

DISTRICT	COUNTY	CITY	BOROUGH	ROUTE	SECTION	TOTAL SHEETS
4-0	LUZERNE	-	HANOVER TOWNSHIP	D&L TRAIL	TAS	35
			FAIRVIEW TOWNSHIP			
			LAUREL RUN			

ECMS NO. 118432

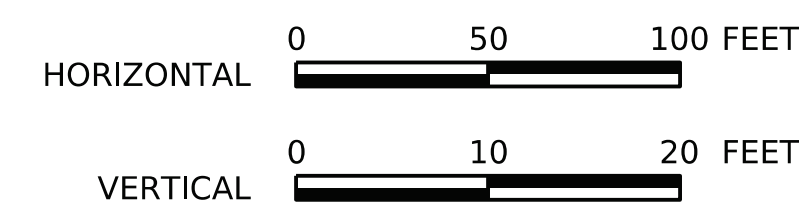
**ALSO INCLUDED**

EROSION AND SEDIMENT POLLUTION CONTROL PLAN	15 SHEETS
CROSS SECTIONS	12 SHEETS
POST CONSTRUCTION STORMWATER MANAGEMENT	14 SHEETS

**ANTHRACITE SCENIC TRAILS ASSOCIATION**  
**DRAWINGS**  
**FOR**  
**CONSTRUCTION**  
**OF**  
**D&L TRAIL: OLIVER MILLS TO MOUNTAIN TOP SECTION**  
**IN LUZERNE COUNTY**

FROM STA. 769+80.00 TO STA. 1017+00.00 LENGTH 23931.52 FT. 4.532 MI.

**SCALE**



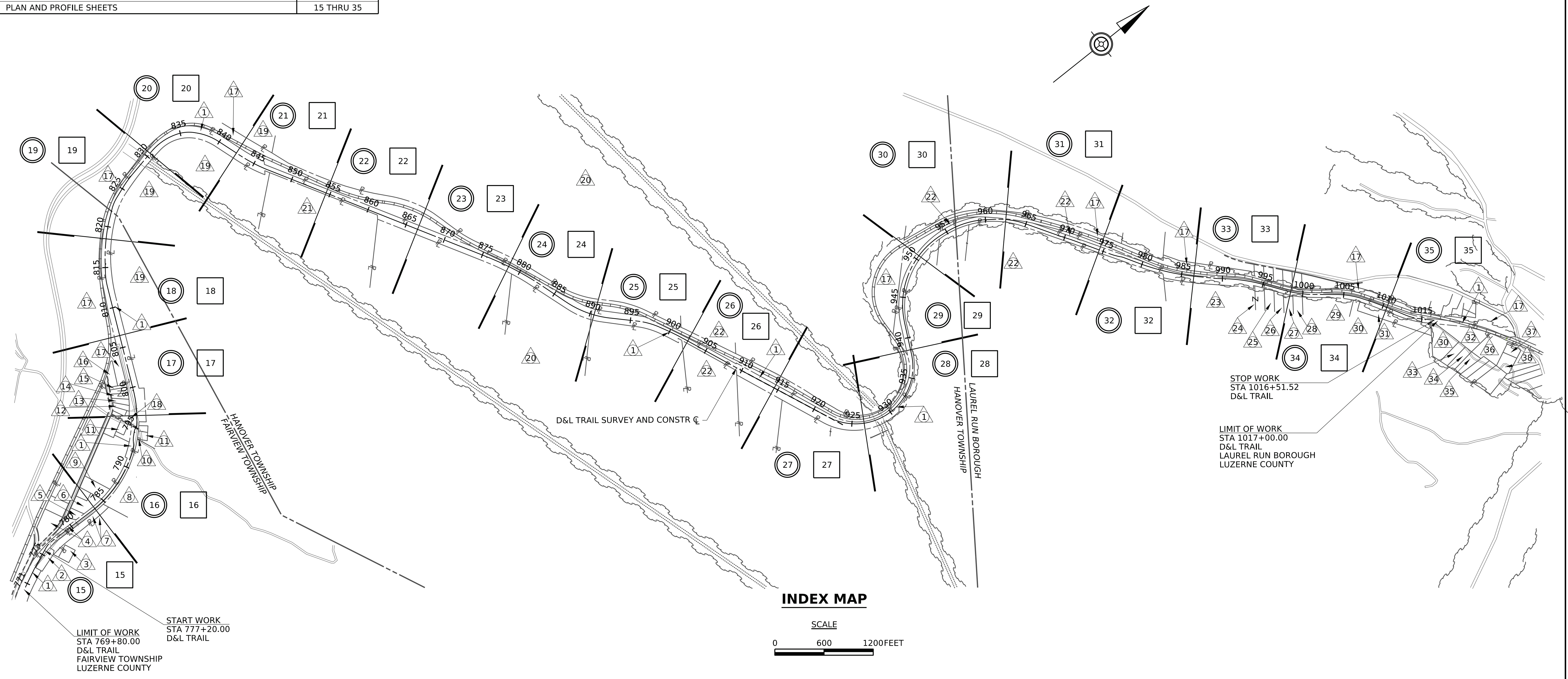
PREPARED BY: <b>Greenman-Pedersen, Inc.</b> 52 GLENMAURA NATIONAL BLVD SUITE 302 SCRANTON, PA 18507    <i>Cody J. Podes</i> REGISTERED PROFESSIONAL ENGINEER DATE: 10/30/2025	RECOMMENDED DATE: <u>12/17/2025</u>  _____ FOR DISTRICT EXECUTIVE
	APPROVED DATE: <u>October 30, 2025</u>  <i>Richard M. Code</i> ANTHRACITE SCENIC TRAILS ASSOCIATION REPRESENTATIVE

FILE NAME: X:\ISCR-2015\402.01\_ASTA Trail\Mile 71.03\_Oliver Mills Trail\Oliver Mills Trail\Plans\01\_Constr\40ASTA\_C01-002-IND01.dgn  
 PLOTTED: 9-DEC-2025 16:24  
 GREENMAN-PEDERSEN, INC.

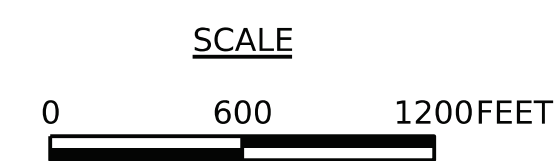
**SHEET INDEX**

DESCRIPTION	SHEET
TITLE SHEET	1
INDEX MAP	2
LOCATION MAP AND GENERAL NOTES	3
PROJECT COORDINATES	4
TYPICAL SECTIONS	5
DETAILS	6
DETAILS - PLAN VIEWS	7 THRU 9
SUMMARY SHEET	10
TABULATION OF QUANTITIES	11 THRU 14
PLAN AND PROFILE SHEETS	15 THRU 35

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	2 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



**INDEX MAP**

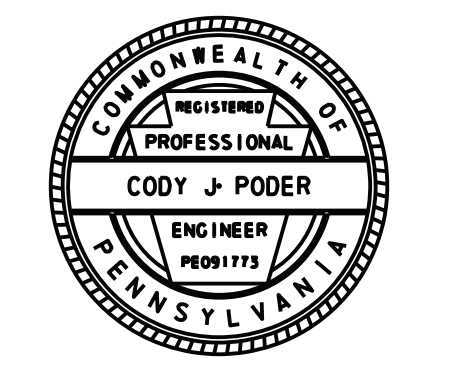


**LEGEND**

- PLAN SHEET
- PROFILE SHEET
- PARCEL IDENTIFICATION NUMBER - NO TAKE
- SHEET LIMIT

**TABULATION OF PROPERTY OWNERS**

ANTHRACITE SCENIC TRAIL ASSOC.	EILEEN ETAL HELLER	READING, BLUE MOUNTAIN & NORTHERN RAILROAD COMPANY	STEWART G & DONNA GASSNER	MELISSA ALBERS
ERIC & DIANE HOLLOCK	PA LUZERNE COUNTY PENOBSCOT MTN LLC	DAVID B & SHERRI ANNE BARLEY	SAMUAL N. WAICHULIS	GARY D. & DOLLY L. BELLES
ANTHONY P & LORI A RODGERS	ROBERT & ELIZABETH BARLEY	EARTH CONSERVANCY	LESTER L HOCKMAN	JOSEPH L. SKRIPS
MT. TOP HOSE CO. 1	RYAN ROSENTHAL	COMMONWEALTH OF PENNSYLVANIA	ELMER & RAWLEEN J LEEDS	JUDITH ETAL COOPEY MYERS
DONALD & HYON SUKROSKOWSKI	JOHN W. DAVIS JR.	WYOU-TV	PETER & MONA ATIE	GEORGE & MARY BABCOCK
MARK THEODORE HOLLOCK	HONDO R & RUTH E NOBEL	PAGNOTTI ENTERPRISES INC.	SHARON KOPKO	LAUREL RUN BORO
THEODORE HOLLOCK	RONALD DECKER	DAVID L GUTKOWSKI	MARY ETAL HEISER	
NORTHEASTERN PENNSYLVANIA EDUCATIONAL TELEVISION ASSOCIATION	RYAN FOWLER	PAULETTE A KNAPKO	DONALD & KATHLEEN MYERS	



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	3 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD

**TABULATION OF OVERALL LENGTH**

STA 769+80.00 TO STA 1017+00.00 = 24720 FT = 4.682 MI

**TABULATION OF CONSTRUCTION LENGTH**

STA 777+20.00 TO STA 1016+51.52 = 23931.52 FT = 4.532 MI

**PA ONE CALL SYSTEM**

PENNSYLVANIA ONE CALL SYSTEM, INC.  
1-800-242-1776  
SERIAL NO 2025-112-4389 FAIRVIEW TOWNSHIP  
SERIAL NO 2025-112-4390 LAUREL RUN BOROUGH  
SERIAL NO 2025-112-4391 HANOVER TOWNSHIP

THE LEGAL RIGHT-OF-WAY FOR THE TRAIL FROM STATION 769+80.00 TO STATION 1017+00.00 VARIES BETWEEN 55 FEET AND 200 FEET BASED ON DEED BOOK 3001, PAGE 246527 RECORDED ON DECEMBER 19, 2001, IN THE LUZERNE COUNTY RECORDER'S OFFICE AND AS REFERENCED ON MAP BOOK 149, PAGE 1.

TRAIL DEVELOPMENT AND THE LIMIT OF WORK IS CONFINED TO THE LIMITS SHOWN ON THE PLANS. THE LIMITS OF WORK ARE CONFINED ENTIRELY WITHIN LANDS IN POSSESSION OR UNDER EASEMENT BY THE ANTHRACITE SCENIC TRAILS ASSOCIATION.

REMOVE BUILDINGS AND STRUCTURES MARKED **R** UNDER THE ITEM FOR CLEARING AND GRUBBING.

UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND DETERMINED FROM VISIBLE LOCATION, ACT 187 UTILITY RESPONSES AND/OR BEST AVAILABLE PLAN INFORMATION. GREENMAN-PEDERSEN, INC. CANNOT GUARANTEE THE EXACT LOCATION OF ANY UNDERGROUND UTILITIES. NO SUBSURFACE INVESTIGATIONS WERE PERFORMED AS PART OF THIS PROJECT. ALL UNDERGROUND UTILITY CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR.

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 ACT 50 (P.L. 852, NO. 287 AMENDED OCT. 30, 2017).

THREE WORKING DAYS PRIOR TO EXCAVATION THE CONTRACTOR MUST CONTACT THE PA ONE-CALL SYSTEM INC. PHONE 1-800-242-1776. SERIAL NO. \_\_\_\_\_ FOR FAIRVIEW TOWNSHIP, SERIAL NO. \_\_\_\_\_ FOR LAUREL RUN BOROUGH, SERIAL NO. \_\_\_\_\_ FOR HANOVER TOWNSHIP. ADDITIONAL INFORMATION IS AVAILABLE AT [HTTPS://WWW.PA1CALL.ORG/PA811/PUBLIC/](https://www.pa1call.org/pa811/public/).

THE HORIZONTAL CONTROL IS BASED ON AN ASSUMED COORDINATE SYSTEM. GROUND DISTANCES WERE USED FOR ALL OTHER TRAVERSE POINTS.

THE VERTICAL CONTROL IS BASED ON AN ASSUMED DATUM.

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

RC-10M	JUNE 1, 2010	TC-8600	JUNE 13, 2013
RC-13M	JUNE 1, 2010	TC-8702C	JUNE 13, 2013
RC-30M	DEC. 18, 2024		
RC-70M	FEB. 8, 2019		
RC-75M	JUNE 1, 2010		
RC-77M	DEC. 17, 2019		

THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO BEGINNING WORK. REPORT DISCREPANCIES TO THE REPRESENTATIVE IN ADVANCE OF THE START OF CONSTRUCTION. SLIGHT DEVIATION TO THE TRAIL GEOMETRY IS ALLOWED IN ORDER TO MINIMIZE DISTURBANCE AT THE DISCRETION OF THE REPRESENTATIVE.

REFER TO MAINTENANCE AND PROTECTION OF TRAFFIC SPECIAL PROVISION (ITEM 0901-0001) FOR PROJECT SPECIFIC TRAFFIC CONTROL SPECIFICATIONS.

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

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

**PPL ELECTRIC UTILITIES CORPORATION**

827 HAUSMAN RD, LEHSC-2  
ALLENTOWN, PA 18104  
ATTN: CHARLOTTE KRUPA  
TELE: (610) 774-6287

— EA — EXISTING

**PENNSYLVANIA AMERICAN WATER COMPANY**

1909 OAKLAND AVENUE  
INDIANA, PA 15701  
ATTN: RICHARD DUDEK  
TELE: (570) 351-0129

— W — EXISTING

**SERVICE ELECTRIC CABLE TV & COMM**

LVIP #1, 2280 AVENUE A  
BETHLEHEM, PA 18017-2170  
ATTN: MIKE LABUDA  
TELE: (610) 476-2129

— CTVA — EXISTING

**UGI**

P.O. BOX 4927  
262 CONESTOGA STREET  
LANCASTER, PA 17604  
ATTN: NICHOLAS MILLER  
TELE: (570) 829-9943

— G — EXISTING

**LOOP INTERNET**

46 E LIBERTY ST  
SCRANTON, PA 18706  
ATTN: CHRISTOPHER HACKEN  
TELE: (888)-808-5667

— FOA — EXISTING

**FAIRVIEW TOWNSHIP LUZERNE COUNTY**

65 SHADY TREE DR  
MOUNTAIN TOP, PA 18707  
ATTN: TIM MCGINNIS  
TELE: (570)-760-9645

— S — EXISTING

**TOWNSHIP OF HANOVER**

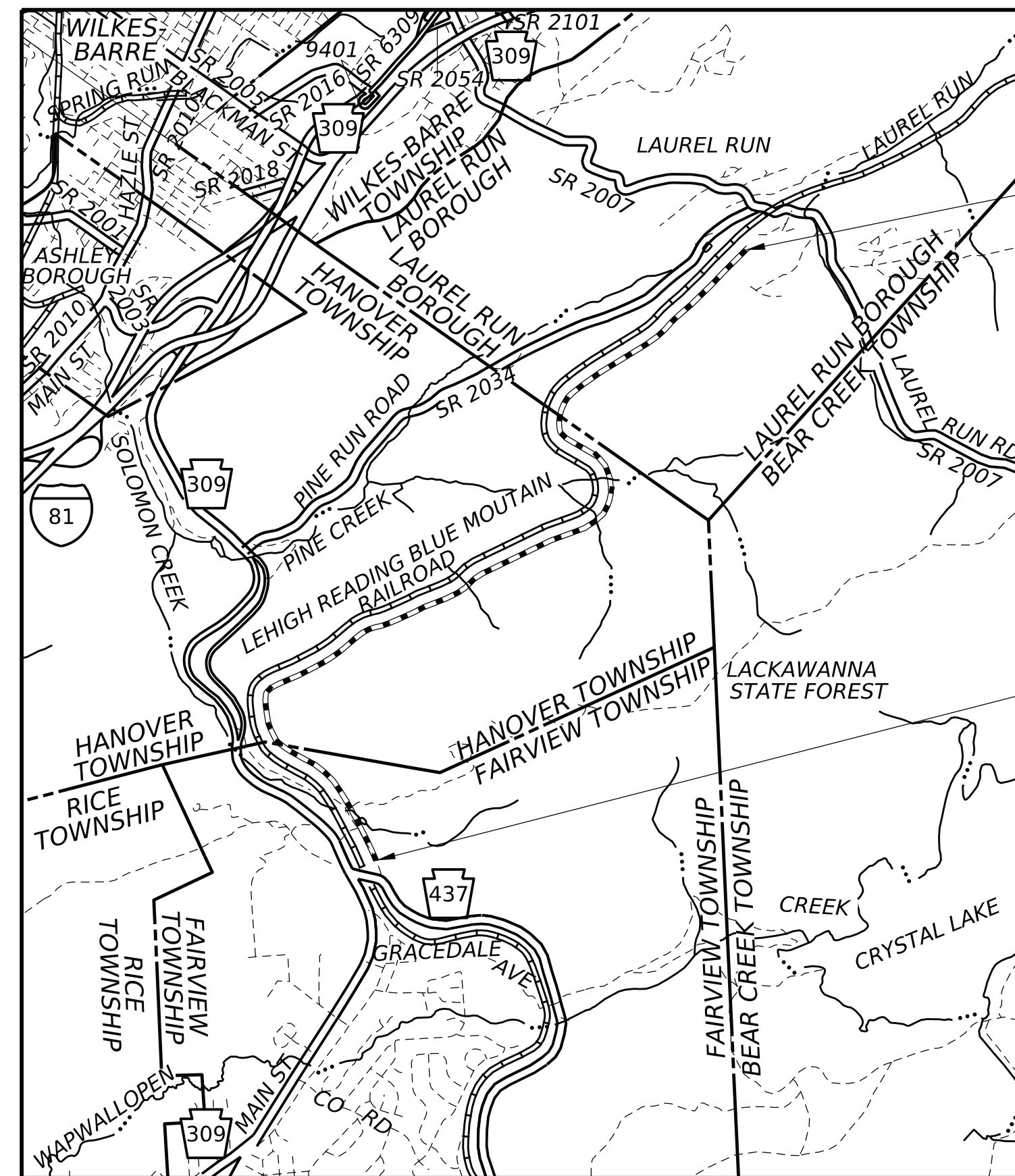
1267 SANS SOUCI PARKWAY  
HANOVER TWP, PA 18706  
ATTN: SAM GUESTO  
TELE: (570) 825-1271

— S — EXISTING

**MOUNTAIN TOP AREA JOINT SANITARY AUTHORITY**

290 MORIO DR  
MOUNTAIN TOP, PA 18707  
ATTN: JEFF MYLET  
TELE: (570) 678-7411 EXT 21

— S — EXISTING



LIMIT OF WORK  
STA 1017+00.00  
D&L TRAIL  
LAUREL RUN BOROUGH  
LUZERNE COUNTY

LIMIT OF WORK  
STA 769+80.00  
D&L TRAIL  
FAIRVIEW TOWNSHIP  
LUZERNE COUNTY

**LOCATION MAP**

SCALE IN MILES



**LEGEND**

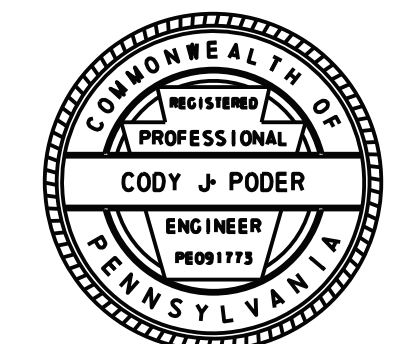
- PROJECT
- ==== STATE HIGHWAY
- TOWNSHIP ROADS
- LOCAL ROADS
- MUNICIPAL BOUNDARY
- STREAM
- ==== RAILROAD

**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.

CLASS 1	CUBIC YARDS OF EXCAVATION						CUBIC YARDS OF COMPLETED * EMBANKMENT	CUBIC YARDS OF BORROW EXCAVATION	CUBIC YARDS OF SELECT BORROW	CUBIC YARDS OF WASTE
	CLASS 1A	CLASS 1B	CLASS 1C	CLASS 2	CLASS 3	CLASS 4				
10416	-	-	-	-	-	-	660	-	-	9756

\* ALL BORROW ITEMS ARE INCLUDED AS EMBANKMENT



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	4 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD

### SUMMARY OF PROJECT COORDINATES

BASED ON STATE PLANE COORDINATE SYSTEM (NORTH ZONE-NAD83)

RTE.	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
D&L TRAIL SURVEY AND CONSTR C	770+50.00	POB	372319.7244	2483873.3711	
	772+98.05	PC	372543.6023	2483766.5756	N 25°30'08" W
	773+02.20	PI	372547.3476	2483764.7890	
	773+06.34	PT	372551.1860	2483763.2122	N 22°19'59" W
	775+90.04	PC	372813.6072	2483655.4086	
	776+42.47	PI	372862.1001	2483635.4875	
	776+93.40	PT	372914.5107	2483636.7260	N 01°21'13" E
	782+95.80	PC	373516.7436	2483650.9574	
	787+90.12	PI	374010.9246	2483662.6354	
	792+47.42	PCC	374406.1793	2483365.7766	N 36°54'31" W
	792+72.86	PI	374426.5252	2483350.4956	
	792+97.83	PT	374440.6936	2483329.3598	N 56°09'51" W
	793+25.21	PC	374455.9370	2483306.6202	
	793+57.96	PI	374474.1751	2483279.4133	
	793+90.42	PT	374498.1818	2483257.1306	N 42°52'01" W
	794+40.87	PC	374535.1577	2483222.8102	
	794+71.49	PI	374557.6012	2483201.9785	
	795+01.33	PT	374586.2803	2483191.2465	N 20°30'59" W
	795+09.78	PC	374594.1949	2483188.2847	
	795+22.14	PI	374605.7668	2483183.9544	
	795+34.01	PCC	374613.9898	2483174.7325	N 48°16'38" W
	797+49.35	PI	374757.3057	2483014.0073	
	799+61.46	PT	374846.7300	2482818.1112	N 65°27'50" W
	812+74.41	PC	375391.9549	2481623.7223	
	813+54.31	PI	375425.1369	2481551.0325	
	814+33.61	PT	375472.9796	2481487.0331	N 53°13'12" W
	815+43.30	PC	375538.6582	2481399.1745	
	817+60.81	PI	375668.8897	2481224.9631	
	819+76.91	PCC	375830.7143	2481079.6263	N 41°55'39" W
	820+29.41	PI	375869.7737	2481044.5466	
	820+81.86	PT	375911.3679	2481012.5131	N 37°36'05" W
	822+18.27	PC	376019.4393	2480929.2827	
	822+94.90	PI	376080.1537	2480882.5240	
	823+70.35	PT	376152.0852	2480856.0954	N 20°10'26" W
	825+06.76	PC	376280.1234	2480809.0524	
	826+11.97	PI	376378.8861	2480772.7656	
	827+16.79	PT	376481.9857	2480751.7591	N 11°30'59" W
	830+78.78	PC	376836.6878	2480679.4885	
	832+53.02	PI	377007.4186	2480644.7021	
	834+20.02	PT	377174.0205	2480695.7206	N 17°01'34" E
834+33.87	PC	377187.2662	2480699.7769		
835+61.28	PI	377309.0855	2480737.0816		
836+82.45	PT	377394.3551	2480831.7425	N 47°59'16" E	
837+03.36	PC	377408.3528	2480847.2818		
838+50.30	PI	377506.6950	2480956.4549		
839+93.03	PT	377552.8385	2481095.9566	N 71°41'50" E	
843+10.44	PC	377652.5191	2481397.3129		
844+98.19	PI	377711.4781	2481575.5586		
846+84.68	PT	377804.6077	2481738.5757	N 60°15'40" E	
875+60.72	PC	379231.2569	2484235.8293		
879+48.21	PI	379423.4658	2484572.2781		

### SUMMARY OF PROJECT COORDINATES

BASED ON STATE PLANE COORDINATE SYSTEM (NORTH ZONE-NAD83)

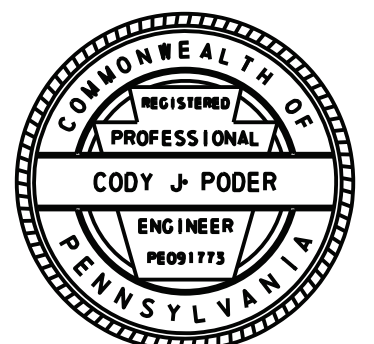
RTE.	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
D&L TRAIL SURVEY AND CONSTR C	883+32.71	PT	379539.6752	2484941.9232	N 72°32'52" E
	886+71.99	PC	379641.4261	2485265.5782	
	889+66.16	PI	379729.6502	2485546.2062	
	892+48.95	PT	379937.6593	2485754.2153	N 45°00'00" E
	895+87.50	PC	380177.0487	2485993.6047	
	897+25.85	PI	380274.8779	2486091.4339	
	898+62.05	PT	380338.8072	2486214.1292	N 62°28'43" E
	899+54.05	PC	380381.3210	2486295.7230	
	900+68.07	PI	380434.0044	2486396.8347	
	901+81.94	PT	380477.8427	2486502.0836	N 67°23'14" E
	909+75.43	PI	380782.9400	2487234.5739	
	922+00.34	PC	381266.2630	2488360.0966	N 66°45'37" E
	925+93.52	PI	381421.4023	2488721.3722	
	929+16.82	PT	381810.6415	2488776.8804	N 08°06'58" E
	929+18.63	PC	381812.4326	2488777.1358	
	934+22.08	PI	382310.8413	2488848.2124	
	937+90.03	PT	382533.7299	2488396.7882	N 63°43'20" W
	941+93.62	PC	382712.4065	2488034.9083	
	948+98.57	PI	383024.5062	2487402.8017	
	954+21.71	PT	383724.7320	2487484.3415	N 06°38'31" E
	954+94.09	PC	383796.6351	2487492.7145	
	957+57.41	PI	384058.1858	2487523.1715	
	960+09.04	PT	384270.8185	2487678.4896	N 36°08'47" E
	961+17.76	PC	384358.6075	2487742.6152	
	963+12.93	PI	384516.2126	2487857.7382	
	965+03.26	PT	384618.9622	2488023.6756	N 58°14'02" E
	969+43.48	PC	384850.7157	2488397.9502	
	969+61.30	PI	384860.1003	2488413.1060	
	969+79.12	PT	384870.0191	2488427.9177	N 56°11'29" E
	970+64.57	PC	384917.5621	2488498.9136	
	970+86.97	PI	384930.0292	2488517.5307	
	971+09.37	PT	384941.6499	2488536.6875	N 58°45'31" E
	975+84.99	PC	385188.3267	2488943.3344	
	976+54.41	PI	385224.3328	2489002.6906	
	977+23.49	PT	385270.0255	2489054.9570	N 48°50'21" E
	977+28.14	PC	385273.0891	2489058.4615	
	977+46.37	PI	385285.0831	2489072.1810	
	977+64.49	PT	385294.4000	2489087.8423	N 59°15'05" E
	979+37.38	PC	385382.7921	2489236.4250	
	983+13.44	PI	385575.0639	2489559.6243	
986+85.19	PT	385844.5895	2489821.8880	N 44°13'04" E	
989+17.83	PC	386011.3252	2489984.1313		
989+29.55	PI	386019.7202	2489992.3001		
989+41.25	PT	386028.6425	2489999.8893	N 40°23'03" E	
990+33.48	PC	386098.8951	2490059.6452		
992+74.84	PI	386282.7433	2490216.0240		
995+13.88	PT	386424.1116	2490411.6499	N 54°08'47" E	
997+78.40	PC	386579.0487	2490626.0522		
999+56.35	PI	386683.2746	2490770.2803		

### SUMMARY OF PROJECT COORDINATES

BASED ON STATE PLANE COORDINATE SYSTEM (NORTH ZONE-NAD83)

RTE.	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
D&L TRAIL SURVEY AND CONSTR C	1001+32.17	PT	386821.9183	2490881.8271	N 38°49'07" E
	1004+16.14	PC	387043.1685	2491059.8356	
	1005+66.76	PI	387160.5181	2491154.2501	
	1007+15.12	PT	387244.8520	2491279.0413	N 55°56'57" E
	1008+10.13	PC	387298.0459	2491357.7538	
	1008+39.04	PI	387314.2372	2491381.7126	
	1008+67.94	PT	387329.0170	2491406.5670	N 59°15'43" E
	1010+37.31	PC	387415.5817	2491552.1378	
	1010+67.10	PI	387430.8112	2491577.7484	
	1010+96.90	PT	387445.2511	2491603.8123	N 61°00'46" E
	1013+09.67	PC	387548.3626	2491789.9280	
	1014+06.12	PI	387595.1060	2491874.2996	
	1015+00.63	PT	387667.7699	2491937.7305	N 41°07'08" E
	1015+04.51	PC	387670.6874	2491940.2773	
	1015+24.57	PI	387685.8034	2491953.4726	
	1015+44.61	PT	387699.6249	2491968.0182	N 46°27'44" E
1016+51.52	POE	387773.2730	2492045.5246		

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

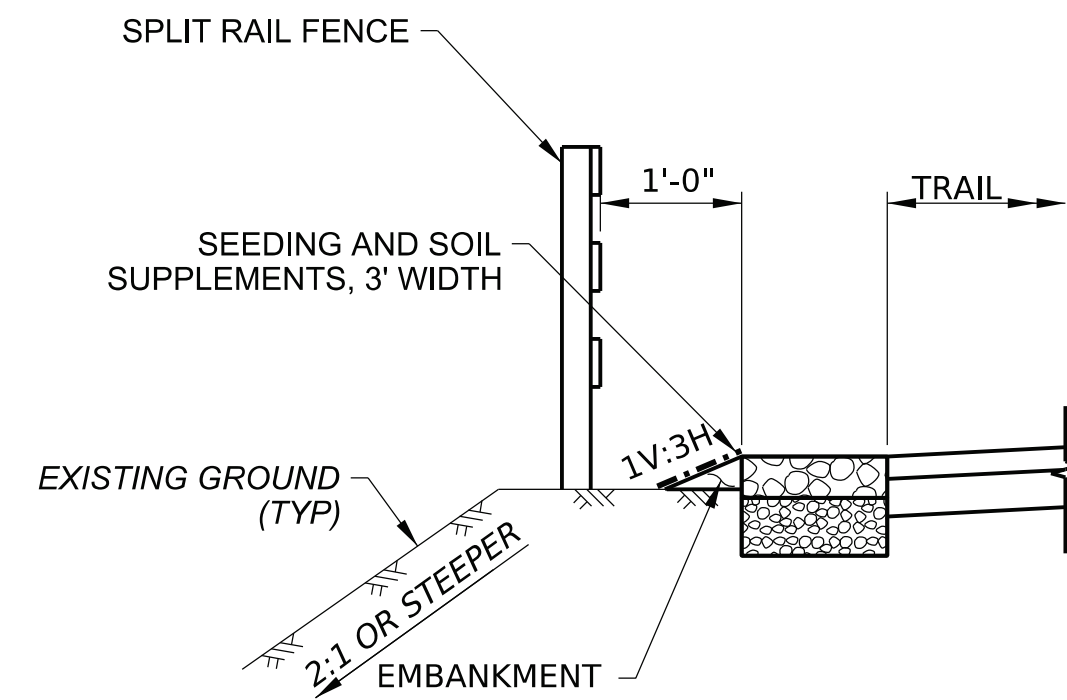


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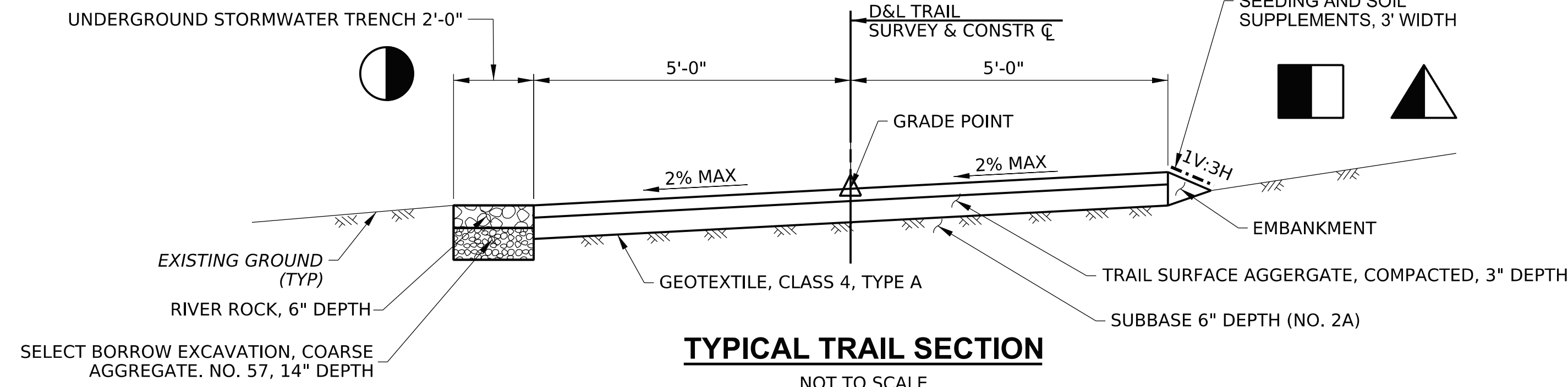
GREENMAN-PEDERSEN, INC.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	5 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



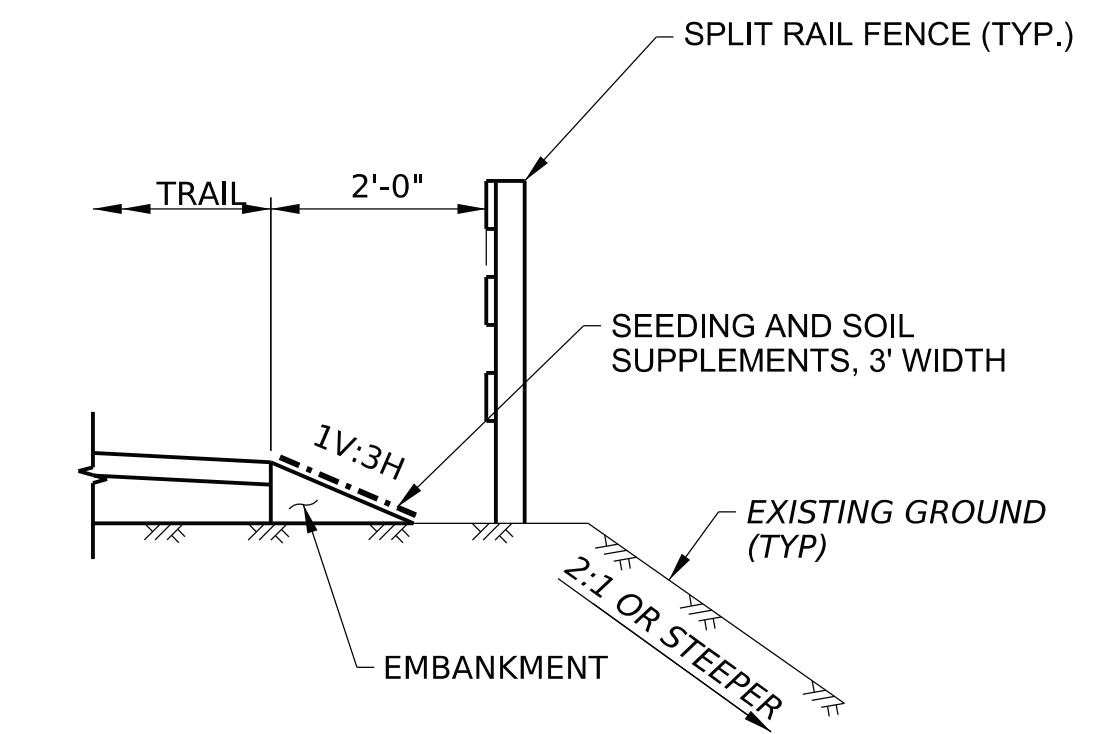
**ALTERNATE SECTION**  
NOT TO SCALE

STA 793+13.00 TO 794+97.00 LT  
 STA 795+16.00 TO 799+62.00 LT  
 STA 819+56.00 TO 821+07.00 LT  
 STA 822+20.00 TO 824+66.00 LT  
 STA 827+00.00 TO 827+31.00 LT  
 STA 828+44.00 TO 830+56.00 LT  
 STA 873+77.00 TO 875+29.00 LT  
 STA 924+76.00 TO 925+70.00 LT  
 STA 927+81.00 TO 928+77.00 LT  
 STA 1015+35.00 TO 1016+51.52 RT



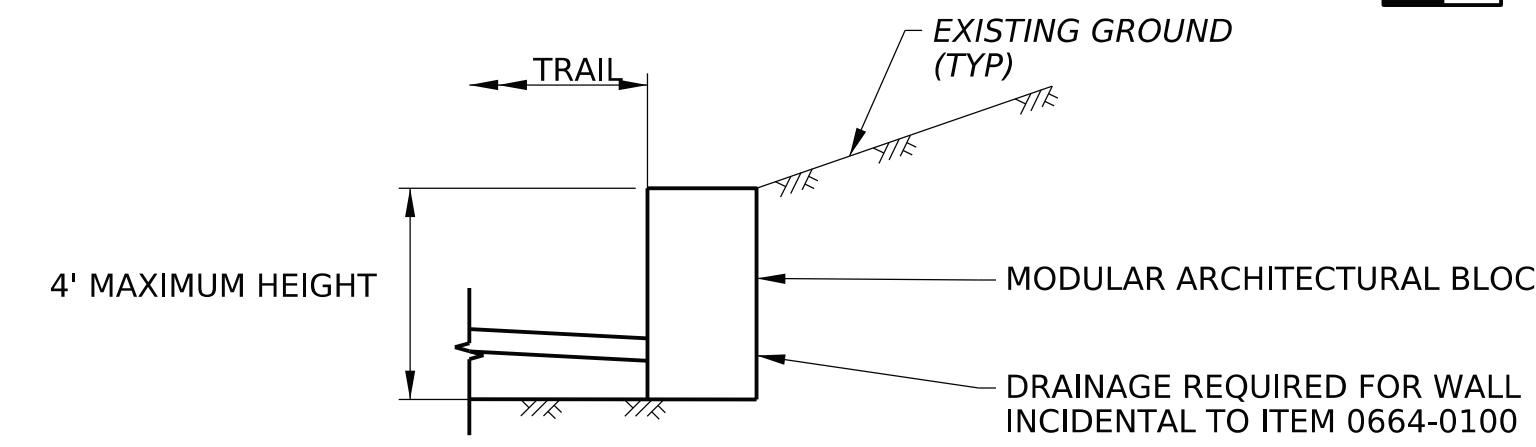
**TYPICAL TRAIL SECTION**  
NOT TO SCALE

STA 777+27.00 TO STA 793+50.00  
 STA 794+75.00 TO STA 1016+51.52



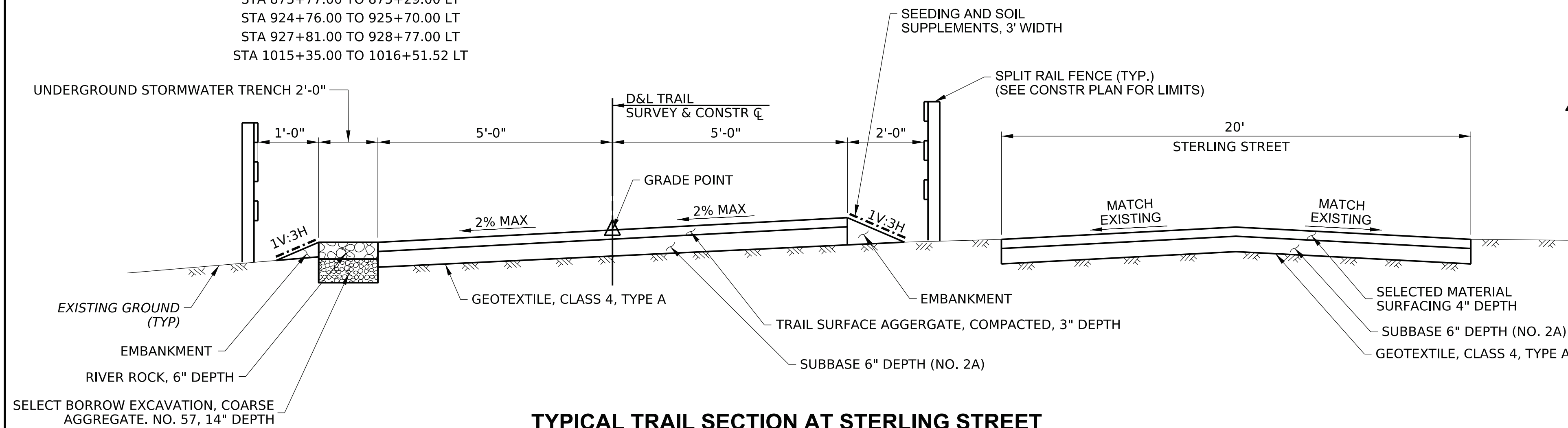
**ALTERNATE SECTION**  
NOT TO SCALE

STA 792+71.00 TO 793+29.00 RT  
 STA 932+08.00 TO 933+77.00 RT  
 STA 1015+35.00 TO 1016+51.52 RT



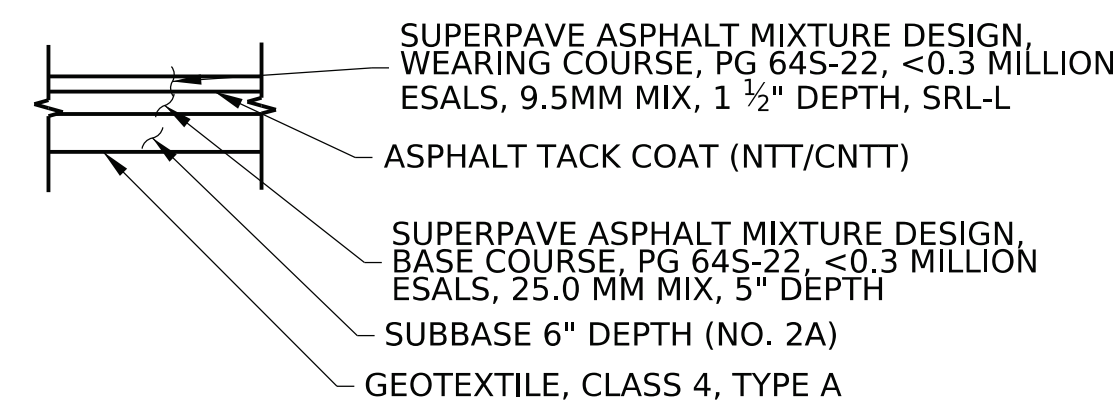
**ALTERNATE SECTION**  
NOT TO SCALE

STA 777+32 TO 777+64 RT



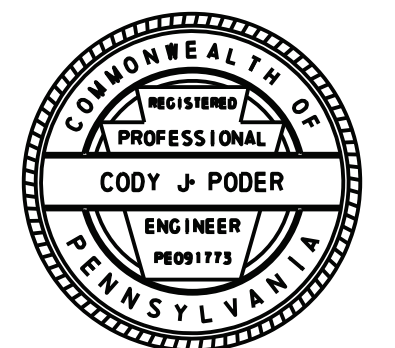
**TYPICAL TRAIL SECTION AT STERLING STREET**  
NOT TO SCALE

STA 793+50.00 TO STA 794+75.00



**PAVEMENT DETAIL SECTION**  
**T-715 STERLING STREET**  
NOT TO SCALE

NOTE: MAINTAIN EXISTING WIDTH, GRADE AND CROSS-SLOPES IN FINAL CONDITIONS. SEE SHEET 8 OF 35 FOR PAVING LIMITS.



FILE NAME: X:\ISCR-2015\402.01\_ASTA Trail\Mile 71.03\_Oliver Mills Trail\Oliver Mills Trail\Plans\01\_Constr\40ASTA\_C01-005-TYP.dgn

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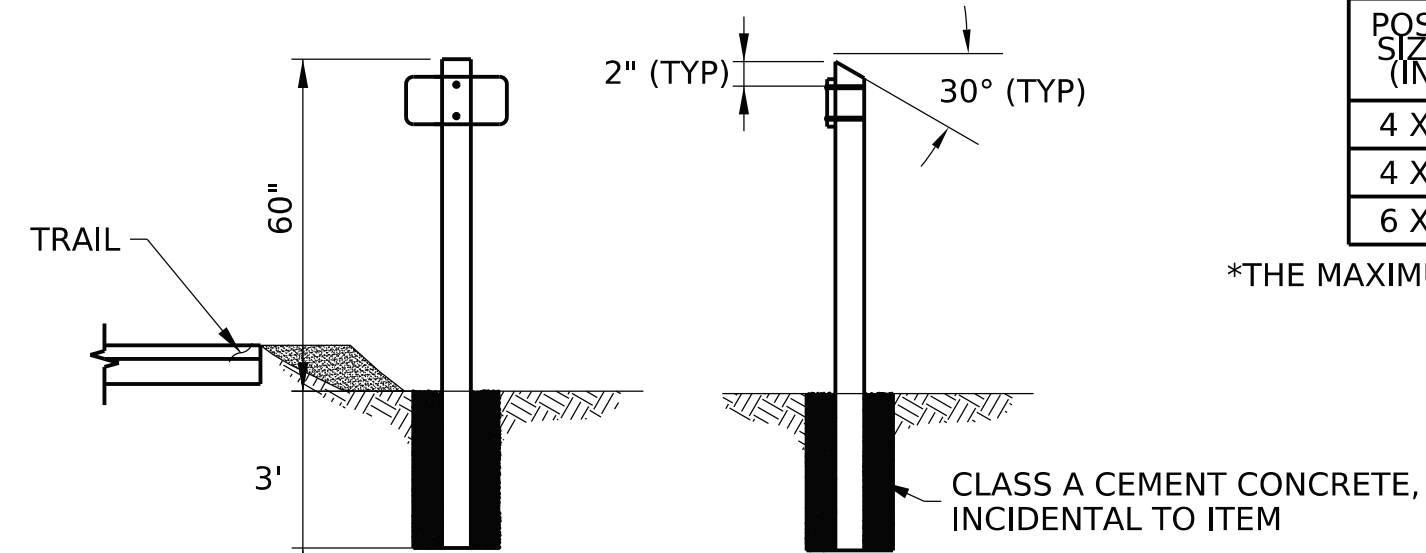
GREENMAN-PEDERSEN, INC.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	6 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS		DATE	BY APPD

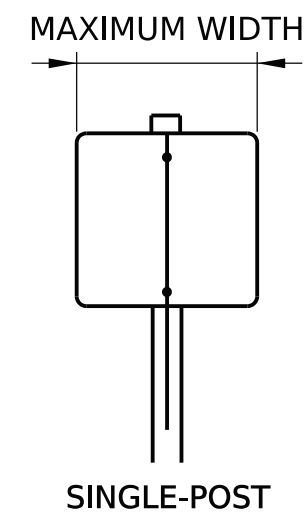
**WOOD SIGN POST SPACING AND SIZE REQUIREMENTS**

POST SIZE (IN)	SINGLE POST MAX SIGN WIDTH (IN)	SINGLE POST MAX SIGN AREA (SF)	MINIMUM EMBEDMENT DEPTH (FT)
4 X 4	*48	10	3
4 X 6	48	20	4
6 X 6	48	20	4

\*THE MAXIMUM WIDTH IS 36 INCHES FOR DIAMOND-SHAPED SIGNS.



**SIGN AND POST INSTALLATION**



SINGLE-POST

**D&L ON TRAIL WAY-FINDING SIGN TYPES**

On Trail Forward Arrow Bristol (T-F-B)

On Trail Forward Arrow Wilkes-Barre (T-F-W)

On Trail Mile Marker Three/Four-Digit (T-M-164.5)

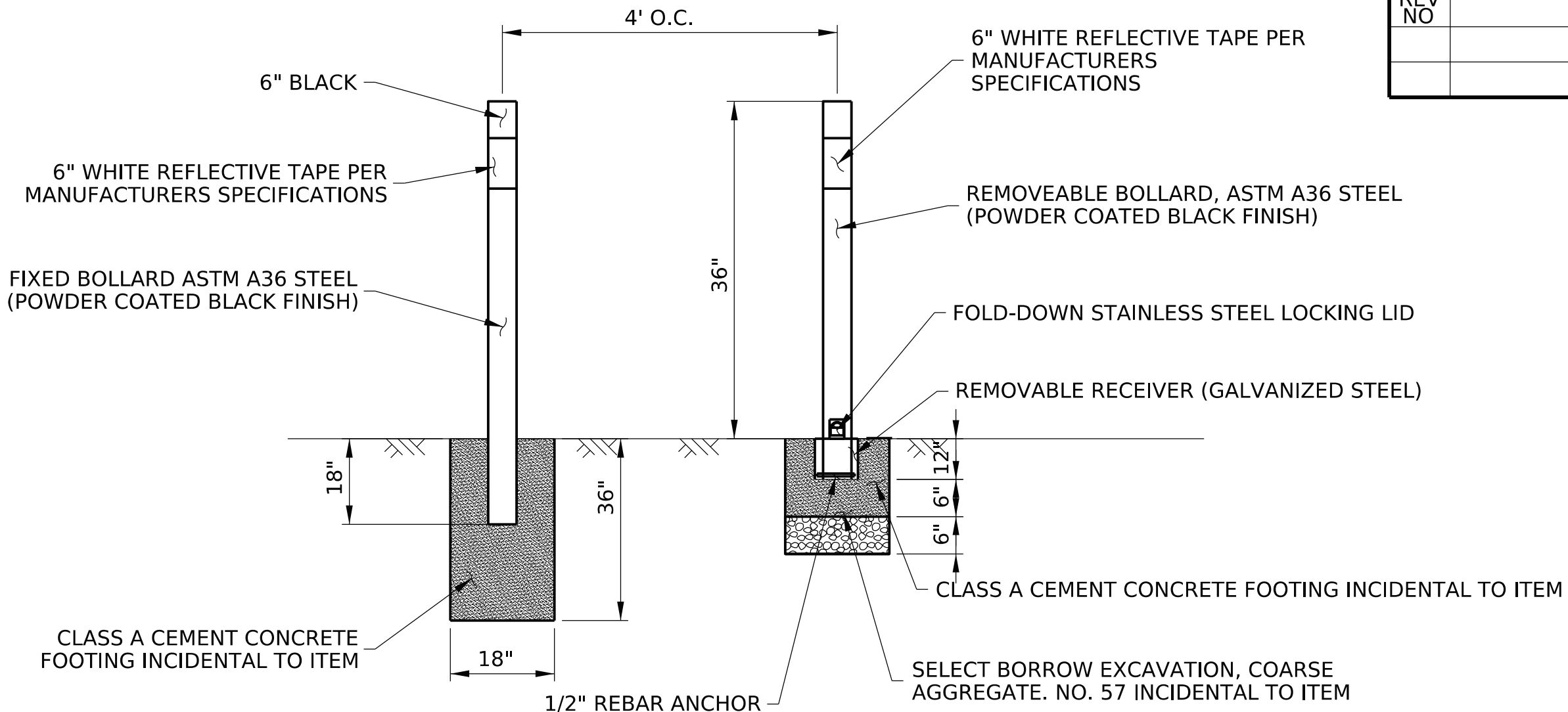


**NOTES:**

- REFER TO SPECIAL PROVISION FOR SIGN MATERIALS AND PLACEMENT
- ALL HARDWARE TO BE ALUMINUM OR GALVANIZED.
- LAG SCREW FASTENERS REQUIRED LEAD HOLES TO BE DRILLED IN POSTS PRIOR TO INSTALLATION.
- BOLT HOLES IN POSTS TO BE 1/16 INCH LARGER (MAXIMUM) THAN THE BOLT HOLE REQUIREMENT.
- TREAT SIGN AND MARKER POSTS ONLY WITH CCA (CHROMATED COPPER ARSENATE) FOR UC4A GROUND CONTACT FOR GENERAL USE. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.

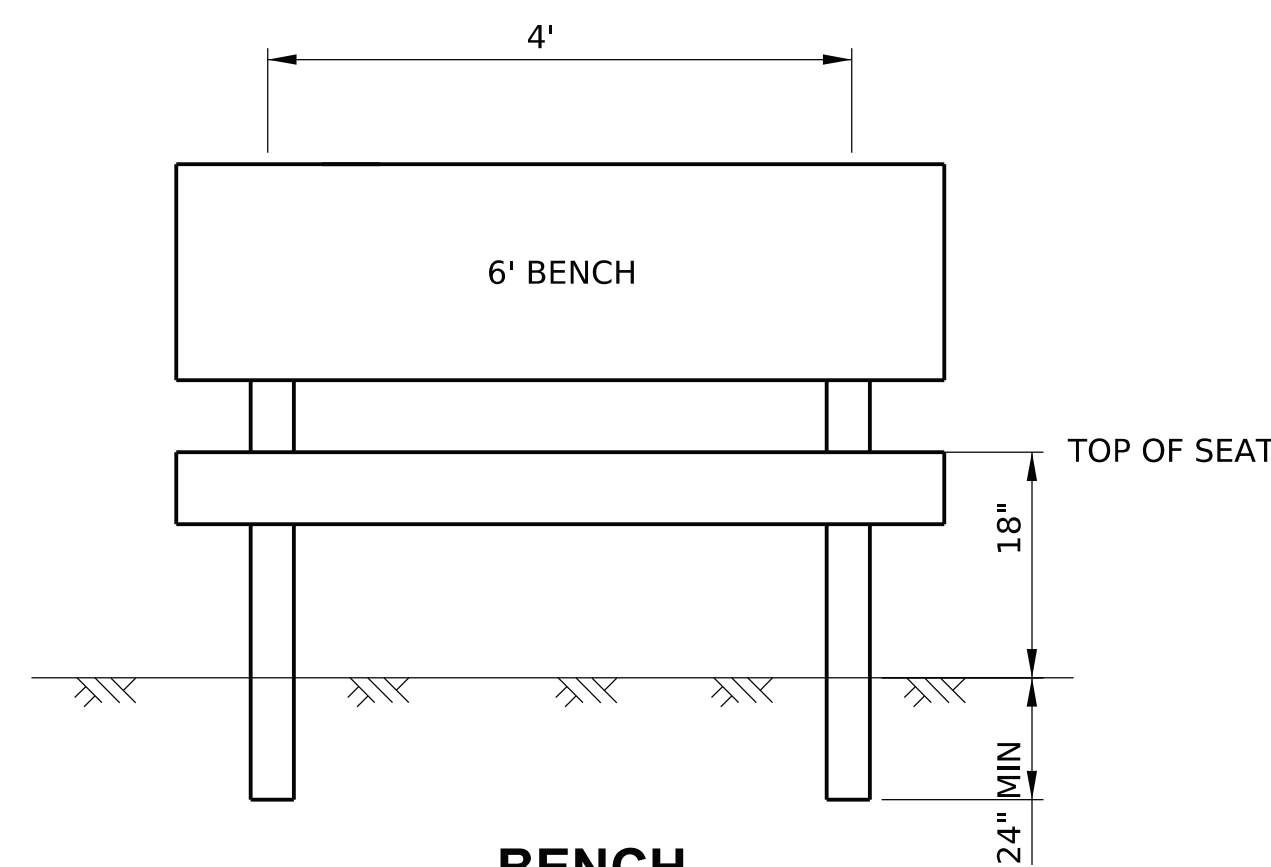
**POST MOUNTED SIGNS, TRAIL MARKERS, WAY-FINDING SIGNAGE (ITEM 9000-0003)**

NOT TO SCALE



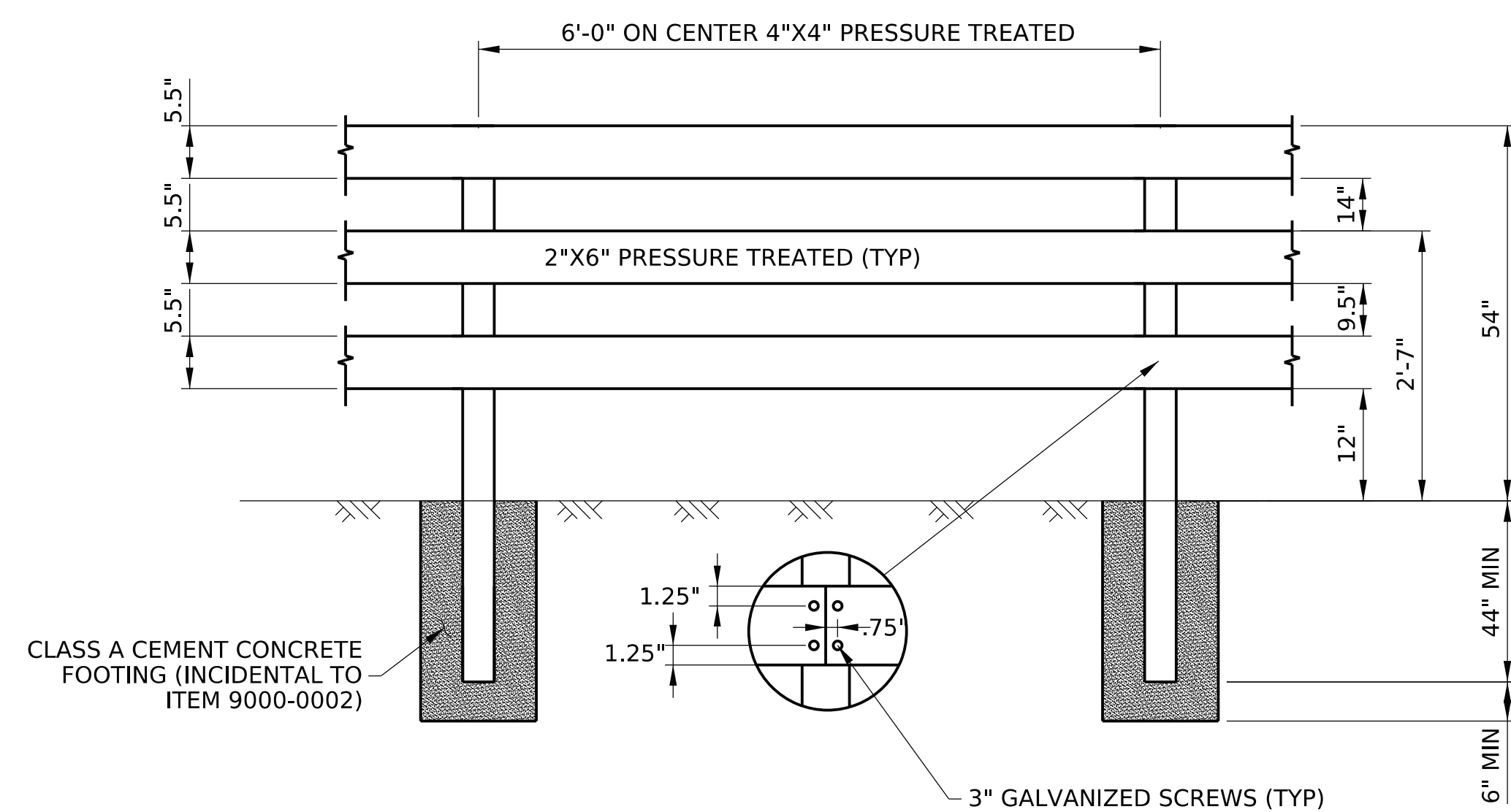
**BOLLARDS (ITEM 9000-0005)**  
NOT TO SCALE

**BOLLARDS, REMOVABLE (ITEM 9000-0006)**  
NOT TO SCALE



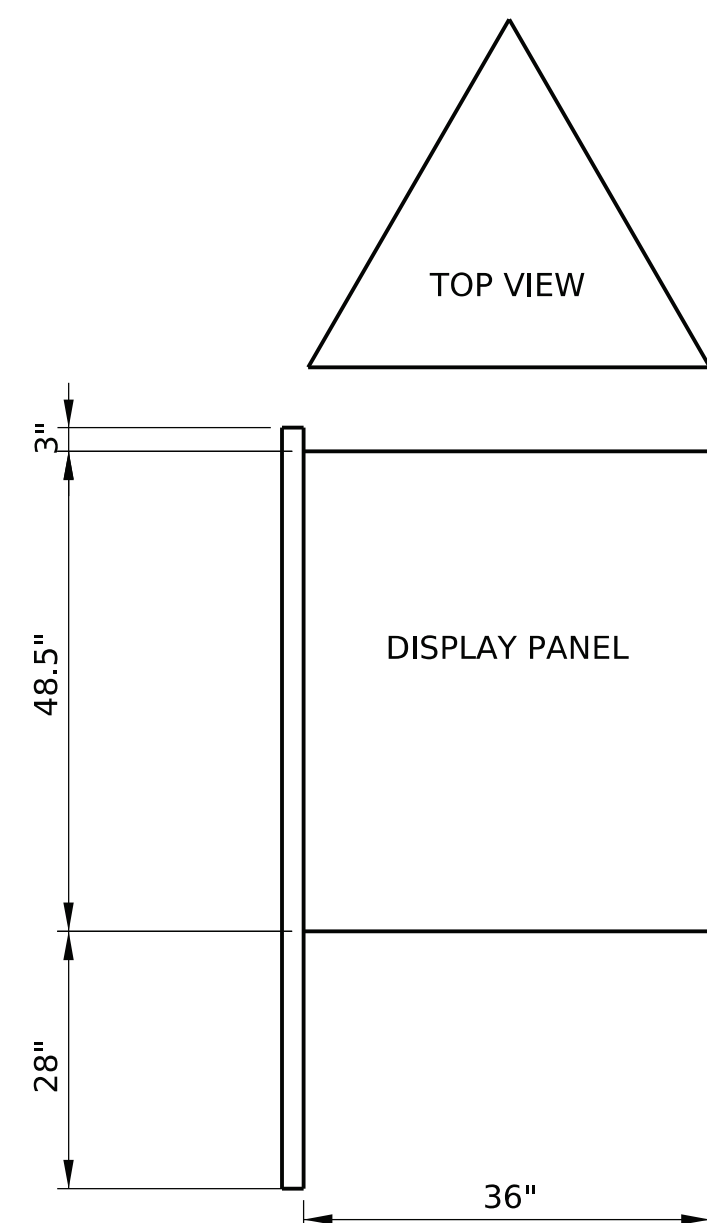
**BENCH (ITEM 9000-0010)**  
NOT TO SCALE

- NOTES:**
- SEE SPECIAL PROVISION FOR REQUIRED MATERIALS AND INSTALLATION.



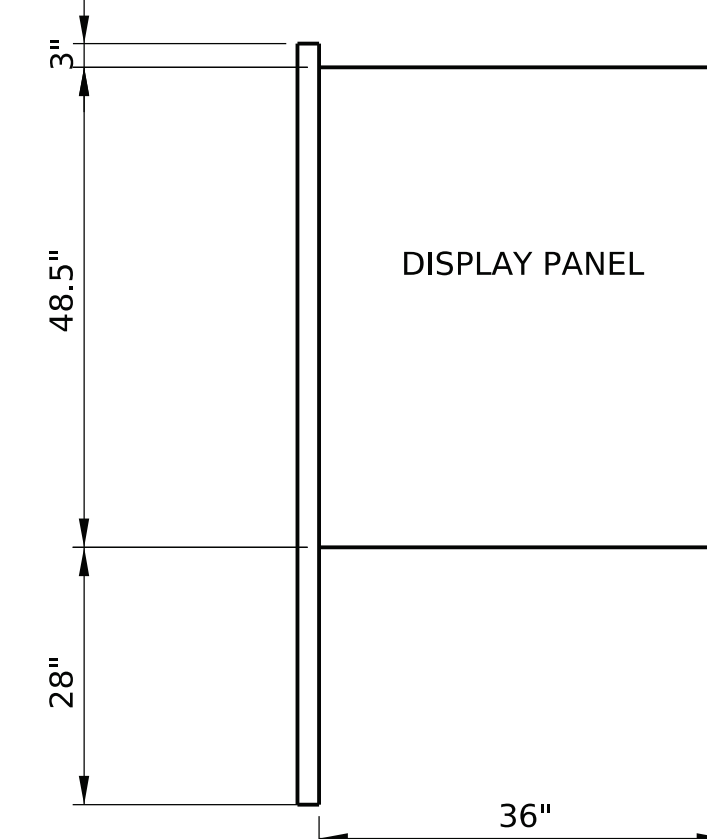
**SPLIT RAIL FENCE (ITEM 9000-0002)**

NOT TO SCALE



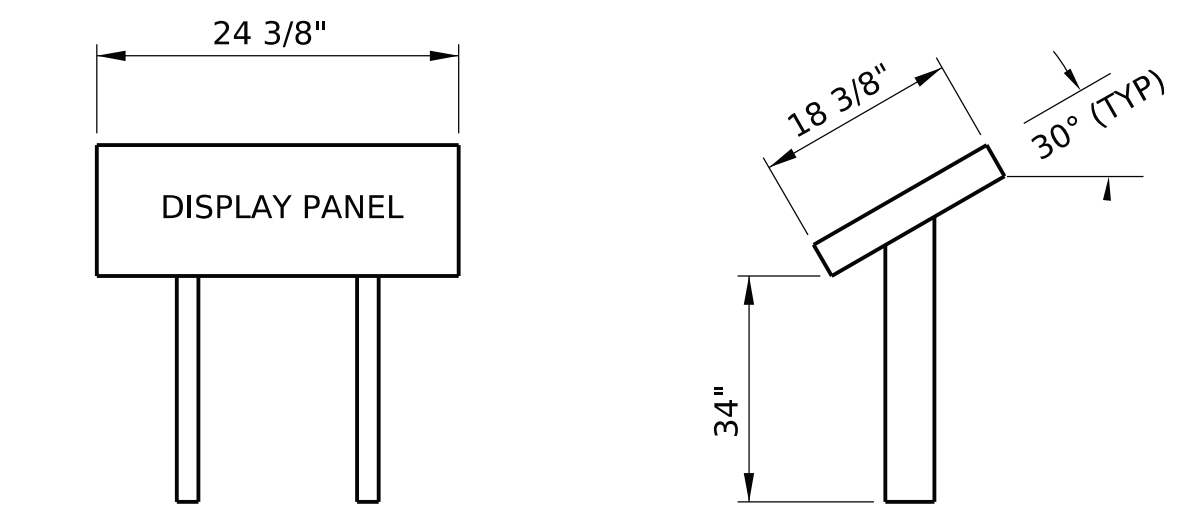
**HIGH PROFILE INTERPRETIVE SIGNAGE 3 PANEL (ITEM 9000-0009)**

NOT TO SCALE



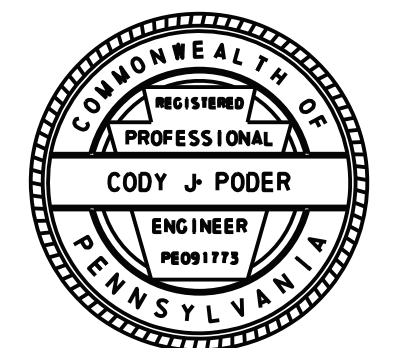
**HIGH PROFILE INTERPRETIVE SIGNAGE (ITEM 9000-0007)**

NOT TO SCALE



**LOW PROFILE INTERPRETIVE SIGNAGE (ITEM 9000-0008)**

NOT TO SCALE



**NOTES:**

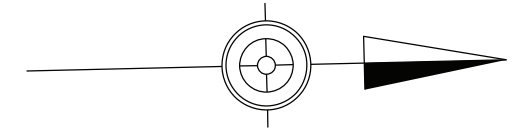
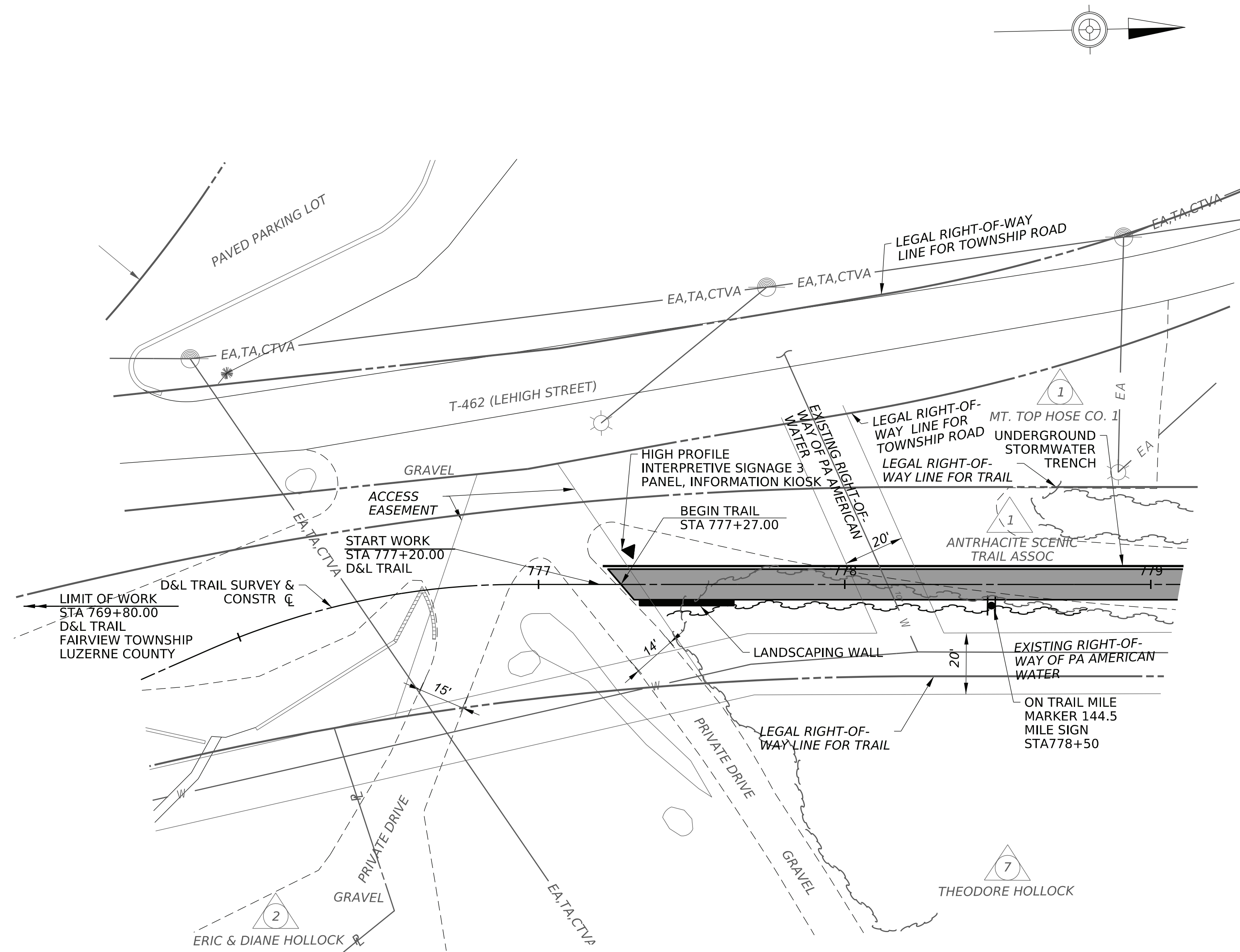
- SEE SPECIAL PROVISION FOR FRAME, FOOTING, AND PANEL MATERIALS AND ASSEMBLY INFORMATION.

FILE NAME: X:\ISCR-2015\402.01\_ASTA Trail-Mile 7\03\_Oliver Mills Trail\Oliver Mills Trail\Plans\01\_Constr\40ASTA\_C01-005-TYP2.dgn

PLOTTED: 16-DEC-2025 10:57

GREENMAN-PEDERSEN, INC.

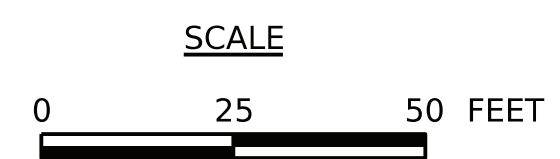
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	7 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



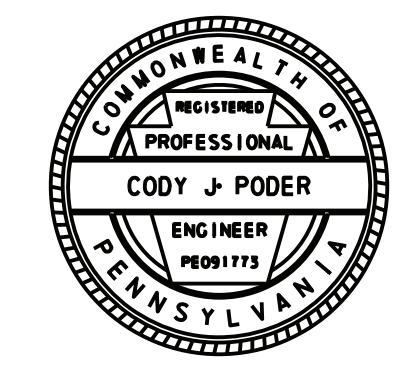
**LEGEND**

PROPOSED TRAIL

**DETAILED PLAN VIEW - BEGINNING OF TRAIL**

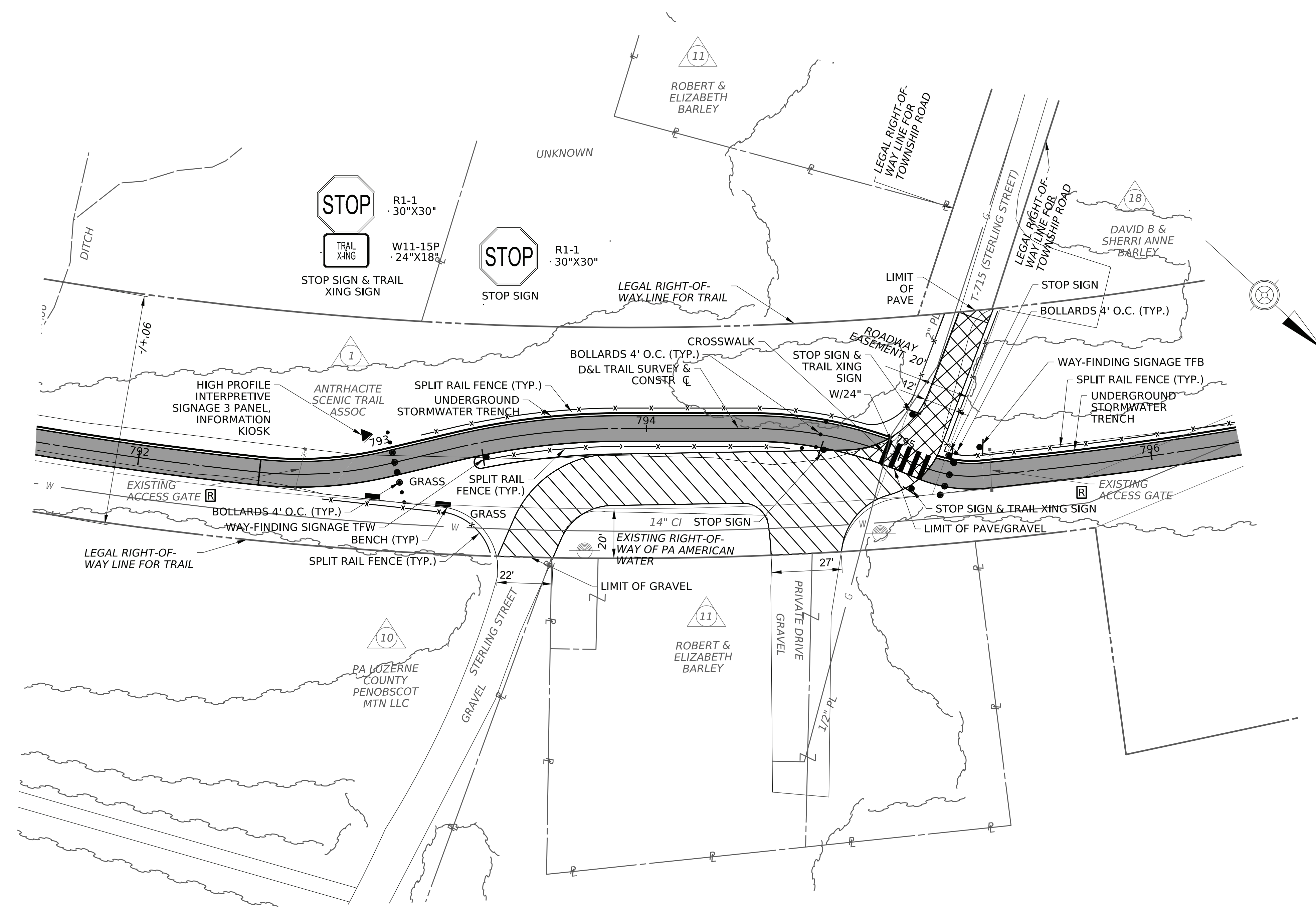


**NOTE:**  
 PROPOSED LAYOUT OF PERMANENT FEATURES THROUGH PROJECT LIMITS SHOWN ON CONSTRUCTION PLANS SUPERSEDE LAYOUT OF SAME FEATURES ON ALSO PLANS. SEE TABULATION SHEETS FOR ITEMS AND LOCATIONS.

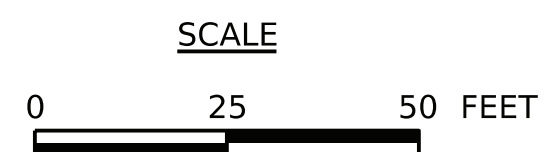


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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	8 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



**DETAILED PLAN VIEW - STERLING STREET INTERSECTION**

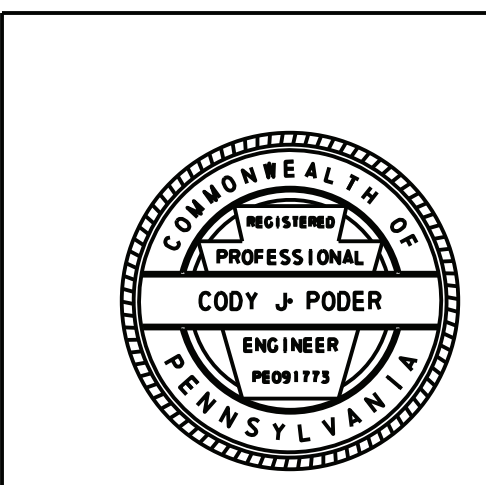


**LEGEND**

- PROPOSED TRAIL
- SPLIT RAIL FENCE
- GRAVEL
- PAVEMENT
- BOLLARD
- BOLLARD, REMOVABLE
- BENCH

**MAINTENANCE & PROTECTION OF TRAFFIC NOTES:**

1. COMPLETE WORK AT T-715 STERLING STREET/TRAIL INTERSECTION PART-WIDTH, UNDER SHORT TERM OPERATIONS. UTILIZE PATA 101-A, 102, 106, 107 AND 108 AS NEEDED.
2. ONLY COMPLETE AMOUNT OF WORK TO ALLOW BIDIRECTIONAL ACCESS AT END OF EACH DAY.
3. MAINTAIN ACCESS TO DRIVEWAYS AND PUBLIC STREETS AT ALL TIMES.

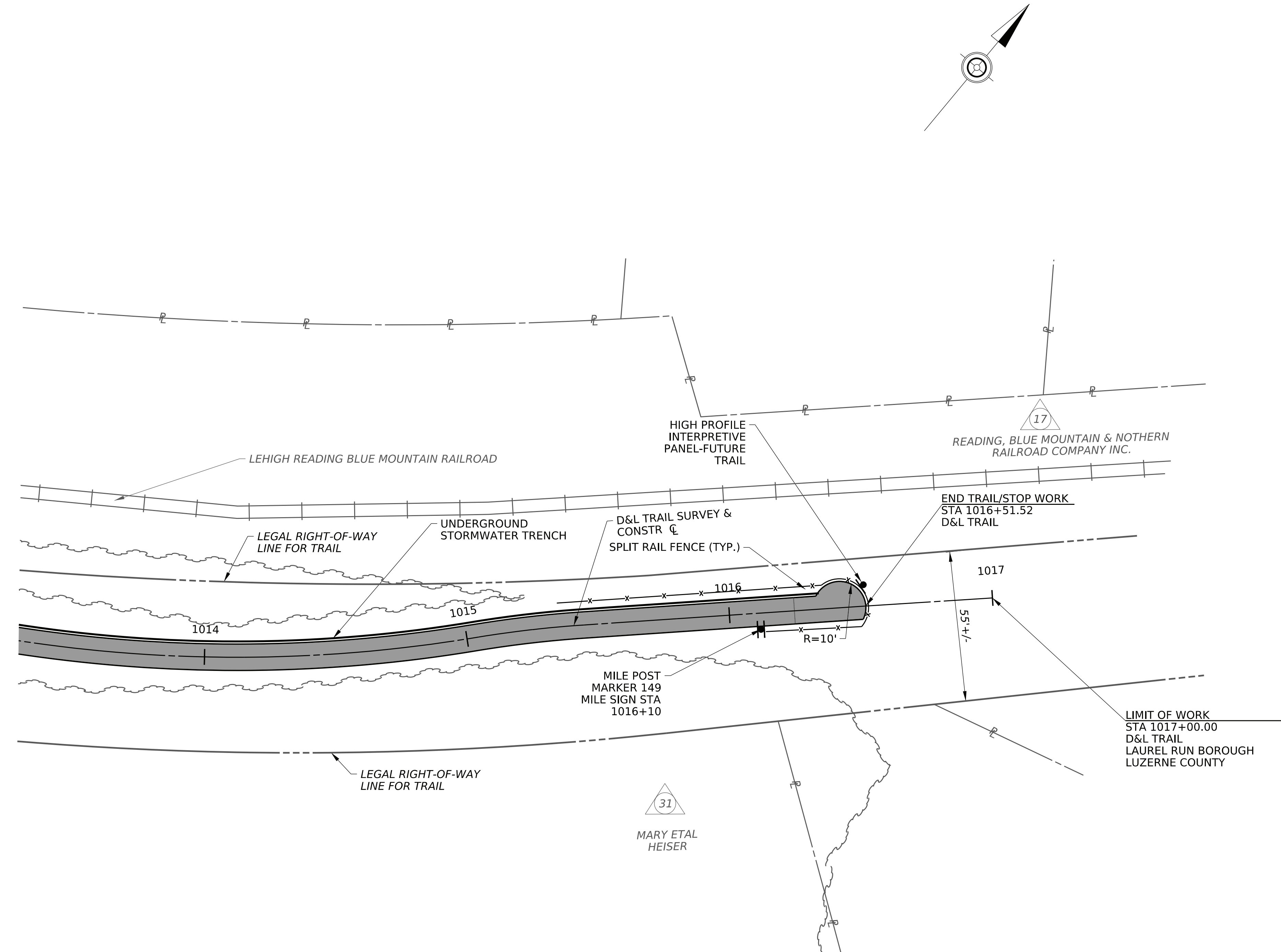


**NOTE:**  
PROPOSED LAYOUT OF PERMANENT FEATURES THROUGH PROJECT LIMITS SHOWN ON CONSTRUCTION PLANS SUPERSEDE LAYOUT OF SAME FEATURES ON ALSO PLANS. SEE TABULATION SHEETS FOR ITEMS AND LOCATIONS.

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 GREENWAIN-PEDERSEN, INC.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	9 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD

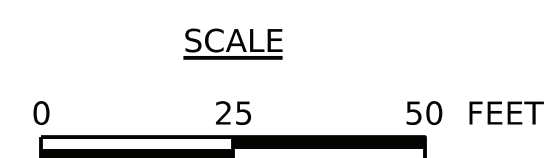
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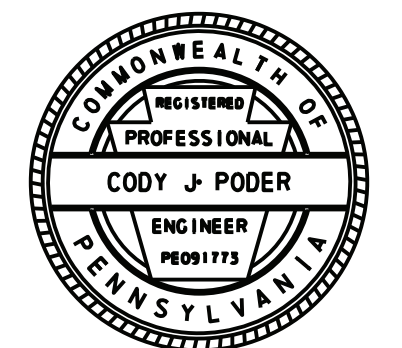
**LEGEND**

- PROPOSED TRAIL
- SPLIT RAIL FENCE

**DETAILED PLAN VIEW - END OF TRAIL**



**NOTE:**  
 PROPOSED LAYOUT OF PERMANENT FEATURES THROUGH PROJECT LIMITS SHOWN ON CONSTRUCTION PLANS SUPERSEDE LAYOUT OF SAME FEATURES ON ALSO PLANS. SEE TABULATION SHEETS FOR ITEMS AND LOCATIONS.

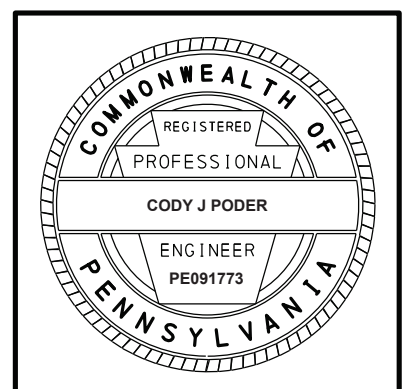


# SUMMARY

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				04	LUZERNE	0000	TAS	10 OF 35

◆ - SEE SPECIAL PROVISIONS

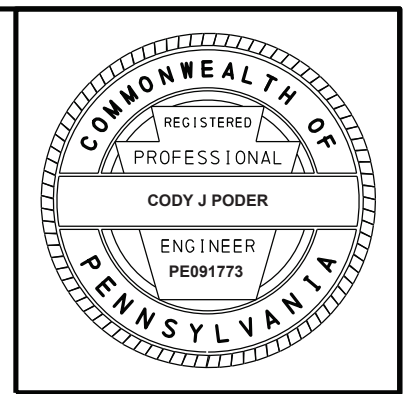
QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET
	UNIT					UNIT					UNIT			
X	4201 0001	CLEARING AND GRUBBING, TREE REMOVAL RESTRICTION		NO TAB	3500	0845 0001	UNFORESEEN WATER POLLUTION CONTROL		NO TAB					
	LS					DOLLA								
10416	0203 0001	CLASS 1 EXCAVATION		11-12	1	0849 0010	ROCK CONSTRUCTION ENTRANCE		13-14					
	CY					EACH								
12	0203 0006	SAW CUTTING		11-12	1	0855 0003	PUMPED WATER FILTER BAG		13-14					
	LF					EACH								
2954	0205 0285	SELECTED BORROW EXCAVATION, COARSE AGGREGATE, NO. 57		11-12	1	0855 0004	REPLACEMENT PUMPED WATER FILTER BAG		13-14					
	CY					EACH								
41243	0212 0014	GEOTEXTILE, CLASS 4, TYPE A		11-12	24077	0867 0012	COMPOST FILTER SOCK, 12" DIAMETER		13-14					
	SY					LF								
114	0313 0324	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 5" DEPTH		11-12	320	0867 0018	COMPOST FILTER SOCK, 18" DIAMETER		13-14					
	SY					LF								
27074	0350 0106	SUBBASE 6" DEPTH (NO. 2A)		11-12	X	0901 0001	MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION		NO TAB					
	SY					LS								
114	0413 0195	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, < 0.3 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-L		11-12	51	0932 0001	POST MOUNTED SIGNS, TYPE C		11-12					
	SY					SF								
114	0460 0003	ASPHALT TACK COAT (NTT/CNTT)		11-12	18	0935 0001	POST MOUNTED SIGNS, TYPE F		11-12					
	SY					SF								
X	0608 0001	MOBILIZATION		NO TAB	50	0960 0021	24" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS		11-12					
	LS					LF								
X	0609 0003	INSPECTOR'S FIELD OFFICE AND INSPECTION FACILITIES, TYPE B		NO TAB	26538	9000 0001	TRAIL SURFACE AGGREGATE COMPACTED, 3" DEPTH		11-12					
	LS					SY								
X	0609 0009	EQUIPMENT PACKAGE		NO TAB	2130	9000 0002	SPLIT RAIL FENCE		11-12					
	LS					LF								
80	0664 0100	MODULAR ARCHITECTURAL BLOCK SYSTEM		11-12	12	9000 0003	POST MOUNTED SIGNS, TRAIL MARKERS, WAY-FINDING SIGNAGE		11-12					
	SF					EACH								
71	0677 0001	SELECTED MATERIAL SURFACING		11-12	5317	9000 0004	RIVER ROCK, 6" DEPTH		11-12					
	CY					SY								
X	0686 0020	CONSTRUCTION SURVEYING, TYPE B		NO TAB	9	9000 0005	BOLLARDS		11-12					
	LS					EACH								
X	0688 0020	MICROCOMPUTER, TYPE C		NO TAB	8	9000 0006	BOLLARDS, REMOVABLE		11-12					
	LS					EACH								
X	0689 0005	CPM SCHEDULE, WITH UPDATES		NO TAB	1	9000 0007	HIGH PROFILE INTERPRETIVE SIGNAGE		11-12					
	LS					EACH								
1100	0690 0001	INTERNAL FACILITATION		NO TAB	1	9000 0008	LOW PROFILE INTERPRETIVE SIGNAGE		11-12					
	DOLLA					EACH								
1617	0802 0001	TOPSOIL FURNISHED AND PLACED		13-14	2	9000 0009	HIGH PROFILE INTERPRETIVE SIGNAGE 3 PANEL		11-12					
	CY					EACH								
1042	0803 0001	PLACING STOCKPILED TOPSOIL		13-14	2	9000 0010	BENCH		11-12					
	CY					EACH								
335	0804 0025	SEEDING AND SOIL SUPPLEMENTS - FORMULA B RESIDENTIAL MIX, INCLUDING MULCH		13-14	1500	9000 0011	ROADWAY CONDITION INSPECTION AND VIDEO RECORDING OF LOCAL ROADS		NO TAB					
	LB					DOLLA								
288	0804 0032	SEEDING - FORMULA T TEMPORARY GRASS MIX, INCLUDING MULCH		13-14	6000	9000 0012	REPAIR OF LOCAL ROAD		NO TAB					
	LB					DOLLA								
3988	0806 0110	TEMPORARY SHORT-TERM, ROLLED EROSION CONTROL PRODUCT, TYPE 2A		13-14	X	9000 5101	ELECTRONIC TICKETING (E-TICKETING) FOR CONSTRUCTION AGGREGATE		NO TAB					
	SY					LS								
202	4811 0003	TEMPORARY PROTECTIVE FENCE, CHAIN LINK		13-14	X	9000 5103	ELECTRONIC TICKETING (E-TICKETING) FOR CONSTRUCTION CONCRETE		NO TAB					
	LF					LS								



# TABULATION OF QUANTITIES

## TRAIL

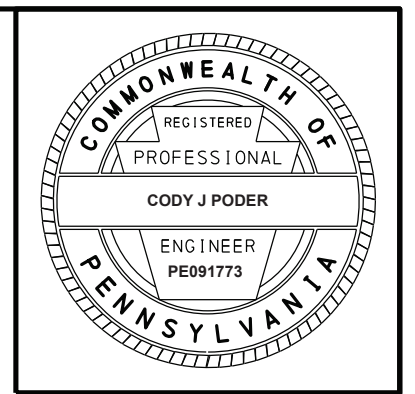
REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				04	LUZERNE	0000		11 OF 35



CLASS 1 EXCAVATION	SAW CUTTING	SELECTED BORROW EXCAVATION, COARSE AGGREGATE, NO. 57	GEOTEXTILE, CLASS 4, TYPE A	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 5" DEPTH	SUBBASE 6" DEPTH (NO. 2A)	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, < 0.3 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-L	ASPHALT TACK COAT (NTT/CNTT)	MODULAR ARCHITECTURAL BLOCK SYSTEM	SELECTED MATERIAL SURFACING	POST MOUNTED SIGNS, TYPE C	POST MOUNTED SIGNS, TYPE F	24" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS	TRAIL SURFACE AGGREGATE COMPACTED, 3" DEPTH	SPLIT RAIL FENCE	POST MOUNTED SIGNS, TRAIL MARKERS, WAY-FINDING SIGNAGE	RIVER ROCK, 6" DEPTH	BOLLARDS	BOLLARDS, REMOVABLE	HIGH PROFILE INTERPRETIVE SIGNAGE	LOW PROFILE INTERPRETIVE SIGNAGE	HIGH PROFILE INTERPRETIVE SIGNAGE 3 PANEL	BENCH	EMBANKMENT	REMARKS	SIDE	STATIONS		
0203 0001 CY	0203 0006 LF	0205 0285 CY	0212 0014 SY	0313 0324 SY	0350 0106 SY	0413 0195 SY	0460 0003 SY	0664 0100 SF	0677 0001 CY	0932 0001 SF	0935 0001 SF	0960 0021 LF	9000 0001 SY	9000 0002 LF	9000 0003 EACH	9000 0004 SY	9000 0005 EACH	9000 0006 EACH	9000 0007 EACH	9000 0008 EACH	9000 0009 EACH	9000 0010 EACH	CY	ITEM NUMBER	UNIT			
																								TRAIL				
2950		2954	14169												5317										UNDERGROUND STORMWATER TRENCH	LT	777+27.00 to 1016+51.00	
7310			26538		26538								26538										660		LT / RT	777+27.00 to 1016+51.00		
																							1		INFORMATION KIOSK	LT	777+30.00	
								80																	LANDSCAPING WALL	RT	777+32.00 to 777+64.00	
															1										ON TRAIL MILE MARKER 144.5	RT	778+50.00	
														73													RT	792+71.00 to 793+29.00
																							1		INFORMATION KIOSK	LT	792+89.00	
																							1		BENCH	RT	792+90.00	
																4	4									LT / RT	793+00.00 to 793+00.00	
													232														LT	793+13.00 to 794+97.00
																							1		BENCH		793+15.00	
118			422		422				71																STERLING STREET - GRAVEL	RT	793+32.00 to 795+10.00	
															1										WAY-FINDING SIGNAGE TFW	RT	793+36.00	
																4										LT / RT	794+61.00 to 794+68.00	
										7															R1-1	RT	794+69.00	
38	12		114	114	114	114	114																		STERLING STREET - PAVE	LT	794+88.00 to 795+44.00	
												50														TRAIL CROSSING	LT / RT	794+93.00 to 795+11.00
										7															R1-1	RT	794+94.00	
										7	3														R1-1,W11-15P	LT	794+98.00	
										7	3														R1-1,W11-15P	RT	795+09.00	
													500													LT	795+16.00 to 799+62.00	
										7															R1-1	LT	795+19.00	
																1	4									LT / RT	795+19.00 to 795+21.00	
															1										WAY-FINDING SIGNAGE TFB	LT	795+34.00	
									4	3															W16-103P,SP-1	LT	804+90.00	
															1										ON TRAIL MILE MARKER 145	RT	804+90.00	
													151													LT	819+56.00 to 821+07.00	

# TABULATION OF QUANTITIES TRAIL

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				04	LUZERNE	0000		12 OF 35



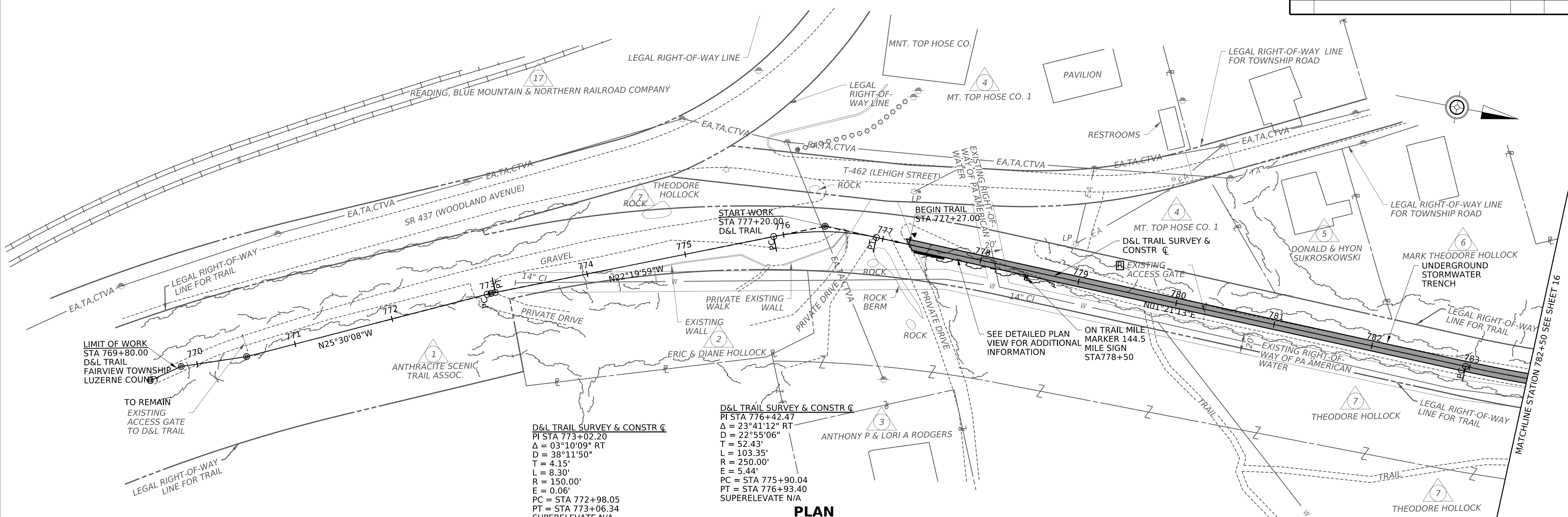
CLASS 1 EXCAVATION	SAW CUTTING	SELECTED BORROW EXCAVATION, COARSE AGGREGATE, NO. 57	GEOTEXTILE, CLASS 4, TYPE A	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 5" DEPTH	SUBBASE 6" DEPTH (NO. 2A)	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, < 0.3 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-L	ASPHALT TACK COAT (NTT/CNTT)	MODULAR ARCHITECTURAL BLOCK SYSTEM	SELECTED MATERIAL SURFACING	POST MOUNTED SIGNS, TYPE C	POST MOUNTED SIGNS, TYPE F	24" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS	TRAIL SURFACE AGGREGATE COMPACTED, 3" DEPTH	SPLIT RAIL FENCE	POST MOUNTED SIGNS, TRAIL MARKERS, WAY-FINDING SIGNAGE	RIVER ROCK, 6" DEPTH	BOLLARDS	BOLLARDS, REMOVABLE	HIGH PROFILE INTERPRETIVE SIGNAGE	LOW PROFILE INTERPRETIVE SIGNAGE	HIGH PROFILE INTERPRETIVE SIGNAGE 3 PANEL	BENCH	EMBANKMENT	REMARKS	SIDE	STATIONS	
0203 0001 CY	0203 0006 LF	0205 0285 CY	0212 0014 SY	0313 0324 SY	0350 0106 SY	0413 0195 SY	0460 0003 SY	0664 0100 SF	0677 0001 CY	0932 0001 SF	0935 0001 SF	0960 0021 LF	9000 0001 SY	9000 0002 LF	9000 0003 EACH	9000 0004 SY	9000 0005 EACH	9000 0006 EACH	9000 0007 EACH	9000 0008 EACH	9000 0009 EACH	9000 0010 EACH					
													249												LT	822+20.00 to 824+66.00	
													31												LT	827+00.00 to 827+31.00	
													212												LT	828+44.00 to 830+56.00	
																				1					RT	SOLOMONS GAP/NATURAL AREA PANEL 828+69.00	
															1										RT	MILE POST MARKER 145.5 831+30.00	
										4	3														LT	W16-103P,SP-1 857+65.00	
															1										RT	MILE POST MARKER 146 857+65.00	
													152												LT	873+77.00 to 875+29.00	
															1										RT	MILE POST MARKER 146.5 884+00.00	
										4	3														LT	W16-103P,SP-1 910+45.00	
															1										RT	MILE POST MARKER 147 910+45.00	
													94												LT	924+76.00 to 925+70.00	
													96												LT	927+81.00 to 928+77.00	
													170												RT	932+08.00 to 933+77.00	
															1										RT	MILE POST MARKER 147.5 936+90.00	
										4	3														LT	W16-103P,SP-1 963+05.00	
															1										RT	MILE POST MARKER 148 963+05.00	
															1										RT	MILE POST MARKER 148.5 989+70.00	
													125												LT	1015+35.00 to 1016+51.00	
															1										RT	MILE POST MARKER 149 1016+10.00	
													45												RT	1016+10.00 to 1016+51.00	
																				1					LT	FUTURE TRAIL PANEL 1016+51.00	
10416	12	2954	41243	114	27074	114	114	80	71	51	18	50	26538	2130	12	5317	9	8	1	1	2	2	660			<b>TOTALS</b>	



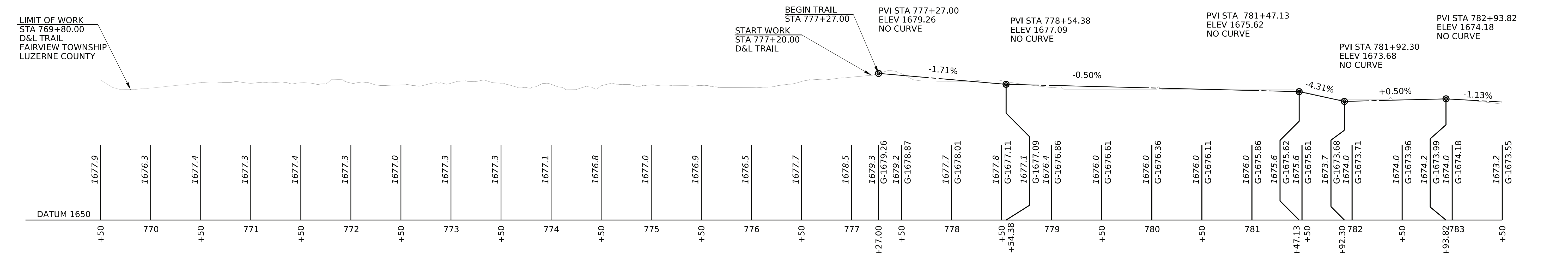
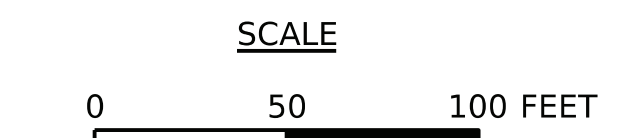


DISTRICT	COUNTY	ROUTE	SECTION	SHEET		
4-0	LUZERNE	D&L TRAIL	TAS	15 OF 35		
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH						
REV NO	REVISIONS			DATE	BY	APPD

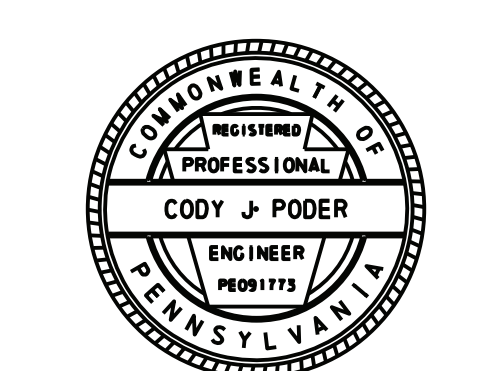
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**PLAN**



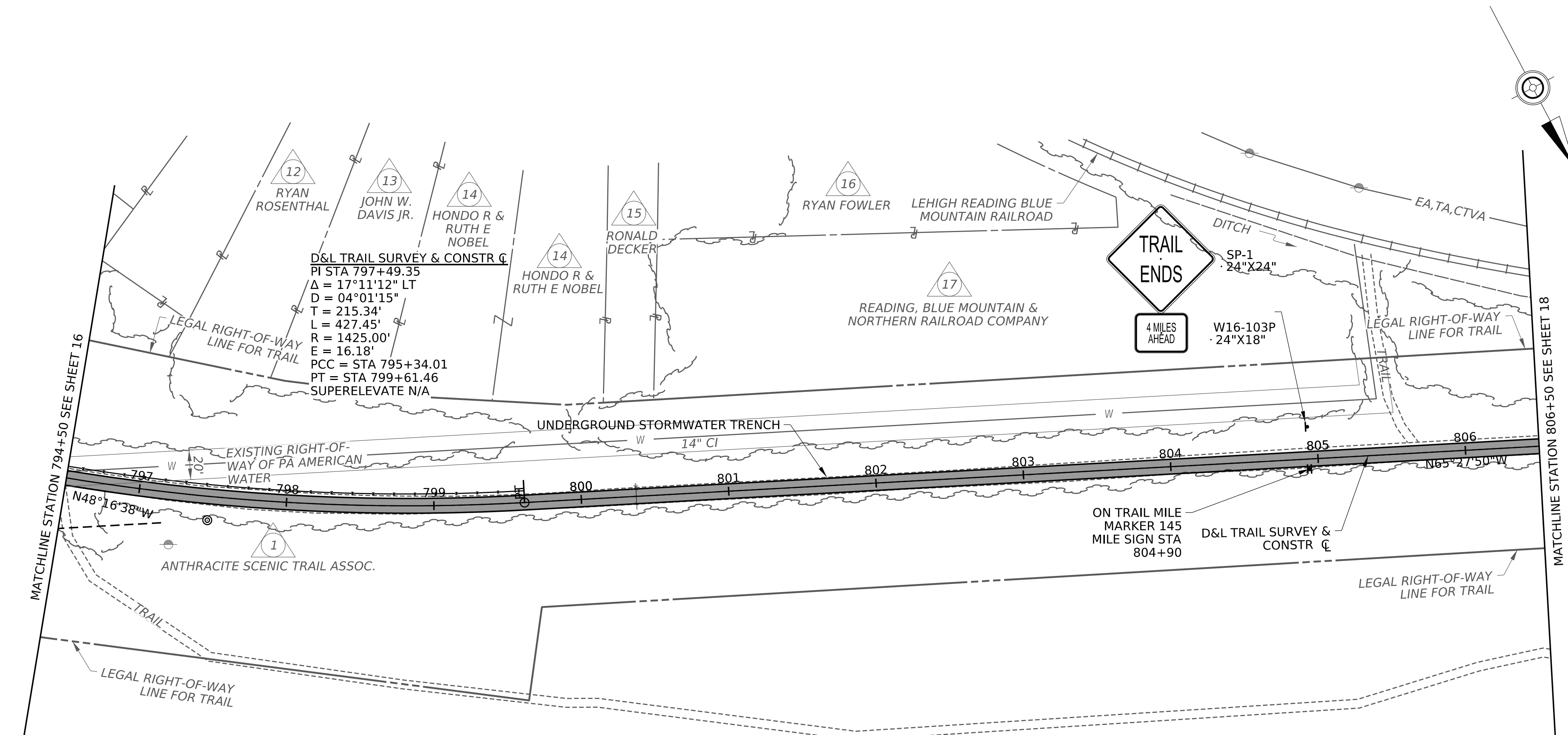
- LEGEND**
- PROPOSED TRAIL
  - SPLIT RAIL FENCE



**NOTE:**  
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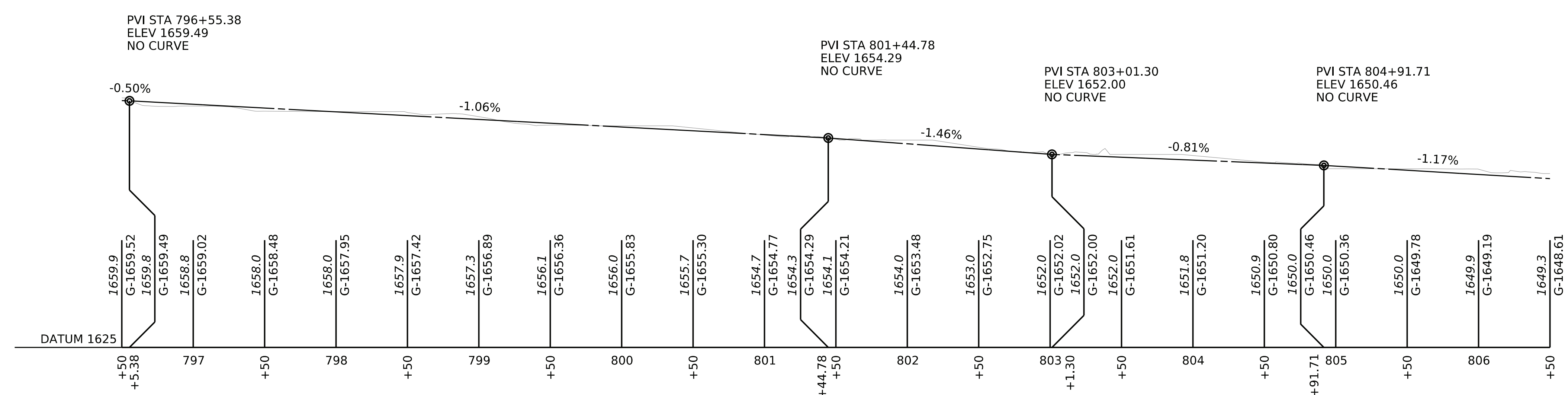
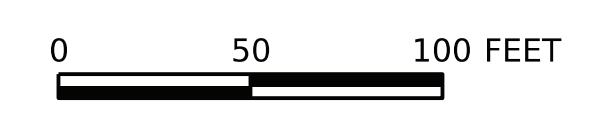


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	17 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



**PLAN**

SCALE

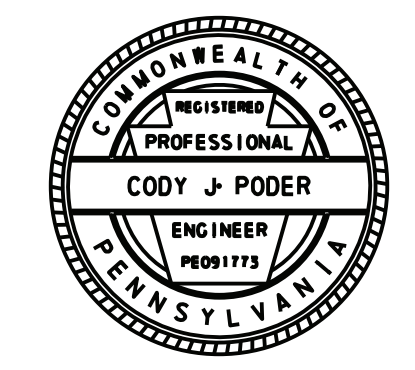


**PROFILE**

SCALE



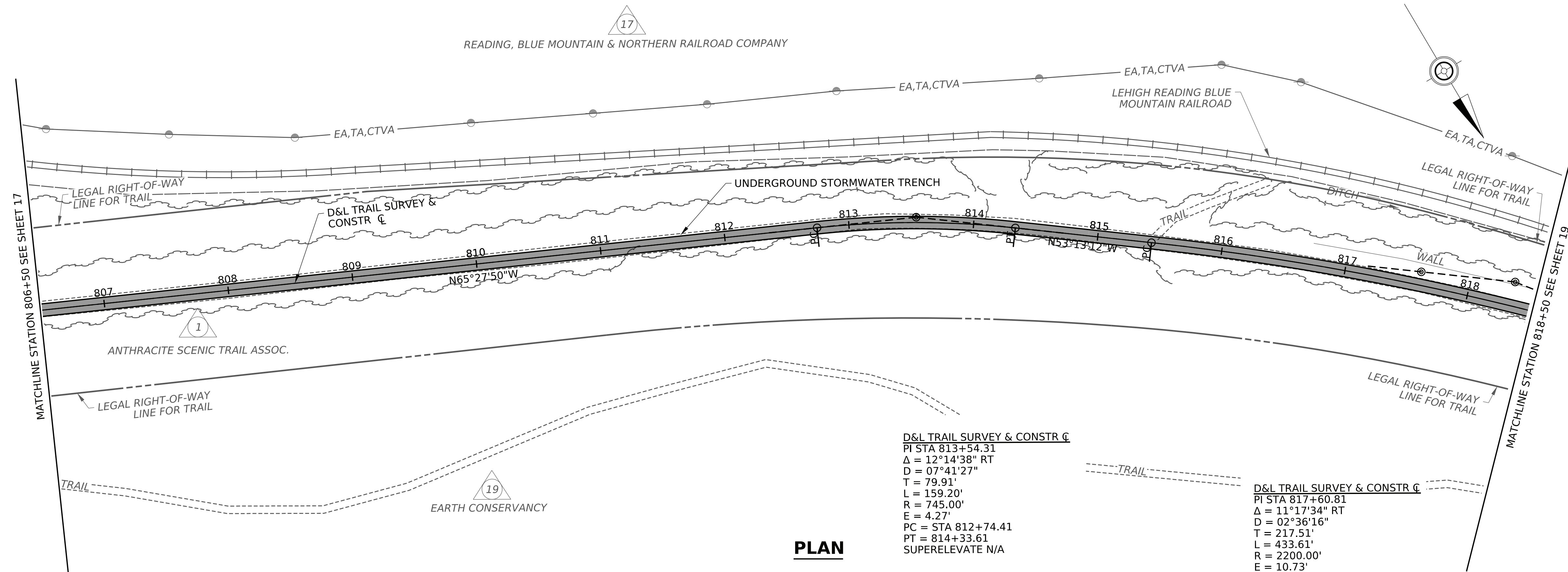
- LEGEND**
- PROPOSED TRAIL
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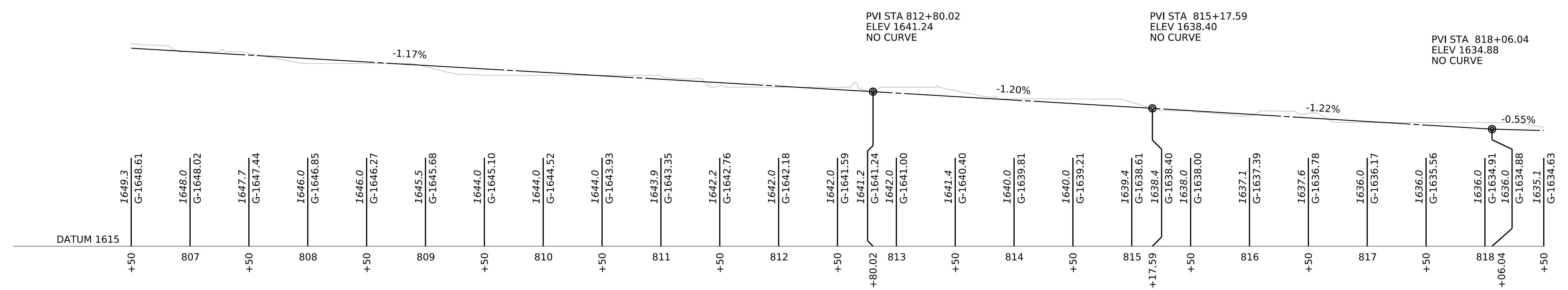
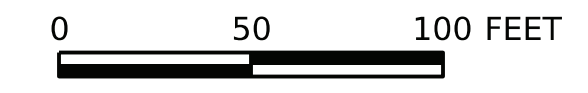
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	18 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



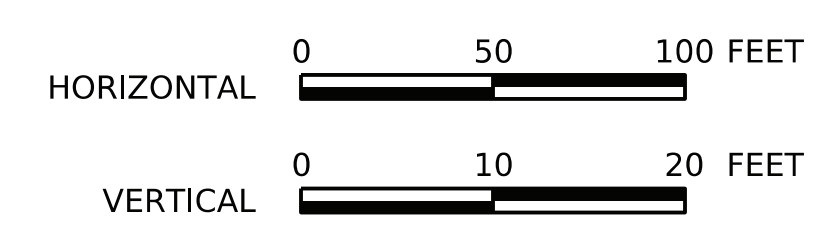
**PLAN**

SCALE



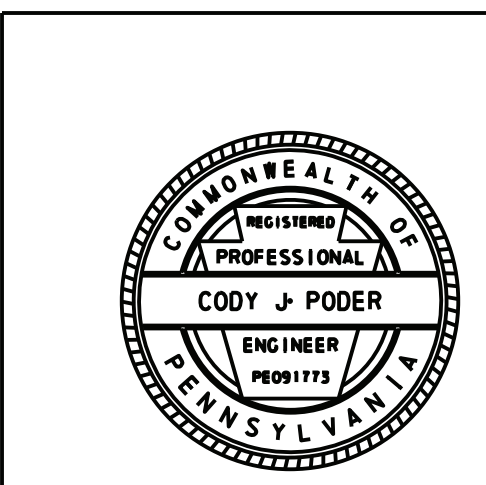
**PROFILE**

SCALE



**LEGEND**

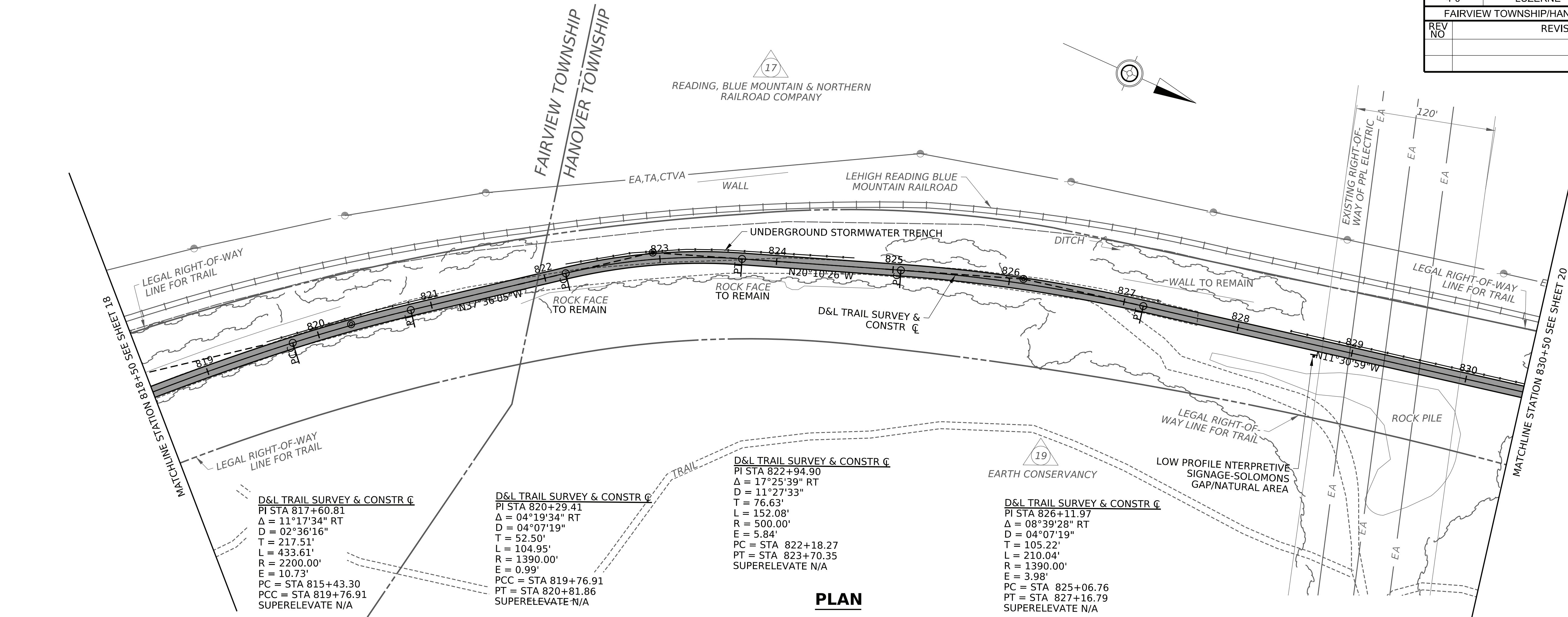
- PROPOSED TRAIL
- SPLIT RAIL FENCE



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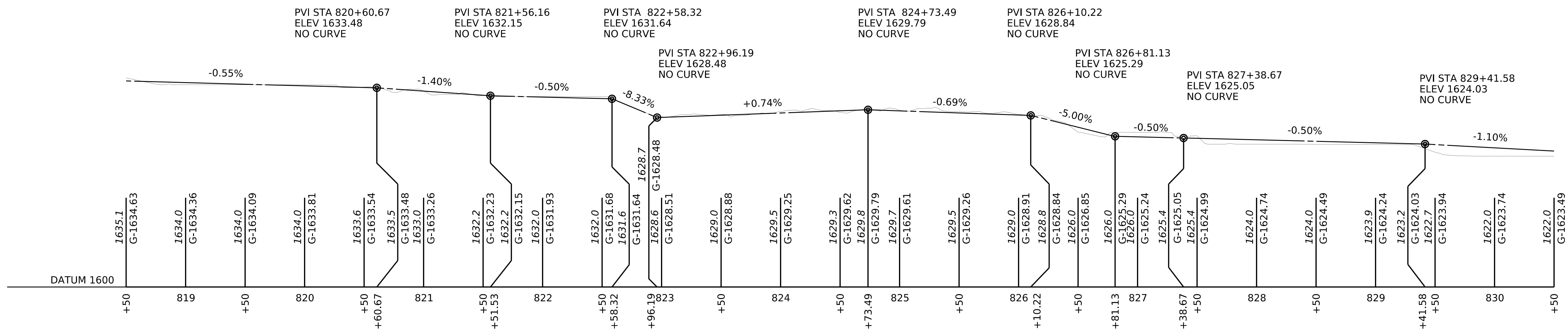
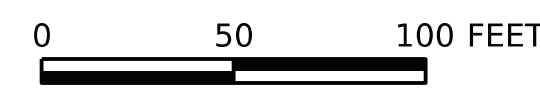
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	19 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



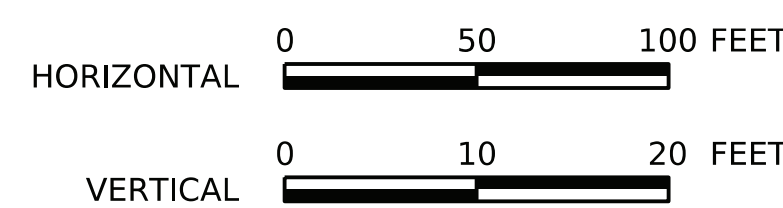
**PLAN**

SCALE



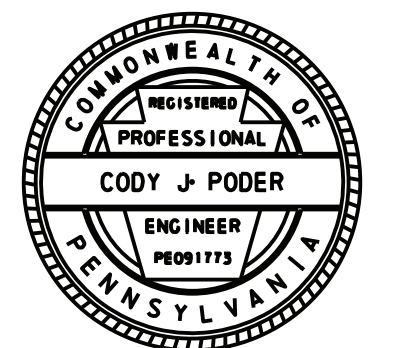
**PROFILE**

SCALE



**LEGEND**

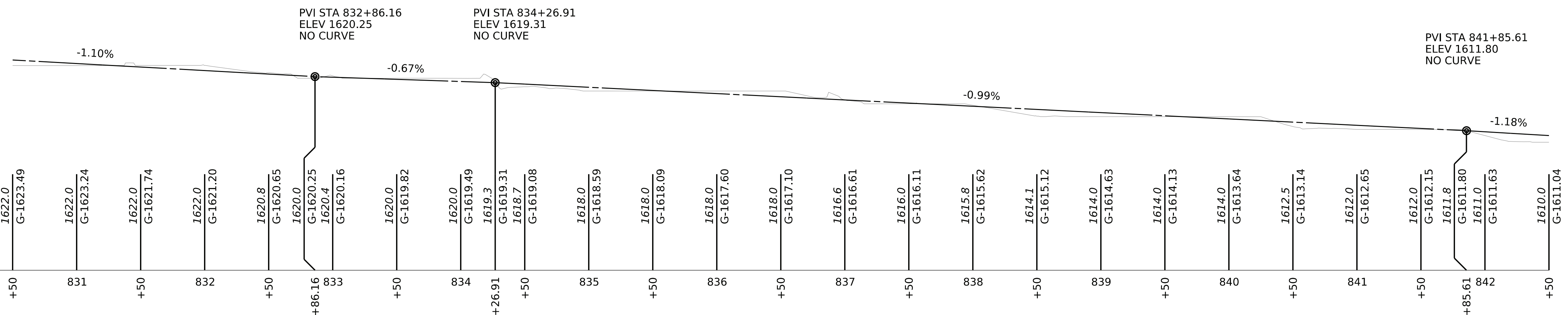
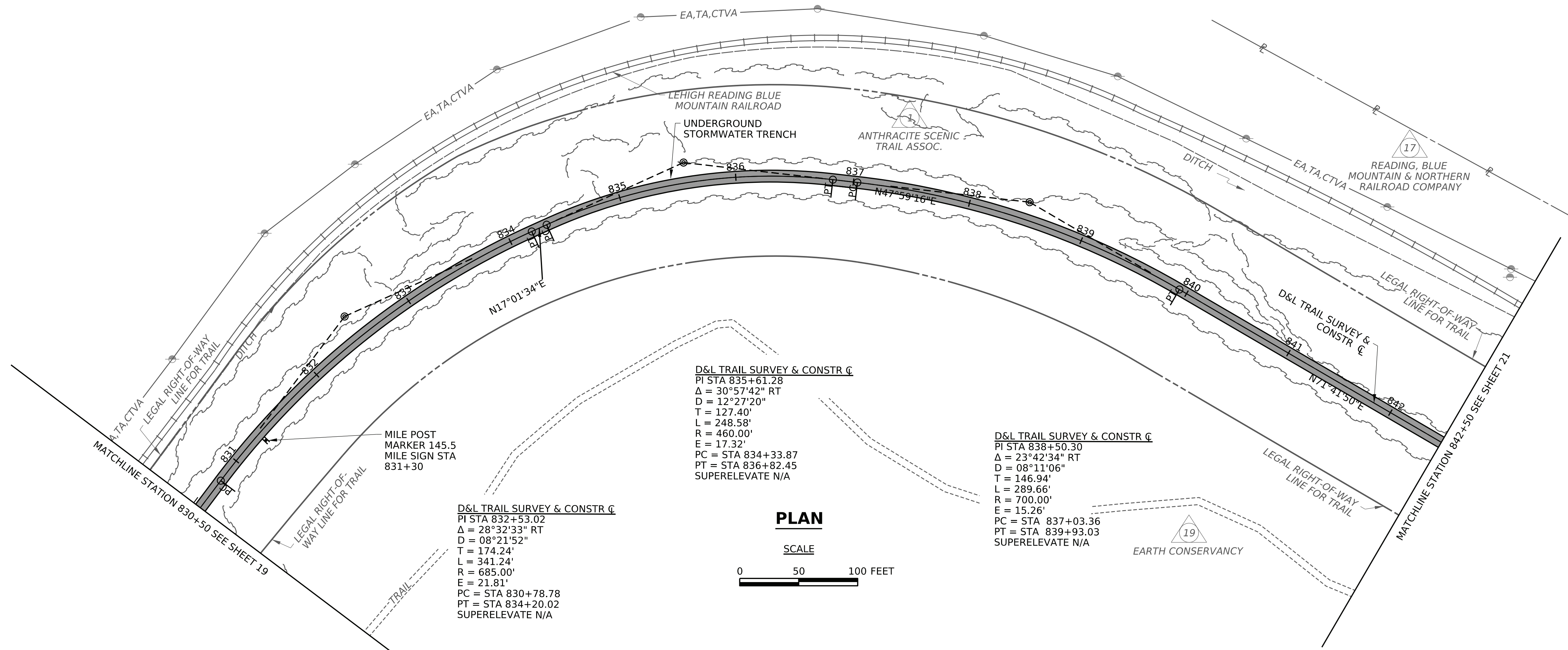
- PROPOSED TRAIL
- SPLIT RAIL FENCE



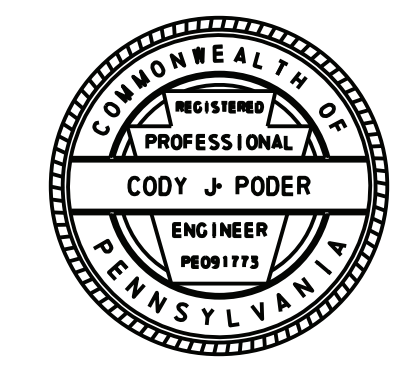
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	20 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



- LEGEND**
- PROPOSED TRAIL
  - SPLIT RAIL FENCE

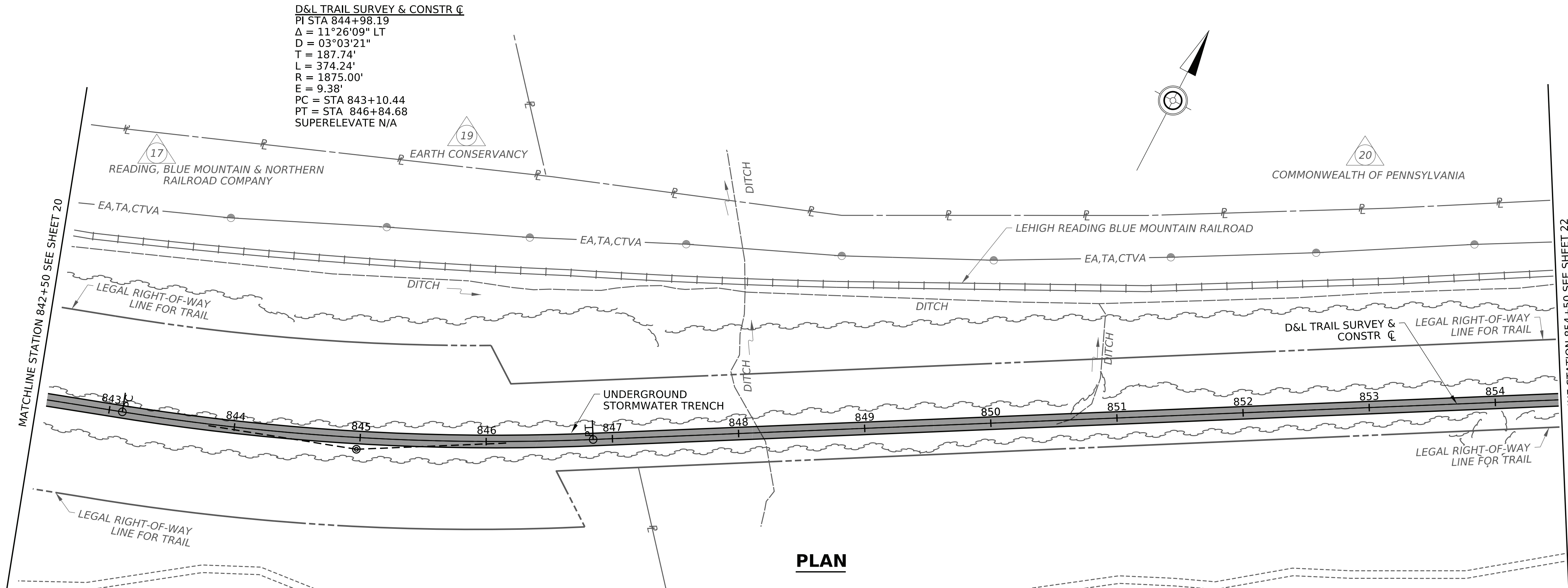


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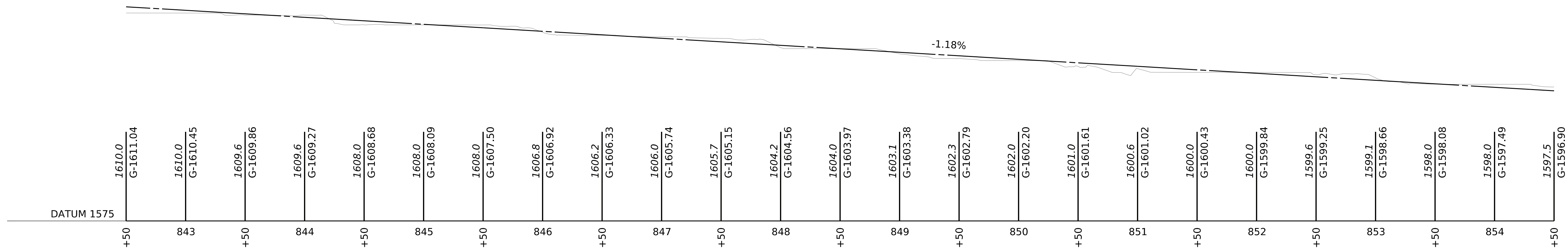
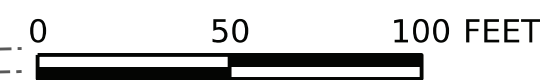
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	21 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD

D&L TRAIL SURVEY & CONSTR. C  
 PI STA 844+98.19  
 $\Delta = 11^{\circ}26'09''$  LT  
 $D = 03^{\circ}03'21''$   
 $T = 187.74'$   
 $L = 374.24'$   
 $R = 1875.00'$   
 $E = 9.38'$   
 PC = STA 843+10.44  
 PT = STA 846+84.68  
 SUPERELEVATE N/A



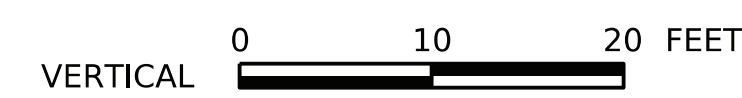
**PLAN**

SCALE



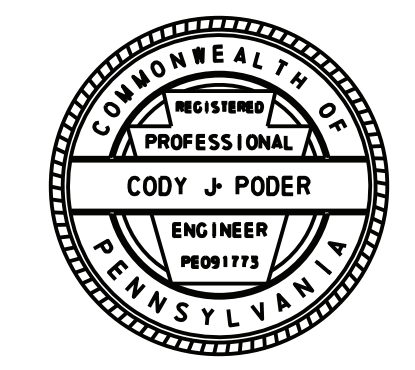
**PROFILE**

SCALE



**LEGEND**

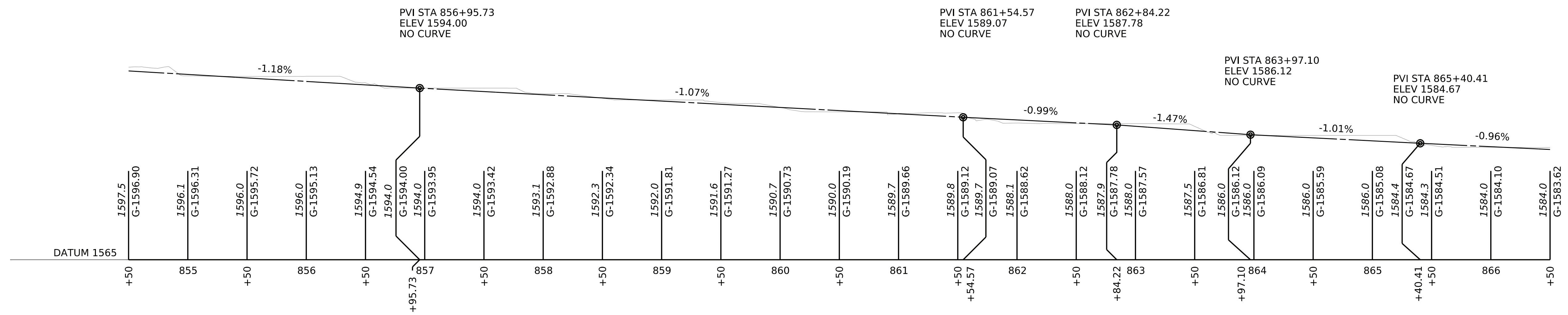
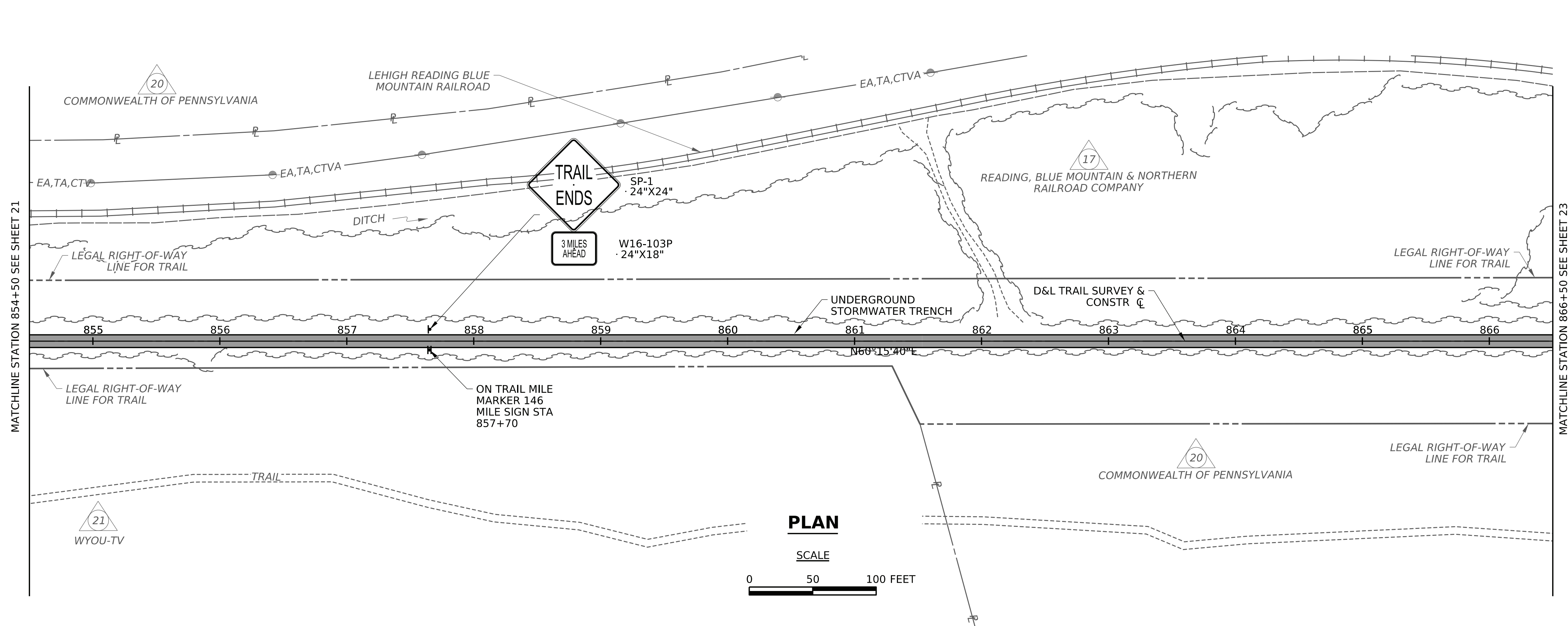
- PROPOSED TRAIL
- SPLIT RAIL FENCE



**NOTE:**  
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OPERATOR: cpoder  
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 GREENWAIN-PEDERSEN, INC.

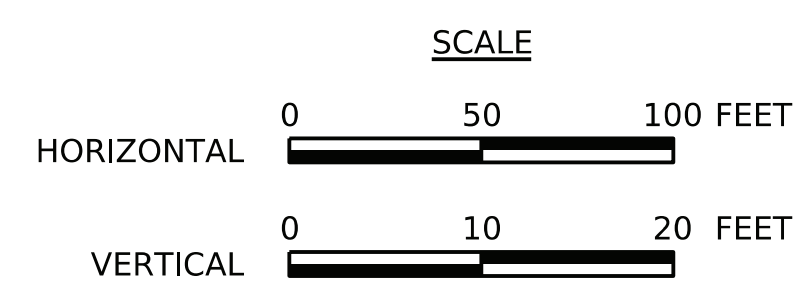
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	22 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS		DATE	BY



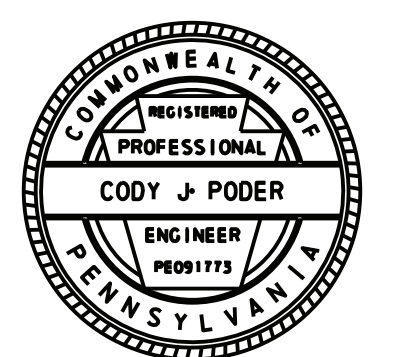
LEGEND

- PROPOSED TRAIL
- SPLIT RAIL FENCE

PROFILE

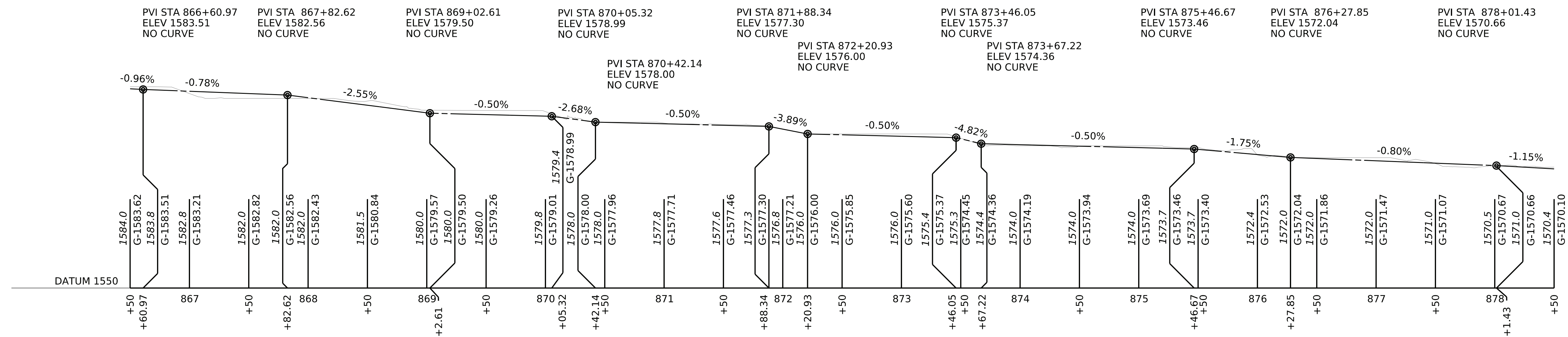
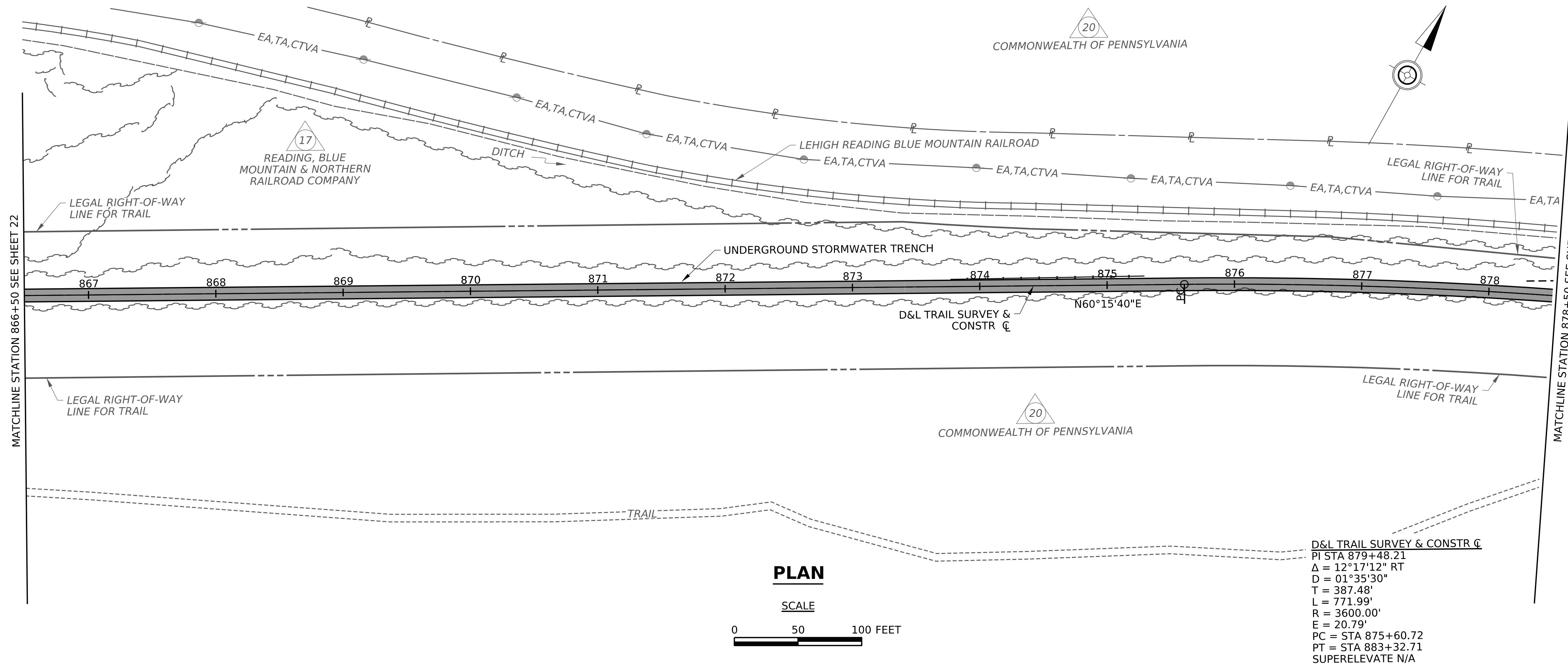


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SHOWN ON CONSTRUCTION PLANS SUPERSEDE LAYOUT OF SAME FEATURES  
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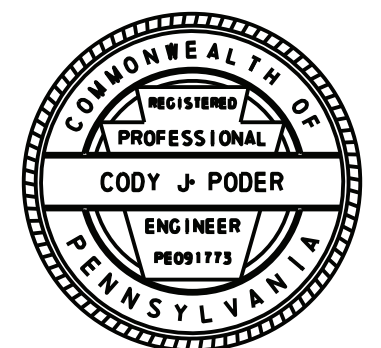


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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	23 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



- LEGEND**
- PROPOSED TRAIL
  - SPLIT RAIL FENCE

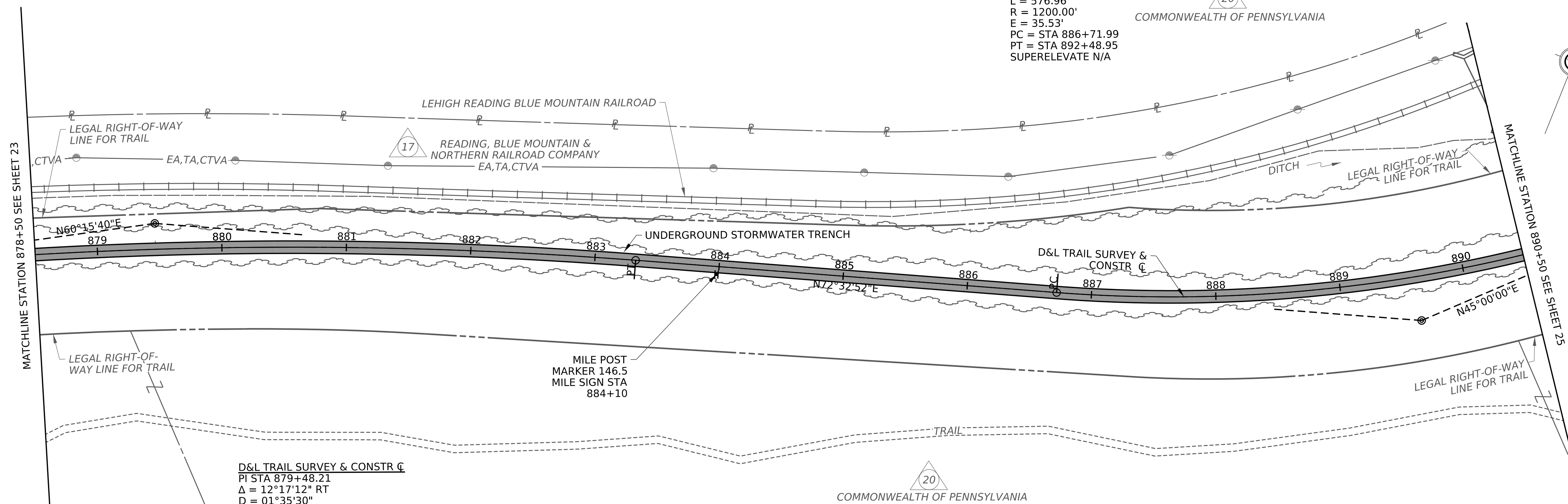


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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	24 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD

**D&L TRAIL SURVEY & CONSTR C**  
 PI STA 889+66.16  
 $\Delta = 27^{\circ}32'52''$  LT  
 $D = 04^{\circ}46'29''$   
 $T = 294.17'$   
 $L = 576.96'$   
 $R = 1200.00'$   
 $E = 35.53'$   
 PC = STA 886+71.99  
 PT = STA 892+48.95  
 SUPERELEVATE N/A

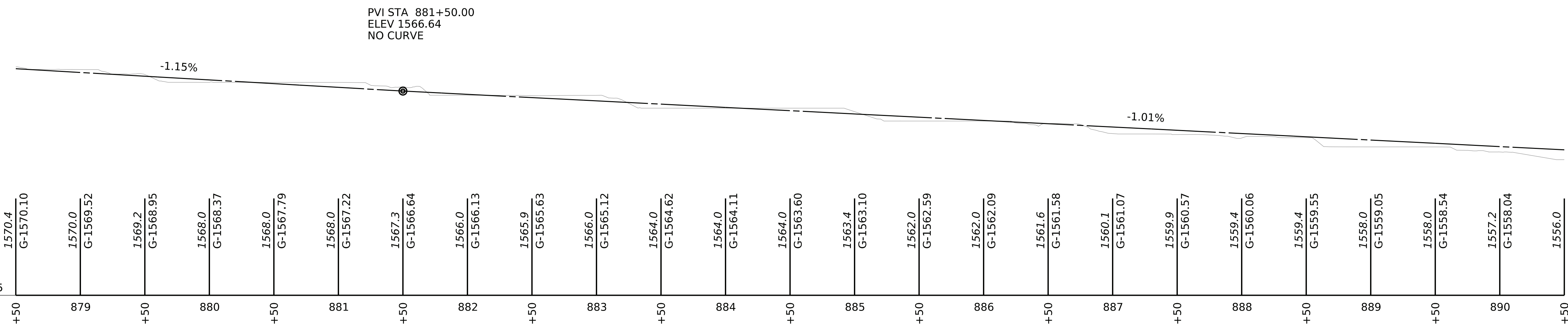
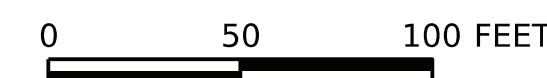
COMMONWEALTH OF PENNSYLVANIA



**D&L TRAIL SURVEY & CONSTR C**  
 PI STA 879+48.21  
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 $D = 01^{\circ}35'30''$   
 $T = 387.48'$   
 $L = 771.99'$   
 $R = 3600.00'$   
 $E = 20.79'$   
 PC = STA 875+60.72  
 PT = STA 883+32.71  
 SUPERELEVATE N/A

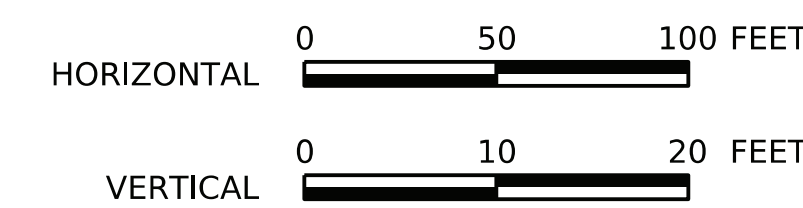
**PLAN**

SCALE



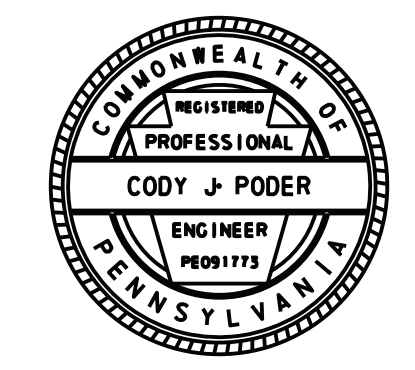
**PROFILE**

SCALE



**LEGEND**

- PROPOSED TRAIL
- SPLIT RAIL FENCE

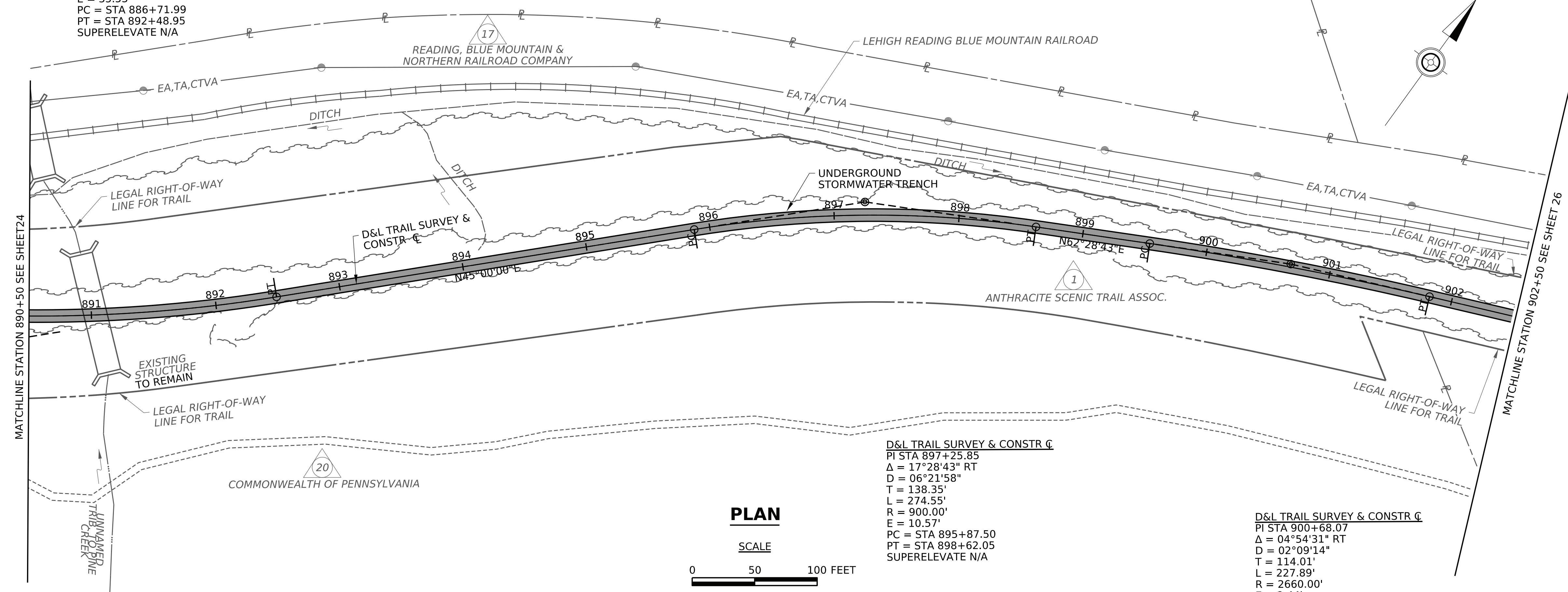


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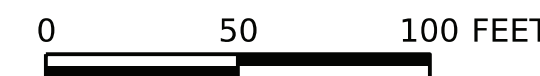
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	25 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD

D&L TRAIL SURVEY & CONSTR C  
 PI STA 889+66.16  
 $\Delta = 27^{\circ}32'52''$  LT  
 $D = 04^{\circ}46'29''$   
 $T = 294.17'$   
 $L = 576.96'$   
 $R = 1200.00'$   
 $E = 35.53'$   
 $PC = STA 886+71.99$   
 $PT = STA 892+48.95$   
 SUPERELEVATE N/A



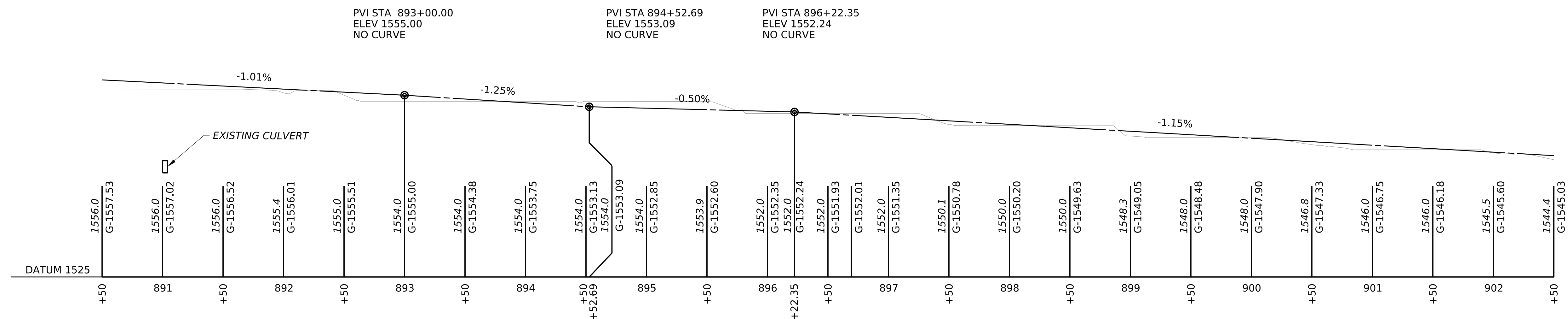
**PLAN**

SCALE



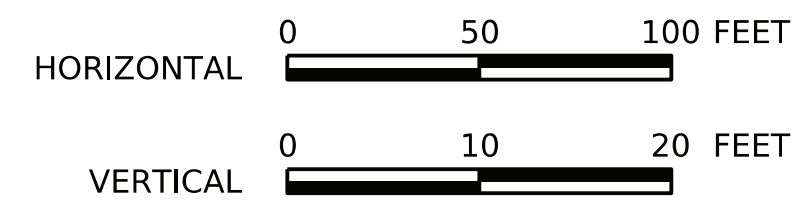
D&L TRAIL SURVEY & CONSTR C  
 PI STA 897+25.85  
 $\Delta = 17^{\circ}28'43''$  RT  
 $D = 06^{\circ}21'58''$   
 $T = 138.35'$   
 $L = 274.55'$   
 $R = 900.00'$   
 $E = 10.57'$   
 $PC = STA 895+87.50$   
 $PT = STA 898+62.05$   
 SUPERELEVATE N/A

D&L TRAIL SURVEY & CONSTR C  
 PI STA 900+68.07  
 $\Delta = 04^{\circ}54'31''$  RT  
 $D = 02^{\circ}09'14''$   
 $T = 114.01'$   
 $L = 227.89'$   
 $R = 2660.00'$   
 $E = 2.44'$   
 $PC = STA 899+54.05$   
 $PT = STA 901+81.94$   
 SUPERELEVATE N/A



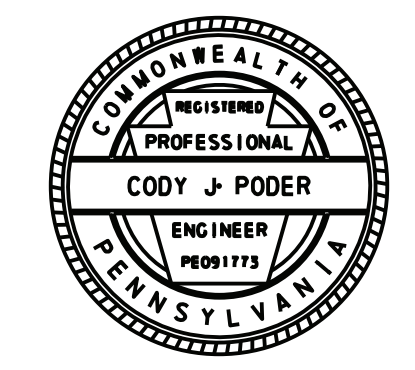
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SCALE



**LEGEND**

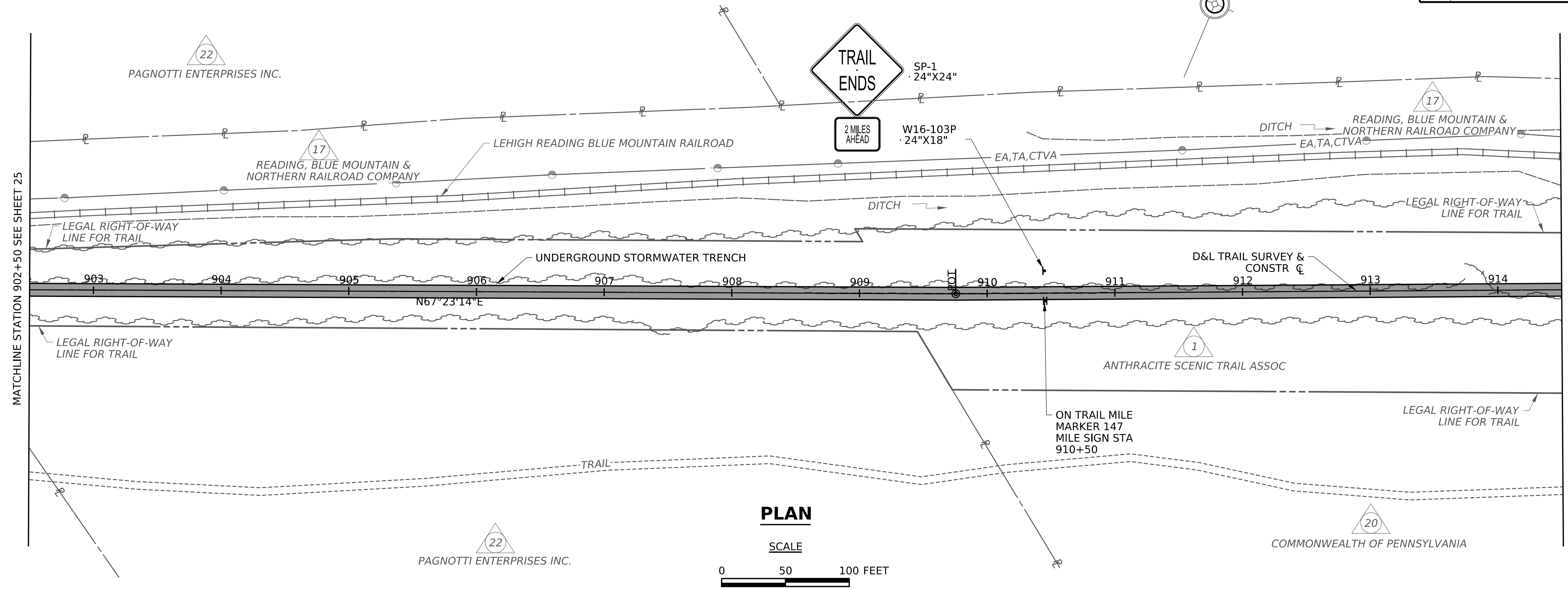
- PROPOSED TRAIL
- SPLIT RAIL FENCE



**NOTE:**  
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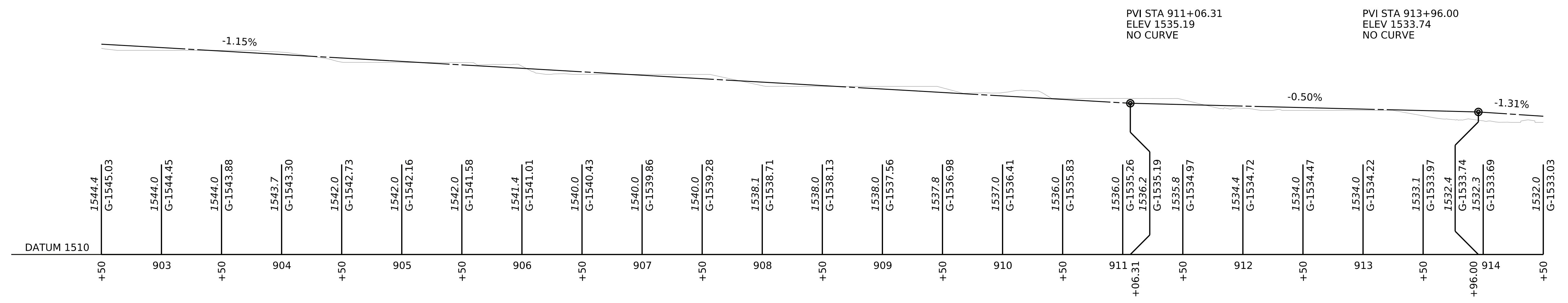
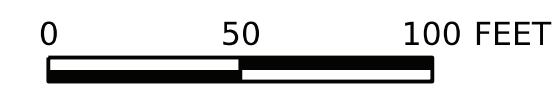
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	26 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS		DATE	BY APPD



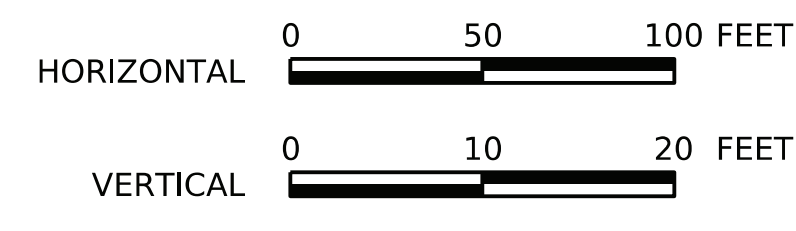
**PLAN**

SCALE

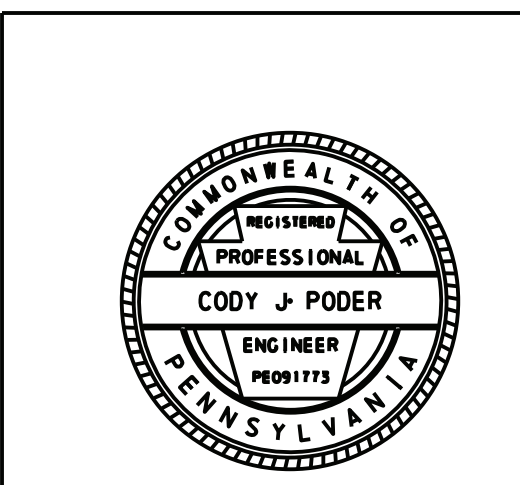


**PROFILE**

SCALE



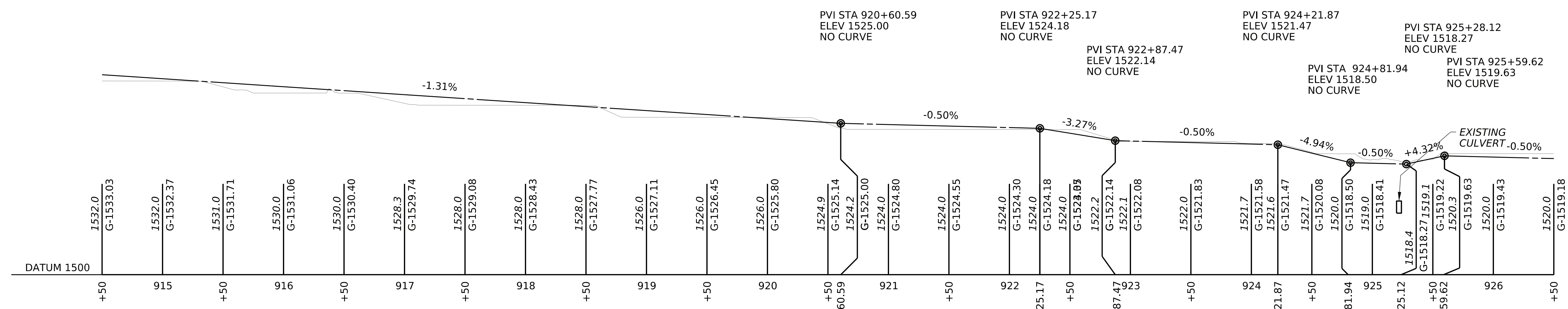
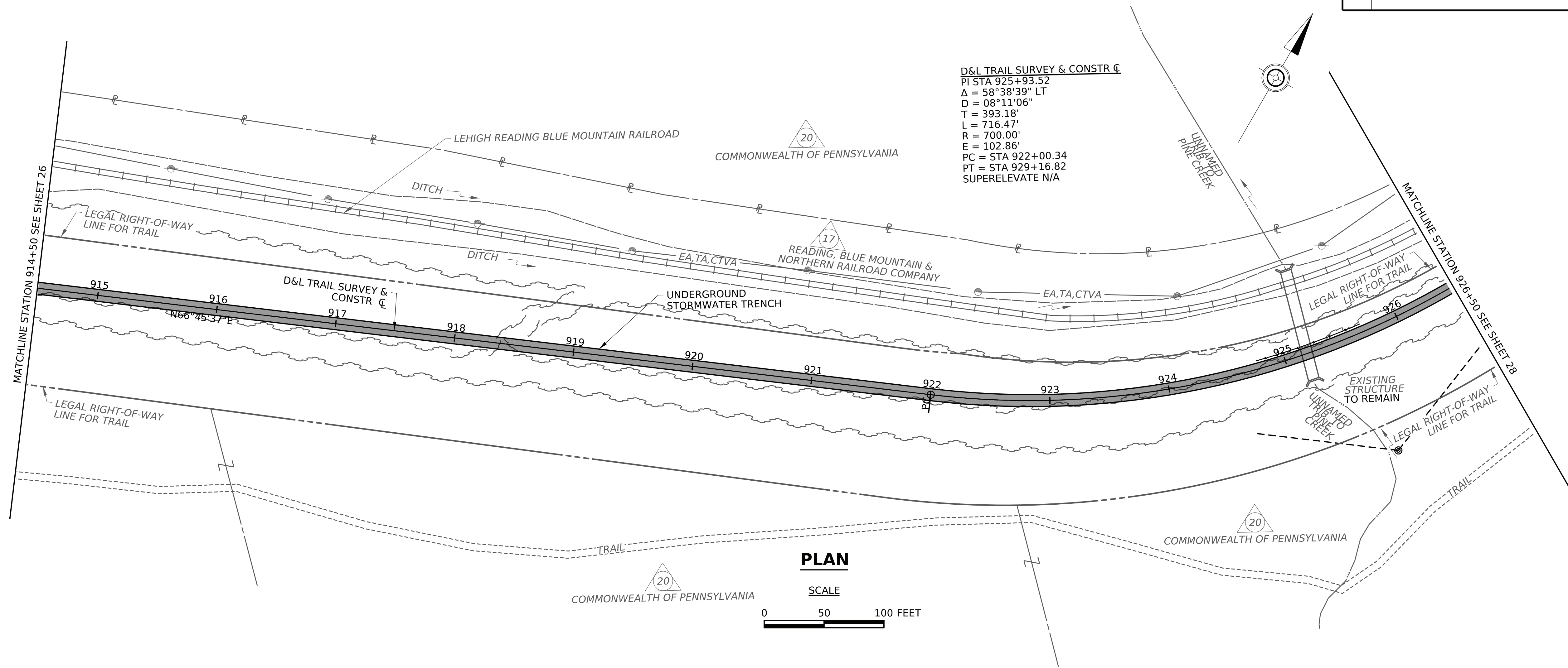
- LEGEND**
- PROPOSED TRAIL
  - SPLIT RAIL FENCE



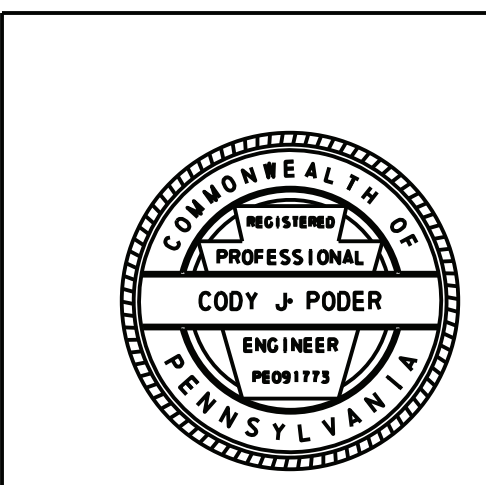
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	27 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD

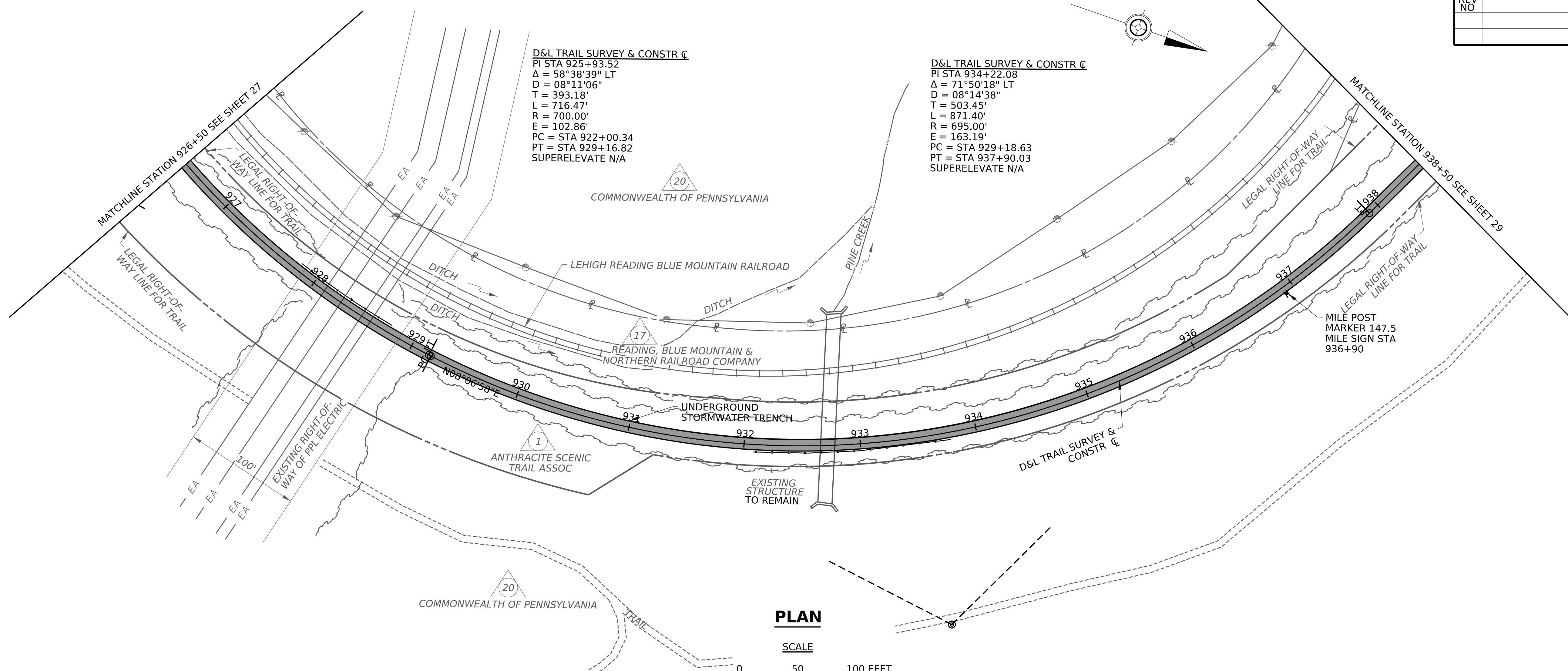


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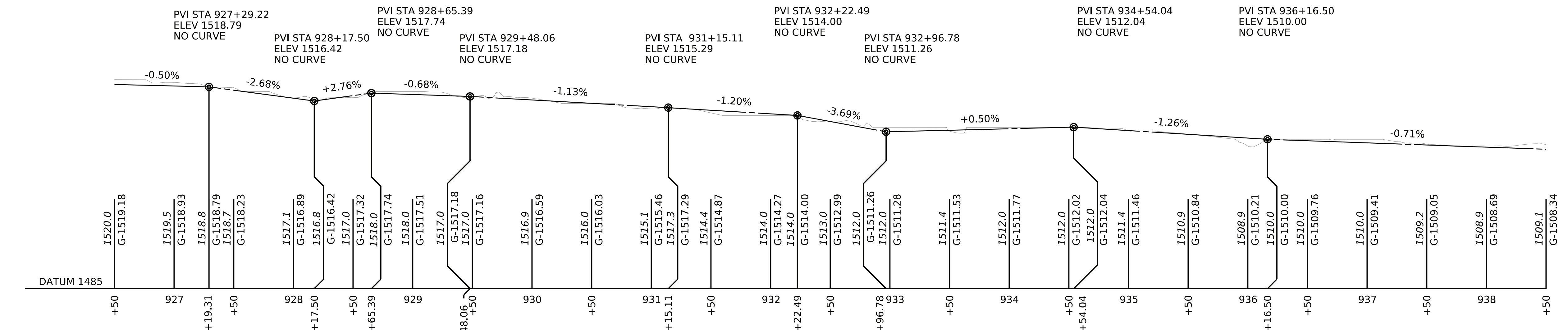


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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	28 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD

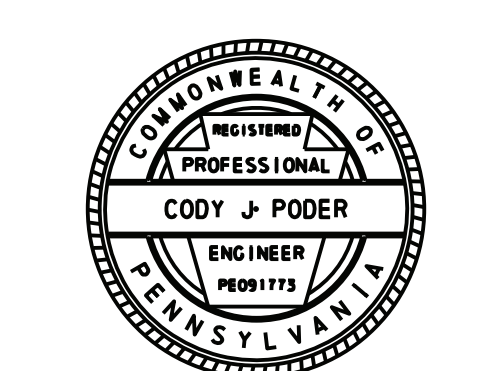


**PLAN**  
SCALE  
0 50 100 FEET



**PROFILE**  
SCALE  
HORIZONTAL 0 50 100 FEET  
VERTICAL 0 10 20 FEET

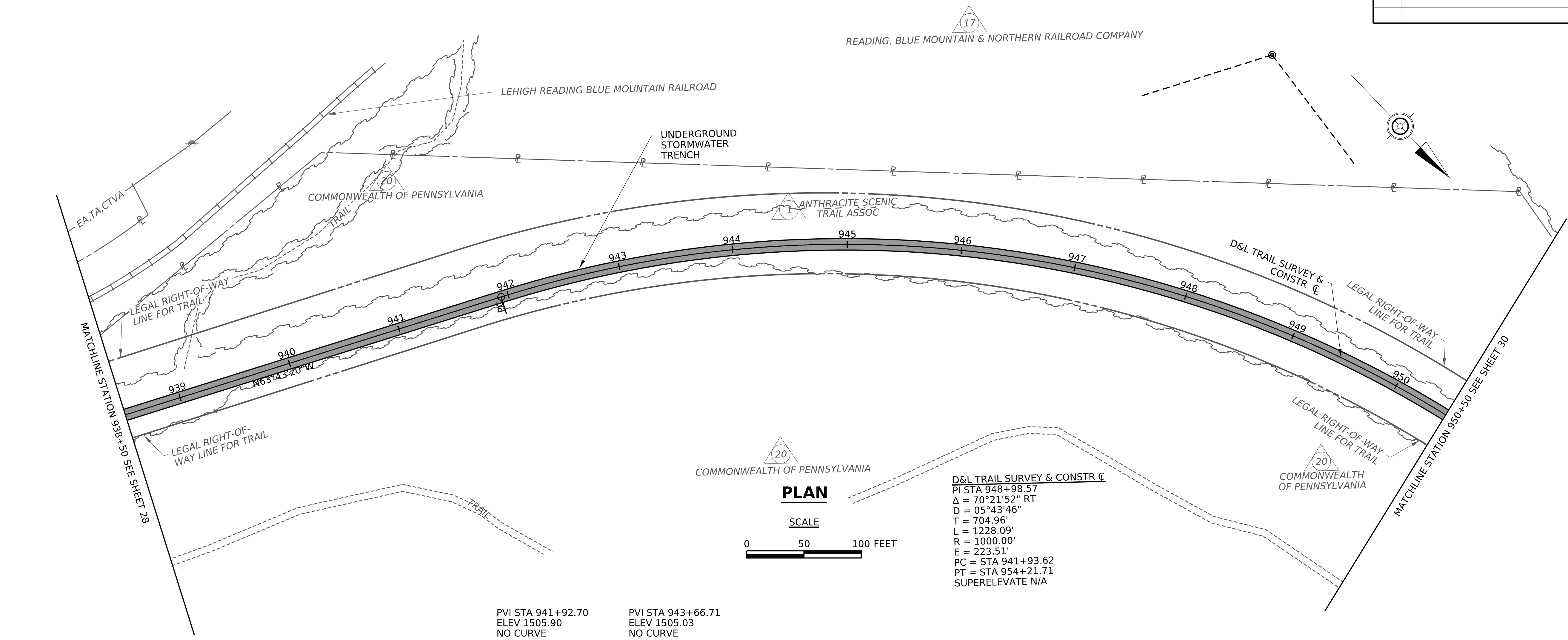
- LEGEND**
- PROPOSED TRAIL
  - SPLIT RAIL FENCE



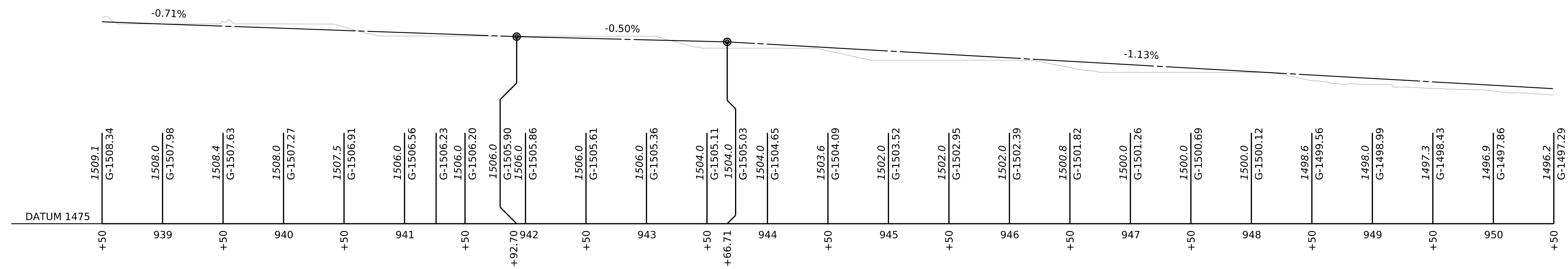
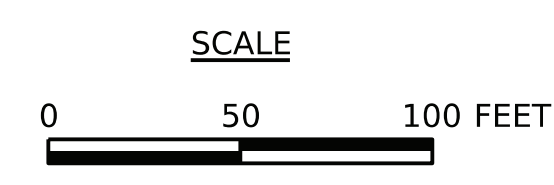
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 GREENMAN-PEDERSEN, INC.

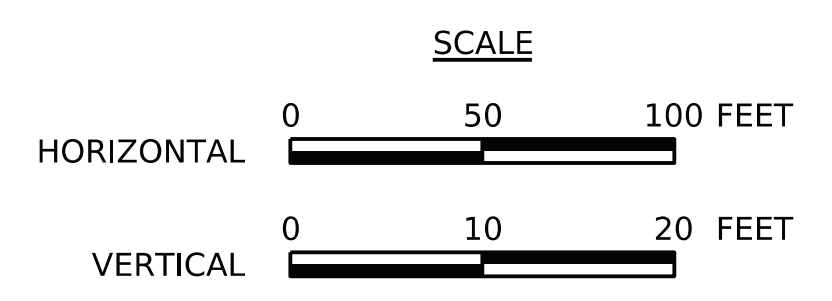
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	29 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



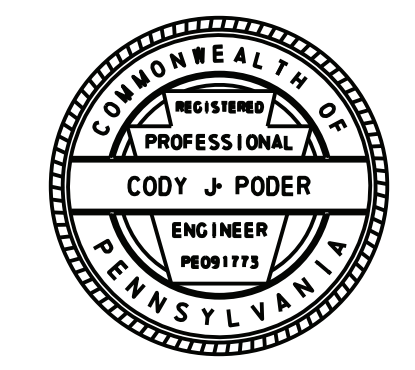
**D&L TRAIL SURVEY & CONSTR C**  
 PI STA 948+98.57  
 $\Delta = 70^\circ 21' 52''$  RT  
 $D = 05^\circ 43' 46''$   
 $T = 704.96'$   
 $L = 1228.00'$   
 $R = 1000.00'$   
 $E = 223.51'$   
 PC = STA 941+93.62  
 PT = STA 954+21.71  
 SUPERELEVATE N/A



**PROFILE**



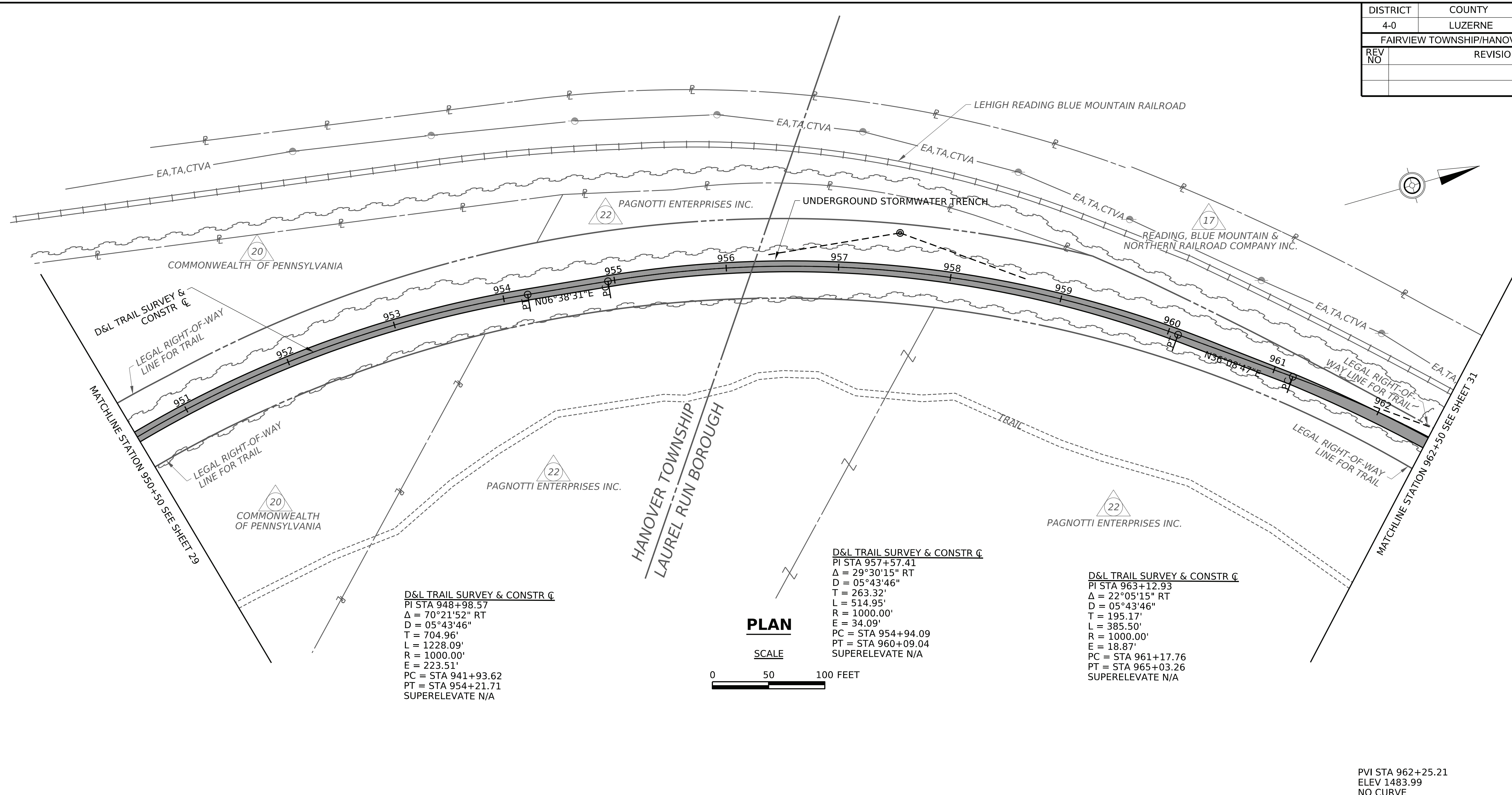
- LEGEND**
- PROPOSED TRAIL
  - SPLIT RAIL FENCE



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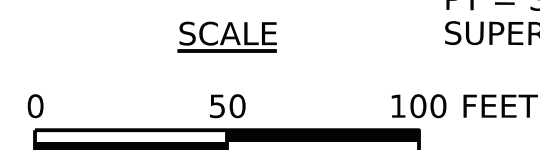
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 GREENMAN-PEDERSEN, INC.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	30 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS		DATE	BY APPD



**D&L TRAIL SURVEY & CONSTR C**  
 PI STA 948+98.57  
 $\Delta = 70^{\circ}21'52''$  RT  
 $D = 05^{\circ}43'46''$   
 $T = 704.96'$   
 $L = 1228.09'$   
 $R = 1000.00'$   
 $E = 223.51'$   
 PC = STA 941+93.62  
 PT = STA 954+21.71  
 SUPERELEVATE N/A

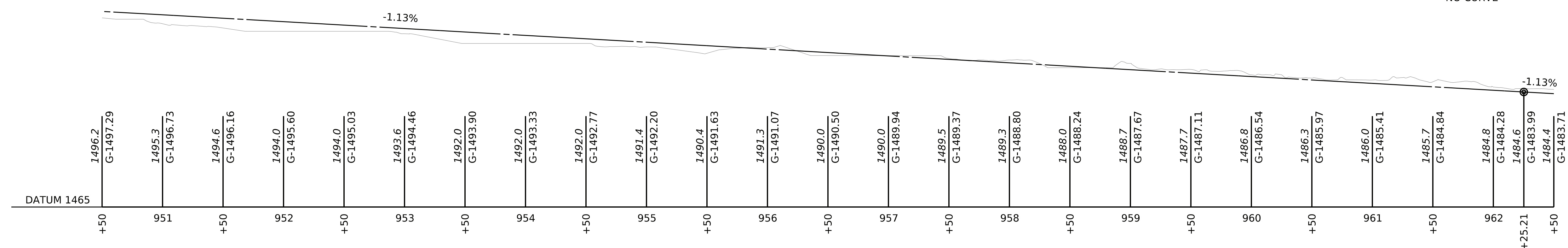
**PLAN**



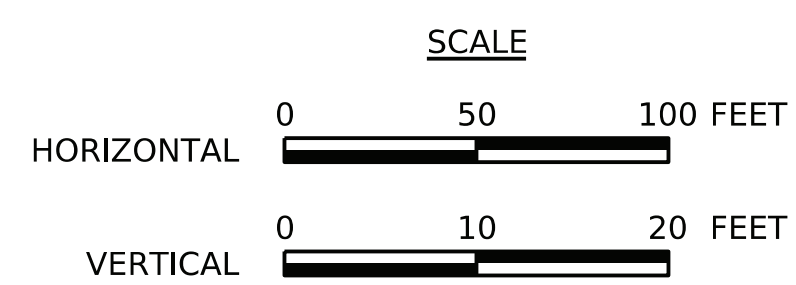
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 PI STA 957+57.41  
 $\Delta = 29^{\circ}30'15''$  RT  
 $D = 05^{\circ}43'46''$   
 $T = 263.32'$   
 $L = 514.95'$   
 $R = 1000.00'$   
 $E = 34.09'$   
 PC = STA 954+94.09  
 PT = STA 960+09.04  
 SUPERELEVATE N/A

**D&L TRAIL SURVEY & CONSTR C**  
 PI STA 963+12.93  
 $\Delta = 22^{\circ}05'15''$  RT  
 $D = 05^{\circ}43'46''$   
 $T = 195.17'$   
 $L = 385.50'$   
 $R = 1000.00'$   
 $E = 18.87'$   
 PC = STA 961+17.76  
 PT = STA 965+03.26  
 SUPERELEVATE N/A

PVI STA 962+25.21  
 ELEV 1483.99  
 NO CURVE

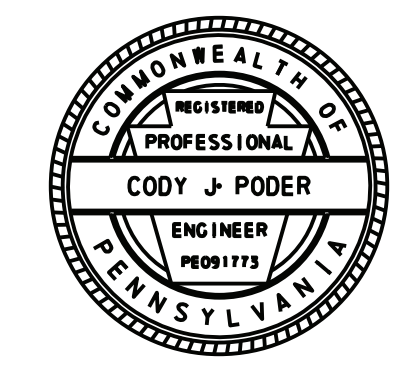


**PROFILE**



**LEGEND**

- PROPOSED TRAIL
- SPLIT RAIL FENCE



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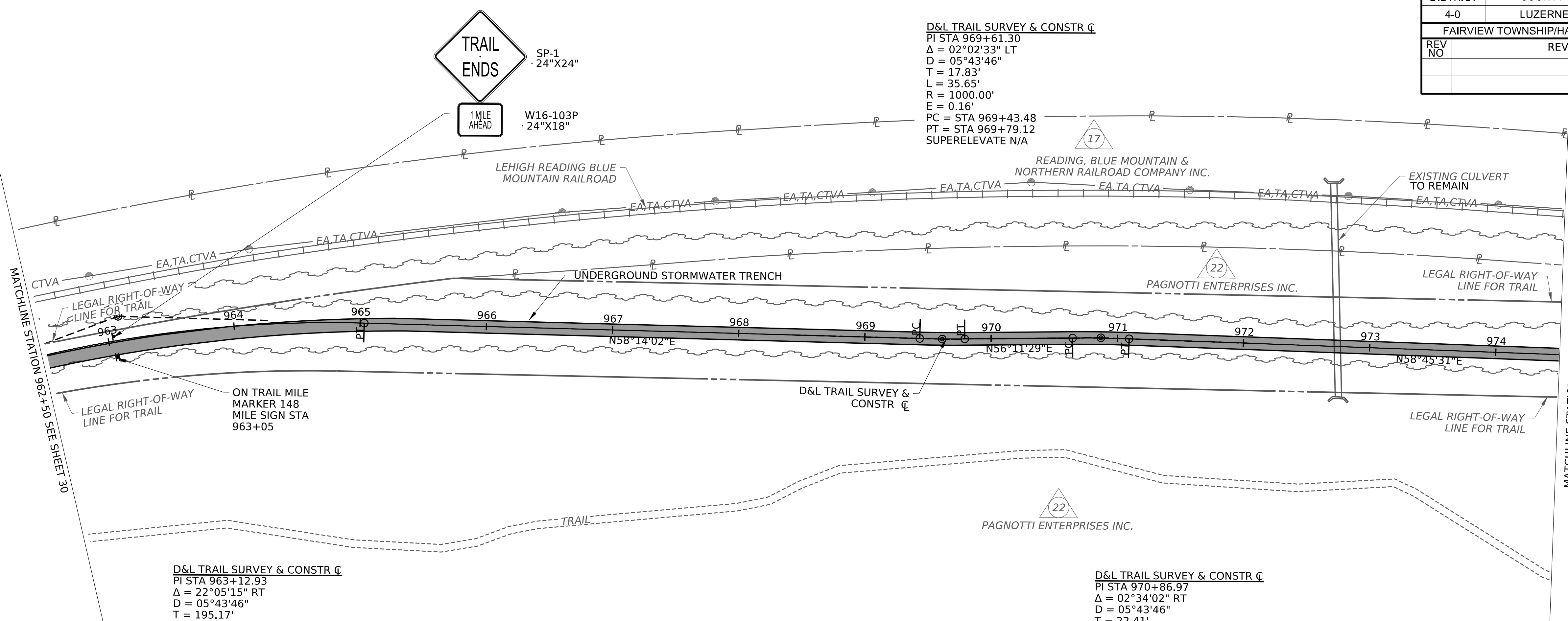
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	31 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD

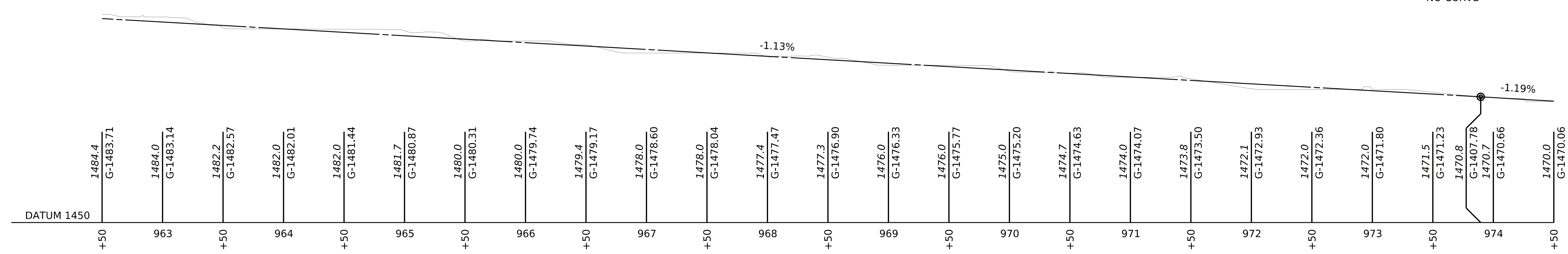
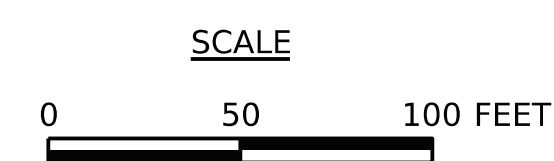
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 PI STA 969+61.30  
 $\Delta = 02^{\circ}02'33''$  LT  
 $D = 05^{\circ}43'46''$   
 $T = 17.83'$   
 $L = 35.65'$   
 $R = 1000.00'$   
 $E = 0.16'$   
 PC = STA 969+43.48  
 PT = STA 969+79.12  
 SUPERELEVATE N/A

**D&L TRAIL SURVEY & CONSTR C**  
 PI STA 963+12.93  
 $\Delta = 22^{\circ}05'15''$  RT  
 $D = 05^{\circ}43'46''$   
 $T = 195.17'$   
 $L = 385.50'$   
 $R = 1000.00'$   
 $E = 18.87'$   
 PC = STA 961+17.76  
 PT = STA 965+03.26  
 SUPERELEVATE N/A

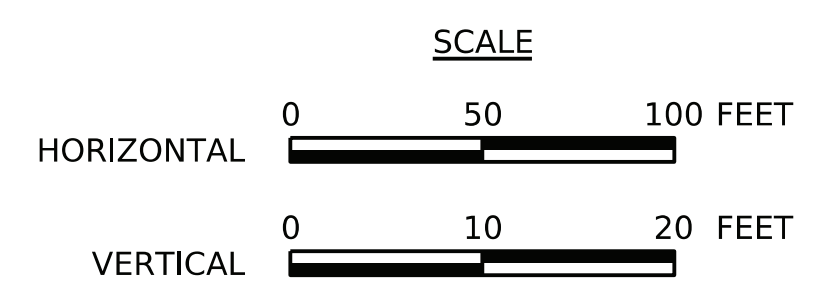
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 $L = 44.80'$   
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 SUPERELEVATE N/A



**PLAN**

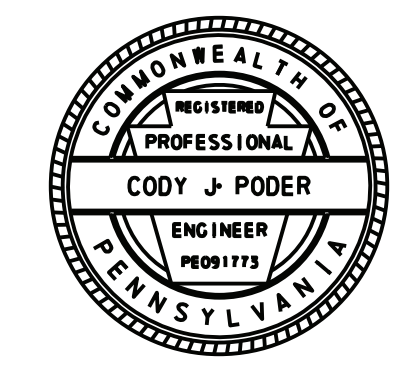


**PROFILE**



**LEGEND**

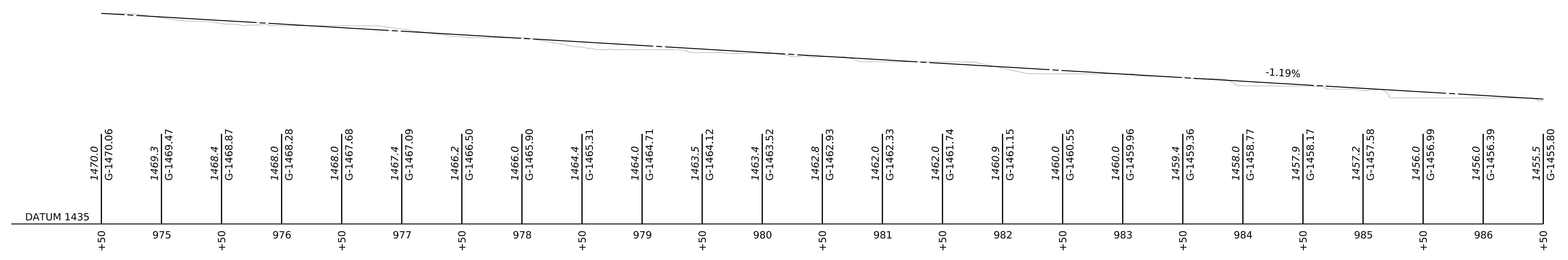
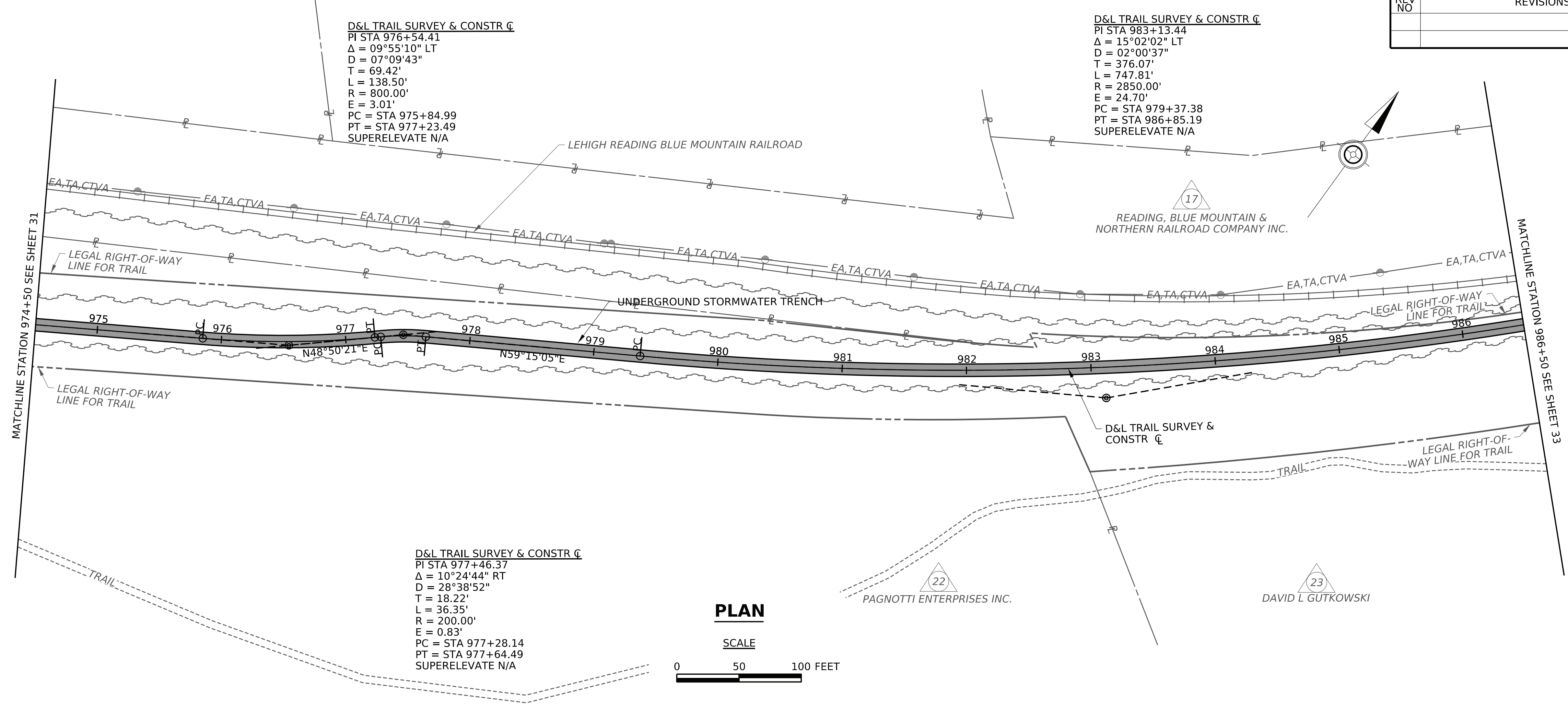
- PROPOSED TRAIL
- SPLIT RAIL FENCE



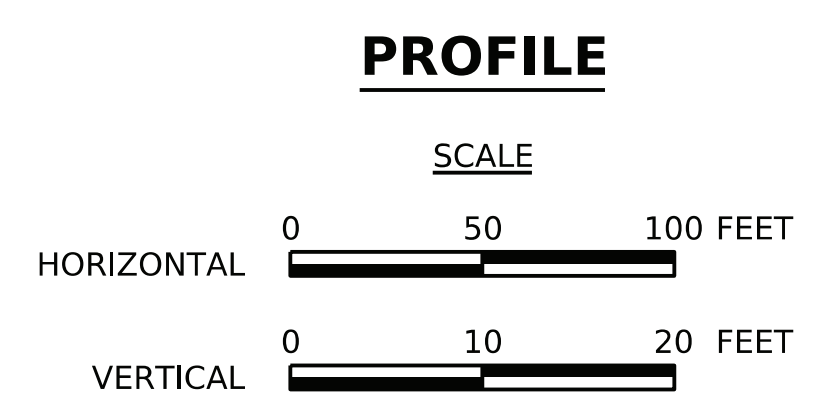
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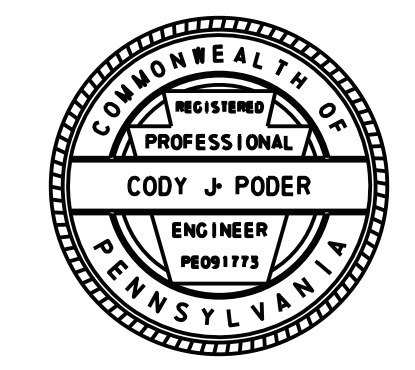
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	32 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



- LEGEND**
- PROPOSED TRAIL
  - SPLIT RAIL FENCE

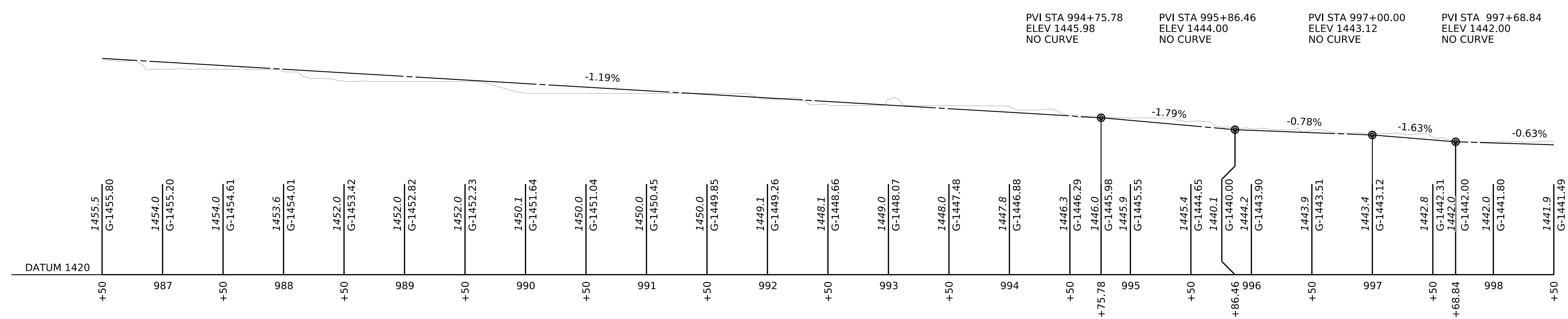
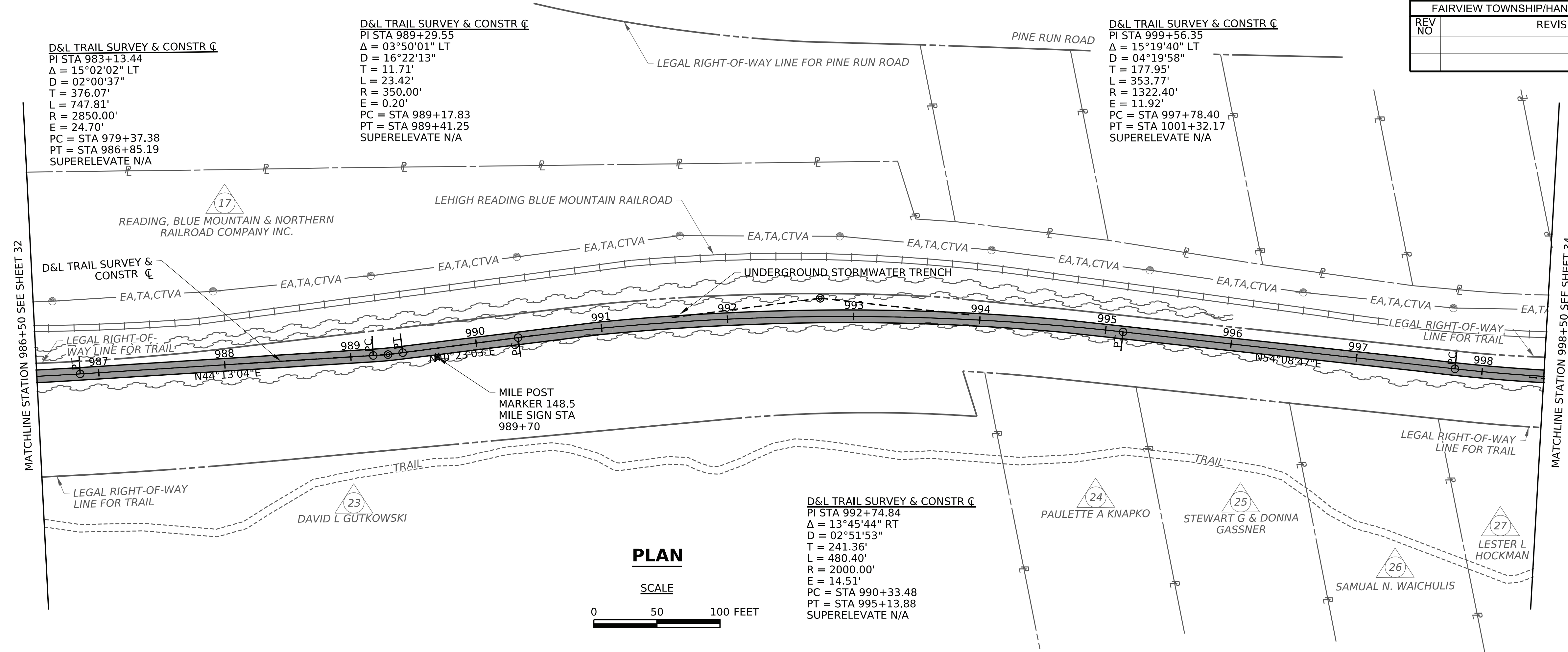


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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	33 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



**LEGEND**

■ PROPOSED TRAIL

—x— SPLIT RAIL FENCE

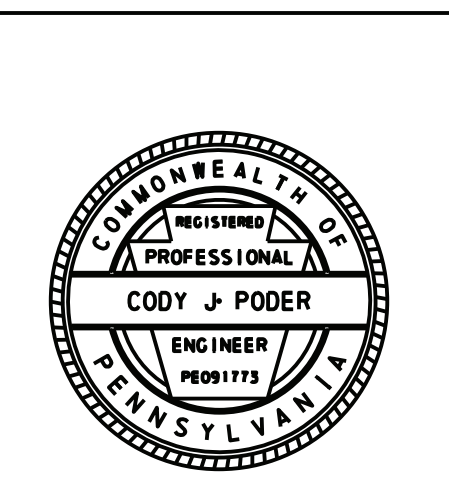
**PROFILE**

SCALE

HORIZONTAL 0 50 100 FEET

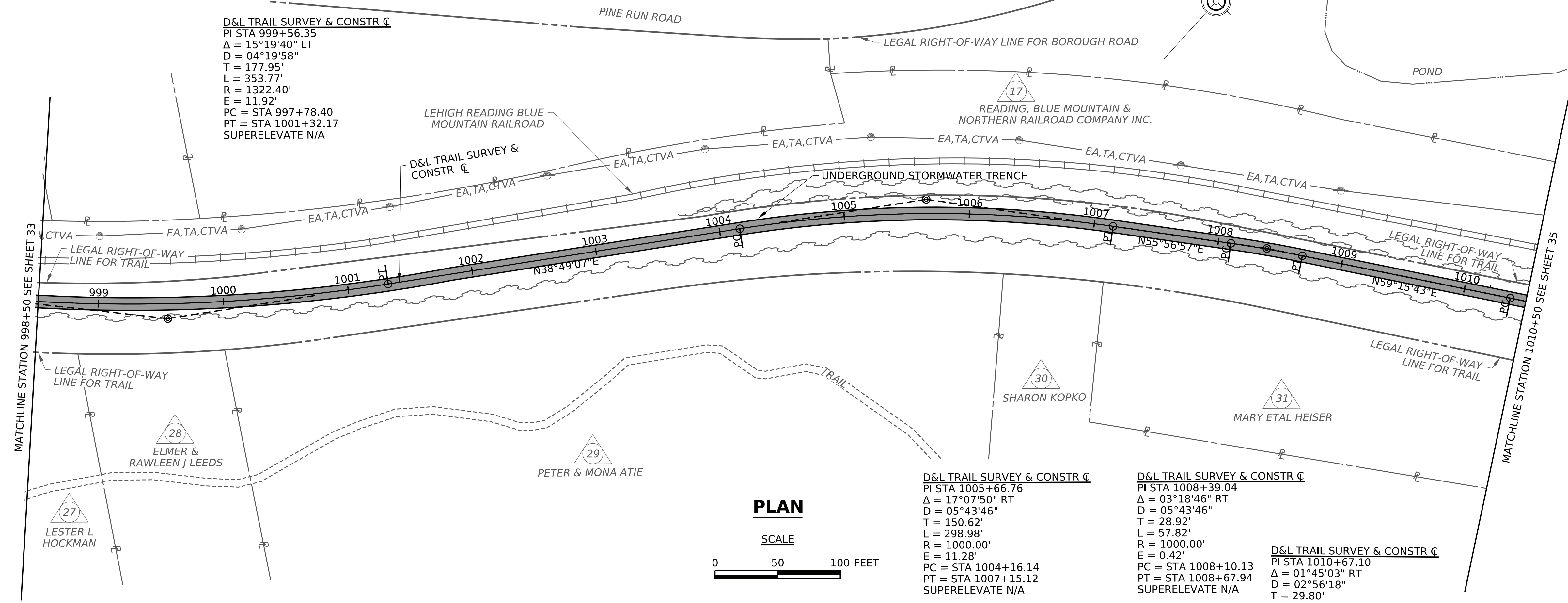
VERTICAL 0 10 20 FEET

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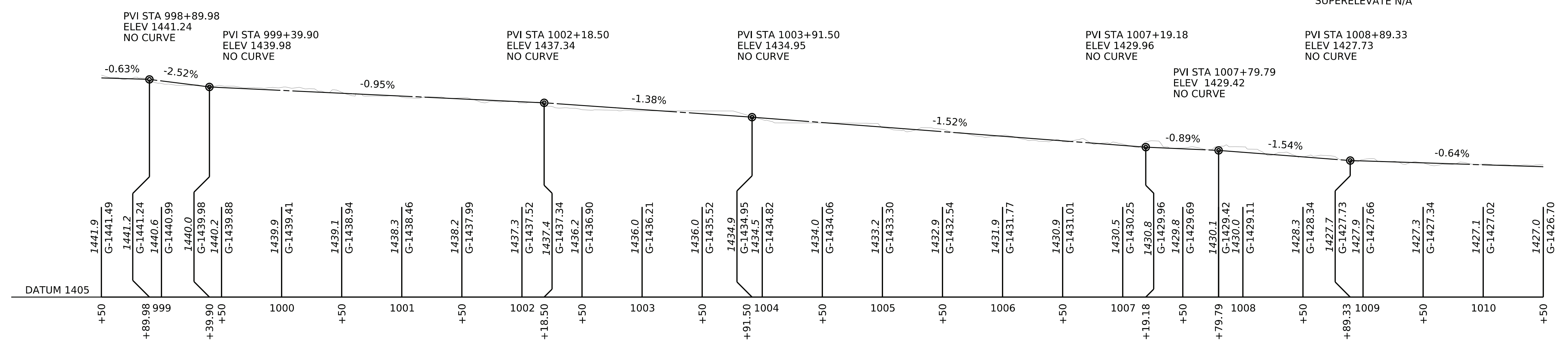
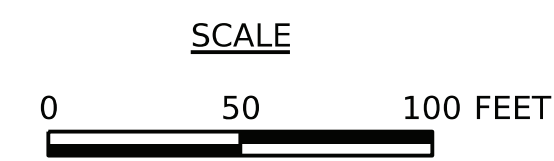


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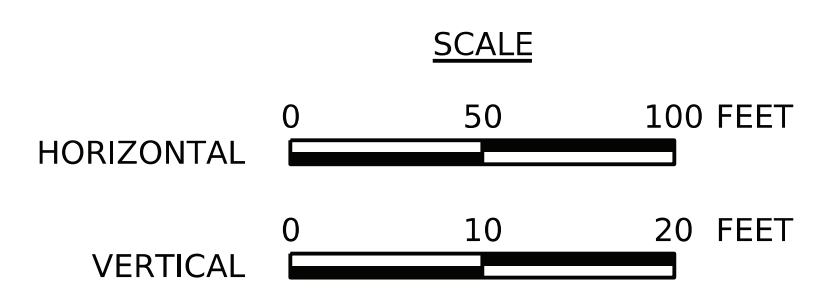
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	34 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



**PLAN**

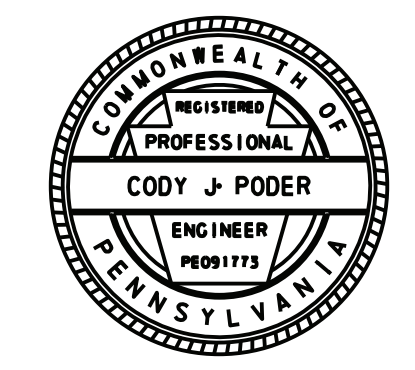


**PROFILE**



**LEGEND**

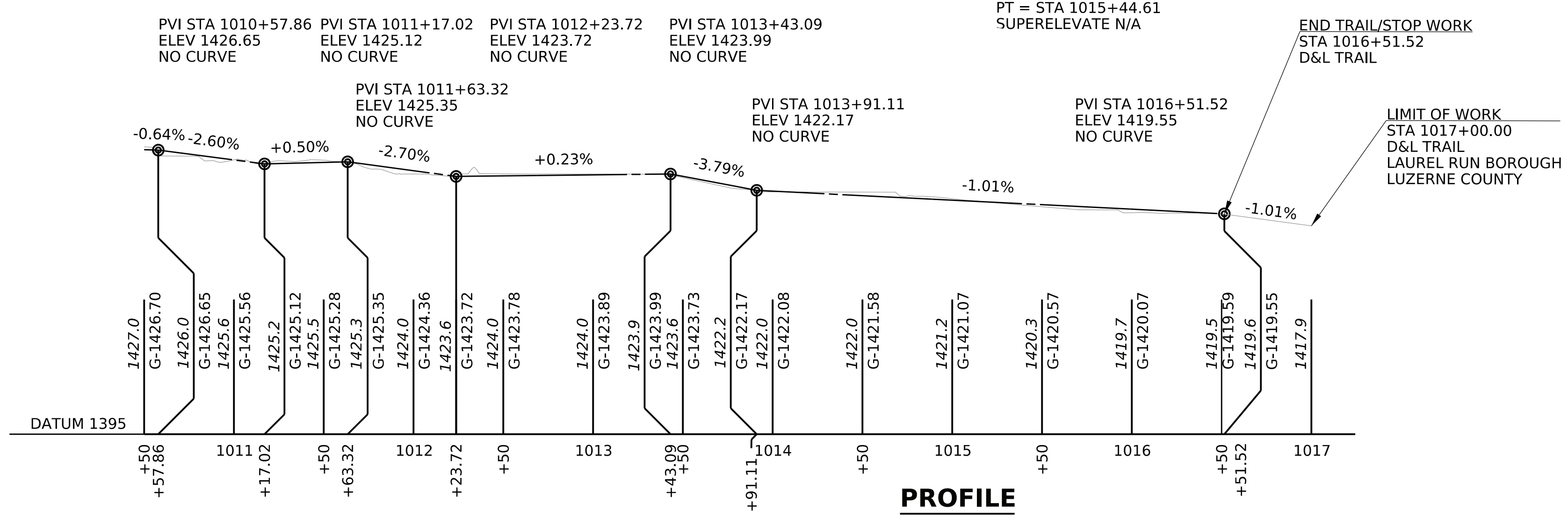
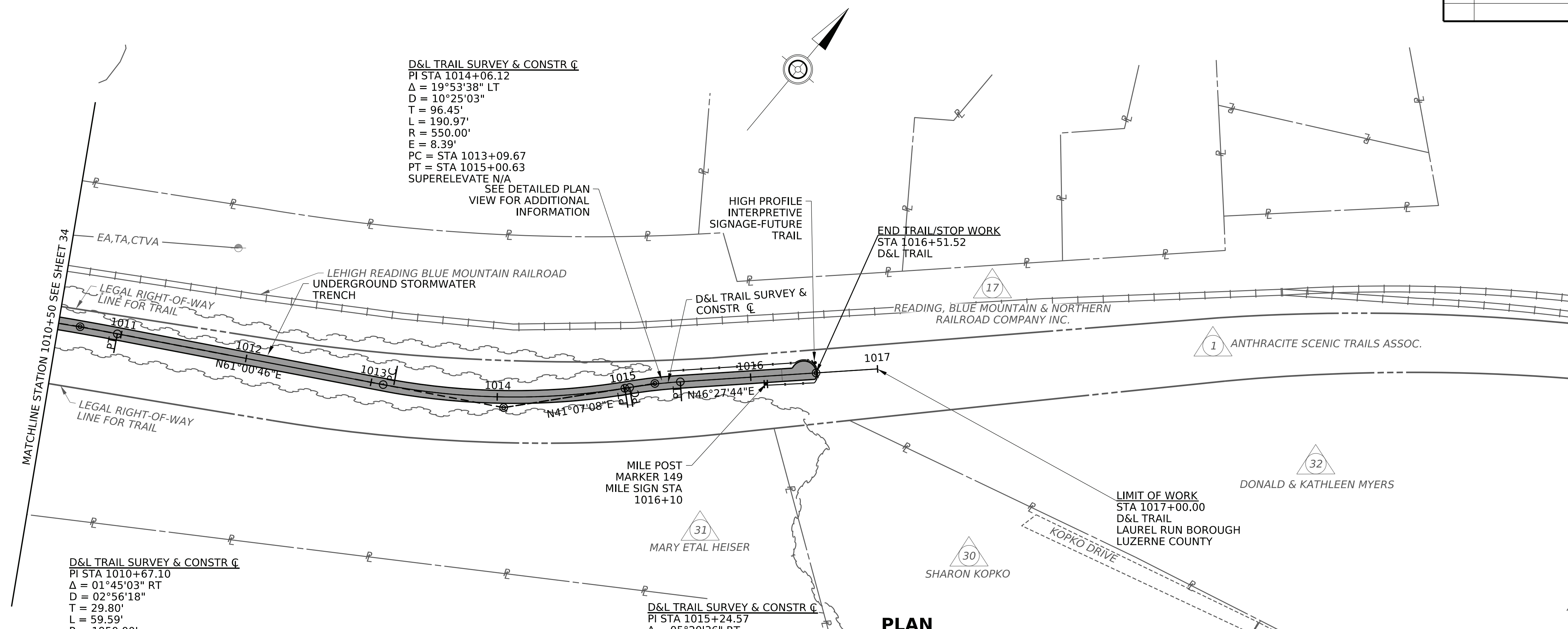
- PROPOSED TRAIL
- SPLIT RAIL FENCE


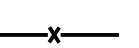


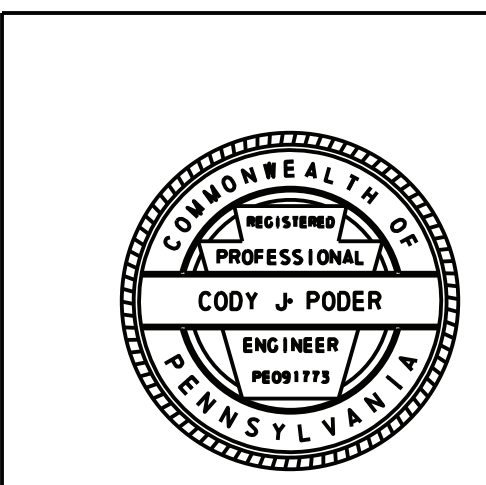
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
4-0	LUZERNE	D&L TRAIL	TAS	35 OF 35
FAIRVIEW TOWNSHIP/HANOVER TOWNSHIP/LAUREL RUN BOROUGH				
REV NO	REVISIONS	DATE	BY	APPD



**LEGEND**  
 PROPOSED TRAIL  
 SPLIT RAIL FENCE



**NOTE:**  
 PROPOSED LAYOUT OF PERMANENT FEATURES THROUGH PROJECT LIMITS SHOWN ON CONSTRUCTION PLANS SUPERSEDE LAYOUT OF SAME FEATURES ON ALSO PLANS. SEE TABULATION SHEETS FOR ITEMS AND LOCATIONS.

OPERATOR: cpoder  
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