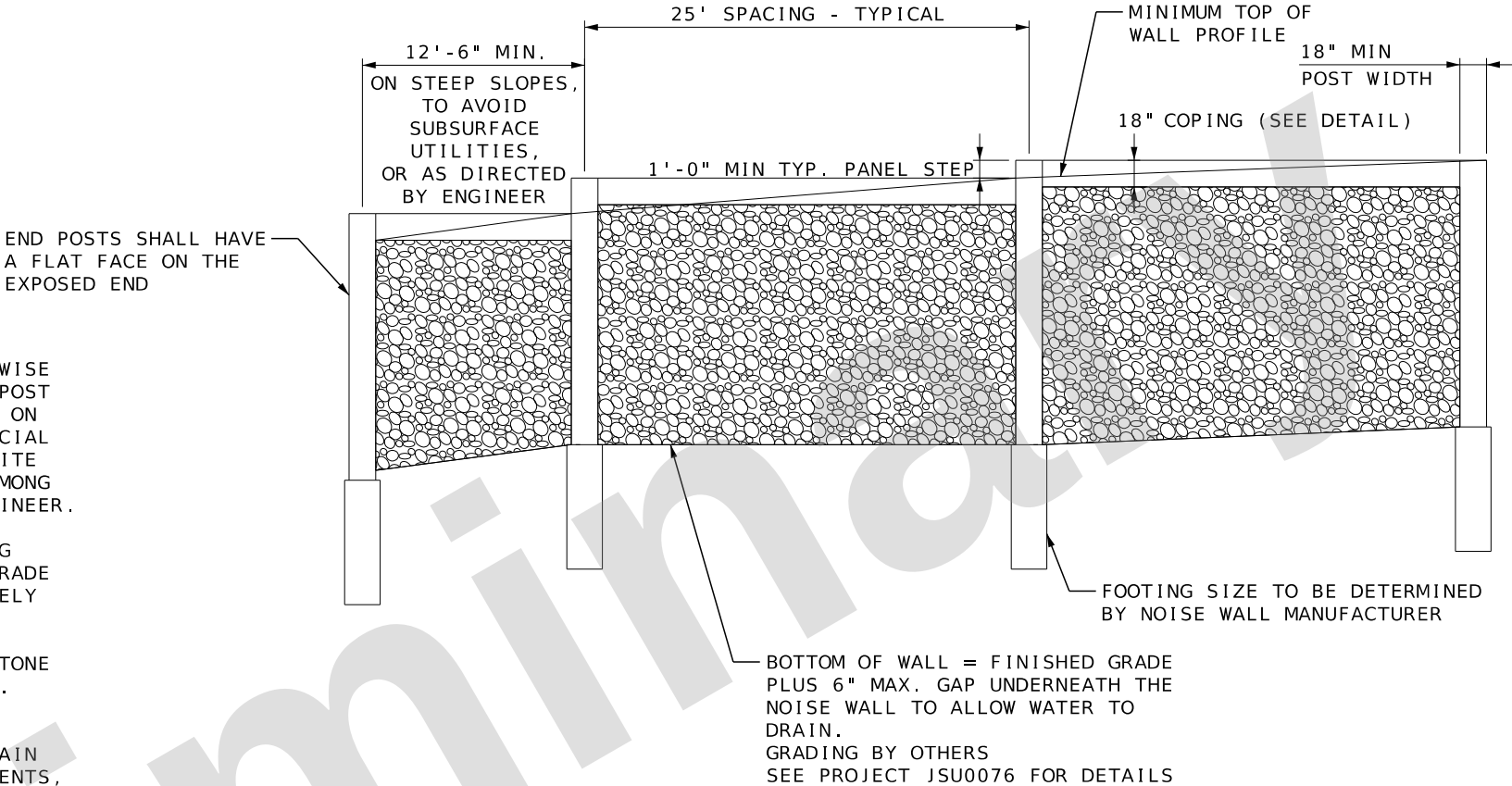


NOISE WALLS SHALL USE 25 FOOT STANDARD POST SPACING UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER. IN STEEPER AREAS POST SPACING MAY BE SHORTENED TO 12 FOOT 6 INCHES OR 16 FOOT 8 INCHES ON CENTER TO ACCOMMODATE THE GRADE CHANGE AS SHOWN. IN ADDITION SPECIAL CIRCUMSTANCES MAY ALSO REQUIRE THE SHORTER POST SPACING DUE TO SITE CONDITIONS SUCH AS END OF WALL, WALL TRANSITIONS, OR UTILITIES AMONG OTHERS. SPACING CHANGES WILL ONLY BE MADE AS APPROVED BY THE ENGINEER.

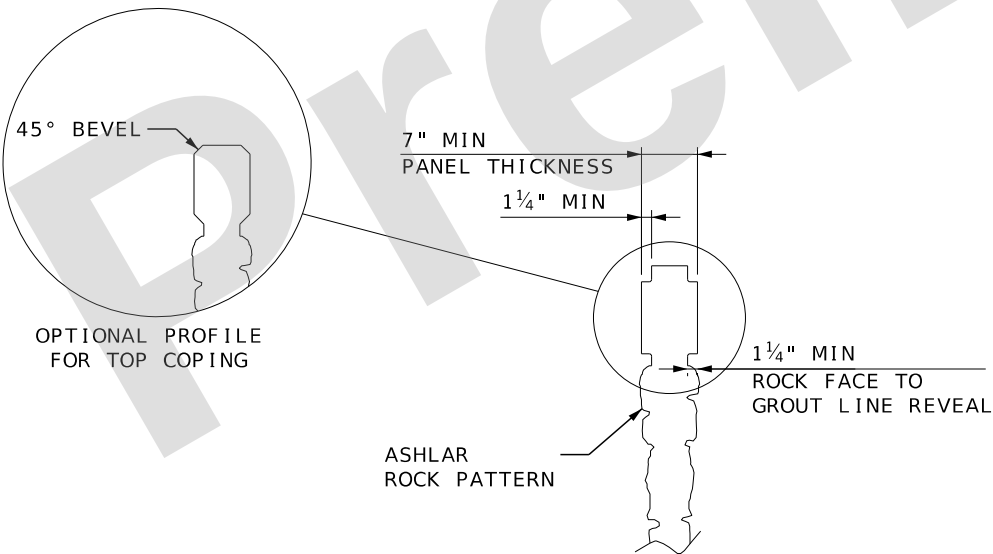
PANELS MAY VARY IN HEIGHT DEPENDING ON THE SITE CONDITIONS, USING TALLEST PANEL HEIGHTS TO ACHIEVE THE FEWEST HORIZONTAL JOINTS. GRADE CHANGES WILL BE HANDLED WITH A TYPICAL STEP HEIGHT OF APPROXIMATELY 12 INCHES UNLESS OTHERWISE SHOWN ON PLANS.

DESIGN TREATMENTS FOR THE NOISE WALL PANELS WILL USE AN ASHLAR STONE PATTERN ON BOTH SIDES. NOISE WALL POSTS SHALL BE SMOOTH CONCRETE. END POSTS SHALL HAVE A FLAT FACE ON THE EXPOSED END.

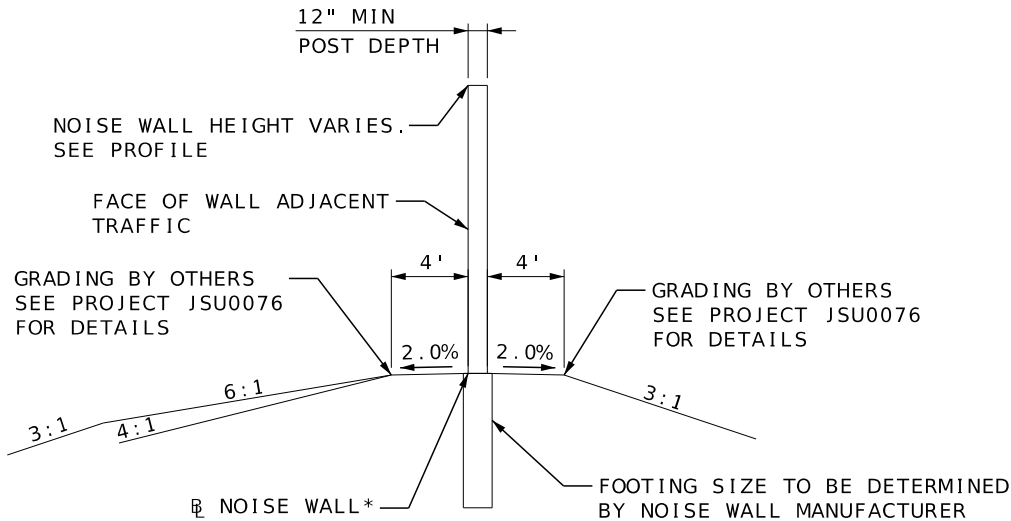
ALL WALL ELEMENTS WILL BE STAINED WITH A PENETRATING CONCRETE STAIN PROVIDING A UNIFORM COLOR. FOR AESTHETIC CONCRETE STAIN REQUIREMENTS, SEE JOB SPECIAL PROVISIONS.



NOISE WALL ELEVATION



TOP OF WALL
COPING DETAIL



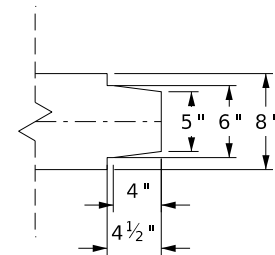
NOISE WALL TYPICAL SECTION AT FOOTING

* NOISE WALL IS LOCATED AT THE FACE OF WALL ADJACENT TRAFFIC. PROFILE GRADE IS PROVIDED AT NOISE WALL.

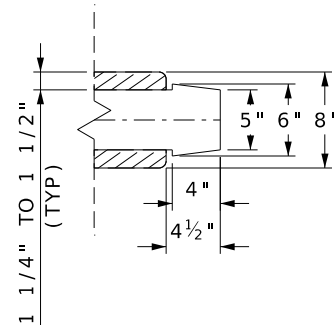
NOISE WALLS ON SLOPES MAY NEED TO BE ADJUSTED TO ASSURE THAT THE FOOTINGS ARE COVERED.

NOISE WALL
DETAILS
SHEET 1 OF 2

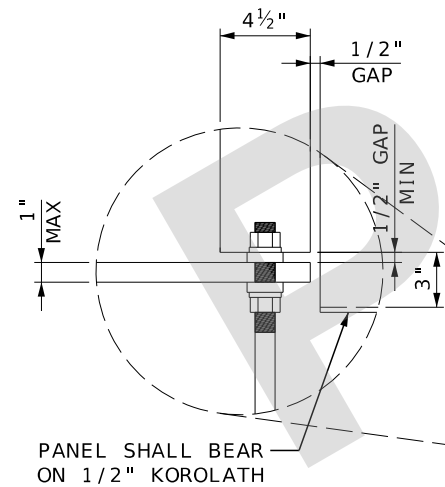
DATE PREPARED 8/6/2024	
ROUTE 44	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY GREENE	
JOB NO. JSU0114	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
MODOT	
GBA	
9801 Renner Blvd, Ste. 300 Lenexa, KS 66219 913.492.0400 GBAteam.com	
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SAMUEL C. TAPKO PROFESSIONAL ENGINEER PE-2017015108	



TOP PANEL END
PLAN VIEW

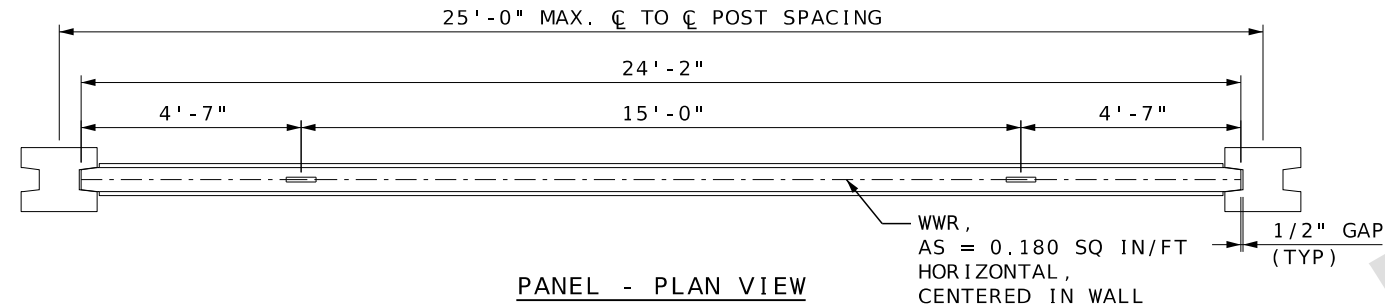


MIDDLE & BOTTOM PANEL END
PLAN VIEW

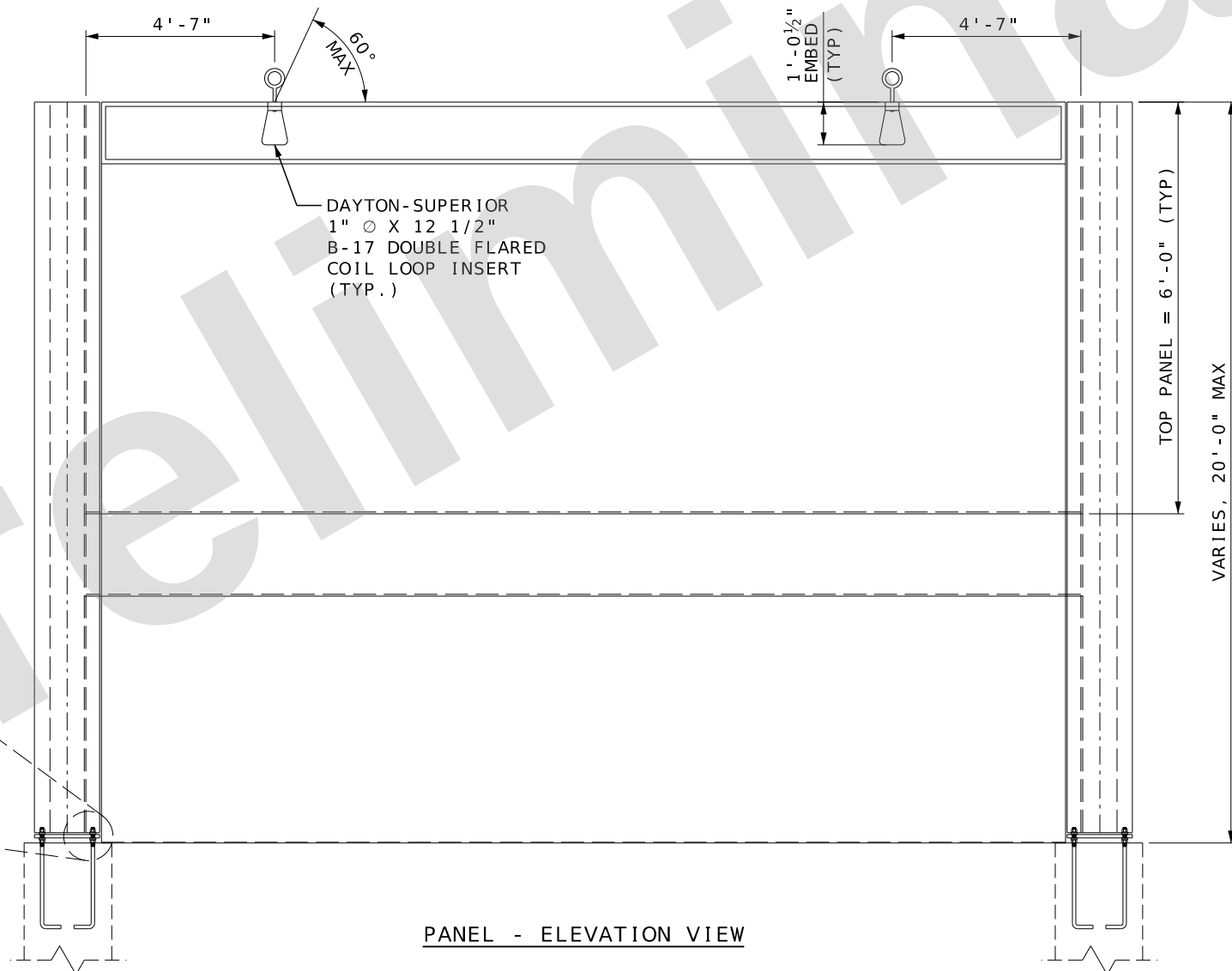


PANEL SHALL BEAR ON 1/2" KOROLATH

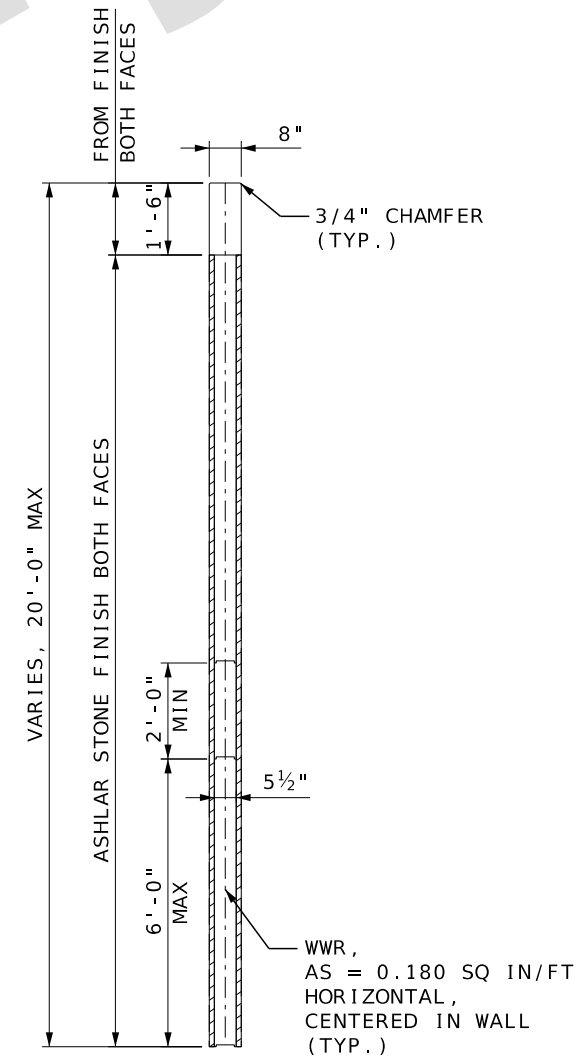
PANEL NOTCH
DETAIL



PANEL - PLAN VIEW



PANEL - ELEVATION VIEW



PANEL - SECTION

NOISE WALL
DETAILS
SHEET 2 OF 2

DATE PREPARED 8/6/2024	
ROUTE 44	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY GREENE	
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
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MOBILIZATION
1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

NOISE WALL						
SHEET NO.	ALIGNMENT	STATION BEGIN	STATION END	NOISE WALL SYSTEM (SF)	AESTHETIC CONCRETE STAIN (LS)	FORM LINERS (SY)
4-9	NOISE WALL	0+00.00	25+00.00	47,250	1	10,500
			PROJECT TOTAL	47,250	1	10,500

NOTE: A MINIMUM OF TWO COATS OF AESTHETIC CONCRETE STAIN SHALL BE APPLIED TO EACH FACE OF WALL.

TEMPORARY TRAFFIC CONTROL							
ALIGNMENT	STATION	SIDE	SIGN	SIZE (IN)	AREA (SF)	QTY (EA)	TOTAL (SF)
I-44	1142+54	RT	WO20-1	48X48	16.00	1	16.00
					PROJECT TOTAL		16.00

NOTE: SEE TYPICAL APPLICATION TA-1S DETAILS.

SUMMARY OF QUANTITIES
SHEET 1 OF 1

DATE PREPARED
8/6/2024

ROUTE
44

DISTRICT
SW

COUNTY
GREENE

JOB NO.
JSU0114

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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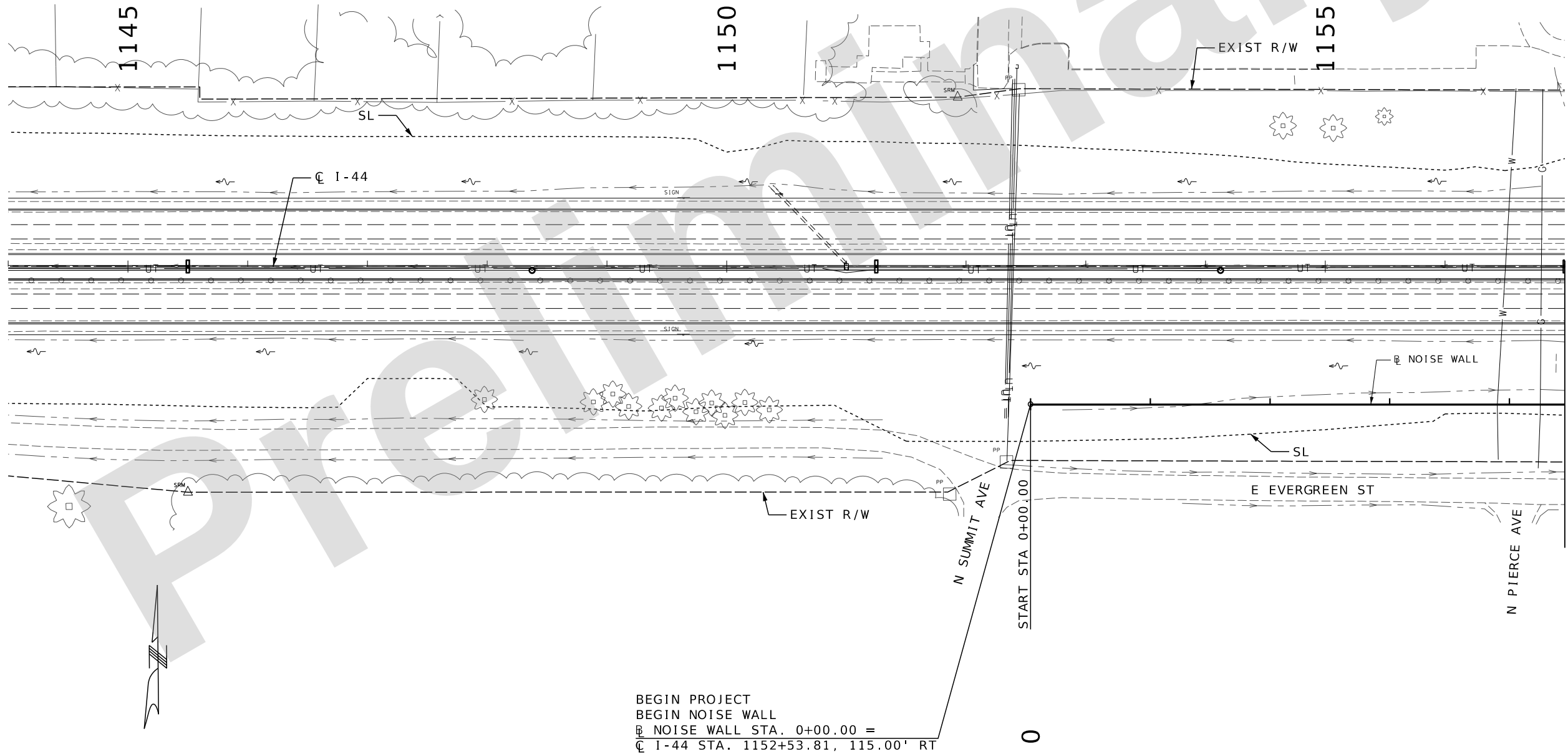
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REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

ANY WORK INDICATED ON THE PLANS THAT EXTENDS
BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL
TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

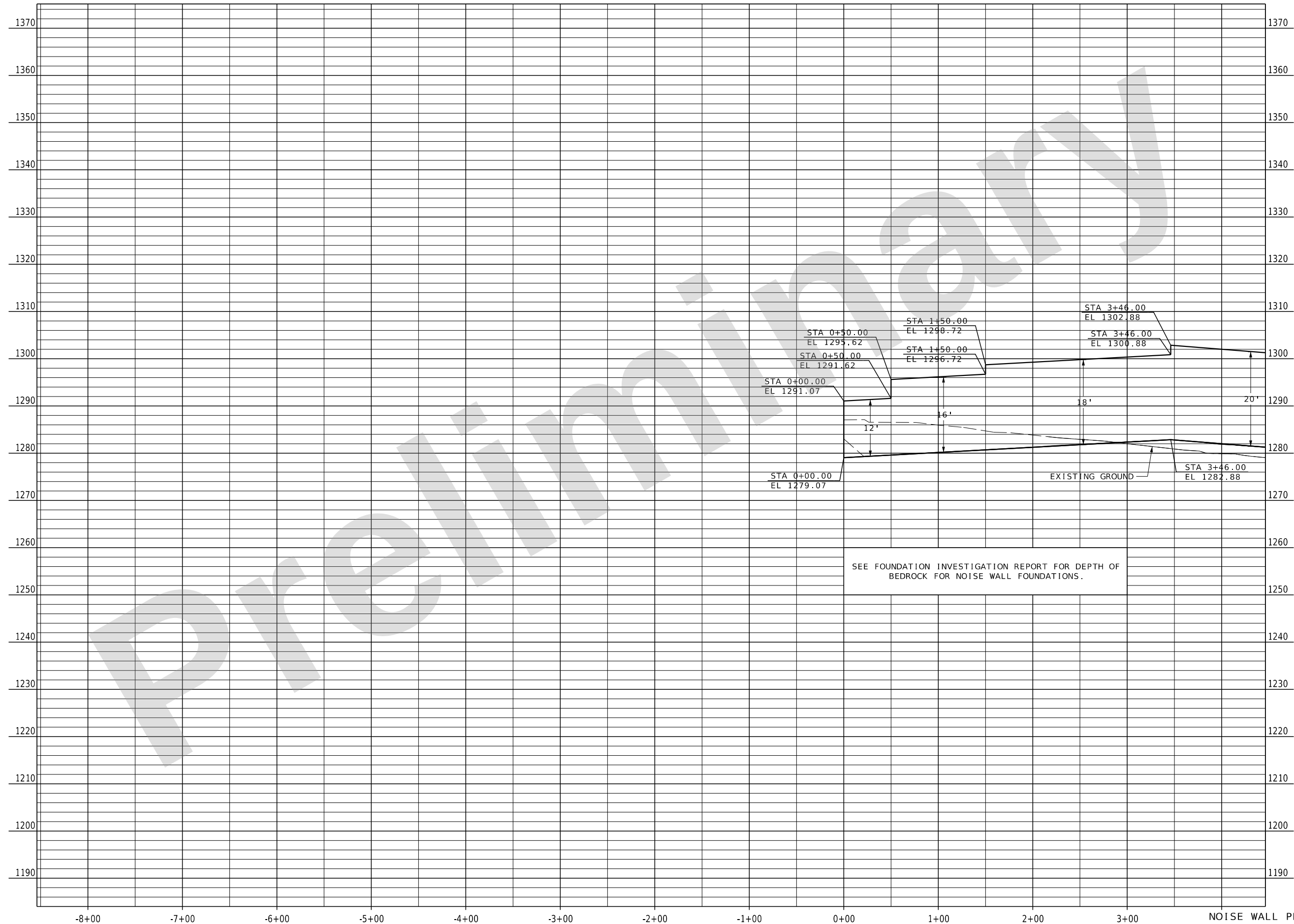
ALL BEARINGS BASED ON STATE PLANE BEARINGS CENTRAL ZONE.



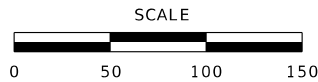
BEGIN PROJECT
BEGIN NOISE WALL
@ NOISE WALL STA. 0+00.00 =
@ I-44 STA. 1152+53.81, 115.00' RT

NOISE WALL
PLAN
SHEET 1 OF 3

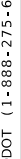
DATE PREPARED 8/6/2024	
ROUTE 44	STATE MO
DISTRICT SW	SHEET NO. 4
COUNTY GREENE	
JOB NO. JSU0114	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
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DATE PREPARED 8/6/2024	
ROUTE 44	STATE MO
DISTRICT SW	SHEET NO. 5
COUNTY GREENE	
JOB NO. JSU0114	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
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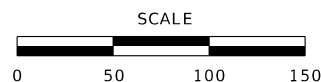
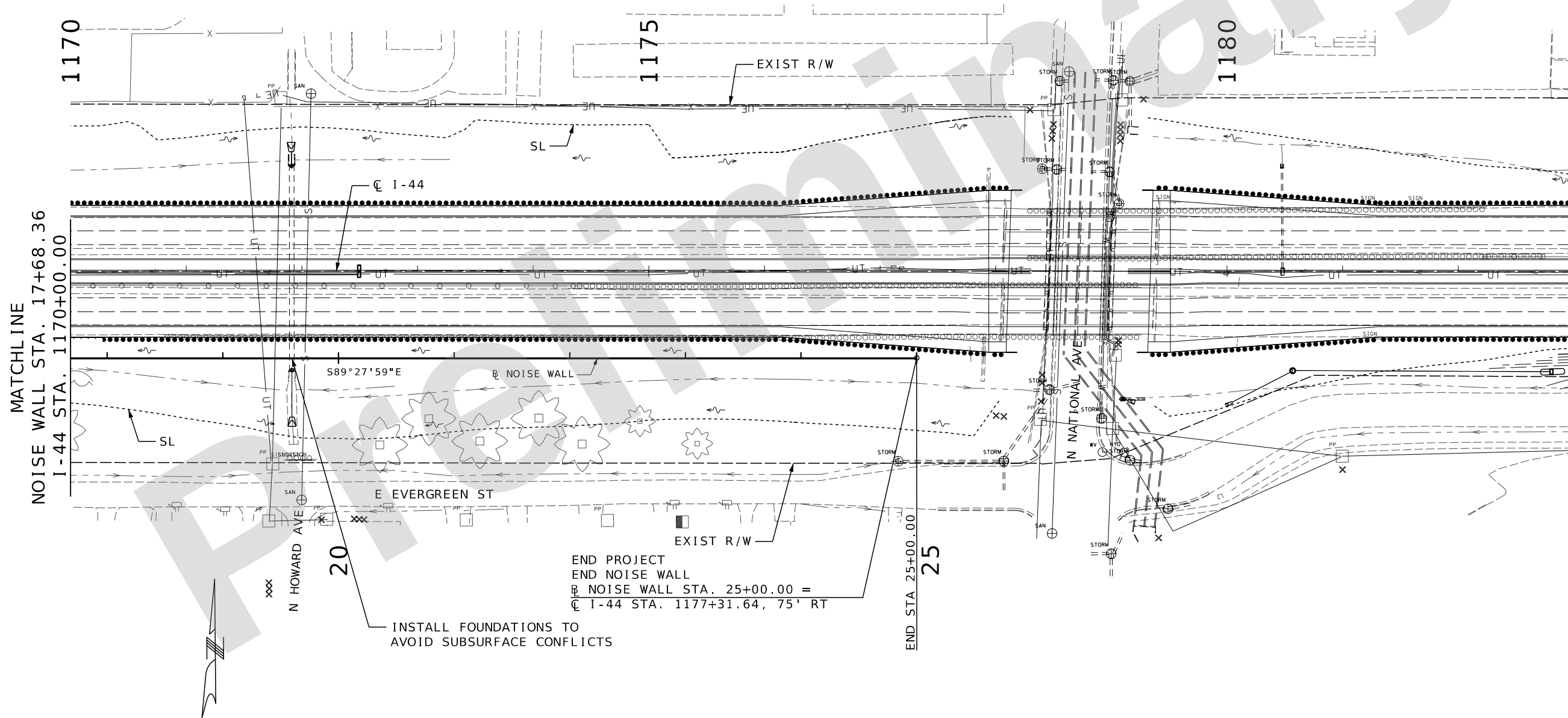


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DATE PREPARED	
8/6/2024	
ROUTE	STATE
44	MO
DISTRICT	SHEET NO.
SW	6
COUNTY	
GREENE	
JOB NO.	
JSU0114	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]



NOISE WALL
PLAN
SHEET 3 OF 3

DATE PREPARED 8/6/2024	
ROUTE 44	STATE MO
DISTRICT SW	SHEET NO. 8
COUNTY GREENE	
JOB NO. JSU0114	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
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A circular diagram with a central point. Three lines radiate from the center to the circumference, defining three sectors. The distances from the center to the circumference along these lines are labeled as follows:

- Top: EOP EB I-44, 41.40'
- Top-right: CONC BEAM WALL S OF EB I-44, 50.95'
- Top-left: POST OF GAS/ LODGING EXIT 80, 39.11'

Diagram illustrating a circular curve with a center point and three radii to specific points on the curve:

- Radius to END GUARDRAIL: 116.30'
- Radius to EOP WB I-44: 58.87'
- Radius to NAIL IN S FACE 15" PINE TREE: 57.72'

DATE PREPARED	
8/6/2024	
ROUTE	STATE
44	MO
DISTRICT	SHEET NO.
SW	10
COUNTY	
GREENE	
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CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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PE-2017015108

REFERENCE POINTS
SHEET 1 OF 1

PROJECT COORDINATE INFORMATION		
COORDINATE SYSTEM	MISSOURI STATE PLANE	
HORIZONTAL DATUM	NAD83	
VERTICAL DATUM	NAVD88: U.S. FEET	
GEOID MODEL	GEOID 12B	
ELEVATIONS DETERMINED BY	OPUS FOR PRIMARY CONTROL	
PROJECT PROJECTION FACTOR	1.0000702	
REFERENCE CONTROL INFORMATION		
COORDINATE SYSTEM	MISSOURI STATE PLANE	
CONTROL STATION	MODOT GNSS	
DESIGNATION		
CORS_ID		
PID		
LATITUDE		
LONGITUDE		
NORTHING (M)		
EASTING (M)		
ZONE	CENTRAL	
PROJECT AVERAGE GRID FACTOR	0.9999298073	
EXAMPLE OF PROJECT COORDINATE TO S.P.C.		
PROJECT NORTHING X AVERAGE GRID FACTOR		
= STATE PLANE NORTHING		
PROJECT EASTING X AVERAGE GRID FACTOR		
= STATE PLANE EASTING		
EXAMPLE: CONTROL POINT #520		
N 516717.69 X 0.9999298073 = N 516681.42		
E 1412985.72 X 0.9999298073 = E 1412886.54		
LINEAR UNIT CONVERSION		
1 METER = 3.280833333 US SURVEY FEET (USFT)		

[illegible]

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PROFESSIONAL
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DATE PREPARED	
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ROUTE	STATE
44	MO
DISTRICT	SHEET NO.
SW	11
COUNTY	
GREENE	
JOB NO.	
JSU0114	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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