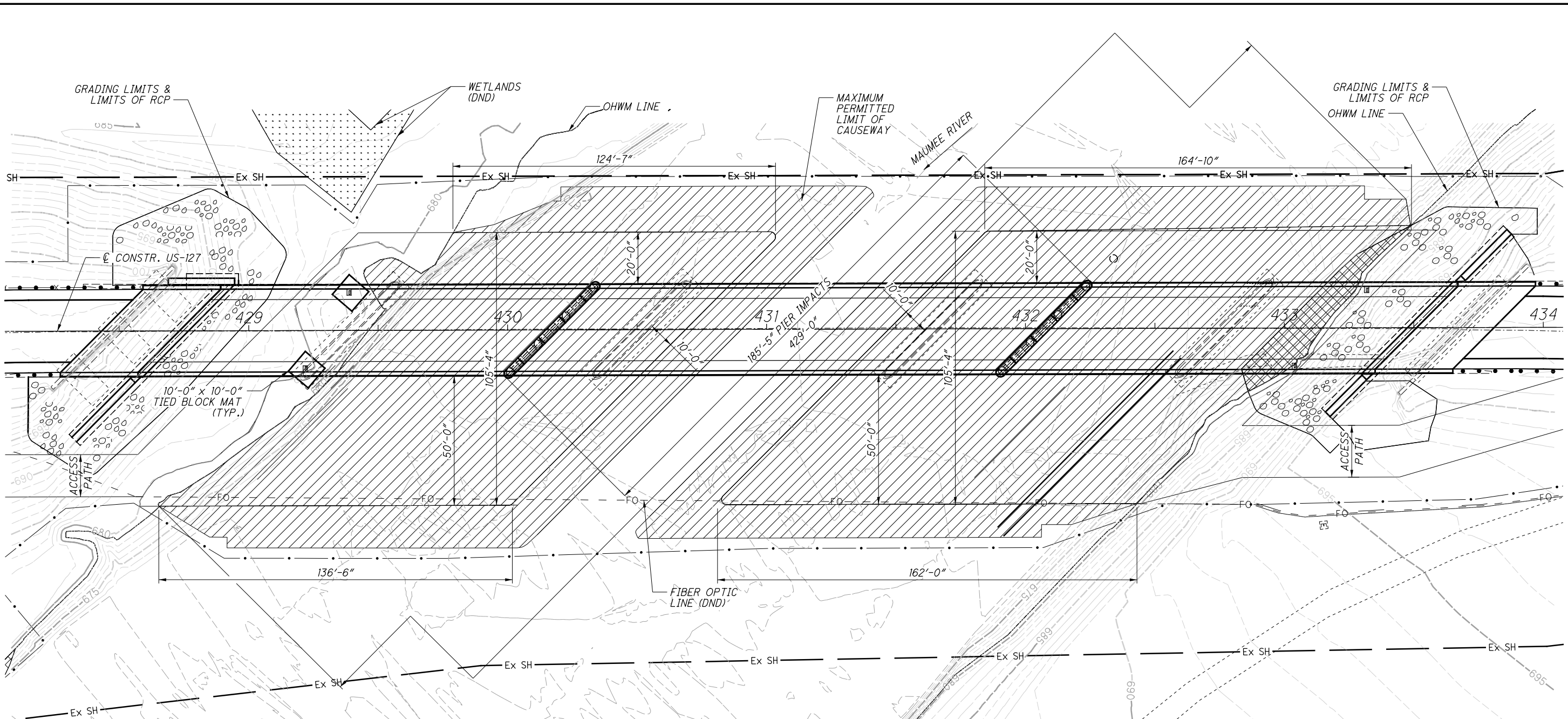
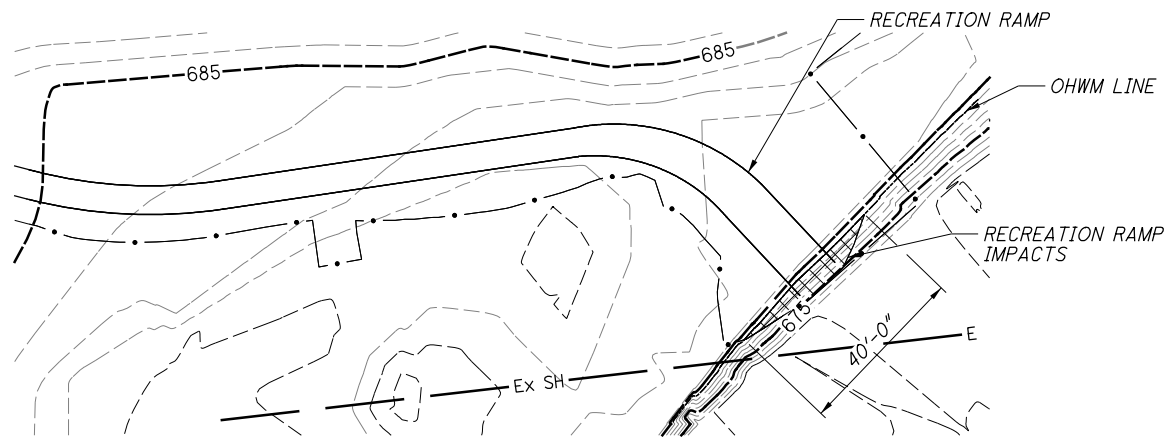


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PLAN - CAUSEWAY



PLAN - RECREATION RAMP

LEGEND:

- = PERMANENT IMPACT
- = TEMPORARY IMPACT

NOTES:

1. PERMANENT IMPACTS ARE CAUSED BY THE PROPOSED PIERS, RCP AT FORWARD ABUTMENT AND RECREATION RAMP. SEE CONTRACT DOCUMENTS FOR ADDITIONAL DETAILS.
2. ALL CAUSEWAY IMPACTS ARE TEMPORARY.

CALCULATED
 A/E
 CHECKED
 TWP

PLAN ENVIRONMENTAL IMPACTS

DEF-127-0053

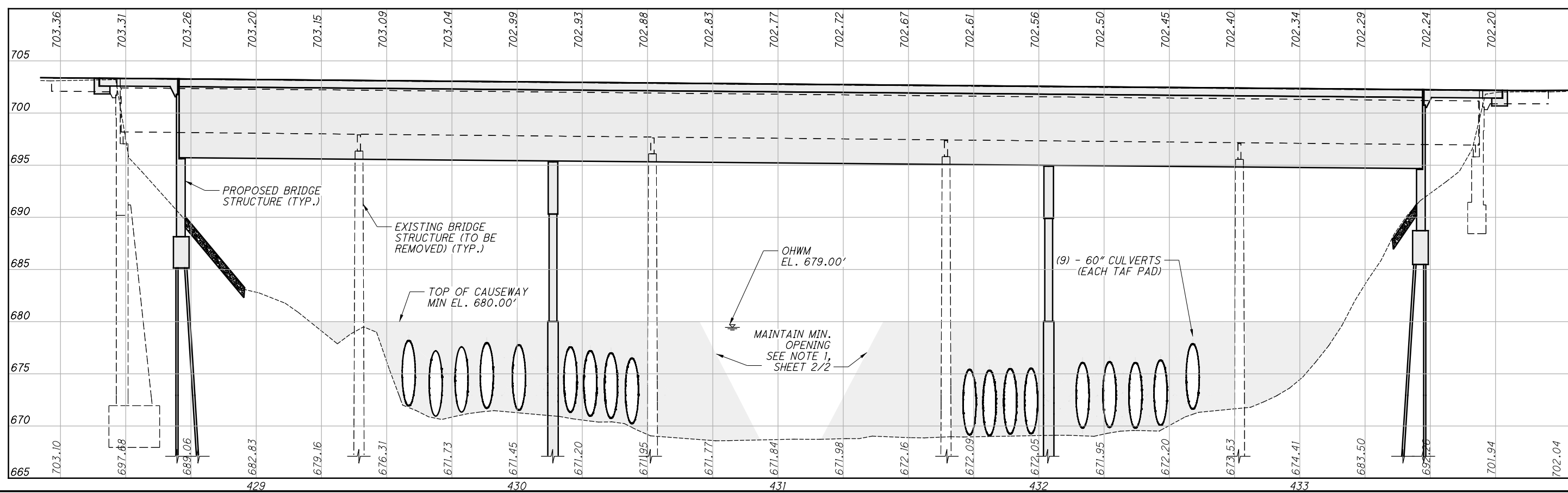
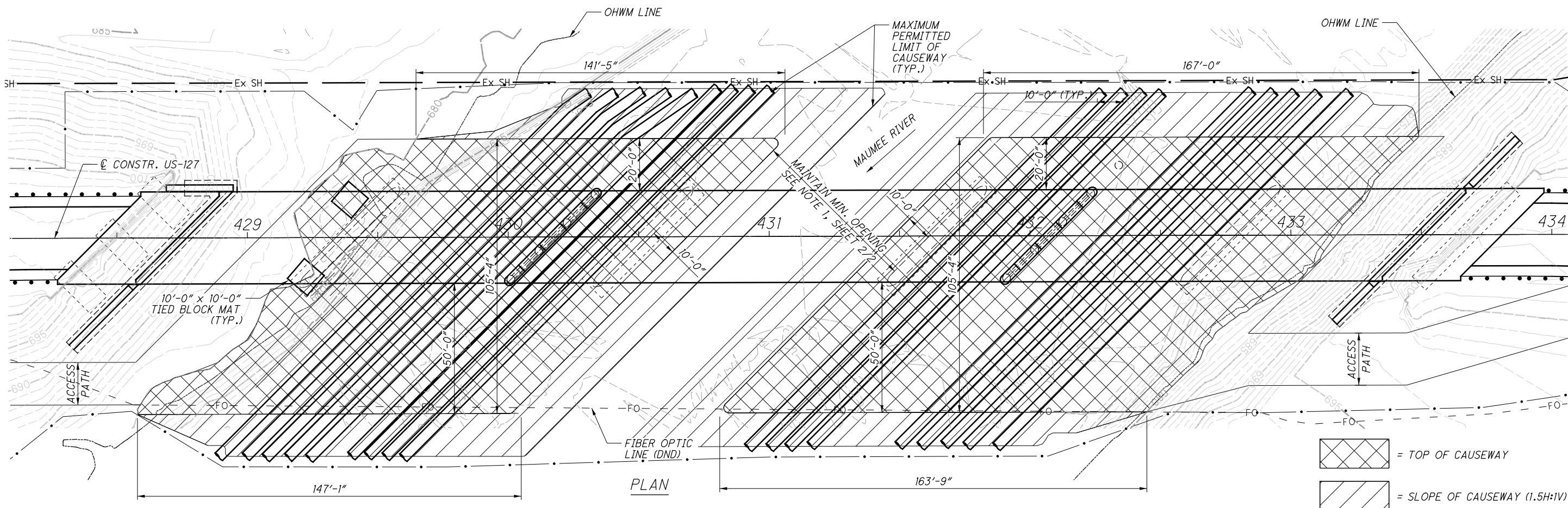
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Table A. Discharge and Fill Quantities

STREAMS				Permanent Fill Within/Below OHWM						Total Permanent Fill Within OHWM			Total Temporary Fill Within OHWM			TOTAL IMPACT (Upstream to Downstream)	TOTAL NEW IMPACT (Total Impact Minus Pre-Existing Impacts)
Aquatic Resource ID	Station	Description of Impacts/Activities Within OHWM	Total Length Within Project Area	Proposed Concrete (Includes Culvert, Piers, Walls, Abutments, etc.)			Proposed RCP & Concrete Block Matting										
				Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Length (LF)
Maumee River	STA 428+00-STA 434+00	Bridge Replacement (New Piers and RCP)	489	185.0	0.008	125.000	90.0	0.020	90.000	275.000	0.028	215.000	0.0	0.000	0.000	275.000	275.0
	STA 428+00-STA 434+00	Temporary Causeway		0.0	0.000	0.000	0.0	0.000	0.000	0.000	0.000	0.000	453.0	1.400	18,926.000	453.000	453.0
	STA 428+00-STA 434+00	Bridge Demolition Debris*		0.0	0.000	0.000	0.0	0.000	0.000	0.000	0.000	0.000	220.0	0.472	1,190.000	220.000	220.0
	STA 204+85.57-STA 205+07.83	Recreational Boat Ramp		0.0	0.000	0.000	40.0	0.002	2.000	40.000	0.002	2.000	0.0	0.000	0.000	40.000	40.0

*Construction means and methods will be determined by the contractor. Demolition debris quantities are based on worst-case scenario impacts.
 LF = linear feet; AC = acres; CY = cubic yards; RCP = rock channel protection or the like (specify if different, ie. concrete block matting); NA = Not Applicable

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**PRELIMINARY CAUSEWAY
 PLAN AND PROFILE**