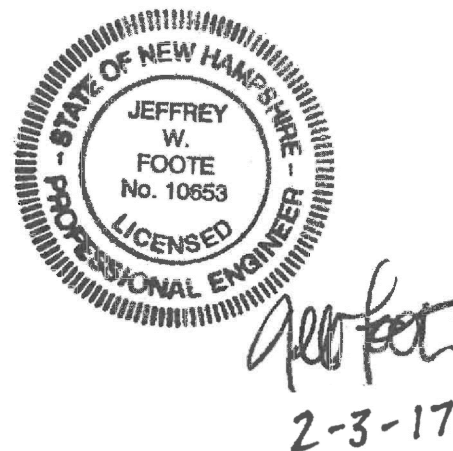
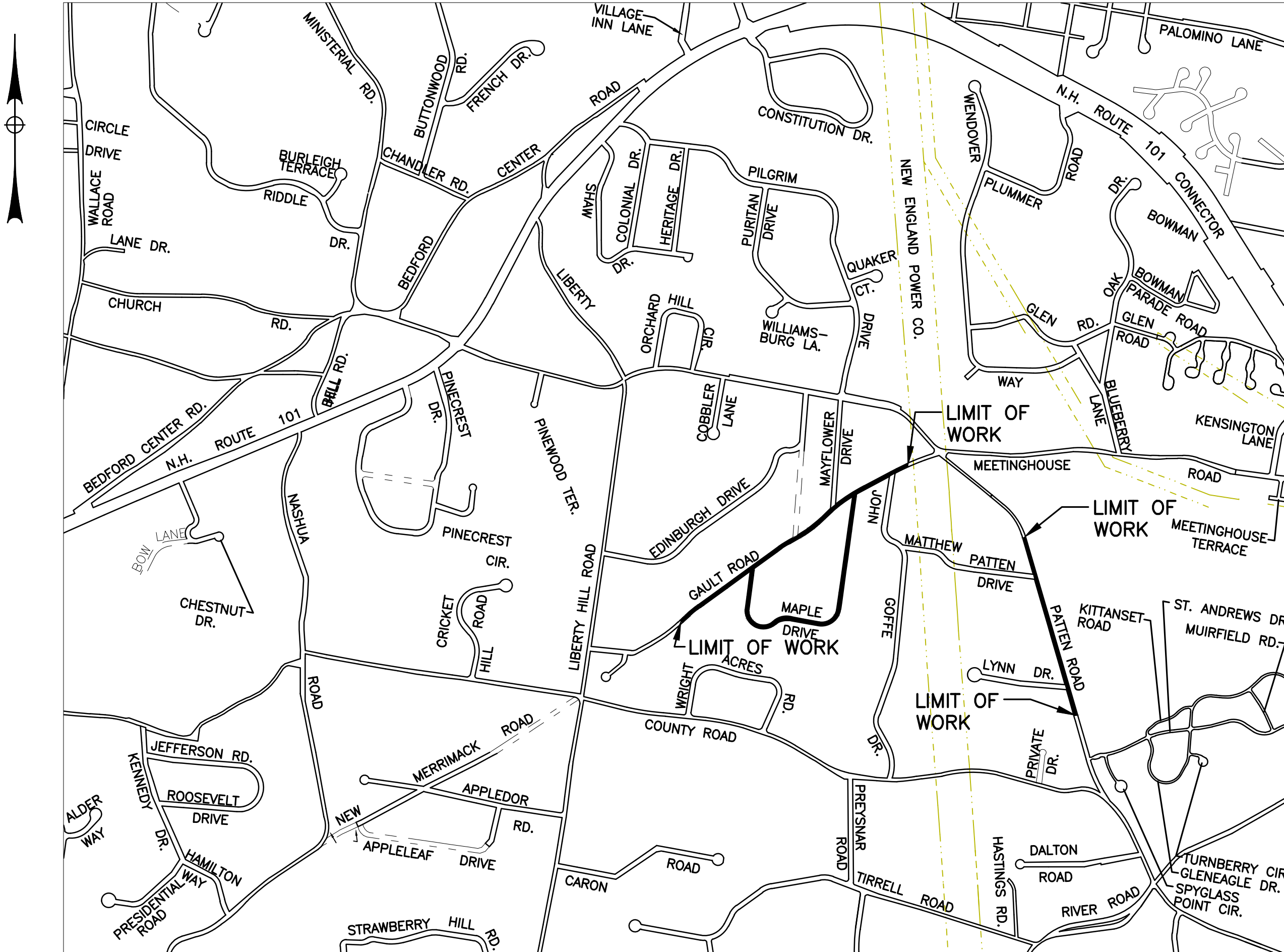


ROADWAY RECONSTRUCTION PLANS

GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD

BEDFORD, NEW HAMPSHIRE



**BEDFORD PUBLIC WORKS
24 NORTH AMHERST ROAD
BEDFORD, NH 03110**



FEBRUARY 3, 2017
PROJECT NO. 12.5-2017

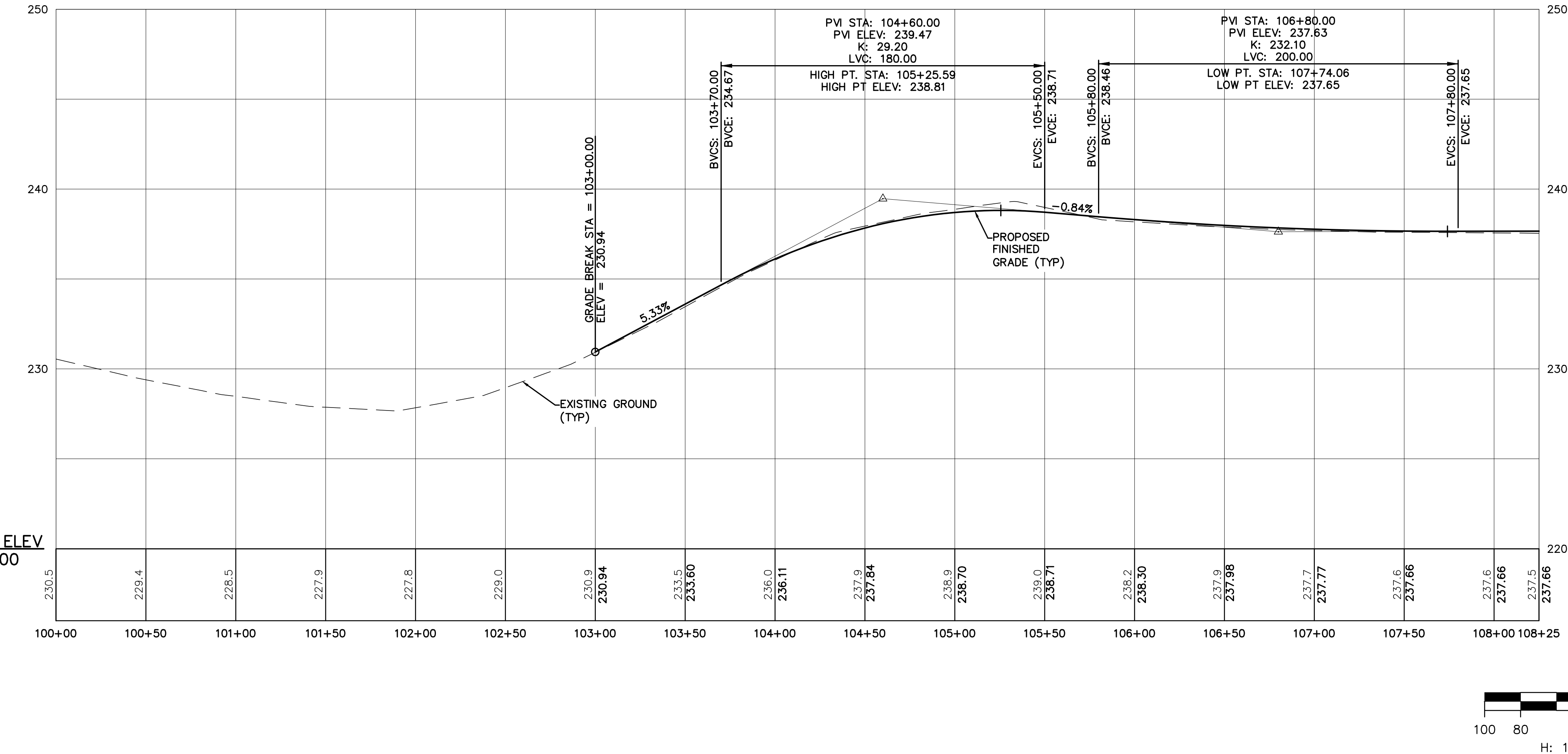
<u>SHEET NO.</u>	<u>DESCRIPTION</u>
	COVER SHEET
1 - 4	GAULT ROAD PLAN AND PROFILES
5 - 8	MAPLE DRIVE PLAN AND PROFILES
9 - 11	PATTEN ROAD PLAN AND PROFILES
12 - 13	DRAINAGE NOTES
14	TYPICAL SECTIONS
15 - 16	DRAINAGE DETAILS
17	MISCELLANEOUS DETAILS
18	EROSION CONTROL DETAILS
19	EROSION CONTROL NOTES
20 - 27	GAULT ROAD CROSS SECTIONS
28 - 36	MAPLE DRIVE CROSS SECTIONS
37 - 41	PATTEN ROAD CROSS SECTIONS

PLAN SET NO.

GENERAL CONSTRUCTION NOTES

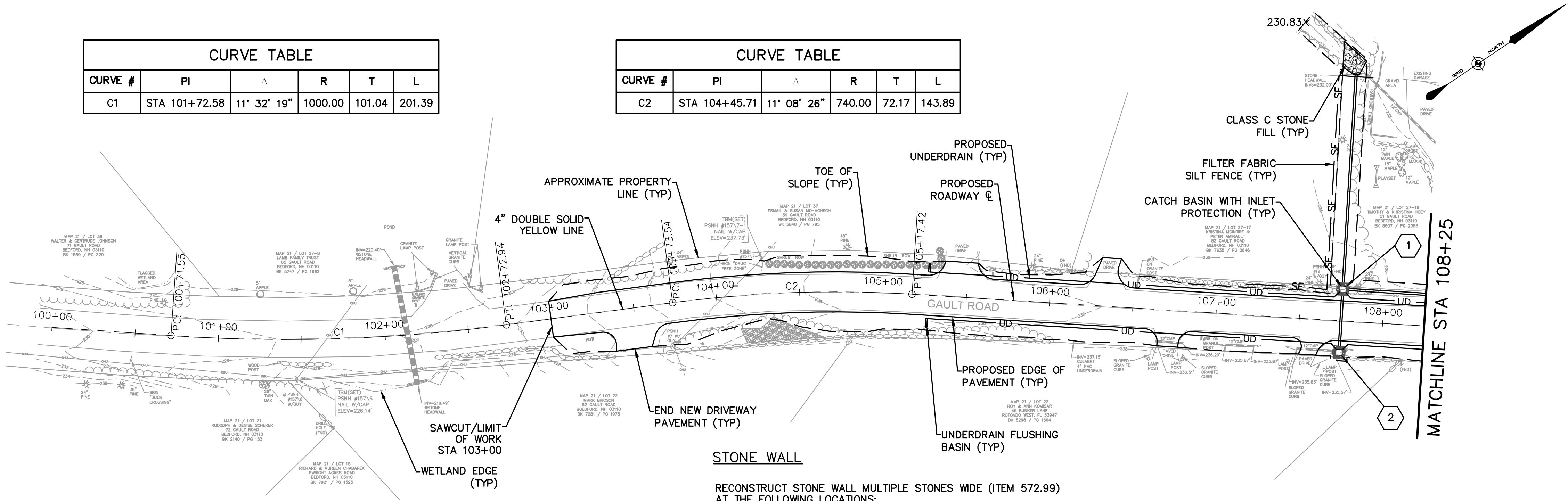
1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED 2016 AND "CONTRACT SPECIFICATIONS OF BEDFORD, NH – DEPARTMENT OF PUBLIC WORKS" OF WHICH THESE PLANS ARE A PART. IN THE EVENT ANY DISCREPANCIES EXIST BETWEEN THESE PLANS AND WRITTEN PORTIONS OF THE CONTRACT SPECIFICATIONS, THE CONTENT OF THE WRITTEN SPECIFICATIONS SHALL PREVAIL.
2. 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.
3. CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES PRIOR TO COMMENCEMENT OF THIS WORK.
4. NO EXISTING MONUMENTS, BOUNDS OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
5. UNSUITABLE MATERIAL, ROOTS AND STUMPS WITHIN THE LIMITS OF ROADBED SHALL BE REMOVED AS ORDERED.
6. 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.
7. 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.
8. THE CONTRACTOR SHALL CONTACT DIGSAFE AT 811 A MINIMUM OF 72 HOURS PRIOR TO ANY EXCAVATION.
9. 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.
10. ANY DITCHLINES THAT EXCEED 6 PERCENT IN GRADE SHALL BE LINED WITH RIP-RAP OR TURF REINFORCEMENT MATTING AS SPECIFIED ON THE PLANS.
11. ALL SIGNS, MAILBOXES, PROPERTY BOUNDS, ETC. DISTURBED BY THE CONSTRUCTION ACTIVITIES SHALL BE RESET BY THE CONTRACTOR OR HIS AGENT.
12. SAWCUT ALL EXISTING PAVEMENT AT LIMITS OF WORK.
13. CONTRACTOR SHALL COORDINATE WITH THE FIELD ENGINEER AND REMOVE TREES AS NECESSARY TO COMPLETE THE WORK AND/OR AS DIRECTED BY THE TOWN ENGINEER.
14. CONSTRUCT PAVED DRIVE APRON FOR ALL EXISTING DRIVEWAYS AS DIRECTED.
15. ALL NEW EMBANKMENT SLOPES SHALL BE LOAMED AND SEEDED. MULCH AS DIRECTED.
16. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR TRAFFIC CONTROL AND ASSOCIATED SIGNAGE AND WARNING DEVICES DURING EXECUTION OF THIS CONTRACT.
17. CATCH BASIN RIM ELEVATIONS SHALL BE SET TO ASPHALT BINDER GRADE. FUTURE WEARING COURSE SHALL TAPER INTO THE GRATE.
18. GROUND SURVEY AND BASE PLAN PROVIDED BY SANDFORD SURVEYING AND ENGINEERING, INC, BEDFORD, NH.
19. TYPICAL SECTIONS AND DETAILS PROVIDED BY TOWN OF BEDFORD, NH.
20. EXPOSED SOILS IN DELINEATED WETLANDS AT OUTFALLS AND ALONG SWALES WILL BE SEEDED WITH ERNMX-137, SPECIALIZED WETLAND MIX FOR SHADED OBL-FACW AREAS, OR EQUIVALENT.
21. CONTRACTOR TO MAINTAIN EXISTING DRIVE PIPES UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER.

DATUM ELEV
220.00



CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C1	STA 101+72.58	11° 32' 19"	1000.00	101.04	201.39

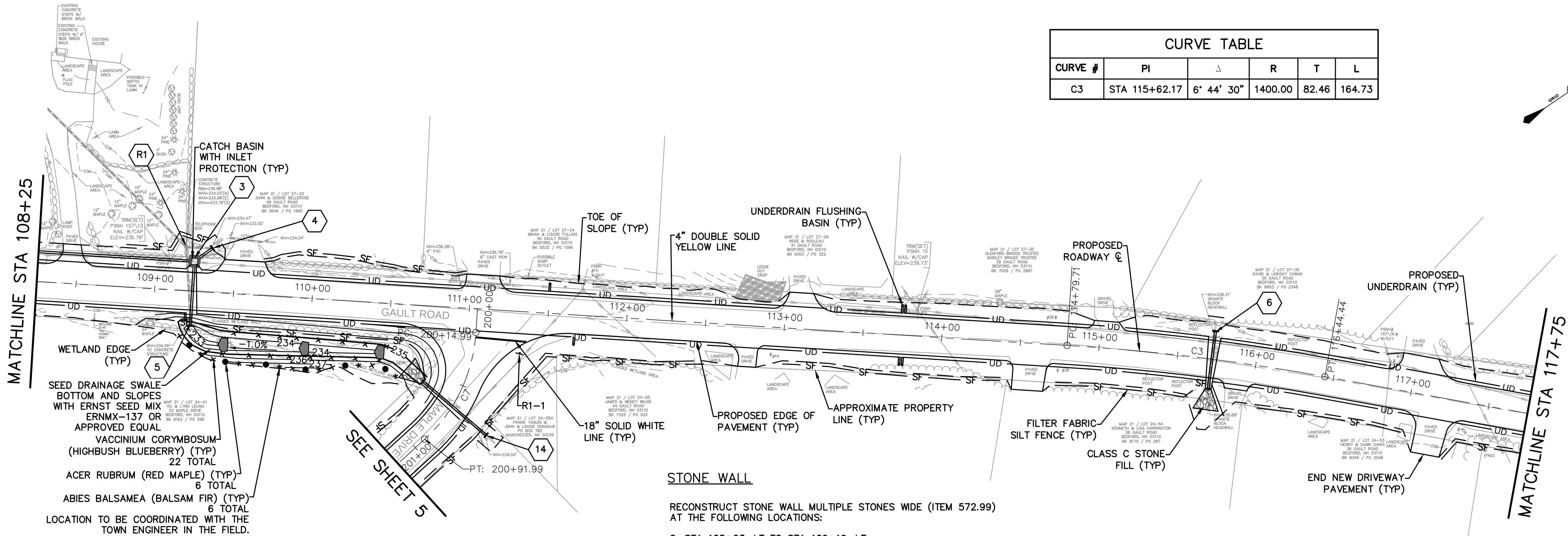
CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C2	STA 104+45.71	11° 08' 26"	740.00	72.17	143.89



GAULT ROAD PLAN
AND PROFILE

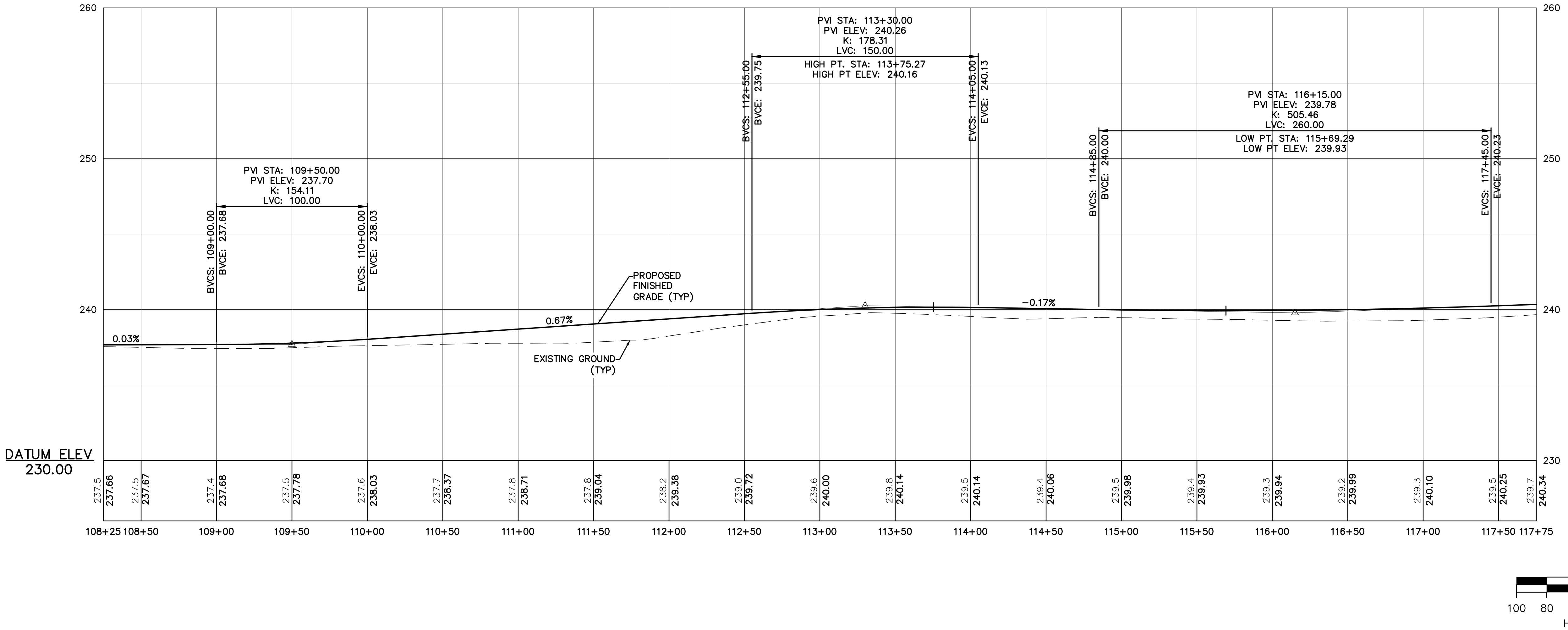
PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE



CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C3	STA 115+62.17	6° 44' 30"	1400.00	82.46	164.73

STONE WALL
RECONSTRUCT STONE WALL MULTIPLE STONES WIDE (ITEM 572.99)
AT THE FOLLOWING LOCATIONS:
2. STA 108+63, LT TO STA 109+19, LT
3. STA 109+26, LT TO STA 109+42, LT
4. STA 109+68, LT TO STA 110+58, LT

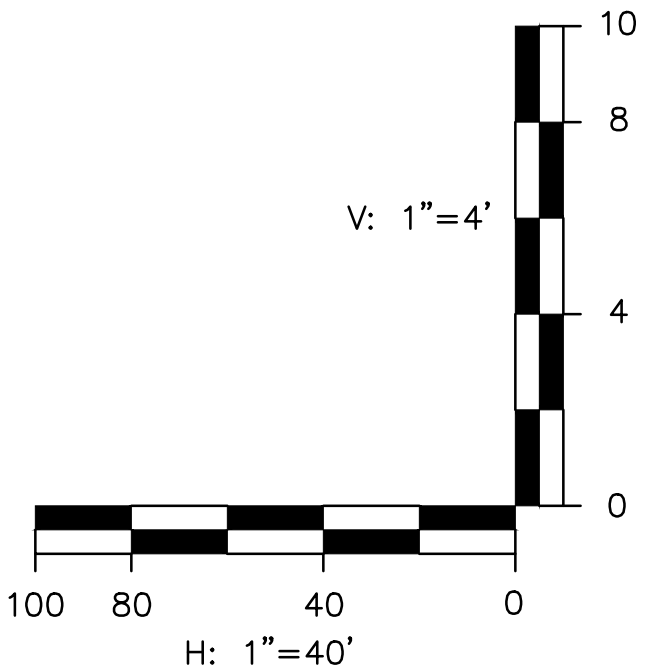
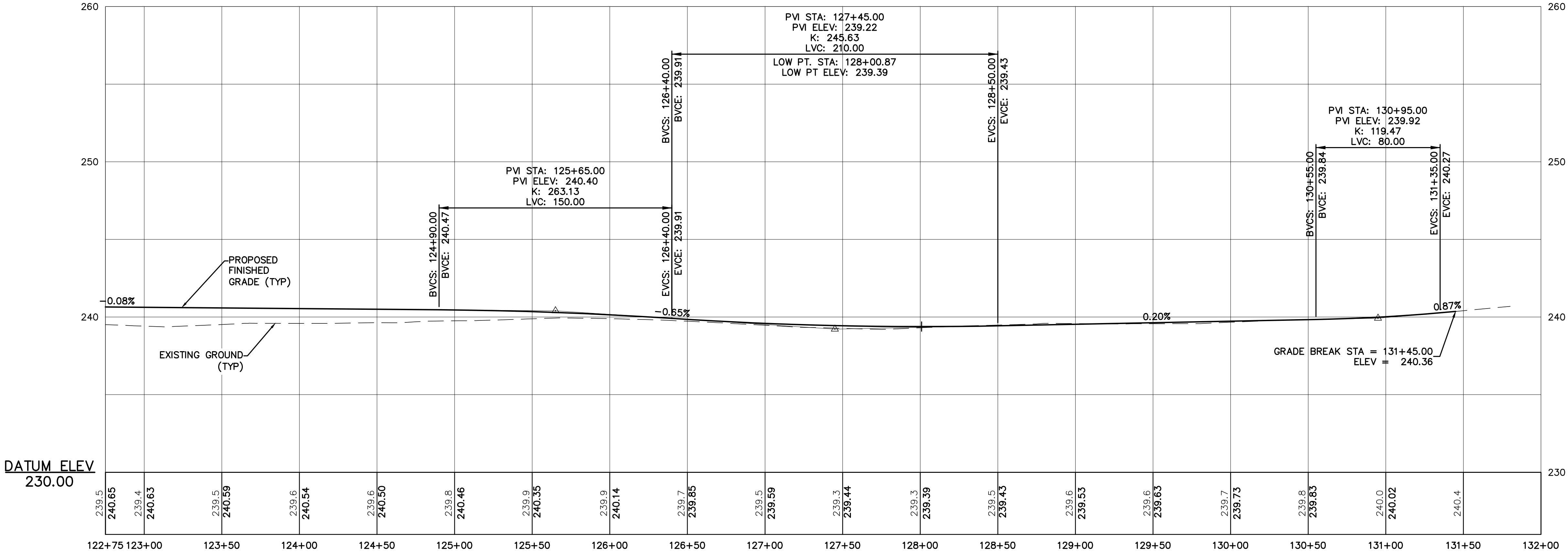
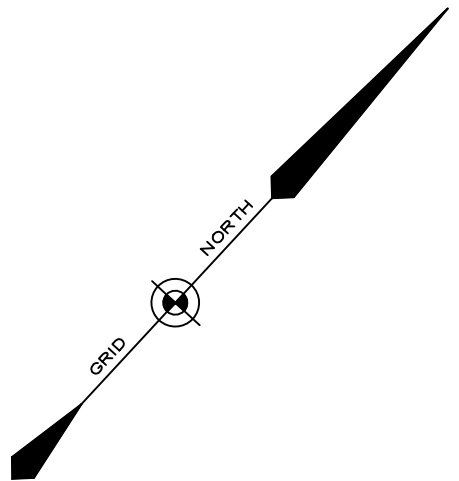
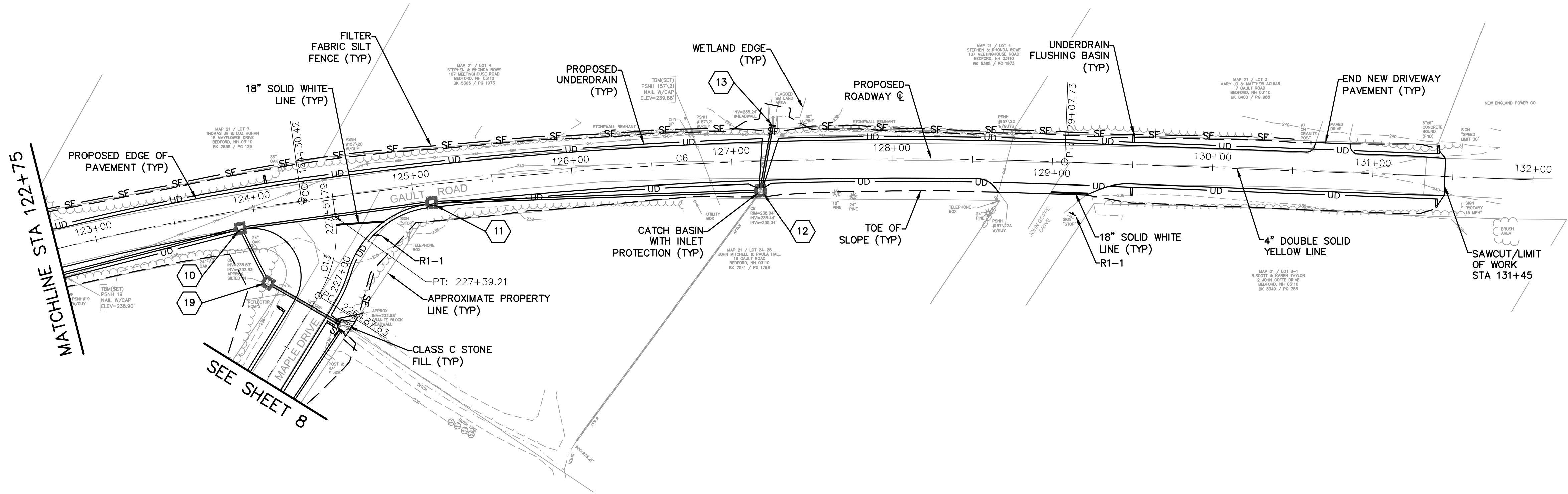


GAULT ROAD PLAN
AND PROFILE

PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE

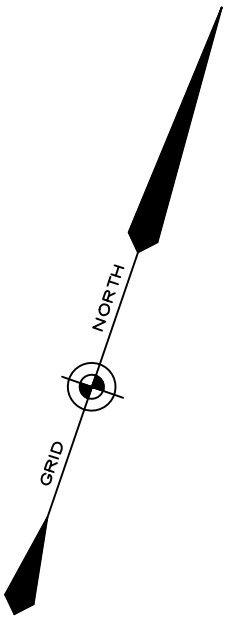
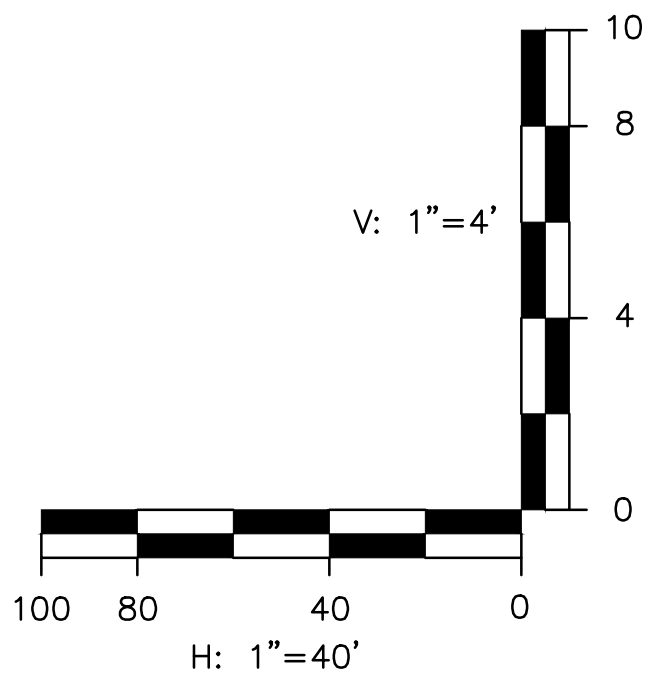
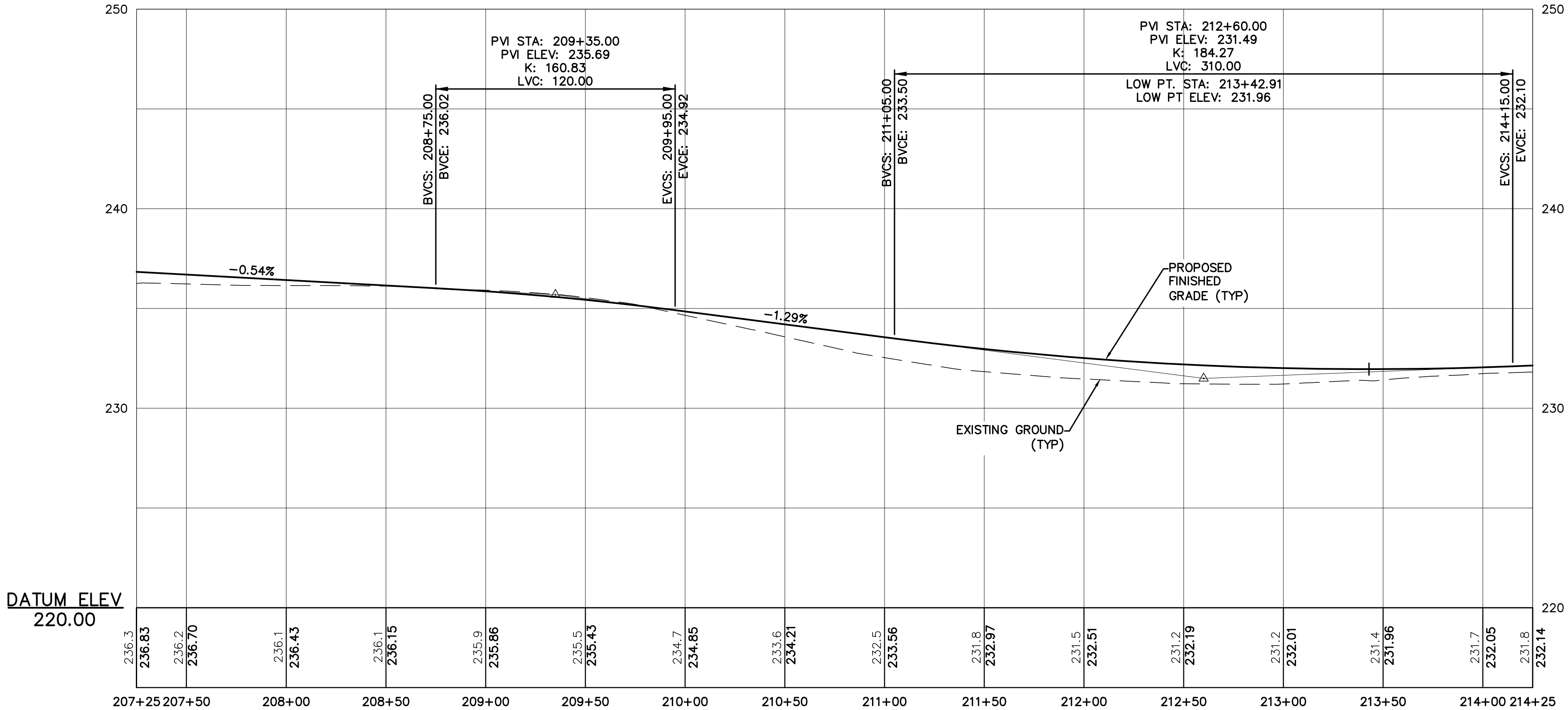
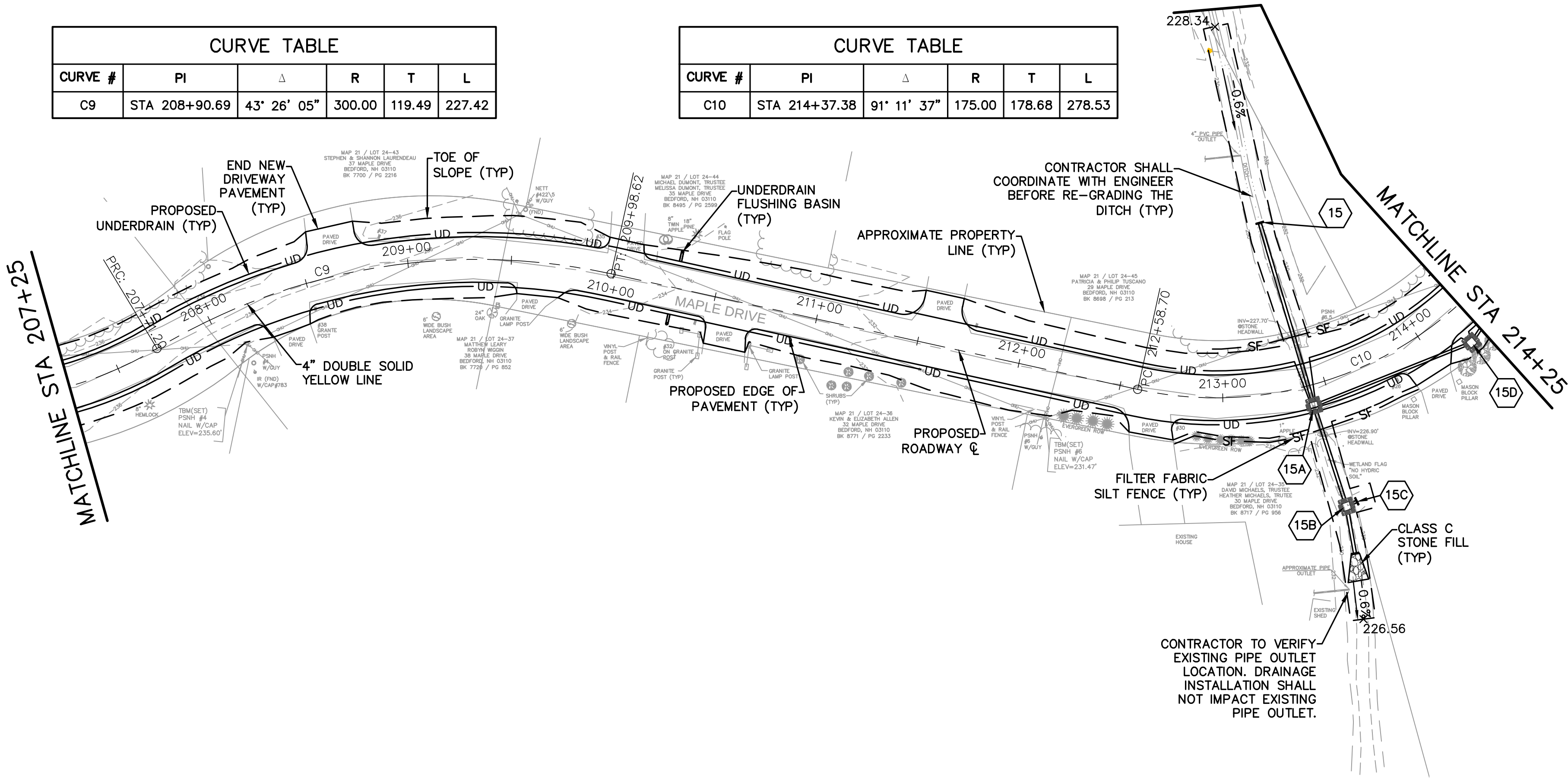
CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C6	STA 126+69.71	10° 12' 16"	2680.00	239.29	477.31



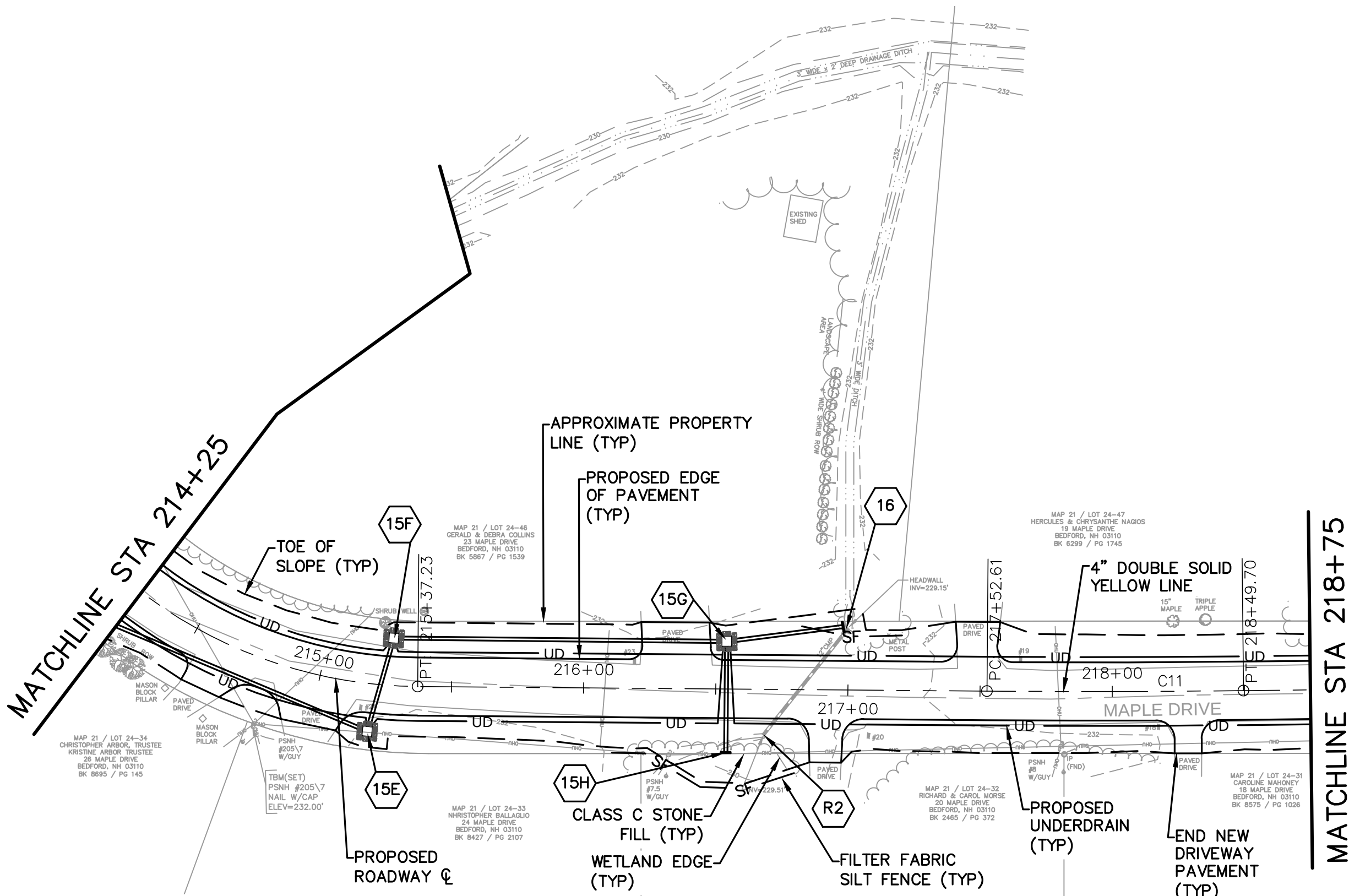
GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION BEDFORD, NEW HAMPSHIRE	PREPARED FOR: TOWN OF BEDFORD 24 NORTH AMHERST ROAD BEDFORD, NEW HAMPSHIRE 03110	DATE: FEBRUARY 3, 2017	PROJ. 12.5-2017	REVISION DESCRIPTION	
				NO.	DATE

CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C9	STA 208+90.69	43° 26' 05"	300.00	119.49	227.42

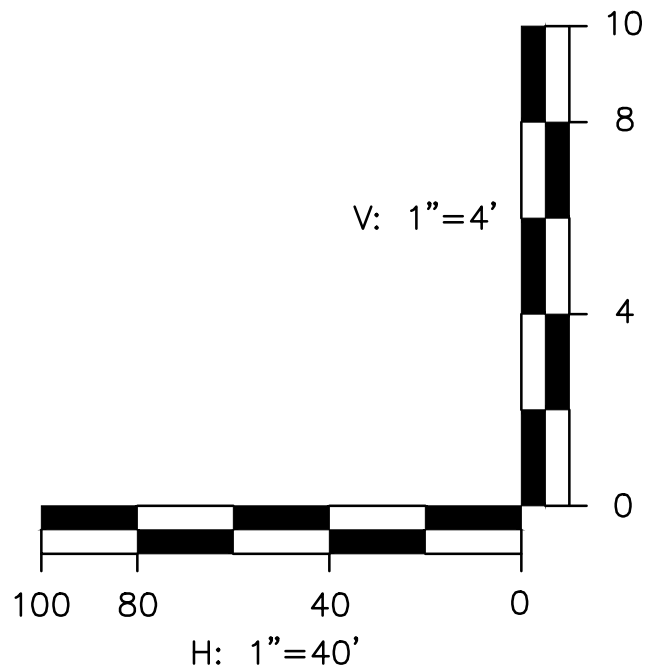
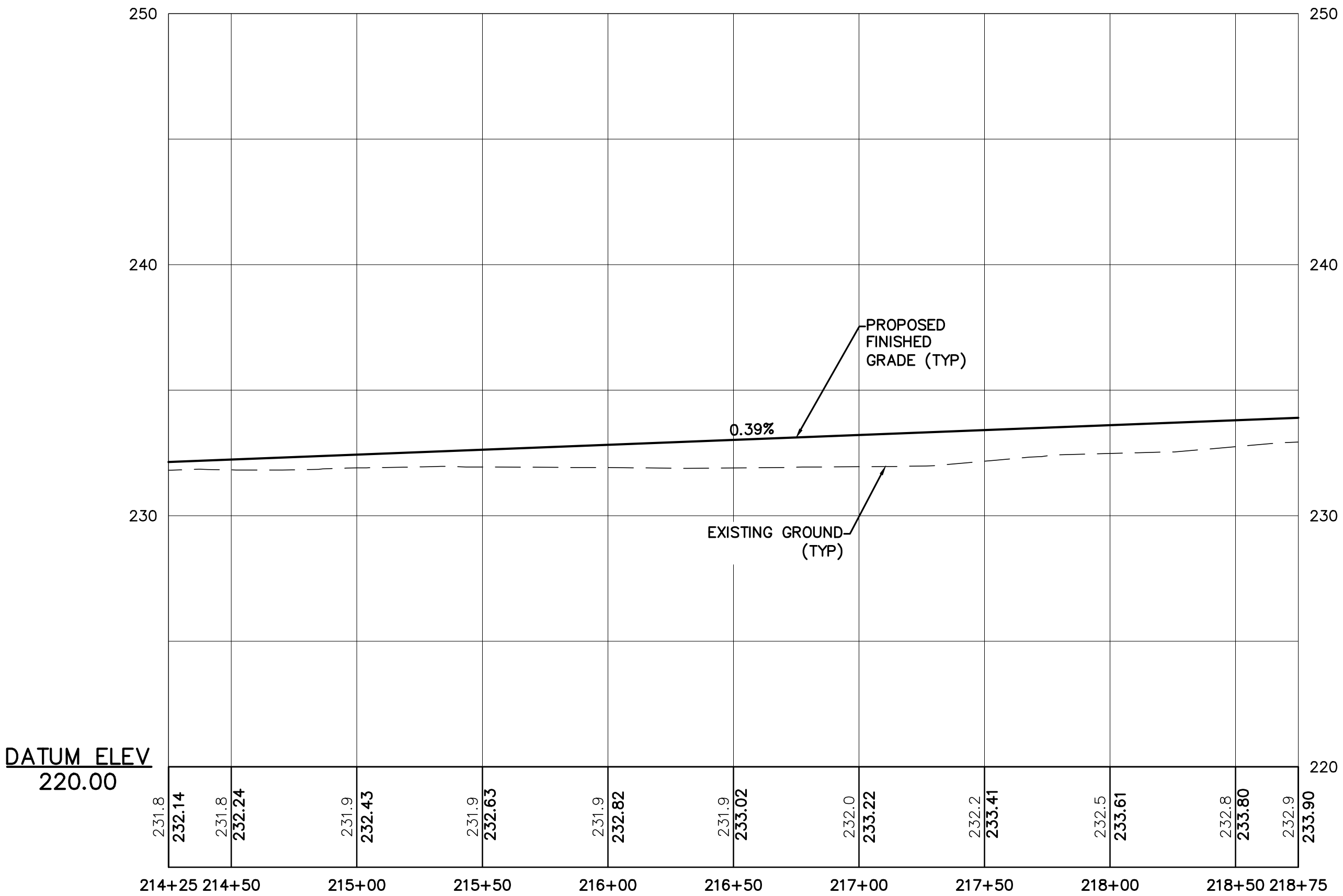
CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C10	STA 214+37.38	91° 11' 37"	175.00	178.68	278.53



GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION BEDFORD, NEW HAMPSHIRE			PREPARED FOR: TOWN OF BEDFORD 24 NORTH AMHERST ROAD BEDFORD, NEW HAMPSHIRE 03110		MAPLE DRIVE PLAN AND PROFILE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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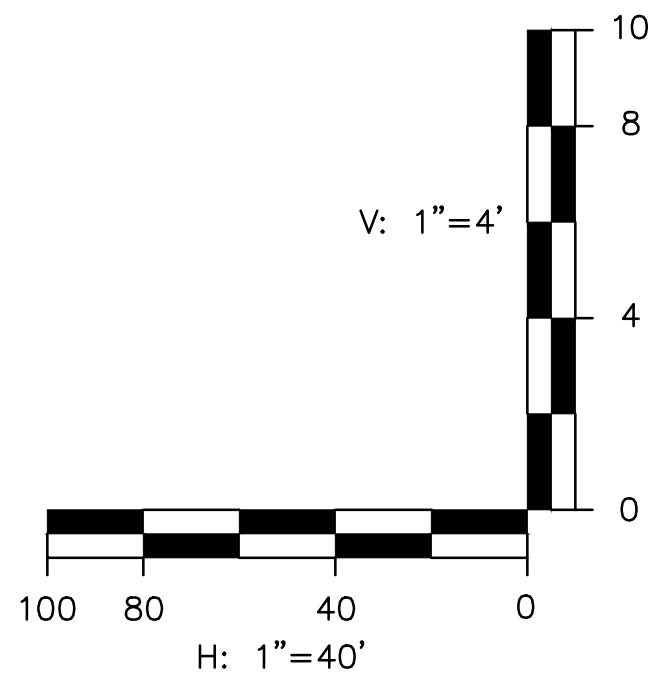
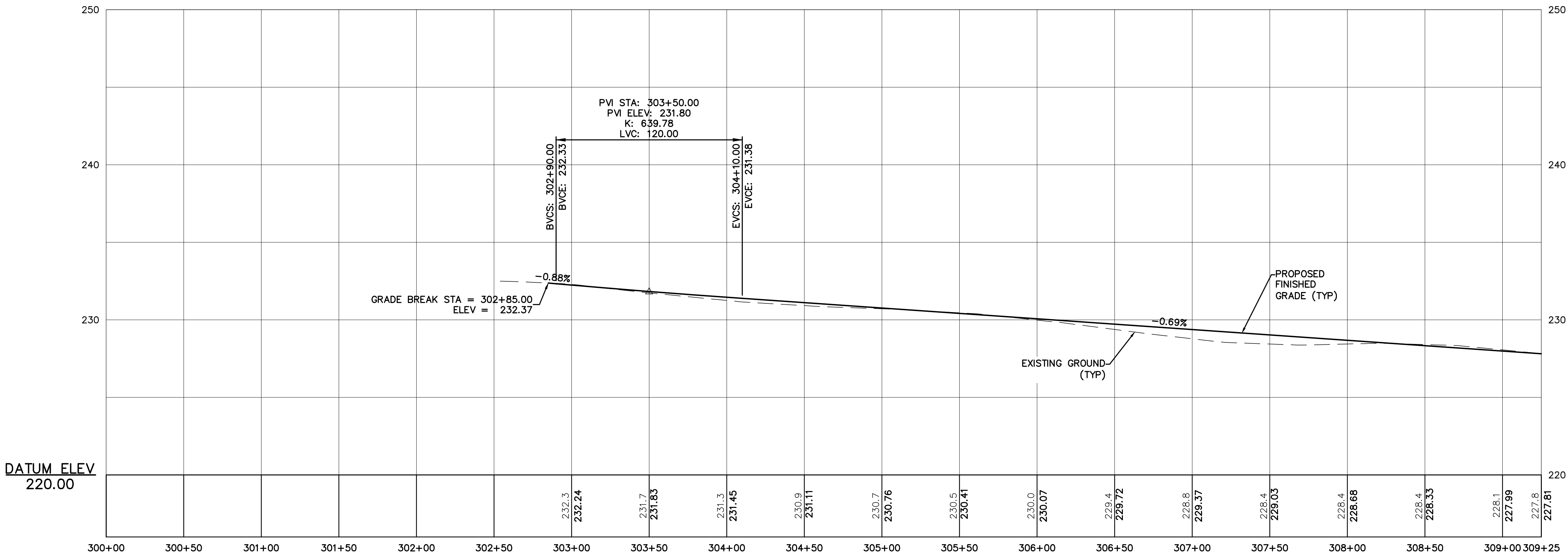
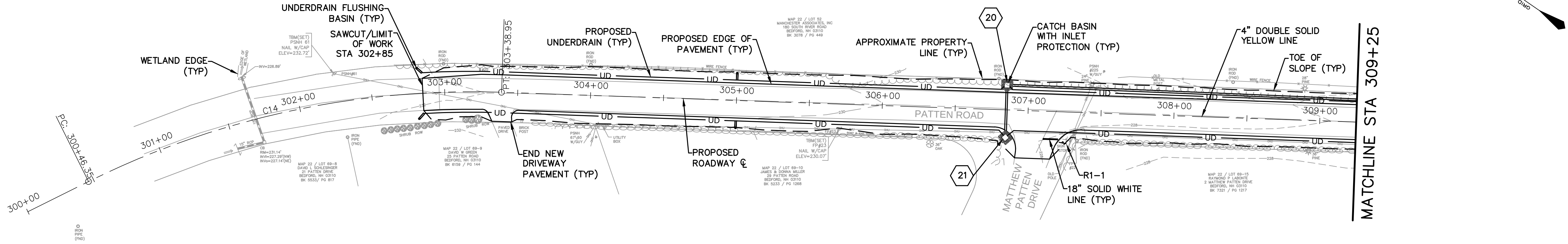


CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C11	STA 218+01.15	1° 06' 45"	5000.00	48.55	97.09



GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION BEDFORD, NEW HAMPSHIRE	SHEET: 7	OF 41	SCALE: AS SHOWN	PREPARED FOR:		TOWN OF BEDFORD 24 NORTH AMHERST ROAD BEDFORD, NEW HAMPSHIRE 03110	MAPLE DRIVE PLAN AND PROFILE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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CURVE TABLE					
CURVE #	PI	Δ	R	T	L
C14	STA 301+95.72	28° 24' 51"	590.00	149.37	292.59



GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION BEDFORD, NEW HAMPSHIRE			PREPARED FOR: TOWN OF BEDFORD 24 NORTH AMHERST ROAD BEDFORD, NEW HAMPSHIRE 03110		PATTEN ROAD PLAN AND PROFILE						
SHEET: 9 OF 41			SCALE: AS SHOWN		DATE: FEBRUARY 3, 2017		PROJ. 12.5-2017				
									NO.	DATE	REVISION DESCRIPTION

[illegible]

32 STA 317+03.9, LT 20.1'
CONNECT (2)-6 IN UNDERDRAIN PIPES TO EXISTING STRUCTURE
(SEE NOTE ON THIS SHEET)

33 STA 318+94.1, LT 18.0'
CONNECT (3)-6 IN UNDERDRAIN PIPES TO EXISTING STRUCTURE
(SEE NOTE ON THIS SHEET)

34 STA 320+51.6, LT 17.5'
ADJUST GRATE ELEVATION.
GRATE ELEV. = 215.40
CONNECT 6 IN UNDERDRAIN PIPE TO EXISTING STRUCTURE
(SEE NOTE ON THIS SHEET)

R1 REMOVE EXISTING MANHOLE @ STA 109+18.5, LT 27.5'
PLUG EXISTING 12" CMP (SUBSIDIARY)

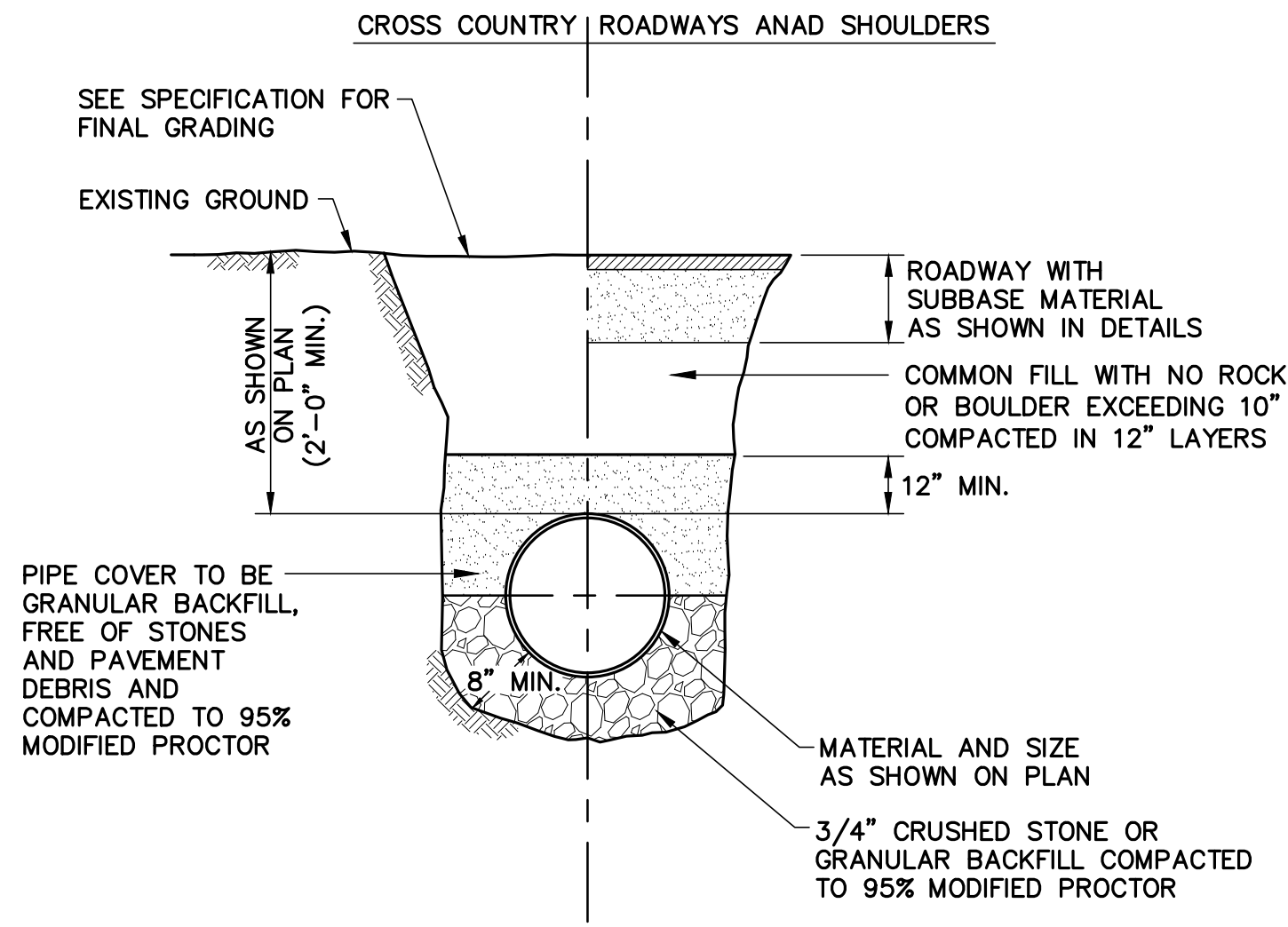
**R2 REMOVE EXISTING 52 FT X 12 IN CMP @ STA 216+99.9, LT 23.3'
TO STA 216+68.1, RT 17.3'**

R3 REMOVE EXISTING 37 FT X 12 IN RCP @ STA 311+30.6, LT 18.0'
TO STA 311+17.7, RT 16.9'

**R4 REMOVE EXISTING 142 FT X 15 IN RCP @ STA 315+22.5, RT 13.4'
TO STA 313+80.0, RT 13.3'**

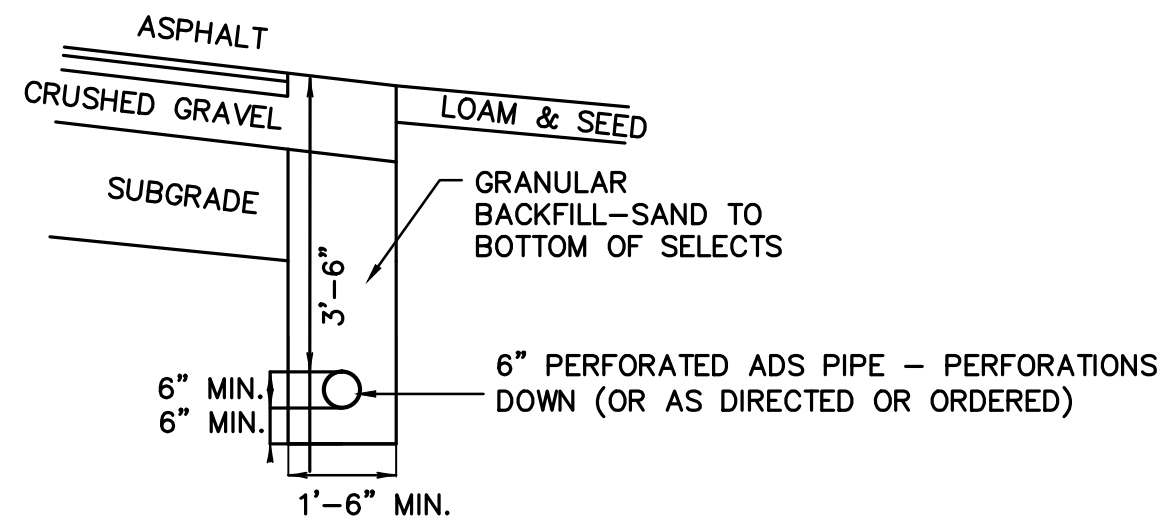
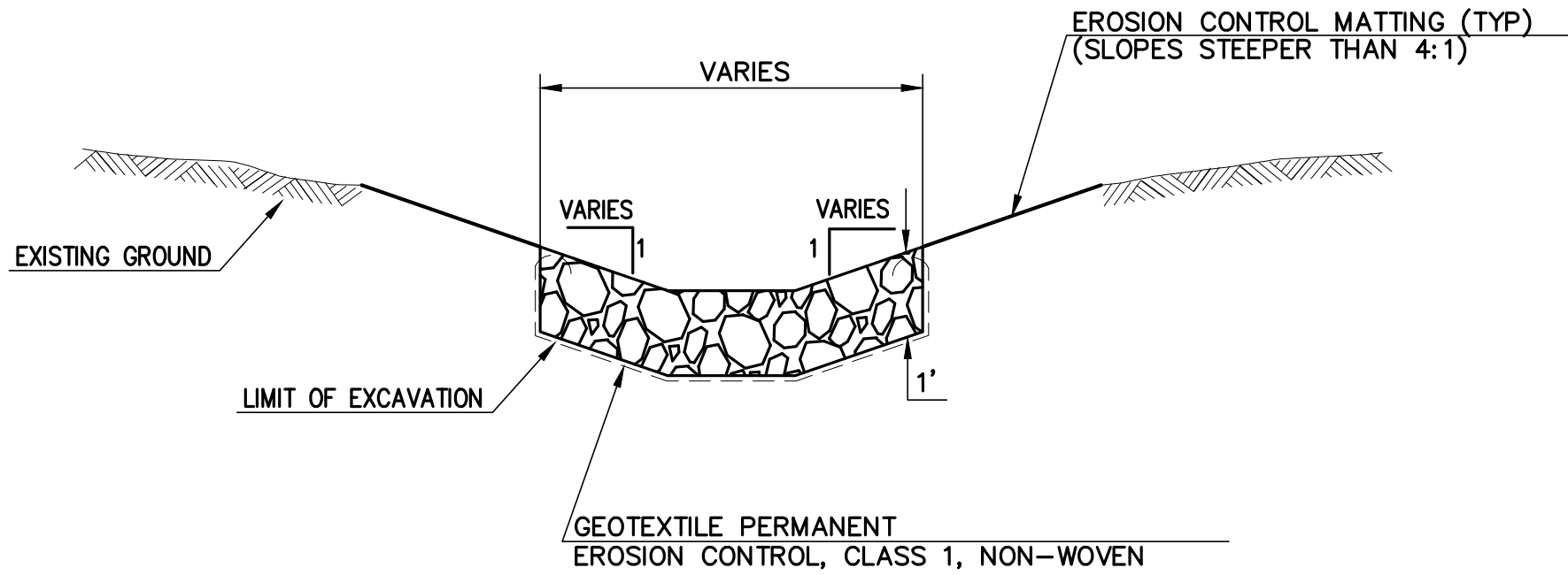
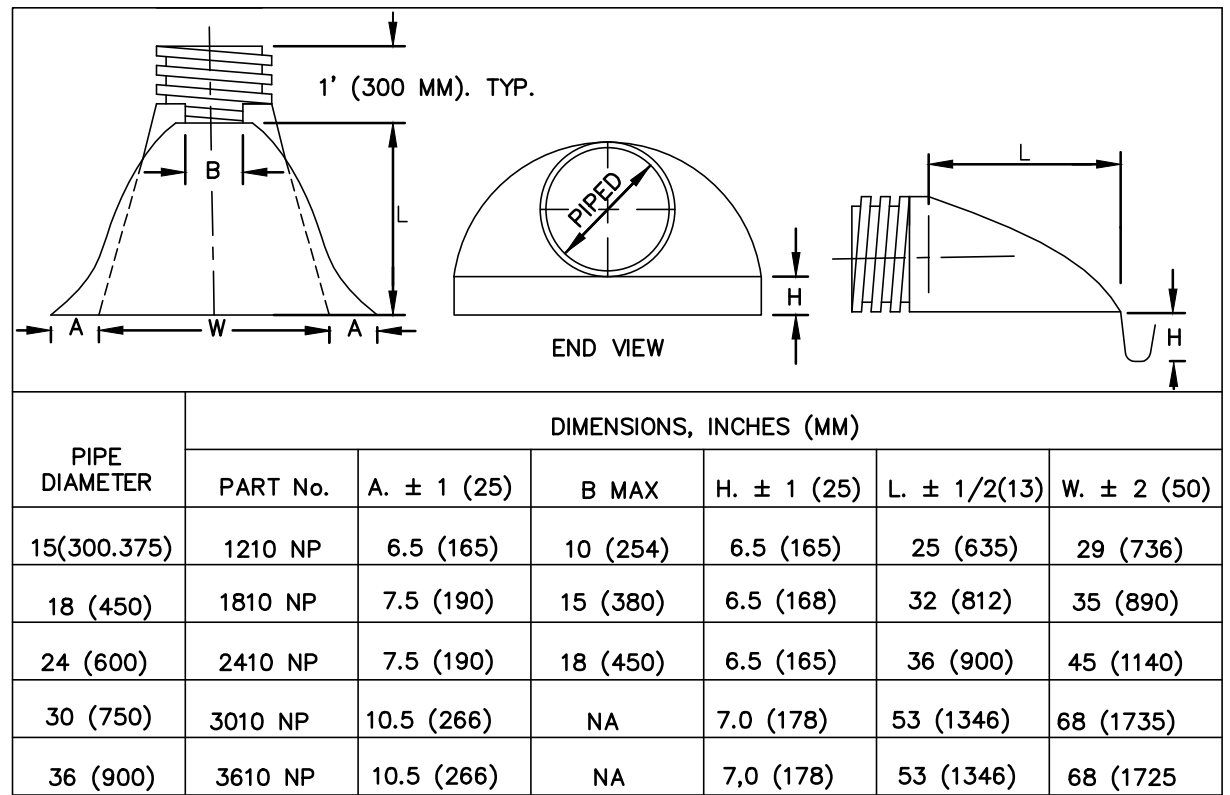
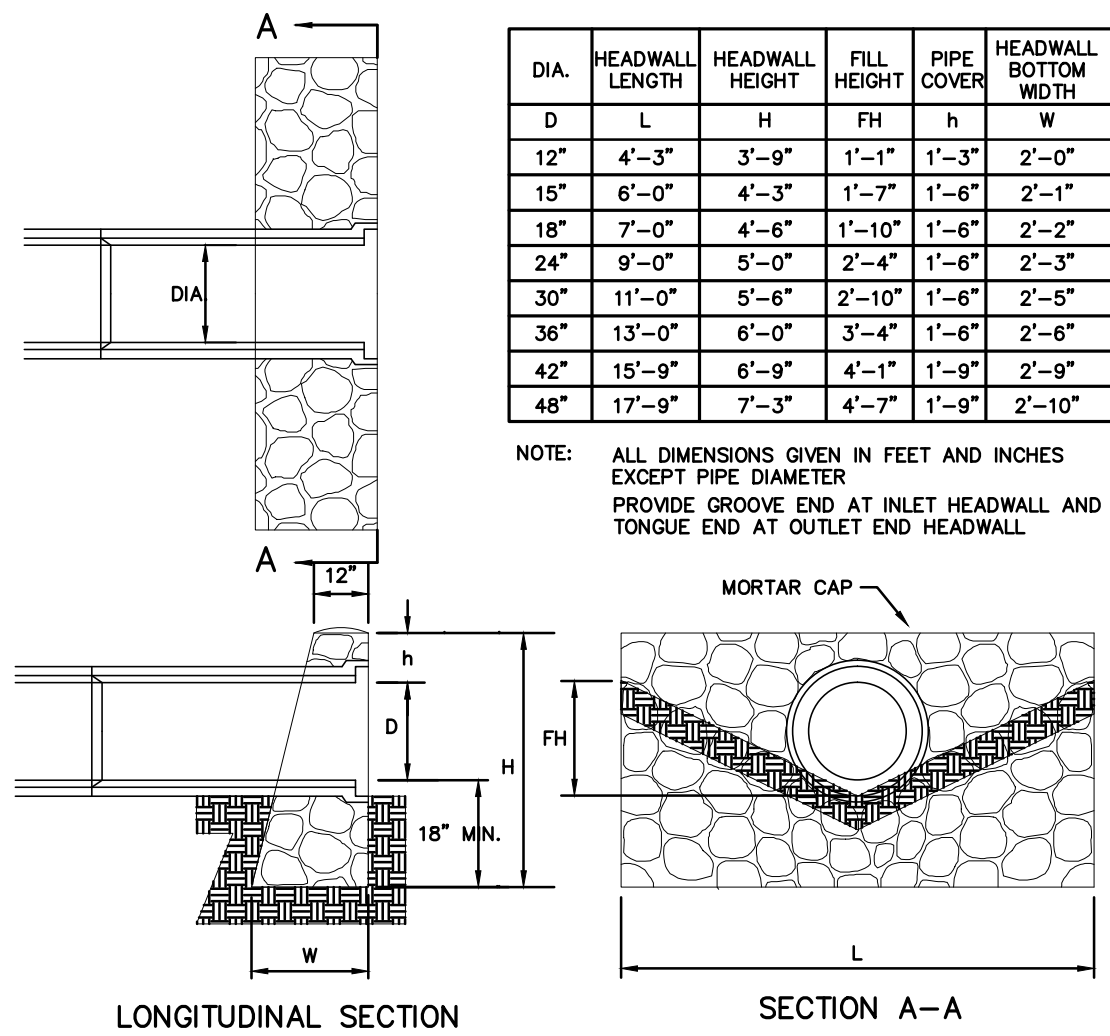
NOTE:
UNDERDRAIN INVERT INTO STRUCTURE SHALL BE A MINIMUM 6 IN ABOVE INVERT OF
DRAINAGE PIPE OUT OF STRUCTURE WHILE MAINTAINING POSITIVE DRAINAGE.
UNDERDRAIN INVERT OUT OF STRUCTURE AT A MINIMUM SHALL MATCH CROWN OF
DRAINAGE PIPE OUT OF STRUCTURE. UNDERDRAIN COVER SHALL BE 3 FT 6 IN AND MAY
ONLY VARY DUE TO THE ABOVE REQUIREMENTS. COORDINATE WITH ENGINEER.

[illegible]



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

DRAIN PIPE TRENCH
NOT TO SCALE



PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

**GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION**
BEDFORD, NEW HAMPSHIRE

DRAINAGE DETAILS 1

SHEET: 15 OF 41

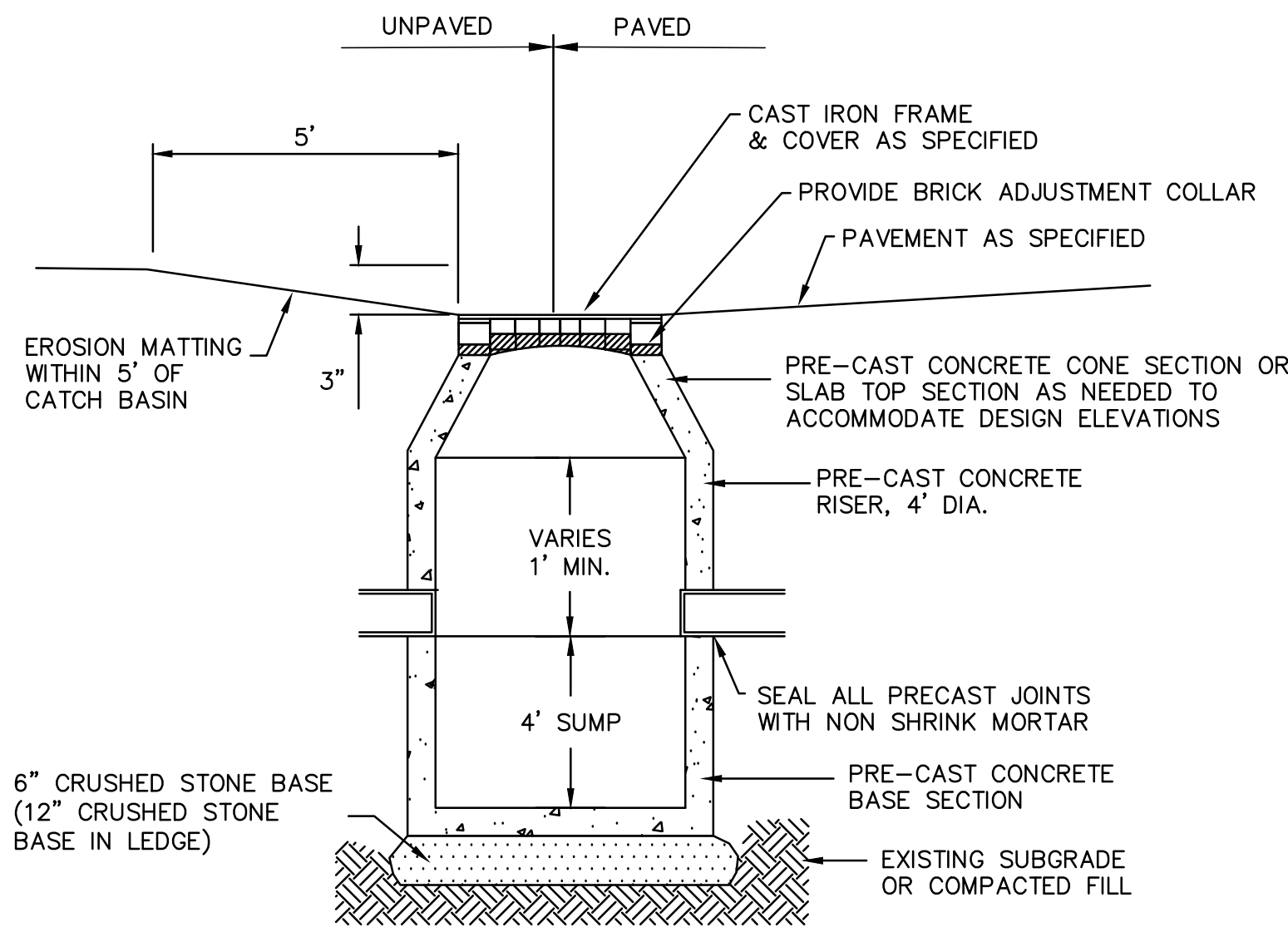
SCALE: AS SHOWN

DATE: FEBRUARY 3, 2017

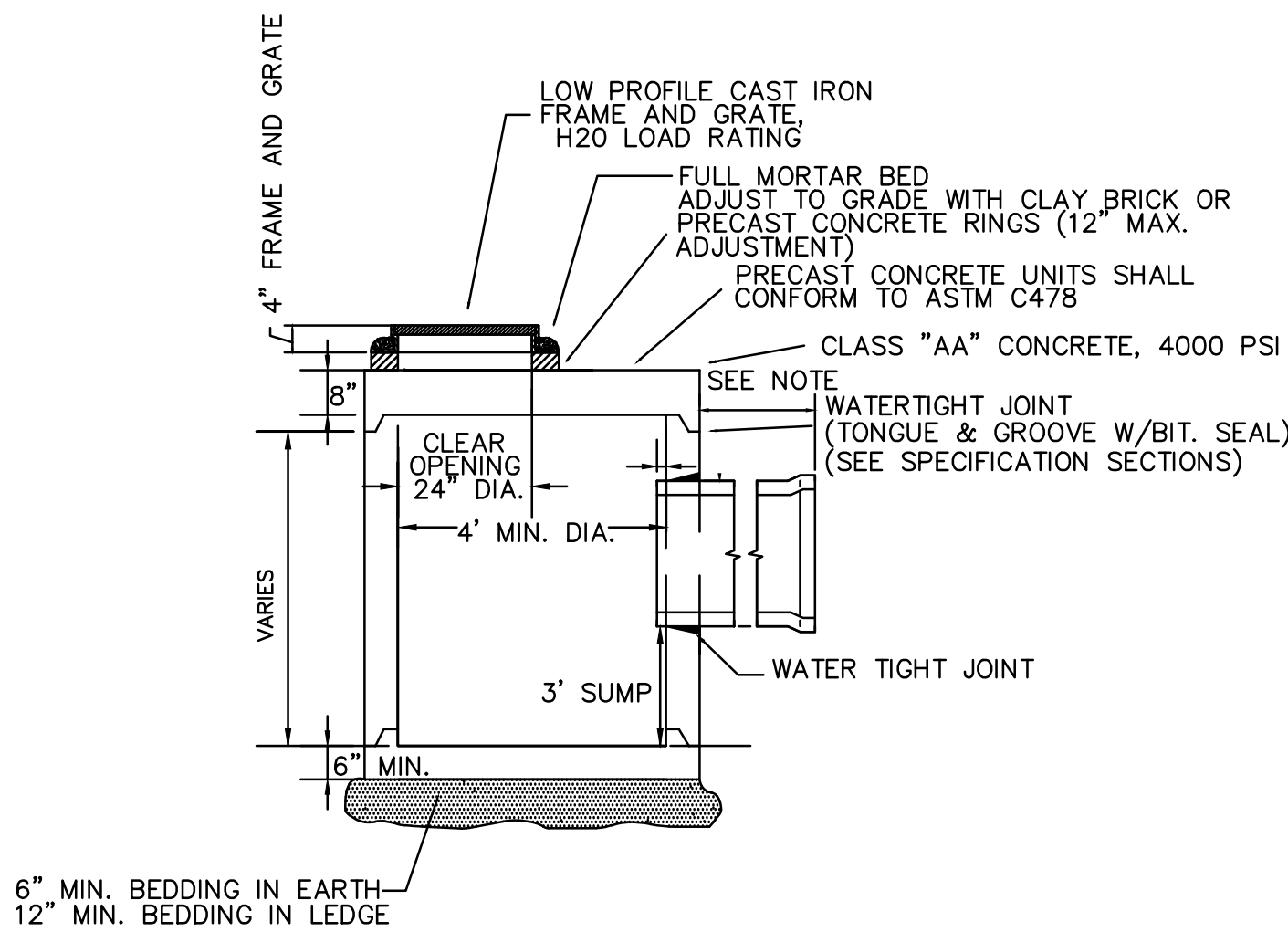
PROJ. 12.5-2017

REVISION DESCRIPTION

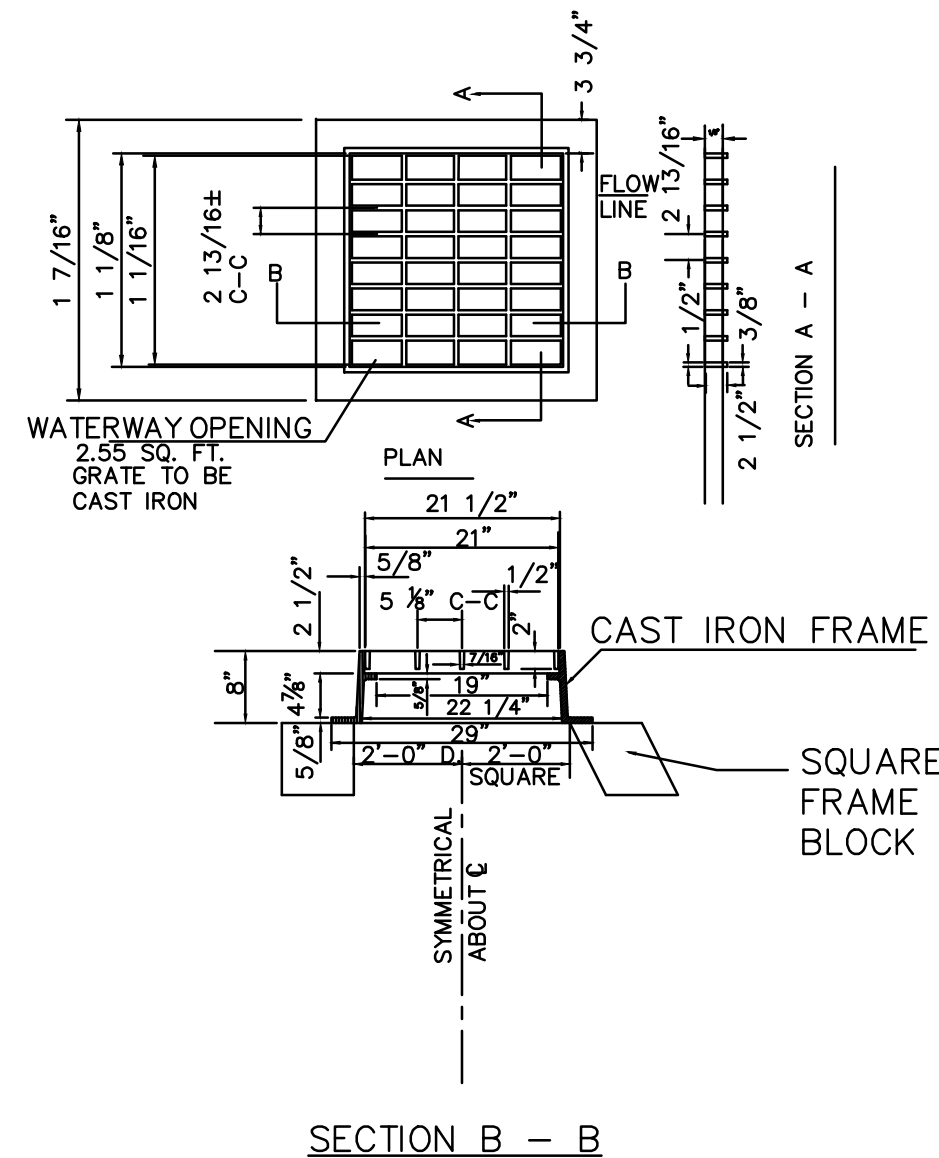
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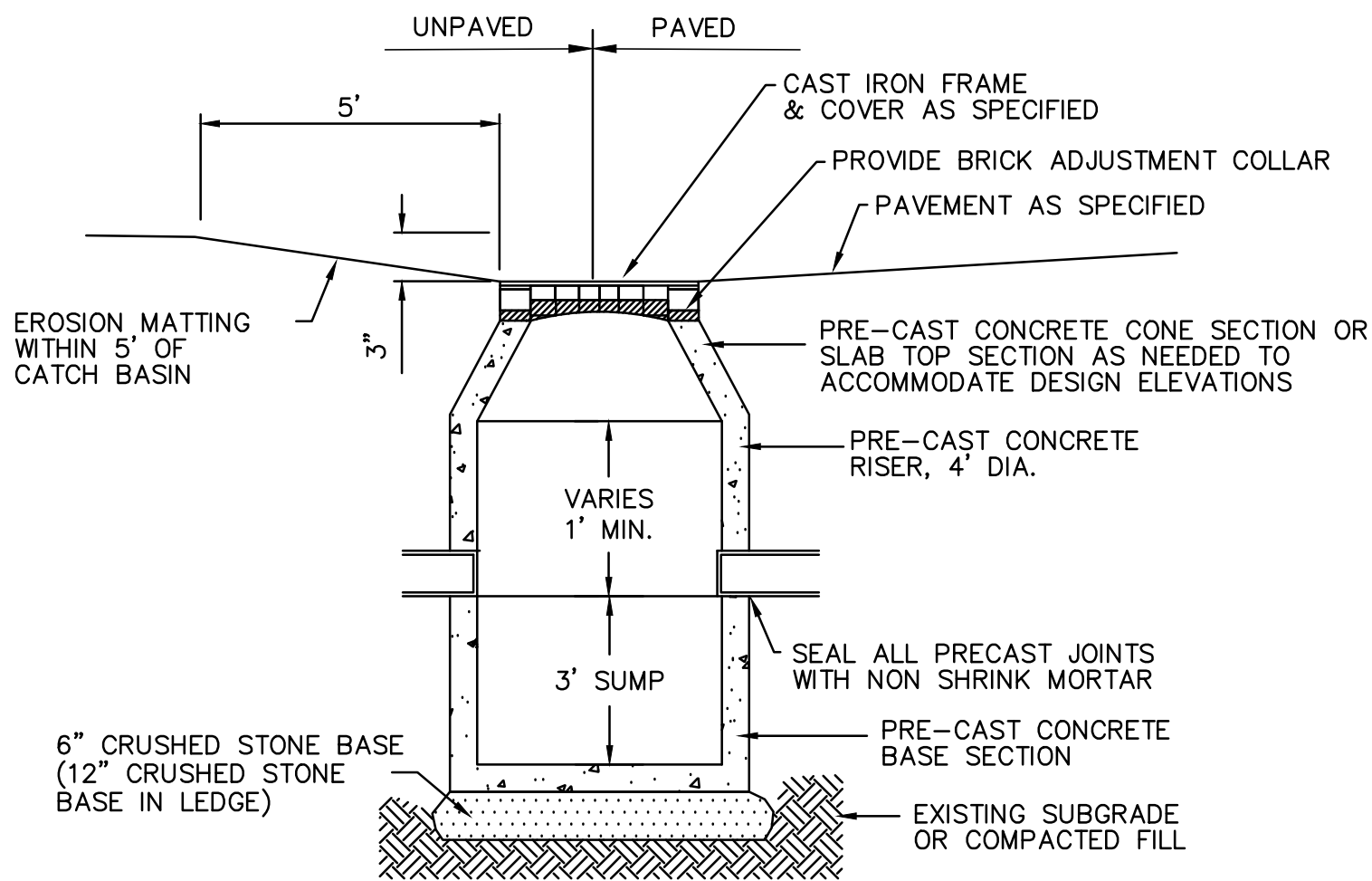
TYPICAL DEEP SUMP CATCH BASIN DETAIL
NOT TO SCALE



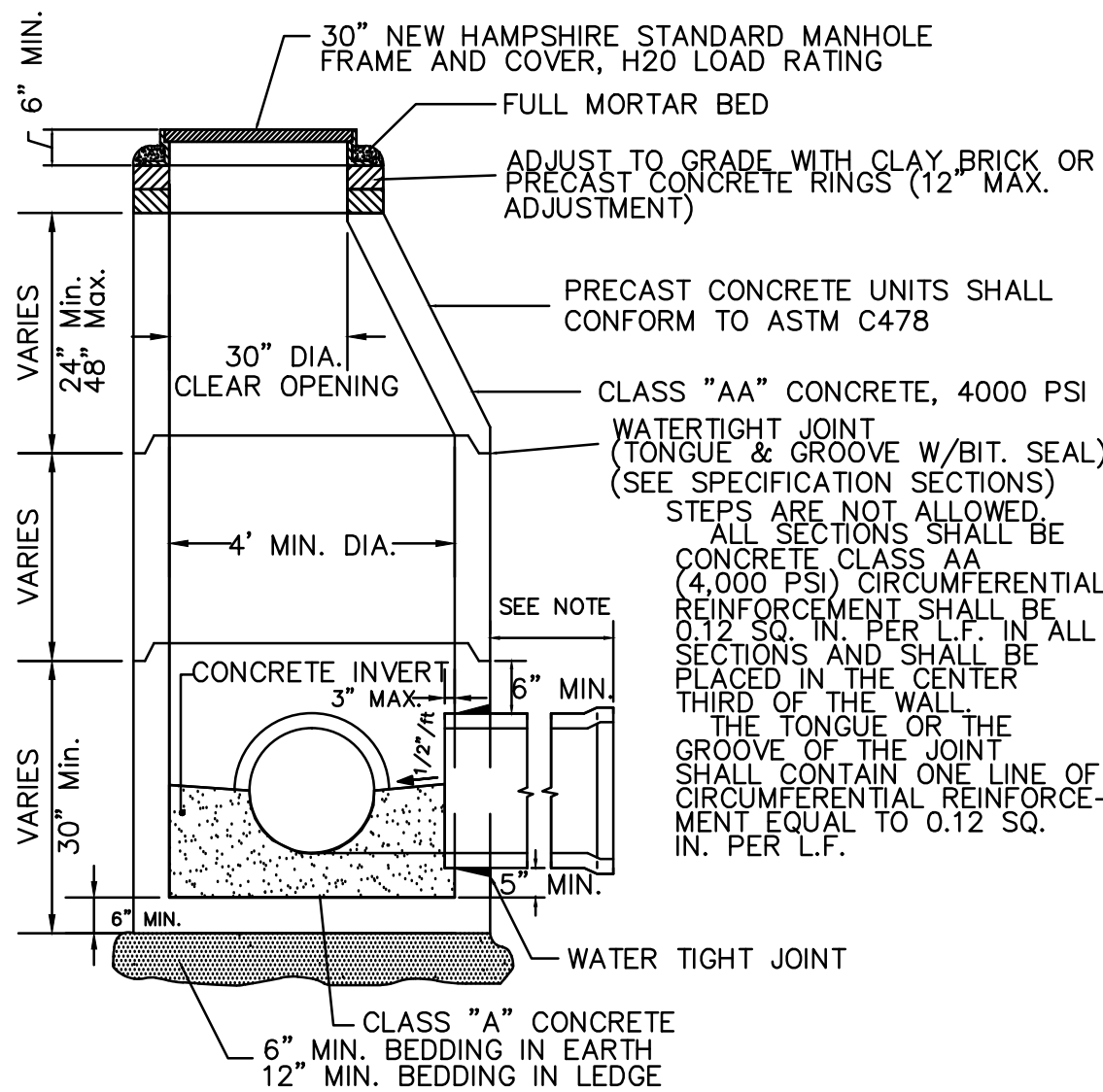
TYPICAL SLAB TOP CATCH BASIN DETAIL
NOT TO SCALE



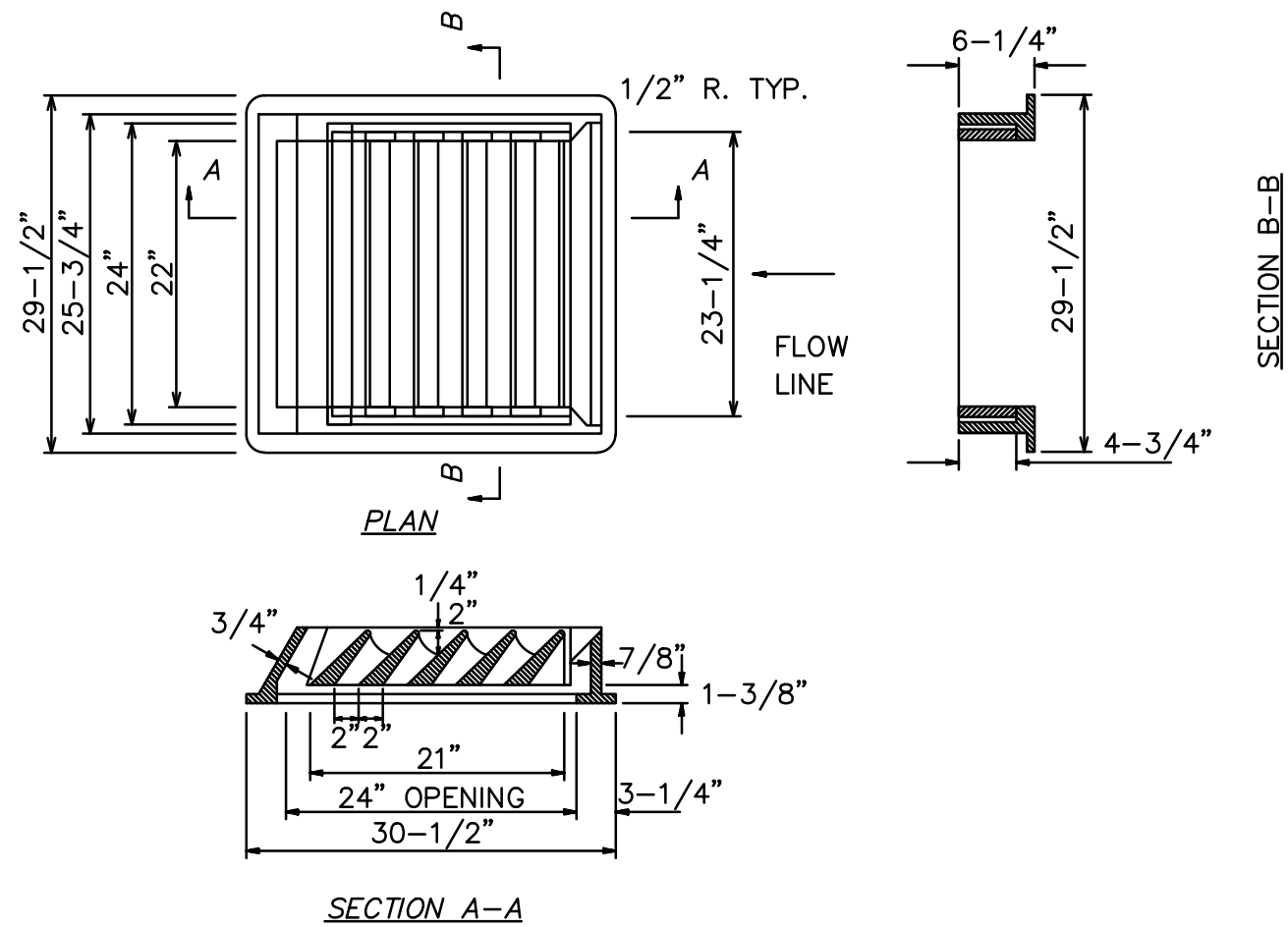
TYPE "B" CATCH BASIN FRAME & GRATE DETAIL
NOT TO SCALE



CATCH BASIN DETAIL
NOT TO SCALE

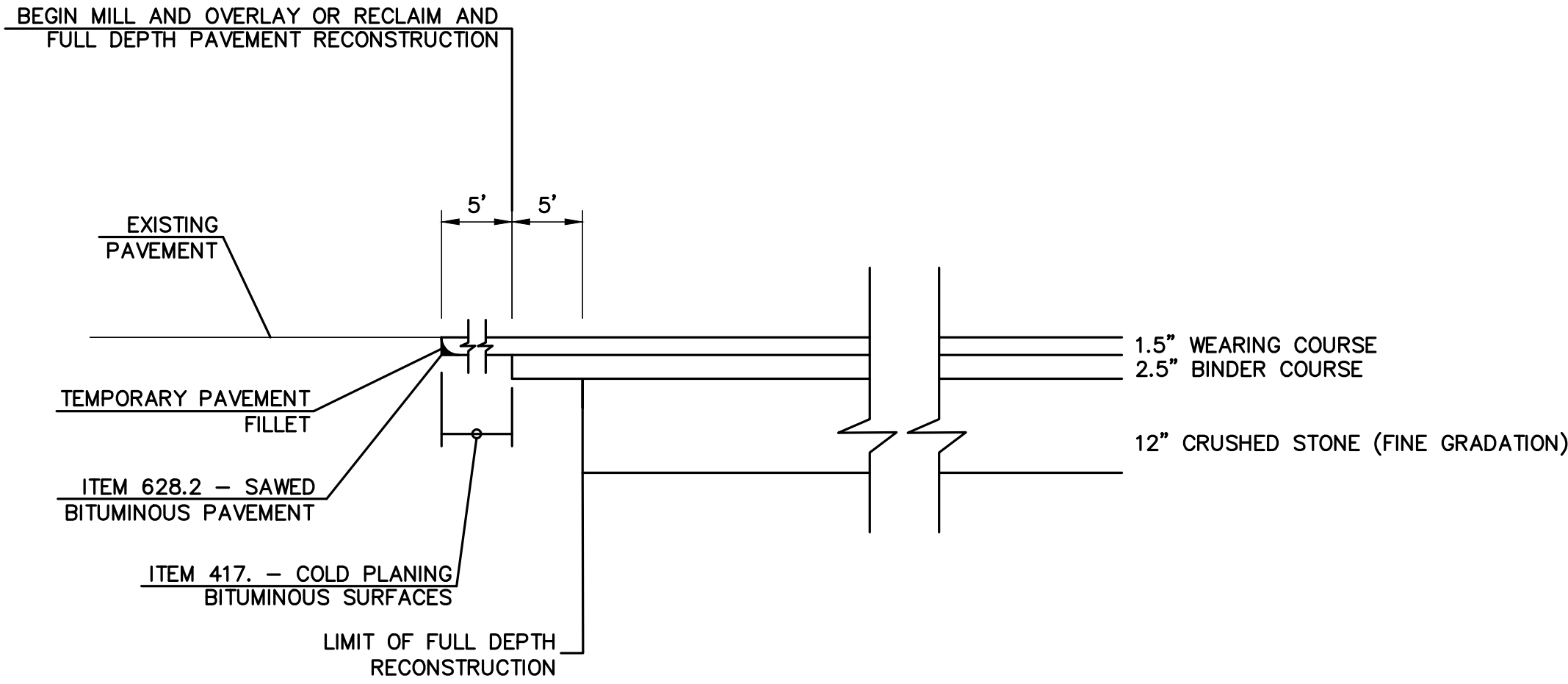


TYPICAL DRAIN MANHOLE DETAIL
NOT TO SCALE

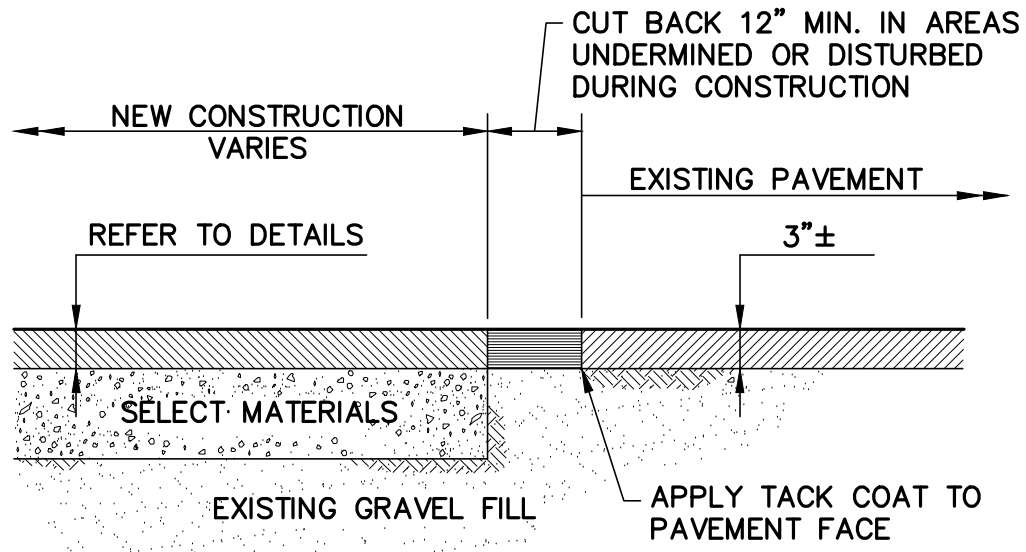


TYPE "E" CATCH BASIN FRAME & GRATE DETAIL
NOT TO SCALE

GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION BEDFORD, NEW HAMPSHIRE	SHEET: 16 OF 41	SCALE: AS SHOWN	PREPARED FOR: TOWN OF BEDFORD 24 NORTH AMHERST ROAD BEDFORD, NEW HAMPSHIRE 03110	DRAINAGE DETAILS 2	NO.	DATE	REVISION DESCRIPTION



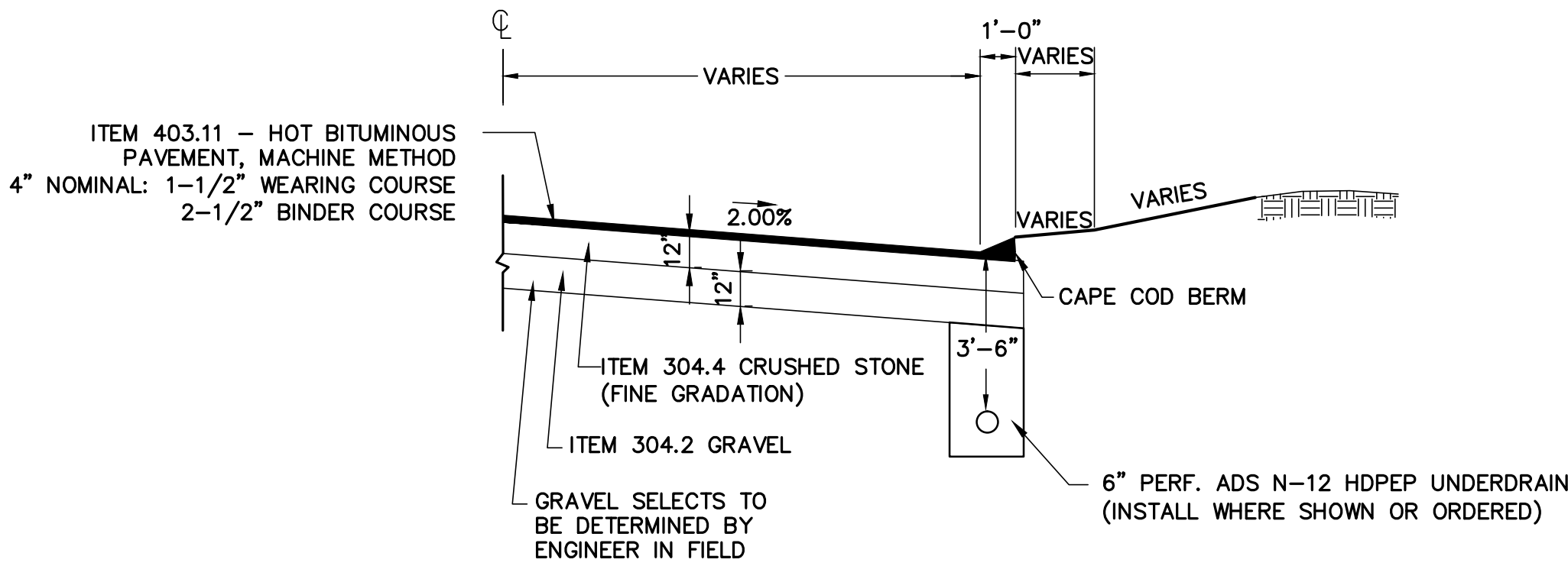
END PAVEMENT AND BASE COURSE TRANSITION
NOT TO SCALE



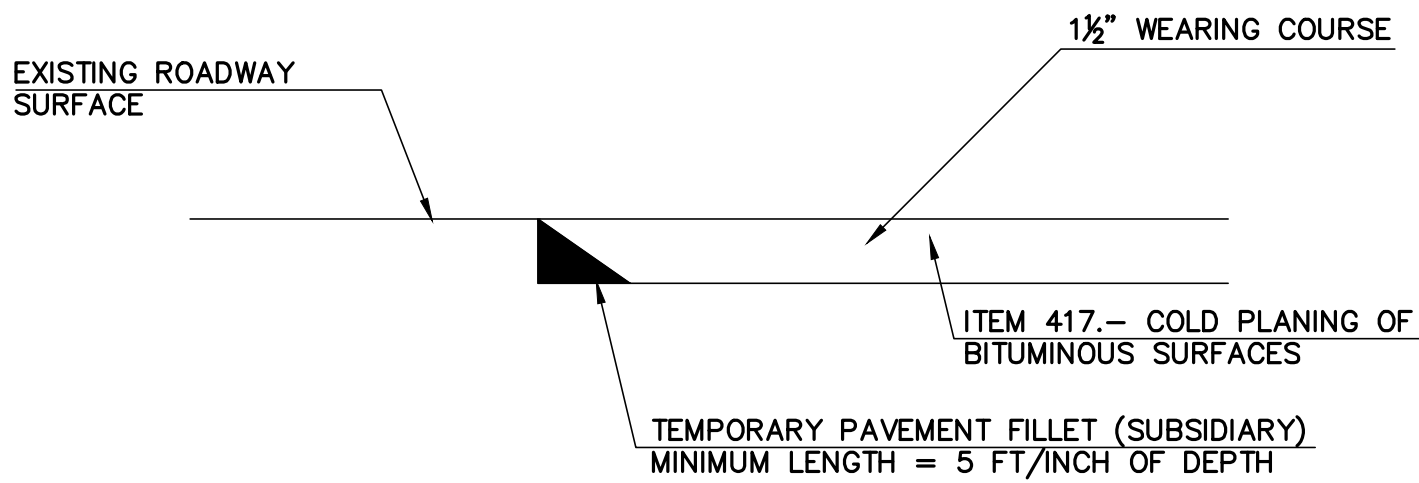
SAWCUT PAVEMENT SEALING PROCEDURE

1. CLEAN SAWED JOINTS WITH COMPRESSED AIR
2. APPLY JOINT SEAL MATERIAL FILLING FROM THE BOTTOM UP
3. THE HOT-SEAL MATERIAL SHALL COMPLETELY FILL THE SAWCUT SUCH THAT AFTER COOLING THE LEVEL OF THE SEALER WILL NOT BE GREATER THAT 1/8 INCH BELOW THE PAVEMENT SURFACE.

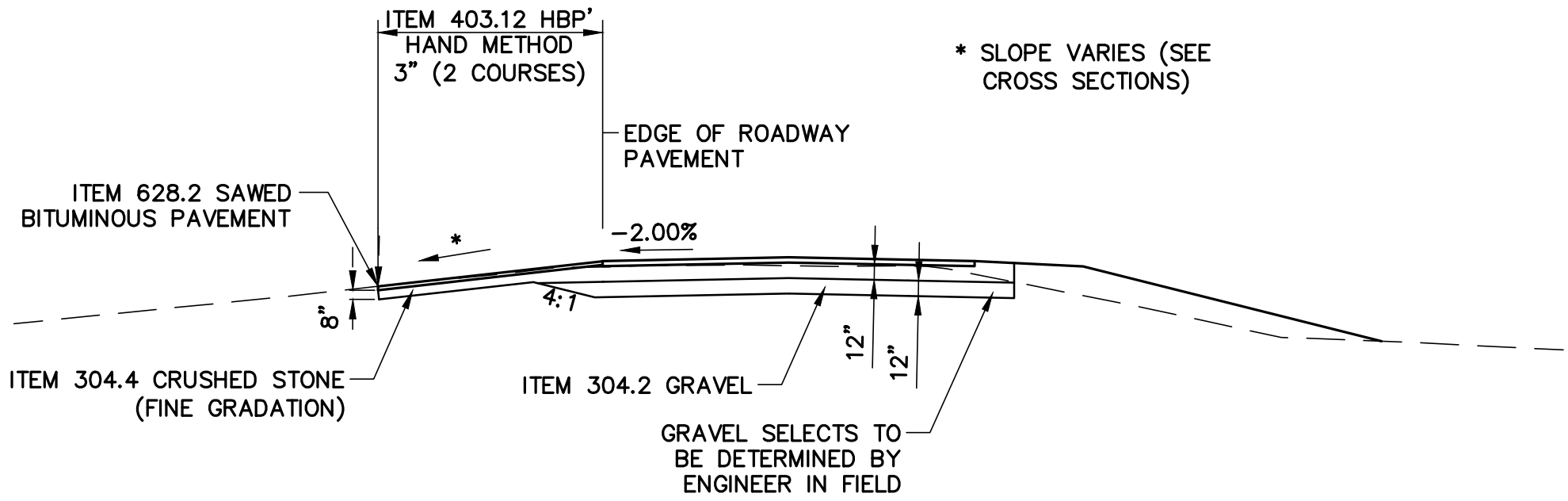
PAVEMENT SAW CUT
NOT TO SCALE



CAPE COD BERM SECTION
NOT TO SCALE



TEMPORARY PAVEMENT FILLET DETAIL
NOT TO SCALE



UNCURBED DRIVE DETAIL
NOT TO SCALE

MISCELLANEOUS
DETAILS

PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

**GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION**
BEDFORD, NEW HAMPSHIRE

SHEET: 17 OF 41

SCALE: AS SHOWN

DATE: FEBRUARY 3, 2017

PROJ. 12.5-2017

REVISION DESCRIPTION

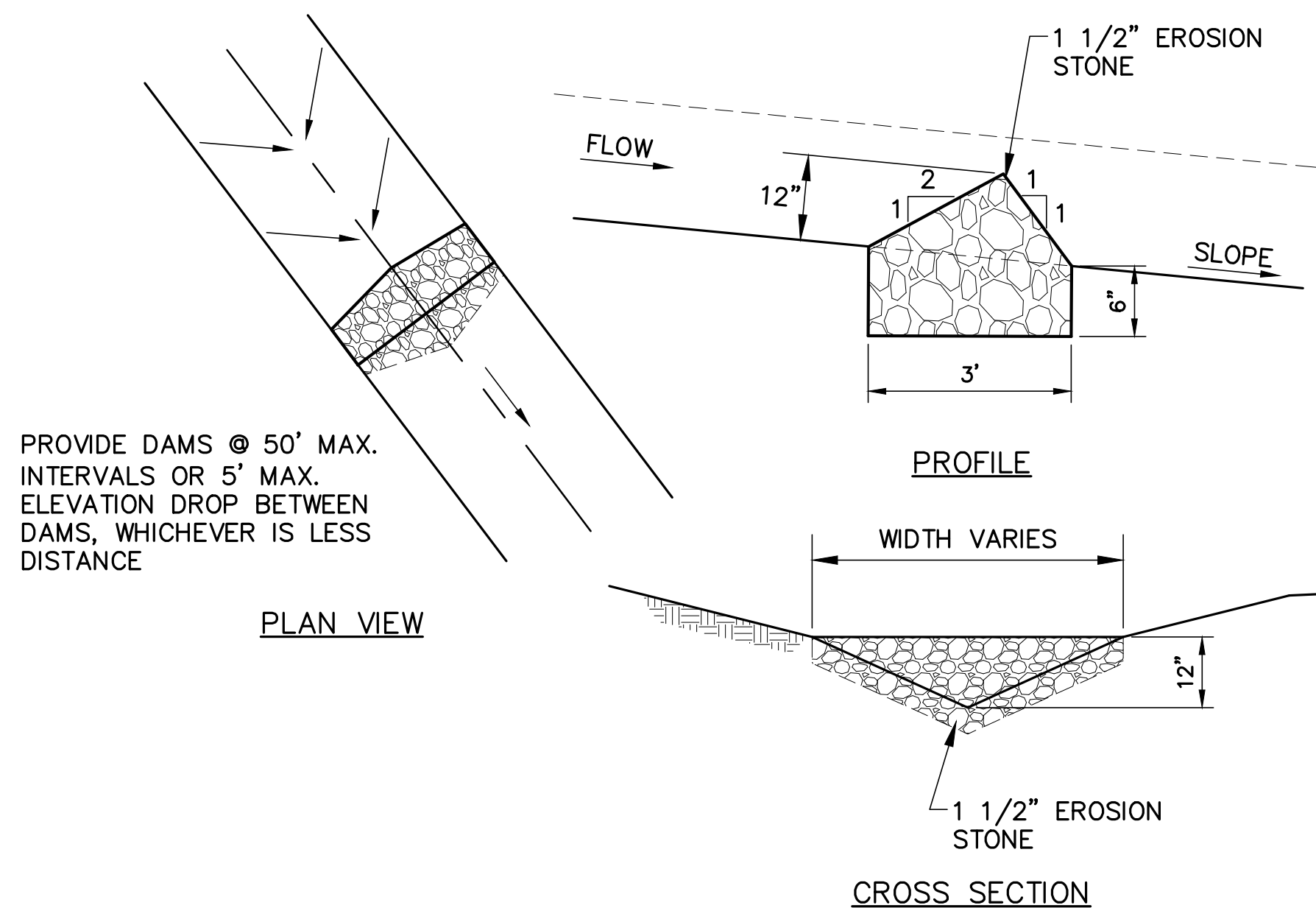
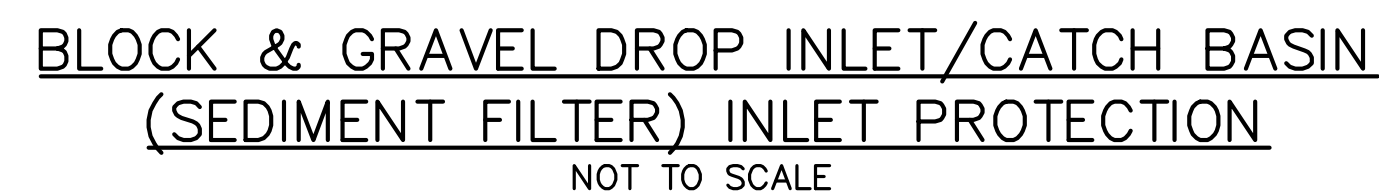
DATE

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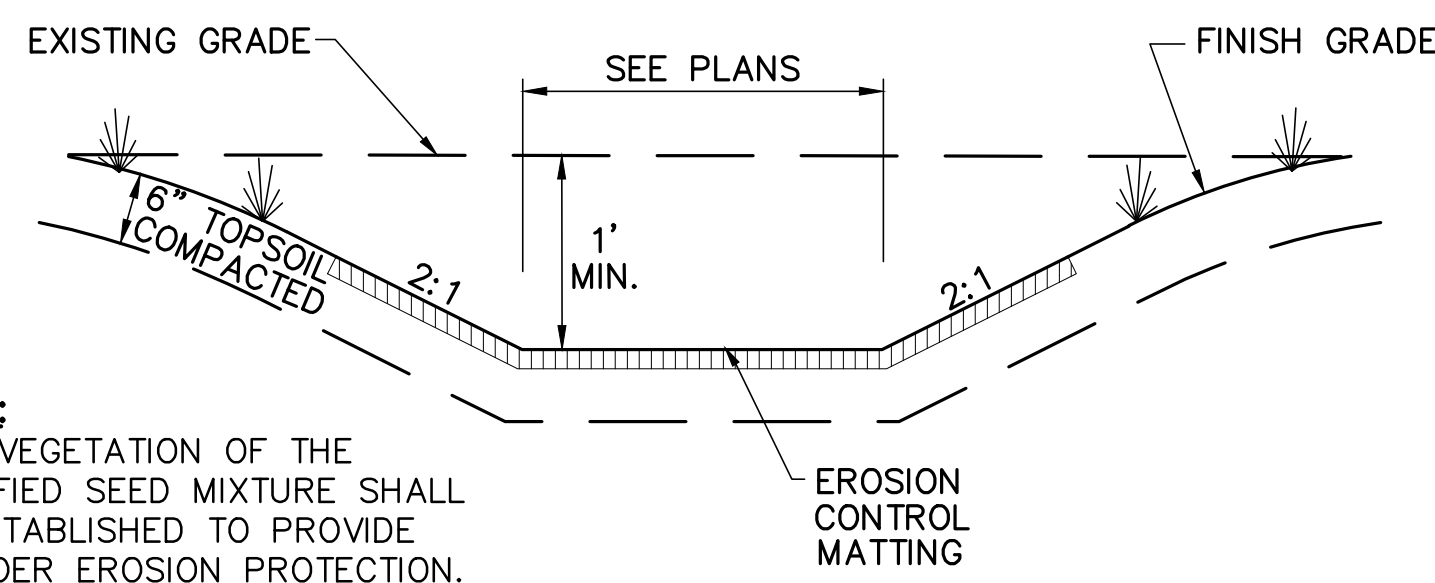


1. FILTER FABRIC SILT FENCE MUST BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION MUST BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT.
2. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH ONE-HALF (1/2) THE ABOVE GROUND HEIGHT OF THE FENCE.
3. ANY FENCE SECTION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

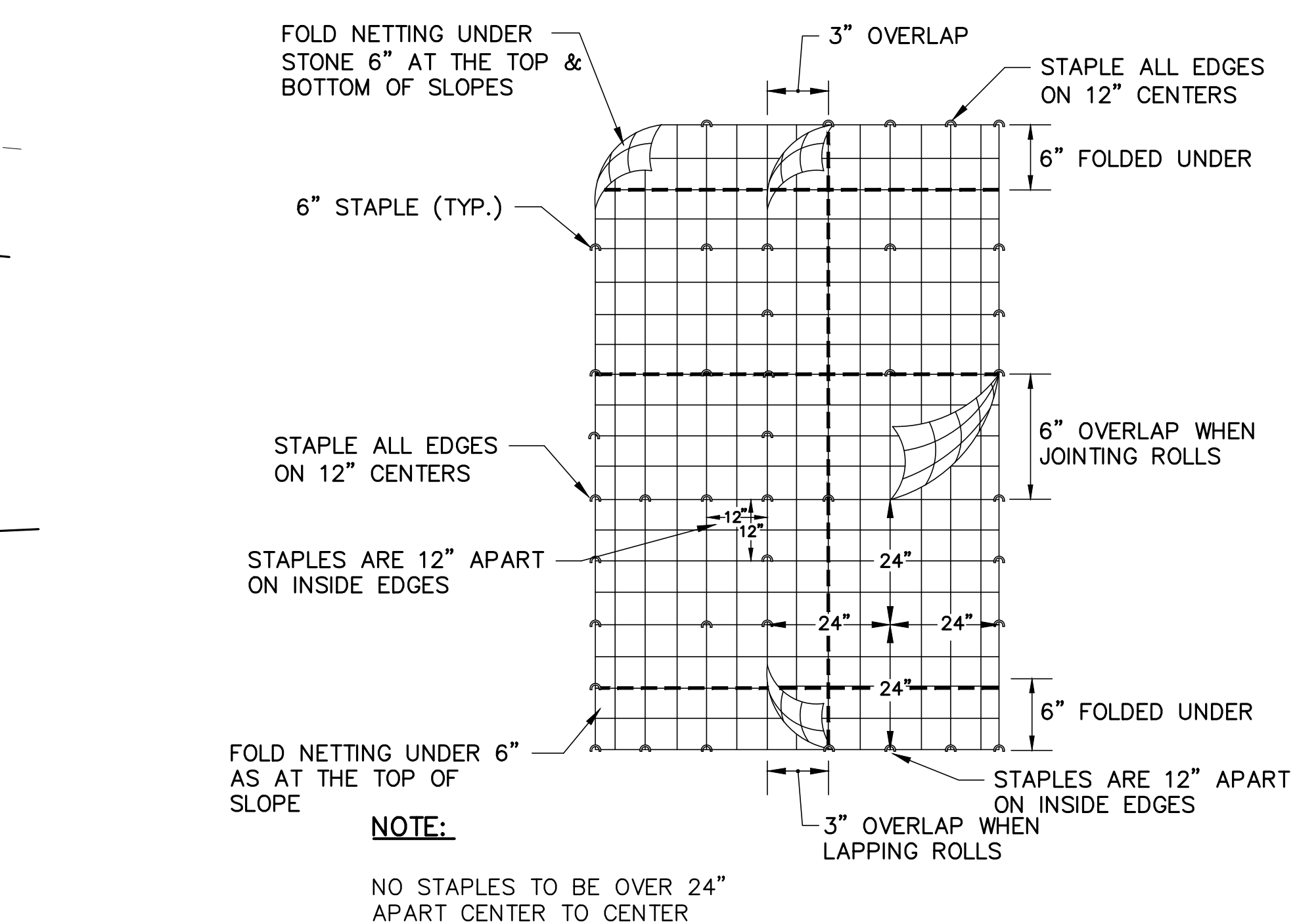
FILTER FABRIC SILT FENCE
NOT TO SCALE



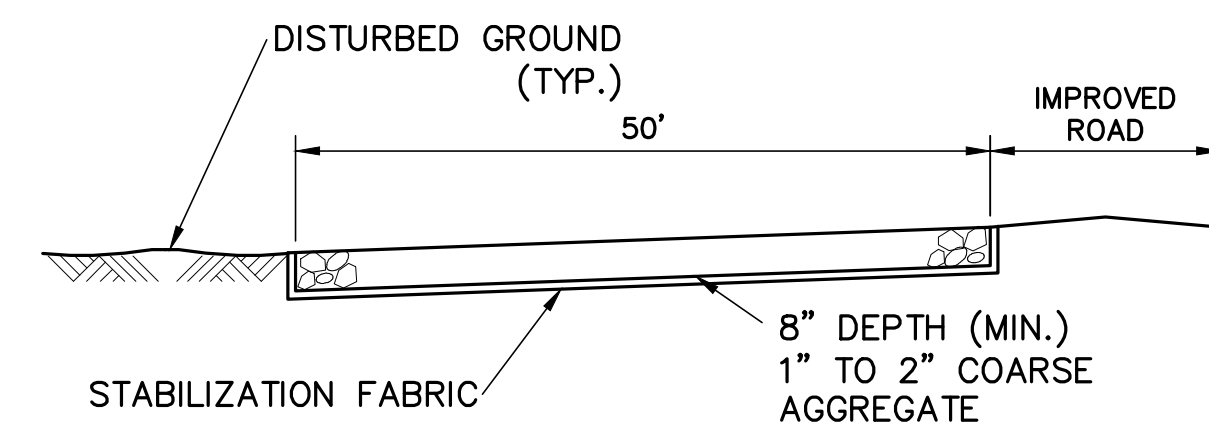
STONE GRADE STABILIZATION
(CHECK DAM) STRUCTURES
NOT TO SCALE



GRASS-LINED SWALE
NOT TO SCALE



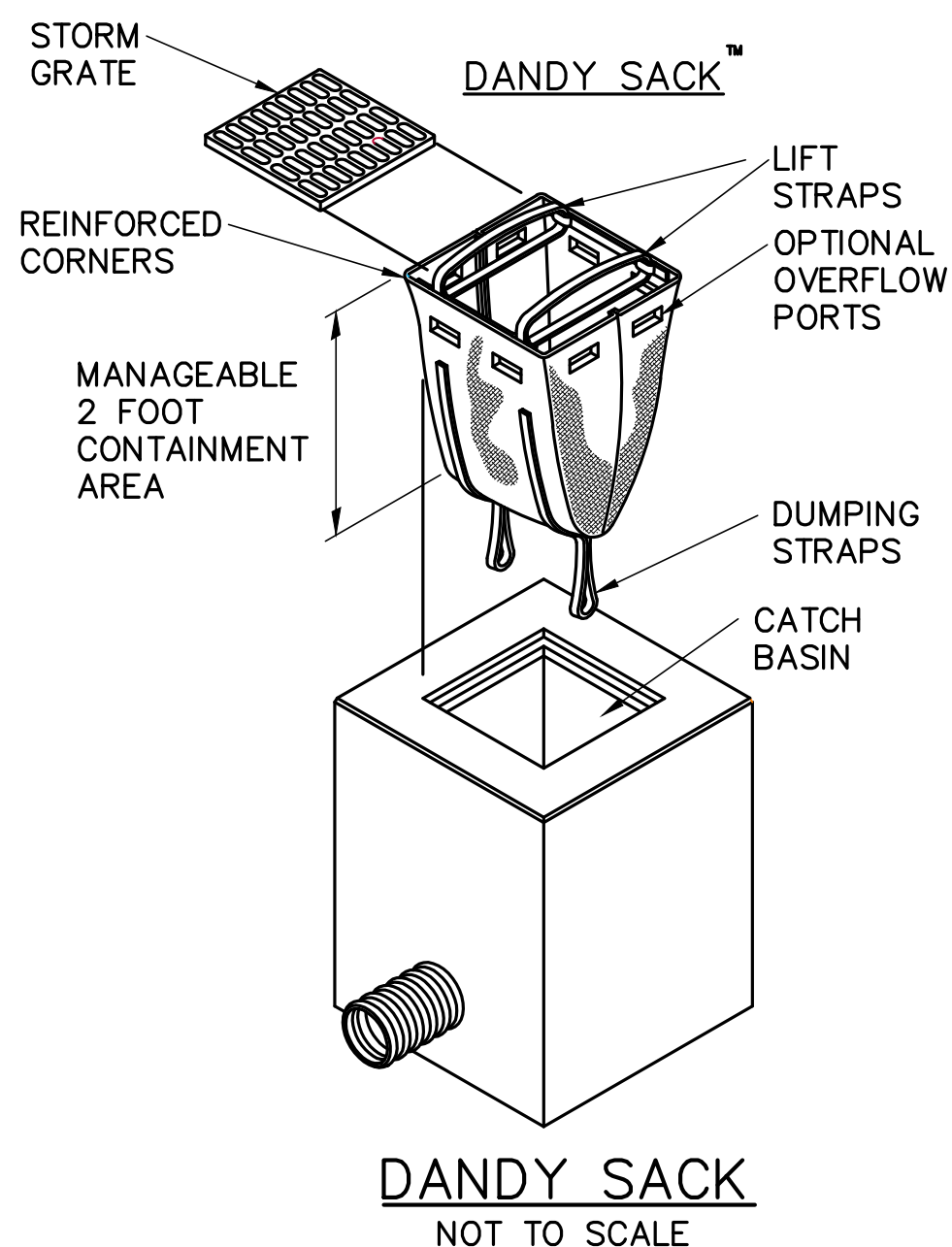
MULCH NETTING INSTALLATION
NOT TO SCALE



STABILIZED CONSTRUCTION ENTRANCE
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.



EROSION CONTROL SPECIFICATIONS:

1. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3 – EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION" 2008. THE CONTRACTOR SHALL HAVE REFERENCE TO THIS BOOK.
2. RECOGNIZING THAT IMMEDIATE ATTENTION TO EROSION CONTROL PRACTICES DRAMATICALLY IMPROVES SOIL AND MOISTURE CONSERVATION AND REDUCES NEGATIVE IMPACTS ON WATER QUALITY, THE CONTRACTOR SHALL GIVE HIGH PRIORITY TO THE DAILY AND TIMELY INSTALLATION OF BOTH TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES. IMMEDIATE INSTALLATION OF PRACTICES USUALLY REDUCES LONG TERM COSTS TO THE CONTRACTOR AND PROVIDES BENEFITS TO THE DEVELOPER AND THE PUBLIC GOOD.
3. EROSION CONTROL PRACTICES ARE SHOWN ON THE PLANS WITH RESPECT TO LOCATION AS DETERMINED FROM EXISTING TOPOGRAPHY. CHANGES MAY BE INDICATED IN THE FIELD TO IMPROVE EROSION AND SEDIMENT CONTROL.
4. CONSTRUCTION SHALL PROCEED UNIT BY UNIT TO FACILITATE INSTALLATION OF EROSION CONTROL MEASURES AND THE COMPLETION OF GRADING, SEEDING, AND LANDSCAPING AS SOON AS POSSIBLE WITHIN A UNIT. THIS PROCEDURE SHOULD RESULT IN THE EXPOSURE OF THE SMALLEST PRACTICAL LAND AREA AT ANY ONE TIME.
5. AREAS ADJACENT TO STREAMS CALL FOR PARTICULAR ATTENTION WITH REGARD TO SILT INTERCEPTION. INSTALL SILT FENCES AS SHOWN ON PLAN AND IN DETAIL BEFORE EARTHWORK COMMENCES. ADDITIONAL FENCING MAY BE REQUIRED AS WORK CONTINUES.
6. ALL DISTURBED AREAS AND ALL PROPOSED GRASSED AREAS SHALL HAVE TOPSOIL SPREAD (4" MINIMUM) AND BE LIMED, FERTILIZED, TILLED, SEEDED AND MULCHED. ALL SLOPES 3:1 (1 RISE ON 3 RUN) AND STEEPER SHALL HAVE MULCH HELD IN PLACE WITH NETTING (OR OTHER APPROVED BIODEGRADABLE MATTING MATERIAL), STAPLED AND STAKED. EACH AREA SHALL BE LIMED, FERTILIZED, PREPARED, SEEDED AND MULCHED (WITH ANCHORED NETTING AS REQUIRED) WITHIN 3 DAYS OF FINAL GRADING OR TEMPORARILY STABILIZED WITHIN 21 DAYS OF INITIAL DISTURBANCE. WHEN PERMANENT SEEDING CANNOT BE INSTALLED BY SEPTEMBER 15, TEMPORARY SEEDING AND MULCHING OF ALL DISTURBED AREAS SHALL BE INSTALLED IMMEDIATELY AND MAINTAINED IN THAT CONDITION UNTIL PERMANENT PRACTICES CAN BE INSTALLED IN THE FOLLOWING PLANTING SEASON.
7. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY TIME BEFORE DISTURBED AREAS ARE STABILIZED.
8. ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE (SEE NOTE 10).
9. TEMPORARY STABILIZATION OF DISTURBED AREAS:

SEEDBED PREPARATION: TILL THREE INCHES DEEP MIXING IN FERTILIZER
APPLY LIME 2 TONS/ACRE (100#/1,000 SQ. FT.)
FERTILIZE: UNIFORMLY APPLY NOT LESS THAN 300#/ACRE (7#/1,000
SQ. FT.) OF 10-20-20 OR EQUIVALENT.

SEEDING: SELECT APPROPRIATE SEEDING MIXTURE FROM TABLE 1 BELOW. SPREAD SEED UNIFORMLY. FIRM SOIL BY ROLLING OR PACKING; IF NOT FEASIBLE, THEN RAKE LIGHTLY TO COVER SEEDS.

MULCHING: MULCH ALL DISTURBED AREAS WITH 1-1/2 TO 2 TONS OF HAY OR STRAW PER ACRE (70-90#/1,000 SQ. FT.). ANCHOR ON ALL SLOPES 3:1 OR STEEPER AND FLATTER SLOPES SUBJECT TO WASH OR WIND BLOWN. USE JUTE (OR OTHER BIODEGRADABLE) NETTING. STAKING AND STAPLING MAY BE REQUIRED.

SPECIES	PER ACRE	PER 1000 SQ.FT.	REMARKS
WINTER RYE	2 BU OR 112 LBS.	2.5 LBS.	BEST FOR FALL SEEDING. SEED AUGUST 15 TO SEPTEMBER 15 FOR BEST COVER. SEED TO DEPTH OF ONE INCH.
OATS	2 1/2 BU OR 80 LBS.	2 LBS.	BEST FOR SPRING SEEDINGS. LATER THAN MAY 15 FOR SUMMER PROTECTION. SEED TO DEPTH OF ONE INCH.
ANNUAL RYE	40 LBS.	1 LB.	GROWS QUICKLY. BUT IS OF SHORT GRASS DURATION USE WHERE APPEARANCES ARE IMPORTANT. COVER SEED WITH NO MORE THAN 1/4 INCH OF SOIL. WITH MULCH, SEEDING MAY BE DONE THROUGHOUT GROWING SEASON. OTHERWISE SEED EARLY SPRING OR BETWEEN AUGUST 15 & SEPTEMBER 15.

10. PERMANENT STABILIZATION OF DISTURBED AREAS:
- SEED BED PREPARATION: TOPSOIL (SANDY LOAM, LOAM, OR SILT LOAM), FRAILABLE, FREE OF TREE ROOTS, WEEDS, STONES MORE THAN 1-1/2 INCHES IN DIAMETER OR LENGTH SHALL BE PLACED OVER ALL DISTURBED AREAS IN A 4" (MINIMUM) THICK LAYER.
- TOPSOIL: TOPSOIL SHALL BE FREE OF HERBICIDES AND TOXIC MATERIALS. TILL THREE INCHES DEEP MIXING IN THE FERTILIZER AND LIME. APPLY LIME AT RATES INDICATED IN TABLE "A".
- SEEDING: SELECT APPROPRIATE SEEDING MIXTURE FROM TABLE "C". SPREAD SEED UNIFORMLY. FIRM SOIL BY ROLLING OR PACKING; IF NOT FEASIBLE, THEN RAKE LIGHTLY TO COVER SEEDS.
- MULCHING: MULCH ALL DISTURBED AREAS WITH 1-1/2 TO 2 TONS OF HAY OR STRAW PER ACRE (70 - 90#/1,000 SQ. FT.). ANCHOR MULCH ON ALL SLOPES 3:1 OR STEEPER AND ON FLATTER SLOPES SUBJECT TO WASH (WATERWAYS AND/OR WINDBLOWN) USING BIODEGRADABLE NETTING (OR OTHER APPROVED BIODEGRADABLE MATTING MATERIAL), WITH STAKING AND STAPLING.

TABLE "A"—LIME APPLICATION RATES		
EXISTING SOIL pH	LIMESTONE TO BE ADDED	
	TONS/ACRE	POUNDS/CY
4.0-4.4	3	12
4.5-4.9	2	8
5.0-5.4	1	4
UNKNOWN	2	8

TABLE "C" — SEEDING GUIDE					
	<u>SOIL DRAINAGE</u>				
<u>USE</u>	<u>SEEDING MIXTURE 1/</u>	<u>DROUGHTY</u>	<u>WELL DRAINED</u>	<u>MODERATELY WELL DRAINED</u>	<u>POORLY DRAINED</u>
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
	B	POOR	GOOD	FAIR	FAIR
	C	POOR	GOOD	EXCELLENT	GOOD
	D	FAIR	FAIR	GOOD	EXCELLENT
	E	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNEL WITH FLOWING WATER	A	GOOD	GOOD	GOOD	FAIR
	C	GOOD	EXCELLENT	EXCELLENT	FAIR
	D	GOOD	EXCELLENT	EXCELLENT	FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSABLE LANDS, AND LOW INTENSITY USE RECREATION SITES	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	FAIR	POOR
	C	GOOD	EXCELLENT	EXCELLENT	FAIR
	D	FAIR	GOOD	GOOD	EXCELLENT
PLAY AREAS AND ATHLETIC FIELDS. (TOPSOIL IS ESSENTIAL FOR GOOD TURF.)	F	FAIR	EXCELLENT	EXCELLENT	<u>2/</u>
	G	FAIR	EXCELLENT	EXCELLENT	<u>2/</u>
GRAVEL PIT — SEE PM-NH-24 RECOMMENDATIONS REGARDING RECLAMATION OF SAND AND GRAVEL PIT. *					
1/ REFER TO SEEDING MIXTURES AND RATES IN <u>TABLE "D"</u> .					
2/ POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREAS AND ATHLETIC FIELDS.					
* SEE "VEGETATING NEW HAMPSHIRE SAND AND GRAVEL PIT; TECHNICAL NOTE PM-NH-24, UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, REVISION APRIL, 1991.					

13. TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH STONE OR RIPRAP HAS BEEN INSTALLED; OR
 - D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
14. MAINTENANCE: DURING THE CONSTRUCTION PERIOD AND UNTIL SUCH TIME AS THE LONG TERM VEGETATION IS ESTABLISHED TO A 70% VEGETATIVE STAND.
 - A. DISTURBED AREAS WILL BE FERTILIZED AND RESEEDED.
 - B. CATCH BASINS WILL BE CHECKED AND CLEANED AS NECESSARY.
 - C. DRAINAGE AND GRASS TREATMENT SWALES SHALL BE CHECKED FREQUENTLY AND CLEANED AS REQUIRED.
 - D. THE SILT FENCES AND HAYABLE DIKES WILL BE CHECKED ON A REGULAR BASIS AND REPAIRED AS NECESSARY TO CORRECT ANY DAMAGE, DETERIORATION, AND SHORT-CIRCUITING.
15. REFER TO "EROSION AND SEDIMENT CONTROL PLAN" PRIOR TO ANY SITE DISTURBANCE. CONTACT ENGINEER FOR COPIES OF PLAN.

INSPECTIONS: THE ENGINEER SHALL BE CONTACTED ON A REGULAR BASIS TO INSPECT ALL EROSION CONTROL PRACTICES AS WELL AS THE MAINTENANCE OF THE EROSION CONTROL COMPONENTS. REFER TO CONSTRUCTION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. EROSION CONTROL PRACTICES SHALL BE IN STRICT ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
16. ALL TREATMENT SWALES, DITCHES, AND LEVEL LIP SPREADERS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
17. FOR SPECIAL WINTER CONSTRUCTION CONSIDERATIONS, THE CONTRACTOR SHALL REFER TO THE "EROSION & SEDIMENT CONTROL PLAN".
18. THIS PROJECT SHALL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430.53 AND CHAPTER AGR 3800 RELATIVE TO SPECIES.

TABLE "D" — MIXTURES & RATES		
<u>MIXTURE</u>	<u>POUNDS PER ACRE</u>	<u>POUNDS PER 1,000 SQ. FT.</u>
A. TALL FESCUE	20	0.45
CREEPING RED FESCUE	20	0.45
REDTOP	<u>2</u>	<u>0.05</u>
TOTAL	42	0.95
B. TALL FESCUE	15	0.35
CREEPING RED FESCUE	10	0.25
CROWN VETCH OR	15	0.35
FLATPEA	<u>30</u>	<u>0.75</u>
TOTAL	40 or 55	0.95 or 1.35
C. TALL FESCUE	20	0.45
CREEPING RED FESCUE	20	0.45
BIRDSFOOT TREFOIL	<u>8</u>	<u>0.20</u>
TOTAL	48	1.10
D. BIRDSFOOT TREFOIL	20	0.50
REDTOP	<u>10</u>	<u>0.20</u>
TOTAL	30	0.70
E. TALL FESCUE	20	0.45
FLATPEA	<u>30</u>	<u>0.75</u>
TOTAL	50	1.20
F. CREEPING RED FESCUE 1/	50	1.15
KENTUCKY BLUEGRASS 1/	<u>50</u>	<u>1.15</u>
TOTAL	100	2.30
G. TALL FESCUE 1/	150	3.60

1/ FOR HEAVY USE ATHLETIC FIELDS CONSULT THE UNIVERSITY OF NEW HAMPSHIRE COOPERATIVE EXTENSION TURF SPECIALIST FOR CURRENT VARIETIES AND SEEDING RATES.

OTHER SEED MIXTURES AND SEEDING RATES AS RECOMMENDED BY THE USDA -
NATURAL RESOURCES CONSERVATION SERVICE MAY BE USED WITH PRIOR WRITTEN
PERMISSION FROM THE ENGINEER.

CONSTRUCTION SEQUENCE:

1. THE CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION CONFERENCE WITH TOWN OFFICIALS PRIOR TO ANY WORK COMMENCING ON SITE.
2. FELL AND CLEAR TREES, AS REQUIRED. PLACE JOB TRAILER AT SPECIFIED LOCATION AND INSTALL CONSTRUCTION ENTRANCE(S). STABILIZE THE CONSTRUCTION ENTRANCE(S) WITH COARSE AGGREGATE 8 INCHES (MINIMUM) IN DEPTH, ON TOP OF A GEOTEXTILE, TO PREVENT OFF-SITE TRACKING BY VEHICLES AND EQUIPMENT.
3. INSTALL SILT FENCE AT ALL LOCATIONS INDICATED ON PLAN AND AT OTHER LOCATIONS AS DETERMINED BY THE ENGINEER. INSTALL OTHER TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO EARTHWORK COMMENCING.
4. GRUB SITE AND DISPOSE OF DEBRIS, AS NECESSARY; CONTRACTOR TO LEGALLY DISPOSE OF DEBRIS OFF THE SITE.
5. STOCKPILE TOPSOIL AND INSTALL ASSOCIATED EROSION CONTROL MEASURES, I.E., SILT FENCE, AND MULCH.
6. PONDS AND SWALES SHALL BE INSTALLED EARLY ON IN THE CONSTRUCTION SEQUENCE (BEFORE ROUGH GRADING THE SITE) AND SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
7. INSTALL PROPOSED CLOSED DRAINAGE SYSTEMS.
8. REMOVE EXISTING PAVEMENT AND SELECT MATERIAL AND PLACE SELECT MATERIALS AND PAVEMENT FOR THE LIMITS OF THE PROPOSED ROADWAY IMPROVEMENTS. THE LIMITS OF THE ROADWAY IMPROVEMENTS SHALL BE STABILIZED WITHIN 72 HOURS AFTER GRADING.
9. INSPECT ALL DISTURBED AREAS ON A WEEKLY BASIS AND AFTER EVERY ONE-HALF INCH OF RAINFALL. FOLLOWING THESE INSPECTIONS, INSTALL ANY AND ALL TEMPORARY DRAINAGE, EROSION, AND SEDIMENT CONTROL PRACTICES AS INDICATED OR AS REQUIRED, I.E., DIVERSION CHANNELS, BERMS, DRAINS, DITCHES, SILT SACKS, SILT FENCES, SEED AND MULCH, OR ANY OTHER BEST MANAGEMENT PRACTICES AS RECOMMENDED AND SPECIFIED IN THE "STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS OF NEW HAMPSHIRE" (USDA - SOIL CONSERVATION SERVICE).
10. PLACE TOPSOIL, COMPLETE PERMANENT FERTILIZING, LIMING, SEEDING AND MULCHING, AND INSTALL LANDSCAPE PLANTING.
11. CLEAN AND RESTORE SILT DESTINATION SITES. REMOVE OTHER EROSION CONTROL PRACTICES ON A TIMELY BASIS AS PERMANENT MEASURES TAKE HOLD. SPOT FERTILIZE, SEED, AND MULCH AS REQUIRED. NO RUNOFF SHALL BE DIRECTED TO THE PERMANENT MEASURES UNTIL THEY ARE ESTABLISHED.
12. INSPECT AND MAINTAIN GRADING, EROSION CONTROL AND SEDIMENT CONTROL PRACTICES WEEKLY AND INSPECTION SHOULD OCCUR AFTER EVERY 0.5" OR GREATER RAINFALL WITHIN A 24 HOUR PERIOD.
13. REFER TO "EROSION AND SEDIMENT CONTROL PLAN" FOR ADDITIONAL DETAILS RELATIVE TO THE REQUIRED CONSTRUCTION SEQUENCE. MAINTENANCE OF ALL EROSION CONTROL COMPONENTS SHALL BE AN ONGOING PRACTICE AND IN STRICT ACCORDANCE WITH THE APPROVED PLAN.

SPECIAL WINTER CONSIDERATIONS

THE MAJOR FOCUS OF WINTER EROSION AND SEDIMENT CONTROL IS THE PERIODS OF INTENSE RUNOFF ASSOCIATED WITH MID-WINTER THAWS AND RAINSTORMS, AND THE SPRING MELT.

FROZEN GROUND MAKES THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES VERY DIFFICULT. INSTALLATION SHOULD TAKE PLACE WELL BEFORE THE GROUND FREEZES. MAINTENANCE IN WINTER WILL BE MUCH MORE TIME CONSUMING AND DIFFICULT THAN IN THE SUMMER. THE OVERALL CONSTRUCTION SCHEDULE AND THE WEEKLY WORK SCHEDULE WILL BE DEVELOPED TO INCREASE TIME, EFFORT, AND MANPOWER DEVOTED TO MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES.

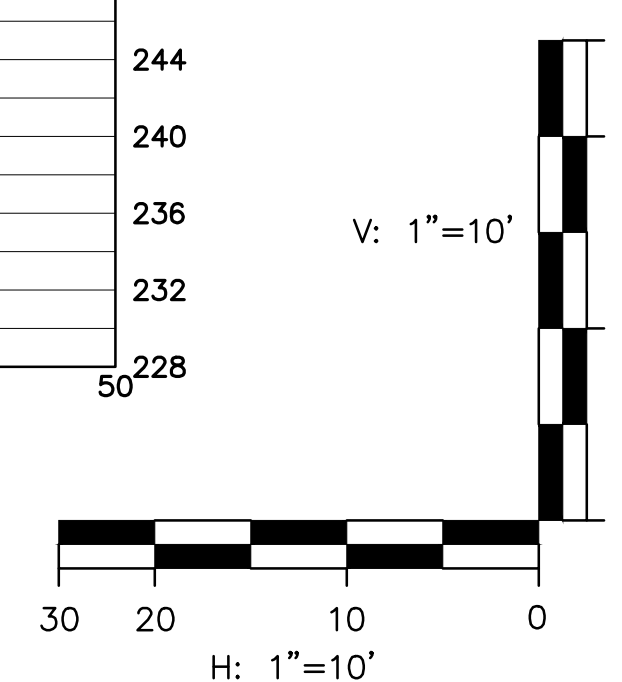
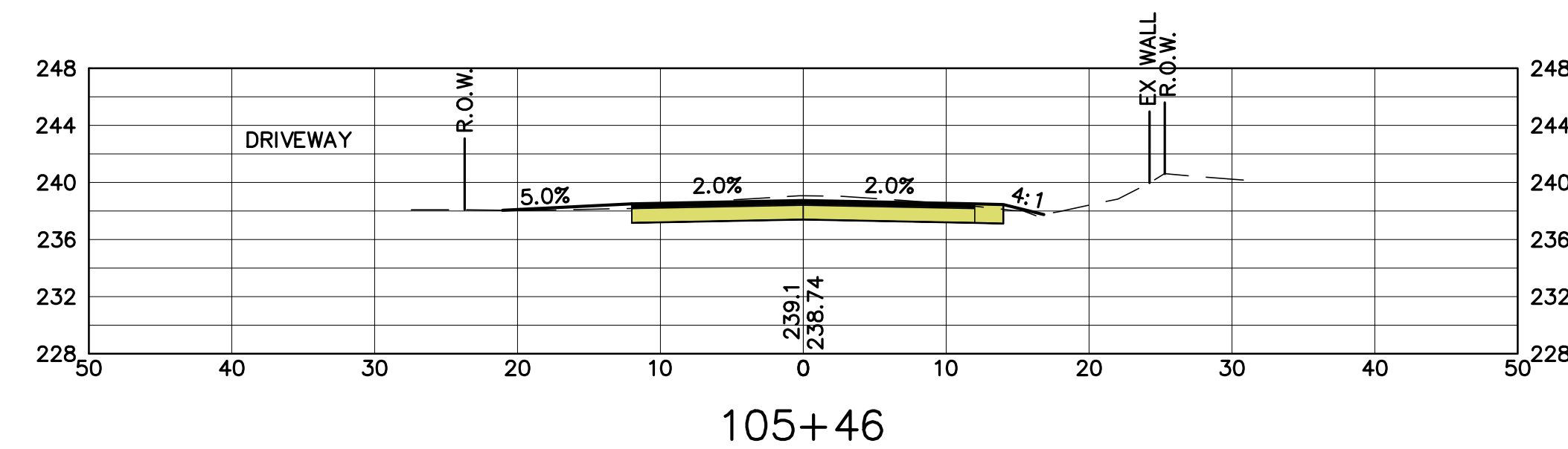
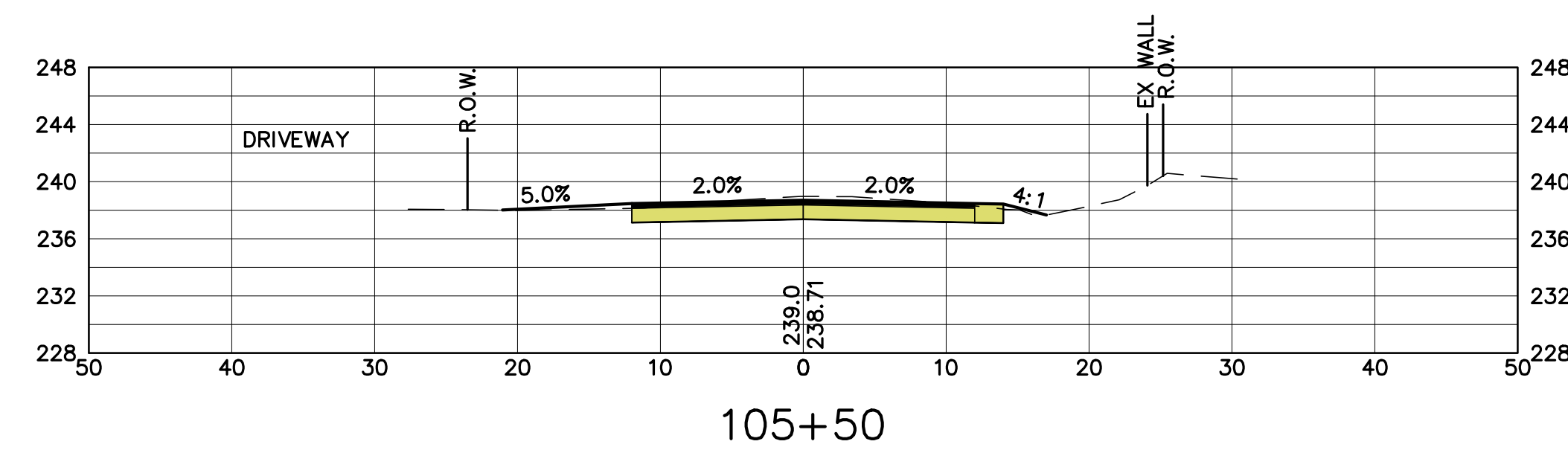
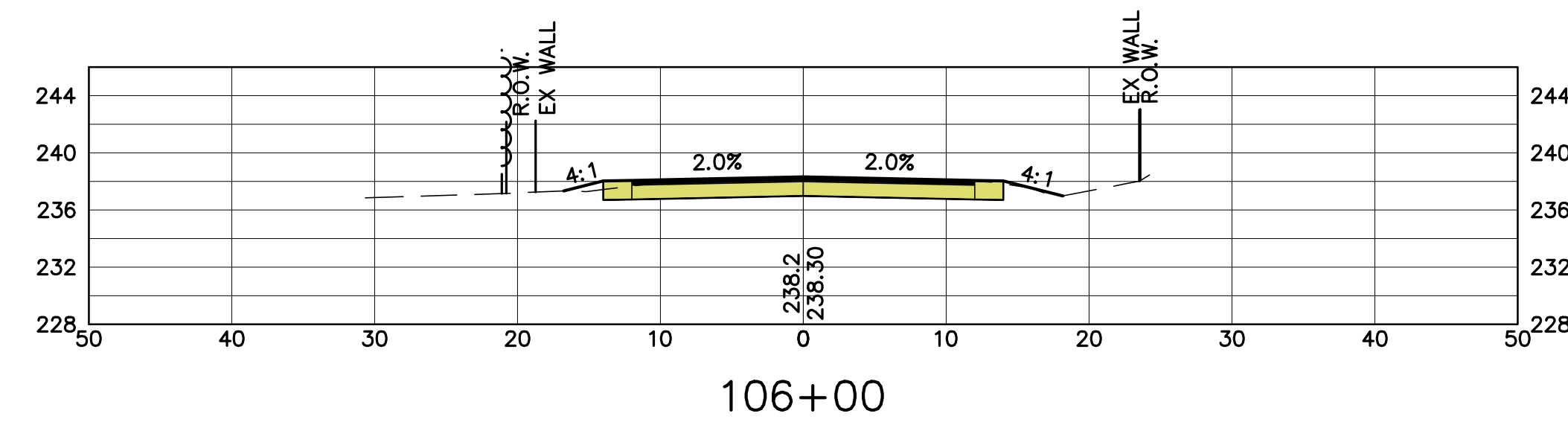
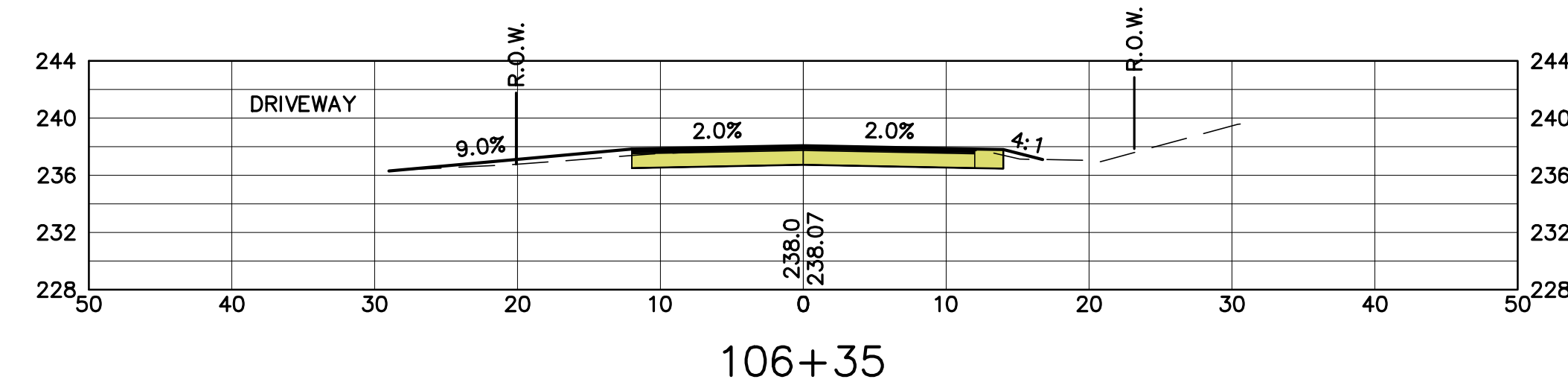
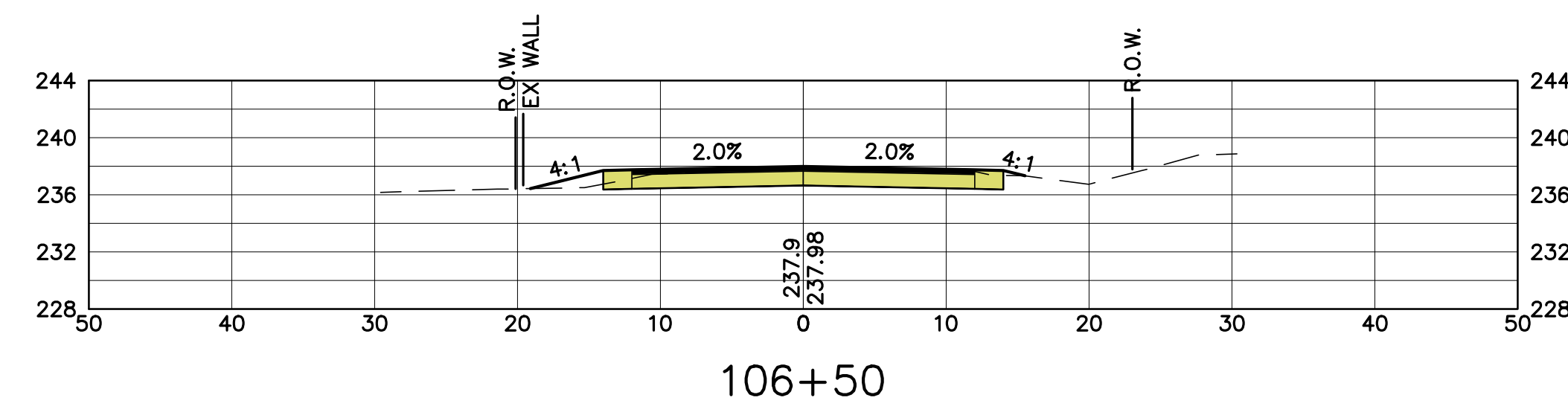
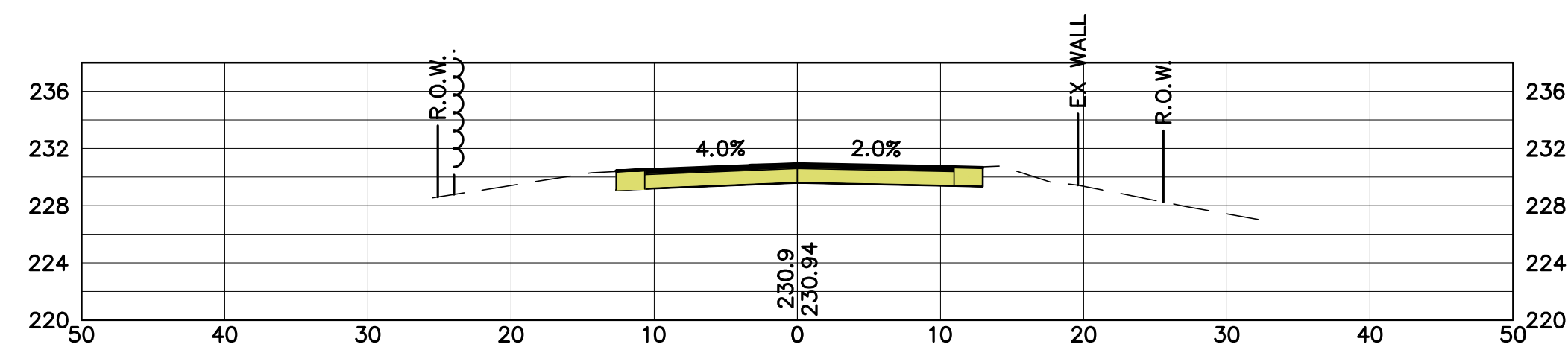
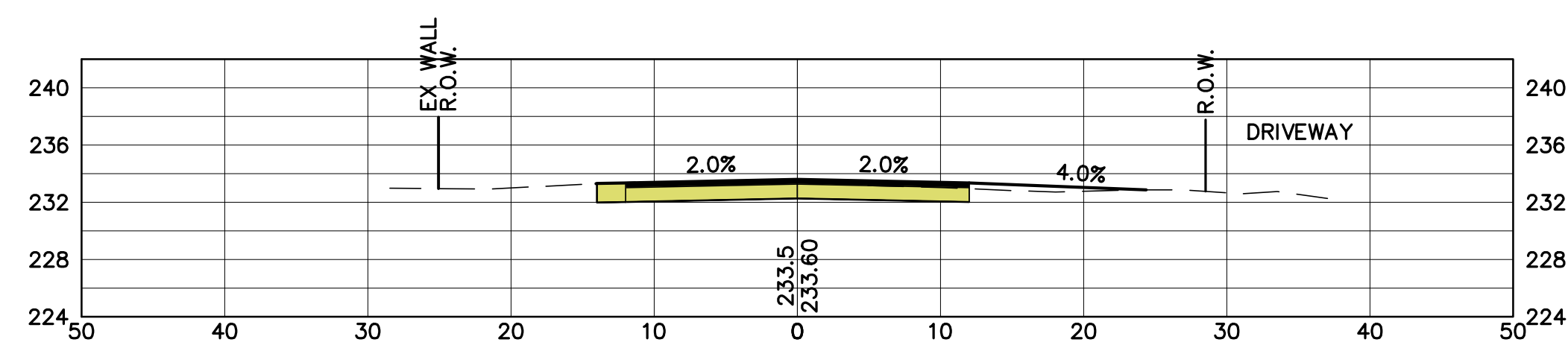
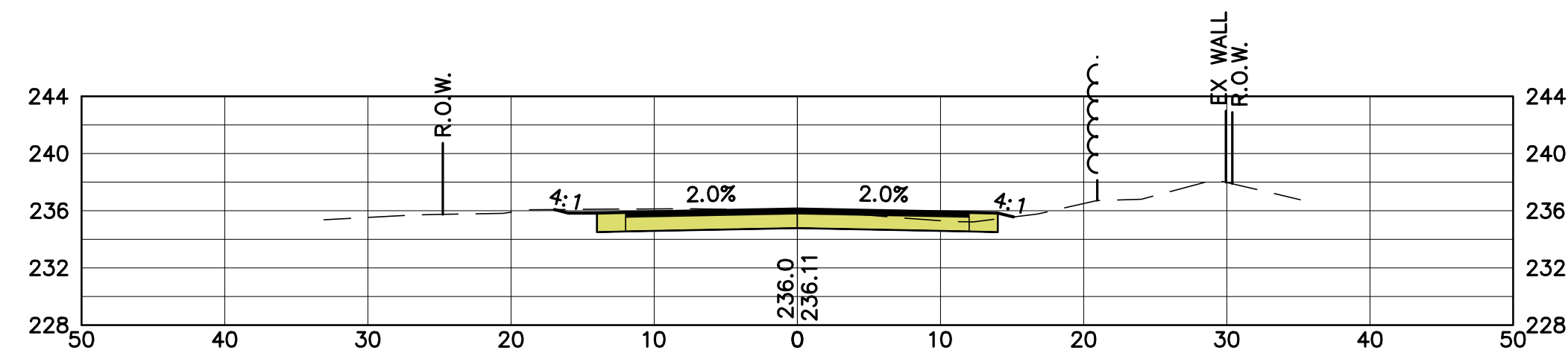
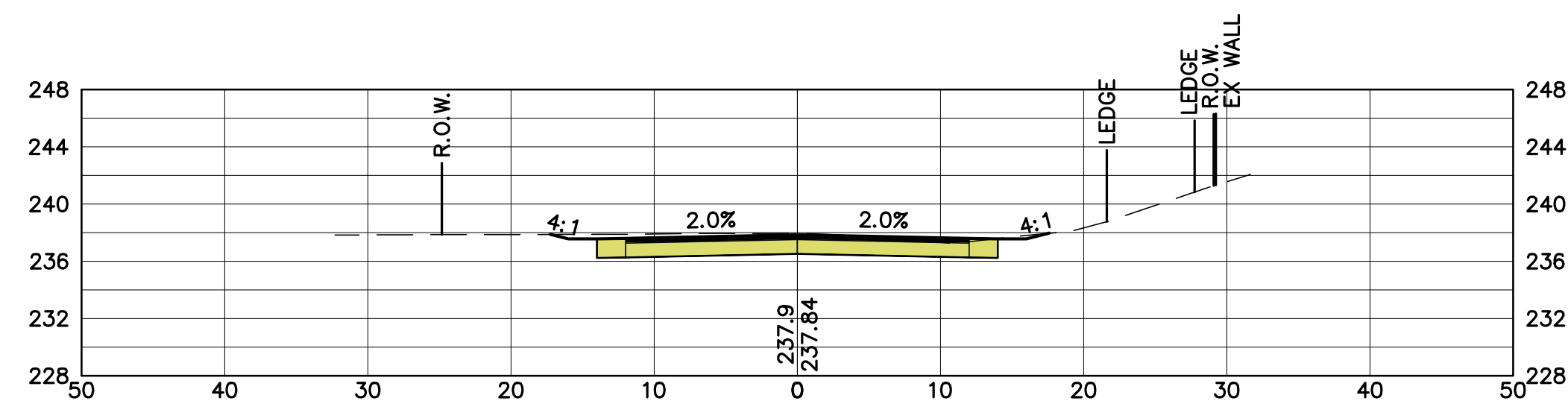
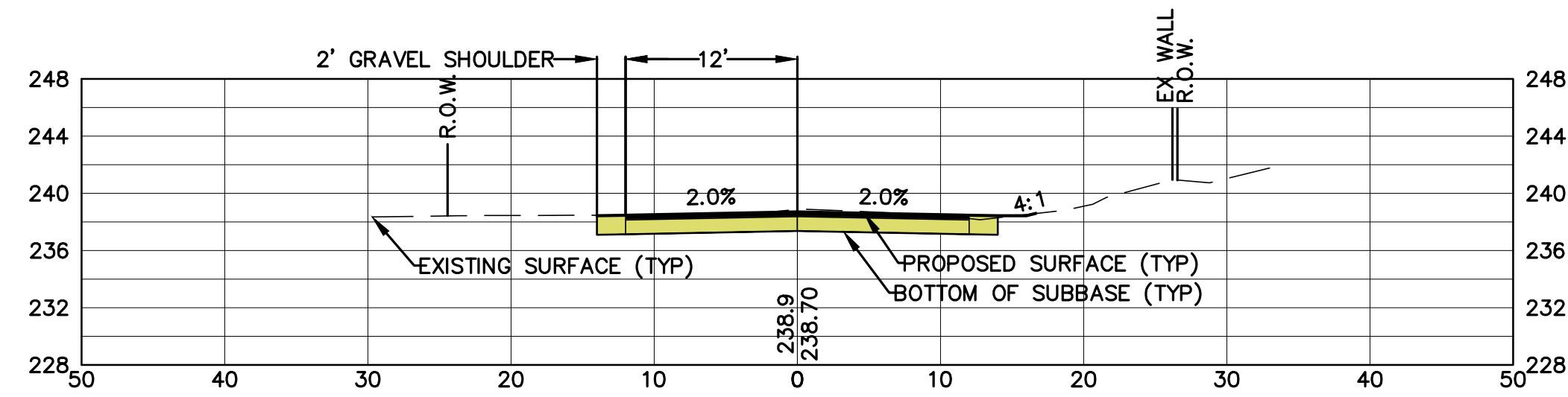
INTENSE RUNOFF IN MID-WINTER THAWS AND RAINSTORMS, AND THE SPRING MELT PERIOD, CAN RESULT IN MORE SEVERE EROSION AND SEDIMENTATION PROBLEMS THAN RUNOFF FROM SUMMER STORMS. THE SOIL IS OFTEN COMPLETELY SATURATED WITH WATER, AND IS ALSO OFTEN UNDERLAIN BY A FROST LAYER. BOTH OF THESE FACTORS RESULT IN A GREATER PERCENTAGE OF THE RAIN OR MELT WATER RUNNING OVER THE GROUND SURFACE. WINTER AND SPRING RAINSTORMS ARE OFTEN HEAVIER AND MORE INTENSE THAN SUMMER SHOWERS. FOR THESE REASONS EROSION AND SEDIMENTATION CAN BE ESPECIALLY SEVERE IN MID-WINTER THAWS AND THE SPRING MELT.

- ### 1. CONTROL MEASURES FOR WINTER CONSTRUCTION:

- A. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS;
 - B. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS; AND
 - C. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF GRAVEL PER NHDOT ITEM.
 - D. MINIMIZE DISTURBED AREA AND TIME OF DISTURBANCE: DISTURBED AREA AND LENGTH OF DISTURBANCE SHALL BE MINIMIZED ESPECIALLY BETWEEN OCTOBER 15TH AND MAY 1ST.
 - E. GRASSED OR RIP RAPPED SWALES AND DITCHES: INSTALLATION WILL OCCUR BEFORE GROUND FREEZES. CHANNELS ARE TO BE STABILIZED WITH STONE, RIPRAP, OR VEGETATION IMMEDIATELY. INSPECTIONS ARE TO BE FREQUENT WITH REMOVAL OF ANY FLOW BLOCKAGE CAUSED BY ICE OR SEDIMENT.
 - F. MULCHING: MULCH ALONE SHOULD NOT BE CONSIDERED AN ADEQUATE EROSION AND SEDIMENT CONTROL TECHNIQUE FOR AREAS THAT ARE DISTURBED IN THE WINTER OR SPRING. MULCH IS EASILY WASHED AWAY BY INTENSE RUNOFF FLOWING OVER SATURATED OR FROZEN SOIL. IT IS ESSENTIAL THAT MULCH BE LAID DOWN IN SUCH A WAY THAT IT WILL NOT BLOW OR WASH AWAY.
 - G. SILT FENCE: INSTALLATION IS REQUIRED BEFORE THE GROUND FREEZES, OTHERWISE STAKES WILL BE DIFFICULT TO DRIVE. INSPECT FREQUENTLY AND REMOVE ANY COLLECTED SEDIMENT PERIODS IN ORDER TO PROVIDE AS MUCH CAPACITY AS POSSIBLE.
 - H. SNOW FENCE: INSTALLATION IS REQUIRED BEFORE THE GROUND FREEZES. OTHERWISE STAKES WILL BE DIFFICULT TO DRIVE. FENCES MUST BE PLACED LIBERALLY AROUND THE WORK SITE TO KEEP SOIL DISTURBANCE TO AN ABSOLUTE MINIMUM.
 - I. STONE CHECK DAMS: PER DETAIL THE PLACEMENT WILL OCCUR IN SWALES AND DITCHES AFTER FINAL GRADING AND IS TO BE MAINTAINED UNTIL THE SITE IS FULLY STABILIZED.
2. INSPECTION AND MAINTENANCE
- INSPECTION OF EROSION AND SEDIMENT CONTROL MEASURES IS REQUIRED MORE FREQUENTLY IN THE WINTER AND SPRING THAN IN THE SUMMER. CAREFUL ATTENTION MUST BE GIVEN TO WEATHER PREDICTIONS. INSPECTION OF ALL CONTROL MEASURES WILL BE ONGOING TO ENSURE THAT STRUCTURES WILL MANAGE THE POTENTIALLY HEAVY AND INTENSE RUNOFF. CONSTANT MAINTENANCE OF CRITICAL CONTROL MEASURES MAY BE NECESSARY DURING THE WINTER AND EARLY SPRING TO PREVENT FAILURE OR OVERLOADING OF CONTROL MEASURES. A SECOND LINE OF CONTROL WILL BE QUICKLY INSTALLED IF PROBLEMS OCCUR. A SUBSTANTIAL AMOUNT OF TIME, EQUIPMENT, AND MANPOWER SHALL BE DEVOTED TO EROSION AND SEDIMENT CONTROL.
3. FOLLOW-UP

INSTALLATION OF PERMANENT VEGETATIVE CONTROLS WILL BE REQUIRED AS EARLY AS IS PRACTICAL AT THE BEGINNING OF THE GROWING SEASON.

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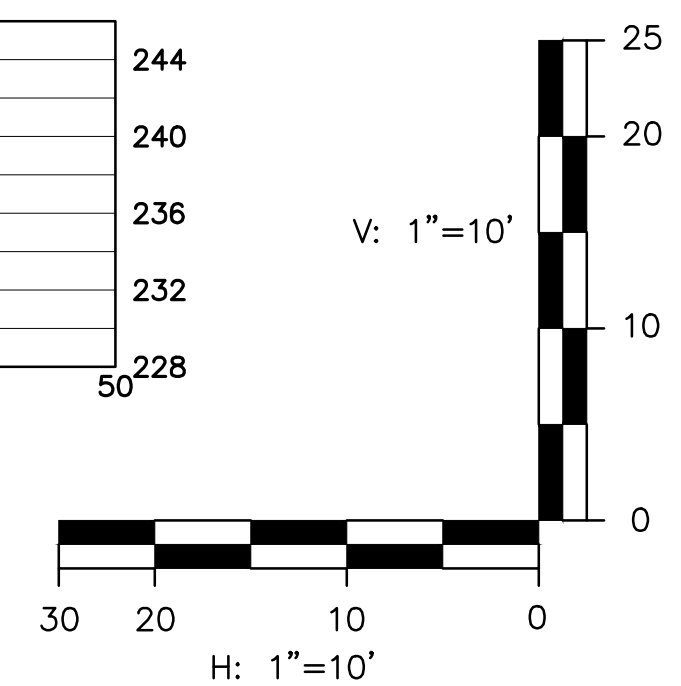
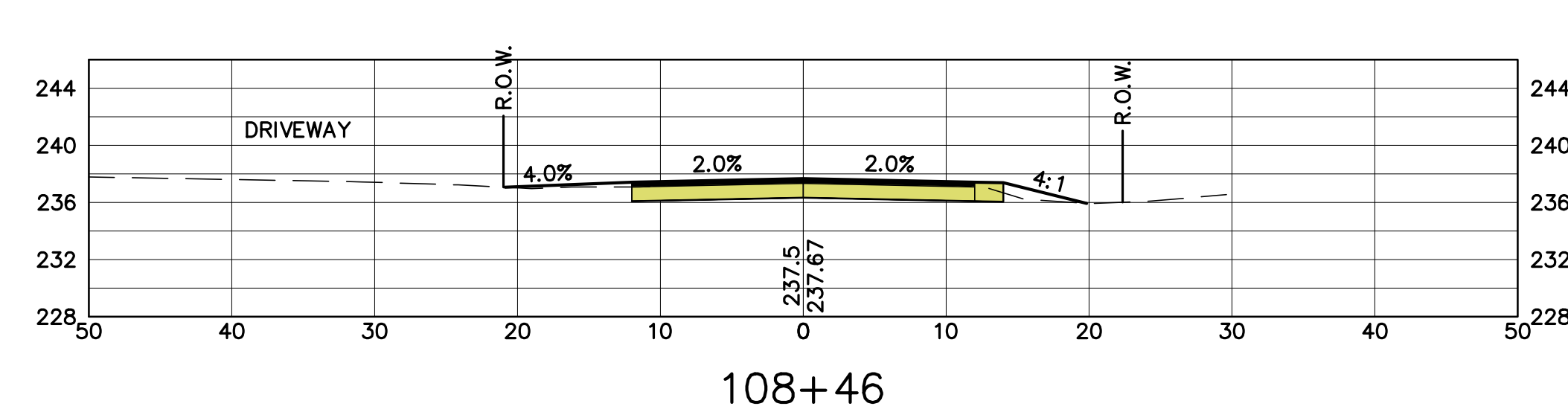
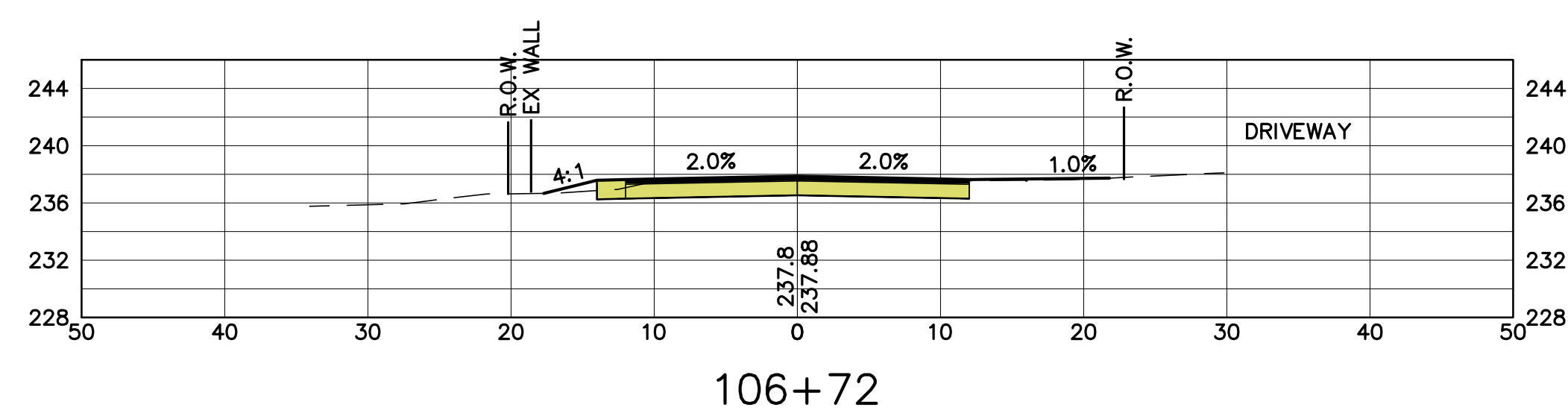
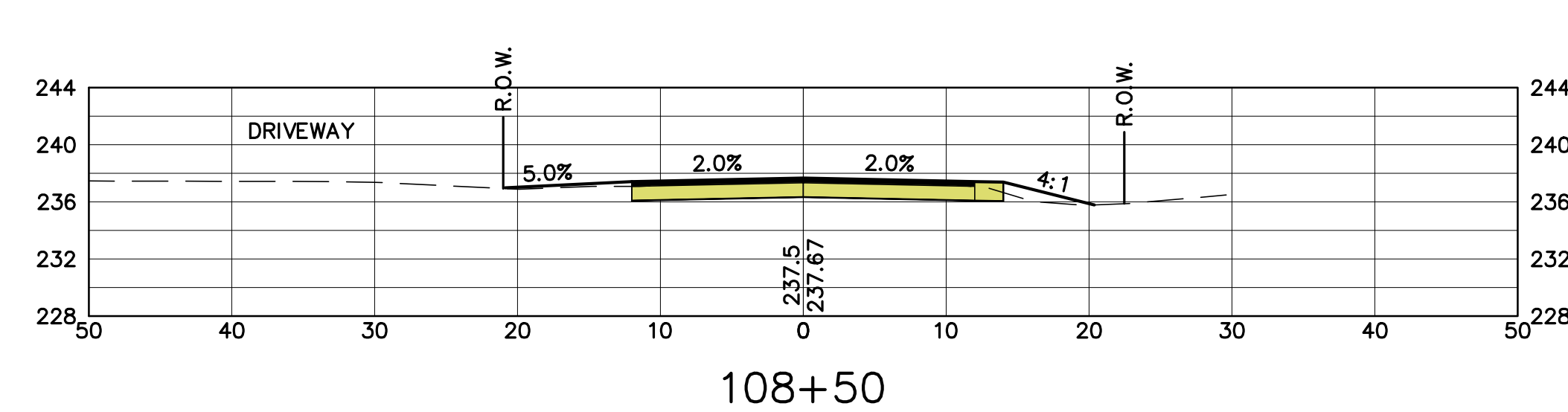
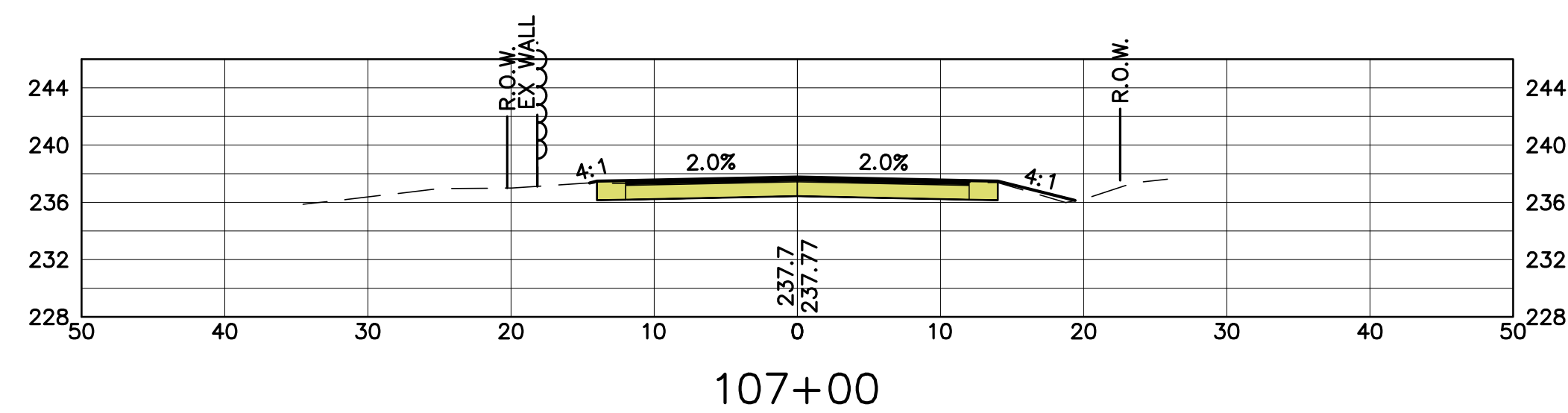
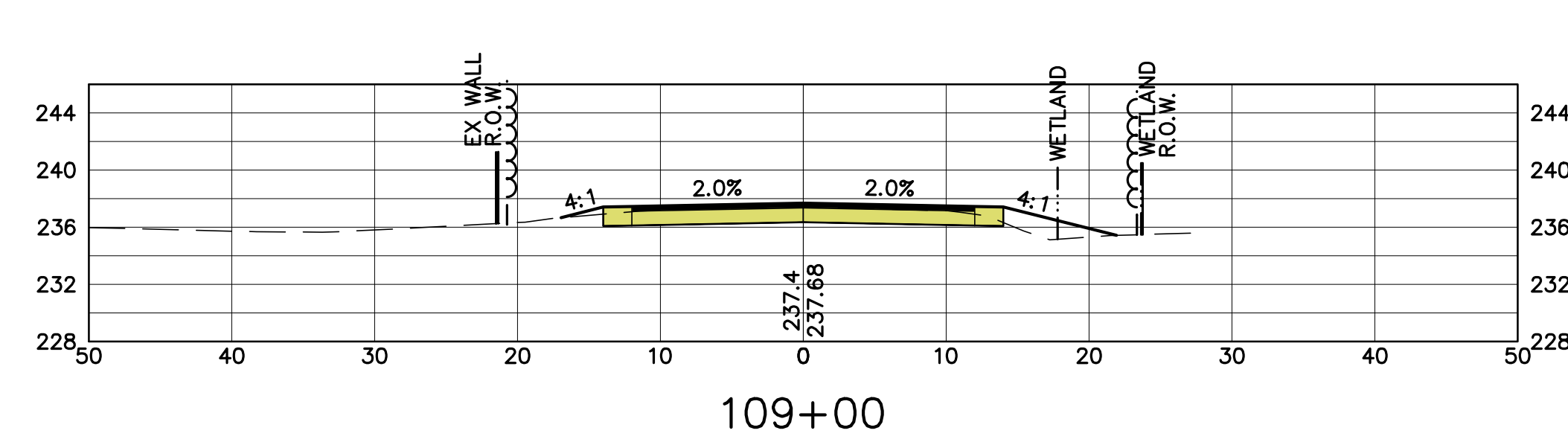
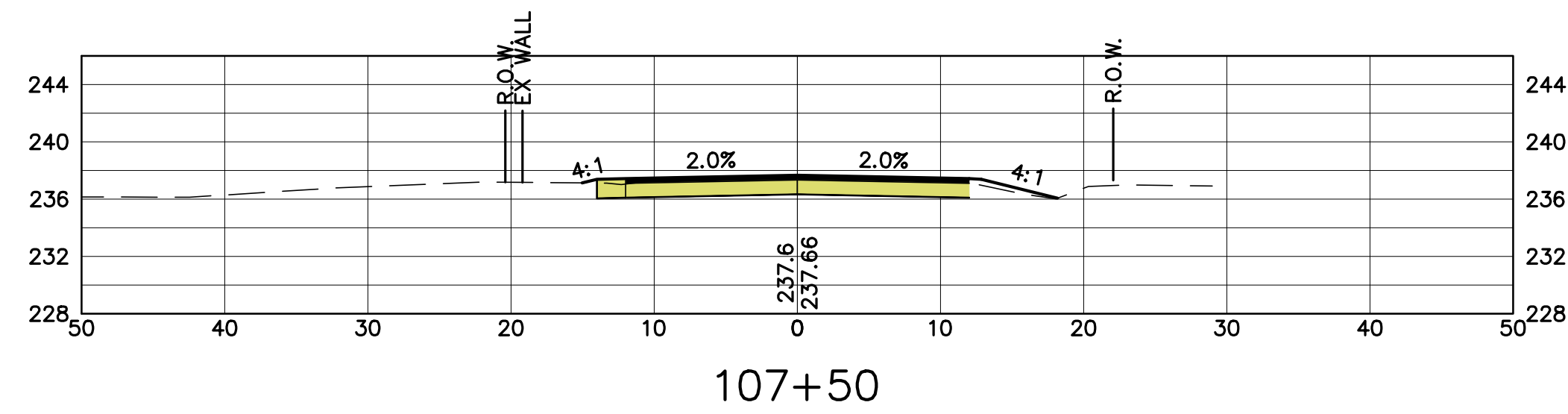
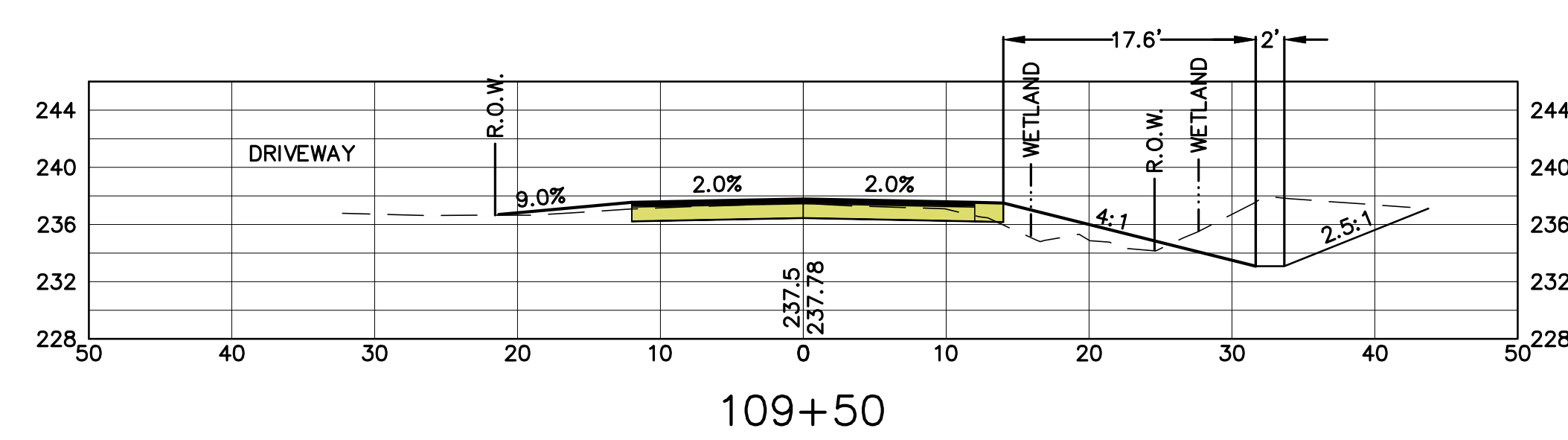
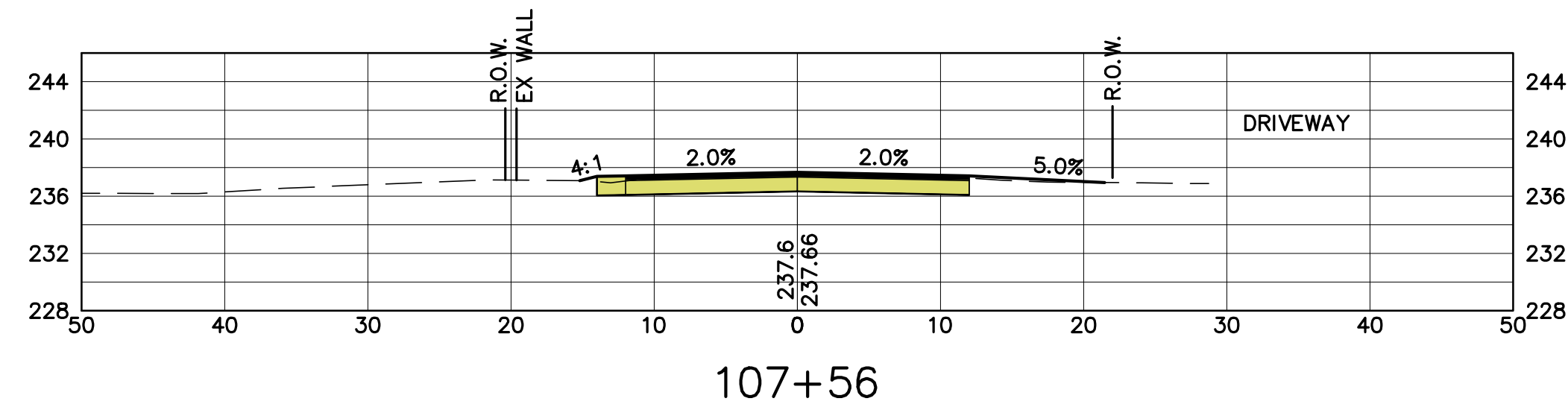
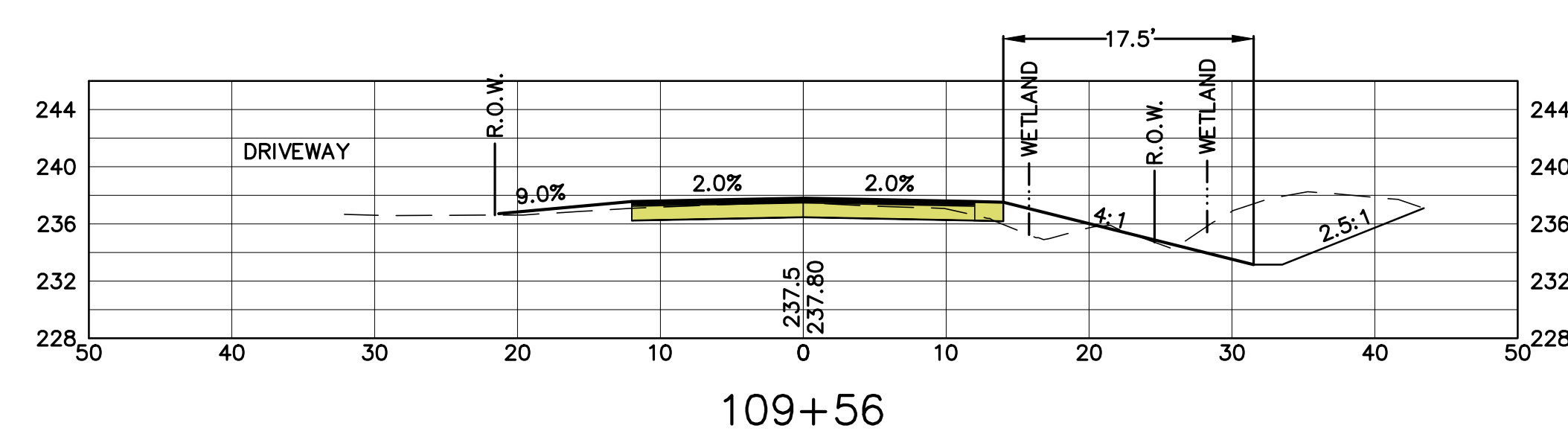
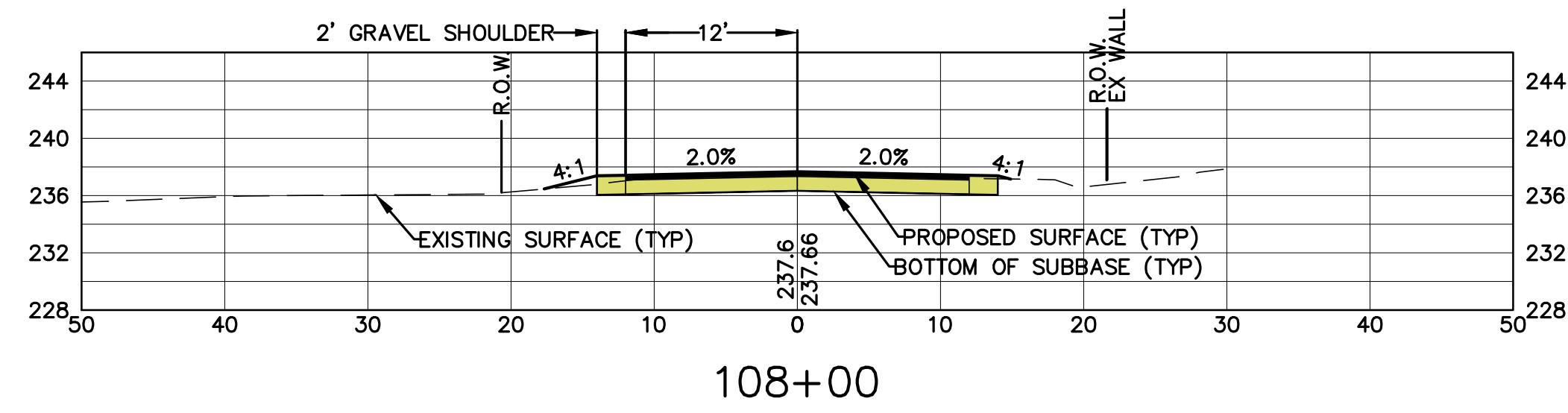
GAULT ROAD
CROSS SECTIONS
103+00 TO 106+50

PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

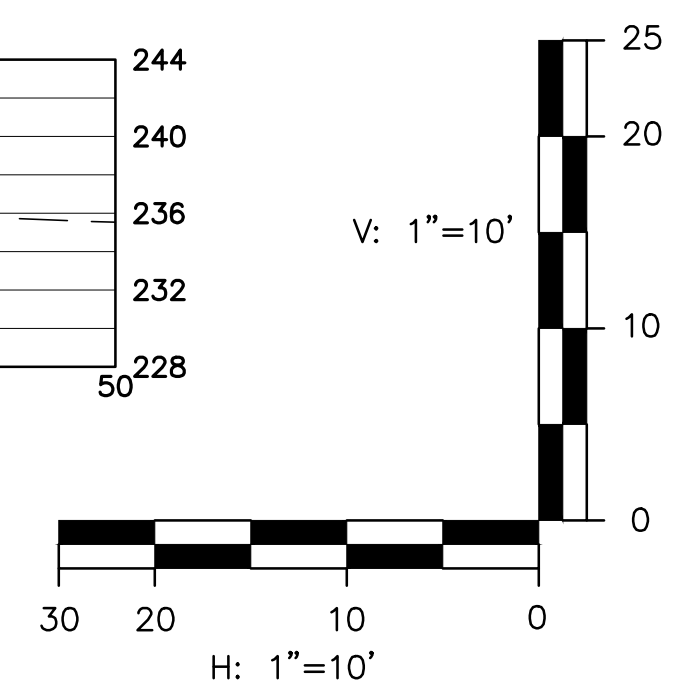
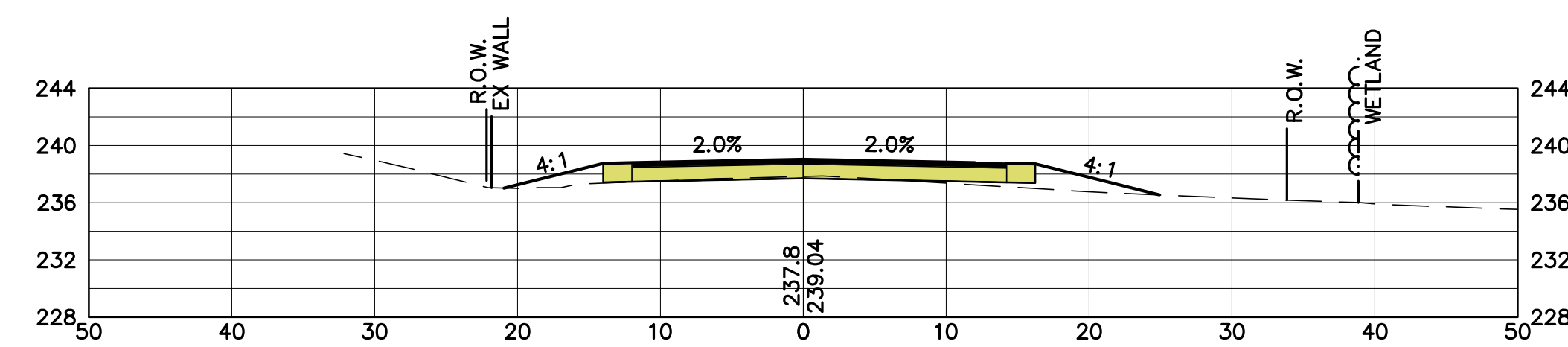
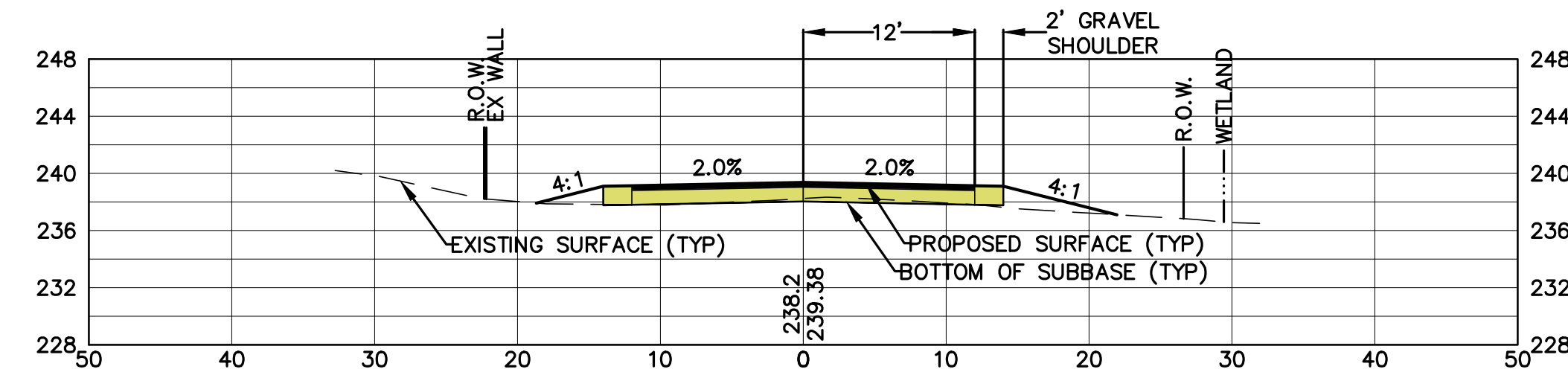
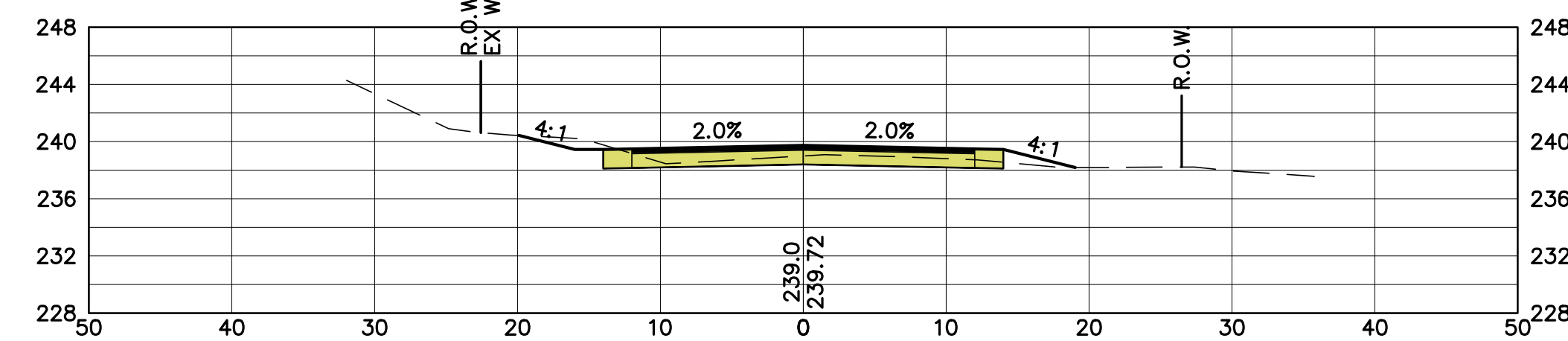
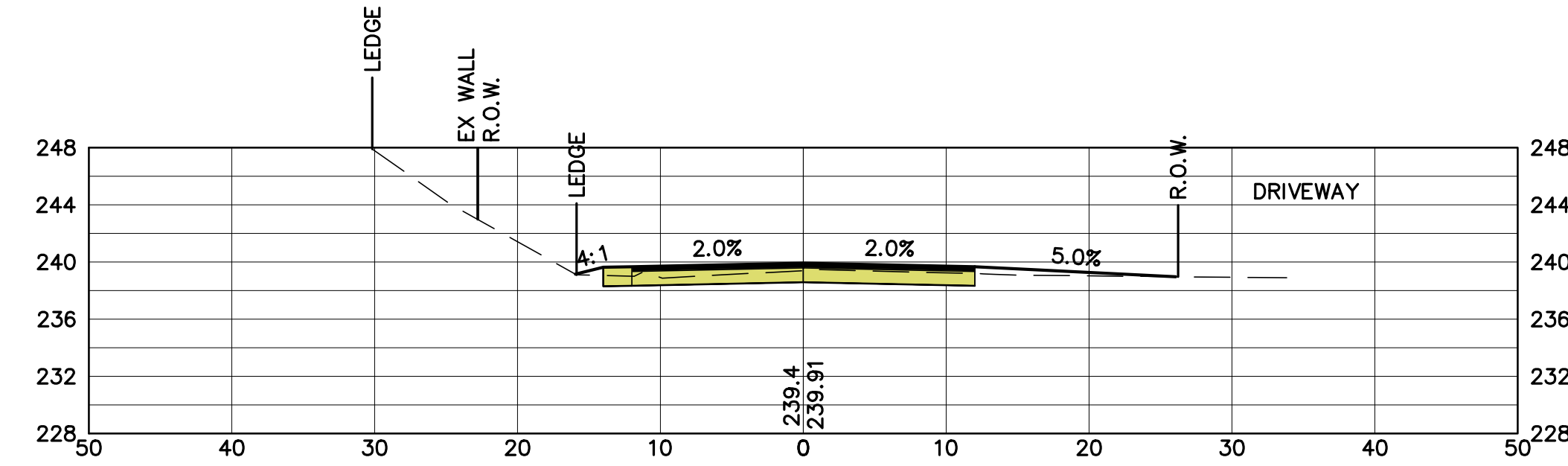
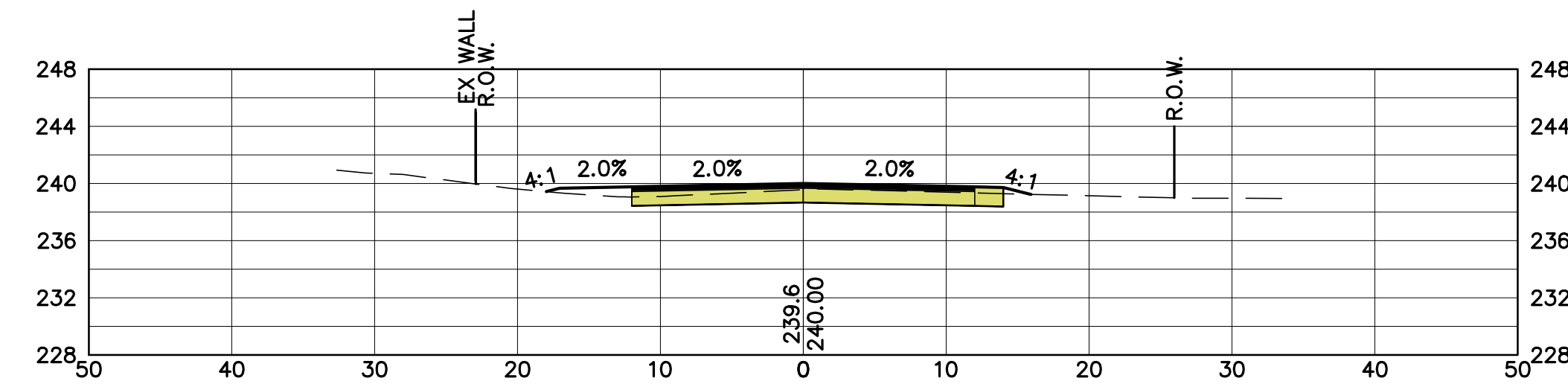
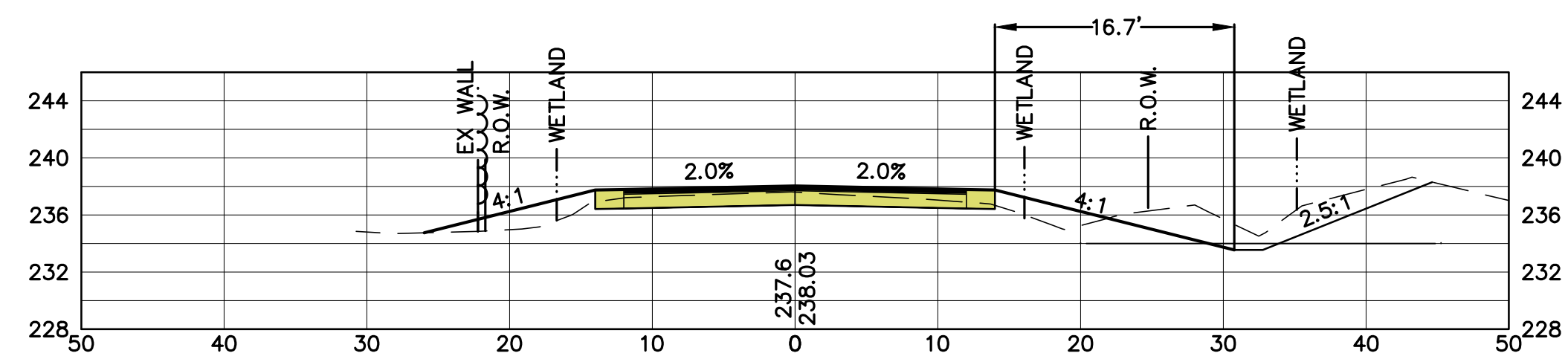
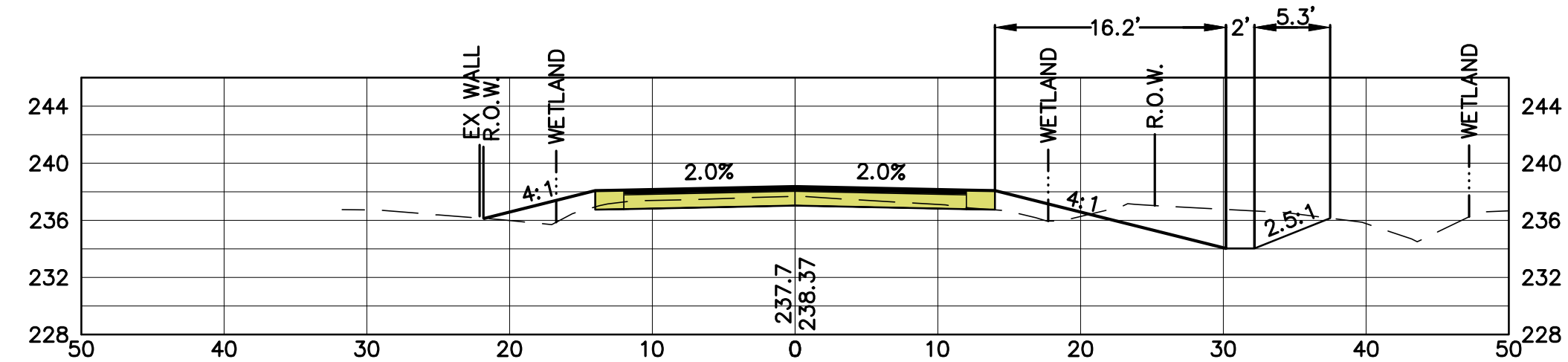
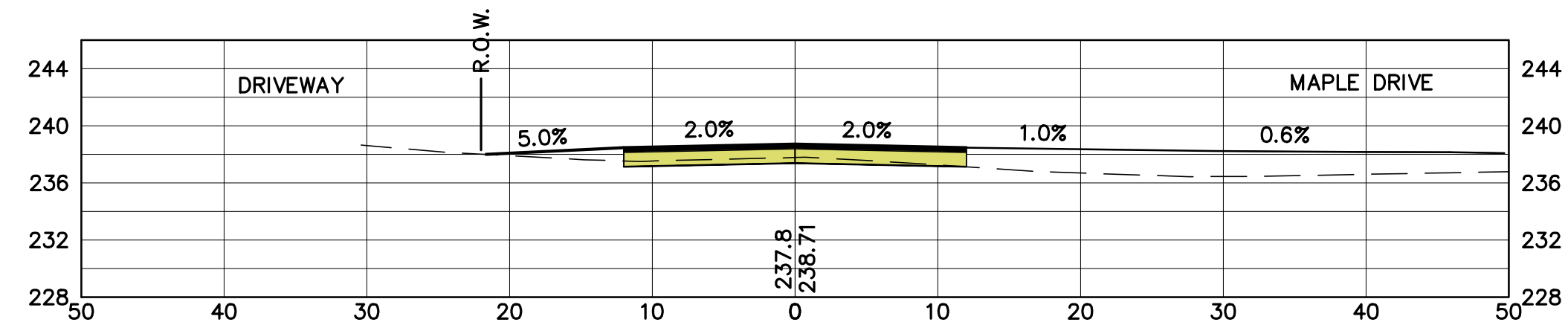
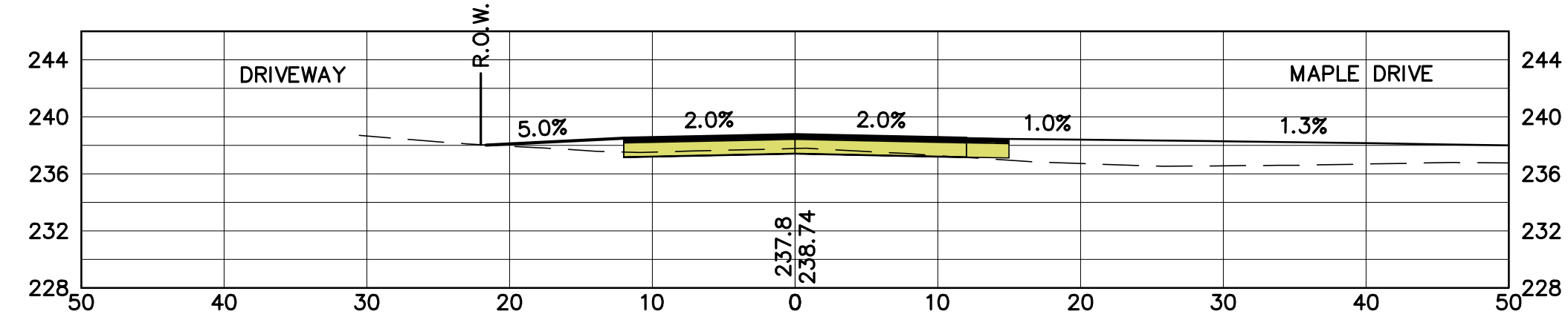
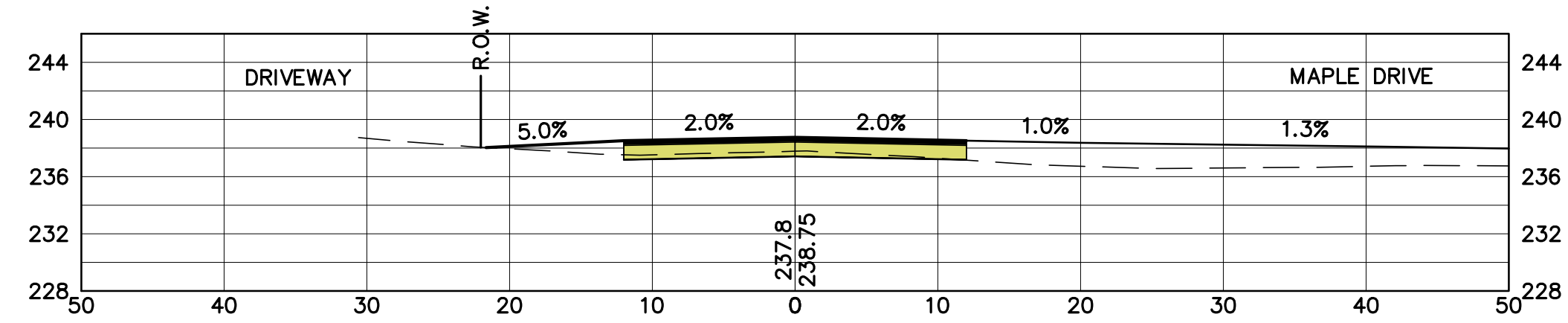
GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE

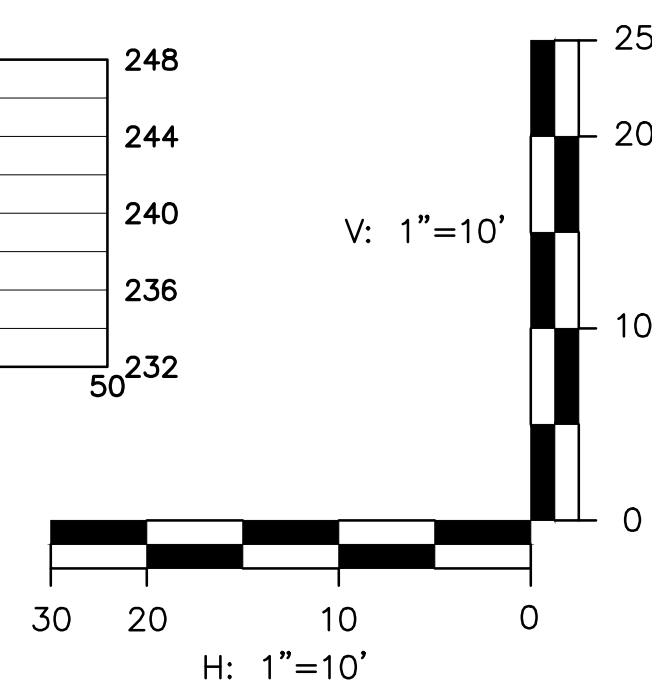
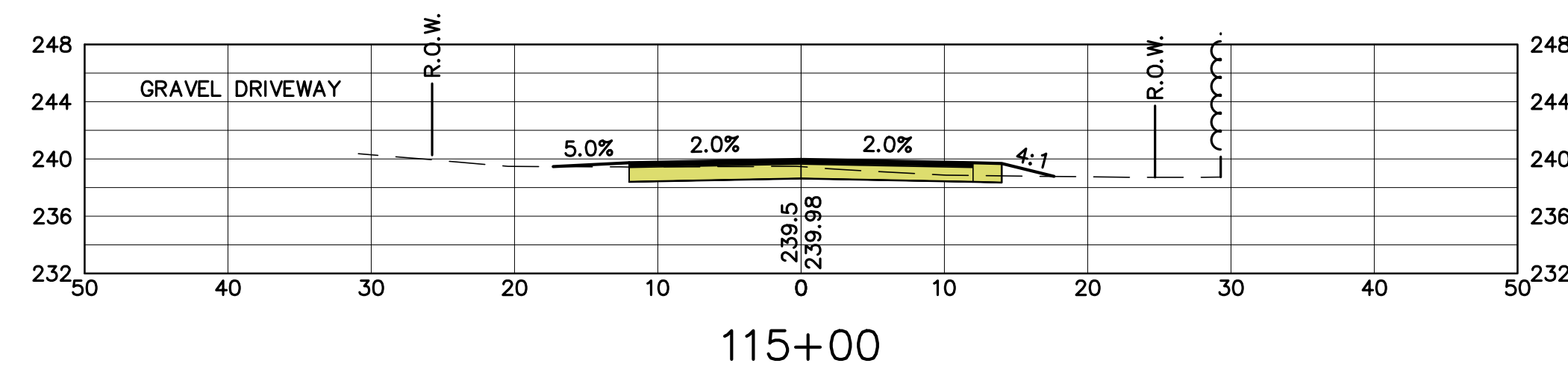
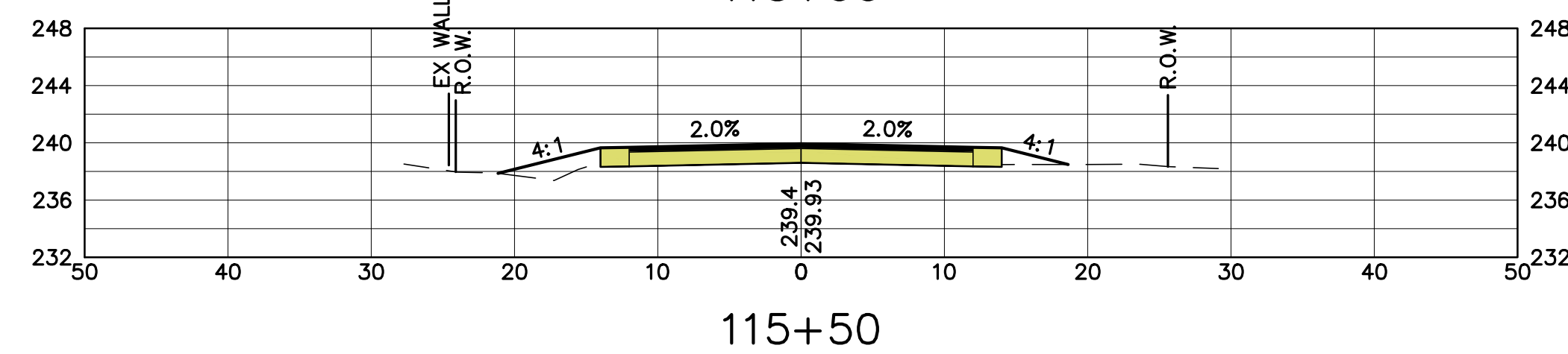
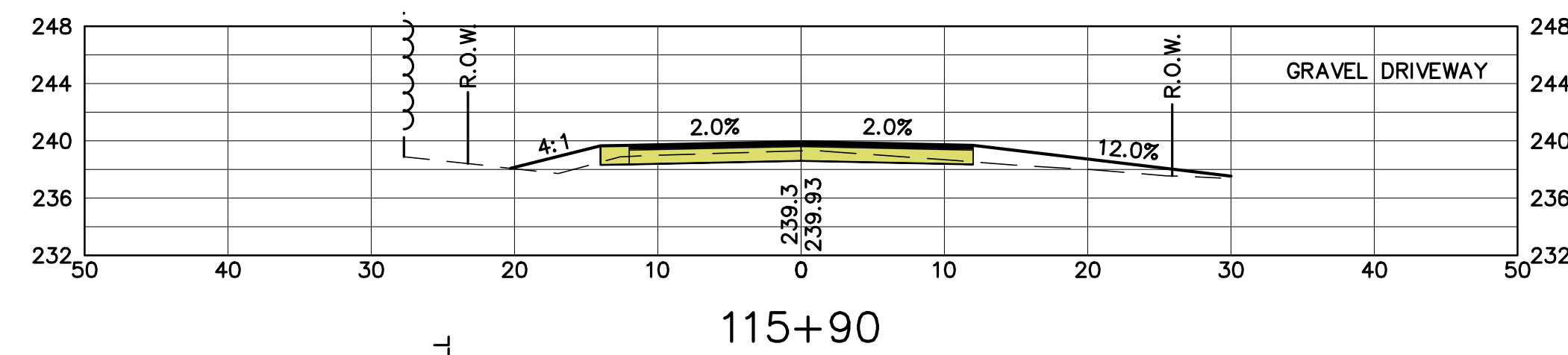
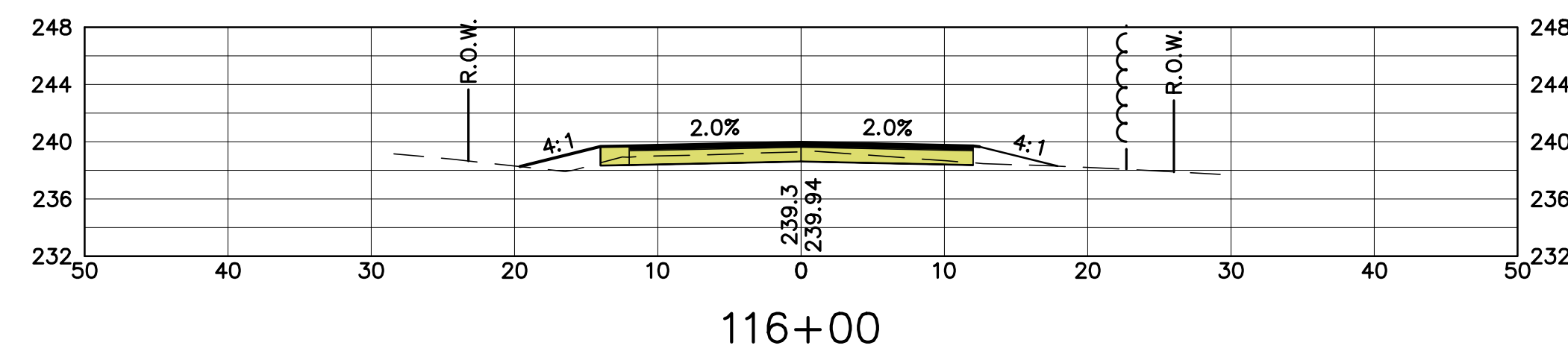
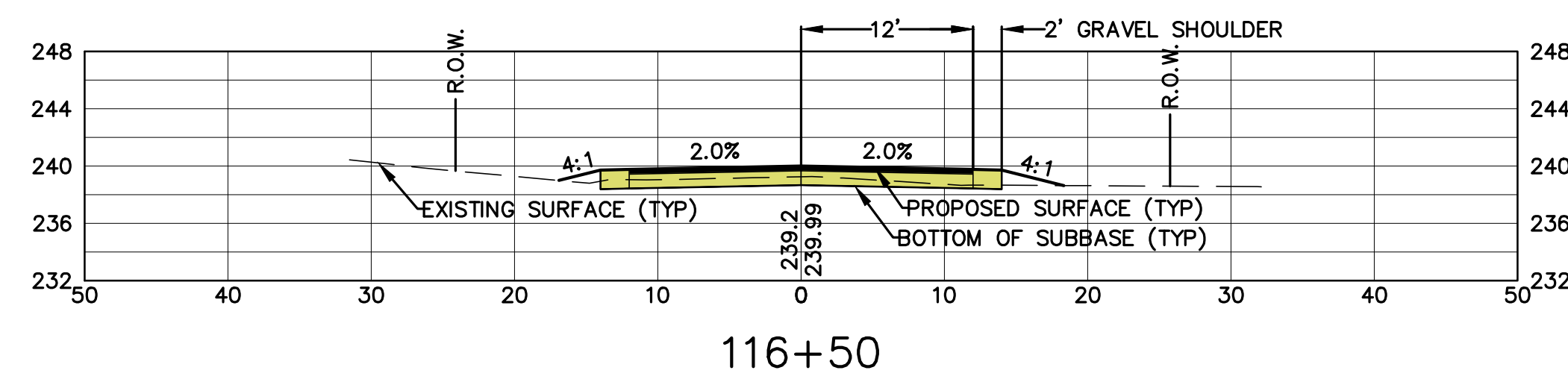
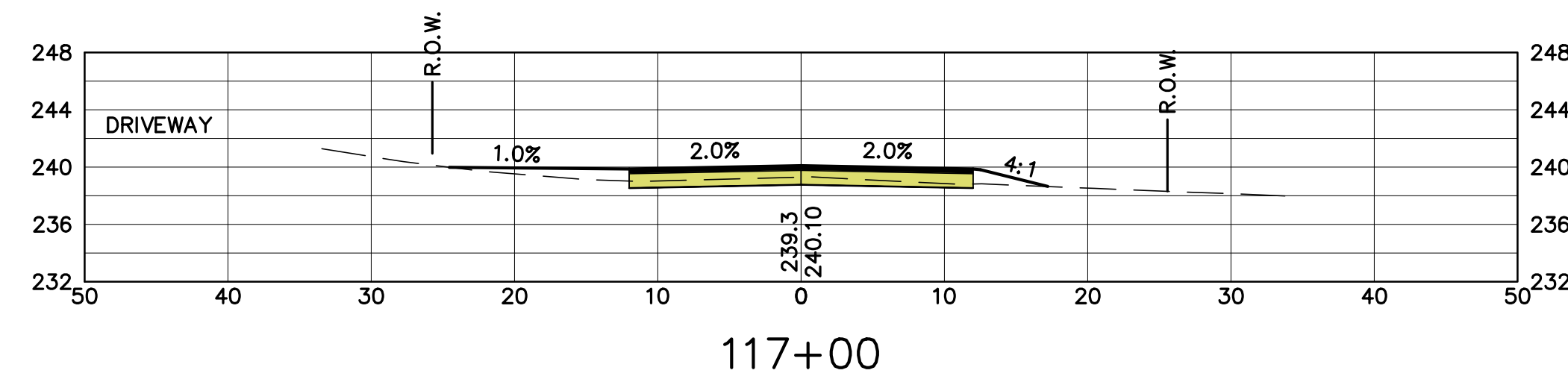
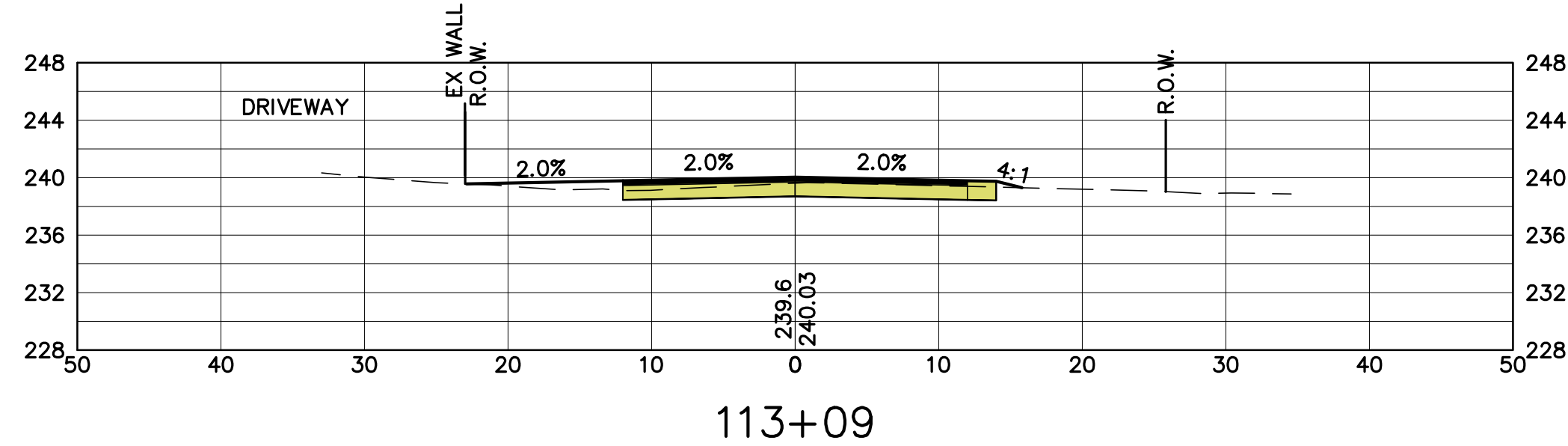
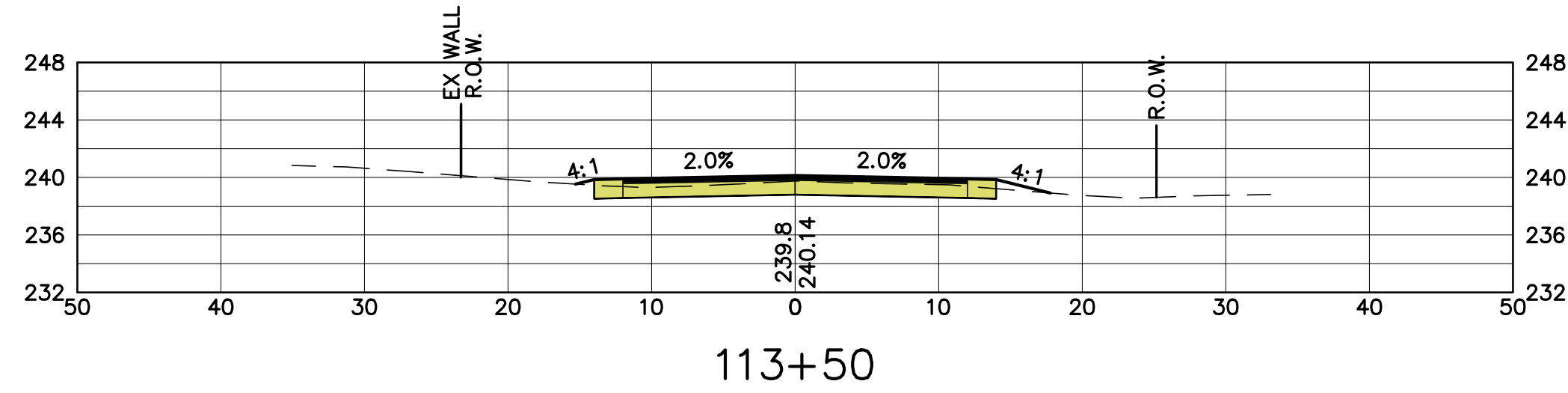
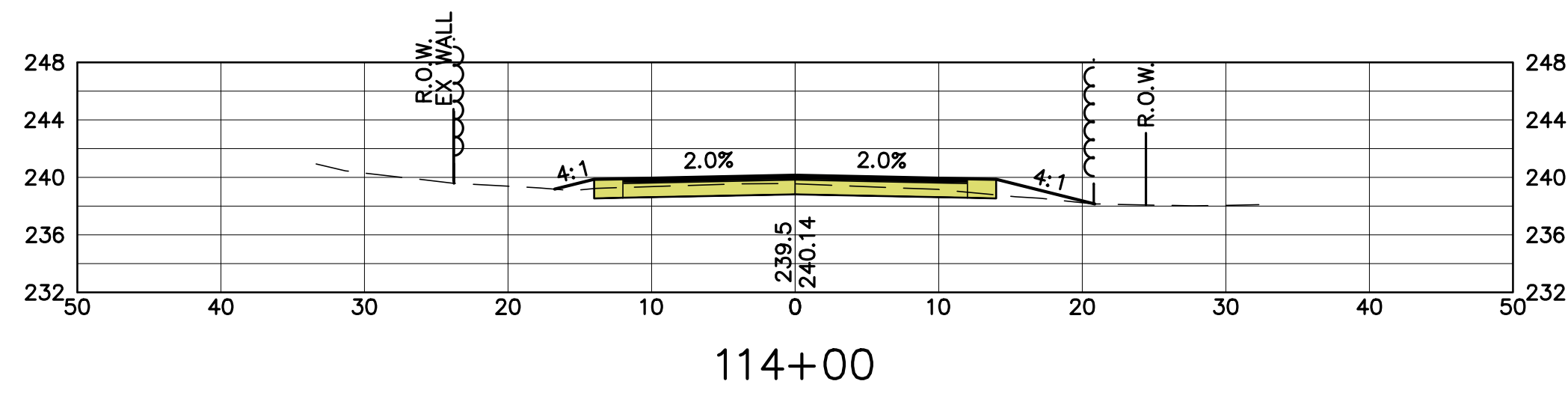
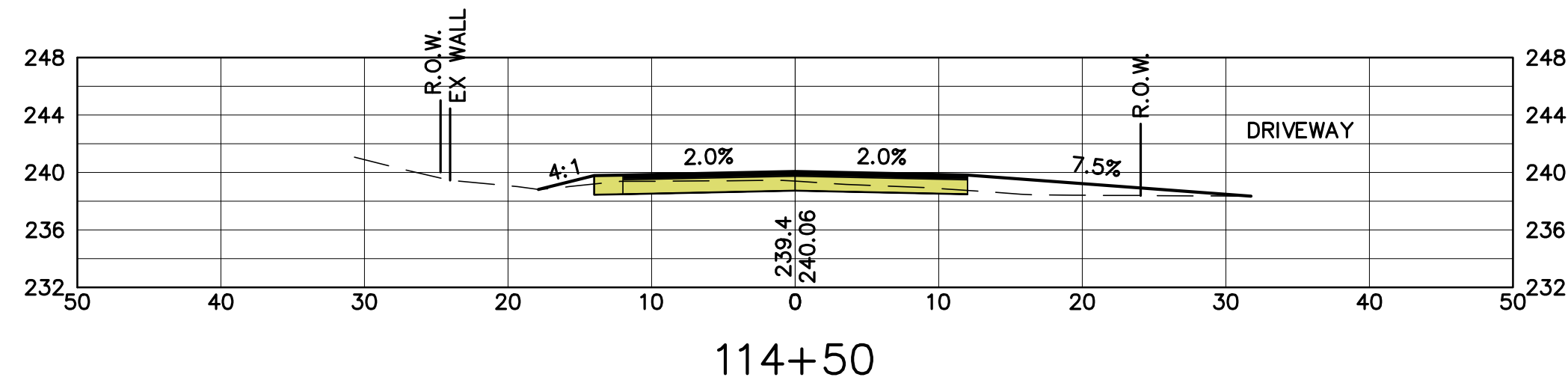
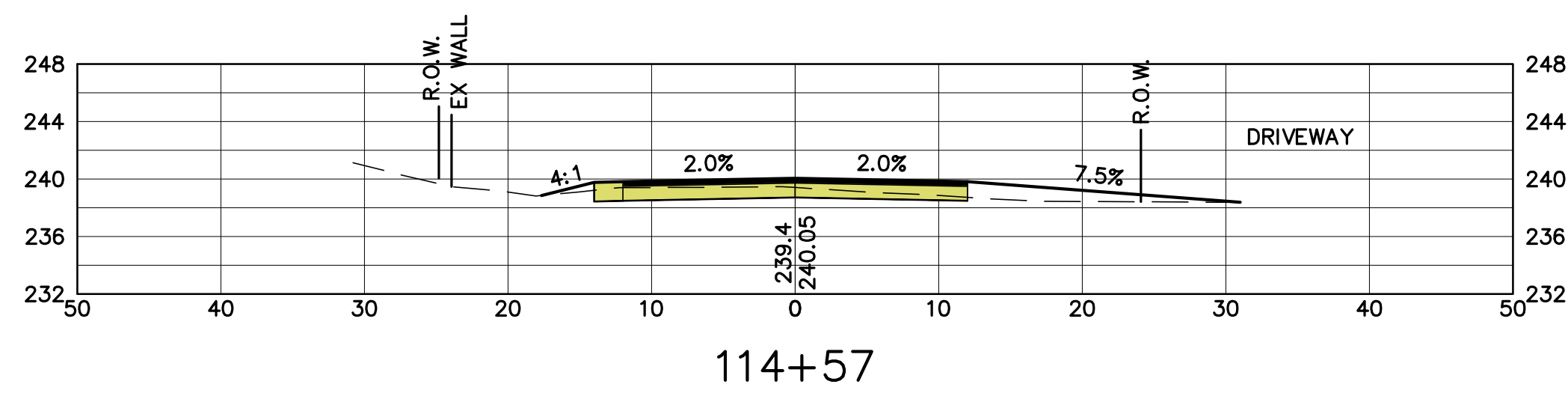
SHEET: 20 OF 41	SCALE: AS SHOWN	DATE: FEBRUARY 3, 2017	PROJ. 12.5--2017
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NO.	DATE	REVISION DESCRIPTION
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GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION BEDFORD, NEW HAMPSHIRE		PREPARED FOR: TOWN OF BEDFORD 24 NORTH AMHERST ROAD BEDFORD, NEW HAMPSHIRE 03110		GAULT ROAD CROSS SECTIONS 106+72 TO 109+56							
SHEET: 21	OF 41	SCALE: AS SHOWN	DATE: FEBRUARY 3, 2017	PROJ.	12.5-2017						
						NO.	DATE	REVISION DESCRIPTION			

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H: $1'' = 10'$

GAULT ROAD
CROSS SECTIONS
113+09 TO 117+00

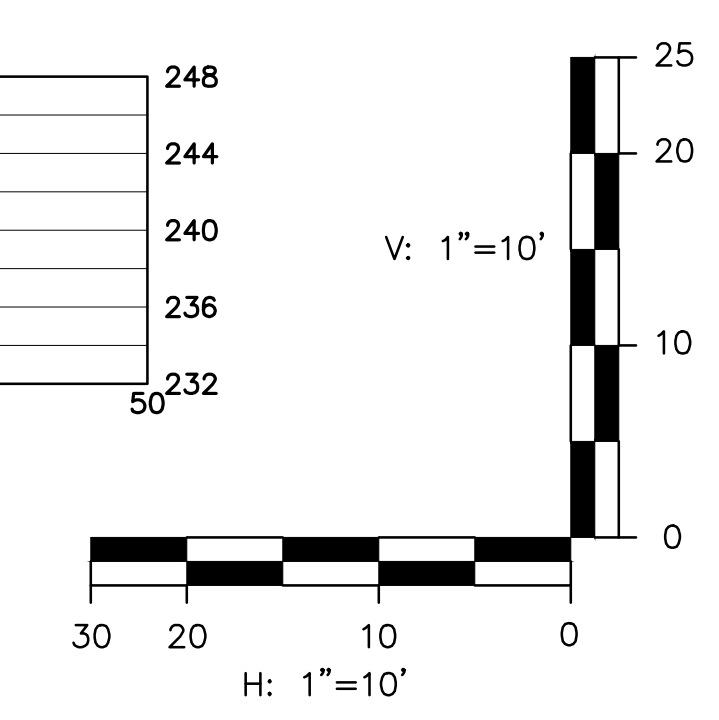
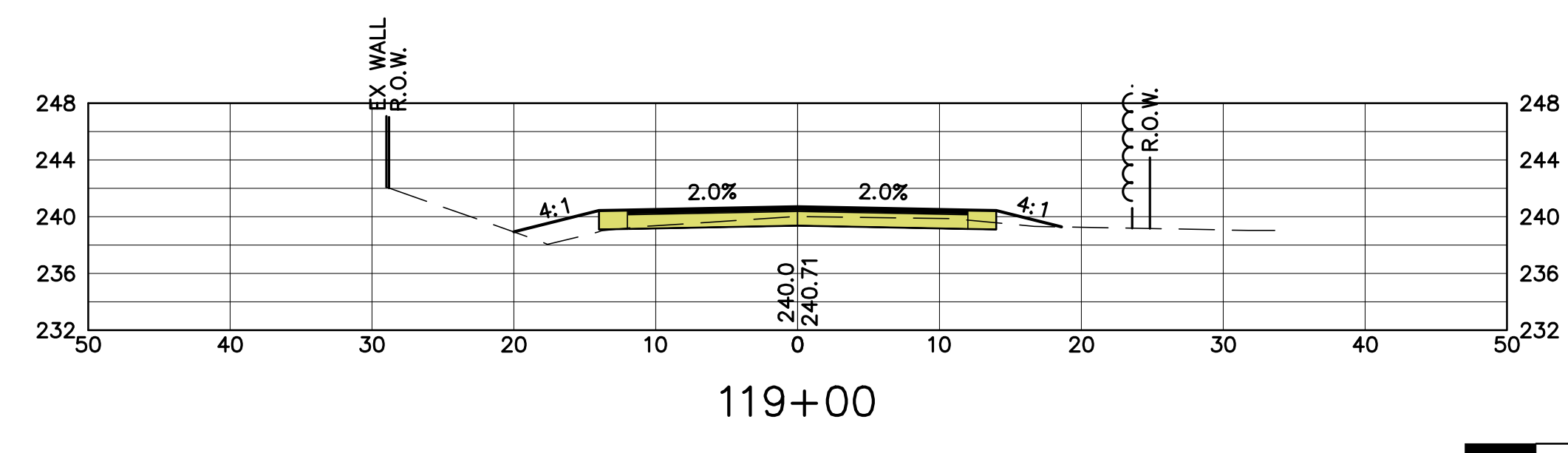
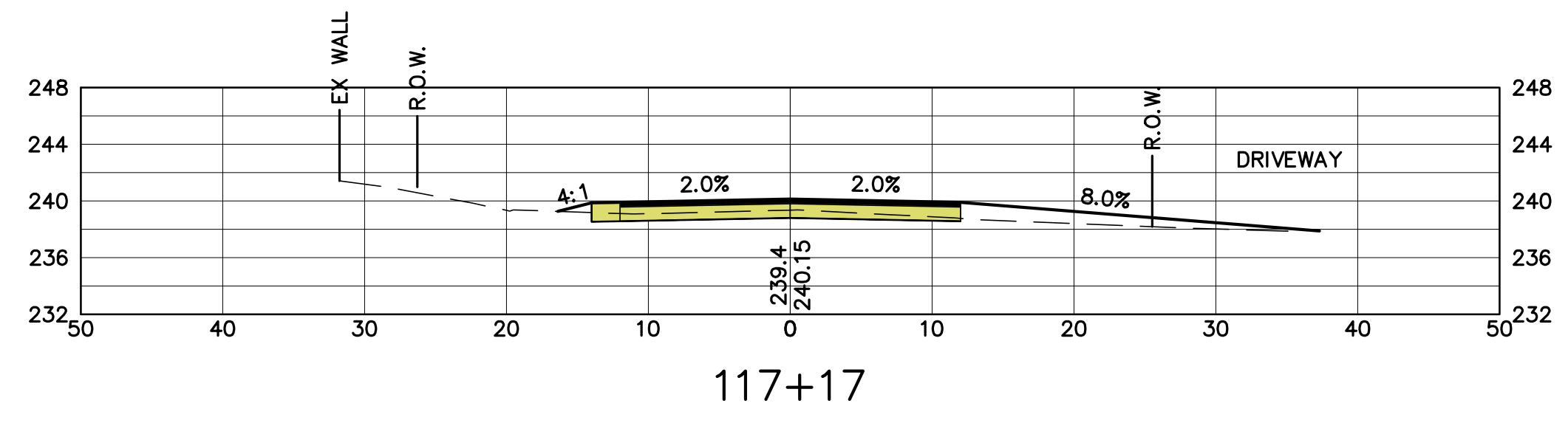
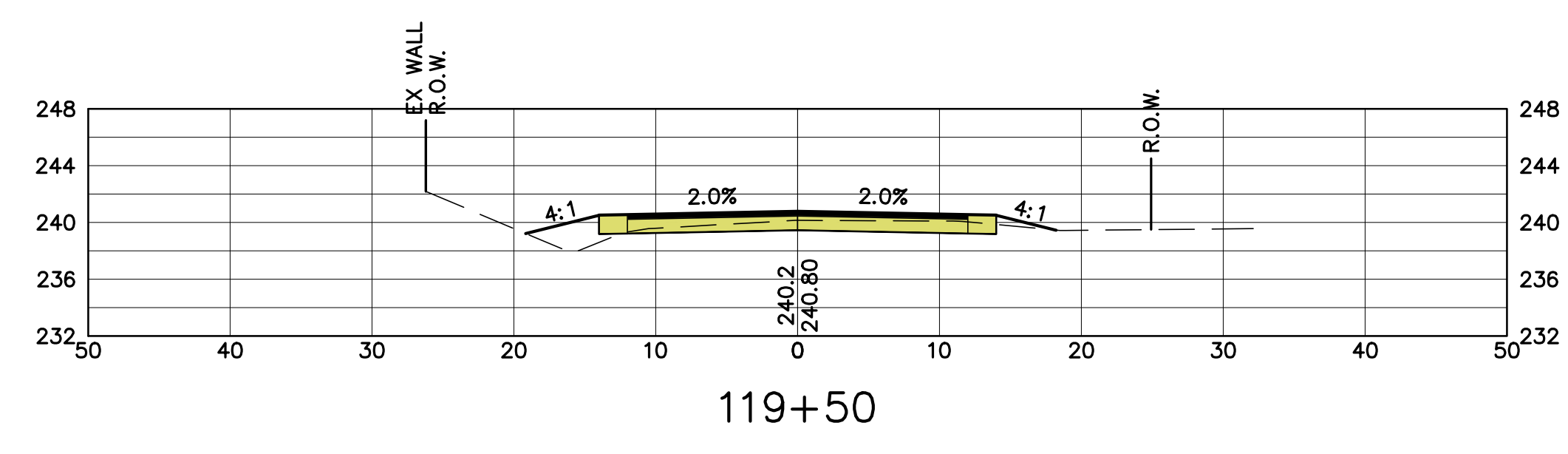
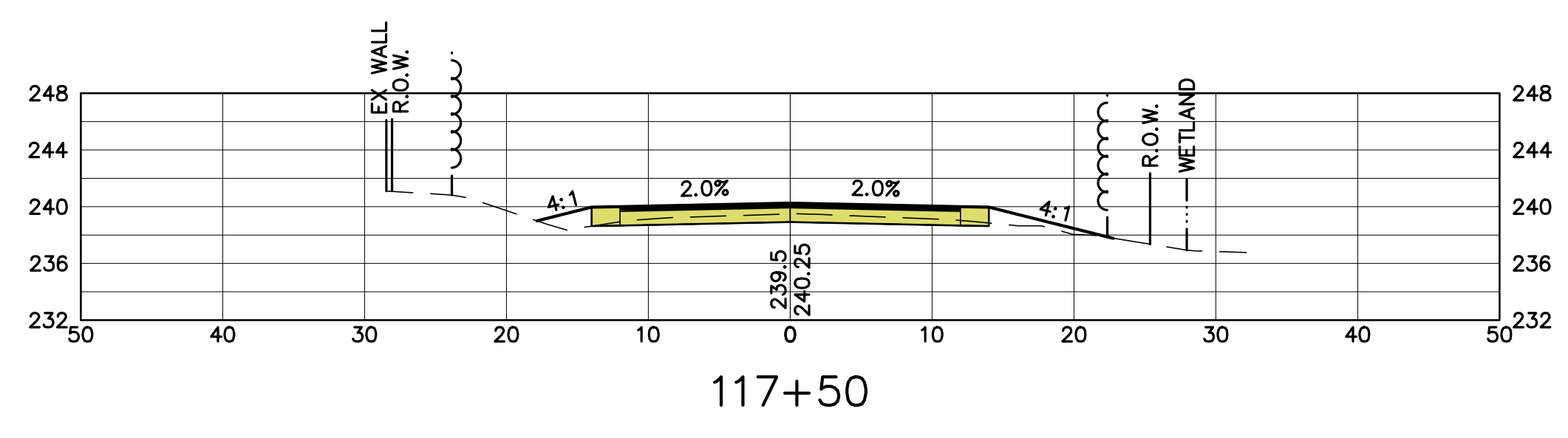
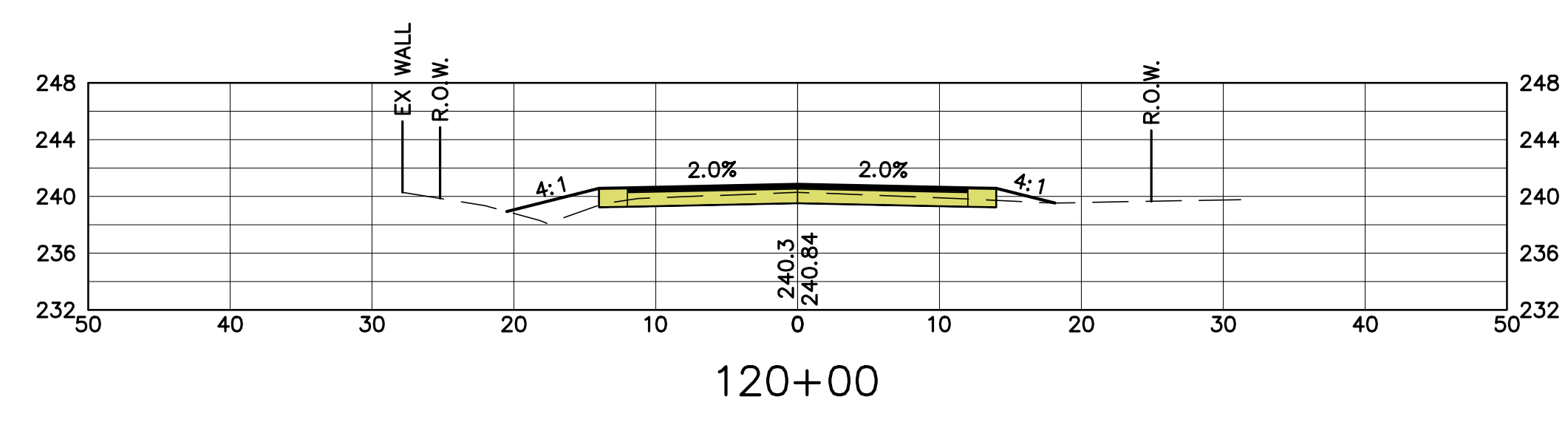
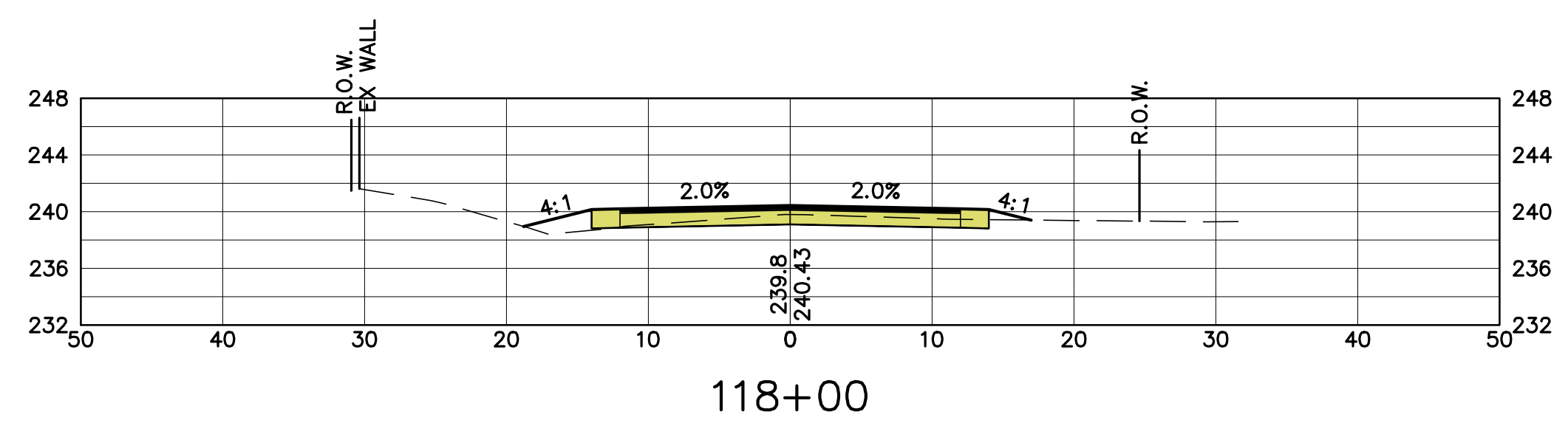
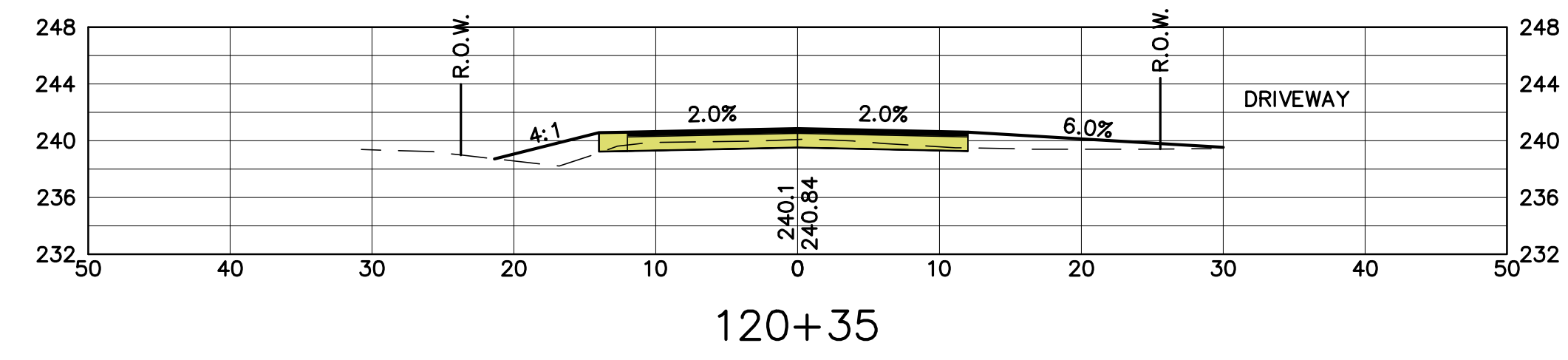
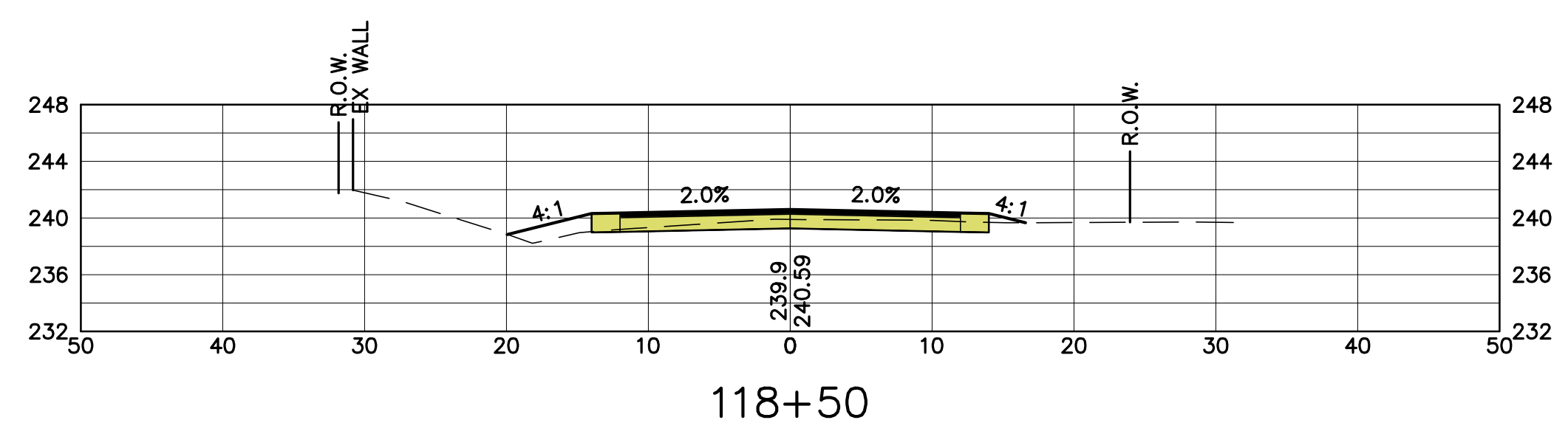
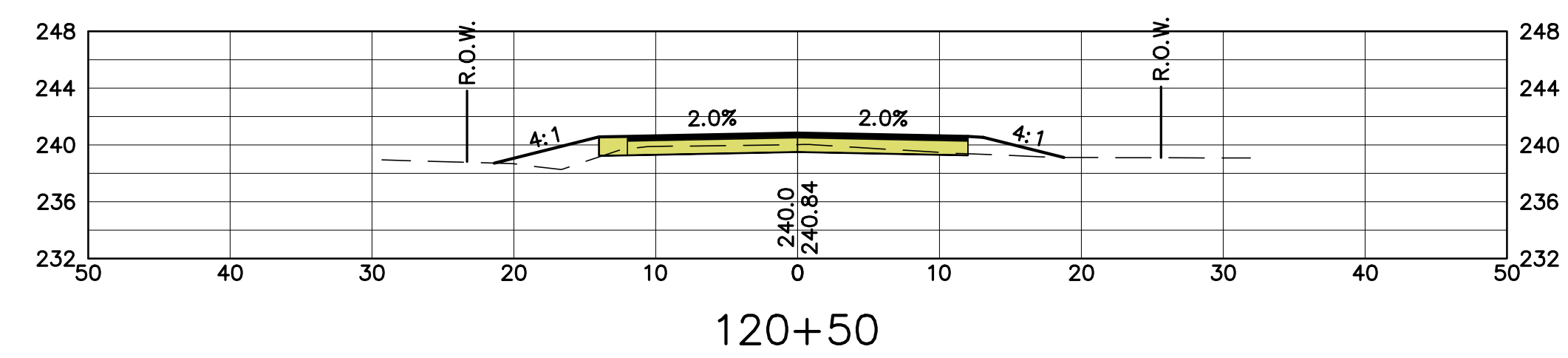
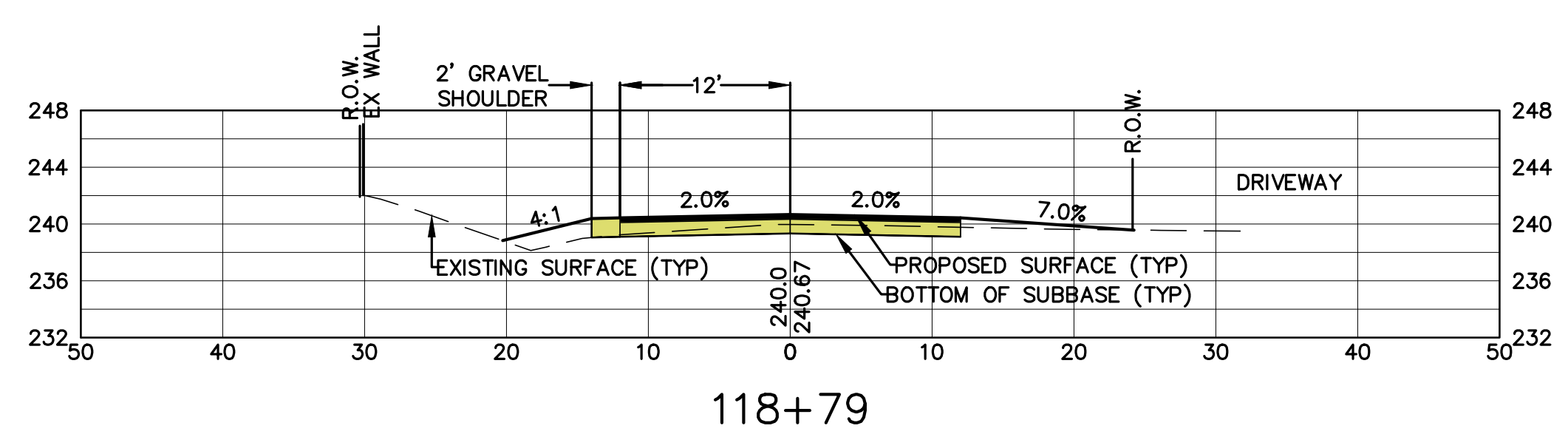
PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE

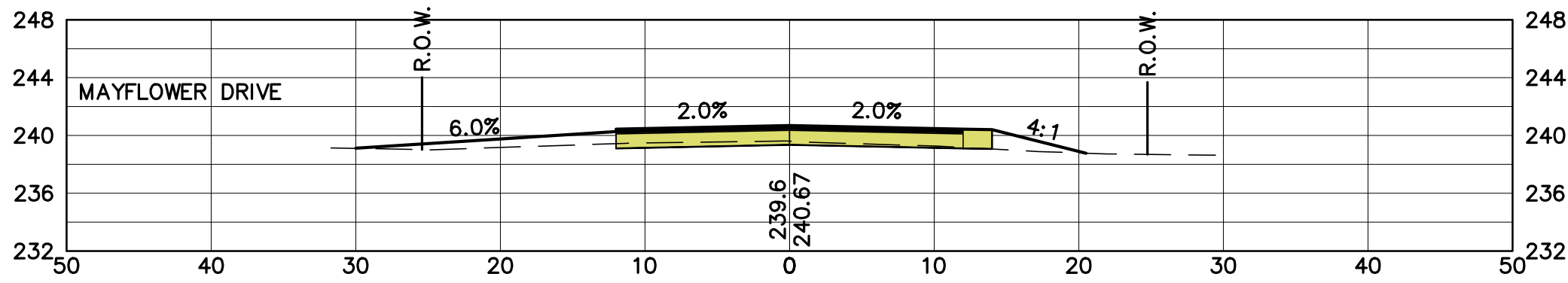
SHEET: 23 OF 41	SCALE: AS SHOWN
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DATE: FEBRUARY 3, 2017	PROJ. 12.5-2017
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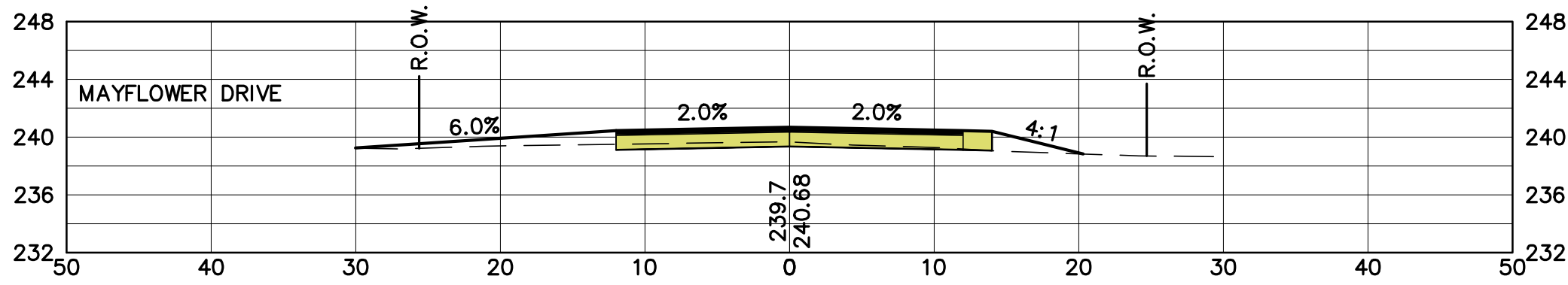
NO	DATE	REVISION DESCRIPTION
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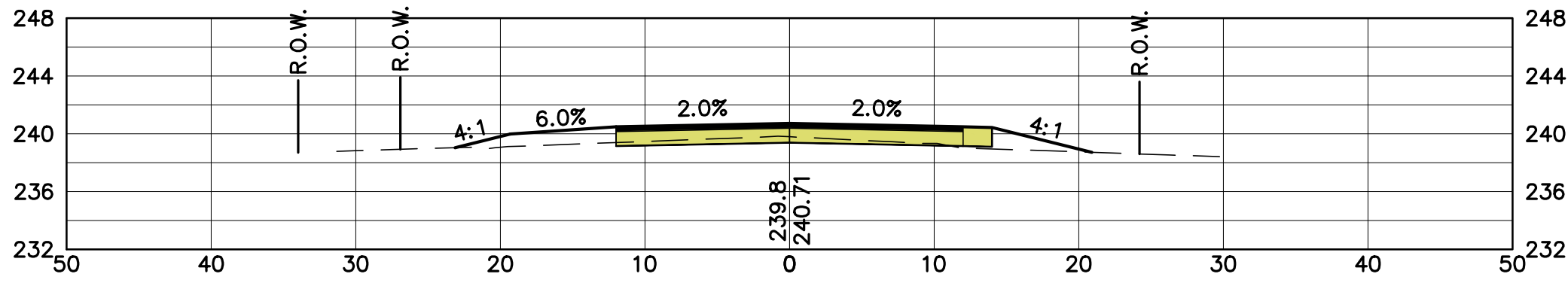
GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION		TOWN OF BEDFORD		GAULT ROAD CROSS SECTIONS 117+17 TO 120+50	
BEDFORD, NEW HAMPSHIRE		24 NORTH AMHERST ROAD		BEDFORD, NEW HAMPSHIRE 03110	
SHEET: 24		OF 41		SCALE: AS SHOWN	
DATE: FEBRUARY 3, 2017		PROJ. 12.5-2017		NO. DATE	
REVISION		DESCRIPTION			



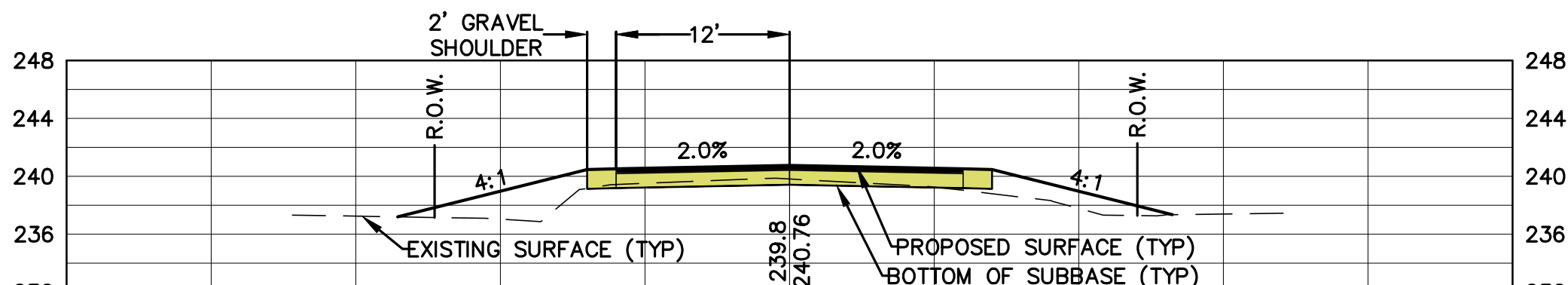
122+50



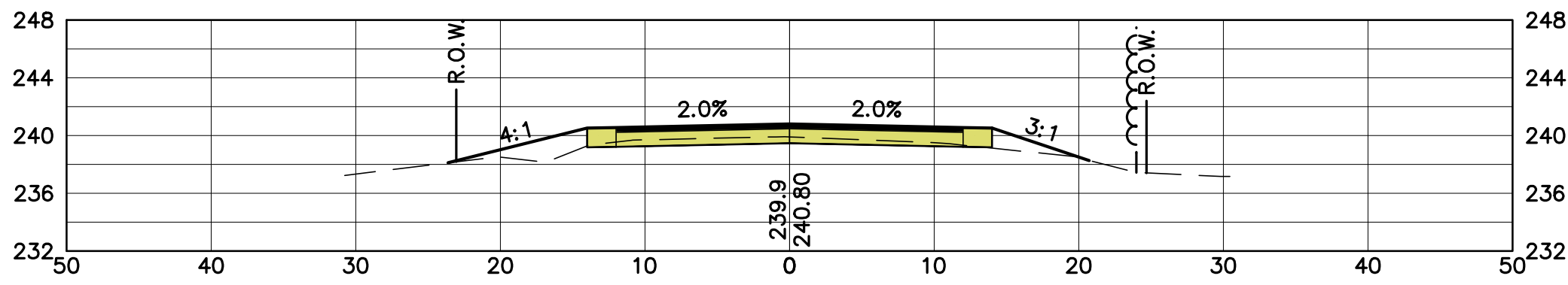
122+38



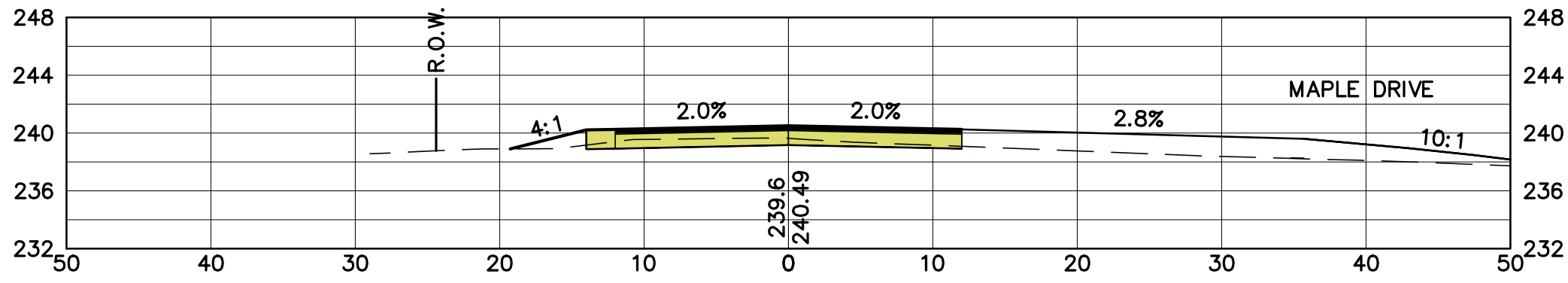
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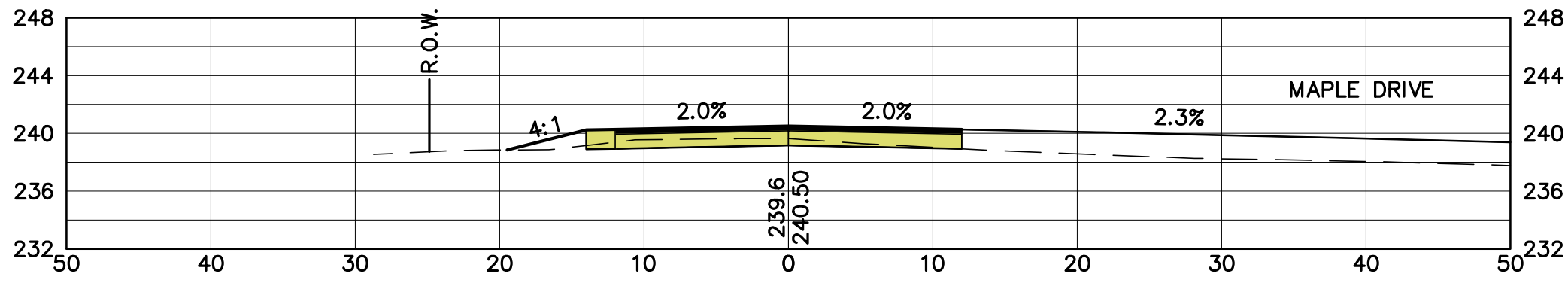
121+50



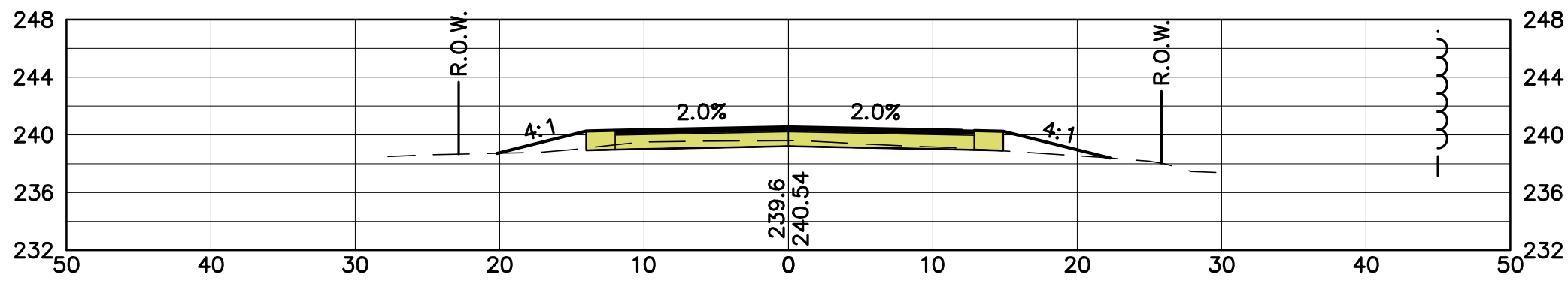
121+00



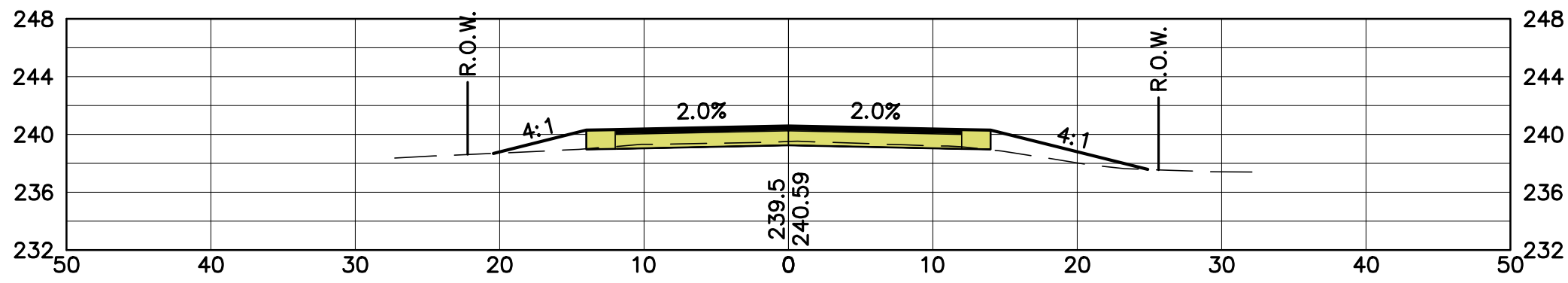
124+60



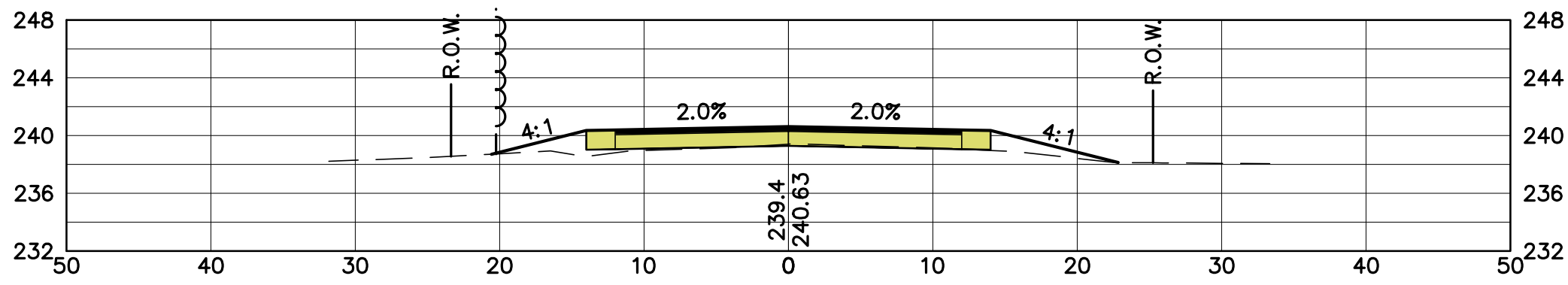
124+50



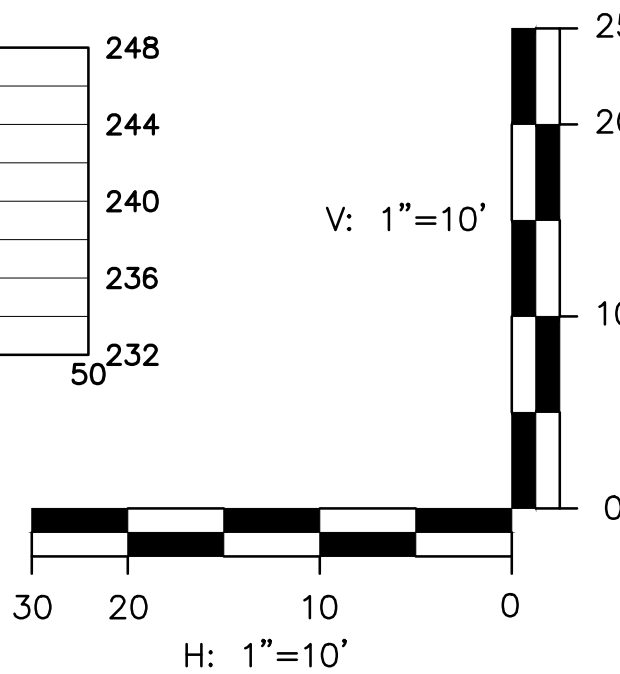
124+00



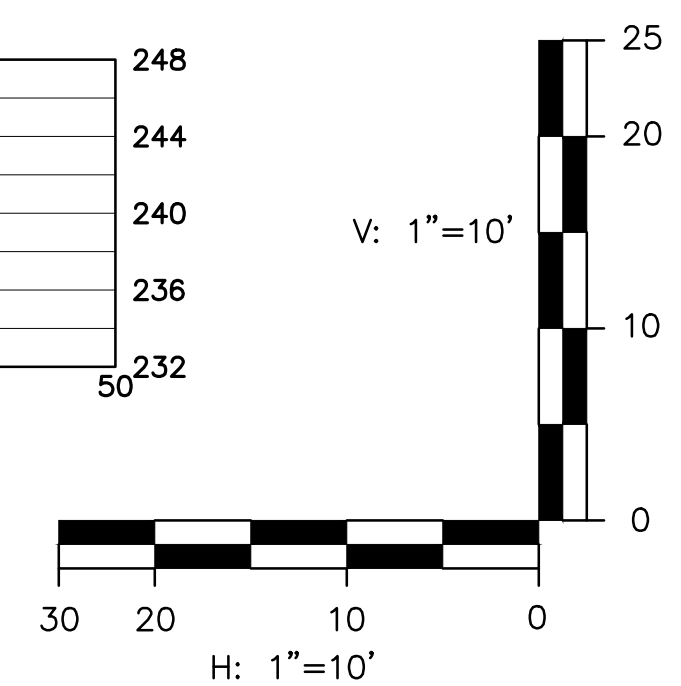
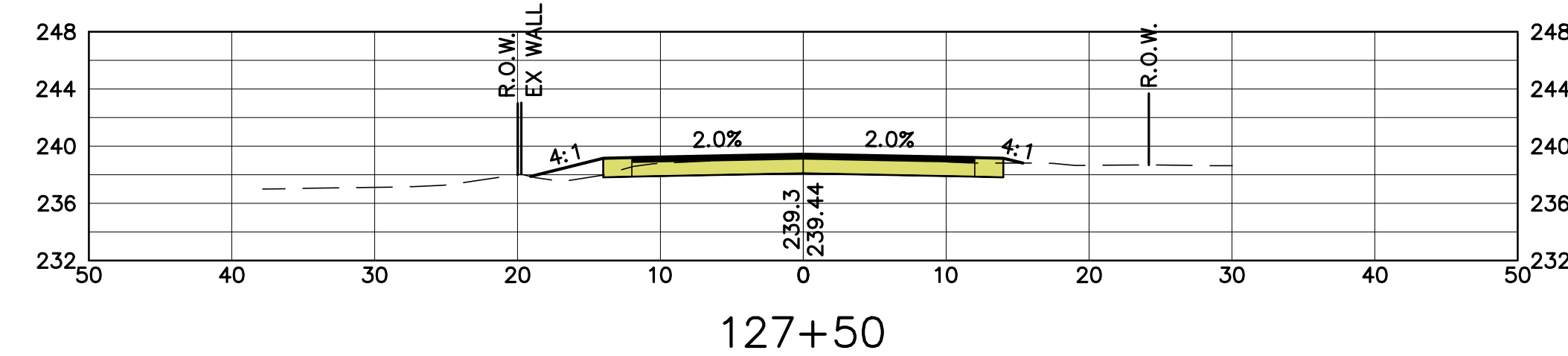
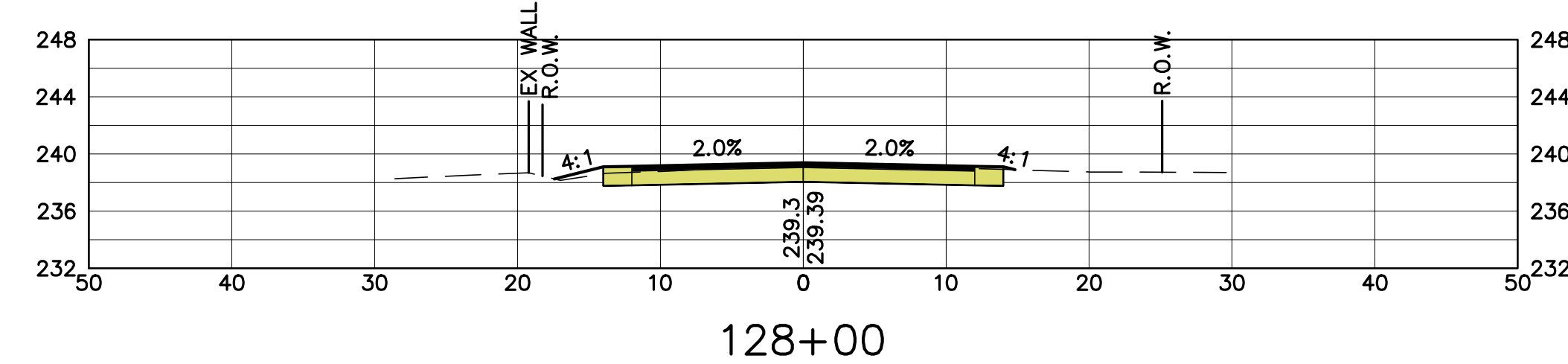
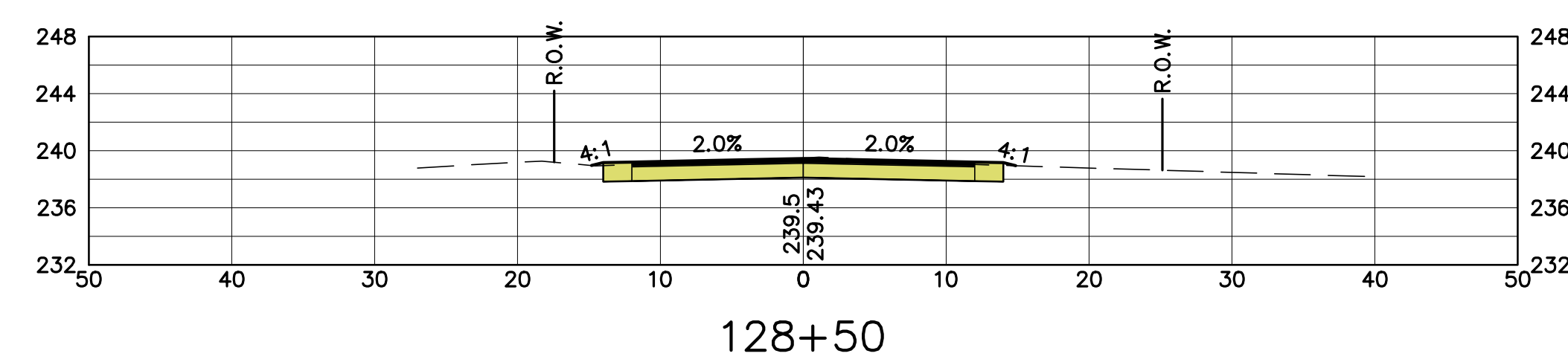
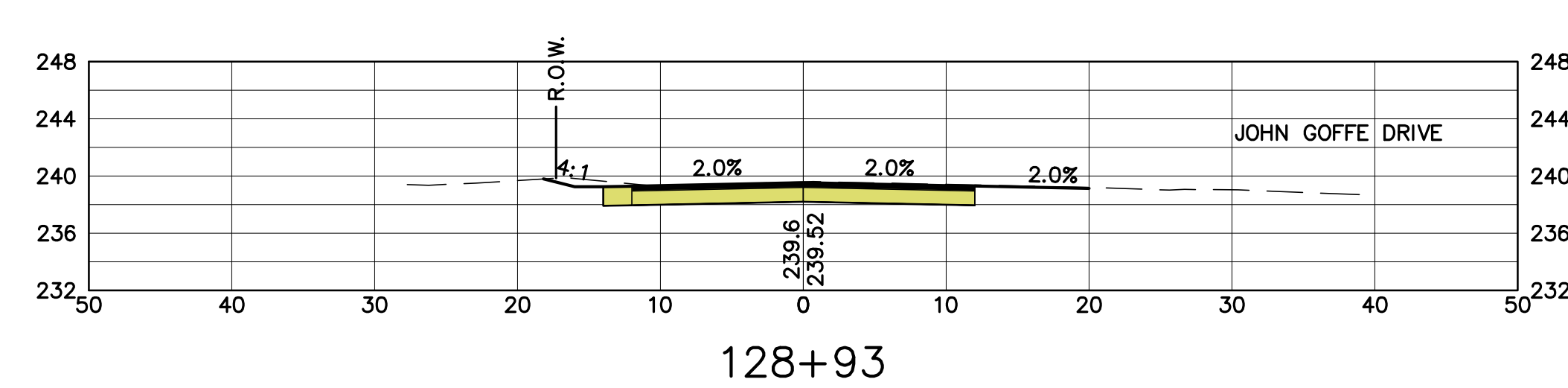
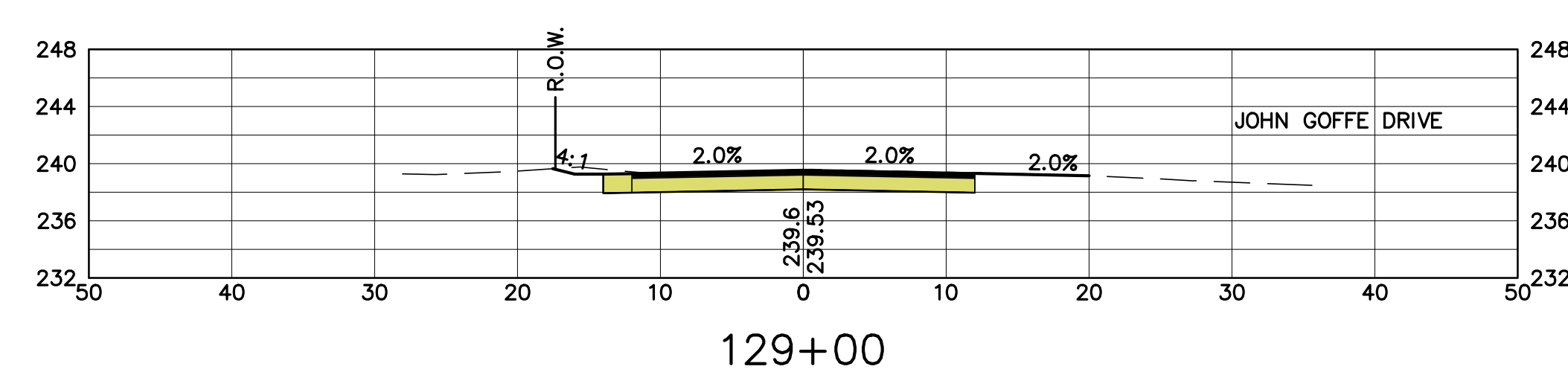
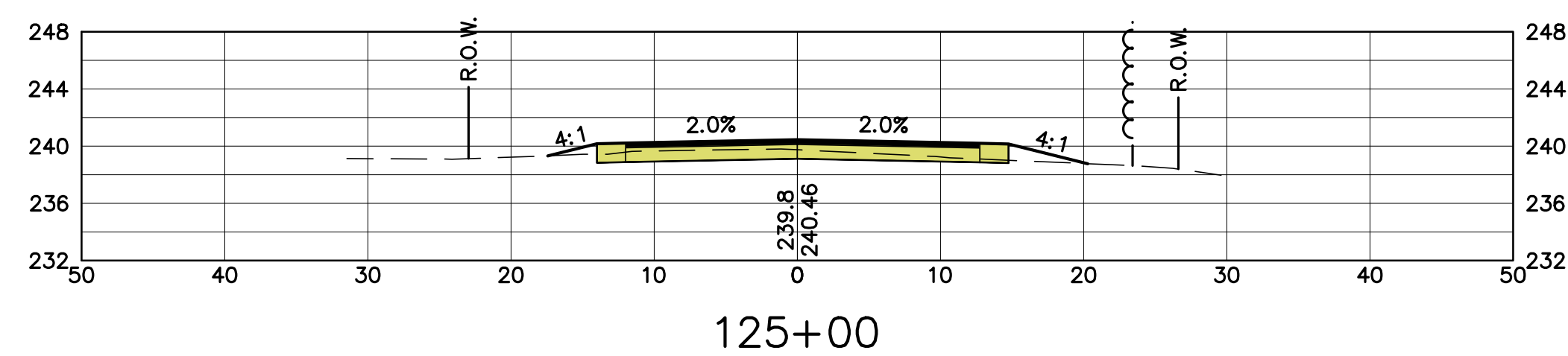
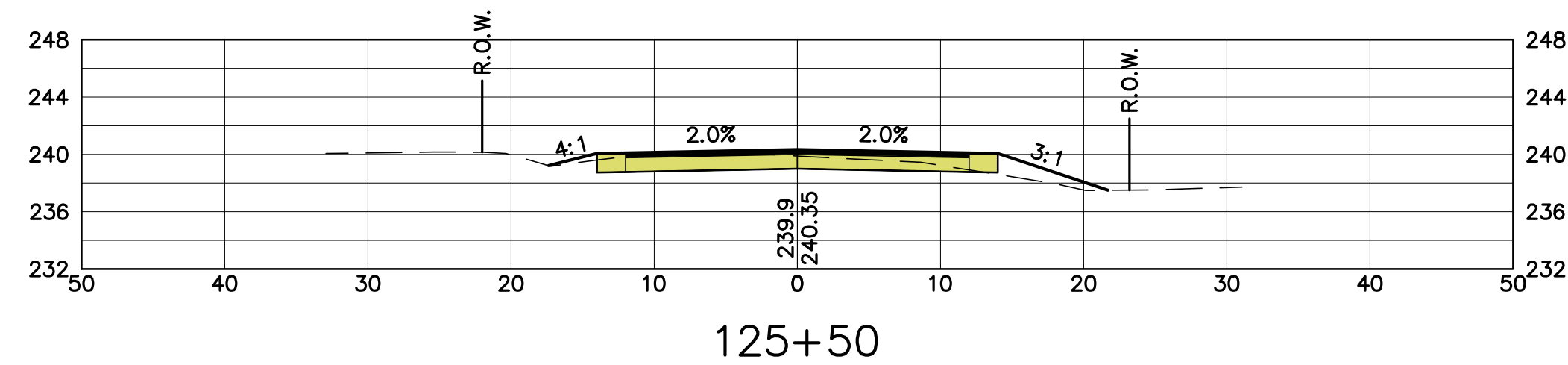
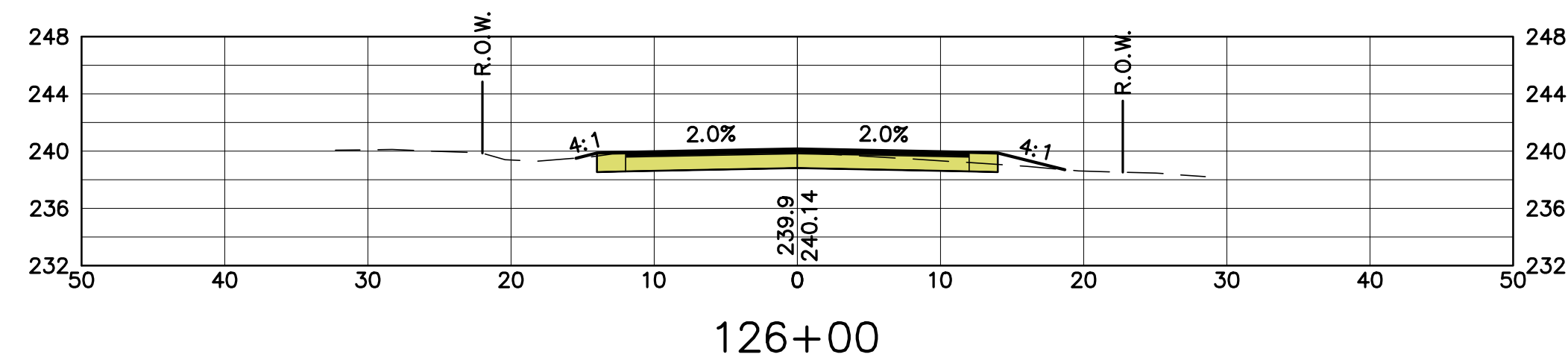
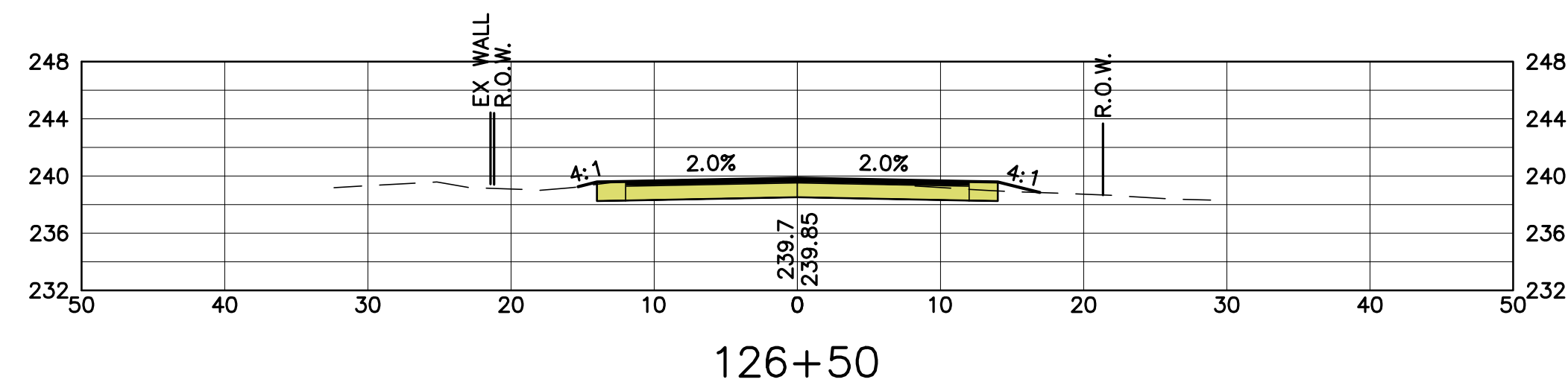
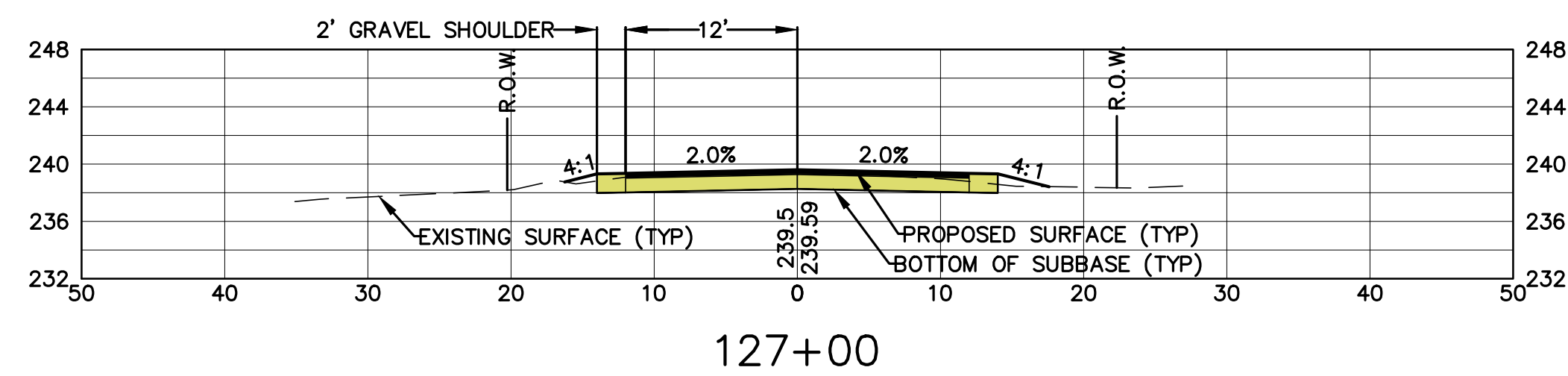
123+50



123+00



GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION		TOWN OF BEDFORD		GAULT ROAD CROSS SECTIONS 121+00 TO 124+60	
BEDFORD, NEW HAMPSHIRE		24 NORTH AMHERST ROAD		BEDFORD, NEW HAMPSHIRE 03110	
SHEET: 25 OF 41		DATE: FEBRUARY 3, 2017		PROJ. 12.5-2017	
SCALE: AS SHOWN		NO.		REVISION DESCRIPTION	

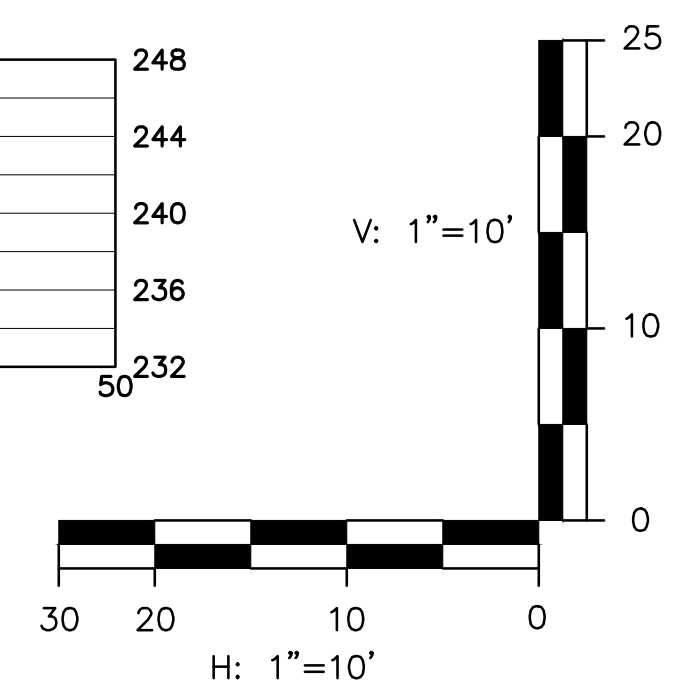
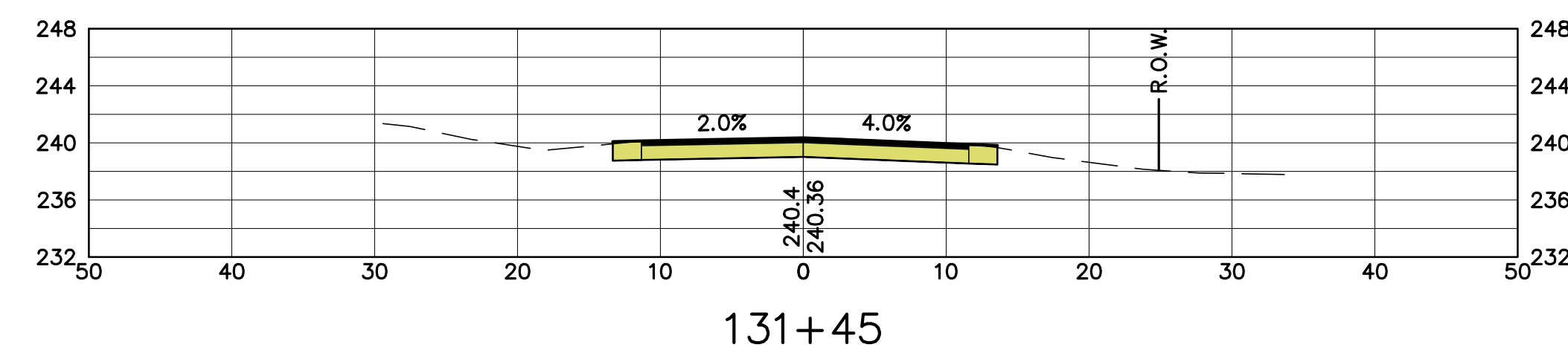
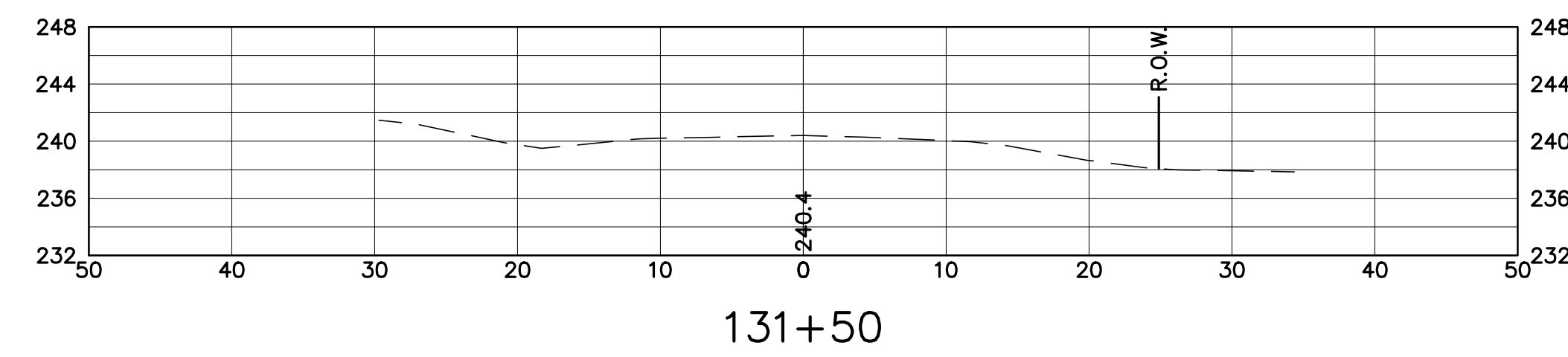
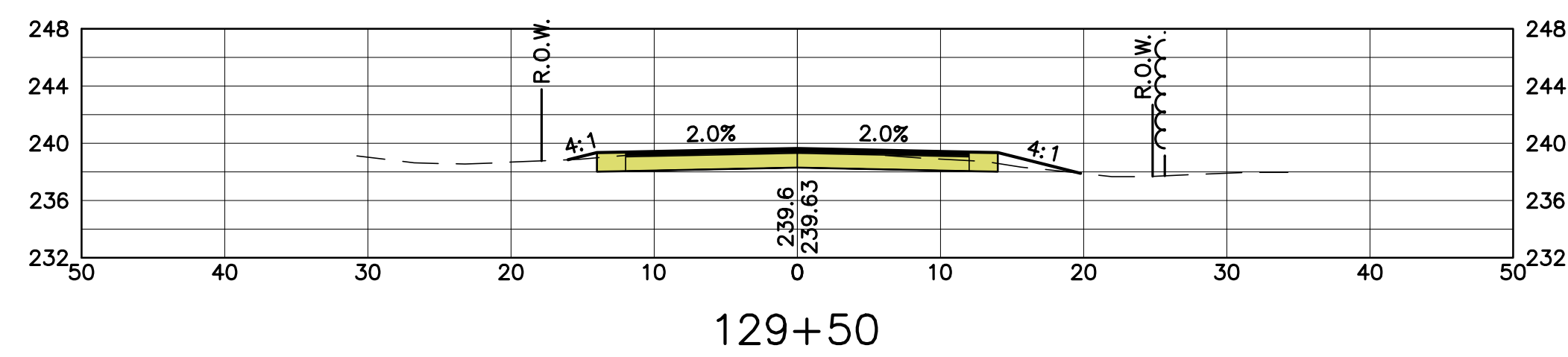
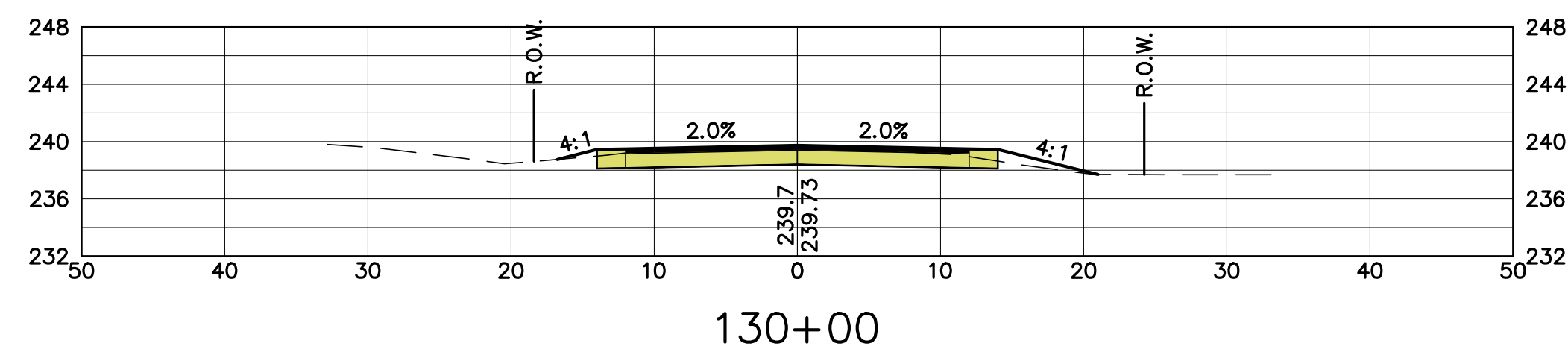
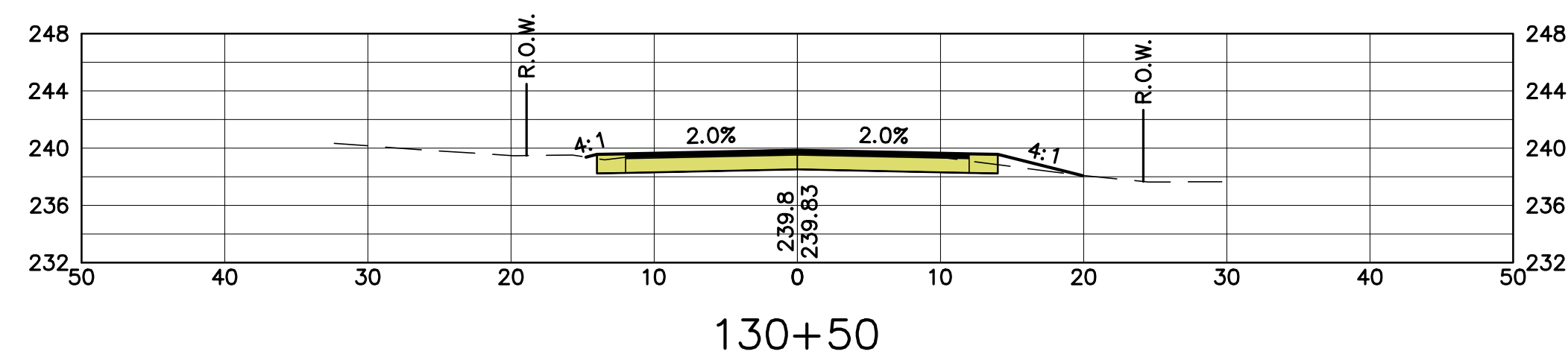
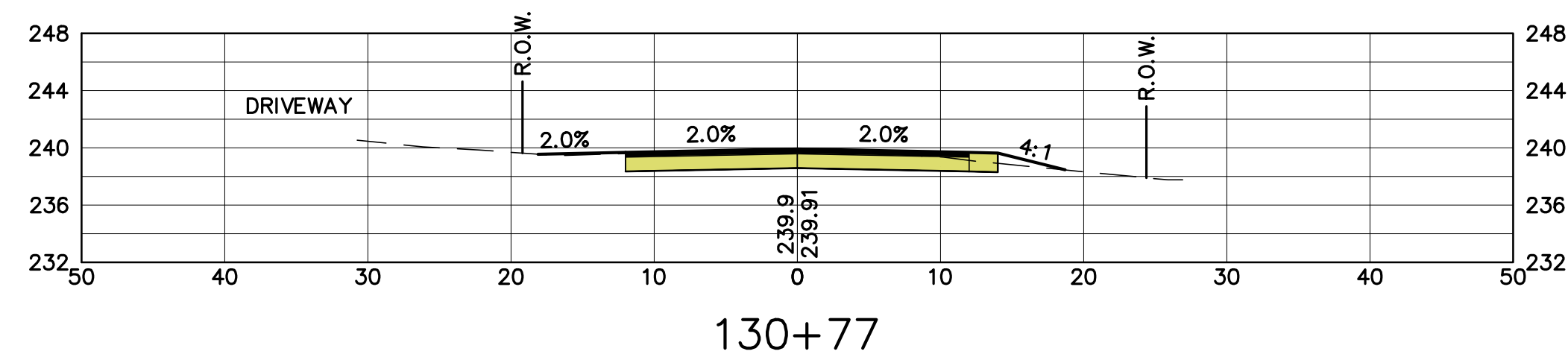
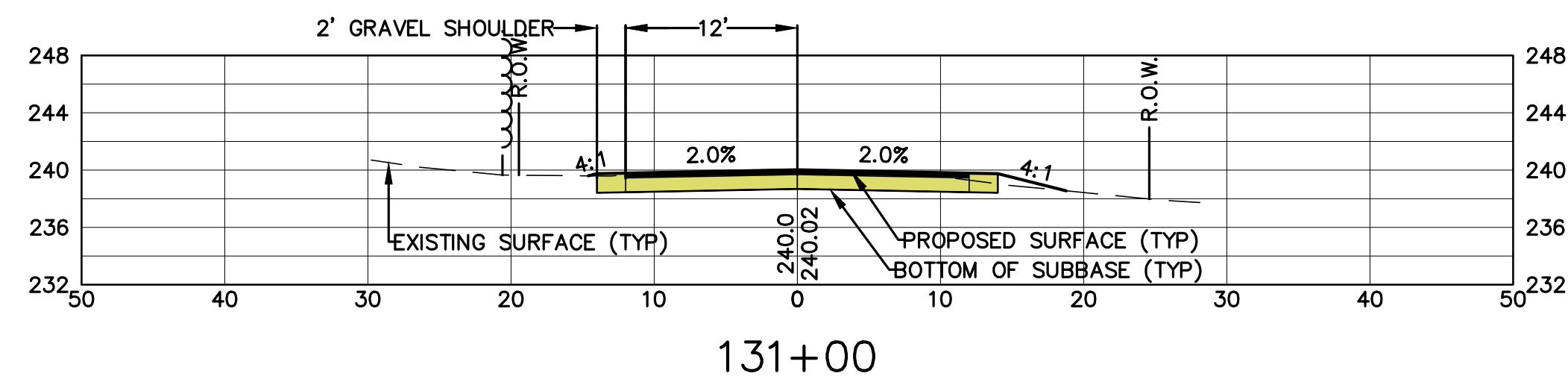
GAULT ROAD
CROSS SECTIONS
125+00 TO 129+00

PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE

SHEET: 26 OF 41	SCALE: AS SHOWN
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DATE: FEBRUARY 3, 2017	PROJ. 12.5-2017
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GAULT ROAD
CROSS SECTIONS
129+50 TO 131+50

PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

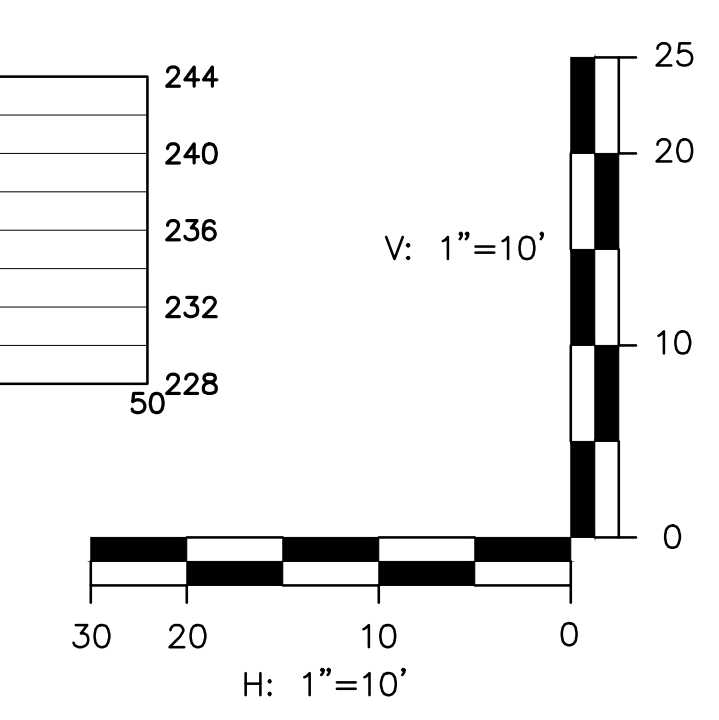
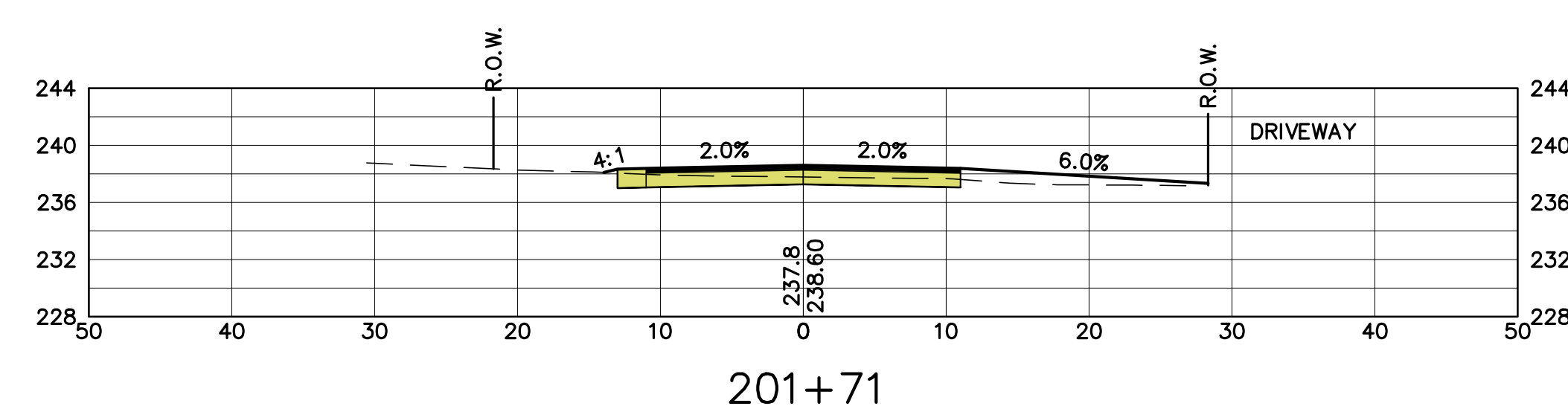
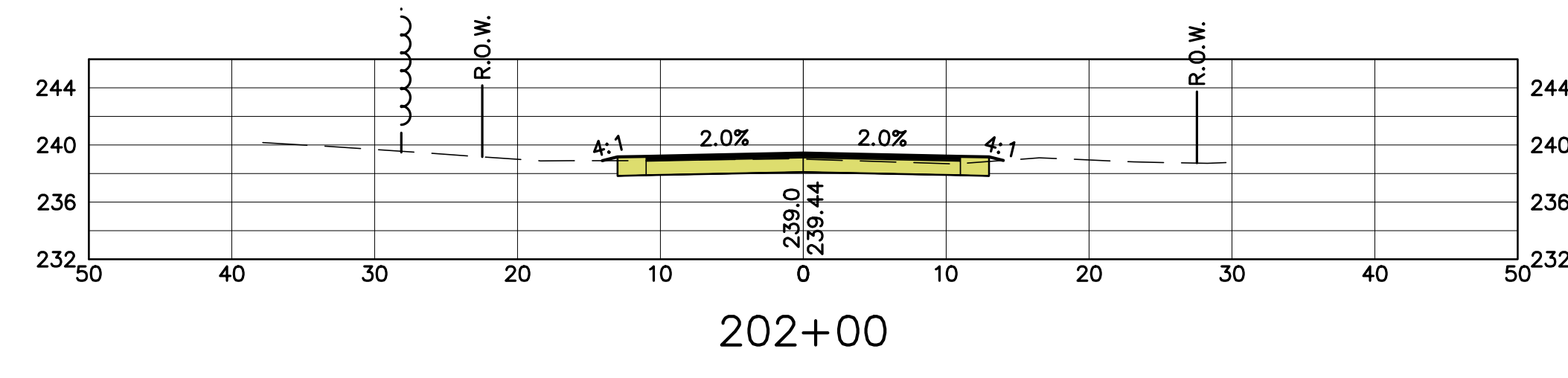
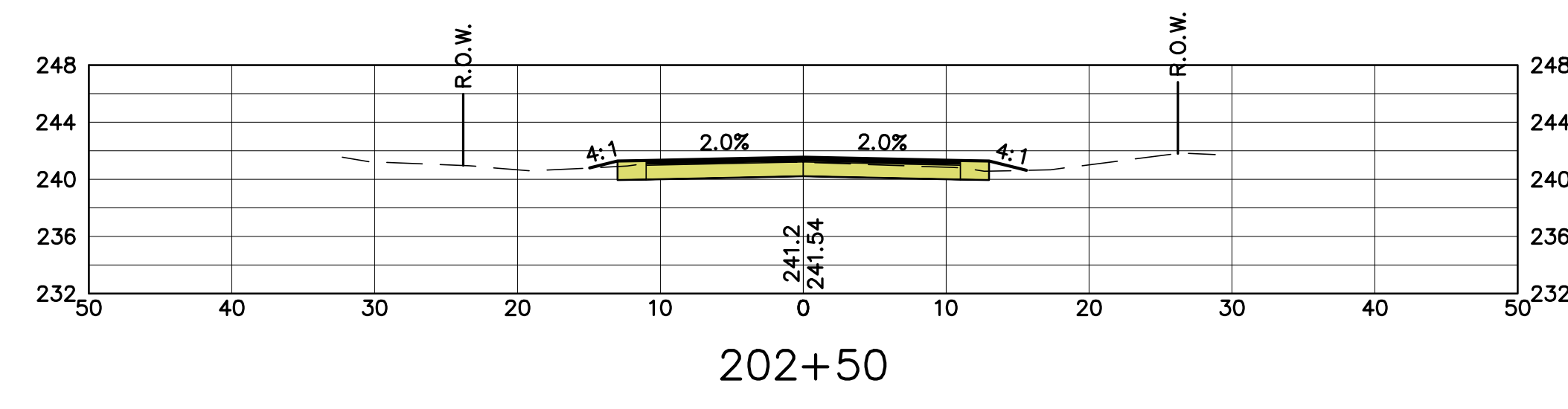
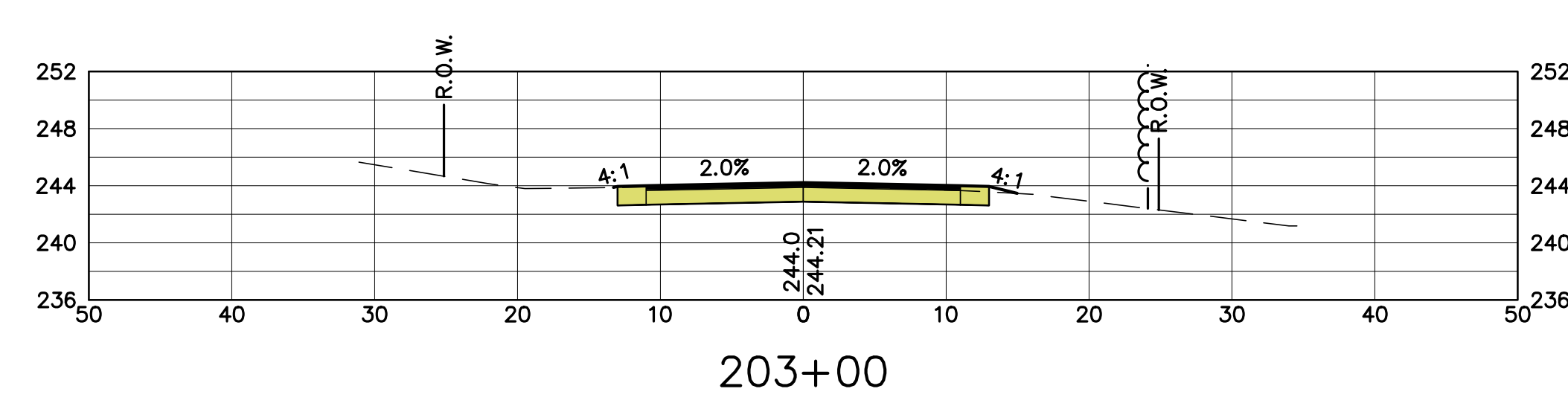
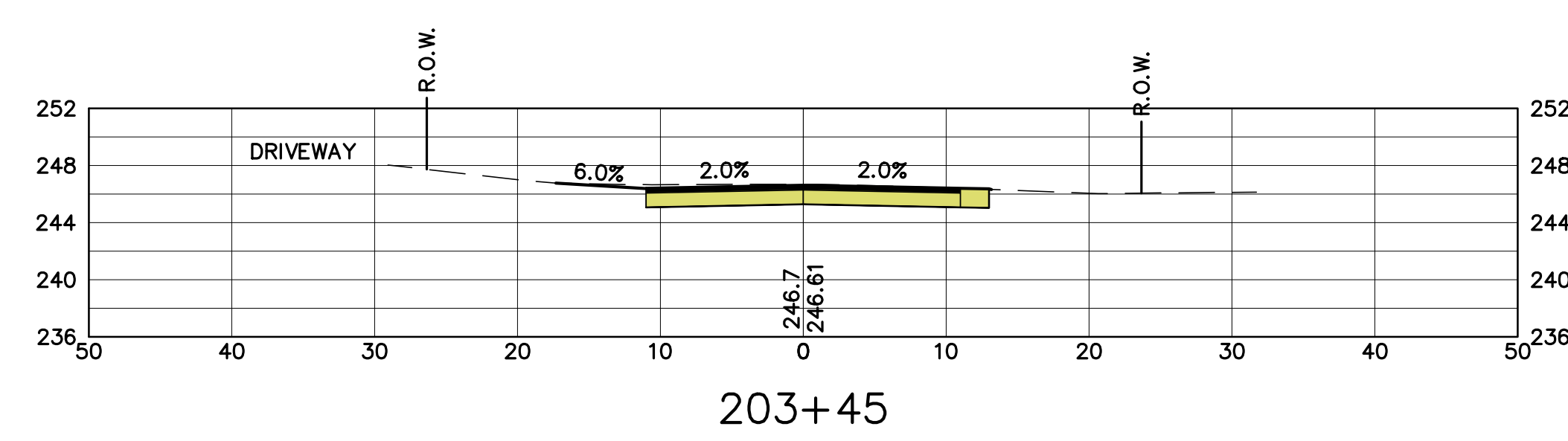
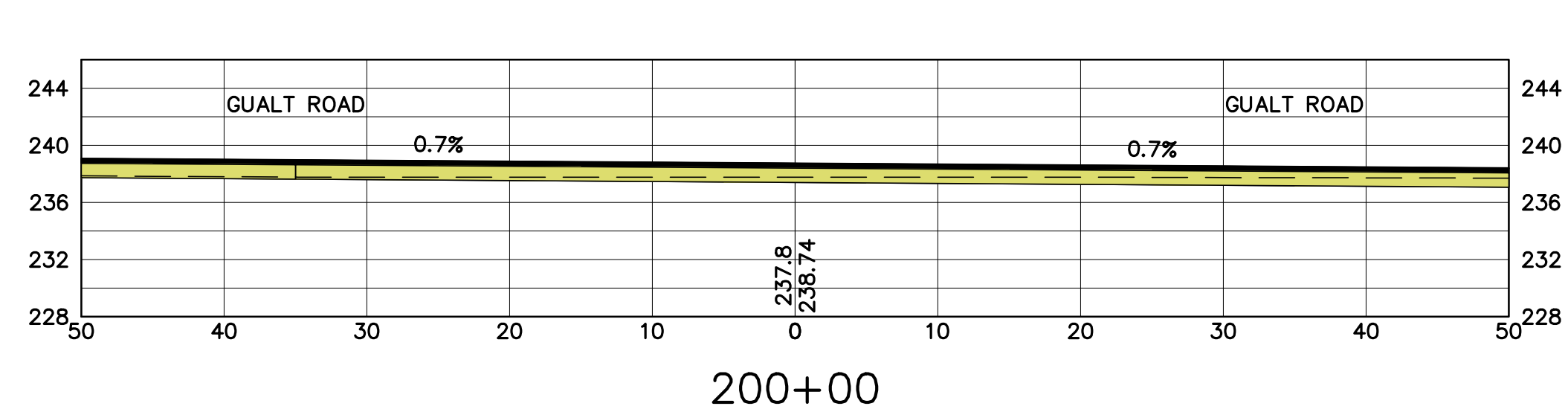
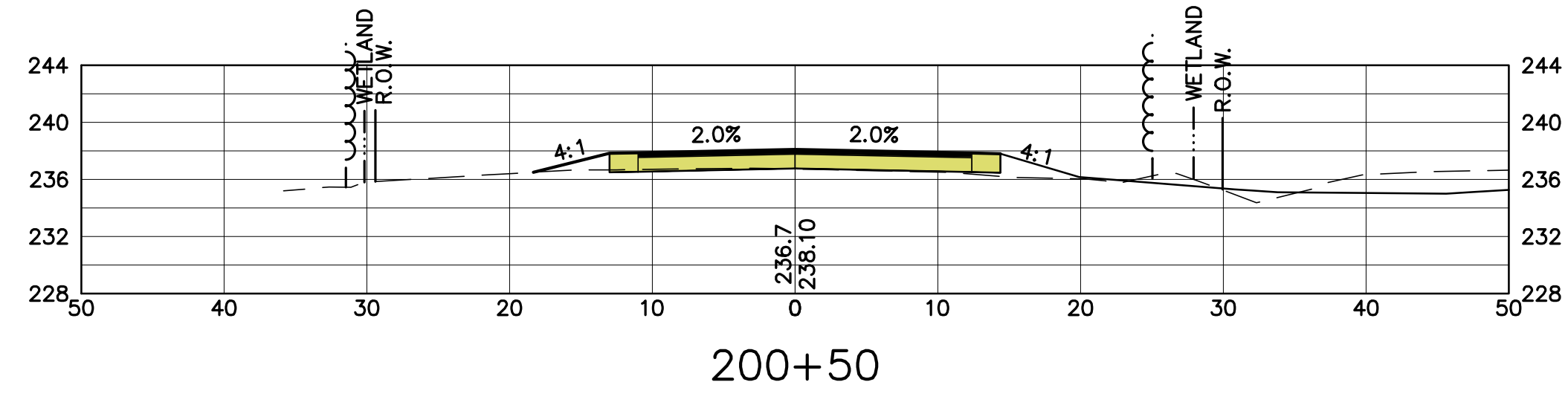
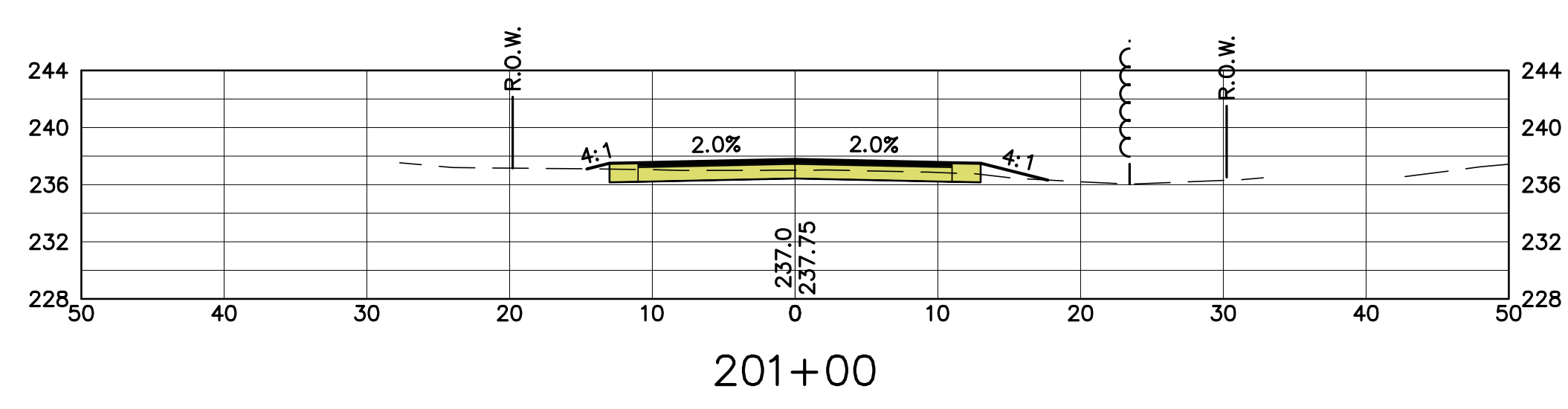
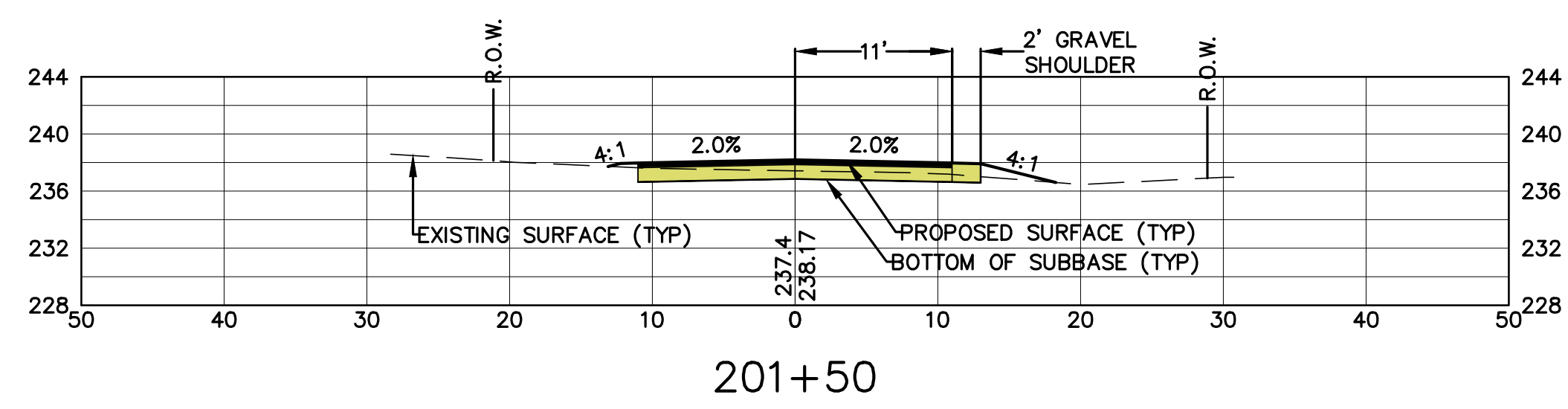
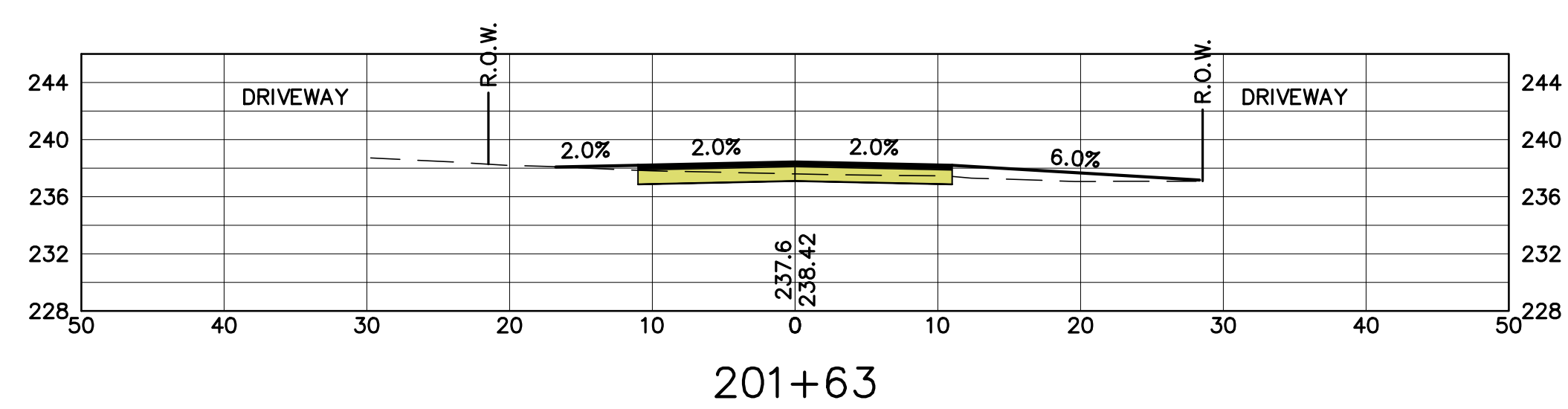
GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE

SHEET: 27 OF 41	SCALE: AS SHOWN
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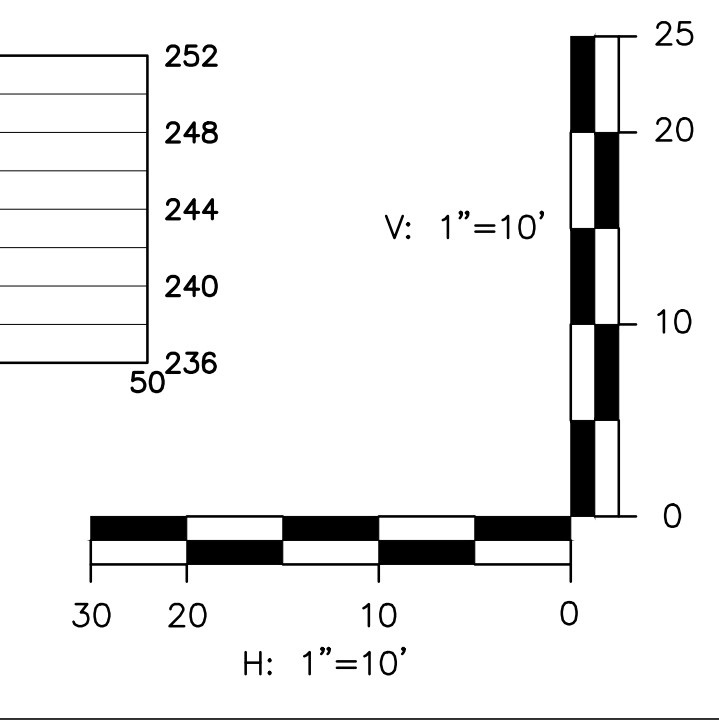
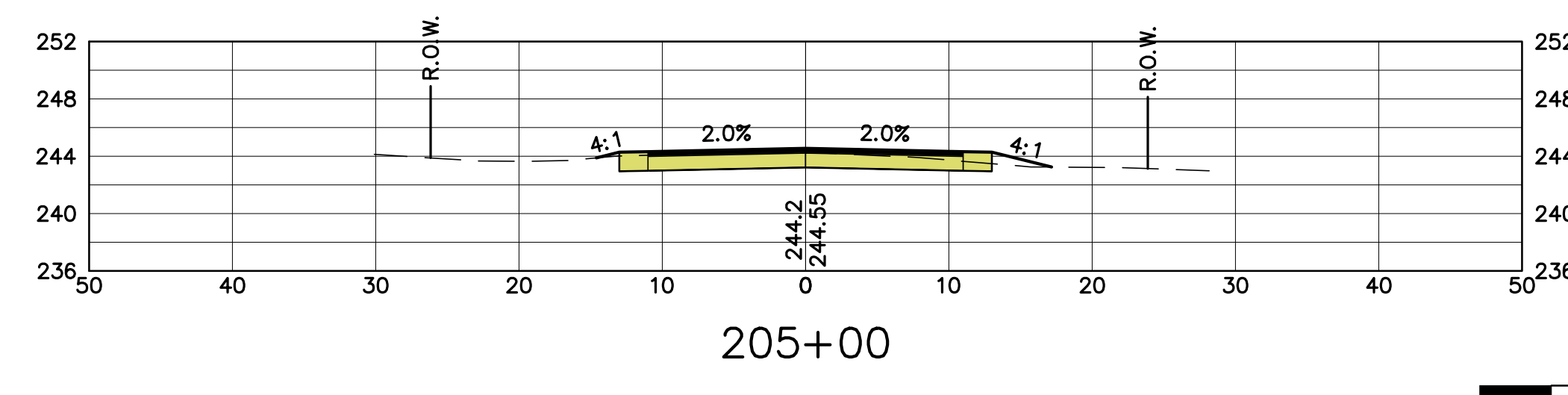
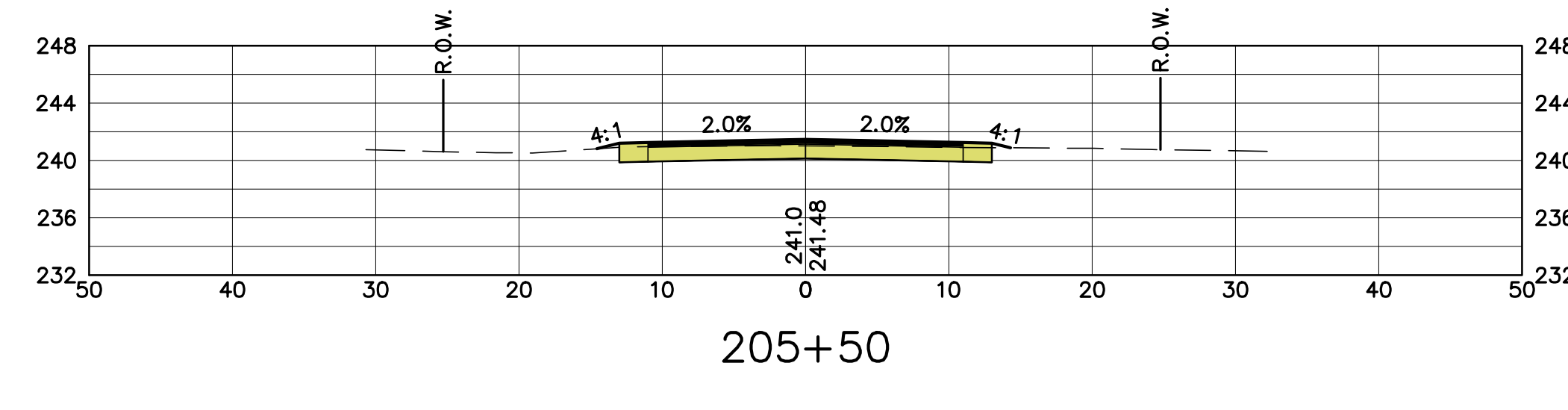
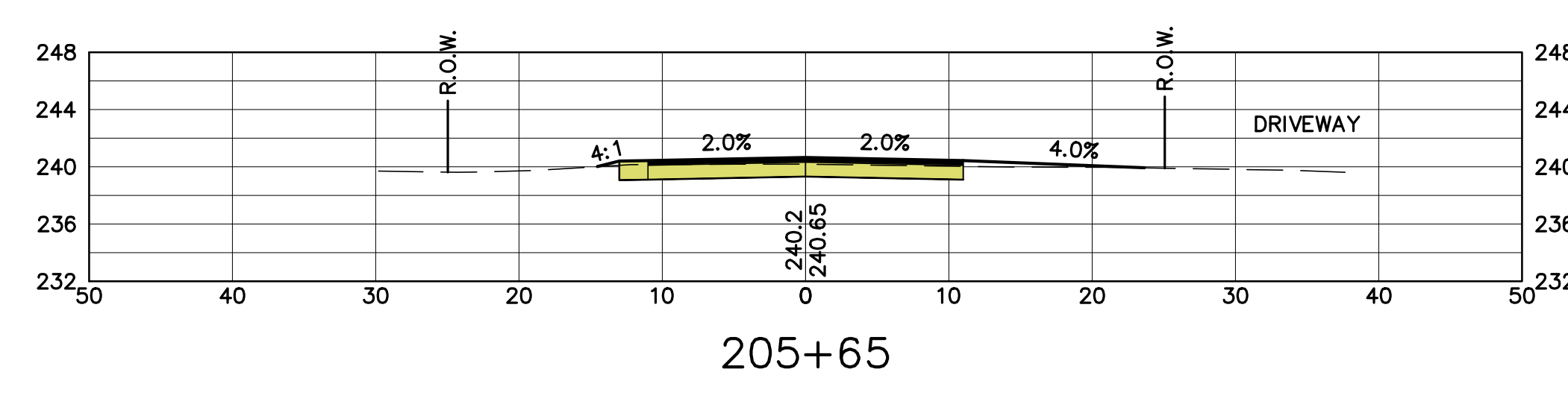
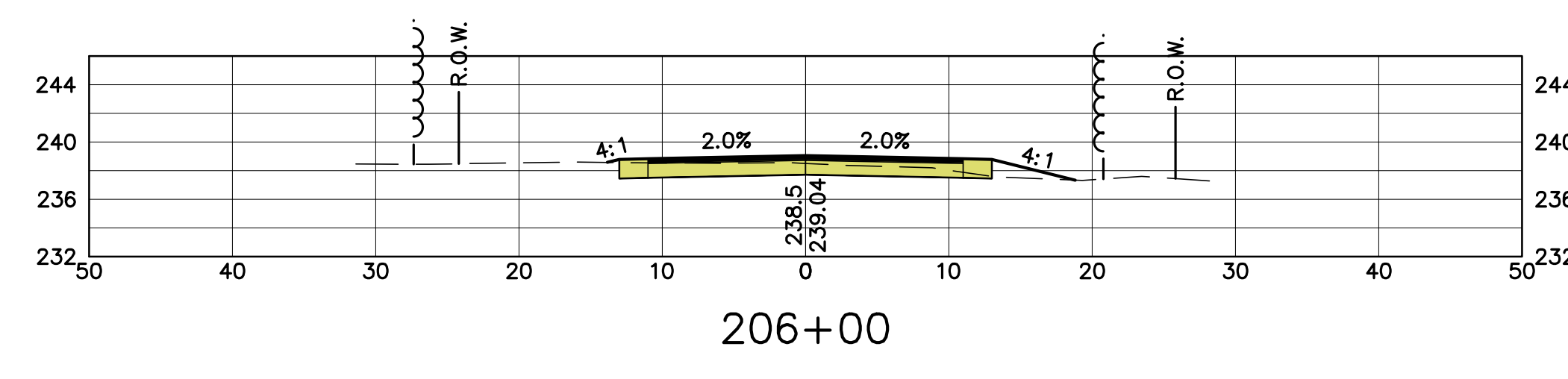
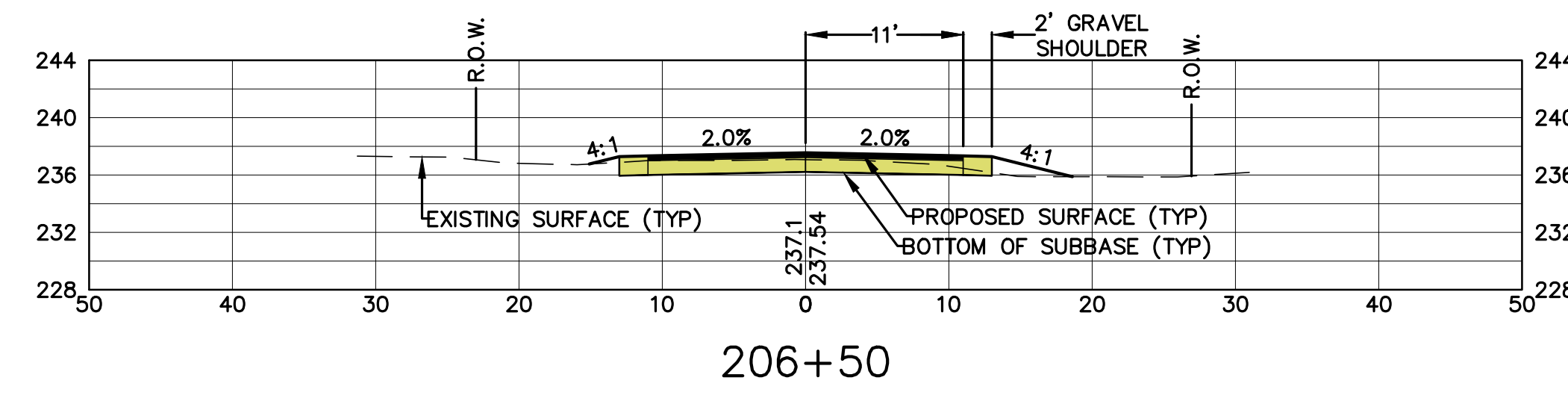
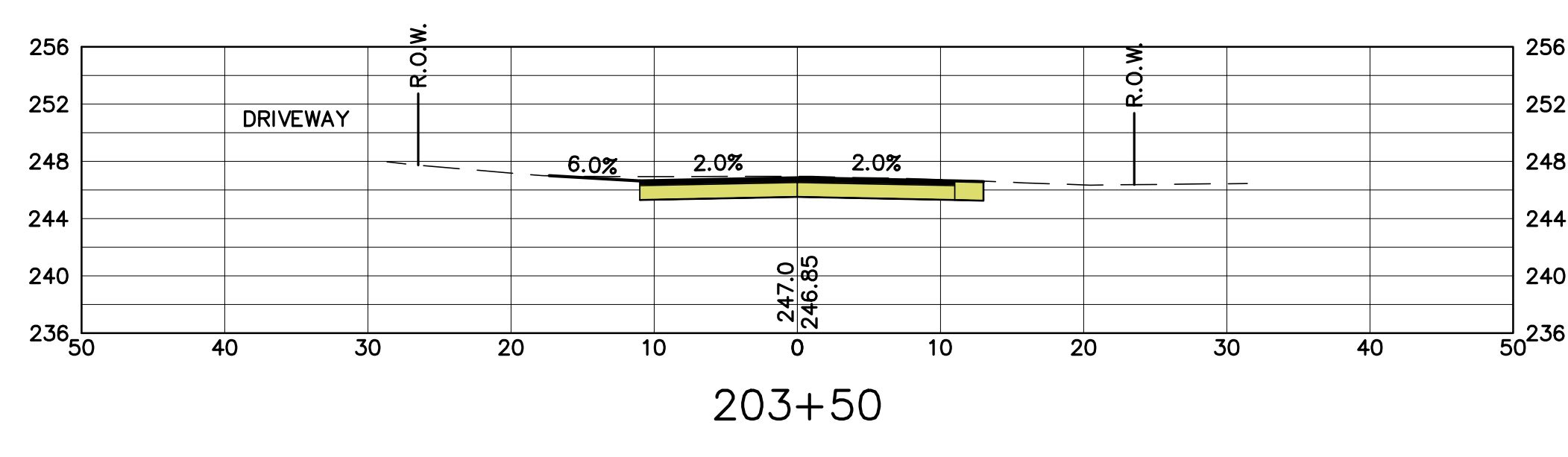
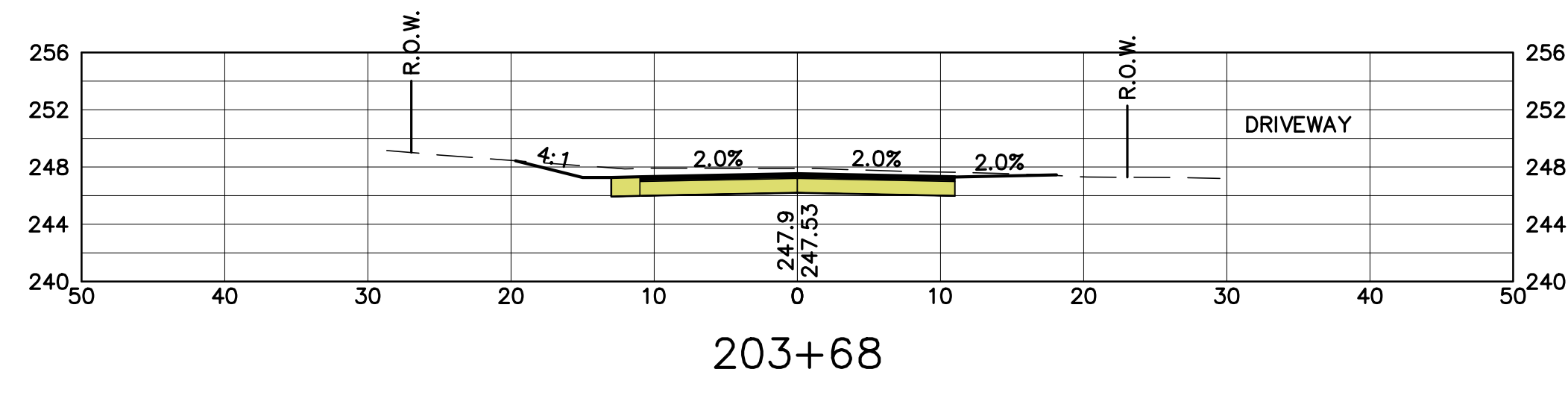
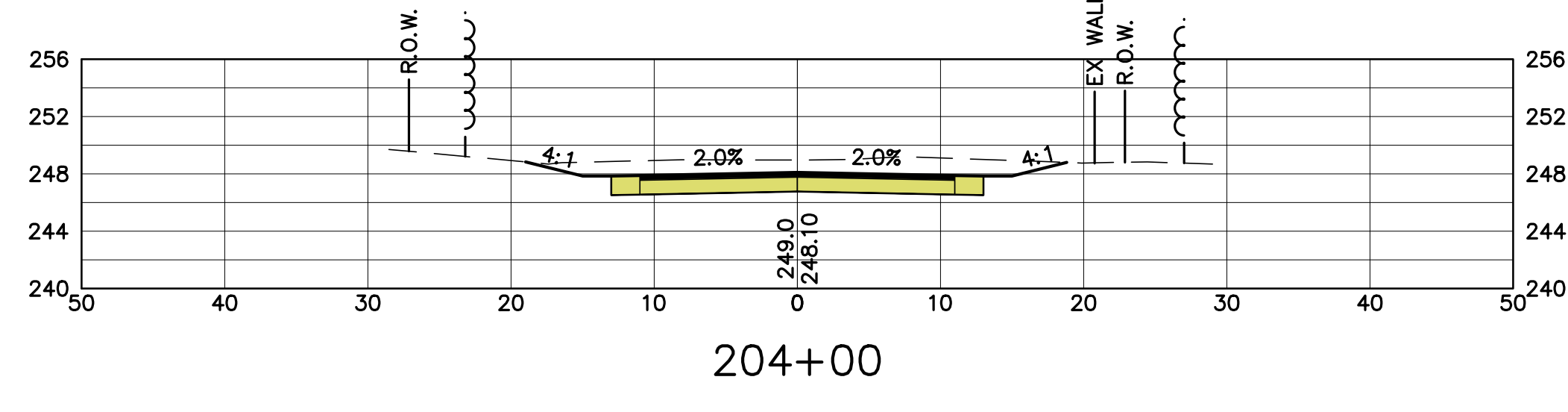
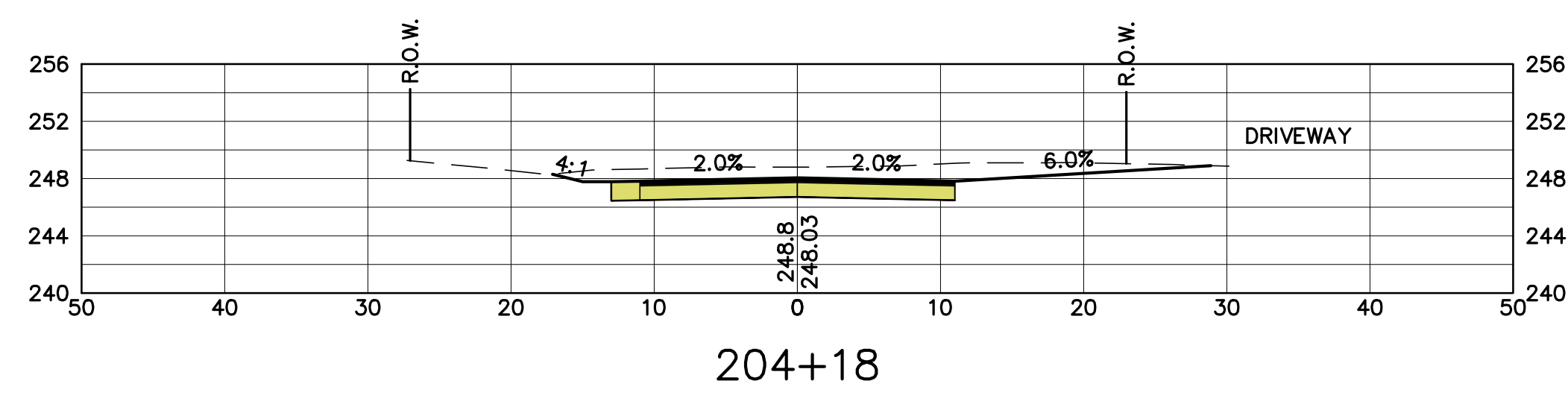
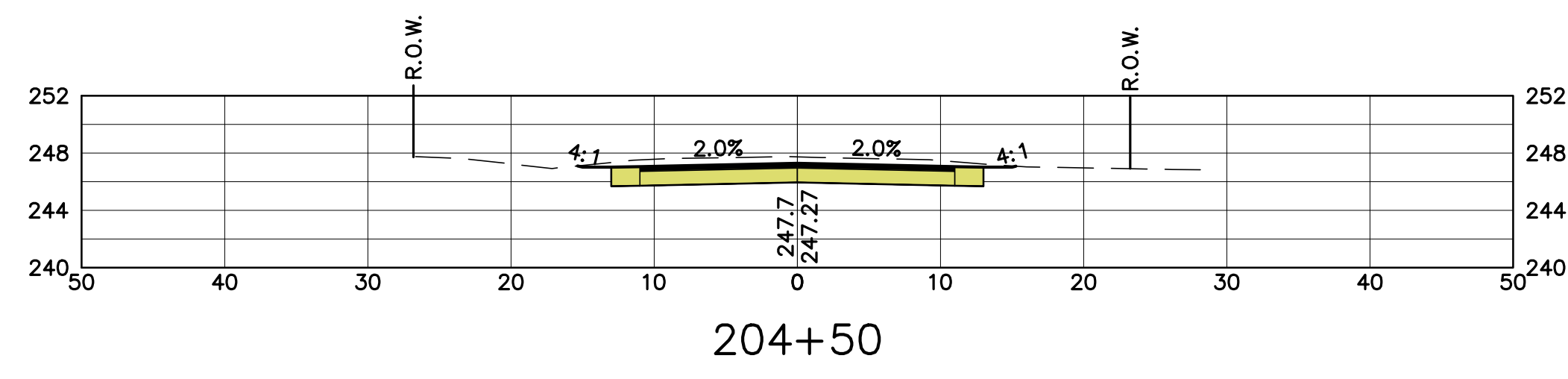
DATE: FEBRUARY 3, 2017

PROJ. 12.5-2017

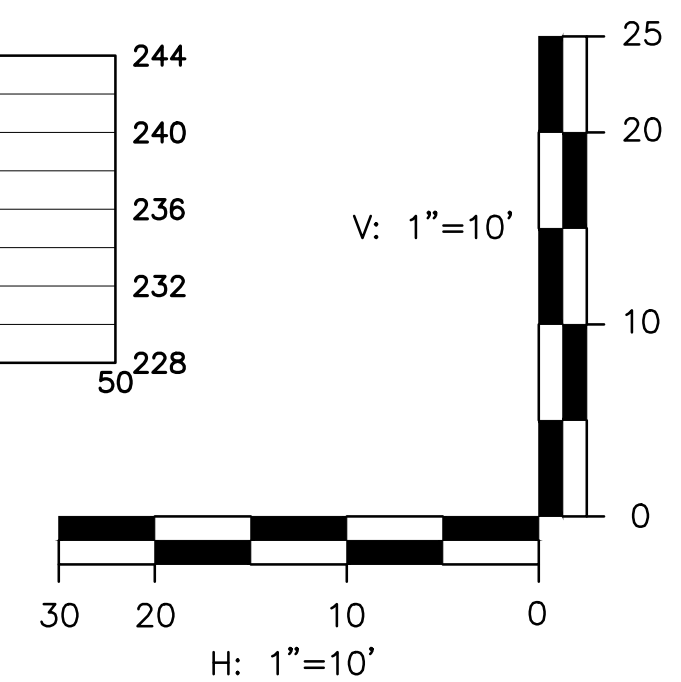
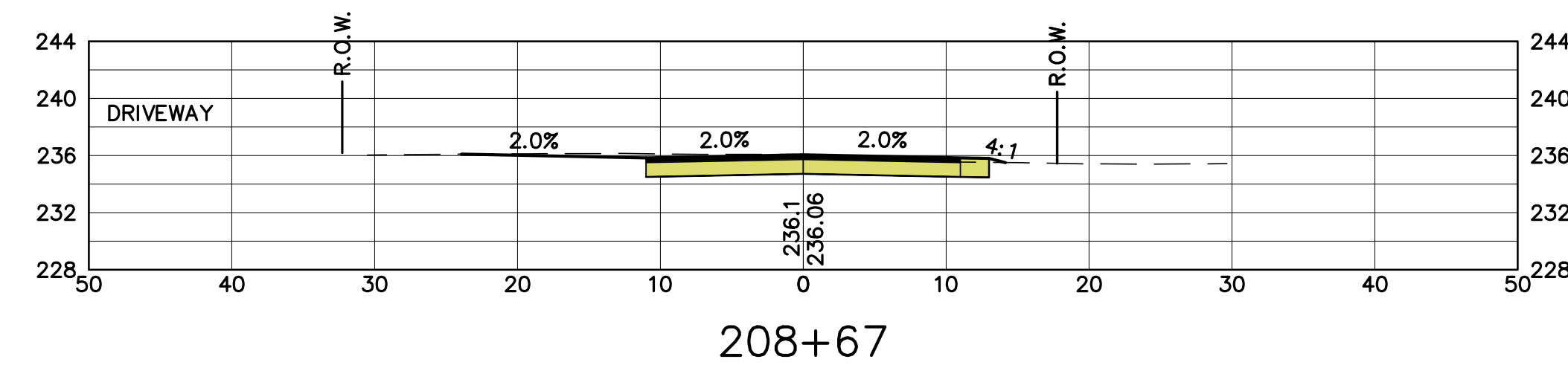
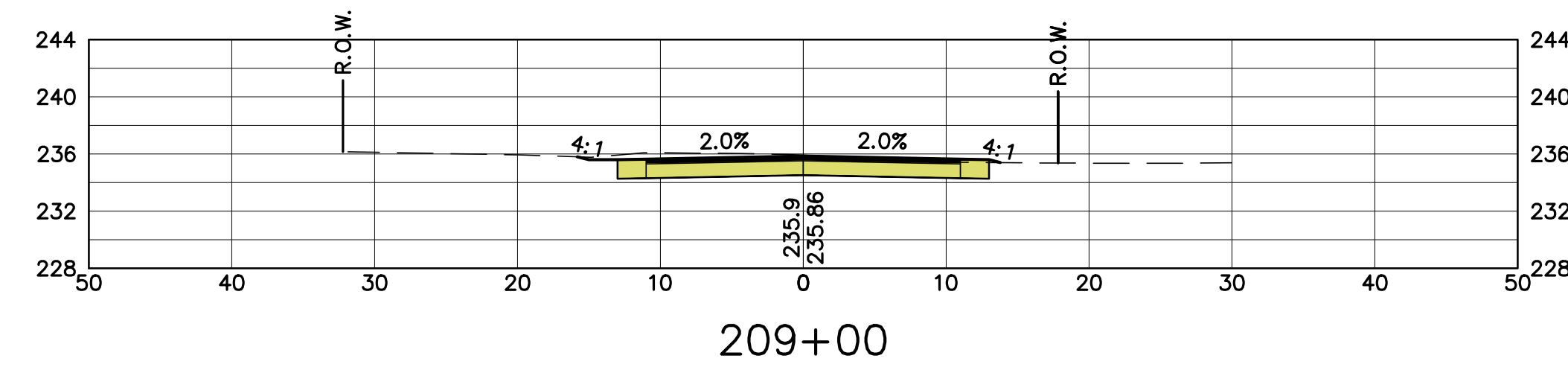
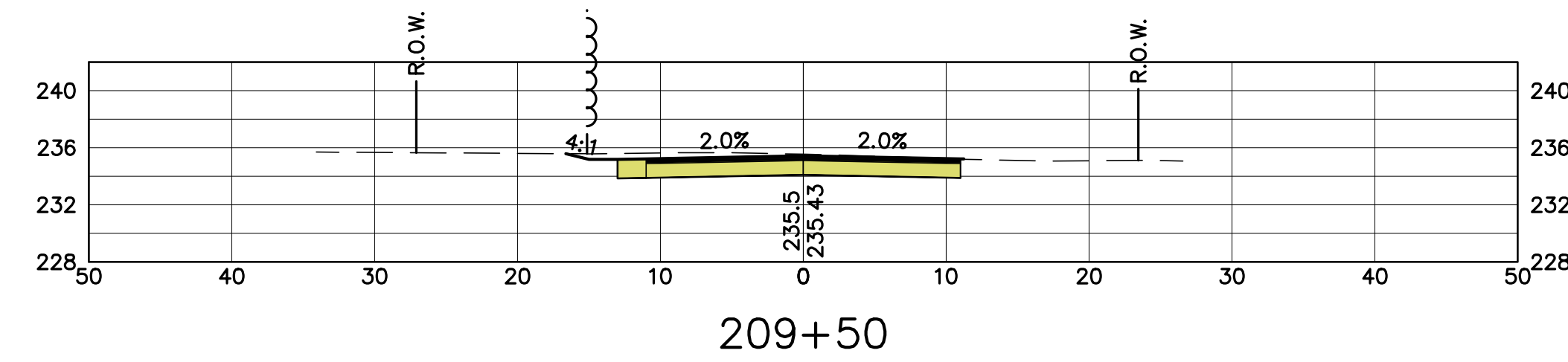
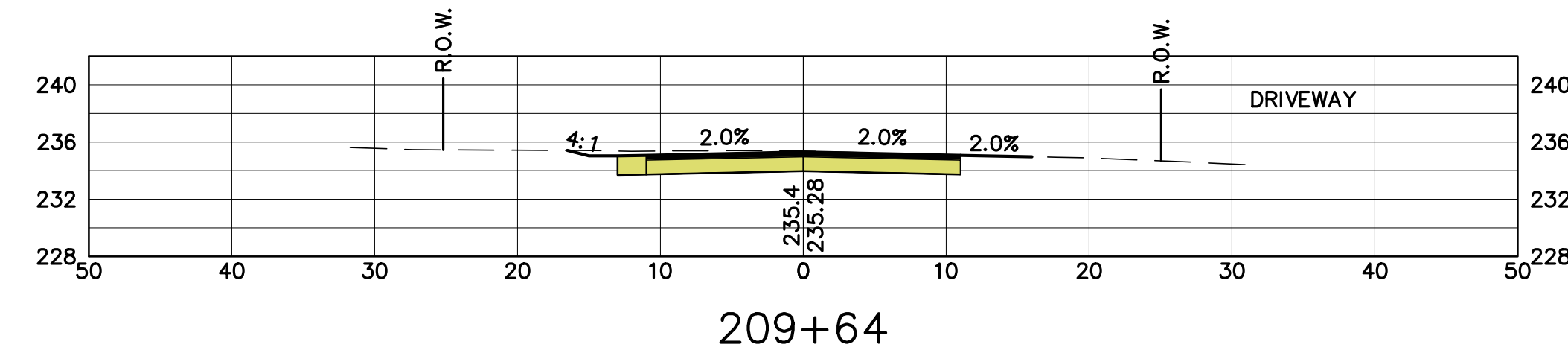
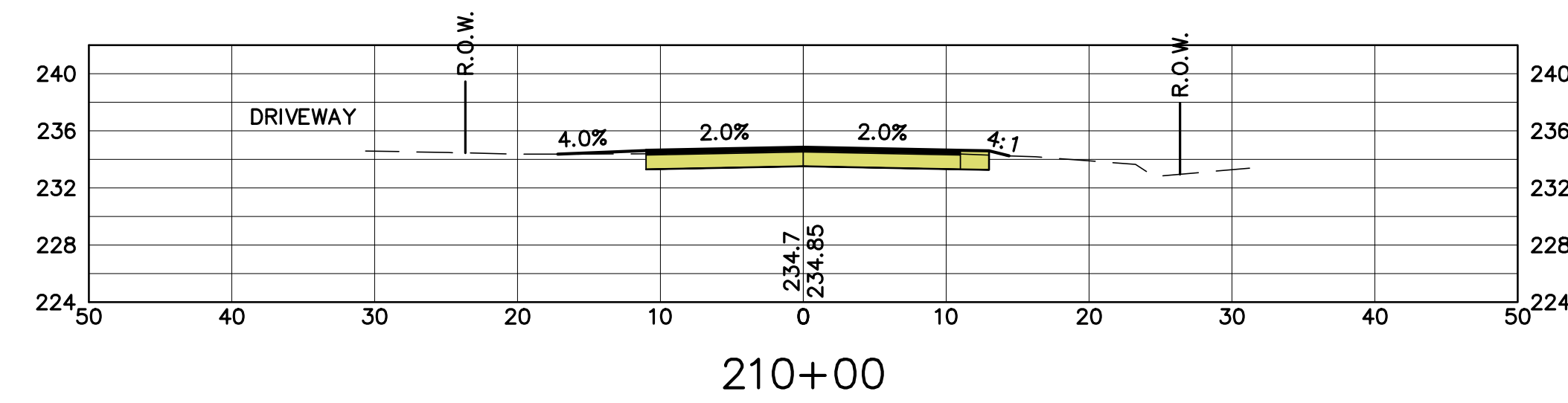
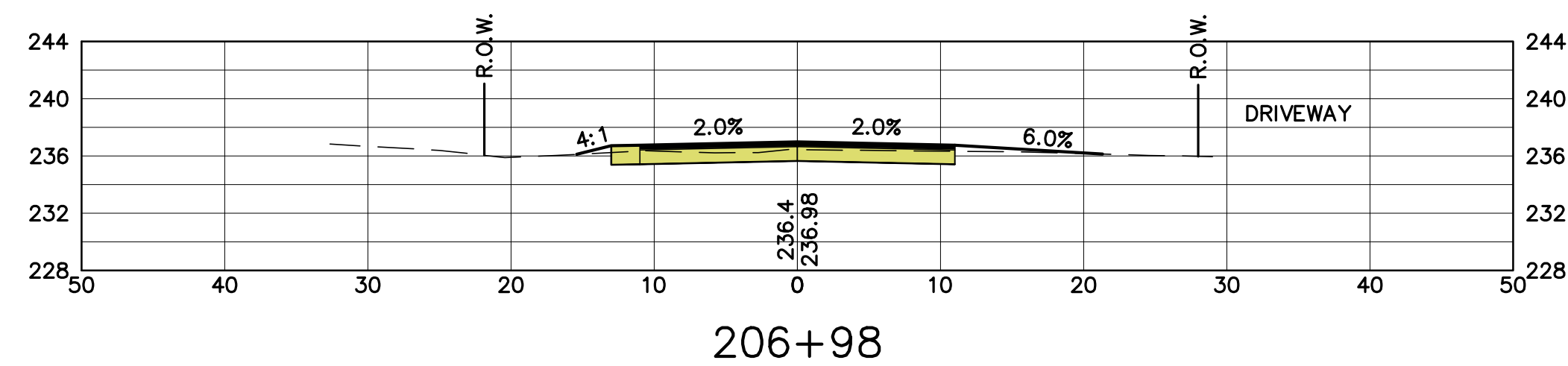
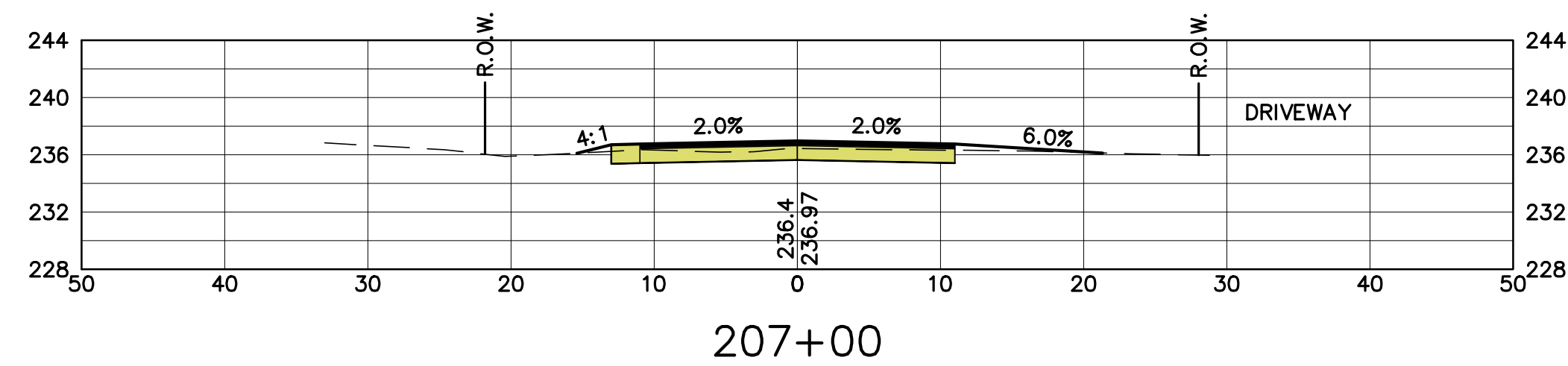
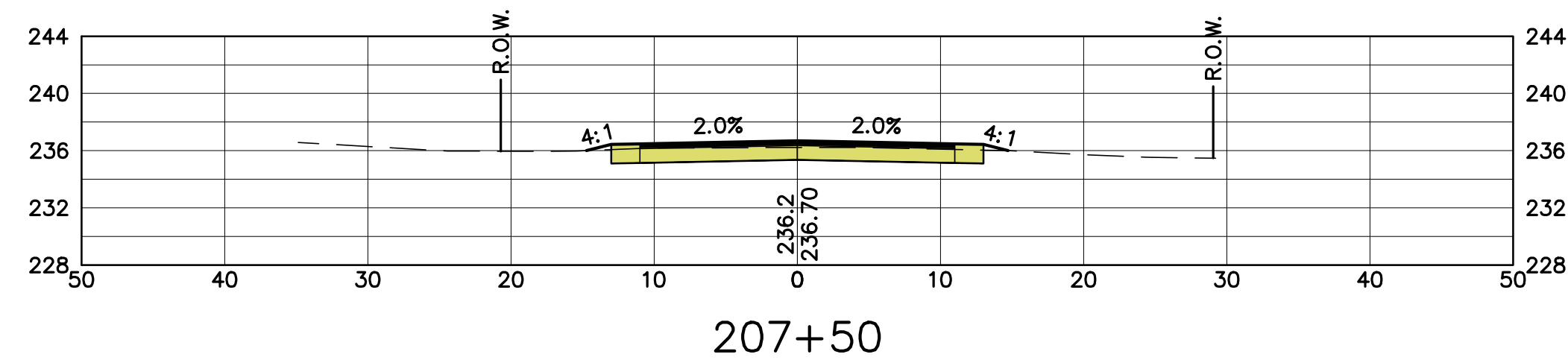
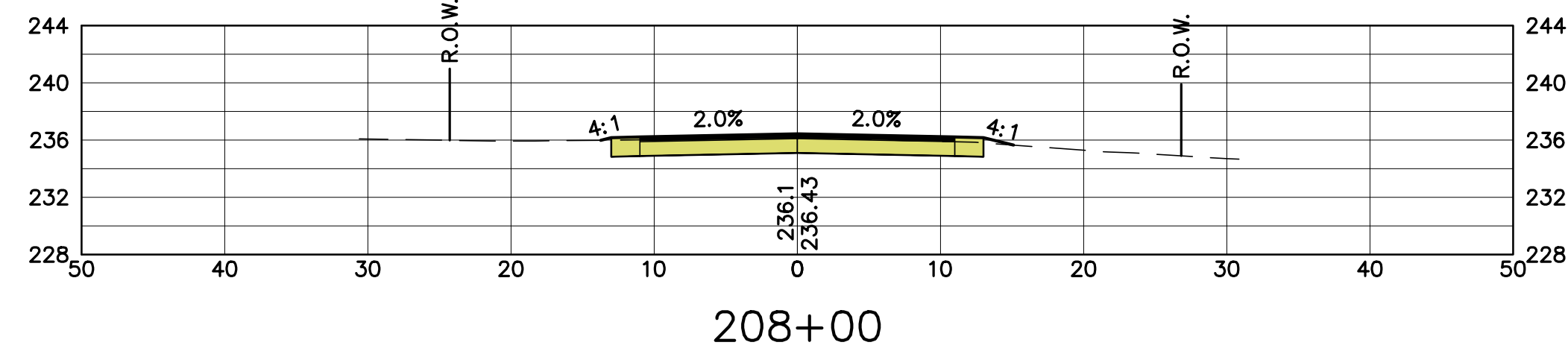
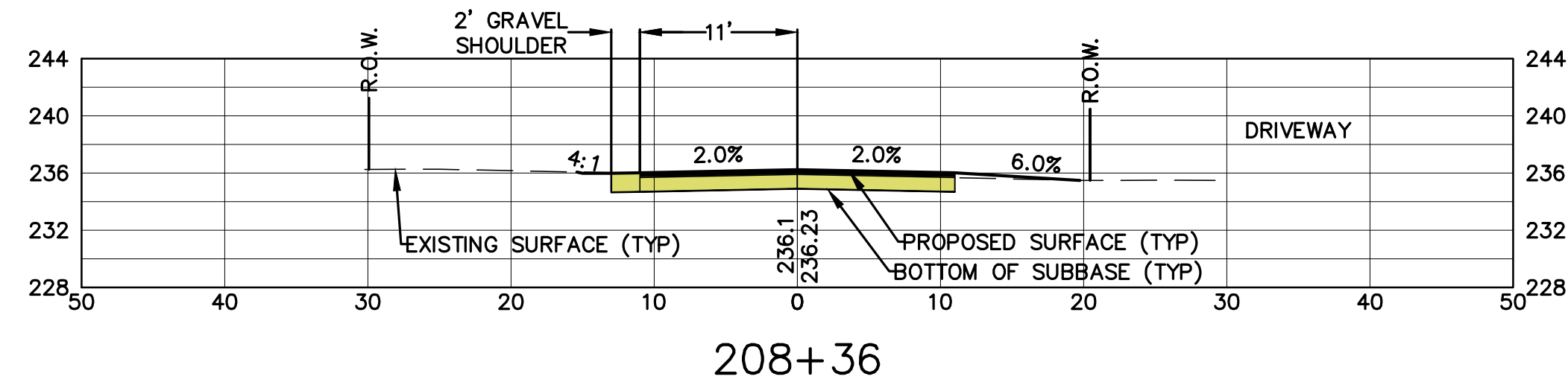
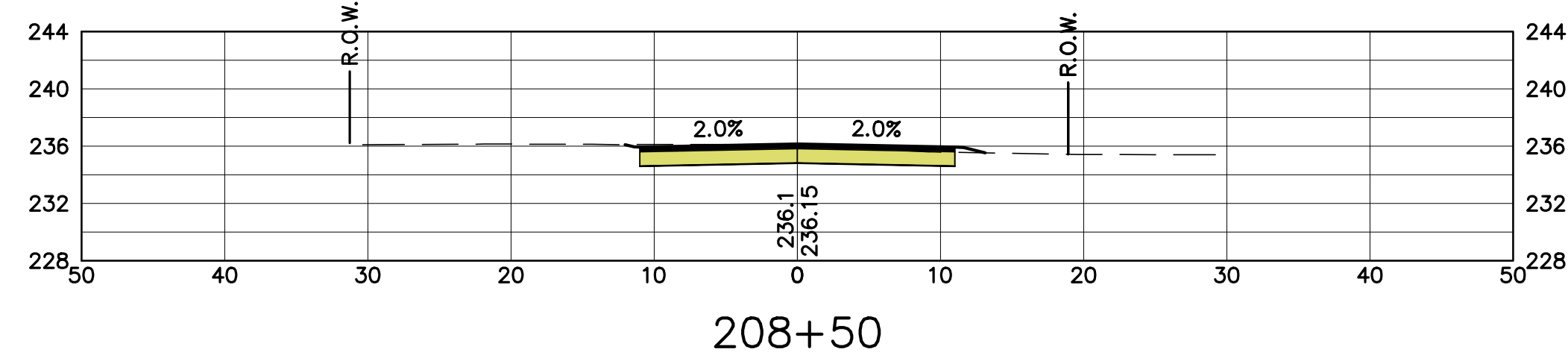
NO.	DATE	REVISION DESCRIPTION
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GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION		TOWN OF BEDFORD		MAPLE DRIVE CROSS SECTIONS 200+00 TO 203+45	
BEDFORD, NEW HAMPSHIRE		24 NORTH AMHERST ROAD		BEDFORD, NEW HAMPSHIRE 03110	
SHEET: 28 OF 41		DATE: FEBRUARY 3, 2017		PROJ. 12.5-2017	
SCALE: AS SHOWN		NO.		REVISION DESCRIPTION	

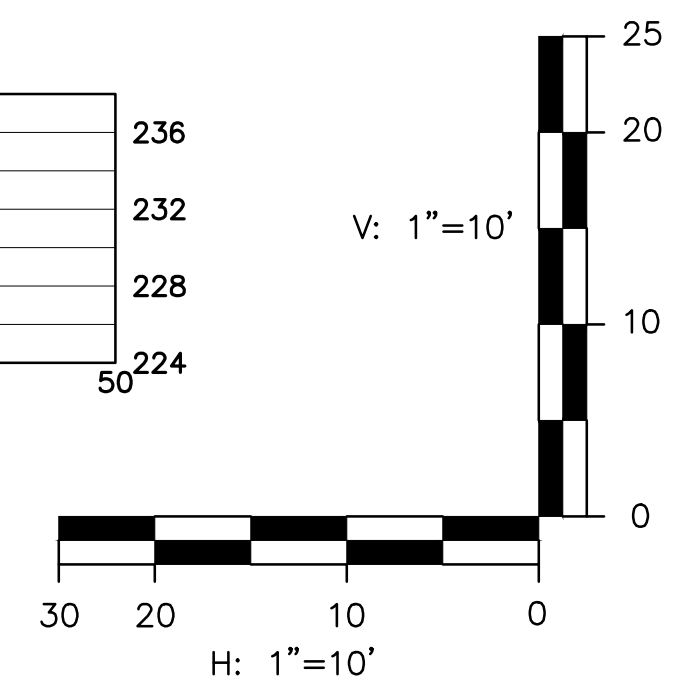
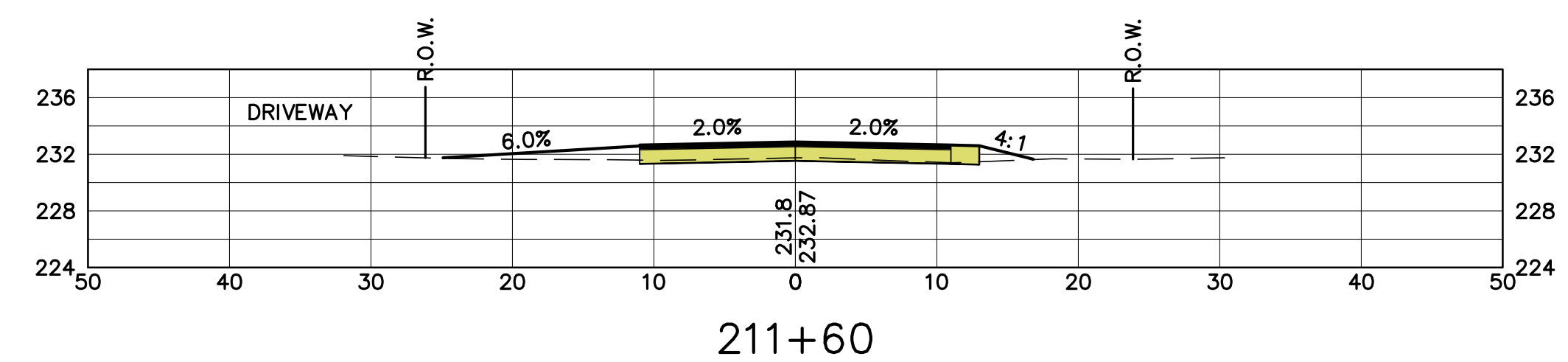
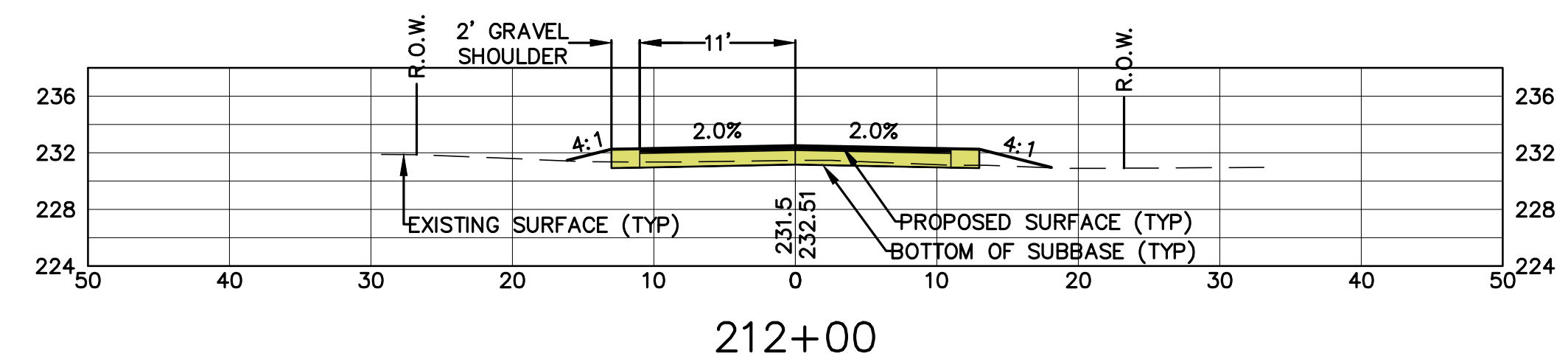
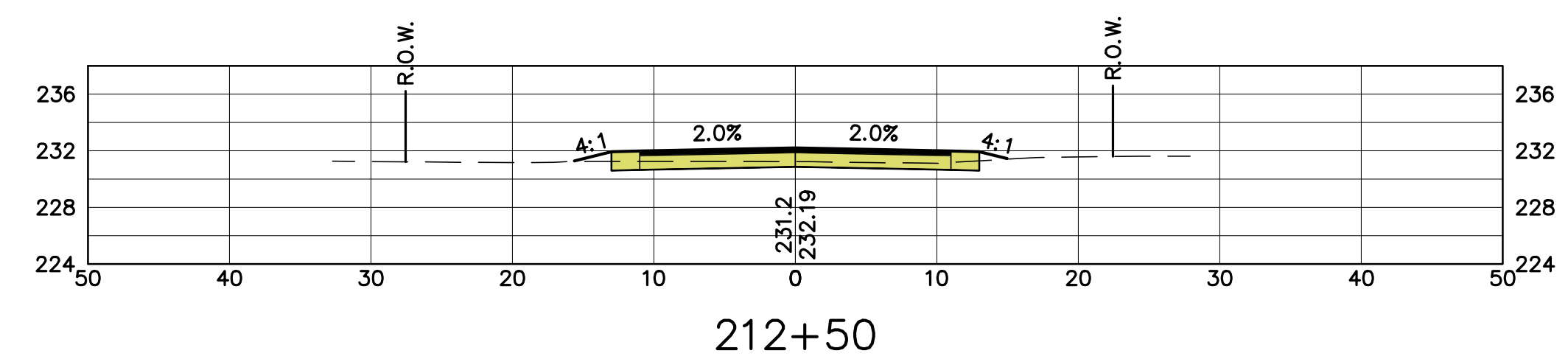
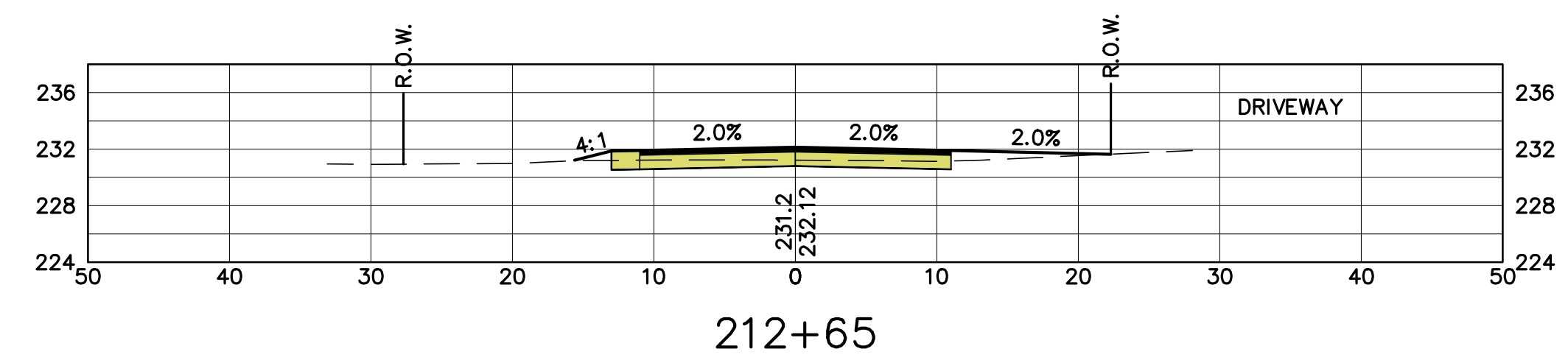
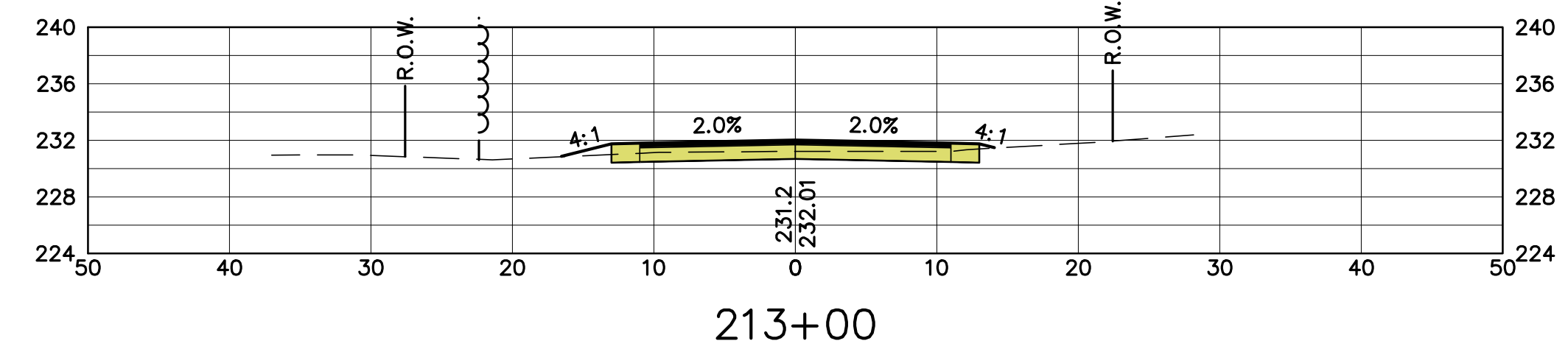
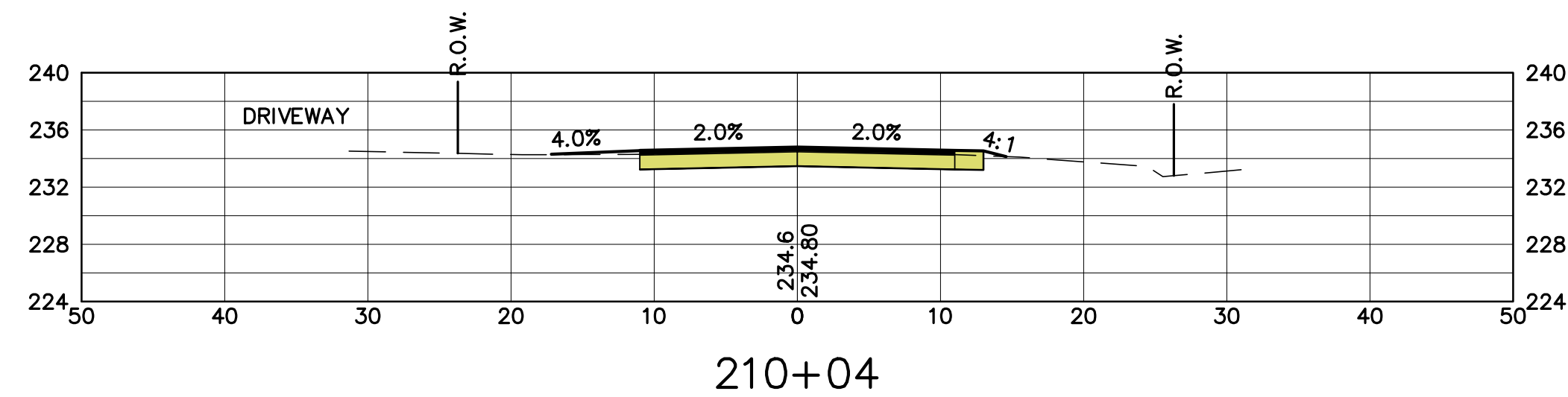
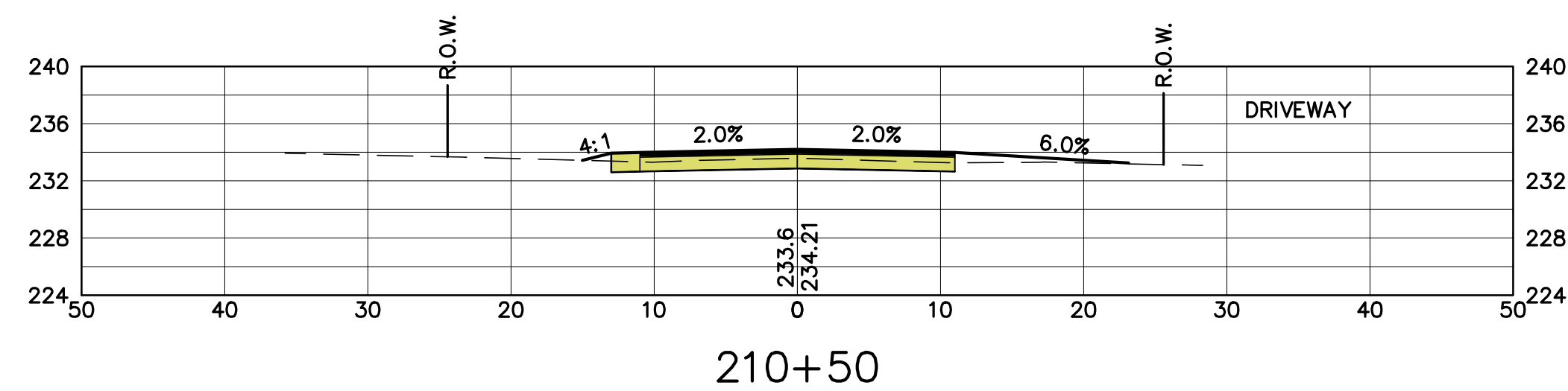
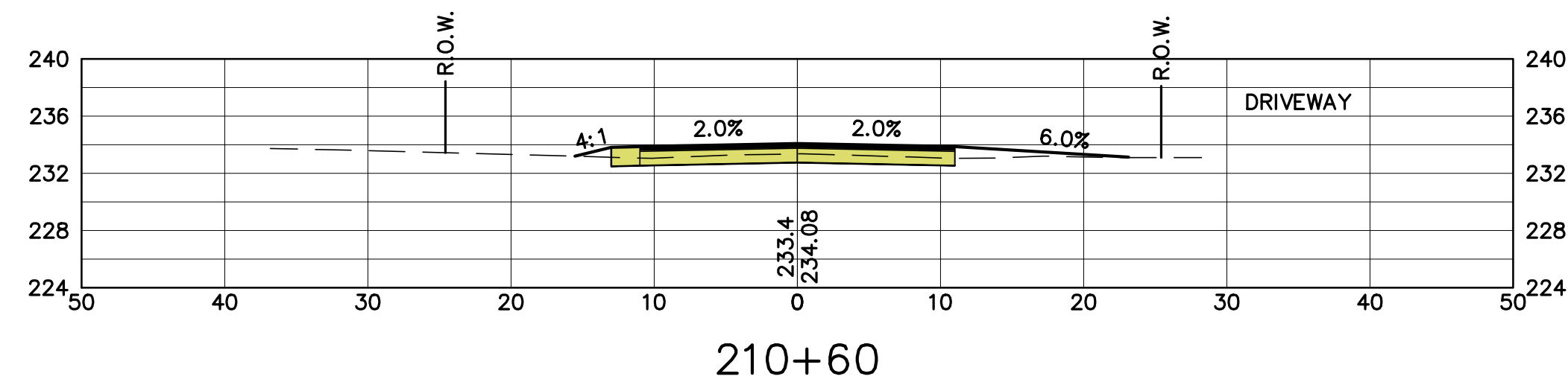
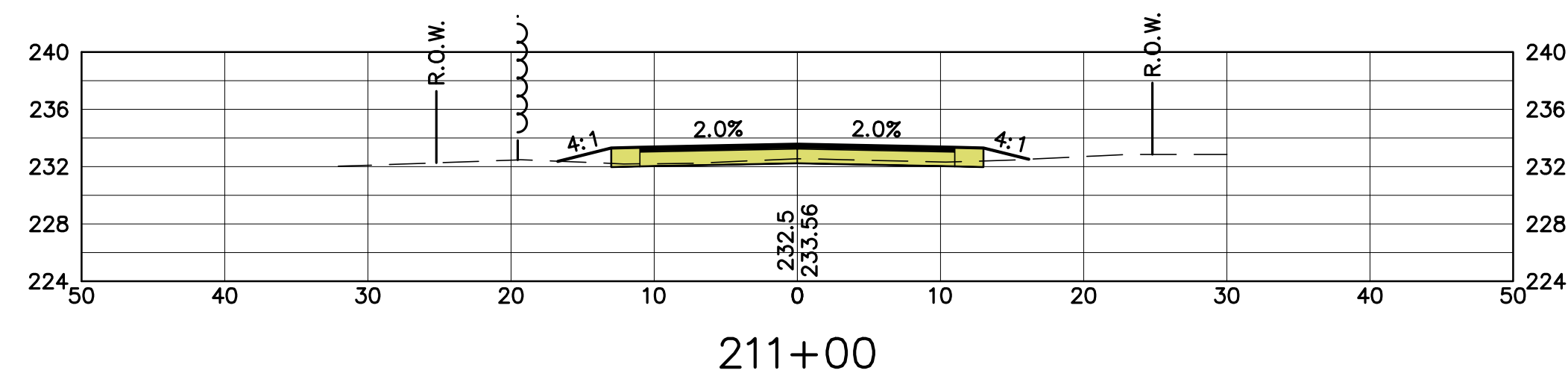
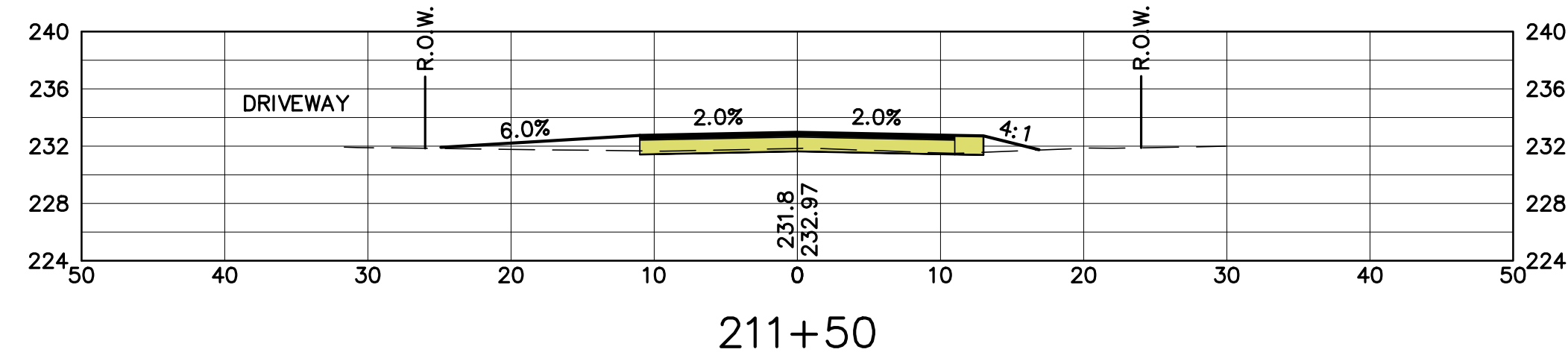


GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION BEDFORD, NEW HAMPSHIRE		TOWN OF BEDFORD 24 NORTH AMHERST ROAD BEDFORD, NEW HAMPSHIRE 03110		MAPLE DRIVE CROSS SECTIONS 203+50 TO 206+50		NO.		DATE		REVISION DESCRIPTION	
SHEET: 29		OF 41		SCALE: AS SHOWN		PROJ. 12.5-2017		DATE: FEBRUARY 3, 2017			



H: $1'' = 10'$

[illegible]



H: $1'' = 10'$

[illegible]

PREPARED FOR:

TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

MAPLE DRIVE
CROSS SECTIONS
210+04 TO 213+00

31 OF 41 SCALE: AS SHOWN

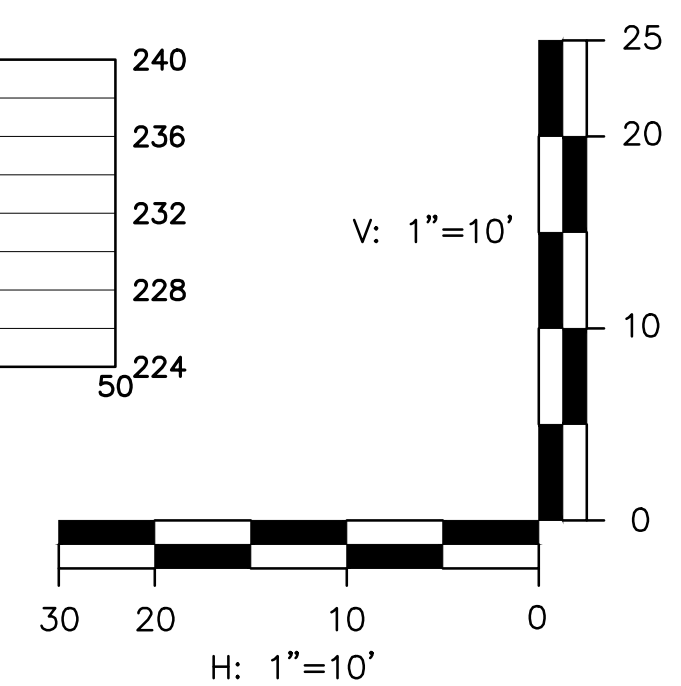
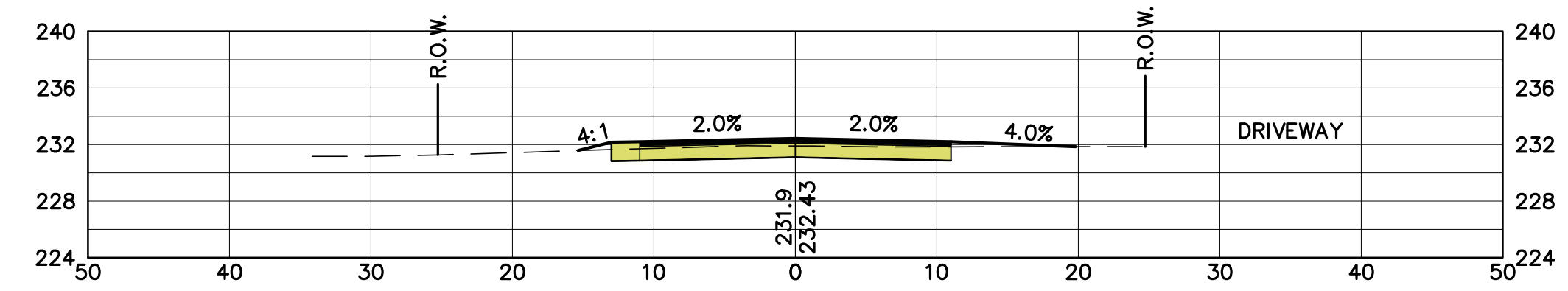
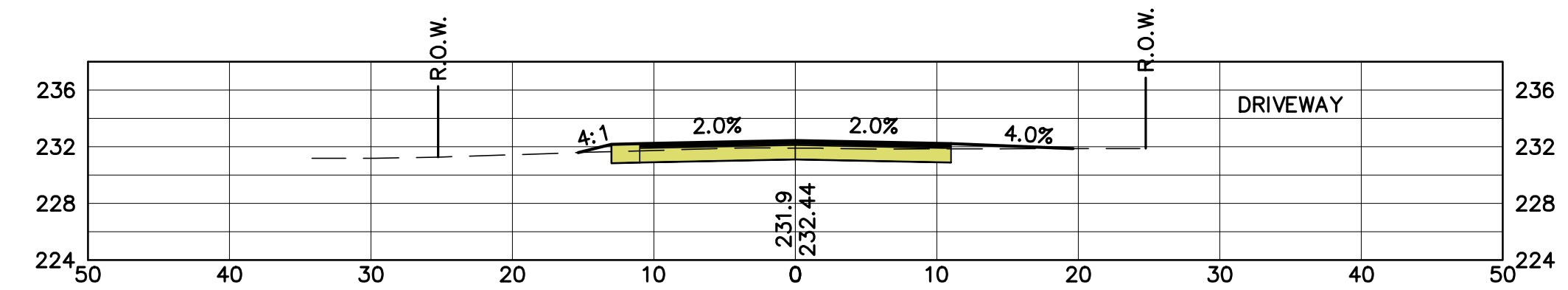
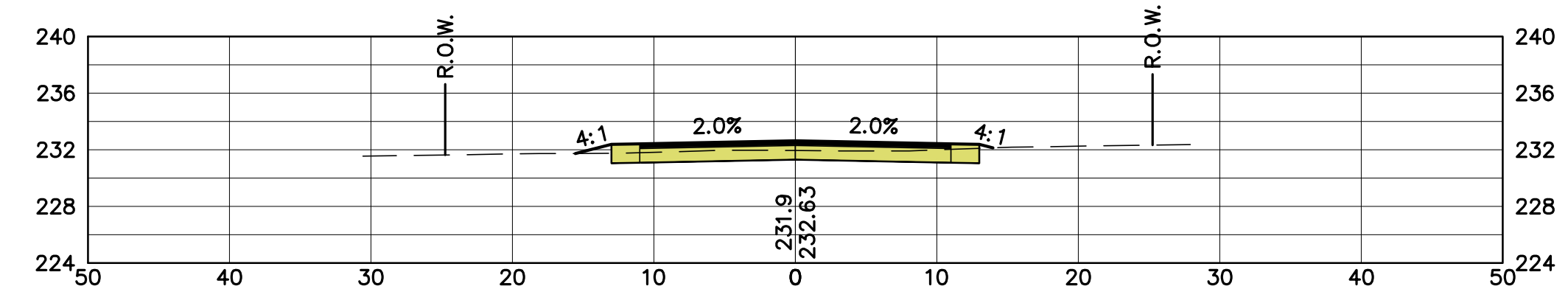
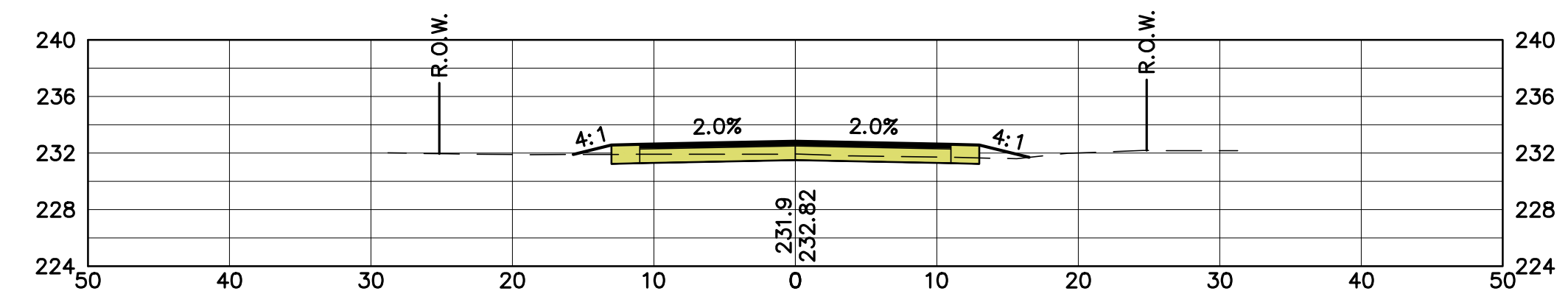
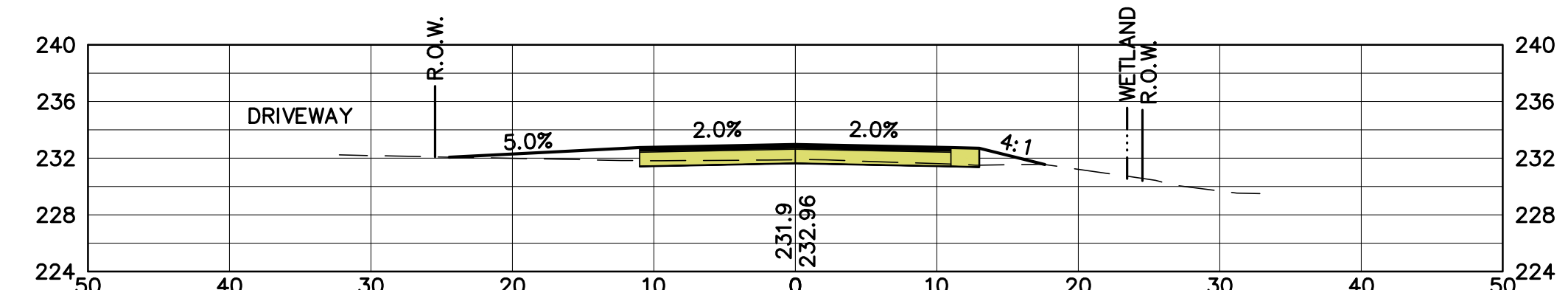
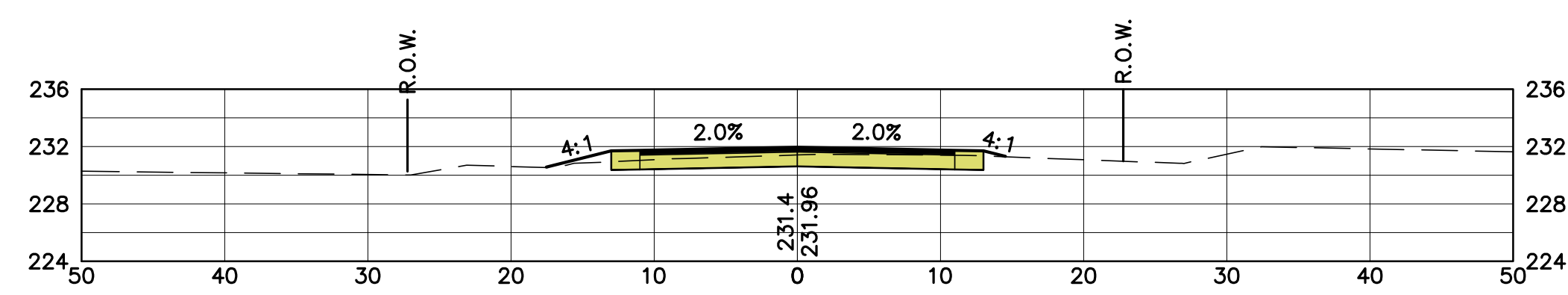
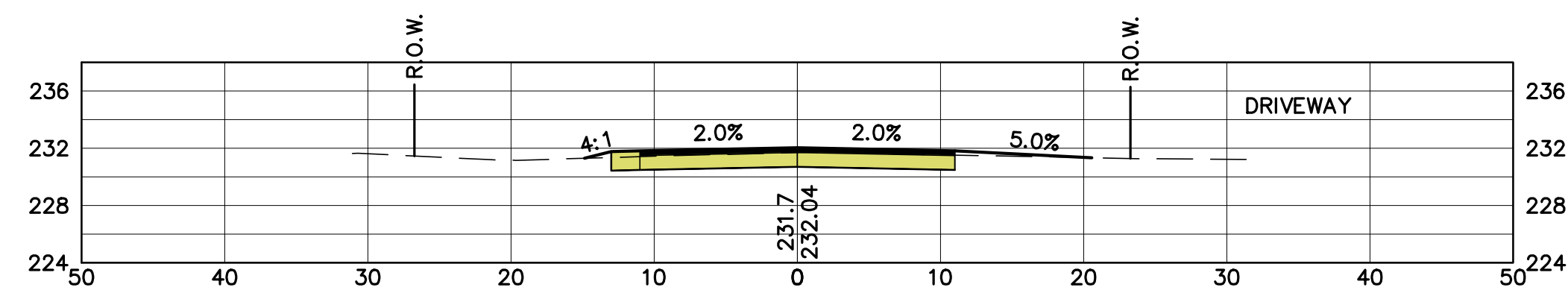
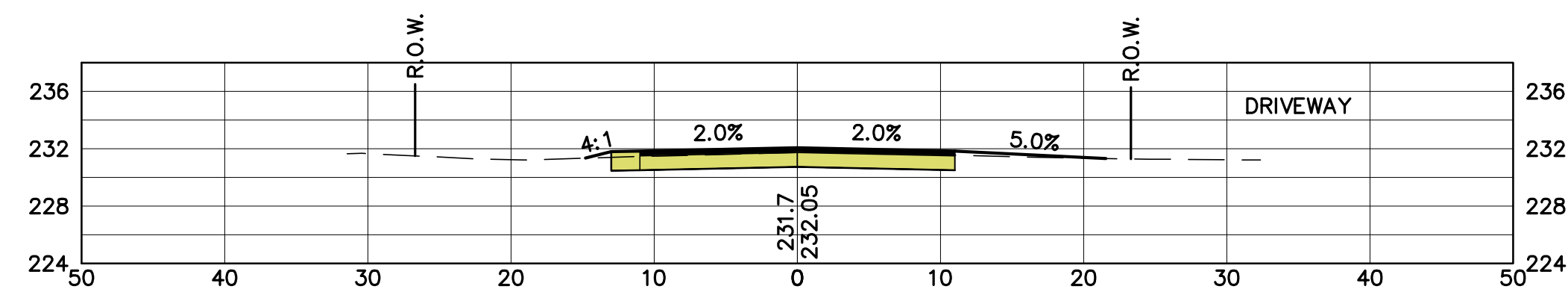
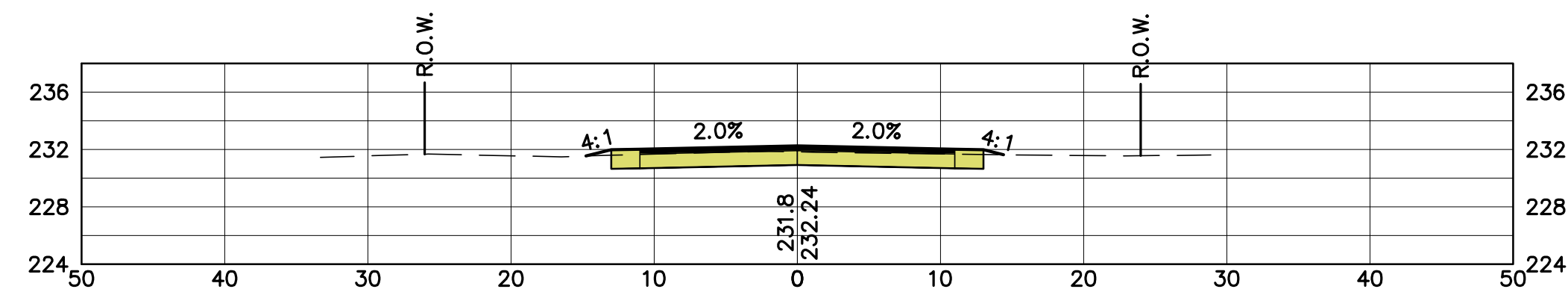
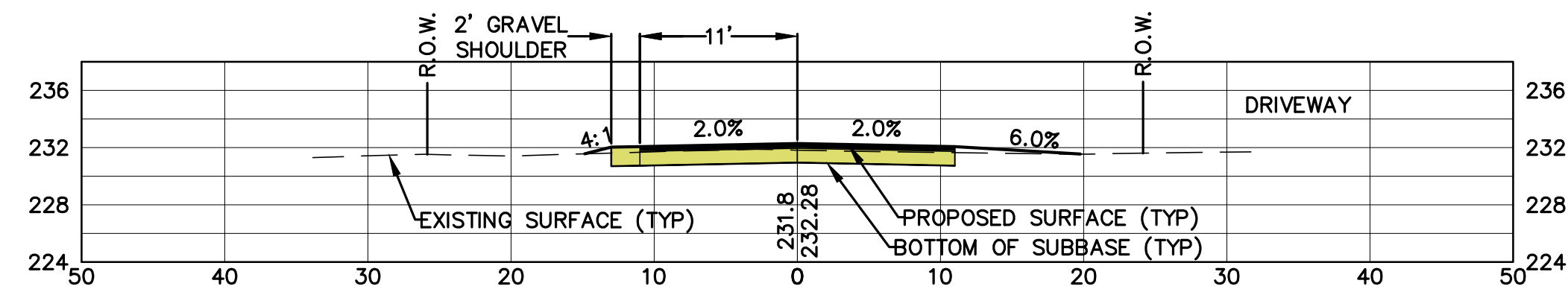
SCALE: AS SHOWN

DATE: FEBRUARY 3, 2017

PROJ. 12.5-2017

	DATE
	NO.

REVISION	DESCRIPTION
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H: $1'' = 10'$

[illegible]

PREPARED FOR:

TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

MAPLE DRIVE
CROSS SECTIONS
213+50 TO 216+35

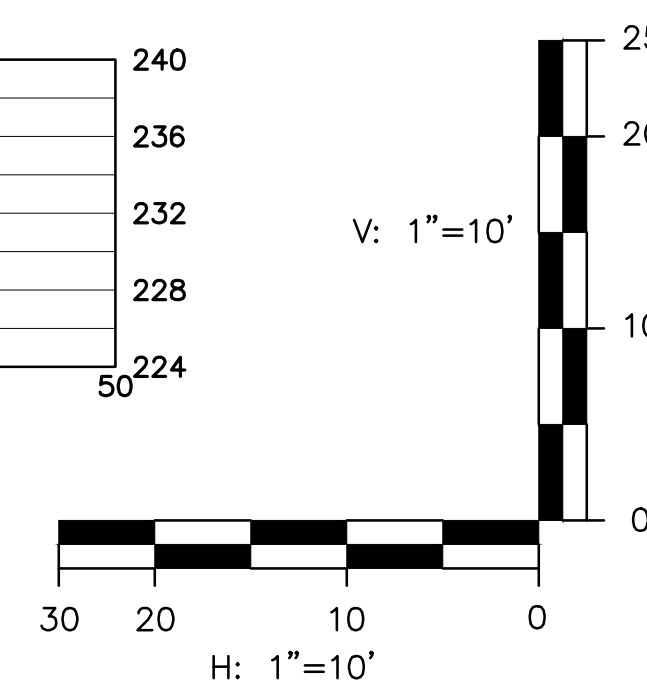
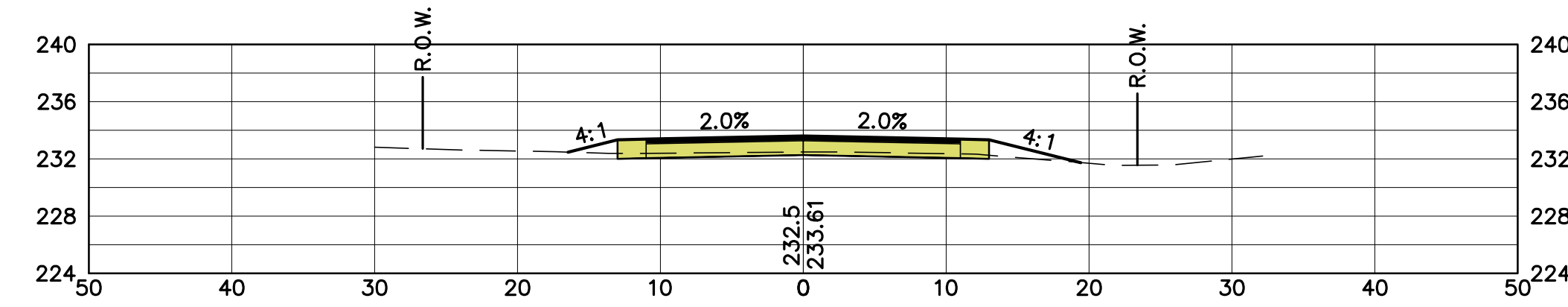
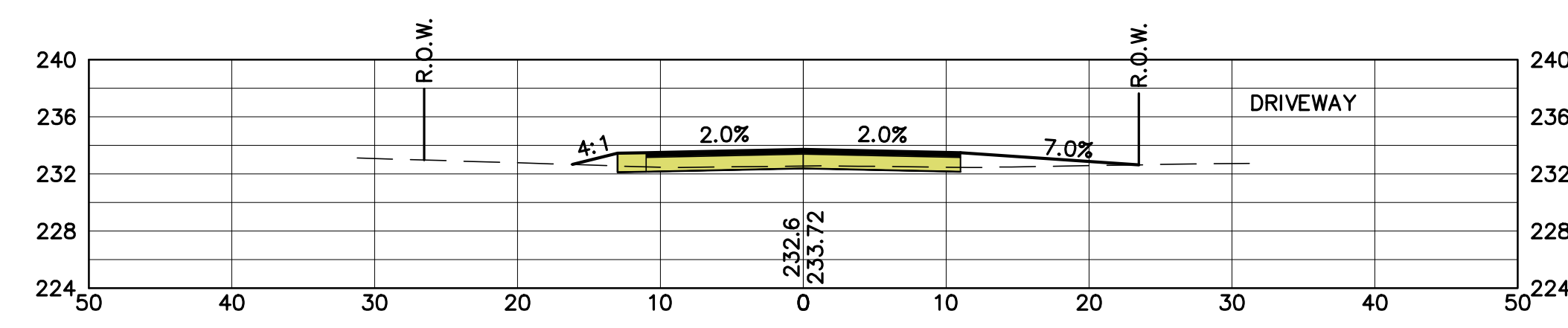
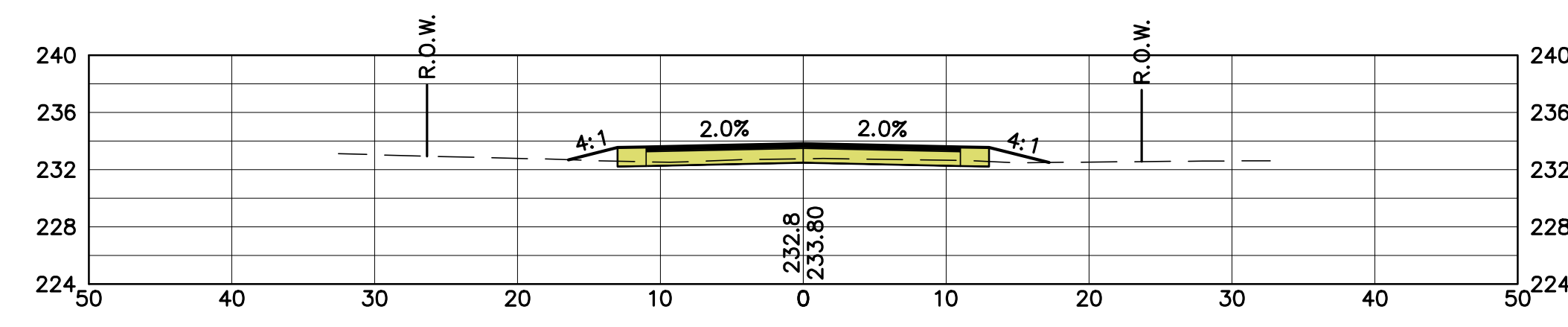
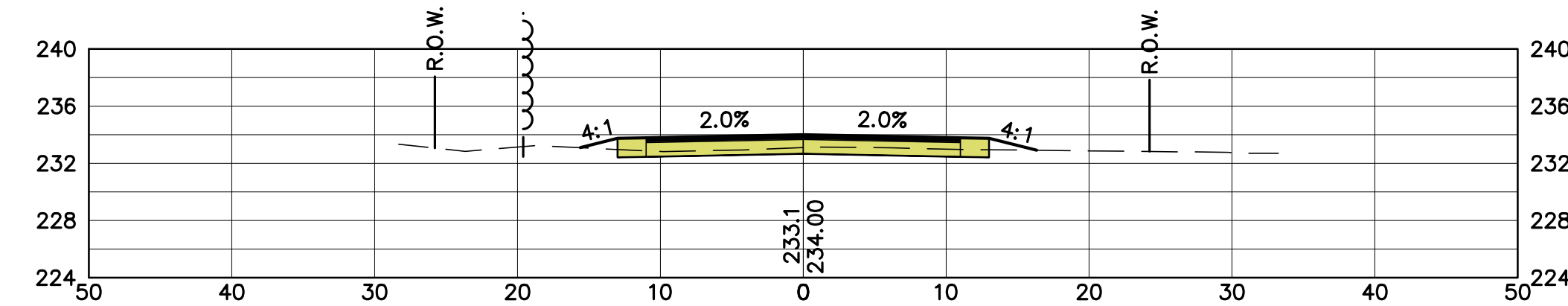
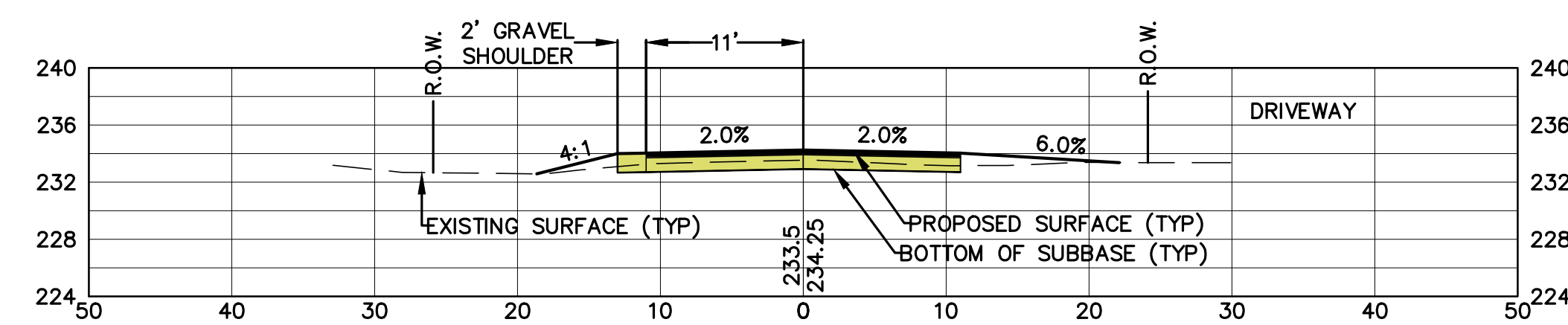
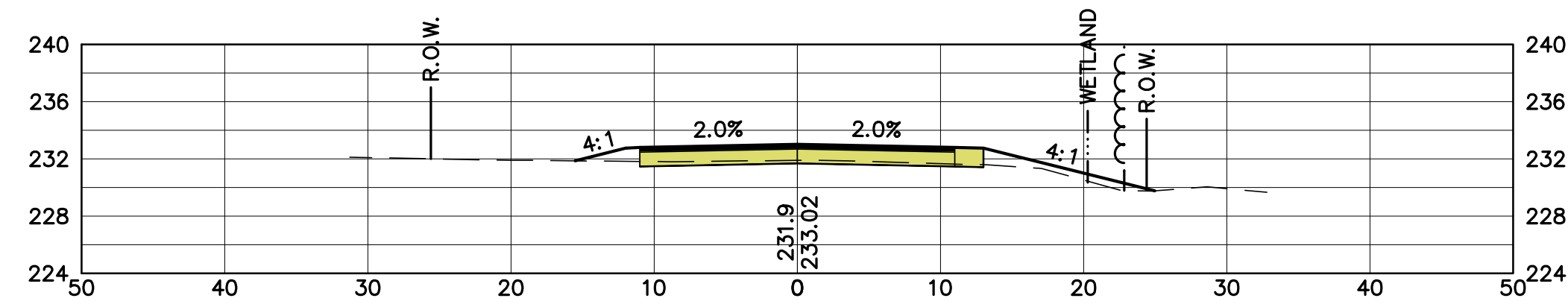
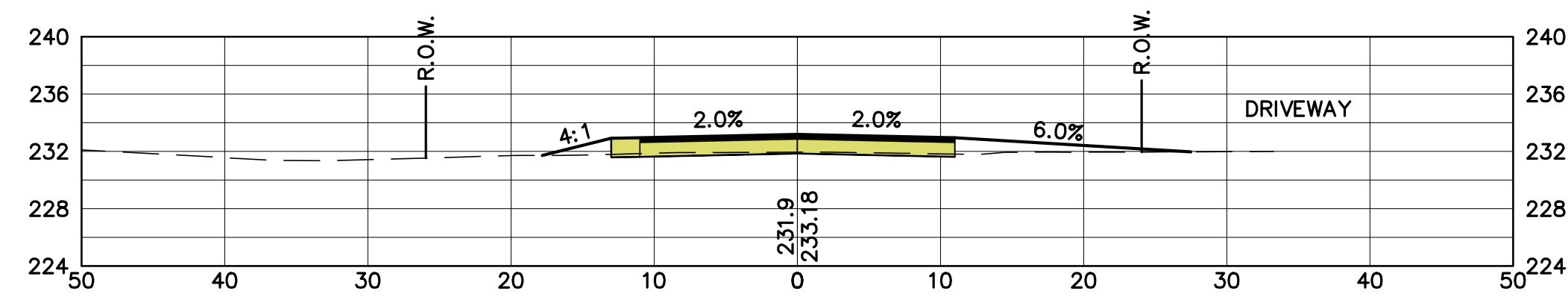
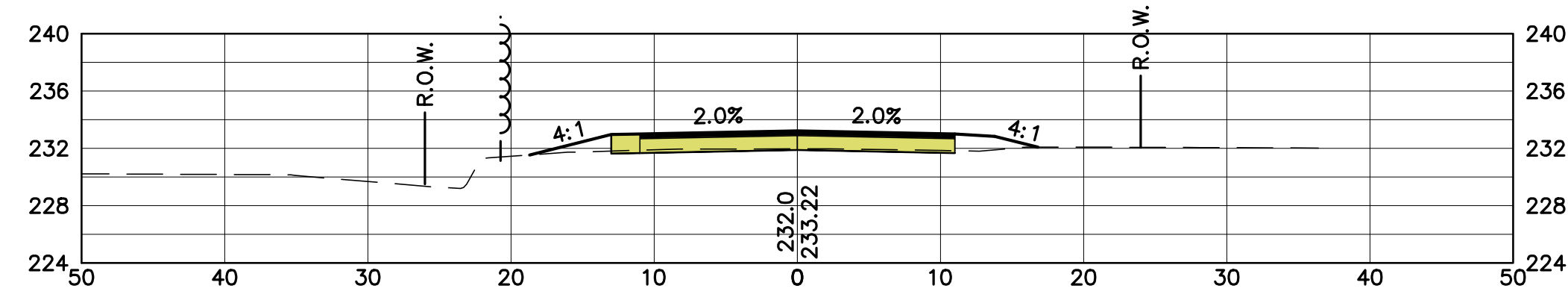
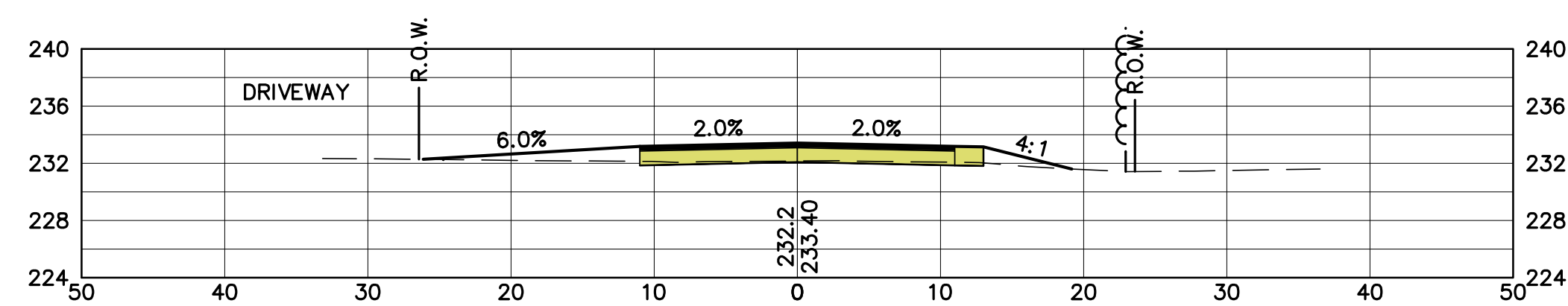
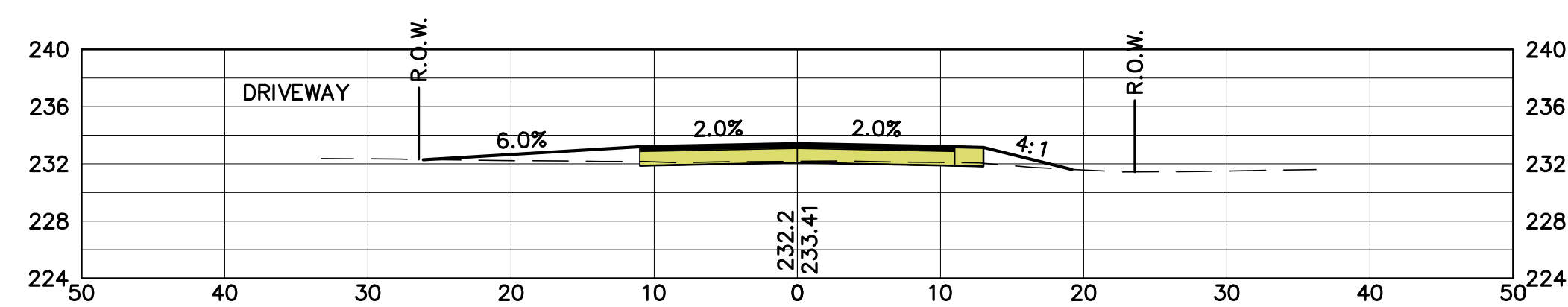
SHEET: 32 OF 41	SCALE: AS SHOWN
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DATE: FEBRUARY 3, 2017

PROJ. 12.5-2017

REVISION DESCRIPTION

NO.	DATE
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H: $1'' = 10'$

MAPLE DRIVE
CROSS SECTIONS
216+50 TO 219+50

PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

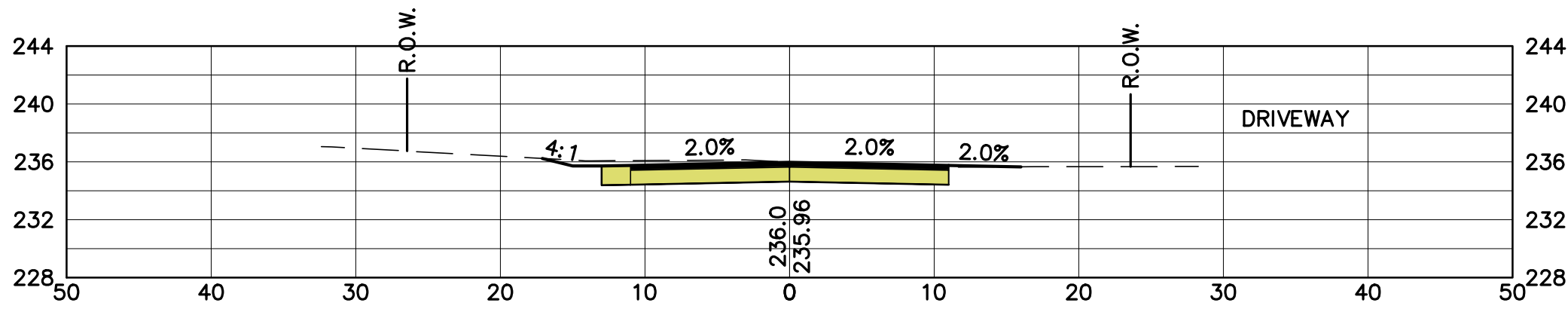
GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE

SHEET: 33 OF 41	SCALE: AS SHOWN
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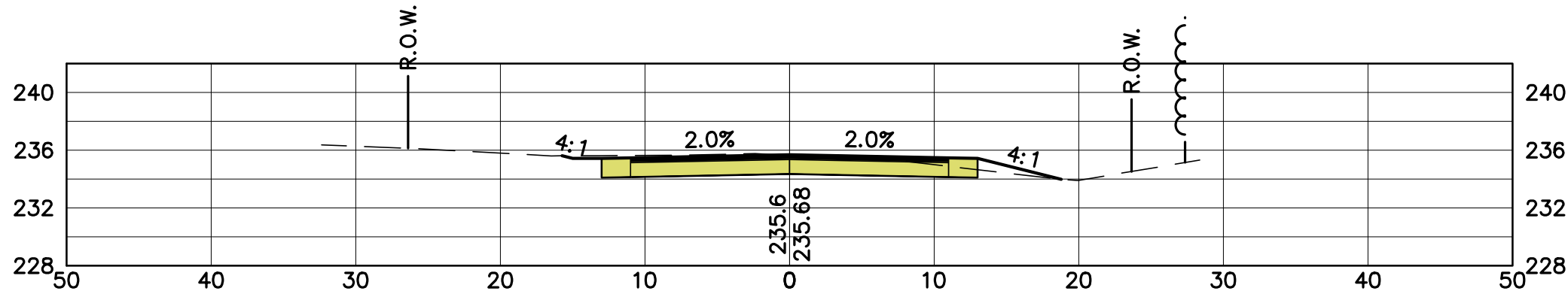
DATE: FEBRUARY 3, 2017

PROJ. 12.5-2017

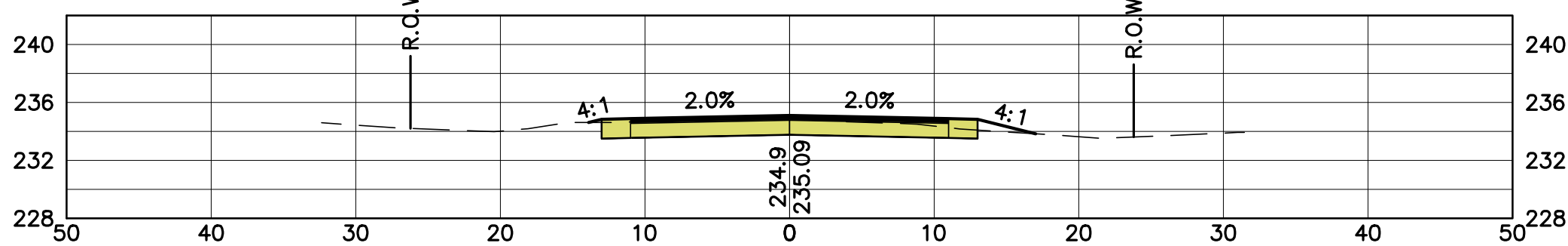
NO.	DATE	REVISION DESCRIPTION
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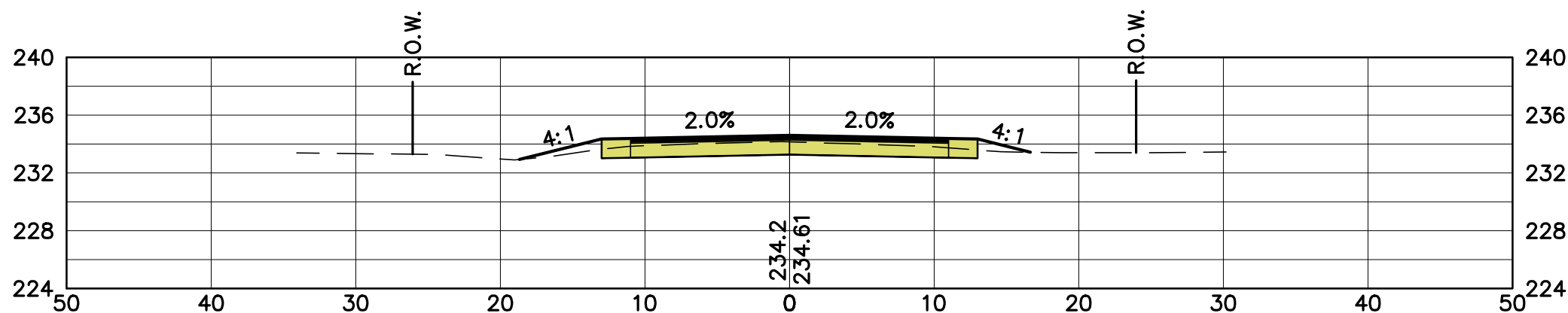
221+21



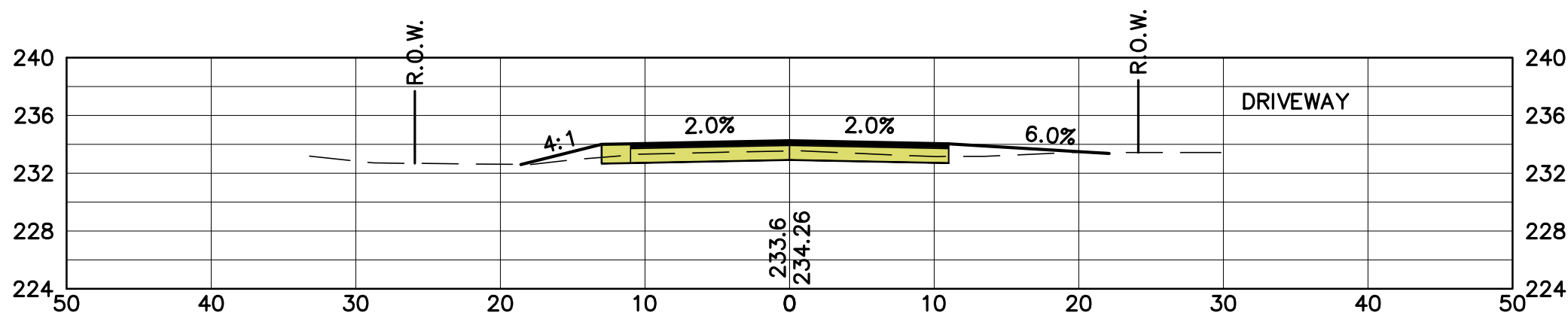
221+00



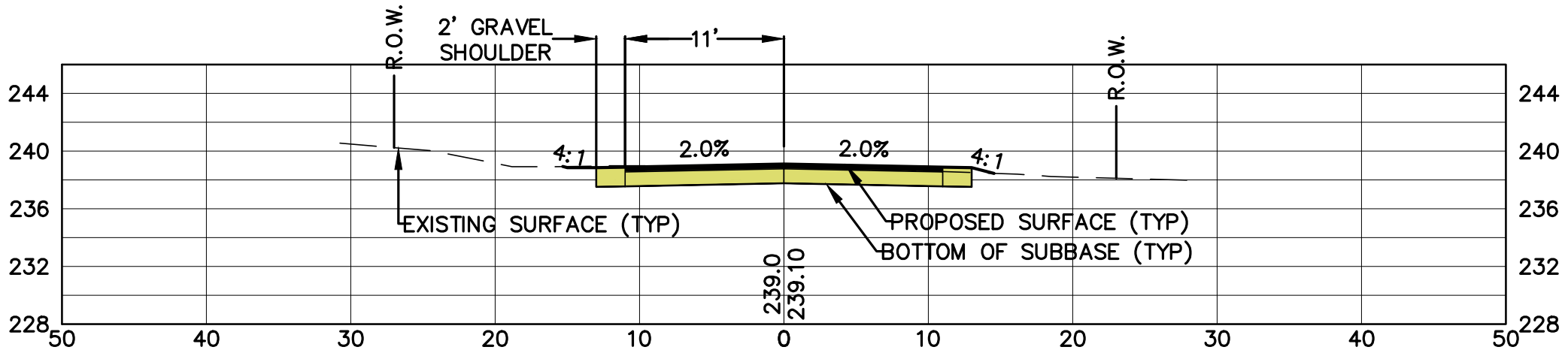
220+50



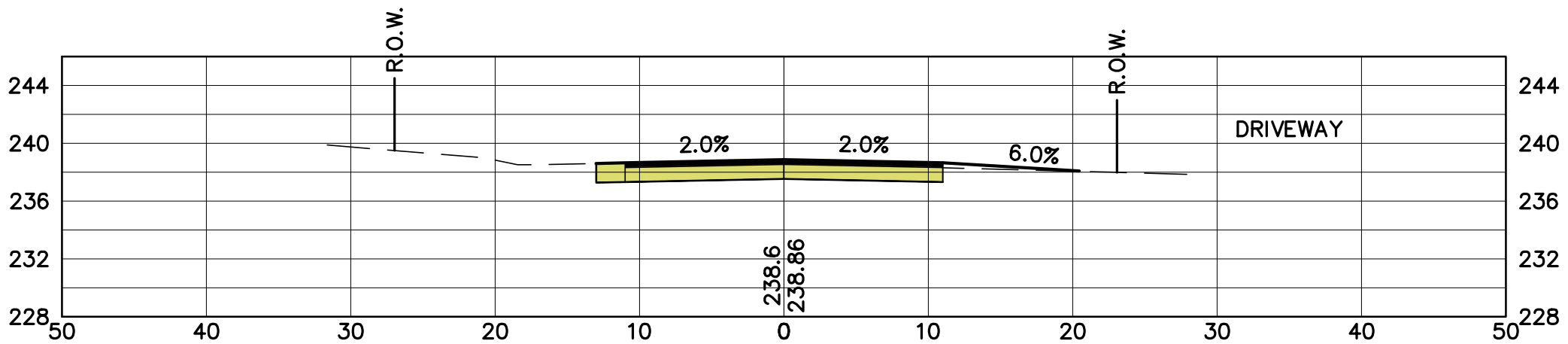
220+00



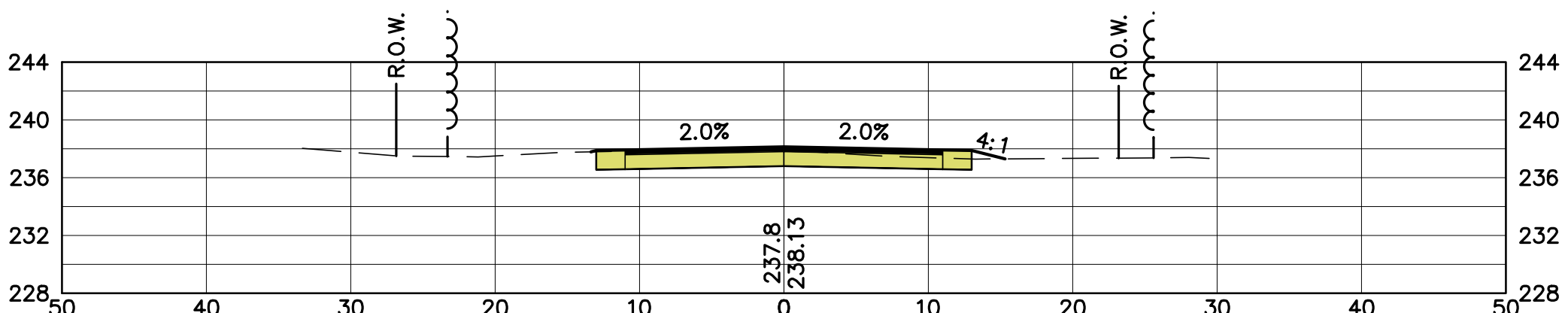
219+52



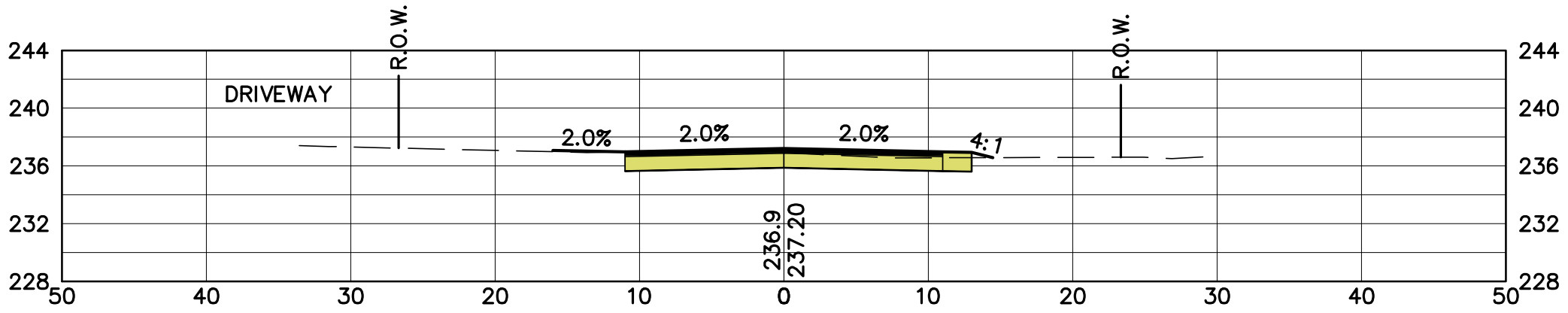
223+00



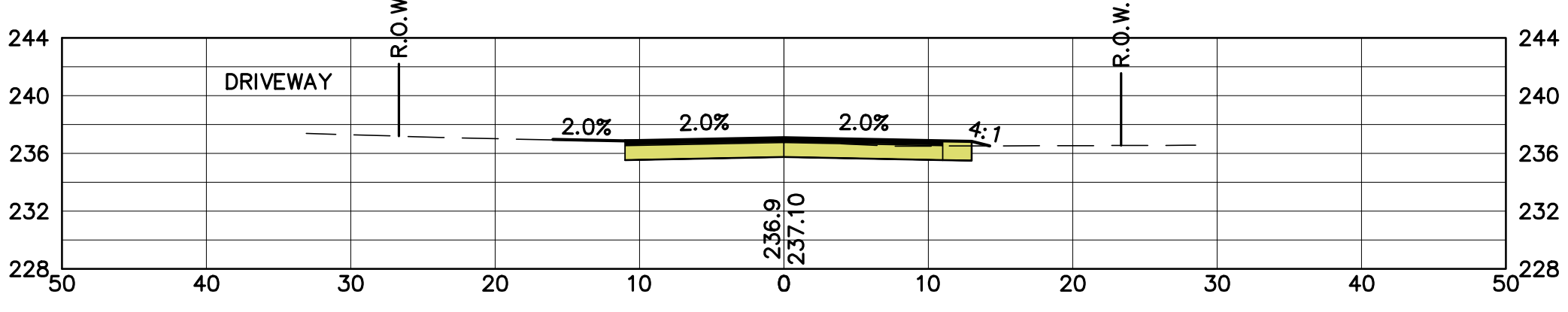
222+86



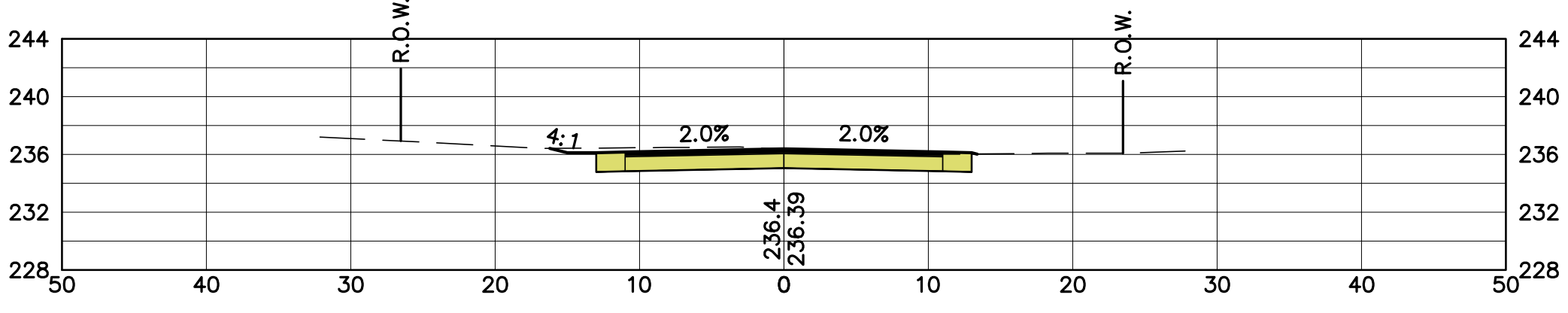
222+50



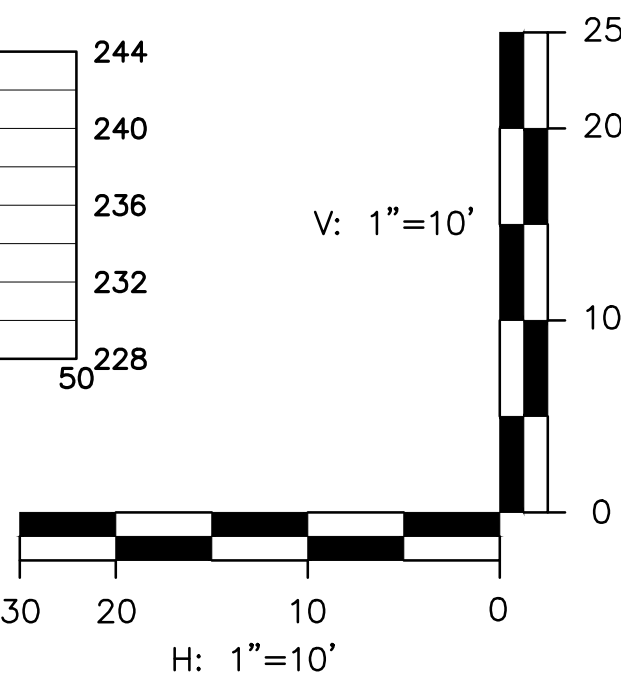
222+00



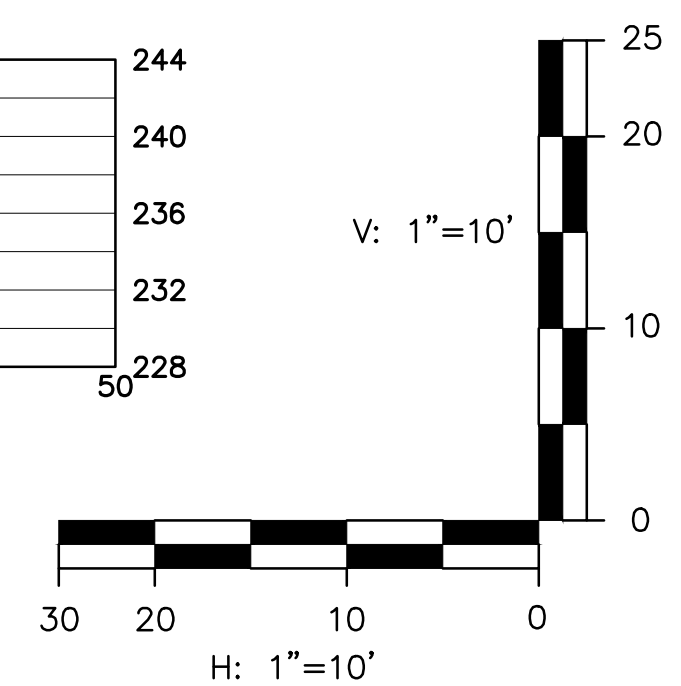
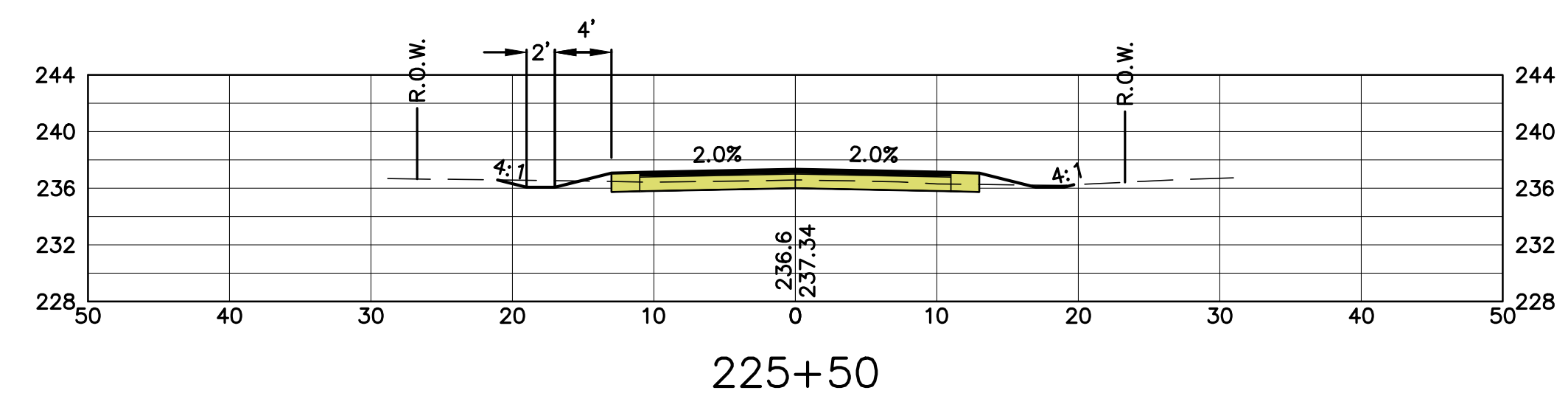
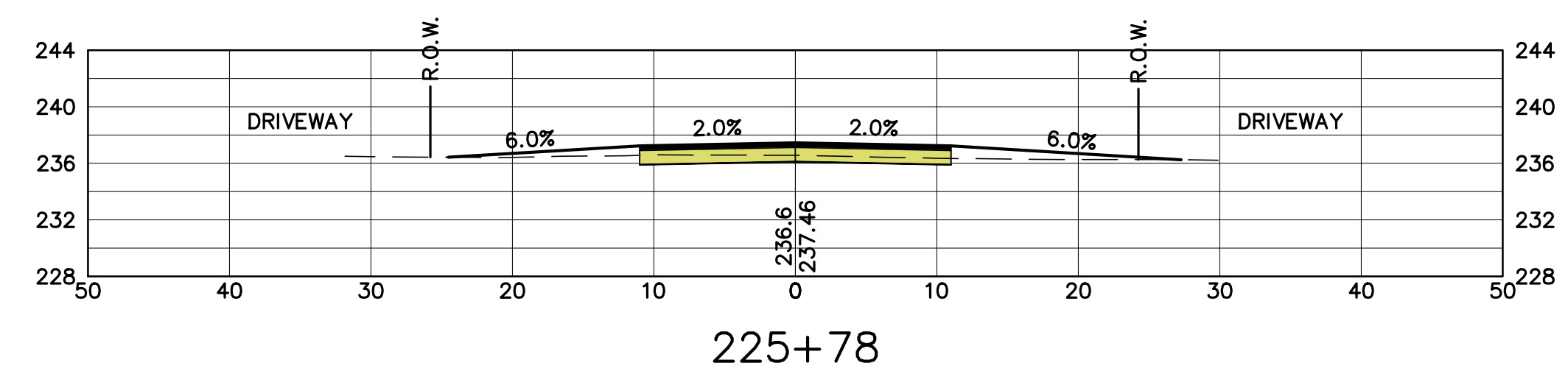
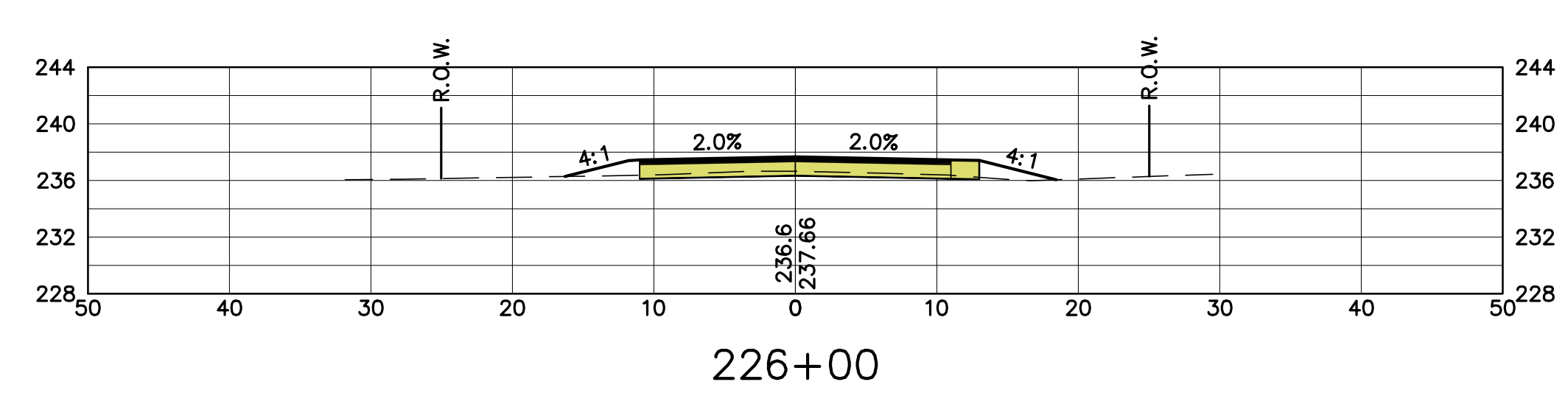
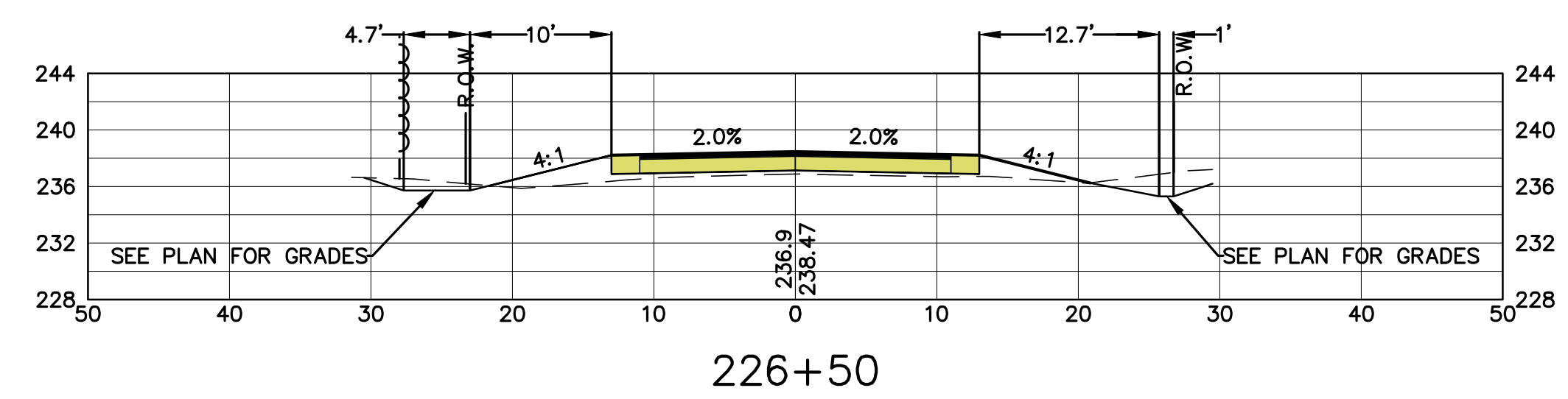
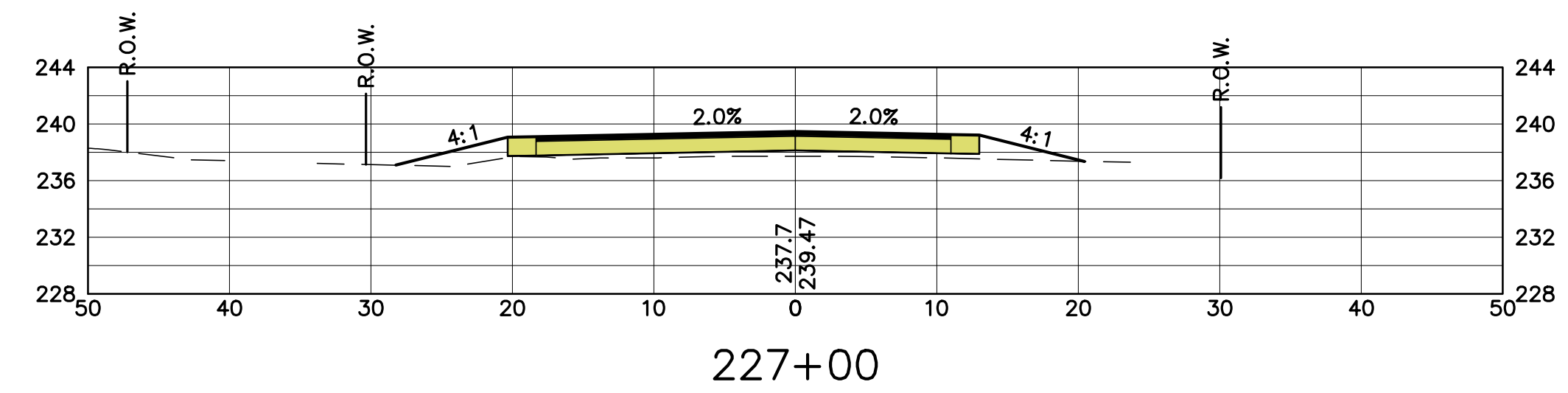
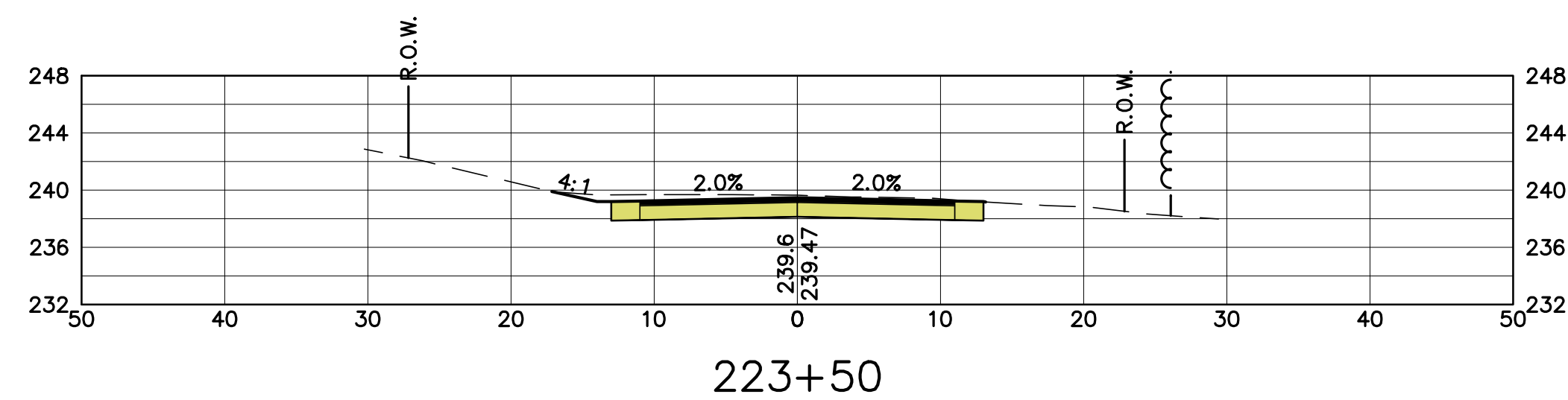
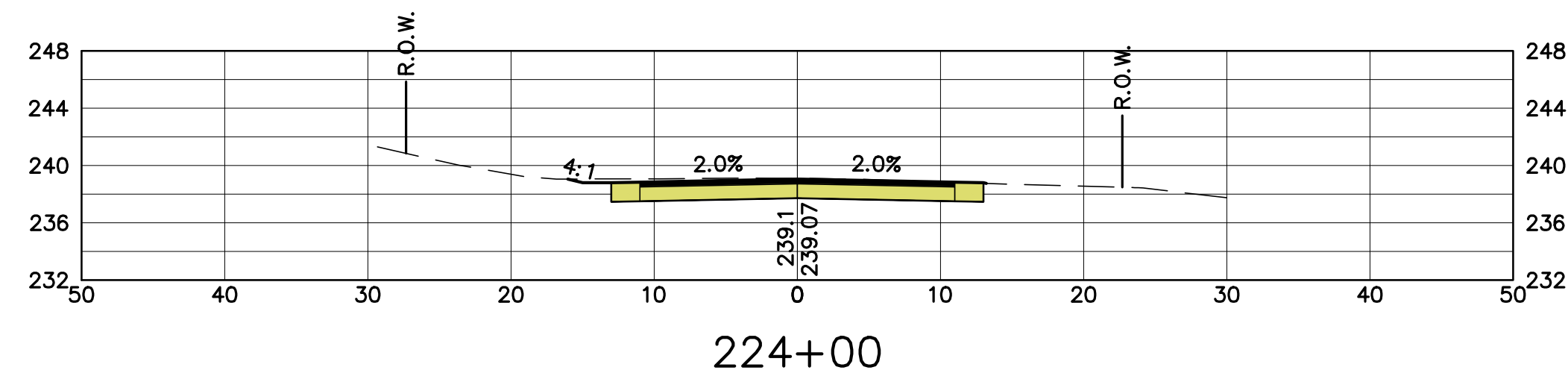
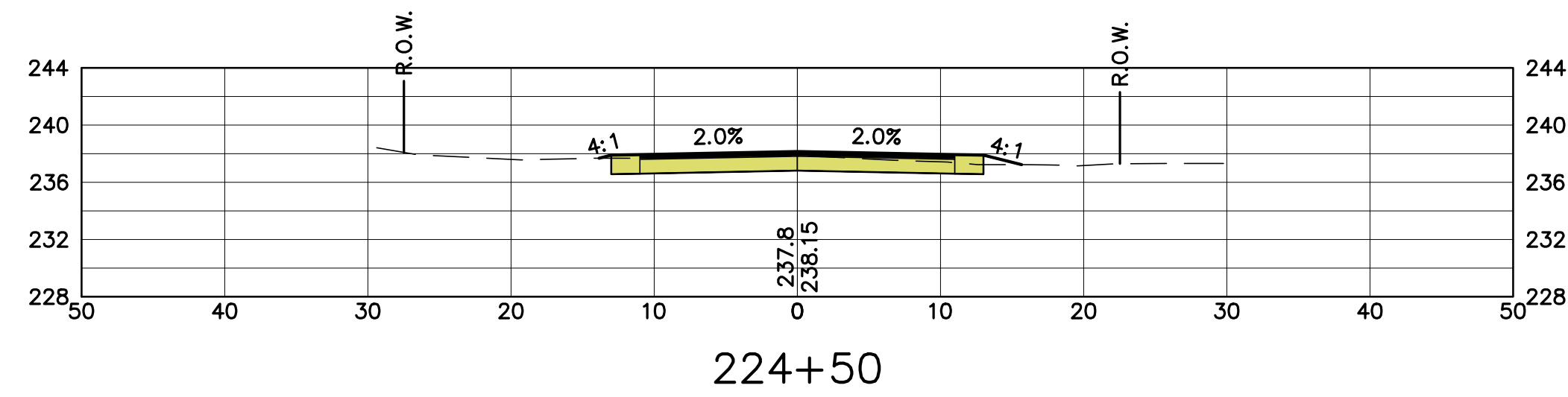
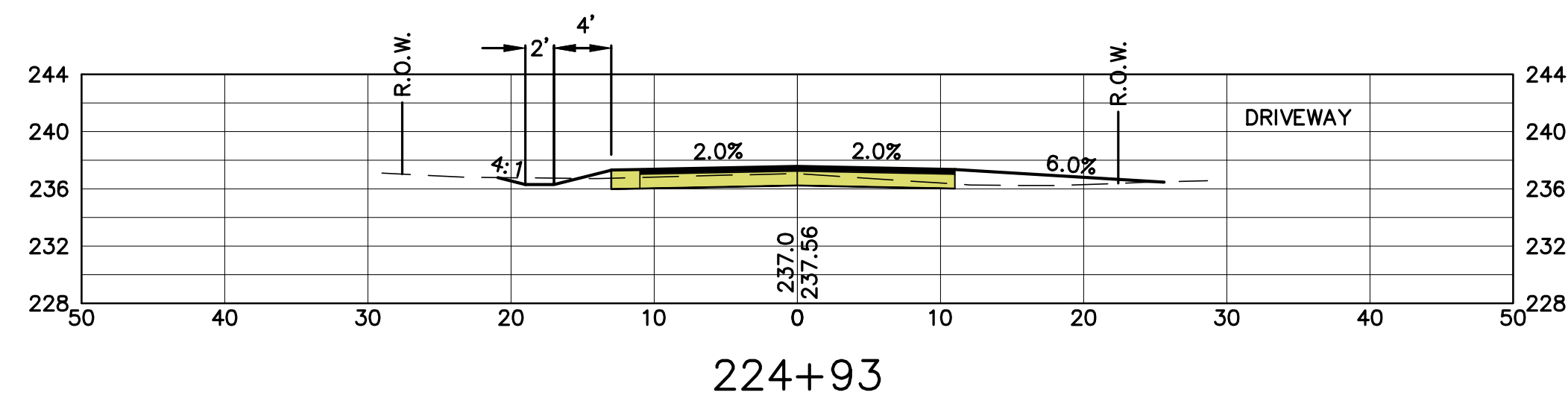
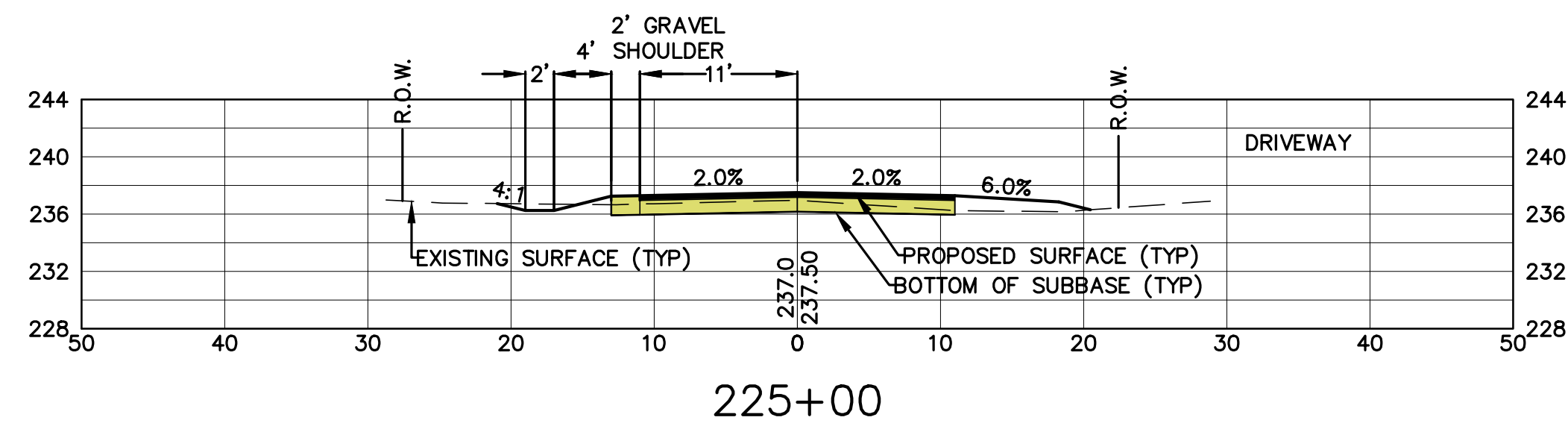
221+94



221+50



GAULT ROAD, MAPLE DRIVE, AND PATTEN ROAD RECONSTRUCTION BEDFORD, NEW HAMPSHIRE		PREPARED FOR: TOWN OF BEDFORD 24 NORTH AMHERST ROAD BEDFORD, NEW HAMPSHIRE 03110		MAPLE DRIVE CROSS SECTIONS 219+52 TO 223+00		NO.		DATE		REVISION DESCRIPTION	
SHEET: 34		OF		41		SCALE: AS SHOWN		DATE: FEBRUARY 3, 2017		PROJ. 12.5-2017	



H: $1'' = 10'$

MAPLE DRIVE
CROSS SECTIONS
223+50 TO 227+00

PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

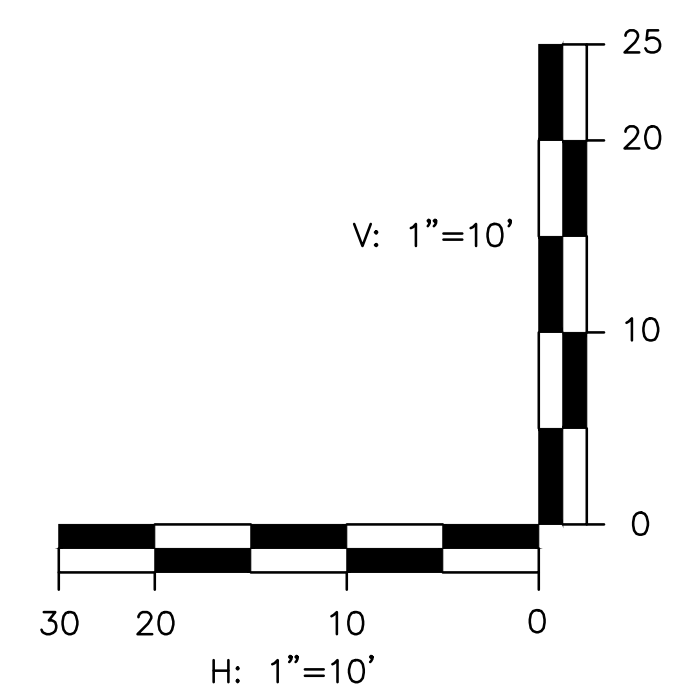
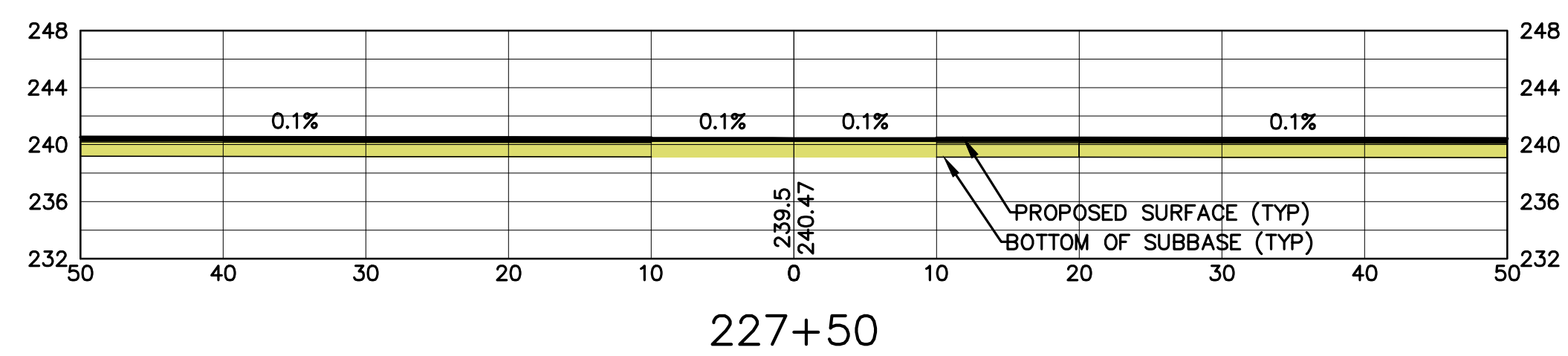
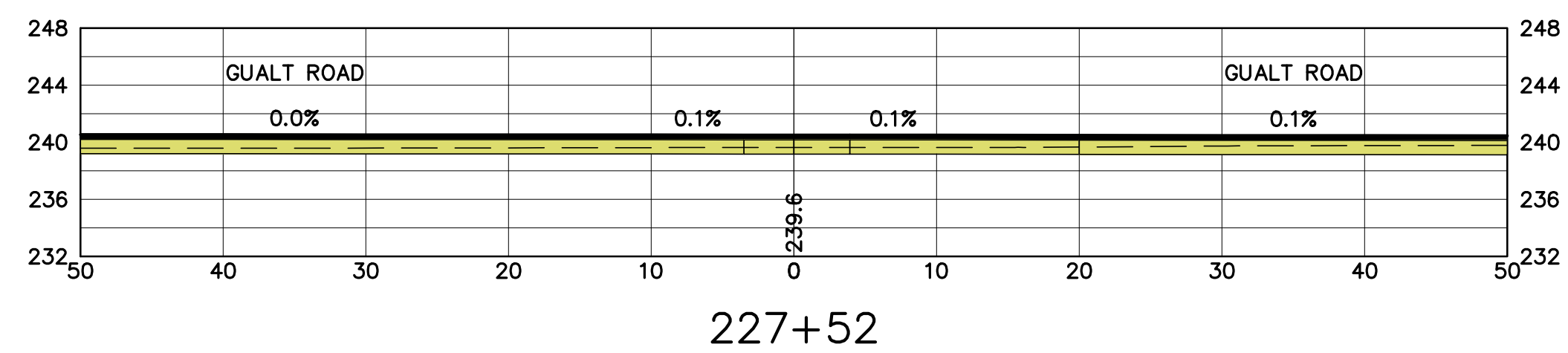
GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE

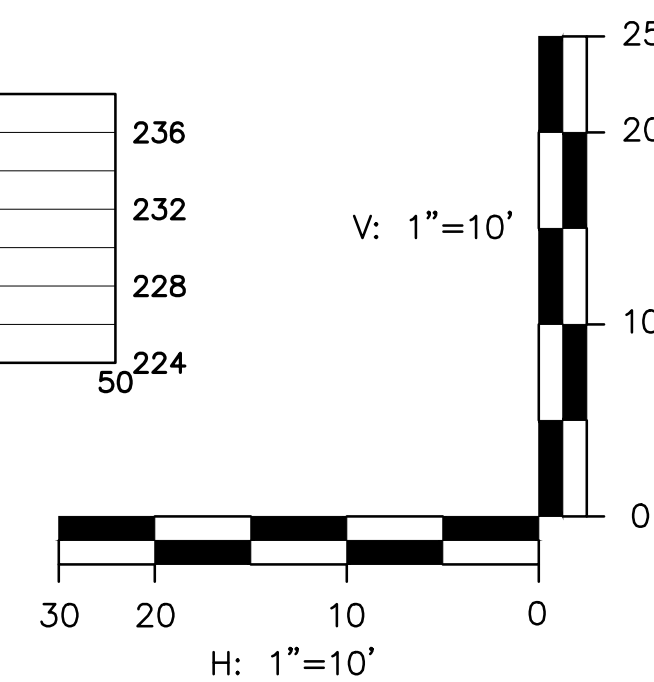
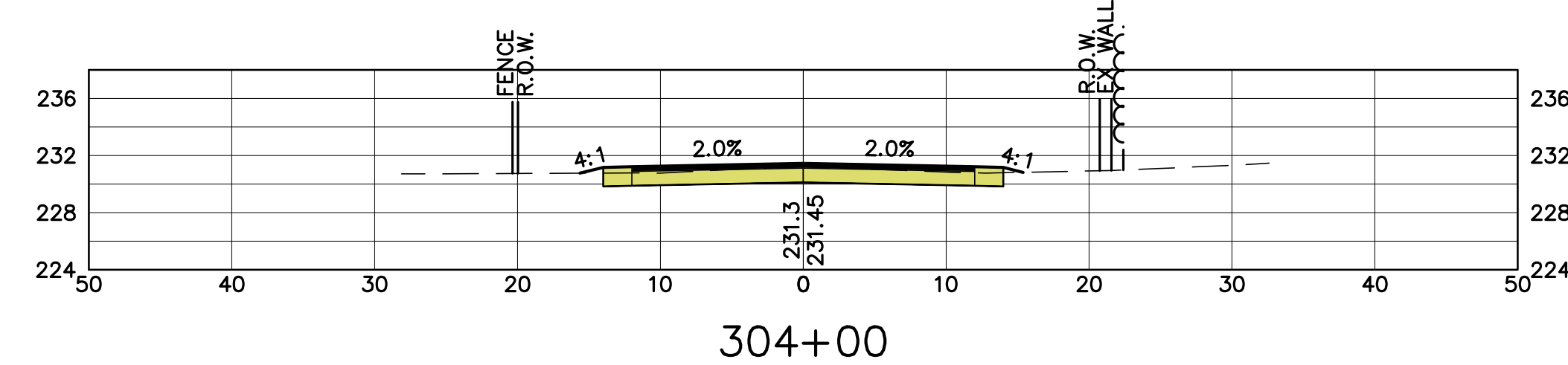
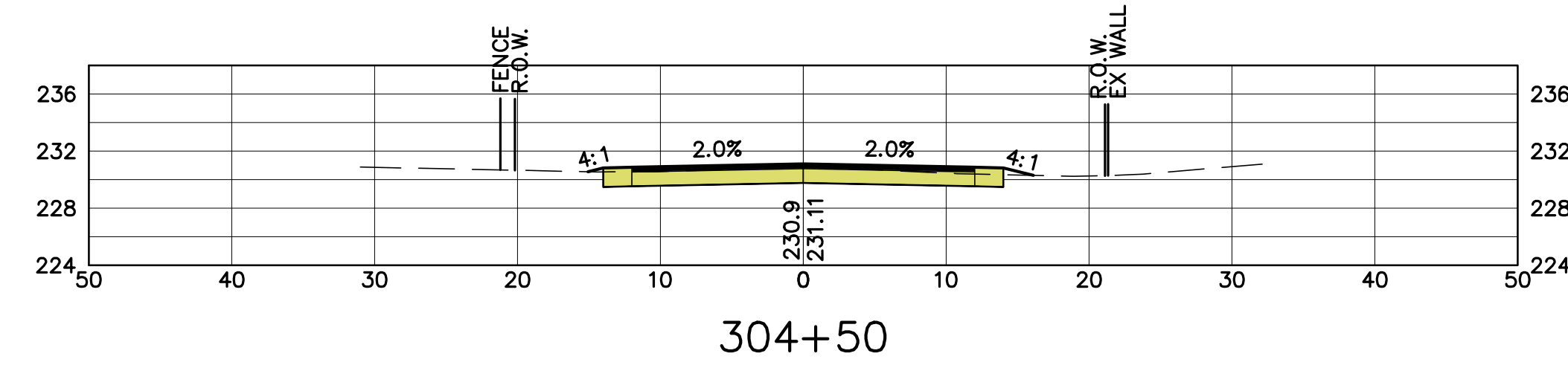
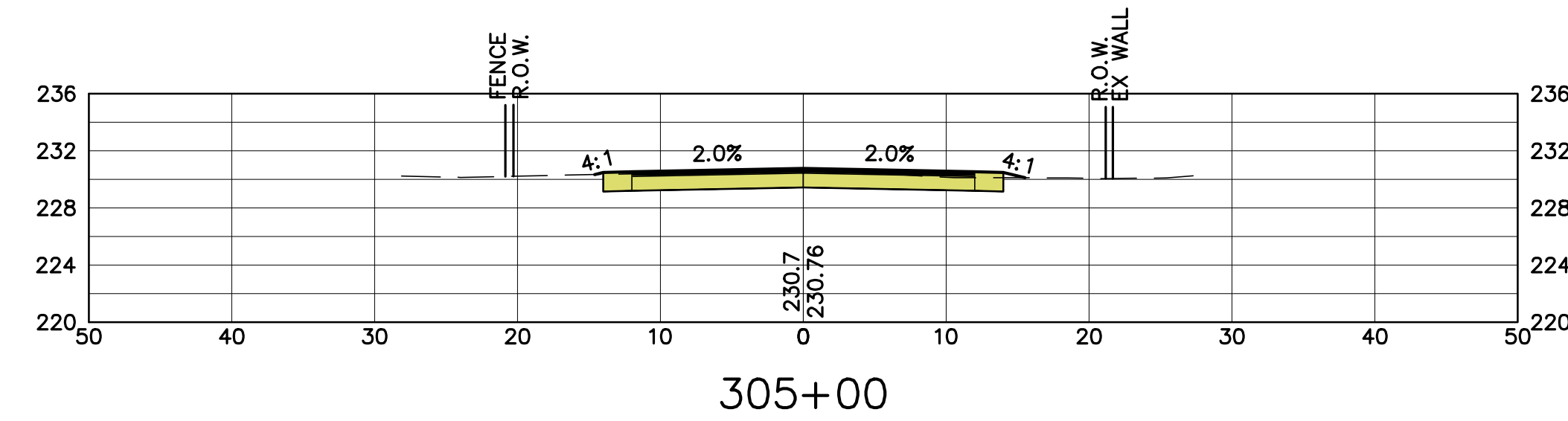
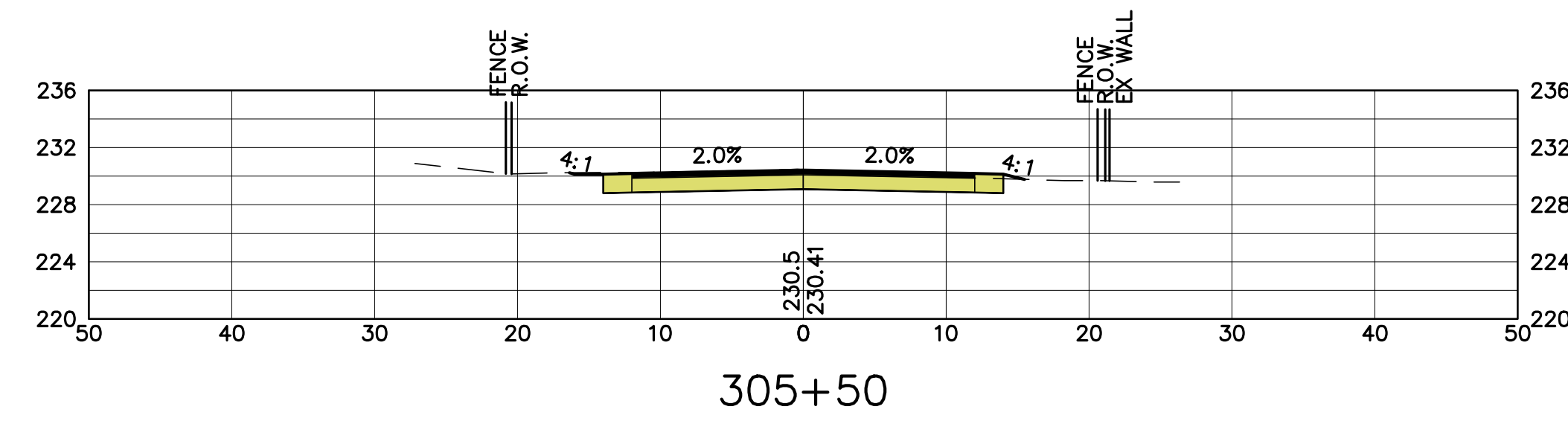
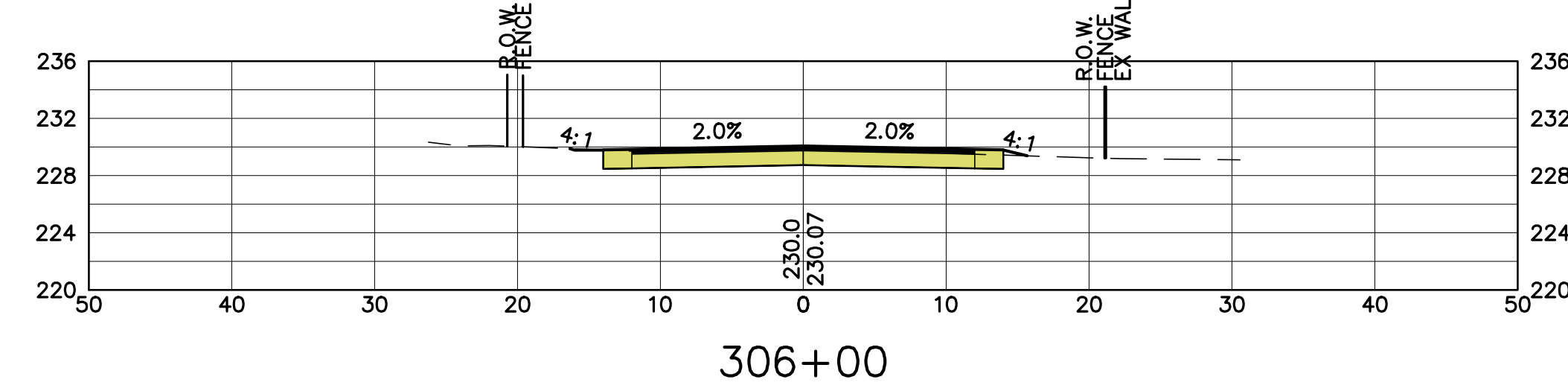
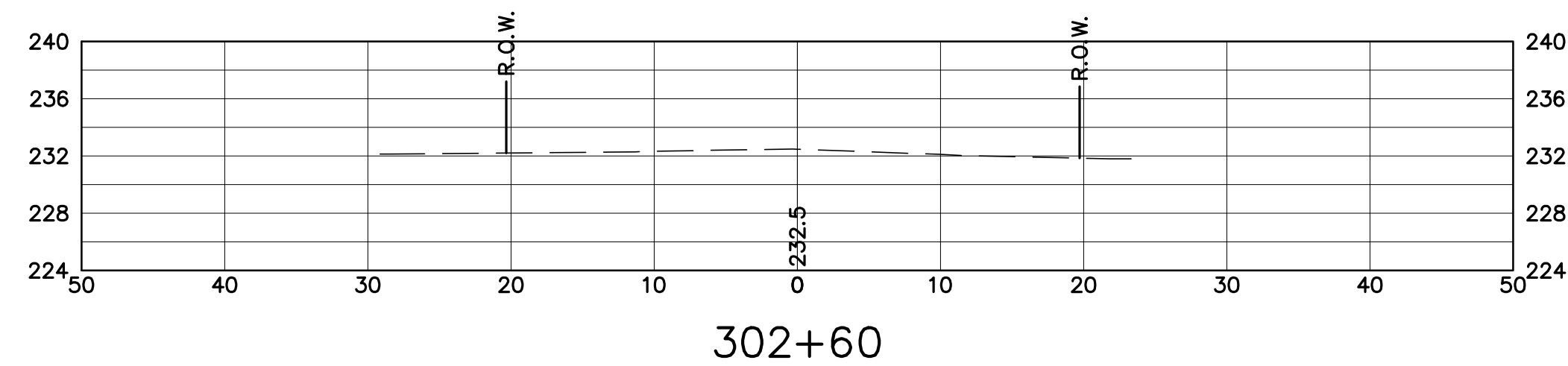
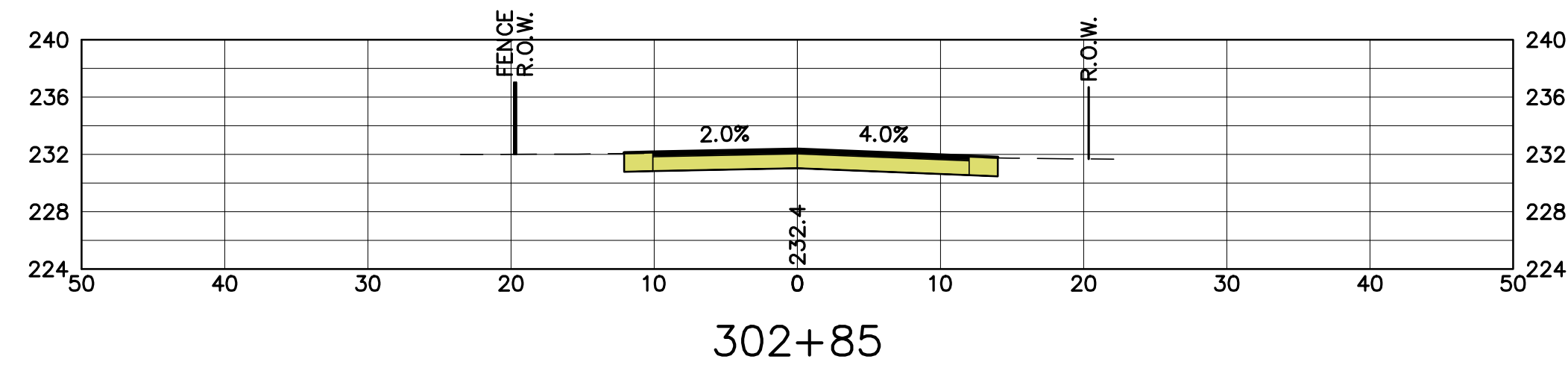
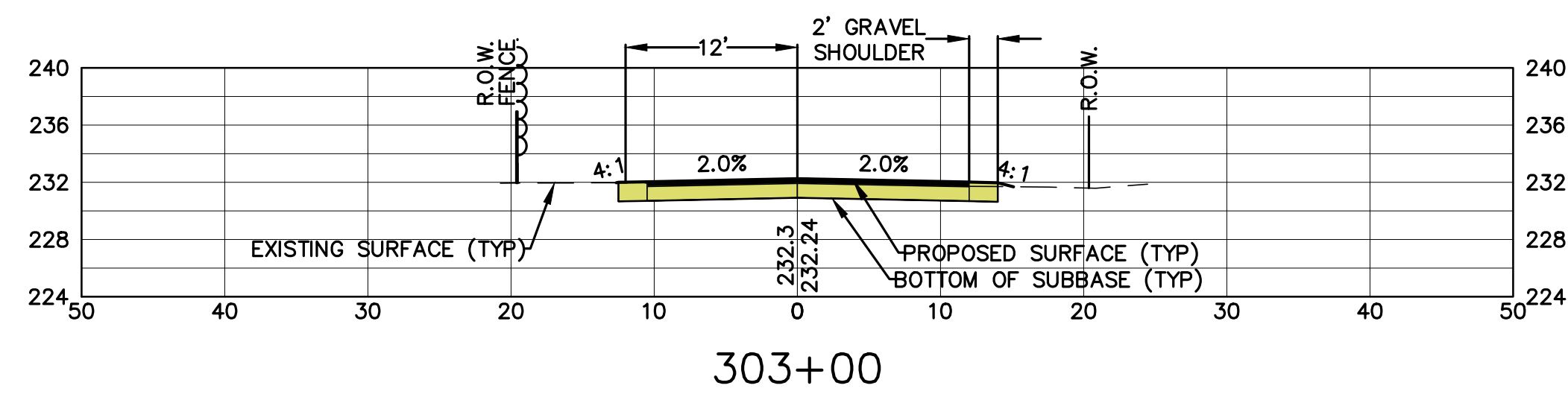
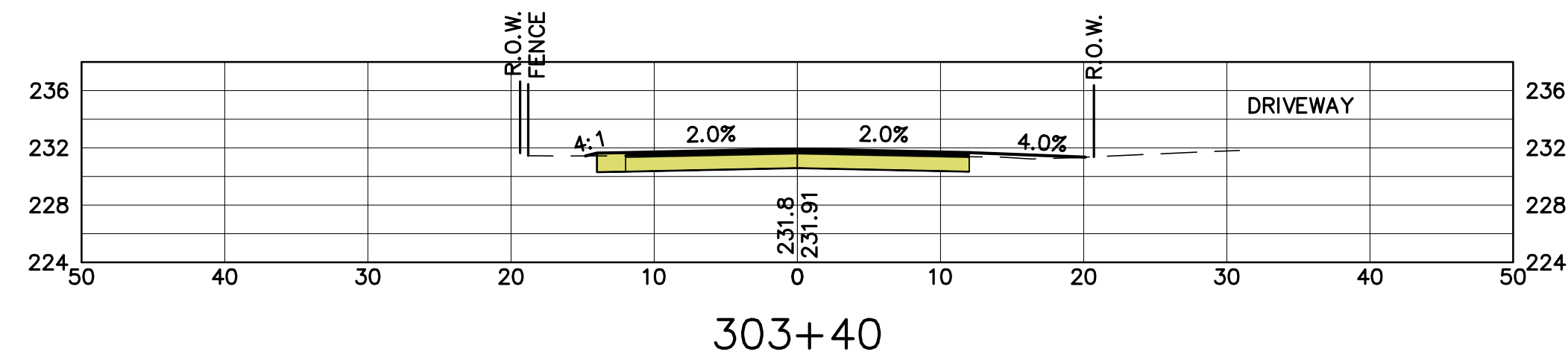
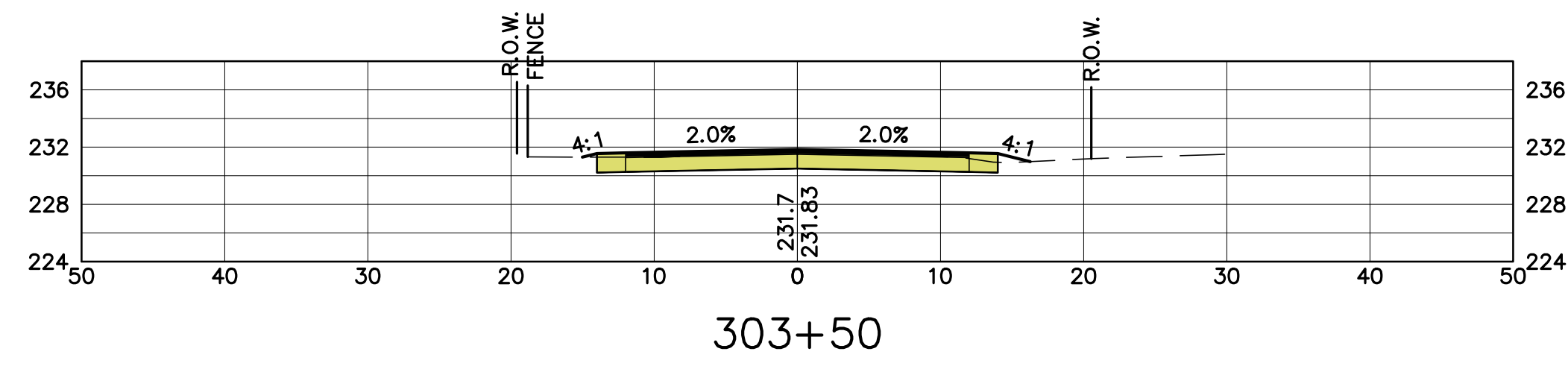
SHEET: 35 OF 41	SCALE: AS SHOWN
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DATE: FEBRUARY 3, 2017

PROJ. 12.5-2017

NO.	DATE	REVISION DESCRIPTION
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[illegible]



V: $1'' = 10'$

PREPARED FOR:

TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

PATTEN ROAD
CROSS SECTIONS
302+60 TO 306+00

GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE

SHEET: 37 OF 41

SCALE: AS SHOWN

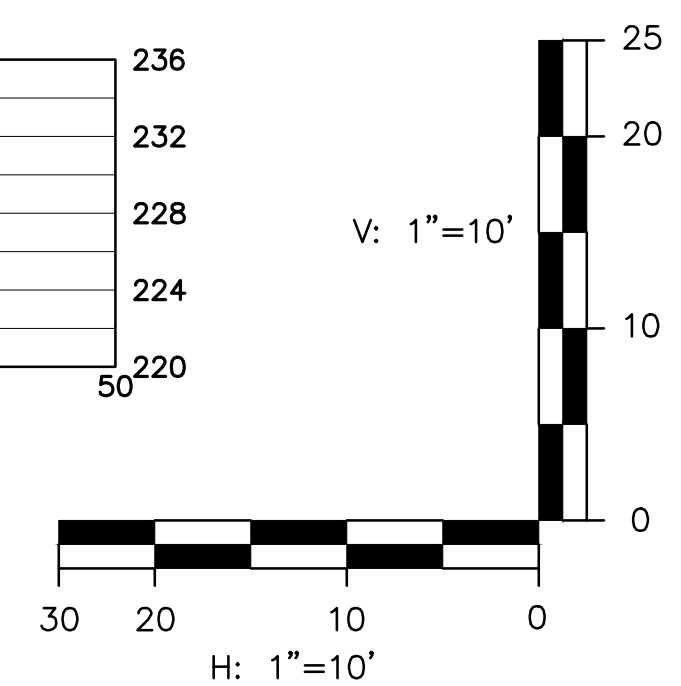
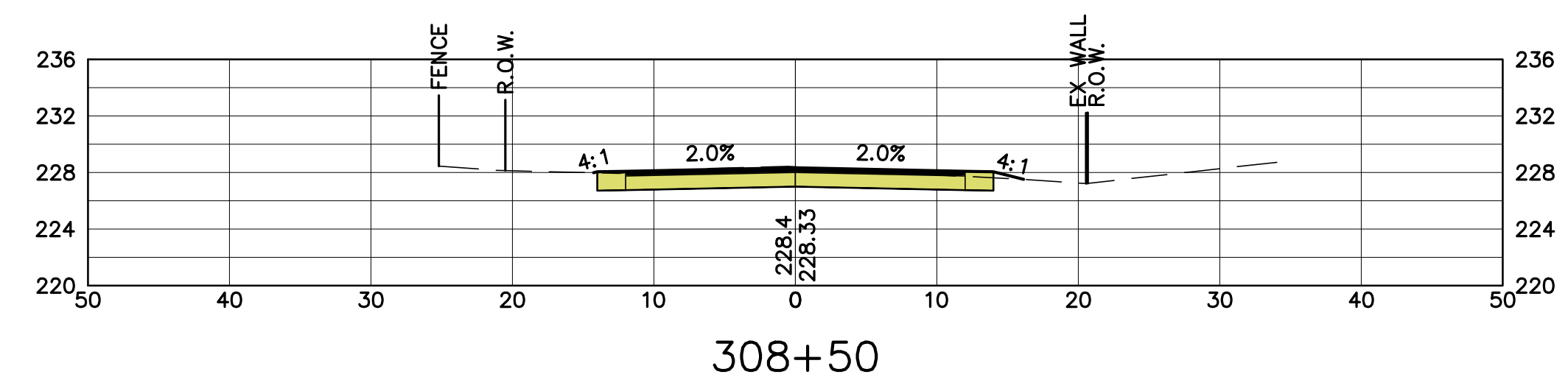
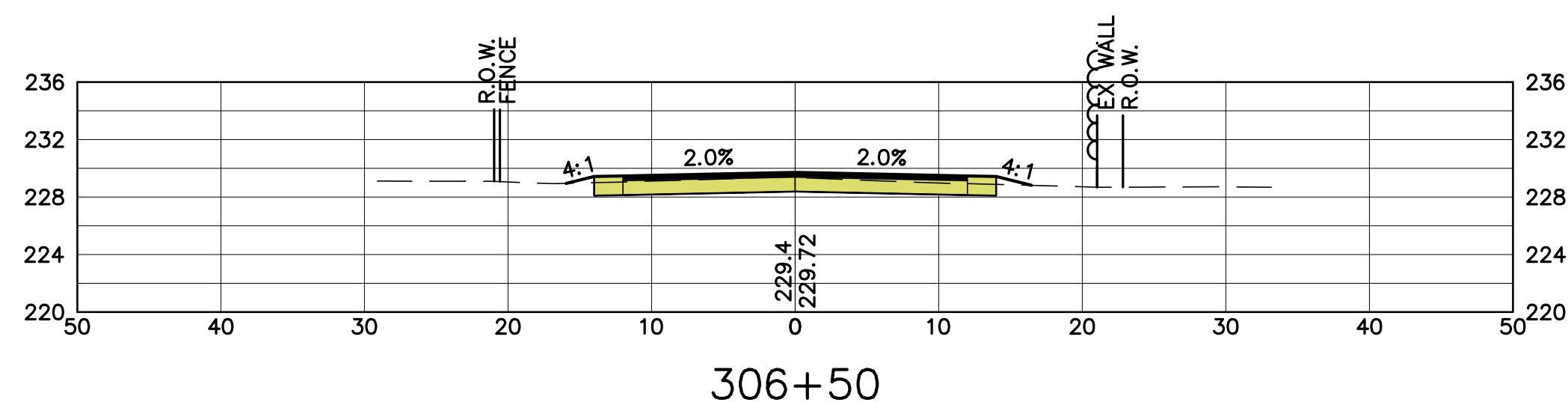
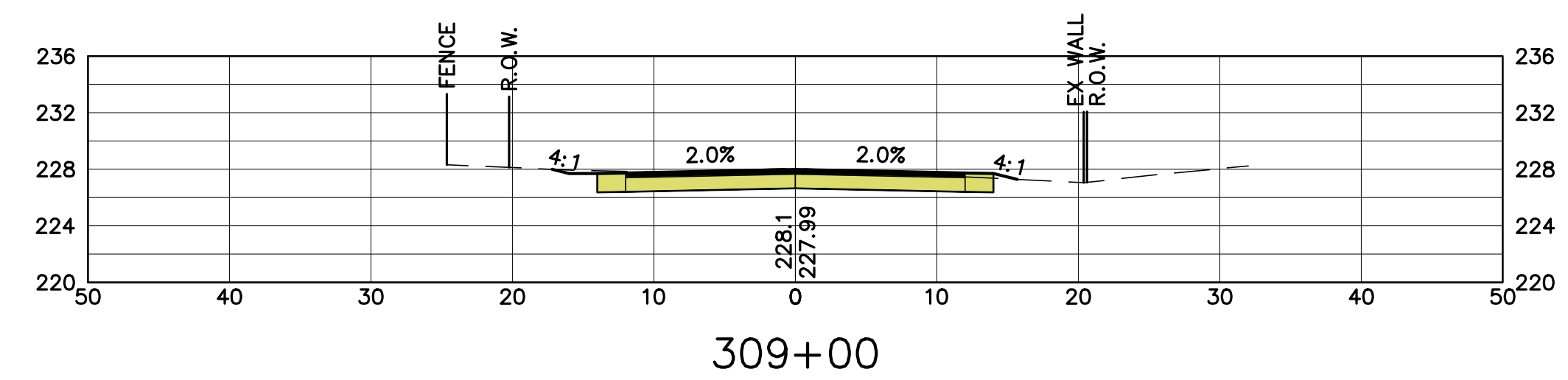
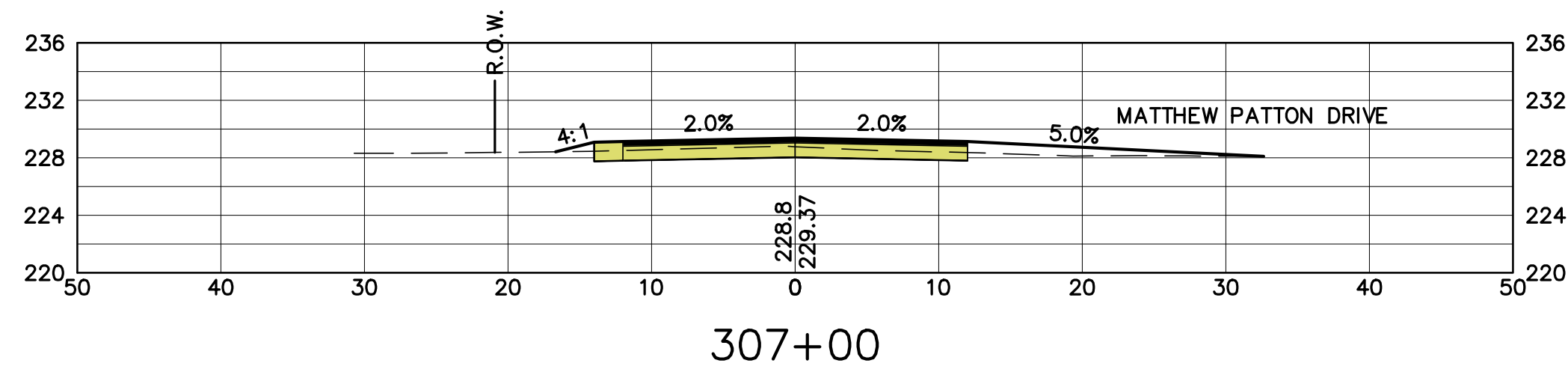
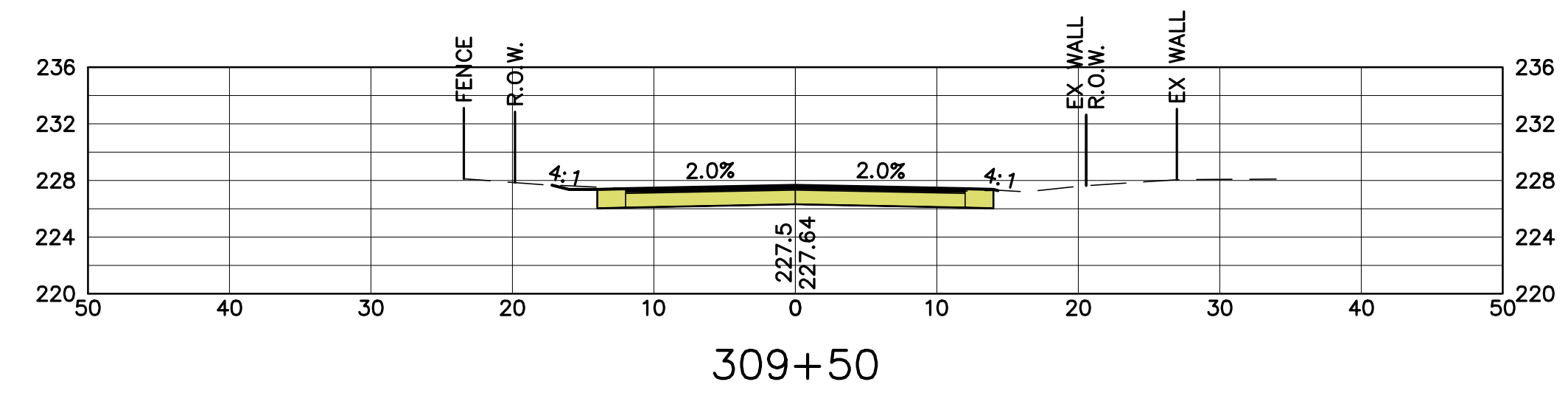
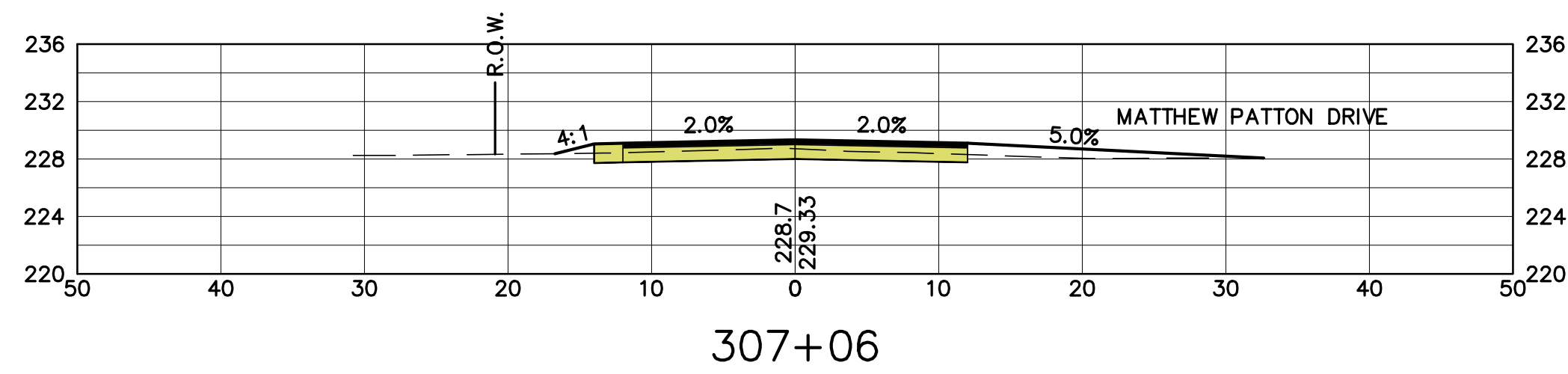
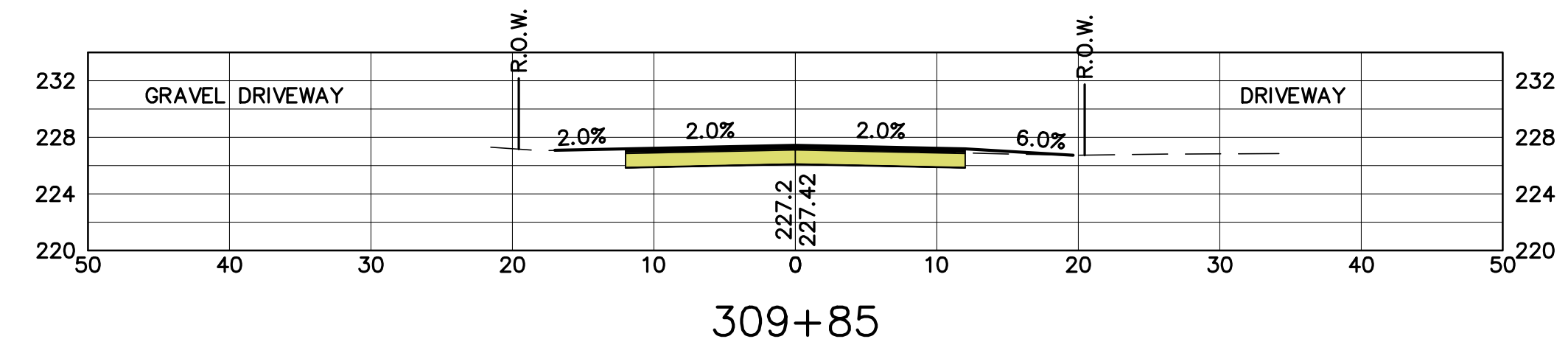
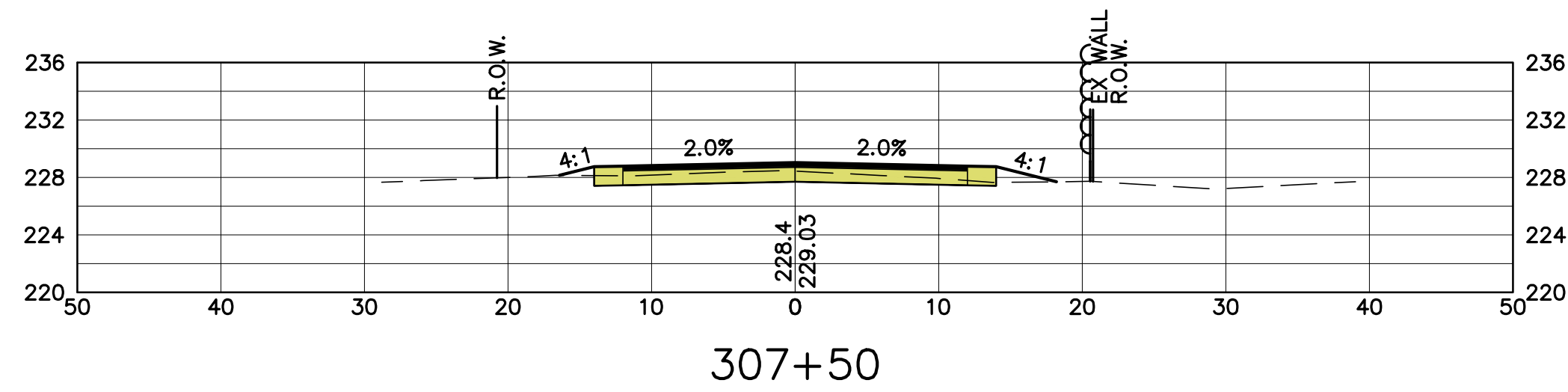
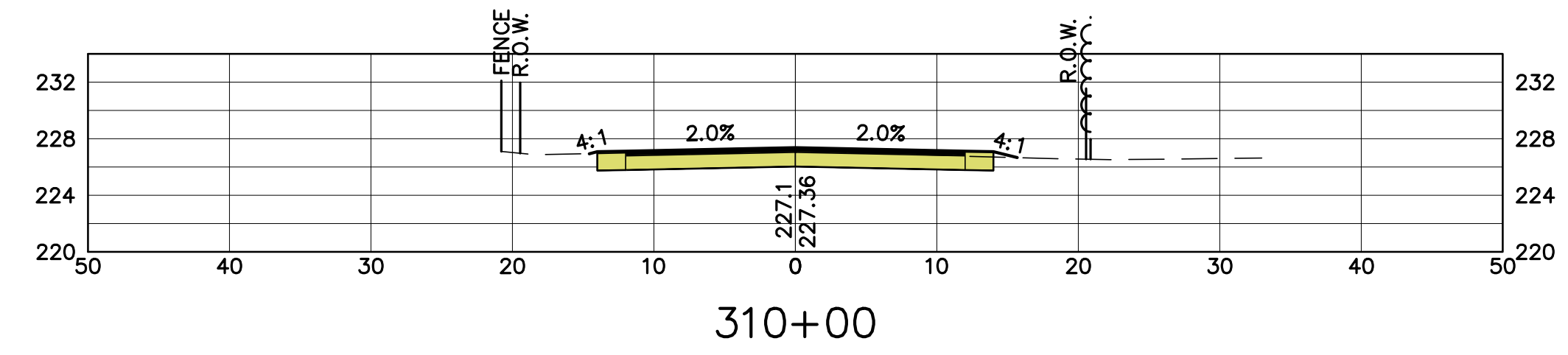
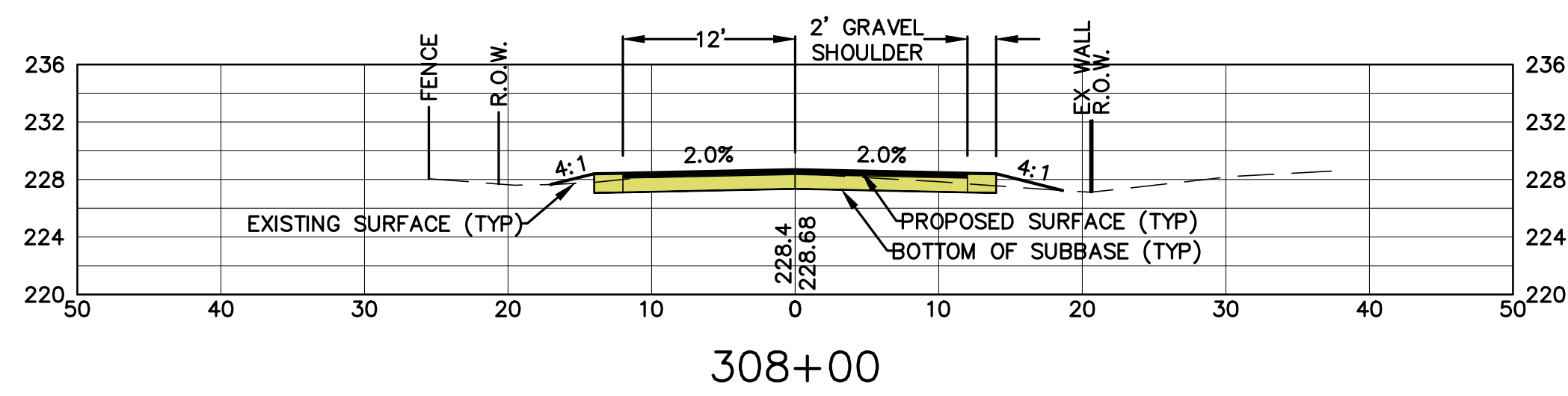
DATE: FEBRUARY 3, 2017

PROJ. 12.5-2017

NO.	DATE
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DATE _____

REVISION	DESCRIPTION
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PATTEN ROAD
CROSS SECTIONS
306+50 TO 310+00

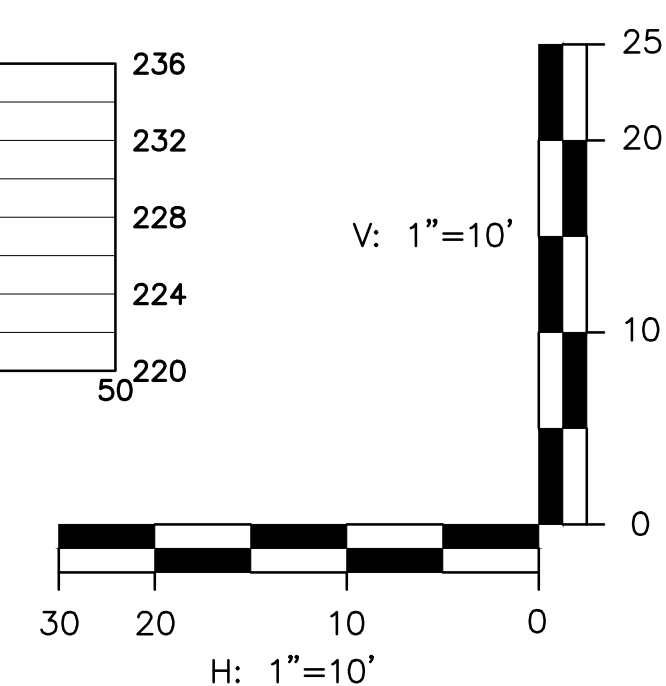
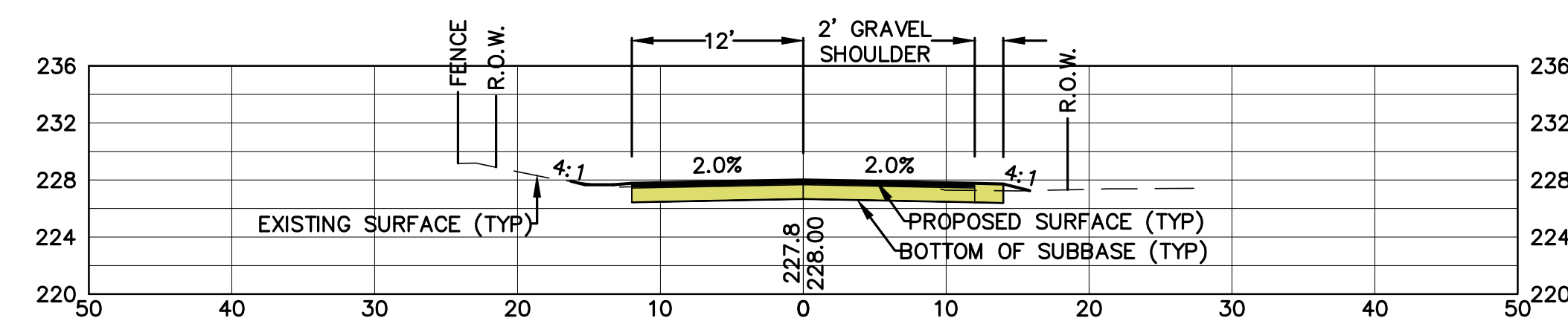
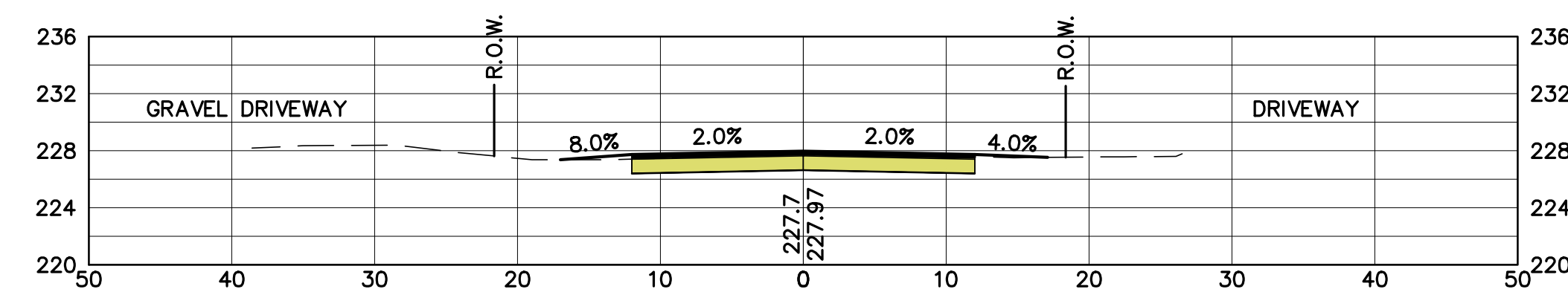
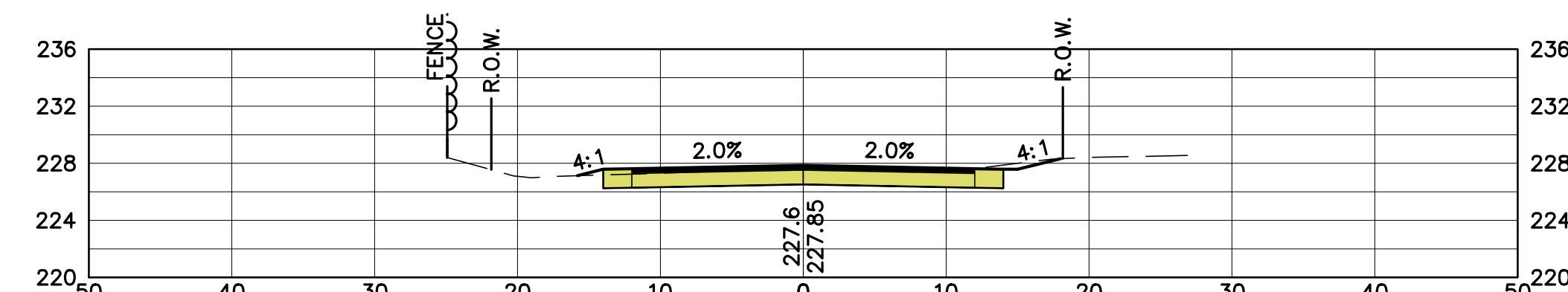
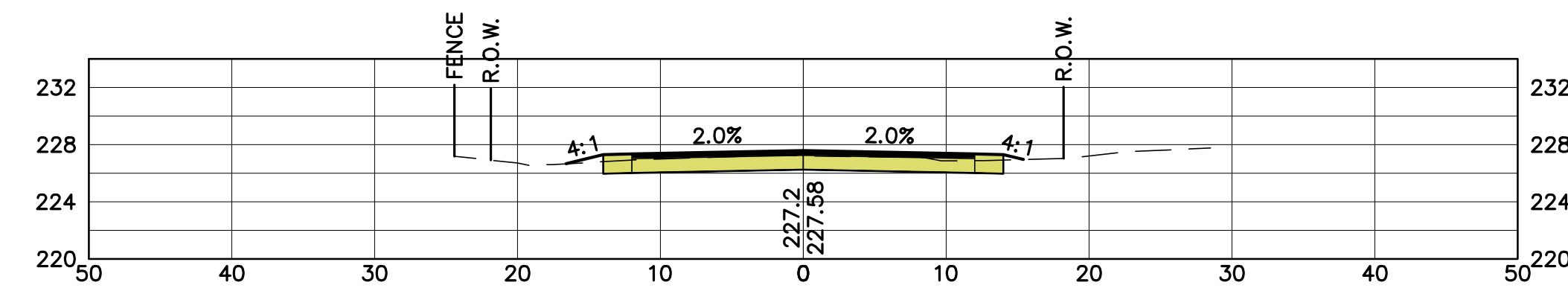
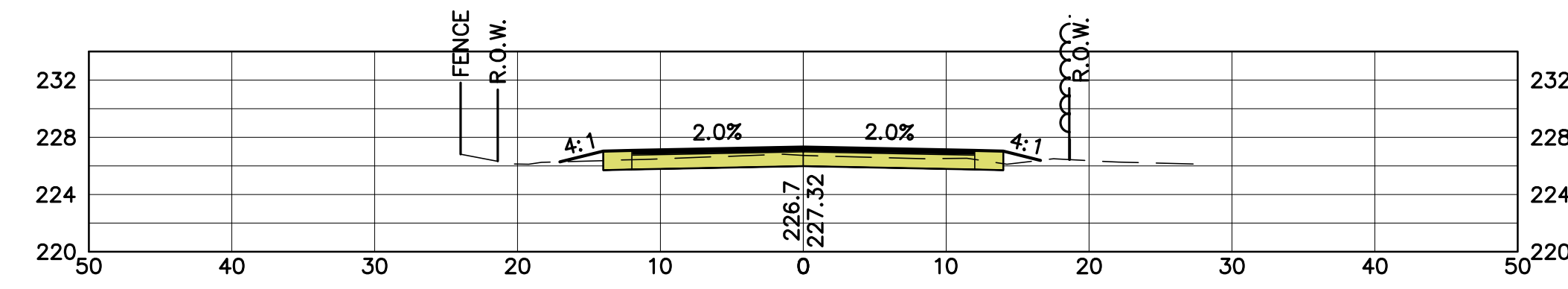
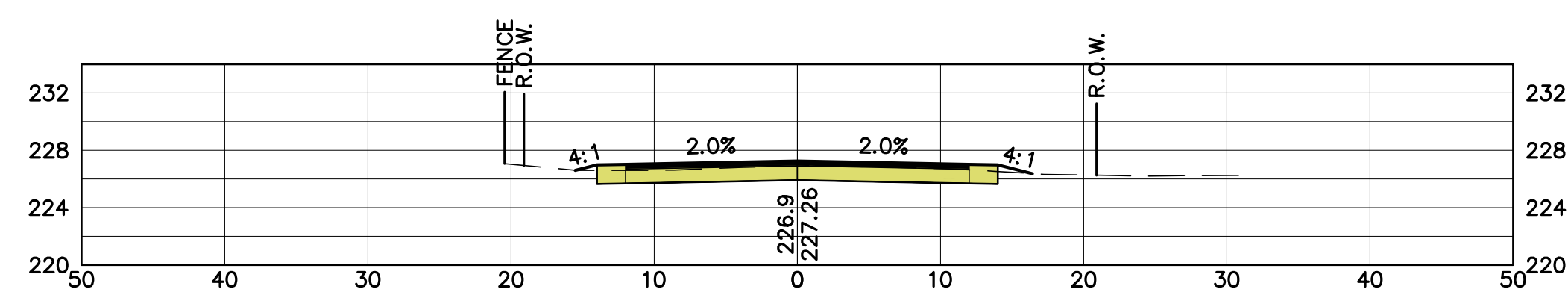
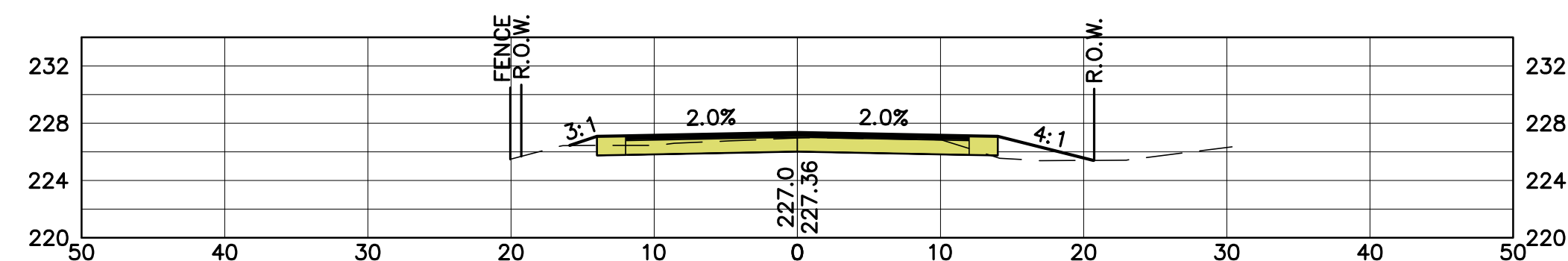
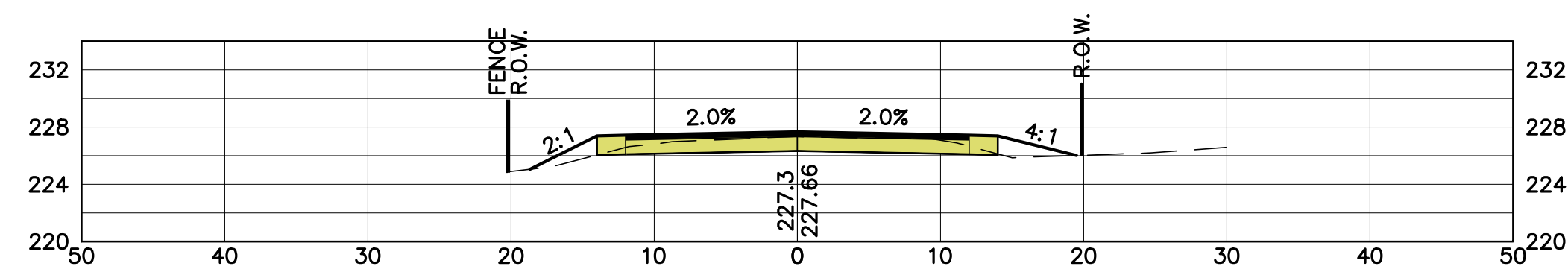
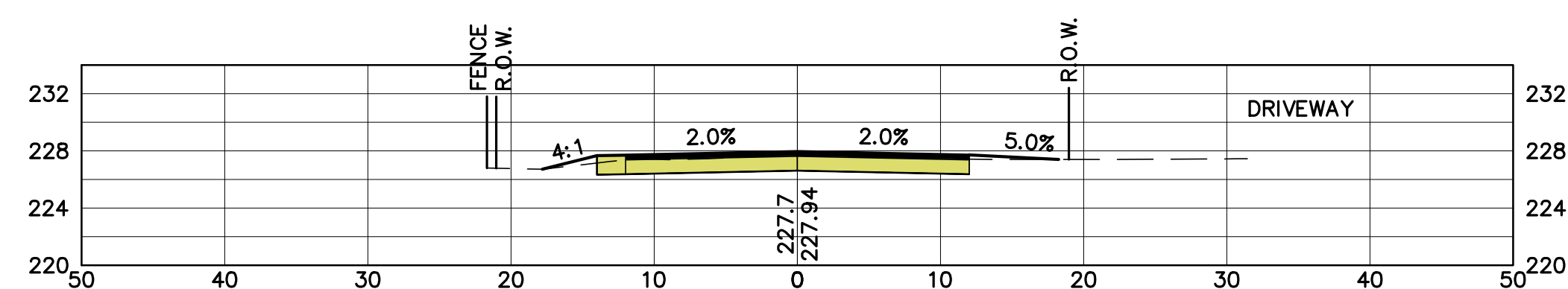
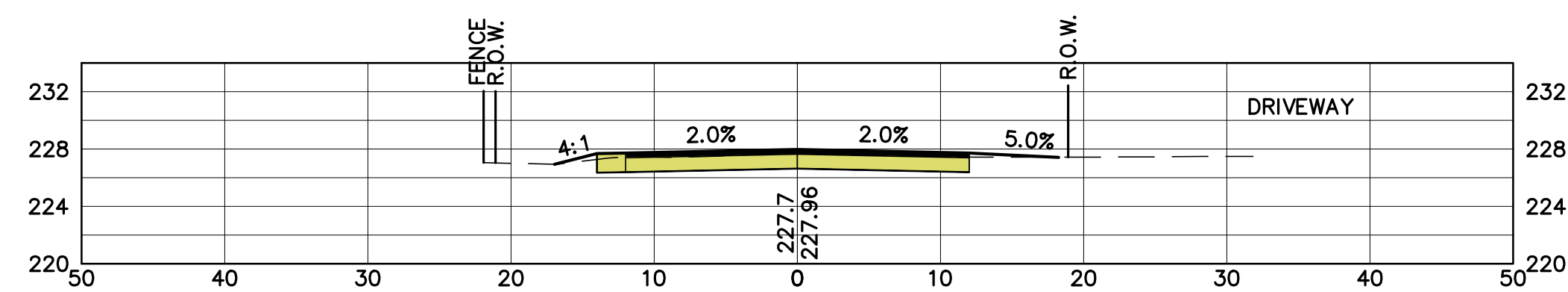
PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION

BEDFORD, NEW HAMPSHIRE

SHEET: 38 OF 41	SCALE: AS SHOWN	DATE: FEBRUARY 3, 2017	PROJ. 12.5-2017
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NO.	DATE	REVISION DESCRIPTION
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V: $1'' = 10'$

PATTEN ROAD
CROSS SECTIONS
310+50 TO 314+00

PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

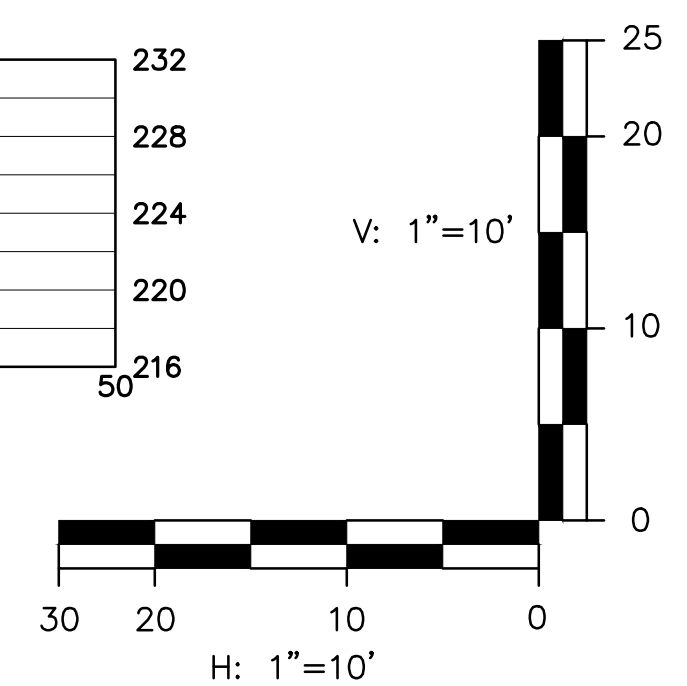
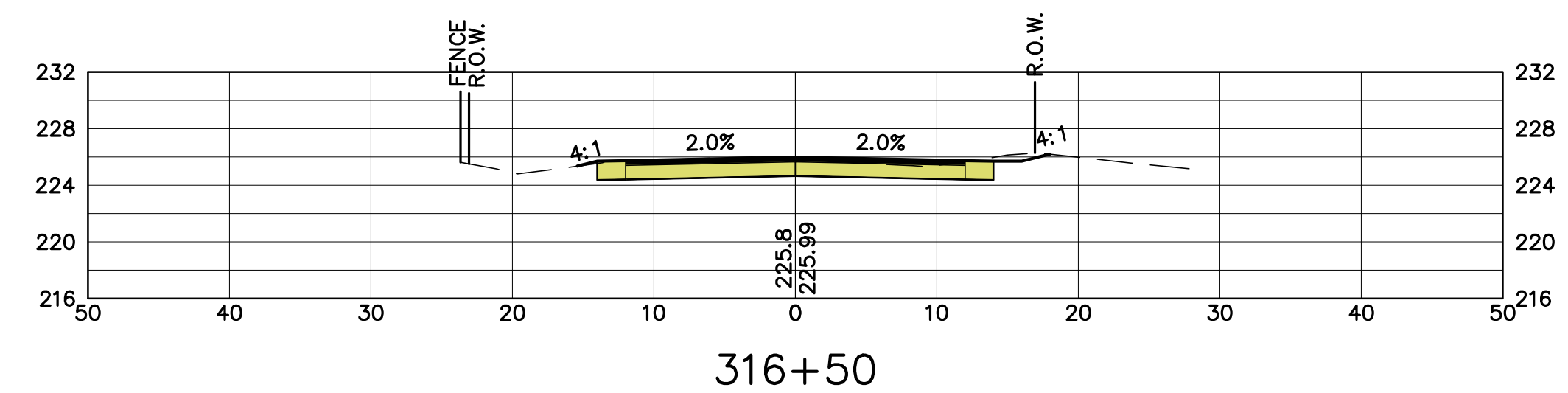
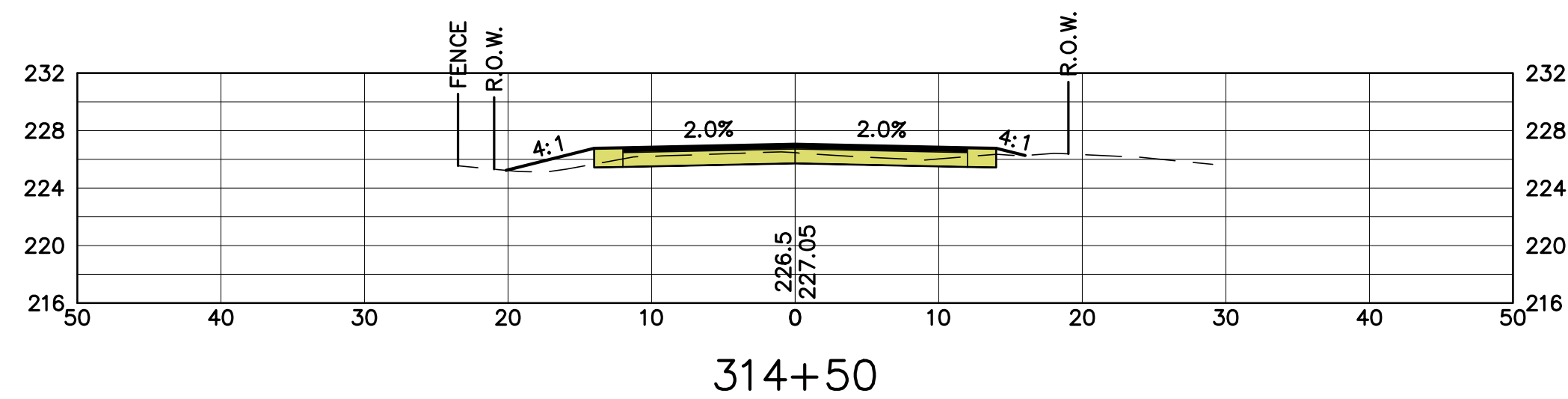
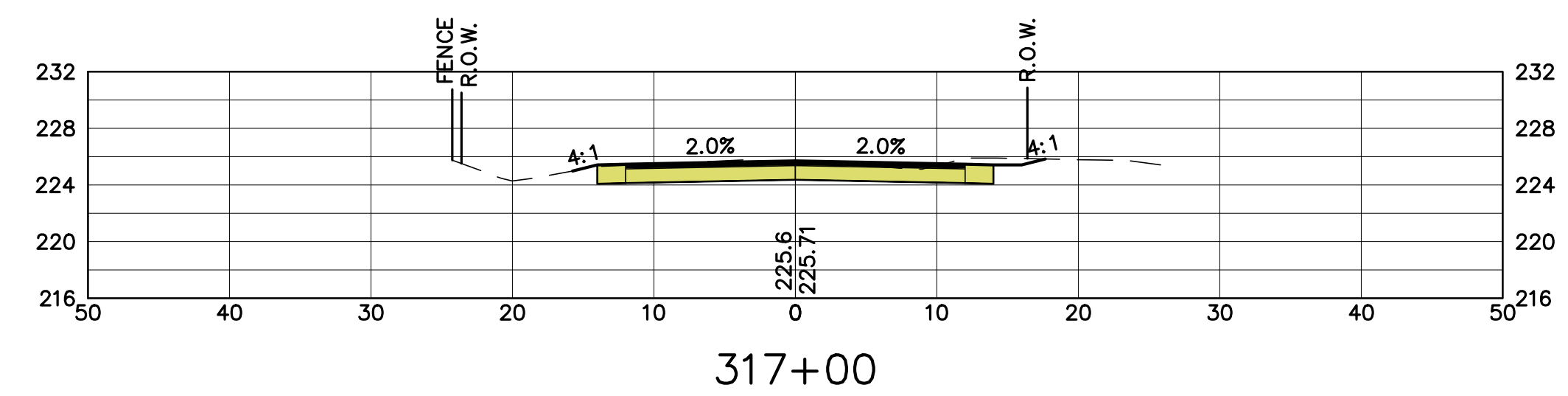
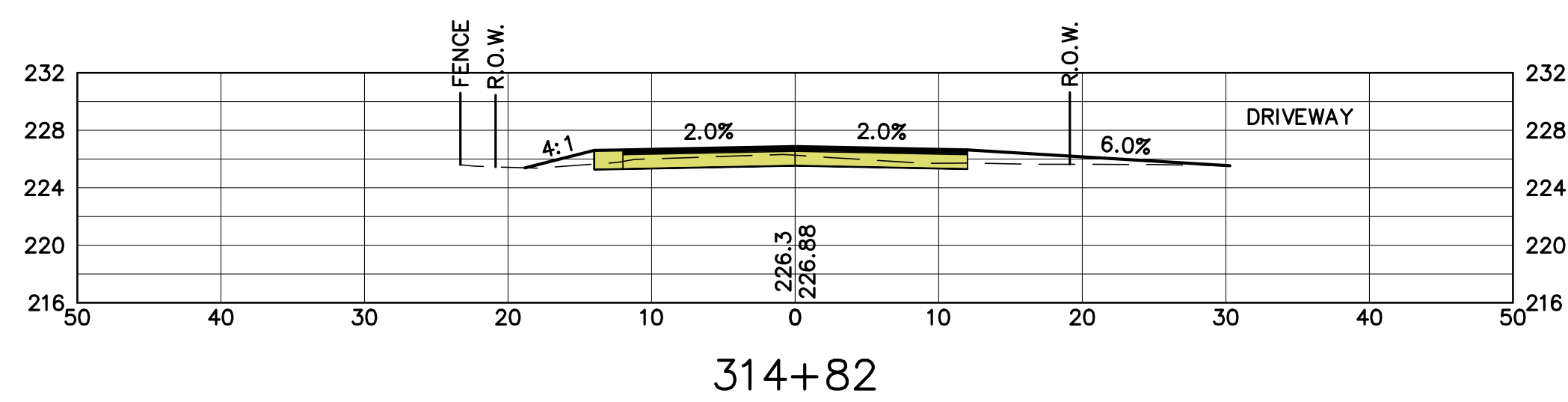
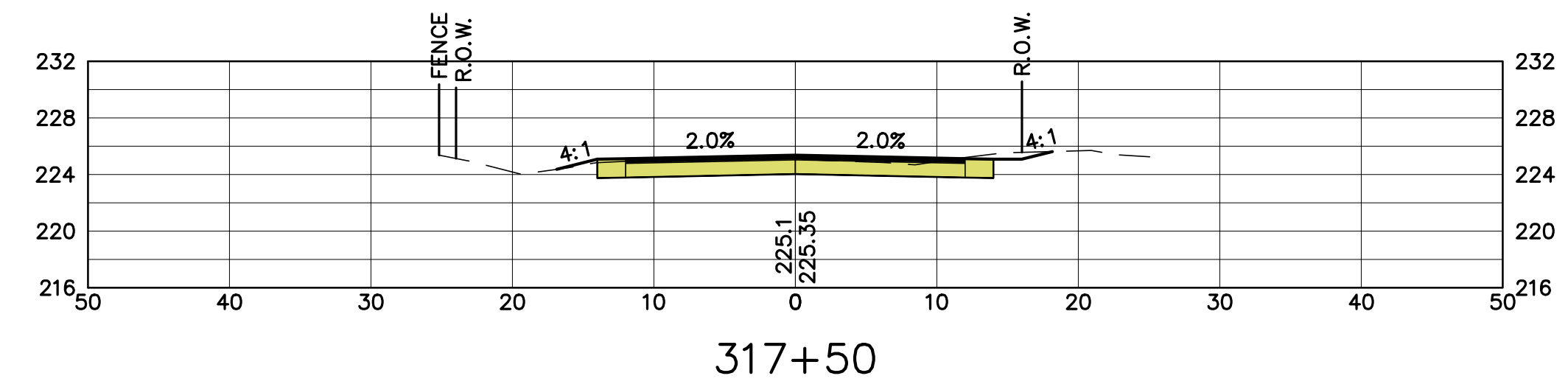
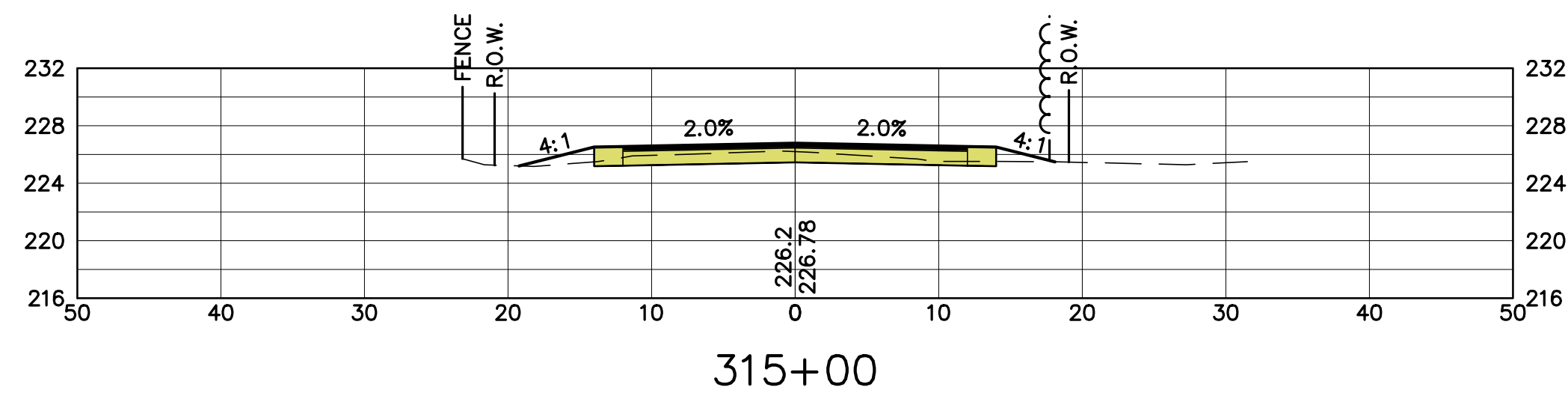
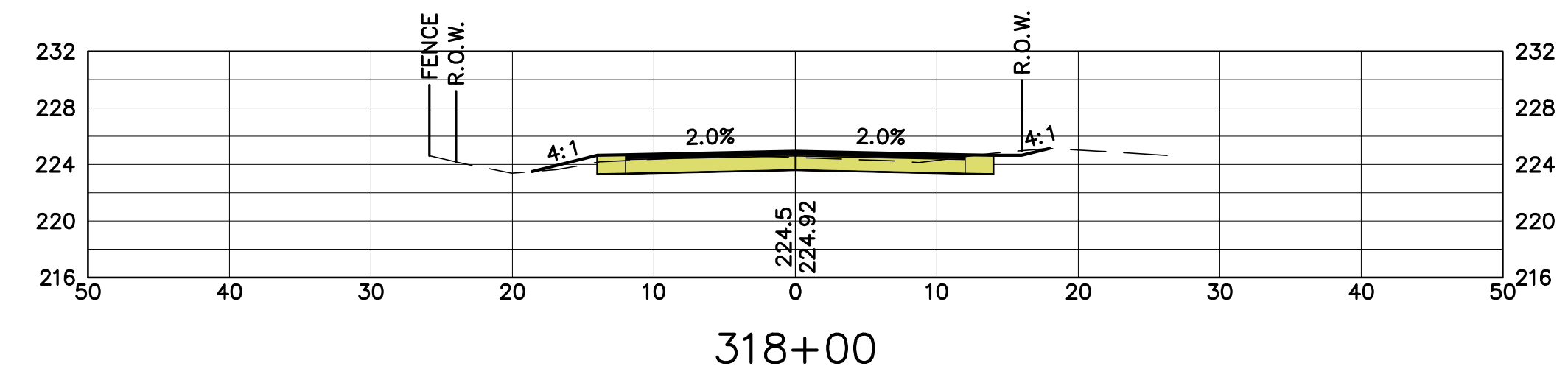
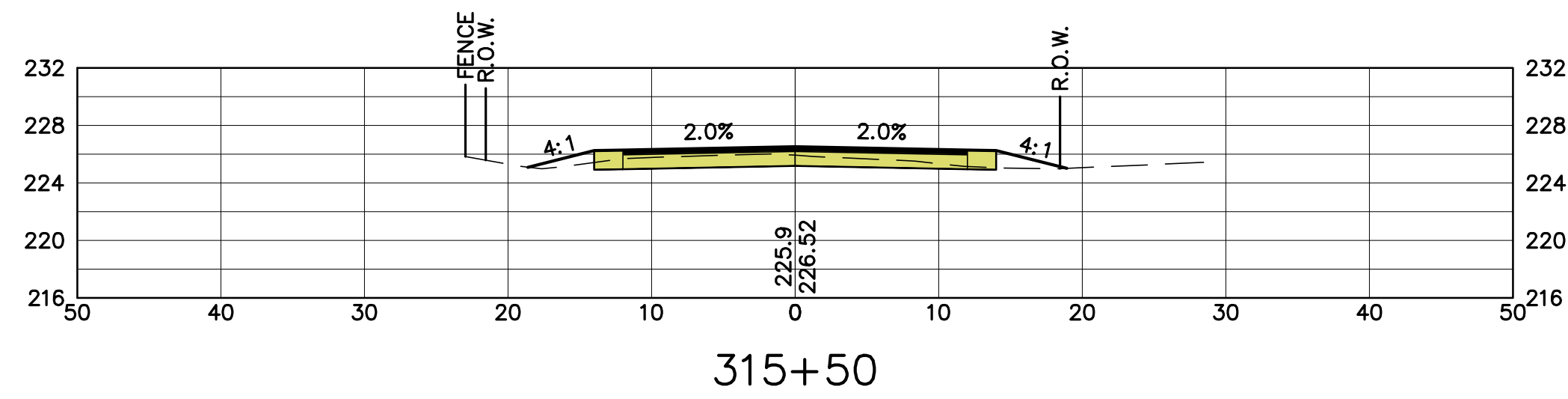
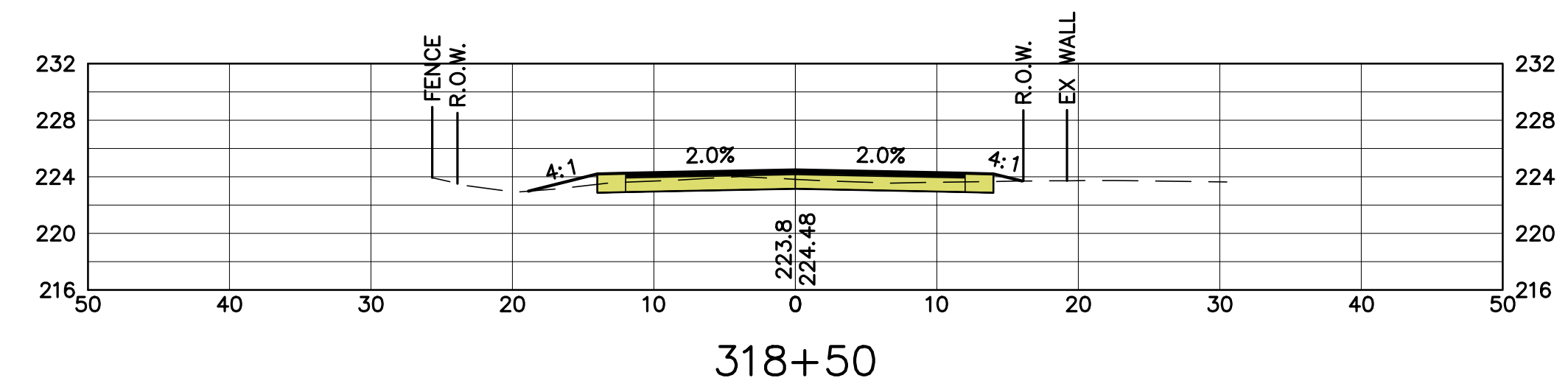
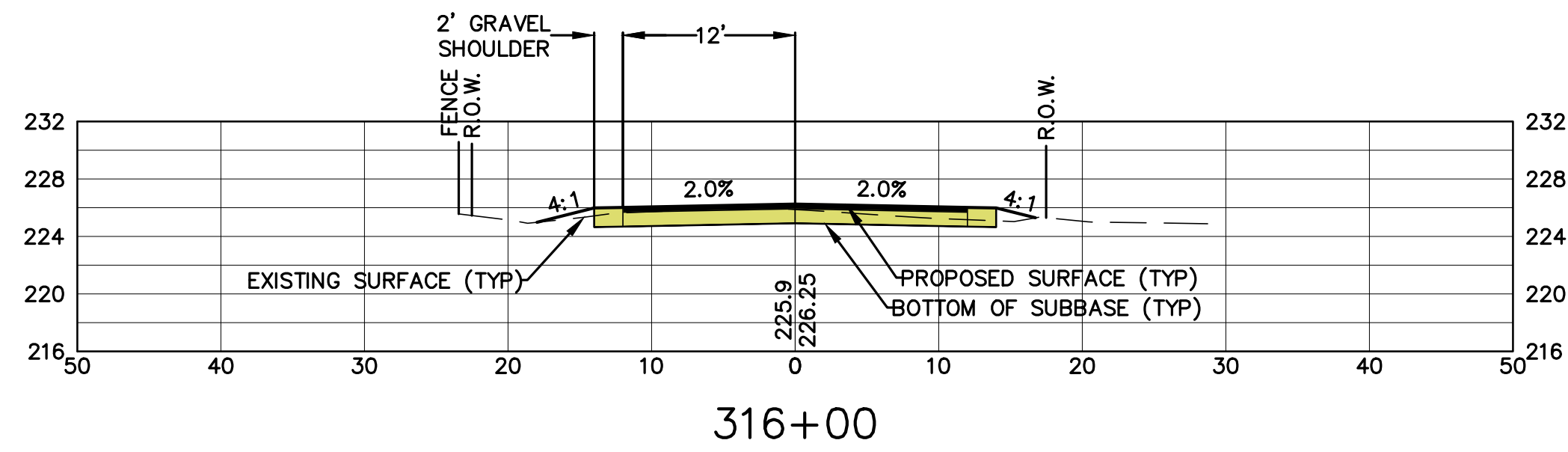
GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION

SHEET: 39 OF 41	SCALE: AS SHOWN
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DATE: FEBRUARY 3, 2017

PROJ. 12.5-2017

NO.	DATE	REVISION DESCRIPTION
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PATTEN ROAD
CROSS SECTIONS
314+50 TO 318+50

PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

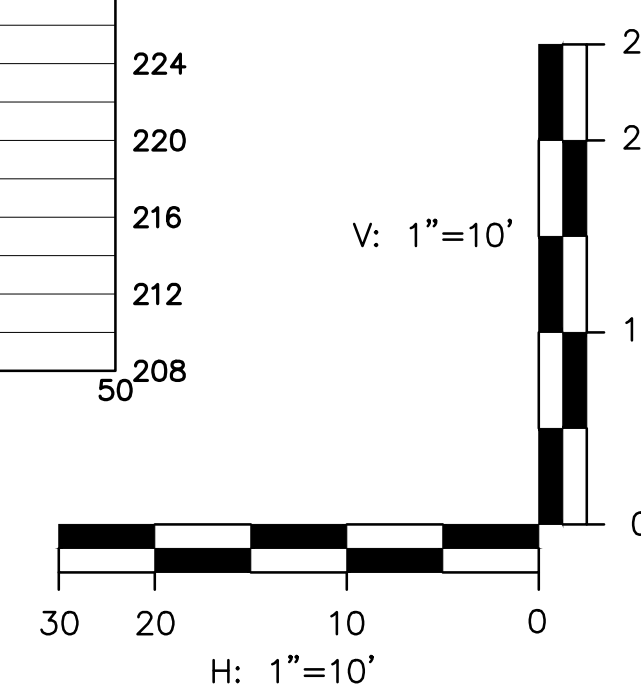
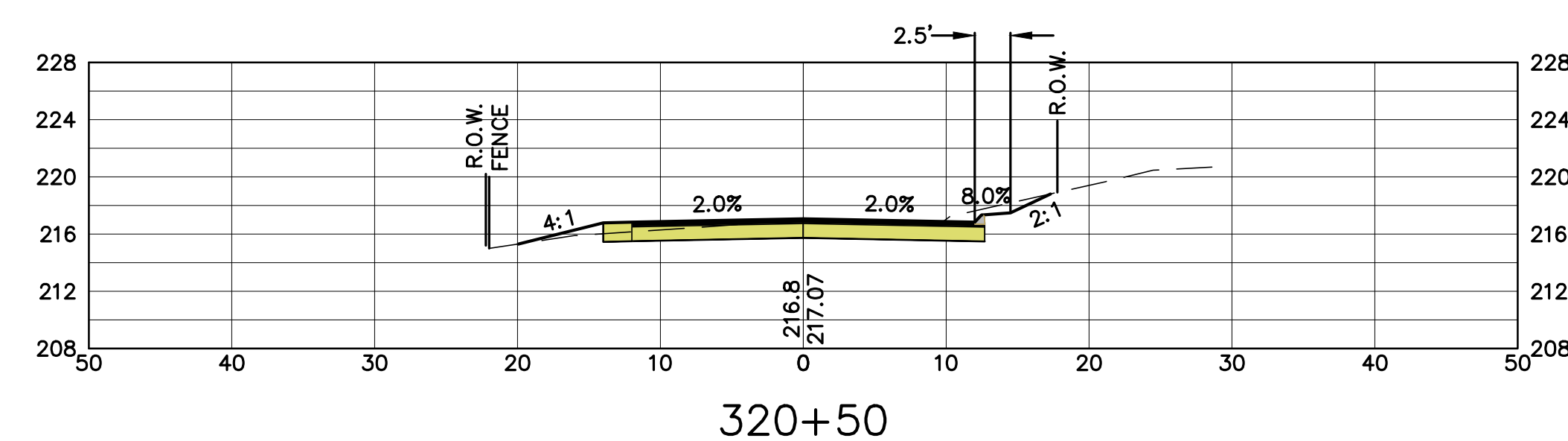
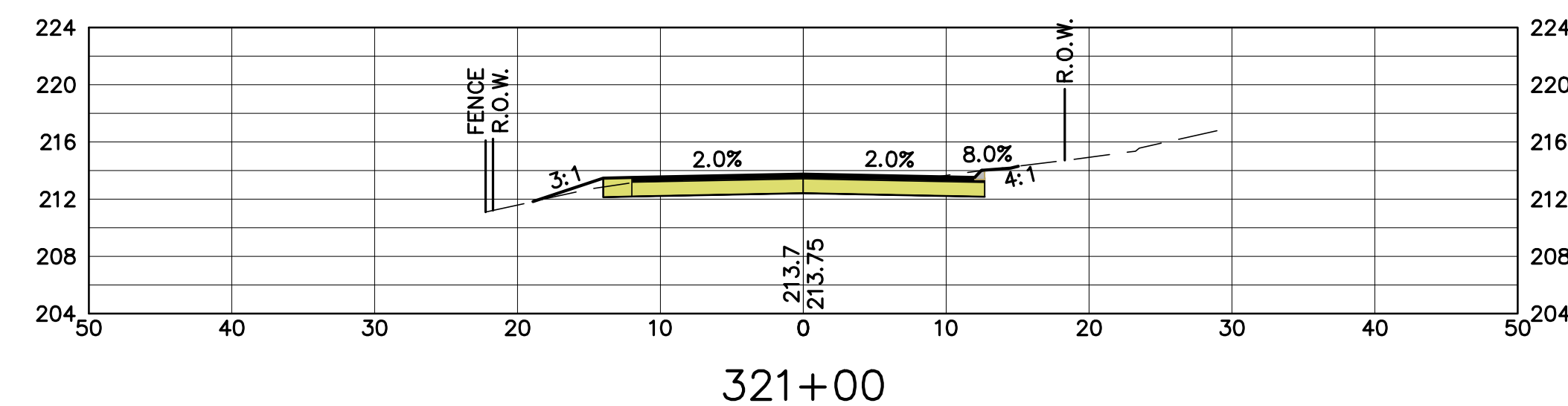
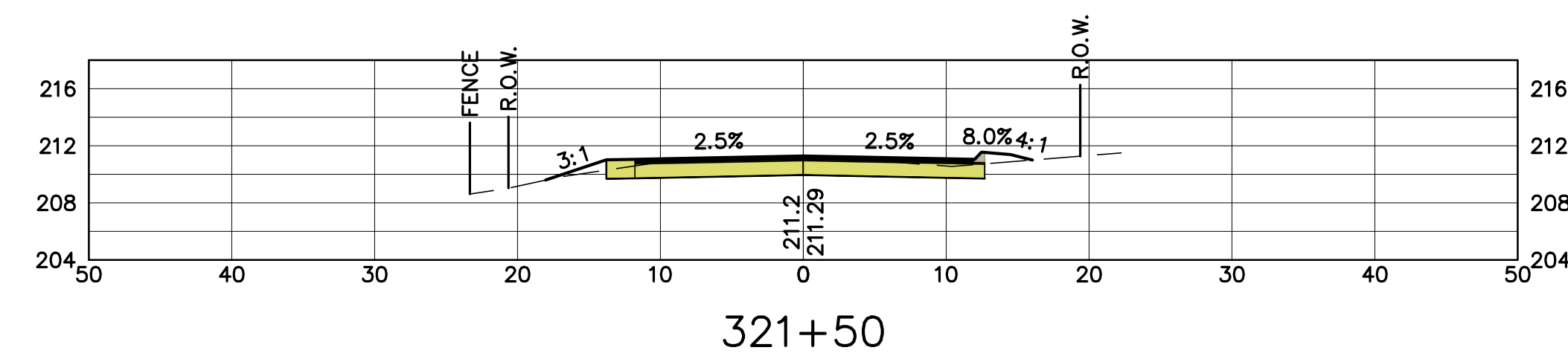
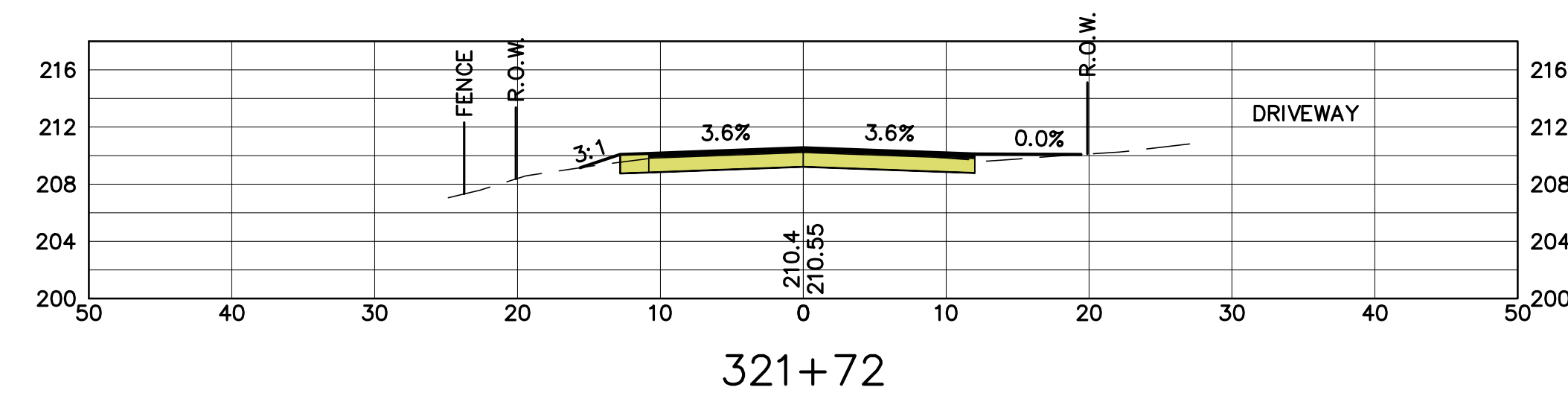
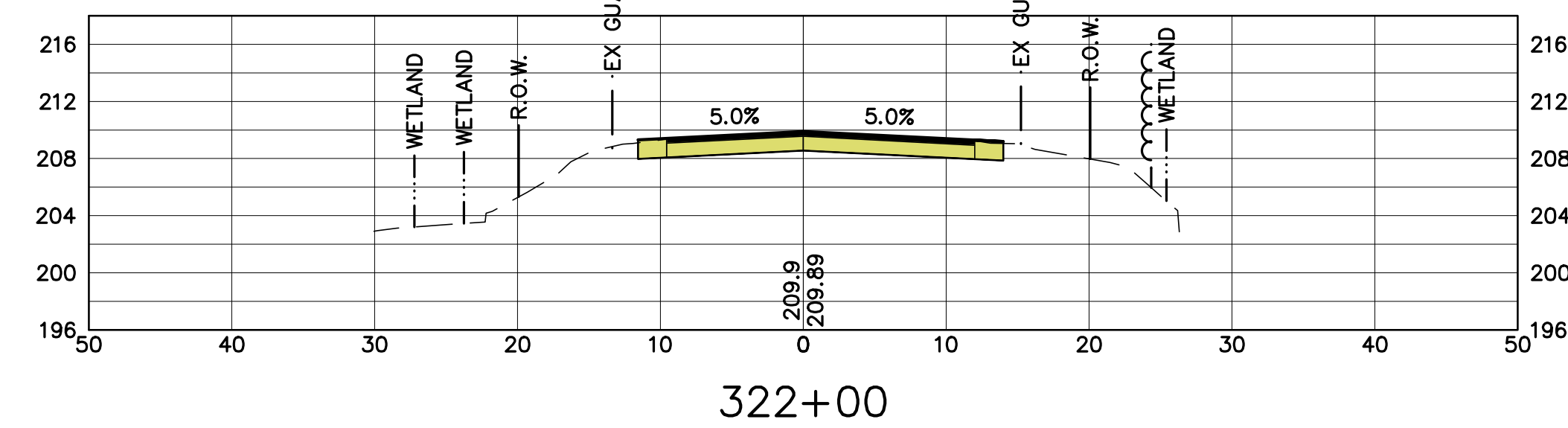
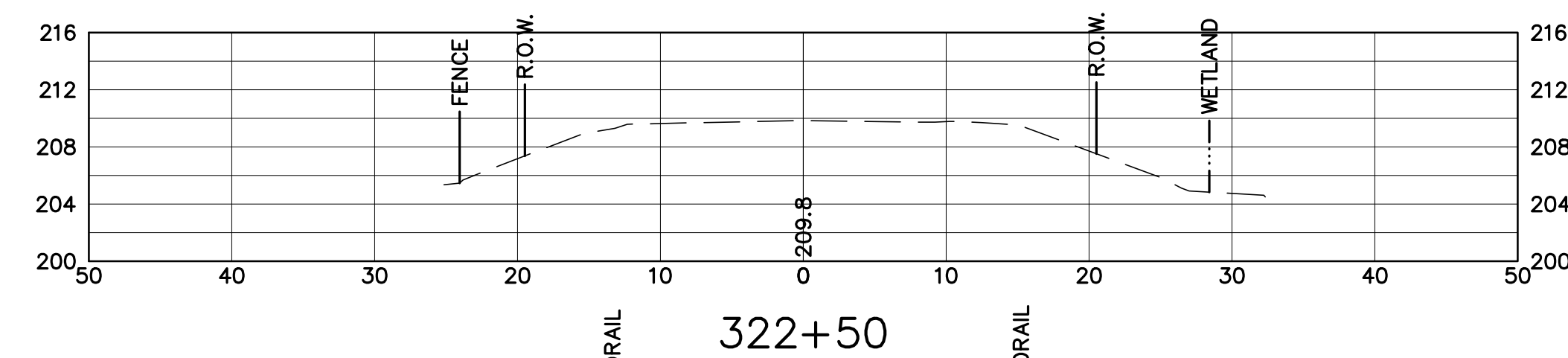
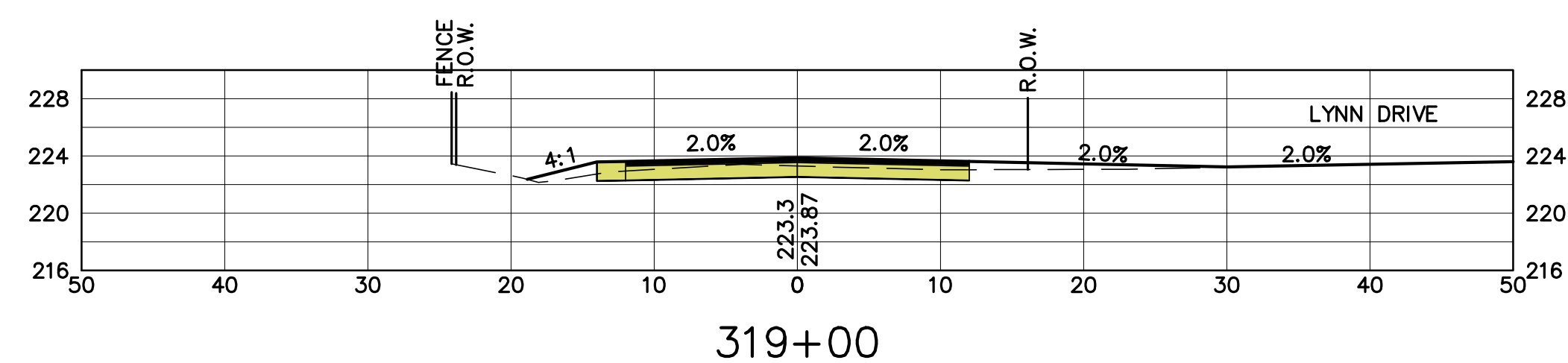
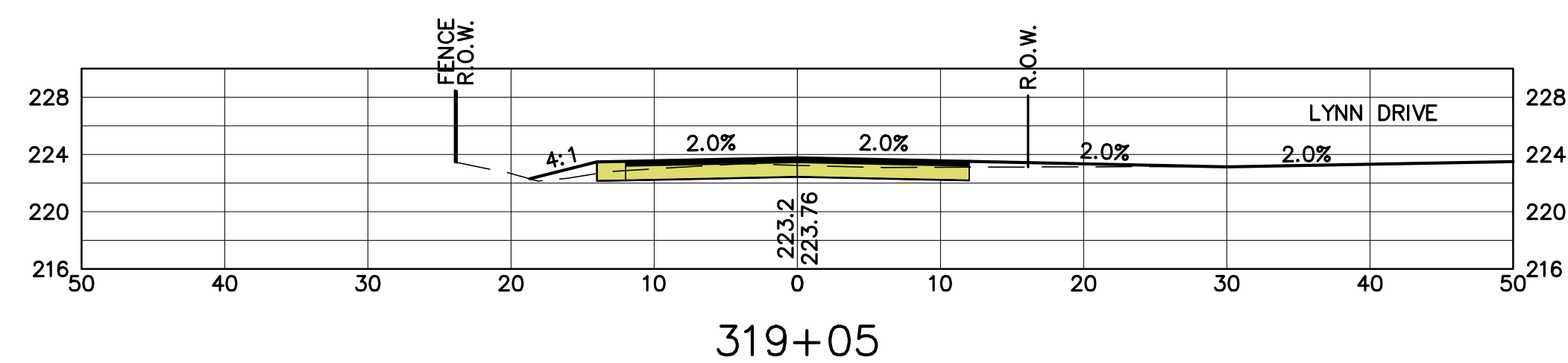
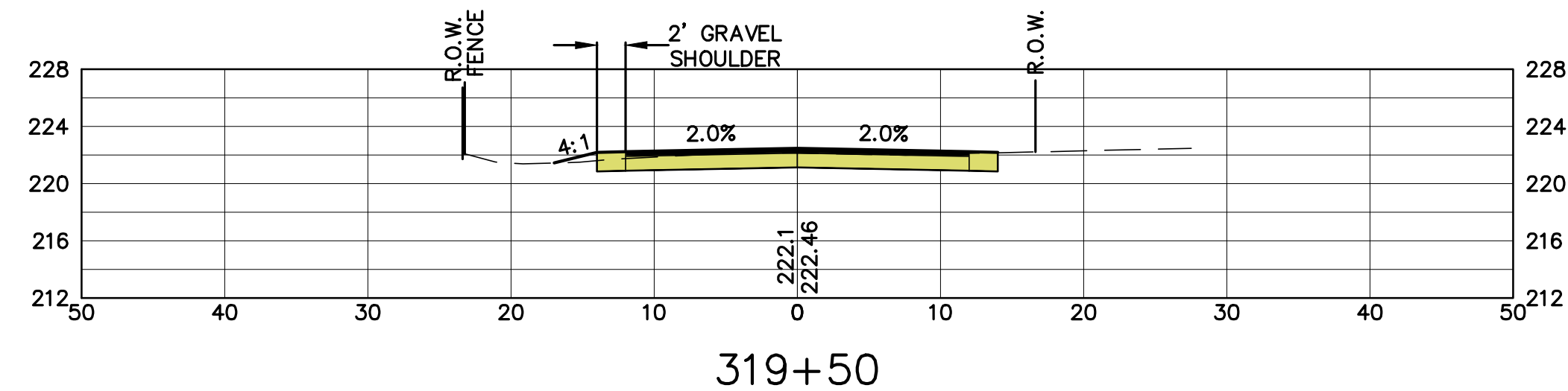
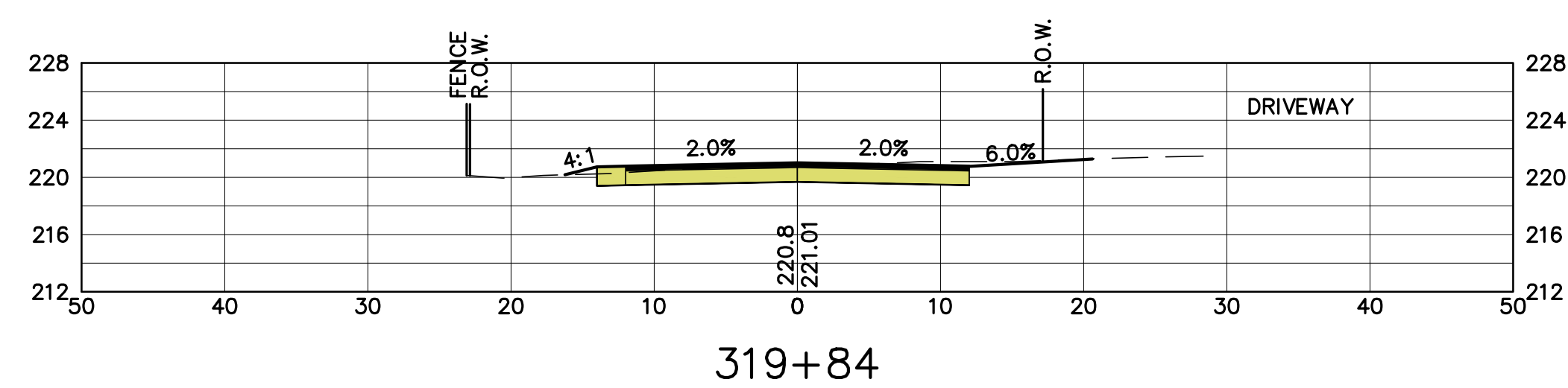
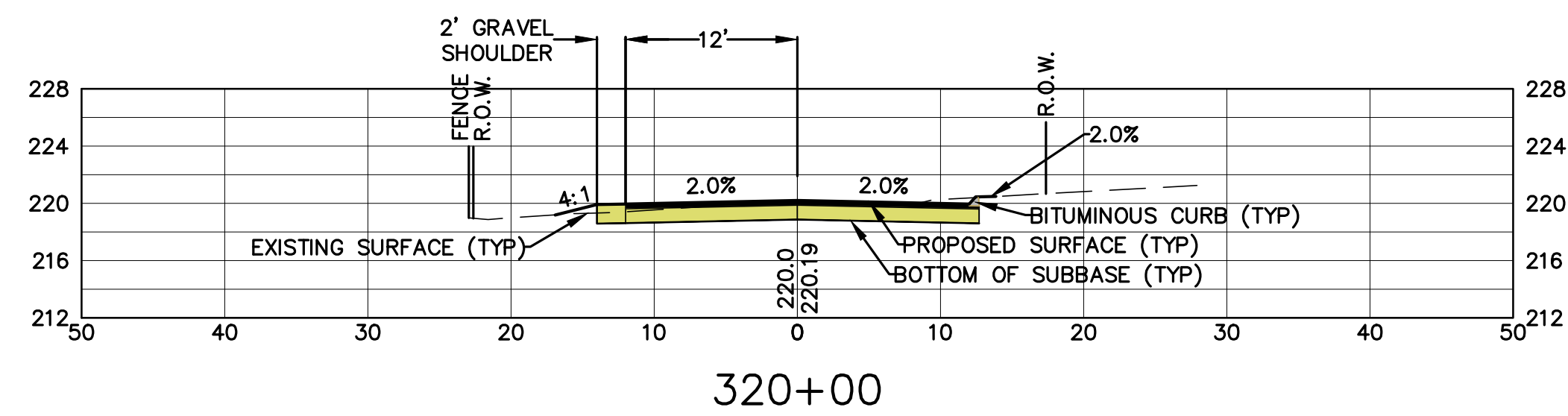
GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE

SHEET: 40 OF 41	SCALE: AS SHOWN
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DATE: FEBRUARY 3, 2017	PROJ. 12.5-2017
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NO.	DATE
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REVISION DESCRIPTION



PATTEN ROAD
CROSS SECTIONS
319+00 TO 322+50

PREPARED FOR:
TOWN OF BEDFORD
24 NORTH AMHERST ROAD
BEDFORD, NEW HAMPSHIRE 03110

GAULT ROAD, MAPLE DRIVE,
AND PATTEN ROAD
RECONSTRUCTION
BEDFORD, NEW HAMPSHIRE

SHEET: 41 OF 41 SCALE: AS SHOWN

DATE: FEBRUARY 3, 2017

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