



DELAWARE COUNTY

WILLIAM F. WECHSLER, President LARRY HOLMES, ESQ., Vice President DAVID R. BURMAN, Twp. Manager/Secretary JAMES J. BYRNE, JR., ESQ., Solicitor PENNONI ASSOCIATES, INC., Engineer

1014 DARBY ROAD HAVERTOWN, PA 19083-2251

610-446-1000

MANAGER 610-446- 1000 ext. 2208

HUMAN RESOURCES 610-446-1000 ext. 2233

WARD COMMISIONERS

1st Ward STEPHEN D'EMILIO 2nd Ward MARIO A OLIVA 3rd Ward KEVIN McCLOSKEY,ESQ.

4th Ward DANIEL SIEGEL, ESQ. 5th Ward ANDY LEWIS 6th Ward LARRY HOLMES, ESQ. 7th Ward CONOR QUINN 8th Ward GERRY HART, M.D. 9th Ward WILLIAM F. WECHSLER

PENNSY TRAIL PROPOSED PHASE II IMPROVEMENTS

A. OVERVIEW:

- Township received a \$1,163,000 grant from the Delaware Valley Regional Planning Commission's (DVRPC) Transportation Alternatives Set Aside Program for construction of the project.
- The project is administered by DVRPC and PennDOT.
- B. <u>SCOPE:</u>
 - Extension of Phase I of the Pennsy Trail which opened in 2015.
 - Trail will be constructed in the former P&W railroad bed.
 - Includes:
 - Construction of 70-foot long pedestrian bridge over Manoa Road to accommodate the trail.
 - Installation of a 10-foot wide paved trail from Manoa Road to the existing parking lot at the end of Vernon Road; approximately 1,600-feet.

C. TIMING:

- Design documents are anticipated to be completed by August 2020
- PennDOT is expected to bid the project in March/April of 2021
- Construction anticipated to commence in Summer of 2021
- Trail projected to open in the Spring of 2022

The following information includes plans and photos for the various components included in the project. This information is being provided to solicit input from Township residents. Should you have any questions or comments, please e-mail them to: Brian Barrett, Director of Recreation @ <u>BBarrett@havtwp.org</u>



INSY PEN TRA

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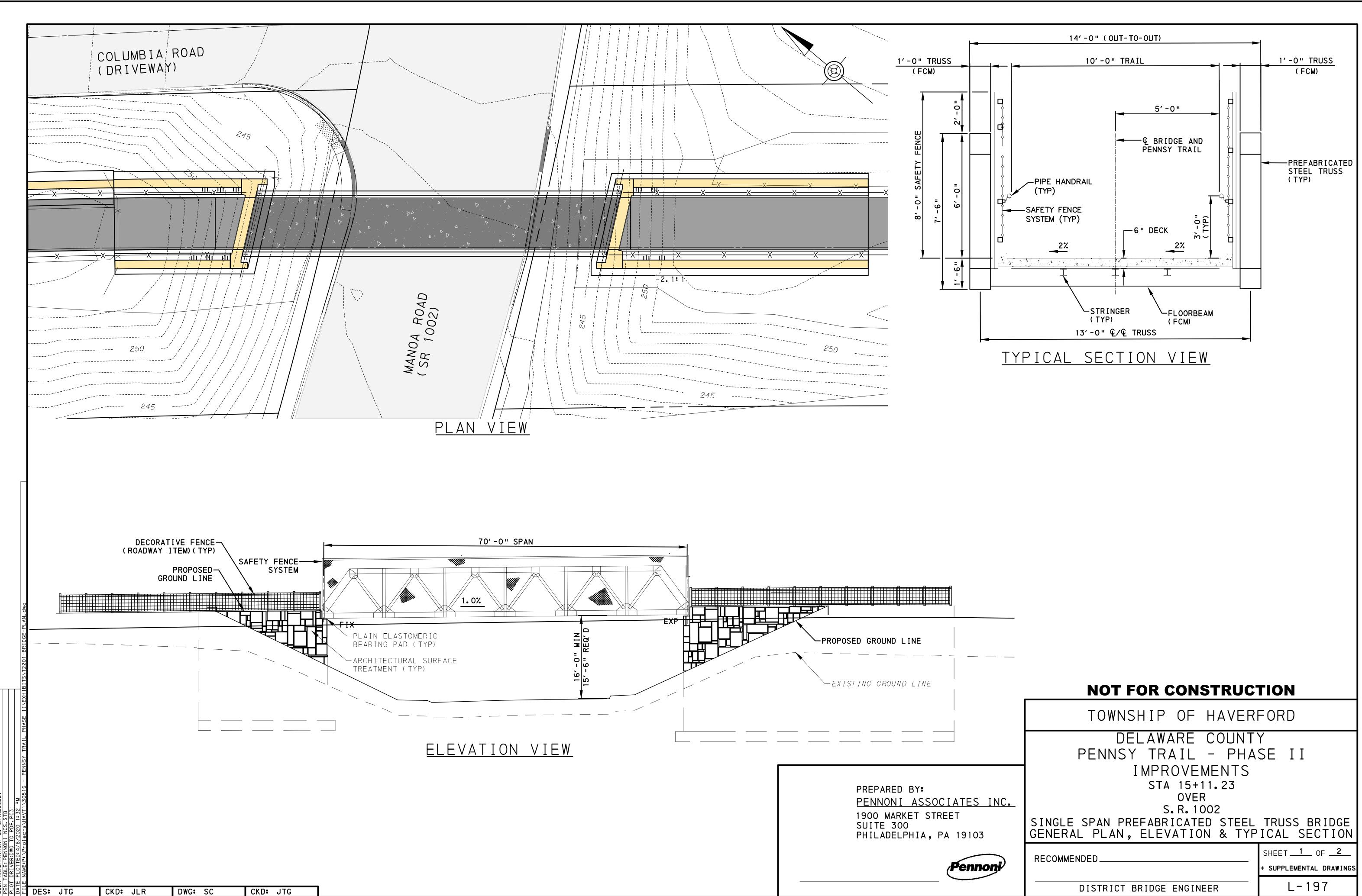
VEST CHESTER PIKE (ROUTE 3

VERNON ROAD-

PROPOSED **PEDESTRIAN BRIDGE**

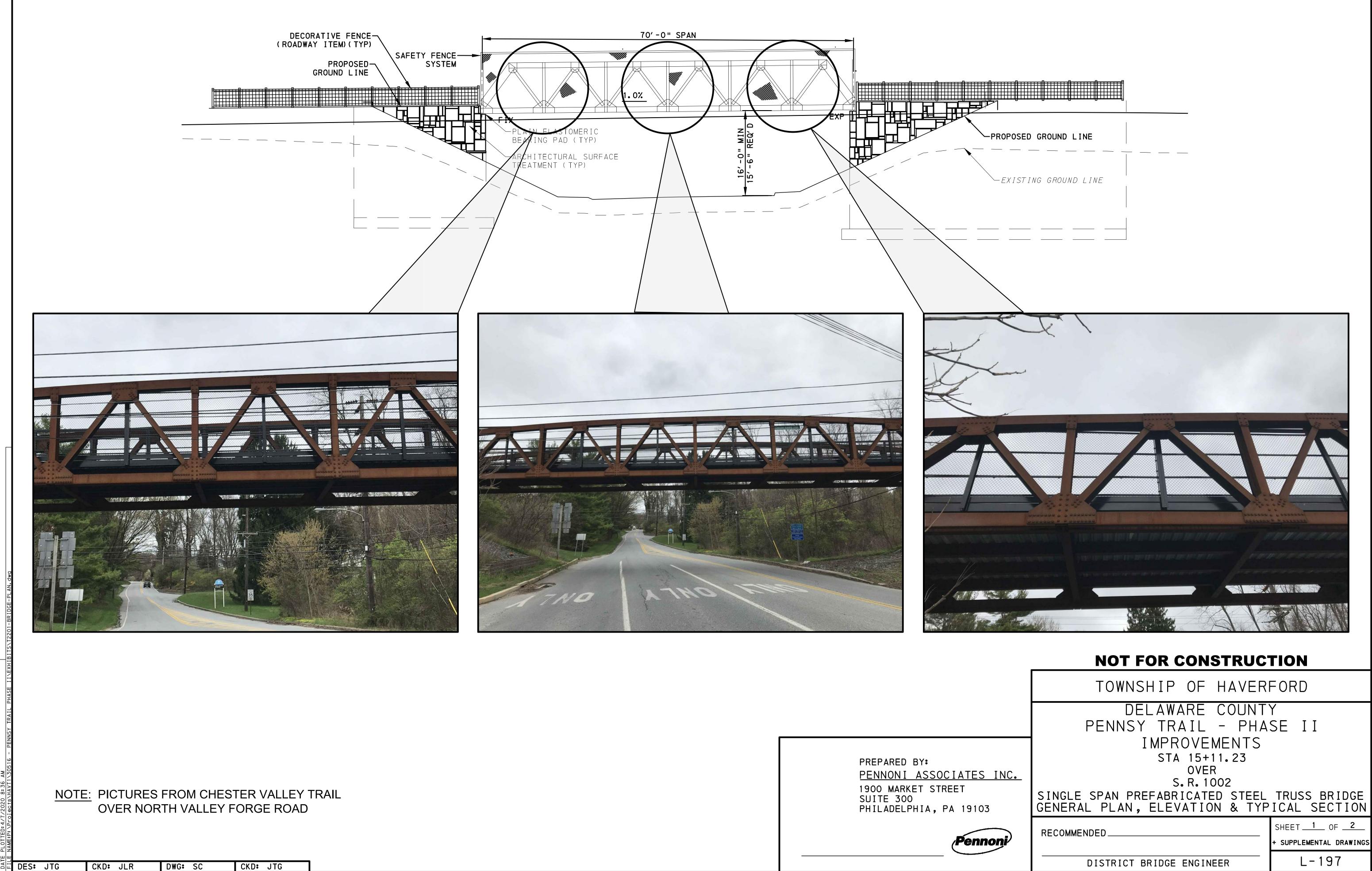
EXISTING WALKING ROUTE TO MIDDLE SCHOOL



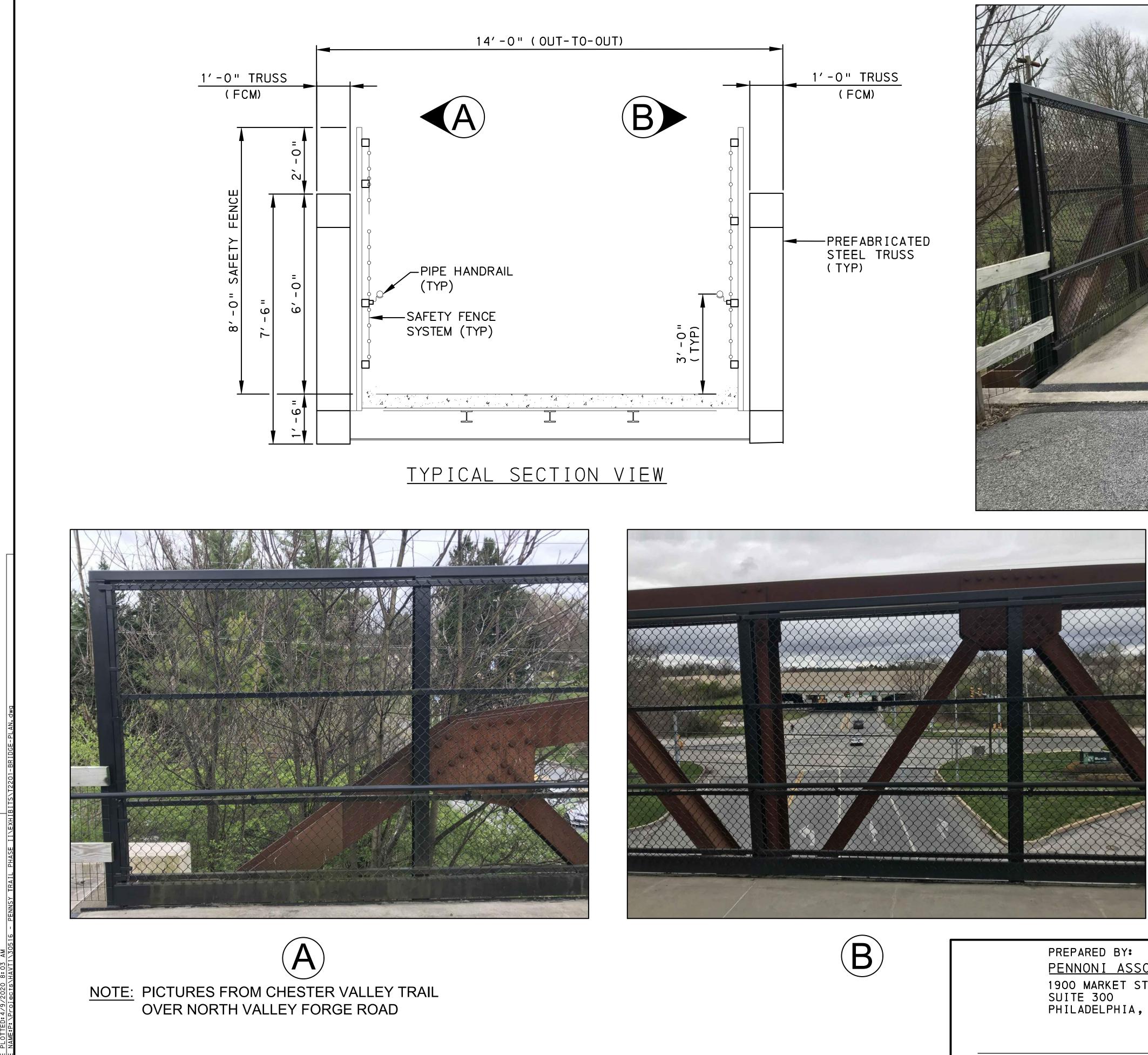


DISTRICT BRIDGE ENGINEER

L-197



DISTRICT BRIDGE ENGINEER



SE JTG CKDE JLR DWGE SC CKDE JTG

DES

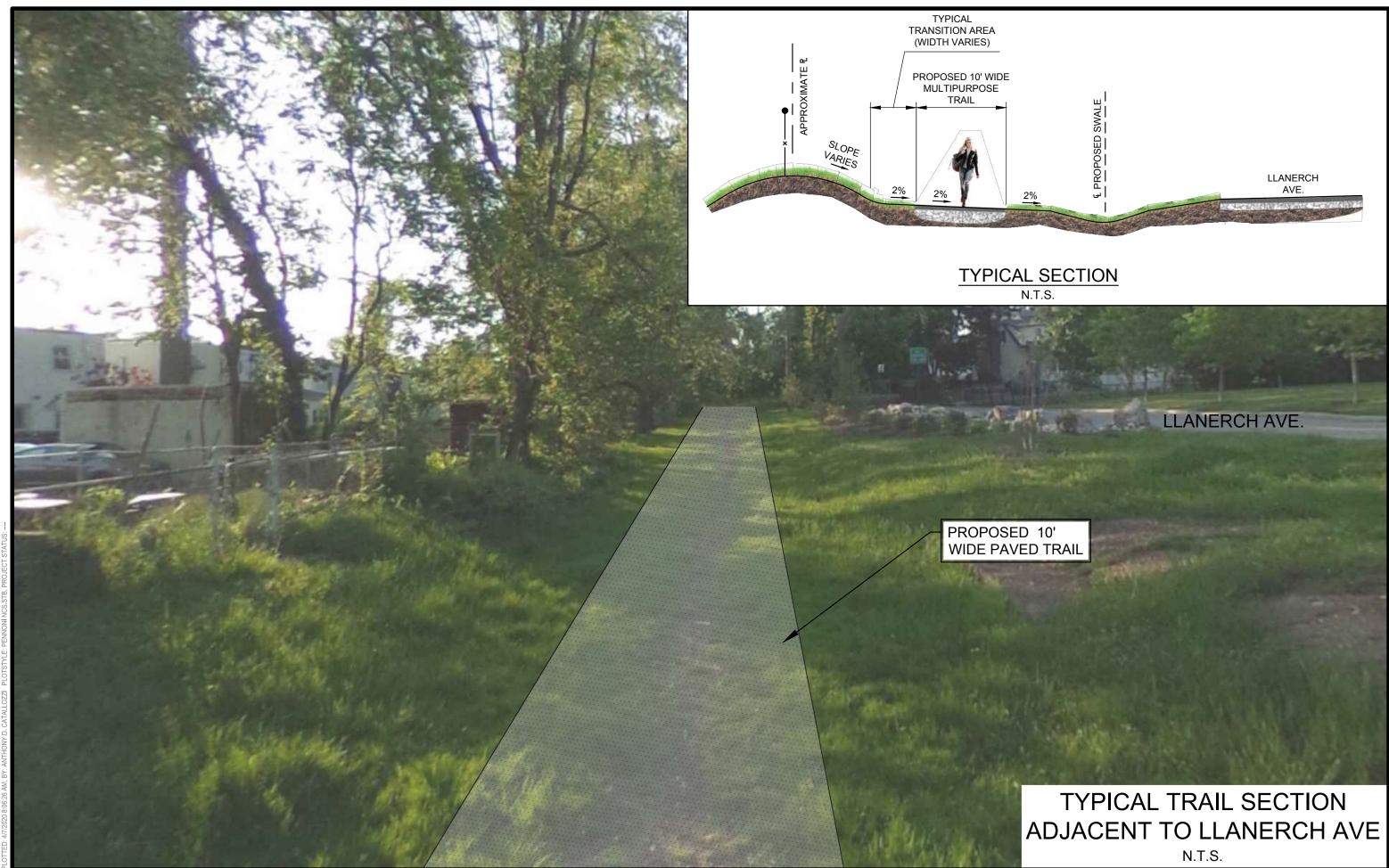


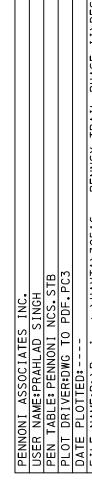
PENNONI ASSOCIATES INC. 1900 MARKET STREET SUITE 300 PHILADELPHIA, PA 19103



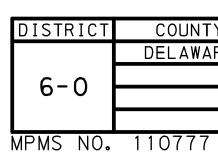
NOT FOR CONSTRUCTION

TOWNSHIP OF HAVERFORD DELAWARE COUNTY PENNSY TRAIL - PHASE II IMPROVEMENTS STA 15+11.23 0VER S.R.1002 SINGLE SPAN PREFABRICATED STEEL TRUSS BRIDGE GENERAL PLAN, ELEVATION & TYPICAL SECTION SHEET 1 OF 2 RECOMMENDED SUPPLEMENTAL DRAWINGS L-197 DISTRICT BRIDGE ENGINEER







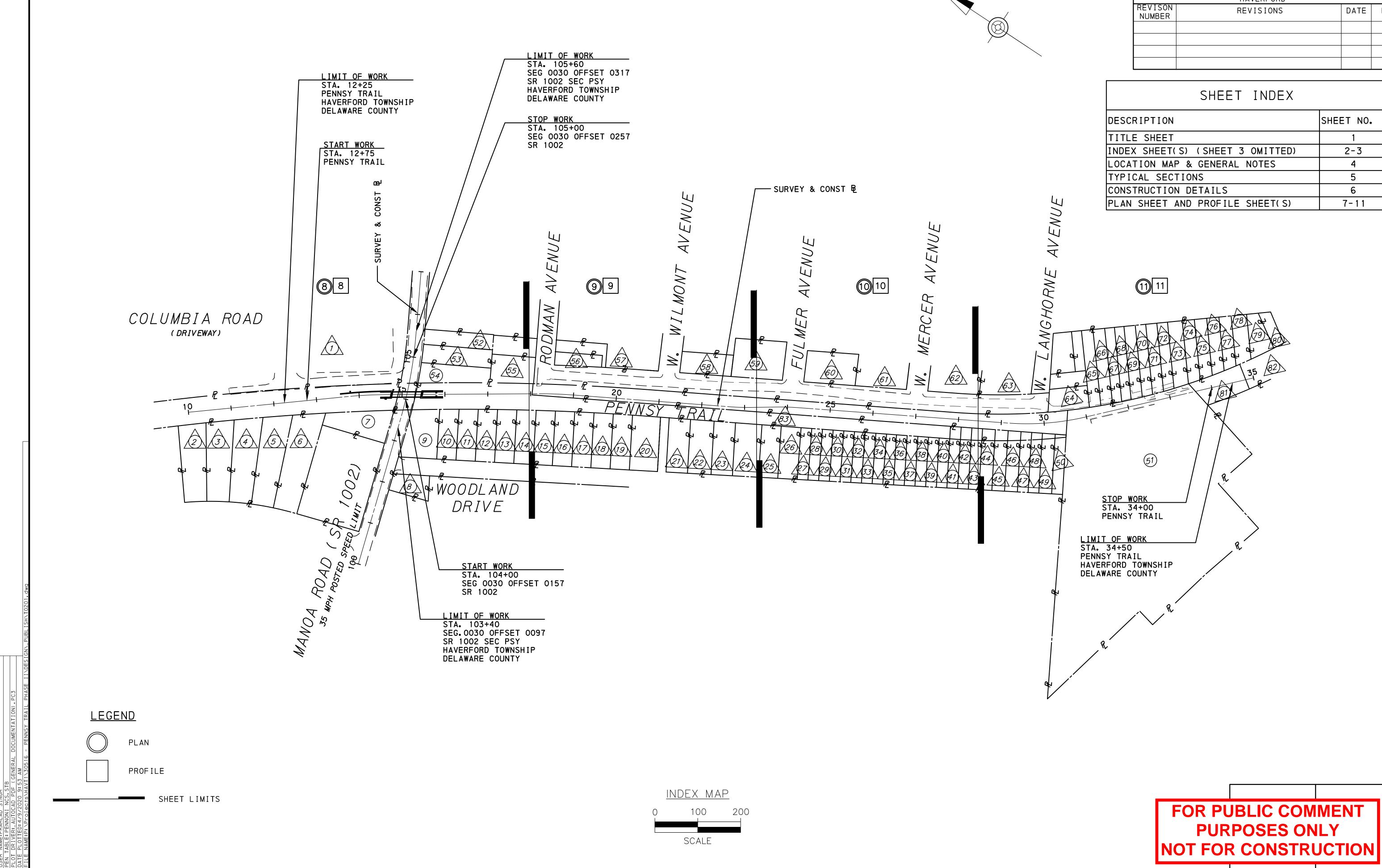


HAVERFORD TOWNSHIP

DRAWINGS FOR CONSTRUCTION OF PENNSY TRAIL - SECTION PSY IN <u>DELAWARE</u> COUNTY

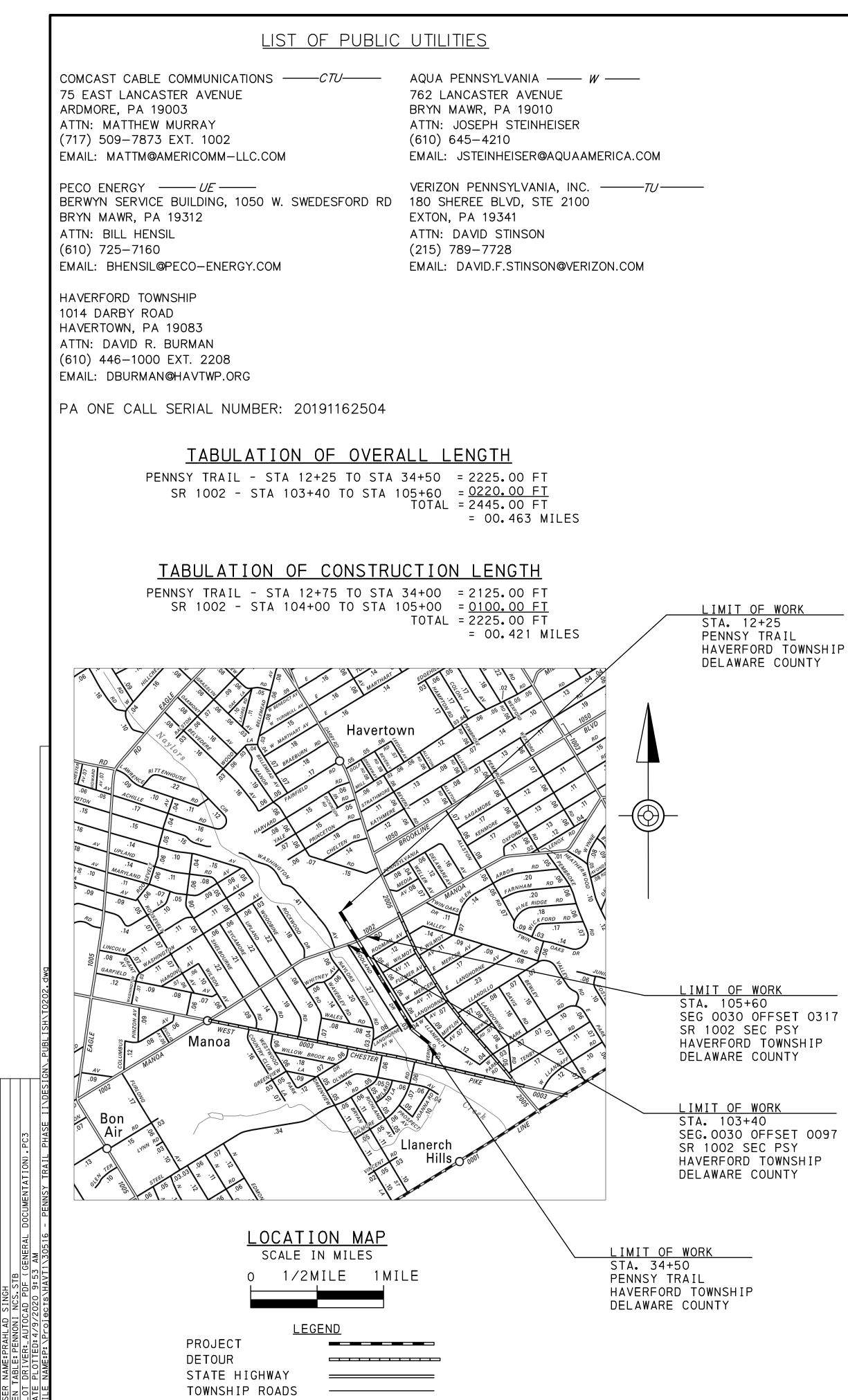
FROM STA <u>12+75</u> TO STA <u>34+00</u> LENGTH <u>2125</u> FT <u>0.403</u> MI

PREPARED BY: PENNONI ASSOCIATES INC	PENNSYLVANIA DEPT OF TRANSPORTATION
1900 MARKET ST., STE 300 PHILADELPHIA, PA 19103	RECOMMENDED DATE:
	DISTRICT EXECUTIVE
	R PUBLIC COMMENT
	FOR CONSTRUCTION
DATE:	



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	DISTRICT	COUNTY	ROUTE	SECTION	SHE	EET
	6-0	DELAWARE		PSY	20	F 11
	HAVERFORD					
	REVISON NUMBER	REVI	REVISIONS			

SHEET INDEX	
DESCRIPTION	SHEET NO.
TITLE SHEET	1
INDEX SHEET(S) (SHEET 3 OMITTED)	2-3
LOCATION MAP & GENERAL NOTES	4
TYPICAL SECTIONS	5
CONSTRUCTION DETAILS	6
PLAN SHEET AND PROFILE SHEET(S)	7-11



SUMMARY OF PROJECT COORDINATES

BASED ON THE PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (NAD 83 SOUTH ZONE)

ROUTE	STATION	POINT	COORD	INATES	BEARING
			NORTH	EAST	
	12+25.00	BEGIN	243495.8665	2653401.9190	
	13+70.15	PC	243386.0165	2653496.7947	S 40°49'00" E
TRAIL	14+62.80	PT	243313.1970	2653554.0207	
	19+29.64	PC	242933.1754	2653825.1706	S 35°30'30" E
ls≺	20+08.59	PT	242867.1613	2653868.4455	
PENNSY	29+16.08	PC	242089.1618	2654335.6292	S 30°59'04" E
	30+97.20	PT	241950.2159	2654450.7344	
	34+50.00	END	241715.4937	2654714.1190	S 48°17'36" E
1002	103+40.00	BEGIN	243248.8172	2653515.3705	
	103+49.46	PC	243251.8888	2653524.3163	N 71°02'59" E
SR	105+52.01	PT	243336.5535	2653707.9438	
N N	105+60.00	END	243340.6153	2653714.8240	N 59°26'40" E

NOTE: FOUR (4) DECIMAL PLACES ARE USED FOR COMPUTATIONAL PURPOSES ONLY AND DO NOT IMPLY PRECISION BEYOND TWO (2) DECIMAL PLACES.

SEGMENT EQUALITIES

SEG 0030 OFF 0097 = STA. 103+40 SEG 0030 OFF 0317 = STA. 105+60

SUMMARY OF TRANSVERSE CONTROL POINT COORDINATES

BASED ON THE PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (NAD 83 SOUTH ZONE)

CONTROL POINT	COOR	DINATES	
CONTROL FUINT	NORTH	EAST	DESCRIPTION
599	243596.4247	2653345.7754	IRS
601	243459.2142	2653495.1908	PKS
602	243142.6492	2653270.6573	PKS
603	243229.2657	2653613.3237	IRS
604	243118.3395	2653691.7571	STK
605	242906.9226	2653832.9551	STK
606	242615.1786	2654016.1329	STK
607	242444.9559	2654179.5145	PKS
608	242188.5722	2654329.6405	PKS
609	242028.5108	2654376.9459	STK
610	241896.6737	2654557.1175	PKS
611	241761.2171	2654620.2607	STK
612	241897.6417	2654432.1752	PKS
613	241685.5921	2654767.2554	PKS
614	242788.1815	2653947.1714	PAINT DOT

NOTE: FOUR (4) DECIMAL PLACES ARE USED FOR COMPUTATIONAL PURPOSES

ONLY AND DO NOT IMPLY PRECISION BEYOND TWO (2) DECIMAL PLACES.

EARTHWORK SUMMARY ENTIRE PROJECT THE INFORMATION ON ESTIMATED AMOUNTS OF EARTHWORK HAS BEEN USED IN THE PRELIMINARY ESTIMATE. DO NOT USE AS A WAIVER OF ANY PROVISIONS OF THE SPECIFICATIONS AND CONTRACTS. CUBIC YARDS CUBIC YARDS CUBIC CUBIC YARDS OF EXCAVATION

CLASS 1	CLASS 1A	CLASS 1B	CLASS 2	CLASS 3	EMBANKMENT *	EXCAVATION	WASTE
TBD		TBD		TBD	TBD	TBD	TBD

* INCLUDES ALL BORROW ITEMS

RECORD OF EXISTING ROAD TYPES

STATE	LIMITS OF C	ONSTRUCTION	PROPOSED CONSTRUCTION	EX
ROUTE	CONSTR. STA.	SEGMENT/OFFSET	EGMENT/OFFSET	
1002	103+60 TO 105+40	0030		HEAVY DUTY BIT. BIT. WEARI CRUSHED AGGR
	NOTE: THE DEPTHS	OF MATERIAL SHOWN	ARE FOR DESING PUPOSES ONLY. AN	NY RISK OF UNANTICIP

MATERIAL SHOWN ARE FOR DESING PUPOSES ONLY. ANY RISK OF UNANTICIPATED COSTS ASSOCIATED WITH DIFFERENCES BETWEEN THE LISTED DEPTHS AND THE ACTUAL DEPTHS SHALL BE ACCEPTED BY THE CONTRACTOR.

DISTRICT	COUNTY	ROUTE	SECTION	SHE	ст		
DISTRICT	COUNTI	NOUL	SECTION	311			
6-0	DELAWARE		PSY	40	F 11		
	HAVERFORD						
REVISON	REVI	ISIONS		DATE	ΒY		
NUMBER							

GENERAL NOTES

THE LEGAL RIGHT-OF-WAY ON MANOA ROAD IS 50 FEET WIDE BASED UPON THE DEEDS OF RECORD AT THE TIME OF SURVEY

CONSTRUCT PROJECT IN ACCORDANCE WITH PENNDOT PUBLICATION 408 SPECIFICATION, DATED 2020.

DETAILS, OTHER THAN THOSE INDICATED ARE ON THE FOLLOWING STANDARD DRAWINGS:

RC-10M, JUNE 1, 2010	RC-61M, JUNE 1, 2010
RC-11M, JUNE 1, 2010	RC-64M, JUNE 1, 2010
RC-12M, FEB 8, 2019	RC-67M, DEC 17, 2019
RC-13M, JUNE 1, 2010	RC-70M, FEB 8, 2019
RC-27M, JUNE 1, 2010	RC-72M, FEB 8, 2019
RC-30M, DEC 19, 2019	RC-73M, FEB 8, 2019
RC-39M, SEPT 15, 2016	RC-77M, DEC 17, 2019
RC-45M, SEPT 15, 2016	RC-91M, DEC 17, 2019
RC—45M, SEPT 15, 2016 RC—46M, SEPT 15, 2016 RC—60M, JUNE 1, 2010	RC-91M, DEC 17, 2019 RC-92M, JUNE 1, 2010

TRAFFIC SIGNAL STANDARDS, TC-8800 SERIES

DO NOT INTERFERE WITH THE OPERATION OF ANY FIRE HYDRANT, FIRE CALL BOX OR POLICE CALL BOX.

THREE WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE PA ONE CALL SYSTEM, INC., PHONE 1-800-242-1776, SERIAL NO. 20191162504 FOR TOWNSHIP OF HAVERFORD.

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON PA STATE PLANE COORDINATE SYSTEM (SOUTH ZONE) N.A.D. 1983.

THE VERTICAL DATUM FOR THIS PROJECT IS N.A.V.D. 1988 AS ESTABLISHED.

INSTALL TOPSOIL AND SEEDING AND SOIL SUPPLEMENTS - FORMULA B ON LAWN AREAS AND ALL AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE NOTED.

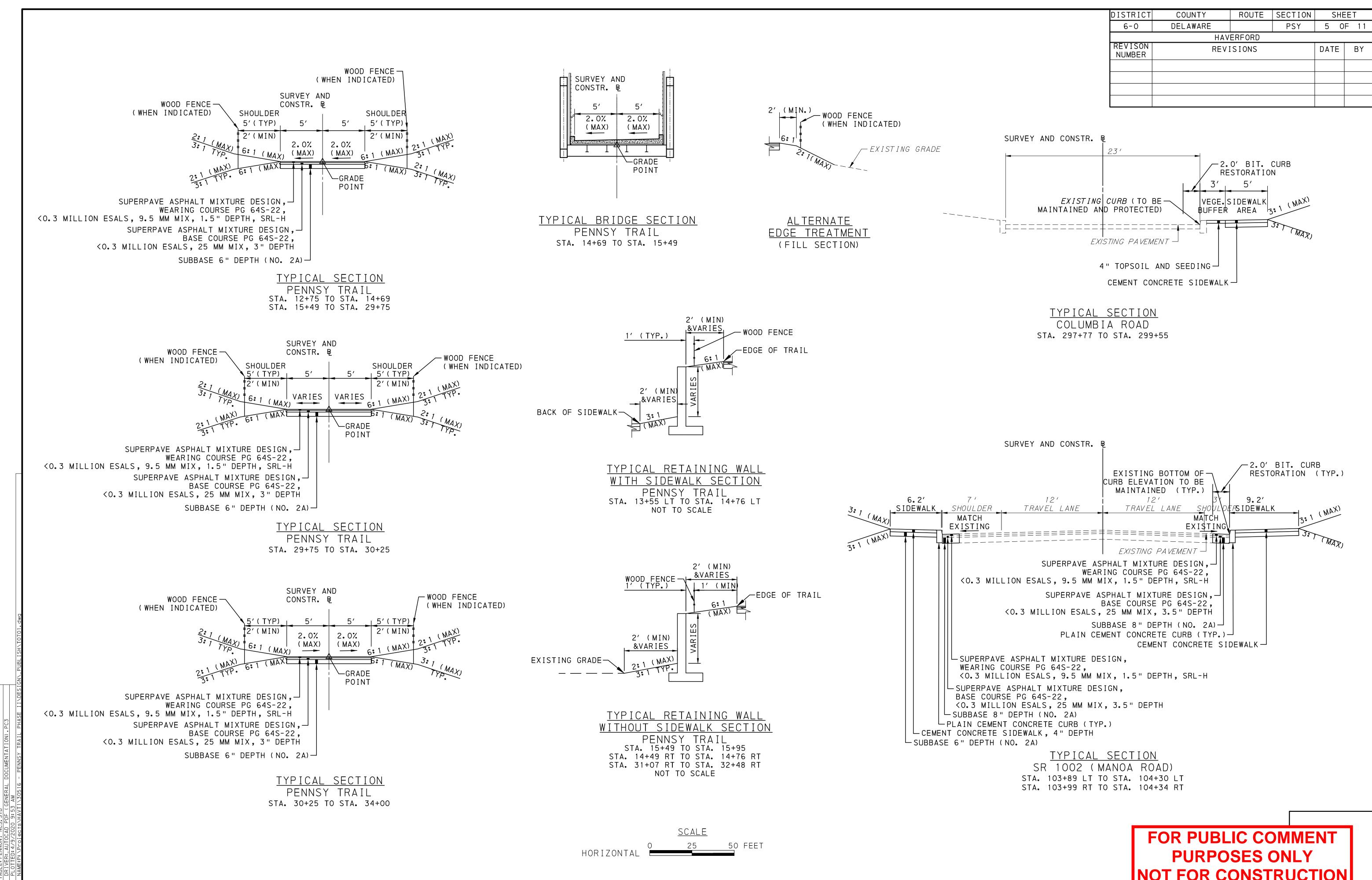
THIS IS A FEDERAL-AID PROJECT AND AS SUCH IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF THE FEDERAL HIGHWAY ADMINISTRATION, THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION AND THE TOWNSHIP OF HAVERFORD.



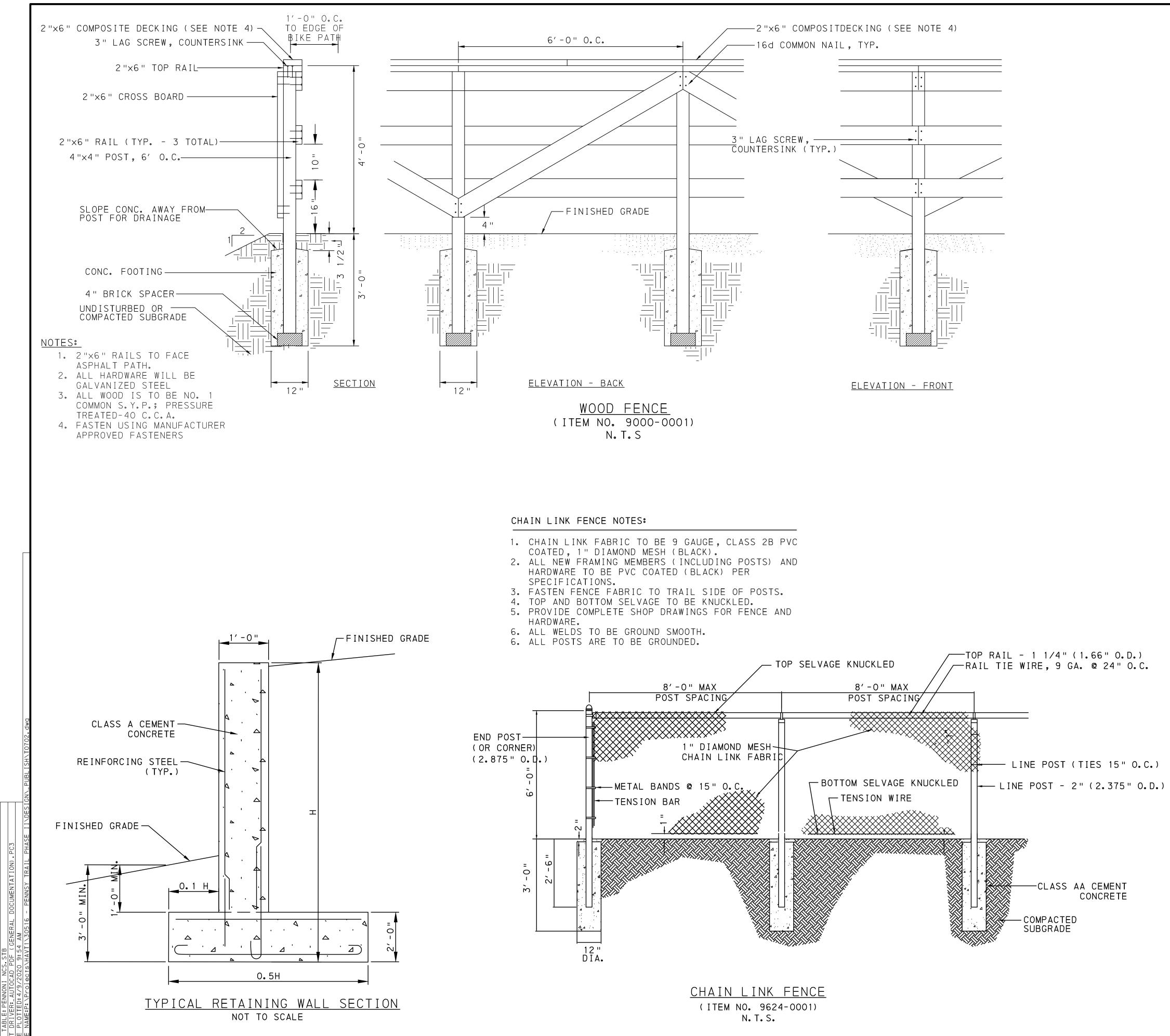
FOR PUBLIC COMMENT **PURPOSES ONLY** NOT FOR CONSTRUCTION

EXISTING PAVEMENT

WEARING COURSE ID-2 (1.5 IN) RING COURSE ID-2 (3.5 IN) REGATE BASE COURSE (8" IN)



NOT FOR CONSTRUCTION



COUNTY	ROUTE	SECTION	SHE	EET		
DELAWARE		PSY	60	F 11		
HAVERFORD						
REVISIONS		DATE	BY			
	DELAWARE HAV	DELAWARE HAVERFORD	DELAWARE PSY HAVERFORD	DELAWARE PSY 6 0 HAVERFORD		

FOR PUBLIC COMMENT **PURPOSES ONLY** NOT FOR CONSTRUCTION

