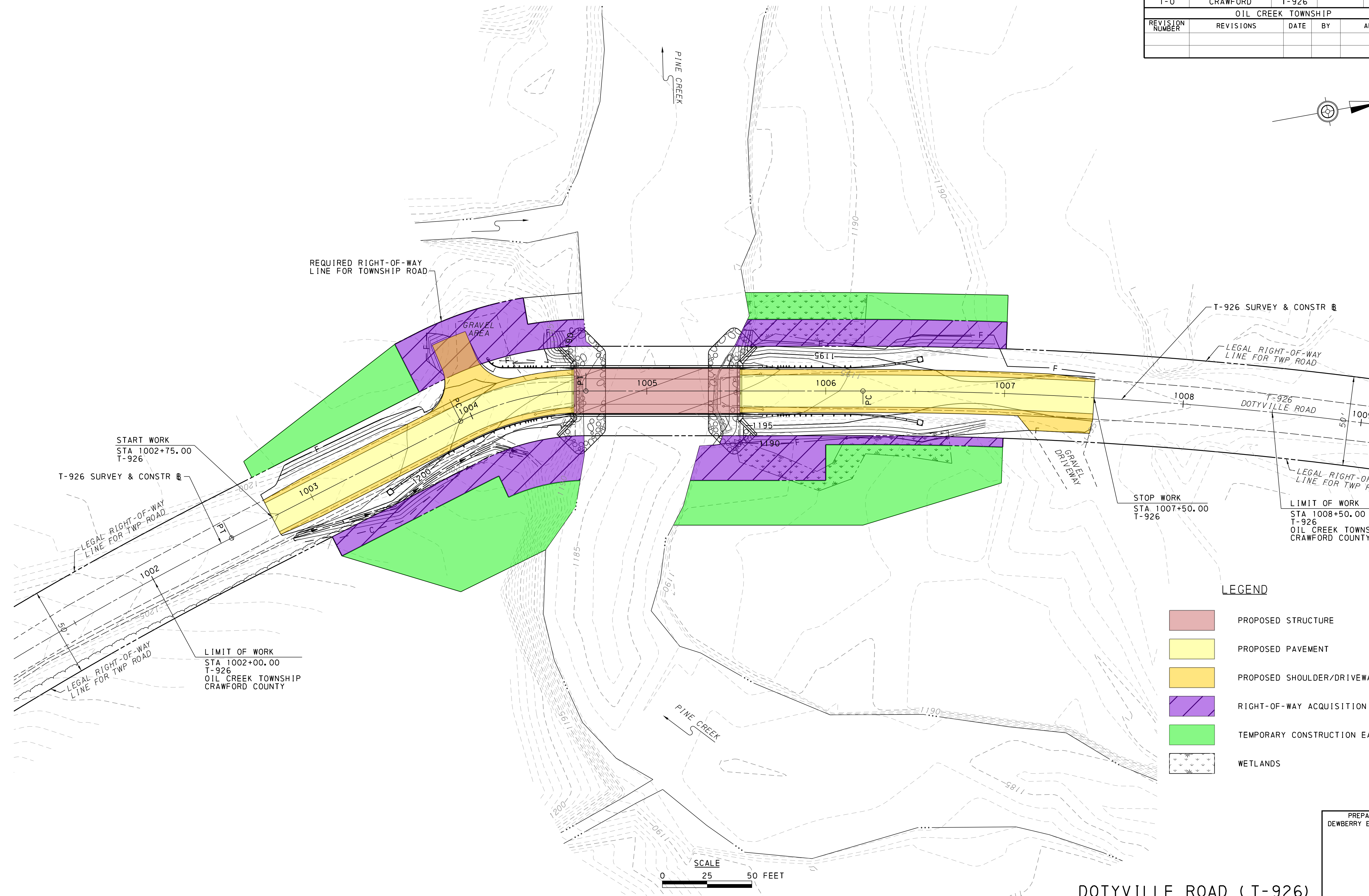
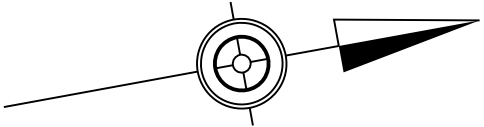
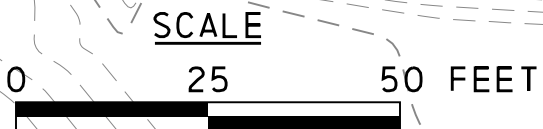


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	CRAWFORD	T-926		OF
OIL CREEK TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	APPROVED



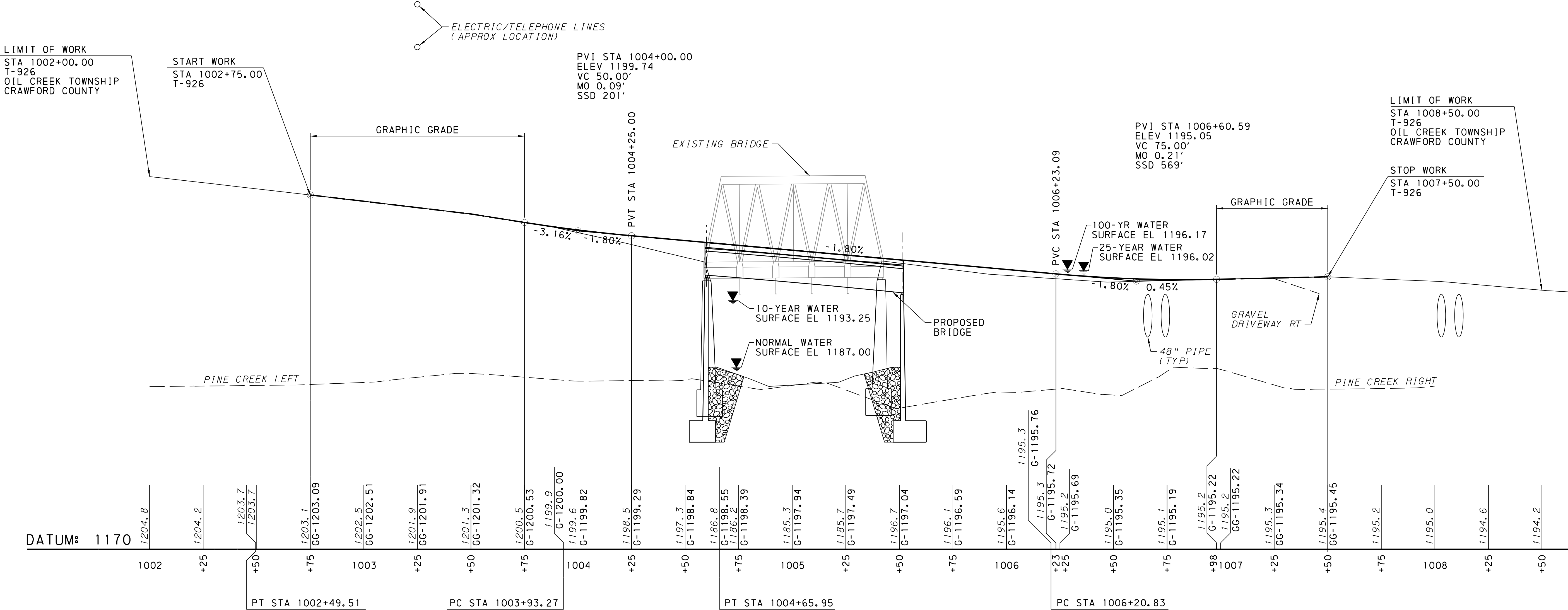
- LEGEND**
- PROPOSED STRUCTURE
 - PROPOSED PAVEMENT
 - PROPOSED SHOULDER/DRIVEWAY
 - RIGHT-OF-WAY ACQUISITION
 - TEMPORARY CONSTRUCTION EASEMENT
 - WETLANDS



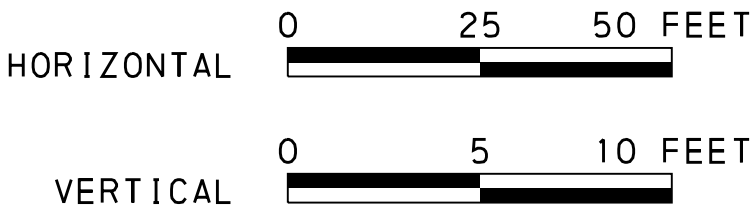
**DOTYVILLE ROAD (T-926)
BRIDGE REPLACEMENT PROJECT**

PREPARED BY:
DEWBERRY ENGINEERS INC.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	CRAWFORD	T-926		OF 5
OIL CREEK TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	APPROVED



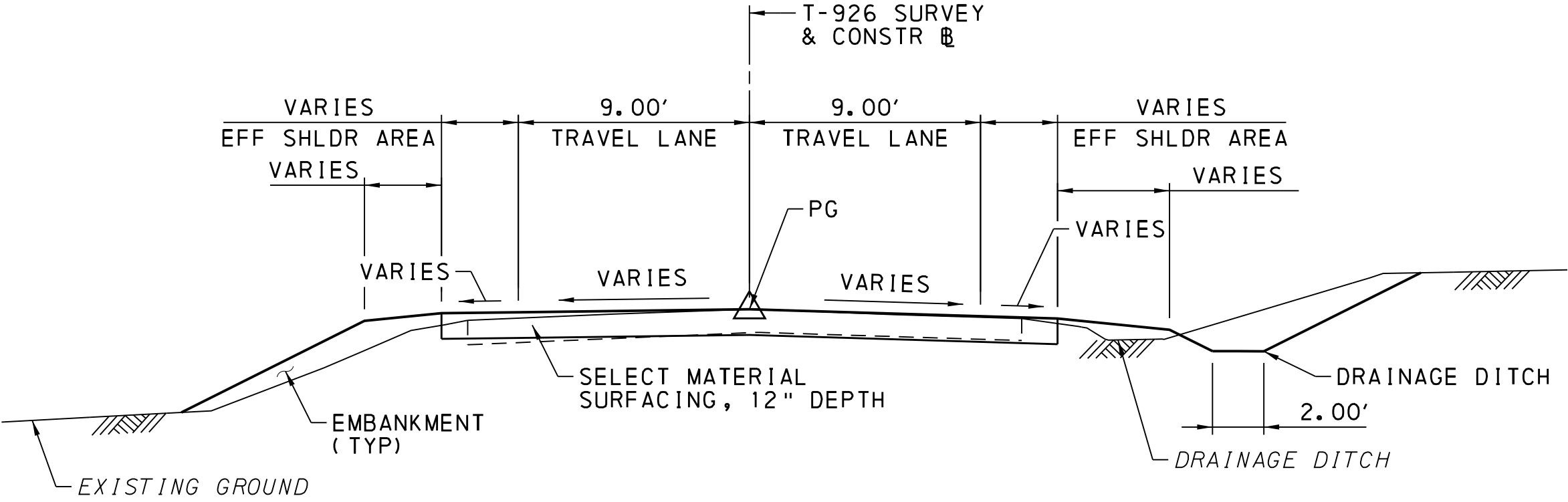
T-926 PROFILE



DOTYVILLE ROAD (T-926)
BRIDGE REPLACEMENT PROJECT

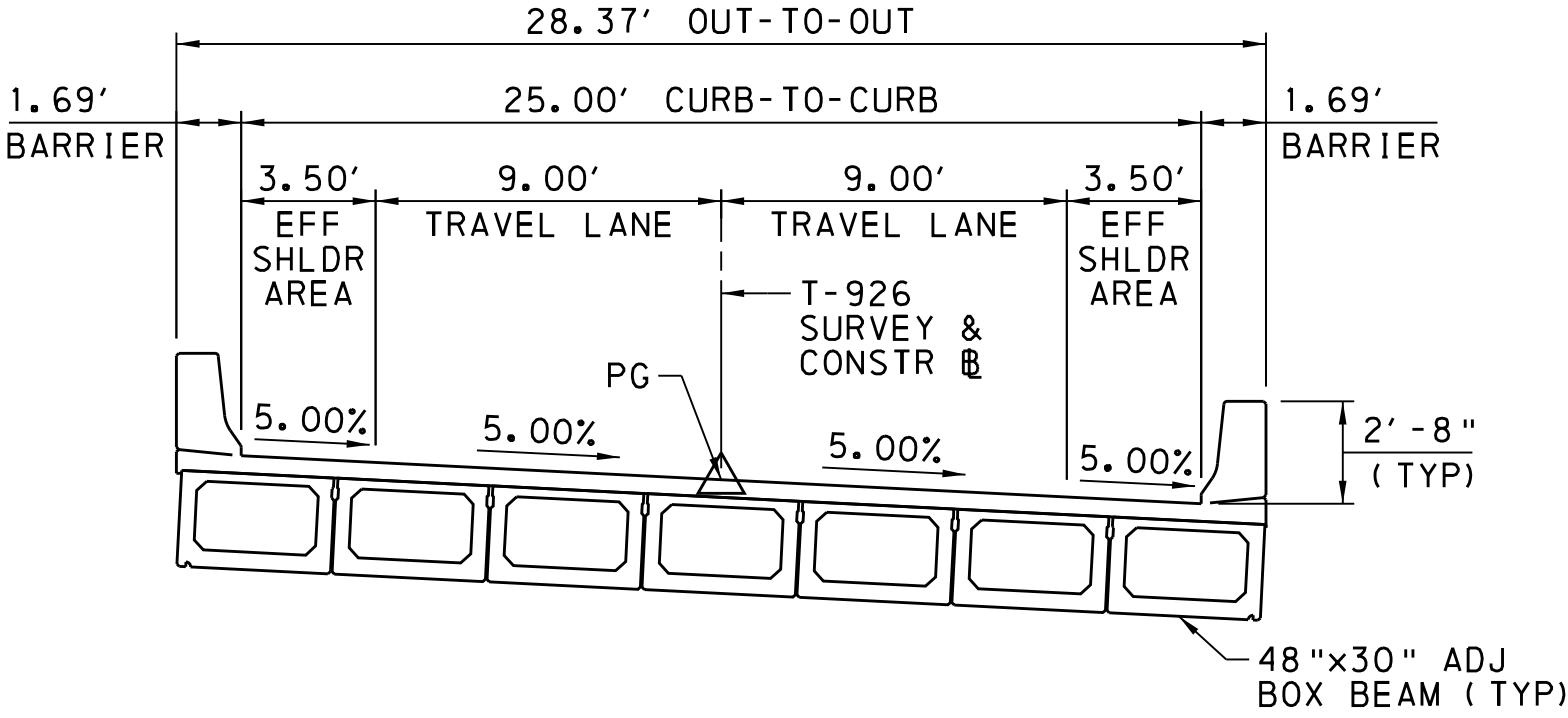
PREPARED BY:
DEWBERRY ENGINEERS INC.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	CRAWFORD	T-926		OF
OIL CREEK TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	APPROVED



T-926
TYPICAL ROADWAY SECTION

NOT TO SCALE



T-926
TYPICAL BRIDGE ROADWAY SECTION

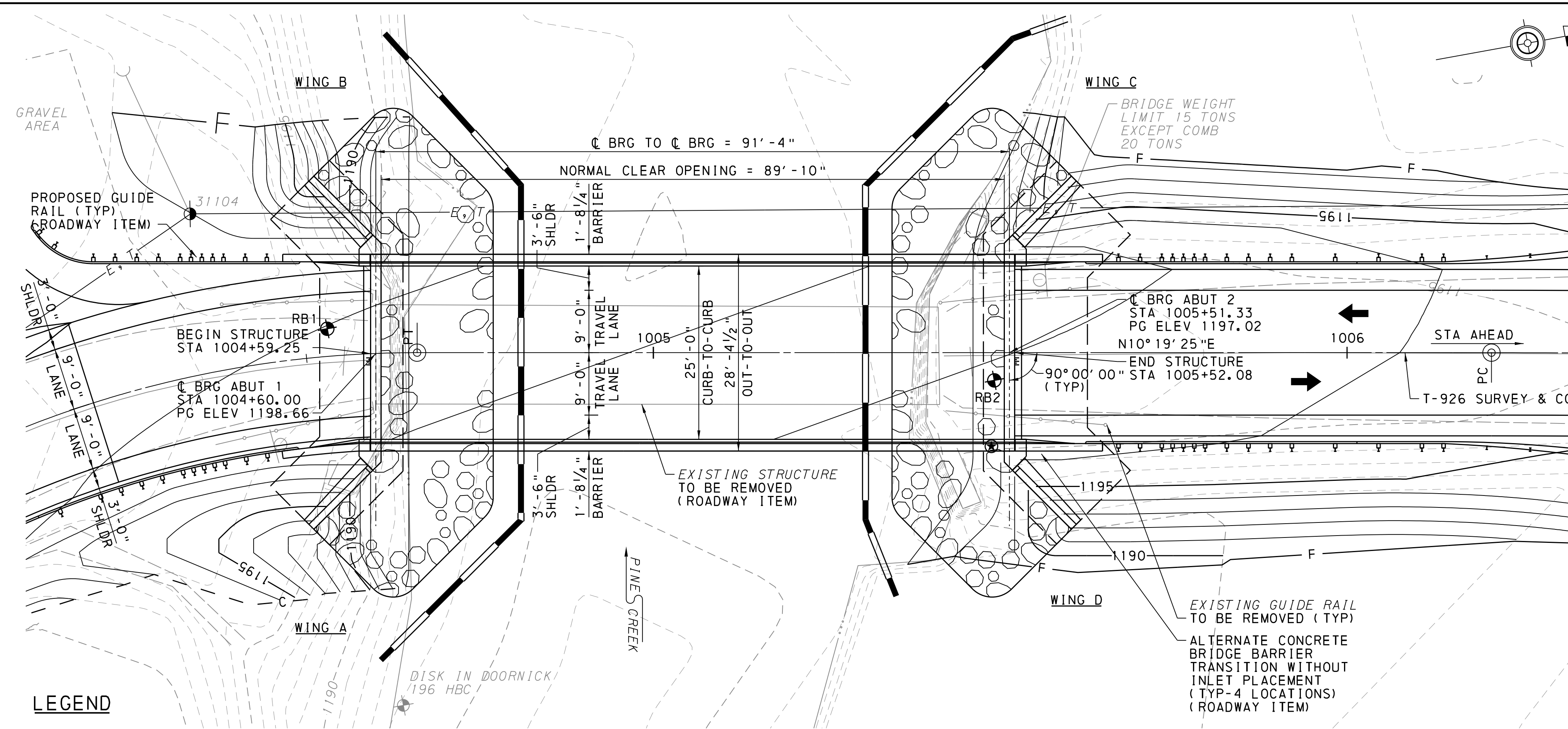
NOT TO SCALE

PREPARED BY:
DEWBERRY ENGINEERS INC.

DOTYVILLE ROAD (T-926)
BRIDGE REPLACEMENT PROJECT

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4/30/2025
1:21:03 PM
JLH

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8/18/2023 8:43:03 AM
JLH

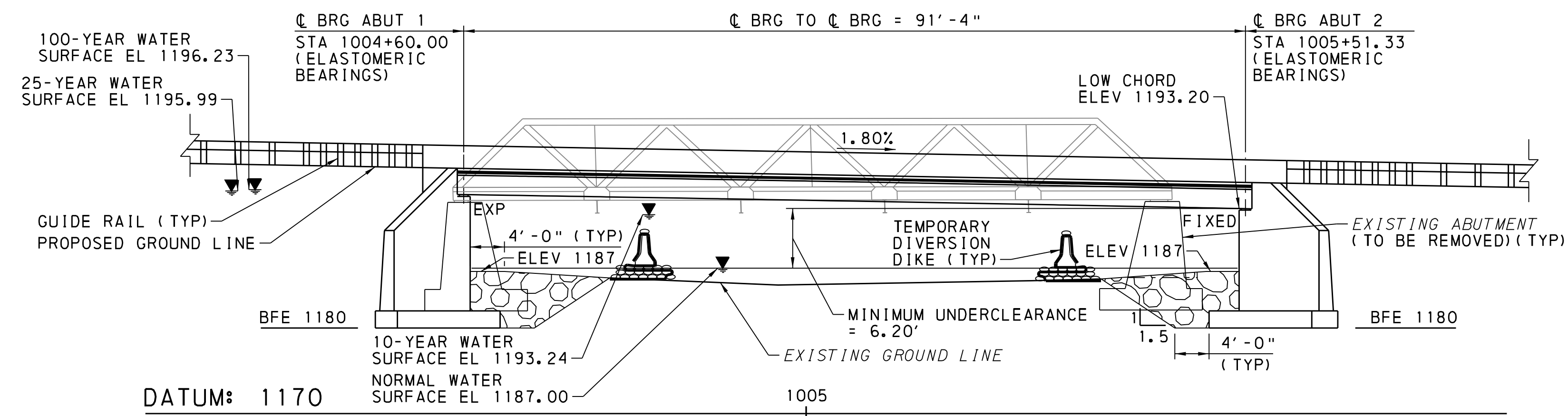


LEGEND

- 1190- EXISTING CONTOUR
- 1190- PROPOSED CONTOUR
- TEMPORARY DIVERSION DIKE
- DIRECTION OF TRAFFIC
- AS-DRILLED BORING LOCATION
- SELECTED BORROW EXCAVATION ROCK, CLASS R-4
- SELECTED BORROW EXCAVATION ROCK, CLASS R-8
- POINT OF MINIMUM UNDERCLEARANCE

PLAN

2 0 4 8 12 FEET



HYDRAULIC DATA

FREQUENCY	EXISTING STRUCTURE*			PROPOSED STRUCTURE*		
	10 YEAR	25 YEAR	100 YEAR	10 YEAR	25 YEAR	100 YEAR
MAGNITUDE (CFS)	5037	6500	8884	5037	6500	8884
VELOCITY (FPS)	7.43	5.00	6.66	8.03	5.10	6.68
WS ELEVATION	1193.83	1196.11	1196.26	1193.24	1195.99	1196.23
LOW CHORD	1194.79			1193.20		

FLOOD OF RECORD : UNKNOWN
DRAINAGE AREA : 80.3 SQ. MILES
DESIGN FLOOD: 10 YEARS (LOCAL ROAD)

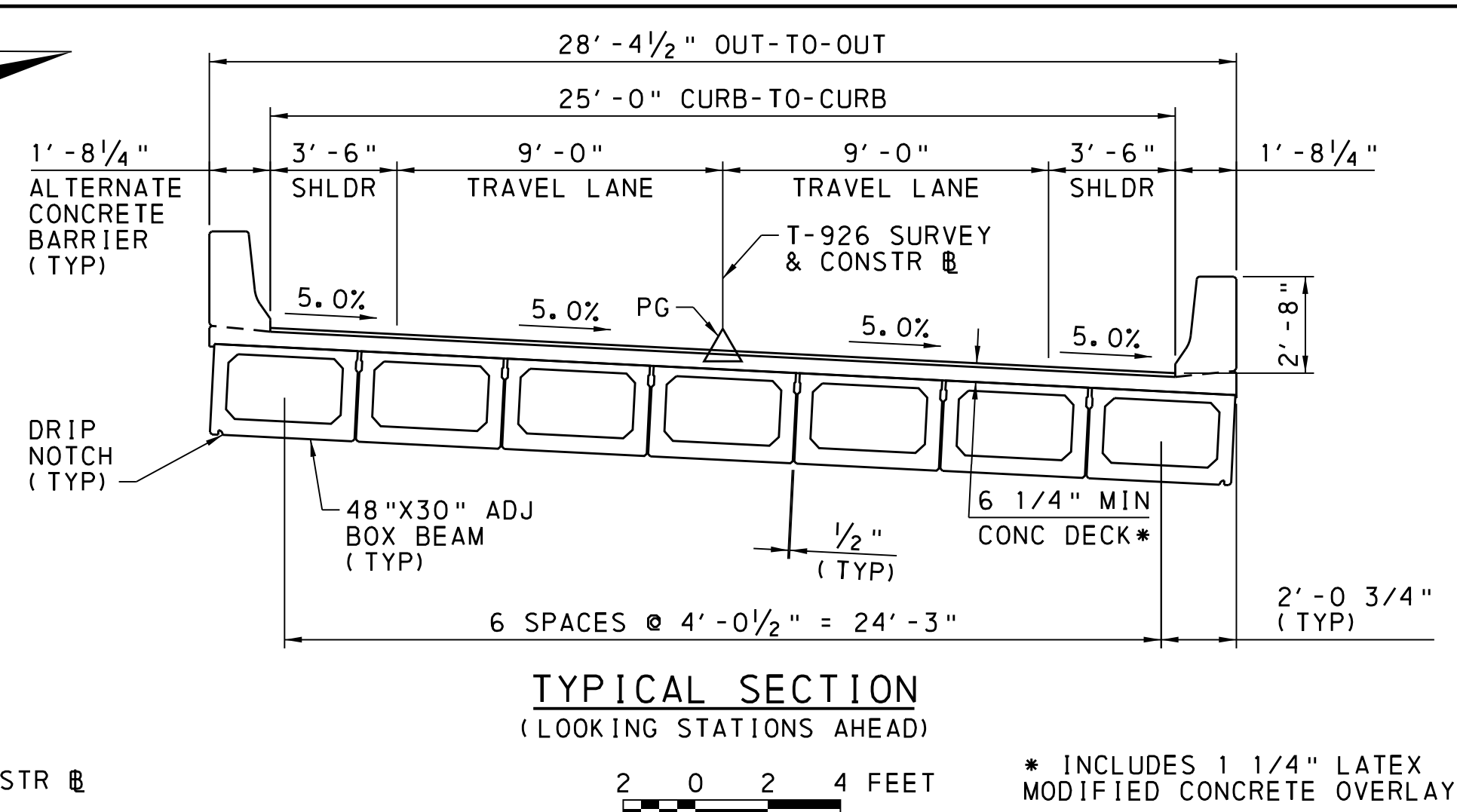
DES: JMS CKD: SAB DWG: SAB CKD: BMH

ELEVATION ALONG T-926 SURVEY AND CONSTR B

2 0 4 8 12 FEET

AS-DRILLED BORING LOCATIONS

BORING NUMBER	LOCATION	
	STATION	OFFSET
RB1	1004+53.2	3.9' LT
RB2	1005+49.1	5.1' RT



GENERAL NOTES

PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH SPECIFICATIONS PUBLICATION 408/2020 AND THE CONTRACT SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS:

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, EIGHTH EDITION, 2017, AND AS SUPPLEMENTED BY DESIGN MANUAL PART 4, DECEMBER 2019 EDITION.

LIVE LOAD DISTRIBUTION TO GIRDERS IS BASED UPON DM-4 DISTRIBUTION FACTOR METHOD.

DESIGN IS IN ACCORDANCE WITH THE LRFD METHOD.

DEAD LOADS:

INCLUDES A SURFACE AREA DENSITY OF 0.030 KSF FOR FUTURE WEARING SURFACE ON THE DECK SLAB.

DESIGN LIVE LOADS:

PHL-93 OR P-82 (204 kip PERMIT LOAD)

FATIGUE DESIGN IS BASED ON THE FOLLOWING:

PRESTRESSED CONCRETE: ADTT 4 (2045) (ONE-DIRECTIONAL)

MAXIMUM ALLOWABLE TENSILE STRESS IN PRECOMPRESSED TENSILE ZONE: 0.0948* $\sqrt{f'c}$.

HORIZONTAL CURVE DATA

PI STA 1004+30.30
 $\Delta = 27^\circ 02' 32''$ RT
T = 37.03'
L = 72.68'
R = 154.00'
E = 4.39'
PC STA 1003+93.27
PT STA 1004+65.95

VERTICAL CURVE DATA

TANGENT - 1.80%

Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

BMS STR ID: 20-7210-0326-3021 MPMS/ECMS PROJ: 328 BRKEY: -----

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

CRAWFORD COUNTY

T-926

DOTYVILLE ROAD

STA 1005+05.67

OVER PINE CREEK

SINGLE SPAN P/S CONC ADJ. BOX BEAM BRIDGE

TYPE, SIZE, & LOCATION

RECOMMENDED

SHEET 1 OF 1

S -

PROFESSIONAL ENGINEER

DATE

20