

April 28, 2026

Rosemary Chiavetta, Secretary
Commonwealth of Pennsylvania
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17105-3265

C-2020-3016906

RE RE: Bureau of Investigation & Enforcement v.
Reading Blue Mountain and Northern Railroad,
Docket No. C-2020-3016906
I&E Compliance Demand

Crossing Surface Construction Plan

Dear Secretary Chiavetta,

A copy of the PennDOT approved crossing construction plans for the public crossing (DOT 361 425J) has been served upon the parties in the Certificate of Service.

Sincerely,

A handwritten signature in black ink, appearing to read "Jolene F. Busher", with a long horizontal flourish extending to the right.

Jolene F. Busher

CC: Grant Rosul, I&E Prosecutor *via email only*
William M. Sinick, P.E., Rail Safety Division *via email only*
John Pfeiffer, PennDOT Dist 4 -0 *via email only*

Certificate of Service

I hereby certify that I have this day served a true and correct copy of the foregoing Request for Extension upon parties of record in this preceding in accordance with the requirements of 52 PA Code 1.54 (relating to service by a participant), in the manner and upon persons listed below.

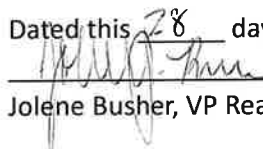
Rosemary Chiavetta, Secretary
Commonwealth of Pennsylvania
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17105-3265

Grant Rosul, Prosecutor
Pennsylvania Public Utility Commission
grosul@pa.gov

William M. Sinick, P.E., Rail Safety Division
wilsinick@pa.gov

John Pfeiffer, PennDOT District 4-0
jopfeiffer@pa.gov

Dated this 28 day of April, 2026.



Jolene Busher, VP Real Estate, Reading Blue Mountain & Northern Railroad

VERIFICATION

I, Jolene F. Busher, hereby state that the facts above set forth are true and correct (or are true and correct to the best of my knowledge, information and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: April 28, 2026

(Signature) 

DISTRICT	COUNTY	TOWNSHIP	BOROUGH	ROUTE	SECTION	TOTAL SHEETS
4 - 0	LUZERNE	PITTSTON	----	2019	----	29

COMMONWEALTH OF PENNSYLVANIA



DEPARTMENT OF TRANSPORTATION

DRAWINGS

FOR

CONSTRUCTION

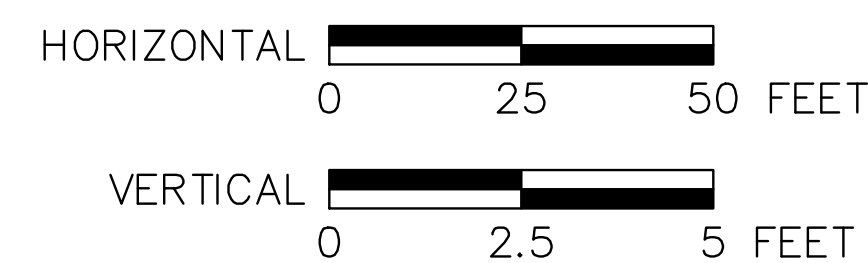
OF

STATE ROUTE 2019 SECTION —

IN LUZERNE COUNTY

FROM STA. 3+18 TO STA. 5+43 LENGTH 225 FT. 0.04 MI.
 FROM SEG. 0010 OFFSET 1932 TO SEG. 0010 OFFSET 1707

SCALE



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DESIGN DESIGNATION S.R. 2019

HIGHWAY CLASSIFICATION — MAJOR ARTERIAL
 ROADWAY TYPOLOGY — RURAL ARTERIAL
 DESIGN SPEED — 35 MPH
 PAVEMENT WIDTH — 37'
 SHOULDER WIDTH — N/A

TRAFFIC DATA

CURRENT A.D.T. (2023) — 11,464
 DHV — 1,571
 D — 52%
 T — 6%
 TRUCKS — 9%

PREPARED BY: 112 N. Lewis Road - Royersford, PA 19468 Phone: 610-948-8947 - Email: mbercek@bercekkassociates.com	RECOMMENDED	DATE: _____
		DISTRICT EXECUTIVE
April 7, 2026 - Plan No. B-24-188-PD 	RECOMMENDED	DATE: _____
		DEPUTY SECRETARY
	APPROVED	DATE: _____
	SECRETARY OF TRANSPORTATION	
	(ON BEHALF OF THE GOVERNOR AS WELL AS THE SECRETARY)	

TABULATION OF CONSTRUCTION LENGTH

S.R. 2019

STA. 3+18.00 TO STA. 5+43.00 = 225.00' = 0.04 MI.

TABULATION OF OVERALL LENGTH

S.R. 2019

SEG. 0010 OFFSET 1707 TO OFFSET 1932 = 225.00' = 0.04 MI.

LIST OF STATION EQUALITIES

NONE

RECORD OF EXISTING ROAD TYPES

SEG	BEGIN OFFSET	END OFFSET	LAYER YEAR	LAYER WIDTH	LAYER DEPTH	LAYER DESCRIPTION
0010	1707	1932	2016	37"	+1.50	SPAV, WMA WRG, 64-22, 9.5 MM, H
			2016	37"	+0.50	SPAV, WMA WGRSCRC, 64-22, 9.5 MM
			2016	37"	-2.00	MILLING (AVERAGE DEPTH)
			2002	37"	+1.50	SPAV, HMA WRG, 9.5 MM, E
			2002	37"	-1.50	MILLING (AVERAGE DEPTH)
			1988	24"	+1.50	SCRATCH BIT WEAR COURSE ID-2
			1972	24"	+1.25	BITUMINOUS WEARING CRSE ID-2
			1964	24"	+2.50	BITUMINOUS WEARING CRSE ID-2
			1964	24"	+10.00	CRUSHED AGGREGATE BASE CRSE
			1964	24"	-	DRAINABLE BASE-NO EDGE DRAIN

NOTE: THE DEPTHS OF MATERIAL SHOWN ARE FOR DESIGN PURPOSES ONLY. ANY RISK OF UNANTICIPATED COSTS ASSOCIATED WITH DIFFERENCES BETWEEN THE LISTED DEPTHS AND THE ACTUAL DEPTHS SHALL BE ACCEPTED BY THE CONTRANCTOR.



LIST OF PUBLIC UTILITIES

CABLE PROTECTION SERVICES INC
PO BOX 4816
MIDLOTHIAN, VA. 23112
CONTACT: DEBBIE KING
EMAIL: debbie_king@cableps.com
PHONE: 804-562-3409

UGI UTILITIES INC
1 UGI DR
WILKES BARRE, PA. 18711
CONTACT: AMANDA NIXON
EMAIL: anixon@ugi.com
PHONE: 570-829-8874

PPL ELECTRIC UTILITIES CORPORATION
437 BLUE CHURCH RD
PAXINOS, PA. 17860
CONTACT: DOUG HAUPT
EMAIL: dlhaupt@pplweb.com
PHONE: 570-490-5684

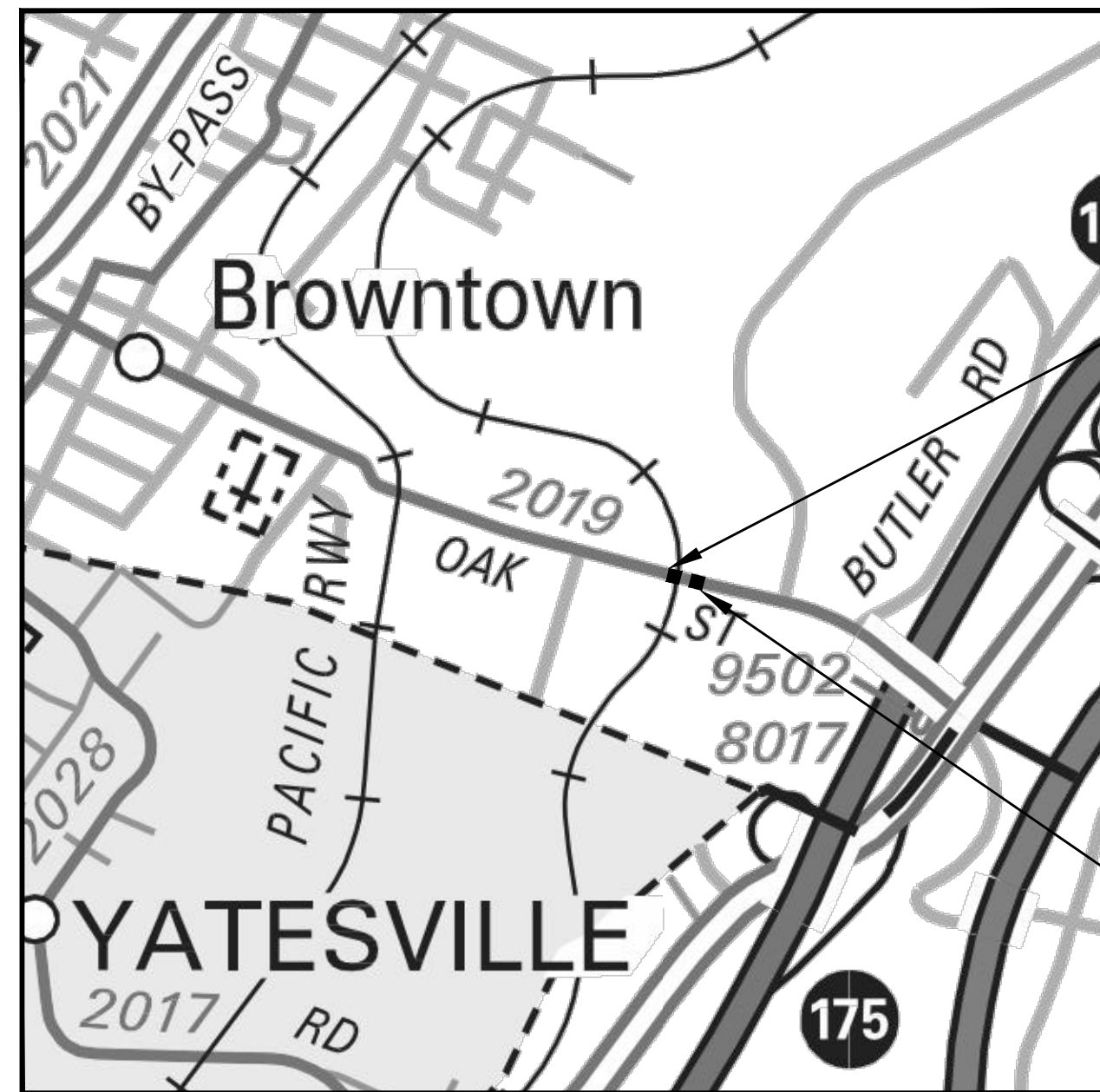
VERIZON PENNSYLVANIA LLC
222 S. MAIN STREET
WILKES BARRE, PA. 18701
CONTACT: JACKIE HASSI
EMAIL: jacqueline.a.stanton@verizon.com
PHONE: (570) 290-2844

LUMEN FORMERLY LEVEL 3
931 14TH ST
DENVER, CO. 80202
CONTACT : LUMEN OPERATOR PERSONNEL
EMAIL: relocations@lumen.com
PHONE: 877-366-8344 EXT. 3

PITTSTON TOWNSHIP SEWER AUTHORITY
421 BROAD ST
PITTSTON TOWNSHIP, PA. 18640
CONTACT: JAMES HASTIE
EMAIL: ptsewer@comcast.net
PHONE: 570-655-8747

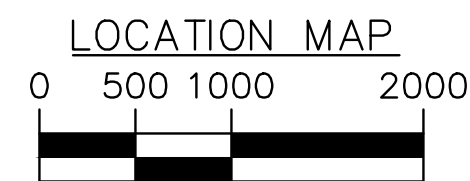
UGI UTILITIES INC
1 UGI DR
DENVER, PA. 17517
CONTACT: JAMES MAY
EMAIL: jmay@ugi.com
PHONE: 610-736-5994

PENNSYLVANIA AMERICAN WATER
2699 STAFFORD AVE
SCRANTON, PA. 18505
CONTACT: LISA ABDO
EMAIL: lisa.abdo@amwater.com
PHONE: 570-969-7501



LIMIT OF WORK
STA. 3+18
SEG. 0010 OFFSET 1932
S.R. 2019
PITTSTON TOWNSHIP
LUZERNE COUNTY

LIMIT OF WORK
STA. 5+43
SEG. 0010 OFFSET 1707
S.R. 2019
PITTSTON TOWNSHIP
LUZERNE COUNTY



LEGEND

	PROJECT
	INTERSTATE
	STATE ROAD
	TOWNSHIP ROAD
	RAILROAD

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	2019	----	02 OF 29

GENERAL NOTES

THE BASIS OF LEGAL RIGHT-OF-WAY ON SR 2019 FROM STATION 3+15.00 TO STATION 5+43.00 IS 40'. BASED ON ROAD DOCKET 1, PAGE 223 IN LUZERNE COUNTY COURTHOUSE, WILKES BARRE, PA. CONFIRMED JANUARY 1851.

THERE ARE NO NAVIGABLE STREAMS ON THIS PROJECT.

THREE TO TEN WORKING DAYS PRIOR TO EXCAVATION BASED ON THE COMPLEXITY OF THE PROJECT, THE CONTRACTOR MUST CONTACT THE PA ONE CALL SYSTEM, INC., PHONE 1-800-242-1776, SERIAL NUMBER 20260500667 FOR PITSTON TOWNSHIP. ADDITIONAL INFORMATION IS AVAILABLE AT <https://www.pa1call.org/PA811/Public/>.

ALL UTILITY INFORMATION SHOWN IS APPROXIMATE AND IS BASED ON INFORMATION PROVIDED BY THE UTILITY COMPANIES AND/OR OBTAINED DURING FIELD SURVEY.

CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE WORK SITE.

THE DEPARTMENT OF TRANSPORTATION DOES NOT GUARANTEE THE ACCURACY OR THE LOCATIONS FOR EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN ON THE PLANS, NOR DOES THE DEPARTMENT GUARANTEE ALL SUBSURFACE STRUCTURES ARE SHOWN.

THE CONTRACTOR IS REQUIRED TO NOTIFY THE DEPARTMENT AND SUBMIT AN ALLEGED VIOLATION REPORT (AVR) TO THE PA PUBLIC UTILITY COMMISSION THROUGH THE PA ONE CALL SYSTEM, WWW.PA1CALL.ORG WITHIN TEN (10) BUSINESS DAYS AFTER A UTILITY LINE IS STRUCK, DAMAGED, OR PREVIOUS DAMAGE IS DISCOVERED AS REQUIRED BY PENNSYLVANIA'S UNDERGROUND UTILITY LINE PROTECTION LAW ACT 50 (P.L. 852, NO 287, AMENDED OCT. 30, 2017)

S.R. 2019 PREVIOUSLY KNOWN AS L.R. 40047.

BEARINGS ARE BASED ON GRID NORTH.

HORIZONTAL CONTROL IS BASED ON THE STATE PLANE COORDINATE SYSTEM (NAD 83), NORTH ZONE.

VERTICAL CONTROL IS BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

ALL CURVE DATA IS BASED ON ARC DEFINITION UNLESS OTHERWISE NOTED.

PRIVATE PROPERTY LINES ARE PLOTTED FROM THE DEED OF RECORD, RECORDED SUBDIVISION OR LOT PLANS, EXISTING TOPOGRAPHICAL FEATURES AND LIMITED FIELD DATA. PRIVATE PROPERTY LINES WERE NOT SURVEYED BY THE PROFESSIONAL LAND SURVEYOR RESPONSIBLE FOR THE PROJECT.

FOR THE PROPOSED OAK STREET RECONSTRUCTION SHOWN ON THESE PLANS, RIGHT-OF-WAY NEEDS SHALL BE ADDRESSED PRIOR TO THE START OF CONSTRUCTION. THE OAK STREET RECONSTRUCTION REQUIRES WORK OUTSIDE OF THE EXISTING 40' WIDE LEGAL RIGHT-OF-WAY OF OAK STREET. TEMPORARY CONSTRUCTION EASEMENTS ARE REQUIRED ON THE PROPERTY OF HPHH LEHIGH VALLEY 1120 LLC (PIN: 51-E12-00A-01Y-000) AND THE PROPERTY OF NAMA STATE LP (PIN: 51-F12-001-10B-000).

TEMPORARY CONSTRUCTION EASEMENT. AN EASEMENT TO USE THE LAND AS NECESSARY DURING CONSTRUCTION OF THE PROJECT. THE EASEMENT IS REQUIRED ONLY UNTIL THE CONSTRUCTION OR WORK INDICATED BY THE PLAN IS COMPLETED, UNLESS SOONER RELINQUISHED IN WRITING BY THE DEPARTMENT.

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

RC-10M	JUNE 1, 2010	TC-8600 SERIES	JUNE 13, 2013
RC-13M	JUNE 1, 2010	TC-8700 SERIES	JUNE 13, 2013
RC-25M	NOV. 20, 2021	TC-8702B	JUNE 13, 2013
RC-28M	NOV. 1, 2022	TC-8716	JUNE 13, 2016
RC-30M	NOV. 30, 2021	TC-8717	JUNE 13, 2023
RC-45M	FEB. 19, 2021		
RC-46M	FEB. 19, 2021		
RC-64M	FEB. 19, 2021		
RC-70M	FEB. 8, 2019		
RC-72M	FEB. 8, 2019		
RC-73M	FEB. 8, 2019		
RC-77M	DEC. 17, 2019		

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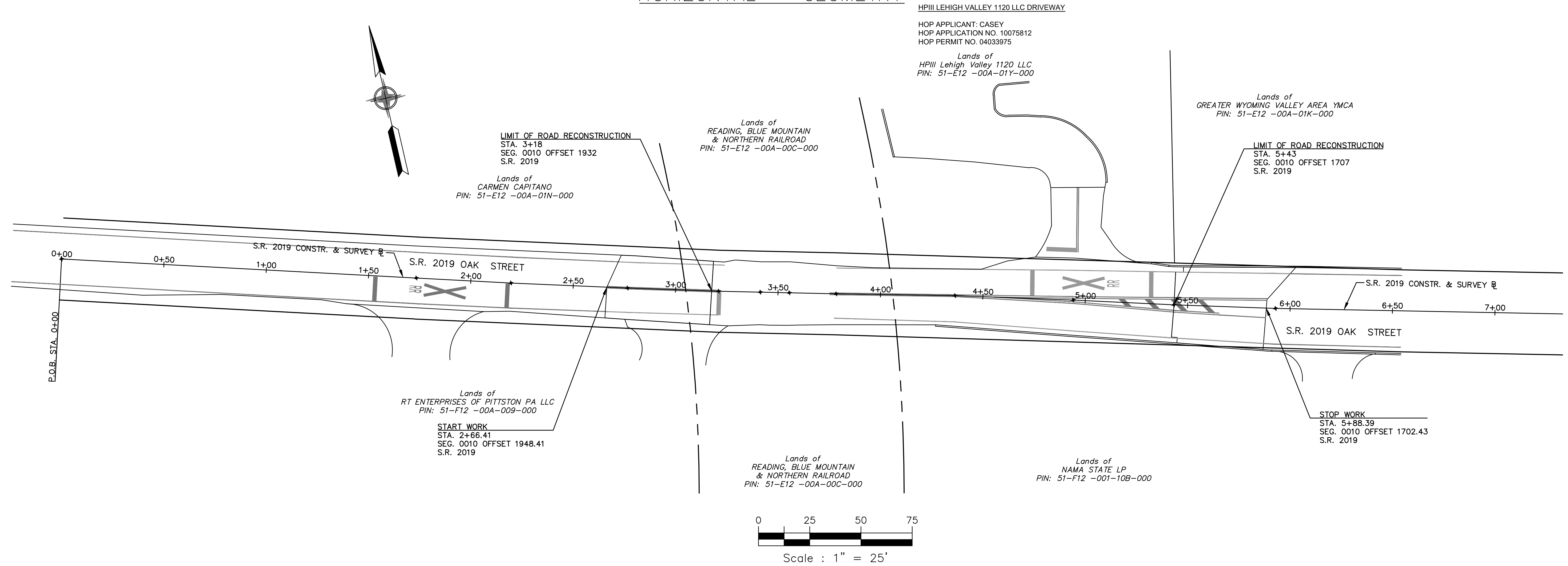
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EARTH WORK SUMMARY ENTIRE PROJECT									
THE INFORMATION ON ESTIMATED AMOUNTS OF EARTHWORK HAS BEEN USED IN THE PRELIMINARY ESTIMATE. DO NOT USE AS A WAIVER OF ANY PROVISIONS OF THE SPECIFICATIONS AND CONTRACTS.									
CUBIC YARDS OF EXCAVATION						CUBIC YARDS OF COMPLETED EMBANKMENT	CUBIC YARDS OF BORROW EXCAVATION	CUBIC YARDS OF SELECT BORROW	CUBIC YARDS OF WASTE
CLASS 1	CLASS 1A	CLASS 1B	CLASS 2	CLASS 3	CLASS 4				
-	-	-	-	-	-	-	-	-	-



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	03 OF 29
TOWNSHIP OF PITTSSTON				
REVISION NUMBER	REVISIONS	DATE	BY	
1	PER PENNDOT REVIEW EMAIL OF 04-13-2026	04-20-2026	GK	

HORIZONTAL GEOMETRY



SUMMARY OF BASELINE PROJECT COORDINATES

BASED ON THE PA STATE PLANE COORDINATE SYSTEM
NORTH ZONE - NAD 83 (2011)

RTE.	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
S. R. 2019 CONST. BL.	0+00.00	POB	422154.2134	2511858.0912	
	1+73.40	PI	422109.1128	2512025.5235	S74°55'27"E
	2+19.65	PI	422097.1411	2512070.1957	S74°59'52"E
	2+76.58	PI	422082.9021	2512125.3223	S75°31'02"E
	3+21.10	PI	422072.1411	2512168.5146	S76°00'36"E
	3+78.43	PI	422058.9692	2512224.3106	S76°43'02"E
	4+36.43	PI	422046.0645	2512280.8636	S77°08'45"E
	4+94.14	PI	422031.9738	2512336.8184	S75°51'56"E
	5+43.35	PI	422019.4478	2512384.4132	S75°15'19"E
	5+92.96	PI	422007.4258	2512432.5448	S75°58'33"E
	7+00.00	PI	421983.1599	2512536.7969	S76°53'49"E

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

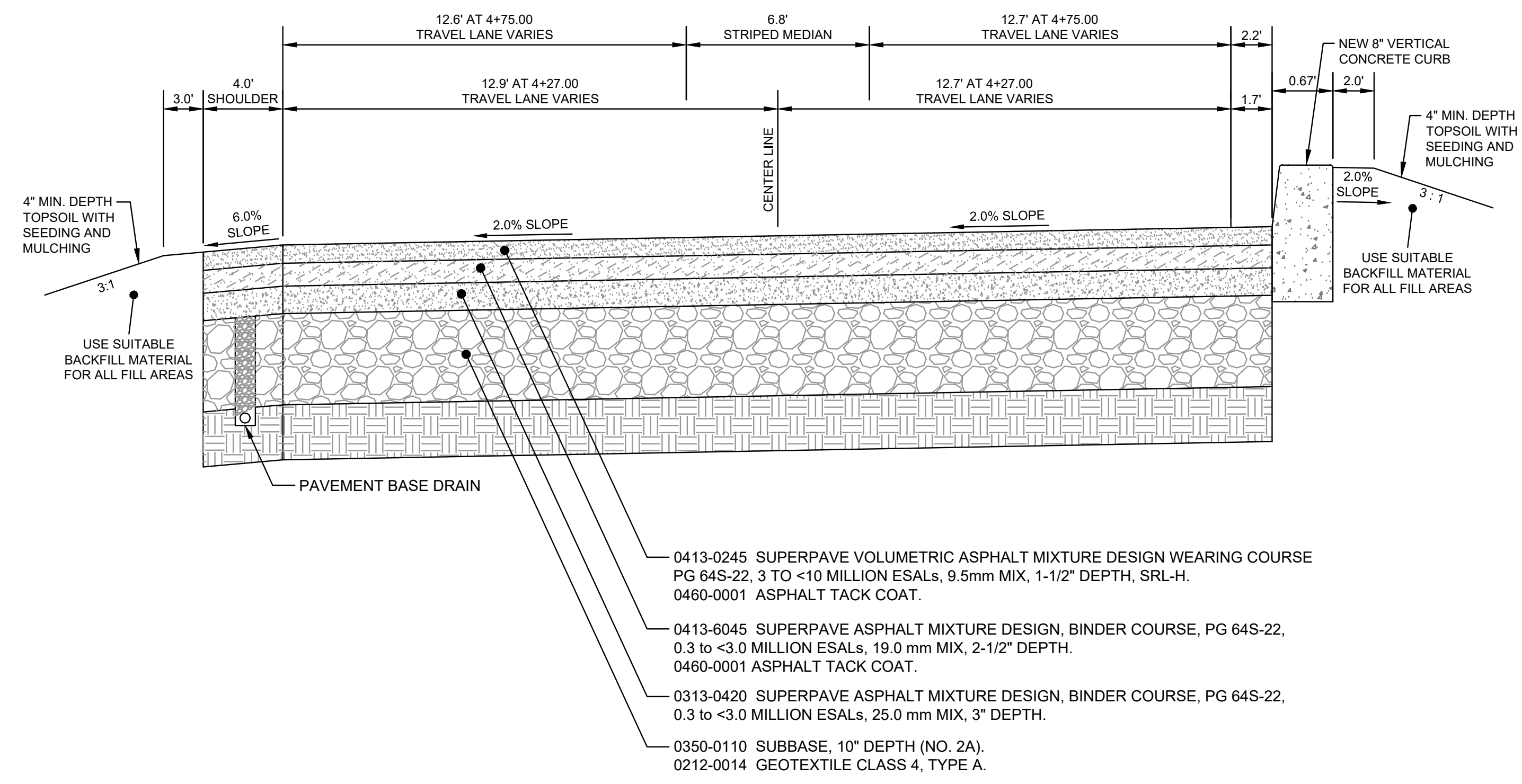
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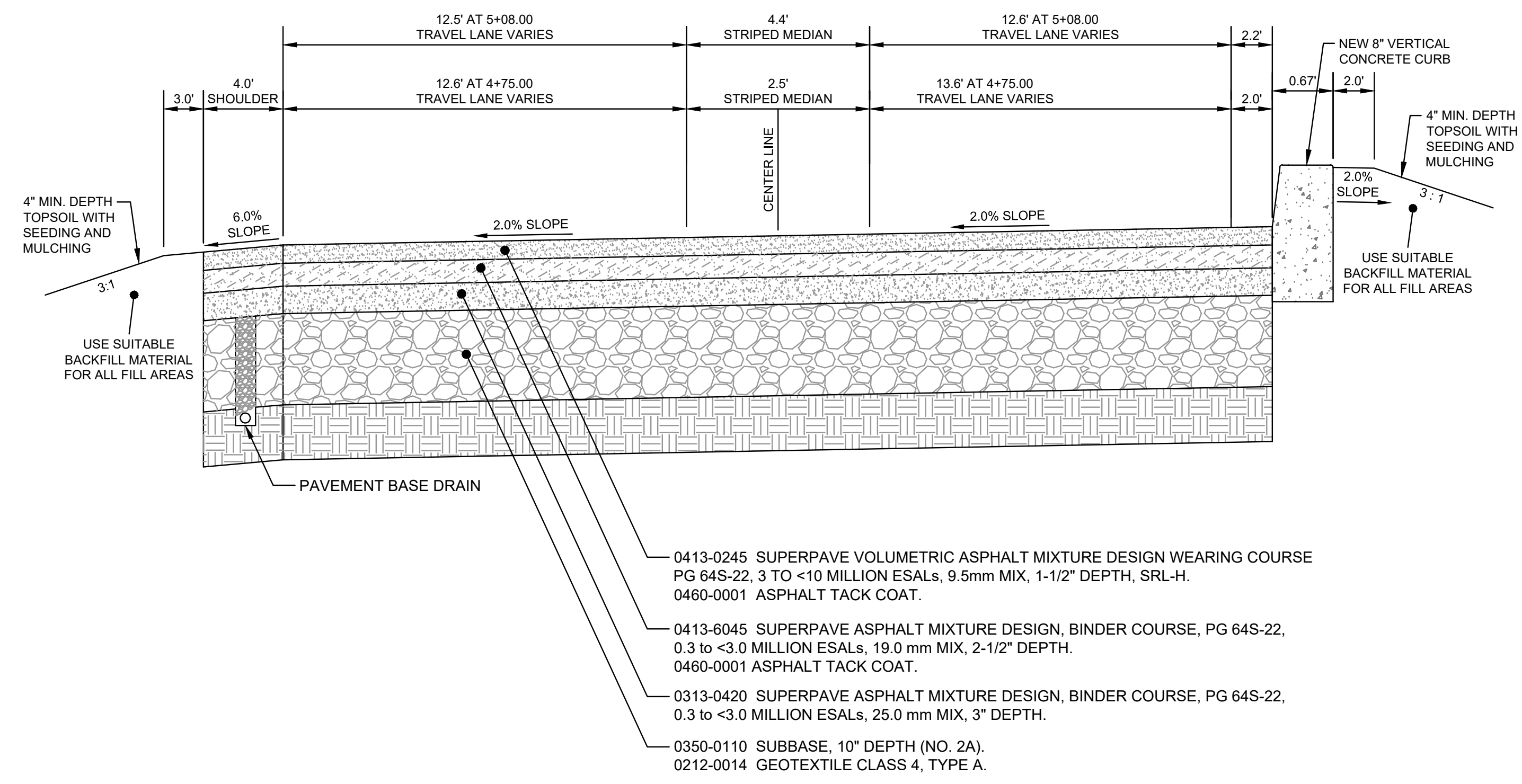
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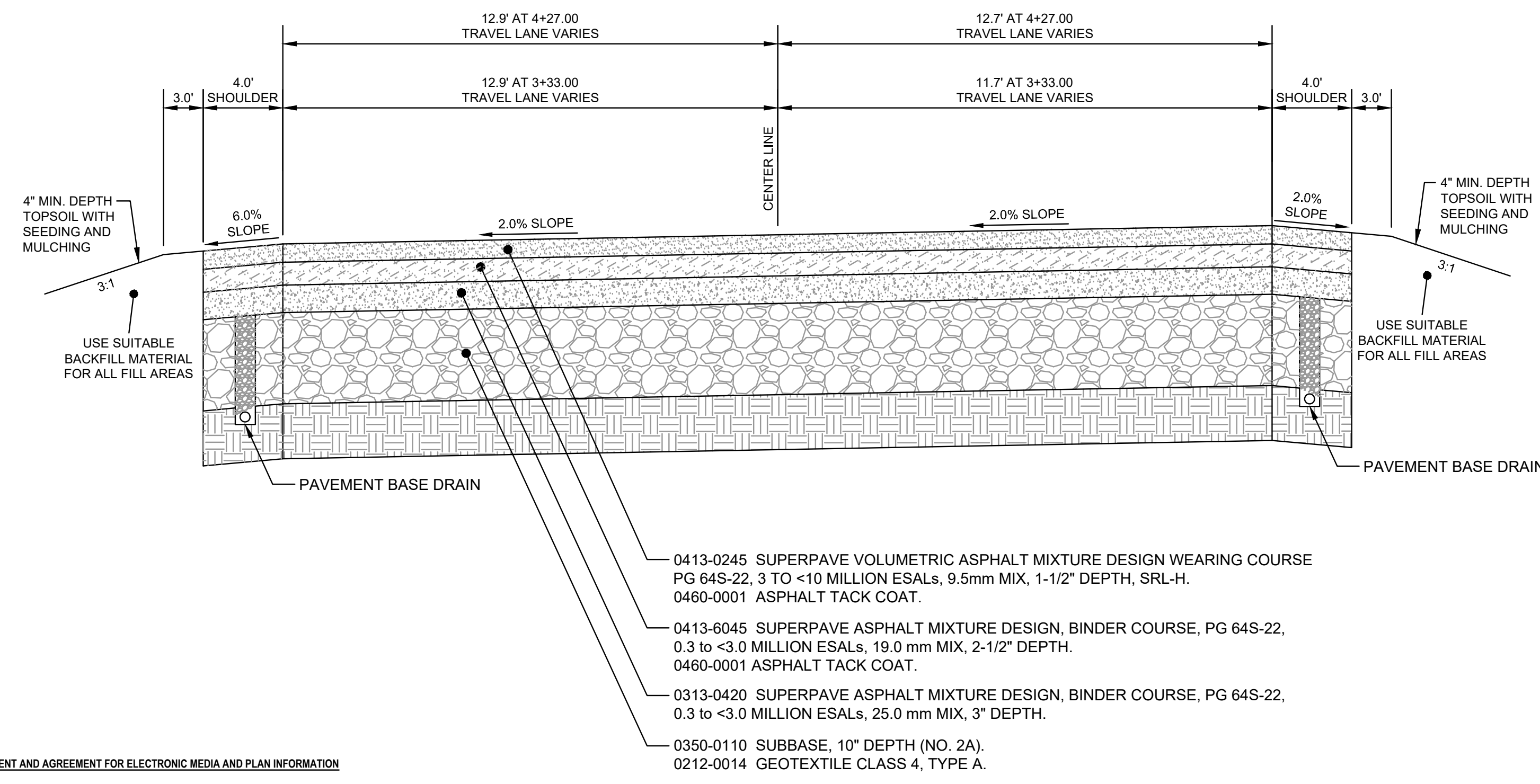
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	04 OF 29
TOWNSHIP OF PITTSSTON				
REVISION NUMBER	REVISIONS	DATE	BY	
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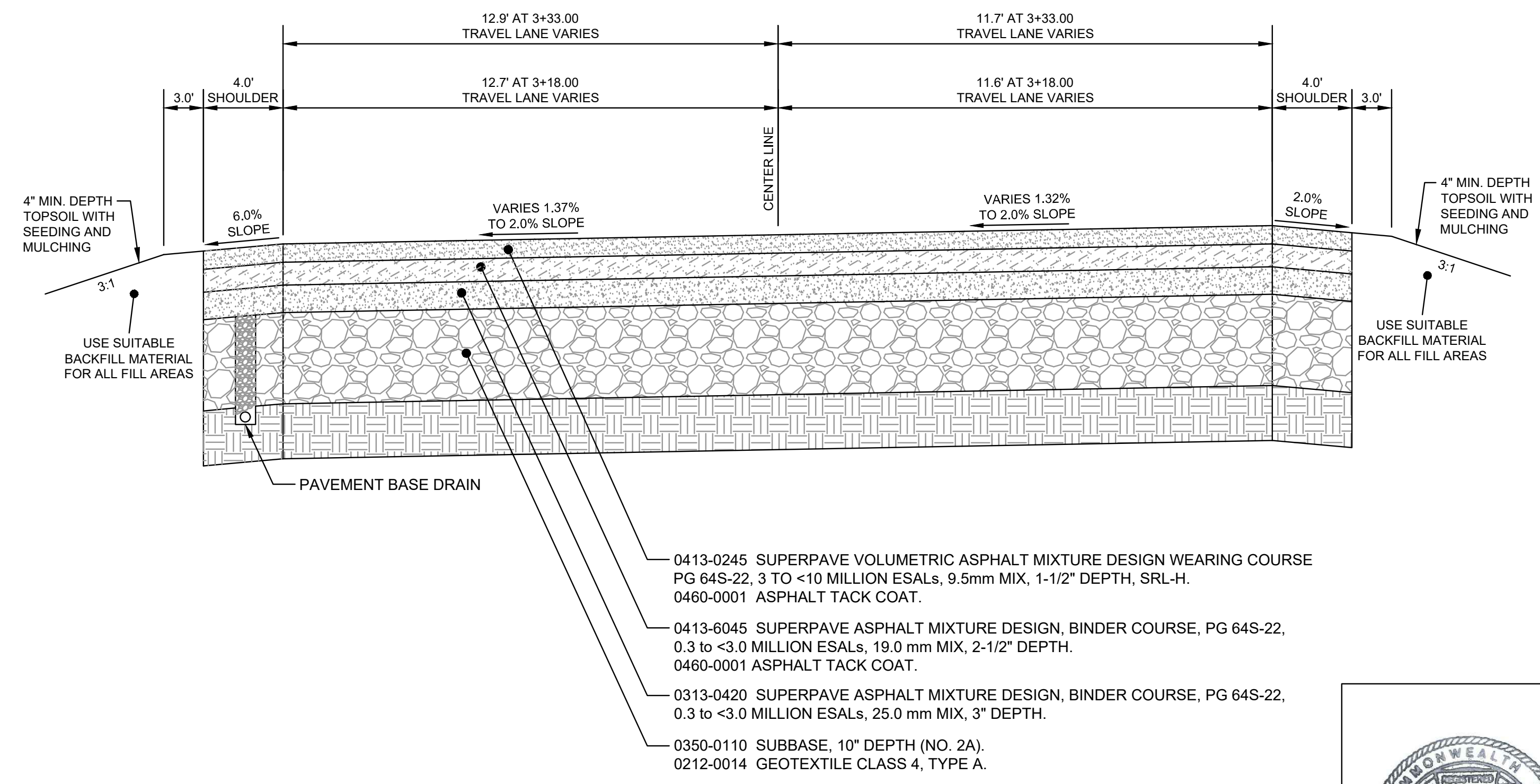
S.R. 2019 TYPICAL
 N.T.S.
 (SUPER ELEVATED SECTION, CURB ON RT. SIDE ONLY)
 STA. 4+27.00 TO 4+75.00



S.R. 2019 TYPICAL
 N.T.S.
 (SUPER ELEVATED SECTION, CURB ON RT. SIDE ONLY)
 STA. 4+75.00 TO 5+08.00



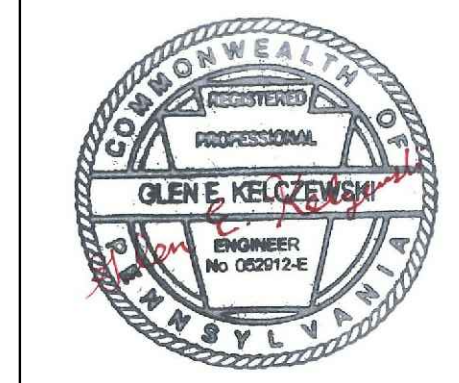
S.R. 2019 TYPICAL
 N.T.S.
 (SUPER ELEVATED SECTION, NO CURB)
 STA. 3+33.00 TO 4+27.00



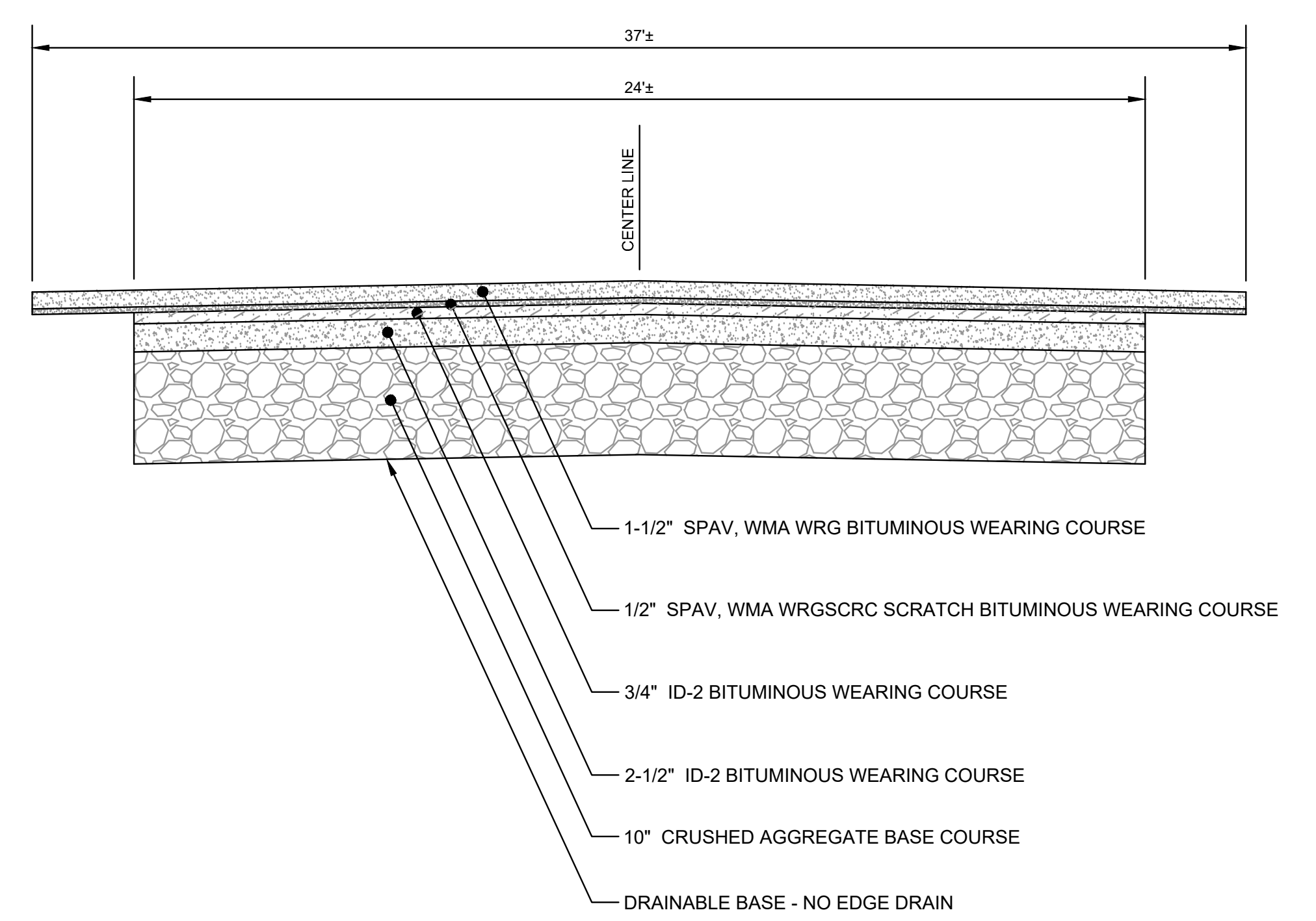
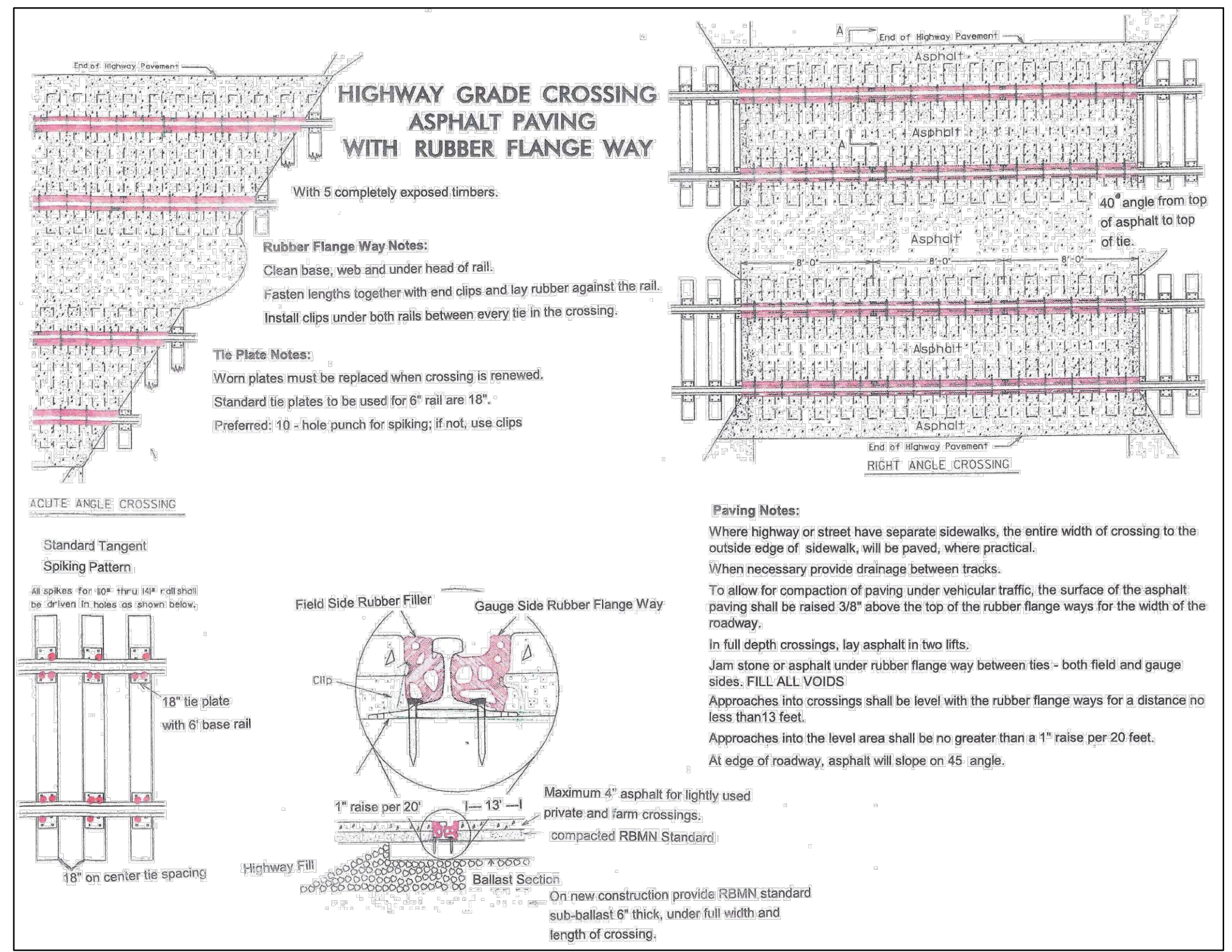
S.R. 2019 TYPICAL
 N.T.S.
 (TRANSITION FROM EXISTING TO SUPER ELEVATED SECTION)
 STA. 3+18.00 TO 3+33.00

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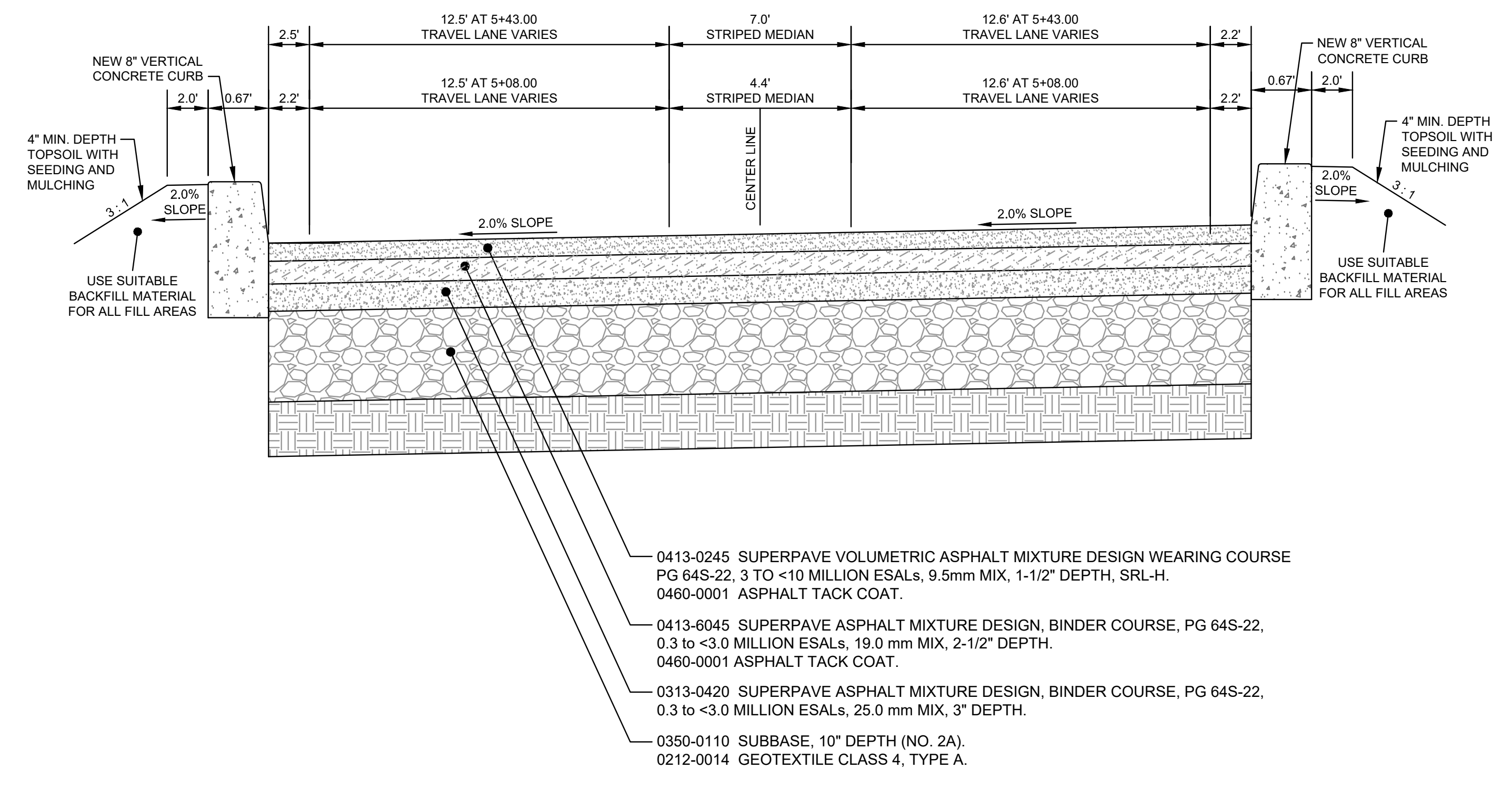
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	05 OF 29
TOWNSHIP OF PITTSSTON				
REVISION NUMBER	REVISIONS	DATE	BY	
1	PER PENNDOT REVIEW EMAIL OF 04-13-2026	04-20-2026	GK	



S.R. 2019 EXISTING PAVEMENT STRUCTURE
N.T.S.
STA. 3+18.00 TO 5+43.00



S.R. 2019 TYPICAL
N.T.S.
(TRANSITION FROM SUPER ELEVATED TO EXISTING SECTION)
STA. 5+08.00 TO 5+43.00

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ROAD - ROADWAY/CURBING
DRAIN - DRAINAGE/PAVEMENT BASE DRAIN
◆ - SEE SPECIAL PROVISIONS

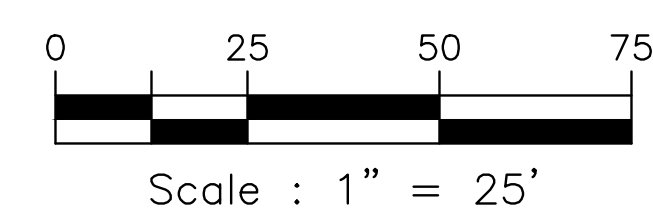
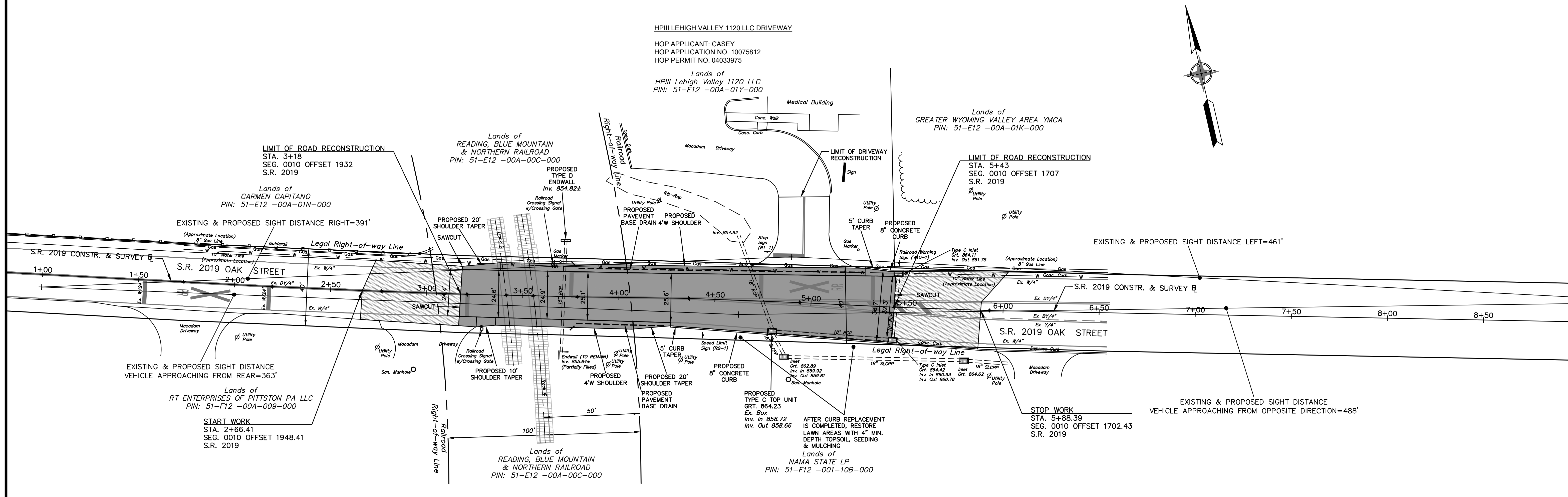
SUMMARY

SPMP - SIGNING AND PAVEMENT MARKING PLAN
E & S - EROSION AND SEDIMENT POLLUTION CONTROL PLAN

QUANTITY	ITEM NO.	DESCRIPTION	DESIGN NO.	FOR TAB SEE SHEET	QUANTITY	ITEM NO.	DESCRIPTION	DESIGN NO.	FOR TAB SEE SHEET	QUANTITY	ITEM NO.	DESCRIPTION	DESIGN NO.	FOR TAB SEE SHEET	QUANTITY	ITEM NO.	DESCRIPTION	DESIGN NO.	FOR TAB SEE SHEET
	UNIT					UNIT					UNIT					UNIT			
X	0201 0001 LS	CLEARING AND GRUBBING		NO TAB	1	0633 0200 EACH	CONCRETE WASHOUT FACILITY (INCIDENTAL TO PLAIN MOUNTABLE CURB TYPE A)		E & S	X	9000 5102 LS	ELECTRONIC TICKETING (E-TICKETING) FOR CONSTRUCTION ASPHALT		NO TAB					
120	0203 0001 CY	CLASS 1 EXCAVATION		ROAD	X	0686 0050 LS	CONSTRUCTION SURVEYING, TYPE D		NO TAB	125	9000 9059 SY	DRIVEWAY ADJUSTMENT, TYPE 1		ROAD					
146	0203 0004 CY	CLASS 1B EXCAVATION		ROAD	X	0689 0005 LS	CPM SCHEDULE WITH UPDATES		NO TAB										
63	0203 0006 LF	SAWCUT EX. ASPHALT PAVING		ROAD	5,000	0690 0001 DOLLA	INTERNAL FACILITATION		NO TAB										
43	0205 0100 CY	FOREIGN BORROW EXCAVATION		ROAD	36	0802 0001 CY	TOPSOIL FURNISHED AND PLACED		E & S										
239	0205 0281 CY	SELECTED BORROW EXCAVATION, COARSE AGGREGATE, NO. 1		ROAD	2	0804 0032 LB	SEEDING - FORMULA T TEMPORARY GRASS MIX, INCLUDING MIX		E & S										
859	0212 0014 SY	GEOTEXTILE CLASS 4, TYPE A		ROAD	14	0804 0036 LB	SEEDING AND SOIL SUPPLEMENTS - FORMULA B RESIDENTIAL MIX		E & S										
859	0350 0110 SY	SUBBASE 10" DEPTH (NO. 2A)		ROAD	327	0806 0113 SY	TEMPORARY SHORT-TERM ROLLED EROSION CONTROL PRODUCT, TYPE 2D		E & S										
859	0313 0420 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO <3 MILLION ESALS, 25.0 MM MIX, 3" DEPTH		ROAD	85	0811 0003 LF	TEMPORARY PROTECTIVE FENCE		E & S										
859	0413 0245 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, 0.3 TO <3 MILLION ESALS, 9.5 MM MIX, 1.5" DEPTH		ROAD	1	0860 0000 EACH	INLET FILTER BAG FOR TYPE M INLET		E & S										
859	0413 6045 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64S-22, 0.3 TO <3 MILLION ESALS, 19.0 MM MIX, 2.5" DEPTH		ROAD	3	0860 0002 EACH	INLET FILTER BAG FOR TYPE C INLET		E & S										
859	0460 0003 SY	ASPHALT TACK COAT (NTT/CNTT)		ROAD	3	0867 0000 LF	COMPOST FILTER SOCK - CHECK DAM		E & S										
379	0491 0012 SY	MILLING OF ASPHALT SURFACE, 1.5" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR		ROAD	203	0867 0018 LF	COMPOST FILTER SOCK - 18" DIAMETER		E & S										
3	0605 1300 EACH	CLEANING DRAINAGE STRUCTURES		DRAIN	X	0901 0001 LS	MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION - OAK STREET DETOUR		NO TAB										
1	0605 2640 EACH	TYPE D ENDWALL		DRAIN	75	0901 0240 SF	ADDITIONAL TRAFFIC CONTROL SIGNS		SPMP										
1	0606 0050 SET	GRADE ADJUSTMENT OF EXISTING INLETS		DRAIN	910	0901 0320 LF	4" STANDARD PAVEMENT MARKINGS, PAINT AND BEADS, YELLOW		SPMP										
1	0607 0313 EACH	REBUILT INLET BOX		DRAIN	649	0901 0330 LF	4" STANDARD PAVEMENT MARKINGS, PAINT AND BEADS, WHITE		SPMP										
X	0608 0001 LS	MOBILIZATION		NO TAB	26	0901 0334 LF	24" STANDARD PAVEMENT MARKINGS, PAINT AND BEADS, YELLOW		SPMP										
X	0609 0003 LS	INSPECTOR'S FIELD OFFICE AND INSPECTION FACILITIES, TYPE B		NO TAB	2	0941 0001 EACH	RESET POST MOUNTED SIGNS, TYPE B		SPMP										
X	0609 0009 LS	EQUIPMENT PACKAGE		NO TAB		0971 0001 EACH	REMOVE POST MOUNTED SIGNS, TYPE B		SPMP										
204	0610 7002 LF	6" PAVEMENT BASE DRAIN		DRAIN	41	0960 0021 LF	24" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS		SPMP										
2	0615 0040 EACH	6" SUBSURFACE DRAIN OUTLET ENDWALL		DRAIN	1	0960 0127 EACH	WHITE HOT THERMOPLASTIC LEGEND, "RR CROSSING", 6' - 6', 12' LANE WIDTH		SPMP										
2	0615 0066 EACH	66" RED SUBSURFACE DRAIN OUTLET MARKER		SPMP	10000	9000 0006 DOLLA	UNFORSEEN UNDERGROUND UTILITY CONFLICT RESOLUTION		NO TAB										
124	0630 0001 LF	PLAIN CEMENT CONCRETE CURB		ROAD	X	9000 5101 LS	ELECTRONIC TICKETING (E-TICKETING) FOR CONSTRUCTION AGGREGATE		NO TAB										



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	11 OF 29
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PLAN

- FULL DEPTH RECONSTRUCTION
- MILLING OF ASPHALT PAVEMENT SURFACE, 1-1/2\"/>

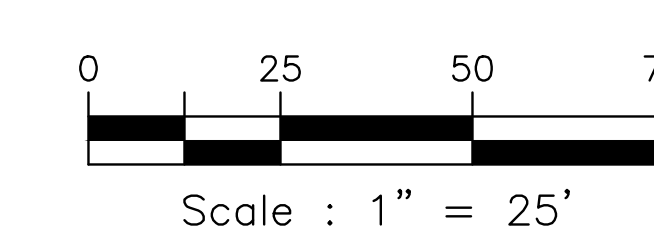
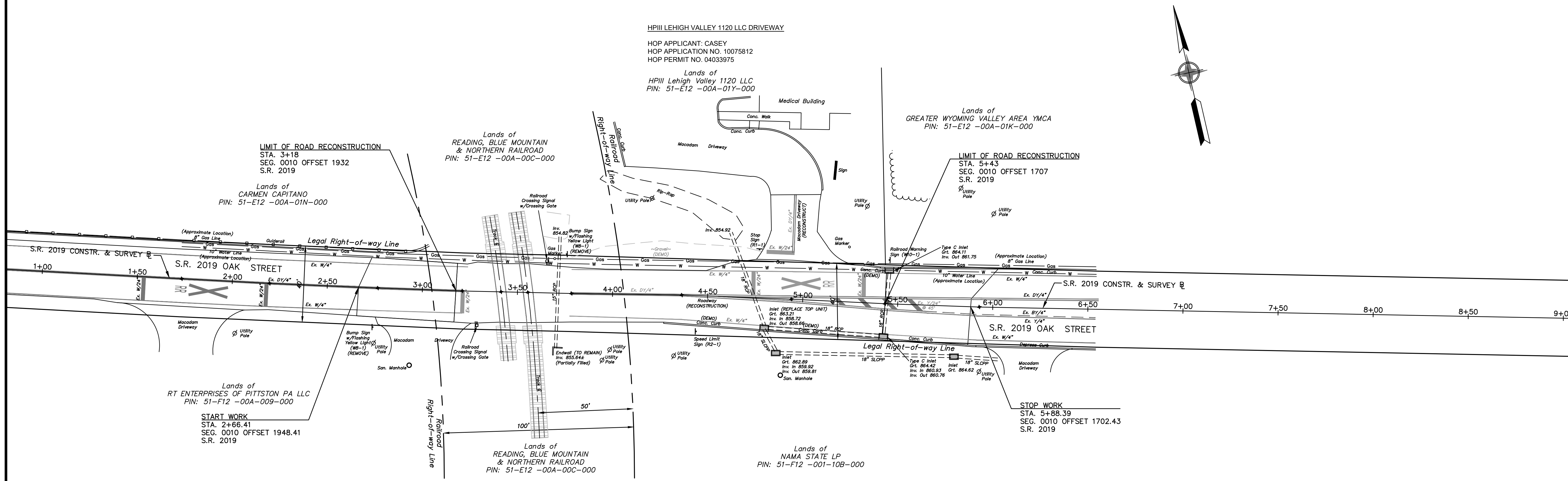
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TOWNSHIP OF PITTSSTON				
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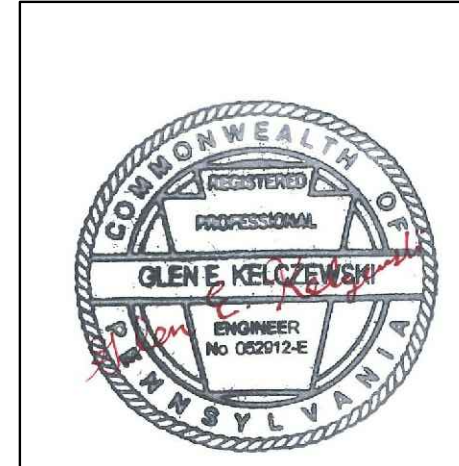


PLAN
EXISTING CONDITIONS / DEMO

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
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TOWNSHIP OF PITTSSTON				
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RAILROAD CROSSING SURFACE DEFLECTION
(FEDERAL RR MANUAL, THIRD EDITION, PAGE 23)

FOR NEW CONSTRUCTION, THE SURFACE OF THE HIGHWAY MAY NOT BE MORE THAN 3 INCHES HIGHER OR LOWER THAN THE TOP OF THE NEAREST RAIL AT A POINT 30 FEET FROM THE RAIL.

TRACK GAUGE: 4 FT. 8.5 INCHES = 4.71 FT.
RAIL CENTERLINE TO RAIL CENTERLINE DISTANCE: 4.96 FEET.
ELEVATION DIFFERENCE BETWEEN RAIL CENTERLINES: 3 INCHES OR 0.25 FEET
SLOPE ACROSS RAIL CENTERLINES = 0.25 FEET/4.96 FEET = 5.04%

TRACK SURFACE HAS A WIDTH OF 23.3 FEET AND A CONSTANT SLOPE OF 5.04%. SLOPE OF 5.04% EXTENDS A MINIMUM OF 2 FEET OUTSIDE OF THE WESTERMOST AND EASTERMOST RAILS.

WESTERN RAIL 1 (LOWEST OUTSIDE RAIL)
STATION: 3+30.07
ELEVATION: 859.33

EXISTING ELEVATION AT 3+30.07 = 857.88
WHEN 5.04% SLOPE IS EXTENDED TO STATION 3+30.07, ELEVATION AT 3+30.07 = 857.81
ELEVATION DIFFERENCE: 857.88 - 857.81 = 0.07 FEET < 0.25 FEET

EASTERN RAIL 2 (HIGHEST OUTSIDE RAIL)
STATION: 3+58.40
ELEVATION: 860.30

PROPOSED VERTICAL CURVE ELEVATION AT AT 3+88.40 = 861.70
WHEN 5.04% SLOPE IS EXTENDED TO STATION 3+88.40, ELEVATION AT 3+88.40 = 861.88
ELEVATION DIFFERENCE: 861.88 - 861.70 = 0.18 FEET < 0.25 FEET

Coordinated Health Driveway Sight Distance (Station 4+89 LT)
(HPHLL Lehigh Valley 1120, LLC property, 1120 Oak Street)
Existing Sight Distance (measured in field)

Driver Out to Left:	*461 ft.
Driver Out to Right:	*391 ft.
Left Turn In Oncoming from Front:	*488 ft.
Left Turn In Approaching from Rear:	*363 ft.

* Sight distance terminates at stopbar of western leg of Oak Street/Enterprise Way intersection.

Proposed Sight Distance (equal or better than existing)

Driver Out to Left:	*461 ft.
Driver Out to Right:	*391 ft.

* Sight distance terminates at stopbar of western leg of Oak Street/Enterprise Way intersection.

RLS Logistics Driveway Sight Distance (Station 2+98 RT)
(RT Enterprises of Pittston, PA property, 1075 Oak Street)
Existing Sight Distance (measured in field)

Driver Out to Left:	**585 ft.
Driver Out to Right:	*645 ft.
Left Turn In Oncoming from Front:	**595 ft.
Left Turn In Approaching from Rear:	*635 ft.

* Sight distance terminates at stopbar of western leg of Oak Street/Enterprise Way intersection.
** Sight distance terminates at Oak Street/Brown Road intersection.

Proposed Sight Distance (equal or better than existing)

Driver Out to Left:	**585 ft.
Driver Out to Right:	*645 ft.

* Sight distance terminates at stopbar of western leg of Oak Street/Enterprise Way intersection.
** Sight distance terminates at Oak Street/Brown Road intersection.

Casey Dental Driveway Sight Distance (Station 6+25 RT)
(Nama State LP property, 1073 Oak Street)
Existing Sight Distance (measured in field)

Driver Out to Left:	526 ft.
Driver Out to Right:	*328 ft.
Left Turn In Oncoming from Front:	557 ft.
Left Turn In Approaching from Rear:	*293 ft.

* Sight distance terminates at stopbar of western leg of Oak Street/Enterprise Way intersection.

Proposed Sight Distance (equal or better than existing)

Driver Out to Left:	526 ft.
Driver Out to Right:	*328 ft.

* Sight distance terminates at stopbar of western leg of Oak Street/Enterprise Way intersection.

Horizontal Scale : 1" = 25' - Vertical Scale : 1" = 2.5'
Profile - OAK STREET CENTER LINE

Existing Stopping Sight Distance for Oak Street

Formula from PennDOT Chapter 441
 $D_1 = 1.47 \times V \times t$
 $V = 35 \text{ mph}$
 $t = 2.5 \text{ seconds}$
 $D_1 = 1.47 \times 35 \times 2.5 = 128.63 \text{ ft.}$

$D_2 = \frac{V^2}{2g} (30 \times (f+G))$
 $V = 35 \text{ mph}$
 $f = 0.30 \text{ (wet pavement)}$
 $G_1 = + 4.9\%$
 $G_2 = + 2.2\%$
 $= \frac{35^2}{2 \times 32.2} (30 \times (0.30 + 0.049)) = 117.00 \text{ ft. for } G_1$
 $= \frac{35^2}{2 \times 32.2} (30 \times (0.30 + 0.022)) = 126.81 \text{ ft. for } G_2$

* Use larger value for G_2
 $SSD = D_1 + D_2 = 128.63 + 126.81 = 255.44 \text{ ft.}$

Proposed Stopping Sight Distance for Oak Street

Formula from PennDOT Chapter 441
 $D_1 = 1.47 \times V \times t$
 $V = 35 \text{ mph}$
 $t = 2.5 \text{ seconds}$
 $D_1 = 1.47 \times 35 \times 2.5 = 128.63 \text{ ft.}$

$D_2 = \frac{V^2}{2g} (30 \times (f+G))$
 $V = 35 \text{ mph}$
 $f = 0.30 \text{ (wet pavement)}$
 $G_1 = + 5.04\%$
 $G_2 = + 0.90\%$
 $= \frac{35^2}{2 \times 32.2} (30 \times (0.30 + 0.0504)) = 116.53 \text{ ft. for } G_1$
 $= \frac{35^2}{2 \times 32.2} (30 \times (0.30 + 0.009)) = 132.15 \text{ ft. for } G_2$

* Use larger value for G_2
 $SSD = D_1 + D_2 = 128.63 + 132.15 = 260.78 \text{ ft.}$

Proposed Stopping Sight Distance for Oak Street

Formula from 2004 AASHTO Green Book, Equation 3-44
Stopping Sight Distance (SSD) is Greater than Length of Curve (L)

$SSD = \frac{L + \sqrt{L^2 + (2158/A)^2}}{2}$
 $L = \text{Length of Crest Vertical Curve} = 112 \text{ ft.}$
 $A = \text{Grade Difference} = +5.04\% - +0.90\% = 4.14\%$
 $= \frac{112 + \sqrt{112^2 + (2158/4.14)^2}}{2} = 316.63 \text{ ft.}$

Proposed Stopping Sight Distance for Oak Street

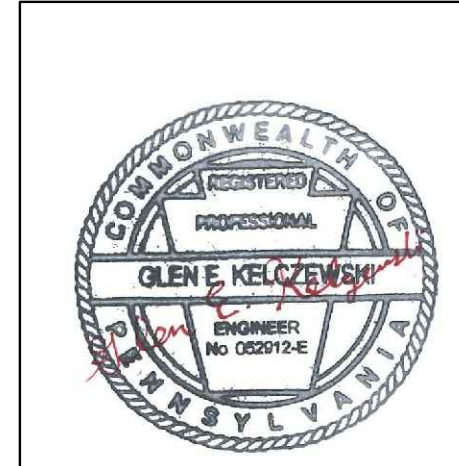
Measured graphically along proposed Oak Street centerline
Driver Height = 3.5 ft.
Object Height = 2.0 ft.
Minimum Height above Roadway = 6 inches

SSD	265 ft.	Eastbound
	275 ft.	Westbound

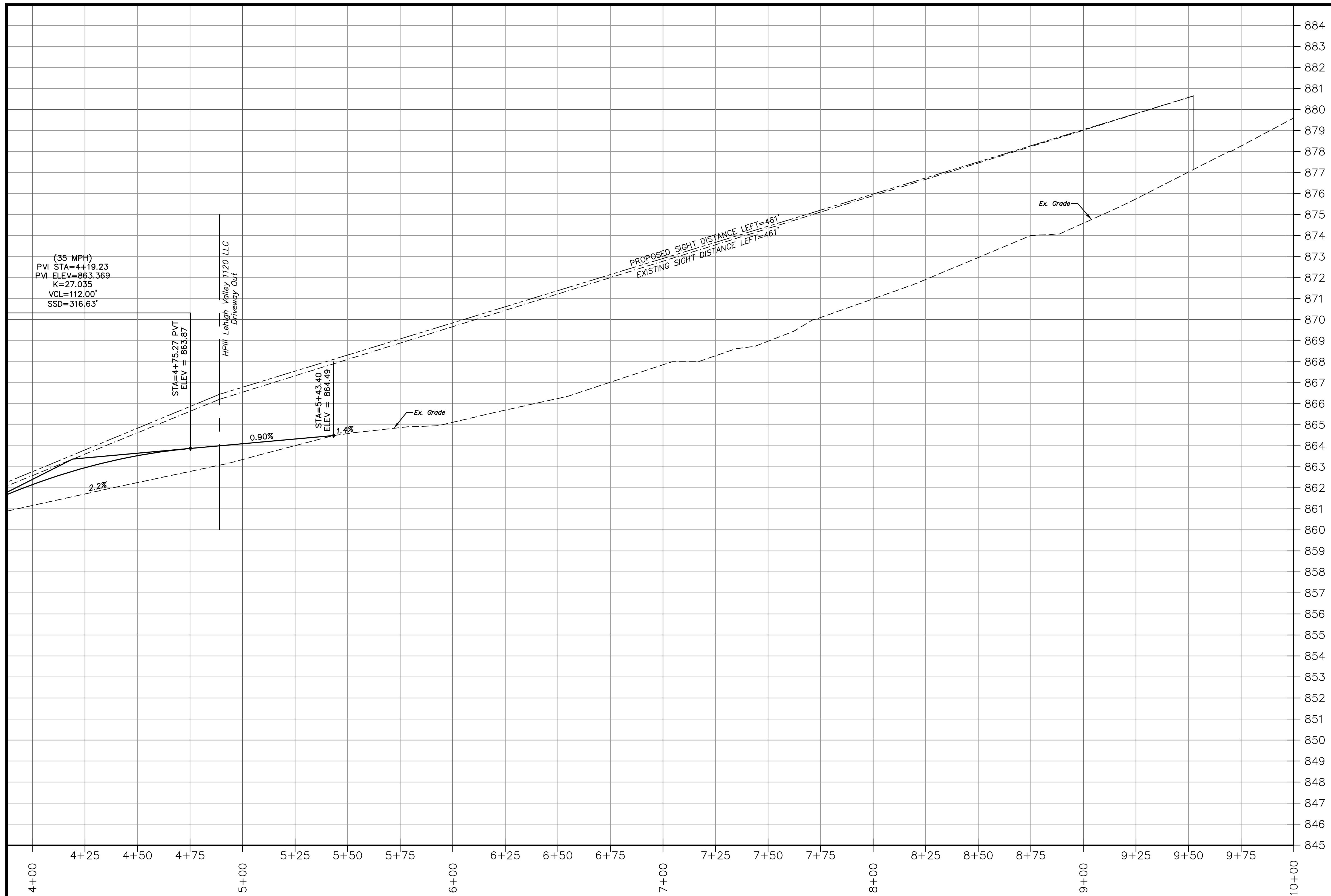
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	15 OF 29
TOWNSHIP OF PITTSSTON				
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Elevation

Horizontal Scale : 1"= 25' - Vertical Scale : 1"= 2.5'
Profile - OAK STREET CENTER LINE

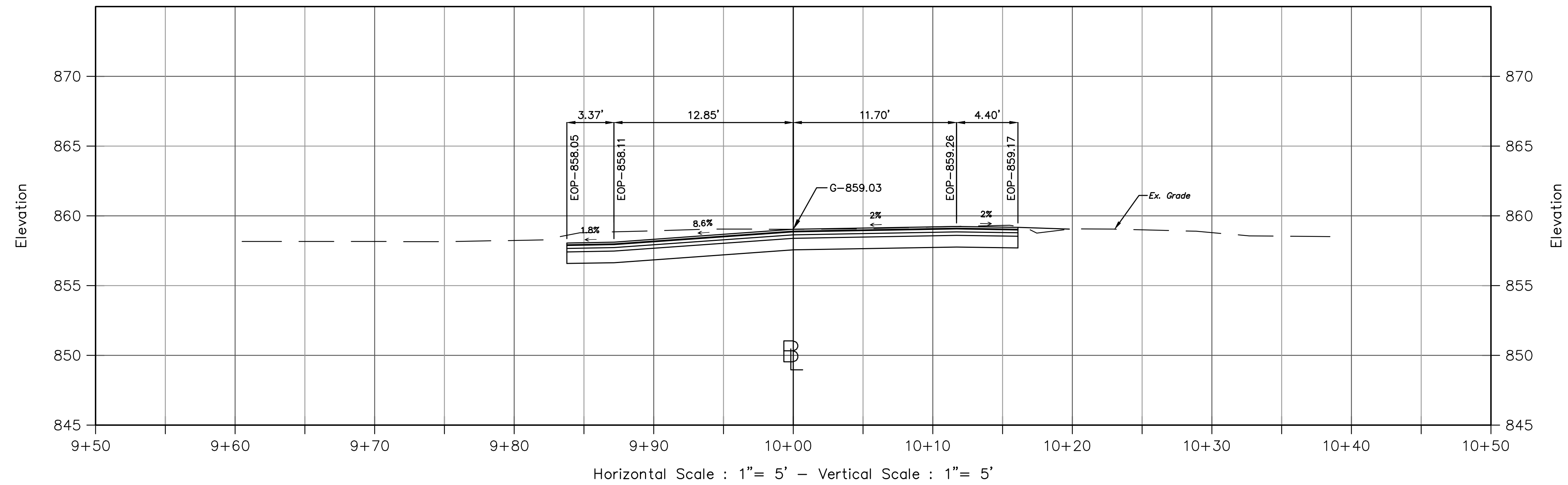
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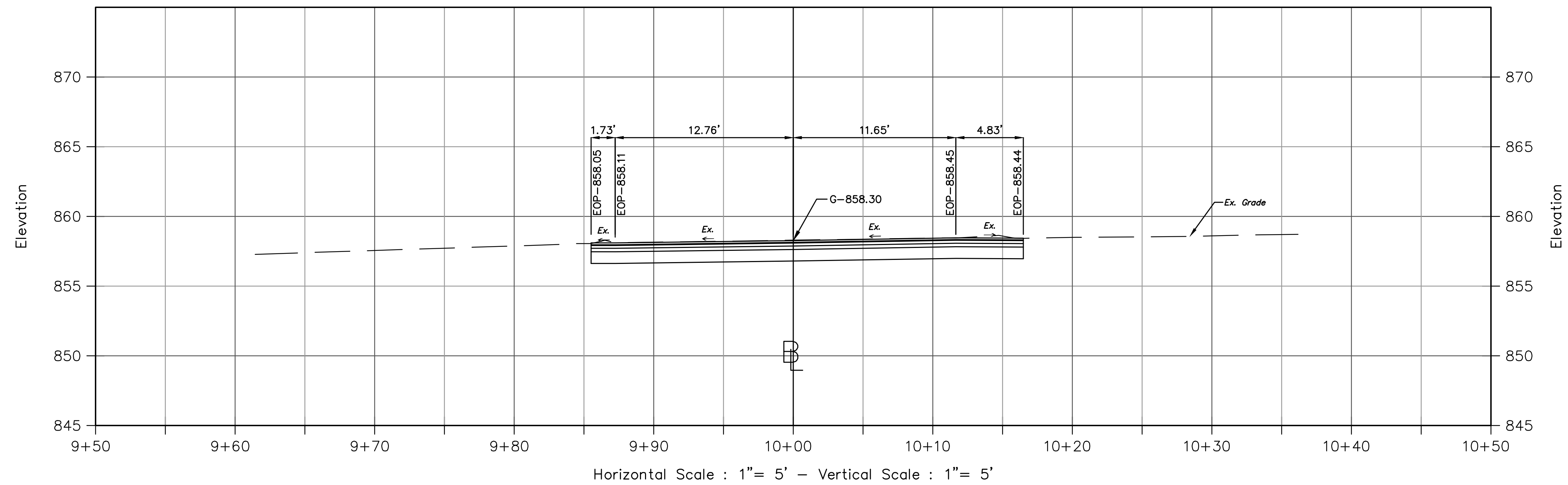
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	16 OF 29
TOWNSHIP OF PITTSBURGH				
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CROSS SECTION-3+33
(SUPER ELEVATED SECTION)



CROSS SECTION-3+18
(SUPER ELEVATED SECTION)

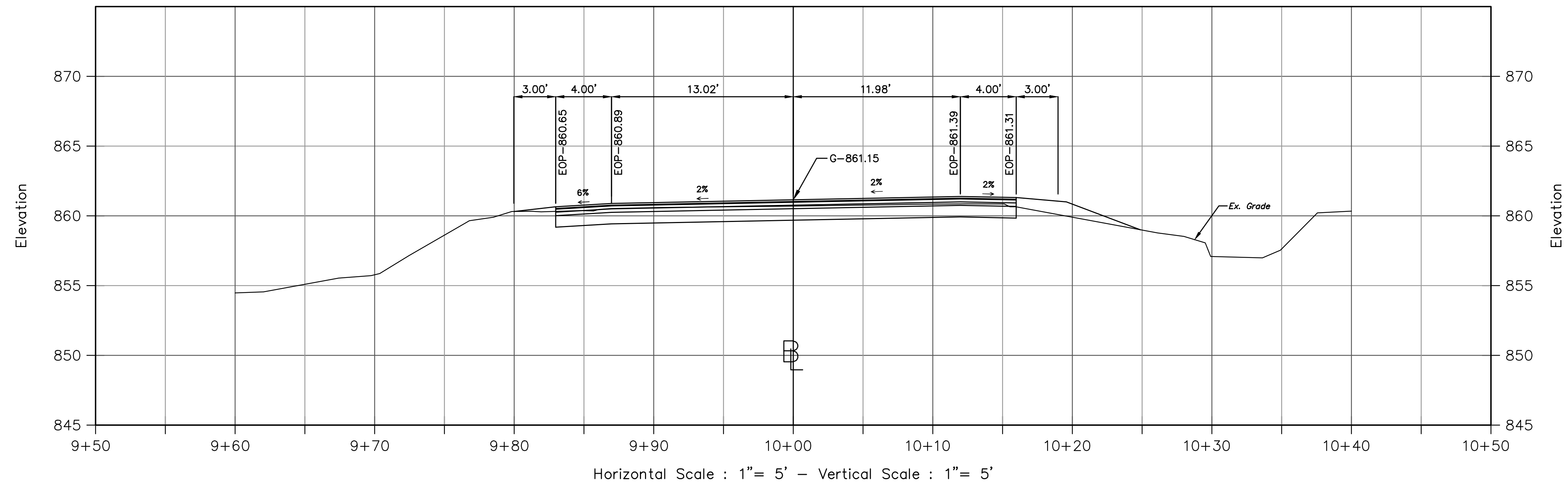
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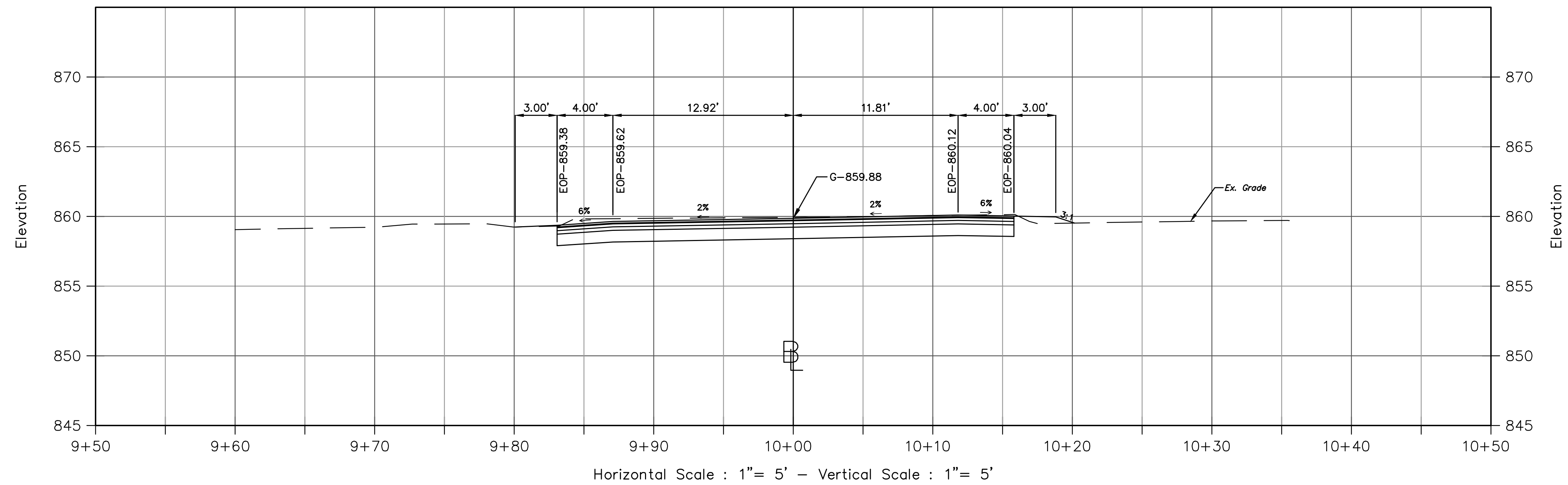
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4 - 0	LUZERNE	2019	----	17 OF 29
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CROSS SECTION-3+75



CROSS SECTION-3+50
(SUPER ELEVATED SECTION)

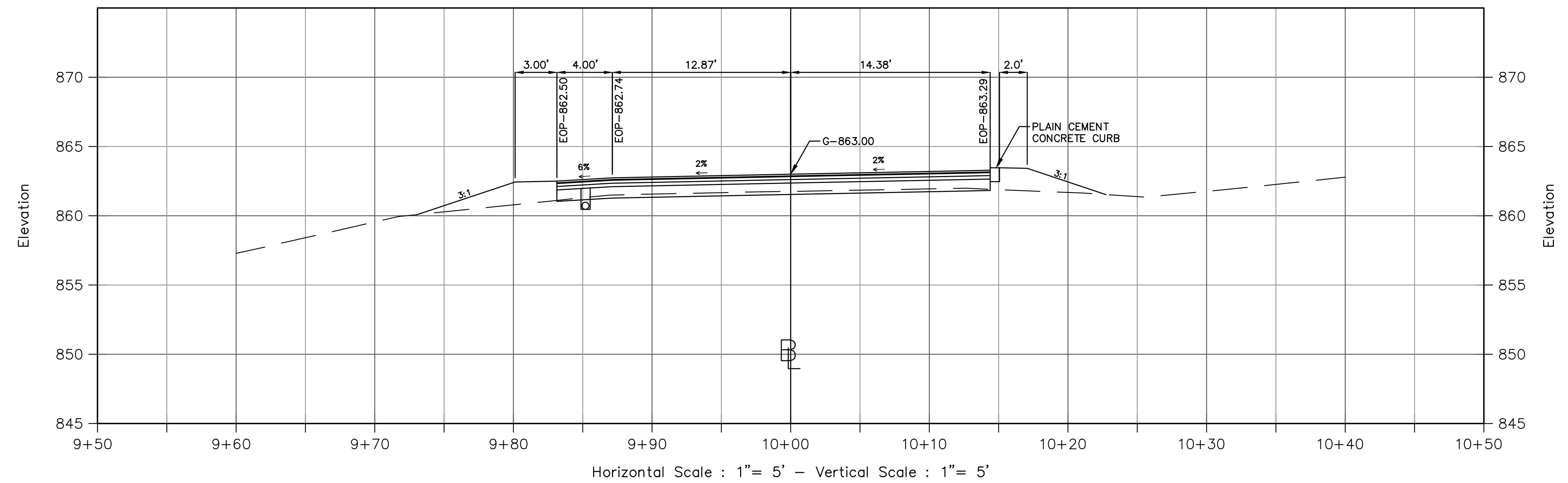
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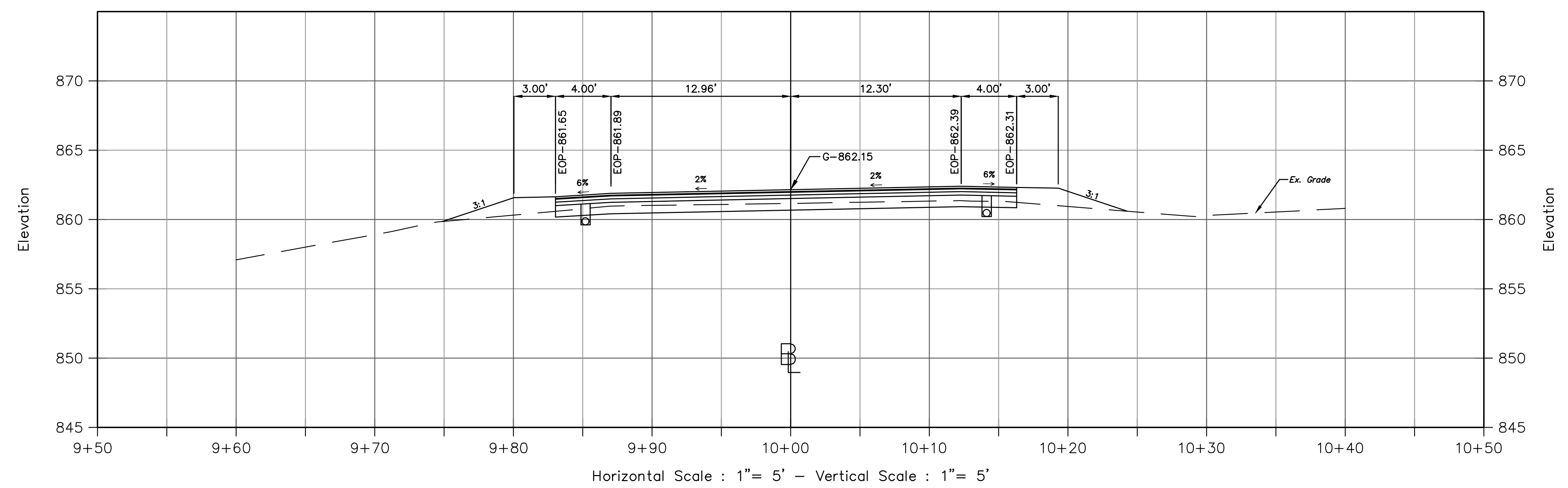
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CROSS SECTION-4+27



CROSS SECTION-4+00
(SUPER ELEVATED SECTION)

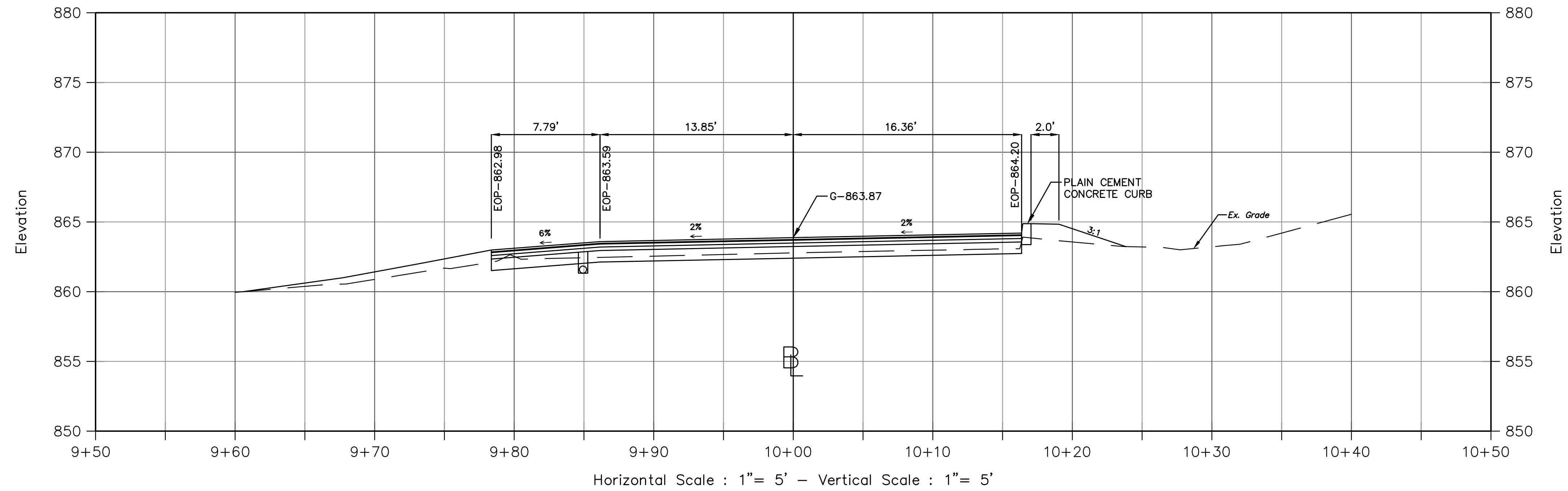
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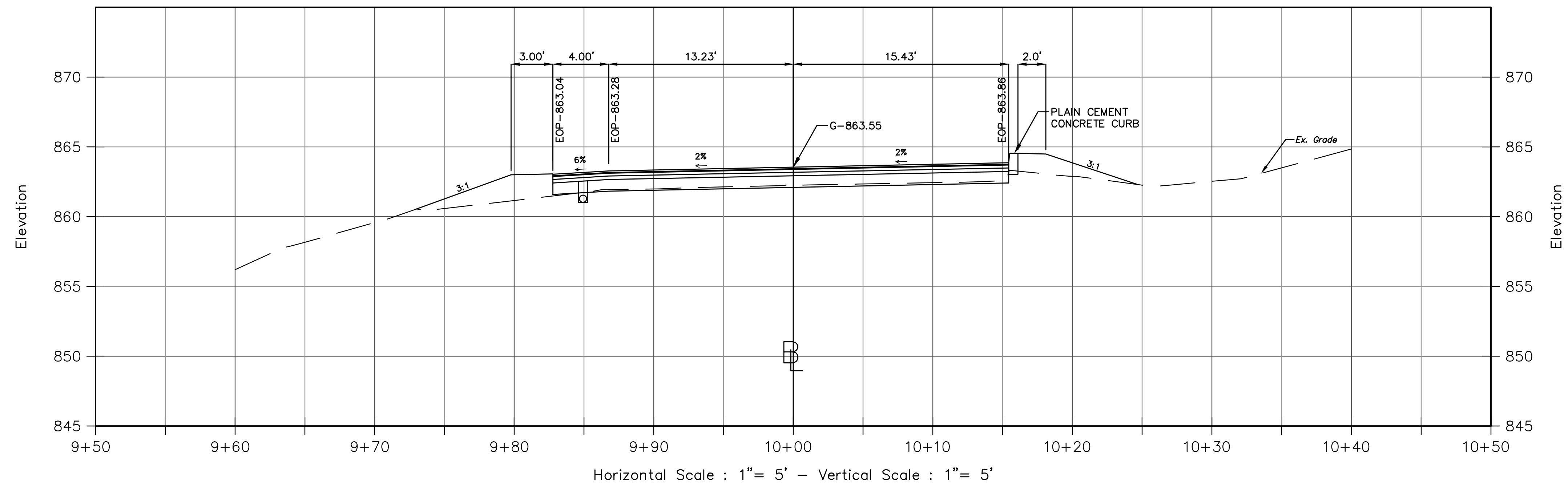
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TOWNSHIP OF PITTSSTON				
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CROSS SECTION-4+75



CROSS SECTION-4+50

(TRANSITION FROM SUPER ELEVATED SECTION TO CROWN SECTION)

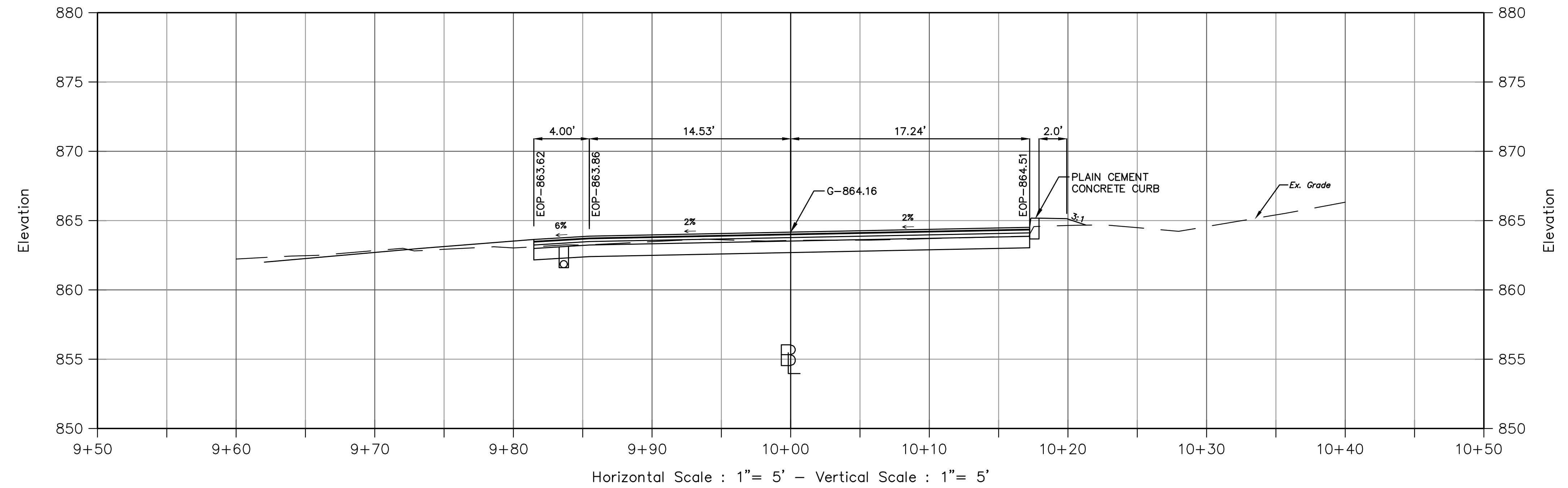
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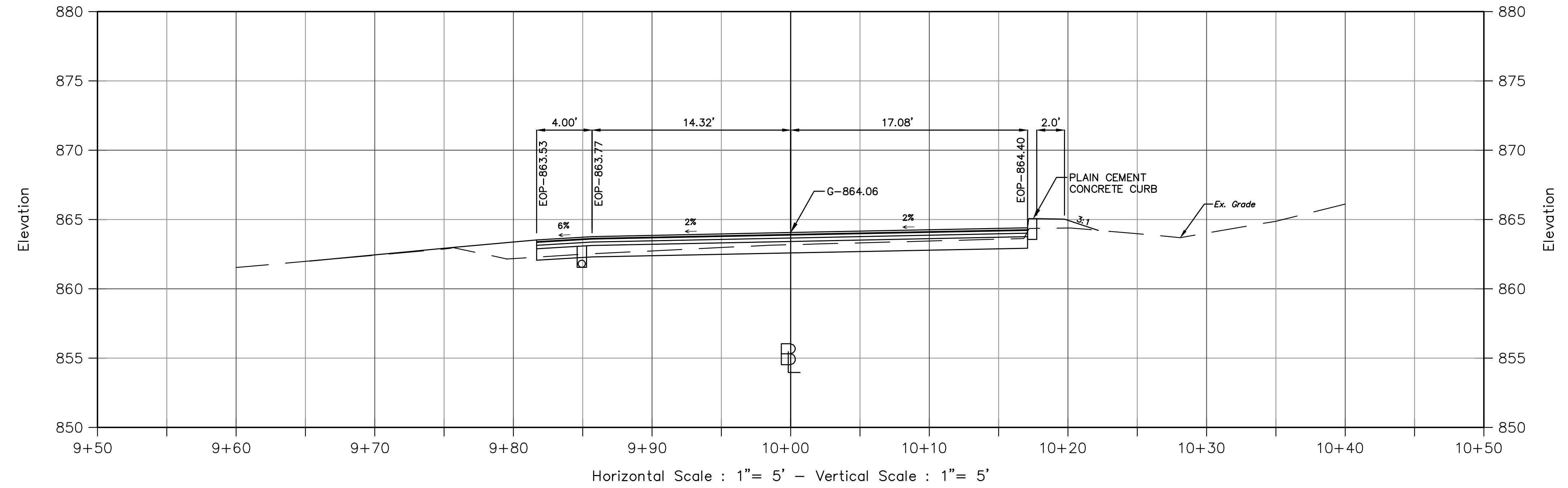
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	20 OF 29
TOWNSHIP OF PITTSSTON				
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CROSS SECTION-5+08
(CROWN SECTION)



CROSS SECTION-4+94

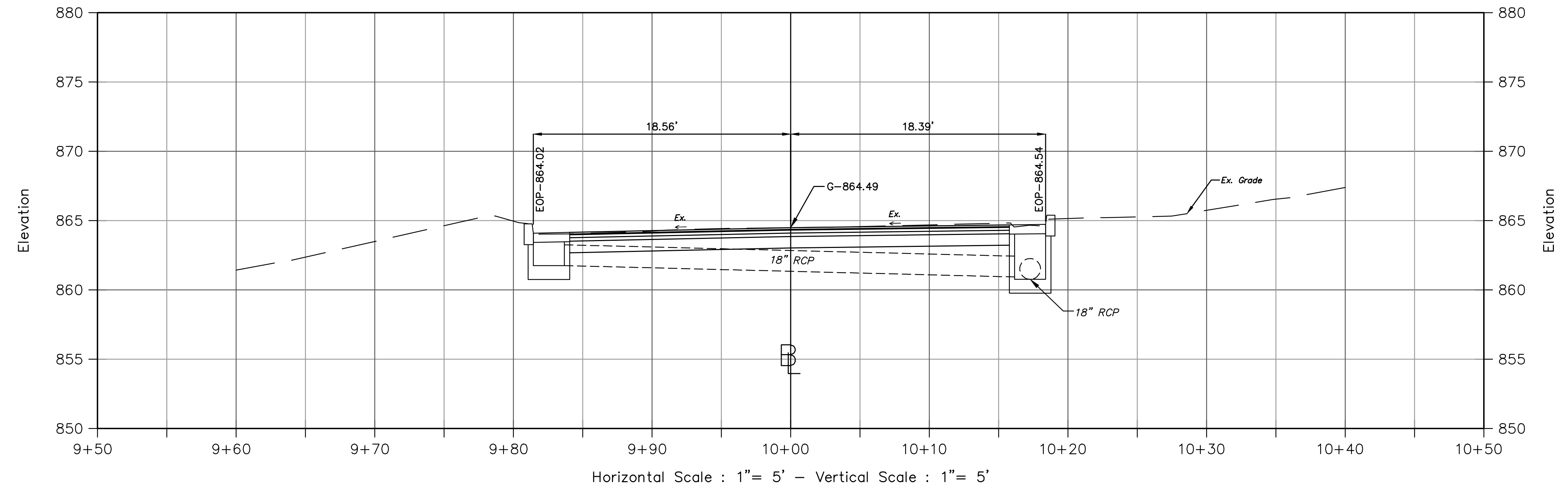
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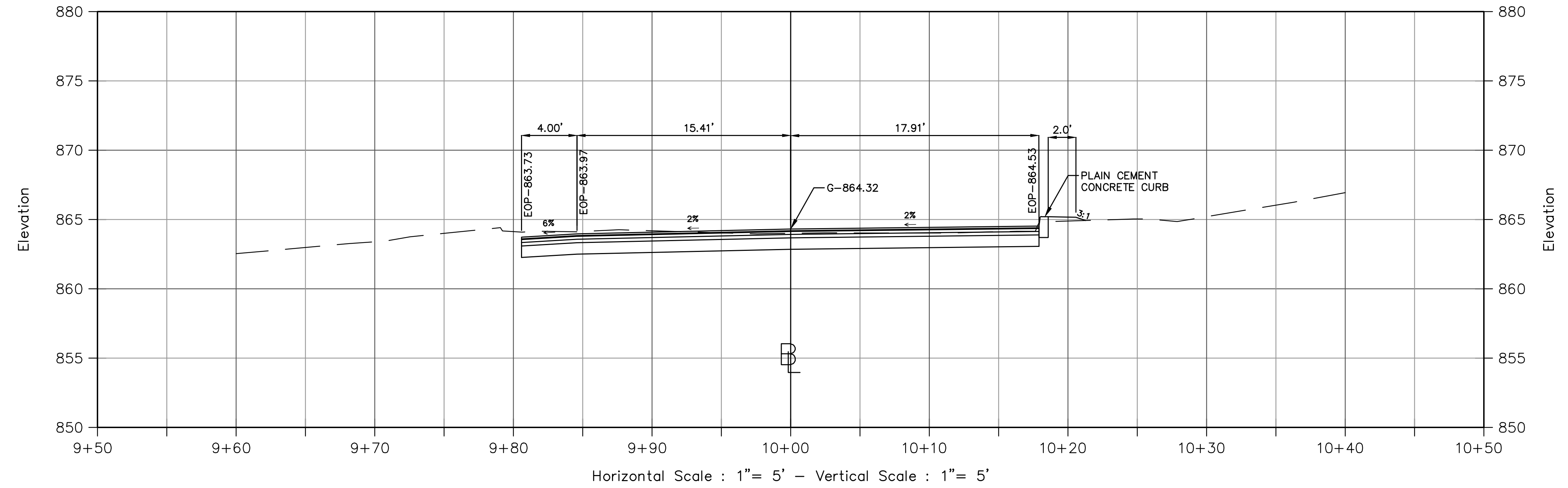


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	21 OF 29
TOWNSHIP OF PITTSSTON				
REVISION NUMBER	REVISIONS	DATE	BY	
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Horizontal Scale : 1" = 5' - Vertical Scale : 1" = 5'

CROSS SECTION-5+43



Horizontal Scale : 1" = 5' - Vertical Scale : 1" = 5'

CROSS SECTION-5+25

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STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES

1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE E & S PLANS. A COPY OF THE E & S PLANS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, PENNDOT AND/OR THE CONTRACTOR SHALL INVITE ALL CONTRACTORS, APPROPRIATE MUNICIPAL OFFICIALS, AND THE E & S PLAN PREPARER TO AN ON-SITE PRECONSTRUCTION MEETING.
3. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
4. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE REVIEWING AGENCY AND PENNDOT DISTRICT 40 ENVIRONMENTAL UNIT PRIOR TO IMPLEMENTATION.
5. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
6. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE AND LIMITED TO THE AREAS NECESSARY TO PLACE E & S CONTROLS FOR ALL STAGES. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E & S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E & S PLAN.
7. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF CONSTRUCTION BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
8. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS IN THE AMOUNT NECESSARY TO COMPLETE THE FINISHED GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
9. IMMEDIATELY UPON DISCOVERING UNFORSEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE CONTRACTOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE REVIEWING AGENCY.
10. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET. SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED OR DISCHARGED AT THE SITE.
11. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E & S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT, PENNDOT DISTRICT 40 ENVIRONMENTAL UNIT OR PADEP. THE OFF-SITE WASTE AND BORROW AREA MUST BE FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON-SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
13. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EVERY RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL, MAINTENANCE WORK, INCLUDING CLEANOUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY IF THE E & S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
14. A LOG SHOWING DATES THAT E & S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
15. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER OR SURFACE WATER.
16. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED OR PLACED IN TOPSOIL STOCKPILES.
17. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, SLOPES 3H:1V OR STEEPER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
18. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
19. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING OR OTHER MOVEMENTS.
20. E & S BMPS MUST BE CONSTRUCTED, STABILIZED AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPS. E & S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE REVIEWING AGENCY.

21. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
22. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMENT STABILIZATION OF ALL DISTURBED AREAS, THE CONTRACTOR SHALL CONTACT PENNDOT TO SCHEDULE A FINAL INSPECTION. A FINAL INSPECTION TO REMOVE BMPS MAY OR MAY NOT OCCUR.
23. FAILURE TO CORRECTLY INSTALL E & S BMPS, FAILURE TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E & S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY PADEP AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
24. THE CONTRACTOR SHALL ASSURE THAT THE EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED.
25. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, CHAPTER 102, EROSION CONTROL.
26. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
27. ALL PUMPING OF ANY WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH SEDIMENT CONTROL BMPS, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER NON-DISTURBED AREAS.
28. ALL WETLANDS MUST BE DELINEATED AND PROTECTED WITH ORANGE SAFETY FENCE PRIOR TO ANY EARTH DISTURBANCE ACTIVITY.
29. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS, INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION AND CONSTRUCTION MATERIALS/WASTES.
30. THERE ARE NO ON-SITE WASTE AREAS. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAULING ALL EXCESS SPOILS TO AN OFFSITE LOCATION(S). THE CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING ALL OFFSITE WASTE AREAS HAVE APPROVED AND IMPLEMENTED E & S PLANS AND ASSOCIATED PERMITS

CHAPTER 93 STREAM CLASSIFICATION

THE EXISTING AND DESIGNATED USES FOR THE SUSQUEHANNA RIVER ARE CLASSIFIED IN PENNSYLVANIA CODE TITLE 25, CHAPTER 93 AS WARM WATER FISHES (WWF) WITH MIGRATORY FISHES (MF).

IN-STREAM RESTRICTIONS

NO IN-STREAM CONSTRUCTION ACTIVITIES ARE PROPOSED FOR THIS PROJECT.

TOTAL LIMIT OF DISTURBANCE = 0.3569 ACRES (15,546 SF)

OWNER:

PENNDOT ENGINEERING DISTRICT 4-0
55 KEYSTONE INDUSTRIAL PARK
DUNMORE, PA 18512
PHONE: (570) 963-4061

DEP OFFICE:


PA DEP NORTHEAST REGIONAL OFFICE
2 PUBLIC SQUARE
WILKES-BARRE, PA 18701-1915
PHONE: (570) 826-2511

PLAN PREPARED BY:

BERCEK & ASSOCIATES
112 N. LEWIS ROAD
ROYERSFORD, PA 19468
PHONE: (610) 948-8947

CONSERVATION DISTRICT:

LUZERNE COUNTY CONSERVATION DISTRICT
325 SMITHS POND ROAD
SHAVERTOWN, PA 18708
PHONE: (570) 674-7991

	<p>CALL BEFORE YOU DIG</p> <p>PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL 1-800-242-1776</p> <p>PA1 SYSTEM INC. WILKES-BARRE TOWNSHIP, LUZERNE COUNTY SERIAL NUMBER 20260500667</p>
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	22 OF 29
TOWNSHIP OF PITTSSTON				
REVISION NUMBER	REVISIONS	DATE	BY	
1	PER PENNDOT REVIEW EMAIL OF 04-13-2026	04-20-2026	GK	

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PREPARED BY :

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Phone : 610-948-8947 - Email : mbercek@bercekassociates.com

March ??, 2026 - Plan No. B-24-188-PD



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	23 OF 29
TOWNSHIP OF PITTSSTON				
REVISION NUMBER	REVISIONS	DATE	BY	
1	PER PENNDOT REVIEW EMAIL OF 04-13-2026	04-20-2026	GK	

PRE-CONSTRUCTION

- ALL APPLICABLE PERMITS AND APPROVALS REQUIRED FOR THIS PROJECT SHALL BE SECURED PRIOR TO THE START OF CONSTRUCTION. COPIES OF PERMITS, PLANS AND APPROVALS SHALL BE KEPT ON-SITE AT ALL TIMES.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, PENNDOT AND/OR THE CONTRACTOR SHALL INVITE ALL CONTRACTORS, APPROPRIATE MUNICIPAL OFFICIALS AND THE E & S PLAN PREPARER TO AN ON-SITE PRE-CONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM, INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STEP SHALL BE COMPLETED BEFORE ANY FOLLOWING STEP IS INITIATED, EXCEPT WHERE NOTED ON THE PLANS. CLEARING AND GRUBBING SHALL BE LIMITED TO THOSE AREAS DESCRIBED.
- IMMEDIATELY UPON DISCOVERING UNFORSEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION/SEDIMENT POLLUTION CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION/SEDIMENT POLLUTION.
- BEFORE INITIATING ANY REVISION TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS, WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED EROSION CONTROL PLAN, THE CONTRACTOR MUST RECEIVE APPROVAL OF THE REVISION FROM THE REVIEWING AGENCY AND PENNDOT DISTRICT 4-0 ENVIRONMENTAL UNIT.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE CONTRACTOR SHALL STABILIZE ANY AREA DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
- ALL STRUCTURES ASSOCIATED WITH THE CONSTRUCTION OF SEDIMENT REMOVAL FACILITIES MUST BE ON-SITE PRIOR TO CONSTRUCTION.
- ALL UNSUITABLE MATERIALS ON THIS PROJECT WILL BE LOADED INTO TRUCKS AND HAULED OFF-SITE. THE CONTRACTOR IS RESPONSIBLE FOR HAVING AN APPROVED EROSION AND SEDIMENTATION CONTROL PLAN FOR ALL SUCH WASTE SITES. NON-DESIGNATED WASTE/BORROW AREAS MUST HAVE AN APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
- ALL LIMITS OF DISTURBANCE (LOD) MUST BE CLEARLY MARKED PRIOR TO DISTURBANCE ACTIVITIES. THE USE OF SURVEY STAKES, POSTS AND ROPE, OR CONSTRUCTION FENCE ARE ACCEPTABLE DELINEATION TECHNIQUES.

CONSTRUCTION SEQUENCE

WORK WHICH CAN BE COMPLETED FROM THE EXISTING ROADWAY WHICH DOES NOT RESULT AND/OR CAUSE EARTH DISTURBANCE CAN BE COMPLETED PRIOR TO, SIMULTANEOUSLY, OR AFTER THE SEQUENCE ITEMS LISTED BELOW, THROUGHOUT ALL PHASES AND STAGES OF CONSTRUCTION, CESSATION OF ACTIVITY FOR FOUR (4) DAYS OR LONGER REQUIRES TEMPORARY STABILIZATION. THE PROJECT IS SEQUENCED TO MINIMIZE THE EXTENT OR DURATION OF EARTH DISTURBANCE. THE PROPOSED EARTH DISTURBANCE ACTIVITIES ARE ANTICIPATED TO BE COMPLETE WITHIN SIX (6) MONTHS FROM THE START OF CONSTRUCTION. ALL CLEARING AND GRUBBING ACTIVITY (IF NECESSARY) SHALL BE LIMITED TO THE EXTENT NECESSARY TO PLACE AND MAINTAIN E & S CONTROLS FOR THE DURATION OF THE PROJECT.

- INSTALL SIGNS AND BARRICADES FOR THE OAK STREET (S.R. 2019) ROAD CLOSURE AND DETOUR.
- INSTALL ORANGE SAFETY/PROTECTION FENCING TO PROTECT EXISTING TREES/VEGETATION AT THE LOCATIONS SHOWN ON THE PLANS. INSTALL COMPOST FILTER SOCKS AT THE LOCATIONS SHOWN ON THE PLANS. INSTALL FILTER BAG INLET PROTECTION IN EXISTING STORM INLETS AT THE LOCATIONS SHOWN ON THE PLANS. INSTALL STACKED CHECK DAM - COMPOST FILTER SOCK WITHIN THE EXISTING SWALE LOCATIONS SHOWN ON THE PLANS. INSTALL A CONCRETE WASHOUT FACILITY AT THE LOCATION SHOWN ON THE PLAN. A ROCK CONSTRUCTION ENTRANCE IS NOT PROVIDED FOR THIS PROJECT.
- SAWCUT AND REMOVE EXISTING OAK STREET PAVING FROM STATIONS 3+18 TO 5+43. REMOVE EXISTING CURB FROM STATIONS 4+27 RT TO 5+41 RT. REMOVE EXISTING RAILROAD TRACKS. REMOVE EXISTING DRIVEWAY PAVING FOR THE HPIII LEHIGH VALLEY 1120, LLC DRIVEWAY AT THE LOCATIONS SHOWN ON THE PLANS. NO STOCKPILE AREA IS PROVIDED, ALL EXCESS CONSTRUCTION DEBRIS SHALL BE HAULED TO AN OFF-SITE LOCATION.
- INSTALL FILL WITHIN THE OAK STREET CARTWAY AREA TO RAISE THE GRADE TO MATCH THE PROPOSED VERTICAL PROFILE FROM STATIONS 3+18 TO 5+43. INSTALL FILL FOR THE HPIII LEHIGH VALLEY 1120, LLC DRIVEWAY. RAISE THE TOP OF GRATE FOR EXISTING INLET X1. INSTALL D-ENDWALLS ON THE ENDS OF EXISTING STORM SEWER AT 3 LOCATIONS SHOWN ON THE PLANS. INSTALL PAVEMENT BASE DRAIN AT THE LOCATIONS SHOWN ON THE PLANS. AFTER FILL OPERATIONS ARE COMPLETED, IMMEDIATELY INSTALL STONE SUBBASE FOR FOR THE OAK STREET CARTWAY AREA AND THE HPIII LEHIGH VALLEY 1120, LLC DRIVEWAY. STABILIZE SIDE SLOPES WITH PERMANENT STABILIZATION. PROVIDE EROSION CONTROL MATTING ON ALL SLOPES 3:1 OR GREATER.
- INSTALL PROPOSED RAILROAD TRACKS AND RUBBER FLANGEWAYS. IF NECESSARY, REMOVE AND REPLACE THE EXISTING RAILROAD CROSSING GATES.
- INSTALL PROPOSED CURB FROM STATIONS 4+27 TO 5+41 RT.
- AFTER RAILROAD TRACK CONSTRUCTION HAS BEEN COMPLETED, INSTALL FULL DEPTH PAVEMENT FOR THE OAK STREET CARTWAY AND SHOULDER AREAS. INSTALL PROPOSED PAVING FOR THE HPIII LEHIGH VALLEY 1120, LLC DRIVEWAY. PROVIDE MILLING OF EX OAK STREET PAVEMENT, AS NECESSARY. PROVIDE PAVEMENT OVERLAY FOR THE OAK STREET MILLING AREAS.
- INSTALL NEW PAVEMENT MARKINGS AND SIGNS ALONG OAK STREET FROM STATIONS 2+66.41 TO 5+88.39.
- PROVIDE PERMANENT STABILIZATION FOR ALL REMAINING DISTURBED AREAS. REMOVE ALL REMAINING E & S BMP DEVICES (COMPOST FILTER SOCK, FILETER BAG INLET PROTECTION, ETC.).
- REMOVE SIGNS AND BARRICADES FOR THE OAK STREET (S.R. 2019) ROAD CLOSURE AND DETOUR.

CONTACT THE REVIEWING AGENCY PRIOR TO THE REMOVAL OF TEMPORARY EROSION CONTROL MEASURES ONCE 70% VEGETATIVE COVER IS ESTABLISHED (I.E. COMPOST FILTER SOCK, FILTER BAG INLET PROTECTION, ETC.). UPON REMOVAL OF ALL EROSION CONTROL DEVICES, THE CONTRACTOR MUST STABILIZE THESE AREAS UTILIZING THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.

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CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE

IF THE SITE WILL HAVE EXCESS FILL THAT WILL NEED TO BE EXPORTED TO AN OFFSITE LOCATION, THE RESPONSIBILITY OF CLEAN FILL DETERMINATION AND ENVIRONMENTAL DUE DILIGENCE RESTS ON THE CONTRACTOR. THIS INFORMATION SHOULD BE COMPLETED PRIOR TO SUBMITTING A PERMIT APPLICATION. IF ALL CUT AND FILL MATERIALS WILL BE USED ON THE SITE, A CLEAN FILL DETERMINATION IS NOT REQUIRED BY THE OPERATOR UNLESS THERE IS A BELIEF THAT A SPILL OR RELEASE OF A REGULATED SUBSTANCE OCCURRED ON SITE.

THE CONTRACTORS MUST USE ENVIRONMENTAL DUE DILIGENCE TO ENSURE THAT THE FILL MATERIAL ASSOCIATED WITH THIS PROJECT QUALIFIES AS CLEAN FILL. DEFINITIONS OF CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE ARE PROVIDED BELOW. ALL FILL MATERIAL MUST BE USED IN ACCORDANCE WITH THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL", DOCUMENT NUMBER 258-2182-773. A COPY OF THIS POLICY IS AVAILABLE ONLINE AT WWW.DEPWEB.STATE.PA.US. UNDER THE HEADING QUICK ACCESS ON THE LEFT SIDE OF THE SCREEN, CLICK ON "FORMS AND PUBLICATIONS". ON THE LEFT SIDE OF THE SCREEN CLICK ON "TECHNICAL GUIDANCE DOCUMENTS - FINAL". THEN TYPE THE DOCUMENT NUMBER 258-2182-773 INTO THE SEARCH WINDOW AND CONDUCT THE SEARCH. CLICK ON "MANAGEMENT OF FILL".

CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, BRICK, BLOCK, OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE).

CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS IN TABLES FP-1A AND FP-1B FOUND IN THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".

ANY PERSON PLACING CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FO-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL.

ENVIRONMENTAL DUE DILIGENCE: INVESTIGATIVE TECHNIQUES, INCLUDING BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF A REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".

FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE DEPARTMENT'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA. CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE.

DUST CONTROL

THE CONTRACTOR WILL EMPLOY CONSTRUCTION METHODS AND MEANS THAT WILL KEEP FLYING DUST TO A MINIMUM. THE CONTRACTOR WILL PROVIDE FOR THE DISTRIBUTION OF WATER ON THE PROJECT AND ON ROADS, STREETS, AND OTHER AREAS IMMEDIATELY ADJACENT TO THE PROJECT LIMITS, WHEREVER TRAFFIC OR BUILDINGS ARE OCCUPIED OR IN USE, ARE AFFECTED BY SUCH DUST CAUSED BY HIS HAULING OR OTHER CONTRACTORS. THE MATERIALS AND METHODS FOR WATER LAYING WILL BE SUBJECT TO THE APPROVAL OF THE DEPARTMENT. THE COST OF CARRYING OUT THE FORGOING PROVISIONS WILL BE INCLUDED IN THE ITEM "MOBILIZATION". THE CONTRACTOR WILL PROVIDE FOR PROMPT REMOVAL FROM THE EXISTING PAVING ALL DIRT AND OTHER MATERIALS THAT HAVE BEEN SPILLED, WASHED UPON TRACKED UPON OR OTHERWISE DEPOSITED THEREON BY HIS HAULING AND OTHER CONTRACTORS WHENEVER THE ACCUMULATION IS SUFFICIENT TO CAUSE THE FORMATION OF DUST, MUD, INTERFERE WITH DRAINAGE, DAMAGE PAVEMENTS OR CREATE A TRAFFIC HAZARD.

MAXIMIZE PROTECTION OF EXISTING DRAINAGE FEATURES

EXISTING STORMWATER CONTROL FACILITIES WILL BE PROTECTED DURING CONSTRUCTION WITH THE USE OF APPROPRIATE E & S BMPs. THE PROPOSED STORMWATER PLAN WILL MAINTAIN THE EXISTING DRAINAGE PATTERN AND UTILIZE EXISTING DRAINAGE FEATURES WHERE APPLICABLE.

MINIMIZE SOIL COMPACTION

DURING CONSTRUCTION, THE CONTRACTOR WILL MINIMIZE SOIL COMPACTION BY COMPLETING AS MUCH WORK AS POSSIBLE FROM EXISTING ROADWAY.

MINIMIZE THE GENERATION OF INCREASED STORMWATER RUNOFF

TO MINIMIZE THE GENERATION OF INCREASED STORMWATER RUNOFF, THE PROPOSED PROJECT MINIMIZES THE INCREASED IMPERVIOUS AREA TO THAT WHICH IS NEEDED TO MAINTAIN PUBLIC SAFETY. THE PROJECT WILL UTILIZE FILTER BAG INLET PROTECTION, COMPOST FILTER SOCKS AND A CONCRETE WASHOUT FACILITY TO MAINTAIN WATER QUALITY. DURING CONSTRUCTION, STORMWATER RATES AND VOLUME WILL BE MAINTAINED DURING AND AFTER CONSTRUCTION BY NOT SIGNIFICANTLY INCREASING THE IMPERVIOUS AREA.

GEOLOGY

NO GEOLOGIC CONDITIONS THAT MAY HAVE THE POTENTIAL TO CAUSE POLLUTION ARE ANTICIPATED.

POTENTIAL THERMAL IMPACTS

TO MINIMIZE THERMAL IMPACTS TO SURFACE WATERS, THE PROJECT HAS BEEN SEQUENCED AND DESIGNED TO MINIMIZE THE EXTENT AND DURATION OF EARTH DISTURBANCE. IMPERVIOUS AREA WILL NOT INCREASE SIGNIFICANTLY. ALSO, THE E & S PLAN HAS BEEN PREPARED UTILIZING THE APPROPRIATE E & S BMPs TO MAXIMIZE PROTECTION OF EXISTING DRAINAGE FEATURES AND VEGETATION. OVERALL, IT IS ANTICIPATED THAT THE PROJECT WILL PROTECT THE EXISTING AND DESIGNATED USES OF THE WATERS OF THE COMMONWEALTH TO THE GREATEST DEGREE PRACTICABLE.

PROJECT WASTE DISPOSAL

ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET.SEQ., 271.1 AND 287.1 ET.SEQ. NO BUILDING MATERIALS, WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED OR DISCHARGED AT THE SITE. ANTICIPATED WASTE MATERIALS FROM THIS PROJECT INCLUDE CONCRETE, STEEL, PLASTICS, SOIL AND ASPHALT. THE CONTRACTOR SHALL HAVE QUALIFIED PERSONNEL ON-SITE TO HANDLE AND DISPOSE OF HAZARDOUS MATERIALS IF DISCOVERED.



BMP MAINTENANCE INSTRUCTIONS

THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL PERMANENT AND TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES UNTIL FINAL STABILIZATION HAS BEEN ACHIEVED. A MAINTENANCE PROGRAM FOR E & S CONTROL FACILITIES IS PROVIDED BELOW.

DURING THE LIFE OF THE CONTRACT, COMPLY WITH ALL REQUIREMENTS OUTLINED WITHIN THE APPROVED EROSION AND SEDIMENT POLLUTION CONTROL PLAN (E&SPCP). MAINTAIN, REPLACE, REINSTALL AND/OR CLEAN ALL BMPs CALLED FOR IN THE E&SPCP.

COMPOST FILTER SOCK:

INSPECT COMPOST FILTER SOCK WEEKLY AND AFTER EVERY RUNOFF EVENT. COLLECTED SEDIMENTS MUST BE REMOVED AND DISPOSED OF AS DIRECTED. WHEN ACCUMULATION REACHES ONE HALF THE HEIGHT OF THE SOCK, REPAIR OR REPLACE DAMAGED AREAS AS DIRECTED. REMOVE AND REPLACE SOCK WITH NEW MATERIAL WHEN CLOGGED WITH SEDIMENT. AT COMPLETION OF PROJECT, IF DIRECTED TO LEAVE FILTER SOCK IN PLACE, SLIT OPEN SOCK TO EXPOSE COMPOST.

ROCK CONSTRUCTION ENTRANCE:

INSPECT ROCK CONSTRUCTION ENTRANCE WEEKLY AND AFTER EVERY RUNOFF EVENT. THE STRUCTURE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK SHALL BE MAINTAINED ON THE SITE OR BE READILY ACCESSIBLE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON THE ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

PUMPED WATER FILTER BAG:

PUMPED WATER FILTER BAGS SHALL BE INSPECTED DAILY. REPLACE THE BAG WHEN 50% OF THE SEDIMENT CAPACITY HAS BEEN FILLED AND/OR WHEN THERE IS A FAILURE. NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER INSPECTION.

CONCRETE WASHOUT FACILITY:

WASHOUT FACILITIES SHOULD BE INSPECTED DAILY TO ENSURE THE WASHOUT FACILITY HAS NOT BEEN DAMAGED BY CONSTRUCTION ACTIVITIES. NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER INSPECTION. REMOVE MATERIALS FROM WASHOUT FACILITY WHEN ACCUMULATION REACHES 50% CAPACITY. WASHOUT FACILITIES SHALL BE A MINIMUM OF 50 FEET AWAY FROM STORM DRAINS, CHANNELS, AND/OR SURFACE WATERS. ACCUMULATED MATERIALS SHALL BE REMOVED AND DISPOSED OF AT PROPERLY PERMITTED SPOILS SITE OR RECYCLED ON SITE.

FILTER BAG INLET PROTECTION:

FILTER BAG INLET PROTECTION SHALL BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

EROSION CONTROL MAT/BLANKET - TURF REINFORCEMENT MATTING:

EROSION CONTROL MAT/BLANKET(ECM/ECB) AND/OR TURF REINFORCEMENT MATTING (TRM) SHALL BE INSPECTED WEEKLY AND AFTER EVERY STORM EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED. INSPECT ANCHOR TRENCH, CHECK SLOTS, SEAMS AND ANCHOR. INSPECT SLOPES FOR EROSION, FORMATION OF RILLS AND/OR GULLIES AND VEGETATION. SHOULD EROSION, RILLS AND/OR GULLIES FORM, REMOVE ECM, REGRADE AND STABILIZE WITH PERMANENT SEED, SOIL SUPPLEMENTS, MULCH AND ECM. DAMAGED OR DISPLACED ECM SHALL BE RESTORED OR REPLACED WITHIN 5 CALENDAR DAYS.

REPLANTING AND OVERSEEDING:

IF VEGETATION COVERS LESS THAN 40% OF THE SOIL SURFACE, LIME, FERTILIZE AND SEED IN ACCORDANCE WITH CURRENT RECOMMENDATIONS FOR NEW SEEDINGS. IF VEGETATION COVERS MORE THAN 40% BUT LESS THAN 70% OF THE SOIL SURFACE, LIME, FERTILIZE AND OVERSEED IN ACCORDANCE WITH CURRENT RECOMMENDATIONS.

MOWING:

MOW ALL GRASSES, EXCEPT WETLAND PLANTS, AT LEAST TWICE EACH YEAR. MOW GRASSES SUCH AS TALL FESCUE IN EARLY SUMMER AFTER EMERGENCE OF THE HEADS ON COOL SEASON GRASSES. MOW AGAIN IN THE EARLY FALL TO PREVENT SEEDS OF ANNUAL WEEDS FROM MATURING. MOWING OF LEGUMES SUCH AS LESPEDEZA AND CROWN VETCH CAN BE LESS FREQUENT.

SHOULD ANY MEASURES CONTAINED WITHIN THIS PLAN PROVE INCAPABLE OF ADEQUATELY REMOVING SEDIMENT FROM ON-SITE FLOWS PRIOR TO DISCHARGE, ADDITIONAL MEASURES MUST BE IMMEDIATELY IMPLEMENTED BY THE CONTRACTOR. IN THIS EVENT THE CONTRACTOR SHALL CONTACT PENNDOT.

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTION OF ALL EROSION AND SEDIMENTATION CONTROLS AFTER EVERY STORM EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPLACEMENT, REGRAIDING, RESEEDING, ETC., MUST BE PERFORMED IMMEDIATELY.

SOIL DESCRIPTIONS

ArB & ArD, ARNOT-ROCK OUTCROP COMPLEX

THE ARNOT-ROCK OUTCROP COMPLEX SOILS MAKE UP APPROXIMATELY 75% OF THE MAP UNIT. SLOPES ARE 0% TO 8% FOR ArB SOILS AND 8% TO 25% FOR ArD SOILS. THESE SOILS ARE ON LEVELED LAND. DEPTH TO RESTRICTIVE LAYER (BEDROCK) IS 10 TO 20 INCHES. THE NATURAL DRAINAGE CLASS IS SOMEWHAT EXCESSIVELY DRAINED. AVAILABLE WATER TO A DEPTH OF 80 INCHES (OR RESTRICTED DEPTH) IS VERY LOW. SHRINK-SWELL POTENTIAL IS LOW. THESE SOILS ARE NOT FLOODED. THESE SOILS ARE NOT PONDED. THERE IS NO ZONE OF WATER SATURATION WITHIN A DEPTH OF 80 INCHES. THIS SOIL DOES NOT MEET HYDRIC CRITERIA.

CF, UDORTMENTS, CUT AND FILL:

THE UDORTMENTS, CUT AND FILL COMPONENT MAKES UP APPROXIMATELY 25% OF THE MAP UNIT. SLOPES ARE NOT DEFINED. THIS SOIL IS ON LEVELED LAND. DEPTH TO RESTRICTIVE LAYER IS GREATER THAN 80 INCHES. THE NATURAL DRAINAGE CLASS IS SOMEWHAT EXCESSIVELY DRAINED. AVAILABLE WATER TO A DEPTH OF 80 INCHES (OR RESTRICTED DEPTH) IS VERY LOW. SHRINK-SWELL POTENTIAL IS LOW. THIS SOIL IS NOT FLOODED. THIS SOIL IS NOT PONDED. THERE IS NO ZONE OF WATER SATURATION WITHIN A DEPTH OF 80 INCHES. THIS SOIL DOES NOT MEET HYDRIC CRITERIA.

SOIL CLASSIFICATIONS AND CHARACTERISTICS						
SYMBOL	NAME	SLOPE (%)	SOIL GROUP	HYDRIC SOIL OR COMPONENT	DEPTH TO WATER (FT.)	DEPTH TO BEDROCK (FT.)
ArB	Arnot-Rock outcrop complex	0 to 8	D	No	> 6.67	0.83 to 1.67
ArD	Arnot-Rock outcrop complex	8 to 25	D	No	> 6.67	0.83 to 1.67
CF	Cut and Fill Land	---	B	No	> 6.67	> 6.67

SOIL RESOLUTIONS	
SOIL USE LIMITATION	RESOLUTIONS
CUTBANKS CAVE (ArB, ArD & CF)	UTILIZE APPLICABLE OSHA STANDARD REGULATIONS FOR EXCAVATION AND PIPE TRENCHING OPERATIONS. EMBANKMENT CONSTRUCTION WILL UTILIZE COMPACTION TECHNIQUES AND STABILIZATION TO PREVENT EROSION AND SLOPE FAILURES.
CORROSIVE TO CONCRETE/STEEL (ArB, ArD & CF)	INSTALL PROPER COATINGS ON SURFACES EXPOSED TO SOILS.
DROUGHTY (ArB, ArD & CF)	TO ENSURE MOISTURE RETENTION, APPLY MULCH IMMEDIATELY TO AREAS WHERE VEGETATION IS TO BE ESTABLISHED.
EASILY ERODIBLE (ArB, ArD & CF)	IMMEDIATE STABILIZATION AND INSTALL PERIMETER CONTROLS.
LOW STRENGTH/LANDSLIDE PRONE (ArB, ArD & CF)	PRECAUTIONS SHOULD BE TAKEN TO PREVENT OVER-STEEPENING AND OVERLOADING OF SLOPES, REMOVAL OF LATERAL SUPPORTS, AND FAILURE TO PREVENT SATURATION OF SLOPES, OBTAIN FILL MATERIAL FROM AN OFF-SITE LOCATION.
SLOW PERCOLATION (ArB, ArD & CF)	LIMIT USE OF INFILTRATION BMPs, FIX EXISTING SINKHOLES WITH KNOWN BMPs.
POOR SOURCE OF TOPSOIL (ArB, ArD & CF)	OBTAIN TOPSOIL FROM OFF-SITE LOCATION, TEST SITE SOILS TO DETERMINE APPROPRIATE SOIL AMENDMENTS, AMEND SITE TOPSOILS TO INCREASE ORGANIC COMPONENTS AND NUTRIENTS AND IMPROVE TOPSOIL STRUCTURE.
FROST ACTION (ArB, ArD & CF)	LIMIT DATES OF EARTH MOVING, OBTAIN FILL MATERIAL FROM OTHER AREA OF SITE, OBTAIN FILL MATERIAL FROM AN OFF-SITE LOCATION.

ACKNOWLEDGMENT AND AGREEMENT FOR ELECTRONIC MEDIA AND PLAN INFORMATION

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SECTION 804 - SEEDING AND SOIL SUPPLEMENTS
SEED FORMULAS, SEE TABLE A.

FORMULA AND SPECIES	% BY WEIGHT	MINIMUM %		MAX % WEED SEED	SEEDING RATE LBS. PER 1000 S.F.
		PURITY	GERMINATION		
FORMULA B - RESIDENTIAL MIX					
PERENNIAL RYGRASS MIXTURE (LOLIUM PERENNE)	20	97	90	0.10	42.0 TOTAL 8.5
CREEPING RED FESCUE OR CHEWINGS FESCUE (FESTUCA RUBRA OR SSP COMMUTATE) (IMPROVED AND CERTIFIED)	30	97	85	0.10	12.5
KENTUCKY BLUEGRASS MIXTURE (POA PRATENSIS)	50	97	80	0.15	21.0
FORMULA T - TEMPORARY GRASS MIX					
OATS (AVENA SATIVA) (SPRING)	100	97	85	0.10	6.0 TOTAL 6.0
CEREAL RYE (SECALE CEREALE) (FALL)	100	97	85	0.10	6.0

804.3 CONSTRUCTION -

(A) GENERAL. SPREAD SEEDS WHERE INDICATED AT THE RATES SPECIFIED IN TABLE A, OR AS OTHERWISE INDICATED. SPREAD SEEDS WITHIN THE FOLLOWING DATES, OR AS OTHERWISE INDICATED OR DIRECTED.

FORMULA B - MARCH 15 TO JUNE 1
- AUGUST 1 TO OCTOBER 15

FORMULA T - MARCH 15 TO JUNE 1
- AUGUST 1 TO OCTOBER 15

WHERE PRODUCT CONDITIONS WARRANT, SEEDING DATES MAY BE EXTENDED. IF EXTENDED, EITHER APPLY FULL TREATMENT OR APPLY ONLY 50% OF THE PERMANENT SEEDING AND SOIL SUPPLEMENTS AND APPLY THE REMAINING 50% WITHIN THE NEXT SEEDING DATES, AS DIRECTED IN WRITING BY THE ENGINEER.

ON TOPSOILED AREAS, WHERE TEMPORARY SEEDING OR MULCHING HAS BEEN APPLIED, USE TILLAGE AND SOIL SUPPLEMENT PRIOR TO PERMANENT SEEDING.

ON UNTOPSOILED AREAS, WHERE TEMPORARY SEEDING OR MULCHING HAS BEEN APPLIED, PERMANENT SEED AND/OR SOIL SUPPLEMENTS MAY BE APPLIED WITHOUT TILLING.

(B) TILLAGE. ON TOPSOILED AREAS, 3:1 AND FLATTER, THOROUGHLY LOOSEN THE SURFACE, TO A DEPTH OF AT LEAST 2 INCHES, BY DISKING, HARROWING, OR BY OTHER ACCEPTABLE METHODS UNTIL THE TILLAGE IS SATISFACTORY. ON UNTOPSOILED AREAS, 3:1 AND FLATTER, TILL ONLY AS DIRECTED. ALSO, TILL OR SCARIFY AREAS WHEN THE SURFACE IS GLAZED OR CRUSTED.

CORRECT SURFACE IRREGULARITIES BY FILLING ANY DEPRESSIONS AND LEVELING ROUGH OR UNEVEN AREAS. REMOVE ALL METAL OBJECTS, STONES LARGER THAN 2 INCHES IN ANY DIMENSION, AND OTHER DEBRIS OR OBJECTS DEEMED TO BE DETRIMENTAL TO MAINTENANCE OPERATIONS.

(C) SOIL SUPPLEMENTS. UNIFORMLY APPLY SUPPLEMENTS TO THE AREAS TO BE SEEDED, EXCEPT AREAS TO BE SEEDED WITH FORMULA E. PROPERLY DOCUMENT BULK DELIVERY, AS SPECIFIED IN SECTION 804.2(a)2.

ON TOPSOILED AREAS, BLEND THE INITIAL SOIL SUPPLEMENTS INTO THE SOILS AT LEAST 2 INCHES, BY RAKING, DISKING, HARROWING, OR BY ANY OTHER ACCEPTABLE METHOD. THE BLENDING OF THE SUPPLEMENTS INTO THE SOIL MAY BE PERFORMED DURING TILLAGE OPERATIONS.

PRIOR TO PROJECT COMPLETION, APPLY SLOW-RELEASE NITROGEN FERTILIZER TO THE SURFACE OF FORMULA A, B, D, L AND W SEEDED AREAS. DO NOT APPLY SLOW-RELEASE NITROGEN FERTILIZER SUPPLEMENT TO FORMULA C SEEDED AREAS.

TEMPORARY SEEDING SPECIFICATIONS		
SEED TYPE	SEEDING DATE	SEEDING RATE LBS. PER 1000 SY
FORMULA T	MARCH 15 TO JUNE 1 AUGUST 1 TO OCTOBER 15	10
HAY OR STRAW MULCH *	OCTOBER 15 TO MARCH 1	1200

* HAY OR STRAW SHALL BE USED IN AREAS NEEDING EROSION PROTECTION DURING THE WINTER MONTHS AS SPECIFIED.

A TRACTOR DRAWN IMPLEMENT MAY BE USED TO "CRIMP" THE STRAW/HAY INTO THE SOIL. THIS METHOD IS LIMITED TO SLOPES NO GREATER THAN 3:1. MACHINERY SHOULD BE OPERATED ON THE CONTOUR. CRIMPING OF HAY/STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.

ASPHALT, EITHER EMULSIFIED OR CUT-BACK, CONTAINING NO SOLVENTS OR OTHER DILUTING AGENTS TOXIC TO PLANT OR ANIMAL LIFE, UNIFORMLY APPLIED AT THE RATE OF 31 GALLONS PER 1000 SQ. YARDS MAY BE USED TO TACK MULCH.

SYNTHETIC BINDERS (CHEMICAL BINDERS) MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH PROVIDED SUFFICIENT DOCUMENTATION IS PROVIDED TO SHOW THEY ARE NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES.

LIGHTWEIGHT PLASTIC, FIBER OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

APPLY SOIL SUPPLEMENTS AS FOLLOWS, UNLESS OTHERWISE INDICATED:

PULVERIZED AGRICULTURAL LIMESTONE - 800 LBS PER 1000 SY
10-20-20 ANALYSIS COMMERCIAL FERTILIZER - 140 LBS PER 1000 SY
38-0-0 UREAFORM FERTILIZER - 50 LBS PER 1000 SY
OR
32-0-0 TO 38-0-0 SULFER COATED UREA FERTILIZER - 50-59 LBS PER 1000 SY, AS DIRECTED
OR
31-0-0 IBDU FERTILIZER - 61 LBS PER 1000 SY

(D) MAINTENANCE. SATISFACTORILY MAINTAIN GRASS AND LEGUMES AREAS WITHIN GRADING LIMITS, UNTIL THE ENTIRE PROJECT HAS BEEN COMPLETED. MOW AS INDICATED AND DIRECTED.

CONTROL PROHIBITED AND NOXIOUS WEED GROWTH WITHIN THE RIGHT OF WAY BY HERBICIDE SPRAYING OR CUTTING. THESE PLANTS ARE DEFINED BY LAW.

AFTER SEEDING AND SOIL SUPPLEMENTS WORK ON A SLOPE HAS BEEN COMPLETED, IF A SLOPE FAILURE OCCURS, ONE WHICH REQUIRES REDRESSING, EXCAVATION, OR ESTABLISHMENT OF A NEW SLOPE, REAPPLY SOIL SUPPLEMENTS, THEN RESEED, AS SPECIFIED FOR THE ORIGINAL TREATMENT.

SECTION 805 - MULCHING

805.3 - CONSTRUCTION

(A) MULCHING SEEDED AREAS. PLACE MULCH OF THE TYPE INDICATED, IMMEDIATELY AFTER SEEDING OR WITHIN 48 HOURS AFTER SEEDING IS COMPLETED. UNLESS OTHERWISE INDICATED, PLACE ONLY WOOD OR STRAW FIBER OVER TOPSOILED AREAS. USE HAY, STRAW OR WOOD FIBER IN OTHER AREAS, AS INDICATED OR SPECIFIED.

PLACE HAY OR STRAW UNIFORMLY, IN A CONTINUOUS BLANKET, AT A MINIMUM RATE OF 1200 POUNDS PER 1000 SQUARE YARDS, OR AS OTHERWISE INDICATED. IF DIRECTED, INCREASE THE RATE OF APPLICATION, DEPENDING UPON THE MATERIAL USED, SEASON, SOIL CONDITIONS, OR METHOD OF APPLICATION. AN ACCEPTABLE MECHANICAL BLOWER MAY BE USED TO APPLY MULCH. MACHINES WHICH CUT MULCH INTO SHORT PIECES WILL NOT BE PERMITTED. ANCHOR MULCH WITH SPECIFIED MULCH BINDERS APPLIED AT THE FOLLOWING RATES

- RECYCLED CELLULOSE FIBER - 160 POUNDS PER 1000 SY
- WOOD FIBER - 160 POUNDS PER 1000 SY
- NON-ASPHALTIC EMULSION - AT MANUFACTURER'S RECOMMENDED RATE
- POLYVINYL ACETATE - AT MANUFACTURER'S RECOMMENDED RATE
- RECYCLED CELLULOSE FIBER/WOOD FIBER MIXTURE - 160 POUNDS PER 1000 SY

APPLY WOOD FIBER MULCH HYDRAULICALLY IN ACCORDANCE WITH THE MANUFACTURER'S TANK-MIXING INSTRUCTIONS. IT MAY BE INCORPORATED AS AN INTEGRAL PART OF THE SLURRY AFTER THE SEED AND SOIL SUPPLEMENTS HAVE BEEN THOROUGHLY MIXED. APPLY UNIFORMLY AT THE RATE OF 320 POUNDS PER 1000 SQUARE YARDS, UNLESS OTHERWISE INDICATED.

MULCH TEMPORARY SEEDED AREAS WITH HAY.

(B) MULCHING PLANTED AREAS. UNIFORMLY MULCH ENTIRE PLANT PIT BASINS, SHRUB BEDS, AND OTHER AREAS AS DIRECTED TO A LOOSE DEPTH OF 3 INCHES, OR AS INDICATED. DO NOT MULCH AREAS PLANTED WITH CROWWEED OR REFORESTATION AREAS.

PLACE MULCH EITHER BY HAND OR USING MECHANICAL SPREADING EQUIPMENT MANUFACTURED FOR THIS PURPOSE. TEST APPLICATION PROCEDURES TO ENSURE COMPLIANCE WITH DEPTH REQUIREMENTS. REDISTRIBUTE MULCH IN AREAS OF EXCESSIVE DEPTH. APPLY MULCH WITHIN 48 HOURS AFTER COMPLETION OF EACH PLANTED AREA.

(C) MAINTENANCE. PROPERLY MAINTAIN MULCHED AREAS UNTIL THE ENTIRE PROJECT HAS BEEN COMPLETED. PROMPTLY REAPPLY MULCH MATERIALS WHICH BECOME DISLODGED OR LOST DUE TO WIND, RAIN, FIRE OR OTHER CAUSES, AT INITIAL OR MODIFIED RATES, AS DIRECTED.

AFTER MULCHING WORK ON A SLOPE HAS BEEN SATISFACTORILY COMPLETED, IF A SLOPE FAILURE OCCURS, ONE WHICH REQUIRES REDRESSING, EXCAVATION OR THE ESTABLISHMENT OF A NEW SLOPE, REPLACE THE MULCH, AS DIRECTED.

CHANNELS AND TOPSOIL STOCKPILES MUST BE SEEDED IMMEDIATELY WITH FORMULA E. ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED AND WHICH WILL REMAIN EXPOSED FOR MORE THAN 72 HOURS, DURING GERMINATING PERIODS, MUST BE MULCHED AT THE RECOMMENDED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN ONE YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED WITH PERMANENT SEEDING.

RECOMMENDED PERMANENT SEEDING FOR THIS SITE IS FORMULA B.

PERMANENT SEEDING SPECIFICATIONS		
SEED TYPE	SEEDING DATE	SEEDING RATE LBS. PER 1000 SY
FORMULA B	MARCH 15 TO JUNE 1 AUGUST 1 TO OCTOBER 15	50

SOIL SUPPLEMENTS AND MULCHING RATES		
LIMESTONE LBS. PER 1000 SY	FERTILIZER LBS. PER 1000 SY	MULCHING STRAW LBS. PER 1000 SY
800	140	1200 OR 3 TONS PER ACRE

TEMPORARY STABILIZATION & PERMANENT STABILIZATION

- HAY OR STRAW MULCH MUST BE APPLIED 1200 LB/1000 SY (3.0 TONS PER ACRE)
- MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES 3:1 OR GREATER.
- STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.
- ALL SEEDING, SOIL SUPPLEMENTS AND MULCHING ITEMS ARE TO BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF PENNDOT PUBLICATION 408 SPECIFICATIONS OR APPROVED SPECIAL PROVISIONS.
- TOPSOIL STOCKPILES MUST BE SEEDED IMMEDIATELY WITH FORMULA E AND MULCHING.

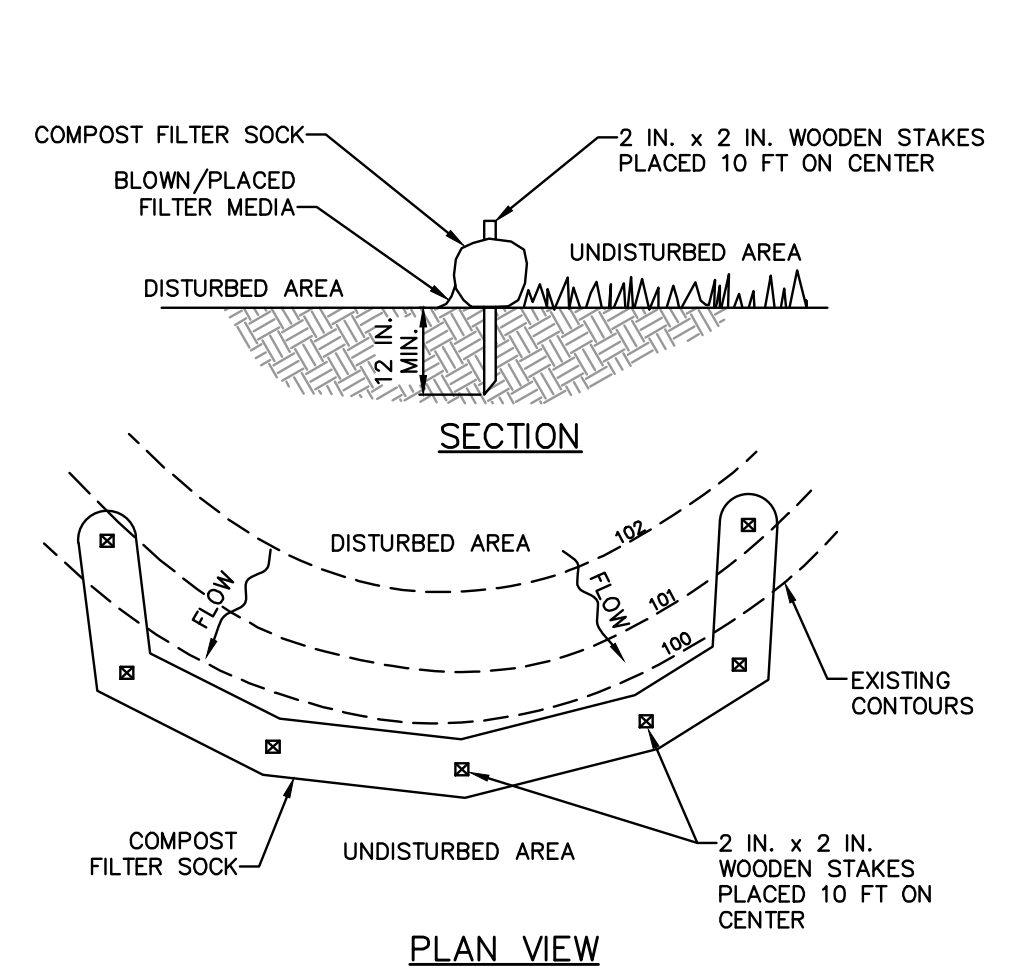
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	25 OF 29
TOWNSHIP OF PITTSSTON				
REVISION NUMBER	REVISIONS	DATE	BY	
1	PER PENNDOT REVIEW EMAIL OF 04-13-2026	04-20-2026	GK	





NOTES:

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE, BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

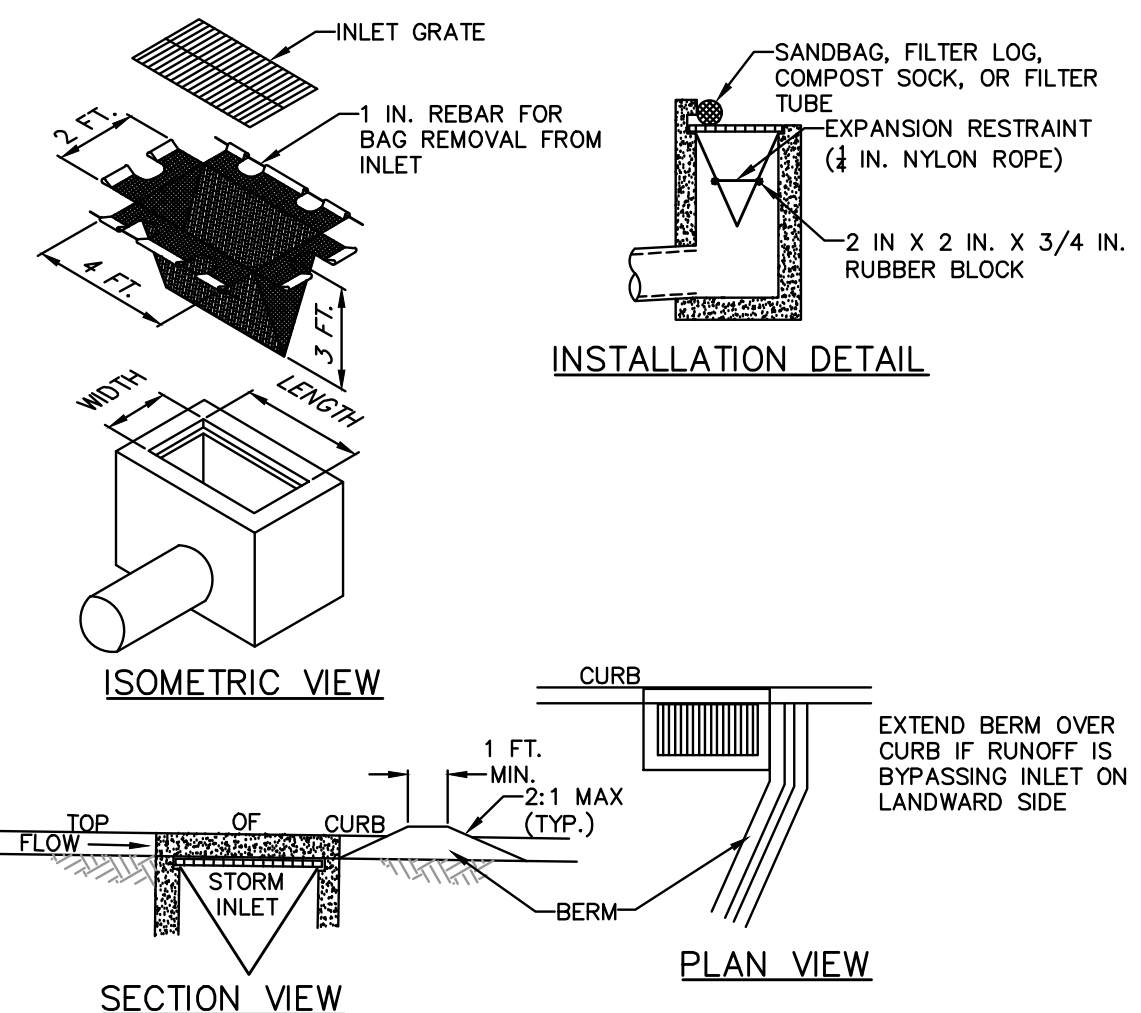
ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK
NOT TO SCALE



NOTES:

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

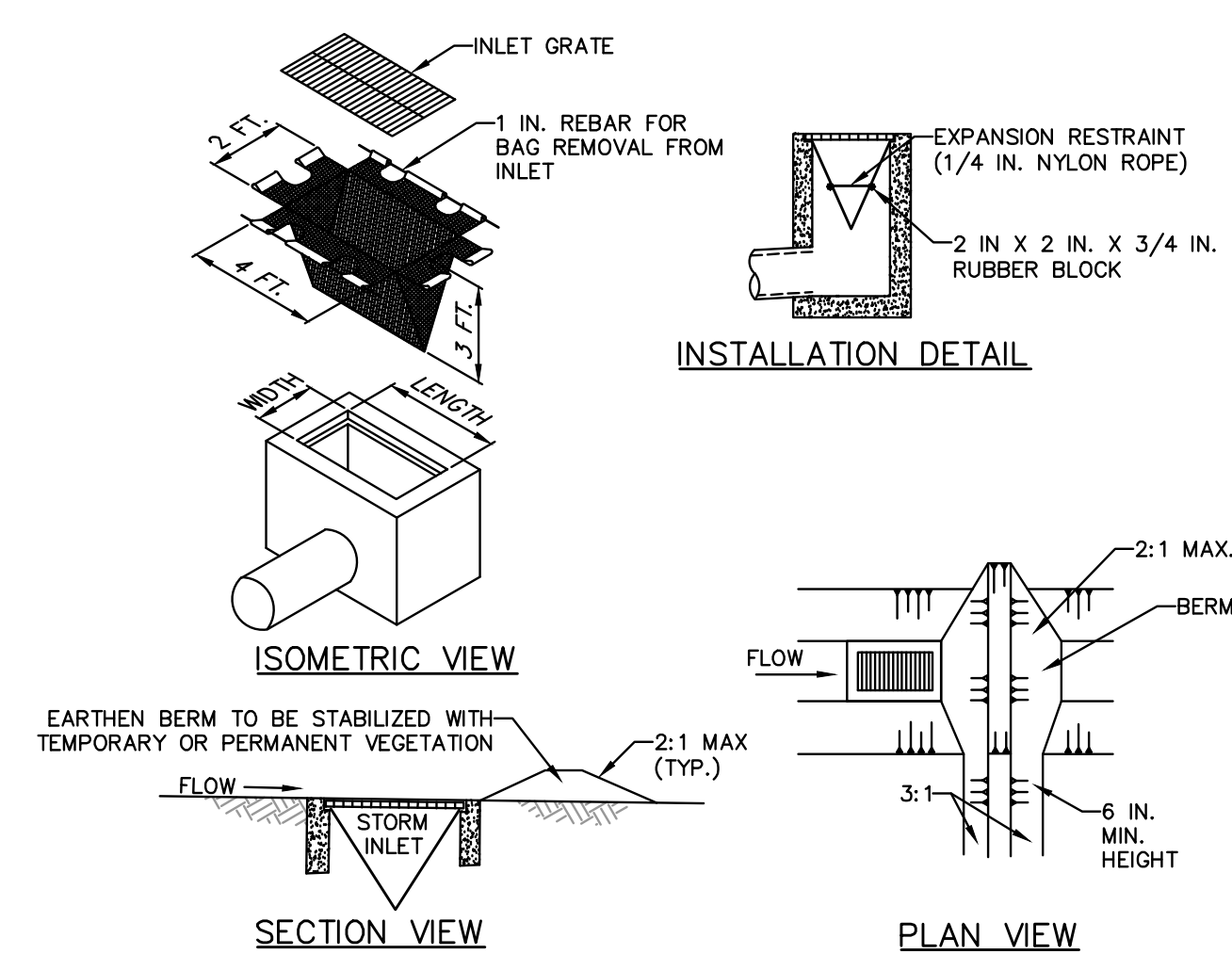
INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

STANDARD CONSTRUCTION DETAIL #4-15
FILTER BAG INLET PROTECTION - TYPE C INLET
NOT TO SCALE



NOTES:

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

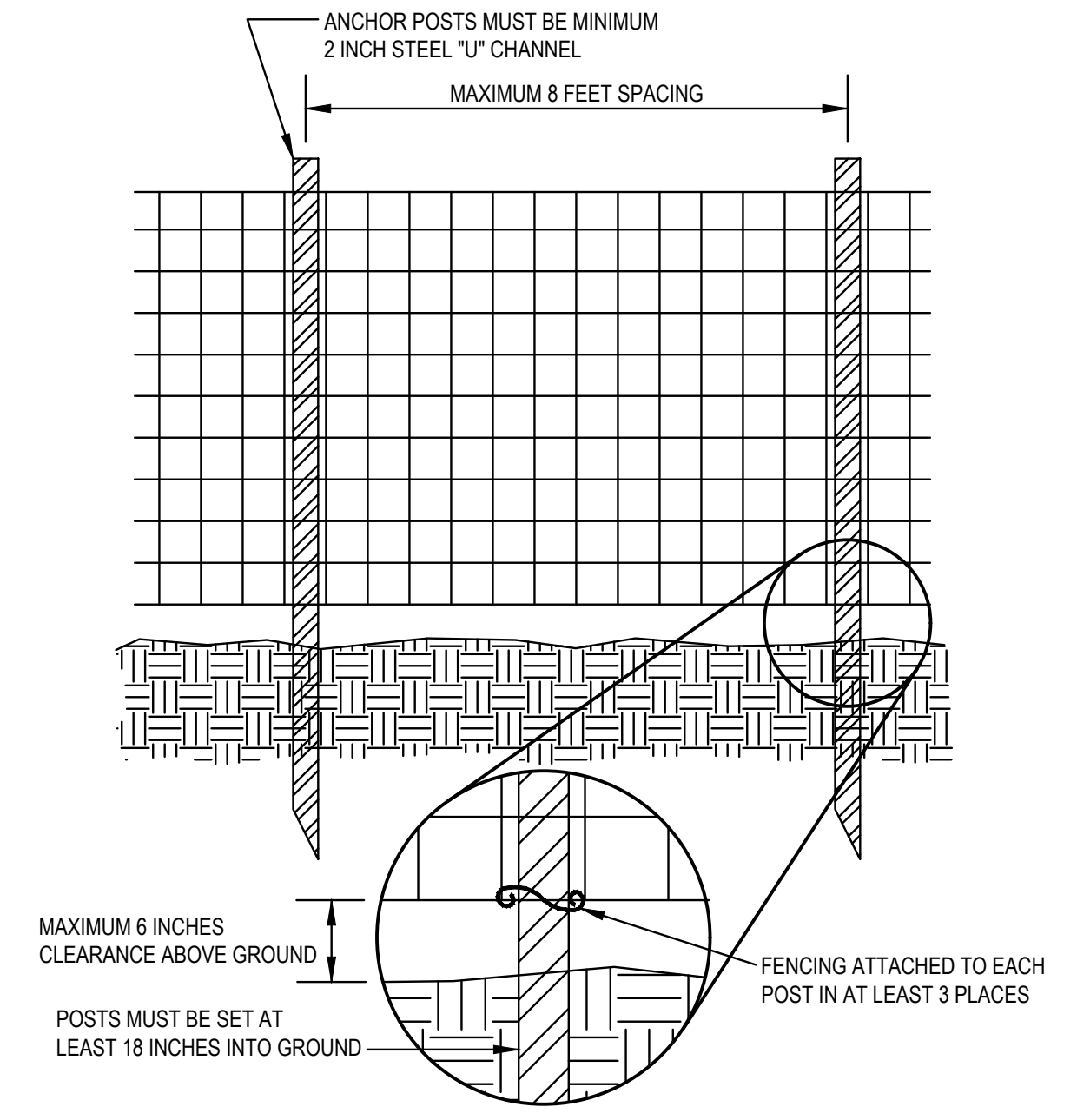
ROLLED EARTHEN BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.

AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

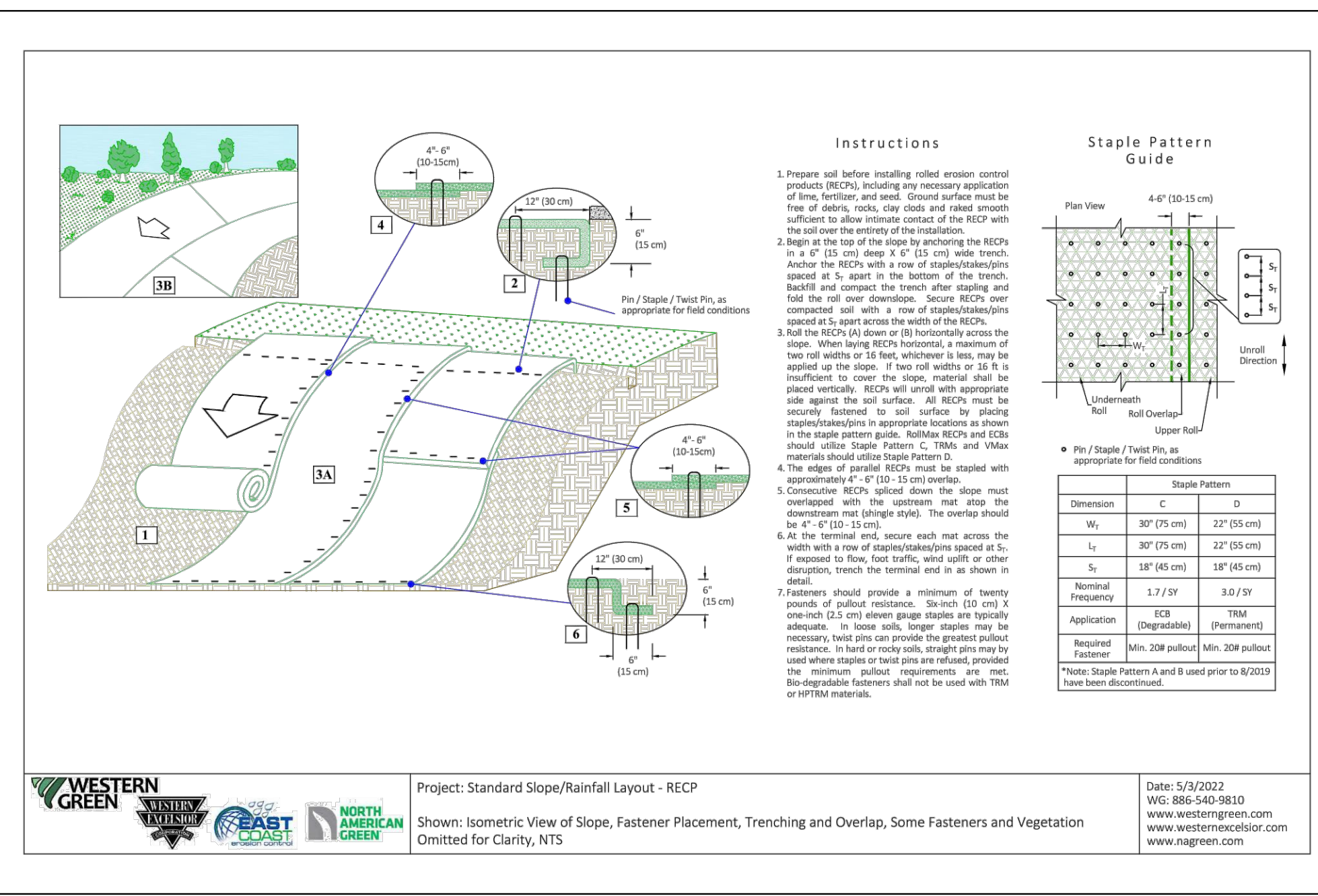
STANDARD CONSTRUCTION DETAIL #4-16
FILTER BAG INLET PROTECTION - TYPE M INLET
NOT TO SCALE



NOTES:

- PROTECTION BARRIER SHALL BE 4 FEET HIGH, CONSTRUCTED OF DURABLE AND HIGHLY VISIBLE MATERIAL. (PLASTIC ORANGE CONSTRUCTION FENCE AND SNOW-FENCE MAY BE USED).
- PROTECTION BARRIERS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE WORK AT THE SITE.
- ADDITIONAL WARNING SIGNS SHOULD ALSO BE PLACED ON THE FENCING AND IN APPROPRIATE AREAS NEAR THE WORK ZONE.

BARRIER FENCING
ORANGE SAFETY FENCE DETAIL
N.T.S.



MATERIAL PROPERTY DATA SHEET

BioNet® SC150BN™
Extended Term • Double Net • Coconut/Straw Matrix • Biodegradable • Erosion Control Blanket

DESCRIPTION

SC150BN Extended Term Erosion Control Blanket consists of 30% coconut fibers and 70% weed free agricultural straw manufactured into a continuous matrix. The coconut/straw matrix is confined by a biodegradable, jute/corn net on top and bottom, mechanically (stitch) bound on two-inch centers with a biodegradable, cotton thread. SC150BN is intended for slope and channel erosion control applications requiring up to twenty-four months of functional longevity. The material is fully degradable. The net, thread, and the fiber matrix is biodegradable. Actual field longevity is dependent on soil and climatic conditions.

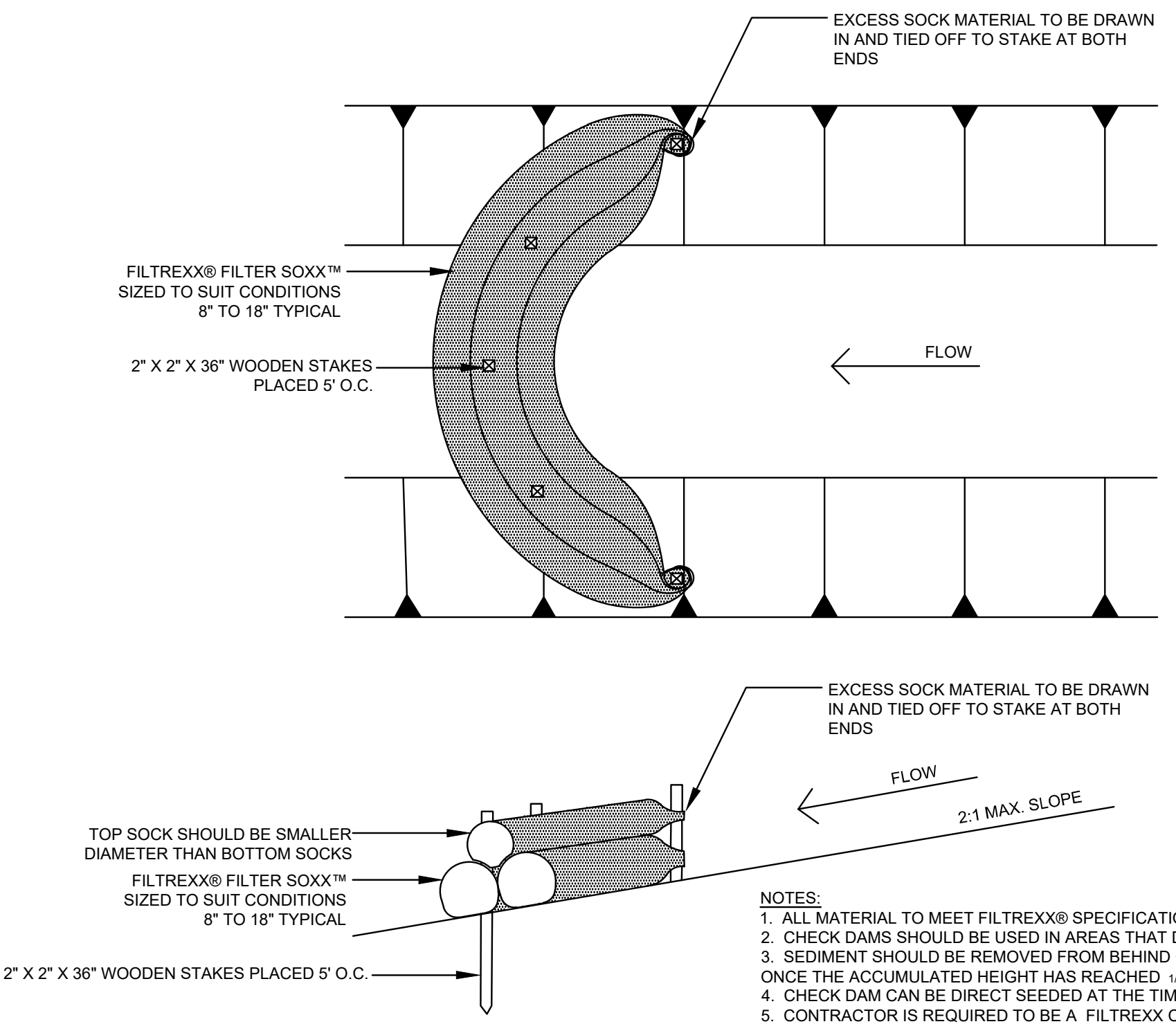
Each roll of SC150 is made in the USA and manufactured under Western Green's Quality Assurance Program to ensure a continuous distribution of fibers and consistent thickness.

Material Content		Index Property		Test Method		Typical	
Matrix	Straw/Coconut	Thickness	ASTM D6525	0.30 in.	(8 mm)		
Netting	Top & Bottom Net: Jute Strips, Biodegradable, Leno Weave	Mass/Unit Area	ASTM D6566	8.5 oz/yd	(290 g/m ²)		
		Tensile Strength - MD	ASTM D6818	210 lbs/ft	(13.1 kN/m)		
Thread	Biodegradable Cotton or Rayon	Tensile Strength - TD	ASTM D6818	190 lbs/ft	(2.8 kN/m)		
		Elongation - MD	ASTM D6818	15%			
		Elongation - TD	ASTM D6818	15%			
		Density/Specific Gravity	D792	N/A			
		Light Penetration	ASTM D6567	12%			
		Biomass Improvement	ASTM D7322	500%			
		Water Absorption	ASTM D1117	300%			
Standard Roll Sizes		Design Parameters					
Width	8 ft. (2.4 m)	Permeability	ASTM D6567	N/A			
Length	112 ft. (34.1 m)	Permissible Shear Stress ¹	2.1 psf (100 Pa)	N/A			
Weight ± 10%	53 lb. (24.1 kg)	Permissible Velocity ²	8.0 fps (2.4 m/s)	N/A			
Area	100 sq. (83.6 m ²)	Manning's n in Roughness (HEC-15)					
Material available in custom roll sizes							
Approvals & Classification							
Classification	FHWA: Type 3.8 / ECTC: Type 3.8						
TTI Approvals	N/A						
NTPP Number	ECF-2020-01-019						

Disclaimer: The information contained herein may represent product index data, performance ratings, bench-scale testing or other scientific specifications. Each representation may have unique and specific limitations. Every effort has been made to ensure accuracy, however, the warranty is limited and the liability shall be limited by Western Green or its affiliates regarding the completeness, accuracy and the reliability of the information. Western Green or its affiliates shall not be held responsible for any information, values shown may be derived from interpolation or adjustment to be representative of intended use. For further information, please visit the correct Western Green.

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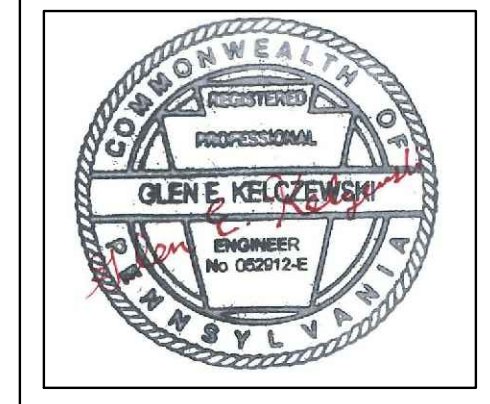
Rev. 4.2023
Scan for additional and updated product information, or click here.



NOTES:

- ALL MATERIAL TO MEET FILTERREXX® SPECIFICATIONS.
- CHECK DAMS SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
- SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 1/2 THE HEIGHT OF THE CHECK DAM.
- CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.
- CONTRACTOR IS REQUIRED TO BE A FILTERREXX CERTIFIED INSTALLER.

FILTREXX® CHECK DAM OPTION 2
N.T.S.



ACKNOWLEDGMENT AND AGREEMENT FOR ELECTRONIC MEDIA AND PLAN INFORMATION

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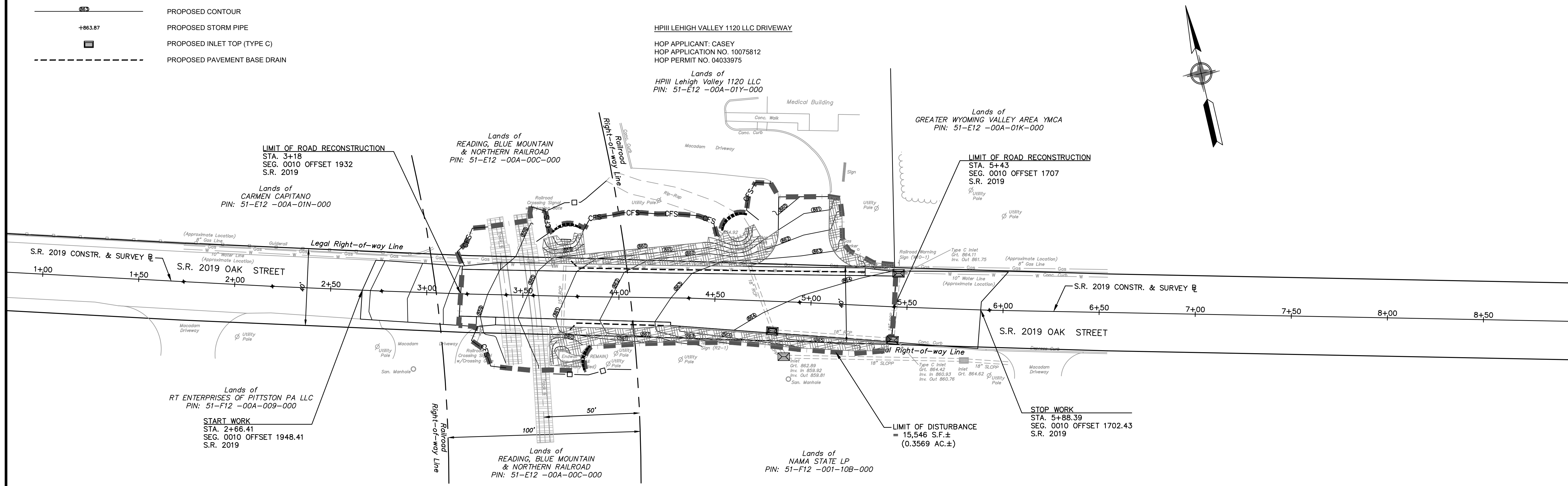
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4 - 0	LUZERNE	2019	----	27 OF 29
TOWNSHIP OF PITTSSTON				
REVISION NUMBER	REVISIONS	DATE	BY	
1	PER PENNDOT REVIEW EMAIL OF 04-13-2026	04-20-2026	GK	

LEGEND

- PROPERTY BOUNDARY
- ROAD RIGHT-OF-WAY
- RAILROAD RIGHT-OF-WAY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING CURB
- EXISTING GUIDERAIL
- EXISTING UTILITY POLE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING SANITARY MAIN
- EXISTING STORM PIPING
- EXISTING INLET (TYPE C)
- EXISTING INLET (TYPE M)
- PROPOSED CONTOUR
- PROPOSED STORM PIPE
- PROPOSED INLET TOP (TYPE C)
- PROPOSED PAVEMENT BASE DRAIN

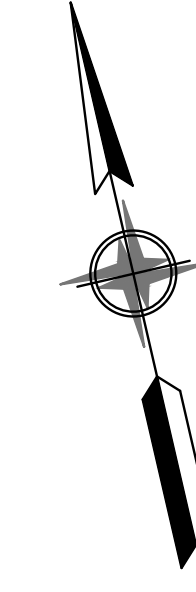
E & S LEGEND

- 18" DIA. COMPOST FILTER SOCK
- ORANGE PROTECTION FENCING
- INLET PROTECTION [TYPE C FILTER BAG]
- INLET PROTECTION [TYPE M FILTER BAG]
- COMPOST FILTER SOCK CHECK DAM
- EROSION CONTROL BLANKET (NAG SC150BN)
- LIMIT OF DISTURBANCE



Scale : 1" = 25'

PLAN



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