwg

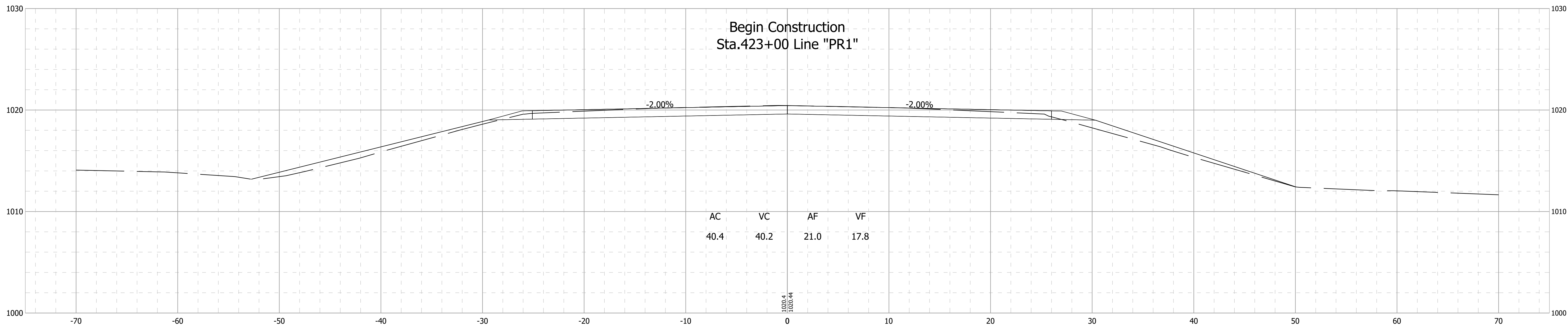
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ SMF _____	DRAWN: _____ KMA _____	
CHECKED: _____ AJK _____	CHECKED: _____ AJK _____	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

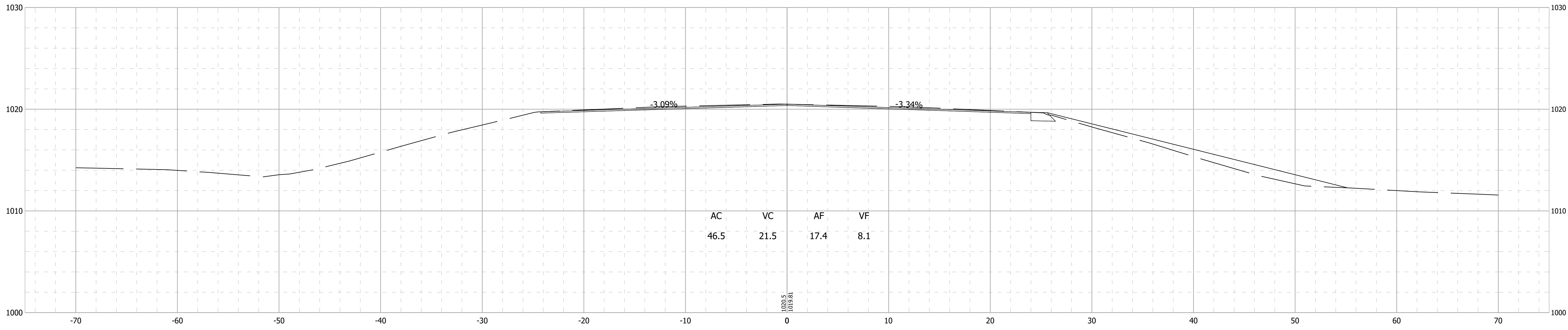
**CROSS SECTIONS - LINE "PR1"
STR. NO. 6 (CLV-027-038-57.06) - U.S. 27**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	95 of 102
CONTRACT	PROJECT
R-43491	1902734

423+00



422+75



Date: Jul 20, 2022, 12:20pm User Name: BBritten File: X:\Production\Files\2020\120-4028\PR0-02\Departments\HY\CAD\CrossSect\Cross Sections_by County.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
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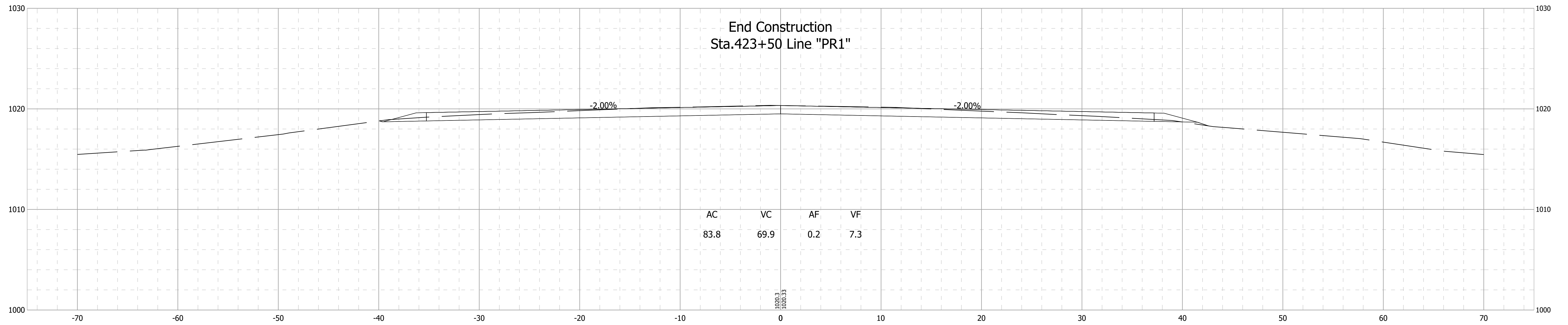
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - LINE "PR1"
STR. NO. 6 (CLV-027-038-57.06) - U.S. 27**

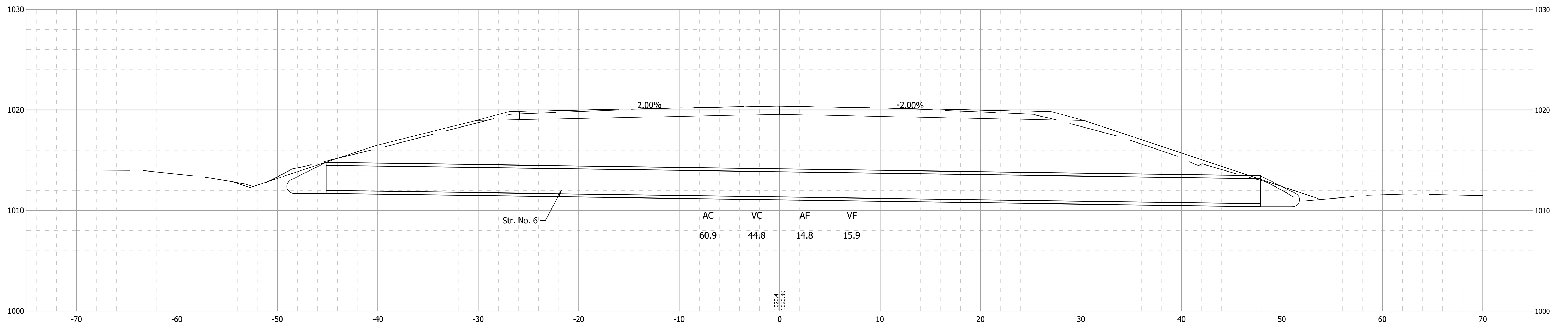
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	96 of 102
CONTRACT	PROJECT
R-43491	1902734

423+50

End Construction
Sta.423+50 Line "PR1"



423+23.90

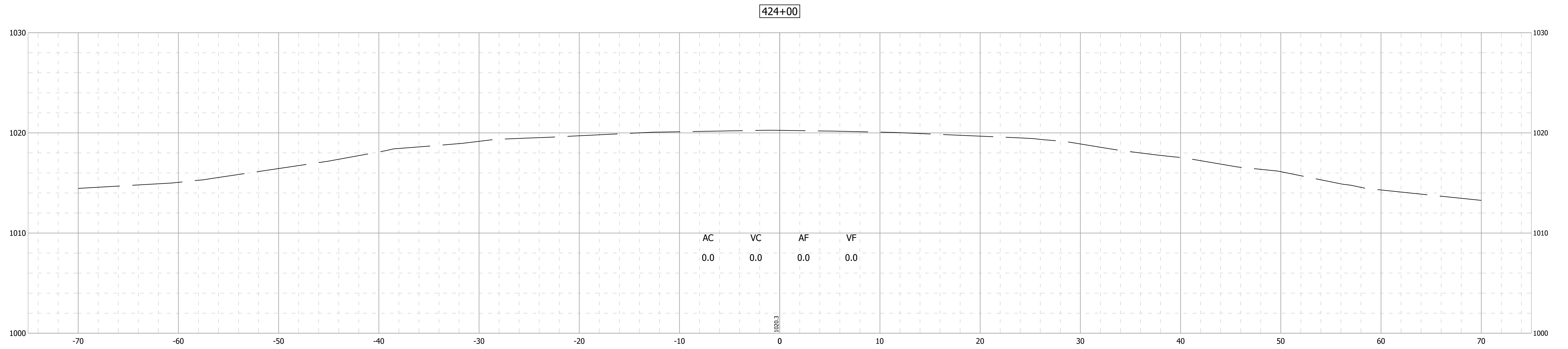


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
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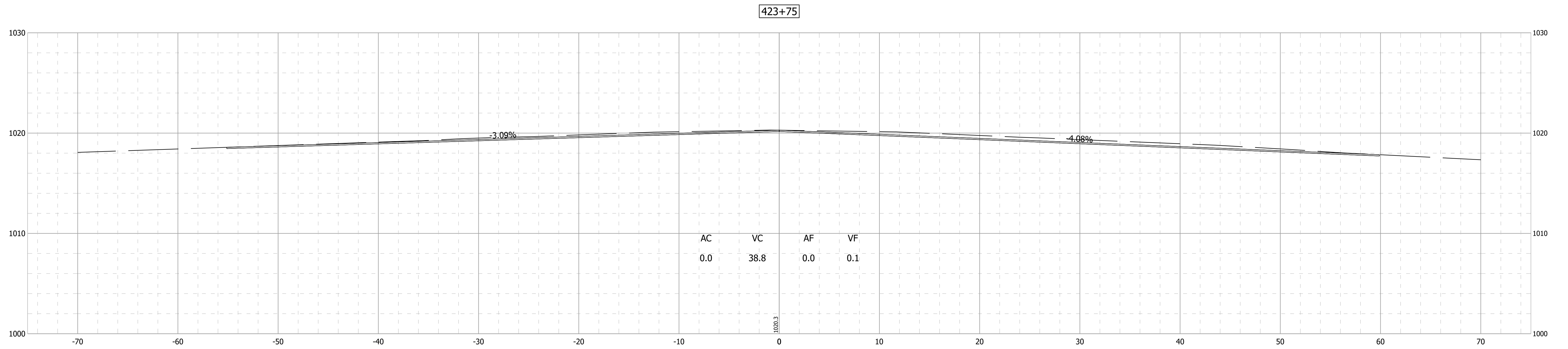
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "PR1"
STR. NO. 6 (CLV-027-038-57.06) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	97 of 102
CONTRACT	PROJECT
R-43491	1902734



End Incidental Construction
Sta.423+84.89 Line "PR1"



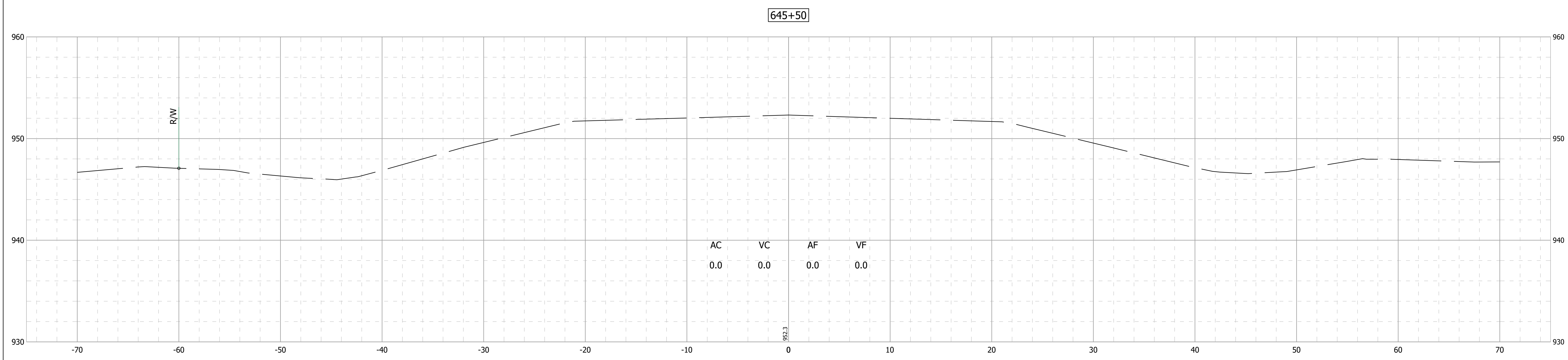
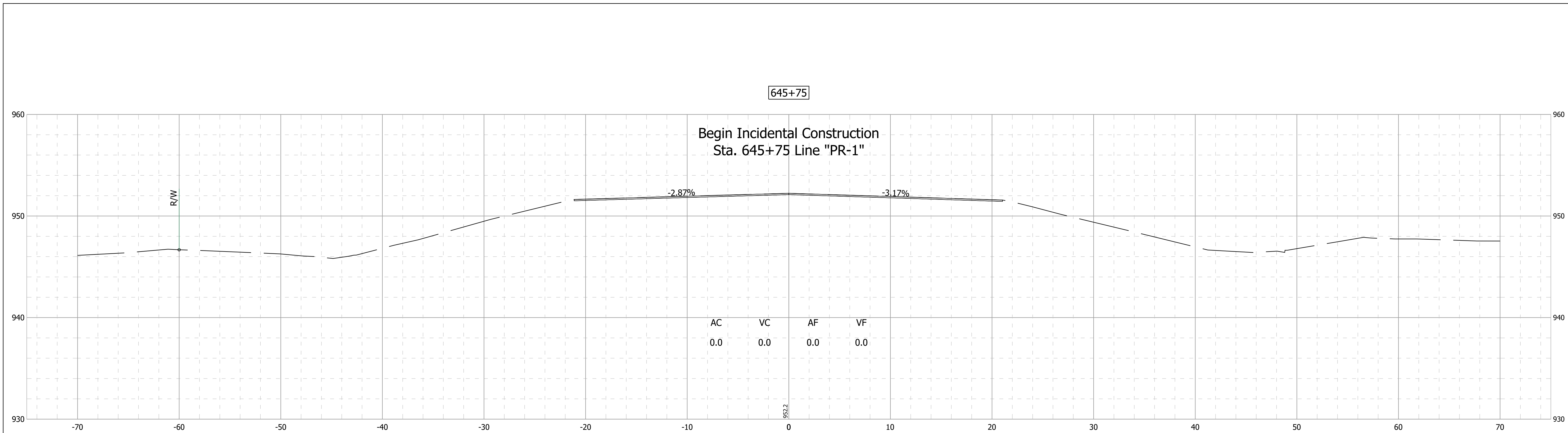
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "PR1"
STR. NO. 6 (CLV-027-038-57.06) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	98 of 102
CONTRACT	PROJECT
R-43491	1902734



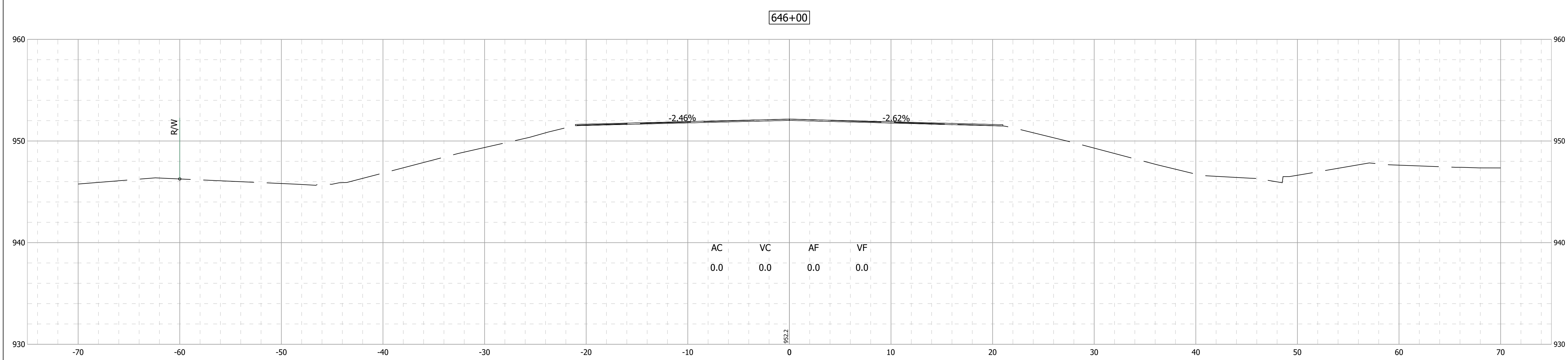
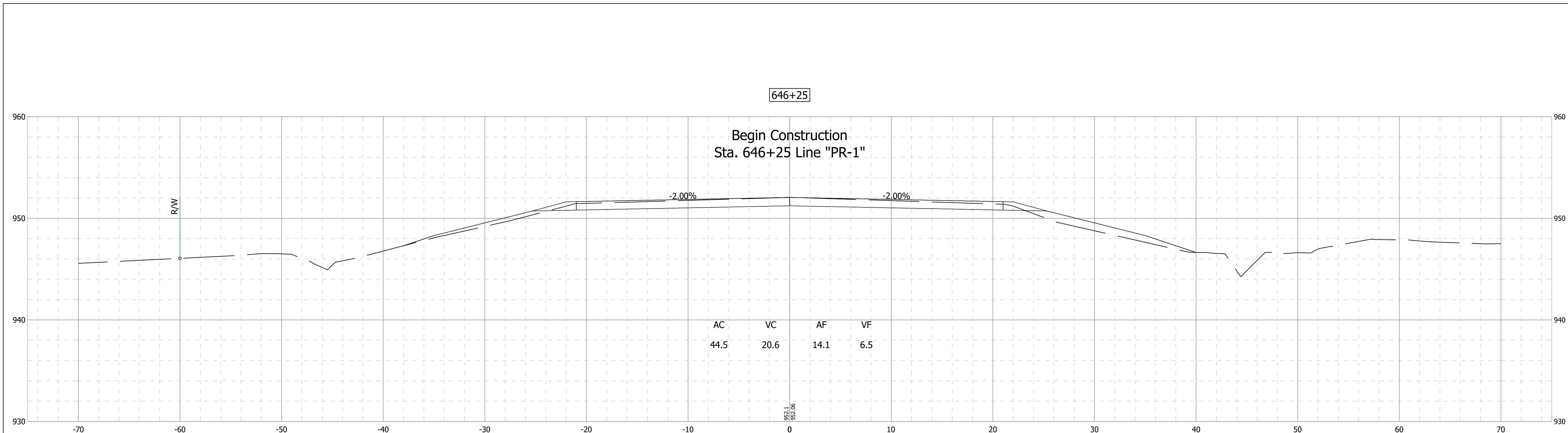
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "PR-1"
STR. NO. 7 (CLV-027-038-61.28) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	99 of 102
CONTRACT	PROJECT
R-43491	1902734



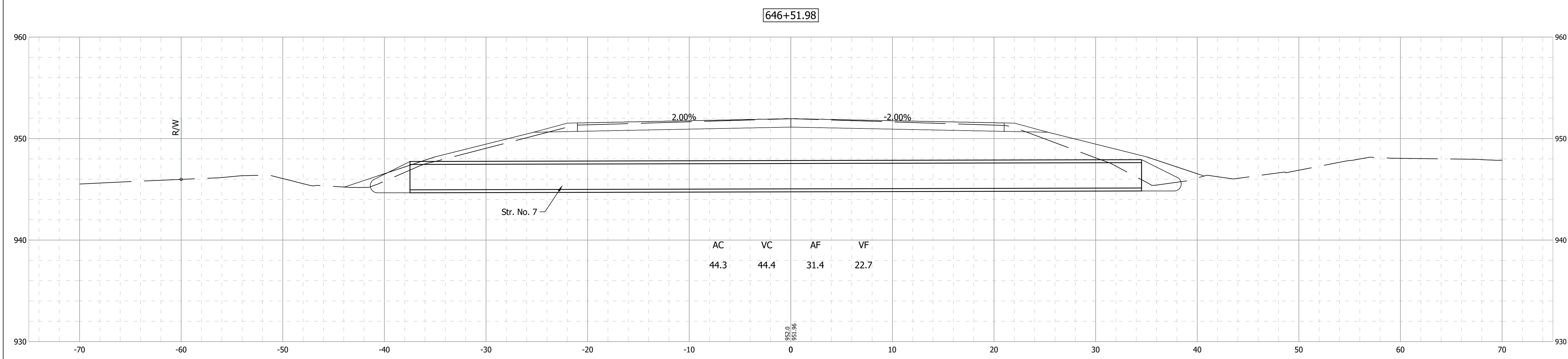
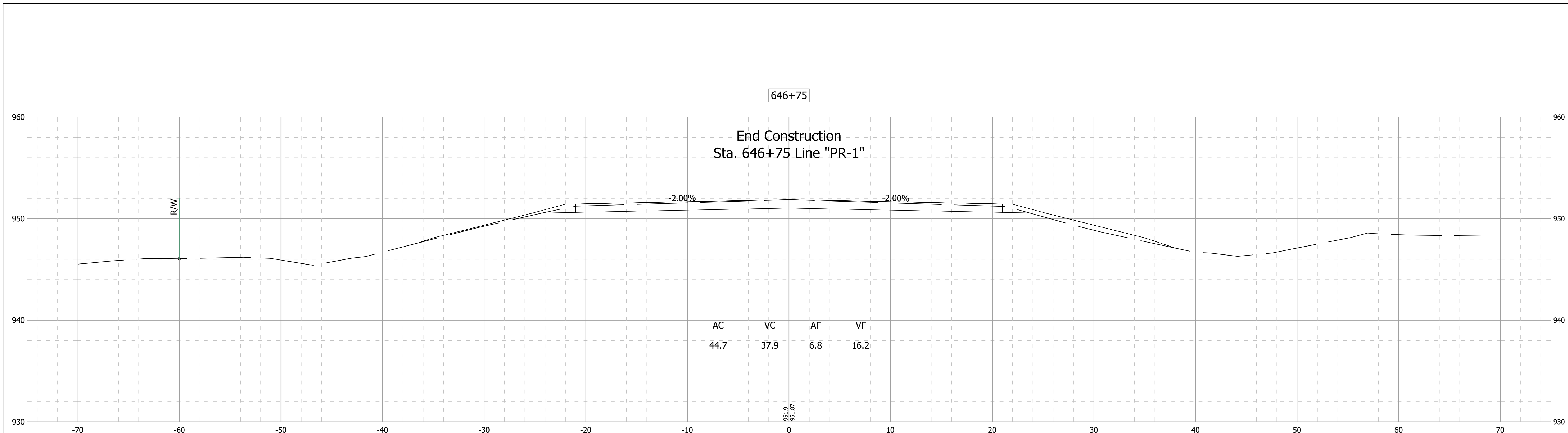
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "PR-1"
STR. NO. 7 (CLV-027-038-61.28) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	100 of 102
CONTRACT	PROJECT
R-43491	1902734



Date: Jul 20, 2022, 12:21pm User Name: BBritten
File: X:\Production\Files\2020\120-2028\PRJ-02\Departments\HY\CAD\CrossSect\Cross Sections_Bay County.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

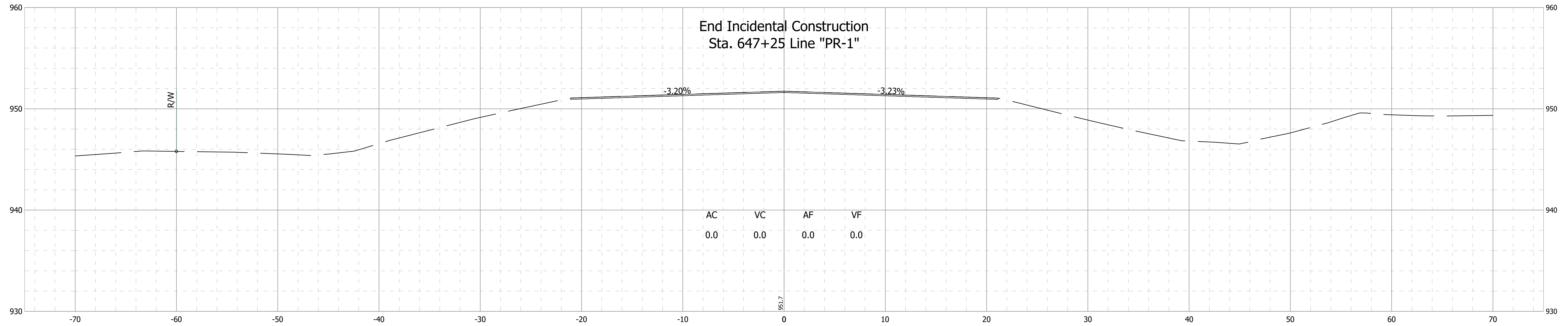
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "PR-1"
STR. NO. 7 (CLV-027-038-61.28) - U.S. 27

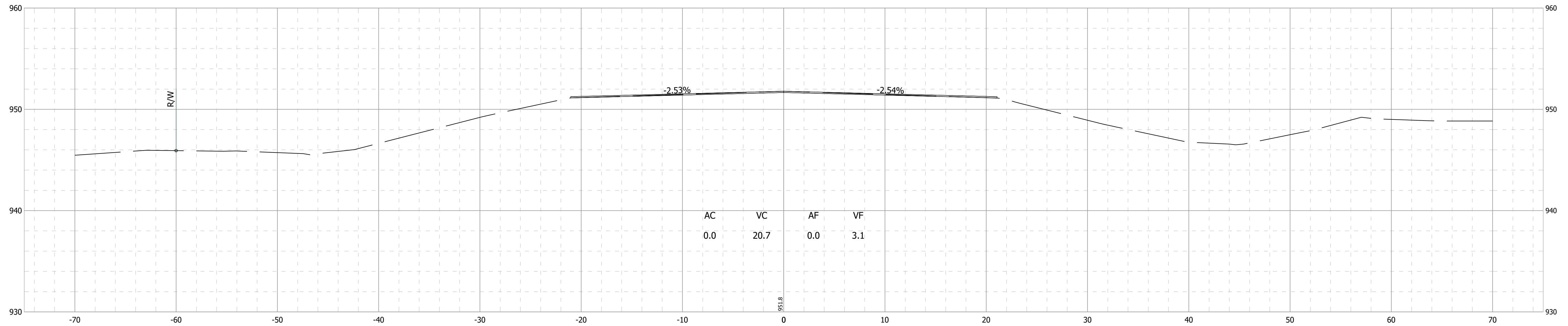
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	101 of 102
CONTRACT	PROJECT
R-43491	1902734

647+25

End Incidental Construction
Sta. 647+25 Line "PR-1"



647+00



Date: Jul 20, 2022, 12:21pm User Name: BBritten File: X:\Production\Files\2020\1200-2028\PR0-02\Departments\HY\CAD\CrossSect\Cross Sections_by County.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SMF	DRAWN: KMA	
CHECKED: AJK	CHECKED: AJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "PR-1"
STR. NO. 7 (CLV-027-038-61.28) - U.S. 27

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1902734
SURVEY BOOK	SHEETS
ELECTRONIC	102 of 102
CONTRACT	PROJECT
R-43491	1902734