Docusign Envelope ID: F8E81995-F8D6-4CD1-81E7-31A71BDF693D

-L1- VERTICAL CURVE DATA

P.I. STA. = 107+90.00
EL. = 2,076.90
V.C. = 80'

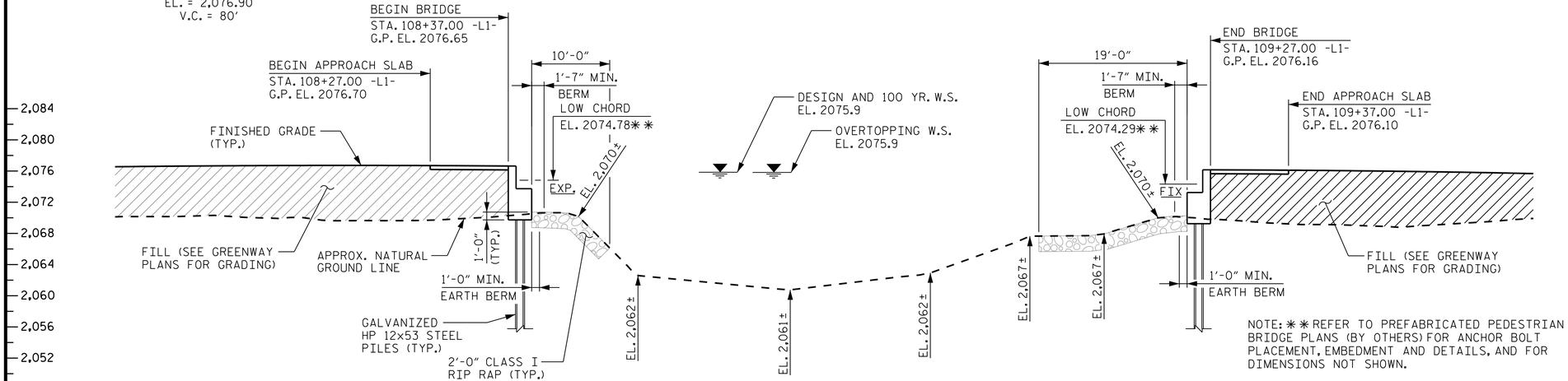
(+)2.6000% / (-)0.5405%

SPAN A

-L1- VERTICAL CURVE DATA

P.I. STA. = 109+75.00
EL. = 2,075.90
V.C. = 80'

(-)0.5405% / (-)4.3200%



END BENT 1

END BENT 2

NOTE: ** REFER TO PREFABRICATED PEDESTRIAN BRIDGE PLANS (BY OTHERS) FOR ANCHOR BOLT PLACEMENT, EMBEDMENT AND DETAILS, AND FOR DIMENSIONS NOT SHOWN.

SECTION ALONG -L1-

BOTTOM OF CAP ELEVATIONS AND LOW CHORD ELEVATIONS ARE NOT FINAL UNTIL FURTHER PREFABRICATED BRIDGE DESIGN IS PERFORMED.

-L1- HORIZONTAL CURVE DATA

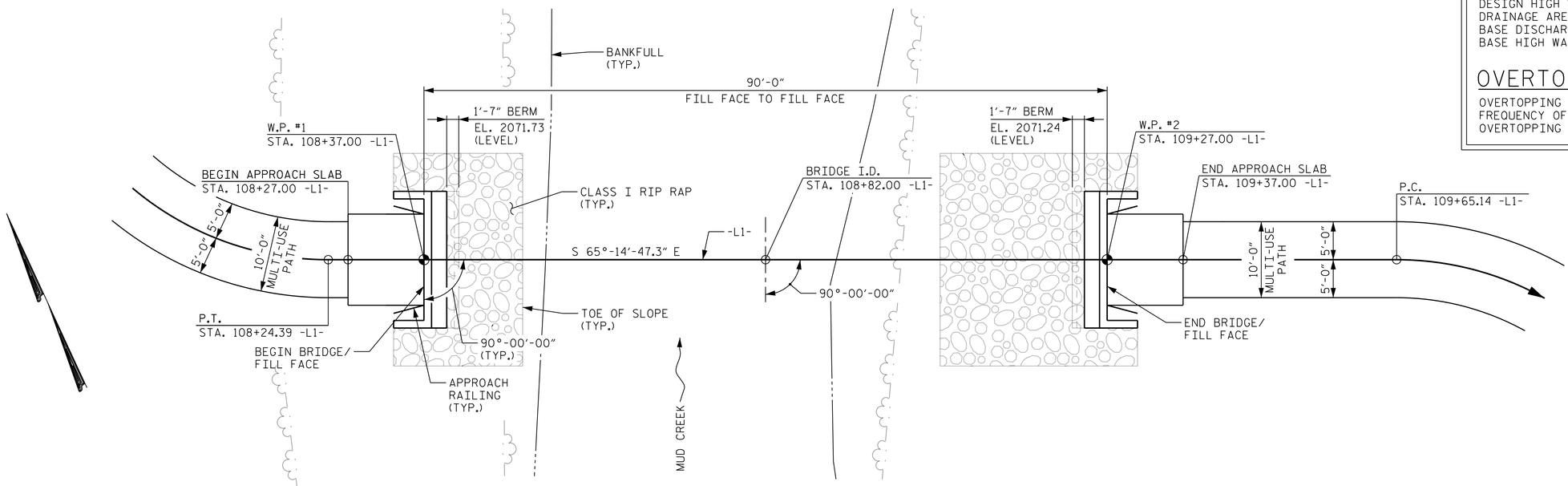
P.I. STA. 108+01.56	P.I. STA. 109+75.55
Δ = 88°-44'-39.3" (LT)	Δ = 29°-10'-10.8" (RT)
D = 143°-14'-22.0"	D = 143°-14'-22.0"
L = 61.96'	L = 20.36'
T = 39.13'	T = 10.41'
R = 40.00'	R = 40.00'

HYDRAULIC DATA

DESIGN DISCHARGE ----------8,860 CFS
FREQUENCY OF DESIGN FLOOD -------100-YR
DESIGN HIGH WATER ELEVATION-----2075.9 FT
DRAINAGE AREA----------53.4 SQ. MI
BASE DISCHARGE (Q100)----------8,860 CFS
BASE HIGH WATER ELEVATION-------2075.9 FT

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE----------->12,740 CFS
FREQUENCY OF OVERTOPPING FLOOD---->500-YR
OVERTOPPING FLOOD ELEVATION-------2075.9 FT



PLAN

(PILES NOT SHOWN IN PLAN VIEW FOR CLARITY)

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REV. No.:	REVISION:	DATE:	DRAWN BY:	CHECKED BY:

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adoption by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Copyright Kimley-Horn and Associates, Inc., 2024

PREPARED IN THE OFFICE OF:
Kimley»Horn
NC LICENSE #F-0102
200 S TRYON ST., SUITE 200
CHARLOTTE, NORTH CAROLINA 28202
PHONE: (919) 677-2000
©2025

GENERAL DRAWING
STRUCTURE #1

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 047653 CLAY T. POOLE
11/17/2025

PROJECT:
CLEAR CREEK GREENWAY

JOB NUMBER: 015574013
SHEET NUMBER: S-1

K:\NDOT_Structures_Bridge\NC\015574013 - BL-0008 Clear Creek\Cad\Dgn\001_BL0008_SMU_GD1.dgn
9/30/2025