

HARGUS CREEK ROAD

Bridge Replacement
SR 3011 , Section G10

Center Township
Greene County



SEPTEMBER 4, 2025



PROJECT TEAM

- PennDOT Engineering District 12-0
 - Brian Svesnik – Project Manager
724-415-2400 bsvesnik@pa.gov
- SAI Consulting Engineers, Inc.
 - Brian Long, P.E. – SAI Project Manager
412-392-8731 blong@saiengr.com

PROJECT SUMMARY

- Project Description:

- SR 3011 (Hargus Creek Road) Bridge over Hargus Creek is located in Center Township, Fayette County. The project consists of the complete replacement of the existing single span structure with a single span steel welded plate girder structure. Approach roadway work will consist of approximately 150' of roadway reconstruction to the south and approximately 250' of roadway reconstruction to the north. The roadway will be reconstructed on the existing horizontal alignment and the roadway profile will be slightly altered to increase the longitudinal slope across the structure. The proposed roadway typical section will consist of 11' lanes and 5' shoulders. Traffic will be maintained via detour. The project will use accelerated bridge construction techniques to complete work during the summer recess of West Greene School District. A temporary parking area and pedestrian bridge will be in place over Hargus Creek to maintain access to the West Greene School District facilities during construction.

- Project Purpose and Need:

- The purpose of this project is to provide a reliable crossing of SR 3011 over Hargus Creek which meets current design criteria and structural capacity needs while maintaining community and regional connectivity. The existing structure was originally built in 1939 and reconstructed in 1949. The structure is in poor condition with concrete cracks and spalling on the wing walls and abutments, exposed rebar on the bridge deck, and pavement cracking at both abutments.

PROJECT PHOTOS

Existing Structure



PROJECT PHOTOS

Existing Roadway



- Existing Lanes = 9'
- Existing Shoulders = 3'
- Existing Total Width of Bridge = 24'-3"

PROJECT PHOTOS

Existing Roadway

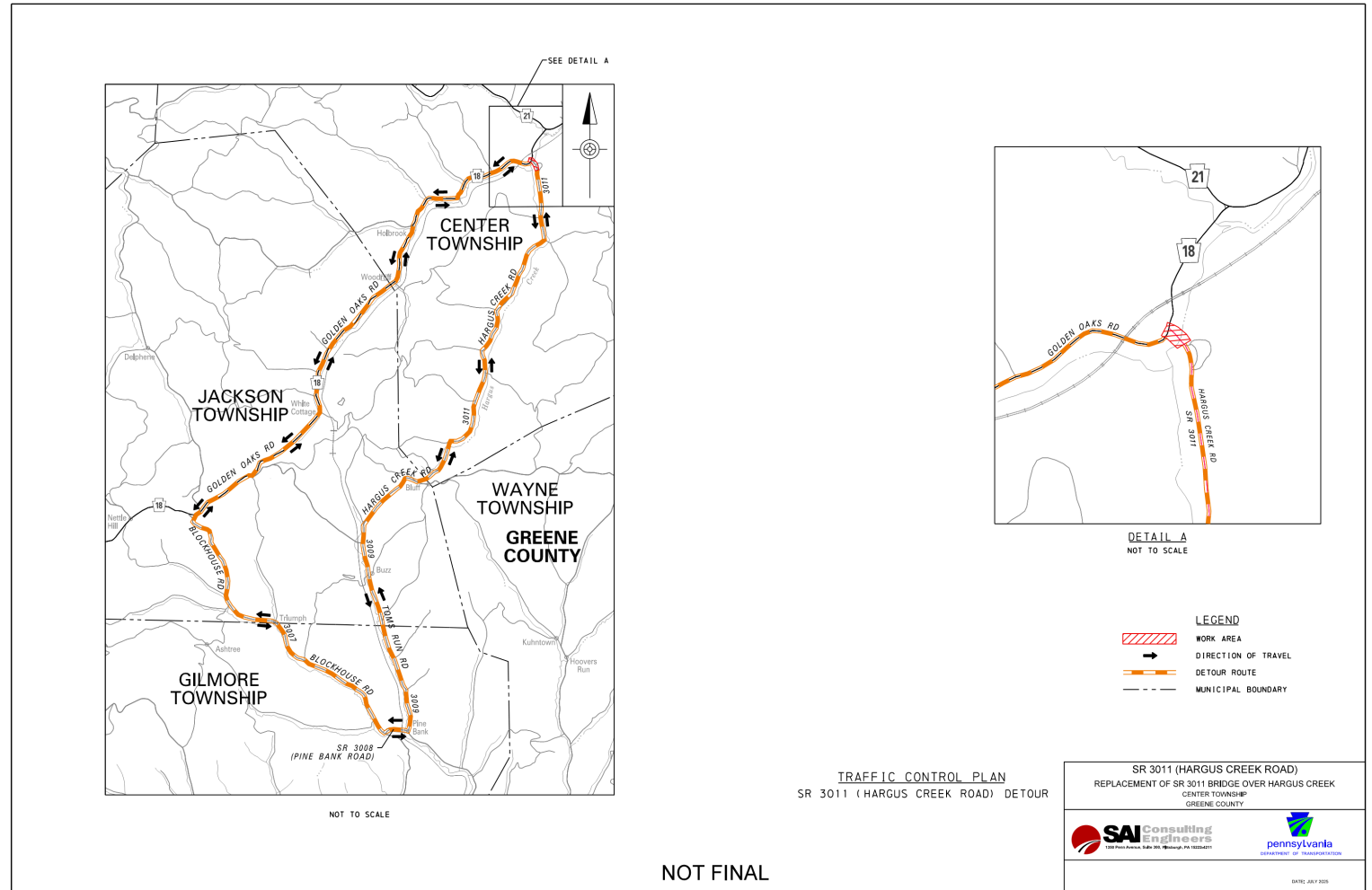


PROJECT IMPROVEMENTS

- Scope of Work Includes:
 - Replace structure with widened opening
 - Reconstruct roadway approaches including wider lanes and shoulders
 - Replace inlets and drainage pipes
 - Replace guide rail
 - Replace signing

PROJECT TRAFFIC CONTROL

- Proposed Detour Route:
 - SR 3011 (Hargus Creek Rd),
 - SR 3009 (Toms Run Rd),
 - SR 3008 (Pine Bank Rd),
 - SR 3007 (Blockhouse Rd),
 - SR 18 (Golden Oaks Rd)
- Length = 20.0 miles
- Pedestrian access will be maintained to West Greene School District via a temporary pedestrian bridge.



LEGEND

- TRAVEL LANE
- SHOULDER
- PROPOSED STRUCTURE
- TEMPORARY PEDESTRIAN BRIDGE
- EXISTING STREAM
- DRIVEWAY ADJUSTMENT
- WETLANDS
- POTENTIAL TEMPORARY PARKING AREA

START WORK
STA 267+50.00
SEC 0120 OFFSET 1694
SR 3011 SEC G10

LIMIT OF WORK
STA 266+50.00
SEC 0120 OFFSET 1594
SR 3011 SEC G10
CENTER TOWNSHIP
GREENE COUNTY

STOP WORK
STA 272+26.26
SEC 0120 OFFSET 2170
SR 3011 SEC G10

LIMIT OF WORK
STA 272+37.91
SEC 0120 OFFSET 2182
SR 3011 SEC G10
CENTER TOWNSHIP
GREENE COUNTY

SR 3011 (HARGUS CREEK ROAD)
REPLACEMENT OF SR 3011 BRIDGE OVER HARGUS CREEK
CENTER TOWNSHIP
GREENE COUNTY

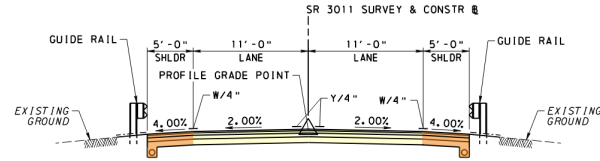
SAI Consulting Engineers
1300 Penn Avenue, Suite 200, Pittsburgh, PA 15222-4211

pennsylvania
DEPARTMENT OF TRANSPORTATION

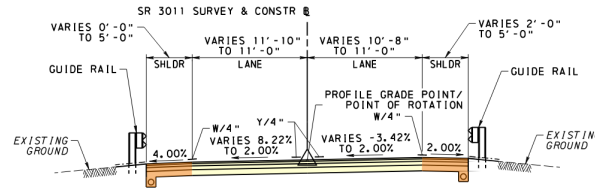
SCALE
0 25 50 FEET

DATE: AUGUST 2020

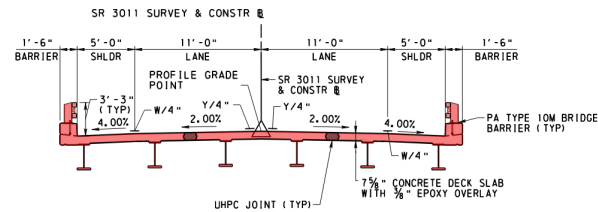
PROJECT ROADWAY TYPICAL SECTION



TYPICAL TANGENT SECTION - SR 3011





TYPICAL SUPERELEVATED SECTION - SR 3011

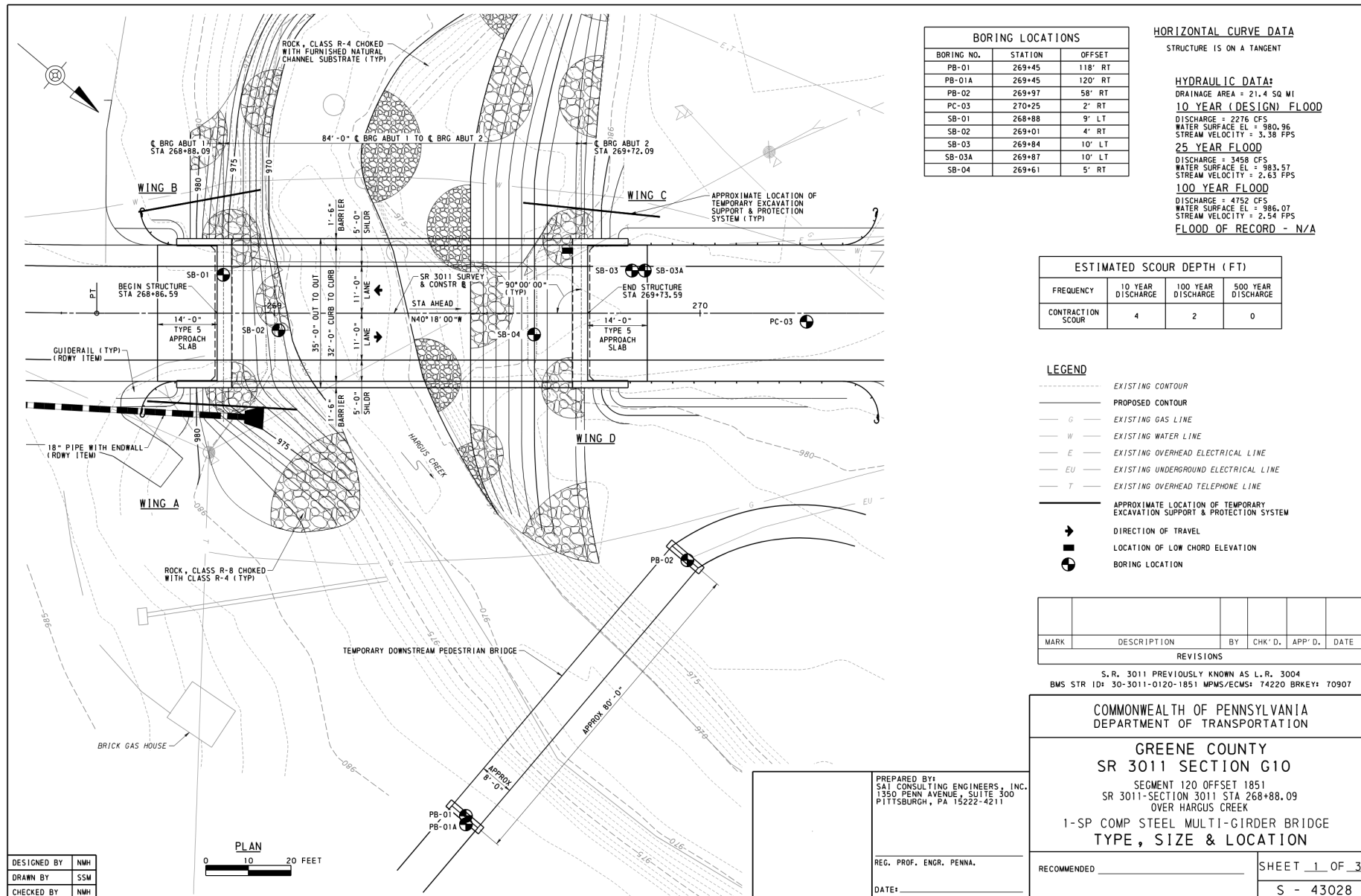


TYPICAL BRIDGE SECTION - SR 3011

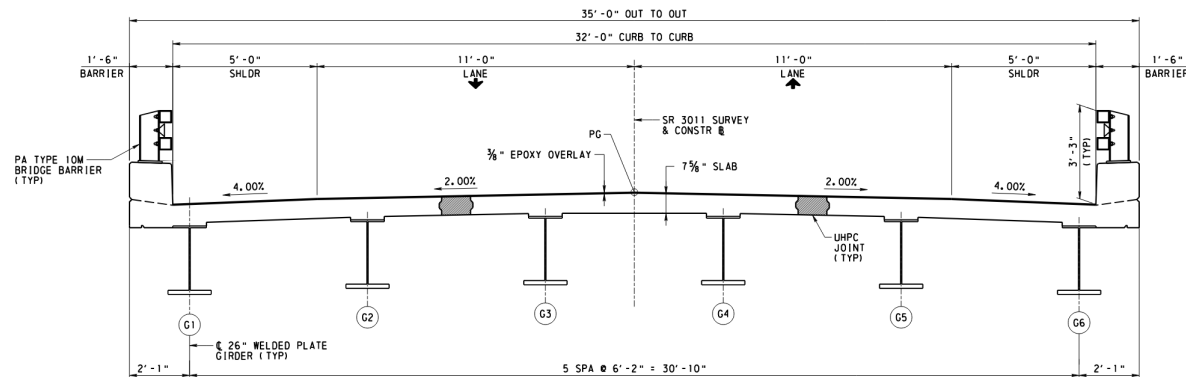
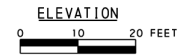
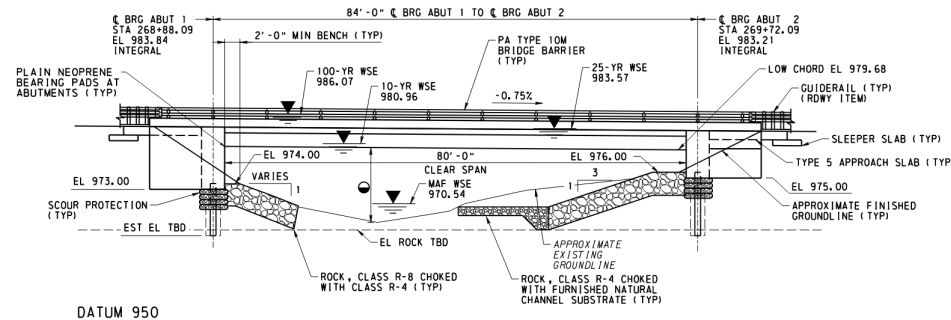
NOT FINAL

SR 3011 (HARGUS CREEK ROAD) REPLACEMENT OF SR 3011 BRIDGE OVER HARGUS CREEK CENTER TOWNSHIP GREENE COUNTY	
 1500 Penn Avenue, Suite 300, Pittsburgh, PA 15222-4211	 DEPARTMENT OF TRANSPORTATION
SCALE 0 5 10 FEET	
DATE: JULY 2025	

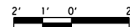
PROJECT STRUCTURE



PROJECT STRUCTURE



TYPICAL SECTION



VERTICAL CURVE DATA

-0.59% \blacktriangle -0.75%

PVI STA 268+40.00
PVI EL = 984.20'
LVC = 80.00'
MO = -0.02'

-0.75% \blacktriangle -2.10%

PVI STA 270+30.00
PVI EL = 982.78'
LVC = 100.00'
MO = -0.17'

LEGEND

- \blacktriangle DIRECTION OF TRAVEL
- (G1) GIRDER NUMBER
- \bullet THALWEG TO LOW CHORD = 11'-4"
- TBD TO BE DETERMINED
- WSE WATER SURFACE ELEVATION
- MAF MEAN ANNUAL FLOW
- UHPG ULTRA HIGH PERFORMANCE CONCRETE

MARK	DESCRIPTION	BY	CHK'D.	APP'D.	DATE
REVISIONS					

S.R. 3011 PREVIOUSLY KNOWN AS L.R. 3004
BMS STR ID# 30-3011-0120-1851 MPMS/ECMS# 74220 BRKEY# 70907

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

GREENE COUNTY
SR 3011 SECTION G10

SEGMENT 120 OFFSET 1851
SR 3011-SECTION 3011 STA 268+88.09
OVER HARGUS CREEK
1-SP COMP STEEL MULTI-GIRDER BRIDGE
TYPE, SIZE AND LOCATION

RECOMMENDED _____

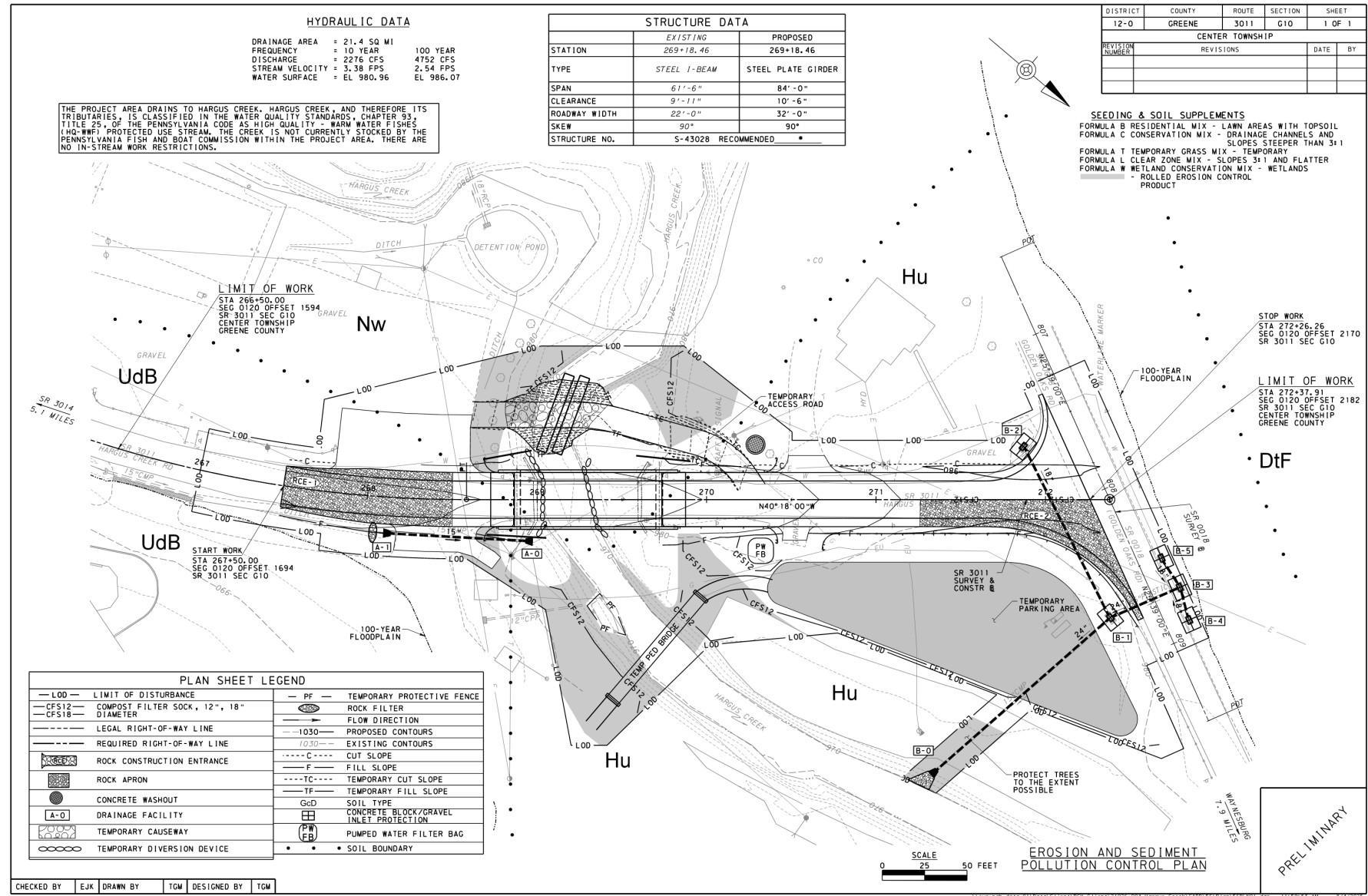
SHEET 2 OF 3

S - 43028

DESIGNED BY	ARF
DRAWN BY	SSM
CHECKED BY	NMH



PROJECT CONSTRUCTION



CHECKED BY EJK DRAWN BY TGM DESIGNED BY TGM

PROPOSED PROJECT SCHEDULE

- Complete Preliminary Engineering: **Fall 2025**
- Begin Final Design: **Winter 2025**
- Begin Right-of-Way Acquisition: **Spring 2026**
- Let Project: **Summer 2027**
- Construction: **Summer 2028**

(Dates are subject to change)



NATIONAL ENVIRONMENTAL POLICY ACT

NEPA REQUIRES

What is NEPA?

The National Environmental Policy Act (NEPA) was signed into law on January 1, 1970. It ensures that agencies **consider the significant environmental consequences** of their proposed actions and **informs the public about decision making** and **involves citizens** in the agencies decision making process.



Decision-makers to be informed of the environmental consequences of their actions

Agencies to determine if their proposed actions will have significant environmental and related social and economic effects



Agencies to look to avoid, minimize, and mitigate those impacts

FOLLOW PENNDOT



www.pa.gov/penndot



www.pa.gov/dmv



PennsylvaniaDepartmentofTransportation



PennDOTNews



PennsylvaniaDOT



PennDOTSec



/company/PennDOT



PennDOTSec



PennsylvaniaDOT



Pennsylvania
Department of Transportation