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Finance & Administration*
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April 14, 2026

Co3265 – Pittsford-Brandon NH 019-3(494)

ADDENDUM #5

Bidders:

Changes have been made to the documents located on the Bid Opportunity website as noted below:

REVISED:

Invitation for Bids updated to reflect quantity updates.
Plan Seets 12, 13, 30, 285, 415, 416 & 417 have been revised.

ADDED:

None.

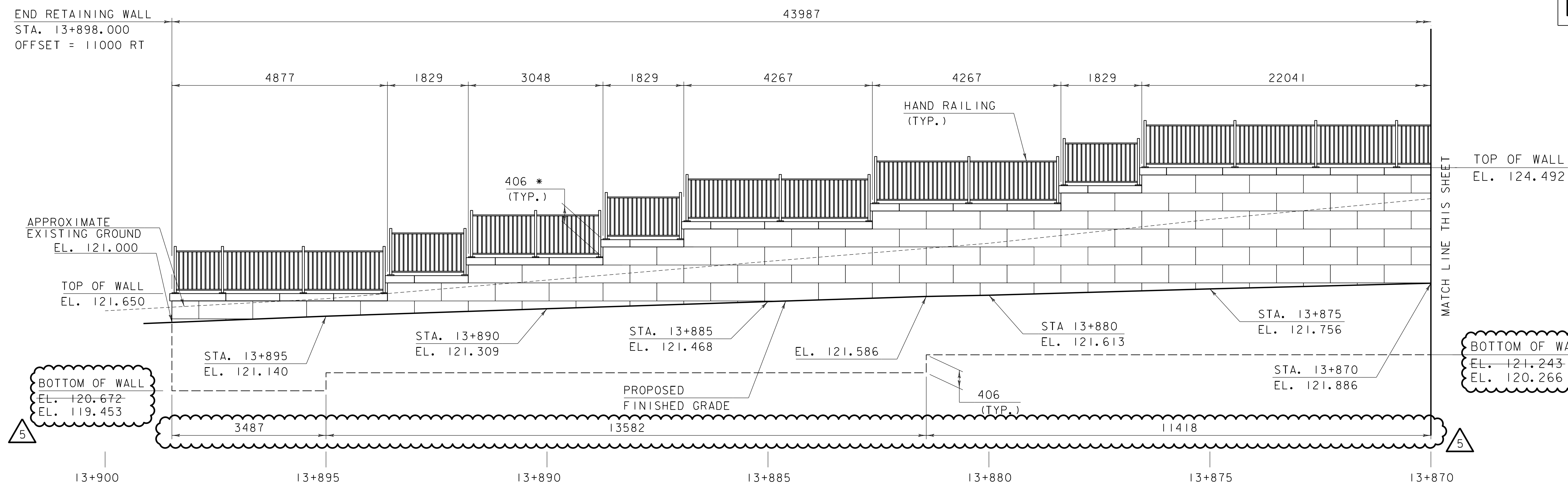
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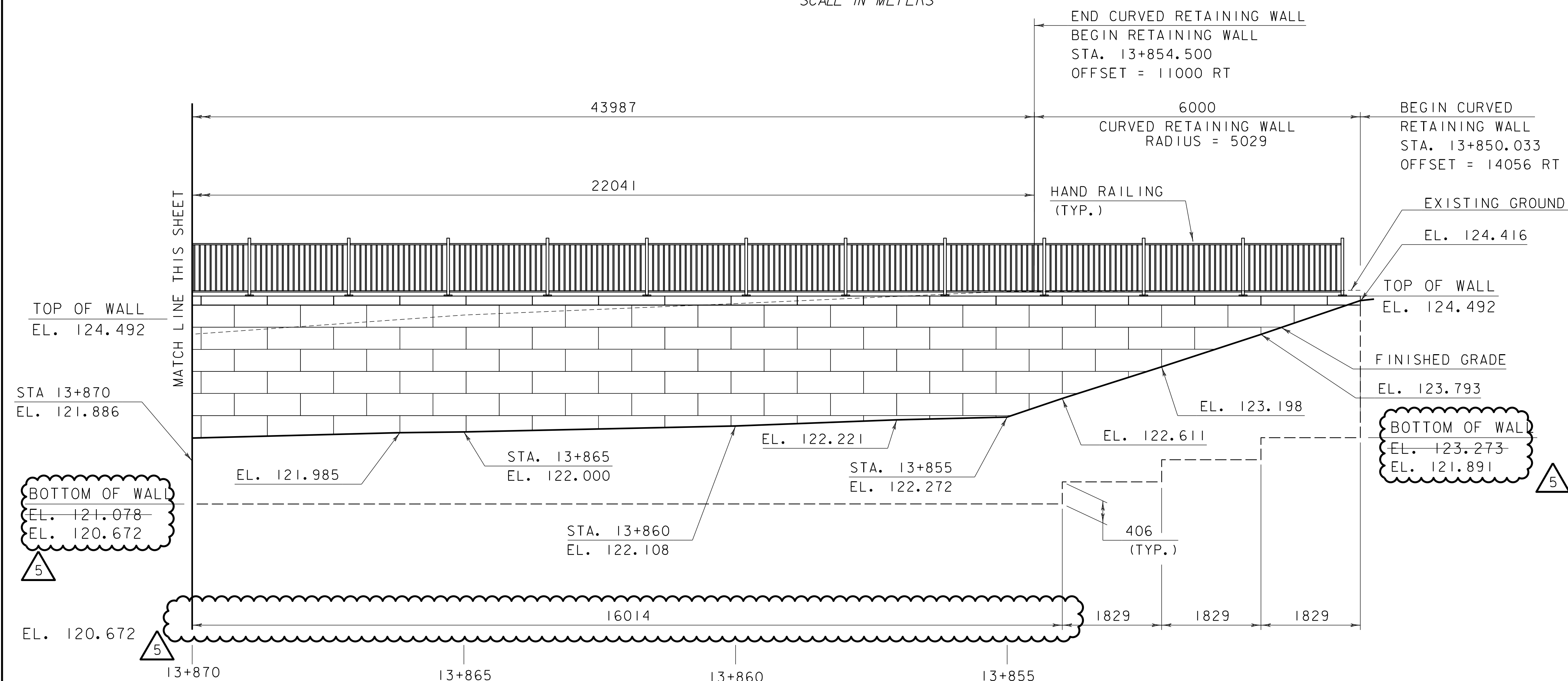
VTrans Mission and Vision

Through excellent customer service, provide for the safe and efficient movement of people and goods.
A safe, reliable, and multimodal transportation system that grows the economy, is affordable to use and operate, and serves vulnerable populations.





RETAINING WALL ELEVATION



RETAINING WALL ELEVATION

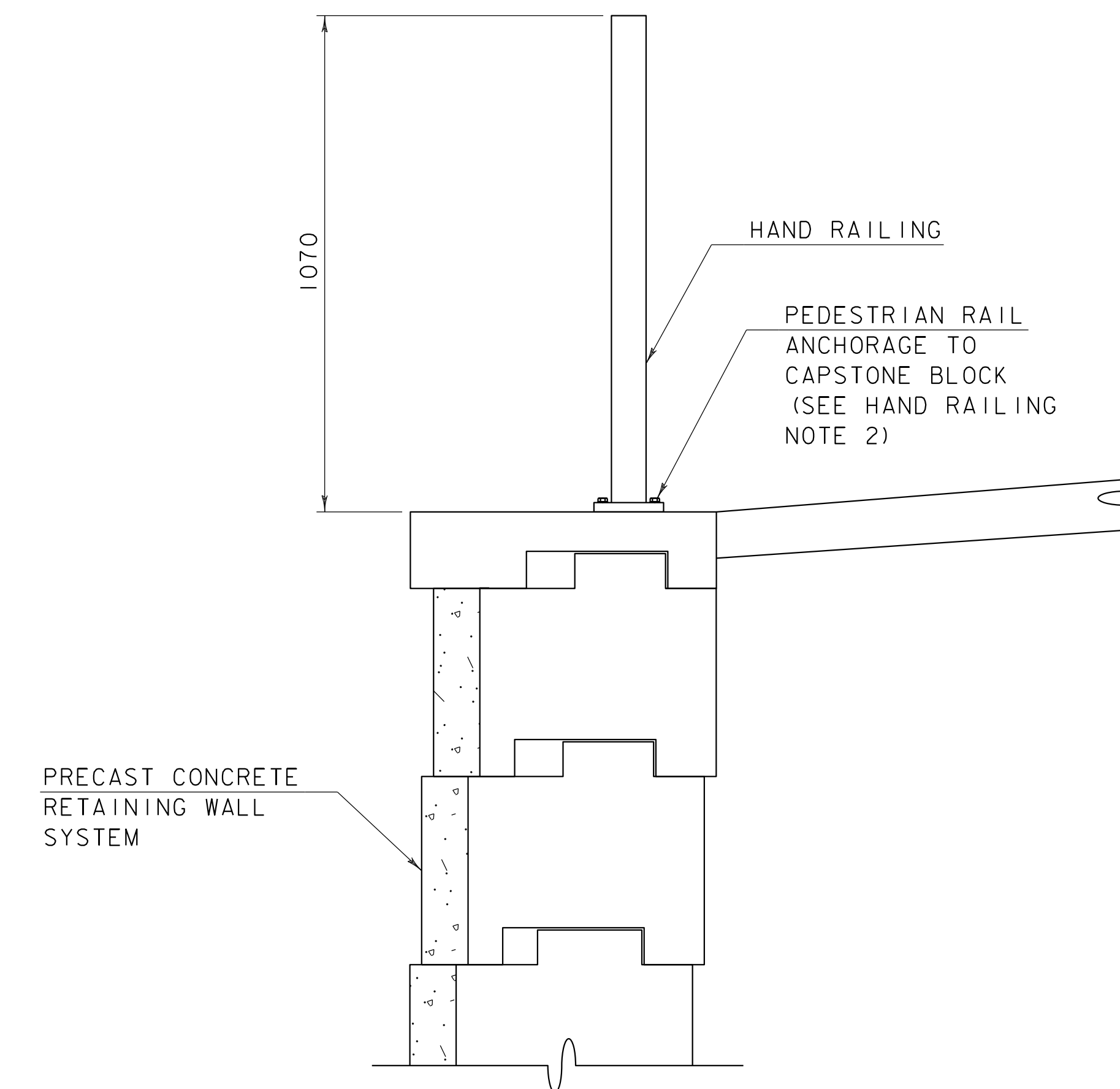
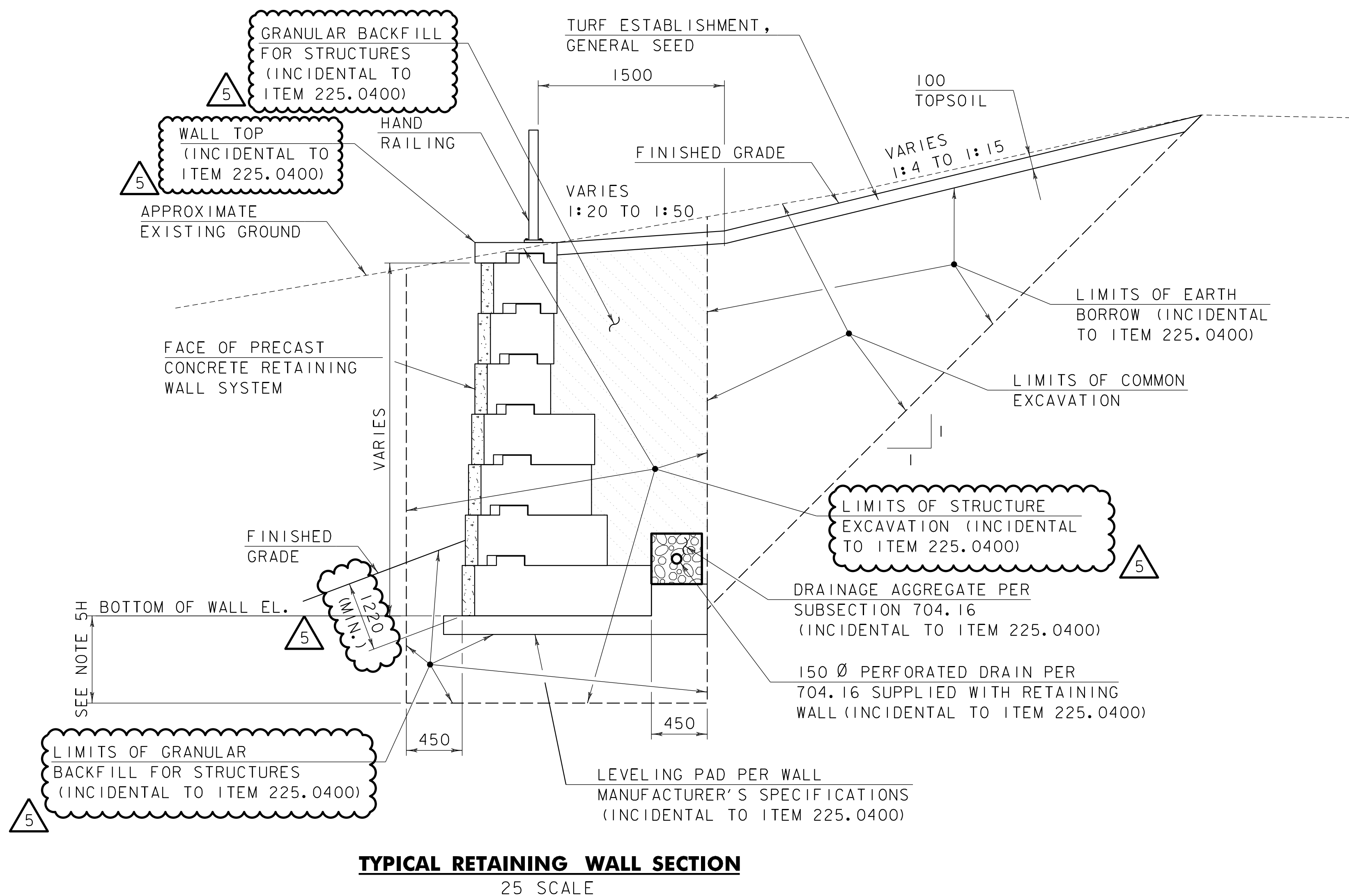


ADDENDUM	REVISION	DATE	DESCRIPTION	BY
5	1	4-14-26	RETAINING WALL REVISIONS	SRB

PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: z02bi98_wall-Retaining Wall.dgn PLOT DATE: 4/14/2026
PROJECT LEADER: P. SHEDD DRAWN BY: M. SMITH
DESIGNED BY: R. TRUDEAU CHECKED BY: S. BEAUMONT
RETAINING WALL ELEVATION SHEET 12 OF 529





TYPICAL HAND RAILING SECTION
10 SCALE

RETAINING WALL NOTES:

1. THE LUMP SUM COST FOR ITEM 225.0400, "RETAINING WALL, PRECAST CONCRETE" SHALL INCLUDE THE DESIGN, FABRICATION, DELIVERY, HANDLING, REPAIR, STRUCTURE EXCAVATION, GRANULAR BACKFILL FOR STRUCTURES, AND CONSTRUCTION OF ALL RETAINING WALL ELEMENTS.
2. THE RETAINING WALL LAYOUT AND DIMENSIONS WERE DETERMINED USING ASSUMED DIMENSIONS AS SPECIFIED IN THE PLANS. THE CONTRACTOR MAY SELECT ANY RETAINING WALL SYSTEM FROM THE VTRANS APPROVED PRODUCTS LIST PROVIDED THE LINE AND GRADE OF THE WALL SYSTEM ARE CONSISTENT WITH THE RETAINING WALL LAYOUT, ELEVATION, AND CROSS SECTIONS.
3. THE RETAINING WALL SHALL BE A DARK NATURAL BROWN COLOR. THE CONTRACTOR SHALL PROVIDE COLOR SAMPLES TO VTRANS FOR APPROVAL.
4. THE RETAINING WALL SYSTEM SHALL PROVIDE THE MINIMUM REQUIRED SETBACK/BATTER AT THE FRONT FACE AS REQUIRED BY THE WALL MANUFACTURER.
5. SOIL PROPERTIES AND DESIGN PARAMETERS ARE AS INDICATED BELOW:
 - A. DESIGN CODE: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
 - B. DESIGN LIVE LOAD = HL-93
 - C. PRECAST CONCRETE COMPRESSIVE STRENGTH: $f'c = 5,000$ PSI
 - D. CAST-IN-PLACE CONCRETE COMPRESSIVE STRENGTH: $f'c = 3,500$ PSI
 - E. REINFORCING STEEL, LEVEL 1: $f_y = 60,000$ PSI
 - F. GRANULAR BACKFILL FOR STRUCTURES SOIL PROPERTIES:
 - SOIL UNIT WEIGHT = 140 PCF
 - INTERNAL SOIL FRICTION ANGLE = 34 DEG
 - ACTIVE EARTH PRESSURE COEFFICIENT: $k_a = 0.28$
 - AT-REST EARTH PRESSURE COEFFICIENT: $k_o = 0.44$
 - G. THE ALLOWABLE BEARING PRESSURE TO LIMIT SETTLEMENT TO LESS THAN 25 mm, IS 375 kN/m².
 - H. OVER-EXCAVATION BELOW THE BOTTOM OF FOOTING IS REQUIRED AND SHALL BE REPLACED WITH GRANULAR BACKFILL FOR STRUCTURES.
 - MINIMUM DEPTH OF OVER-EXCAVATION FOR WALL SYSTEMS WITH CONCRETE OR CRUSHED STONE LEVELING PADS - 610
 - MINIMUM DEPTH OF OVER-EXCAVATION FOR WALLS WITH CONCRETE SPREAD FOOTINGS - 305
 - I. THE EFFECTIVE FOOTING WIDTH SHALL BE LIMITED TO 1574 TO MINIMIZE SETTLEMENT.
 - J. REQUIRED DESIGN LIFE = 75 YEARS
6. QUANTITIES SHOWN FOR STRUCTURAL EARTHWORK ARE BASED ON THE ASSUMED RETAINING WALL SYSTEM SHOWN AND SHALL NOT BE UTILIZED BY THE FABRICATOR AS REQUIRED DIMENSIONS FOR THE WALL. IF ACTUAL STRUCTURAL EARTHWORK QUANTITIES VARY FROM WHAT IS SHOWN ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
5	1	4-14-26	RETAINING WALL REVISIONS	SRB

HAND RAILING NOTES:

1. PAYMENT FOR ITEM 620.9000, "HAND RAILING" SHALL INCLUDE ALL ELEMENTS OF THE PEDESTRIAN HAND RAILING INCLUDING, BUT NOT LIMITED TO, POSTS, RAILING, PICKETS, CONNECTIONS, AND HARDWARE.
2. THE DESIGN AND DETAILING OF THE HAND RAILING ELEMENTS, INCLUDING POST LAYOUT AND CONNECTION TO PRECAST CONCRETE RETAINING WALL, SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE HAND RAILING SHALL MEET AASHTO GEOMETRY REQUIREMENTS AND SHALL BE DESIGNED TO ACCOMMODATE A PEDESTRIAN LIVE LOAD IN ACCORDANCE WITH THE CURRENT AASHTO AND VTRANS STANDARDS USING LOAD AND RESISTANCE FACTOR DESIGN (LRFD). THE MANUFACTURER SHALL PROVIDE STAMPED DESIGN CALCULATIONS PREPARED BY A REGISTERED VERMONT PROFESSIONAL ENGINEER. ALL COSTS WILL BE CONSIDERED INCIDENTAL TO ITEM 620.9000, "HAND RAILING".
3. THE HAND RAILING SHALL BE FLAT BLACK, ANODIZED.

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PROJECT LEADER: P. SHEDD DRAWN BY: M. SMITH
DESIGNED BY: R. TRUDEAU CHECKED BY: S. BEAUMONT
RETAINING WALL TYPICAL SECTIONS SHEET 13 OF 529

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
1011 - ROADWAY	1031 - TRAINING	1041 - LANDSCAPING	1051 - EROSION CONTROL	1211 - BRIDGE NO. 1	1221 - BRIDGE NO. 2	1231 - BRIDGE NO. 3	1999 - FULL C.E. ITEMS	2011 - ROADWAY		GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
1										1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.1000	-			MATERIAL TRANSFER VEHICLE
0.025										0.025		ACRE	THINNING AND TRIMMING	201.3000	-			16403 TON TYPE IS, QA TIER I
74200										74200		CY	COMMON EXCAVATION	203.1500	86			9400 TON TYPE IIS, QA TIER I
7900										7900		CY	SOLID ROCK EXCAVATION	203.1600	81			25803 TON SUBTOTAL
				190						190		CY	UNCLASSIFIED EXCAVATION	203.1700	5			147 TON ROUNDING
				330	55	35				420		CY	UNCLASSIFIED CHANNEL EXCAVATION	203.2700	10			25950 TON TOTAL
3250				835	55	40				4180		CY	EARTH BORROW	203.3000	53			
30500										30500		CY	SAND BORROW	203.3100	210			
5000 5350								150		5450 5500		CY	TRENCH EXCAVATION OF EARTH	204.2000	-50 -74			
-13 60										-13 60		CY	TRENCH EXCAVATION OF ROCK	204.2100	-8 8			
1										1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.2200	EST.			
450 40				1475	245	145				2015 1905		CY	STRUCTURE EXCAVATION	204.2500	-7 3			
675 450				645	360	245		40		4065 1740		CY	GRANULAR BACKFILL FOR STRUCTURES	204.3000	-37 15			
425										425		SY	COARSE-MILLING, BITUMINOUS PAVEMENT	210.1000	22			
1										1		LS	RETAINING WALL, PRECAST CONCRETE	225.0400	-			
1										1		LS	TEMPORARY ROADWAY WIDENING	240.0100002	-			
					1					1		LS	TEMPORARY TRAFFIC DIVERSION (BR 111)	240.0100003	-			
										1		LS	TEMPORARY TRAFFIC DIVERSION (BR 110)	240.0100003	-			
-5 1800								250		255 2050		CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.2600	-11 62			
37750										37750		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.3500	332			
270								65		335		CY	AGGREGATE SURFACE COURSE	401.1000	16			
975										975		TON	AGGREGATE SHOULDERS, RAP	402.1300	10			
600										600		CWT	TACK COAT, EMULSIFIED ASPHALT	404.1100	16			
17100										17100		TON	BITUMINOUS CONCRETE PAVEMENT, TYPE IS, QA TIER I	406.0110	81			
9800										9800		TON	BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER I	406.0310	48			
195										195		TON	BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER III	406.0430	10			
340								20		360		SY	BITUMINOUS CONCRETE PAVEMENT, NON-PAVER PLACED, TYPE IVS	406.3400	10			
1										1		DL	PAY ADJUSTMENT, BCP, MIXTURE PROPERTIES (N.A.B.I.)	406.9100	-			
1										1		DL	PAY ADJUSTMENT, BCP, MAT DENSITY (N.A.B.I.)	406.9200	-			
1										1		DL	PAY ADJUSTMENT, BCP, LONGITUDINAL JOINT DENSITY (N.A.B.I.)	406.9300	-			
1										1		DL	PAY ADJUSTMENT, BCP, PAVEMENT ROUGHNESS (N.A.B.I.)	406.9400	-			
26950										26950		TON	MATERIAL TRANSFER VEHICLE	410.1000	179			
1105										1075 405		LB	REINFORCING STEEL, LEVEL I (BLACK)	507.1100	-2 5			
										40 40		FT	DRILLING AND GROUTING DOWELS	507.1600	4			
				5	4					12 12		GAL	WATER REPELLENT, SILANE	514.1000	3			
										1		EACH	PARTIAL REMOVAL OF STRUCTURE (BR 112)	529.2000	-			
										1		EACH	PARTIAL REMOVAL OF STRUCTURE (BR 111)	529.2000	-			
				1						1		EACH	PARTIAL REMOVAL OF STRUCTURE (BR 110)	529.2000	-			
										1		LS	PRECAST CONCRETE STRUCTURE (BR 112) (1220 X 1525 X 11380 OUTLET EXTENSION)	540.1000	-			
										1		LS	PRECAST CONCRETE STRUCTURE (BR 111) (1220 X 1525 X 10335 OUTLET EXTENSION)	540.1000	-			
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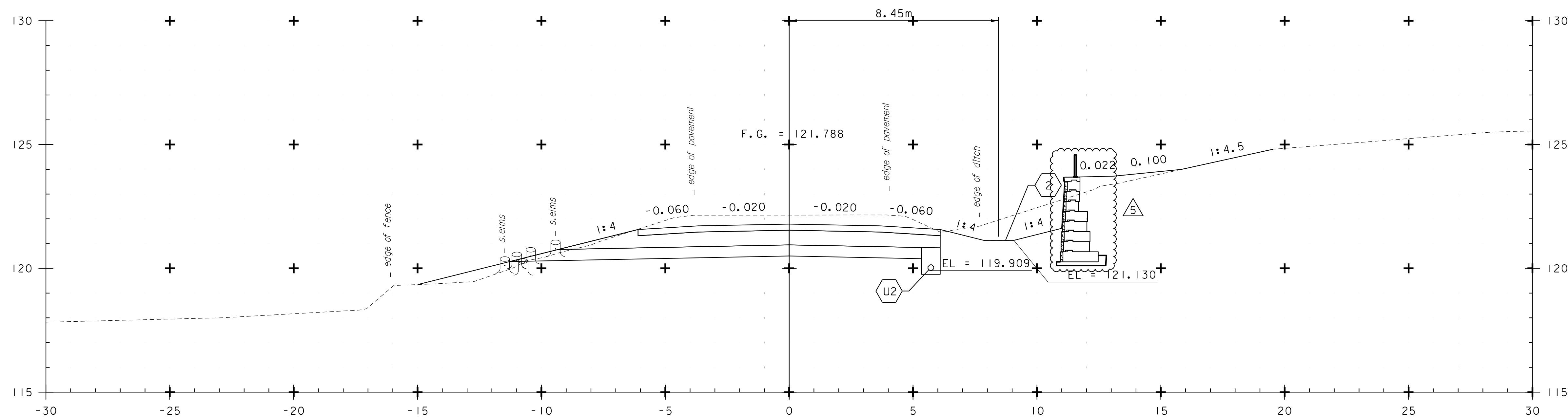
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3	1	4-2-26	REVISED ITEM 301.26 SUBBASE OF CRUSHED GRAVEL, FINE GRADED	SNG
4	2	4-10-26	REVISED ITEM 204.2000 TRENCH EXCAVATION OF EARTH; REVISED ITEM 204.2100 TRENCH EXCAVATION OF ROCK; REVISED ITEM 507.1100 REINFORCING STEEL, LEVEL I (BLACK); ADDED ITEM 507.1600 DRILLING AND GROUTING DOWELS	SRB/SNG
5	3	4-14-26	REVISED ITEM 204.2500 STRUCTURE EXCAVATION; REVISED ITEM 204.3000 GRANULAR BACKFILL FOR STRUCTURES	SRB/MWS



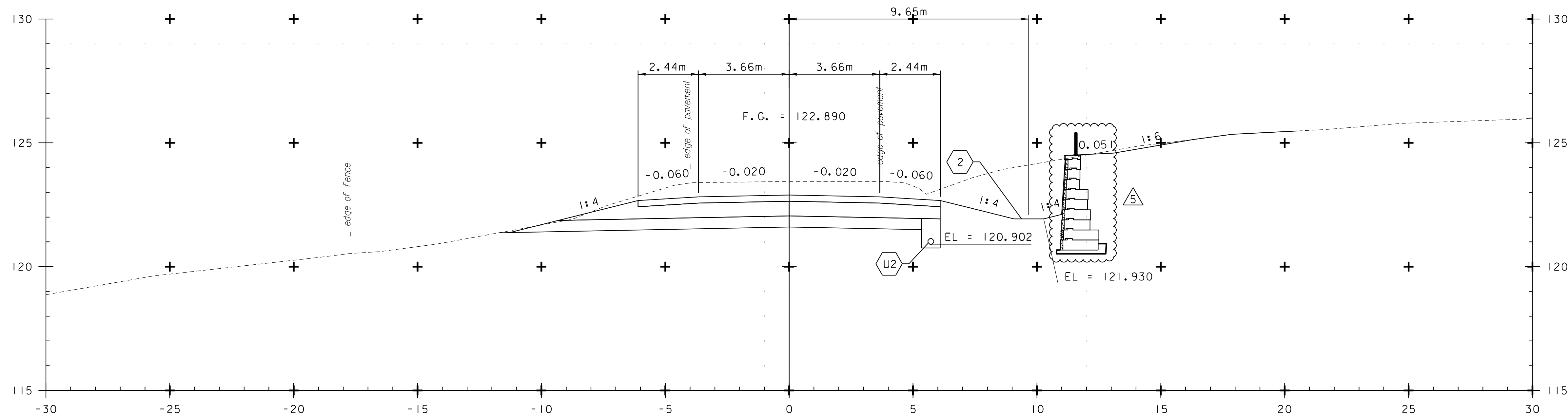
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PROJECT NUMBER: NH 019-3(494)

FILE NAME: d02b198_frm.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: M. HALEY
QUANTITY SHEET 1

PLOT DATE: 4/14/2026
DRAWN BY: N. LEMAY
CHECKED BY: P. SHEDD
SHEET 30 OF 529



13+880.00



13+860.00

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
	1	4-14-26	RETAINING WALL REVISIONS	SRB

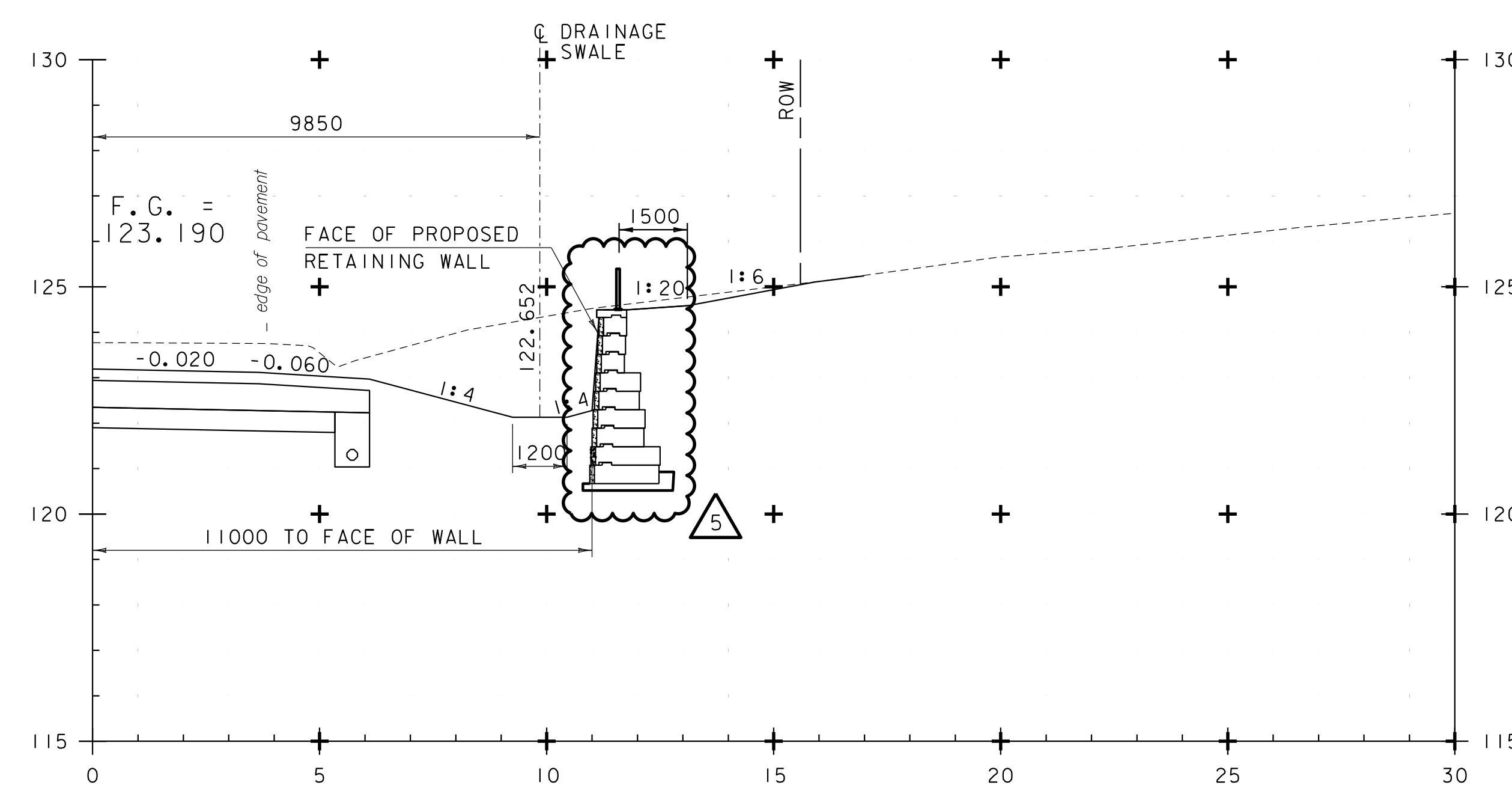


STA. 13+860 TO STA. 13+880

PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: d02bi98_xs.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 9

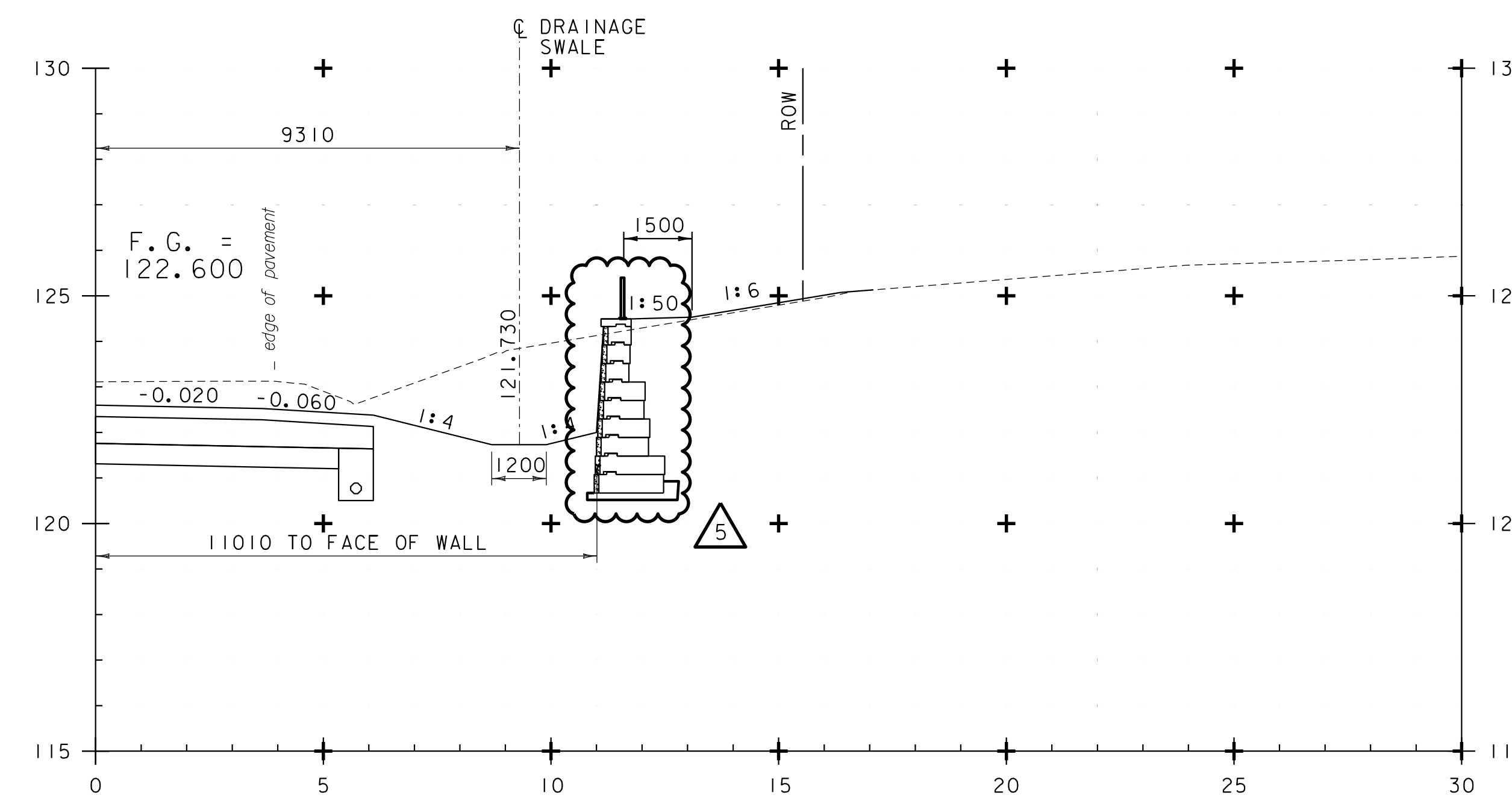
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CHECKED BY: SQUAD B
SHEET 285 OF 529



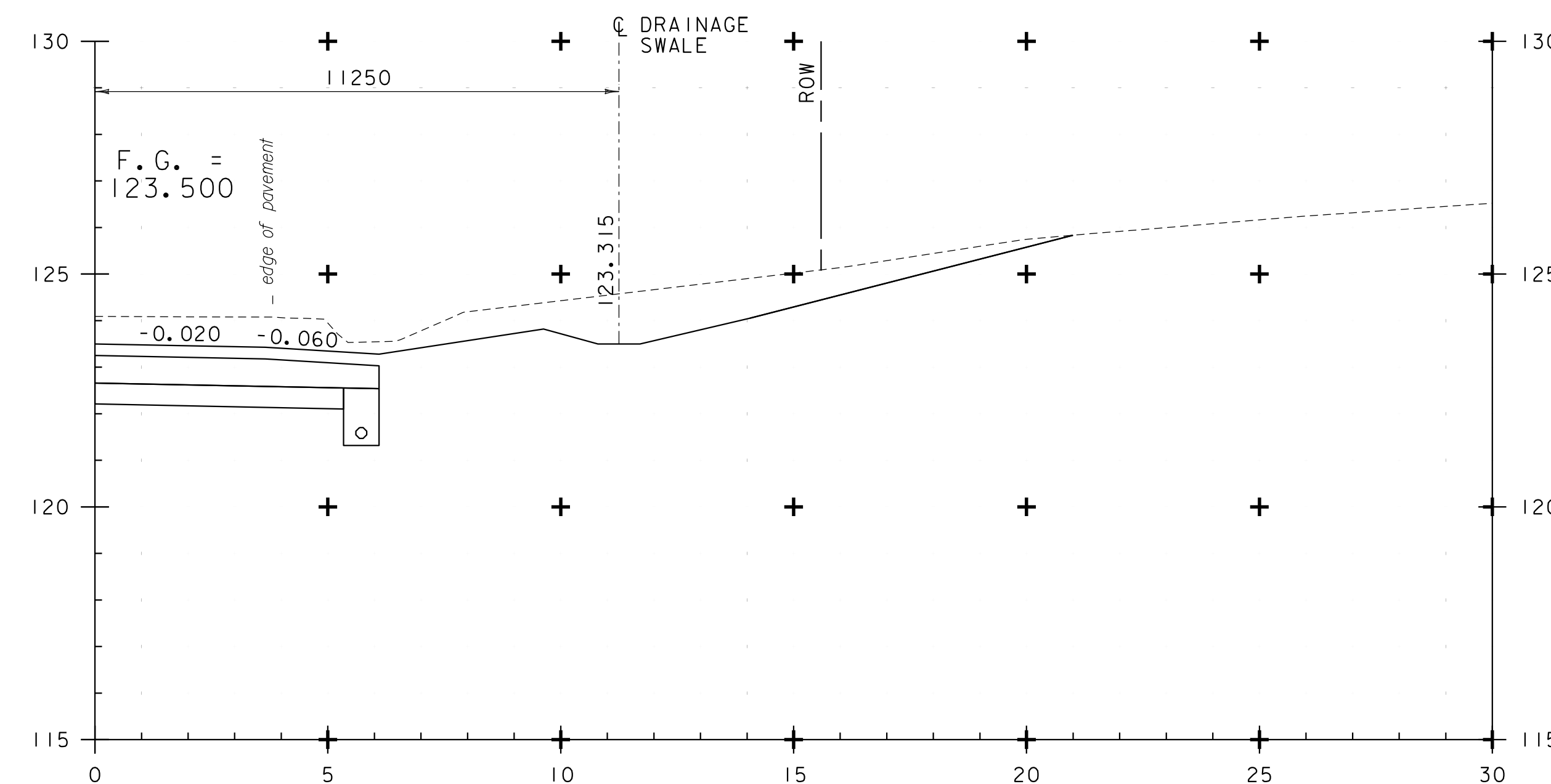
STA. 13+854.50 RT
END CURVED RETAINING WALL

STA. 13+854.50 RT
BEGIN RETAINING WALL

13+855.00

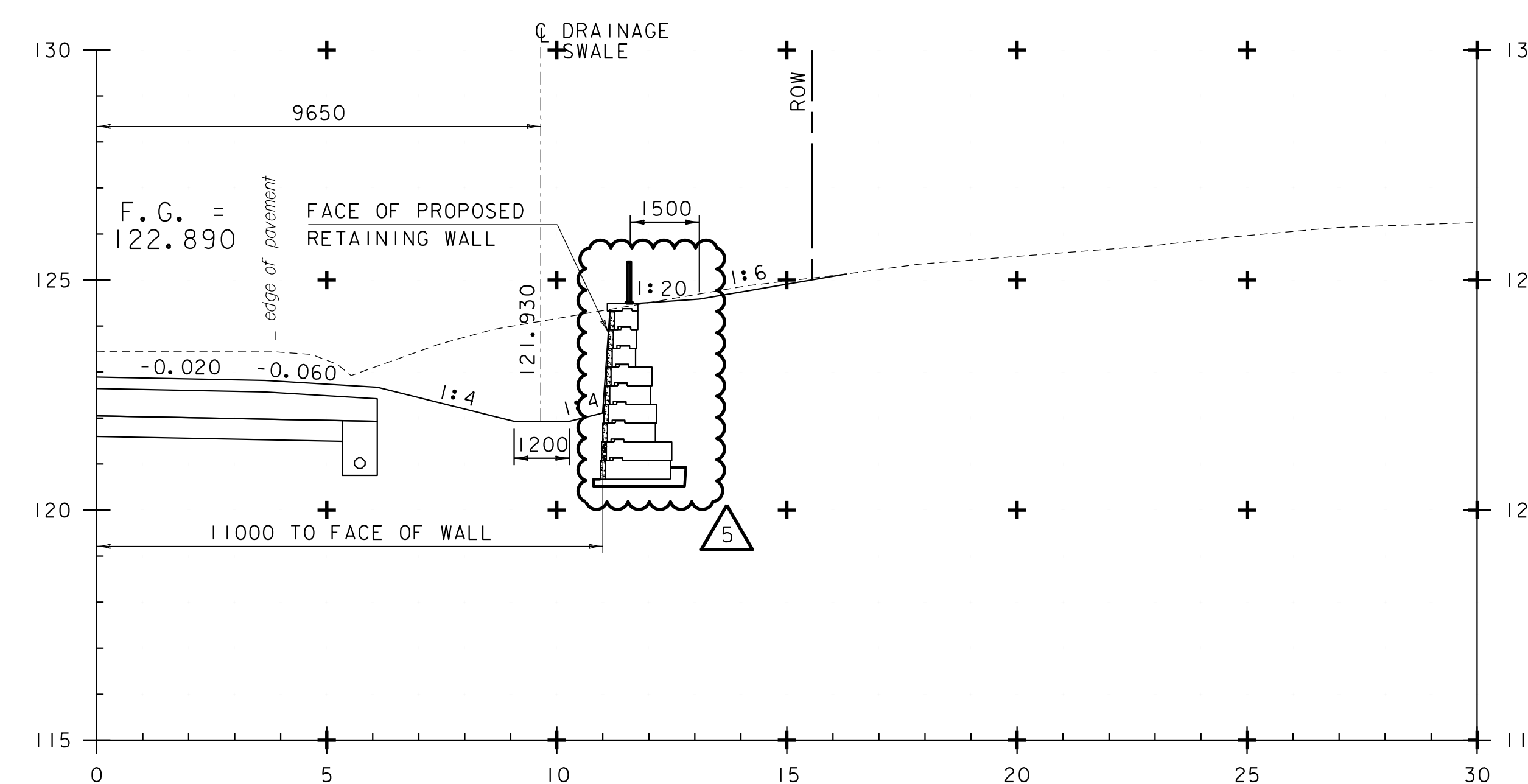


13+865.00



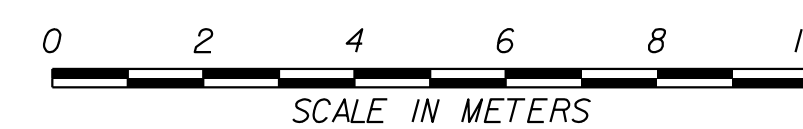
STA. 13+850.03 RT
BEGIN CURVED RETAINING WALL

13+850.03



13+860.00

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
△5	1	4-14-26	RETAINING WALL REVISIONS	SRB



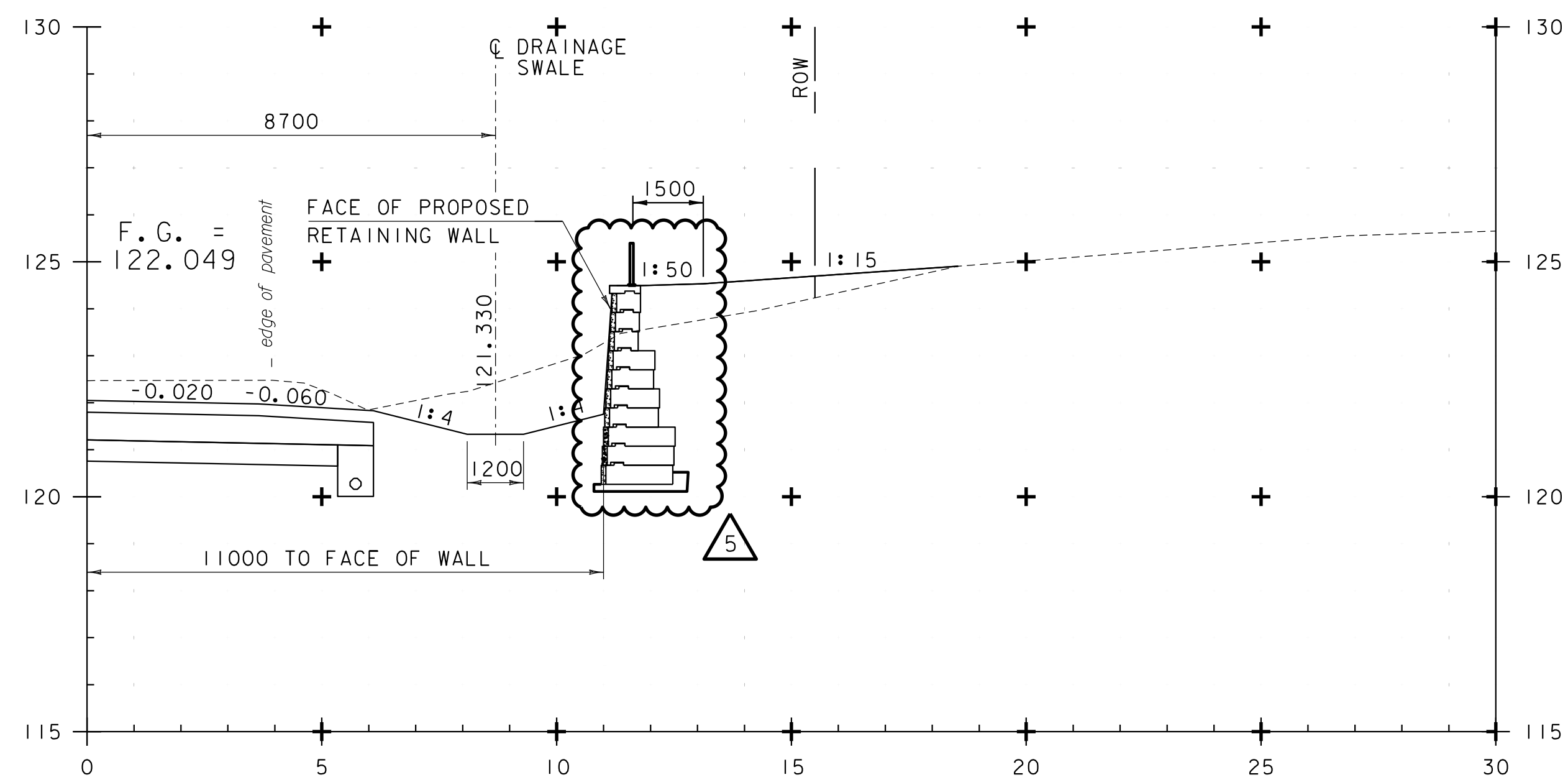
STA. 13+850.03 TO STA. 13+865.00



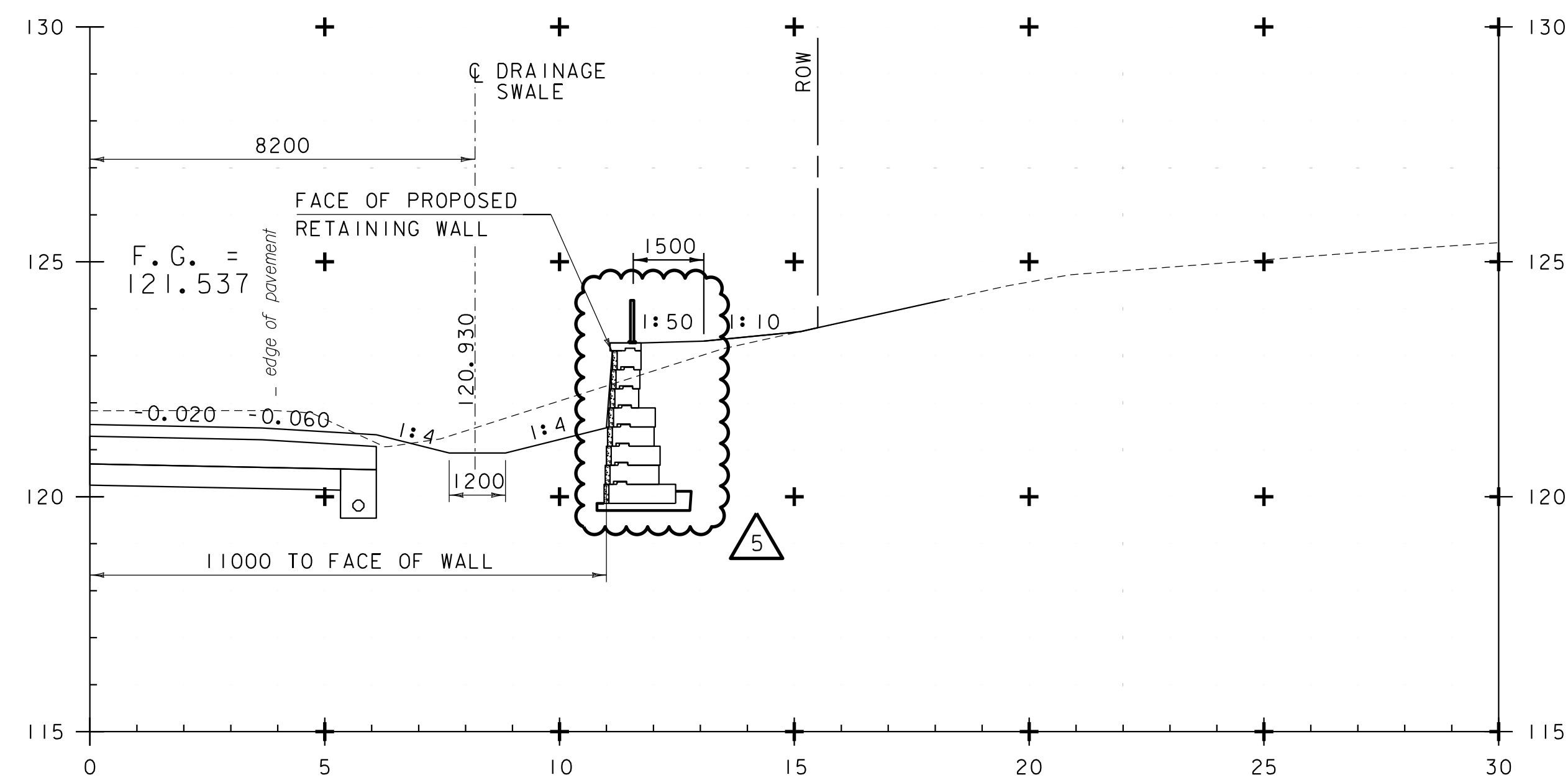
FUSS & O'NEILL

PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

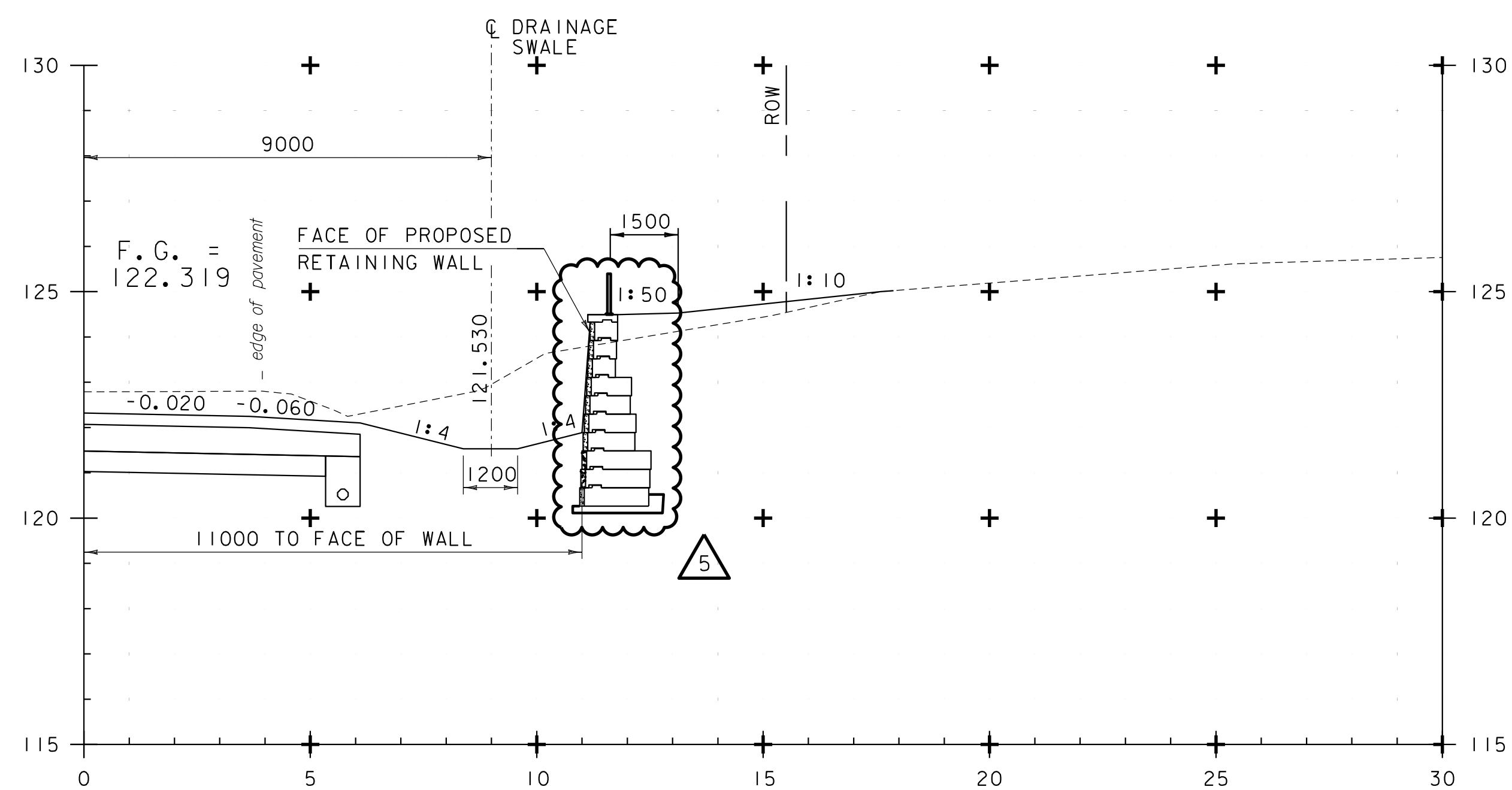
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PROJECT LEADER: P. SHEDD DRAWN BY: M. SMITH
DESIGNED BY: R. TRUDEAU CHECKED BY: S. BEAUMONT
RETAINING WALL CROSS SECTION SHEET 1 SHEET 415 OF 529



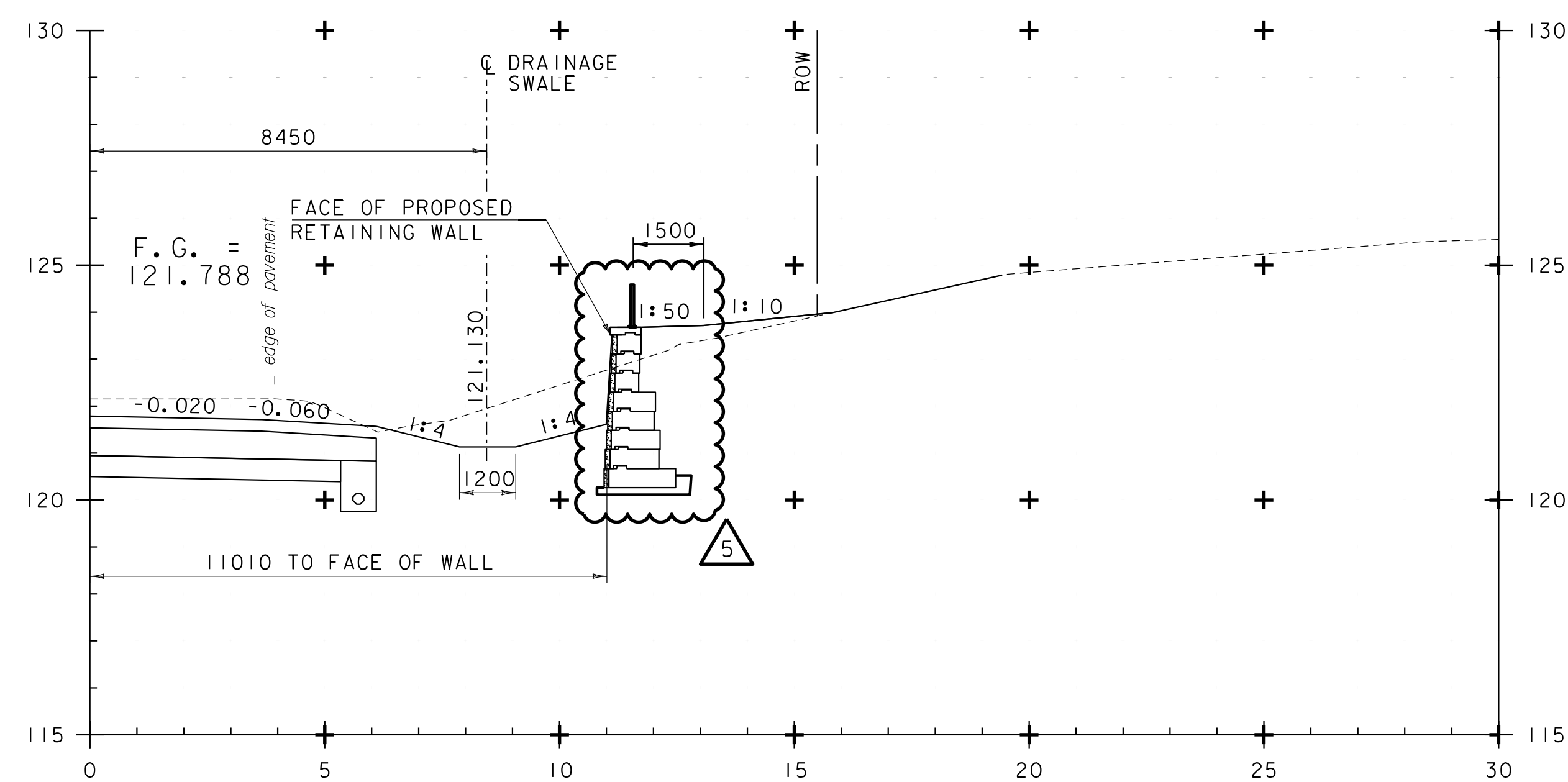
13+875.00



13+885.00



13+870.00



13+880.00

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
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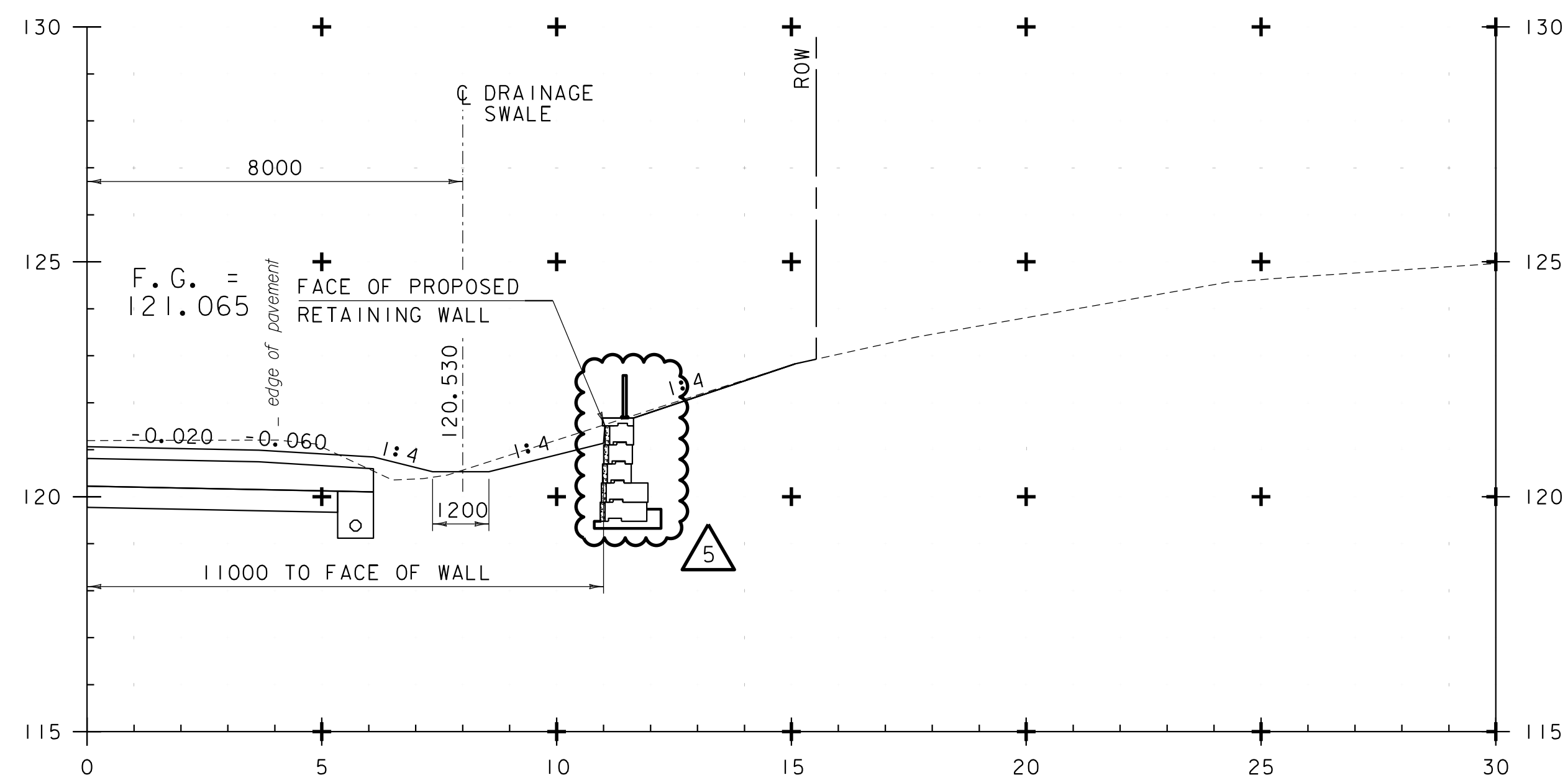


STA. 13+870.00 TO STA. 13+885.00

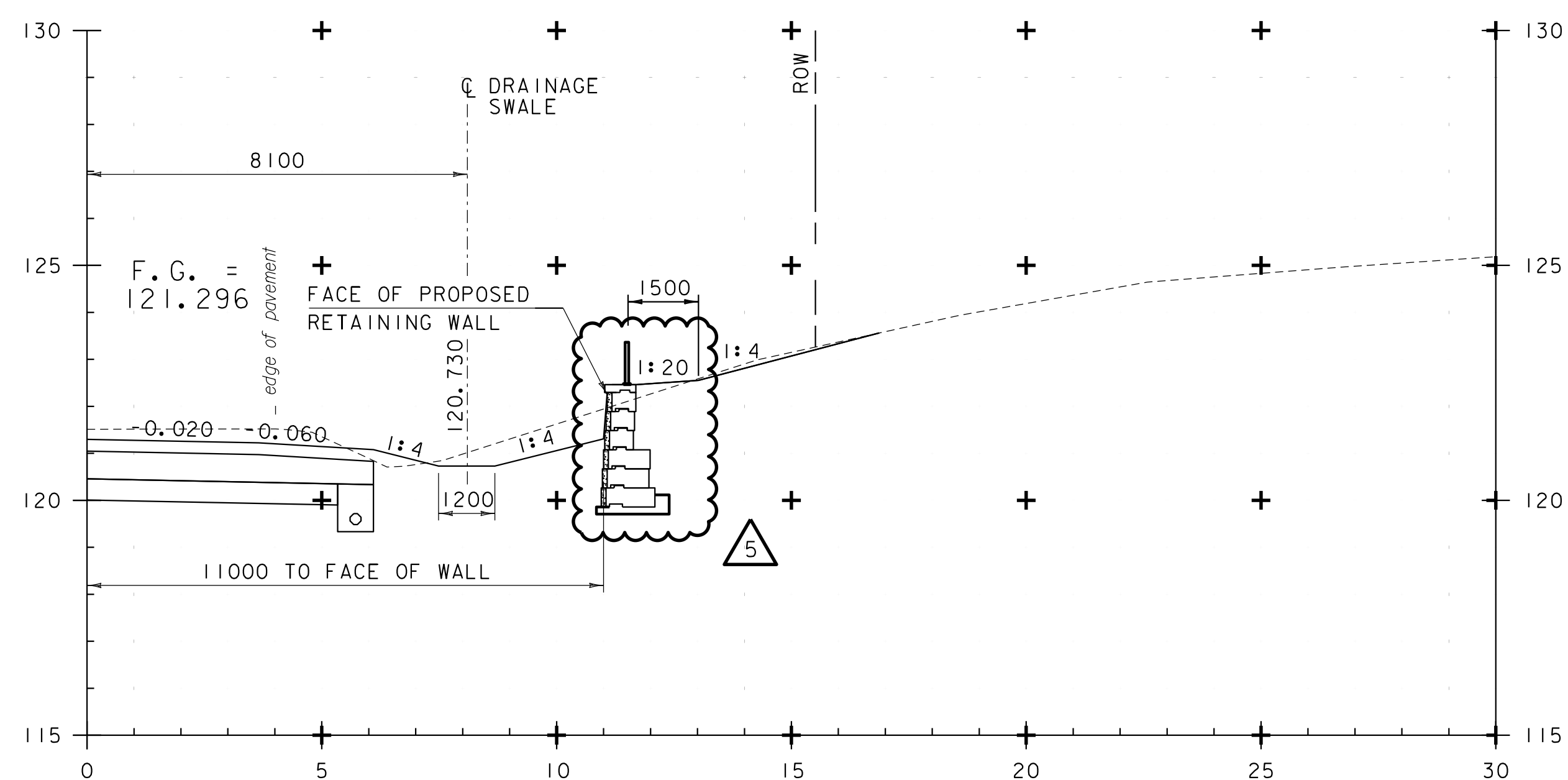


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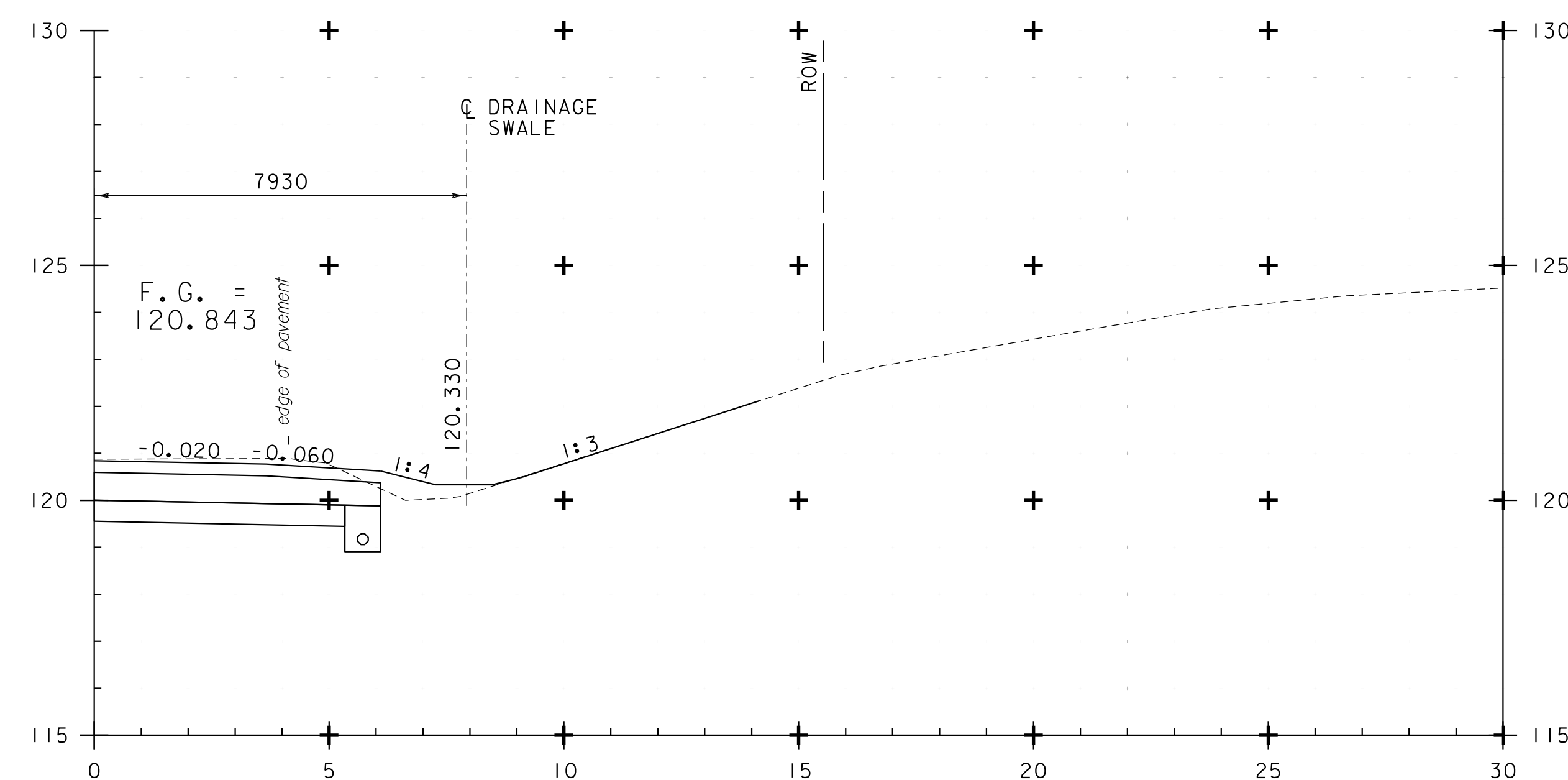
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PROJECT LEADER: P. SHEDD DRAWN BY: M. SMITH
DESIGNED BY: R. TRUDEAU CHECKED BY: S. BEAUMONT
RETAINING WALL CROSS SECTION SHEET 2 SHEET 416 OF 529



13+895.00



13+890.00



STA. 13+898.00 RT
END RETAINING WALL

13+900.00

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
△5	1	4-14-26	RETAINING WALL REVISIONS	SRB



STA. 13+890.00 TO STA. 13+900.00



FUSS & O'NEILL

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FILE NAME: z02bi98_xs-Retaining Wall.dgn PLOT DATE: 4/14/2026
PROJECT LEADER: P. SHEDD DRAWN BY: M. SMITH
DESIGNED BY: R. TRUDEAU CHECKED BY: S. BEAUMONT
RETAINING WALL CROSS SECTION SHEET 3 SHEET 417 OF 529