

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

MEG-33-9.36

**MEIGS COUNTY
SALISBURY TOWNSHIP**

PROJECT DESCRIPTION

ROCKFALL MITIGATION BY REMOVING LOOSE AND OVERHANGING ROCK BY HAND SCALING AND INSTALLATION OF SLOPE DRAPE AND ANCHORS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 3.44 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.125 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES*
* - MAINTENANCE PROJECT

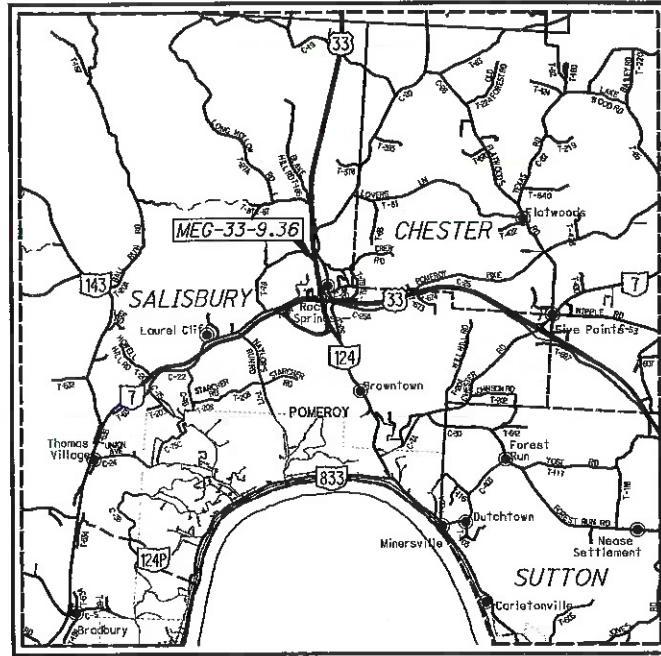
2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED *Paula Miller*
DATE 6/28/21 DISTRICT DEPUTY DIRECTOR

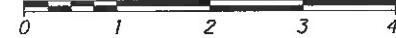
APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION



LOCATION MAP

LATITUDE: 39°03'49" LONGITUDE: 82°01'06"

SCALE IN MILES



PORTION TO BE IMPROVED	-----
INTERSTATE HIGHWAY	-----
FEDERAL ROUTES	-----
STATE ROUTES	-----
COUNTY & TOWNSHIP ROADS	-----
OTHER ROADS	-----

DESIGN DESIGNATION

CURRENT ADT (2021)	9,300
DESIGN YEAR ADT (2041)	11,500
DESIGN HOURLY VOLUME (2041)	1,000
DIRECTIONAL DISTRIBUTION	54%
TRUCKS (24 HOUR B&C)	15%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
PRINCIPAL ARTERIAL	
NHS PROJECT	YES

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:
OHIO DEPARTMENT OF
TRANSPORTATION
CAPITAL PROGRAMS - DISTRICT 10

INDEX OF SHEETS:

TITLE SHEET	1
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SHOTCRETE DETAILS	21
SOIL PROFILE - ROCKFALL	

ENGINEERS SEAL	STANDARD CONSTRUCTION DRAWINGS		SUPPLEMENTAL SPECIFICATIONS	
<p>SIGNED: _____ DATE: 06-28-2021</p>	DM-4.2	7/20/12	800	7/16/21
	DM-4.3	1/15/16	832	10/19/18
	DM-4.4	1/15/16	862	10/16/15
	MT-95.30	7/19/19		
	MT-95.45	1/17/20		
	MT-95.50	7/21/17		
	MT-97.10	4/19/19		
	MT-99.60	7/15/16		
	MT-101.70	1/17/20		
	MT-101.75	1/17/20		
	MT-105.10	1/17/20		
	RM-4.2	4/17/20		

SPECIAL PROVISIONS
ROCK BOLT SPECIAL PROVISIONS
09/17/21

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FEDERAL PROJECT NO.
NON-FEDERAL

PID NO.
114577

CONSTRUCTION PROJECT NO.

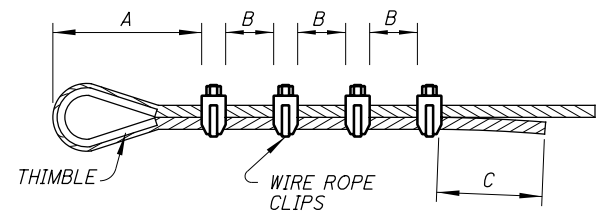
RAILROAD INVOLVEMENT
NONE

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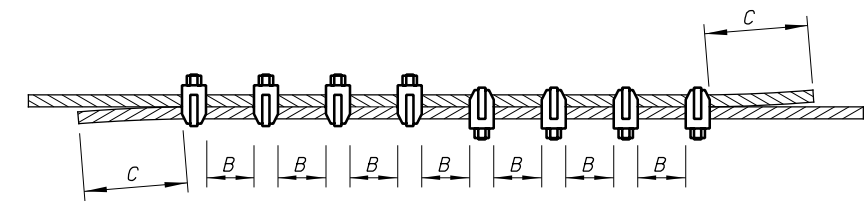
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TABLE 1 SLOPE DRAPE DIMENSIONS					
ANCHOR STATION	BOTTOM ELEVATION	TOP ELEVATION	HEIGHT (FT)	LENGTH (FT)	AREA (SF)
471+00.00	672.40	720.55	48.2	103.5	3628
471+34.50	672.40	737.19	64.8	106.8	4057
	673.81	736.17	62.4	116.2	
471+69.00	673.81	745.36	71.6	119.0	4587
	675.04	744.18	69.1	131.0	
472+03.50	675.04	755.92	80.9	134.9	4790
	675.97	755.76	79.8	136.4	
472+38.00	675.97	768.51	92.5	141.3	5094
	677.14	768.96	91.8	145.1	
472+72.50	677.14	777.88	100.7	150.2	5586
	678.43	780.33	101.9	158.3	
473+07.00	678.43	792.49	114.1	165.5	6139
	679.64	795.41	115.8	174.9	
473+41.50	679.64	805.49	125.9	181.0	6791
	680.78	808.87	128.1	194.5	
473+76.00	680.78	817.83	137.1	199.2	7487
	681.52	823.08	141.6	210.1	
473+99.00	681.52	828.88	147.4	214.0	8158
	682.35	831.49	149.1	222.9	
474+22.00	682.35	837.01	154.7	225.6	8902
	683.58	840.81	157.2	232.6	
474+56.50	683.58	844.06	160.5	231.3	9680
	684.77	848.70	163.9	246.0	
474+91.00	684.77	847.60	162.8	245.6	10465
	685.34	853.95	168.6	256.9	
475+25.50	685.34	846.84	161.5	251.2	11242
	685.84	849.57	163.7	257.9	
475+60.00	685.84	845.47	159.6	254.7	12019
	686.67	842.21	155.5	246.3	
475+94.50	686.67	839.40	152.7	246.0	12796
	687.06	837.42	150.4	238.9	
476+29.00	687.06	825.44	138.4	230.1	13576
	687.76	822.34	134.6	223.0	
476+63.50	687.76	813.00	125.2	216.2	14357
	689.06	809.59	120.5	207.0	
476+98.00	689.06	802.57	113.5	202.9	15137
	690.03	799.39	109.4	194.4	
477+32.50	690.03	796.45	106.4	192.4	15918
TOTAL AREA OF DRAPE:					122698 SF
					122698/9 = 13633 SY
SLOPE IRREGULARITY INCREASE (10%):					1363 SY
TOTAL TO GENERAL SUMMARY:					14996 SY

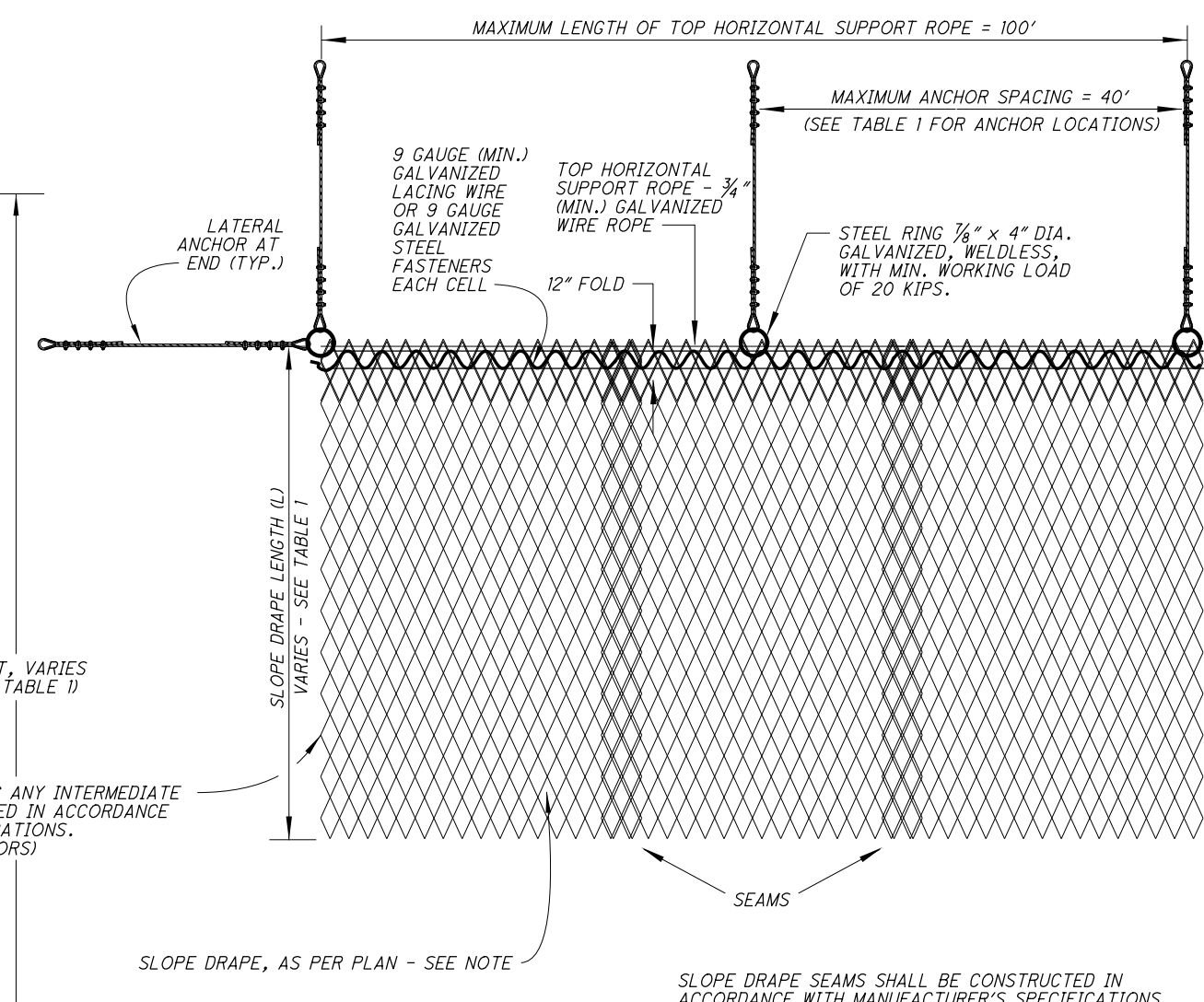
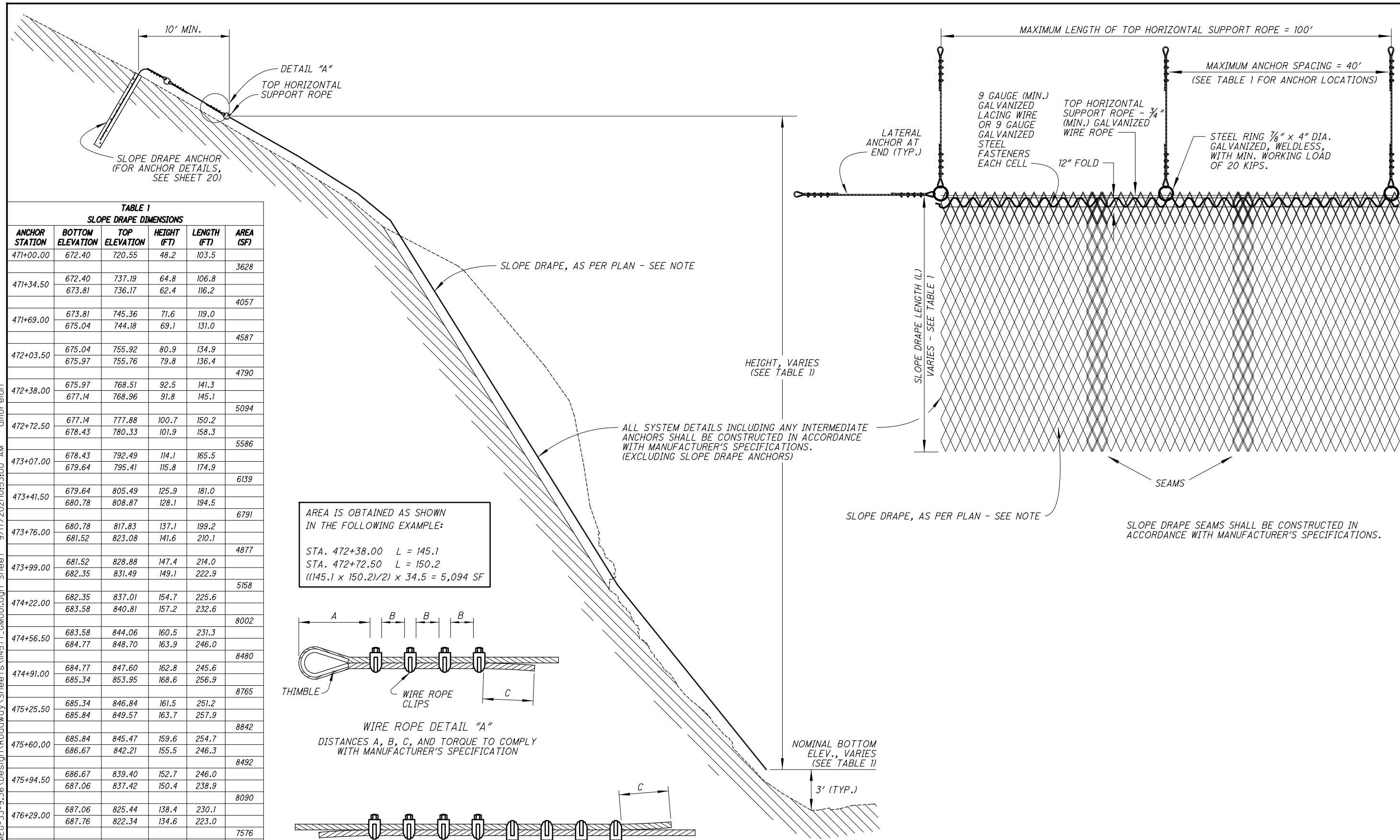
AREA IS OBTAINED AS SHOWN IN THE FOLLOWING EXAMPLE:
 STA. 472+38.00 L = 145.1
 STA. 472+72.50 L = 150.2
 $((145.1 \times 150.2)/2) \times 34.5 = 5,094 \text{ SF}$



DISTANCES A, B, C, AND TORQUE TO COMPLY WITH MANUFACTURER'S SPECIFICATION



DISTANCES B, C, AND TORQUE TO COMPLY WITH MANUFACTURER'S SPECIFICATION



- NOTES:
 1. FOR ADDITIONAL SLOPE DRAPE DETAILS, SEE SUPPLEMENTAL SPECIFICATION 862.
 2. DETAILS NOT TO SCALE.
 3. ANY INTERMEDIATE ANCHORS OF THE PROTECTION SYSTEM TO THE SLOPE SHALL BE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.