



P-1: WEST APPROACH LOOKING EAST



P-2: LOOKING WEST FROM THE MEETINGHOUSE ROAD INTERSECTION



P-4: NORTH APPROACH LOOKING SOUTH AT THE INTERSECTION



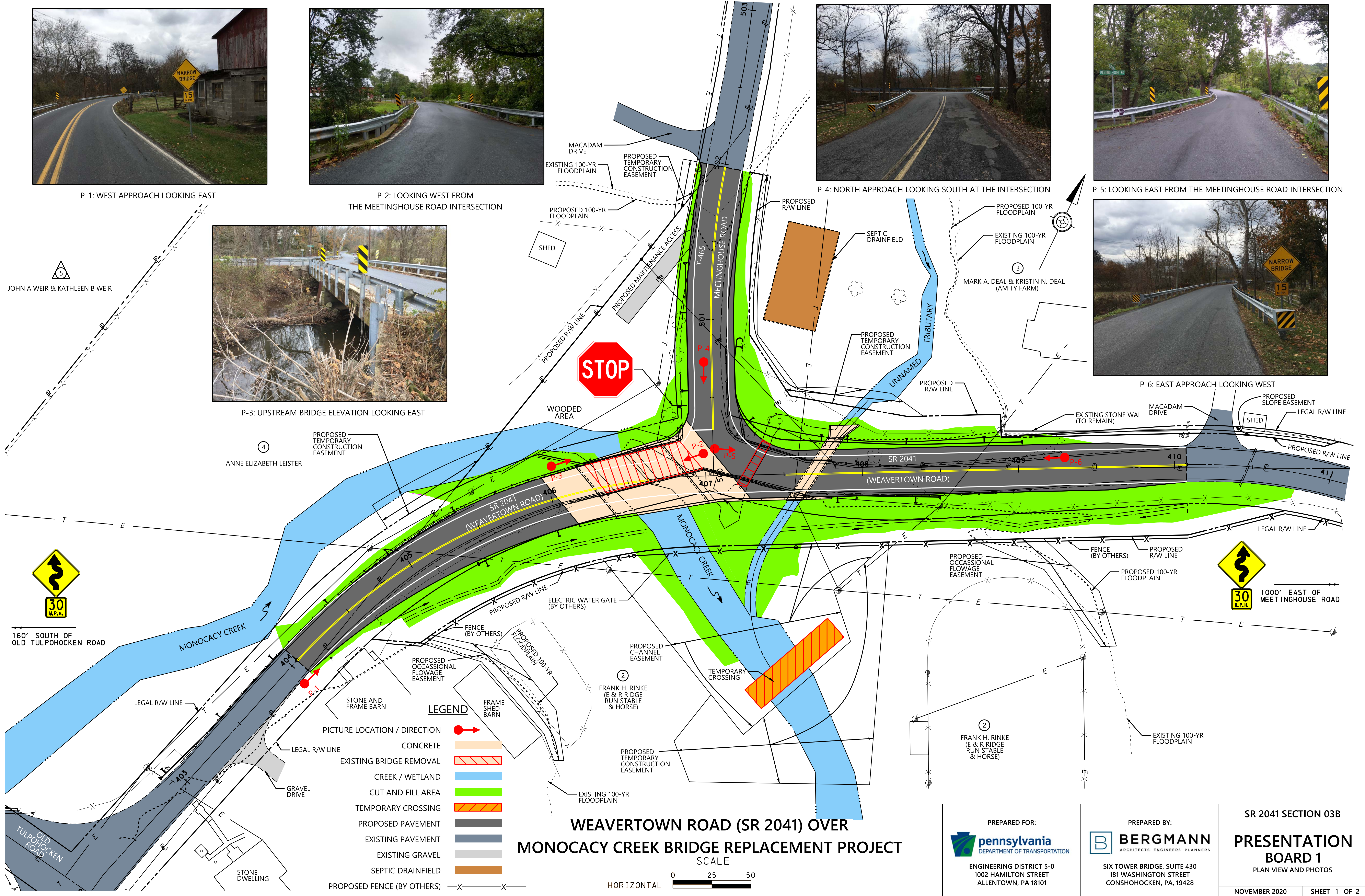
P-5: LOOKING EAST FROM THE MEETINGHOUSE ROAD INTERSECTION



P-3: UPSTREAM BRIDGE ELEVATION LOOKING EAST



P-6: EAST APPROACH LOOKING WEST



JOHN A WEIR & KATHLEEN B WEIR

160' SOUTH OF OLD TULPOHOCKEN ROAD

1000' EAST OF MEETINGHOUSE ROAD

LEGEND

PICTURE LOCATION / DIRECTION	RED ARROW
CONCRETE	SOLID ORANGE
EXISTING BRIDGE REMOVAL	DIAGONAL HATCH
CREEK / WETLAND	SOLID BLUE
CUT AND FILL AREA	SOLID GREEN
TEMPORARY CROSSING	DIAGONAL HATCH (ORANGE/BLACK)
PROPOSED PAVEMENT	SOLID GRAY
EXISTING PAVEMENT	SOLID DARK GRAY
EXISTING GRAVEL	SOLID LIGHT GRAY
SEPTIC DRAINFIELD	SOLID BROWN
PROPOSED FENCE (BY OTHERS)	DASHED LINE

WEAVERTOWN ROAD (SR 2041) OVER MONOCACY CREEK BRIDGE REPLACEMENT PROJECT

SCALE
HORIZONTAL 0 25 50

<p>PREPARED FOR:</p> <p>ENGINEERING DISTRICT 5-0 1002 HAMILTON STREET ALLENTOWN, PA 18101</p>	<p>PREPARED BY:</p> <p>SIX TOWER BRIDGE, SUITE 430 181 WASHINGTON STREET CONSHOHOCKEN, PA, 19428</p>	<p>SR 2041 SECTION 03B</p> <p>PRESENTATION BOARD 1</p> <p>PLAN VIEW AND PHOTOS</p> <p>NOVEMBER 2020 SHEET 1 OF 2</p>
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PROJECT DESCRIPTION:

THIS PROJECT INVOLVES REPLACING TWO STRUCTURES SUPPORTING WEAVERTOWN ROAD (SR 2041) OVER MONOCACY CREEK WEST OF THE MEETINGHOUSE ROAD (T-465) INTERSECTION AND OVER AN UNNAMED TRIBUTARY EAST OF THE INTERSECTION. THE EXISTING STRUCTURE OVER MONOCACY CREEK IS A 66' LONG TWO-SPAN CONCRETE ENCASED ROLLED STEEL I-BEAM BRIDGE AND THE EXISTING STRUCTURE OVER THE UNNAMED TRIBUTARY IS A 6' SPAN BY 6' HIGH BOX CULVERT. TWO SEPARATE STRUCTURES ARE PROPOSED TO SPAN THE TWO WATERWAYS. THE PROPOSED STRUCTURE OVER MONOCACY CREEK WILL BE A 60' LONG SINGLE SPAN PRESTRESSED CONCRETE SPREAD BOX BEAM BRIDGE. THE PROPOSED STRUCTURE OVER THE UNNAMED TRIBUTARY WILL BE A 7' X 7' PRECAST CONCRETE BOX CULVERT. A THIRD STRUCTURE (RETAINING WALL) IS PROPOSED BETWEEN THE BRIDGE AND THE CULVERT ON THE SOUTH SIDE.

THIS AREA OF BERKS COUNTY IS RURAL WITH ROLLING TERRAIN SURROUNDING MONOCACY CREEK. THE PROJECT IS LOCATED WITHIN THE NATIONAL REGISTER ELIGIBLE LIMEKILN VALLEY HISTORIC DISTRICT AND TWO PROPERTIES ARE CONSIDERED CONTRIBUTING ELEMENTS TO THE DISTRICT (E&R RIDGE RUN STABLE & HORSE AND AMITY FARM PROPERTIES). SR 2041 CONSISTS OF TWO 9-11' LANES AND MINIMAL SHOULDERS. THE SPEED LIMIT IS 40 MPH AND THE AVERAGE DAILY TRAFFIC IS 1,526 VEHICLES PER DAY. SR 2041'S TRADITIONAL CLASSIFICATION IS MINOR COLLECTOR AND ROADWAY TYPOLOGY IS COMMUNITY COLLECTOR, RURAL PLACES. THE EXISTING ROADWAY HAS SUBSTANDARD GEOMETRY, WHICH IS APPARENT FROM THE APPROACH SIGNAGE SHOWN ON BOARD 1.

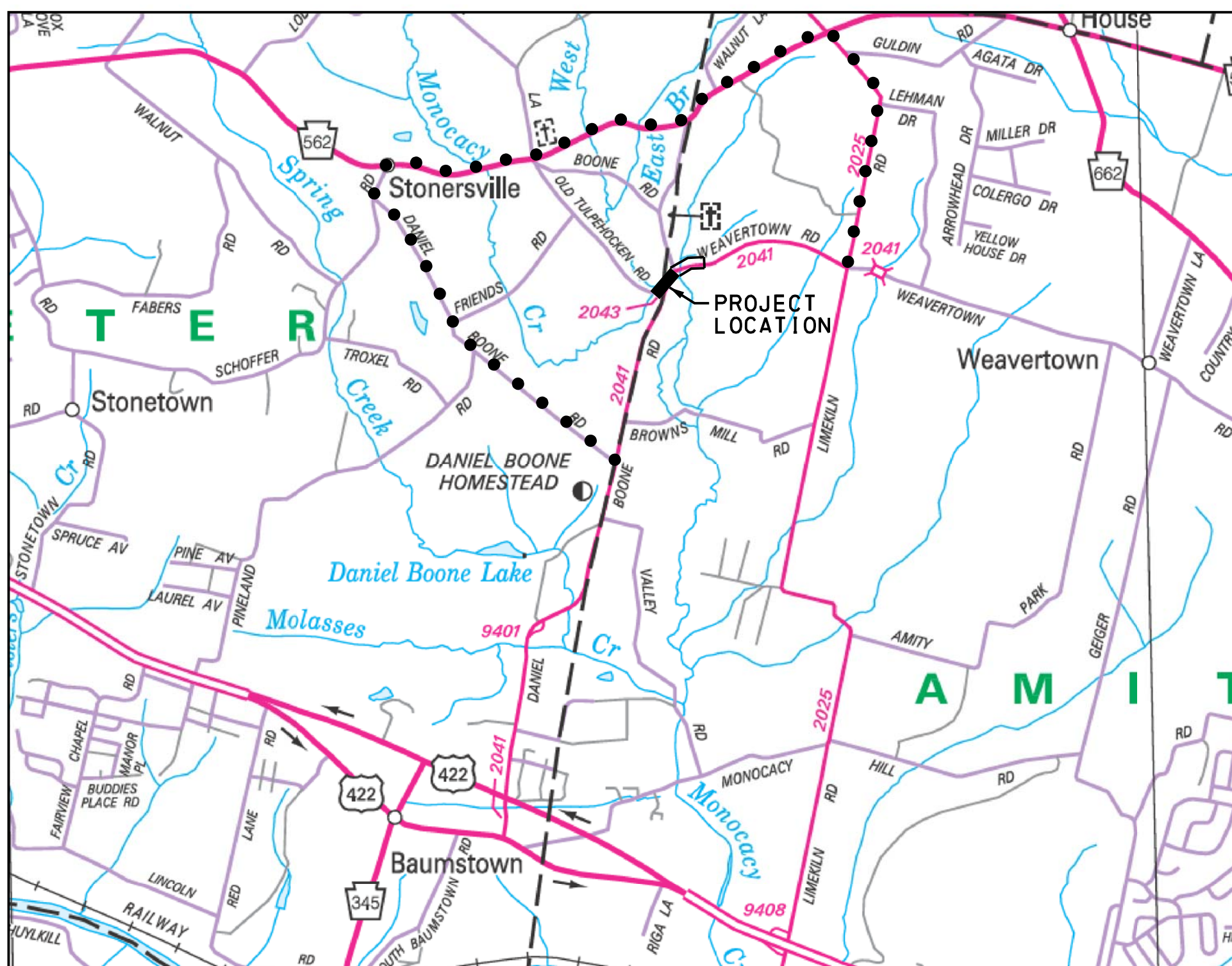
THE PROPOSED HORIZONTAL ALIGNMENT IS IMPROVED TO PROVIDE A 35 MPH DESIGN SPEED WHILE AVOIDING SITE CONSTRAINTS SUCH AS THE MONOCACY CREEK, THE BARN ON THE E&R RIDGE RUN & STABLE PROPERTY AND THE OLD STONE WALL ON THE AMITY FARM'S PROPERTY. THE MEETINGHOUSE ROAD ALIGNMENT REMAINS CLOSE TO EXISTING TO AVOID IMPACTS TO THE SEPTIC LEACH FIELD ON THE AMITY FARM PROPERTY. THE PROPOSED TYPICAL SECTION CONSISTS OF TWO 11' LANES AND 4' SHOULDERS. THE INTERSECTION GEOMETRY IS IMPROVED TO PROVIDE BETTER SIGHT DISTANCE AND MORE SPACE FOR TRUCKS TO TURN. AS A RESULT, THE BRIDGE IS WIDER ON THE EAST END OF THE BRIDGE THAN ON THE WEST END OF THE BRIDGE. MEETINGHOUSE ROAD WILL CONTINUE TO BE CONTROLLED BY A STOP SIGN WHILE WEAVERTOWN ROAD WILL NOT BE STOP CONTROLLED.

THE BRIDGE WILL BE DETOURED DURING CONSTRUCTION. CONSTRUCTION IS ANTICIPATED TO BE COMPLETED IN THE FALL OF 2023. ACCESS TO PROPERTIES WILL BE MAINTAINED DURING CONSTRUCTION.

PROJECT PURPOSE AND NEED:

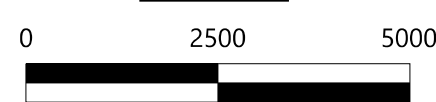
PURPOSE: THE PURPOSE OF THIS PROJECT IS TO PROVIDE A RELIABLE CROSSING AND IMPROVE THE INTERSECTION/APPROACH GEOMETRY THAT WILL MAINTAIN COMMUNITY AND REGIONAL CONNECTIVITY.

NEED: THE STRUCTURE IS IN POOR CONDITION AND FUNCTIONALLY OBSOLETE. THE SUPERSTRUCTURE EXHIBITS CRACKING AND HEAVY SPALLING AND THE SUBSTRUCTURE EXHIBITS FULL HEIGHT FRACTURES, SHIFTING WING WALLS, FOOTING EXPOSURE/UNDERMINING AND SEVERE SCALING. THERE IS POOR INTERSECTION AND STOPPING SIGHT DISTANCE AS WELL AS SUBSTANDARD APPROACH GEOMETRY.



LOCATION MAP

SCALE

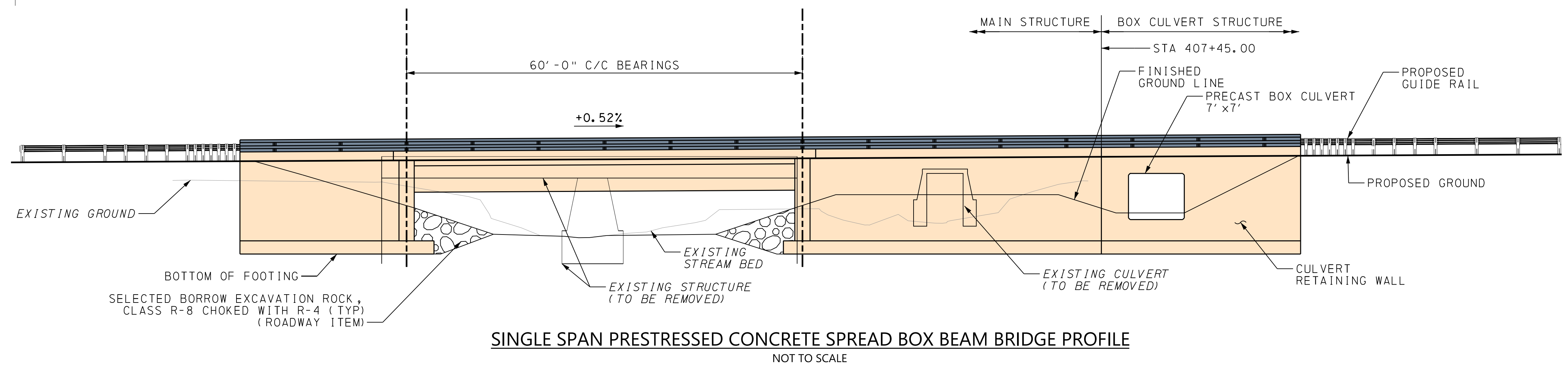
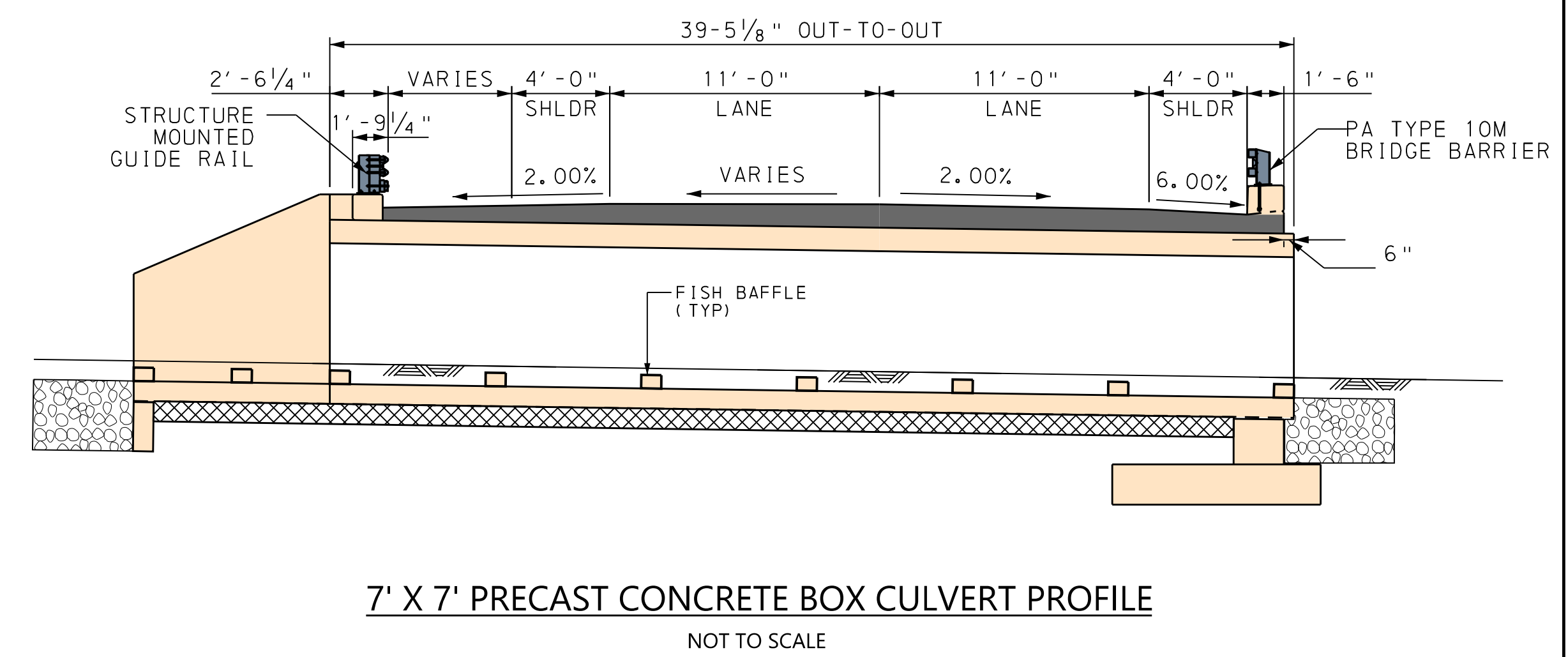
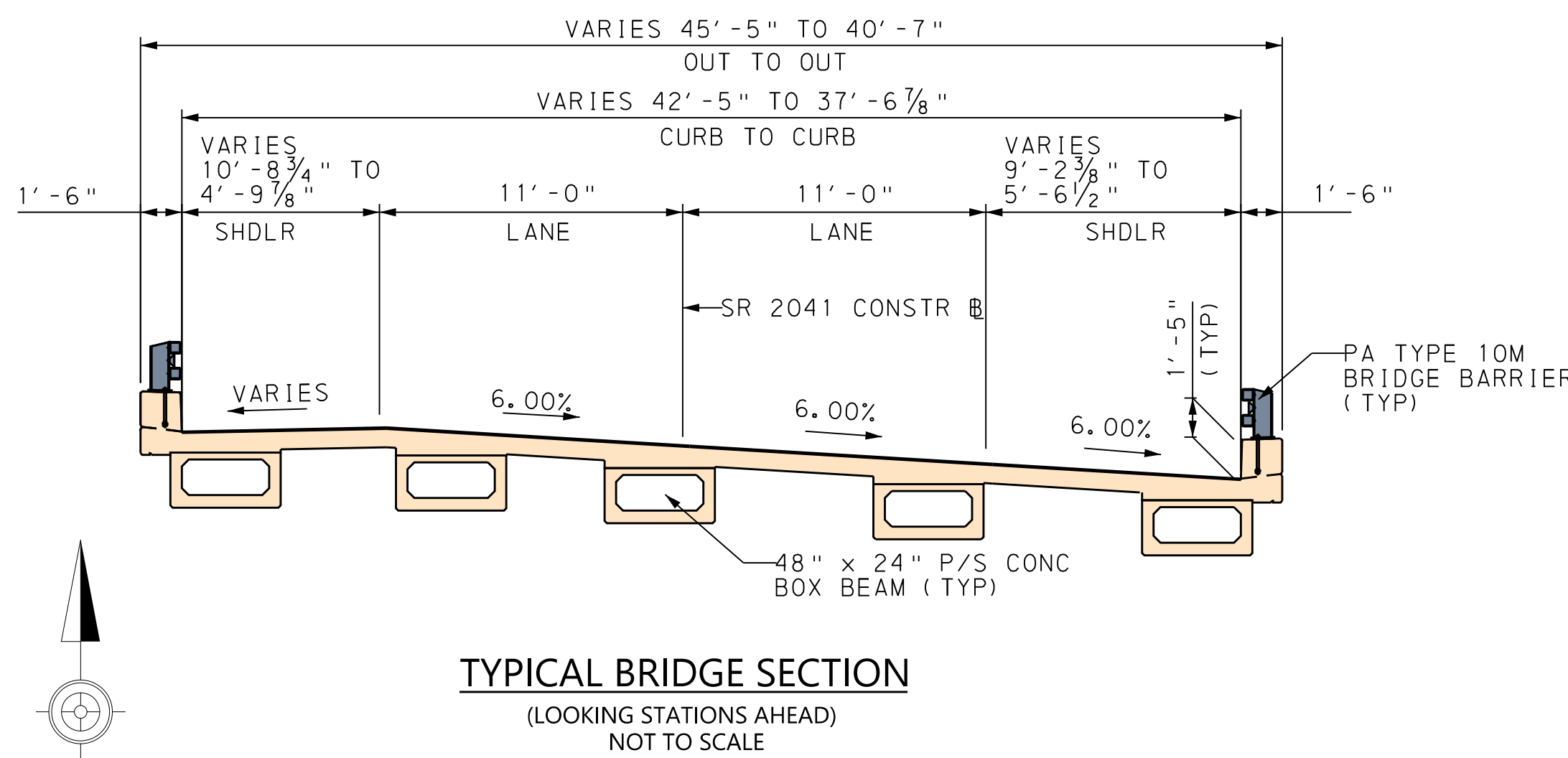
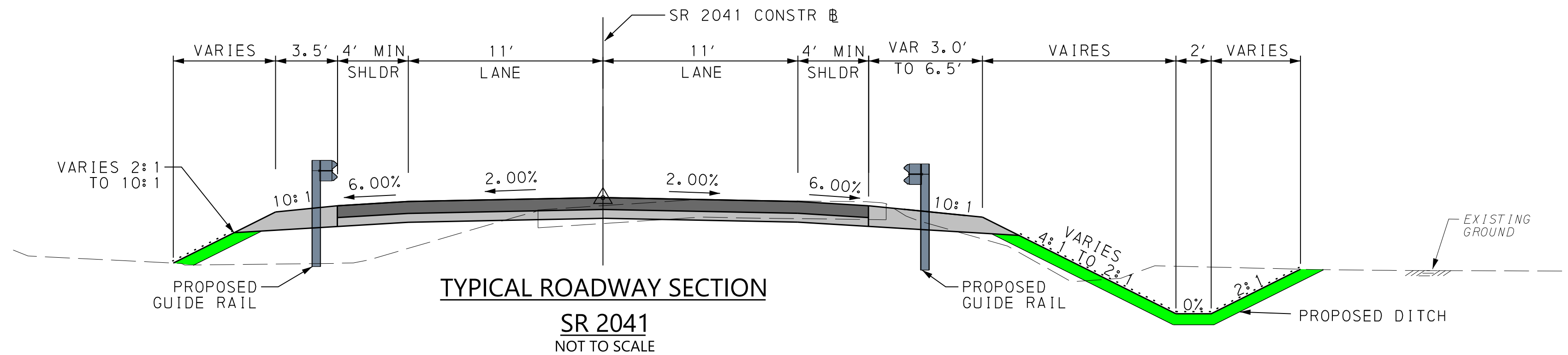
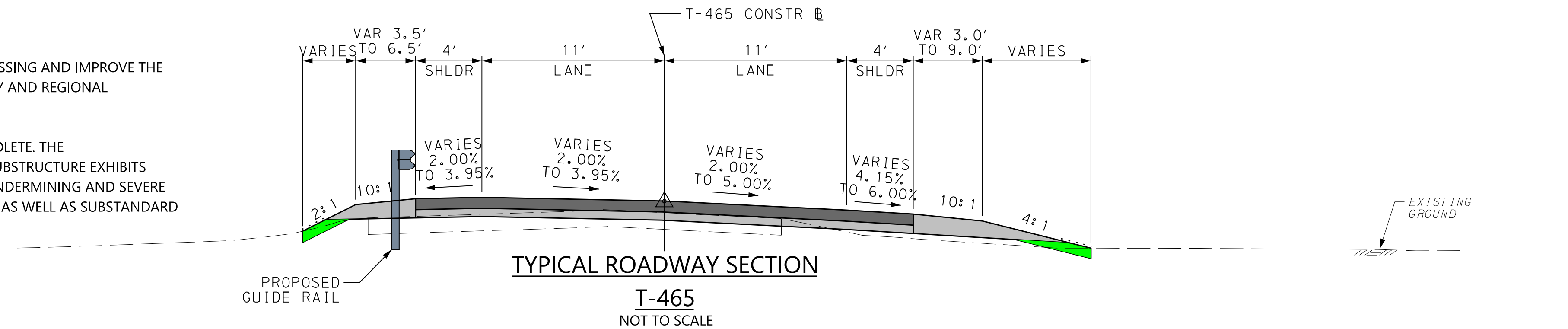


LEGEND

FULLY CONTROLLED ACCESS HIGHWAY	INTERSTATE INTERCHANGE NUMBER
MULTI-LANE HIGHWAY	INTERSTATE TRAFFIC ROUTE
TRAFFIC ROUTE	UNITED STATES TRAFFIC ROUTE
REMAINING STATE ROAD AND IDENTIFIER	PENNSYLVANIA TRAFFIC ROUTE
STATE MAINTAINED BRIDGE	RAILROAD (IN SERVICE)
TOWNSHIP ROAD	RAILROAD ABANDONED (TRACK RETAINED)
TOWNSHIP ROAD (PRIMITIVE / UNIMPROVED)	STATE LINE
OTHER ROAD	COUNTY LINE
DETOUR ROUTE (4.4 MILES)	TOWNSHIP LINE

LEGEND

TOPSOIL AND SEEDING



WEAVERTOWN ROAD (SR 2041) OVER MONOCACY CREEK BRIDGE REPLACEMENT PROJECT

<p>PREPARED FOR:</p> <p>ENGINEERING DISTRICT 5-0 1002 HAMILTON STREET ALLENTOWN, PA 18101</p>	<p>PREPARED BY:</p> <p>SIX TOWER BRIDGE, SUITE 430 181 WASHINGTON STREET CONSHOHOCKEN, PA, 19428</p>	<p>SR 2041 SECTION 03B</p> <p>PRESENTATION BOARD 2</p> <p>TYPICAL SECTIONS, PROJECT DESCRIPTION, LOCATION MAP, AND SCHEDULE</p> <p>NOVEMBER 2020 SHEET 2 OF 2</p>
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