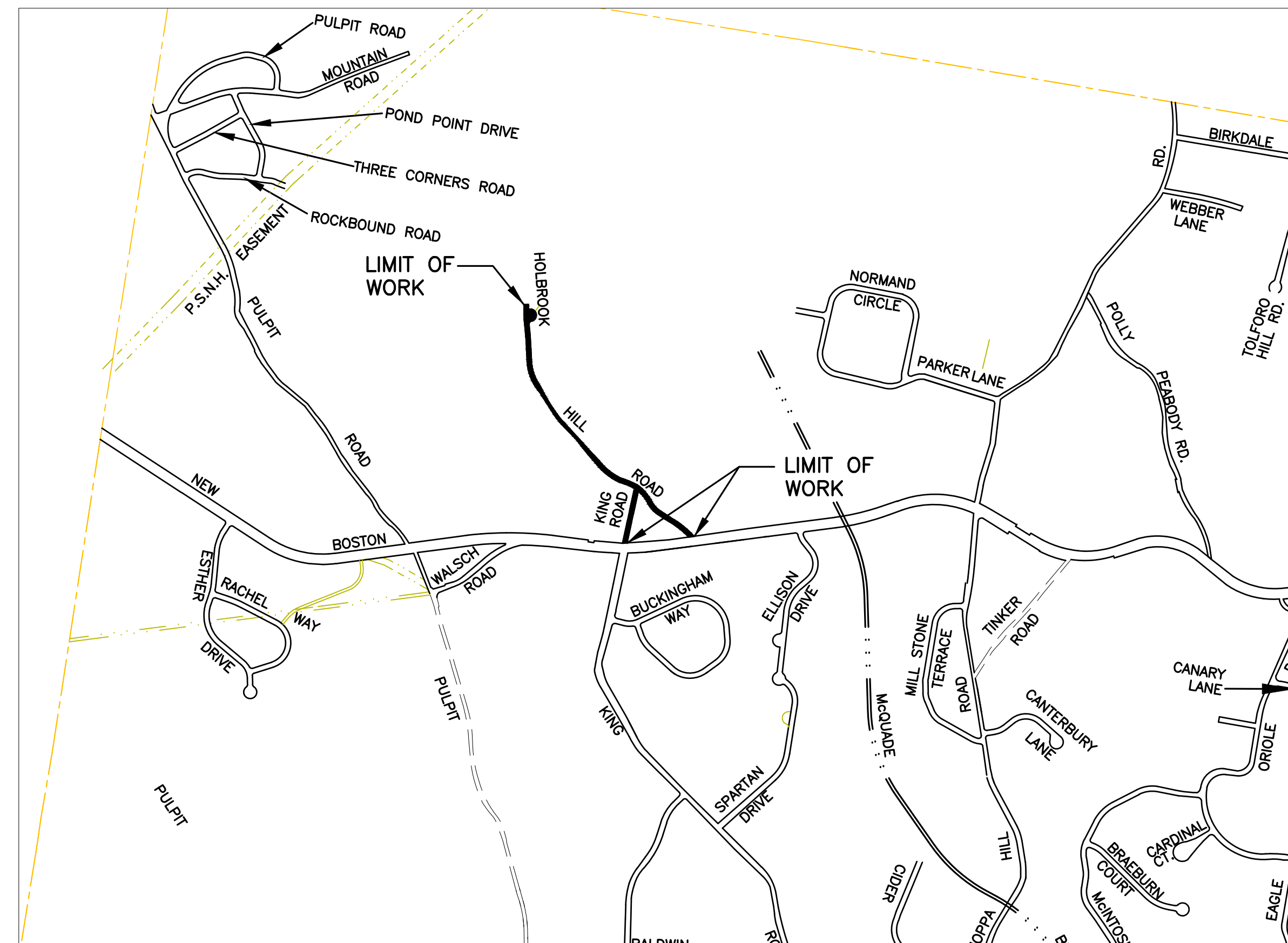


ROADWAY RECONSTRUCTION PLANS

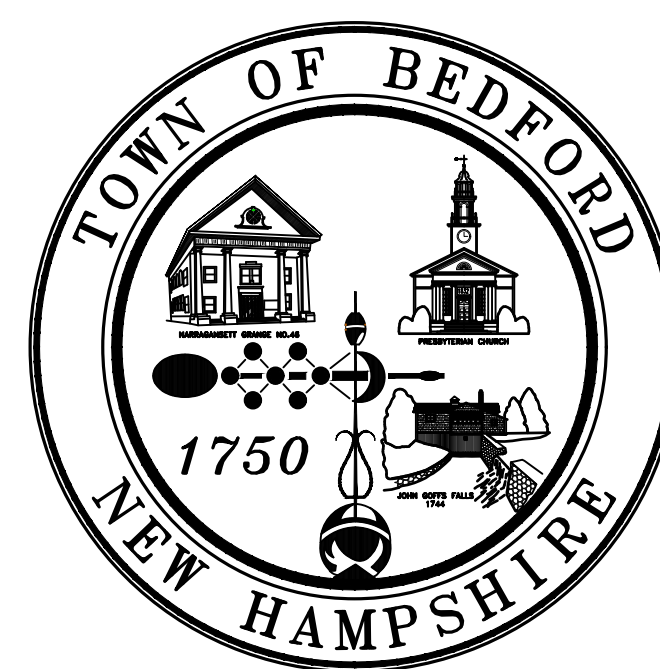
HOLBROOK HILL ROAD

BEDFORD, NEW HAMPSHIRE

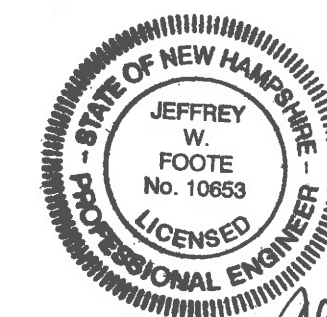


<u>SHEET NO.</u>	<u>DESCRIPTION</u>
	TITLE SHEET
1 - 5	PLAN AND PROFILES
6	DRAINAGE NOTES
7	TYPICAL SECTIONS
8	ROADWAY DETAILS
9 - 10	DRAINAGE DETAILS
11	EROSION CONTROL DETAILS
12	EROSION CONTROL NOTES
13- 23	CROSS SECTIONS

BEDFORD PUBLIC WORKS
55 CONSTITUTION DRIVE
BEDFORD, NH 03110



AUGUST 8, 2023



Jeffrey W. Foote
8-8-23

PLAN SET NO. _____

GENERAL CONSTRUCTION NOTES

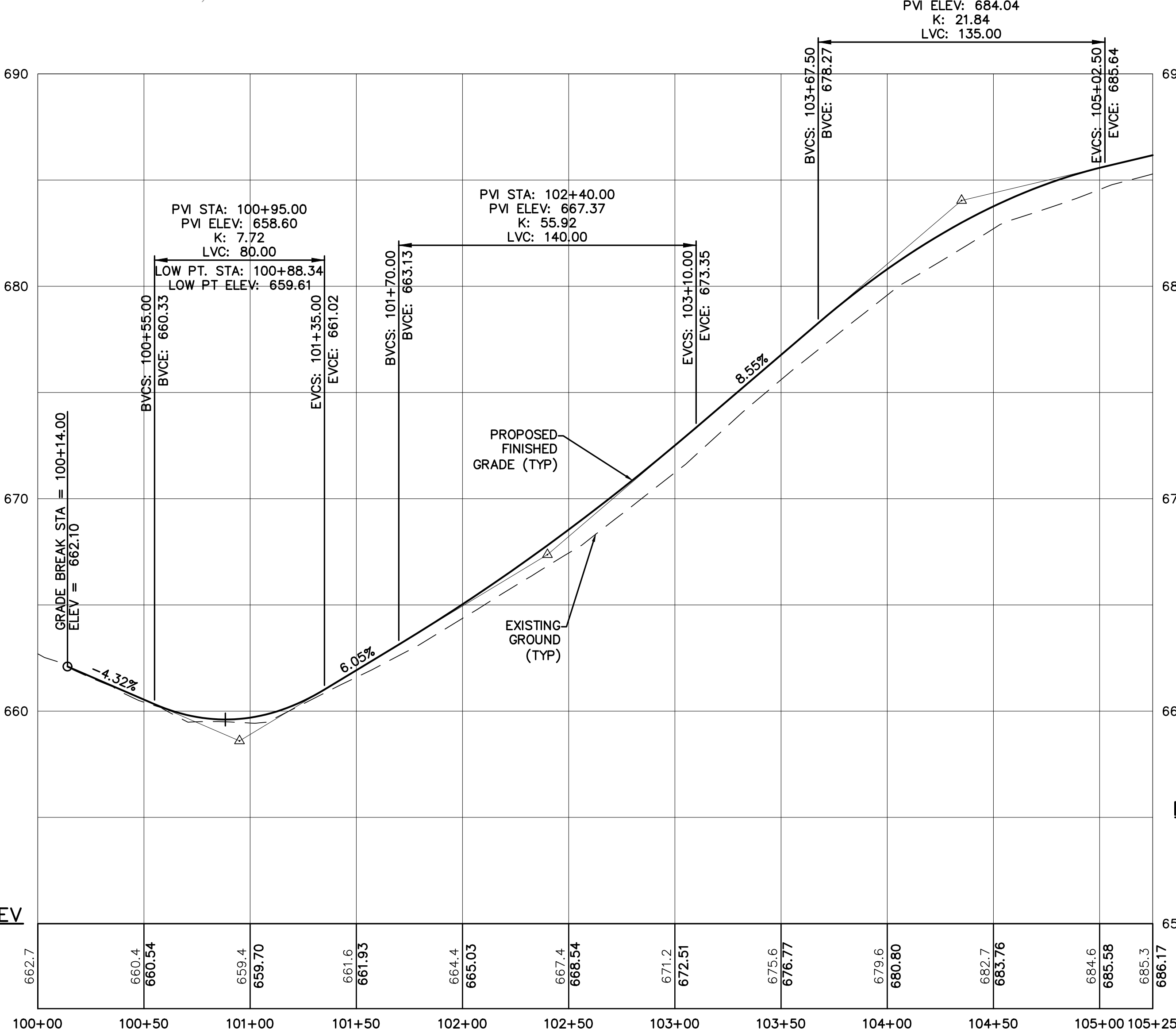
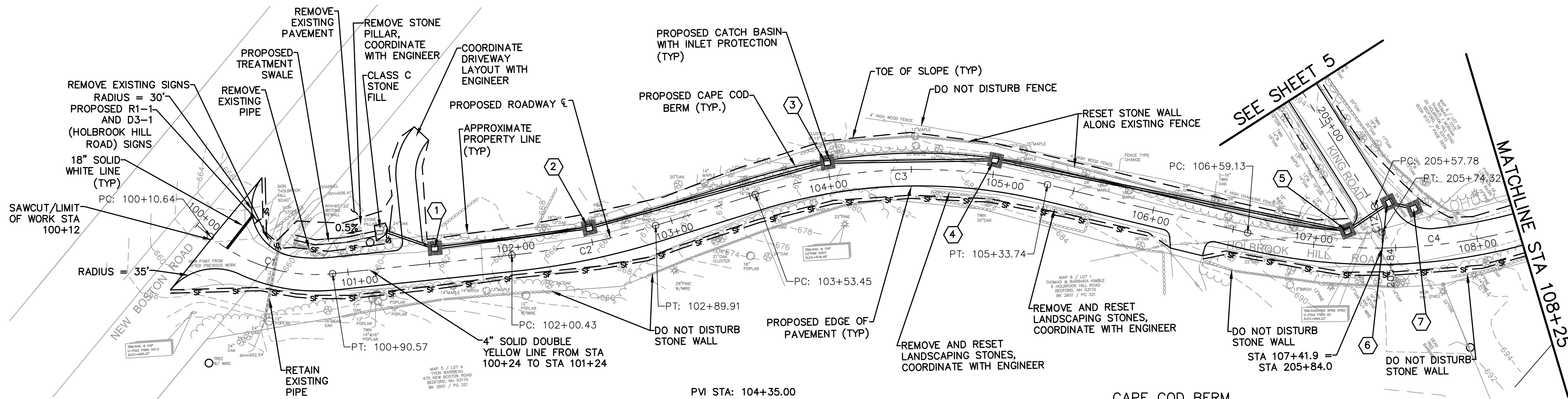
- THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED 2016 AND "CONTRACT SPECIFICATIONS OF BEDFORD, NH - DEPARTMENT OF PUBLIC WORKS" OF WHICH THESE PLANS ARE A PART. IN THE EVENT ANY DISCREPANCIES EXIST BETWEEN THESE PLANS AND WRITTEN PORTIONS OF THE CONTRACT SPECIFICATIONS, THE CONTENT OF THE WRITTEN SPECIFICATIONS SHALL PREVAIL.
- ALL WORK SHALL BE COMPLETED WITHIN THE RIGHT-OF-WAY UNLESS SPECIFIED BY THE PLANS OR THE TOWN ENGINEER. ANY WORK REQUIRED ON PRIVATE PROPERTY SHALL BE COORDINATED WITH THE HOMEOWNER AND THE TOWN ENGINEER TO MINIMIZE INCONVENIENCE AND PROVIDE ACCESS TO THE HOMEOWNER. CONTRACTOR SHALL CONTACT TOWN OF BEDFORD, TOWN ENGINEER, FOR LIMITS OF ALL PROPOSED EASEMENTS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES PRIOR TO COMMENCEMENT OF THIS WORK.
- NO EXISTING MONUMENTS, BOUNDS OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
- UNSATURATED MATERIAL, ROOTS AND STUMPS WITHIN THE LIMITS OF ROADBED SHALL BE REMOVED AS ORDERED.
- DIMENSIONS, ANGLES, BEARINGS, AND ELEVATIONS SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM LIMITED FIELD INVESTIGATIONS AND SURVEY AND MAY NOT ACCURATELY REFLECT ACTUAL FIELD CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY PROJECT WORK. ANY DISCREPANCIES IN DIMENSIONS, CHARACTER OR EXTENT OF THE EXISTING FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ADVANCING THE WORK. SHOP DRAWINGS REQUIRED FOR VARIOUS ITEMS OF THE WORK SHALL INDICATE THE ACTUAL FIELD MEASUREMENTS AND SHALL BE SO NOTED.
- REMOVE TOPSOIL FOR ITS TOTAL DEPTH WITHIN THE LIMITS OF THE SLOPE LINES. UNLESS OTHERWISE DIRECTED, STOCKPILE TOPSOIL AND USE IT ON THIS PROJECT AS NEEDED UNDER SECTION 646.
- THE CONTRACTOR SHALL CONTACT DIGSAFE AT 811 A MINIMUM OF 72 HOURS PRIOR TO ANY EXCAVATION.
- SHOULD ANY ALTERING, ADJUSTING, OR RELOCATING OF UTILITIES BE REQUIRED, THIS WORK SHALL BE COMPLETED BY THE APPROPRIATE UTILITY COMPANY AND IS NOT PART OF THIS CONTRACT. HOWEVER, THE CONTRACTOR SHALL FACILITATE THE UTILITY COMPANY IN THEIR PERFORMANCE OF THIS WORK.
- ANY DITCHLINES THAT EXCEED 6 PERCENT IN GRADE SHALL BE LINED WITH RIP-RAP OR TURF REINFORCEMENT MATTING AS SPECIFIED ON THE PLANS.
- ALL SIGNS, MAILBOXES, PROPERTY BOUNDS, ETC. DISTURBED BY THE CONSTRUCTION ACTIVITIES SHALL BE RESET BY THE CONTRACTOR OR HIS AGENT.
- SAWCUT ALL EXISTING PAVEMENT AT LIMITS OF WORK.
- CONTRACTOR SHALL COORDINATE WITH THE FIELD ENGINEER AND REMOVE TREES AS NECESSARY TO COMPLETE THE WORK AND/OR AS DIRECTED BY THE TOWN ENGINEER.
- CONSTRUCT PAVED DRIVE APRON FOR ALL EXISTING DRIVEWAYS AS DIRECTED.
- ALL NEW EMBANKMENT SLOPES SHALL BE LOAMED AND SEEDED. MULCH AS DIRECTED.
- CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR TRAFFIC CONTROL AND ASSOCIATED SIGNAGE AND WARNING DEVICES DURING EXECUTION OF THIS CONTRACT.
- CATCH BASIN RIM ELEVATIONS SHALL BE SET TO ASPHALT BINDER GRADE. FUTURE WEARING COURSE SHALL TAPER INTO THE GRATE.
- GROUND SURVEY AND BASE PLAN PROVIDED BY SANDFORD SURVEYING AND ENGINEERING, BEDFORD, NH.
- TYPICAL SECTIONS AND DETAILS PROVIDED BY TOWN OF BEDFORD, NH.
- EXPOSED SOILS IN DELINEATED WETLANDS AT OUTFALLS AND ALONG SWALES WILL BE SEEDED WITH ERNMX-183, NATIVE DETENTION AREA SEED MIX, OR EQUIVALENT.
- CONTRACTOR TO MAINTAIN EXISTING DRIVE PIPES UNLESS OTHERWISE NOTED.
- INSTALL INLET PROTECTION IN ALL EXISTING AND PROPOSED CATCH BASINS (SEE EROSION CONTROL DETAILS). INLET PROTECTION SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
- ASPHALT BERMS SHALL BE UTILIZED TO PREVENT CONCENTRATED CURB LINE FLOW FROM ENTERING PRIVATE PROPERTIES THROUGH THE BREAK IN PROPOSED CURB RUNS. COORDINATE WITH ENGINEER.

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C1	STA 100+52.88	45° 47' 46"	100.00	42.24	79.93

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C2	STA 102+45.32	11° 23' 34"	450.00	44.89	89.48

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C3	STA 104+45.84	30° 50' 09"	335.00	92.39	180.29

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C4	STA 107+49.14	30° 04' 49"	335.00	90.01	175.88



CAPE COD BERM

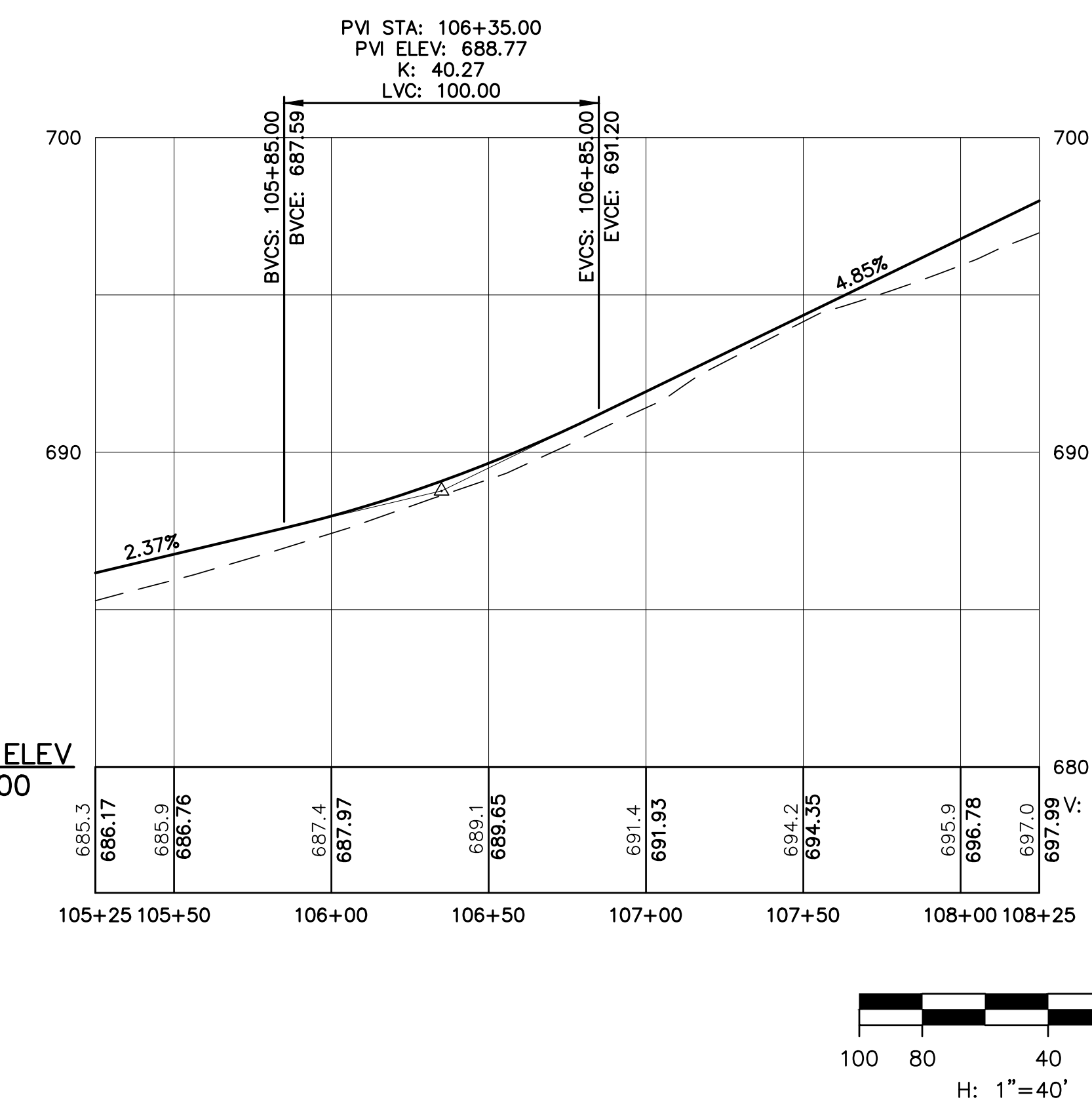
CONSTRUCT CAPE BERM AT THE FOLLOWING LOCATION:

- STA 101+47, LT TO STA 202+02, RT
- STA 202+02, LT TO STA 205+62, LT

STONE WALL

RECONSTRUCT STONE WALL MULTIPLE STONES WIDE (ITEM 572.2) AT RIGHT OF WAY LINE AT THE FOLLOWING LOCATIONS:

- STA 102+17, LT TO STA 102+20, LT
- STA 103+86, LT TO STA 105+17, LT
- STA 105+34, LT TO STA 107+00, LT



**HOLBROOK HILL ROAD
RECONSTRUCTION PLANS**

BEDFORD, NEW HAMPSHIRE

PREPARED FOR:
TOWN OF BEDFORD
55 CONSTITUTION DRIVE
BEDFORD, NEW HAMPSHIRE 03110

DATE: AUGUST 8, 2023

SCALE: AS SHOWN

SHEET: 1 OF 23

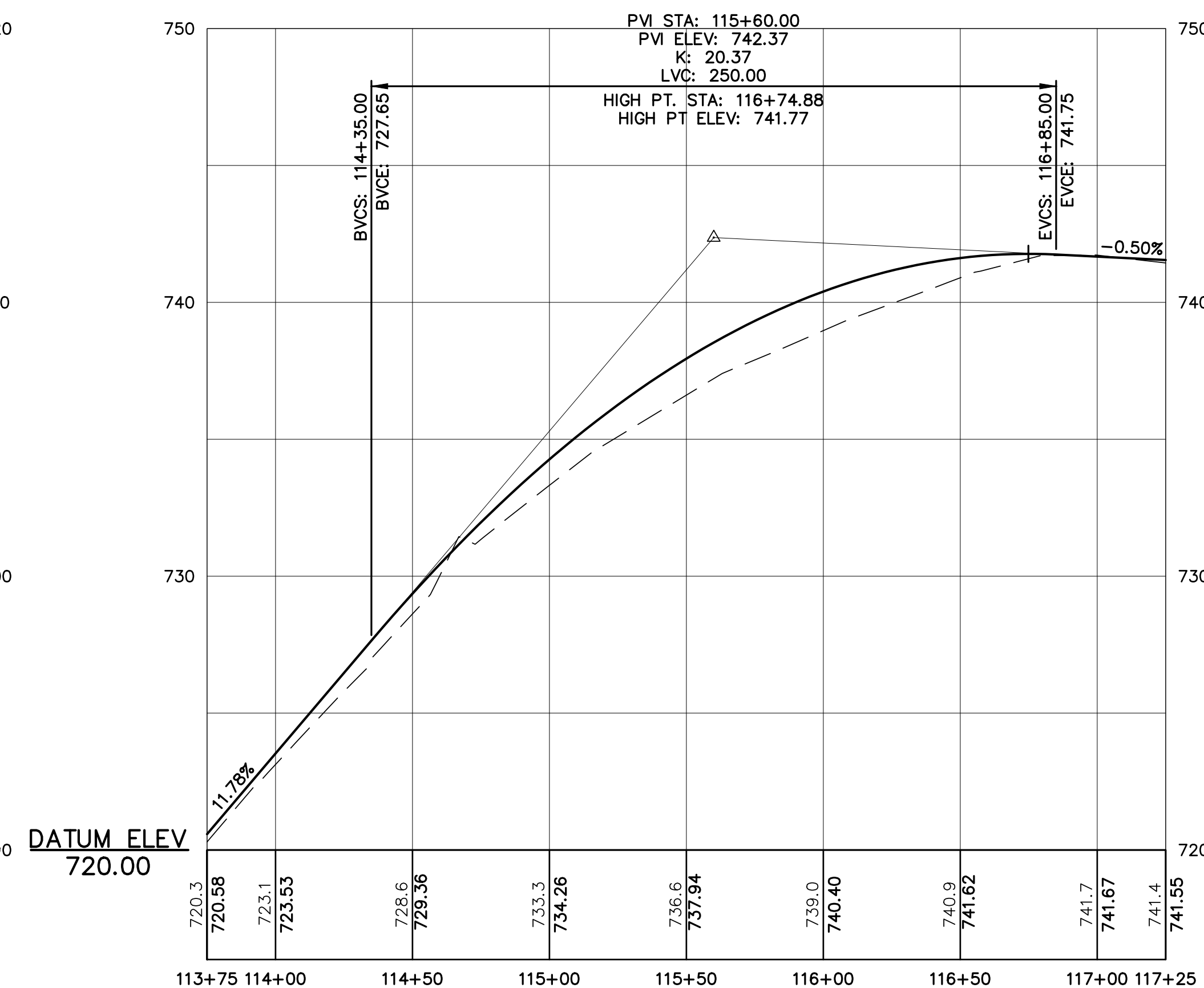
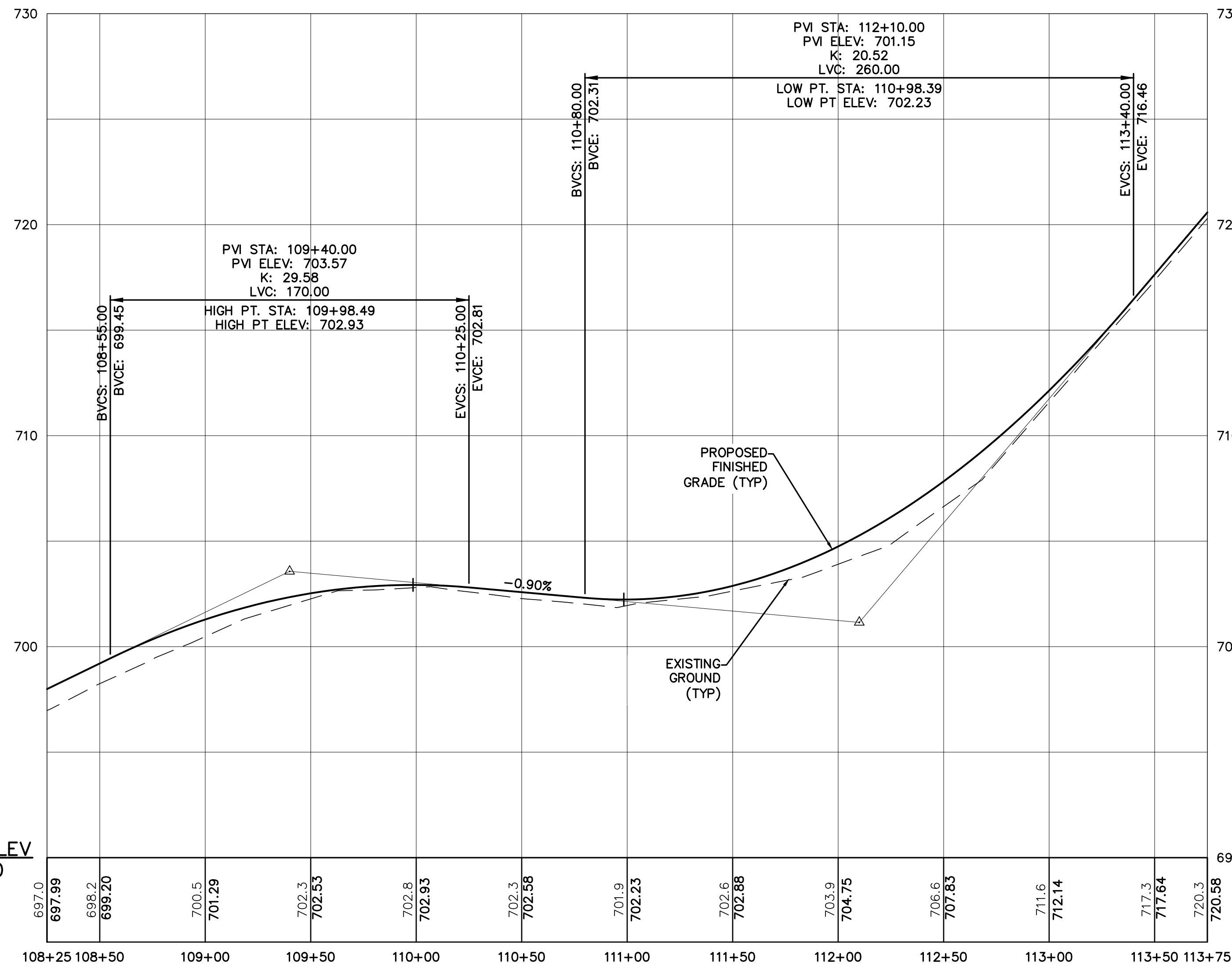
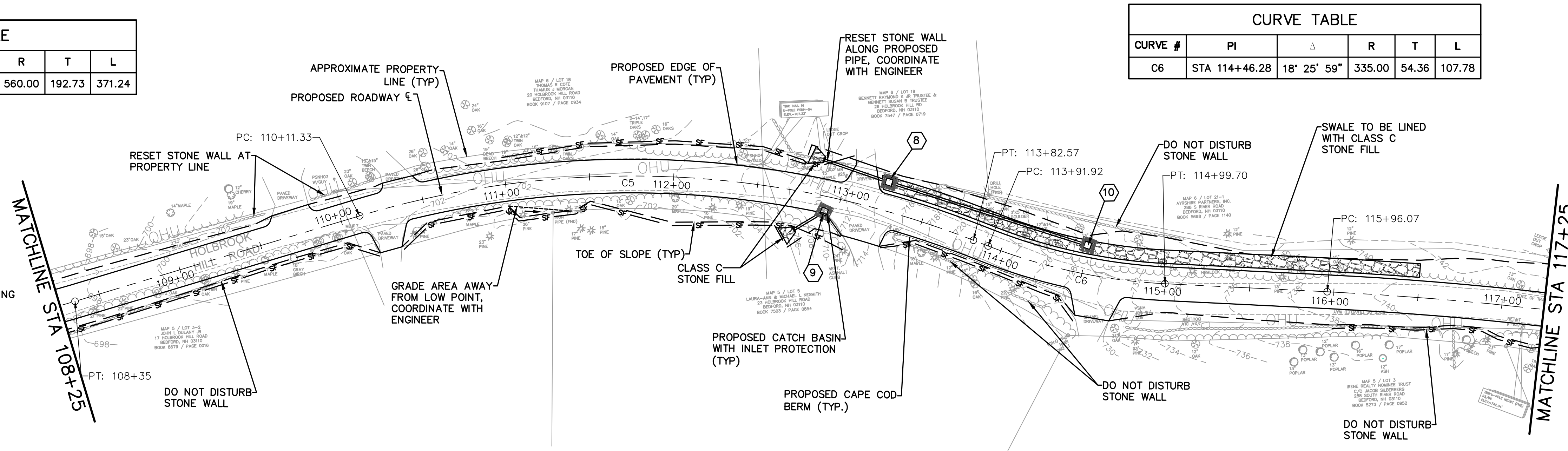
NO.	DATE	REVISION DESCRIPTION

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C5	STA 112+04.06	37° 59' 00"	560.00	192.73	371.24

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C6	STA 114+46.28	18° 25' 59"	335.00	54.36	107.78

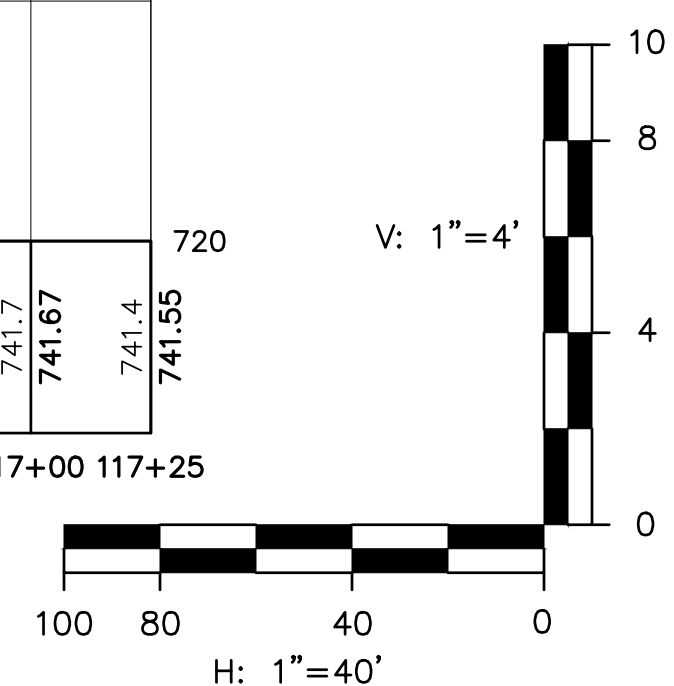
CAPE COD BERM
 CONSTRUCT CAPE BERM AT THE FOLLOWING LOCATION:
 1. STA 112+91, RT TO STA 114+47, RT

STONE WALL
 RECONSTRUCT STONE WALL MULTIPLE STONES WIDE (ITEM 572.2) AT RIGHT OF WAY LINE AT THE FOLLOWING LOCATIONS:
 1. STA 108+75, RT TO STA 109+27, RT
 2. STA 109+29, LT TO STA 109+58, LT
 3. STA 109+86, LT TO STA 110+24, LT
 4. STA 112+66, LT TO STA 113+00, LT



DATUM ELEV
690.00

DATUM ELEV
720.00



HOLBROOK HILL ROAD
 PLAN AND PROFILE 2

PREPARED FOR:
 TOWN OF BEDFORD
 55 CONSTITUTION DRIVE
 BEDFORD, NEW HAMPSHIRE 03110

HOLBROOK HILL ROAD
 RECONSTRUCTION PLANS
 BEDFORD, NEW HAMPSHIRE

SHEET: 2 OF 23 SCALE: AS SHOWN

DATE: AUGUST 8, 2023

NO. DATE REVISION DESCRIPTION

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C7	STA 117+07.76	6° 23' 35"	2000.00	111.70	223.16

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C8	STA 121+86.97	38° 19' 24"	775.00	269.30	518.37

CAPE COD BERM

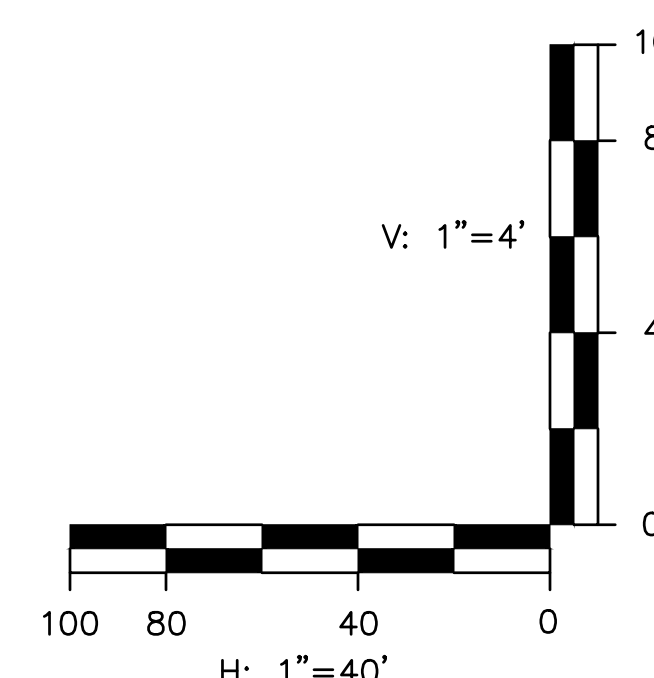
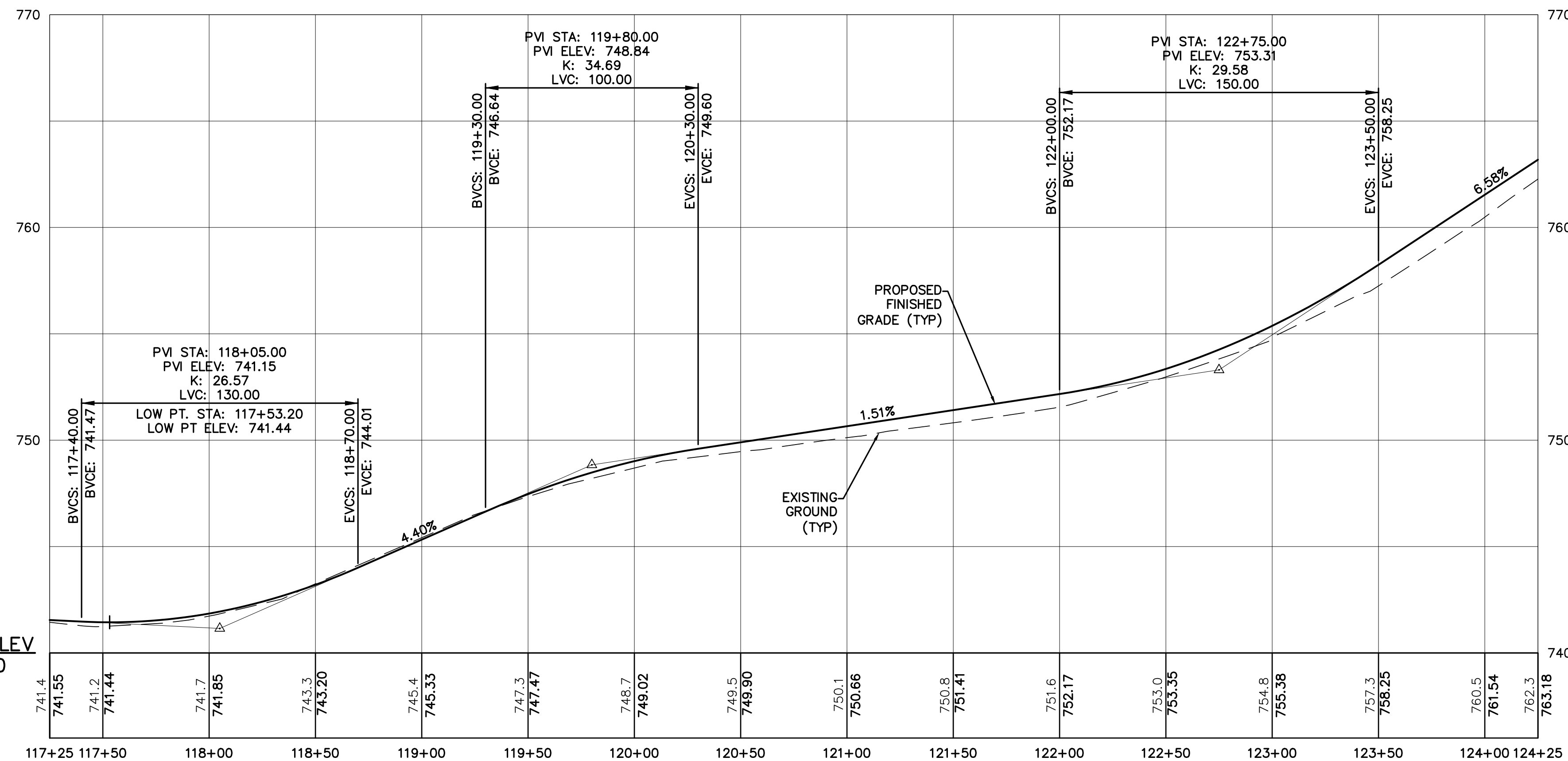
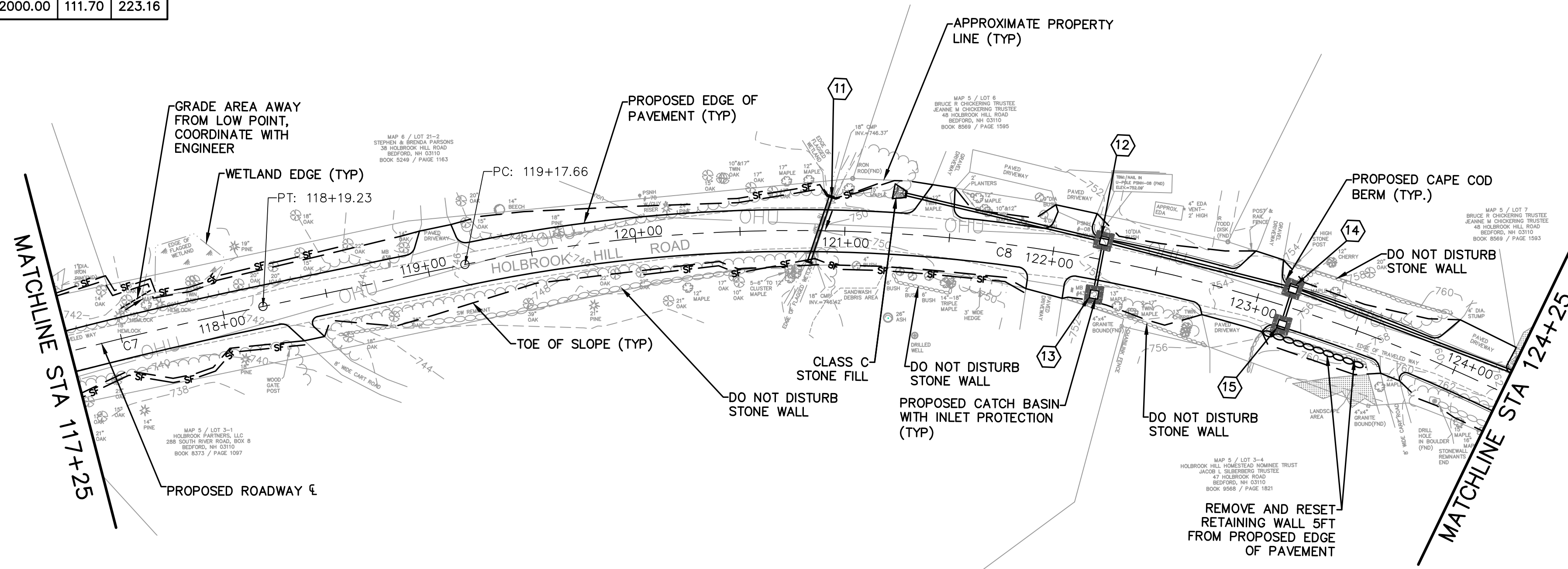
CONSTRUCT CAPE BERM AT THE FOLLOWING LOCATIONS:

1. STA 122+16, LT TO STA 124+25, LT
2. STA 123+08, RT TO STA 124+25, RT

STONE WALL

RECONSTRUCT STONE WALL MULTIPLE STONES WIDE (ITEM 572.2) AT RIGHT OF WAY LINE AT THE FOLLOWING LOCATIONS:

1. STA 124+00, RT TO STA 124+25, RT

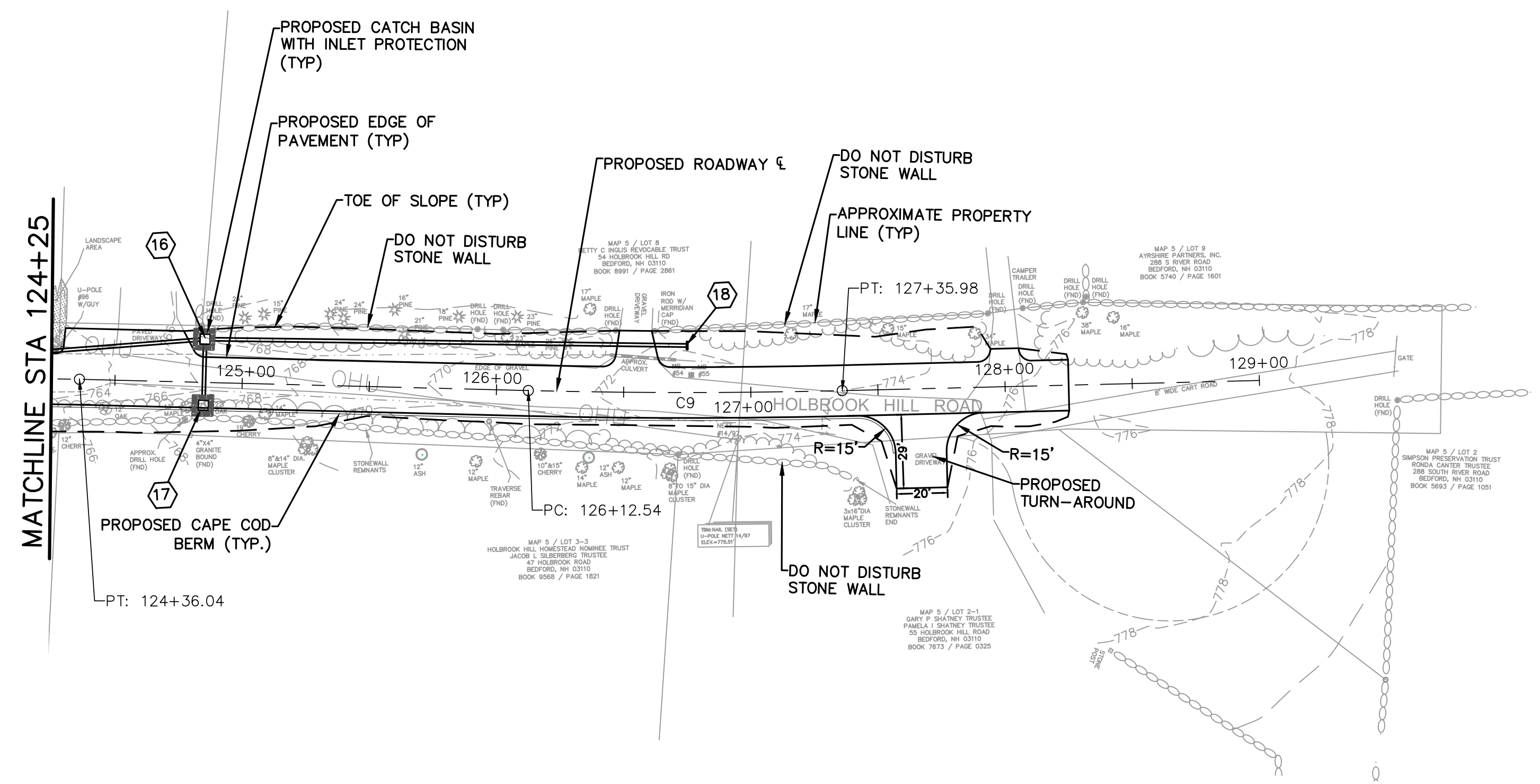
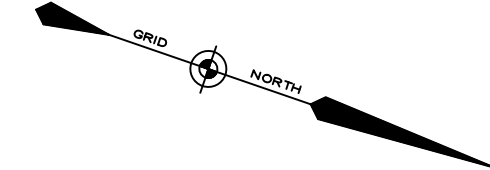


HOLBROOK HILL ROAD
RECONSTRUCTION PLANS
BEDFORD, NEW HAMPSHIRE

PREPARED FOR:
TOWN OF BEDFORD
55 CONSTITUTION DRIVE
BEDFORD, NEW HAMPSHIRE 03110

NO.	DATE	REVISION DESCRIPTION

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C9	STA 126+74.27	2° 49' 45"	2500.00	61.73	123.44



CAPE COD BERM

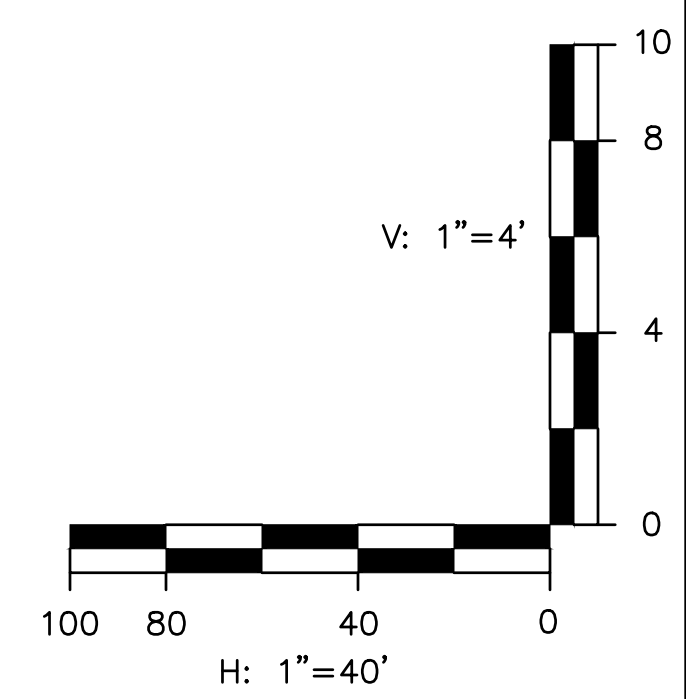
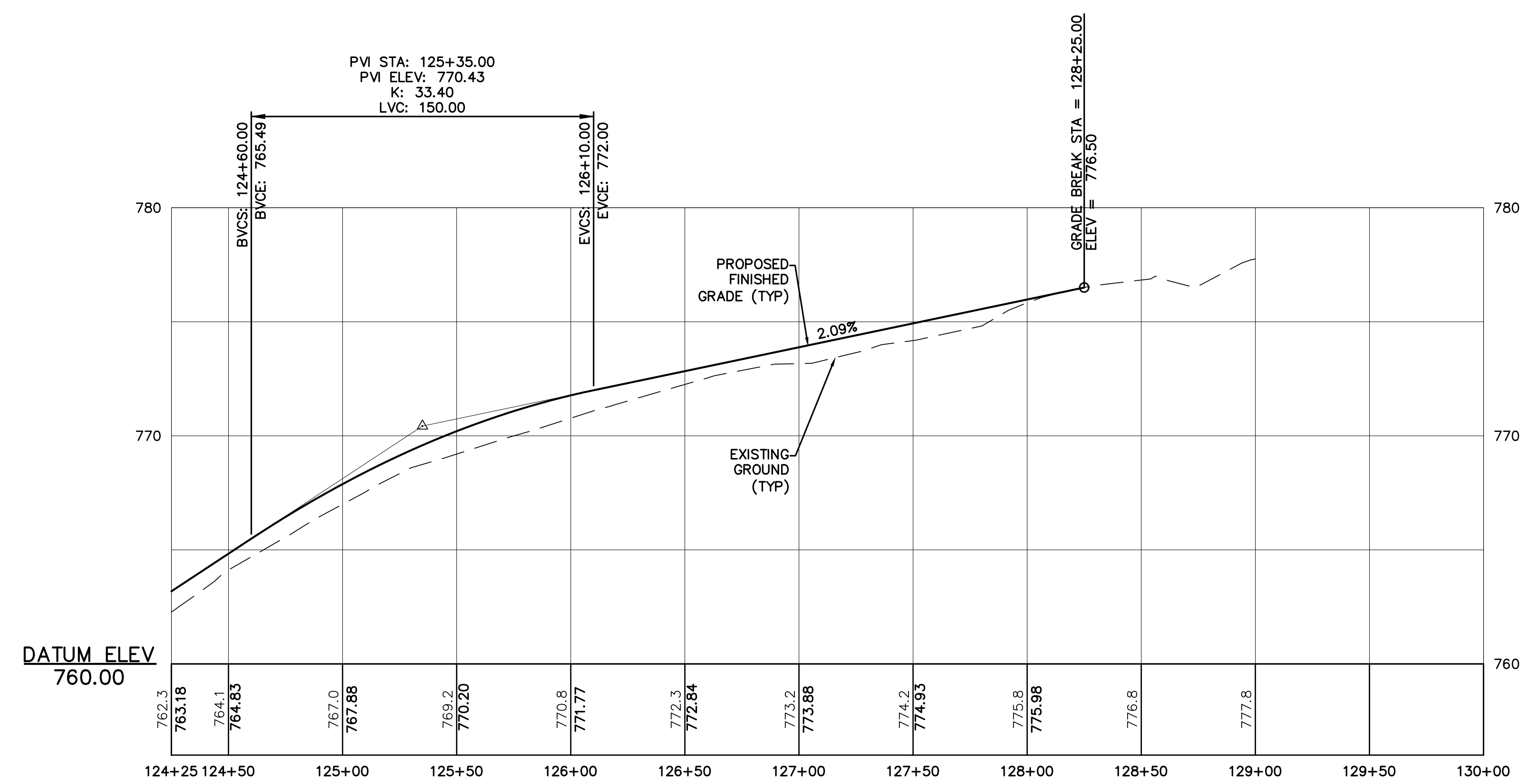
CONSTRUCT CAPE BERM AT THE FOLLOWING LOCATION:

- STA 124+25, LT TO STA 124+50, LT
- STA 124+25, RT TO STA 127+57, RT

STONE WALL

RECONSTRUCT STONE WALL MULTIPLE STONES WIDE (ITEM 572.2) AT RIGHT OF WAY LINE AT THE FOLLOWING LOCATIONS:

- STA 124+25, RT TO STA 125+35, RT

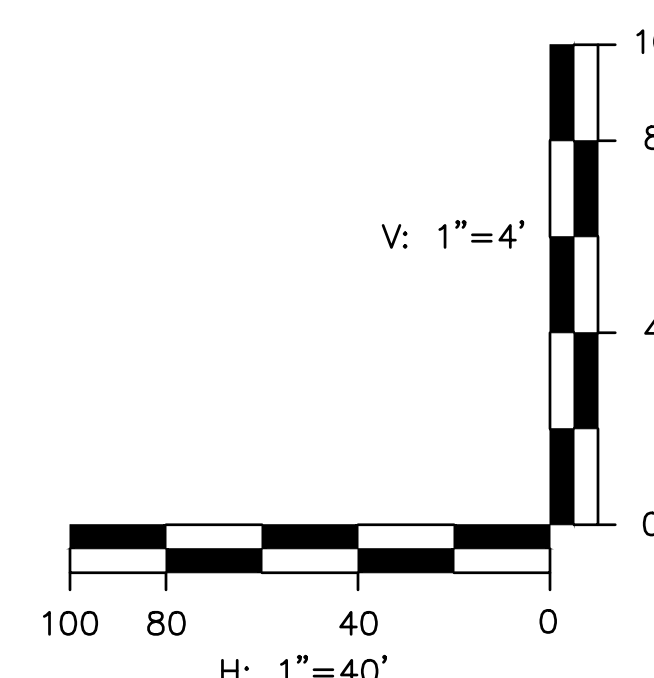
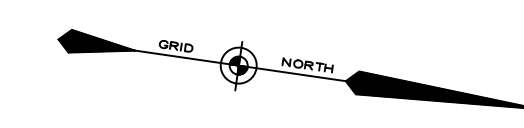
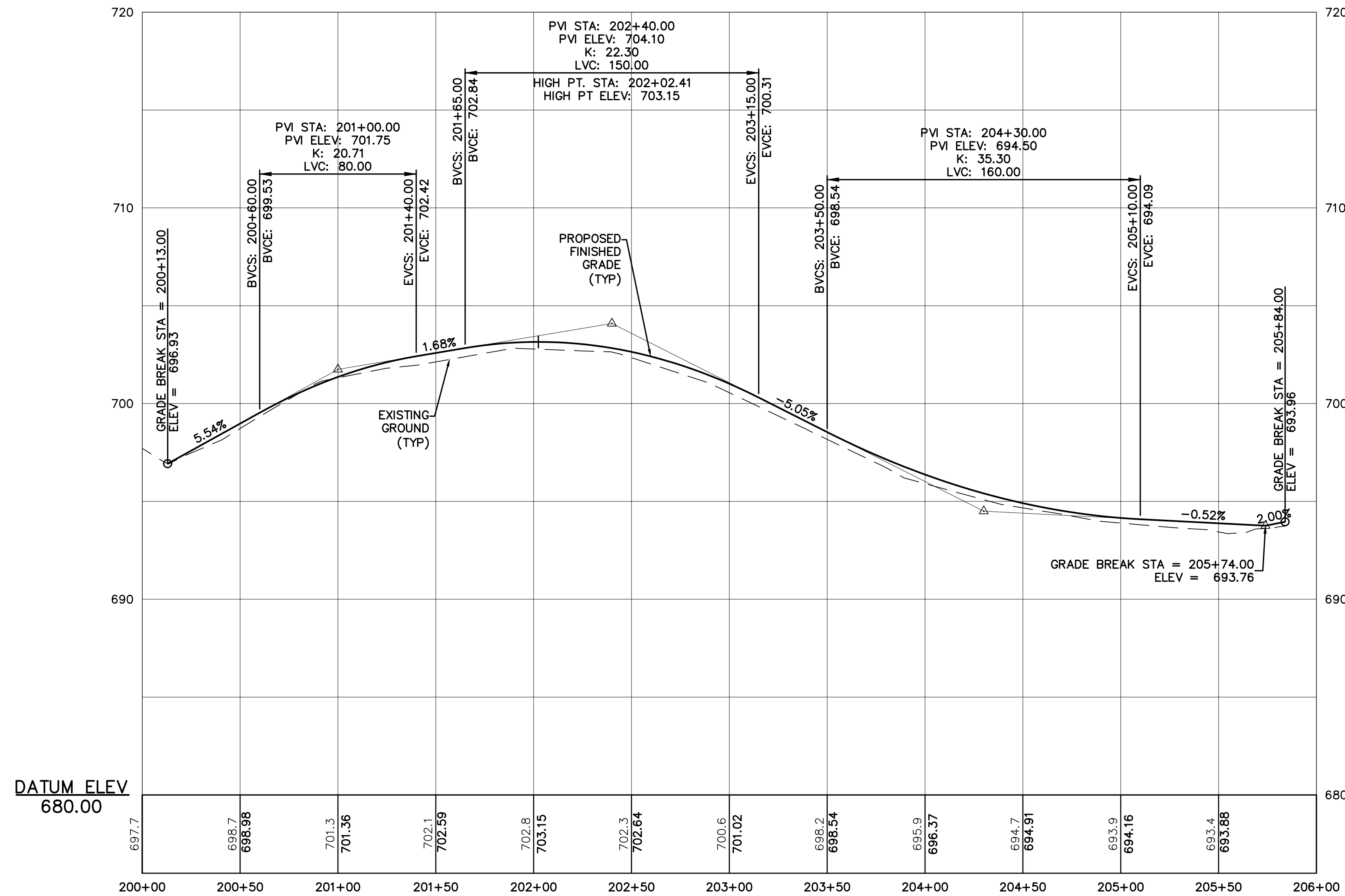
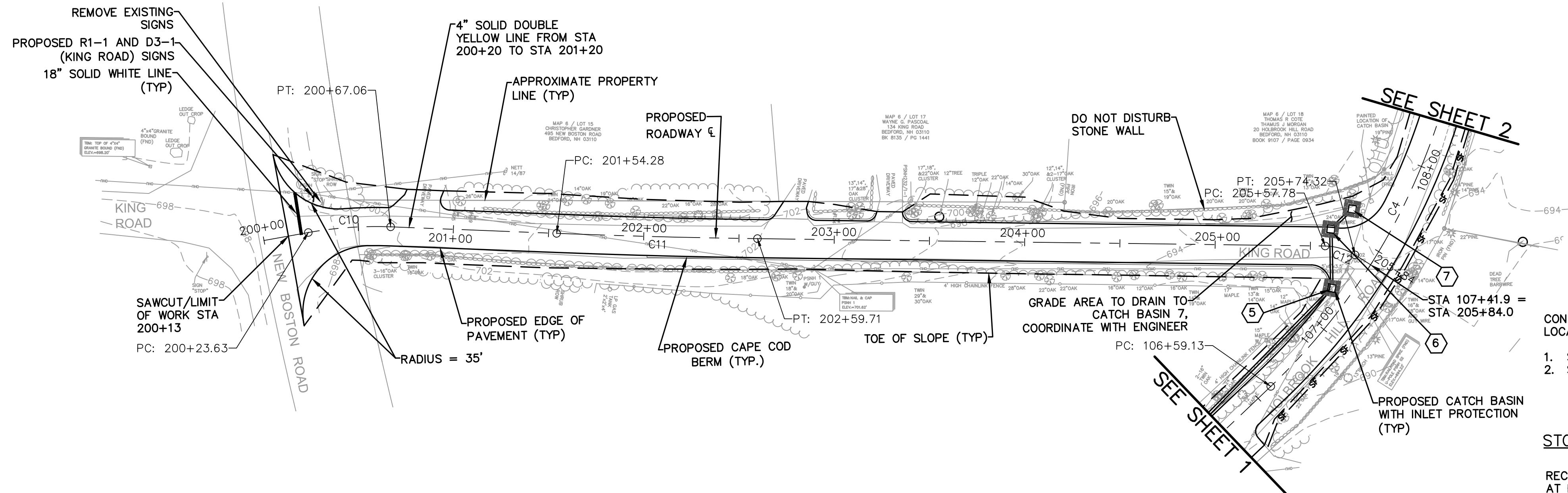


HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE	PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110	DATE: AUGUST 8, 2023	NO.	DATE	REVISION DESCRIPTION

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C10	STA 200+45.43	12° 26' 36"	200.00	21.80	43.44

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C11	STA 202+07.00	1° 30' 37"	4000.00	52.72	105.43

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C12	STA 205+66.26	31° 35' 11"	30.00	8.49	16.54



HOLBROOK HILL ROAD RECONSTRUCTION PLANS		TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110		KING ROAD PLAN AND PROFILE 1	
SHEET: 5	OF 23	SCALE: AS SHOWN	DATE: AUGUST 8, 2023	NO.	DATE
				REVISION	DESCRIPTION

1 STA 101+26.0, LT 22.0' TO STA 101+54.0, LT 9.0'
 CONSTRUCT 31 FT X 15 IN RCP, 2000D
 CONSTRUCT SLAB TOP CB-F @ STA 101+54.0, LT 9.0'
 15 IN INV. IN = 657.78
 15 IN INV. OUT = 657.68
 15 IN INV. @ OUTLET = 657.53
 GRATE ELEV. = 661.85
 CONSTRUCT MORTAR RUBBLE MASONRY HEADWALL @ OUTLET

2 STA 101+54.0, LT 9.0' TO STA 102+50.0, LT 9.0'
 CONSTRUCT 95 FT X 15 IN RCP, 2000D
 CONSTRUCT CB-F @ STA 102+50.0, LT 9.0'
 15 IN INV. IN = 663.70
 15 IN INV. OUT = 663.60
 GRATE ELEV. = 668.20

3 STA 102+50.0, LT 9.0' TO STA 104+00.0, LT 9.0'
 CONSTRUCT 150 FT X 15 IN RCP, 2000D
 CONSTRUCT CB-F @ STA 104+00.0, LT 9.0'
 15 IN INV. IN = 676.00
 15 IN INV. OUT = 675.90
 GRATE ELEV. = 680.50

4 STA 104+00.0, LT 9.0' TO STA 105+00.0, LT 9.0'
 CONSTRUCT 102 FT X 15 IN RCP, 2000D
 CONSTRUCT CB-F @ STA 105+00.0, LT 9.0'
 15 IN INV. IN = 680.35
 15 IN INV. OUT = 680.25
 GRATE ELEV. = 685.25

5 STA 105+00.0, LT 9.0' TO STA 107+20.0, LT 10.0'
 CONSTRUCT 219 FT X 15 IN RCP, 2000D
 CONSTRUCT CB-F @ STA 107+20.0, LT 10.0'
 15 IN INV. IN = 687.65
 15 IN INV. OUT = 687.55
 GRATE ELEV. = 692.55

6 STA 107+20.0, LT 10.0' TO STA 205+60.0, LT 9.0'
 CONSTRUCT 31 FT X 15 IN RCP, 2000D
 CONSTRUCT CB-B @ STA 205+60.0, LT 9.0'
 15 IN INV. IN = 688.60
 15 IN INV. OUT = 688.50
 GRATE ELEV. = 693.50

7 STA 205+60.0, LT 9.0' TO STA 205+66.0, LT 21.5'
 CONSTRUCT 15 FT X 15 IN RCP, 2000D
 CONSTRUCT DEEP SUMP (SEE DETAIL) CB-E @ STA 205+66.0, LT 21.5'
 15 IN INV. OUT = 688.70
 GRATE ELEV. = 693.20

8 STA 112+86.0, LT 21.0' TO STA 113+25.0, LT 17.0'
 CONSTRUCT 41 FT X 15 IN RCP, 2000D
 CONSTRUCT CB-E @ STA 113+25.0, LT 17.0'
 15 IN INV. IN = 708.90
 15 IN INV. OUT = 708.80
 15 IN INV. @ OUTLET = 706.90
 GRATE ELEV. = 713.40
 CONSTRUCT MORTAR RUBBLE MASONRY HEADWALL @ OUTLET

9 STA 112+76.0, RT 23.0' TO STA 112+92.0, RT 9.0'
 CONSTRUCT 21 FT X 15 IN RCP, 2000D
 CONSTRUCT DEEP SUMP (SEE DETAIL) CB-F @ STA 112+92.0, RT 9.0'
 15 IN INV. OUT = 706.55
 15 IN INV. @ OUTLET = 705.50
 GRATE ELEV. = 711.05
 CONSTRUCT MORTAR RUBBLE MASONRY HEADWALL @ OUTLET

10 STA 113+25.0, LT 17.0' TO STA 114+50.0, LT 17.0'
 CONSTRUCT 124 FT X 15 IN RCP, 2000D
 CONSTRUCT DEEP SUMP (SEE DETAIL) CB-E @ STA 114+50.0, LT 17.0'
 15 IN INV. OUT = 723.50
 GRATE ELEV. = 728.00

11 STA 120+83.0, RT 15.0' TO STA 120+93.0, LT 16.5'
 CONSTRUCT 33 FT X 18 IN RCP, 3000D
 18 IN INV. @ INLET = 746.60
 18 IN INV. @ OUTLET = 746.44
 CONSTRUCT MORTAR RUBBLE MASONRY HEADWALL @ INLET AND OUTLET
 REMOVE EXISTING 25 FT X 18 IN CMP PIPE (SUBSIDIARY)

12 STA 121+28.0, LT 19.0' TO STA 122+23.0, LT 9.0'
 CONSTRUCT 97 FT X 15 IN RCP, 2000D
 CONSTRUCT CB-B @ STA 122+23.0, LT 9.0'
 15 IN INV. IN (NW) = 747.90
 15 IN INV. IN (NE) = 747.90
 15 IN INV. OUT = 747.80
 15 IN INV. @ OUTLET = 747.30
 GRATE ELEV. = 752.30
 CONSTRUCT MORTAR RUBBLE MASONRY HEADWALL @ OUTLET

13 STA 122+23.0, LT 9.0' TO STA 122+23.0, RT 17.0'
 CONSTRUCT 26 FT X 15 IN RCP, 2000D
 CONSTRUCT DEEP SUMP (SEE DETAIL) SLAB TOP CB-E @ STA 122+23.0, RT 17.0'
 15 IN INV. OUT = 748.05
 GRATE ELEV. = 751.35

14 STA 122+23.0, LT 9.0' TO STA 123+15.0, LT 9.0'
 CONSTRUCT 93 FT X 15 IN RCP, 2000D
 CONSTRUCT CB-F @ STA 123+15.0, LT 9.0'
 15 IN INV. IN (NW) = 751.20
 15 IN INV. IN (NE) = 751.20
 15 IN INV. OUT = 751.10
 GRATE ELEV. = 755.80

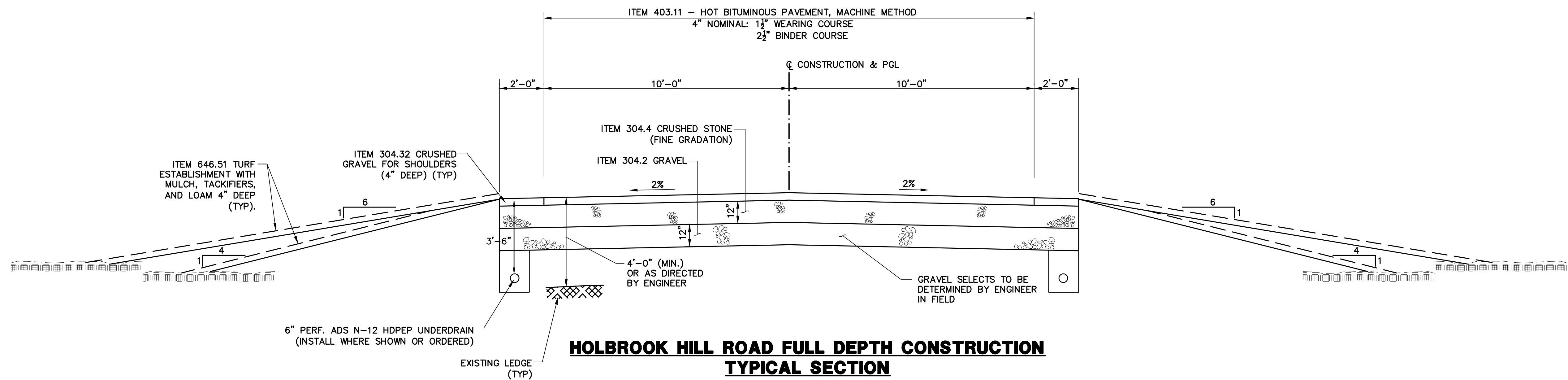
15 STA 123+15.0, LT 9.0' TO STA 123+15.0, RT 9.0'
 CONSTRUCT 18 FT X 15 IN RCP, 2000D
 CONSTRUCT DEEP SUMP (SEE DETAIL) CB-F @ STA 123+15.0, RT 9.0'
 15 IN INV. OUT = 751.30
 GRATE ELEV. = 755.80

16 STA 123+15.0, LT 9.0' TO STA 124+85.0, LT 17.0'
 CONSTRUCT 172 FT X 15 IN RCP, 2000D
 CONSTRUCT CB-E @ STA 124+85.0, LT 17.0'
 15 IN INV. IN (N) = 760.20
 15 IN INV. IN (E) = 760.20
 15 IN INV. OUT = 760.10
 GRATE ELEV. = 765.70

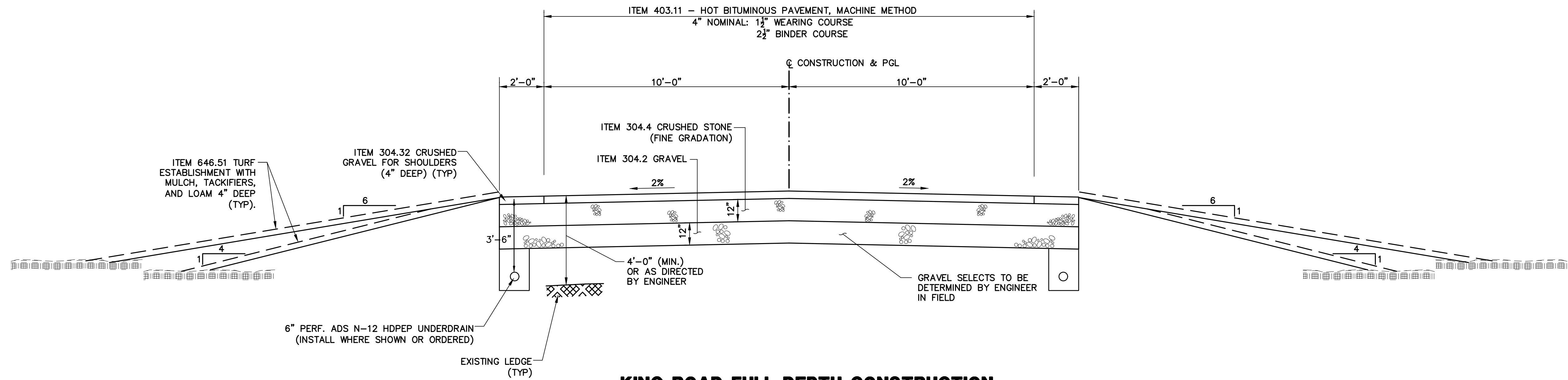
17 STA 124+85.0, LT 17.0' TO STA 124+85.0, RT 9.0'
 CONSTRUCT 26 FT X 15 IN RCP, 2000D
 CONSTRUCT DEEP SUMP (SEE DETAIL) CB-F @ STA 124+85.0, RT 9.0'
 15 IN INV. OUT = 762.20
 GRATE ELEV. = 766.70

18 STA 124+85.0, LT 17.0' TO STA 126+75.0, LT 18.5'
 CONSTRUCT 190 FT X 15 IN RCP, 3000D
 15 IN INV. @ INLET = 769.80
 CONSTRUCT MORTAR RUBBLE MASONRY HEADWALL @ INLET
 REMOVE EXISTING DRIVE PIPE (SUBSIDIARY)

NO.		DATE		REVISION DESCRIPTION	
DRAINAGE NOTES					
PREPARED FOR:		TOWN OF BEDFORD			
		55 CONSTITUTION DRIVE			
		BEDFORD, NEW HAMPSHIRE 03110			
		DATE: AUGUST 8, 2023			
HOLBROOK HILL ROAD		SCALE: AS SHOWN			
RECONSTRUCTION PLANS					
BEDFORD, NEW HAMPSHIRE					
SHEET: 6	OF 23				

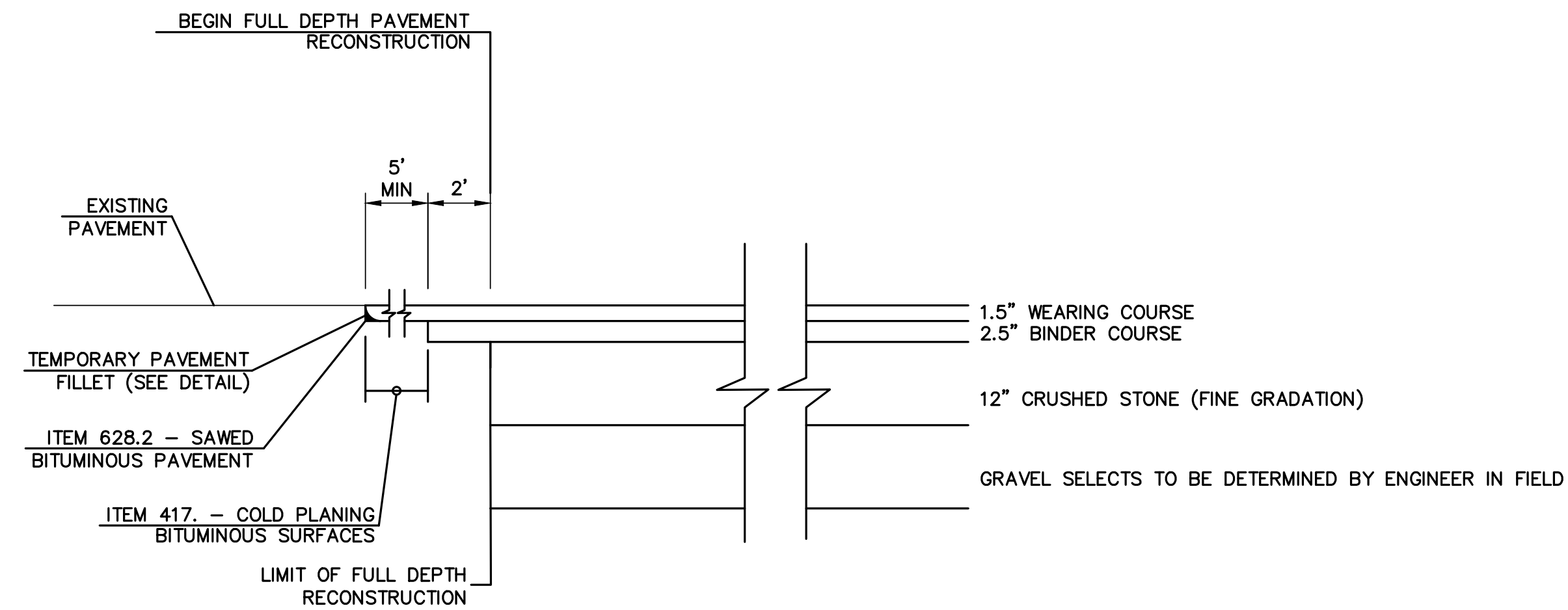


**HOLBROOK HILL ROAD FULL DEPTH CONSTRUCTION
TYPICAL SECTION**

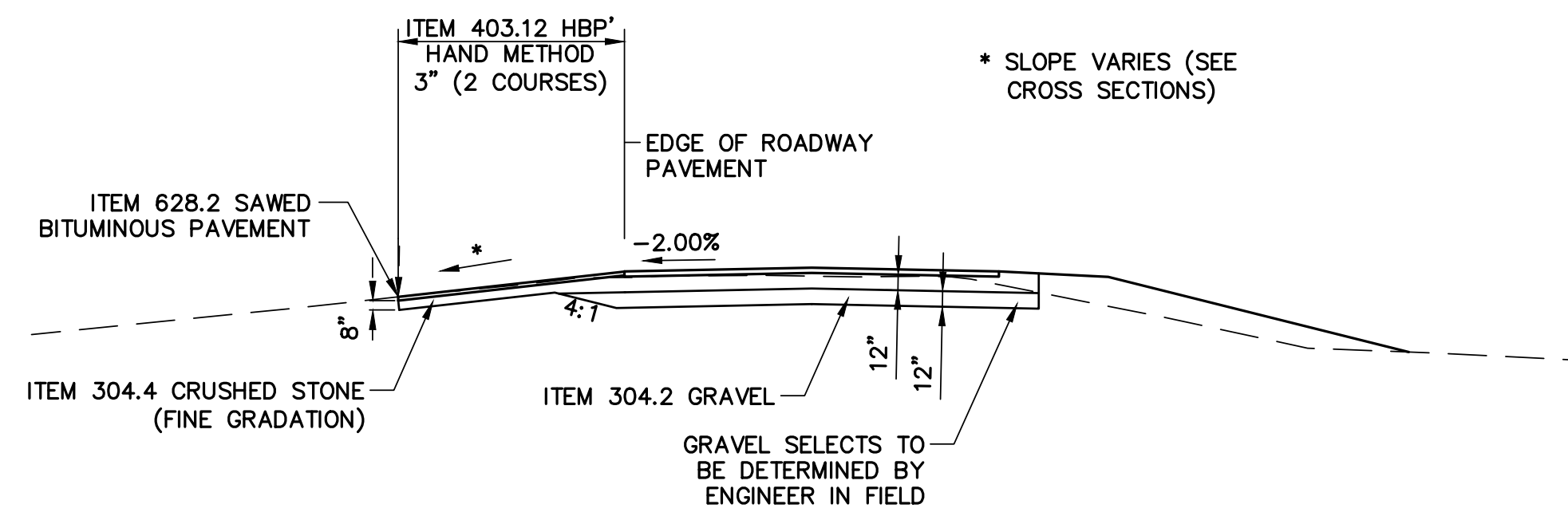


**KING ROAD FULL DEPTH CONSTRUCTION
TYPICAL SECTION**

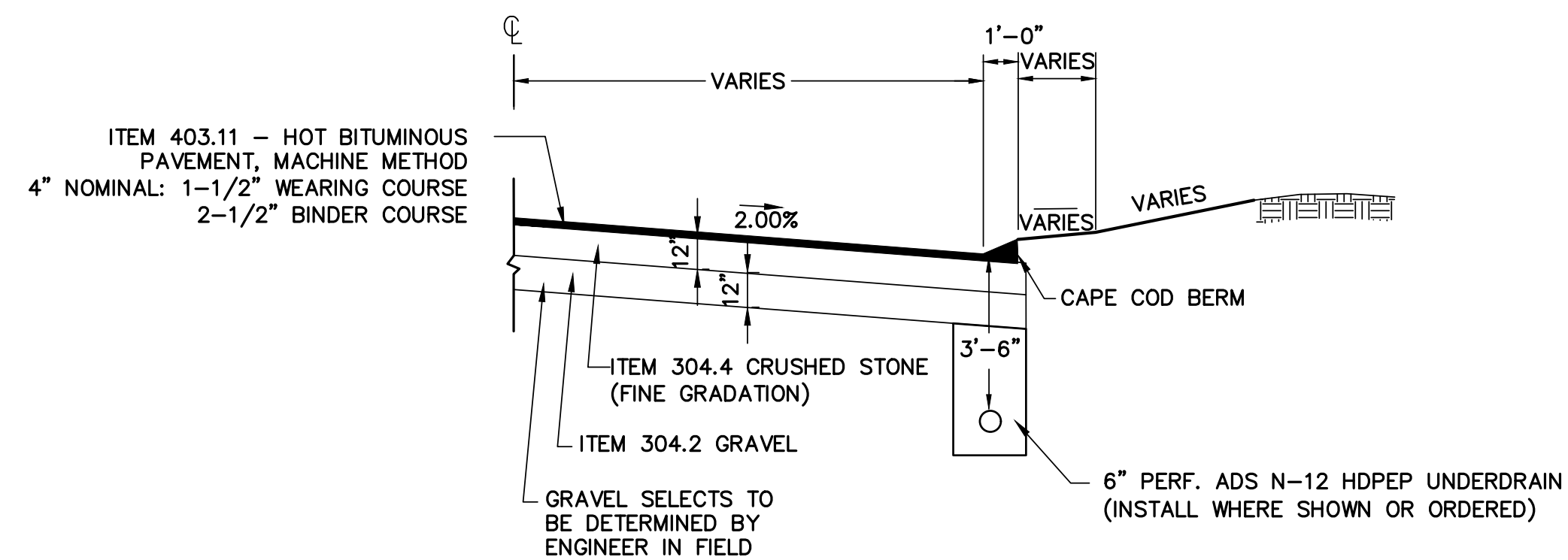
HOLBROOK HILL ROAD RECONSTRUCTION PLANS		PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110		DATE: AUGUST 8, 2023	
BEDFORD, NEW HAMPSHIRE		SCALE: AS SHOWN		SHEET: 7 OF 23	
TYPICAL SECTIONS			REVISION DESCRIPTION		
			NO.		
			DATE		



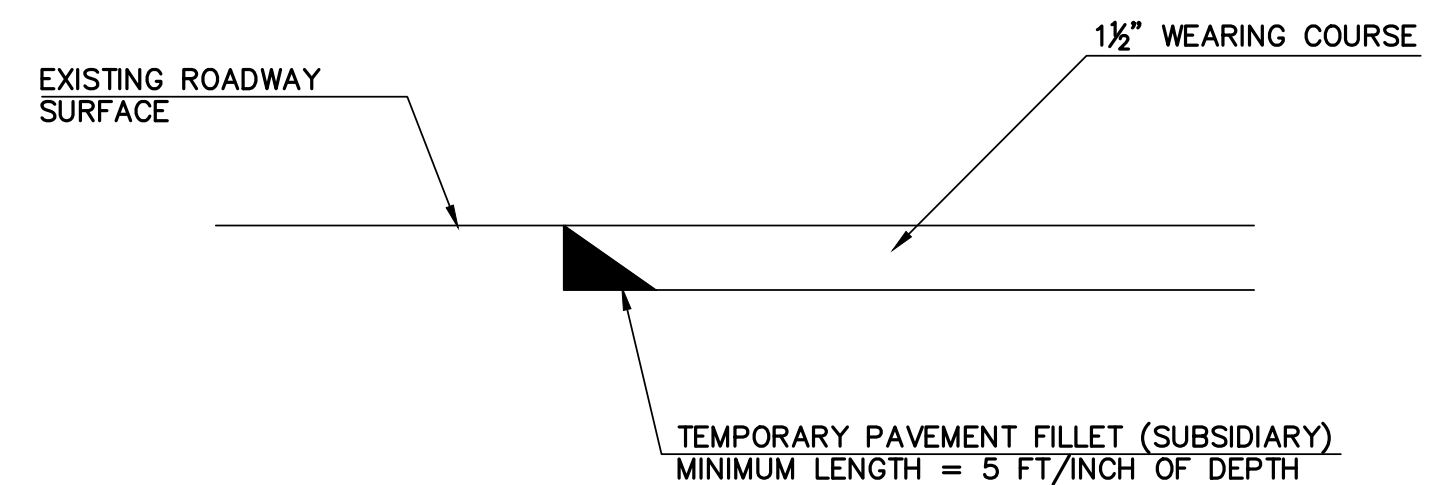
END PAVEMENT AND BASE COURSE TRANSITION
NOT TO SCALE



DRIVE DETAIL
NOT TO SCALE

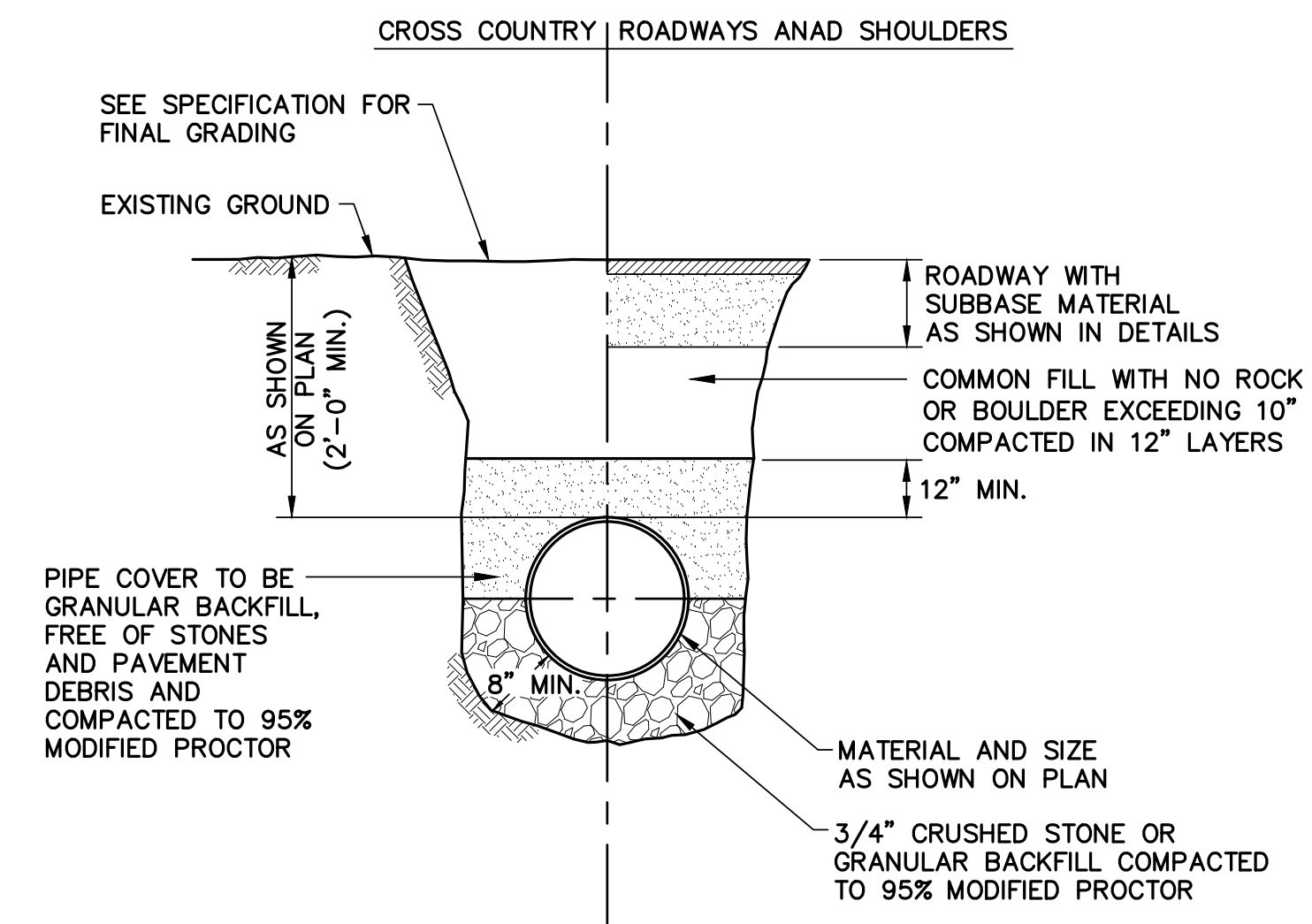


CAPE COD BERM SECTION
NOT TO SCALE



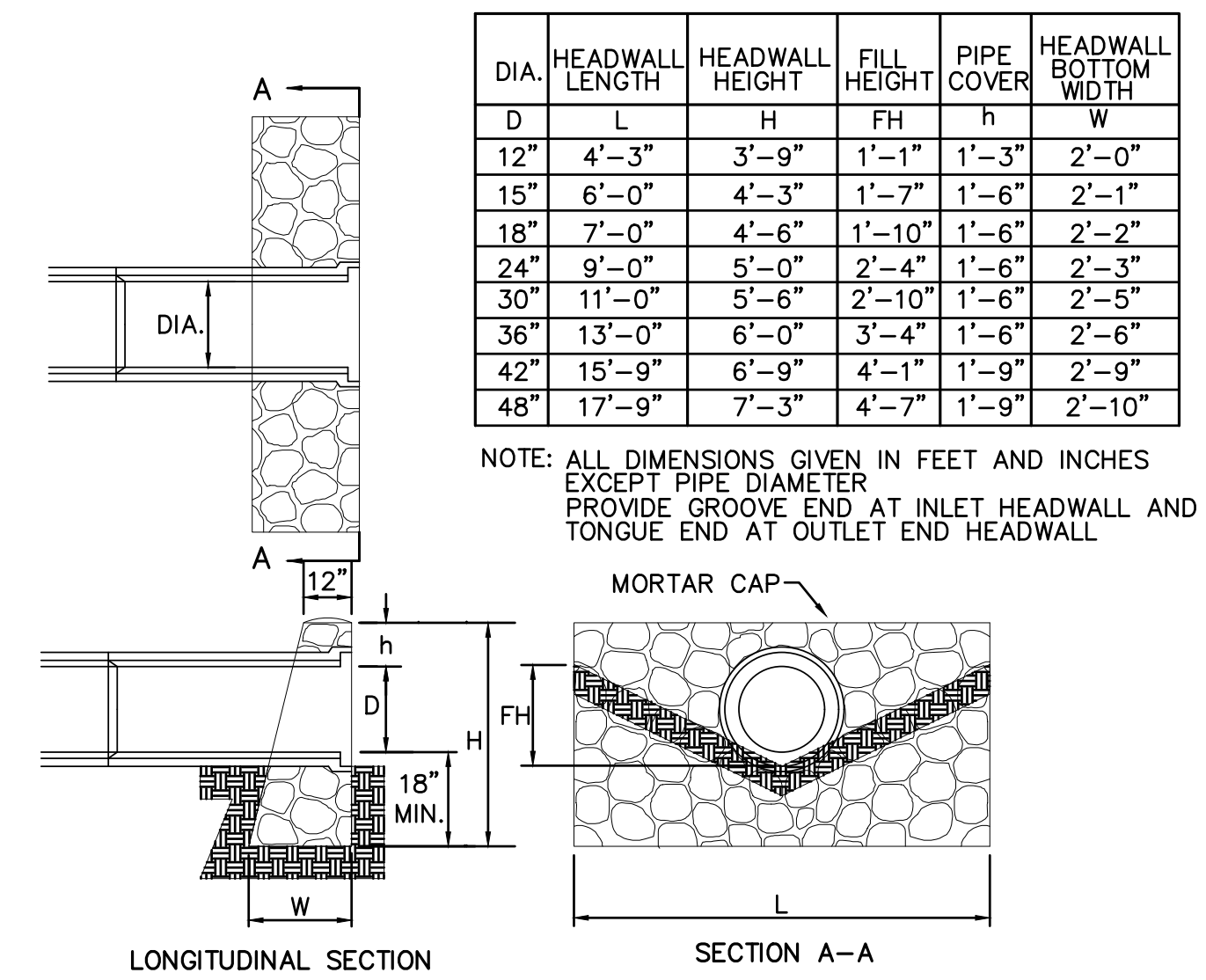
TEMPORARY PAVEMENT FILLET DETAIL
NOT TO SCALE

HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE	PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110	SHEET: 8 OF 23	SCALE: AS SHOWN	DATE: AUGUST 8, 2023	ROADWAY DETAILS
		NO.	DATE	REVISION DESCRIPTION	

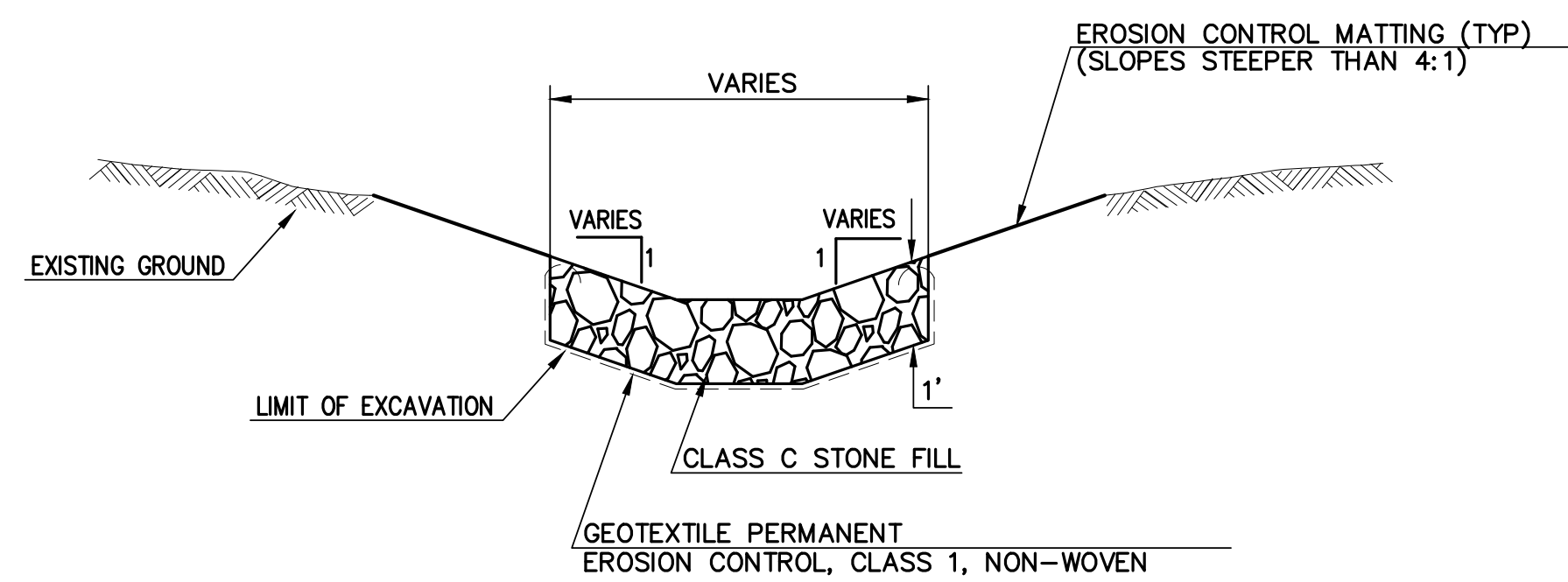


DRAIN PIPE TRENCH
NOT TO SCALE

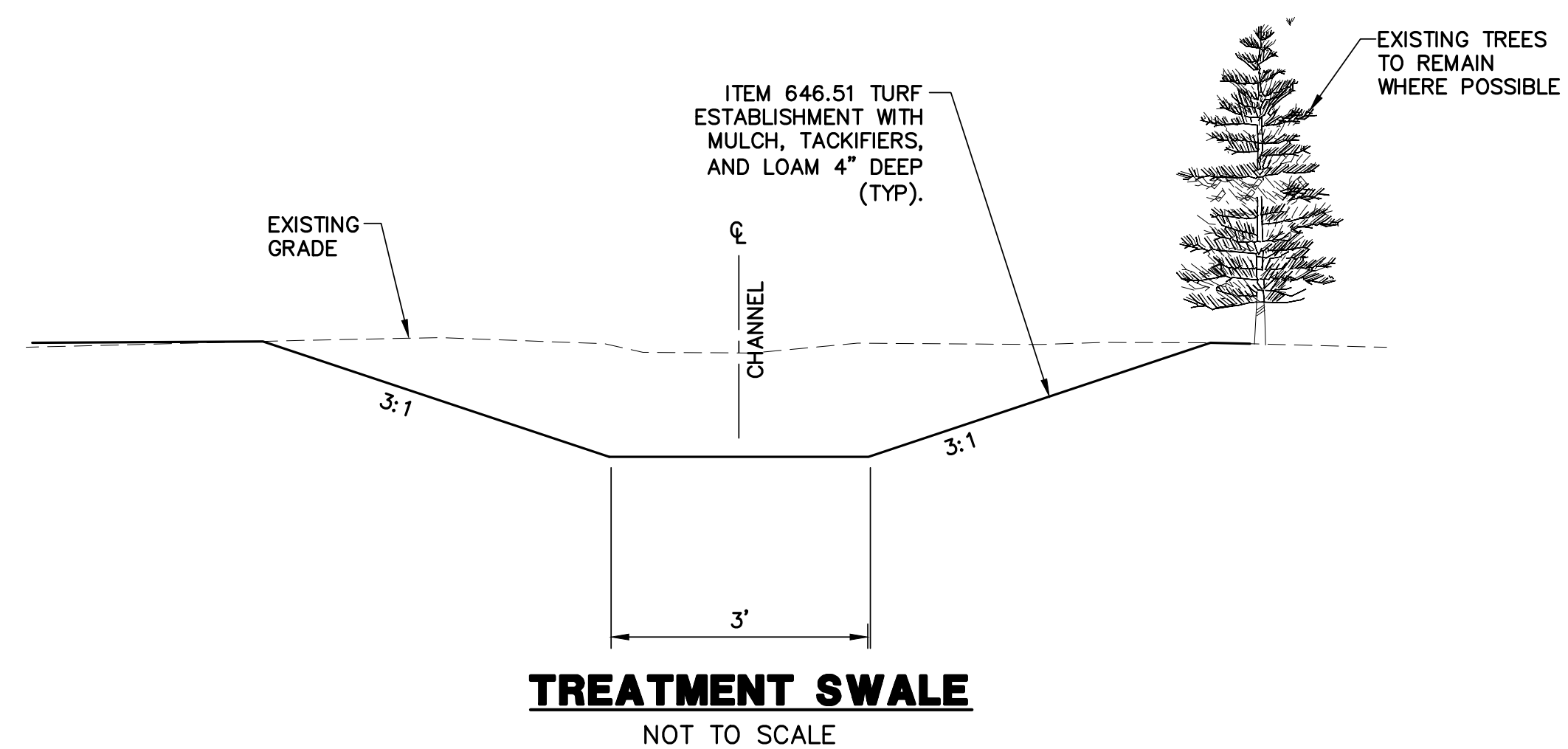
NOTES:
1. ALL EXCAVATION AND BACKFILL FOR TRENCH TO BE SUBSIDIARY TO PIPE CONSTRUCTION PAY ITEM.



MORTAR RUBBLE MASONRY HEADWALL DETAIL
NOT TO SCALE



STONE FILL CHANNEL
NOT TO SCALE

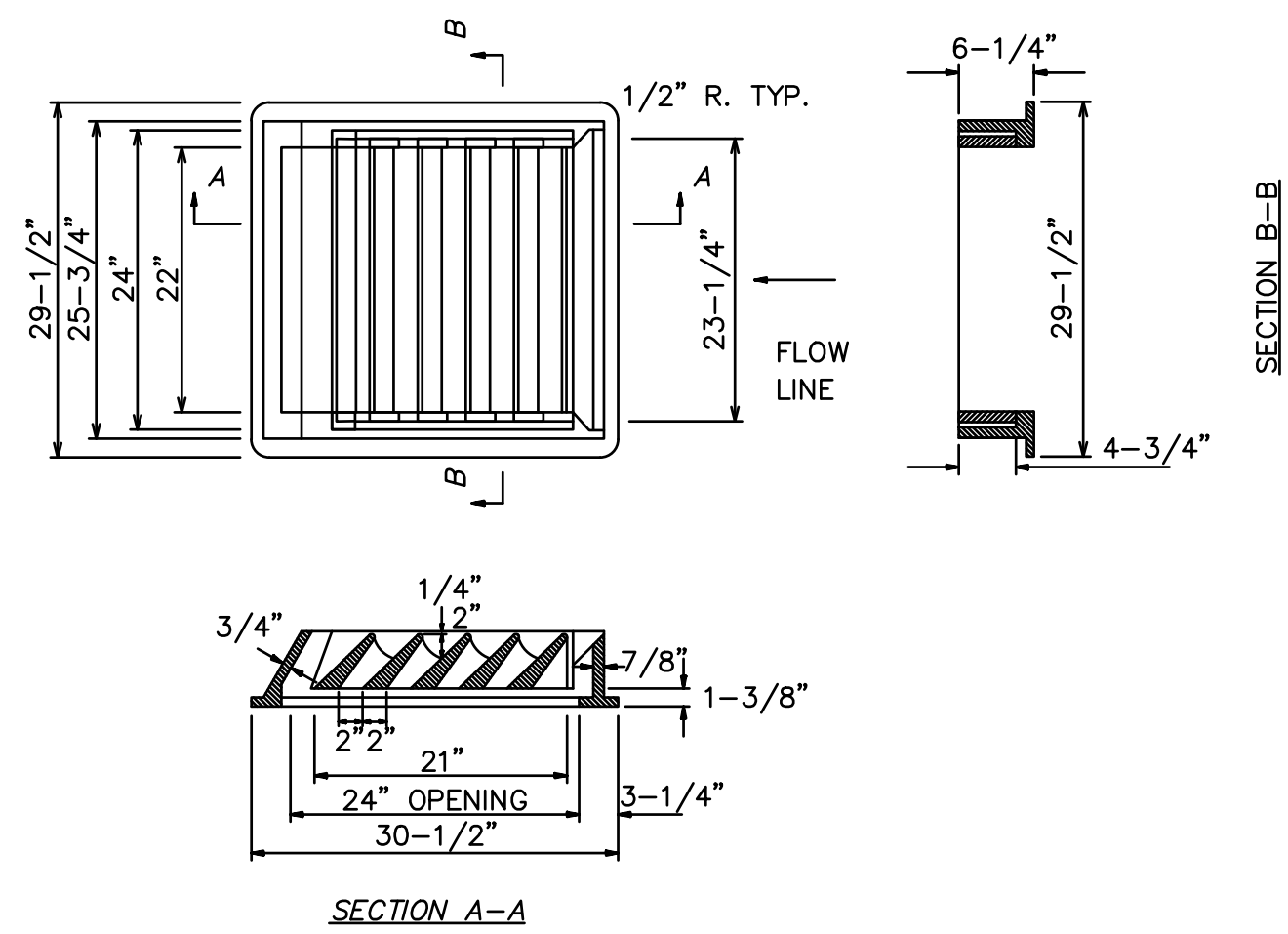


TREATMENT SWALE
NOT TO SCALE

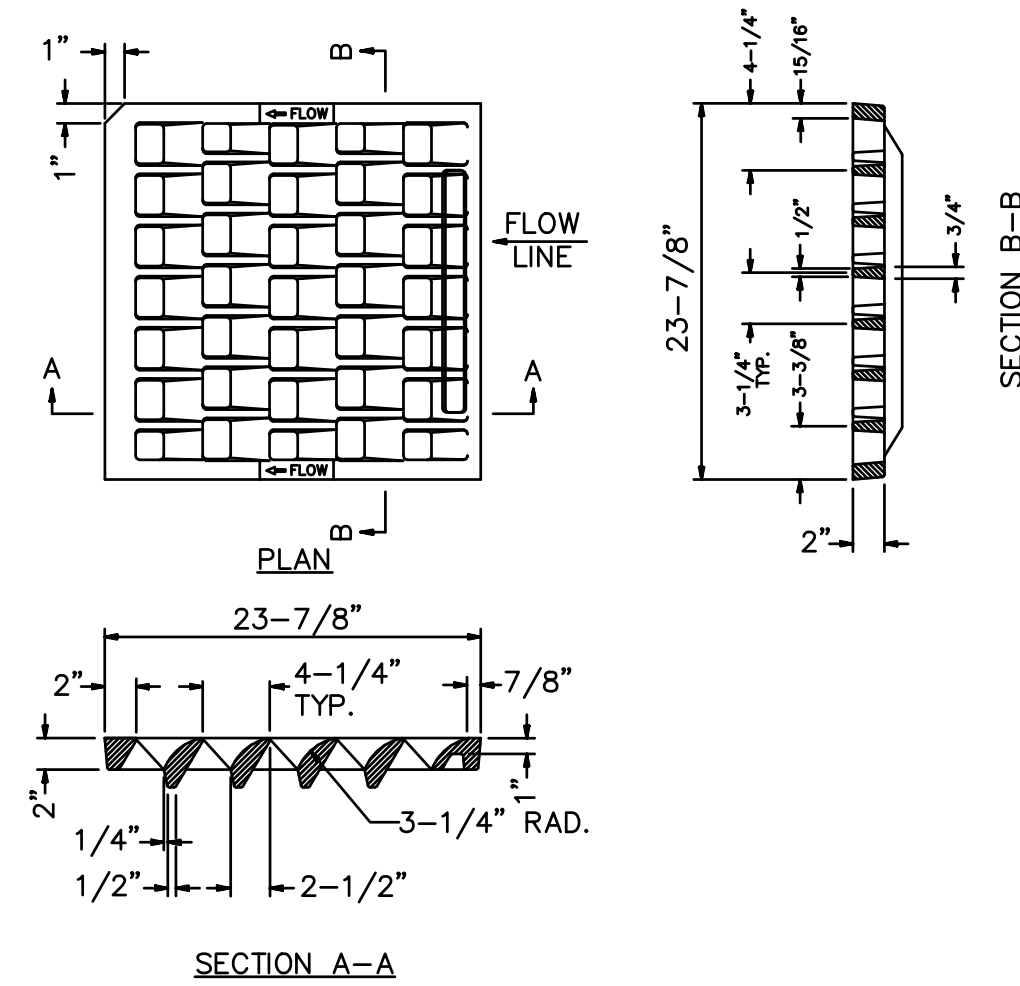
PREPARED FOR:
TOWN OF BEDFORD
55 CONSTITUTION DRIVE
BEDFORD, NEW HAMPSHIRE 03110

HOLBROOK HILL ROAD
RECONSTRUCTION PLANS
BEDFORD, NEW HAMPSHIRE

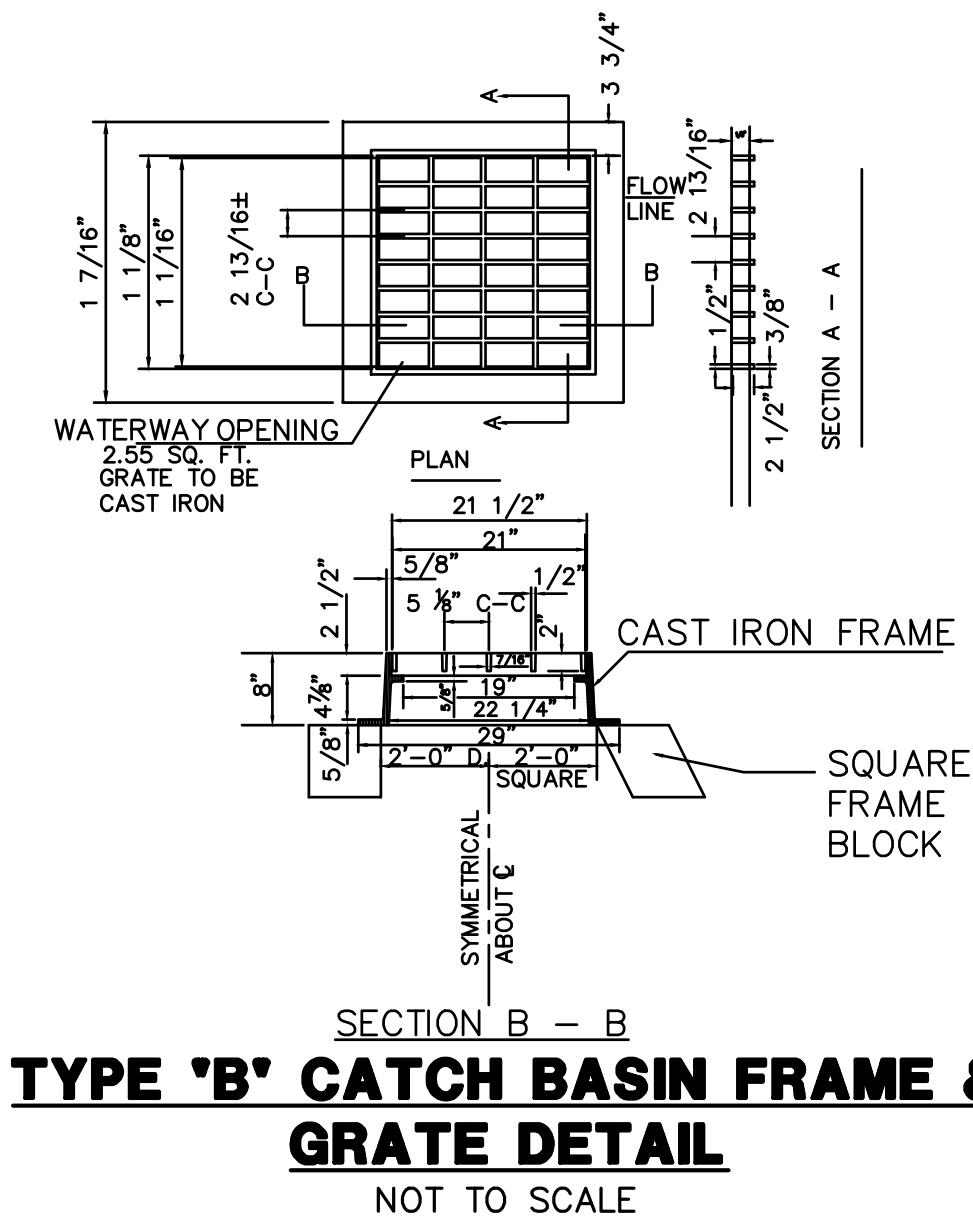
DRAINAGE DETAILS 1



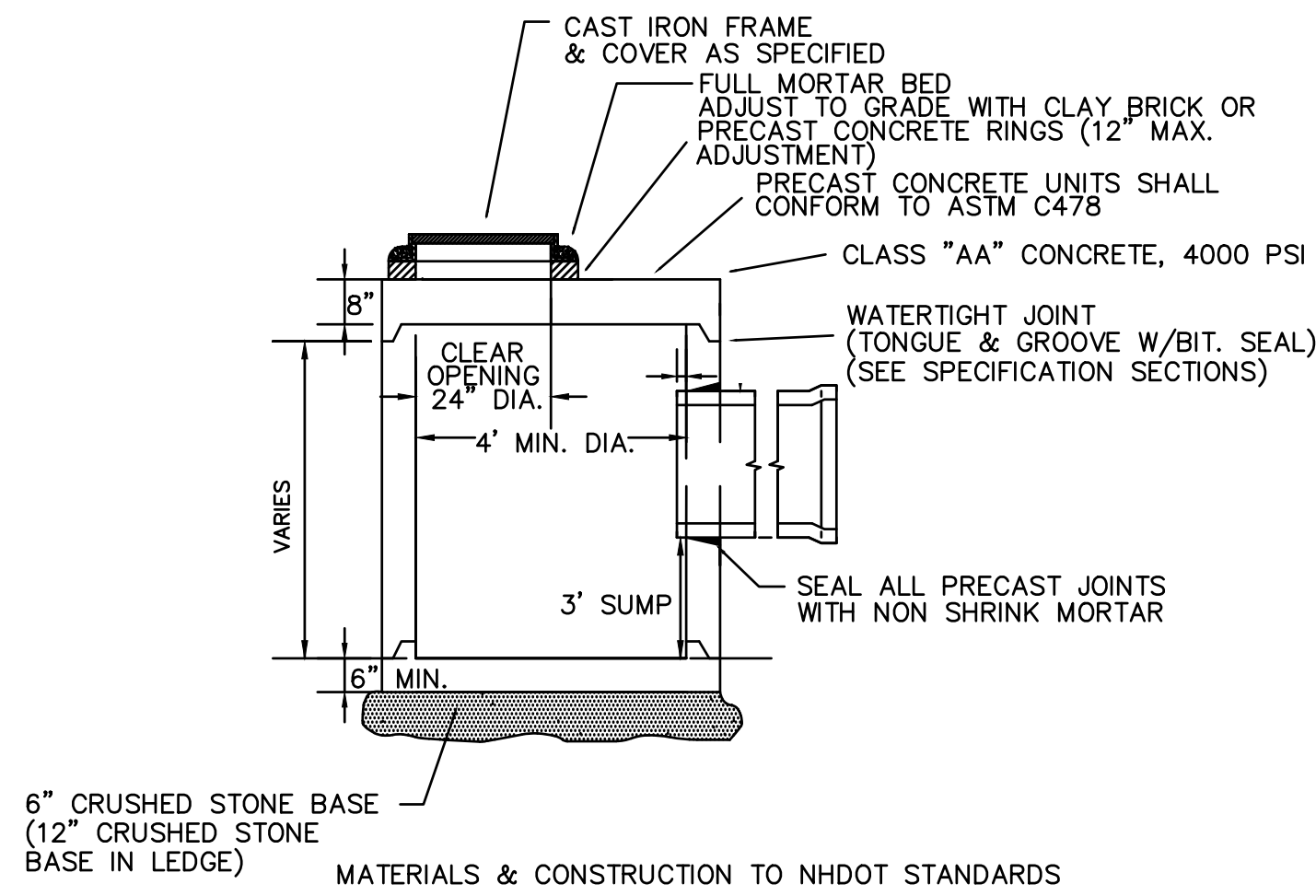
TYPE 'E' CATCH BASIN FRAME & GRATE DETAIL
NOT TO SCALE



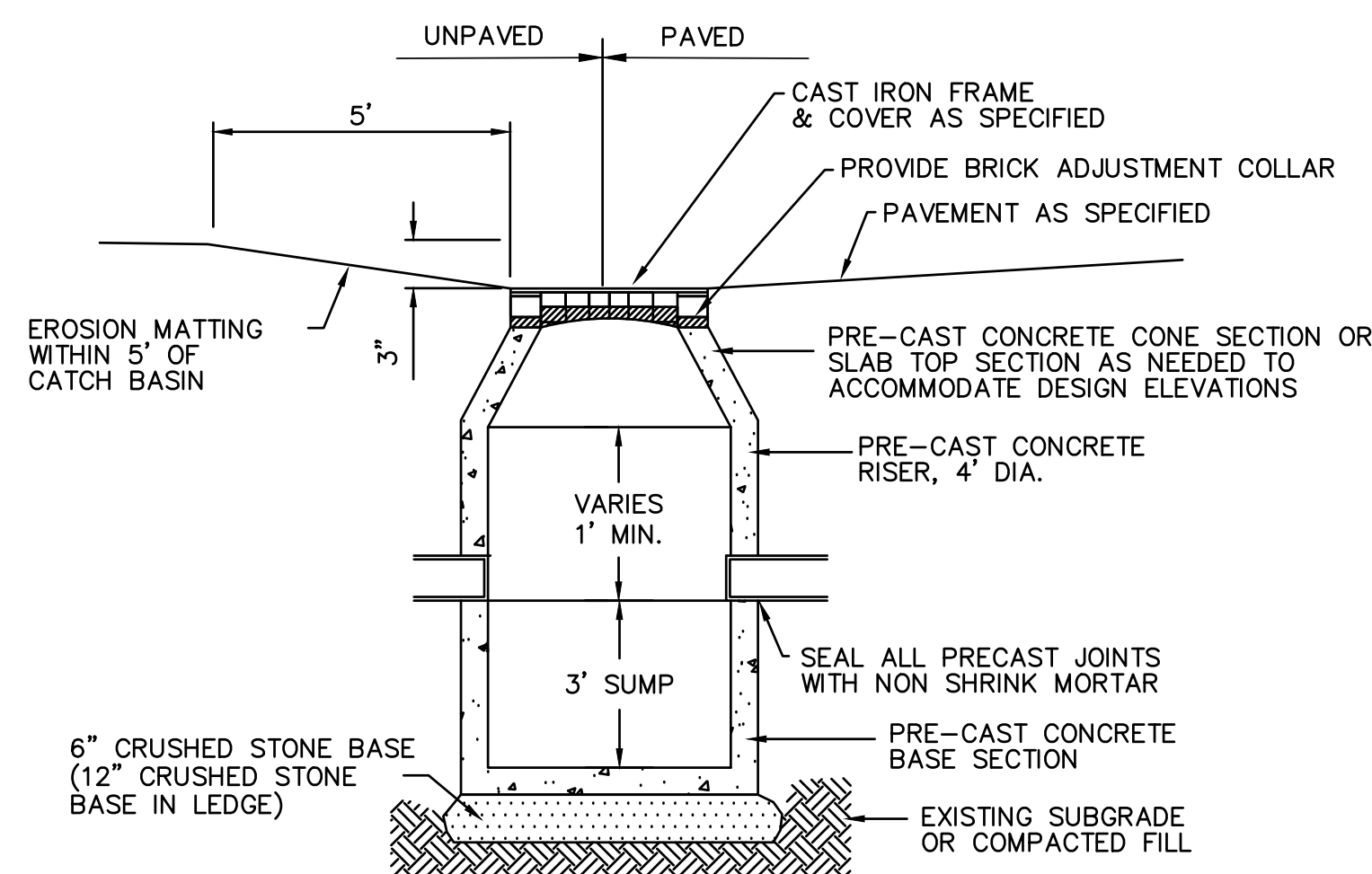
TYPE 'F' CATCH BASIN GRATE DETAIL
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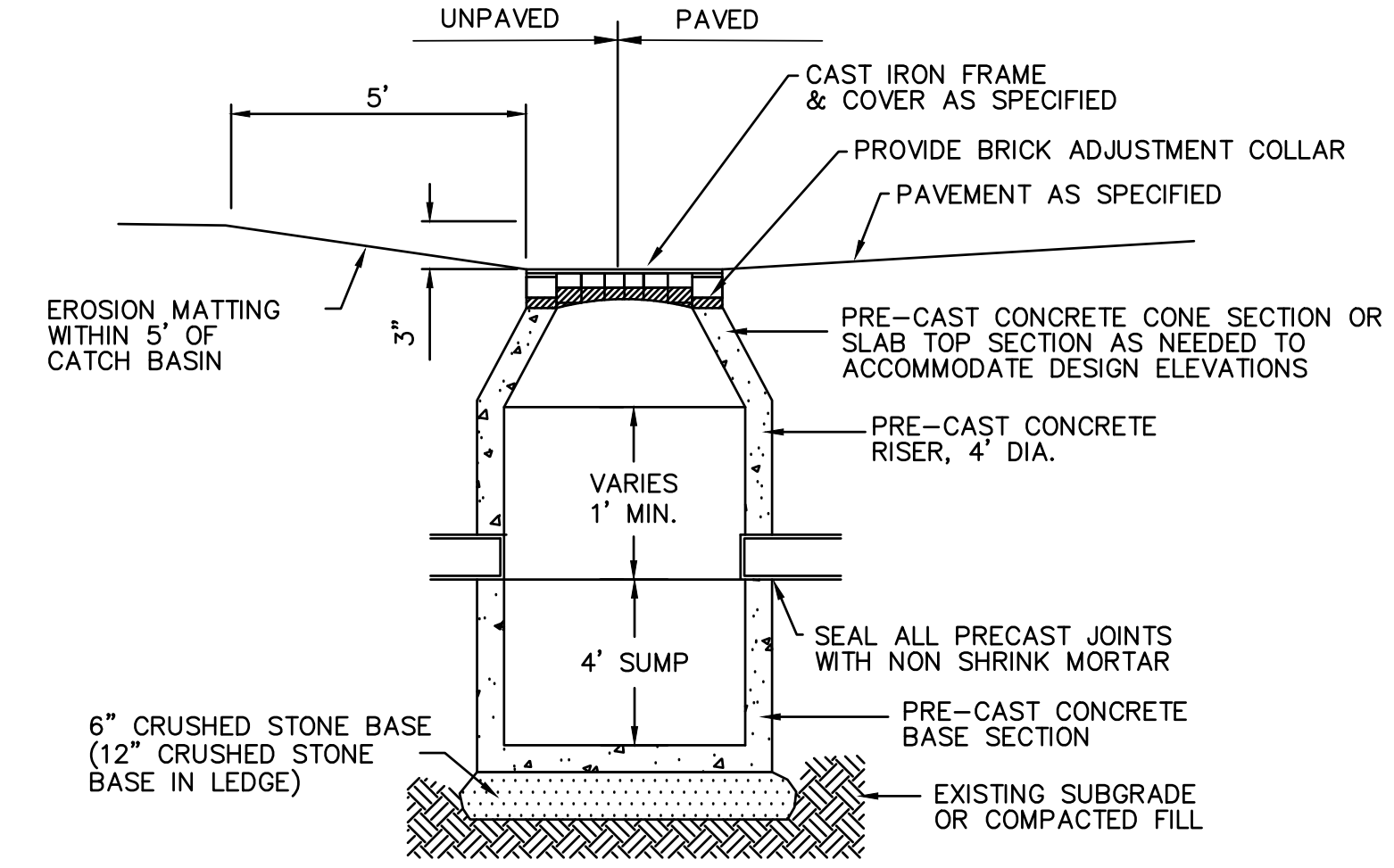
TYPE 'B' CATCH BASIN FRAME & GRATE DETAIL
NOT TO SCALE



TYPICAL SLAB TOP CATCH BASIN DETAIL
NOT TO SCALE

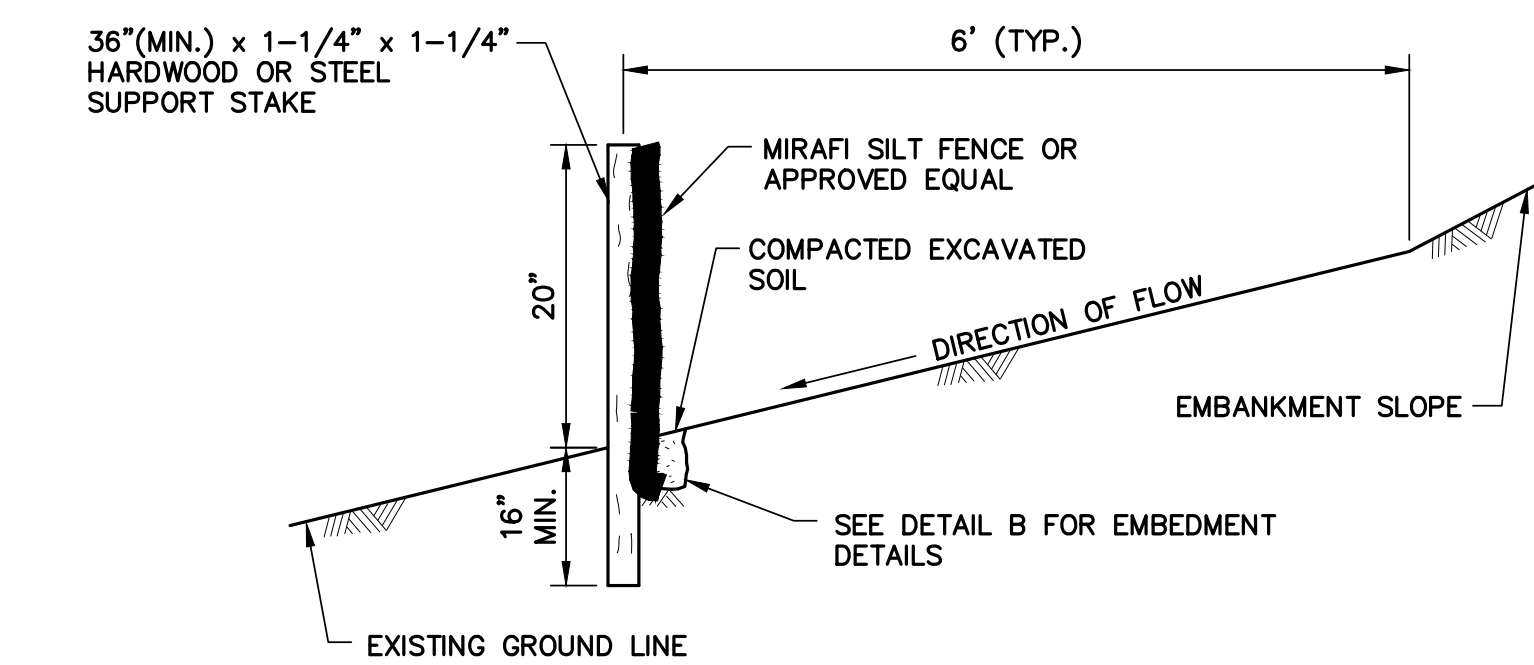


CATCH BASIN DETAIL
NOT TO SCALE

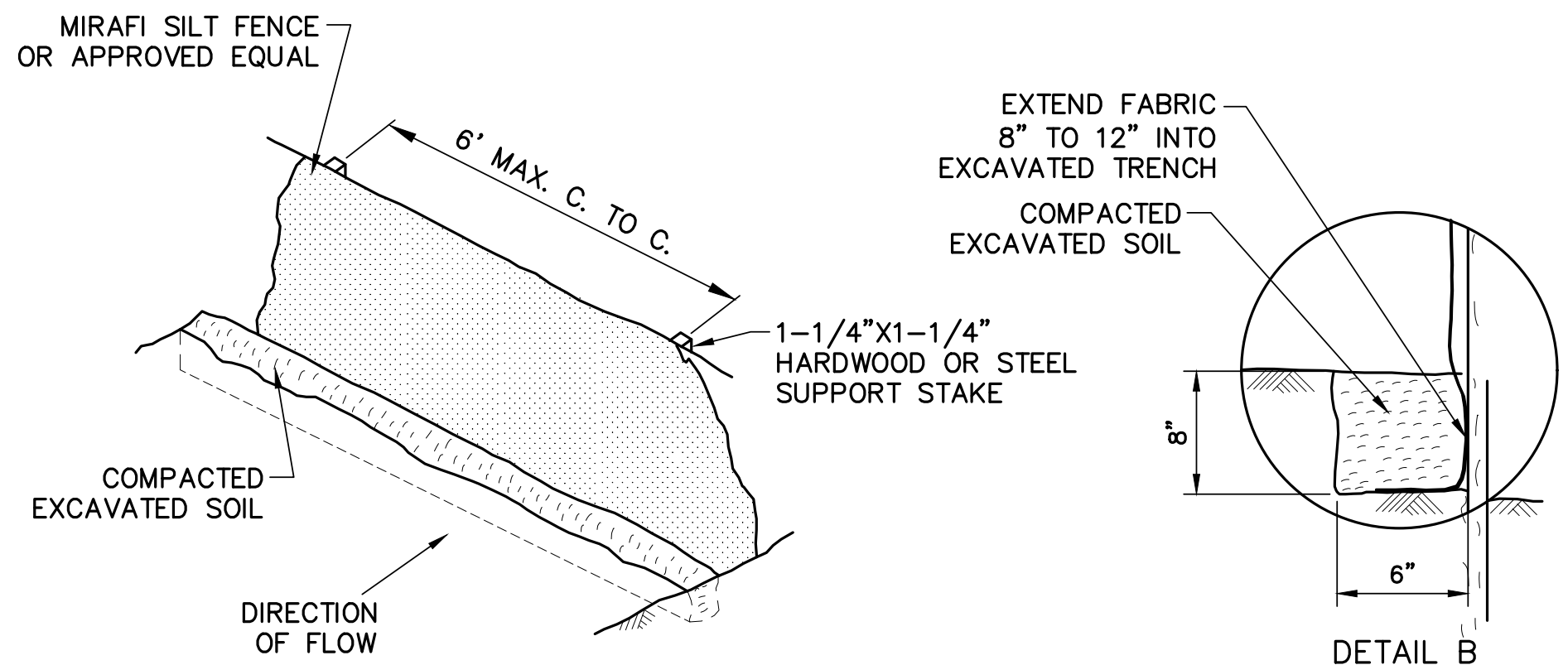


TYPICAL DEEP SUMP CATCH BASIN DETAIL
NOT TO SCALE

HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE	PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110	DRAINAGE DETAILS 2	NO.	DATE	REVISION DESCRIPTION
			SHEET: 10 OF 23	SCALE: AS SHOWN	DATE: AUGUST 8, 2023

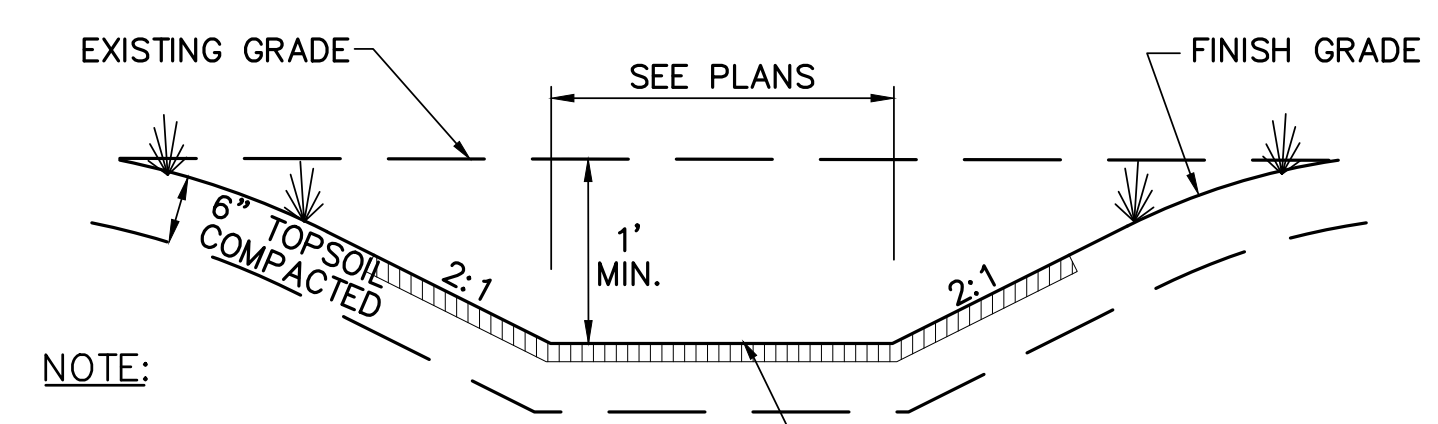


TOE OF SLOPE CONDITION



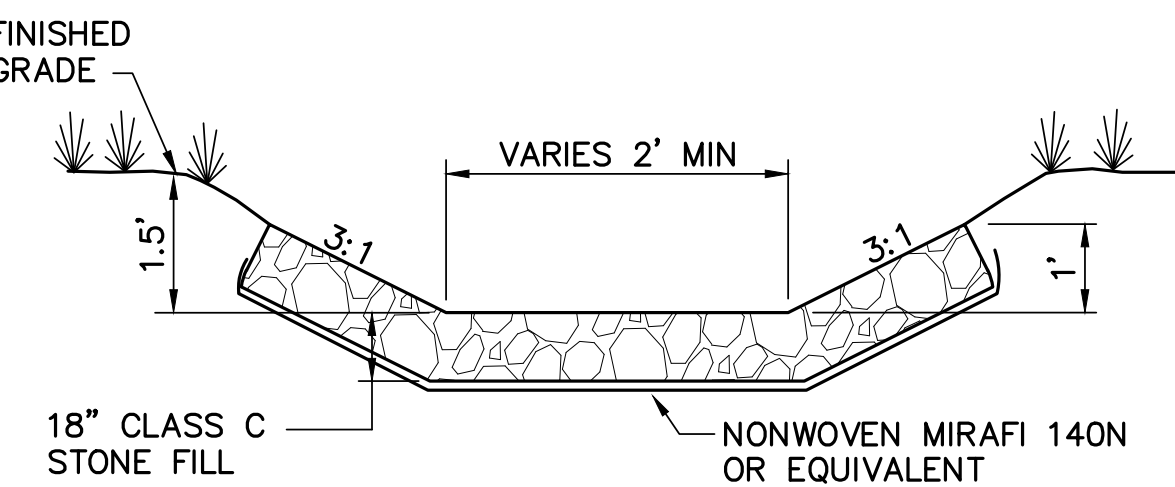
- NOTES:**
1. FILTER FABRIC SILT FENCE MUST BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION MUST BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT.
 2. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH ONE-HALF (1/2) THE ABOVE GROUND HEIGHT OF THE FENCE.
 3. ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.

FILTER FABRIC SILT FENCE
NOT TO SCALE



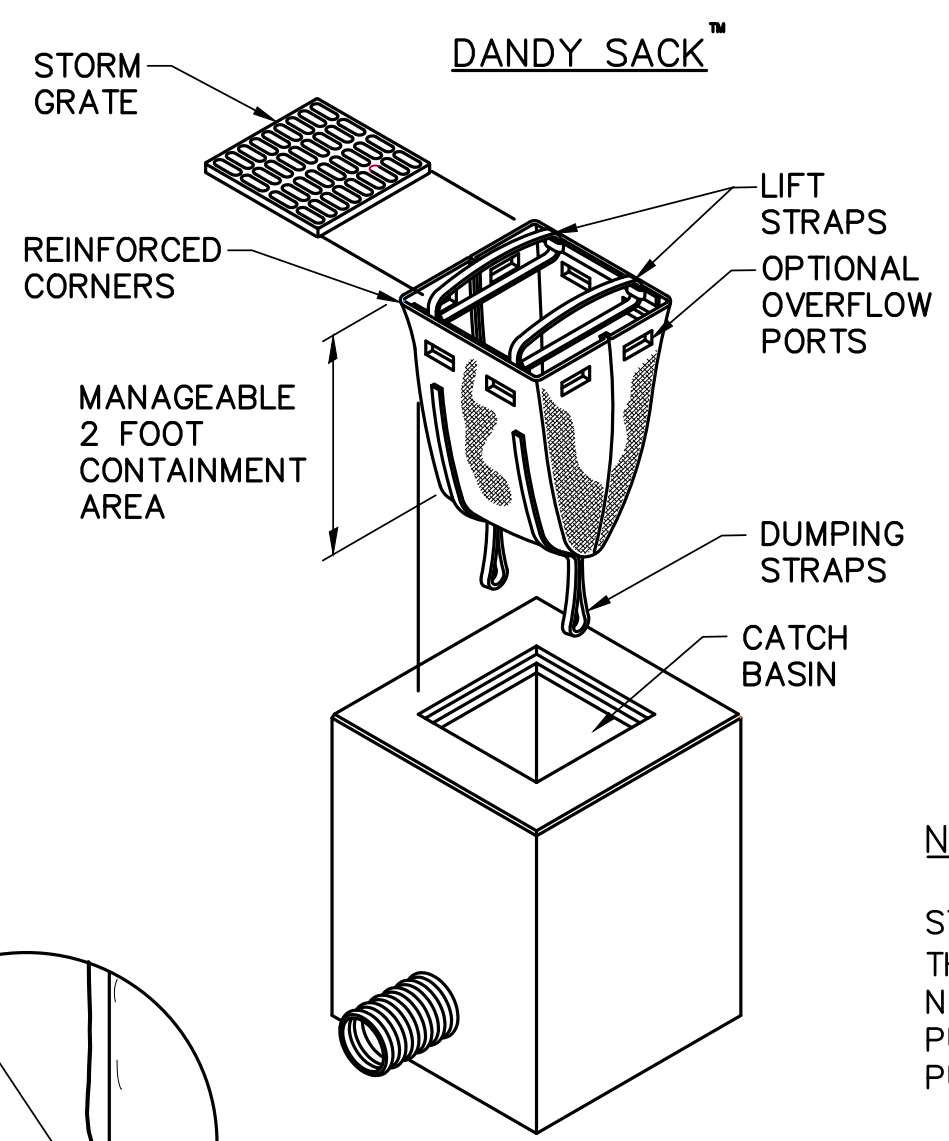
- NOTE:**
- FULL VEGETATION OF THE SPECIFIED SEED MIXTURE SHALL BE ESTABLISHED TO PROVIDE PROPER EROSION PROTECTION.

GRASS-LINED SWALE
NOT TO SCALE

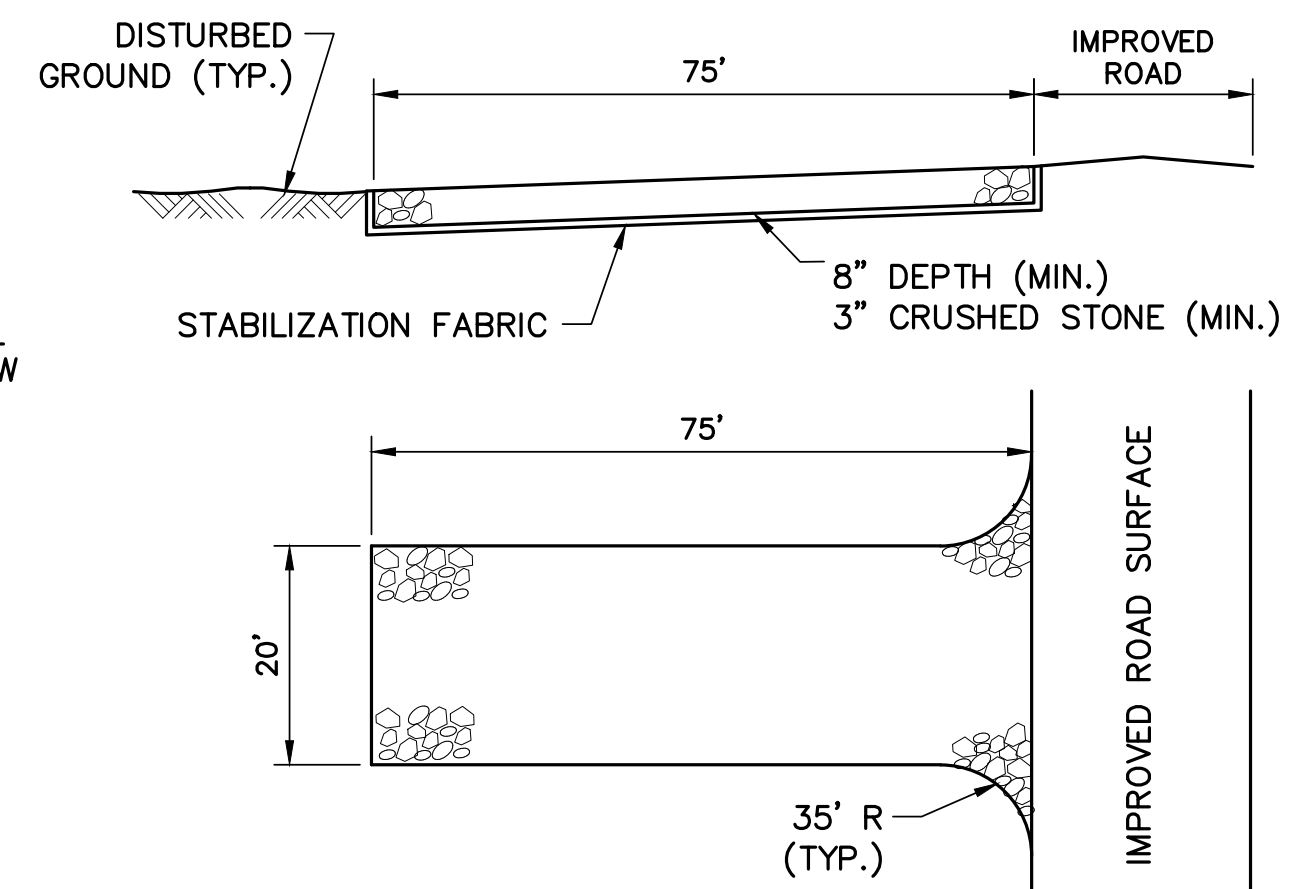


- NOTES:**
1. STONE APRONS USE SIMILAR DIMENSIONS (MIN. 10' LENGTH).
 2. ALL STONE FILL SHALL MEET NHDOT STANDARDS.

STONE-LINED SWALE
NOT TO SCALE

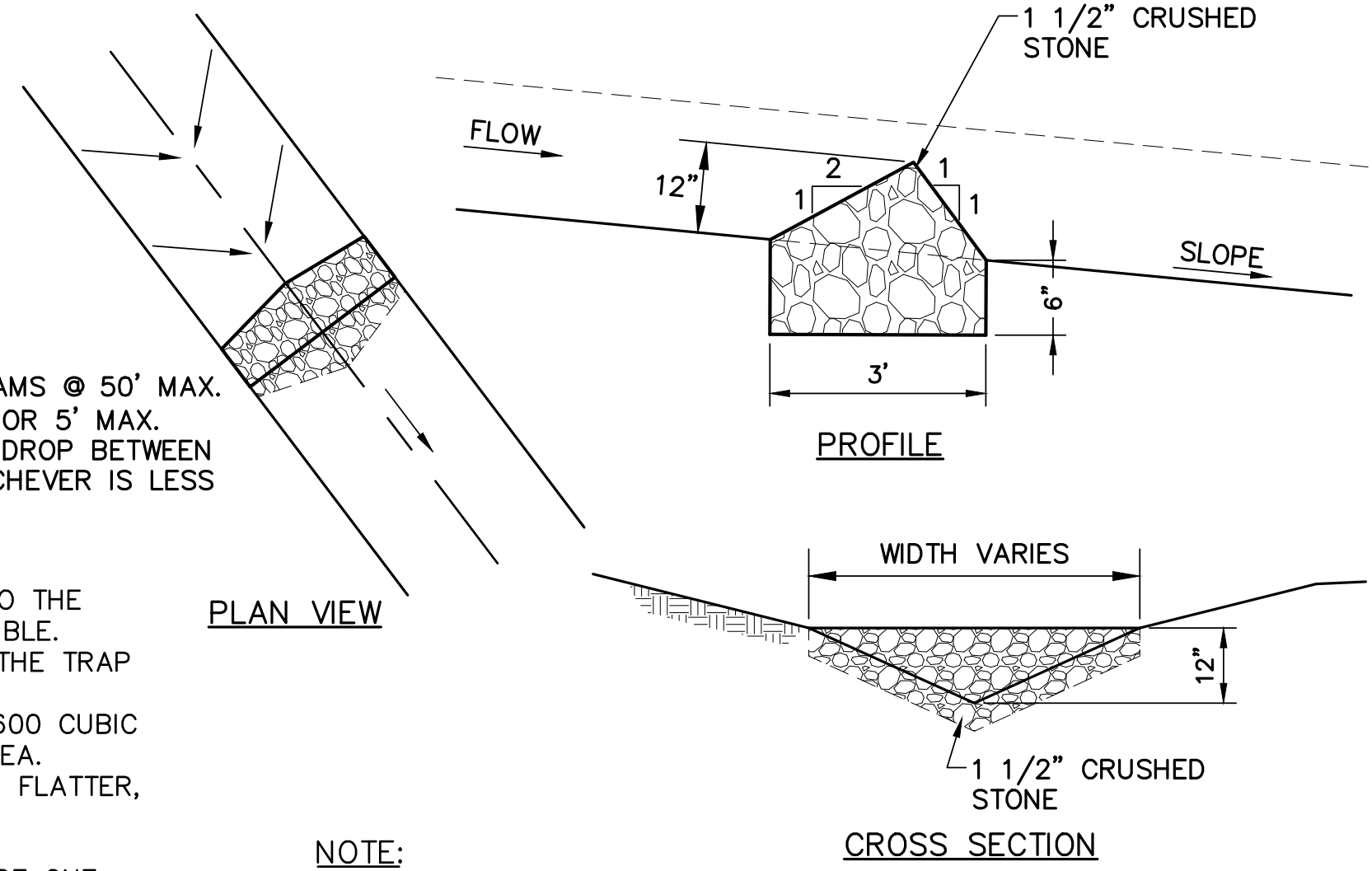


DANDY SACK
NOT TO SCALE



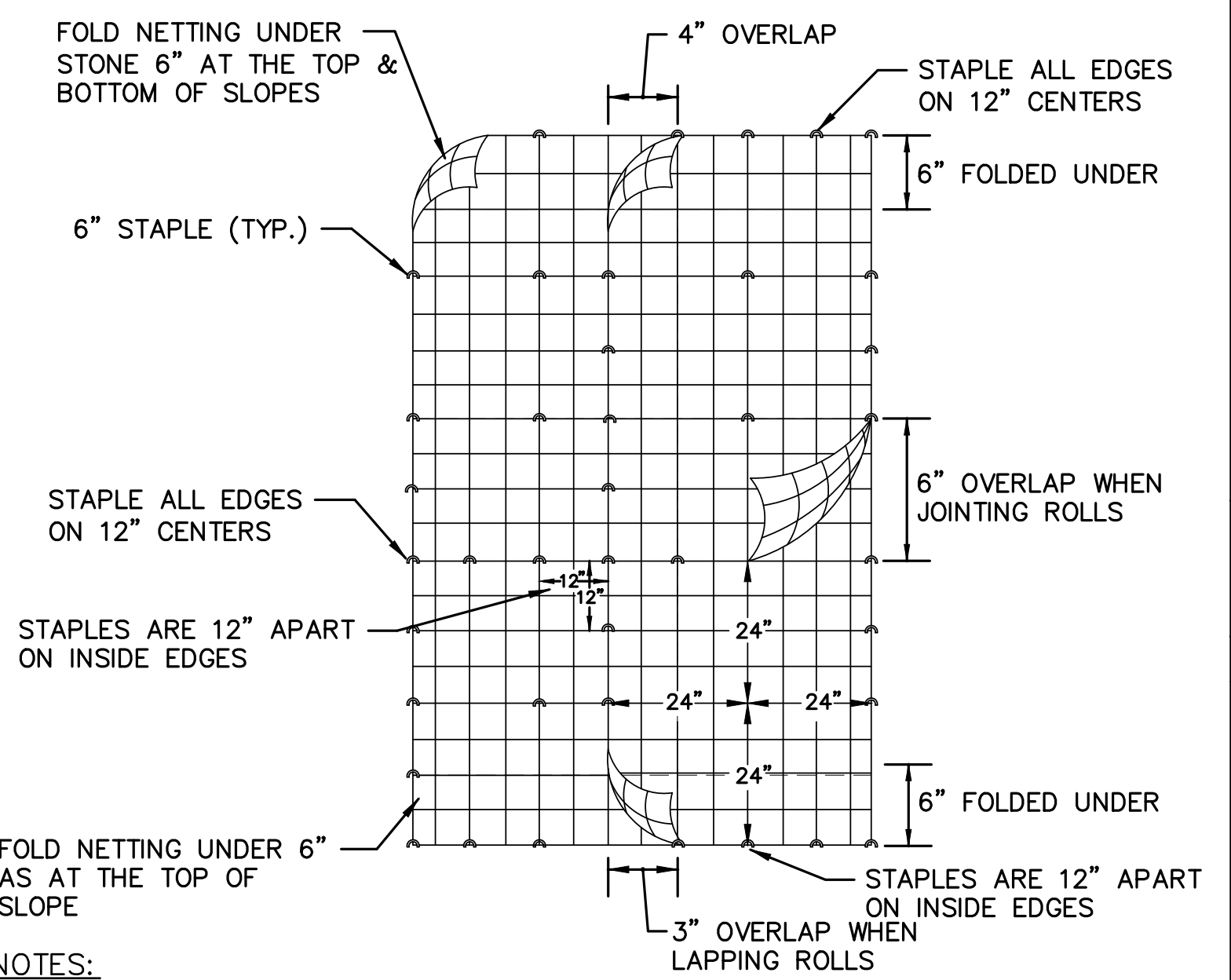
- NOTE:**
- STABILIZED CONSTRUCTION ENTRANCE THICKNESS WILL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING NEW ROCK AND REMOVING "CLOGGED" ROCK AS NECESSARY. A STOCKPILE OF ROCK MATERIAL WILL BE STORED ON THE SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



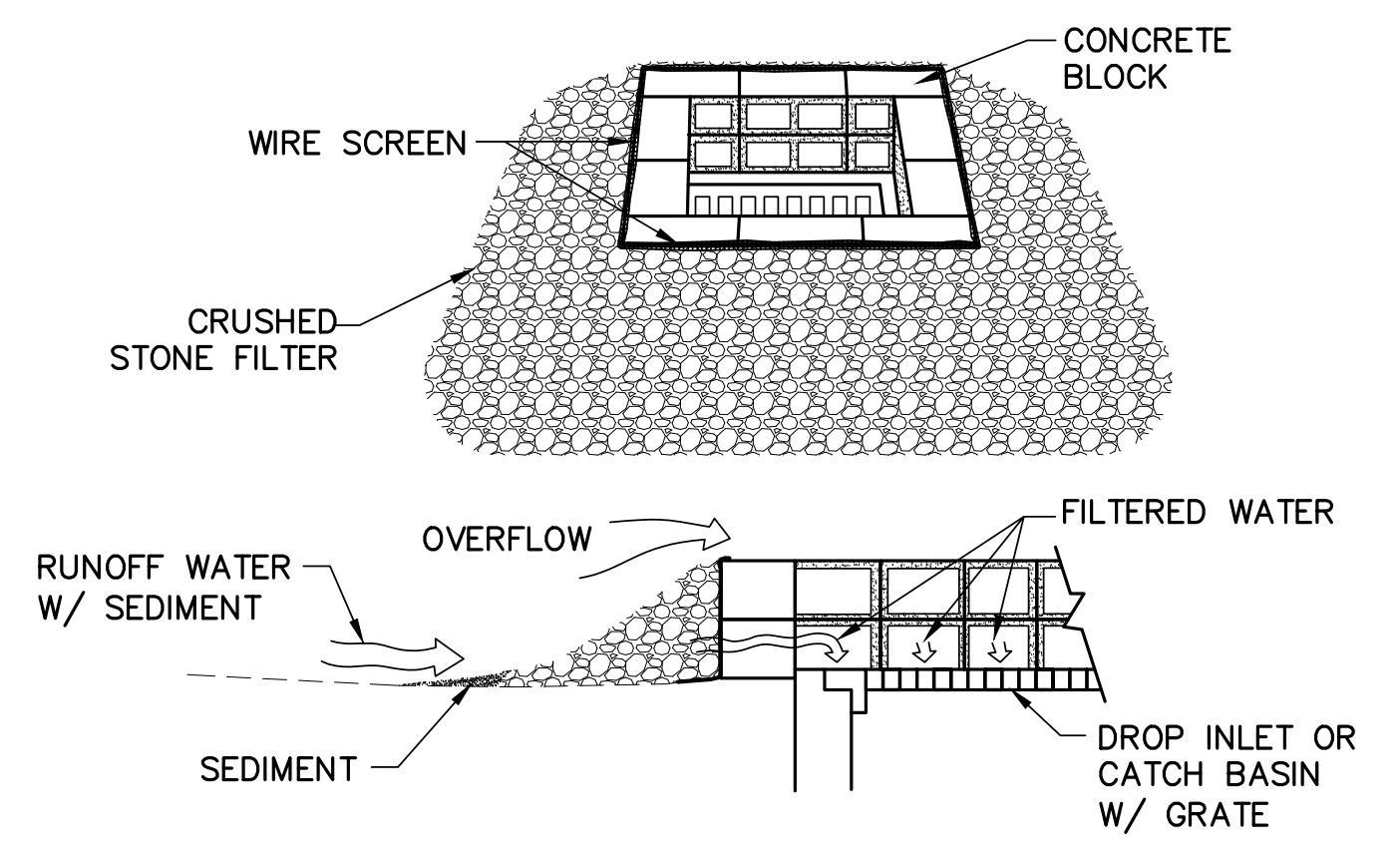
- NOTE:**
- AN ALTERNATE MAY UTILIZE A PIECE OF SILT FENCE ON THE DOWNSTREAM END OF THE CHECK DAM AT THE DISCRETION OF THE EROSION CONTROL PLAN PREPARER.

STONE GRADE STABILIZATION (CHECK DAM) STRUCTURES
NOT TO SCALE



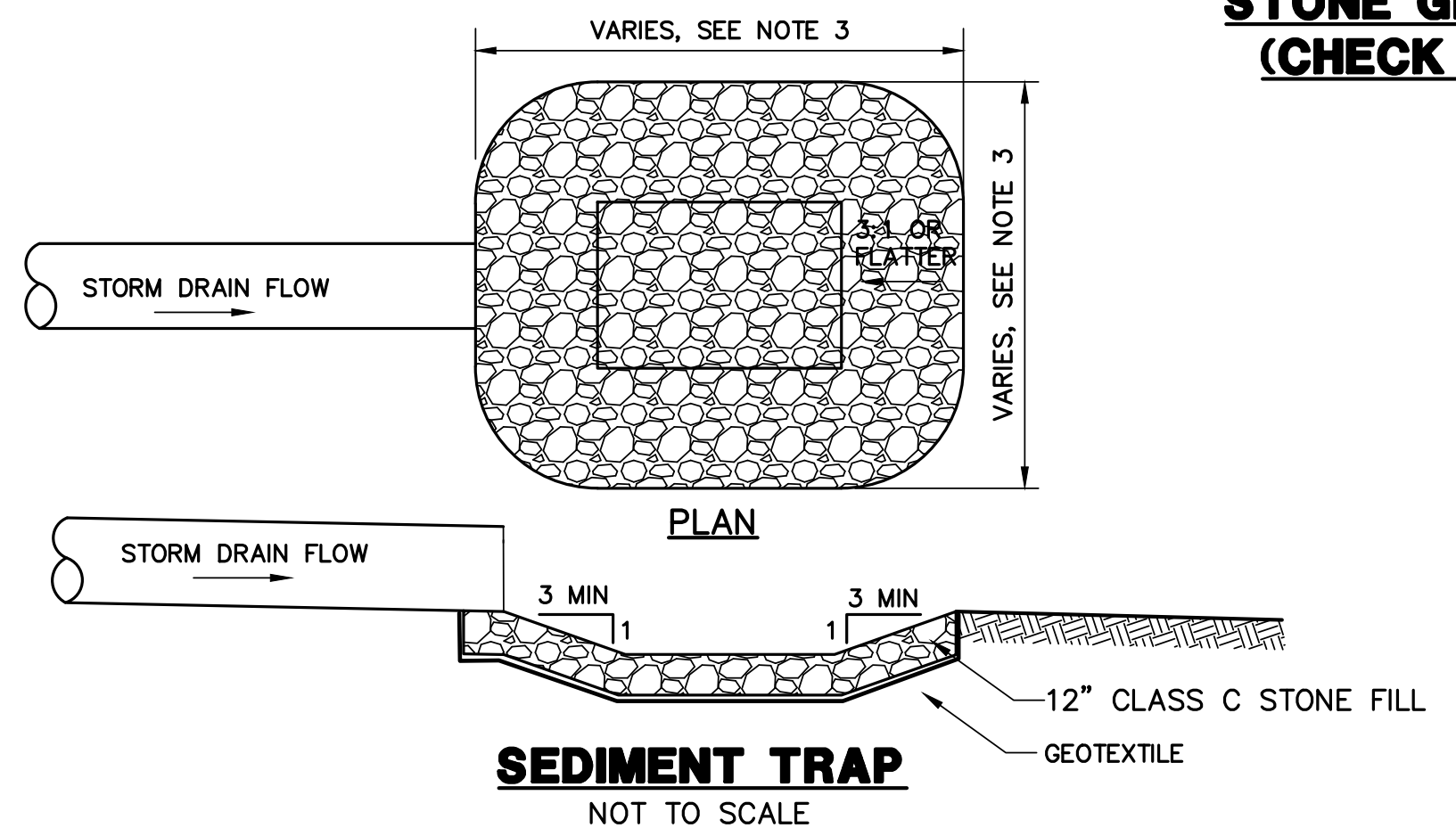
- NOTES:**
1. NO STAPLES TO BE OVER 24" APART CENTER TO CENTER
 2. MATTING SHALL CONSIST OF "WILDLIFE FRIENDLY" OPTIONS SUCH AS NORTH AMERICAN GREEN SC150BN, AMERICAN EXCELSIOR COMPANY AEC PREMIER COCONUT FIBRENET, EAST COAST EROSION BLANKETS, LLC ECC-2B OR EQUIVALENT. WELDED PLASTIC AND PHOTO-BIODEGRADABLE PLASTIC SHALL NOT BE USED.

MULCH NETTING INSTALLATION
NOT TO SCALE



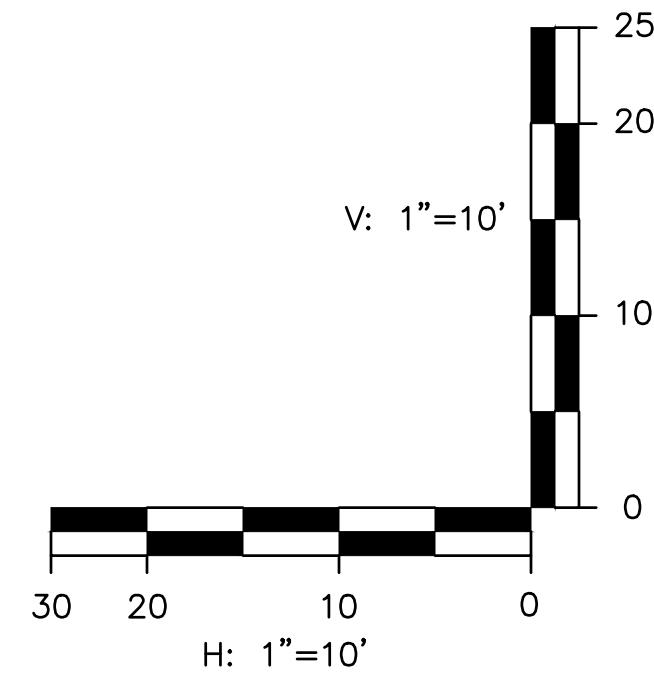
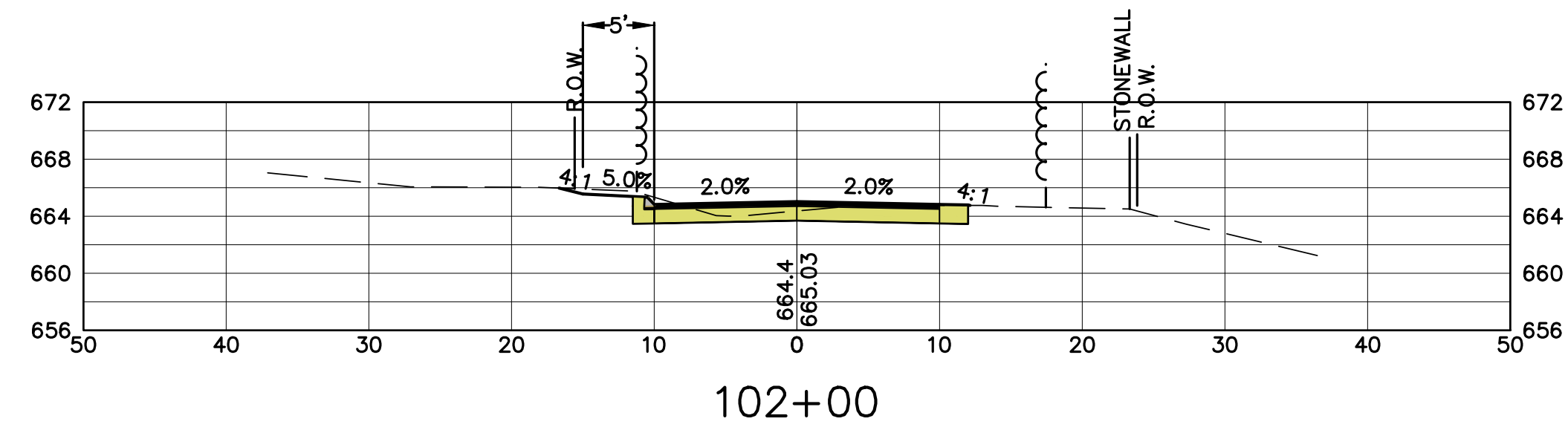
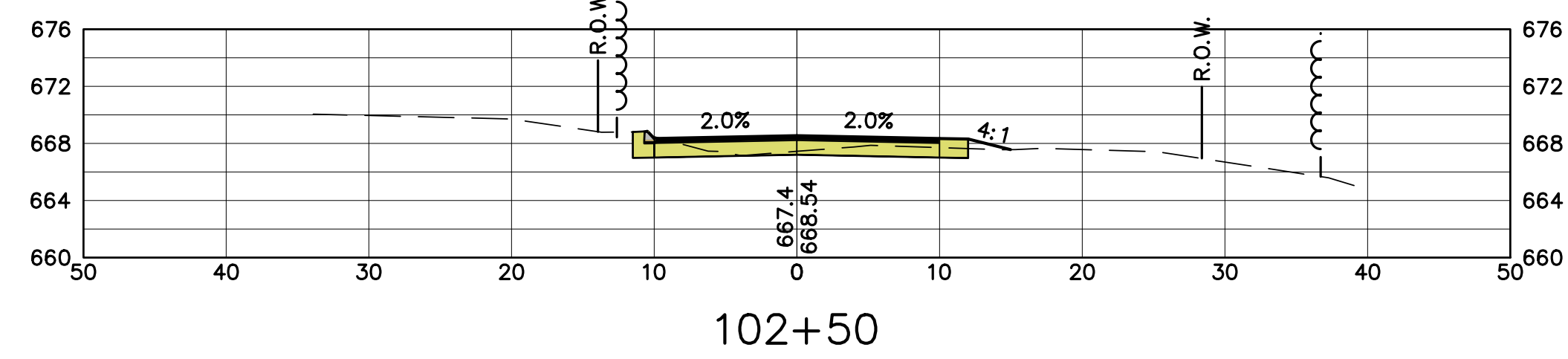
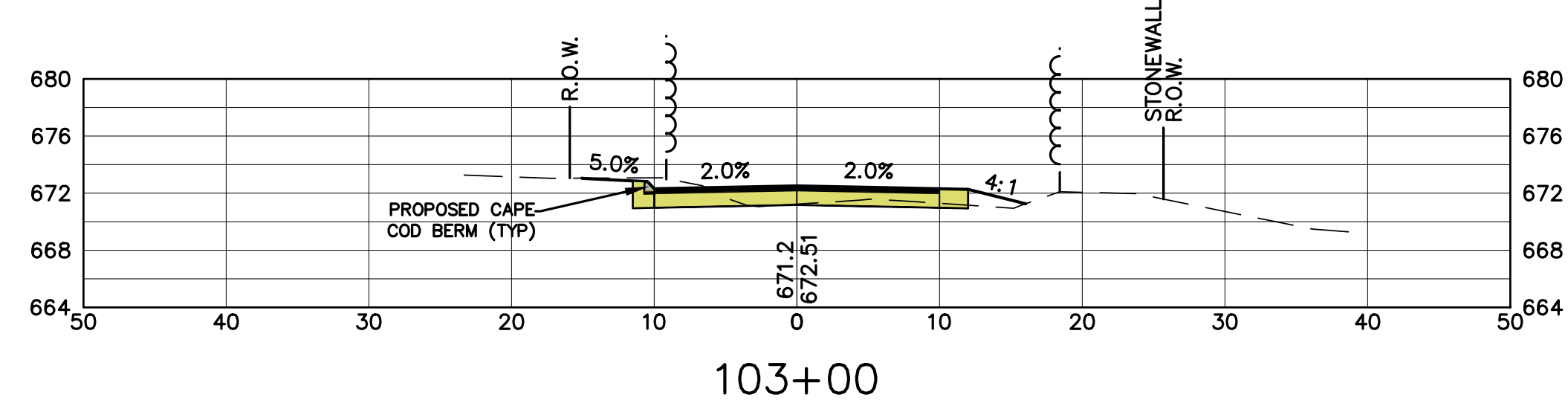
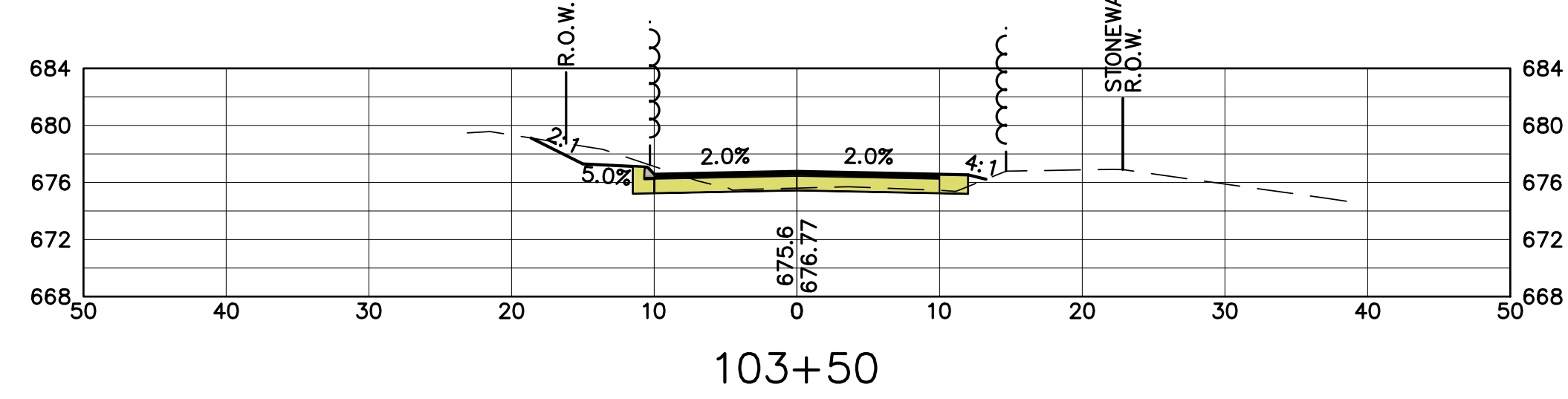
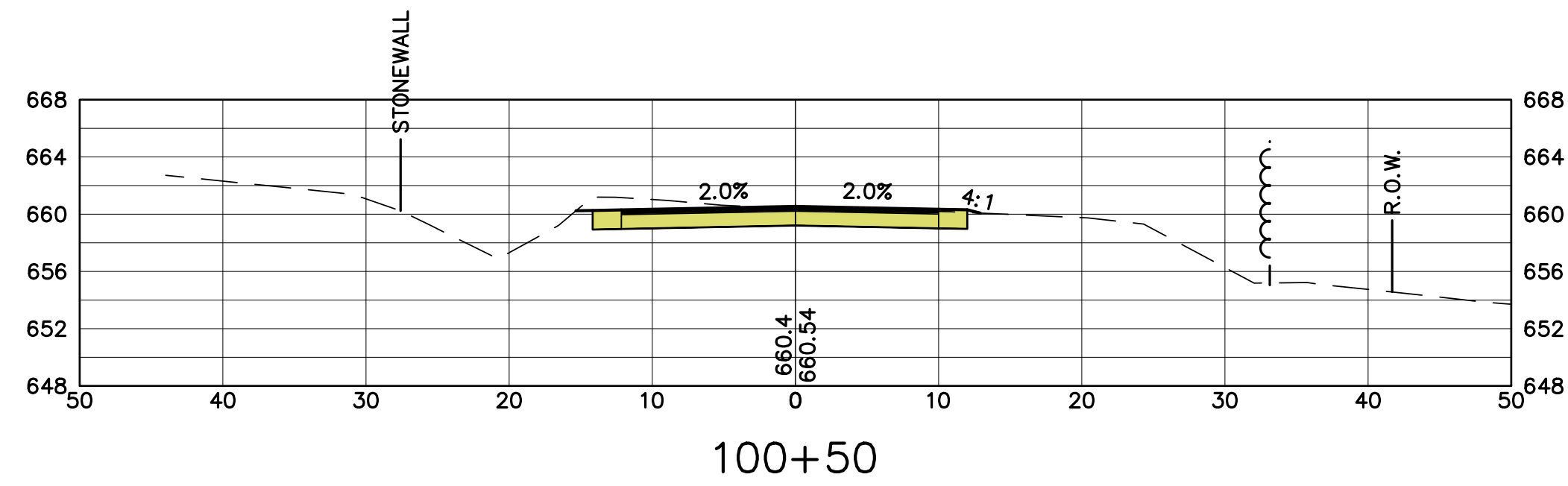
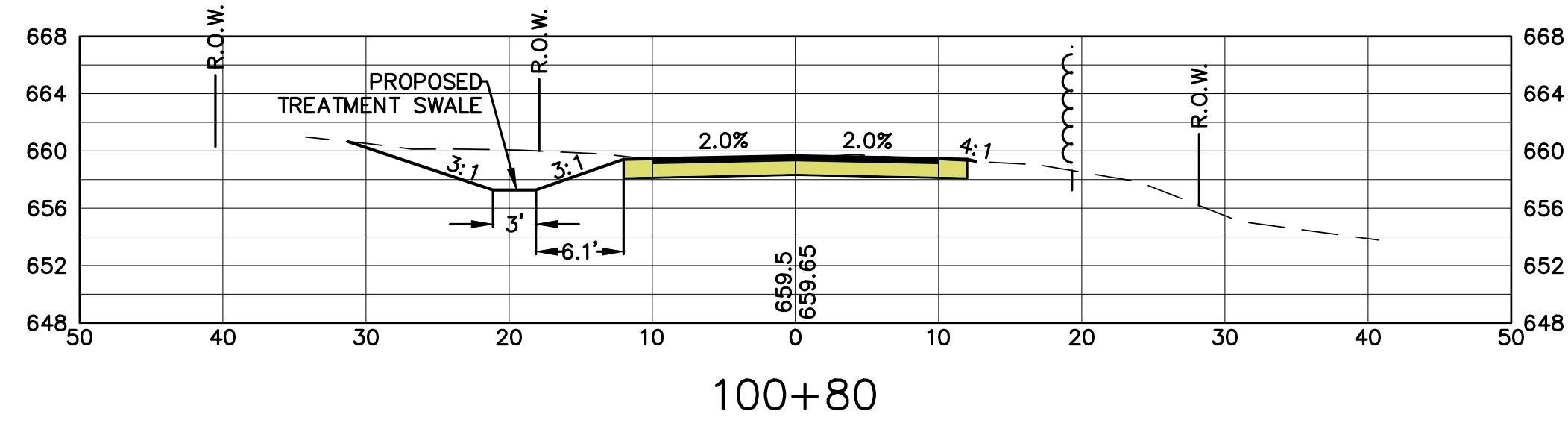
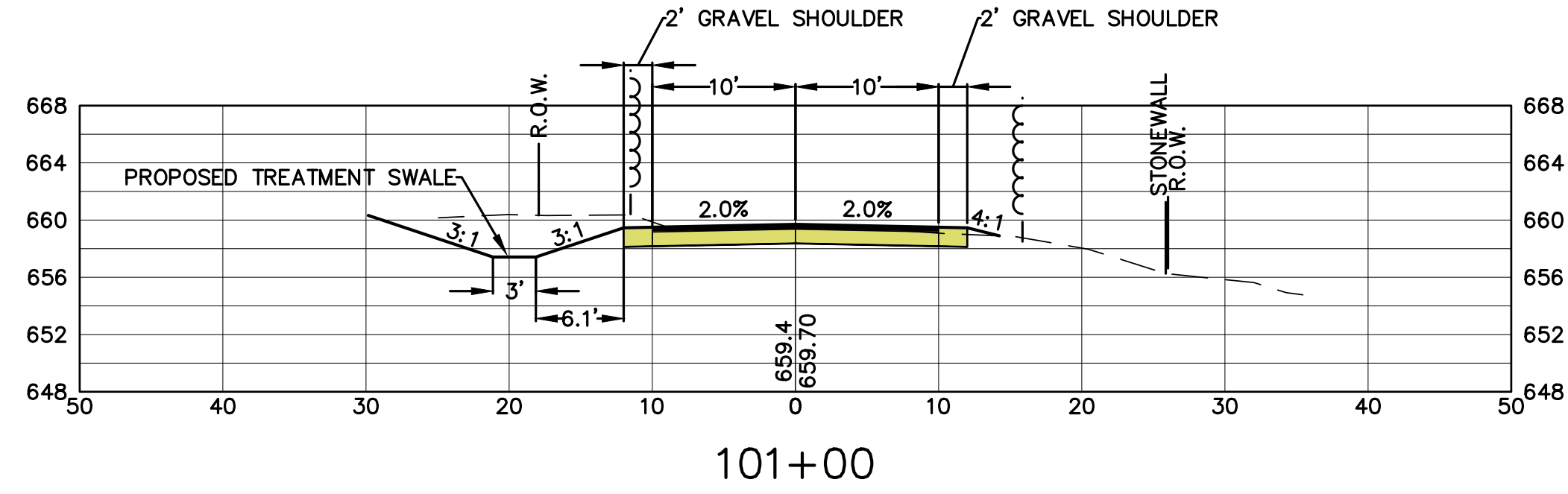
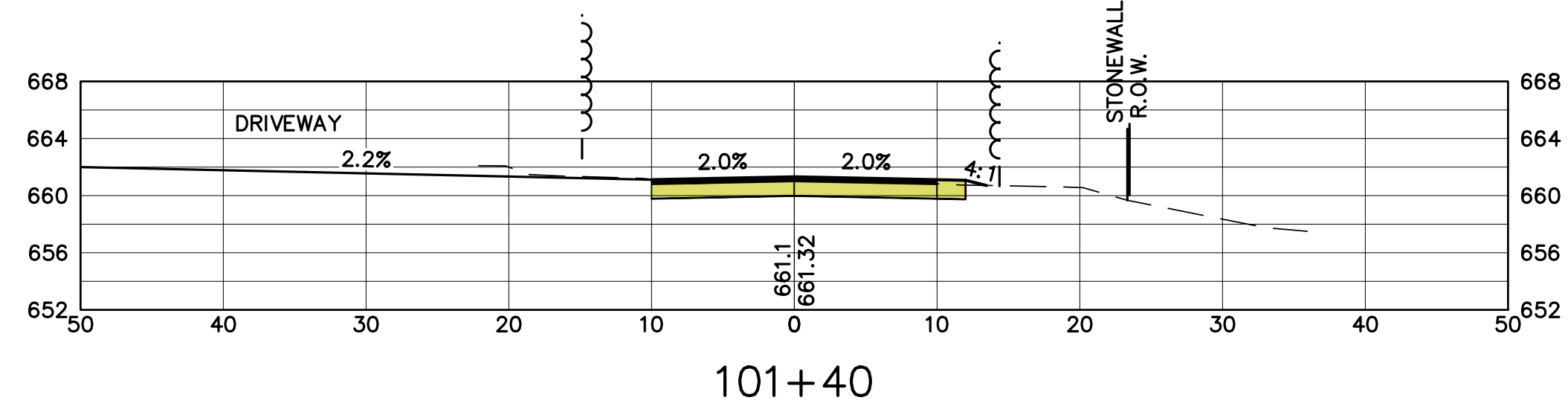
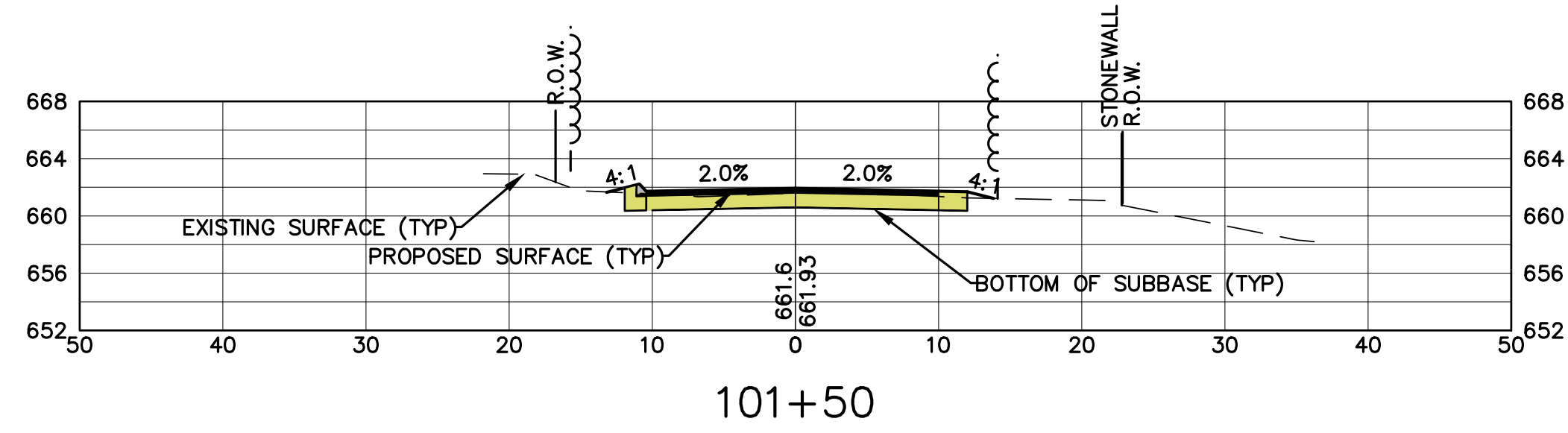
BLOCK & GRAVEL DROP INLET/CATCH BASIN (SEDIMENT FILTER) INLET PROTECTION
NOT TO SCALE

- GENERAL NOTES:**
1. SILT FENCE SHALL CONSIST OF AN APPROVED PREFABRICATED SILT FENCE WITH FABRIC ATTACHED TO POSTS AND SHALL BE ASSEMBLED IN THE FIELD ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. WIRE MESH REINFORCEMENT AND/OR CLOSER POST SPACING MAY BE ORDERED BY THE ENGINEER IN AREAS WHERE HIGH RUNOFF VOLUMES ARE ANTICIPATED, OR LOW SPOTS WHERE SEDIMENT WILL BE COLLECTED.
 2. PRIOR TO BEGINNING EARTHWORK OPERATIONS AT LOCATIONS DIRECTED BY THE ENGINEER, SILT FENCE SHALL BE CONSTRUCTED ALONG THE TOE OF PROPOSED EMBANKMENT AT THE LIMITS OF CLEARING.

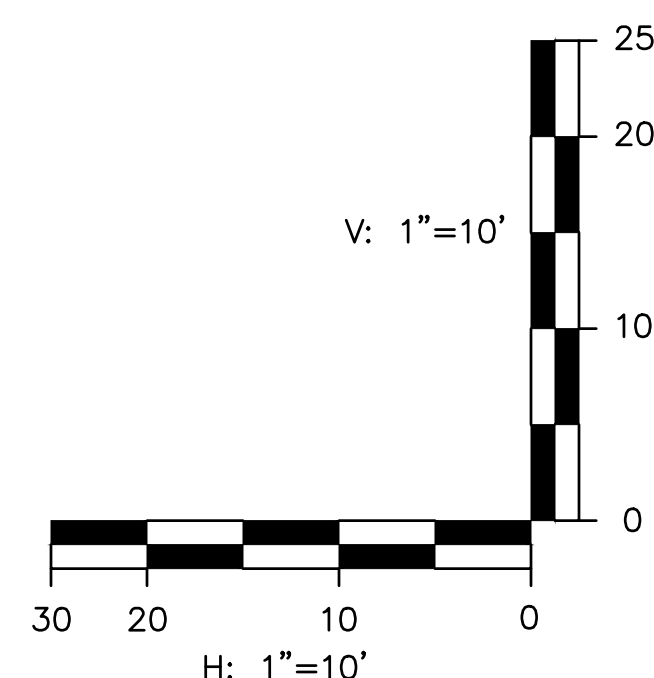
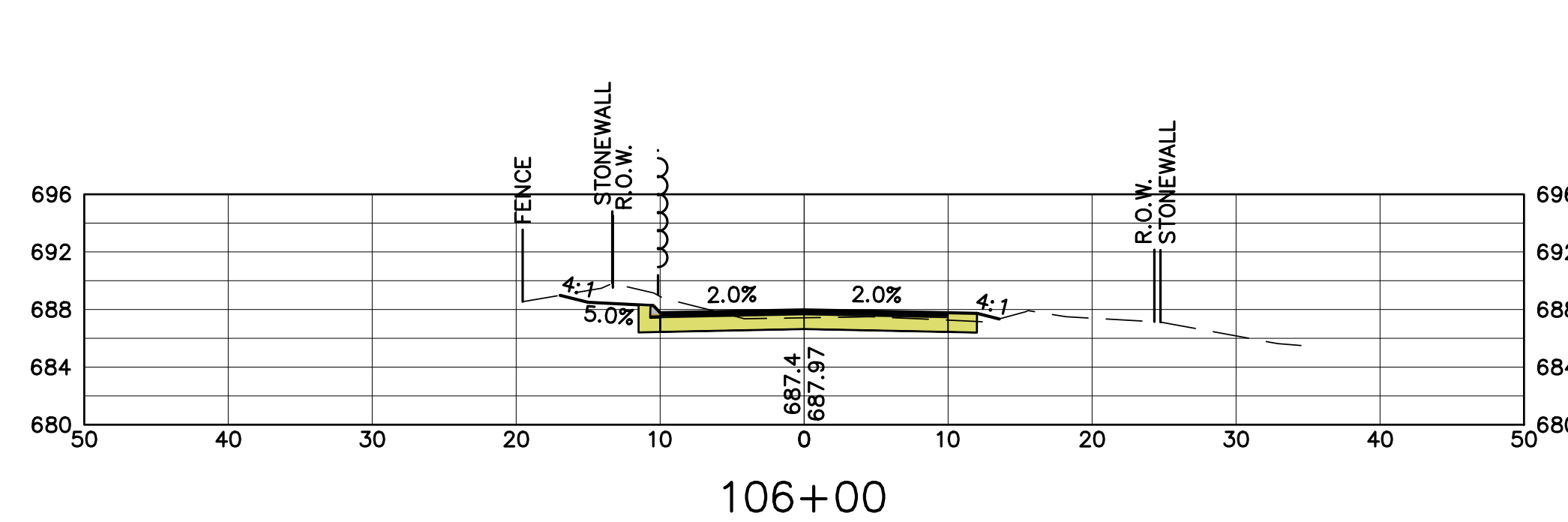
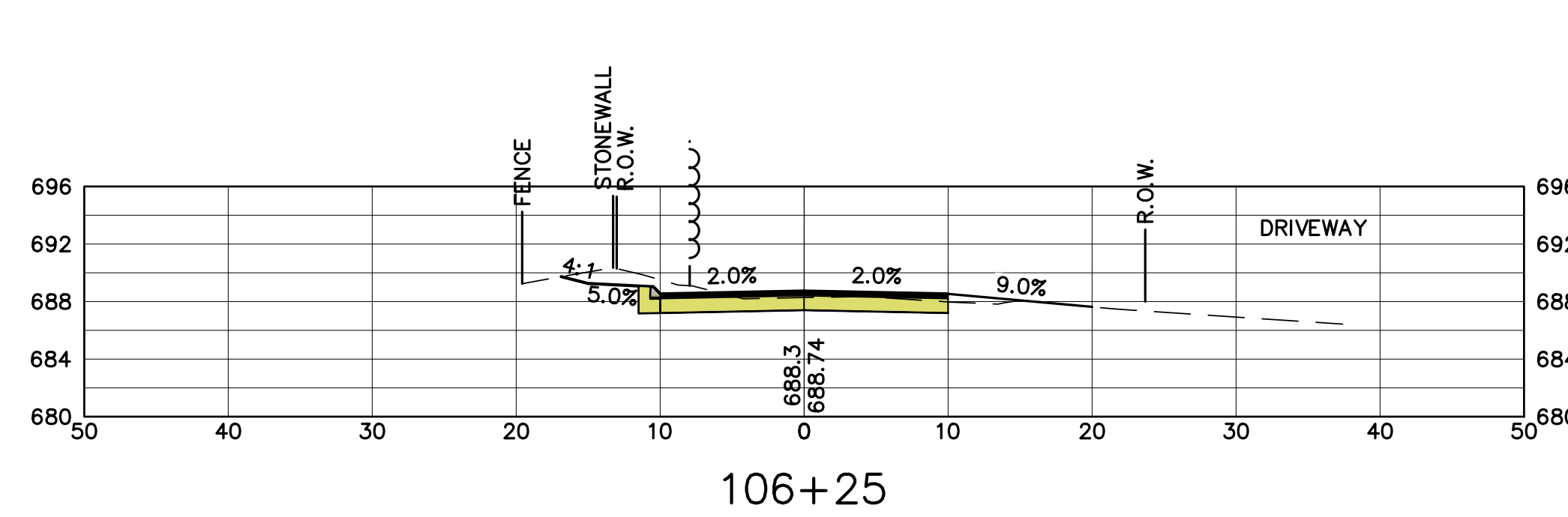
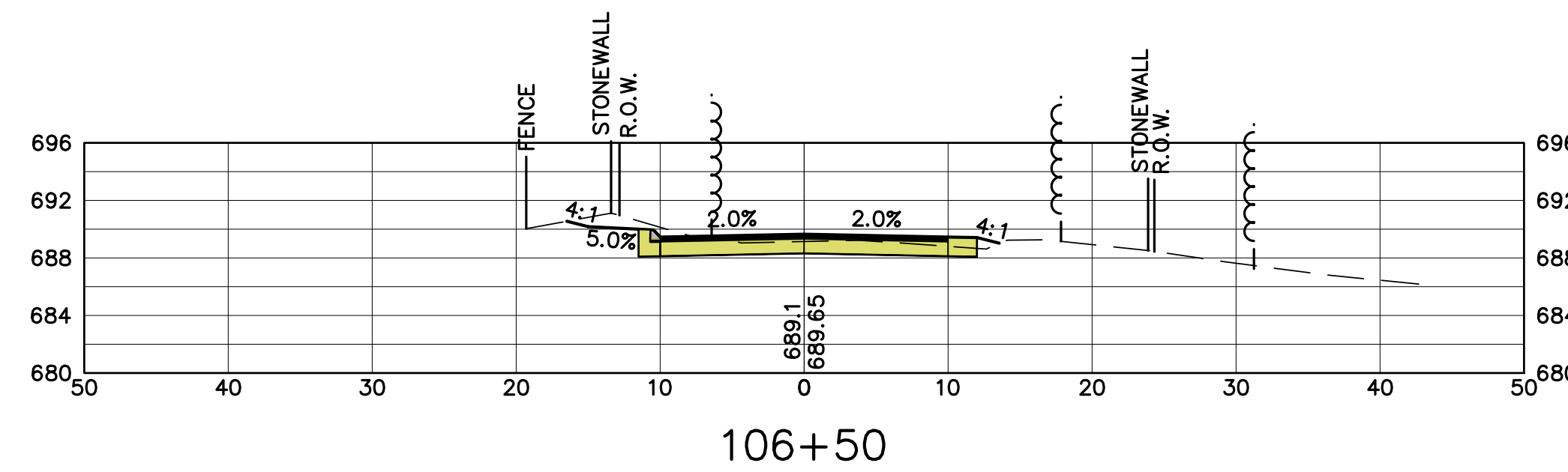
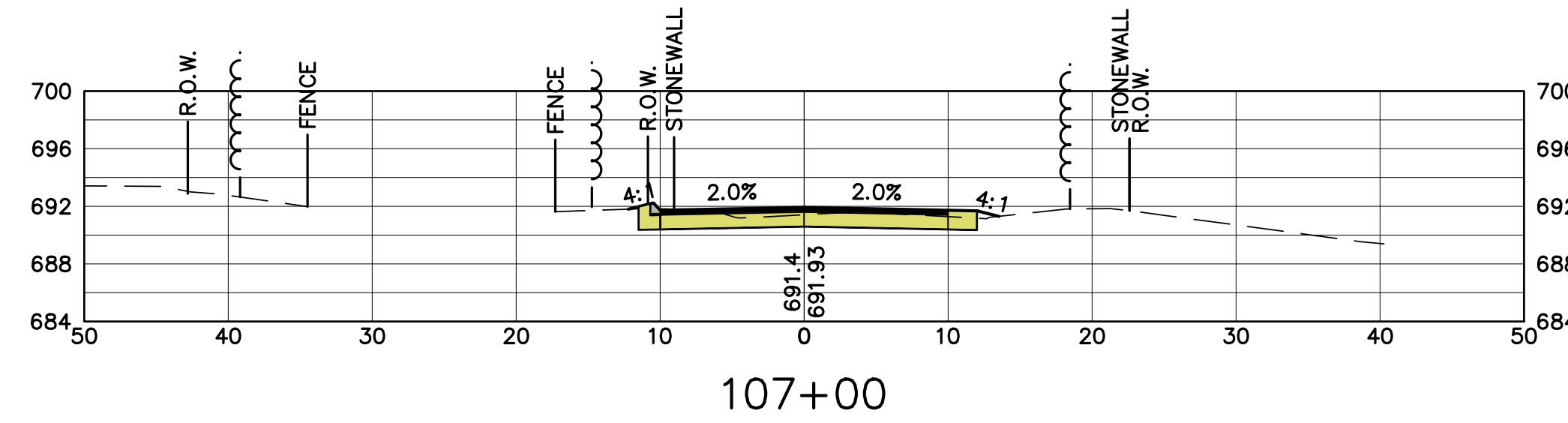
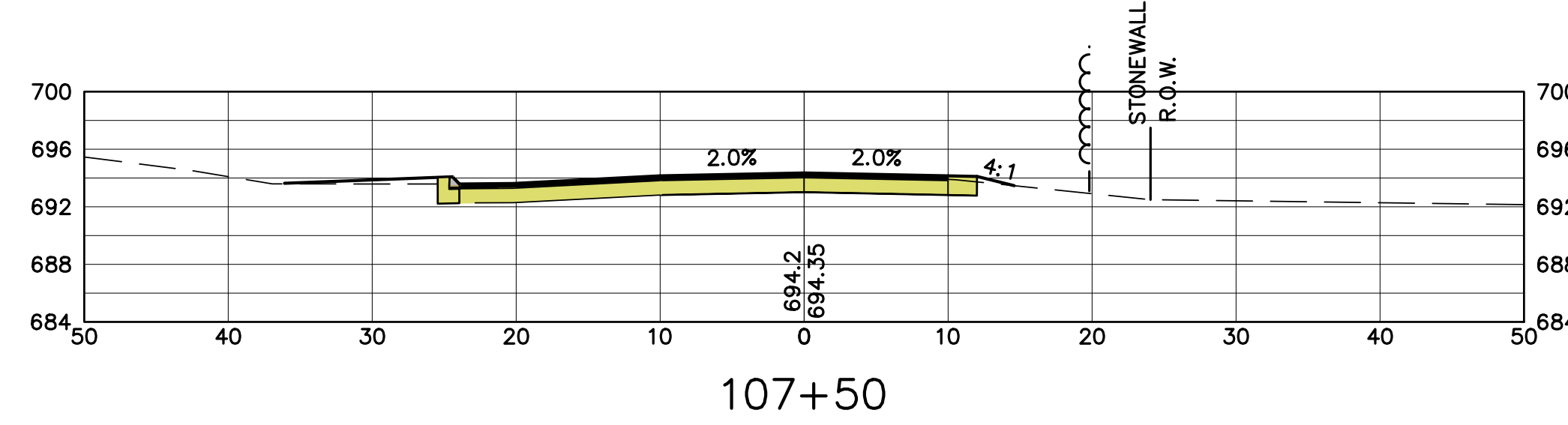
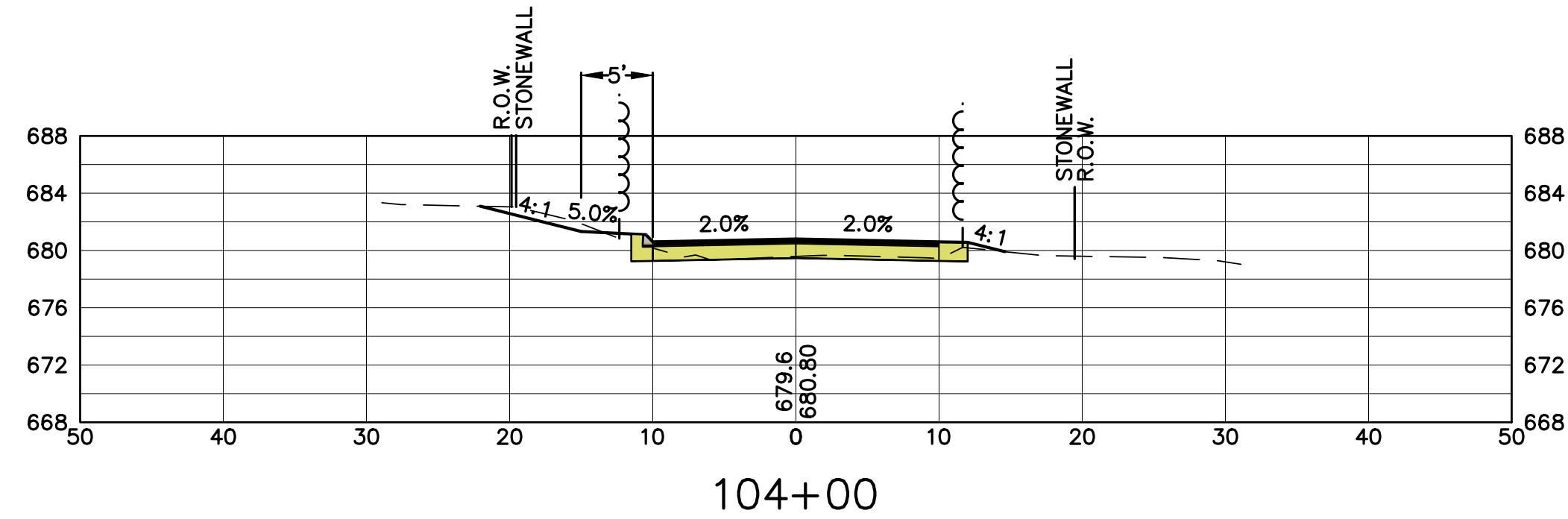
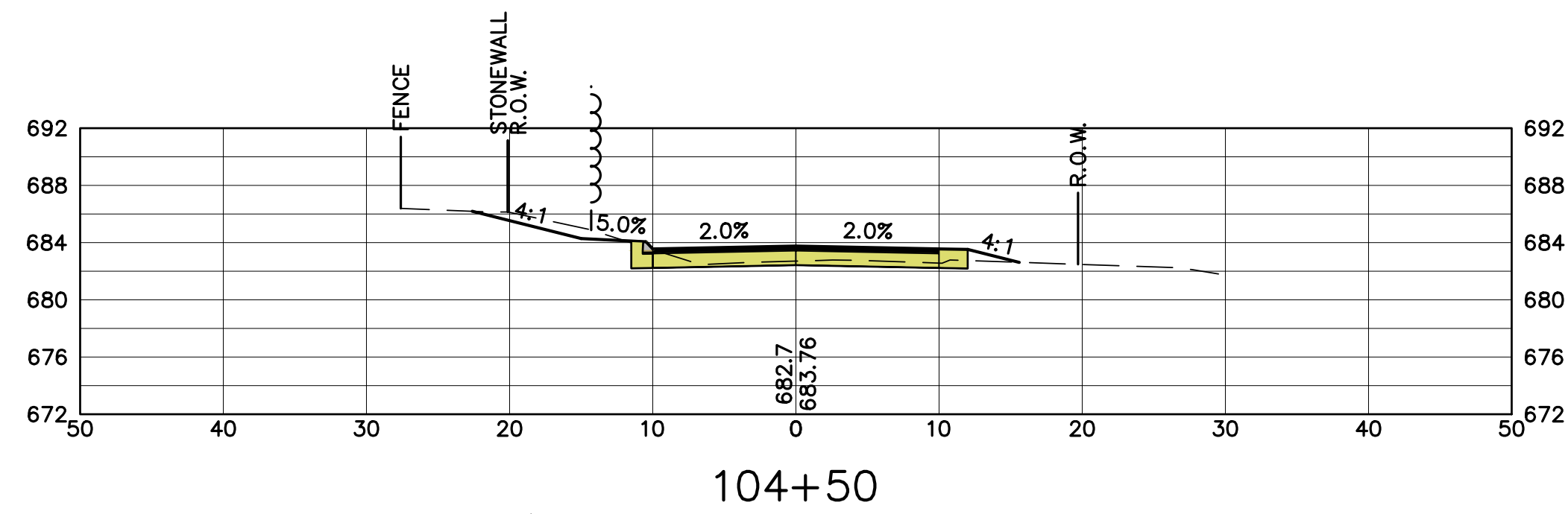
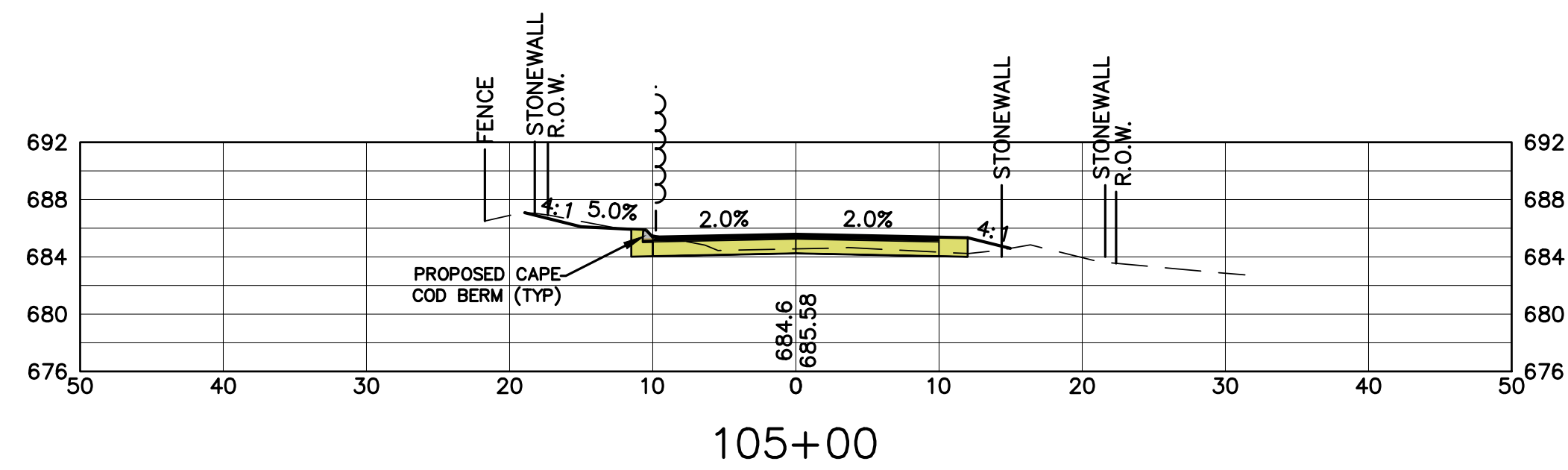
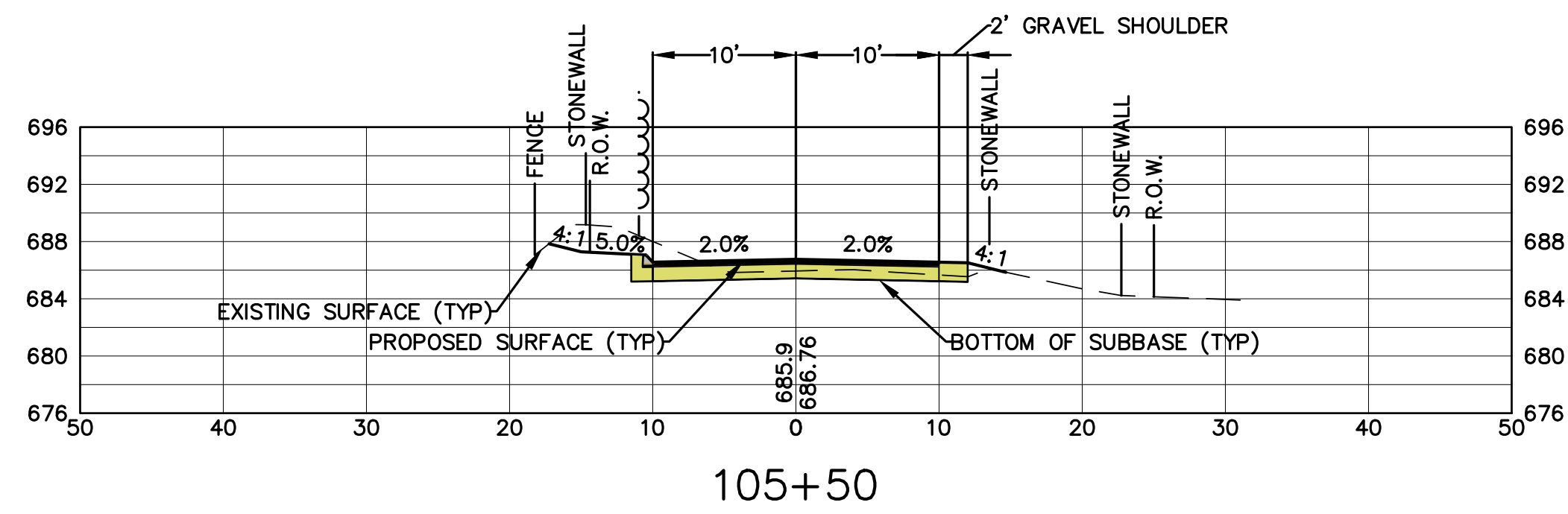


SEDIMENT TRAP
NOT TO SCALE

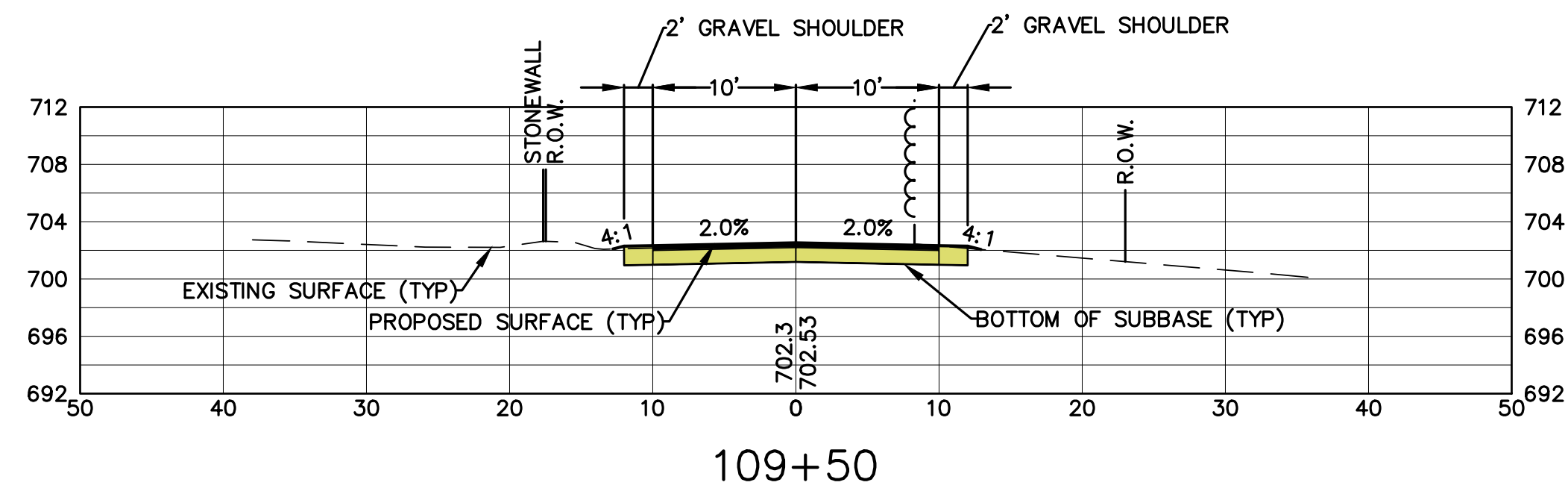
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		DATE
		NO.
EROSION CONTROL DETAILS		
PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110		
DATE: AUGUST 8, 2023		
HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE		
SHEET: 11 OF 23		SCALE: AS SHOWN



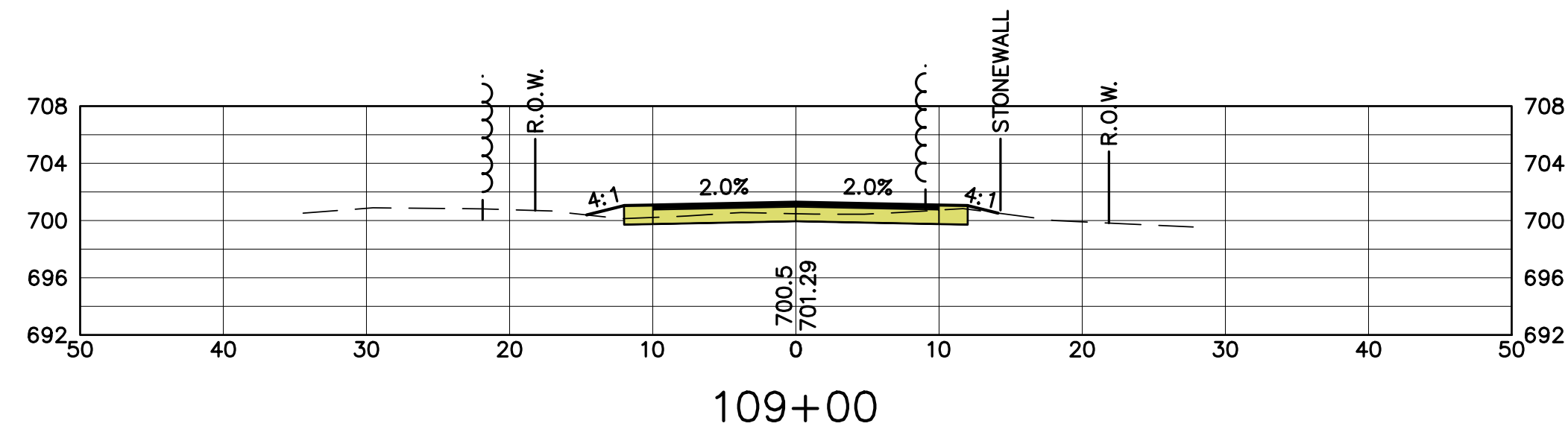
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HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE		SCALE: AS SHOWN		SHEET: 13 OF 23	
NO.	DATE	REVISION	DESCRIPTION		



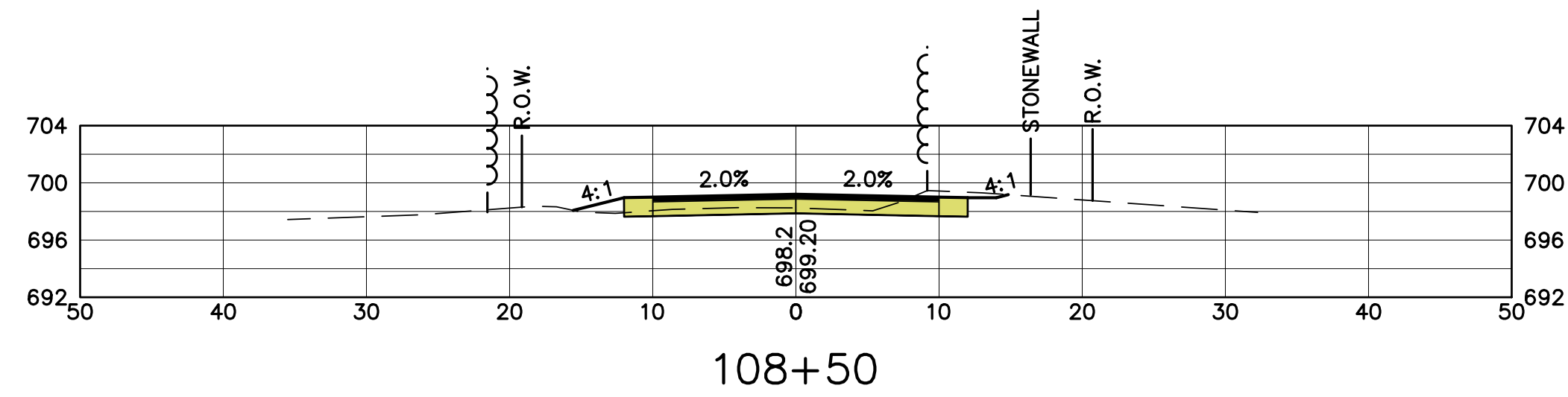
HOLBROOK HILL ROAD ROAD CROSS SECTIONS 104+00 TO 107+50		PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110		DATE: AUGUST 8, 2023	
HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE		SHEET: 14 OF 23		SCALE: AS SHOWN	
NO.	DATE	REVISION	DESCRIPTION		



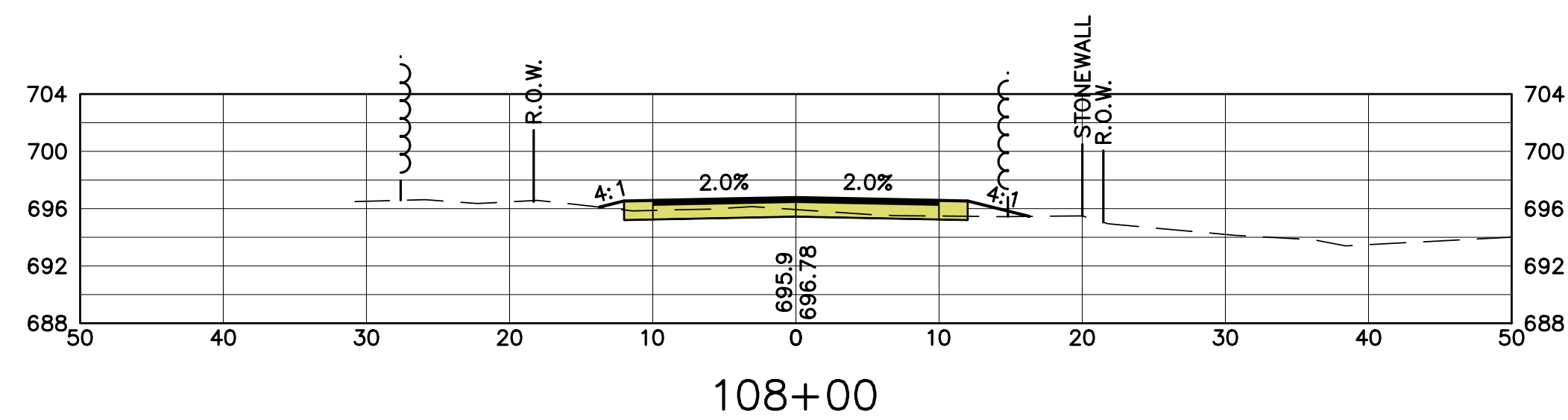
109+50



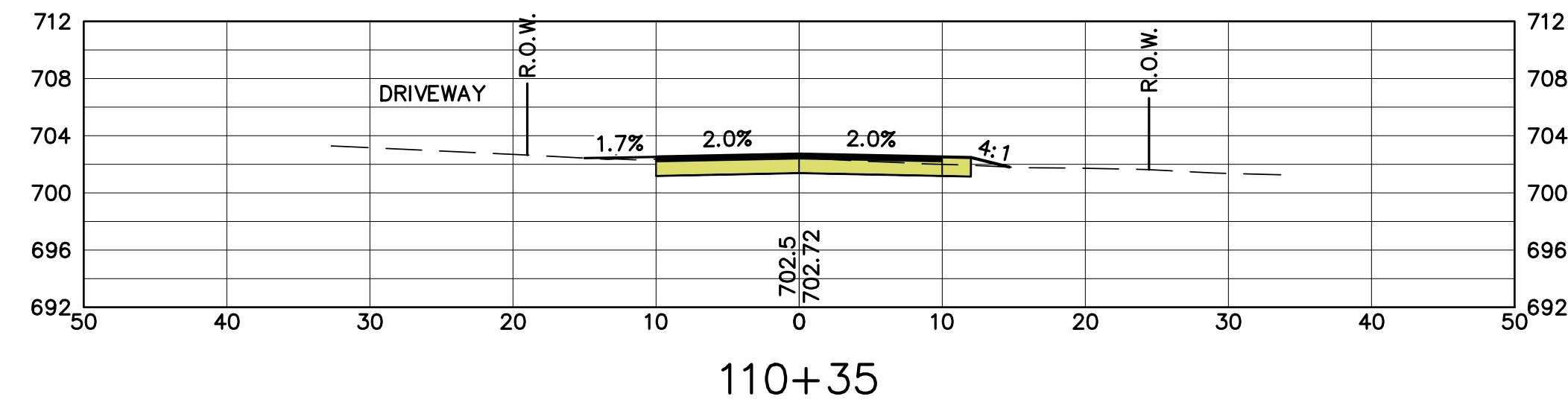
109+00



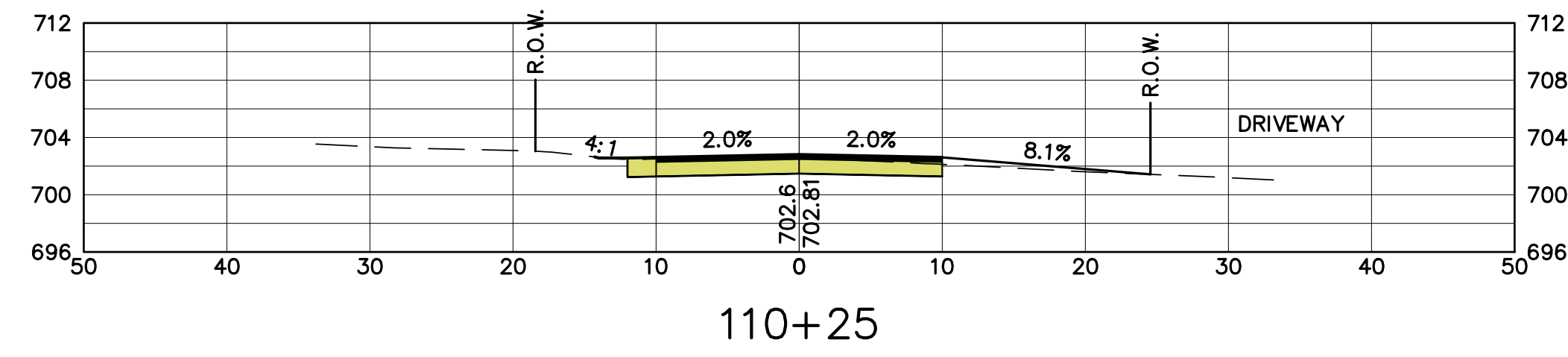
108+50



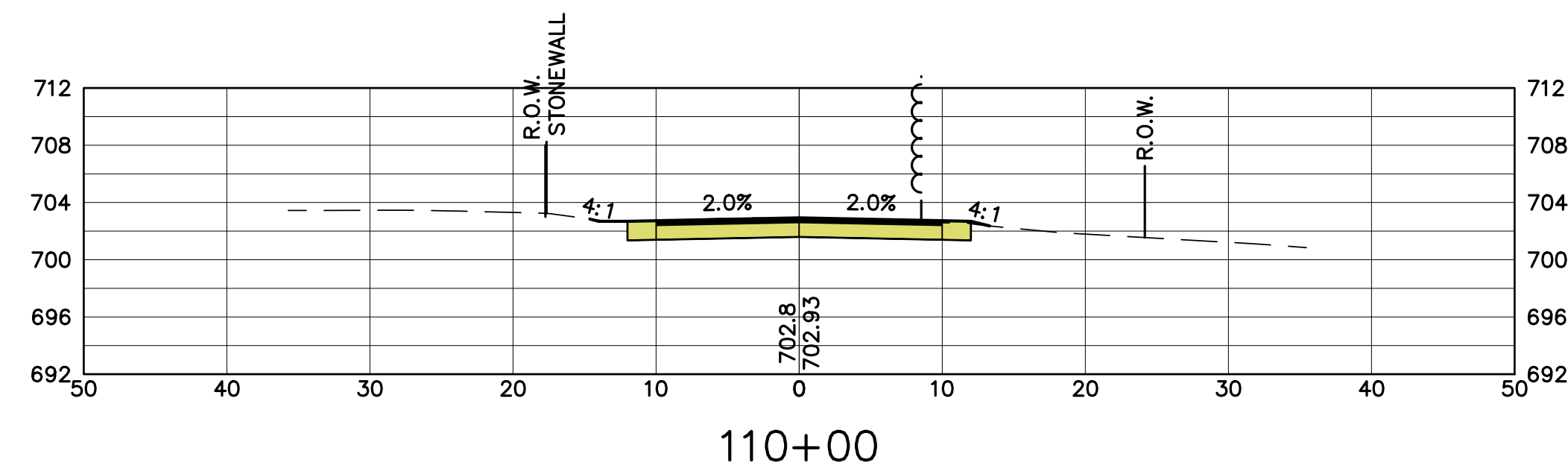
108+00



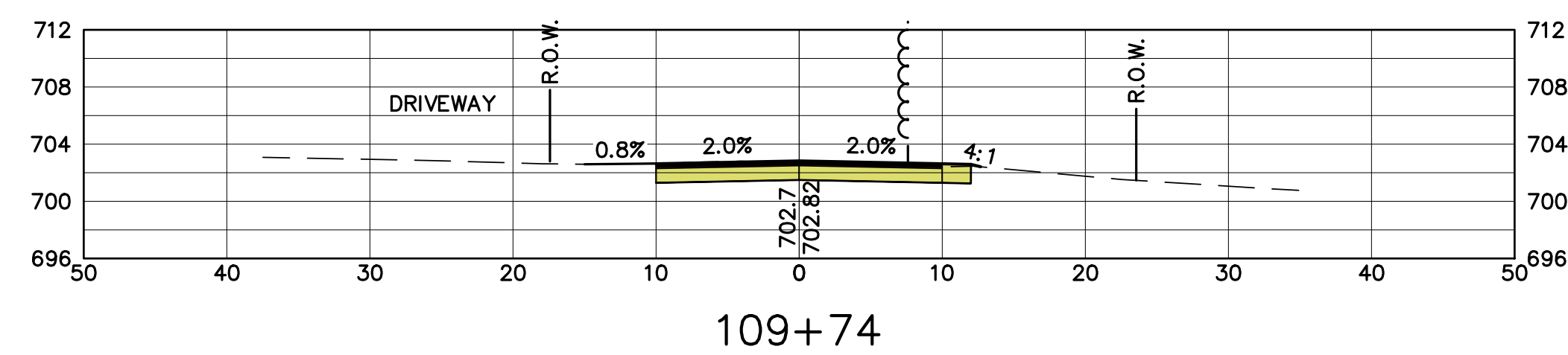
110+35



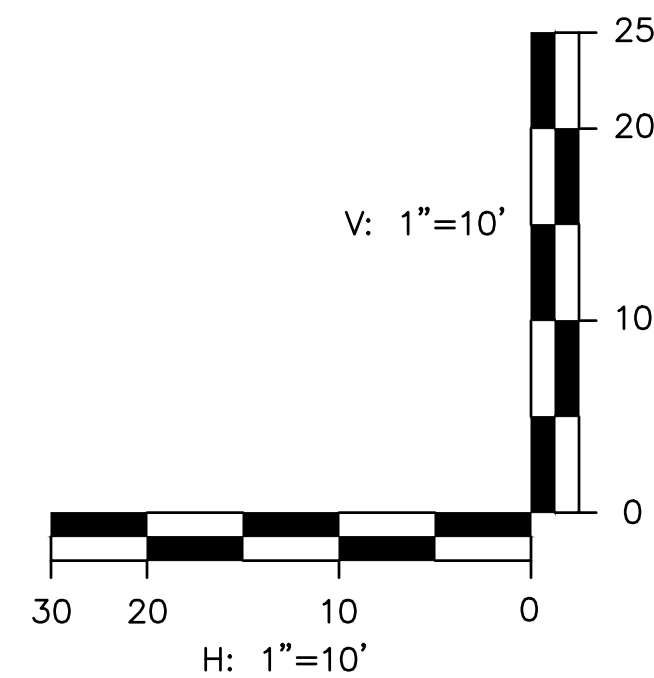
110+25



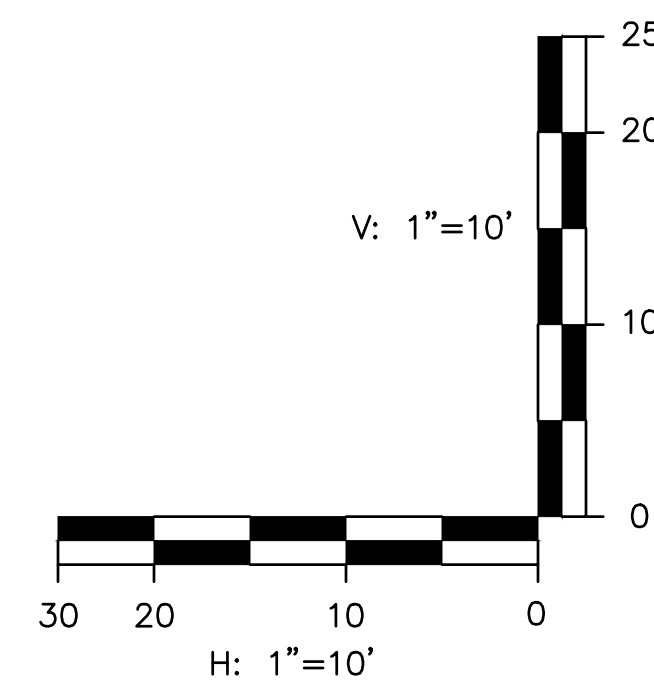
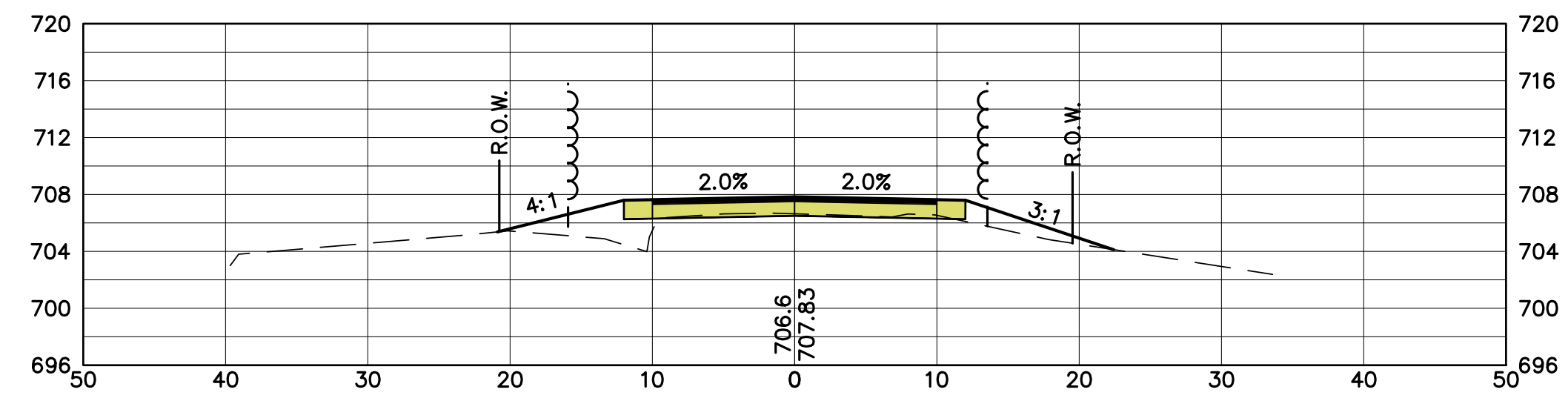
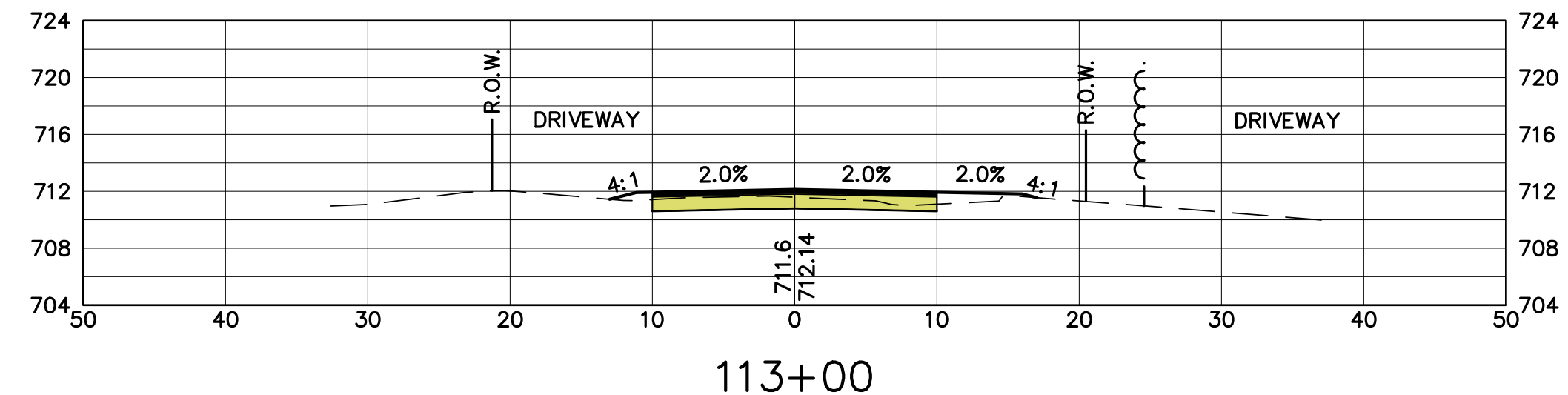
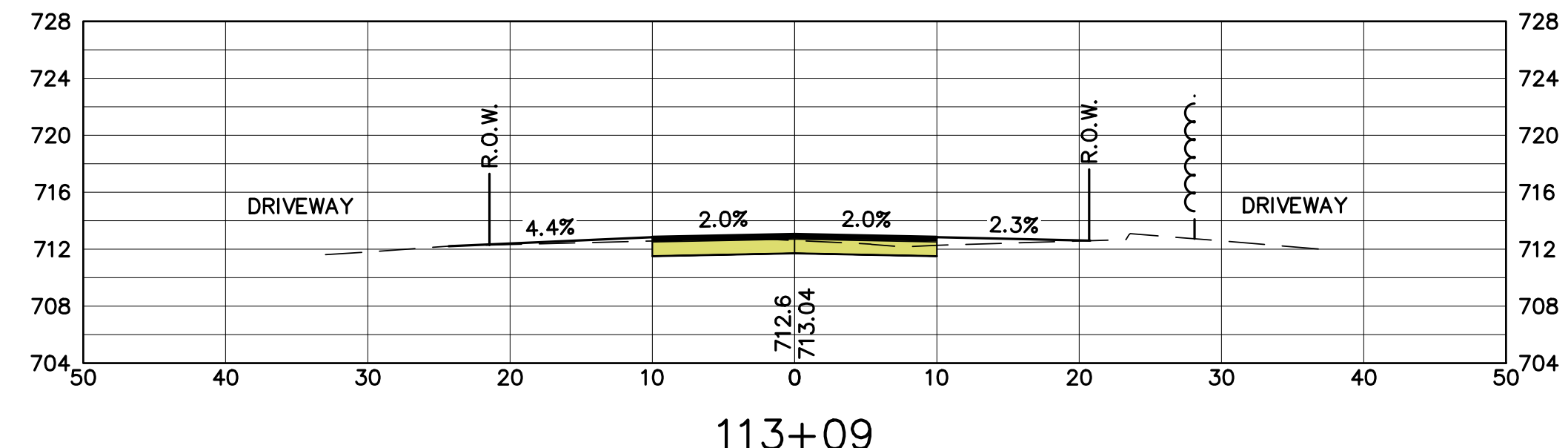
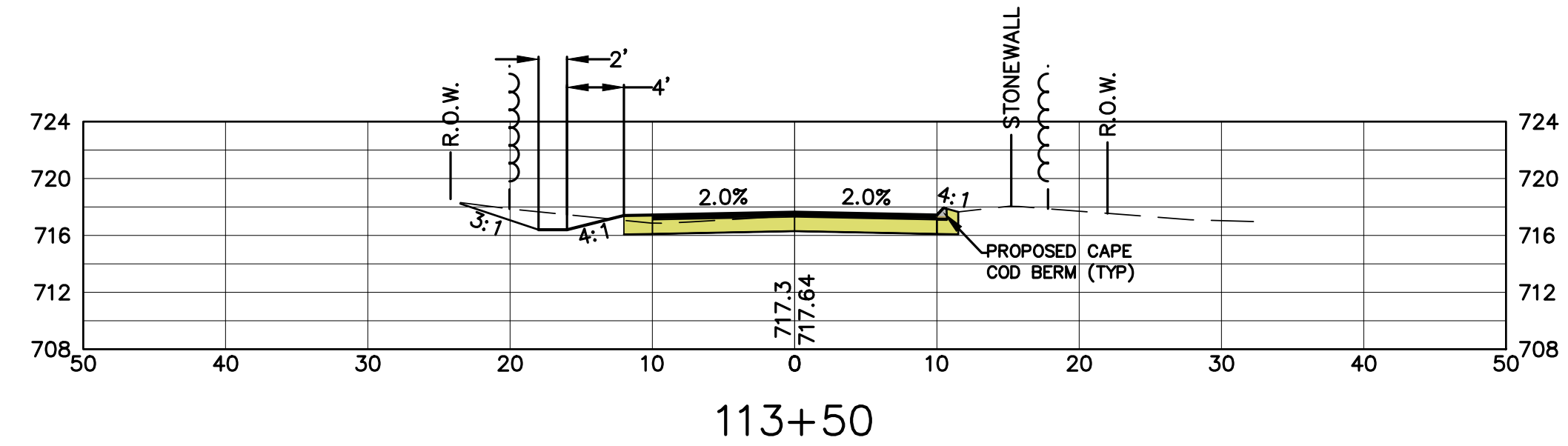
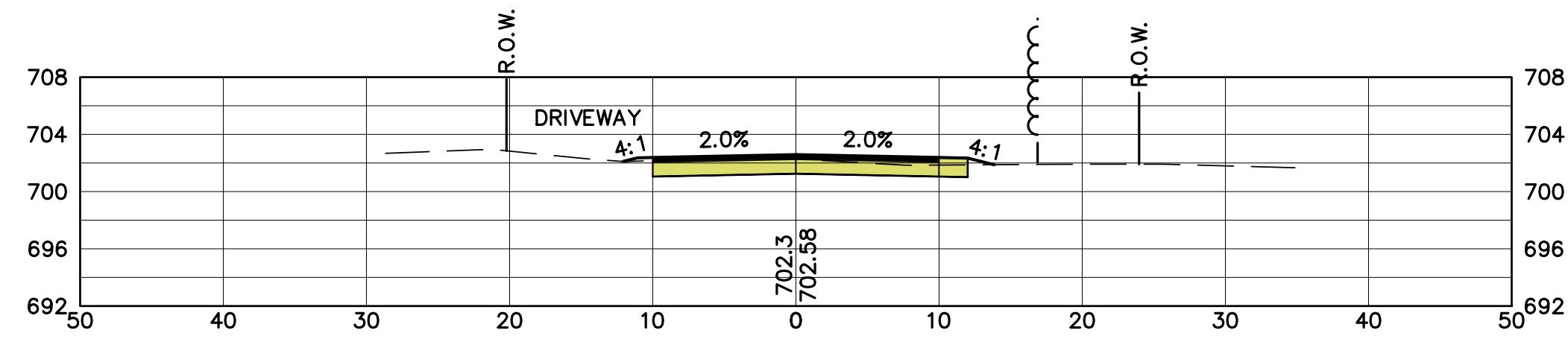
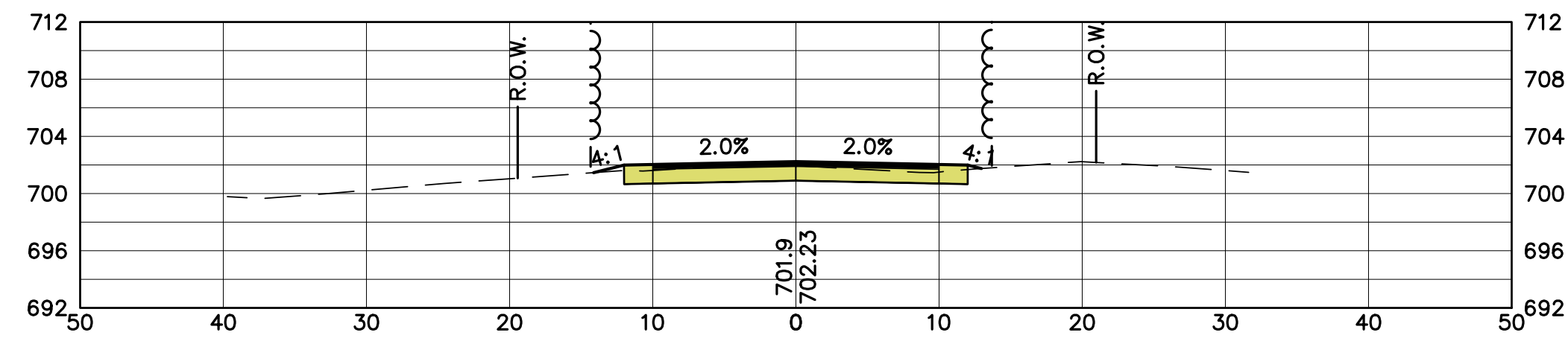
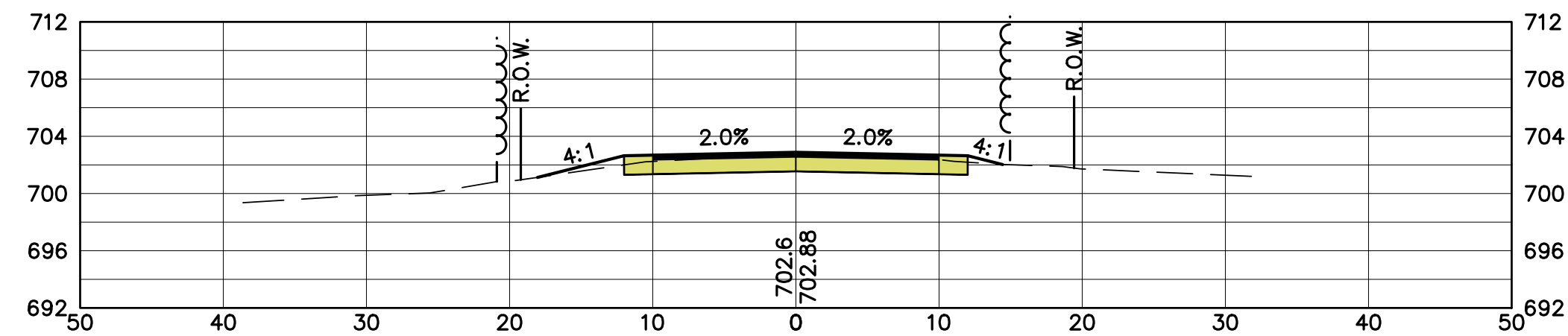
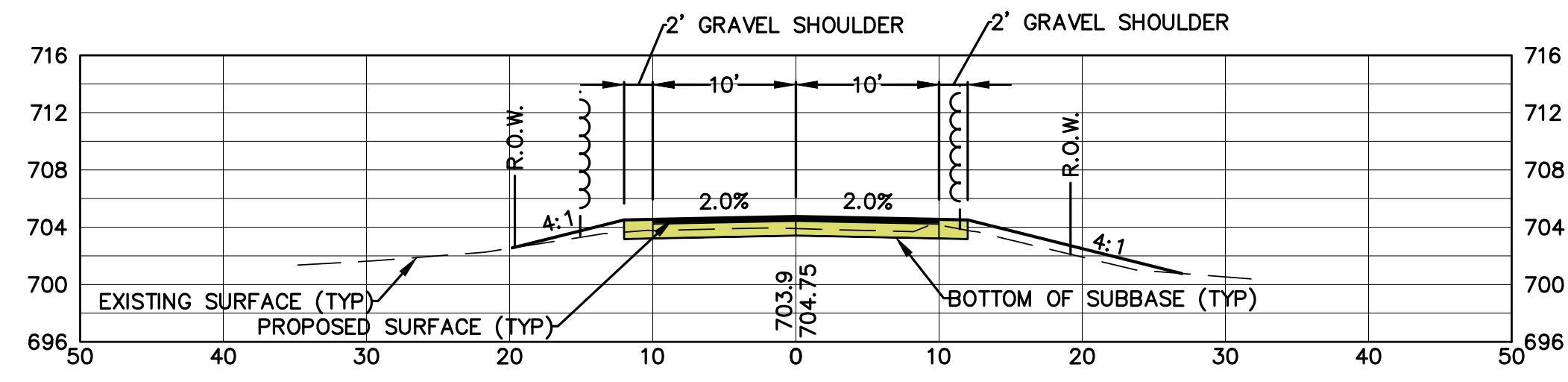
110+00



109+74



HOLBROOK HILL ROAD ROAD CROSS SECTIONS 108+00 TO 110+35		PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110		DATE: AUGUST 8, 2023	
HOLBROOK HILL ROAD ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE		SHEET: 15 OF 23		SCALE: AS SHOWN	
				NO.	
				DATE	
				REVISION DESCRIPTION	

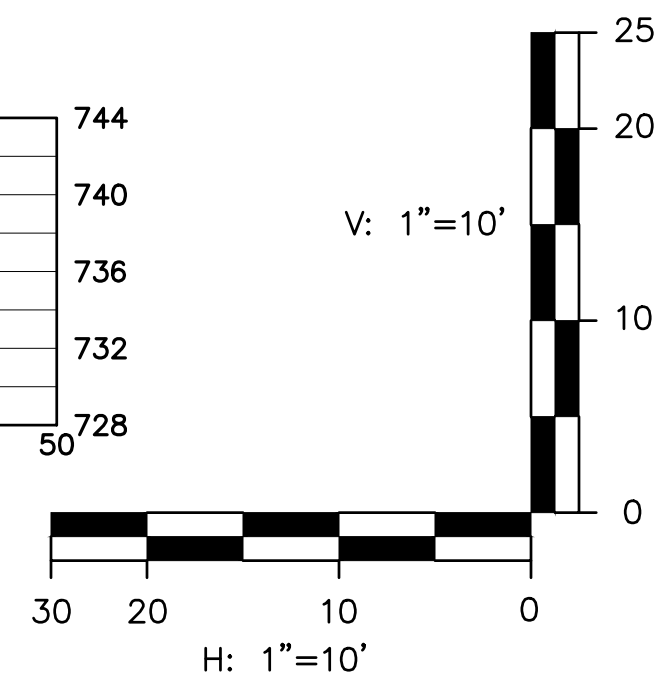
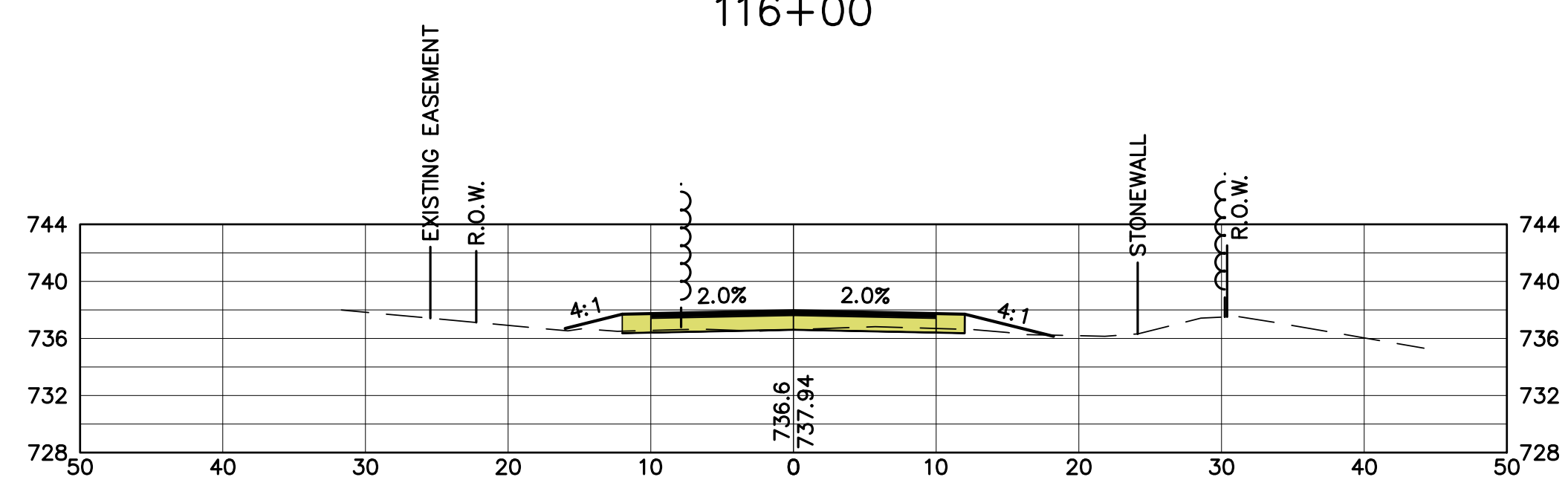
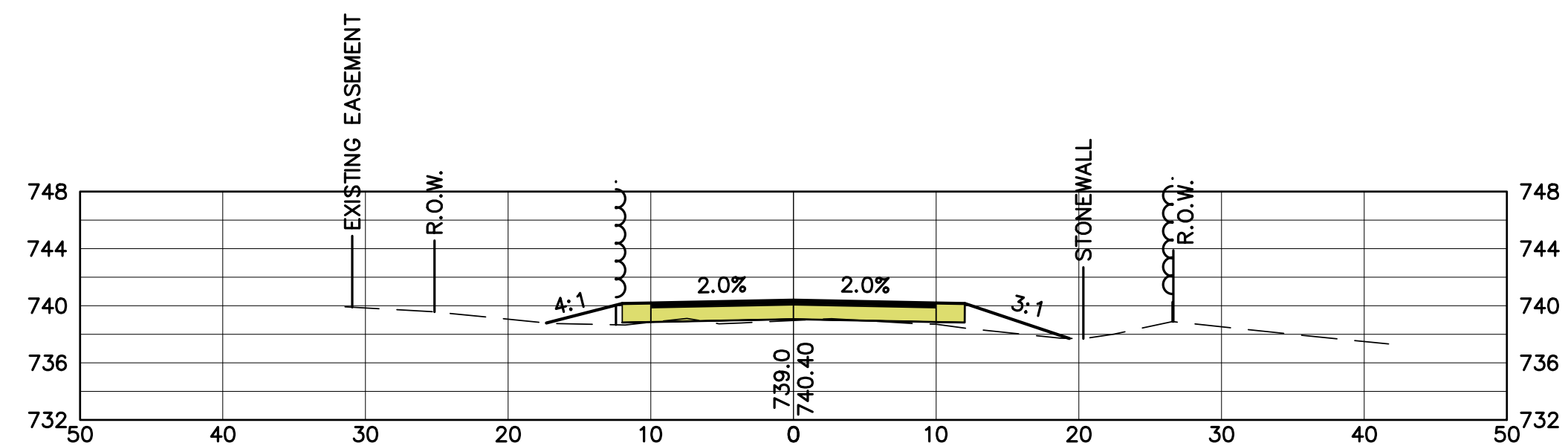
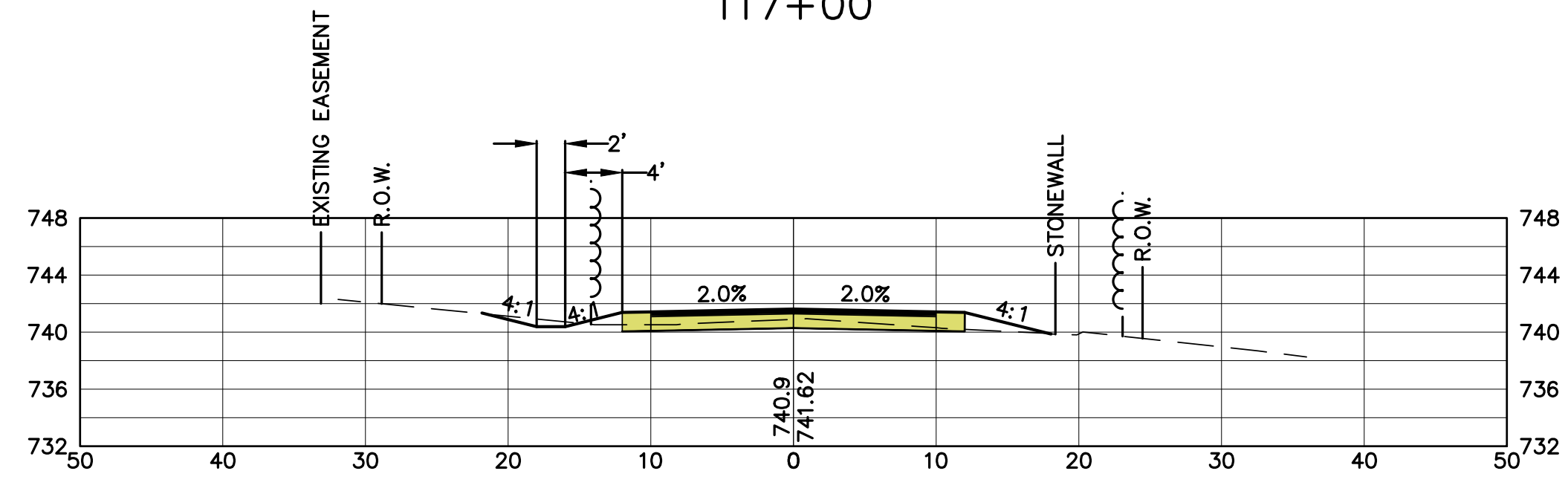
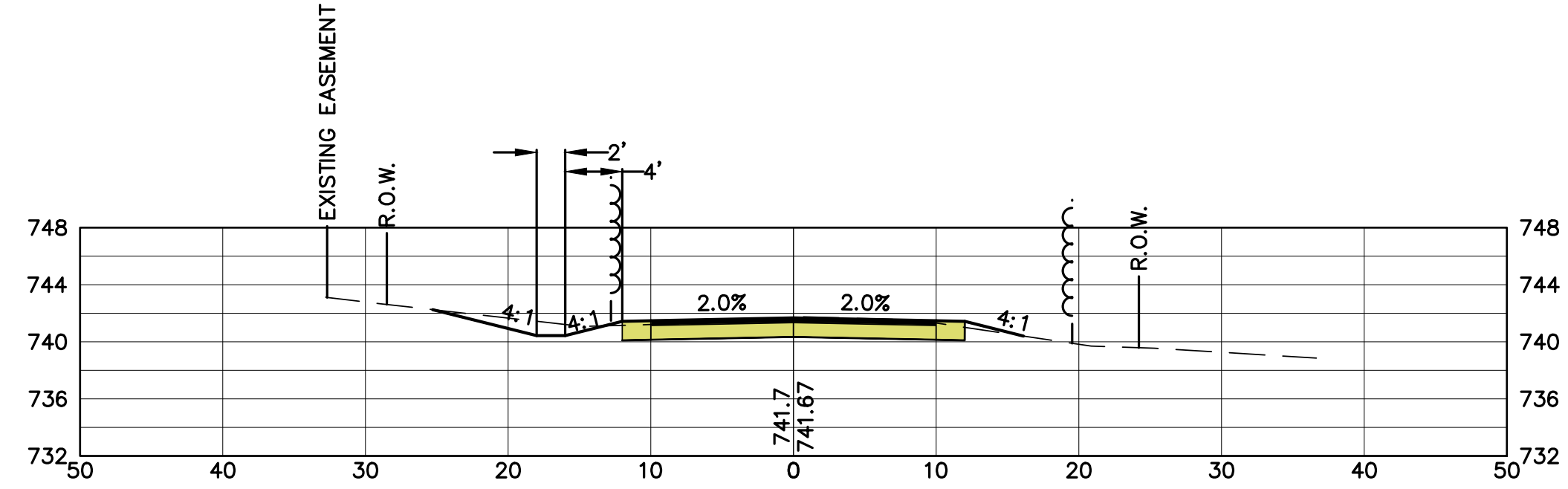
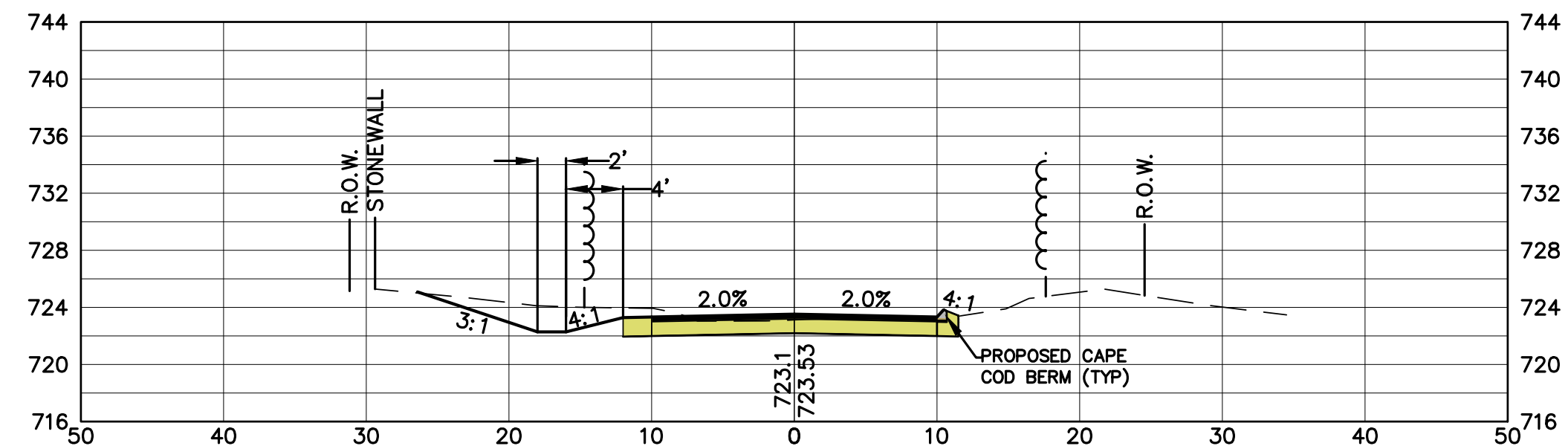
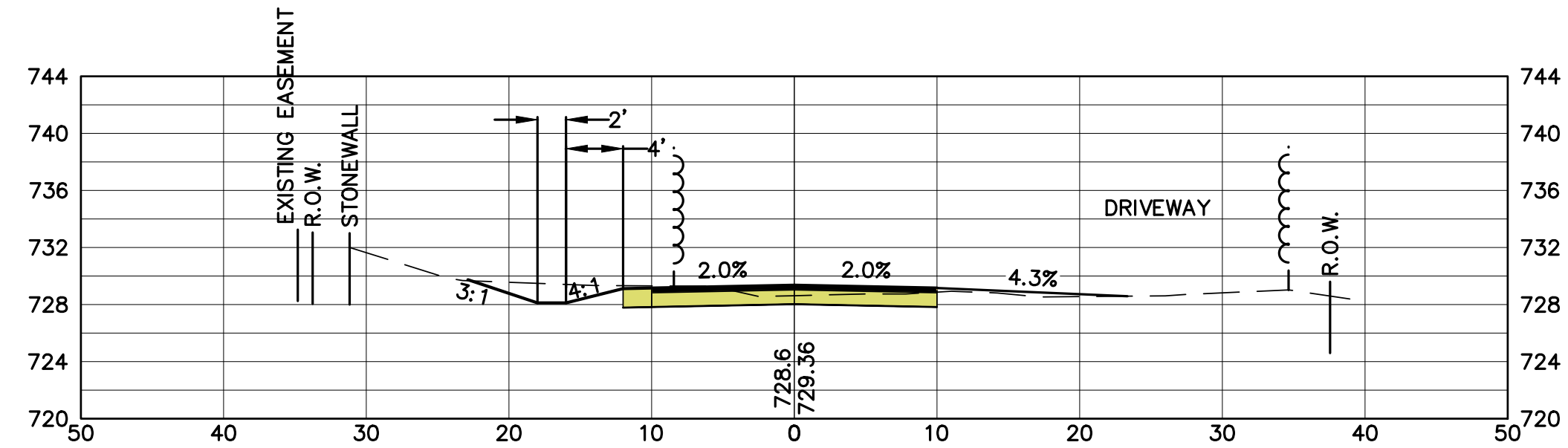
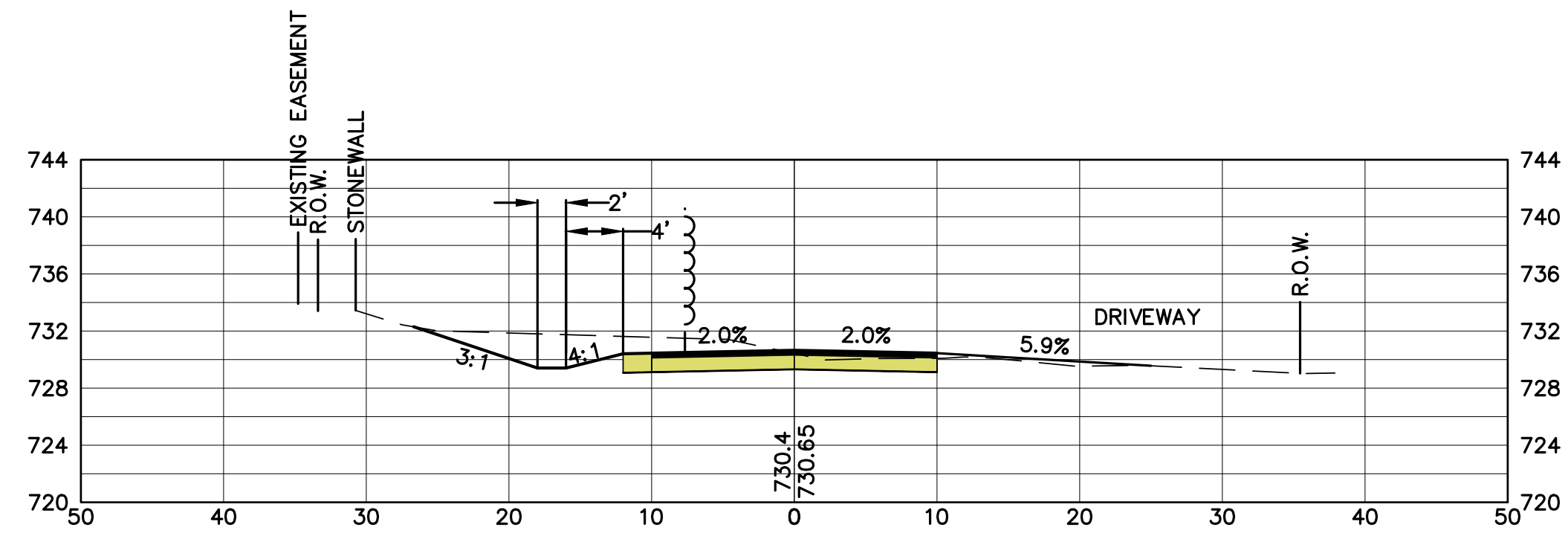
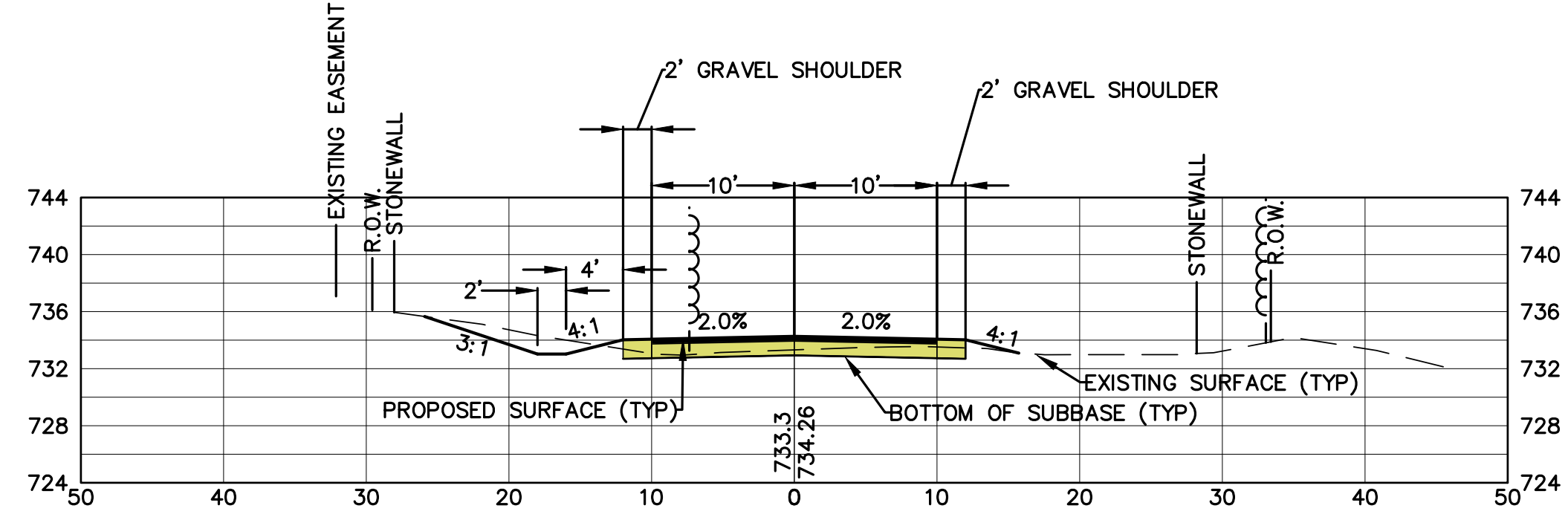


NO.	DATE	REVISION DESCRIPTION

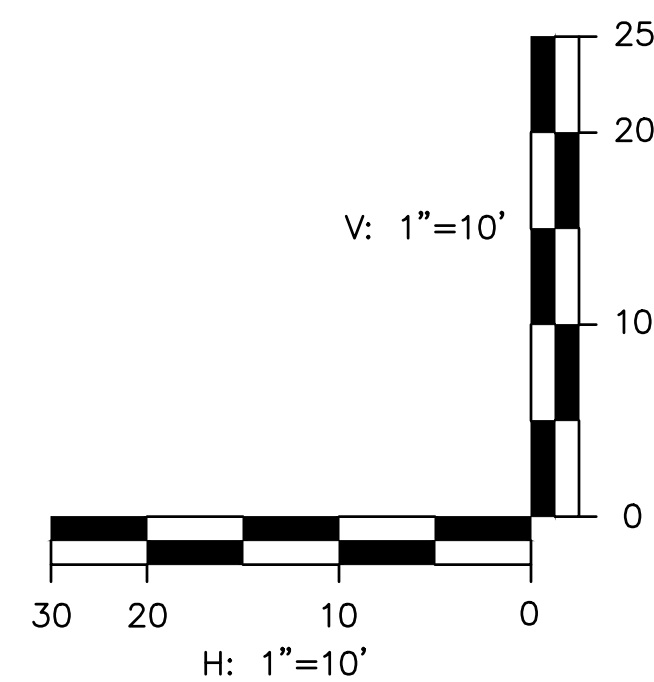
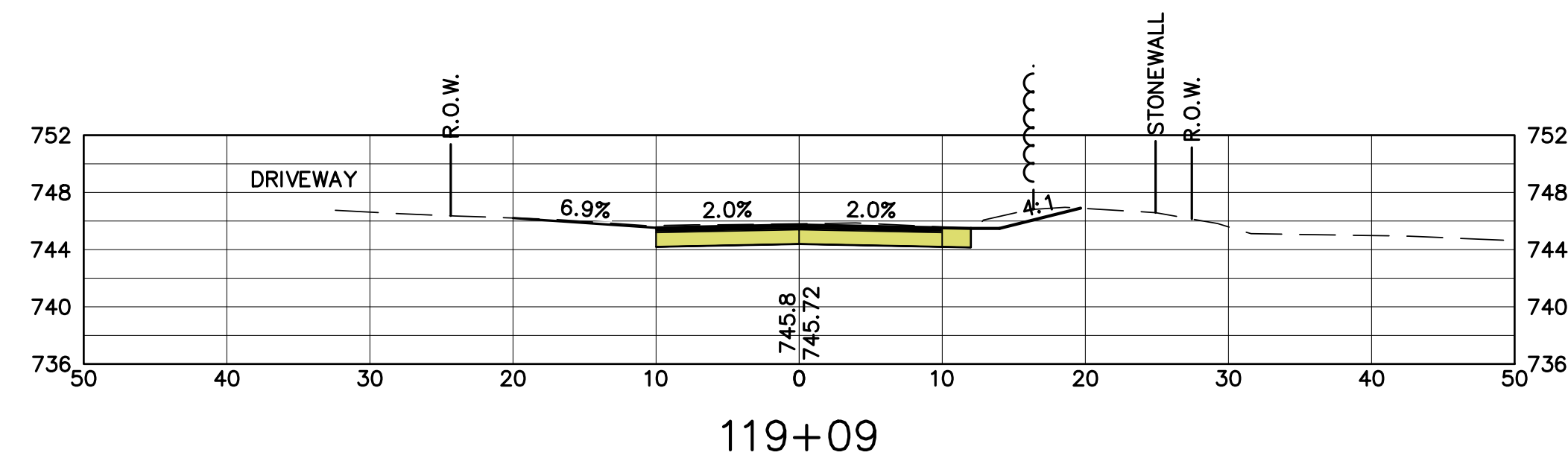
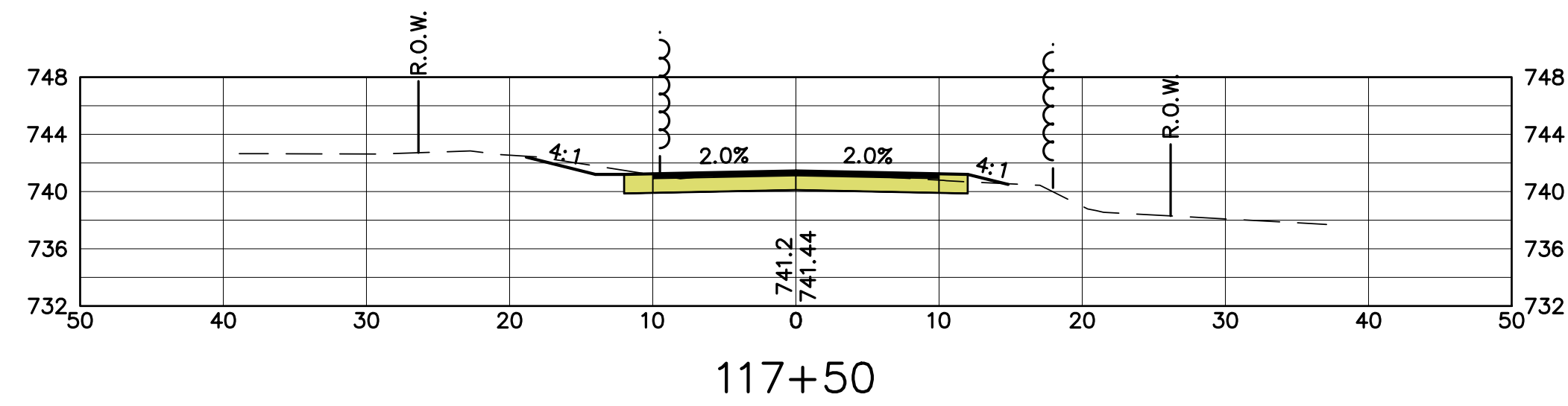
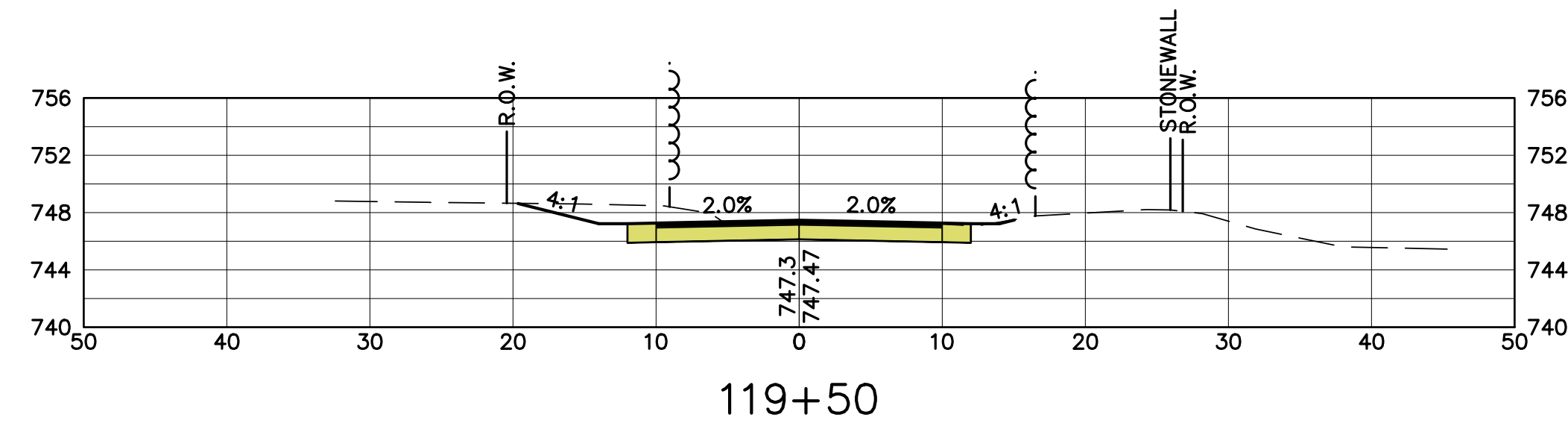
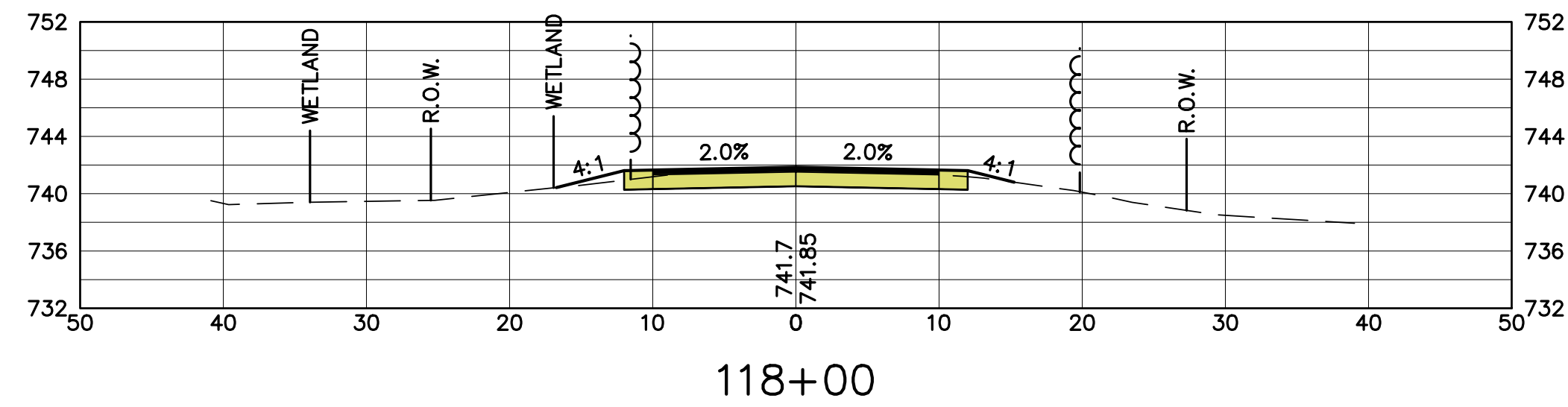
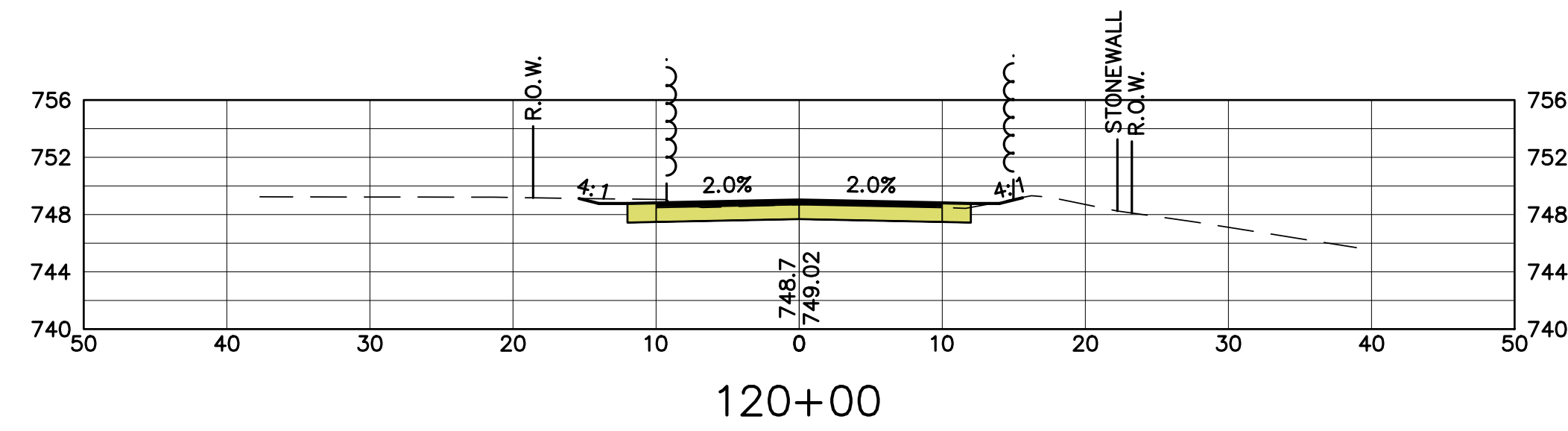
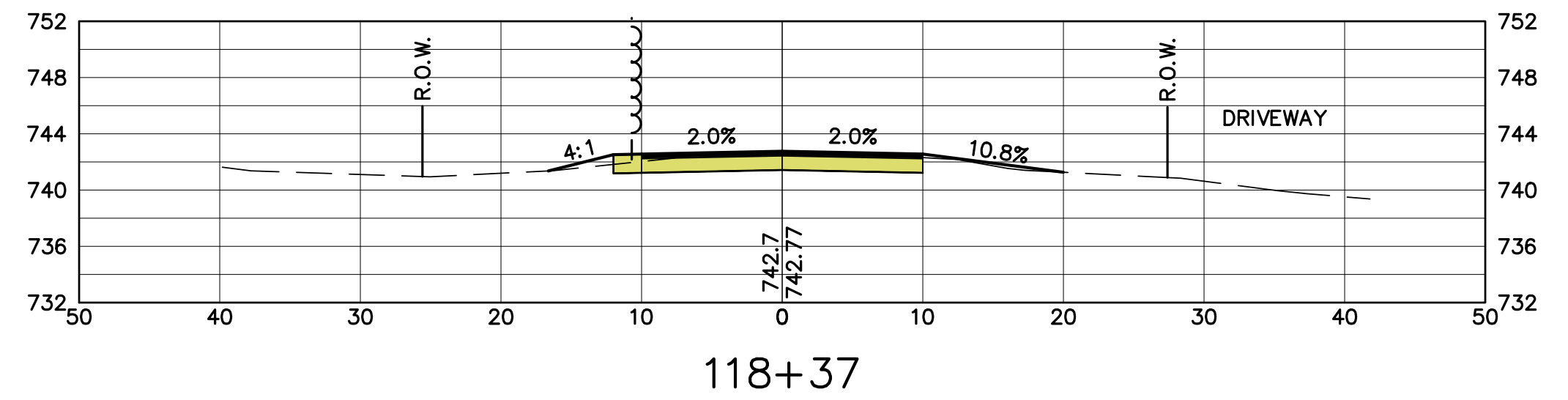
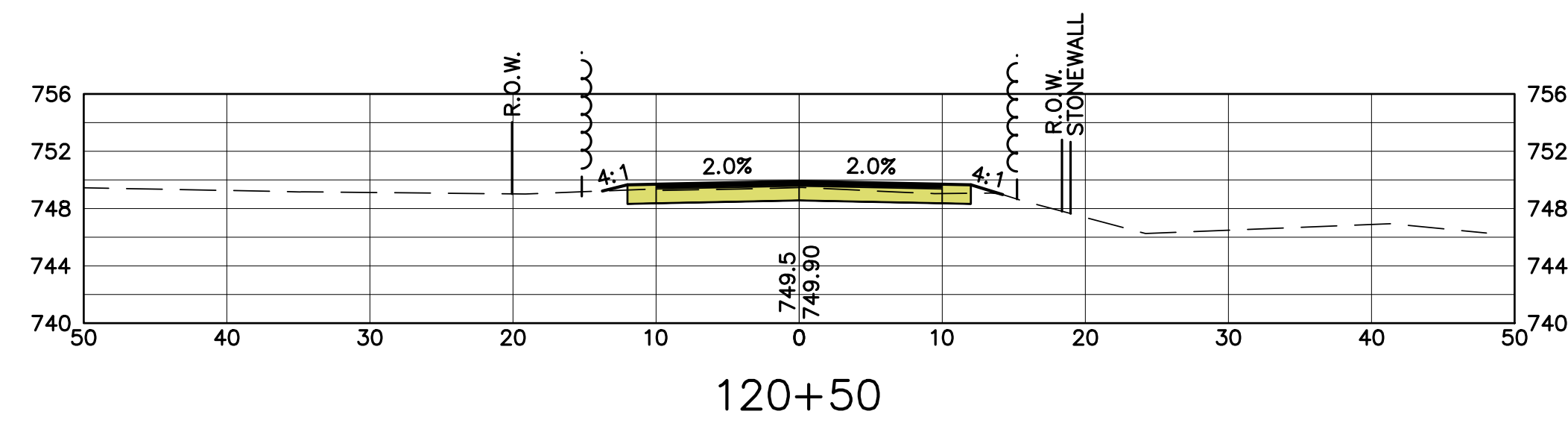
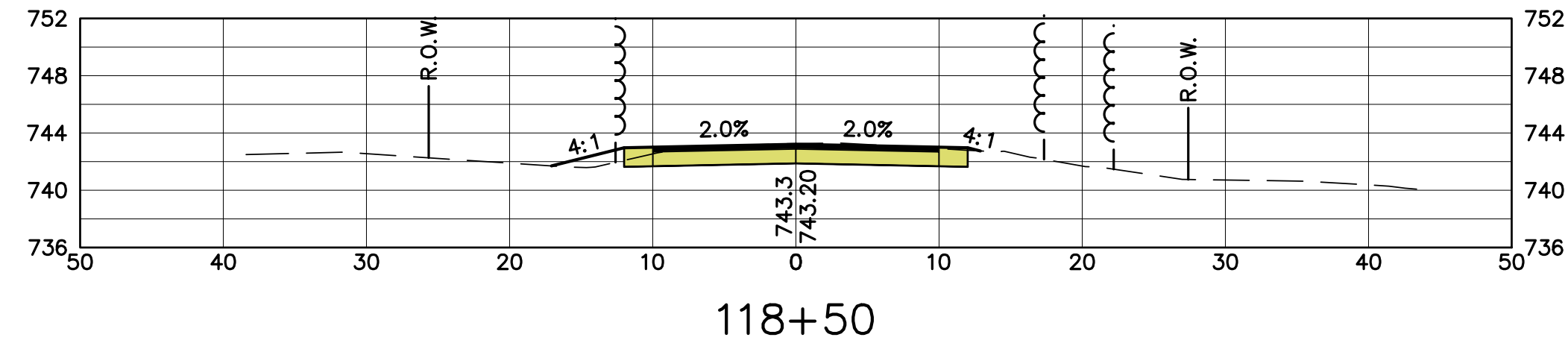
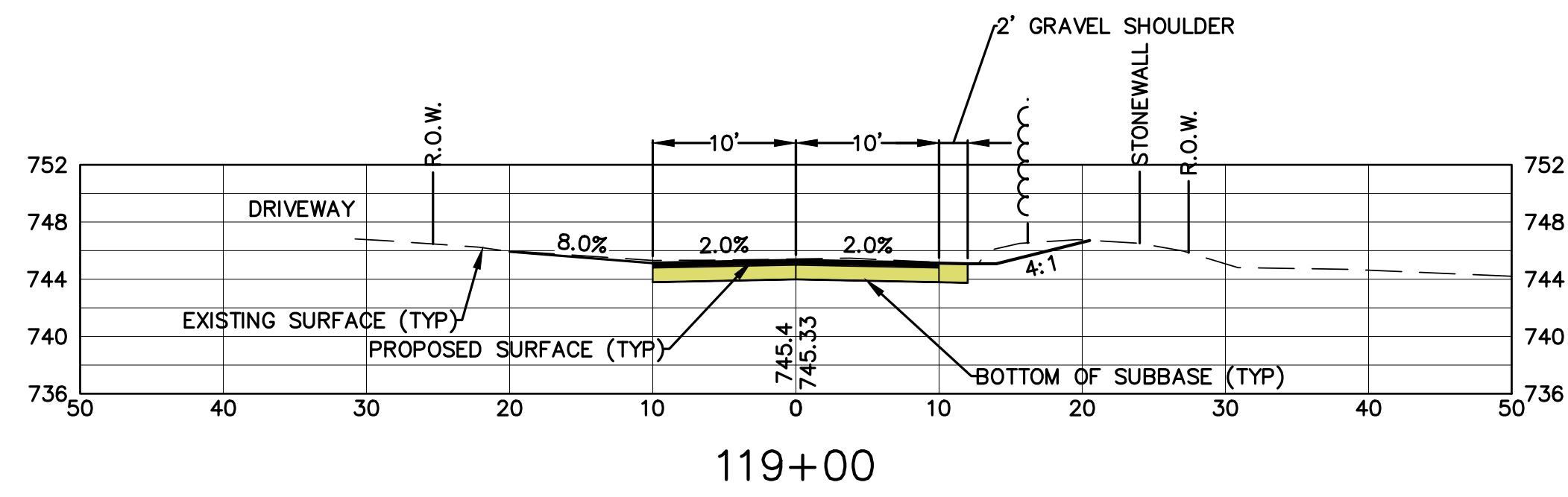
HOLBROOK HILL ROAD
ROAD
CROSS SECTIONS
110+50 TO
113+50

PREPARED FOR:
TOWN OF BEDFORD
55 CONSTITUTION DRIVE
BEDFORD, NEW HAMPSHIRE 03110

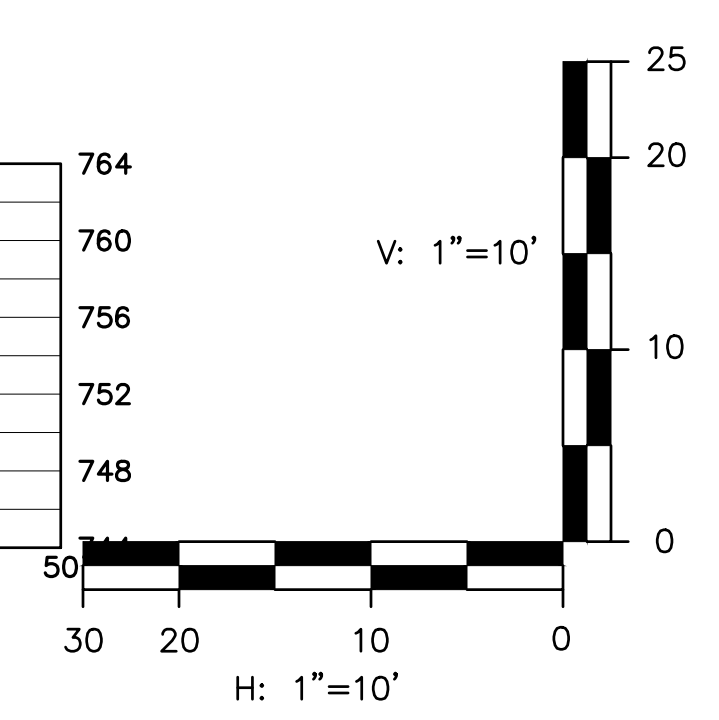
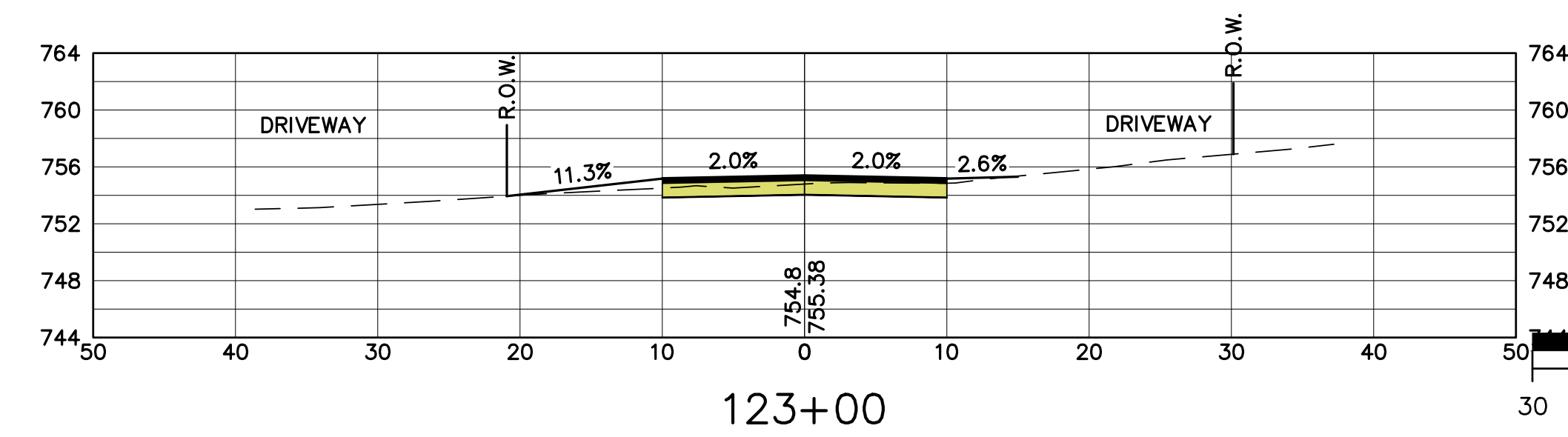
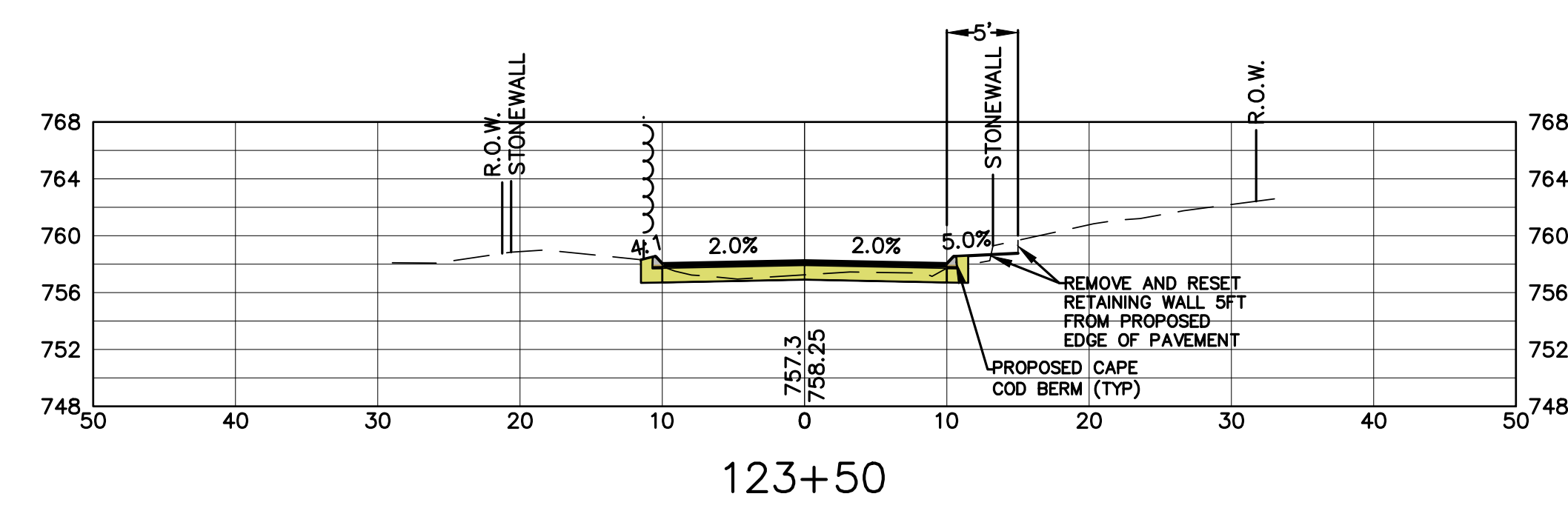
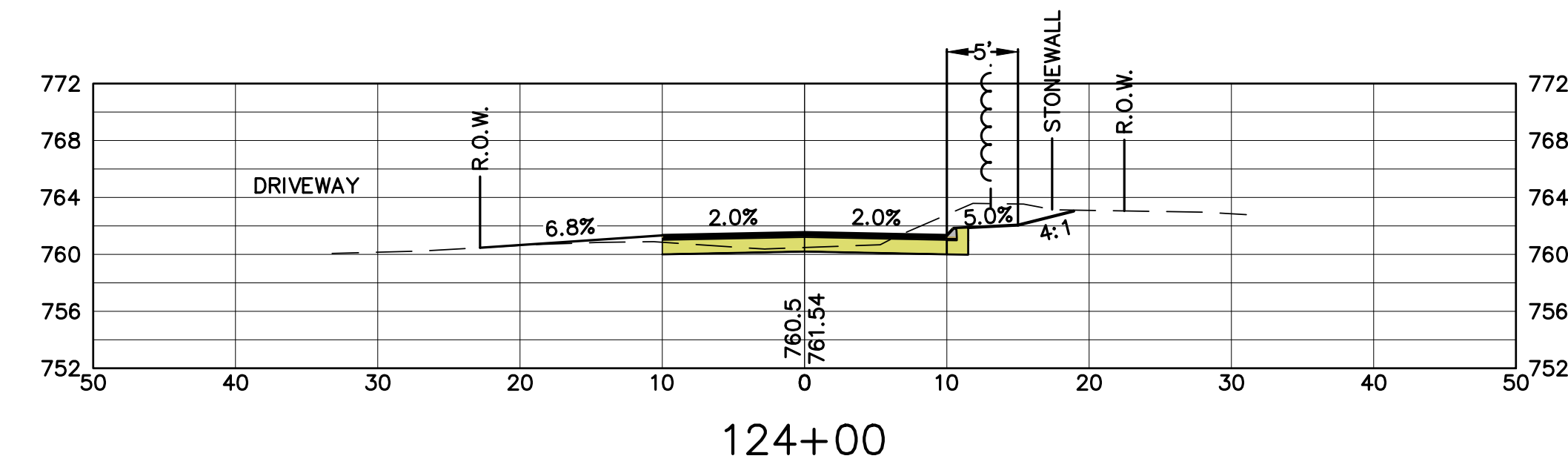
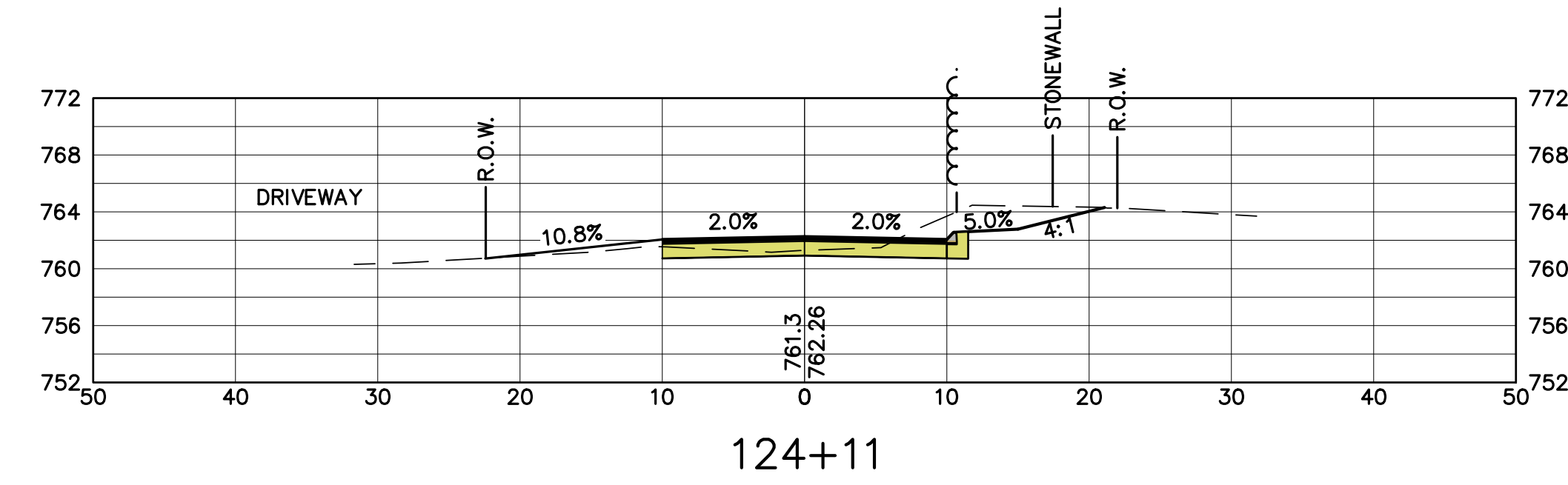
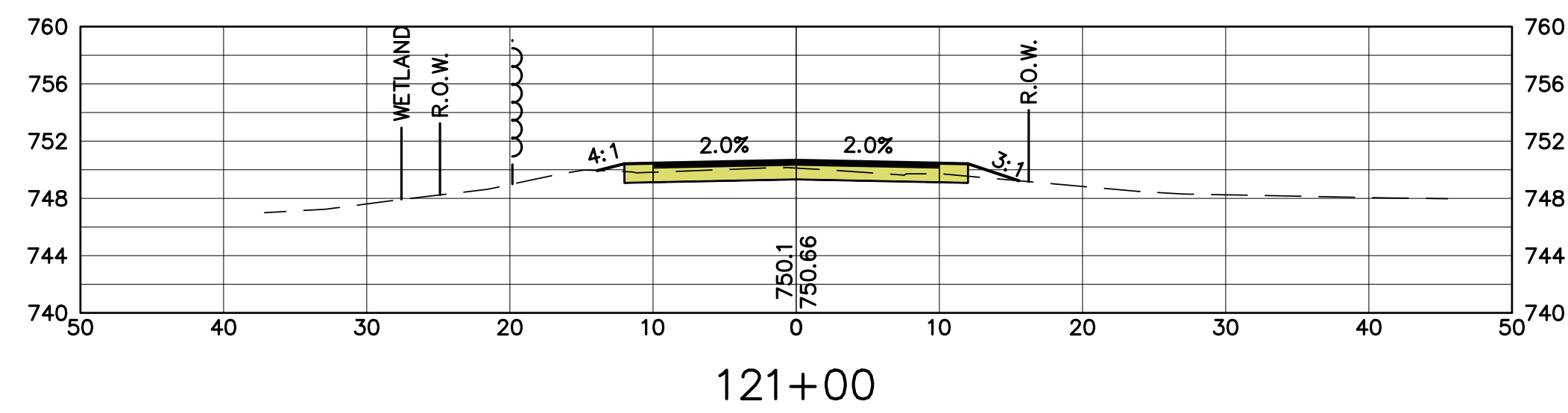
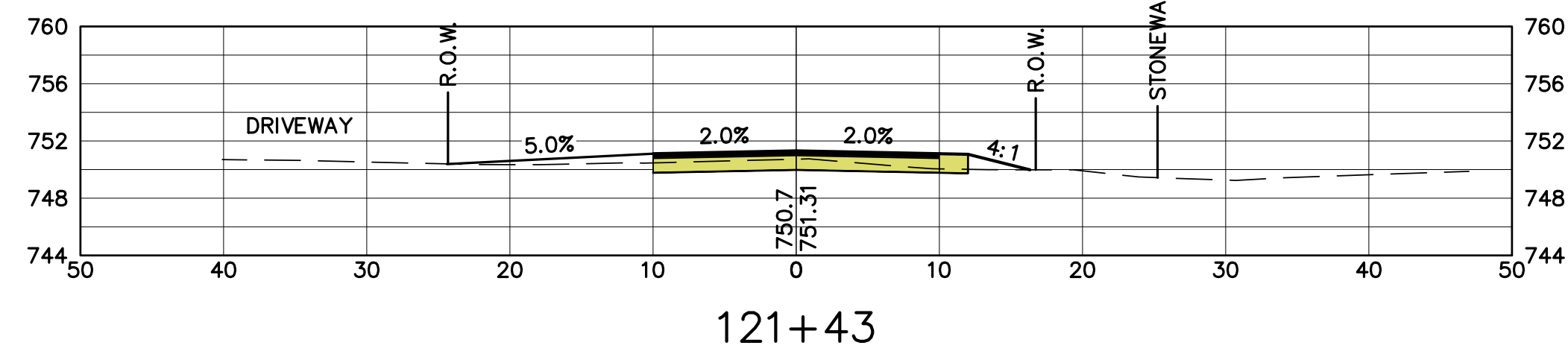
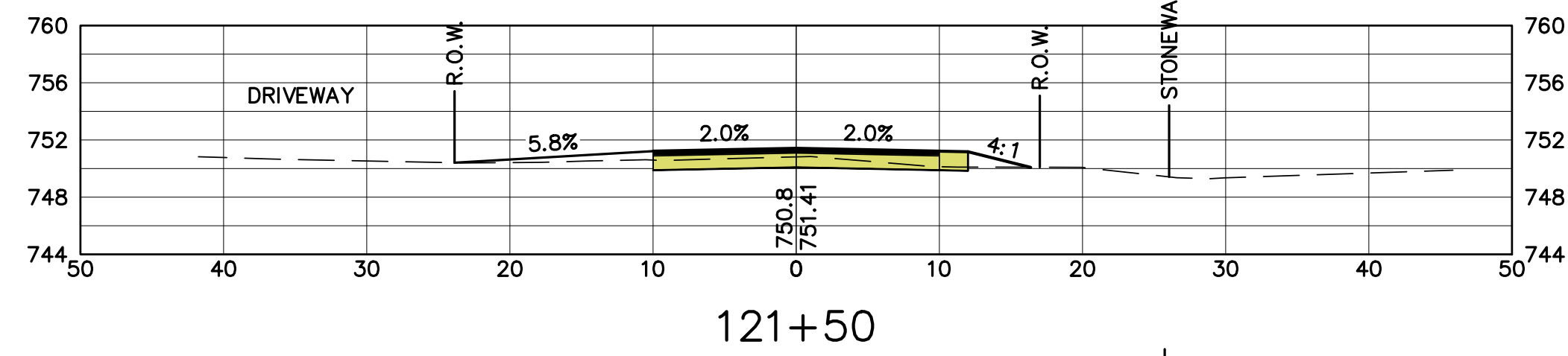
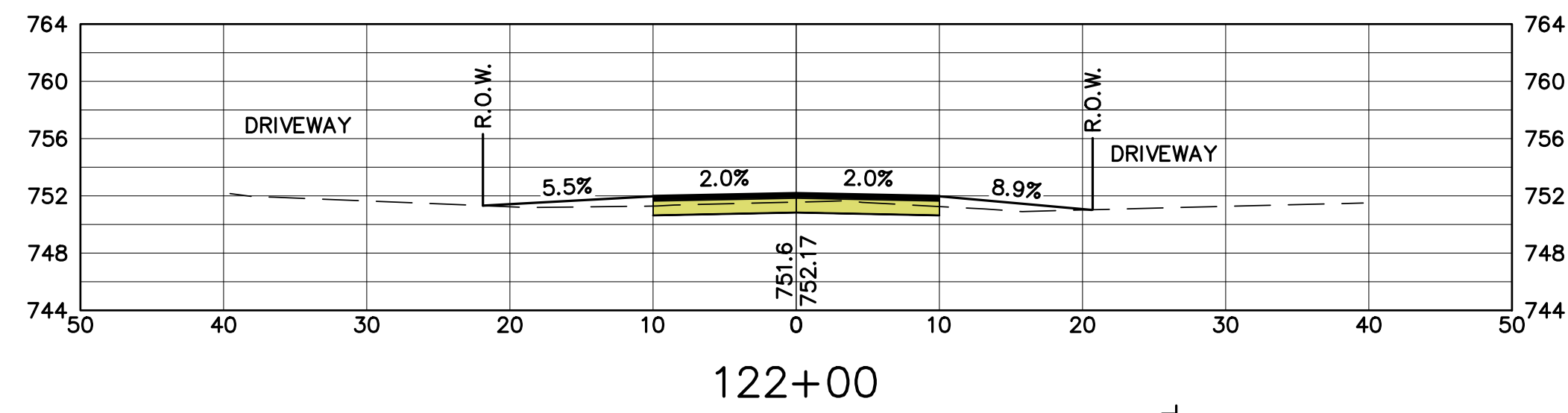
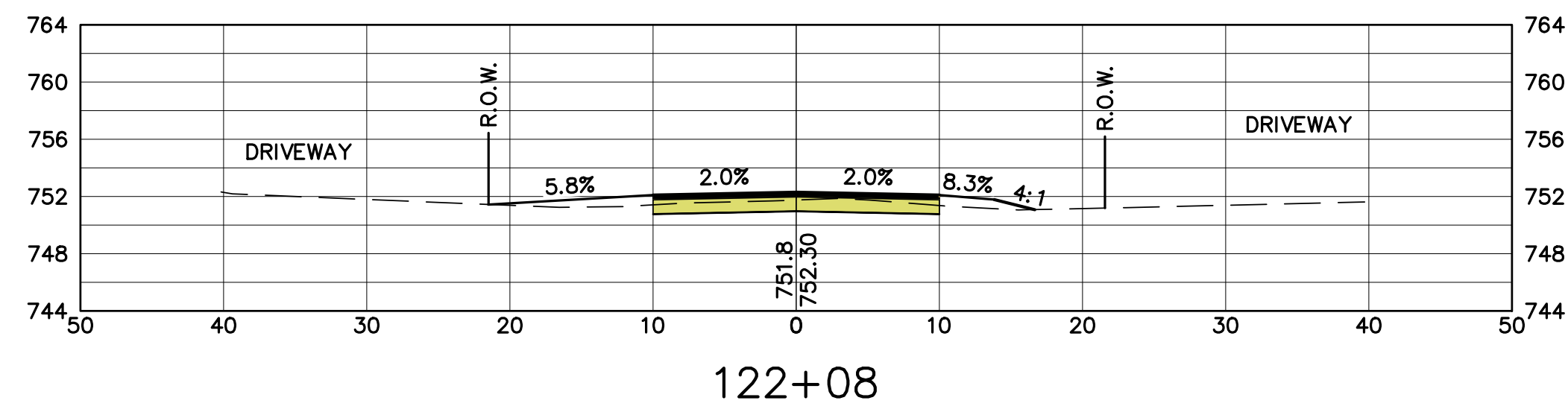
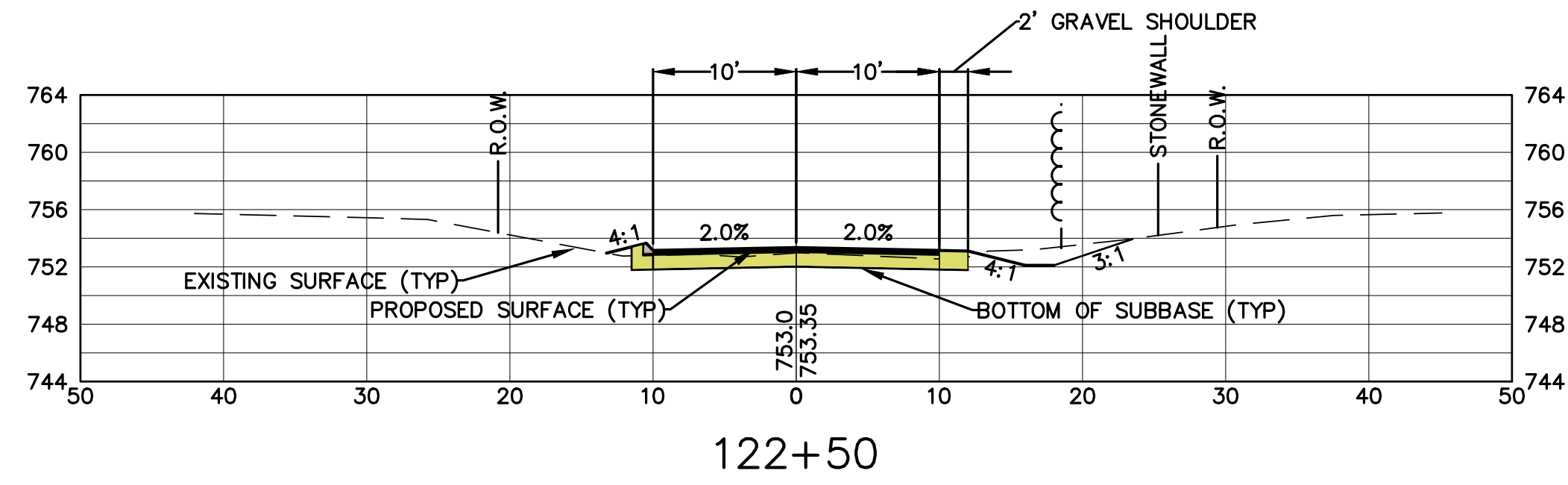
HOLBROOK HILL ROAD
RECONSTRUCTION PLANS
BEDFORD, NEW HAMPSHIRE



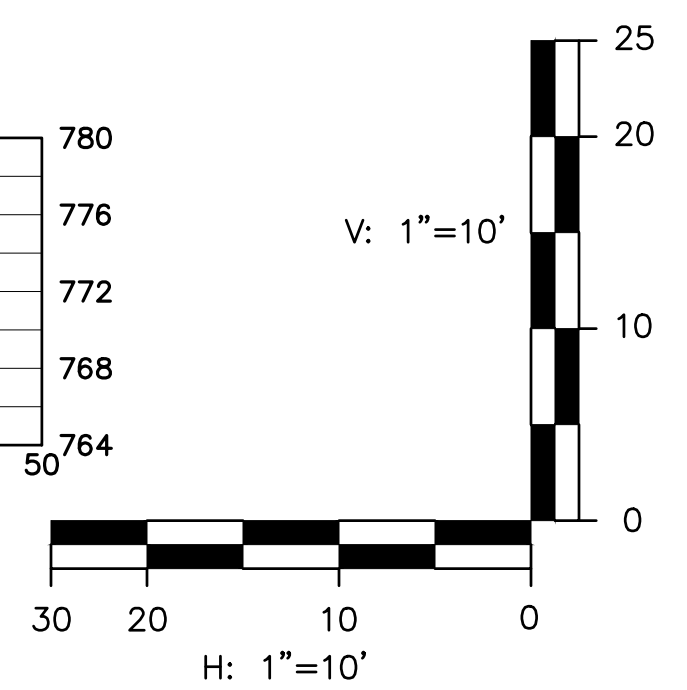
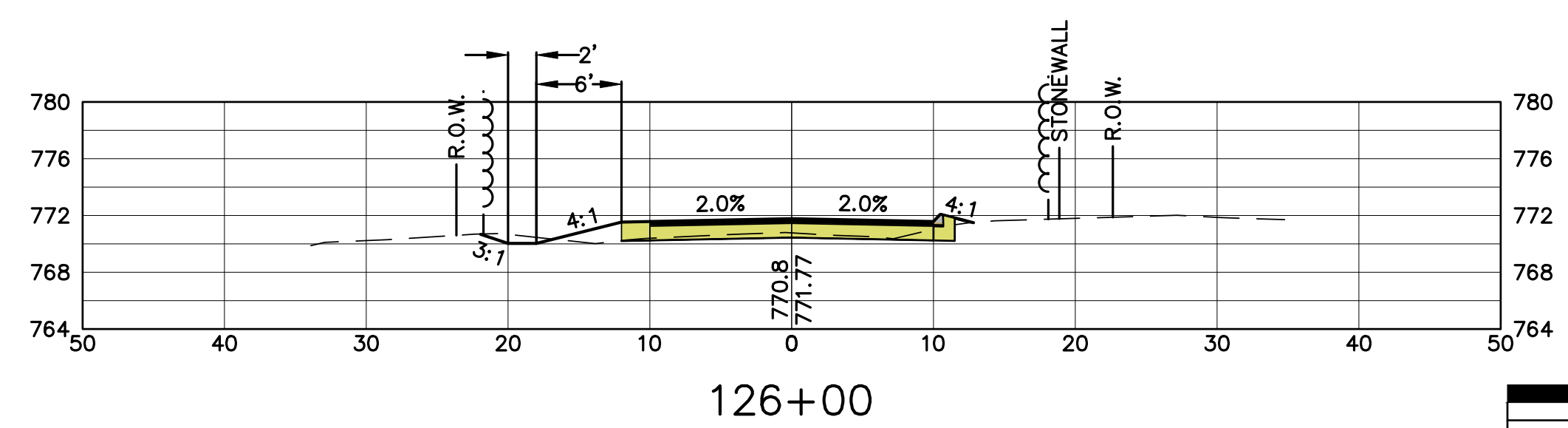
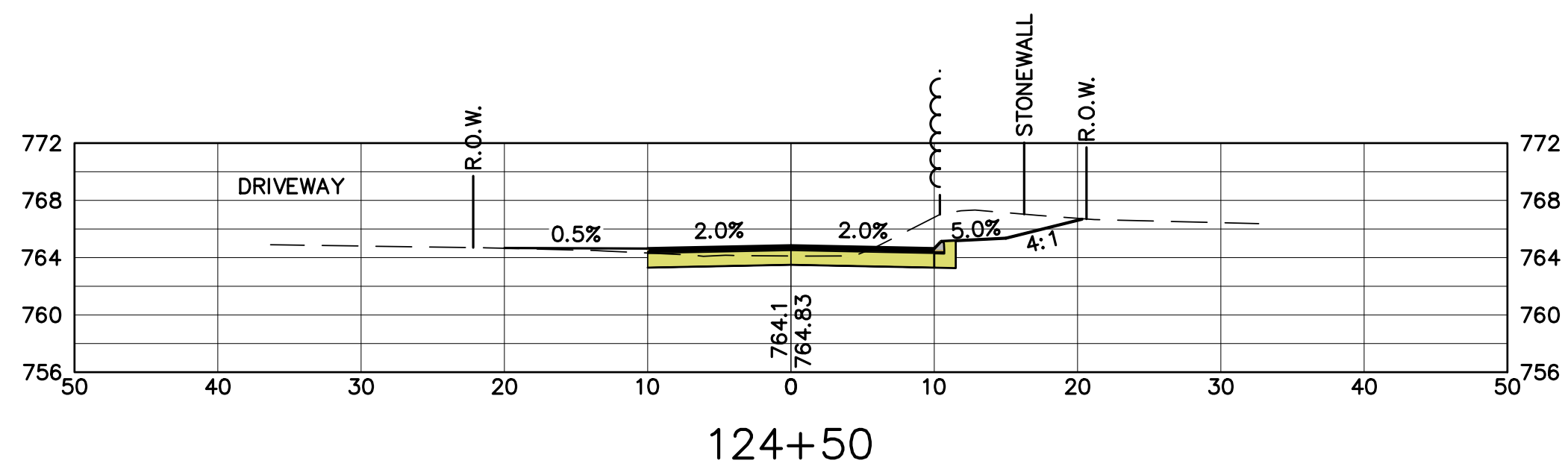
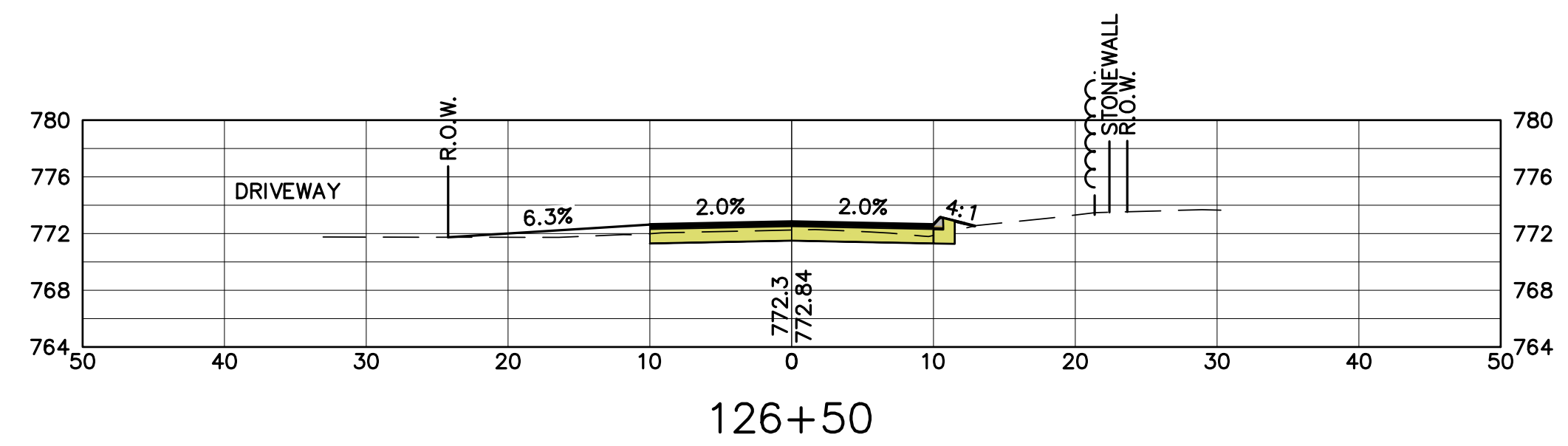
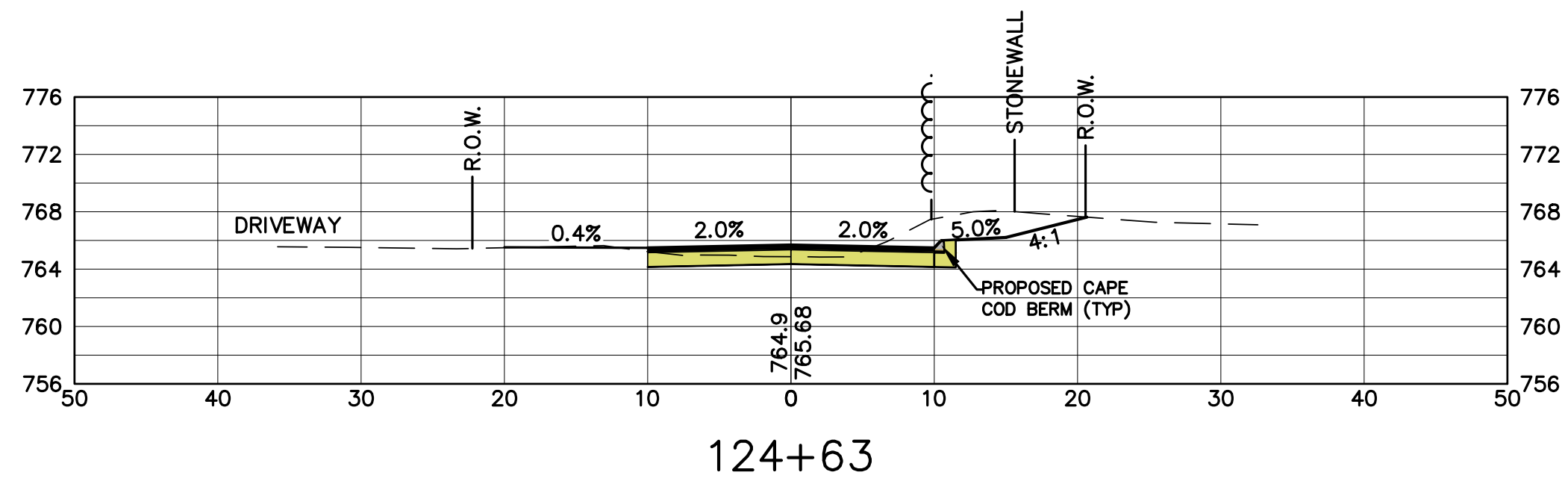
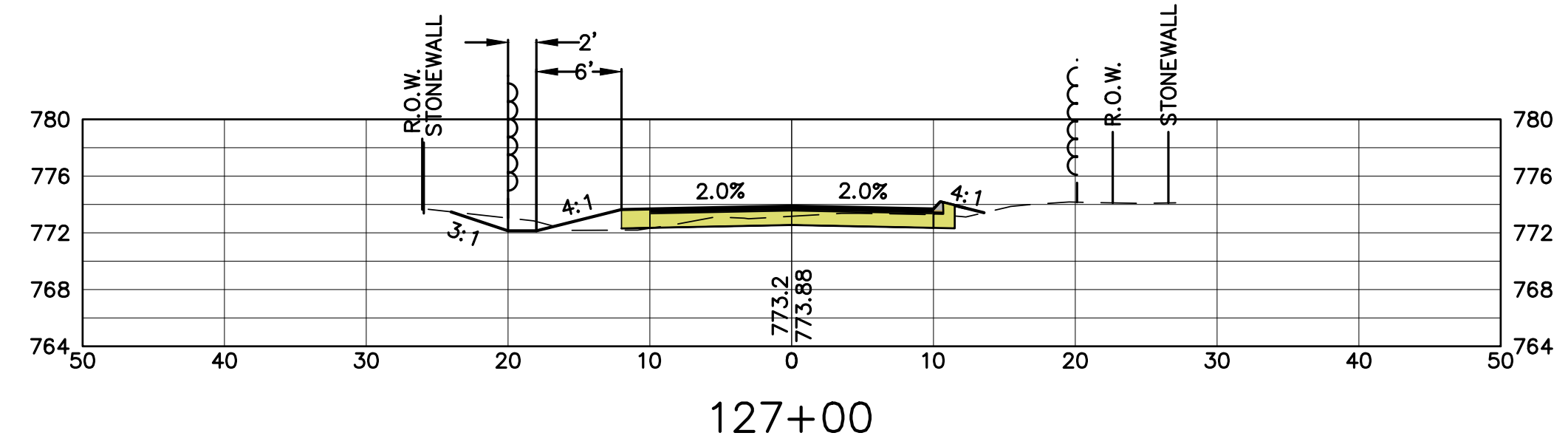
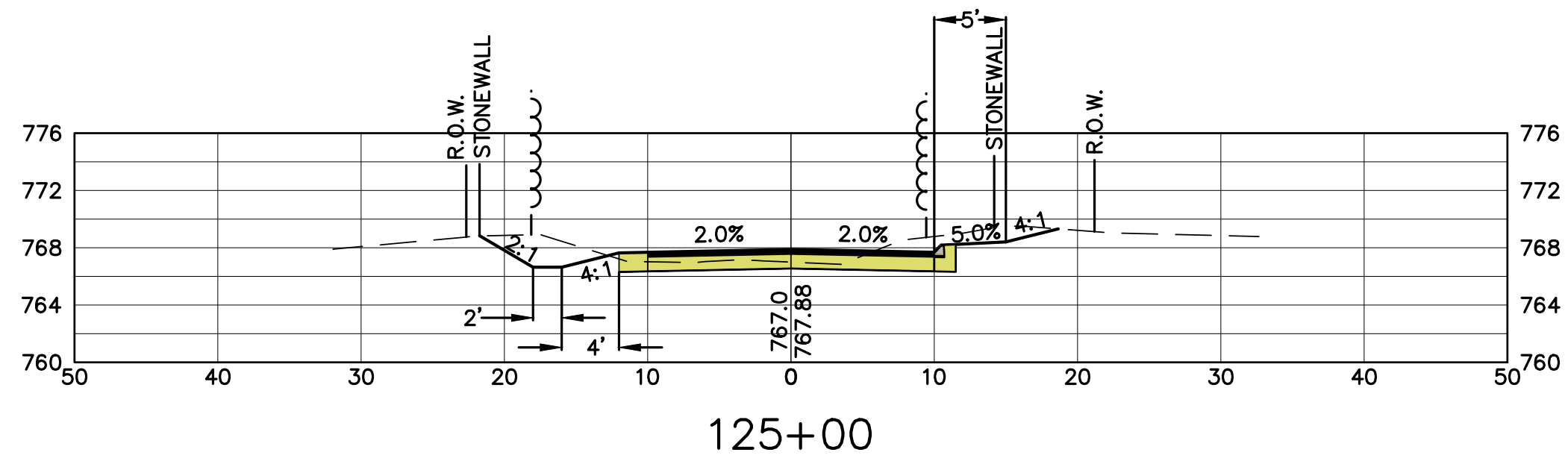
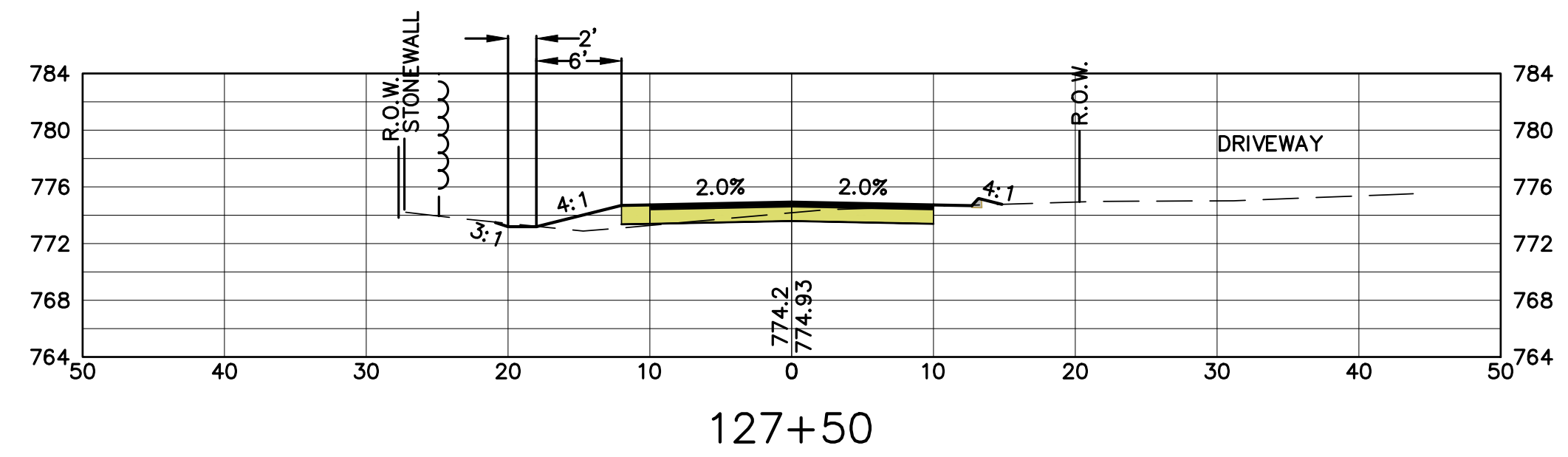
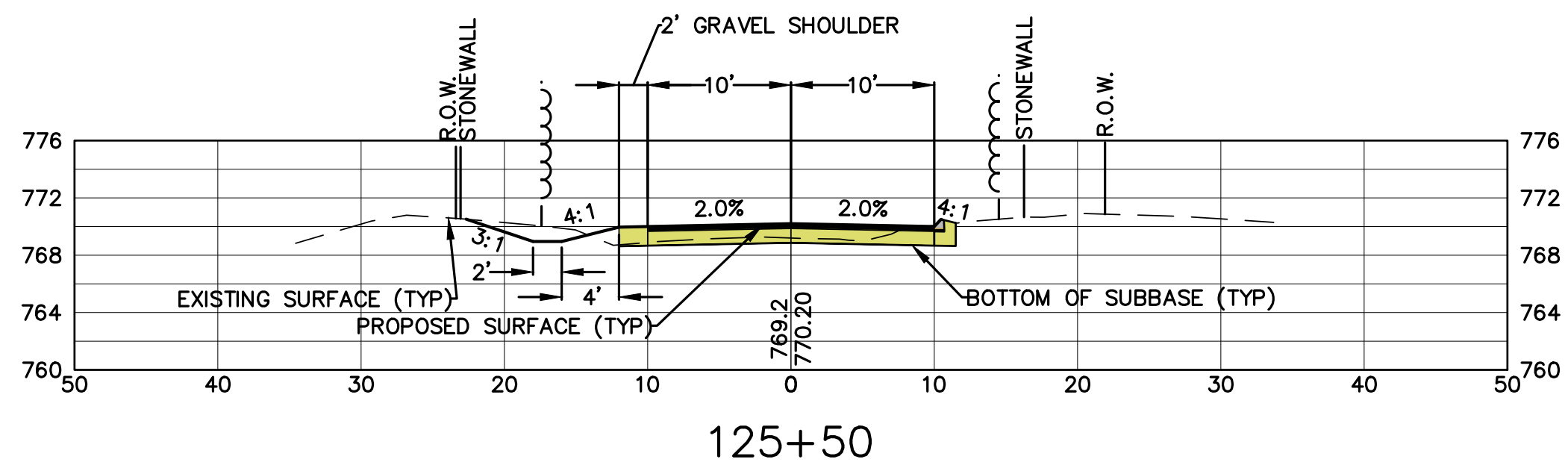
HOLBROOK HILL ROAD ROAD CROSS SECTIONS 114+00 TO 117+00		NO.	DATE	REVISION DESCRIPTION
PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110		DATE: AUGUST 8, 2023		
HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE		SCALE: AS SHOWN		
SHEET: 17 OF 23				



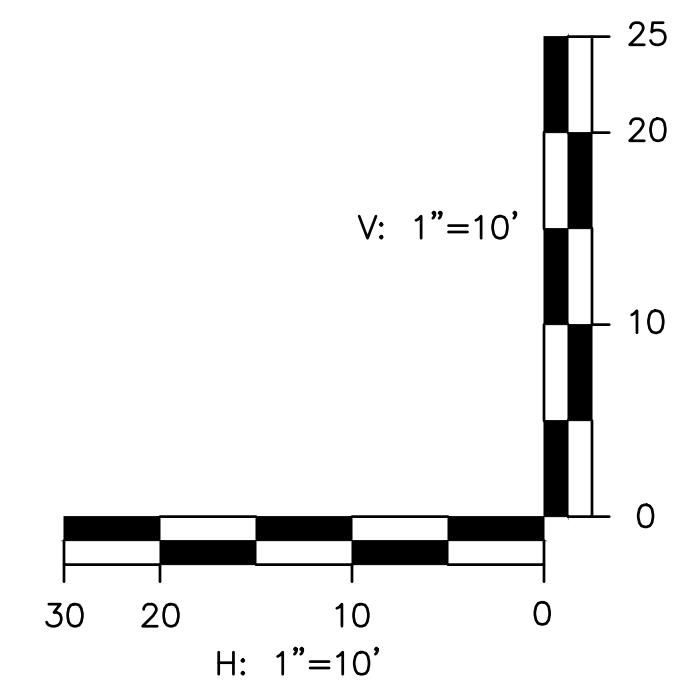
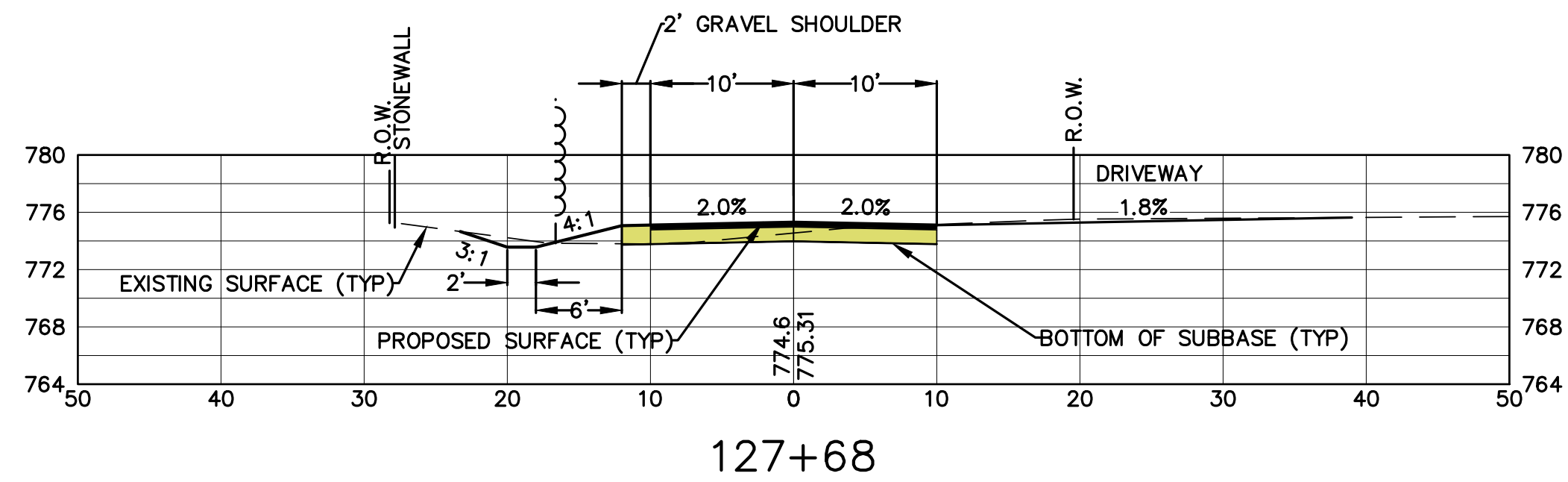
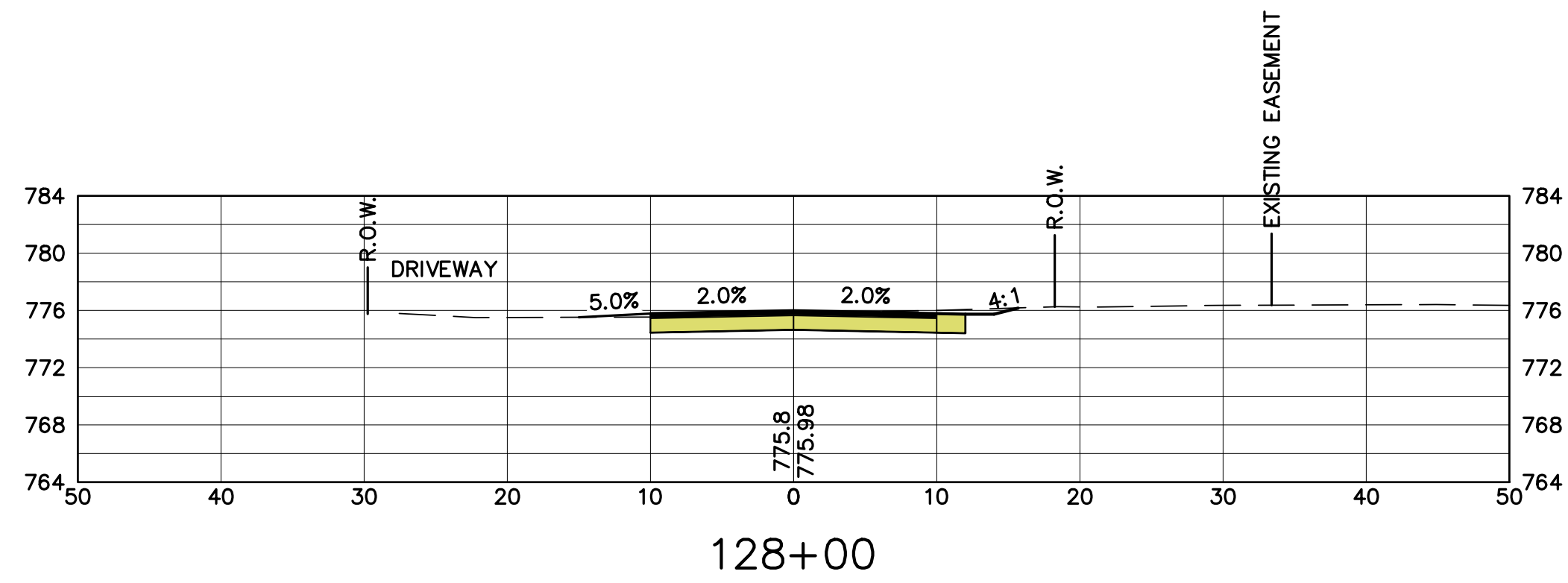
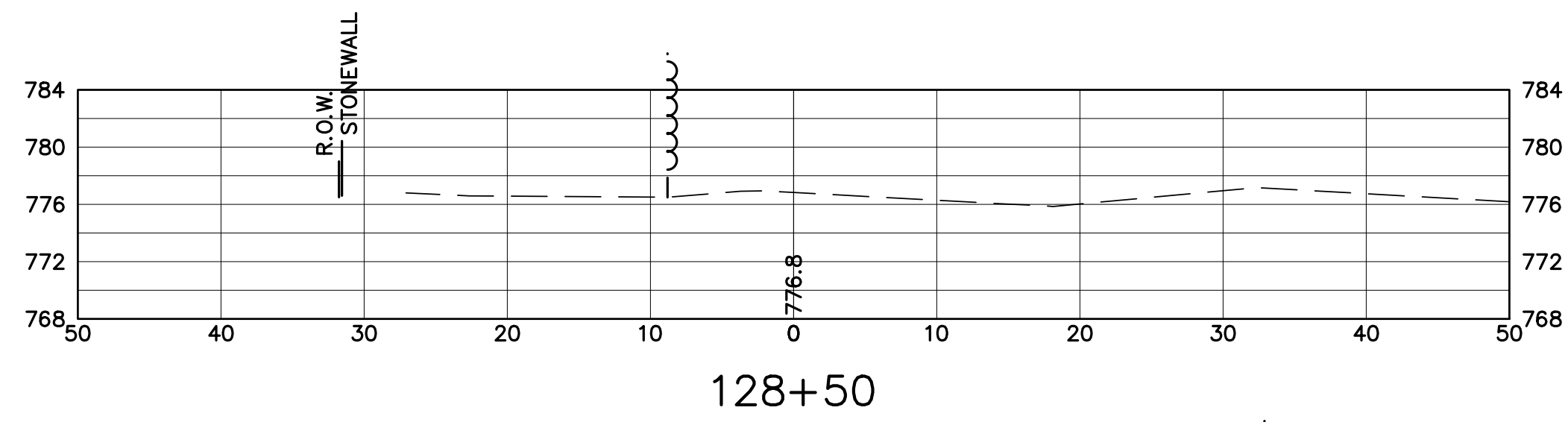
HOLBROOK HILL ROAD ROAD CROSS SECTIONS 117+50 TO 120+50		PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110		DATE: AUGUST 8, 2023	
HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE		SCALE: AS SHOWN		SHEET: 18 OF 23	
NO.	DATE	REVISION	DESCRIPTION		



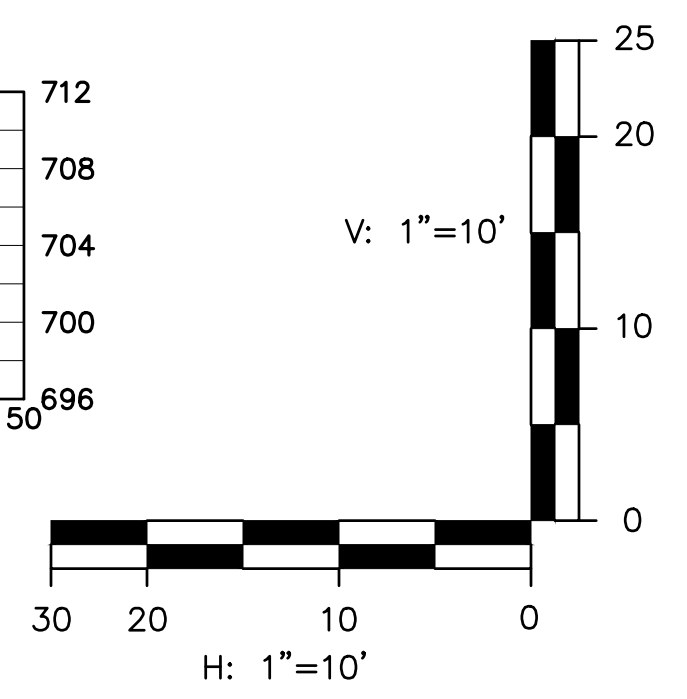
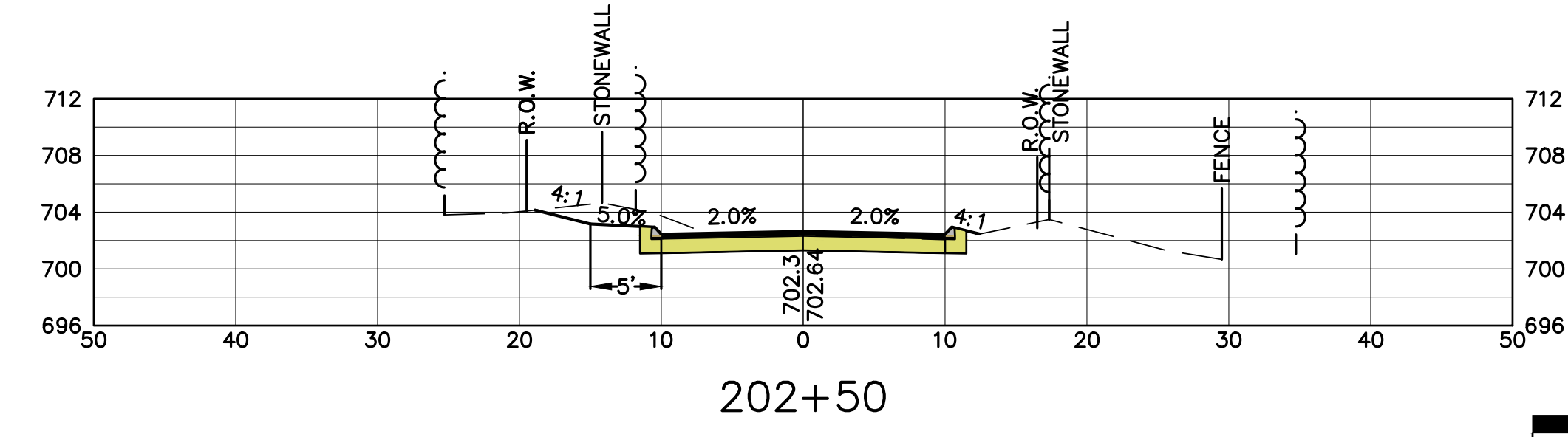
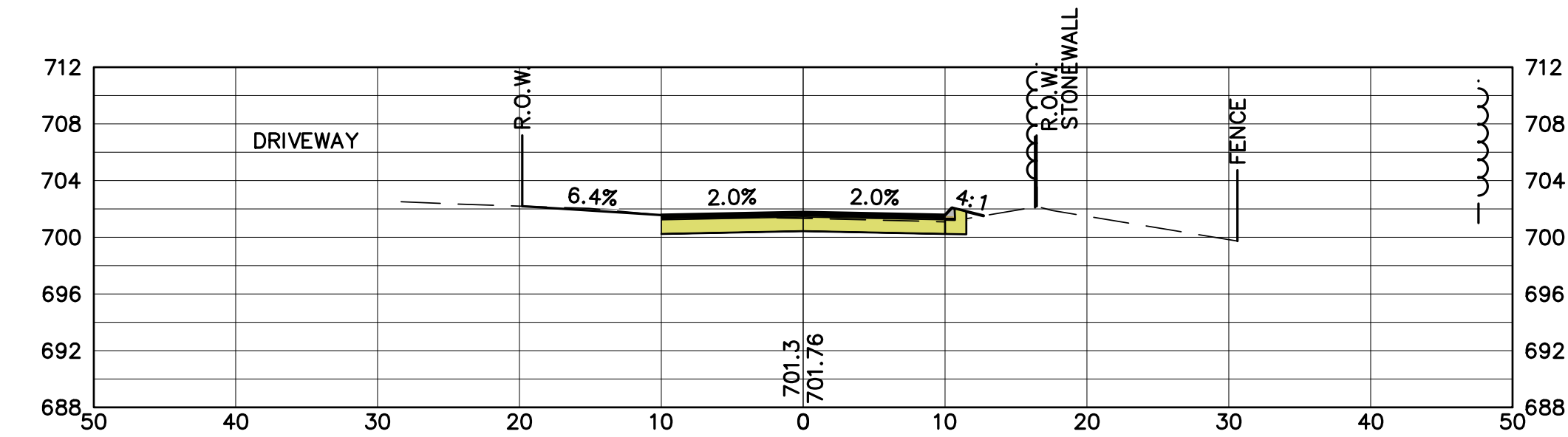
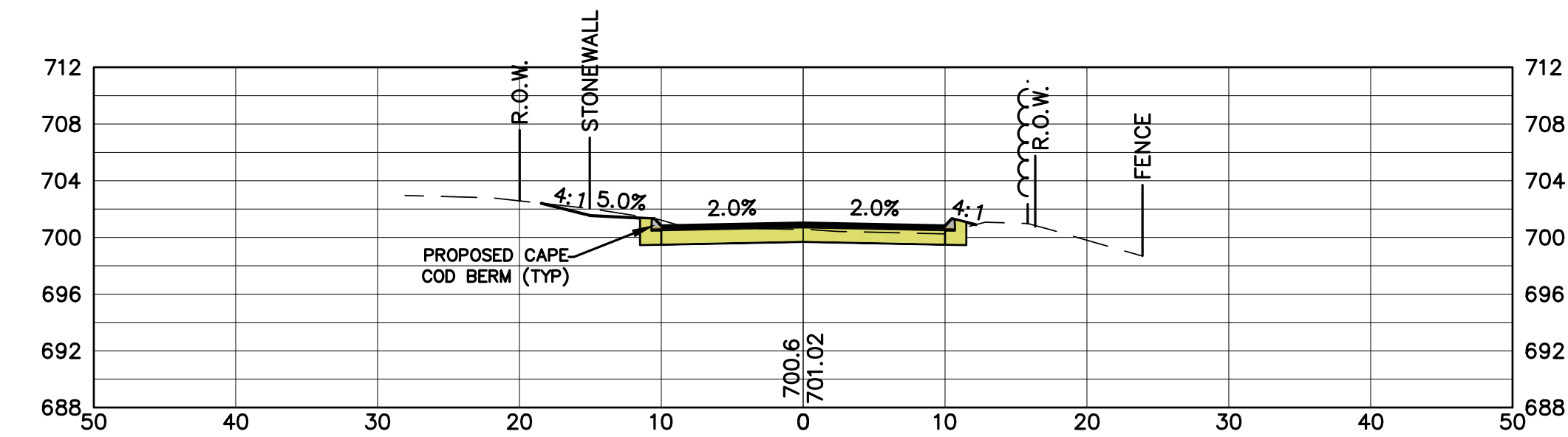
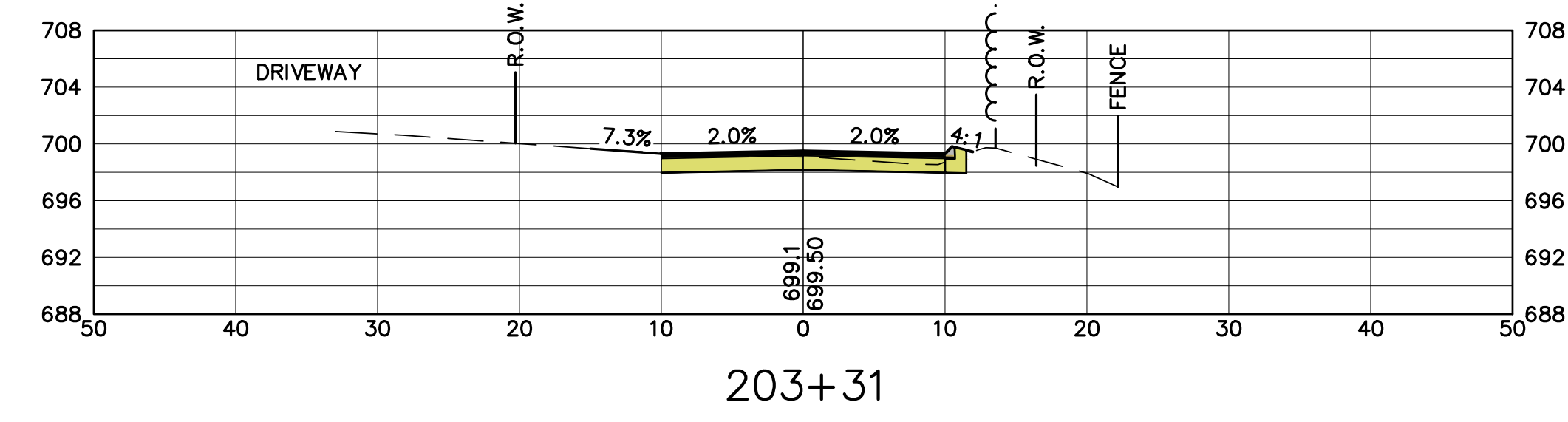
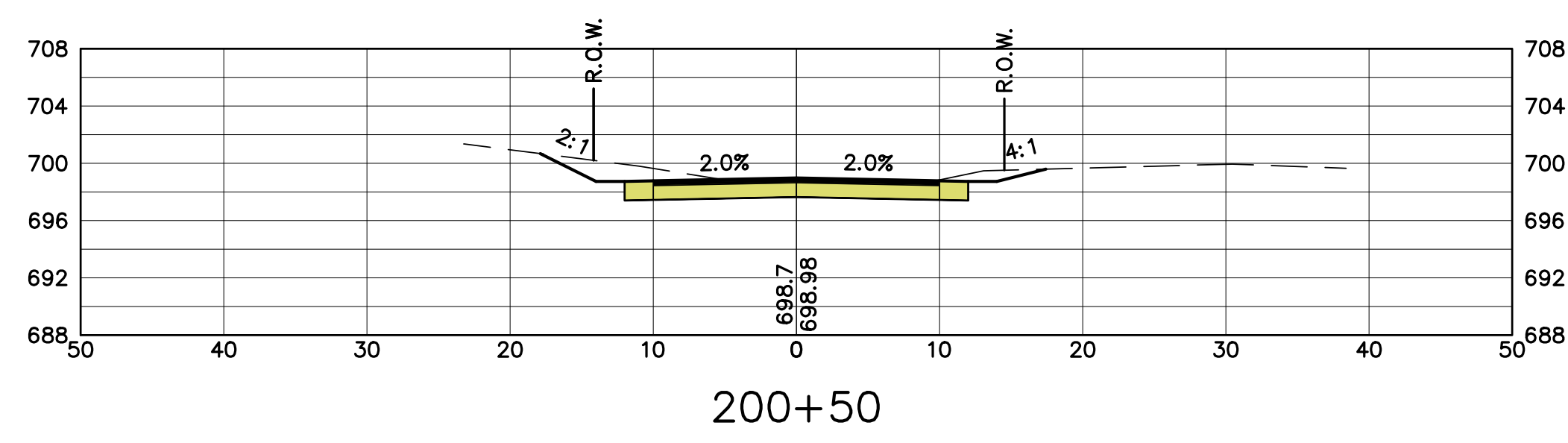
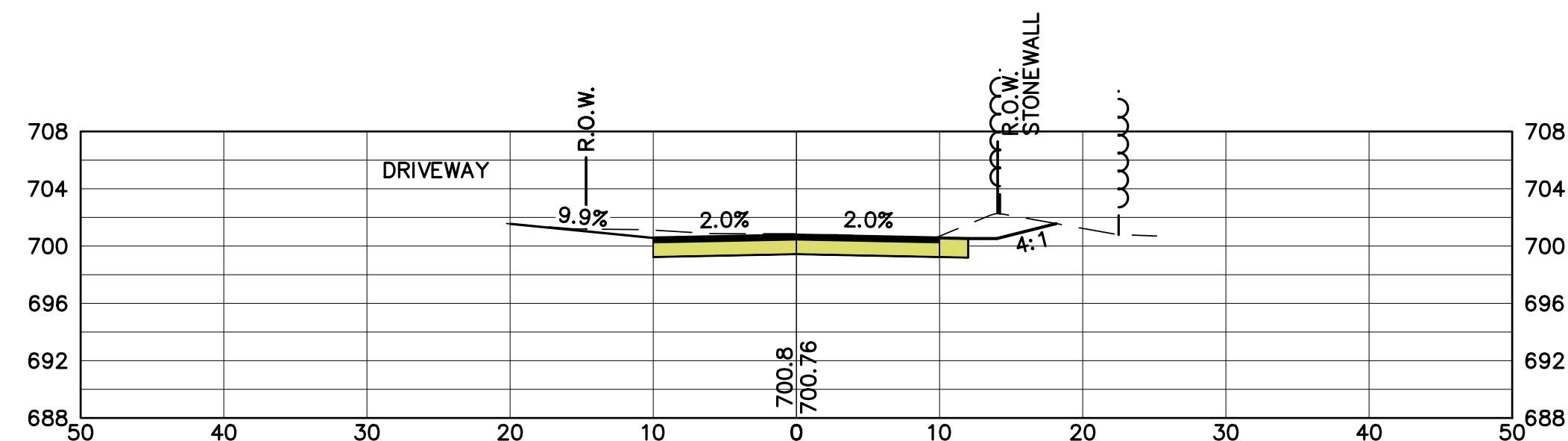
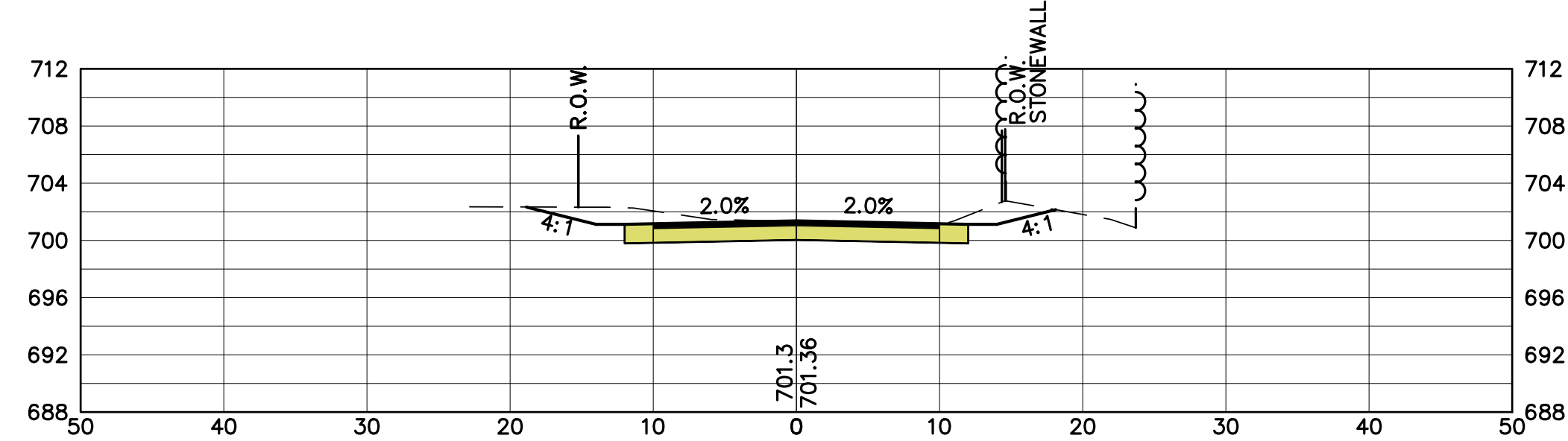
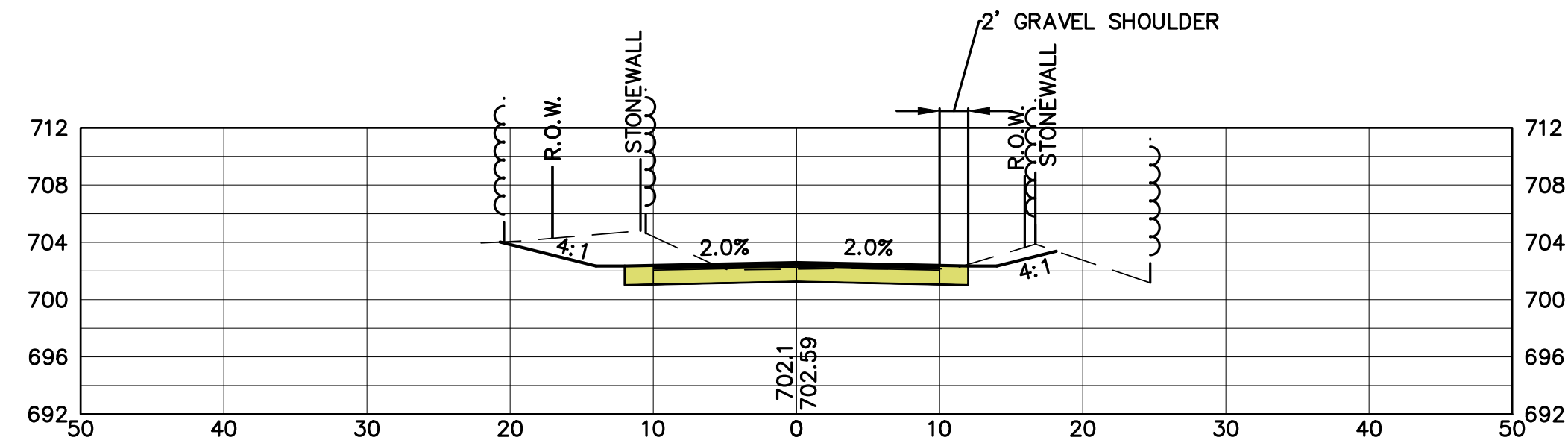
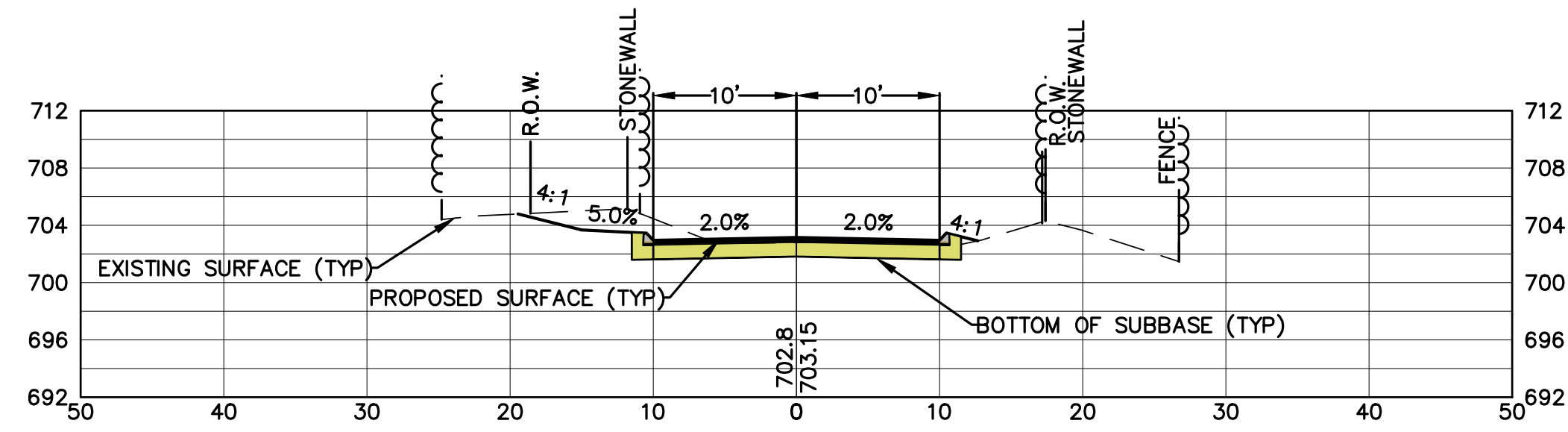
HOLBROOK HILL ROAD CROSS SECTIONS 121+00 TO 124+11		NO.	DATE	REVISION DESCRIPTION
PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110		DATE: AUGUST 8, 2023		
HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE		SCALE: AS SHOWN		
SHEET: 19	OF 23	SHEET: 19 OF 23		



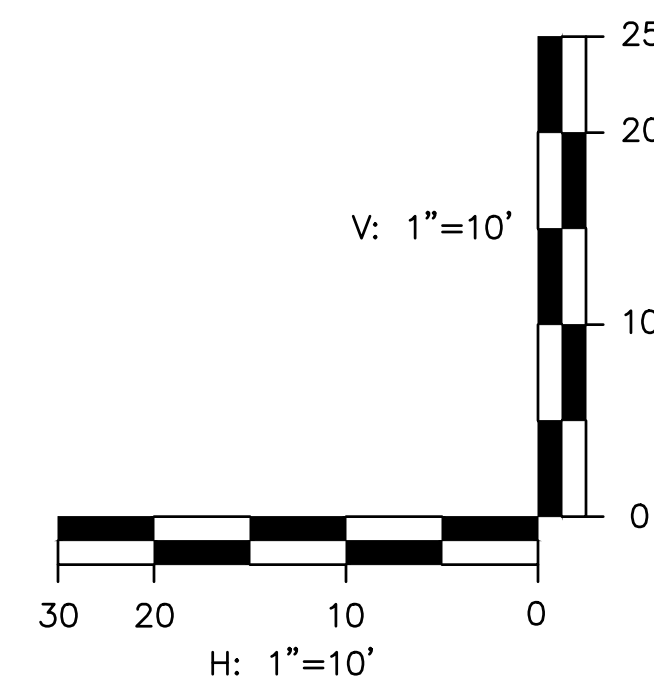
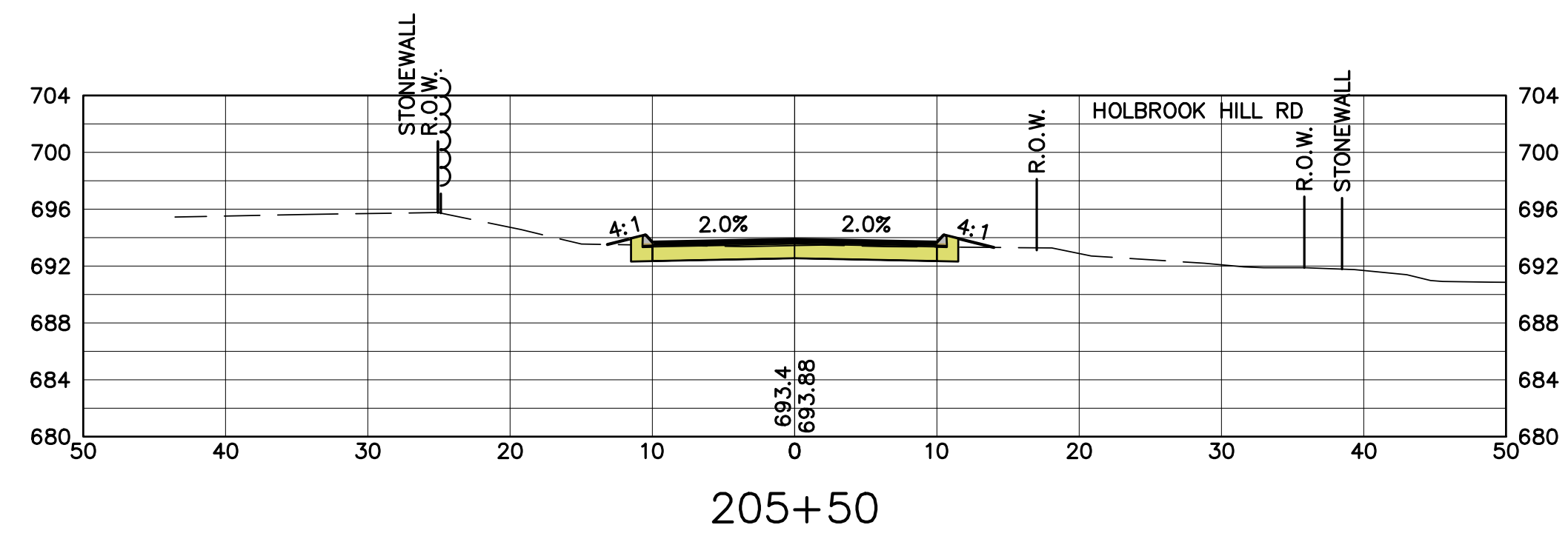
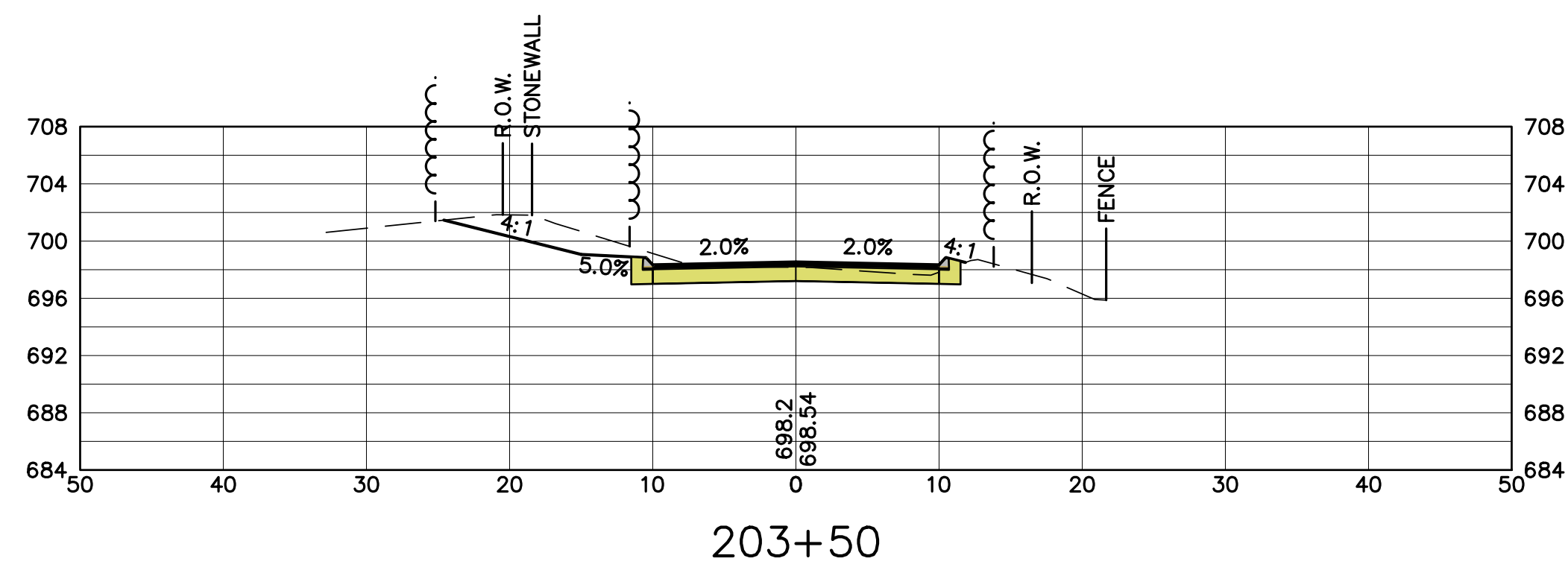
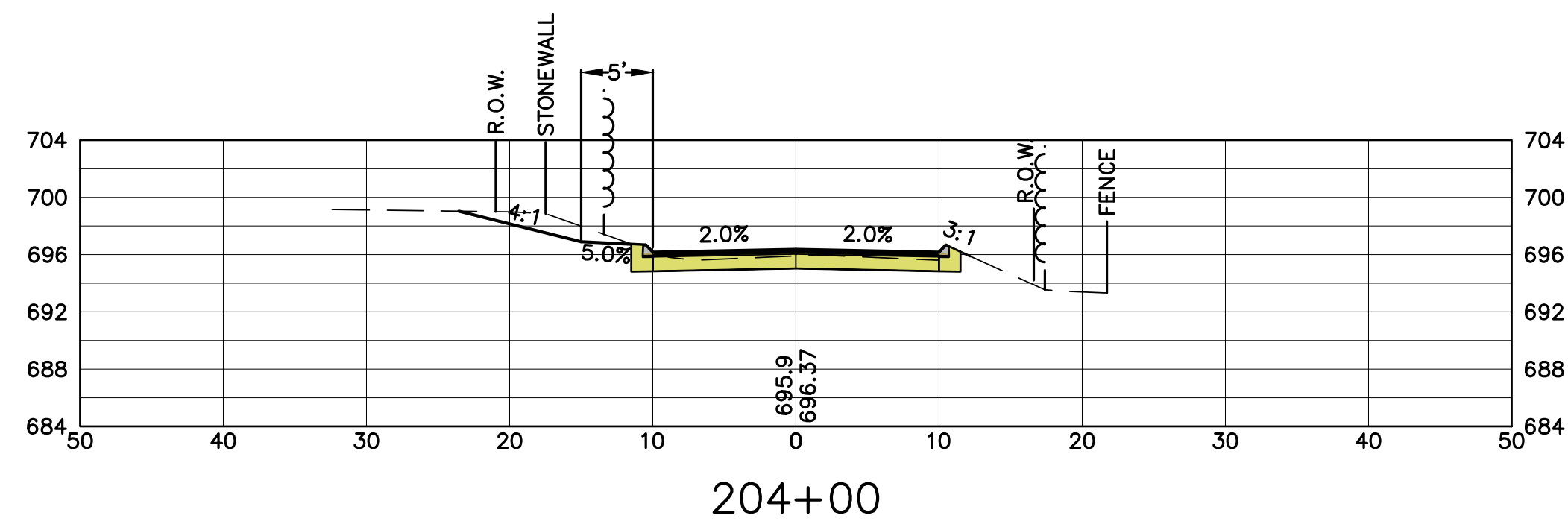
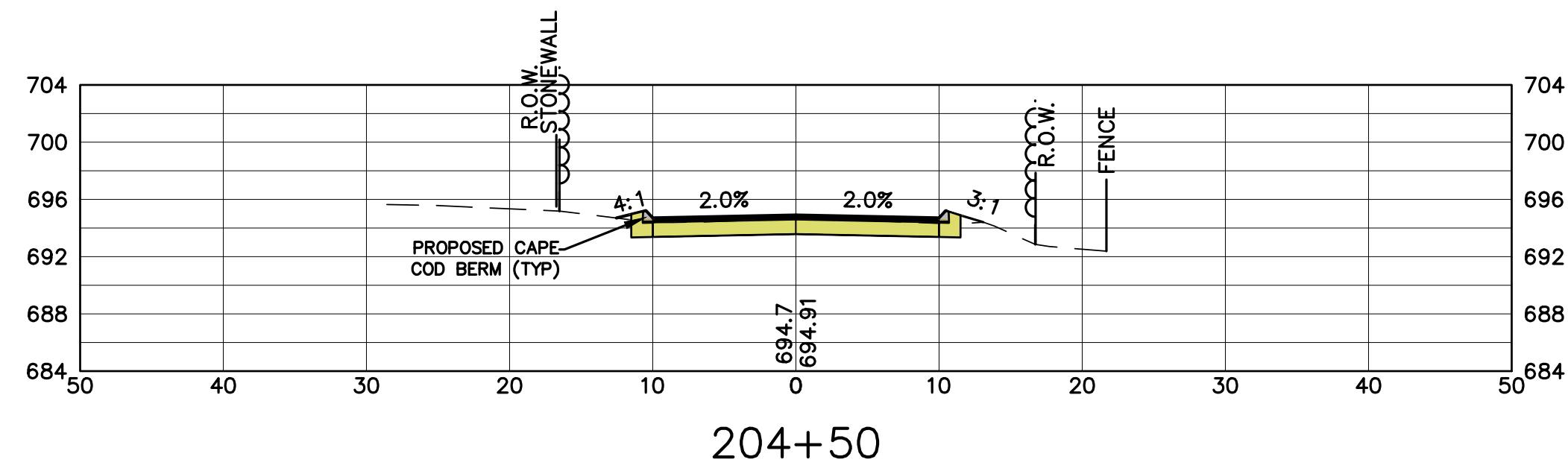
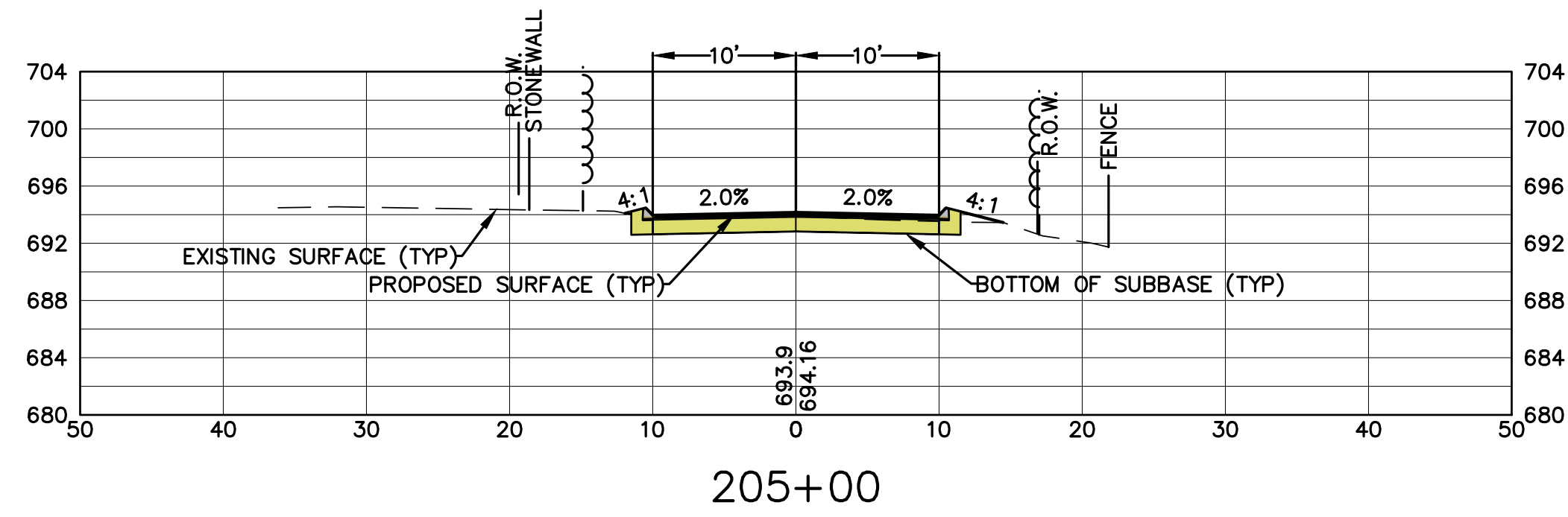
HOLBROOK HILL ROAD ROAD CROSS SECTIONS 124+50 TO 127+50		PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110		DATE: AUGUST 8, 2023	
HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE		SCALE: AS SHOWN		SHEET: 20 OF 23	
NO.	DATE	REVISION	DESCRIPTION		



<p>HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE</p>		<p>PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110</p>	<p>HOLBROOK HILL ROAD CROSS SECTIONS 127+68 TO 128+50</p>
<p>SHEET: 21 OF 23</p>	<p>SCALE: AS SHOWN</p>	<p>DATE: AUGUST 8, 2023</p>	<p>NO. DATE REVISION DESCRIPTION</p>



KING ROAD CROSS SECTIONS 200+50 TO 203+31		PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110	DATE: AUGUST 8, 2023
HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE		SCALE: AS SHOWN	SHEET: 22 OF 23
NO.	DATE	REVISION	DESCRIPTION



HOLBROOK HILL ROAD RECONSTRUCTION PLANS BEDFORD, NEW HAMPSHIRE	PREPARED FOR: TOWN OF BEDFORD 55 CONSTITUTION DRIVE BEDFORD, NEW HAMPSHIRE 03110	KING ROAD CROSS SECTIONS 203+50 TO 205+50	NO.	DATE	REVISION DESCRIPTION
	SHEET: 23 OF 23 SCALE: AS SHOWN		DATE: AUGUST 8, 2023		