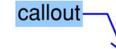
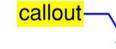
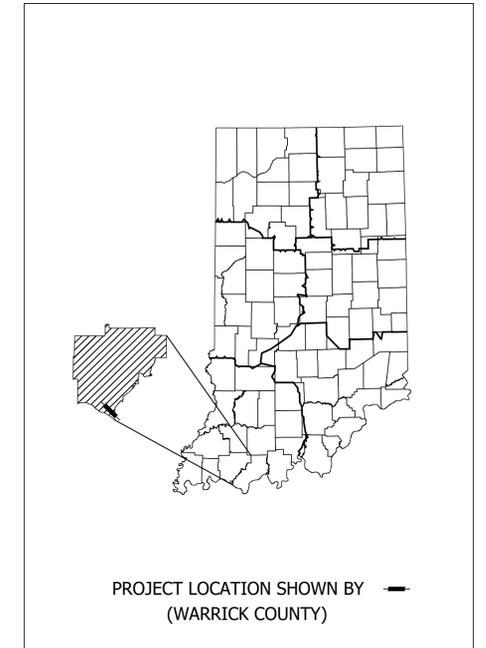
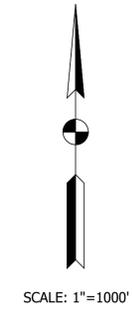
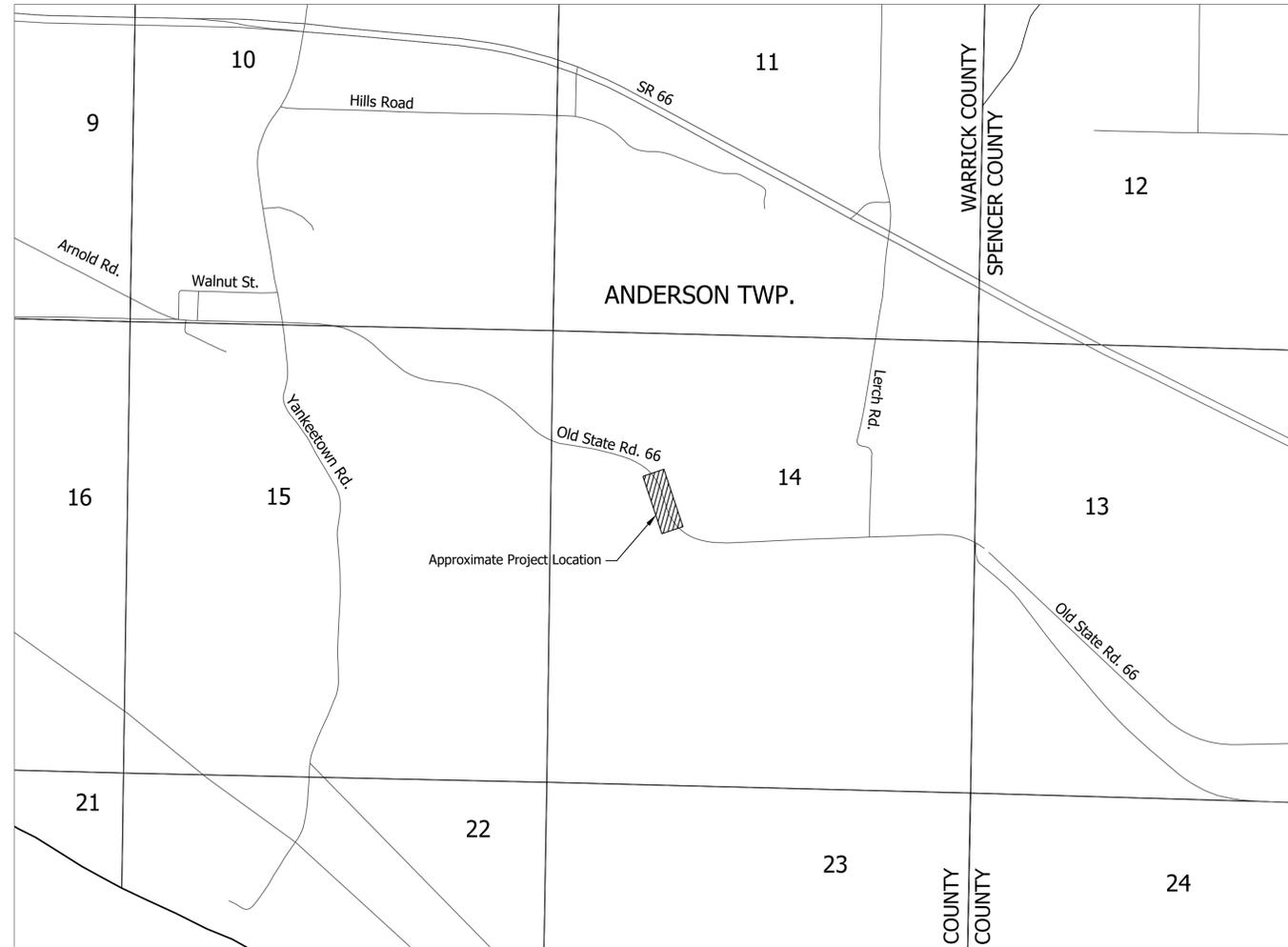


**ATTACHMENT A
INAW WORK PLAN
10/11/2023**

SLIDE CORRECTION OLD STATE ROAD 66 WARRICK COUNTY, INDIANA

Legend

-  existing main per survey
-  existing main corrected per GIS or other attributes
-  proposed main relocated to avoid conflict
-  general, no conflict callout
-  correction or conflict callout



LOCATION MAP

N: 37°54'40" W: 87°16'53"
SECTION 14, T.7.S., R.8.W
WARRICK COUNTY, INDIANA

Date: Oct 10, 2023, 9:52am User Name: eolson
File: X:\Production\Files\2021\121-0079\Departments\PI\CAD\Misc\DWG\Title Sheet.dwg

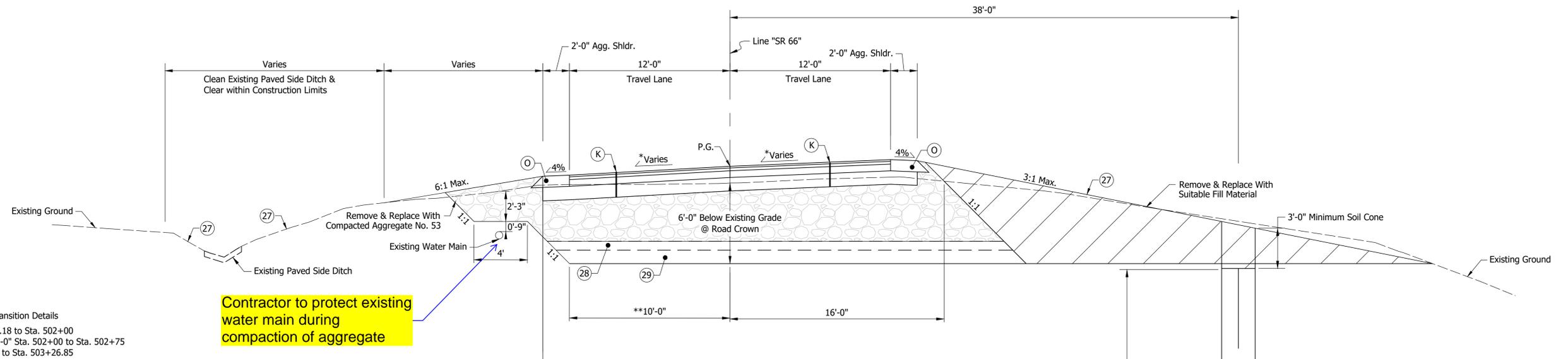
GEOTECHNICAL CONSULTANTS
ATLAS TECHNICAL CONSULTANTS
7988 CENTERPOINT DR., SUITE 100
INDIANAPOLIS, IN 46256

Plans Prepared By:
LOCHMUELLER GROUP
6200 Vogel Road
Evansville, Indiana 47715
Phone: 812.479.6200
Toll Free: 800.423.7411

PLANS PREPARED BY: LOCHMUELLER GROUP (812) 479-6200
6200 Vogel Road, Evansville, IN 47715 PHONE NUMBER
CERTIFIED BY: _____ 10/10/2023 DATE

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

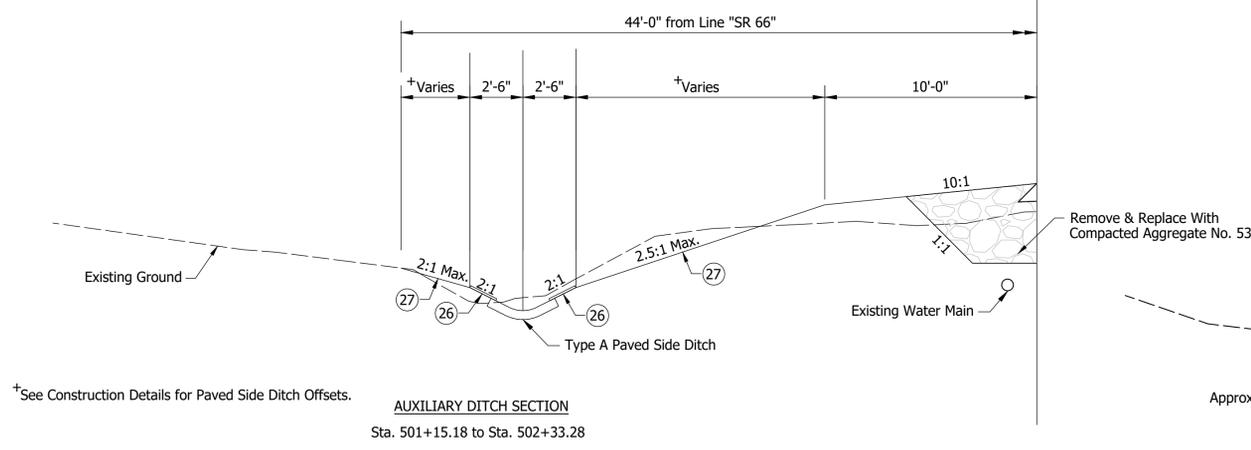
	BRIDGE FILE	-
	DESIGNATION	---
	SHEET	1 of 26
	CONTRACT	LOCH. PROJECT NO. 121-0079



* See Cross Slope Transition Details
 ** 10'-0" Sta. 501+15.18 to Sta. 502+00
 Varies 10'-0" to 14'-0" Sta. 502+00 to Sta. 502+75
 14'-0" Sta. 502+75 to Sta. 503+26.85

Contractor to protect existing water main during compaction of aggregate

TYPICAL SECTION
 Sta. 501+15.18 to Sta. 503+26.85



+See Construction Details for Paved Side Ditch Offsets.

AUXILIARY DITCH SECTION
 Sta. 501+15.18 to Sta. 502+33.28

- LEGEND**
- (K) Full Depth HMA
 165#/SYS - QC/QA-HMA, 3, 64, Surface, 9.5mm on
 275#/SYS - QC/QA-HMA, 2, 64, Intermediate, 19.0mm on
 6" Compacted Aggregate, No. 53 on
 Subgrade Treatment, Type IC
 - (O) Compacted Aggregate No. 53, 10"
 - (26) Sodding
 - (27) Mulched Seeding, R
 - (28) Compacted Aggregate No. 53, 8" on
 Geogrid, Type IB on
 - (29) Compacted Aggregate No. 53, 12" on
 Geogrid, Type IB

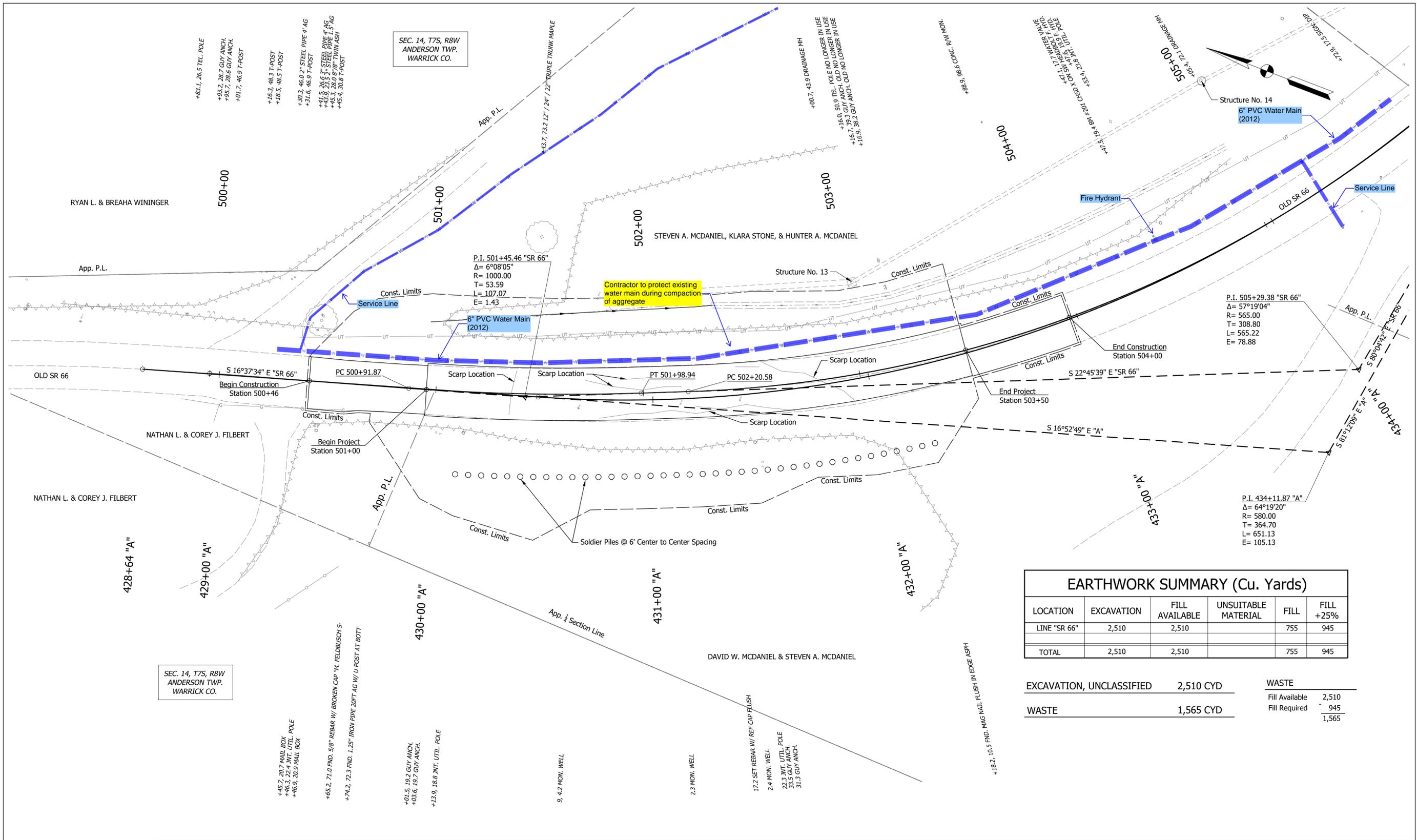
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: NAW	DRAWN: ERO	
CHECKED: JAW	CHECKED: NAW	

INDIANA
 DEPARTMENT OF NATURAL RESOURCES

**TYPICAL CROSS SECTIONS
 LINE "SR 66"**

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'-0"	-
VERTICAL SCALE	DESIGNATION
---	---
SURVEY BOOK	SHEET
	4 of 26
CONTRACT	PROJECT
---	121-0079



EARTHWORK SUMMARY (Cu. Yards)					
LOCATION	EXCAVATION	FILL AVAILABLE	UNSUITABLE MATERIAL	FILL	FILL +25%
LINE "SR 66"	2,510	2,510		755	945
TOTAL	2,510	2,510		755	945

EXCAVATION, UNCLASSIFIED	2,510 CYD	WASTE
WASTE	1,565 CYD	Fill Available 2,510 Fill Required 945 1,565

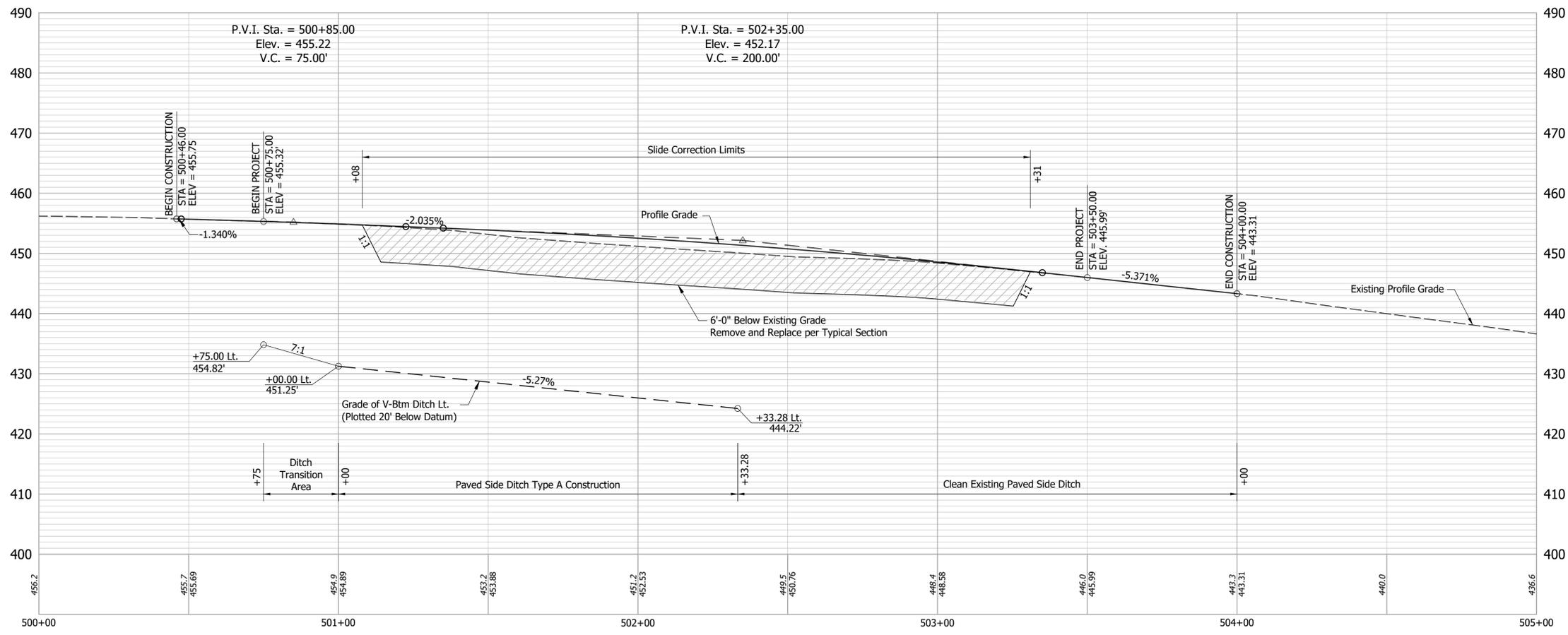
Notes:
 1) Station/Offset Toponotes, Benchmarks, & Right-of-Way Described from Line "A".
 2) All Stationing off of Line "SR 66" unless otherwise noted.
 3) Preliminary research discovered the Right-of-Way grants were not recorded within 1-year of being acquired and there it is anticipated all R/W outside of the existing pavement will need to be re-acquired.

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	10/10/2023	DATE
DESIGNED: NAW	DRAWN: ERO		
CHECKED: JAW	CHECKED: NAW		

INDIANA
 DEPARTMENT OF NATURAL RESOURCES

PLAN
 LINE "SR 66"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	-
VERTICAL SCALE	DESIGNATION
---	---
SURVEY BOOK	SHEET
	7 of 26
CONTRACT	PROJECT
---	121-0079



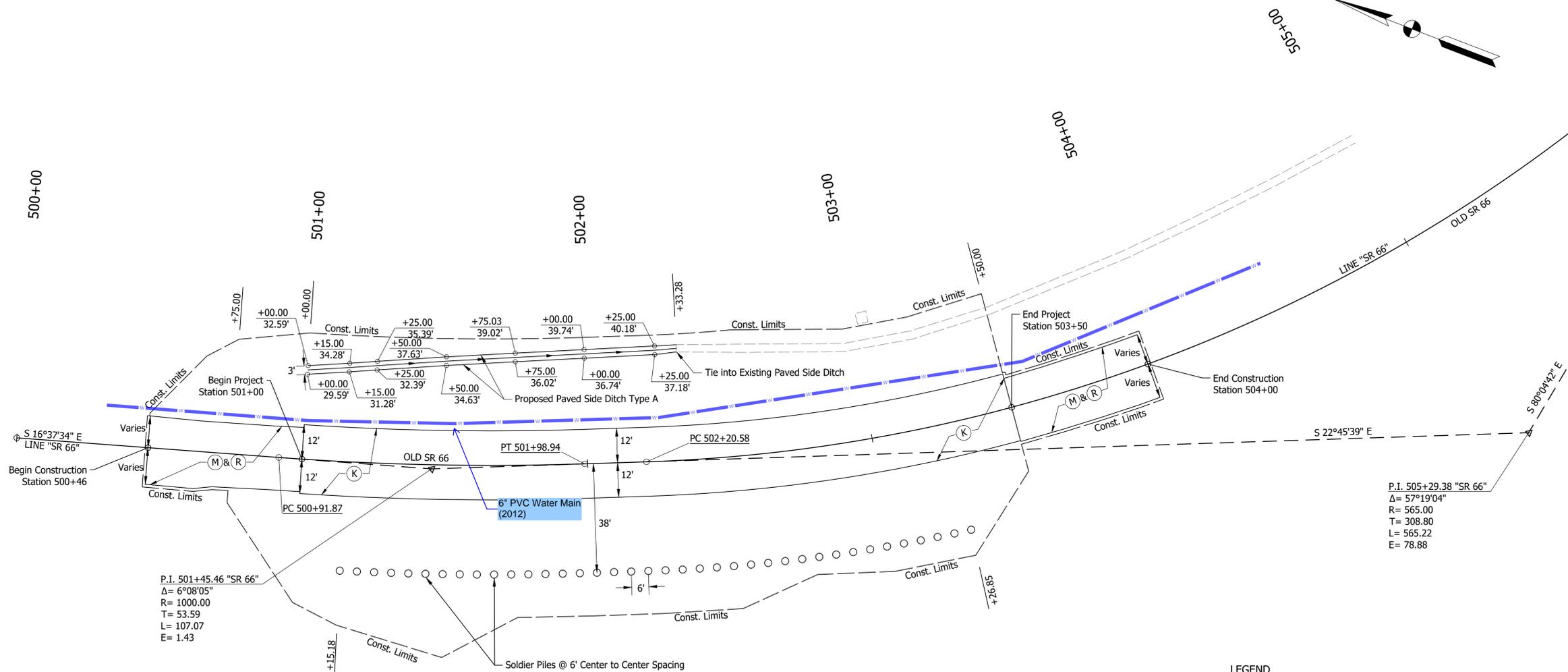
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		10/10/2023
DESIGNED: NAW	DRAWN: ERO	
CHECKED: JAW	CHECKED: NAW	

INDIANA
 DEPARTMENT OF NATURAL RESOURCES

**PROFILE
 LINE "SR 66"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	-
VERTICAL SCALE	DESIGNATION
1"=10'	---
SURVEY BOOK	SHEET
	8 of 26
CONTRACT	PROJECT
---	121-0079



P.I. 505+29.38 "SR 66"
 $\Delta = 57^\circ 19' 04''$
 R = 565.00
 T = 308.80
 L = 565.22
 E = 78.88

P.I. 501+45.46 "SR 66"
 $\Delta = 6^\circ 08' 05''$
 R = 1000.00
 T = 53.59
 L = 107.07
 E = 1.43

- LEGEND**
- (K) Full Depth HMA
 165#/SYS - QC/QA-HMA, 3, 64, Surface, 9.5mm on
 275#/SYS - QC/QA-HMA, 2, 64, Intermediate, 19.0mm on
 6" Compacted Aggregate, No. 53 on
 Subgrade Treatment, Type IC
 - (M) Milling, Asphalt, 1.5"
 - (R) 165#/SYS - QC/QA-HMA, 3, 64, Surface, 9.5 mm

Notes:
 1) All Stationing off of Line "SR 66" unless otherwise noted.

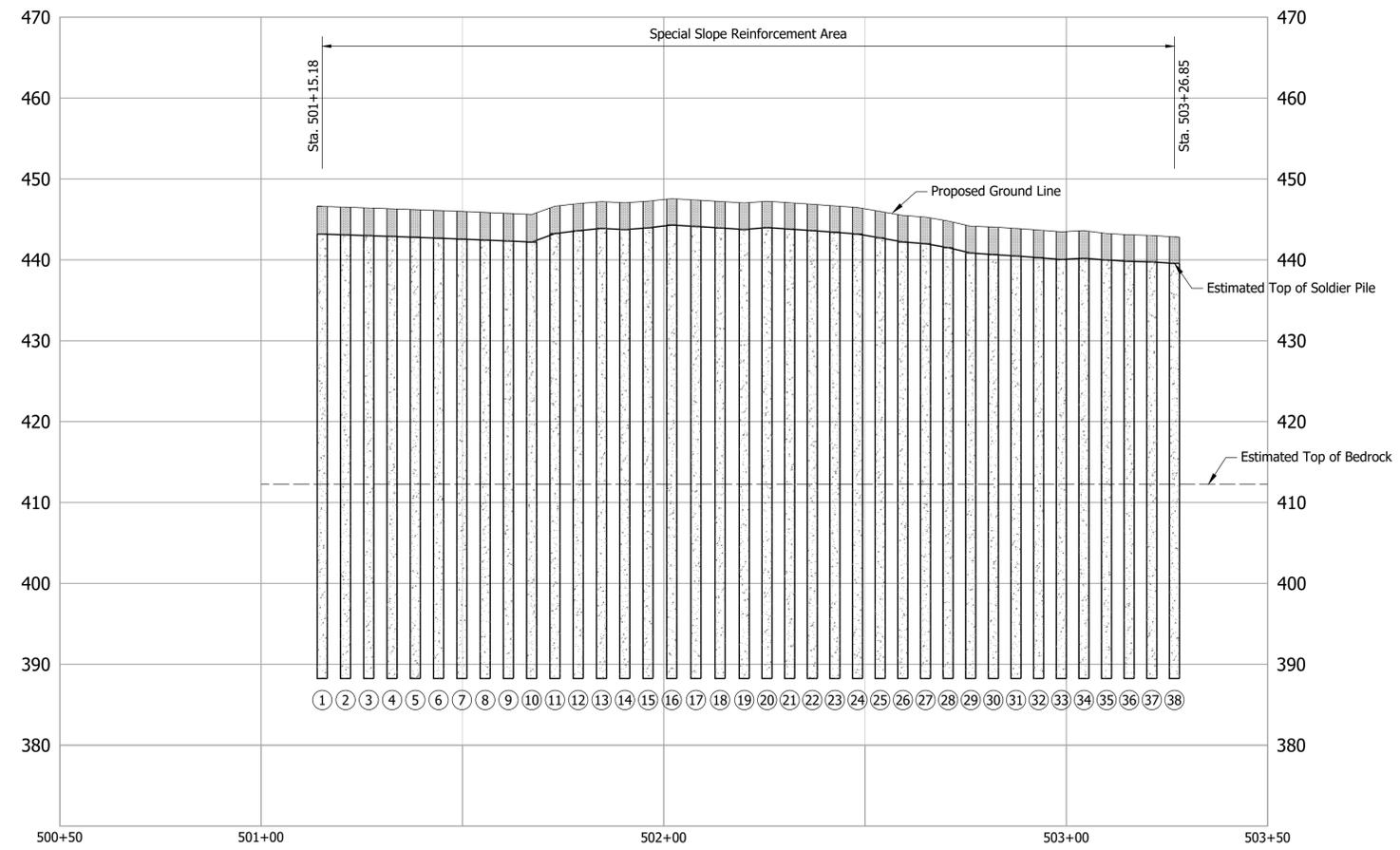
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	10/10/2023	DATE
DESIGNED: NAW	DRAWN: ERO		
CHECKED: JAW	CHECKED: NAW		

INDIANA
 DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DETAILS
 LINE "SR 66"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	-
VERTICAL SCALE	DESIGNATION
---	---
SURVEY BOOK	SHEET
	10 of 26
CONTRACT	PROJECT
---	121-0079



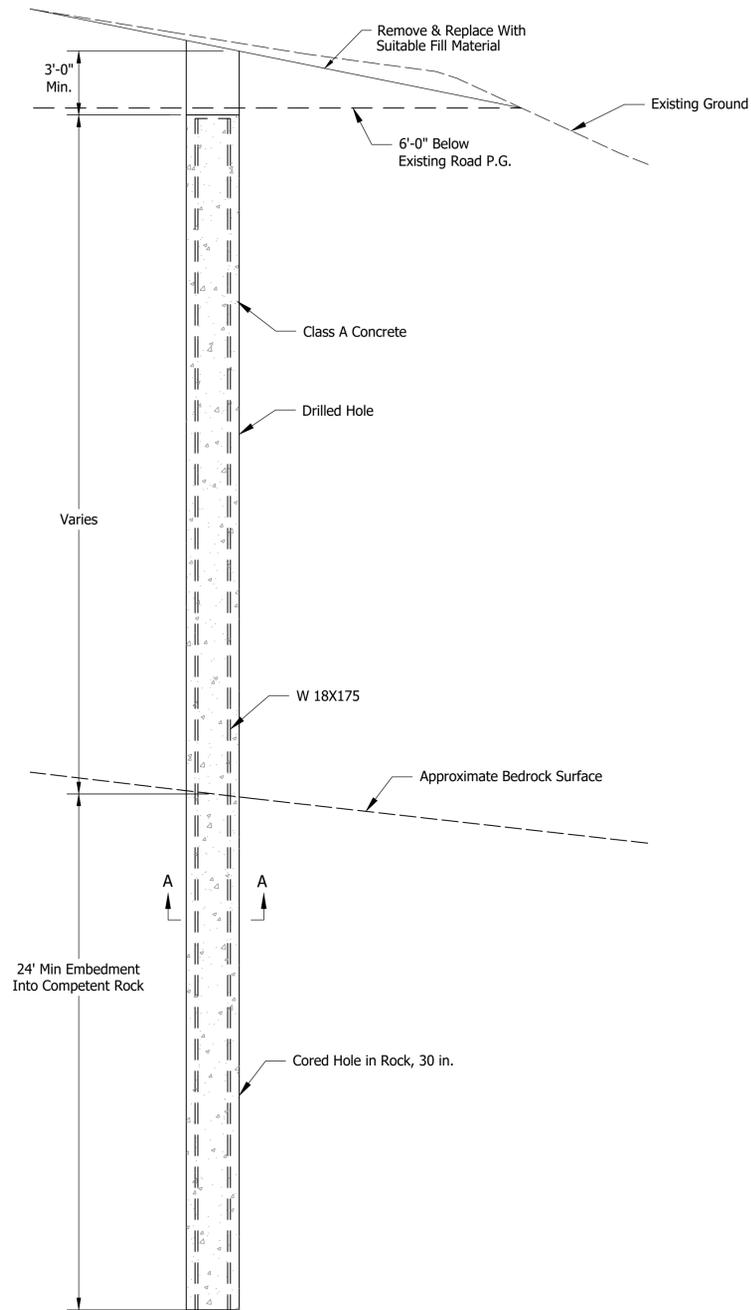
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	10/10/2023	DATE
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CHECKED: JAW	CHECKED: NAW		

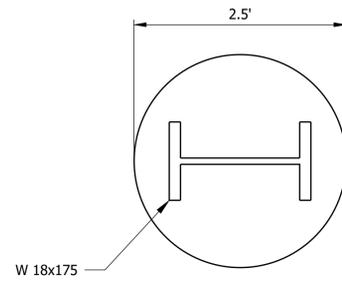
INDIANA
 DEPARTMENT OF NATURAL RESOURCES

WALL PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	-
VERTICAL SCALE	DESIGNATION
1"=10'	---
SURVEY BOOK	SHEET
	15 of 26
CONTRACT	PROJECT
---	121-0079



SOLDIER PILE TYPICAL SECTION
 SCALE: 1"=1'-0"
 2.5' DIAMETER DRILLED HOLE WITH
 W 18X175 REINFORCEMENT SECTION



SECTION A-A
 SCALE: 1"=1'-0"

- Notes:
1. Wide Flange Sections shall be 50 ksi Yield Strength Steel.
 2. Drill Holes shall be Free of All Loose Materials and Shall be Free of Water Before and During Placement of Concrete.
 3. Flange of Wide Flange Section shall be Oriented Parallel to Roadway Centerline.
 4. Field Adjust Actual Bottom and Top of Reinforcement Soldier Piles Based Upon Top of Competent Bedrock Elevation at Each Soldier Pile Location.

**SPECIAL SLOPE REINFORCEMENT SOLDIER PILES
 SUMMARY TABLE**

PIER NO.	STATION	OFFSET		PIERS				REMARKS
				TOP OF PIER ELEVATION	ESTIMATED TOP OF ROCK ELEVATION	ESTIMATED GROUND ELEVATION	MINIMUM BEDROCK EMBEDMENT LENGTH	
							FT	
1	501+15.18	38.00	R	443.2	412.2	446.6	24	
2	501+20.96	38.00	R	443.1	412.2	446.5	24	
3	501+26.74	38.00	R	443.0	412.2	446.4	24	
4	501+32.52	38.00	R	442.9	412.2	446.3	24	
5	501+38.30	38.00	R	442.8	412.2	446.2	24	
6	501+44.08	38.00	R	442.7	412.2	446.1	24	
7	501+49.87	38.00	R	442.6	412.2	446.0	24	
8	501+55.65	38.00	R	442.5	412.2	445.9	24	
9	501+61.43	38.00	R	442.3	412.2	445.8	24	
10	501+67.21	38.00	R	442.2	412.2	445.6	24	
11	501+72.99	38.00	R	443.3	412.2	446.6	24	
12	501+78.77	38.00	R	443.6	412.2	447.0	24	
13	501+84.55	38.00	R	443.9	412.2	447.2	24	
14	501+90.33	38.00	R	443.7	412.2	447.1	24	
15	501+96.11	38.00	R	444.0	412.2	447.3	24	
16	502+02.00	38.00	R	444.3	412.2	447.6	24	
17	502+08.00	38.00	R	444.1	412.2	447.4	24	
18	502+14.00	38.00	R	444.0	412.2	447.2	24	
19	502+20.00	38.00	R	443.8	412.2	447.0	24	
20	502+25.66	38.00	R	444.0	412.2	447.2	24	
21	502+31.28	38.00	R	443.8	412.2	447.1	24	
22	502+36.90	38.00	R	443.6	412.2	446.9	24	
23	502+42.52	38.00	R	443.4	412.2	446.7	24	
24	502+48.15	38.00	R	443.2	412.2	446.5	24	
25	502+53.77	38.00	R	442.7	412.2	446.0	24	
26	502+59.39	38.00	R	442.2	412.2	445.5	24	
27	502+65.01	38.00	R	442.0	412.2	445.3	24	
28	502+70.63	38.00	R	441.5	412.2	444.8	24	
29	502+76.26	38.00	R	440.9	412.2	444.2	24	
30	502+81.88	38.00	R	440.7	412.2	444.1	24	
31	502+87.50	38.00	R	440.5	412.2	443.9	24	
32	502+93.12	38.00	R	440.3	412.2	443.7	24	
33	502+98.74	38.00	R	440.1	412.2	443.5	24	
34	503+04.36	38.00	R	440.2	412.2	443.6	24	
35	503+09.99	38.00	R	440.0	412.2	443.3	24	
36	503+15.61	38.00	R	439.8	412.2	443.1	24	
37	503+21.23	38.00	R	439.8	412.2	443.0	24	
38	503+26.85	38.00	R	439.6	412.2	442.8	24	

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	10/10/2023 DATE	INDIANA DEPARTMENT OF NATURAL RESOURCES		HORIZONTAL SCALE As Shown	BRIDGE FILE -
DESIGNED: _____ NAW	DRAWN: _____ ERO	SOLDIER PILE DETAILS		VERTICAL SCALE ---	DESIGNATION ---
CHECKED: _____ JAW	CHECKED: _____ NAW			SURVEY BOOK	SHEET 16 of 26
				CONTRACT ---	PROJECT ---