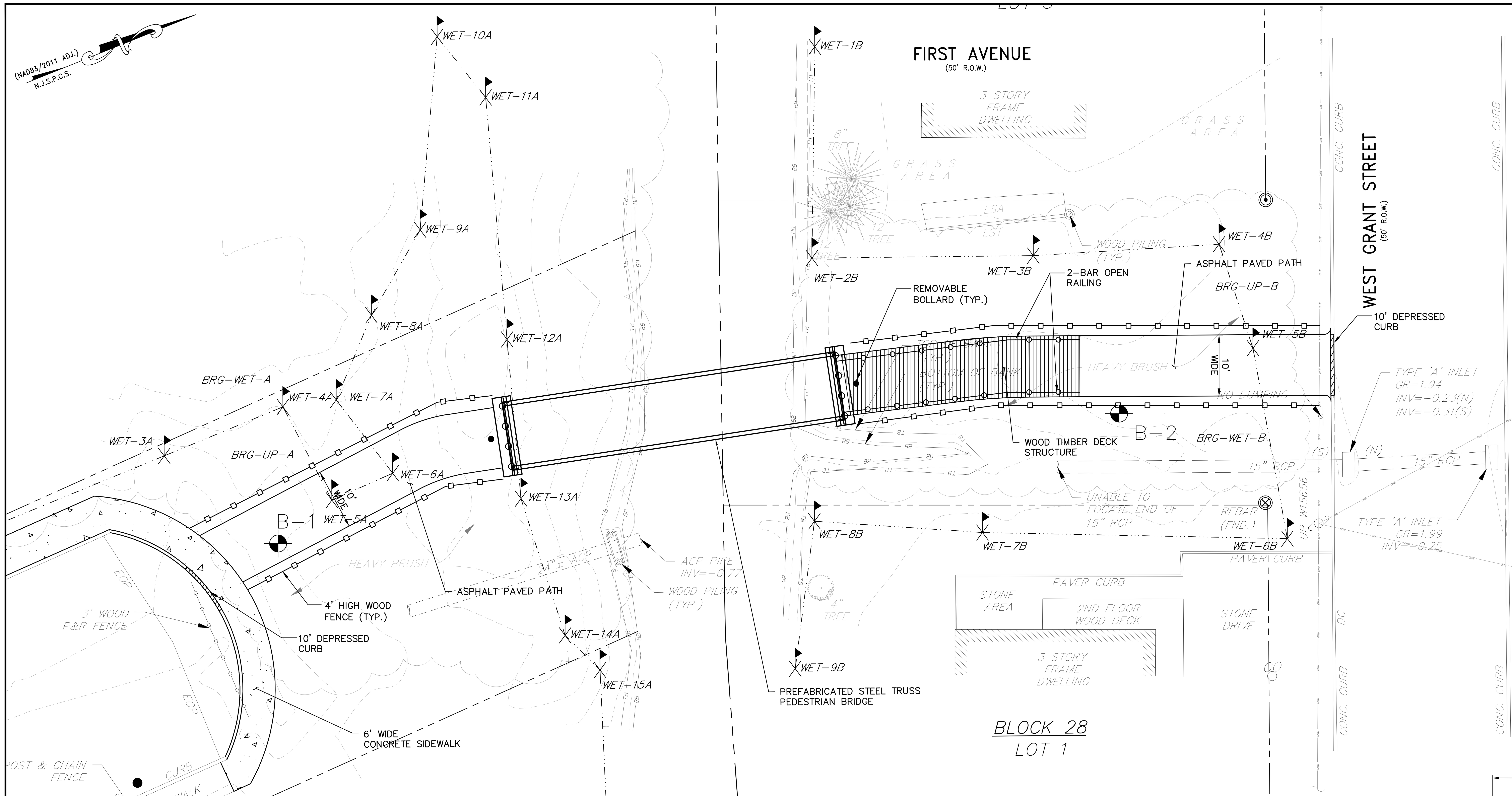
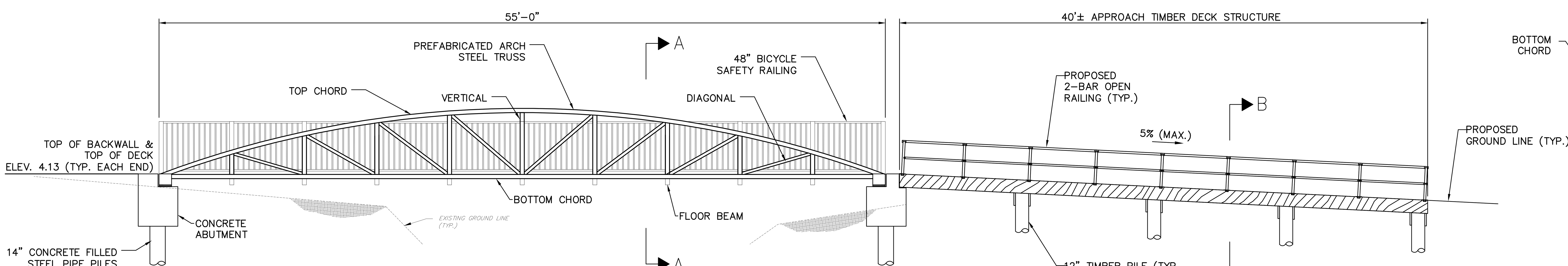


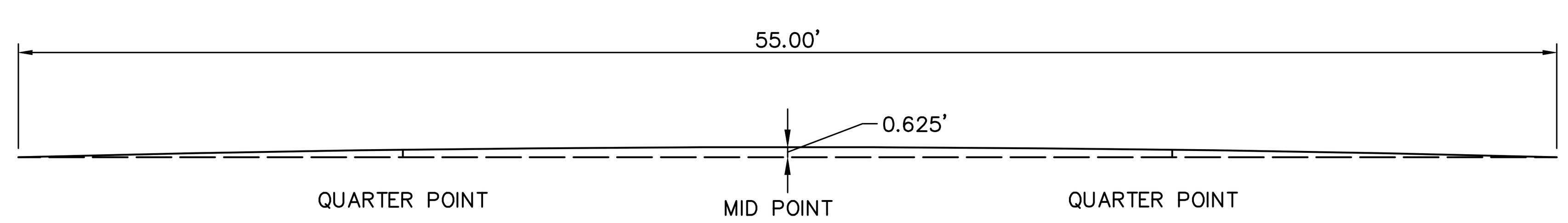
PLAN - PEDESTRIAN BRIDGE

SCALE: 1" = 10'



ELEVATION

SCALE: 1" = 5'



CAMBER DIAGRAM

SCALE: 1" = 5'

LEGEND

B-1

DENOTES NUMBER AND APPROXIMATE LOCATION OF TEST BORINGS

1/2" = 1'-0"

GRAPHIC SCALE

(IN FEET)
1 inch = 5 ft.

GRAPHIC SCALE

(IN FEET)
1 inch = 10 ft.

GENERAL NOTES

1. DESIGN SPECIFICATIONS:
   AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, (WITH INTERIMS) AS MODIFIED BY SECTION 3 OF THE NJDOT DESIGN MANUAL FOR BRIDGES AND STRUCTURES, AND THE AASHTO GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2ND EDITION, WITH 2015 INTERIM REVISIONS.

2 CONSTRUCTION AND MATERIAL SPECIFICATIONS:
   2019 NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS MODIFIED BY THE CONTRACT SUPPLEMENTARY SPECIFICATIONS.

3. DESIGN LOADING:
   LIVE LOAD
   90 POUNDS PER SQUARE FOOT PEDESTRIAN LOAD
   H5 VEHICULAR LOAD
   DEAD LOAD
   BRIDGE AND TIMBER DECK SELF WEIGHT

4. CONCRETE DESIGN STRENGTH:
   SPECIFIED COMPRESSIVE STRENGTH f'c:

   CLASS B ....3,000 PSI (ABUTMENTS, WINGWALLS, FOOTINGS AND PILES)

5. STRUCTURAL STEEL:
   ALL STRUCTURAL STEEL AND CONNECTIONS SHALL BE WEATHERED STEEL PER THE PROJECT SPECIFICATIONS.

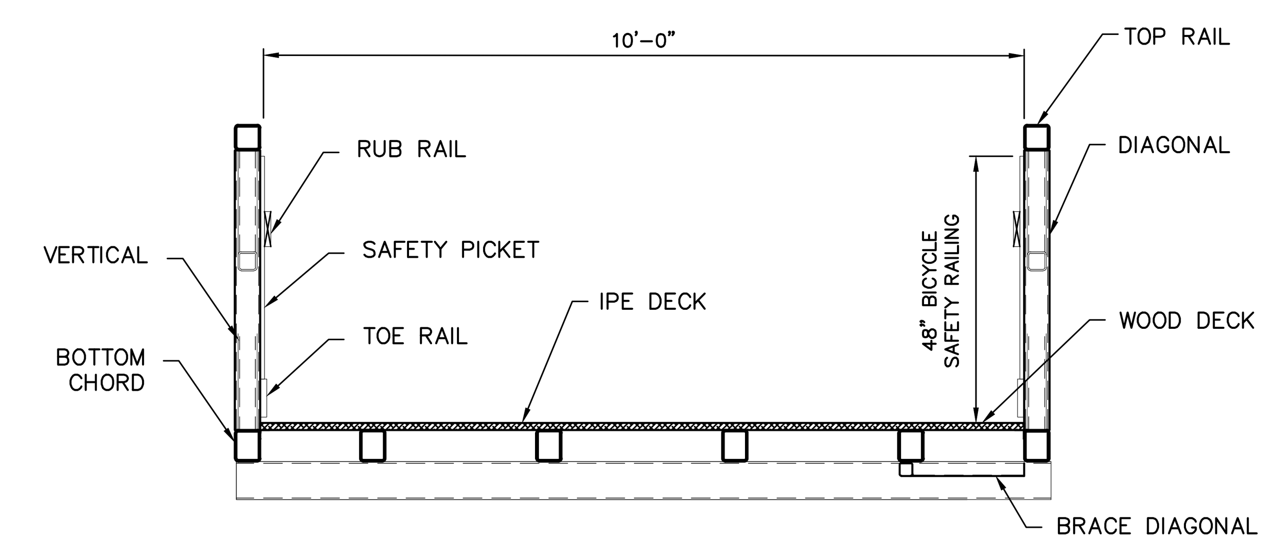
6. REINFORCEMENT STEEL:
   ASTM A615 (GRADE 60), ALL REINFORCEMENT STEEL SHALL BE EPOXY COATED.

7. SUPERSTRUCTURE:
   PREFABRICATED SINGLE SPAN STEEL BOWSTRING TRUSS BRIDGE WITH IPE TIMBER DECKING.

   MANUFACTURER: CONTECH ENGINEERED SOLUTIONS
   9025 CENTER POINTE DRIVE, SUITE 400
   WEST CHESTER, OHIO 45069
   CONTINENTAL KEYSTONE PEDESTRIAN BRIDGE SYSTEM, OR APPROVED EQUIVALENT.

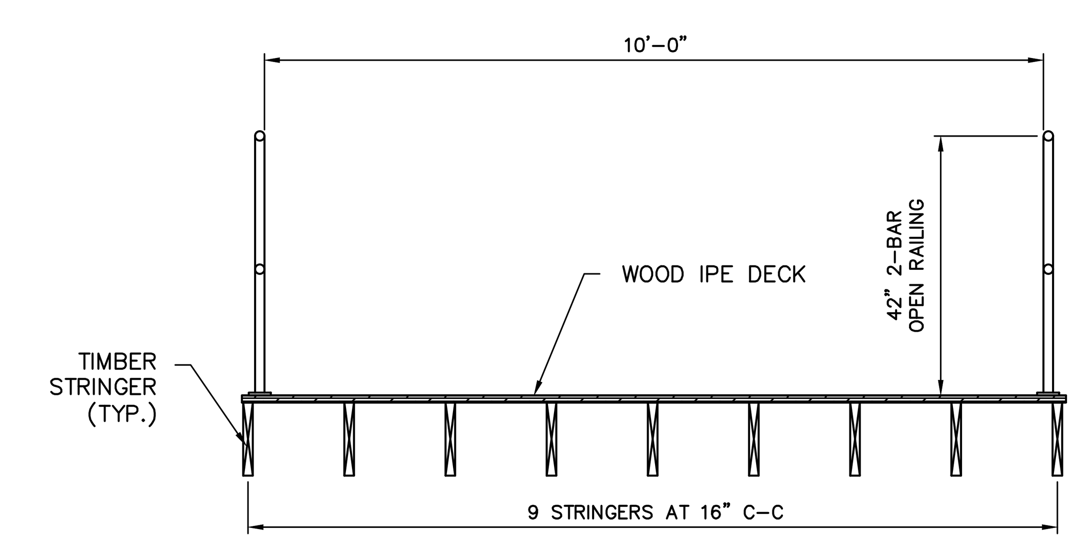
8. FOUNDATION DESIGN CRITERIA:
   ABUTMENTS TO BE FOUNDED ON CONCRETE FILLED STEEL PIPE PILES:
   STRUCTURAL STEEL PIPE SHALL BE GRADE 50 (ASTM A=252, GRADE 3 MODIFIED)
   NOMINAL AXIAL COMPRESSION CAPACITY............XXX KIPS
   FACTORED AXIAL COMPRESSION CAPACITY..........XXX KIPS
   NOMINAL UPLIFT CAPACITY..................................XXX KIPS
   FACTORED UPLIFT CAPACITY................................XXX KIPS
   LATERAL CAPACITY...XXX KIPS
   ESTIMATED PILE TIP ELEVATION...........................
   ESTIMATED SHEET PILE TIP ELEVATION...............

9. DATUM:
   THE HORIZONTAL DATUM IS BASED ON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD-1983/2011 ADJ.) AND THE VERTICAL DATUM IS BASED ON NAVD-1988/GEOID 2018 (ADD 0.89 FEET TO THESE ELEVATIONS TO CONVERT TO NGVD-1929 DATUM).



SECTION A-A

SCALE: 1/2" = 1'-0"



SECTION B-B

SCALE: 1/2" = 1'-0"

GPE-1

RVE
1901
REMINGTON & VERNICK ENGINEERS
4907 NEW JERSEY AVENUE
WILDWOOD CITY, NJ 08260
(609) 522-5150, FAX (609) 522-5313
WEB ADDRESS : RVE.COM
Certification of Authorization: 24 GA 28003300
Excellence • Innovation • Service

DATE:
DUSTIN M. SCHOPEN
NJ PROFESSIONAL ENGINEER LIC. No. 56678

PROGRESS SUBMISSION

THIS PROJECT PLAN SUBMISSION SET IS:

PERCENT COMPLETE: ____________

AS OF DATE: ____________

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

No.	REVISION	DATE	BY	CHK

GENERAL PLAN AND ELEVATION

BOROUGH OF WEST CAPE MAY

PEDESTRIAN AND BICYCLE BRIDGE
BOROUGH OF WEST CAPE MAY TO CITY OF CAPE MAY

BOROUGH OF W. CAPE MAY — CAPE MAY COUNTY — NEW JERSEY

DRAWN BY :	DESIGN BY :	CHECKED BY :	SCALE :
CFC	DMS	XXX	AS NOTED

DATE :	SHEET No. :
4/21/2025	1 of 1
JOB No. : 0512U046	

GPE-1
GPE-1

Z:\Shared\2_OldServers\Wildwood\CADD\Drafting\West Cape May\0512U046 - Pedestrian Bridge\dwg\0512U046 - STRUCTURE - GPE.dwg 3/11/2026 3:56:09 PM