

TOWN OF NEWPORT

PRELIMINARY DRAWINGS

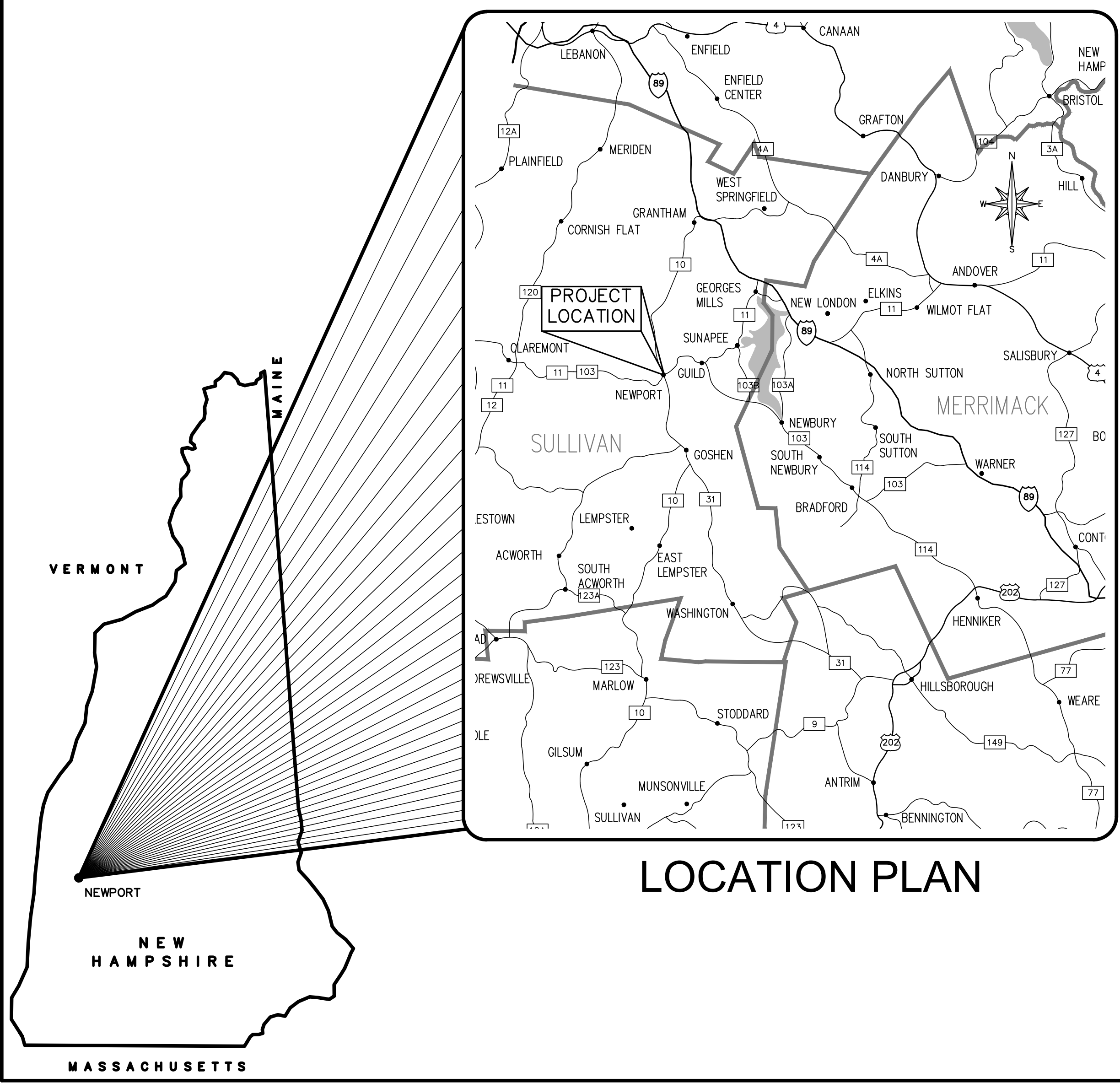
FIRST - FOURTH STREET INFRASTRUCTURE PROJECT

PREPARED BY

UNDERWOOD ENGINEERS

CONCORD, NEW HAMPSHIRE

JUNE 2017



LOCATION PLAN

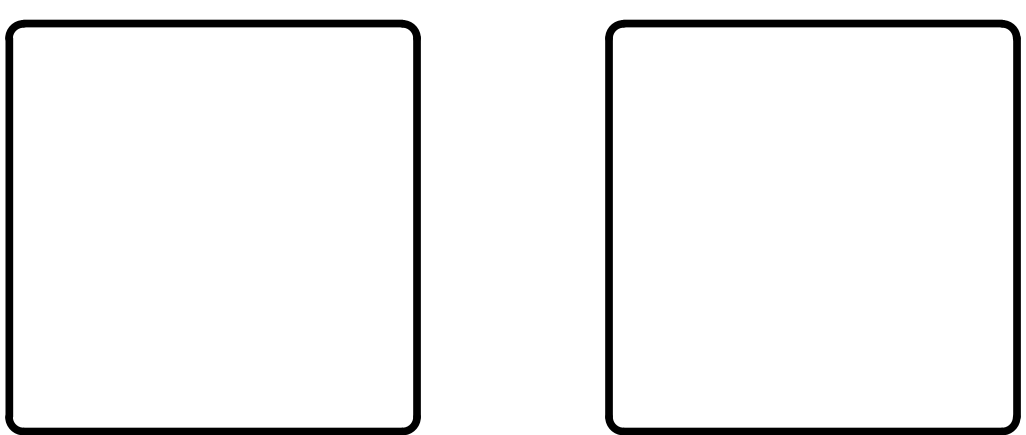
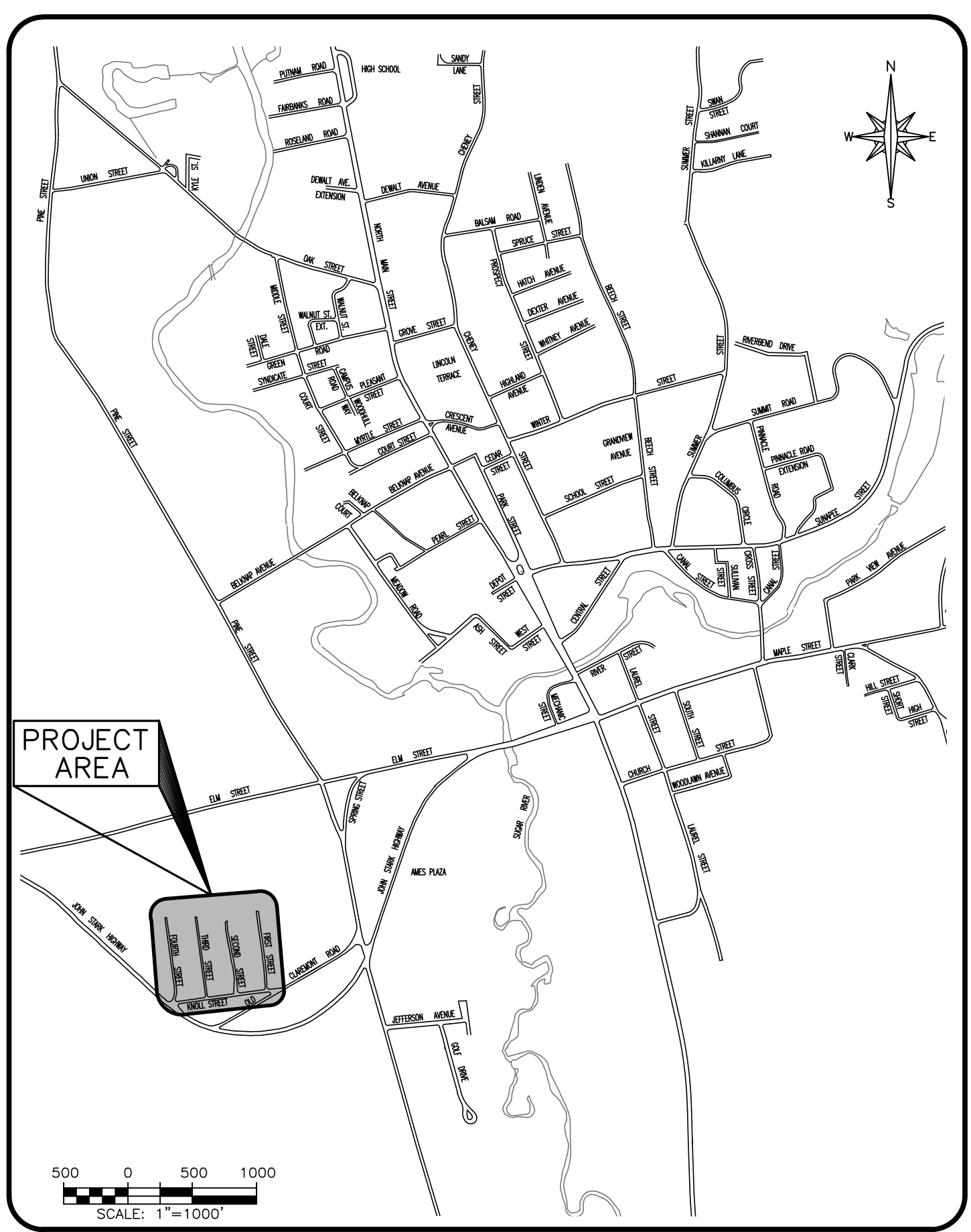


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VICINITY MAP

UE #1944



LEGEND:

EXISTING	PROPOSED	
		STRUCTURES/BUILDINGS
		RIGHT OF WAY/PROPERTY LINE
		EASEMENT LINE
		PAVED ROAD/DRIVE
		GRAVEL ROAD/DRIVE/TRAIL
		GRAVITY SEWER
		WATER LINE
		DRAIN LINE
		OVERHEAD UTILITIES
		MINOR CONTOUR ELEVATION
		MAJOR CONTOUR ELEVATION
		STOCKADE/POST & BEAM FENCE
		CHAIN LINK FENCE
		WIRE FENCE
		GUARDRAIL
		STONEWALL
		RETAINING WALL
		FLOW DIRECTION
		TREE LINE
		DECIDUOUS TREE
		CONIFER TREE
		BUSH
		STUMP
		UTILITY POLE WITH GUY WIRE
		SIGN
		BUSH LINE
		CONCRETE
		RIP RAP
		LANDSCAPED AREA
		GRAVEL/CRUSHED STONE
		BRICK
		SURFACE LEDGE
		CONCRETE / GRANITE BOUND
		IRON PIPE / IRON ROAD
		HYDRANT
		WATER SHUT-OFF
		WATER VALVE
		SEWER MANHOLE
		CATCH BASIN SQUARE
		CATCH BASIN ROUND
		DRAIN MANHOLE
		CONCRETE HEADWALL
		FLARED END SECTION
		PROPOSED BORING LOCATION
		OIL FILL CAP
		GAS REGULATOR
		FLAG POLE
		ELECTRIC METER
		MAILBOX
		TYPICAL
		BOUND FOUND
		IRON PIPE FOUND

LEGEND (CONT.):

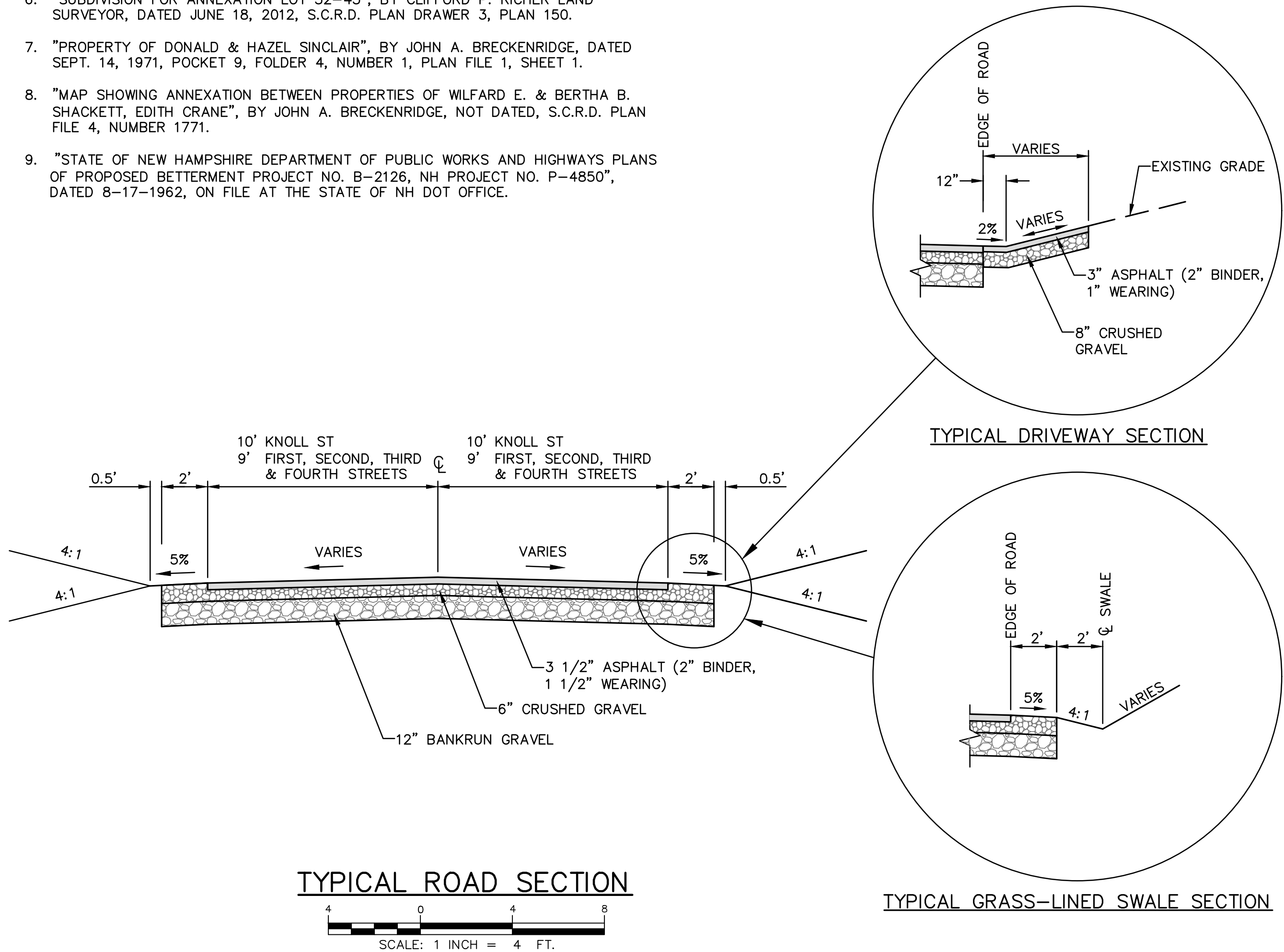
	IRON ROD FOUND
	FINISH FLOOR ELEVATION
	SILL ELEVATION
	SPOT GRADE
	SINGLE WHITE LINE
	DOUBLE YELLOW LINE
	SUBSURFACE REFUSAL
	SUBSURFACE NO REFUSAL
	STONE-LINED SWALE
	GRASS-LINED SWALE
	SLOPE TIE-IN

SURVEY NOTES:

- REFERENCE: FIRST, SECOND, THIRD & FOURTH STREETS
- FIELD SURVEY PERFORMED BY E.J.S. & W.D.C. DURING JUNE 2015 USING A TRIMBLE S6 TOTAL STATION WITH A TRIMBLE TSC3 DATA COLLECTOR AND A SOKKIA B21 AUTO LEVEL. TRAVERSE ADJUSTMENT BASED ON LEAST SQUARE ANALYSIS.
- HORIZONTAL DATUM BASED ON NH STATE PLANE NAD83(2011) DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KEYNET GPS VRS NETWORK.
- VERTICAL DATUM IS BASED ON APPROXIMATE NAVD88(GEOID12A) ($\pm 2'$) DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KEYNET GPS VRS NETWORK.
- PROPER FIELD PROCEDURES WERE FOLLOWED IN ORDER TO GENERATE CONTOURS AT 2' INTERVALS. ANY MODIFICATION OF THIS INTERVAL WILL DIMINISH THE INTEGRITY OF THE DATA, AND DOUCET SURVEY, INC. WILL NOT BE RESPONSIBLE FOR ANY SUCH ALTERATION PERFORMED BY THE USER.
- UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON OBSERVABLE PHYSICAL EVIDENCE AND PAINT MARKS FOUND ON-SITE.
- THE ACCURACY OF MEASURED UTILITY INVERTS AND PIPE SIZES/TYPES IS SUBJECT TO NUMEROUS FIELD CONDITIONS, INCLUDING; THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE VARIOUS ELEMENTS, MANHOLE CONFIGURATION, ETC.
- APPARENT EDGE OF RIGHT OF WAY WAS DETERMINED BASED ON INFORMATION AVAILABLE IN THE CURRENT DEED, REFERENCED PLANS, DOCUMENTS AVAILABLE FROM THE STATE OF NH DOT OFFICE, ALONG WITH MONUMENTS RECOVERED IN THE FIELD. COMPLETE BOUNDARY SURVEY WAS NOT PERFORMED AS PART OF THIS PROJECT.
- SUPPLEMENTAL EXISTING CONDITION FEATURES WERE ADDED TO THE BASE PLANS, 200 FEET IN FROM THE NORTH END OF THE PROJECT BETWEEN FIRST & SECOND STREET, BETWEEN SECOND & THIRD STREET, & BETWEEN THIRD & FOURTH STREET. INFORMATION WAS DIGITIZED FROM UNH GRANIT 2001 AERIAL PHOTO AND 2014 GOOGLE EARTH IMAGERY, AND DOES NOT REPRESENT A GROUND SURVEY.

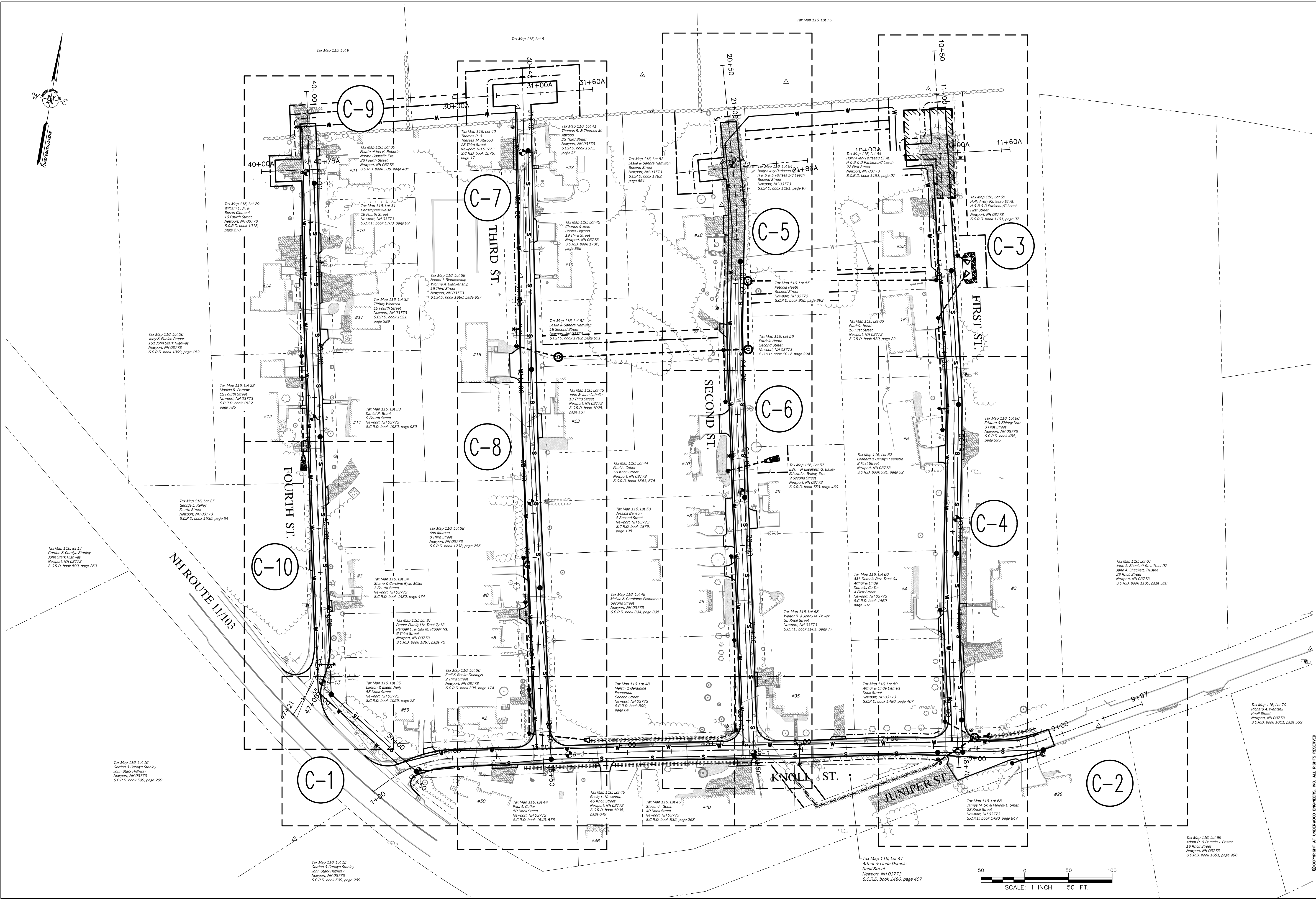
REFERENCE PLANS:

- "NEWPORT HEIGHTS NEWPORT, NH OWNED BY GEO. BIDWELL", BY RUSH CHILLIS ENG., DATED 1922, S.C.R.D. BOOK 1, PAGE 127.
- "KARANKO SUBDIVISION", BY THOMAS C. DOMBROSKI, LLS, DATED 2/12/90, S.C.R.D. POCKET 153, FOLDER 1, PLAN 3, SHEET 10.
- "NEWPORT HEIGHTS NEWPORT, NH OWNED BY GEO. BIDWELL", BY RUSH CHILLIS ENG., DATED 1922, S.C.R.D. POCKET 1, FOLDER 2, PLAN FOLDER 1, SHEET 1.
- "PROPOSED SUBDIVISION PLAN PREPARED FOR GRAY ROCKE", BY AWL SURVEYS, DATED 10/01/05, POCKET 10, FOLDER 3, NUMBER 17, PLAN FILE 4, SHEET 1.
- "PLAN OF FIRST STREET IN NEWPORT, NH", BY HAROLD E. JOHNSON-SURVEYOR, DATED AUG. 6, 1958, POCKET 1, FOLDER 1, PLAN FOLDER 1, SHEET 14.
- "SUBDIVISION FOR ANNEXATION LOT 52-43", BY CLIFFORD P. RICHER LAND SURVEYOR, DATED JUNE 18, 2012, S.C.R.D. PLAN DRAWER 3, PLAN 150.
- "PROPERTY OF DONALD & HAZEL SINCLAIR", BY JOHN A. BRECKENRIDGE, DATED SEPT. 14, 1971, POCKET 9, FOLDER 4, NUMBER 1, PLAN FILE 1, SHEET 1.
- "MAP SHOWING ANNEXATION BETWEEN PROPERTIES OF WILFARD E. & BERTHA B. SHACKETT, EDITH CRANE", BY JOHN A. BRECKENRIDGE, NOT DATED, S.C.R.D. PLAN FILE 4, NUMBER 1771.
- "STATE OF NEW HAMPSHIRE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS PLANS OF PROPOSED BETTERMENT PROJECT NO. B-2126, NH PROJECT NO. P-4850", DATED 8-17-1962, ON FILE AT THE STATE OF NH DOT OFFICE.



© COPYRIGHT © UNDERWOOD ENGINEERS, INC. ALL RIGHTS RESERVED		GENERAL NOTES & LEGEND		FIRST-FOURTH STREET INFRASTRUCTURE PROJECT		TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE		 UNDERWOOD engineers 99 North State Street, Concord, N.H. 03301 Tel. 603-230-9898 Fax. 603-230-9899		PRELIMINARY JUNE 2017 NOT FOR CONSTRUCTION		Drawn/Chk. _____ RMG Designed _____ PJP Checked _____ PJP Approved _____ Date _____ 6/14/2017 Book No. _____ Project No. _____ 1944 Dwg. ID _____ 1944_Lbbase Scale _____ AS SHOWN		REVISIONS		APPD		NO.		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△		△	
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By

Date

CONSTRUCTION

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REVISIONS

NO.

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Date

6/14/2017

Book No.

1944

Project No.

1944_base

Dwg. ID

1944_base

Scale

AS SHOWN

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JUNE 2017

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UNDERWOOD

engineers

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Tel. 603-230-9898 Fax. 603-230-9899

TAX MAP INFORMATION & OVERALL PROJECT PLAN

FIRST-FOURTH STREET INFRASTRUCTURE PROJECT

TOWN OF NEWPORT

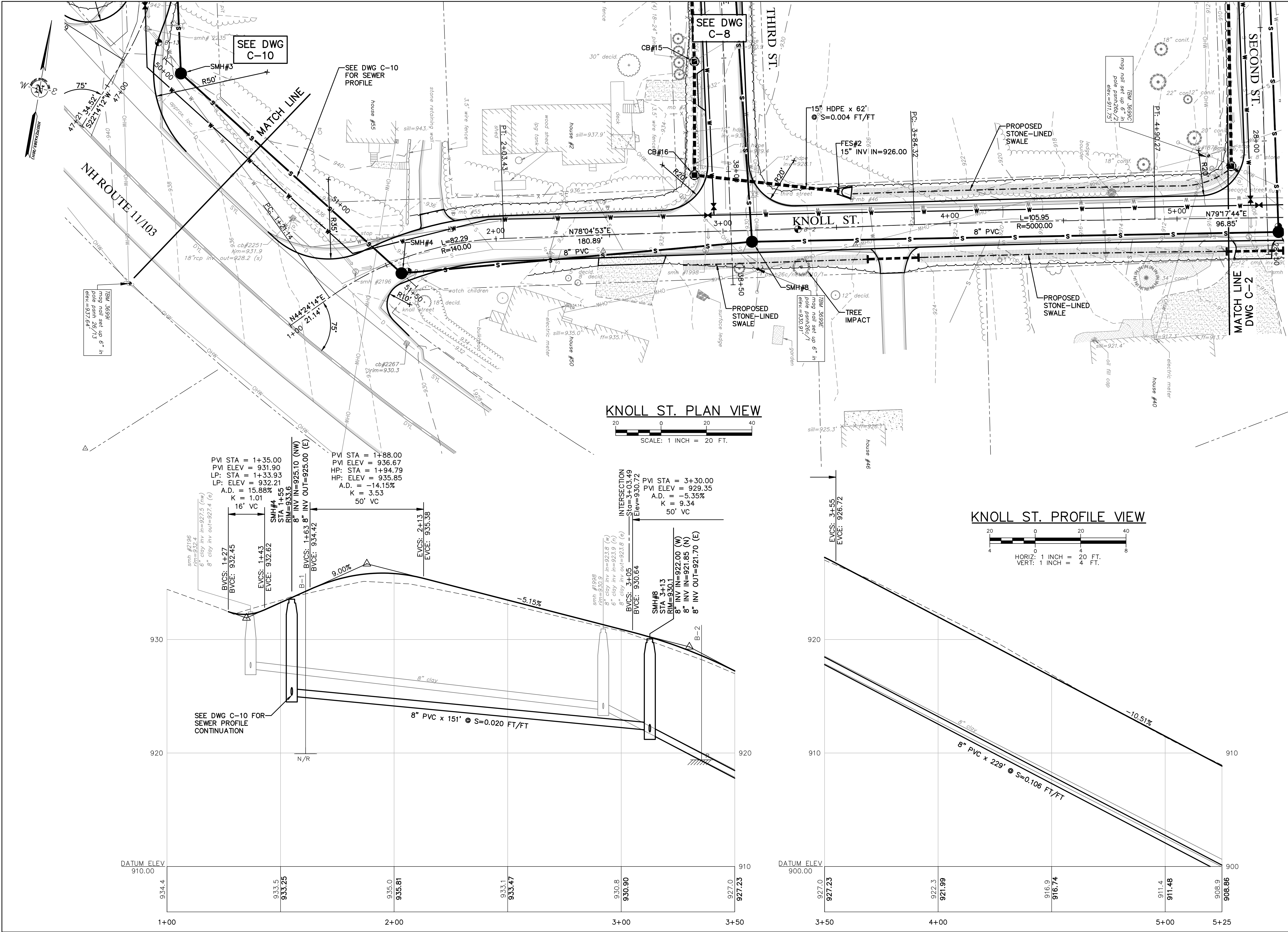
NEWPORT, NEW HAMPSHIRE

DWG NO

C-0

SHEET

2 OF 22



KNOLL STREET
PLAN & PROFILE

FIRST-FOURTH STREET INFRASTRUCTURE PROJECT

TOWN OF NEWPORT
NEWPORT, NEW HAMPSHIRE

DWG NO
C-1

SHEET
3 OF 22

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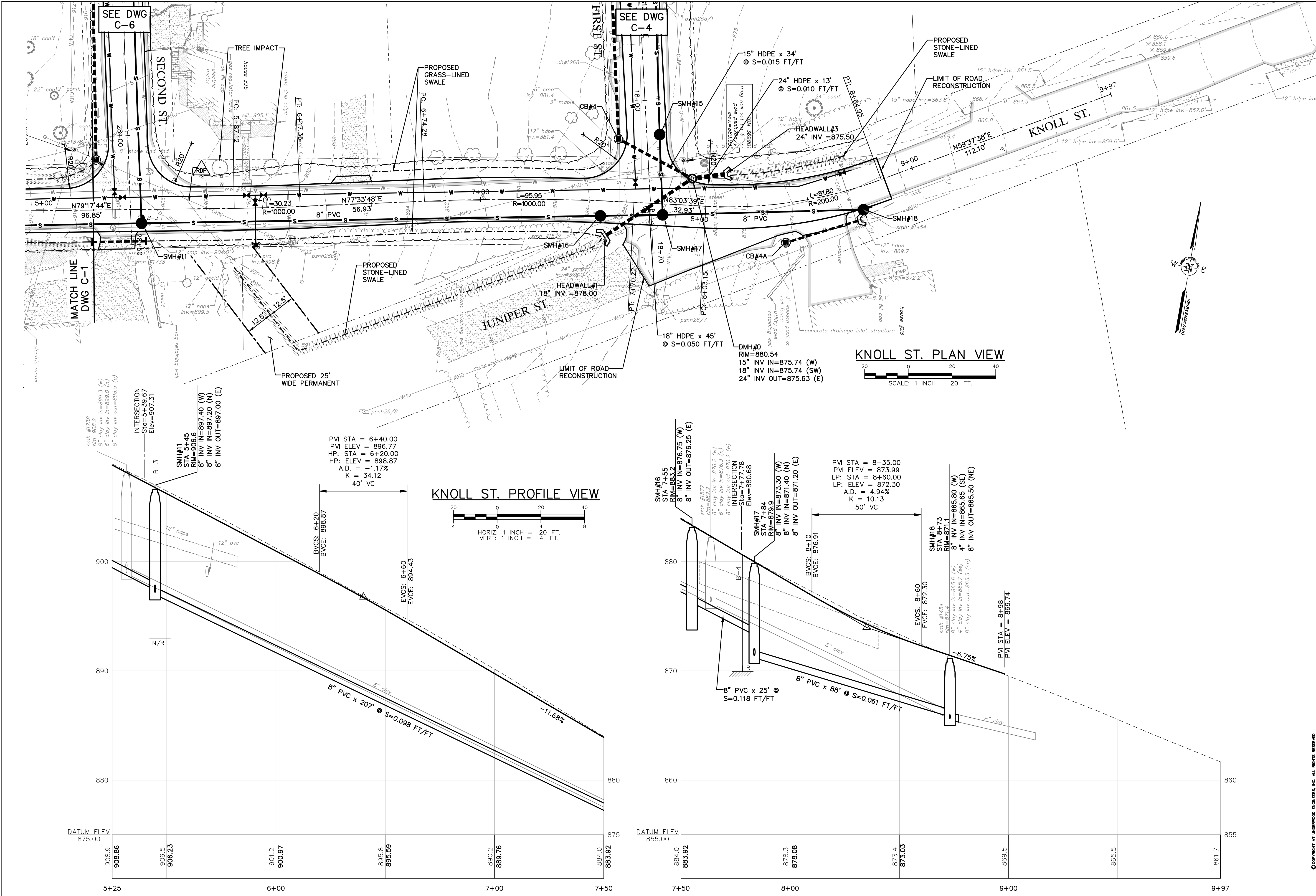
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Date 6/14/2017
Book No. 1944
Project No. 1944
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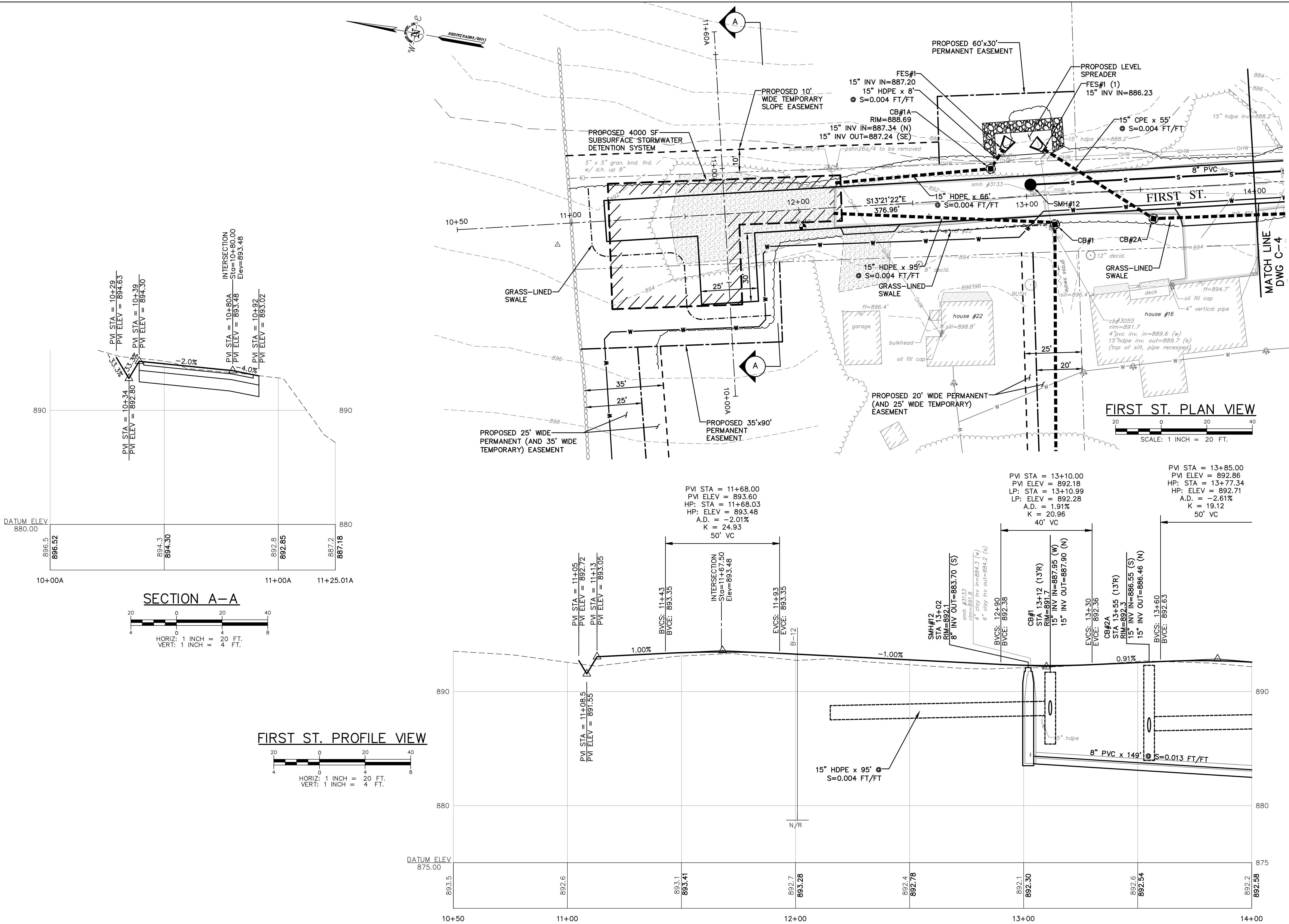
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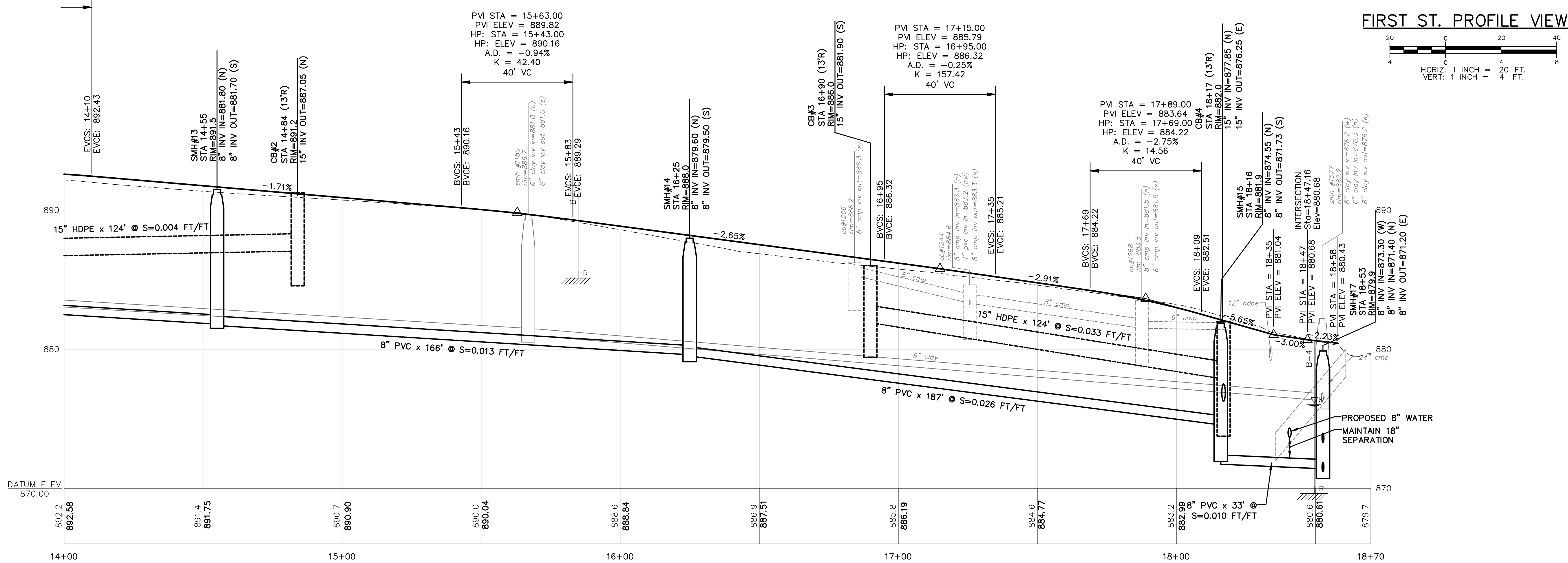
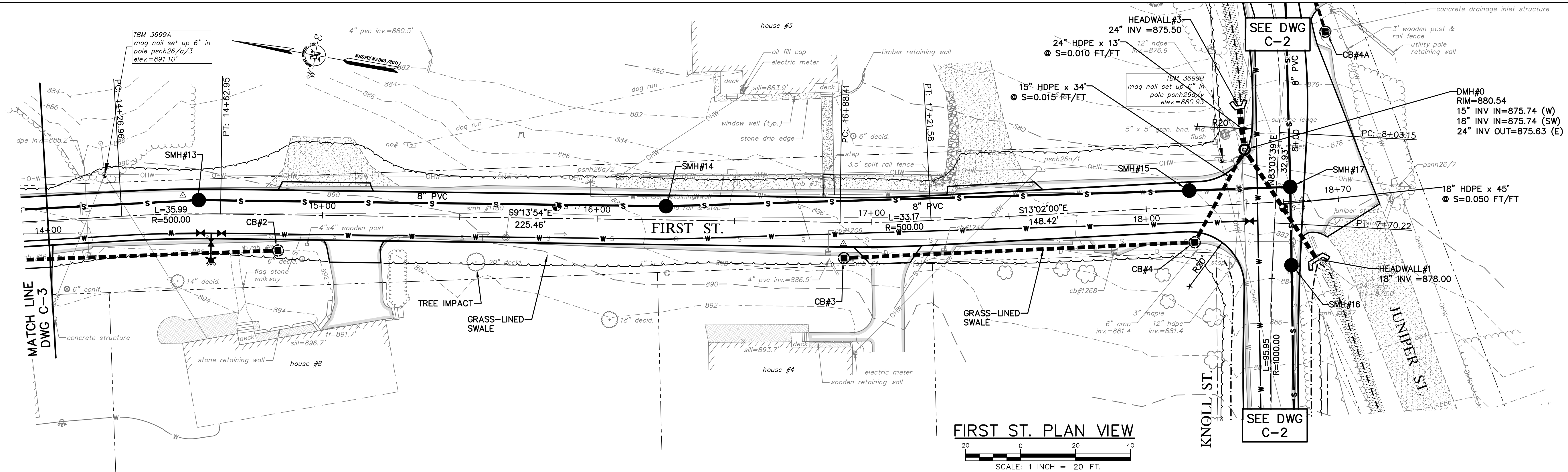
REVISIONS
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KNOLL STREET PLAN & PROFILE		 UNDERWOOD engineers		PRELIMINARY JUNE 2017 NOT FOR CONSTRUCTION		Drawn/Chk. RMG		Δ				ISSUE FOR
FIRST-FOURTH STREET INFRASTRUCTURE PROJECT						Designed PJP		Δ				APPROVAL
TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE		99 North State Street, Concord, N.H. 03301 Tel. 603-230-9898 Fax. 603-230-9899				Checked PJP		Δ				Date By
						Approved		Δ				CONSTRUCTION
						Date 6/14/2017		Δ				Date By
						Book No.		Δ				RECORD DRAWING
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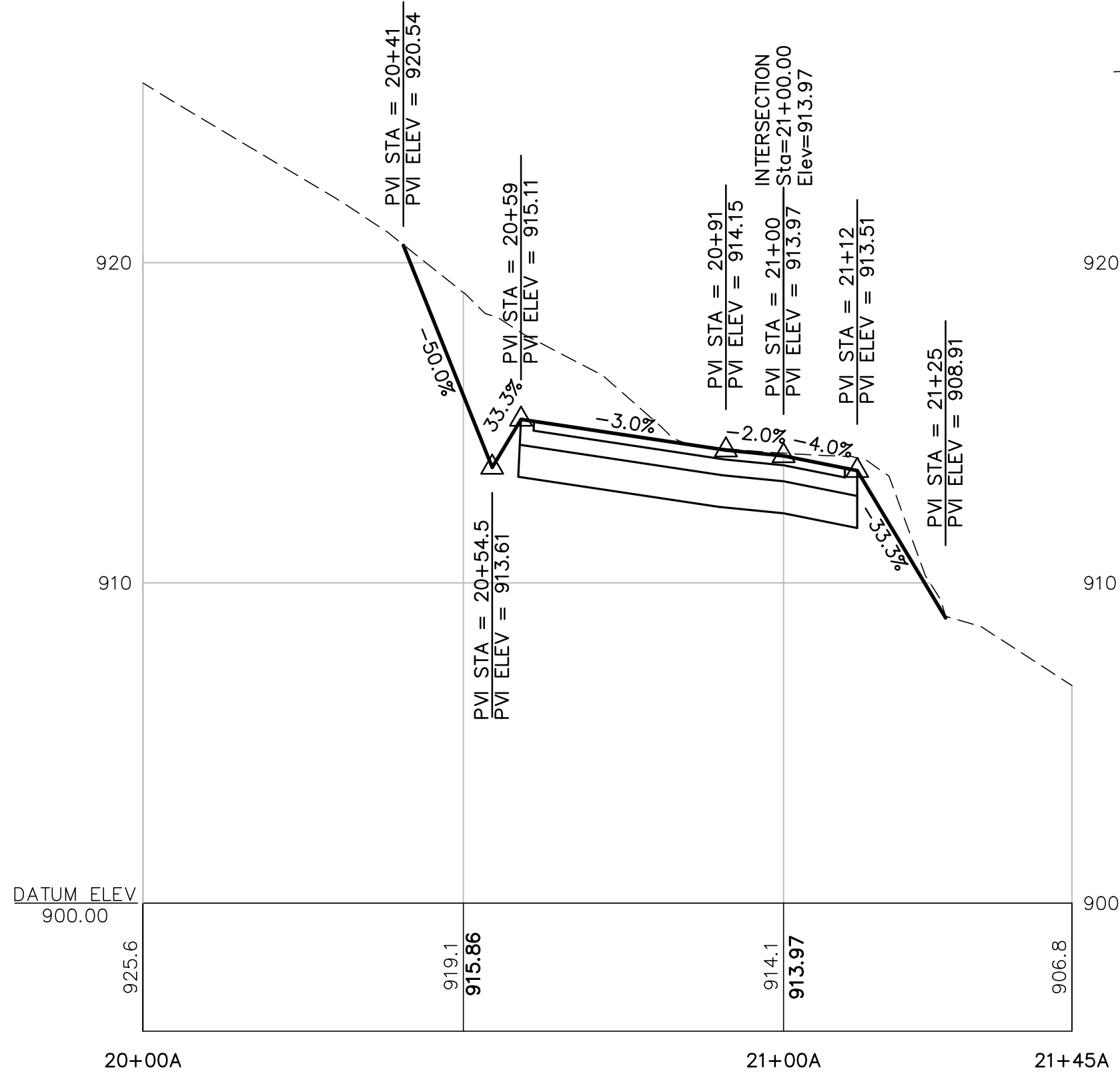


DWG NO C-3		SHEET 5 OF 22	
FIRST STREET PLAN & PROFILE			
FIRST-FOURTH STREET INFRASTRUCTURE PROJECT			
TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE			
UNDERWOOD engineers			
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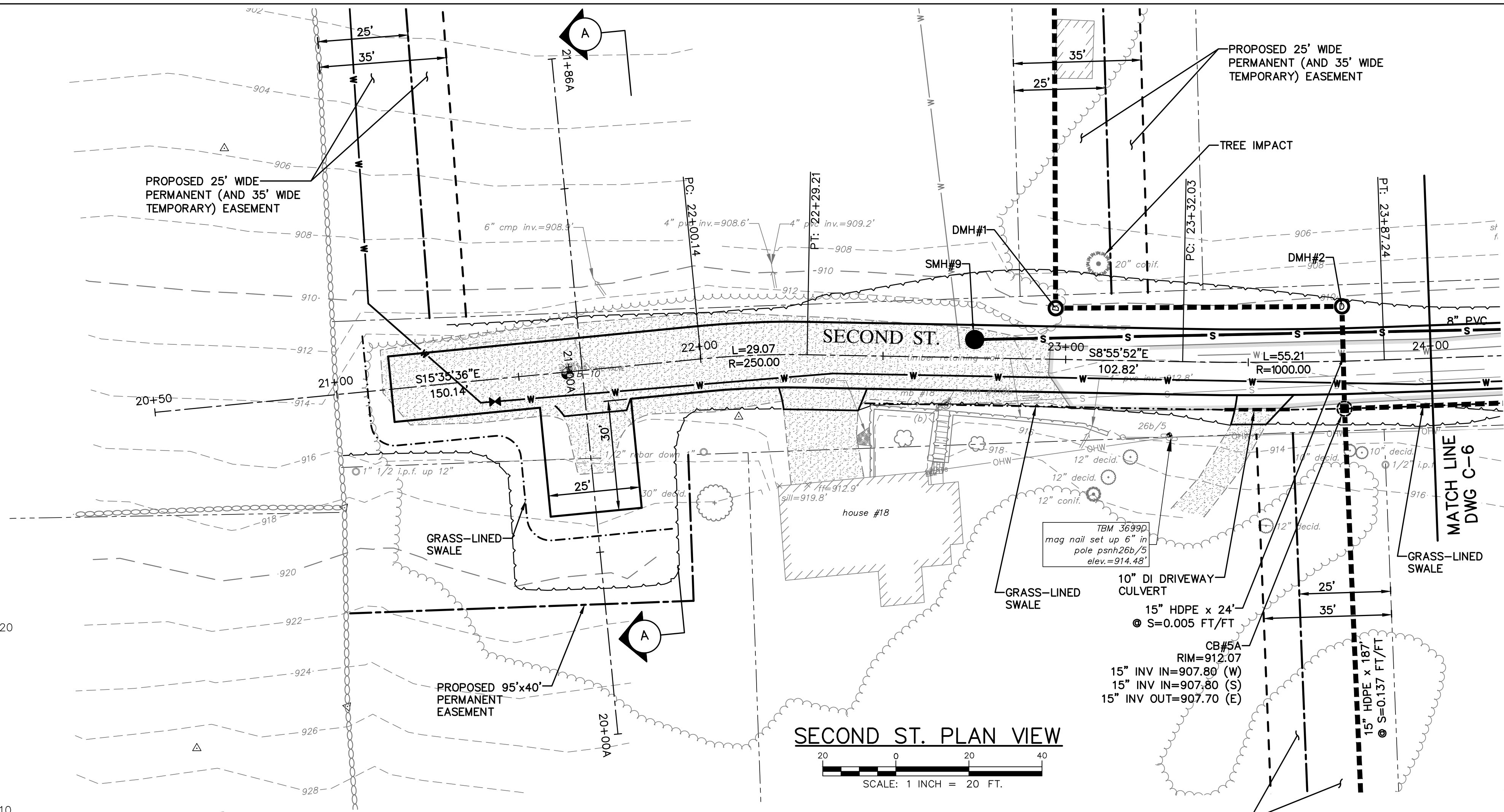
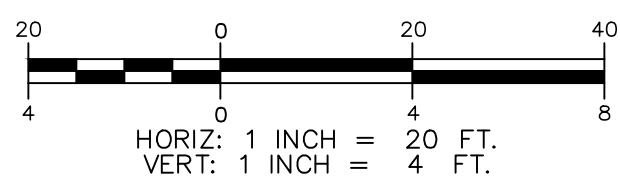


DWG NO		SHEET	
C-4		6 OF 22	
FIRST STREET PLAN & PROFILE			
FIRST-FOURTH STREET INFRASTRUCTURE PROJECT			
TOWN OF NEWPORT			
NEWPORT, NEW HAMPSHIRE			
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UNDERWOOD engineers			
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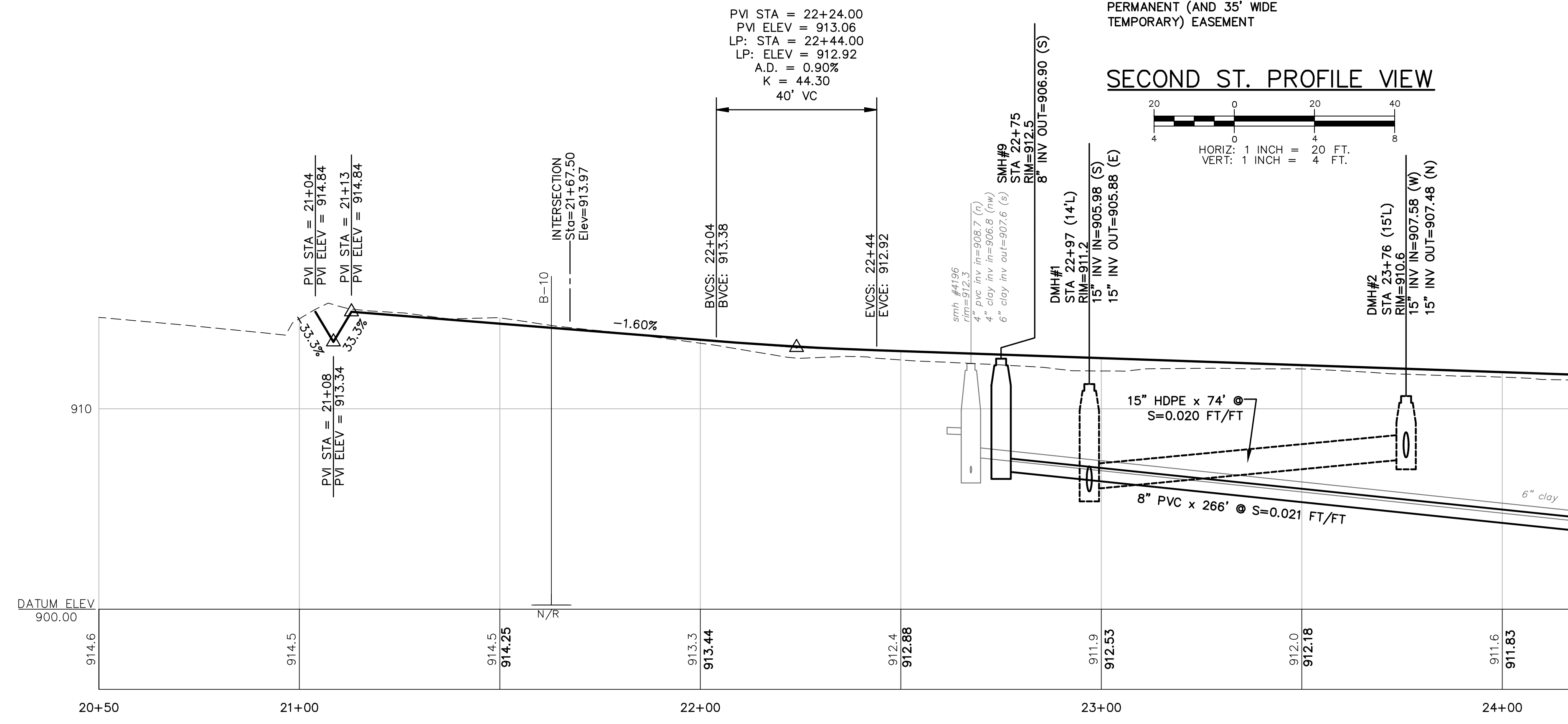
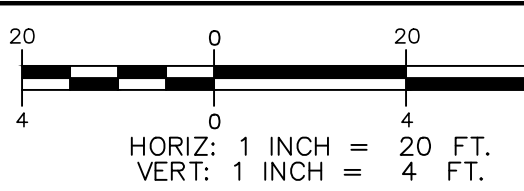


SECTION A-A

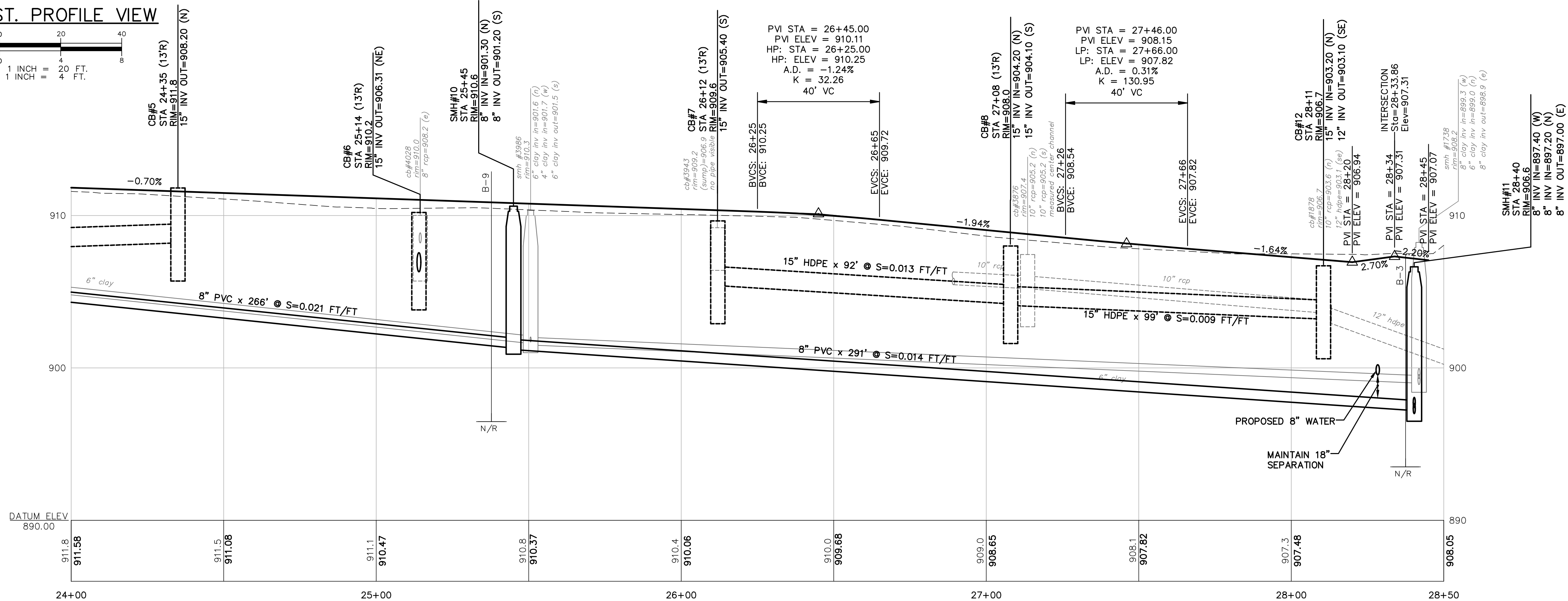
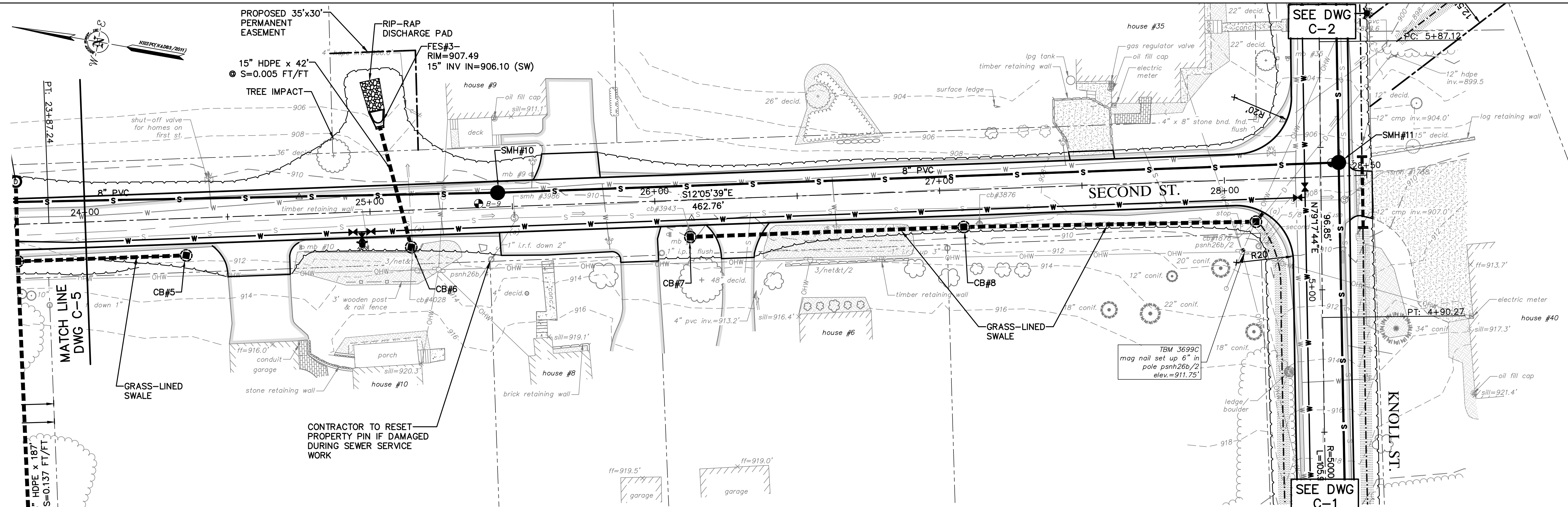


PVI STA = 22+24.00
PVI ELEV = 913.06
LP: STA = 22+44.00
LP: ELEV = 912.92
A.D. = 0.90%
K = 44.30
40' VC

SECOND ST. PROFILE VIEW

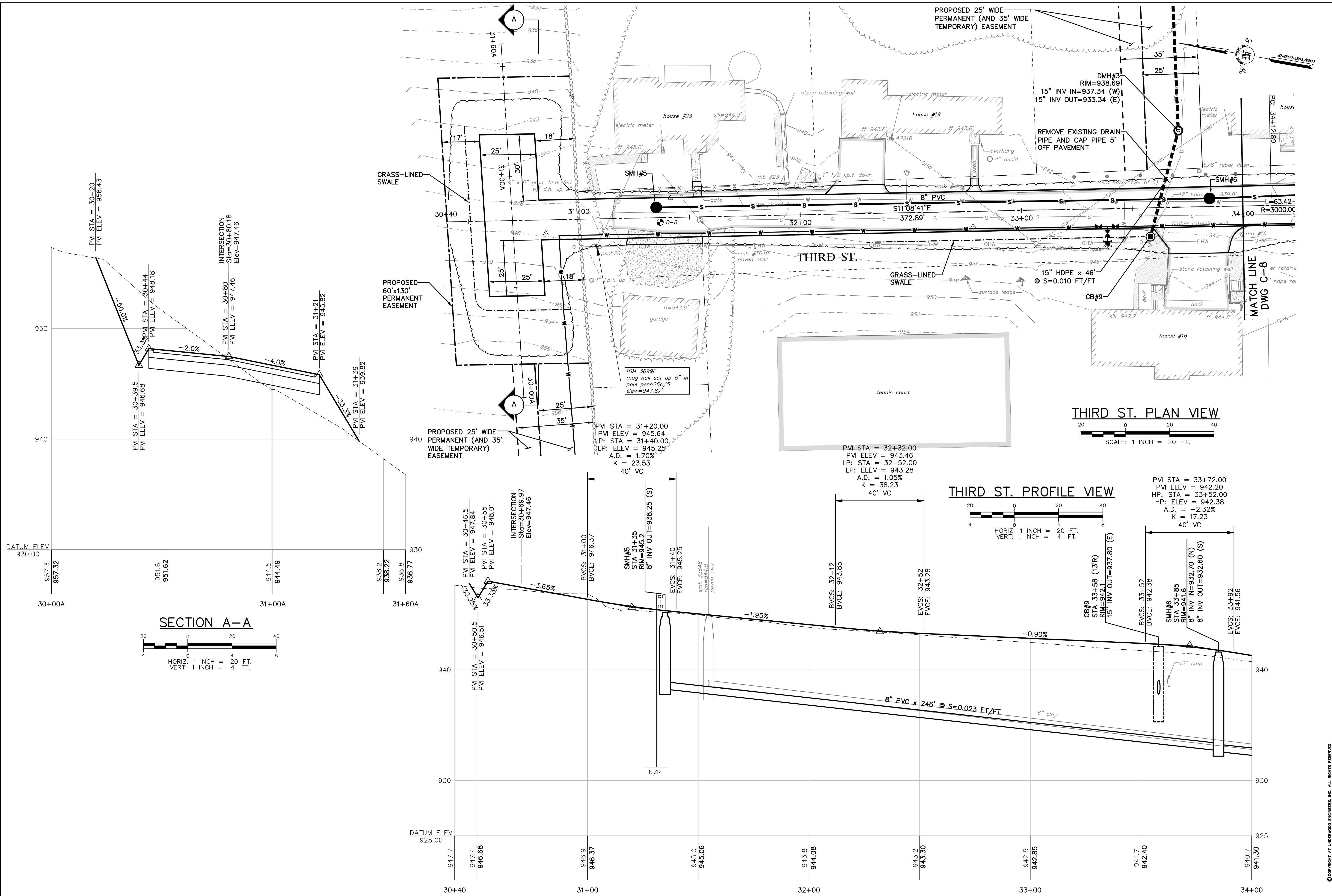


DWG NO C-5	SHEET 7 OF 22	FIRST-FOURTH STREET INFRASTRUCTURE PROJECT		TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE	
		SECOND STREET PLAN & PROFILE			
UNDERWOOD engineers		99 North State Street, Concord, N.H. 03301 Tel. 603-230-9898 Fax. 603-230-9899			
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Drawn/Chk RMG PJP	Issue For APPROVAL By Date	Checkd PJP	Construction By Date	Record By Date	Revisions APPD NO.
Approved Date: 6/14/2017		Book No. Project No. 1944			
Scale: AS SHOWN		Dwg. ID: 1944_Base			



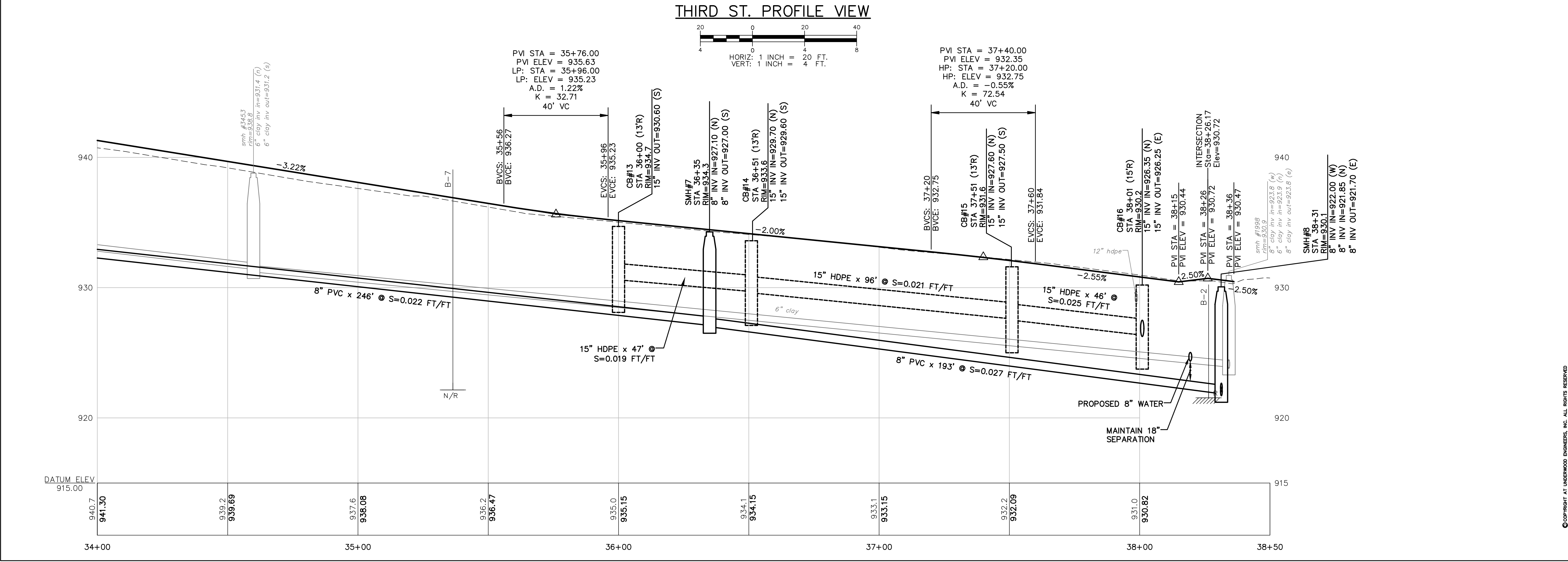
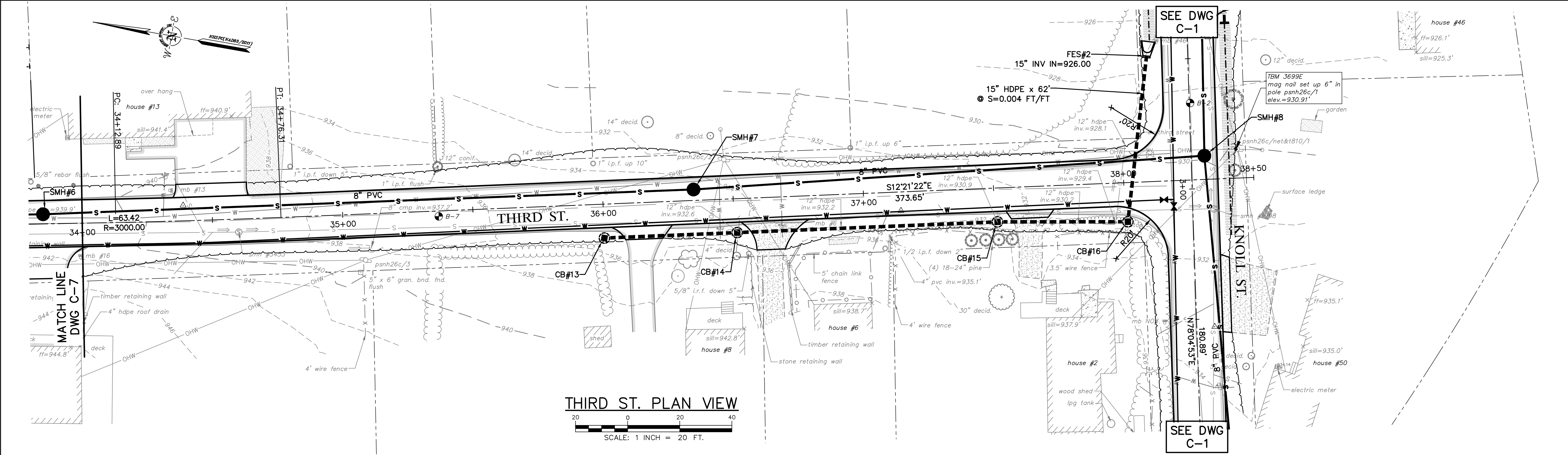
DWG NO C-6		SECOND STREET PLAN & PROFILE		FIRST-FOURTH STREET INFRASTRUCTURE PROJECT		TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE		99 North State Street, Concord, N.H. 03301 Tel. 603-230-9888 Fax. 603-230-9899		 UNDERWOOD engineers		PRELIMINARY JUNE 2017 NOT FOR CONSTRUCTION		Drawn/Chk. _____ RMG Designed _____ PJP Checked _____ PJP Approved _____ Date _____ 6/14/2017 Book No. _____ Project No. 1944 Dwg. ID 1944-bbase Scale AS SHOWN		REVISIONS NO. _____		APP'D _____		ISSUE FOR APPROVAL By _____ Date _____ CONSTRUCTION By _____ Date _____ RECORD DRAWING By _____ Date _____	
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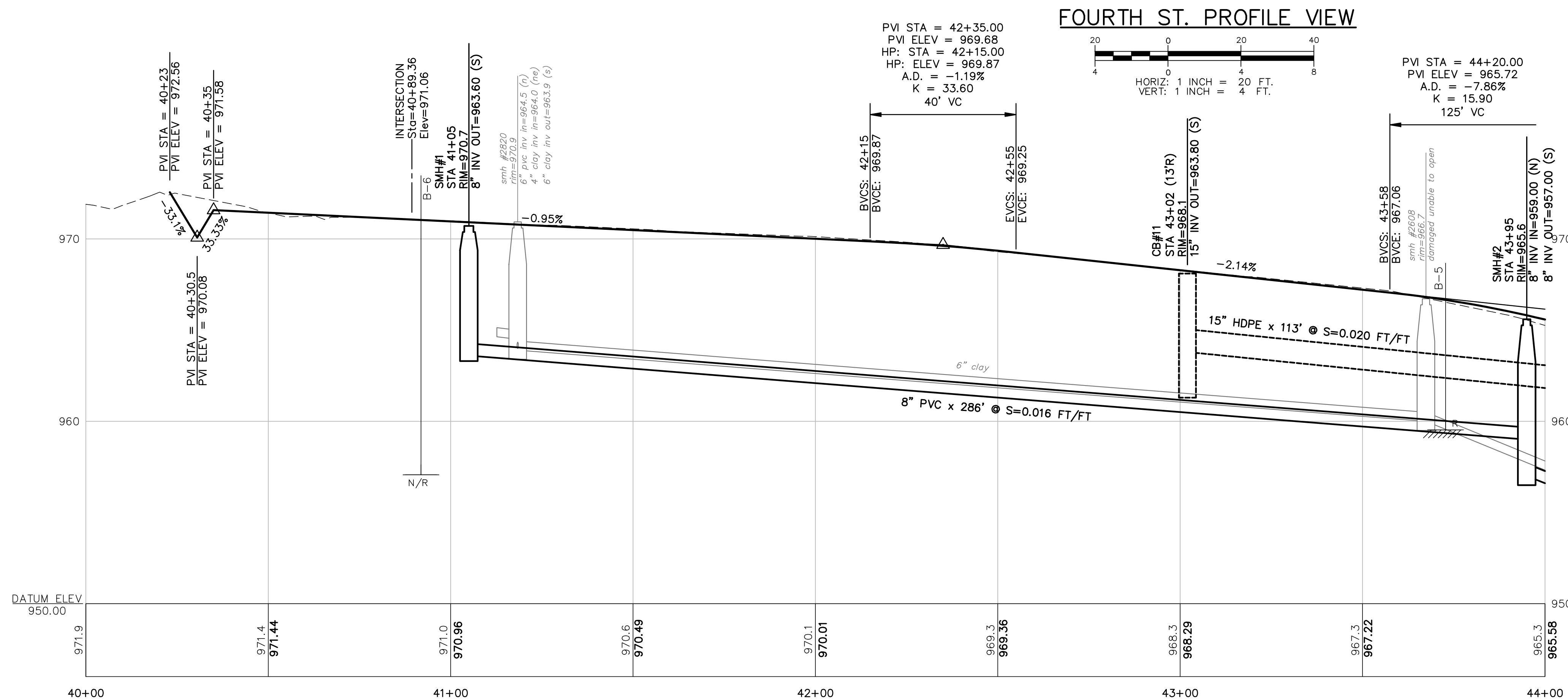
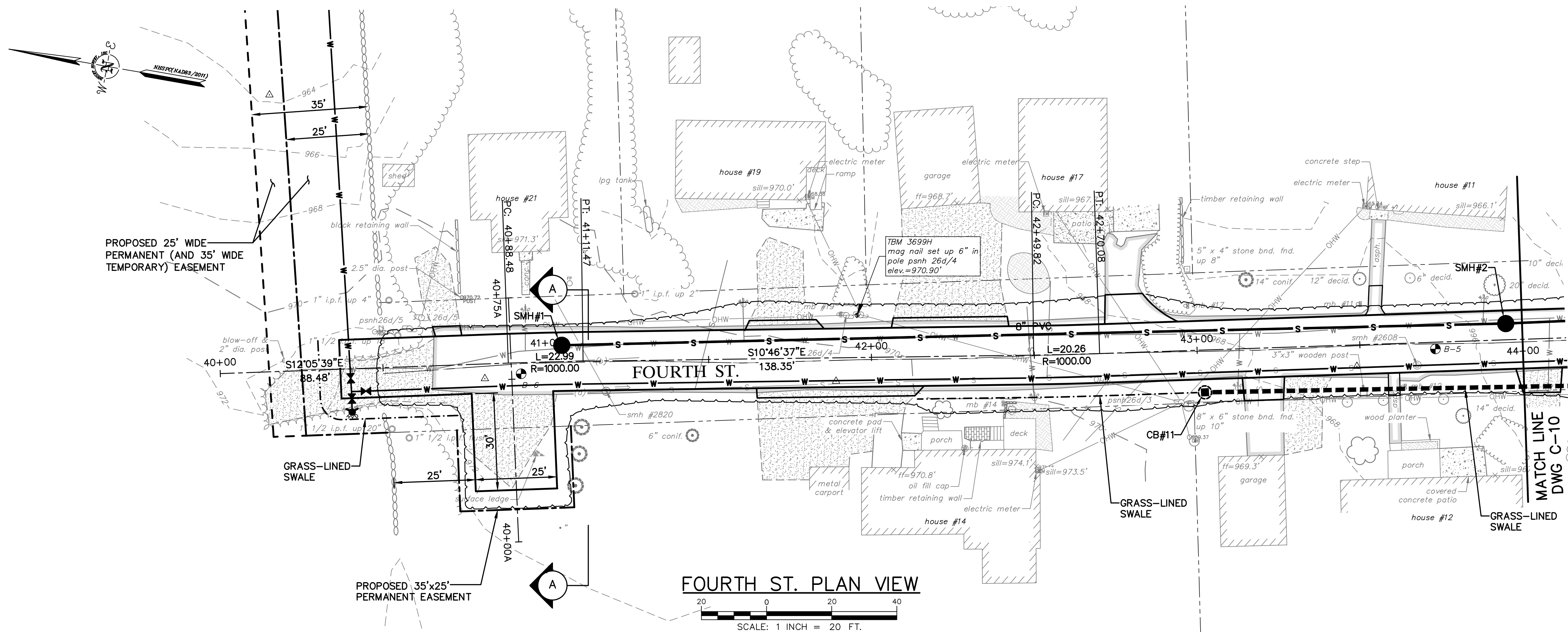
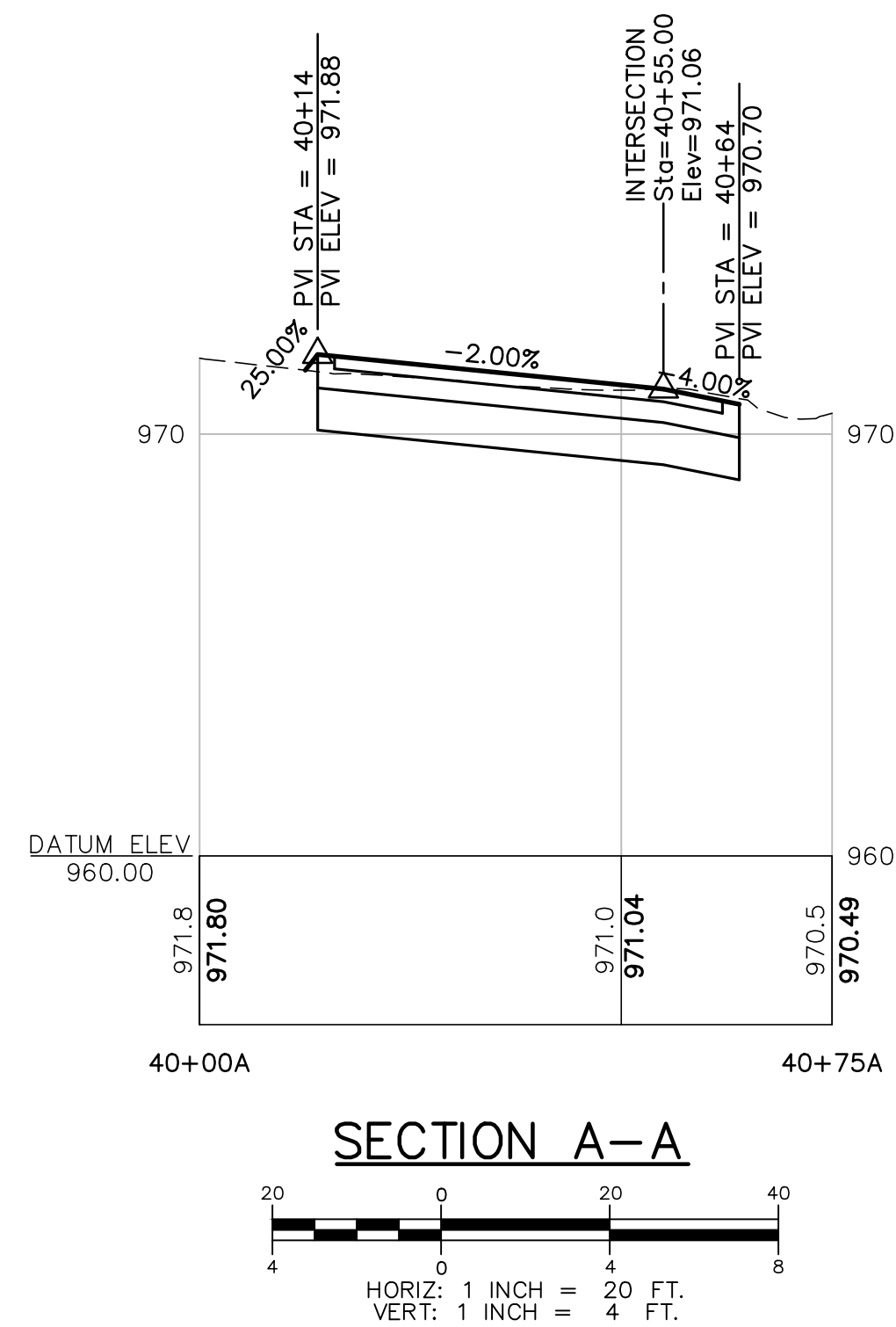


DWG NO		THIRD STREET PLAN & PROFILE		 99 North State Street, Concord, N.H. 03301 Tel. 603-230-9898 Fax. 603-230-9899	PRELIMINARY JUNE 2017 NOT FOR CONSTRUCTION		Drawn/Chk. RMG		△	ISSUE FOR
SHEET		FIRST-FOURTH STREET INFRASTRUCTURE PROJECT					Designed PJP	△	APPROVAL	
TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE		TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE					Checked PJP	△	Date	
					Approved	△	Date	CONSTRUCTION	By	
					Date 6/14/2017	△	Date	RECORD DRAWING	By	
					Book No.	△				
					Project No. 1944	△				
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						△		No.		

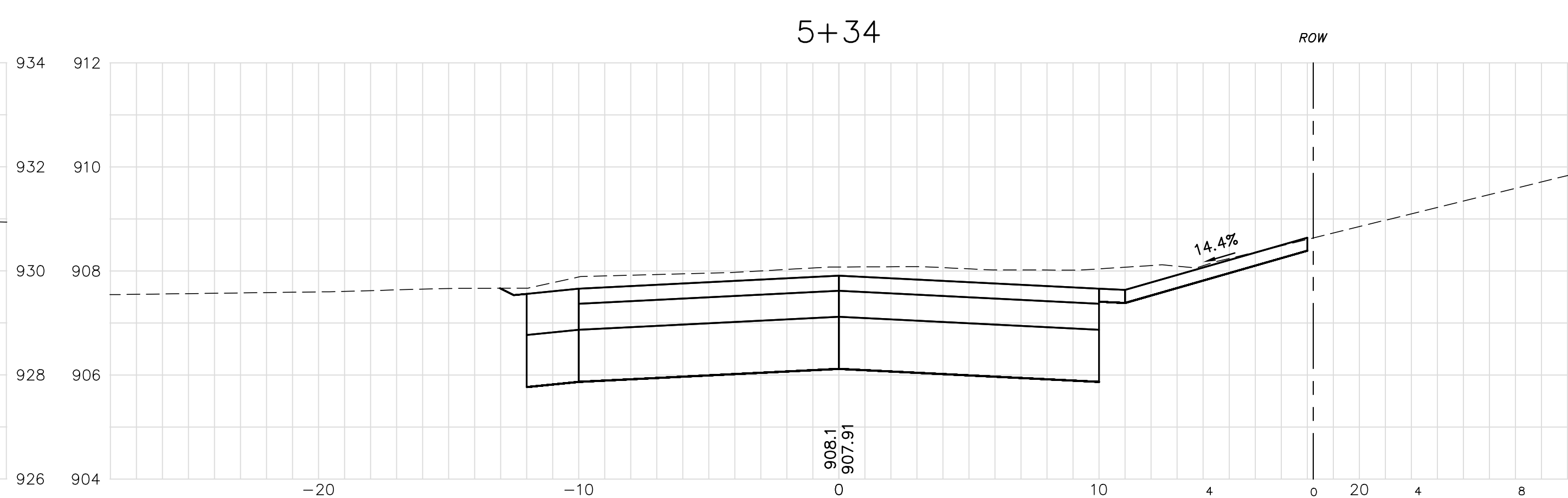
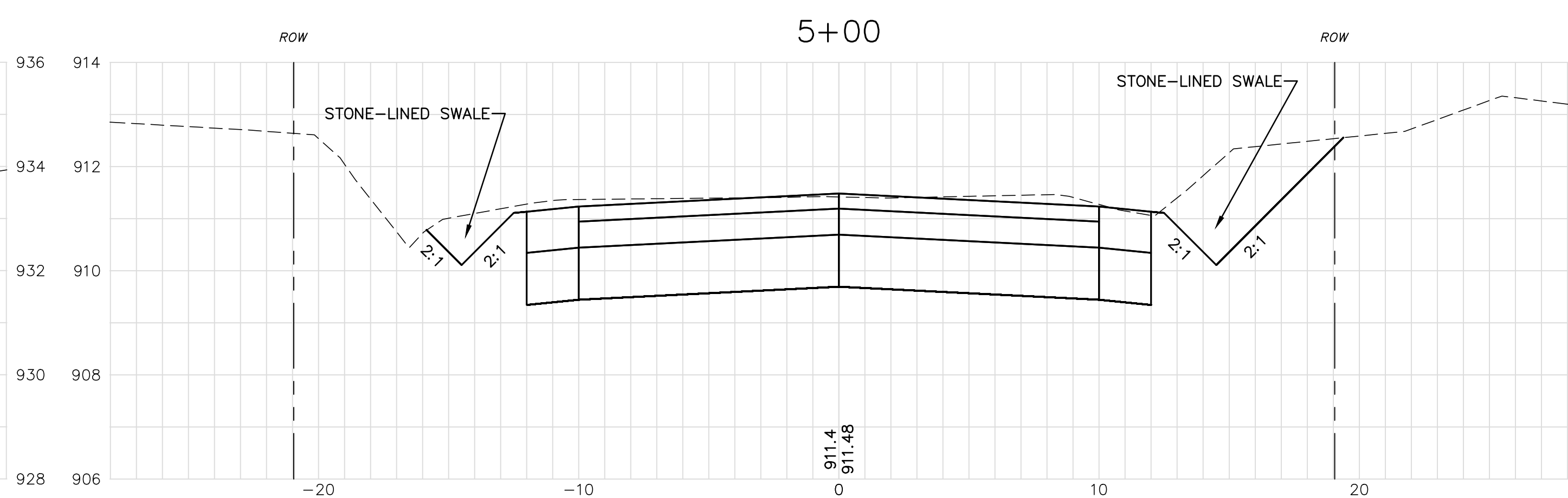
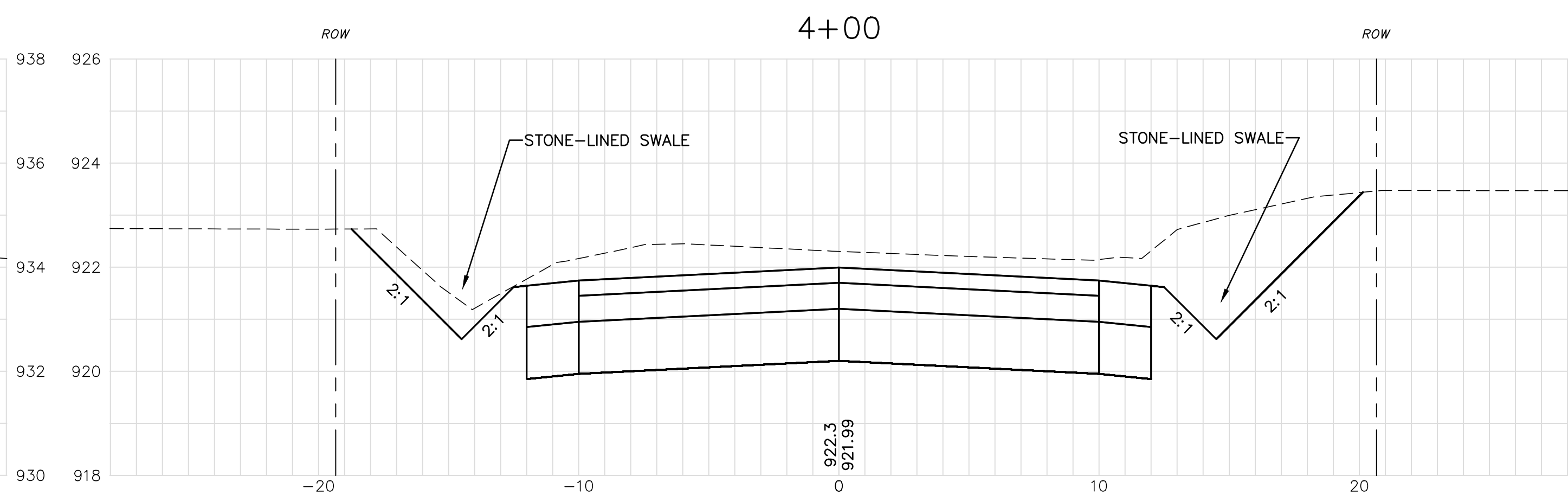
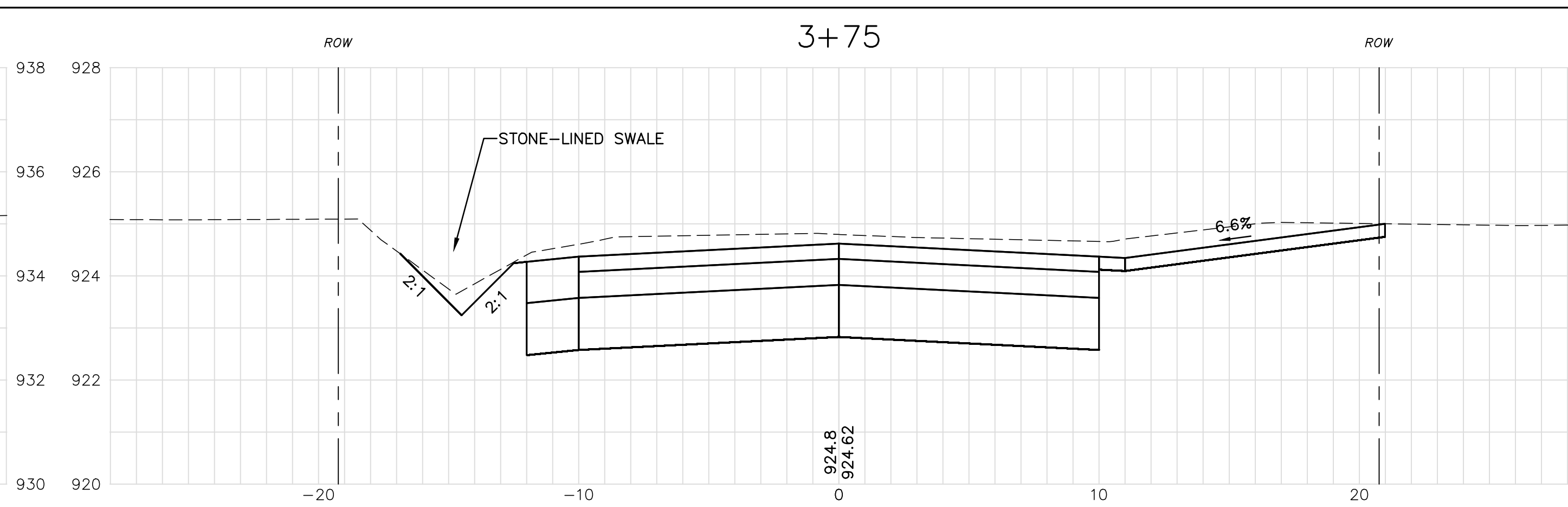
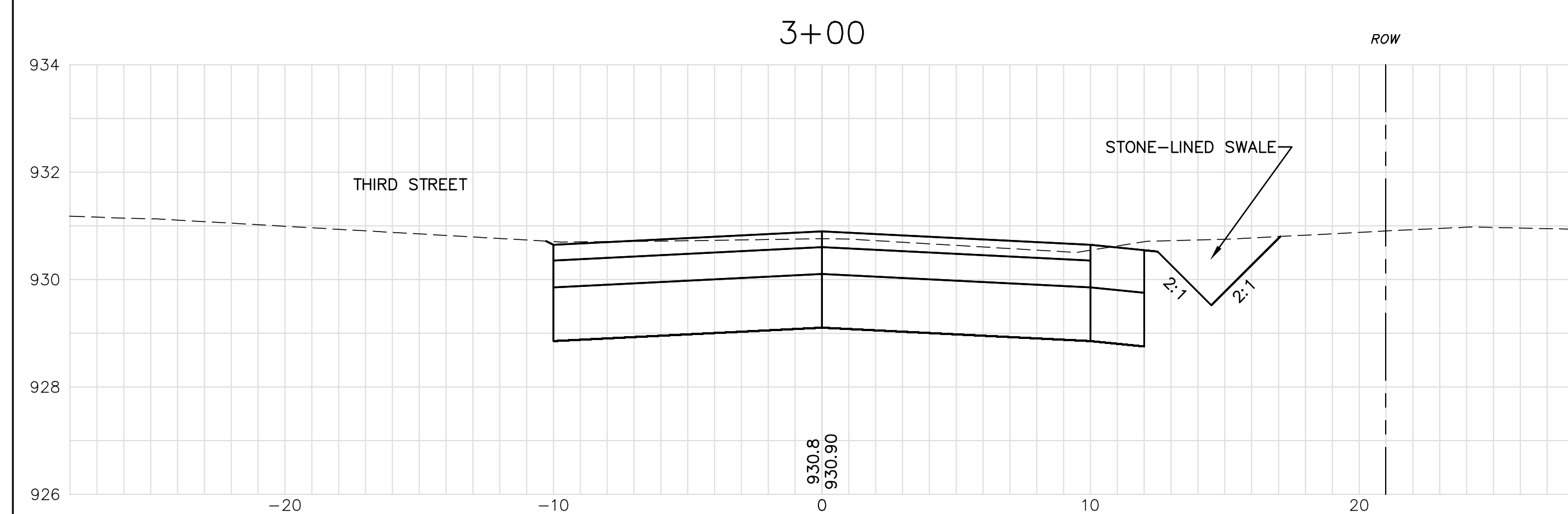
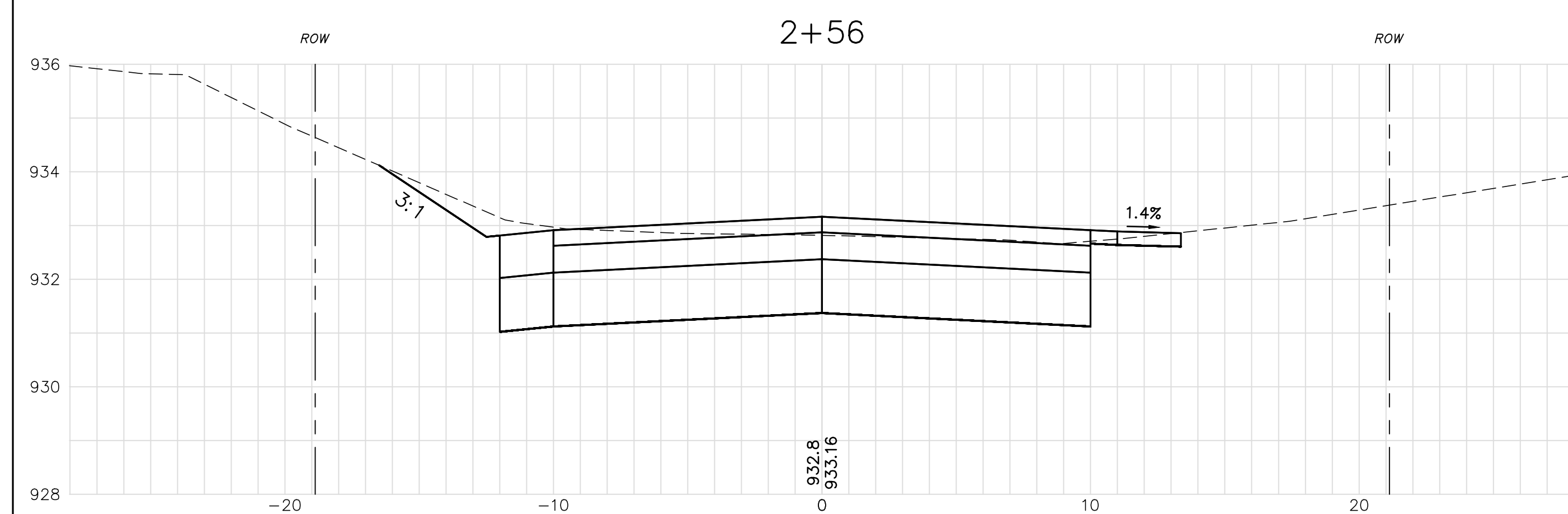
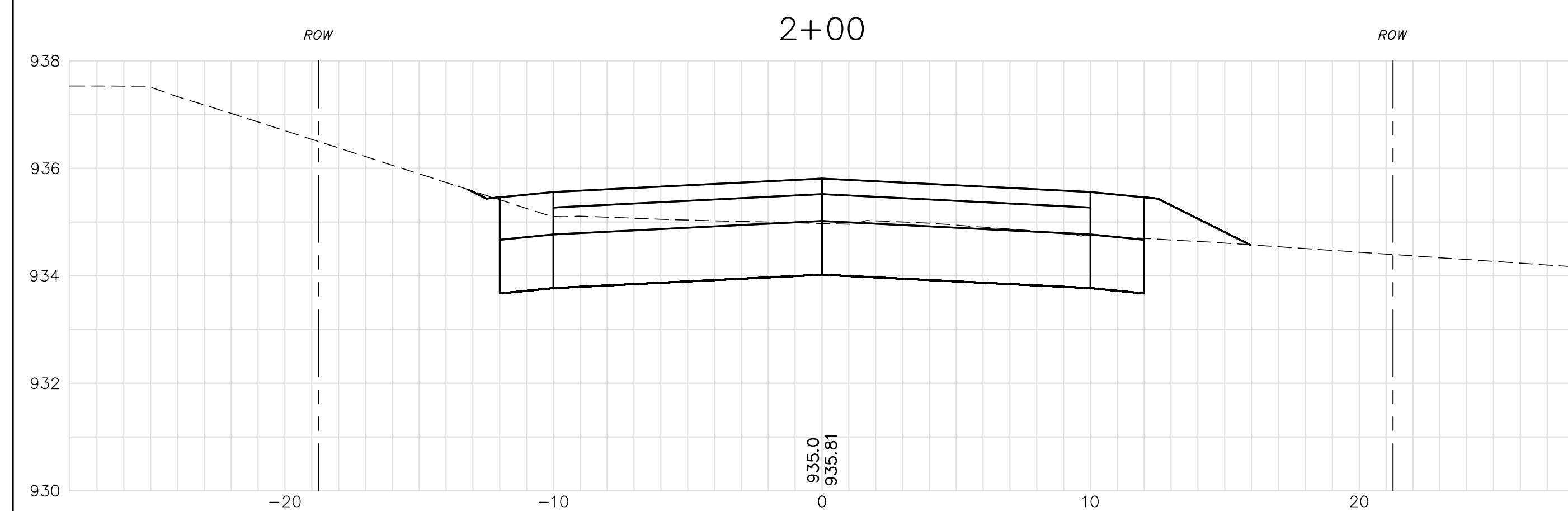
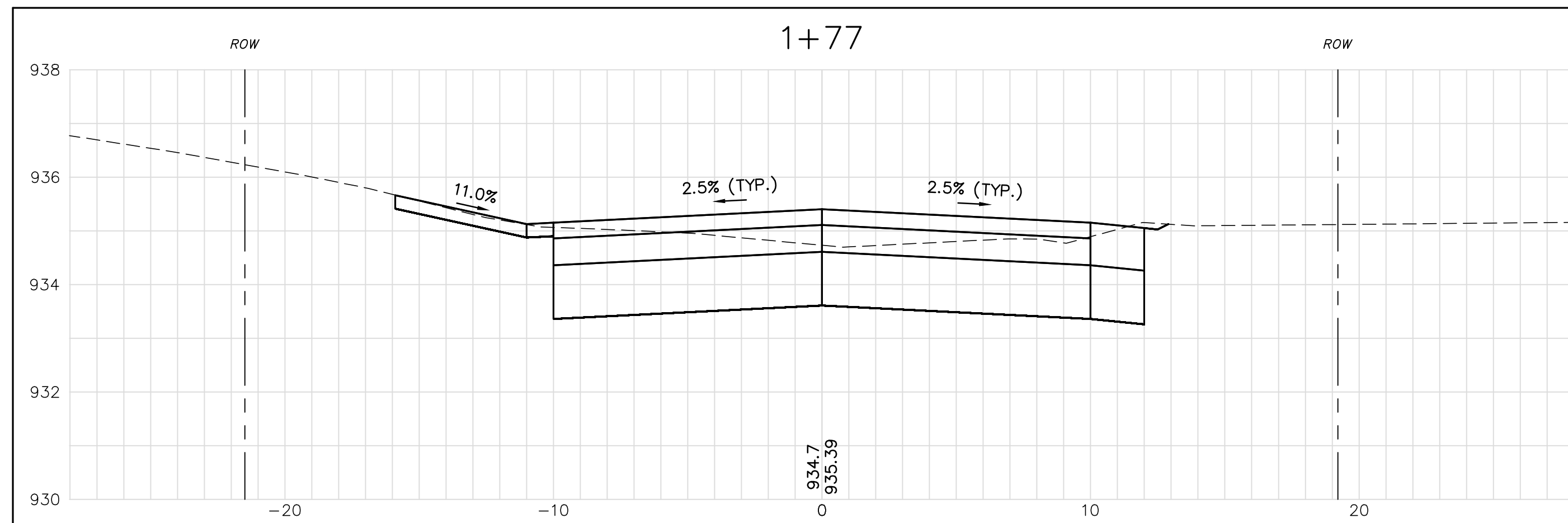
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DWG NO C-8		SHEET 10 OF 22	
THIRD STREET PLAN & PROFILE			
FIRST-FOURTH STREET INFRASTRUCTURE PROJECT			
TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE			
UNDERWOOD engineers			
99 North State Street, Concord, N.H. 03301 Tel. 603-230-9898 Fax. 603-230-9899			
PRELIMINARY JUNE 2017 NOT FOR CONSTRUCTION		ISSUE FOR APPROVAL By CONSTRUCTION By RECORD DRAWING By	
Drawn/Chk. RMG		APPROVAL	
Designed PJP		By	
Checked PJP		Date	
Approved PJP		CONSTRUCTION	
Date 6/14/2017		By	
Book No.		RECORD DRAWING	
Project No. 1944		By	
Dwg. ID 1944_Base		Date	
Scale AS SHOWN		REVISIONS	
NO.		APPROVAL	



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		Drawn/Ck. _____ RMG _____ Designed _____ PJP _____ Checked _____ PJP _____ Approved _____ Date _____ 6/14/2017 _____ Book No. _____ Project No. 1944 _____ Orig. ID 1944_bbase _____ Scale AS SHOWN _____			
FOURTH STREET PLAN & PROFILE		FIRST-FOURTH STREET INFRASTRUCTURE PROJECT			
DWG NO	SHEET				
C-9	11 OF 22				

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KNOLL STREET
CROSS SECTIONS

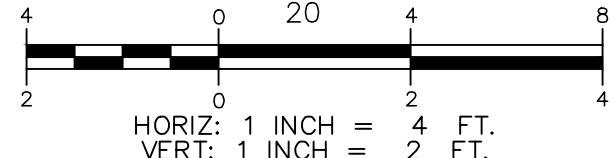
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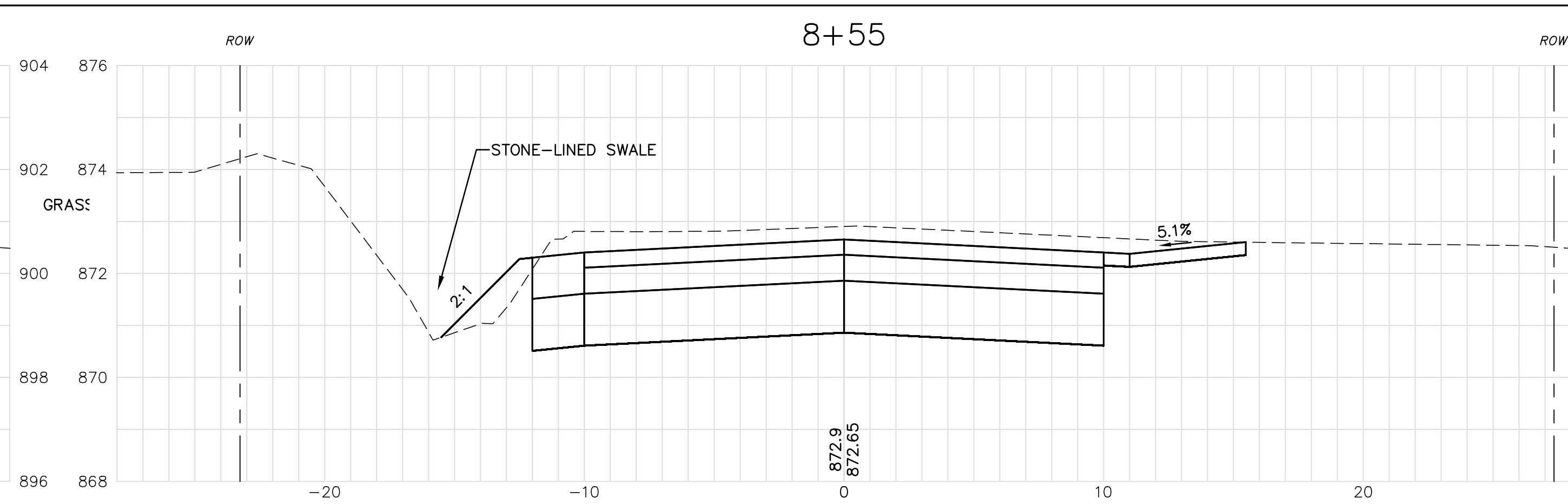
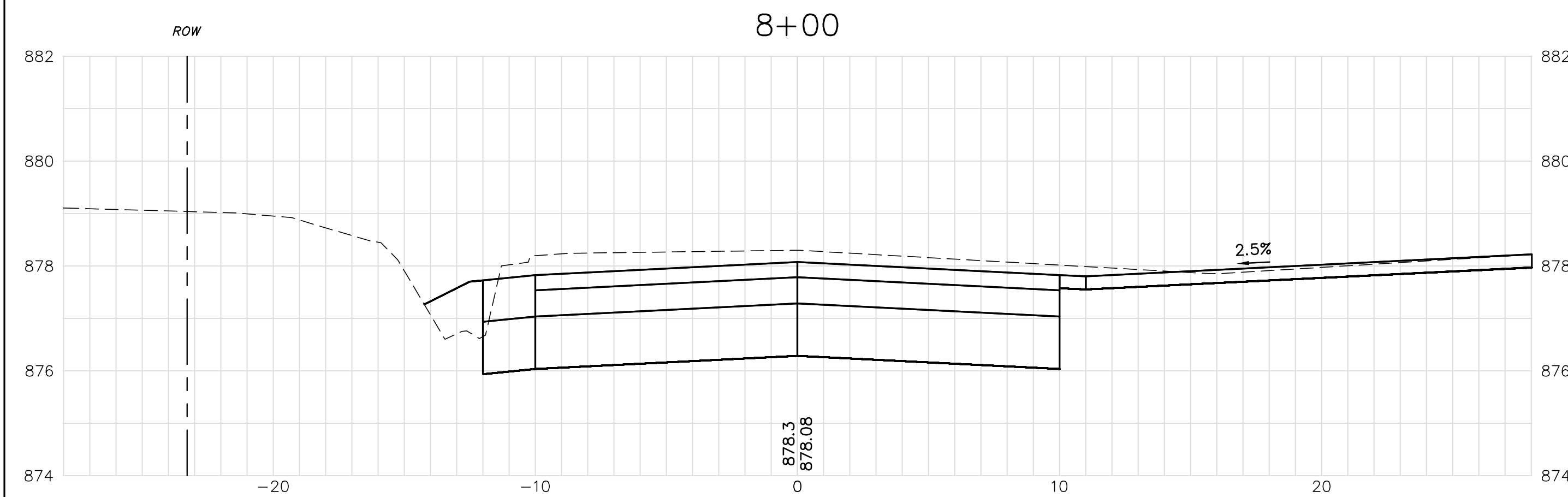
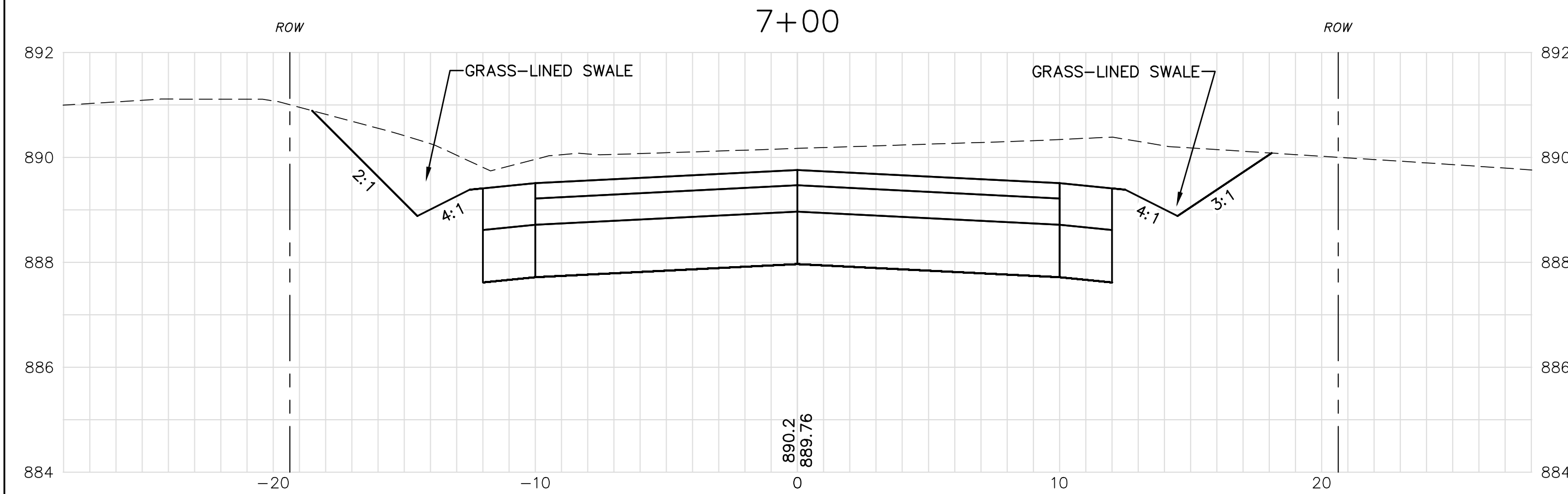
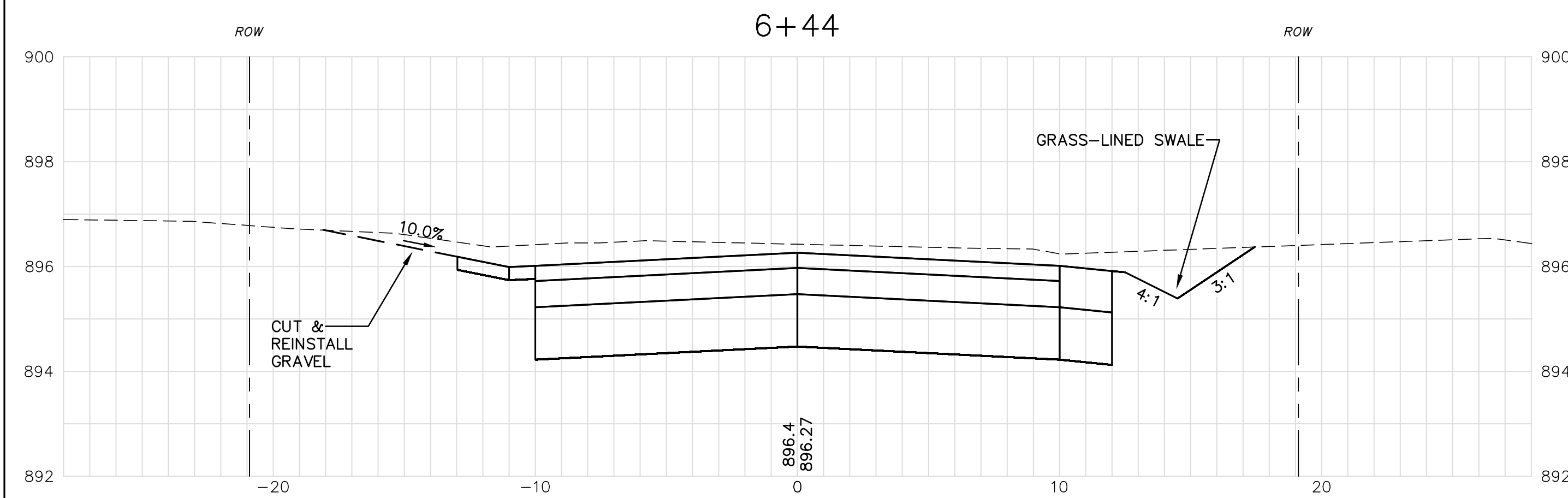
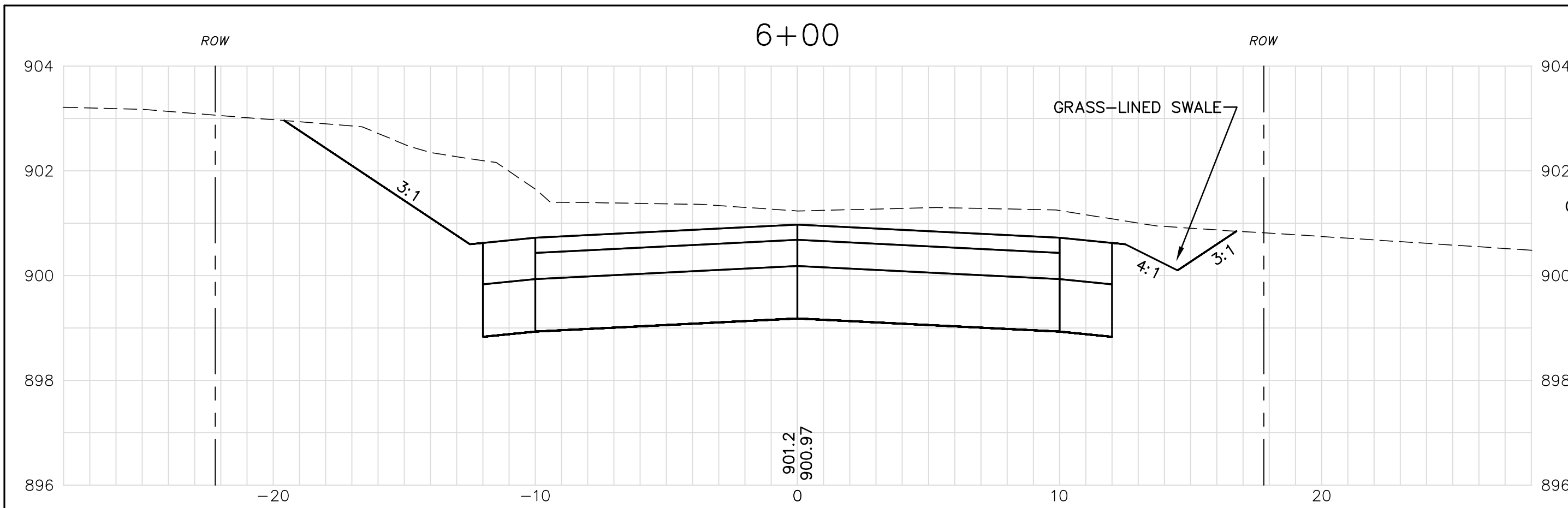
TOWN OF NEWPORT
NEWPORT, NEW HAMPSHIRE

<u>DWG NO</u> X-1	<u>SHEET</u> 13 OF 22
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Designed/ P.P	P.P					
Checked/ P.P	P.P					APPROVAL By
Approved						
Date	6/14/2017					CONSTRUCTION By
Book No.						
Project No.	1944					RECORD DRAWING By
Dwg. ID	1944-phase					
Scale	AS SHOWN					REVISIONS
						APP'D
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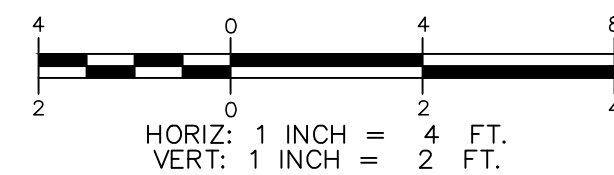
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KNOLL STREET
CROSS SECTIONS

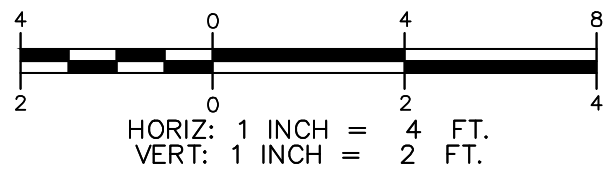
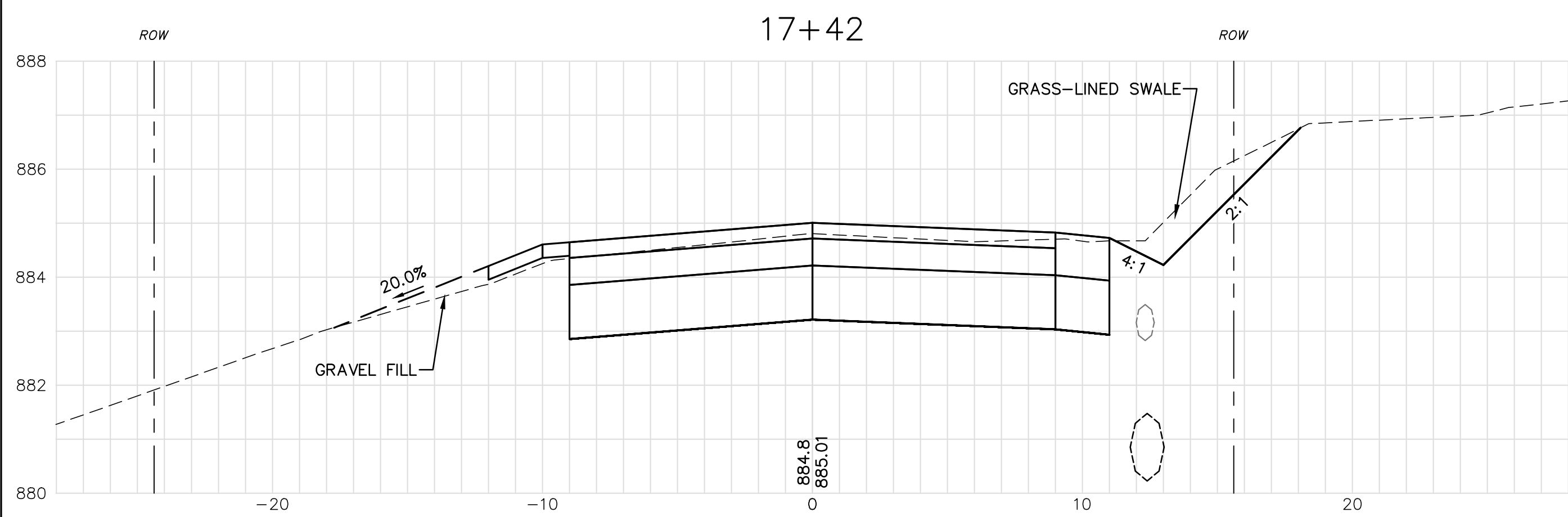
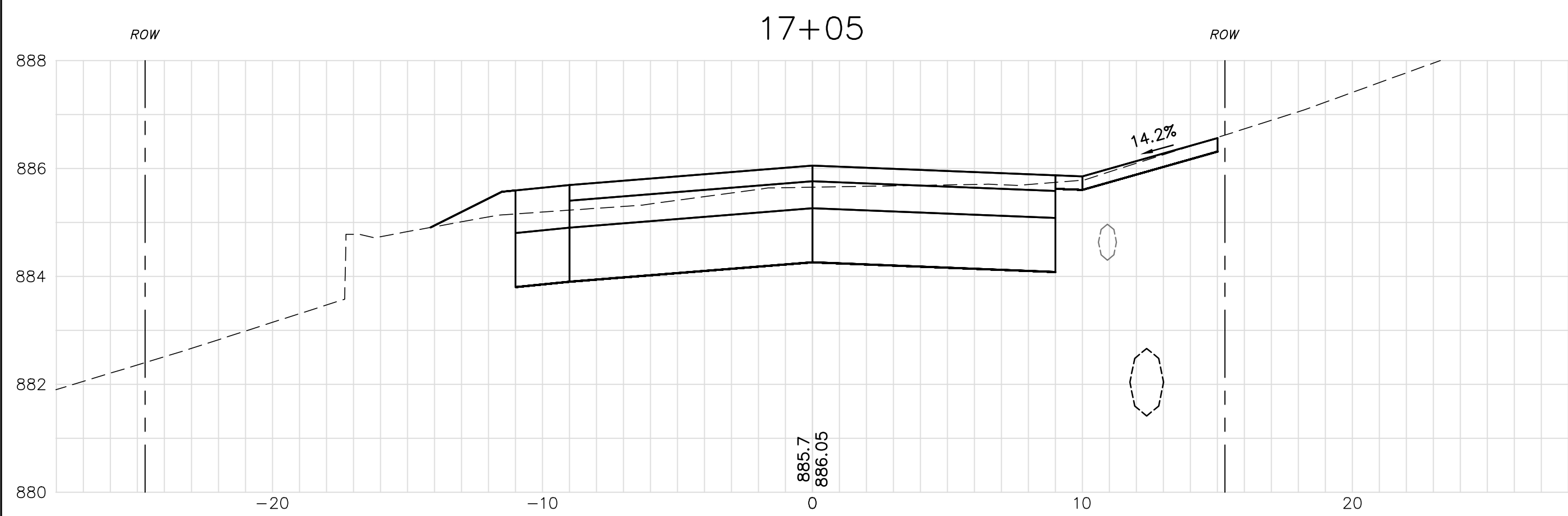
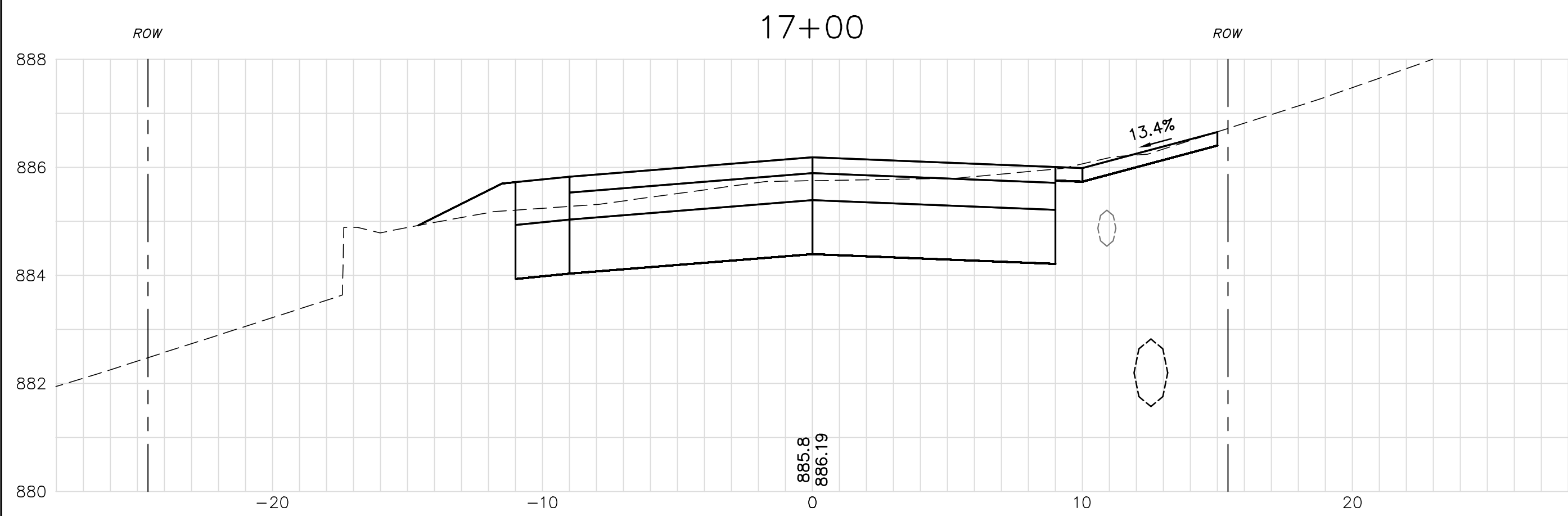
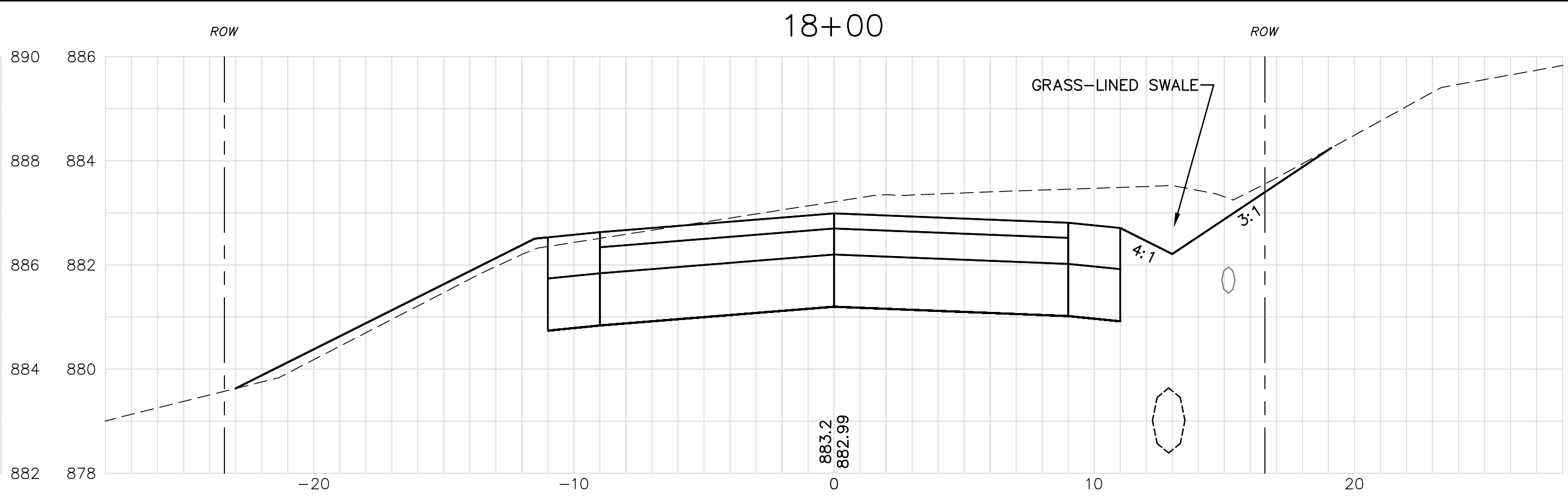
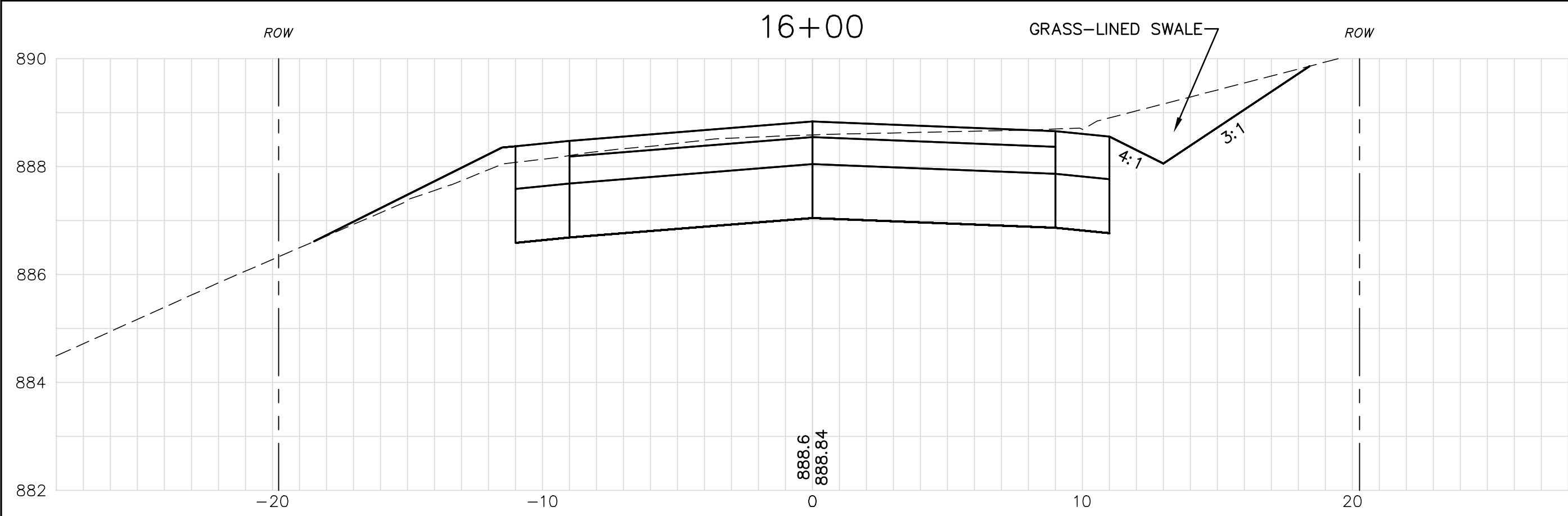
FIRST-FOURTH STREET INFRASTRUCTURE PROJECT
TOWN OF NEWPORT
NEWPORT, NEW HAMPSHIRE

DWG N

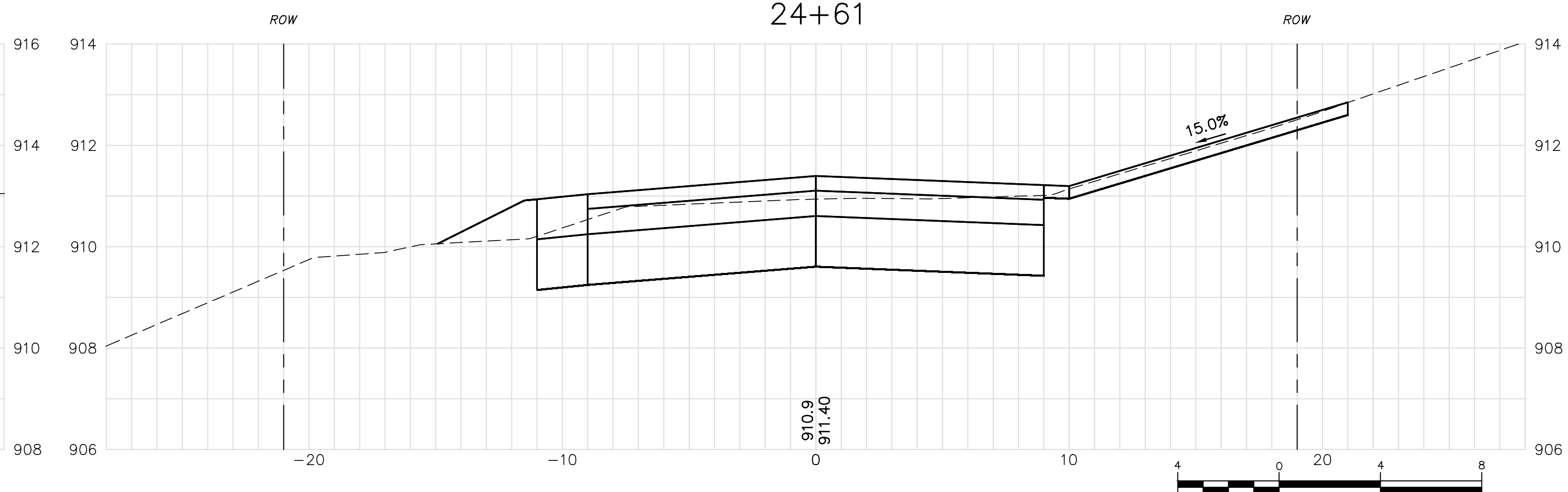
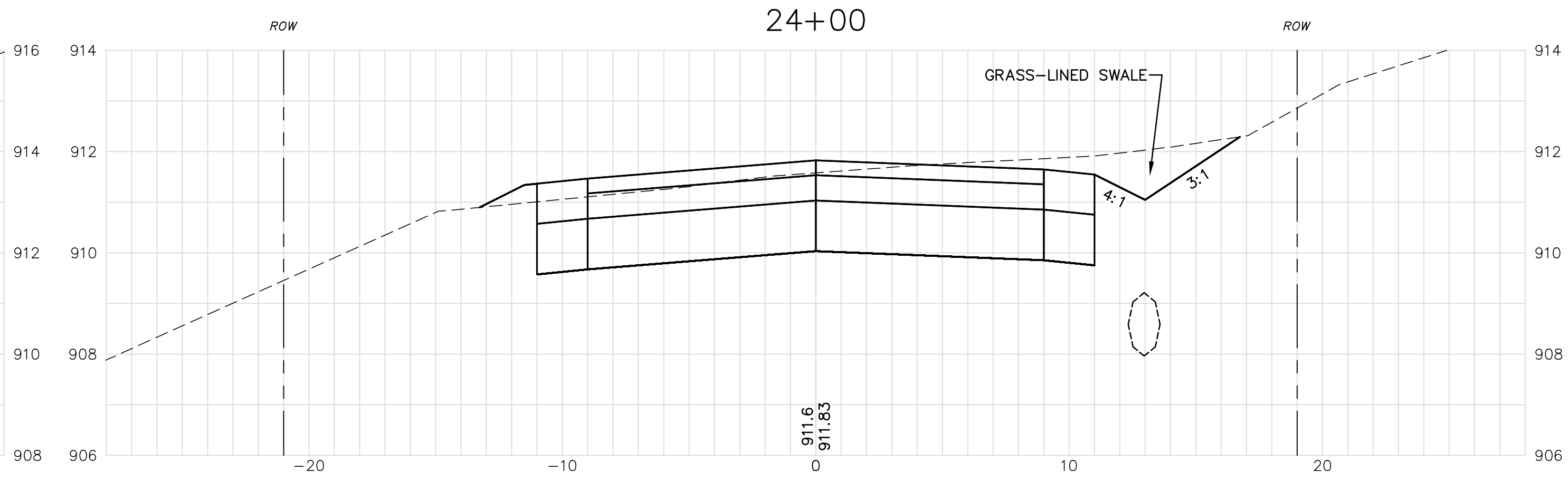
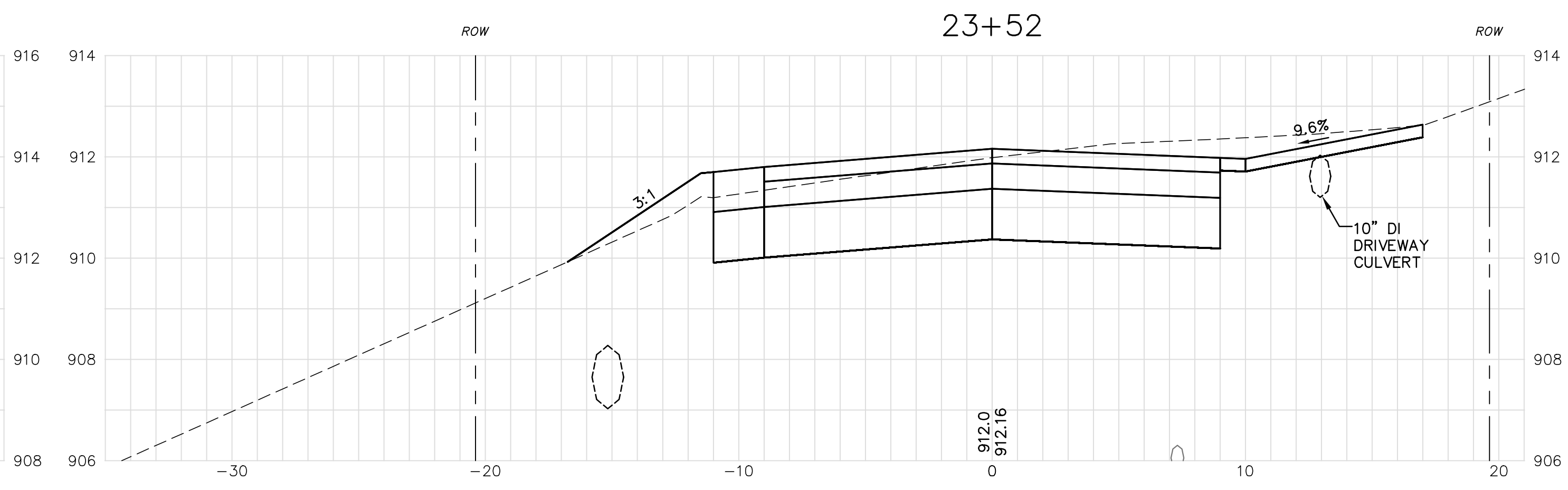
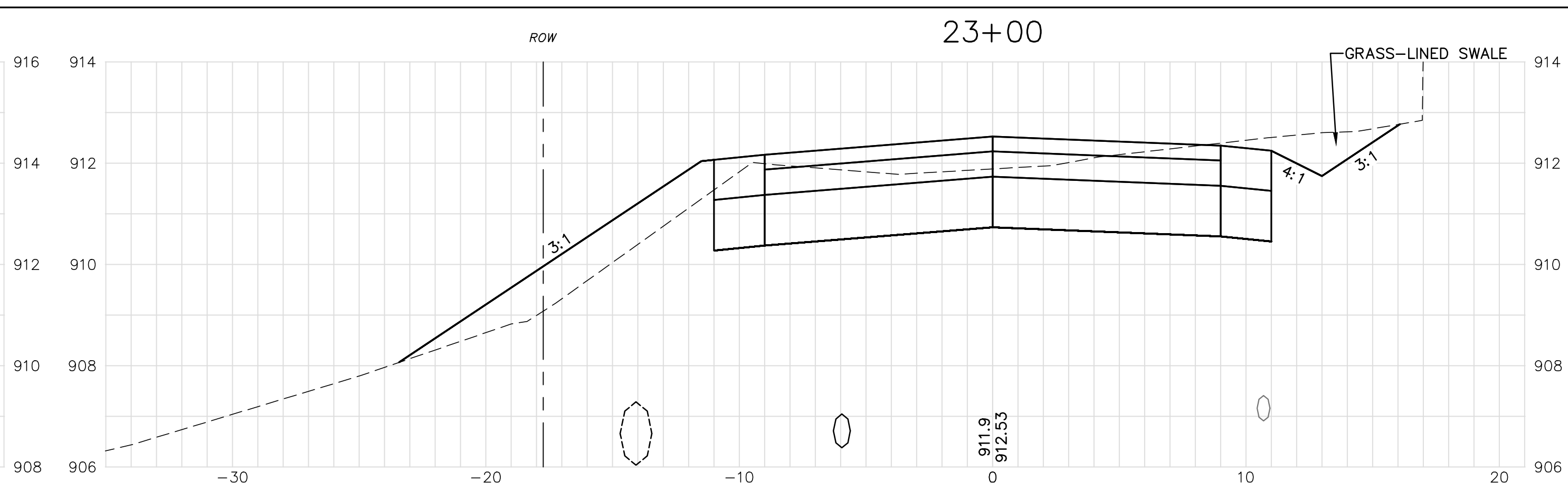
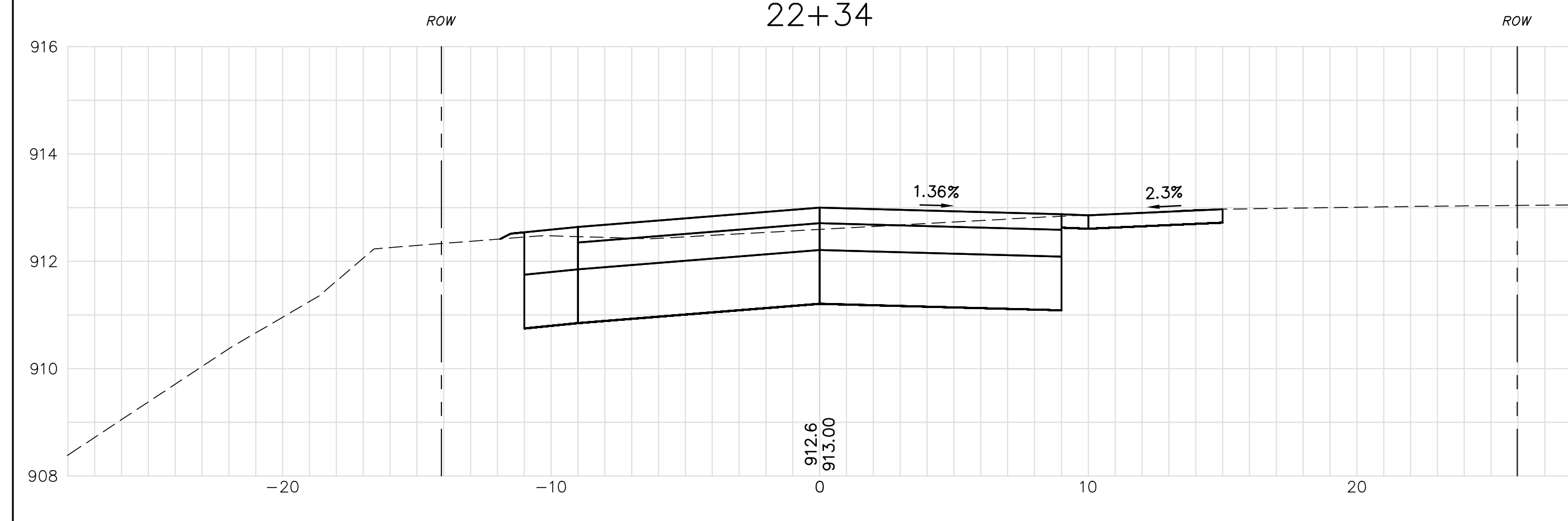
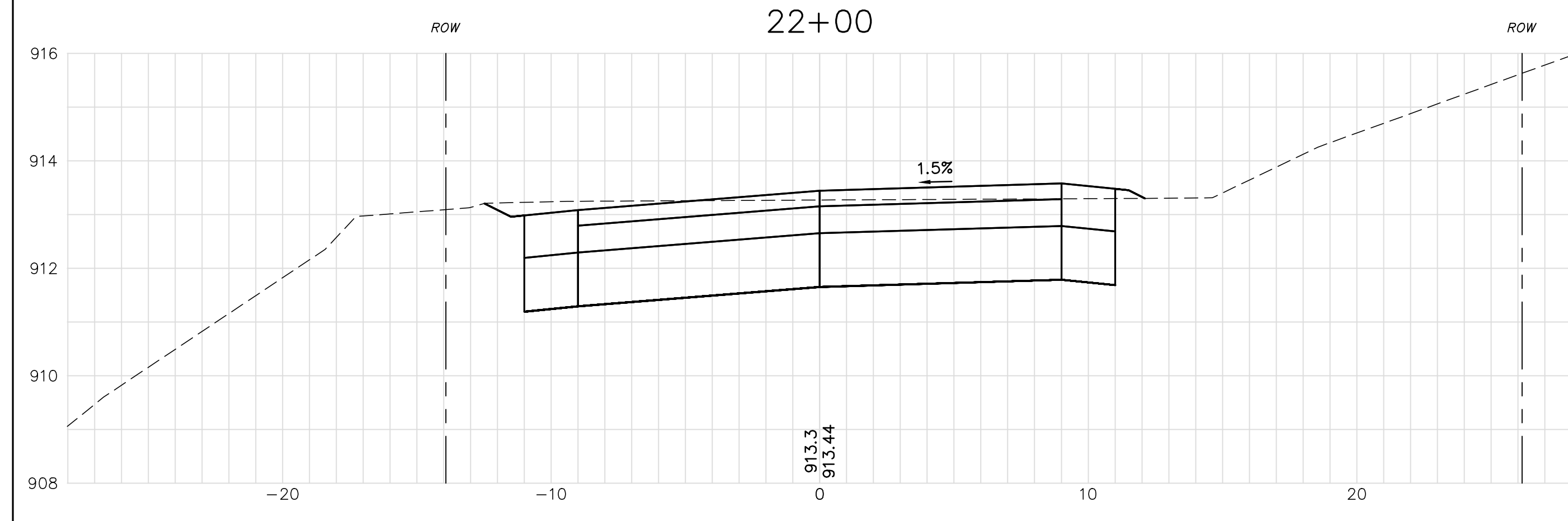
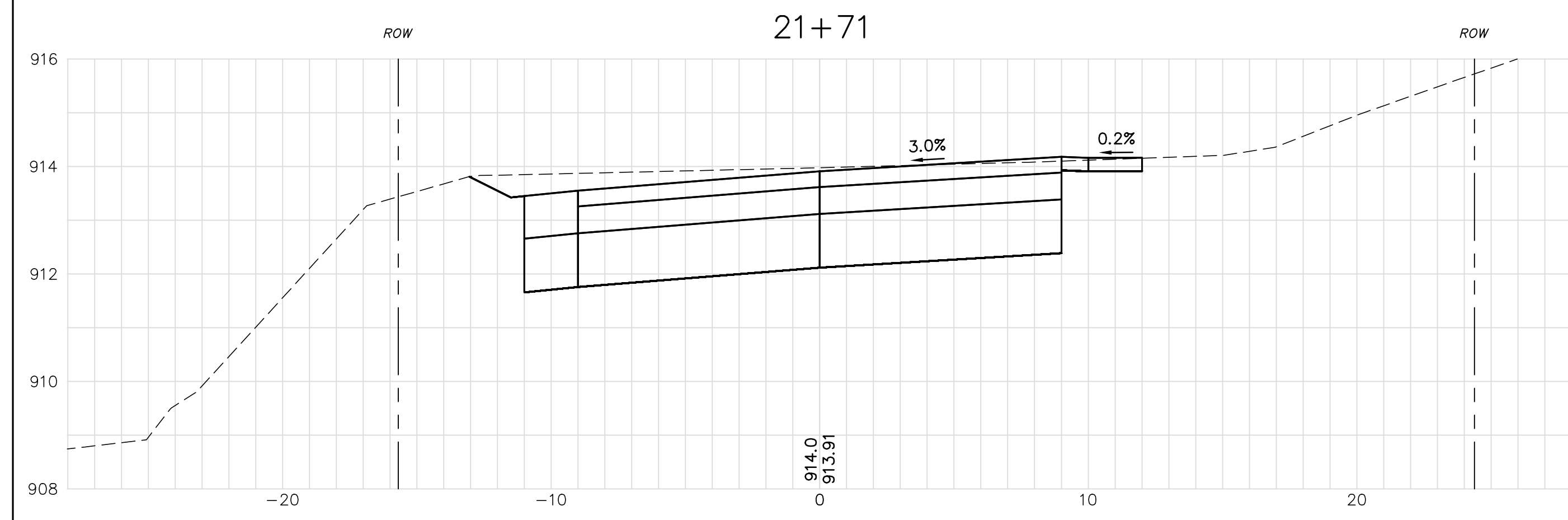
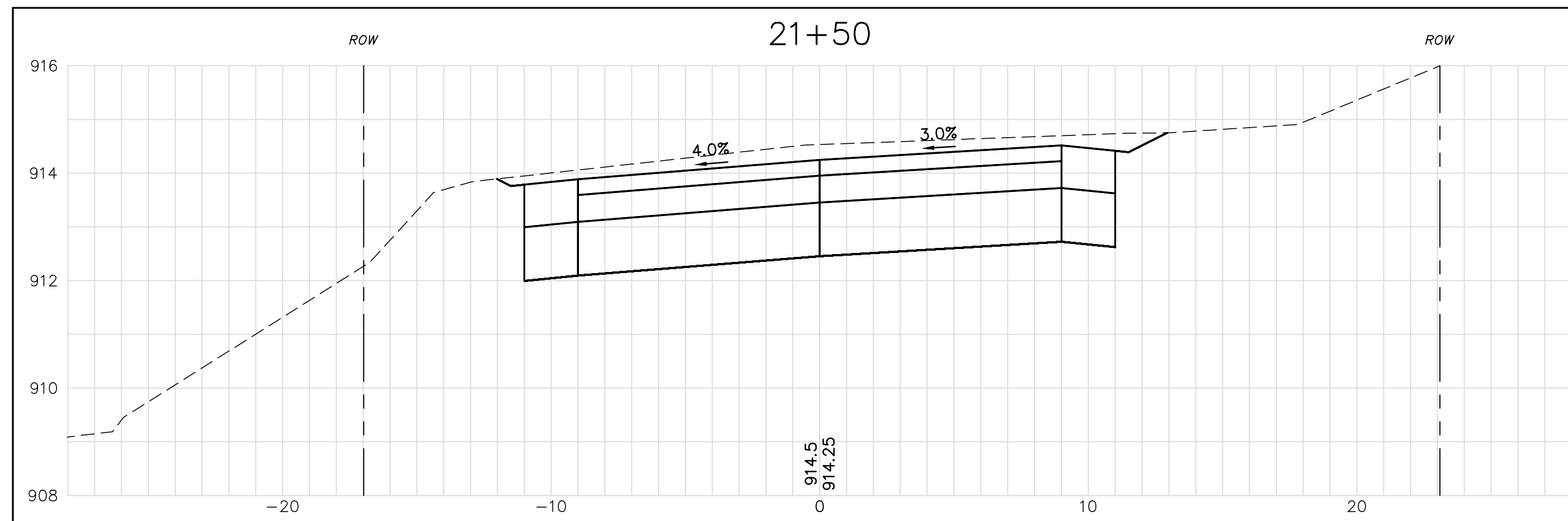
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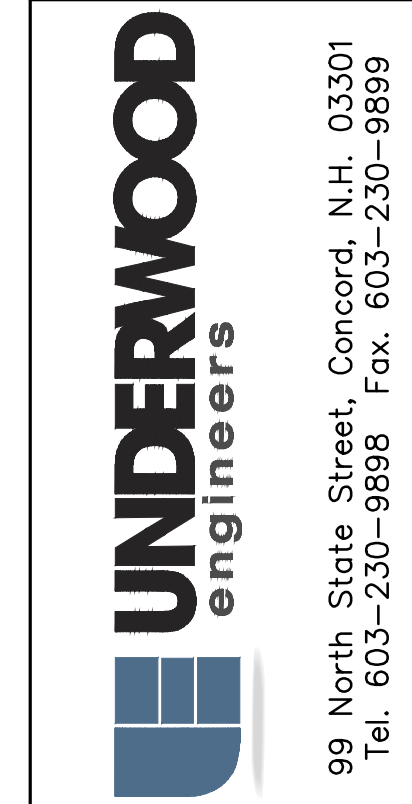


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FIRST STREET CROSS SECTIONS			
FIRST-FOURTH STREET INFRASTRUCTURE PROJECT			
TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE			
UNDERWOOD engineers 99 North State Street, Concord, N.H. 03301 Tel. 603-230-9898 Fax. 603-230-9899			
PRELIMINARY JUNE 2017 NOT FOR CONSTRUCTION			
Drawn/Chk. RMG Designed PJP Checked PJP Approved PJP Date 6/14/2017 Book No. 1944 Project No. 1944_Lbase Dwg. ID 1944_Lbase Scale AS SHOWN		ISSUE FOR APPROVAL By Date CONSTRUCTION By Date RECORD DRAWING By Date REVISIONS NO.	



Drawn /Chk. <u>BMG</u>	☐				ISSUE FOR APPROVAL By
Designed <u>PJP</u>	☐				
Checked <u>PJP</u>	☐				
Approved _____	☐				CONSTRUCTION By
Date <u>6/14/2017</u>	☐				
Book No. _____	☐				
Project No. <u>1944</u>	☐				RECORD DRAWING By
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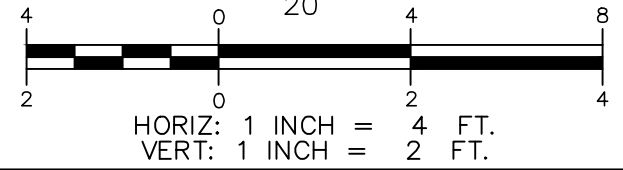
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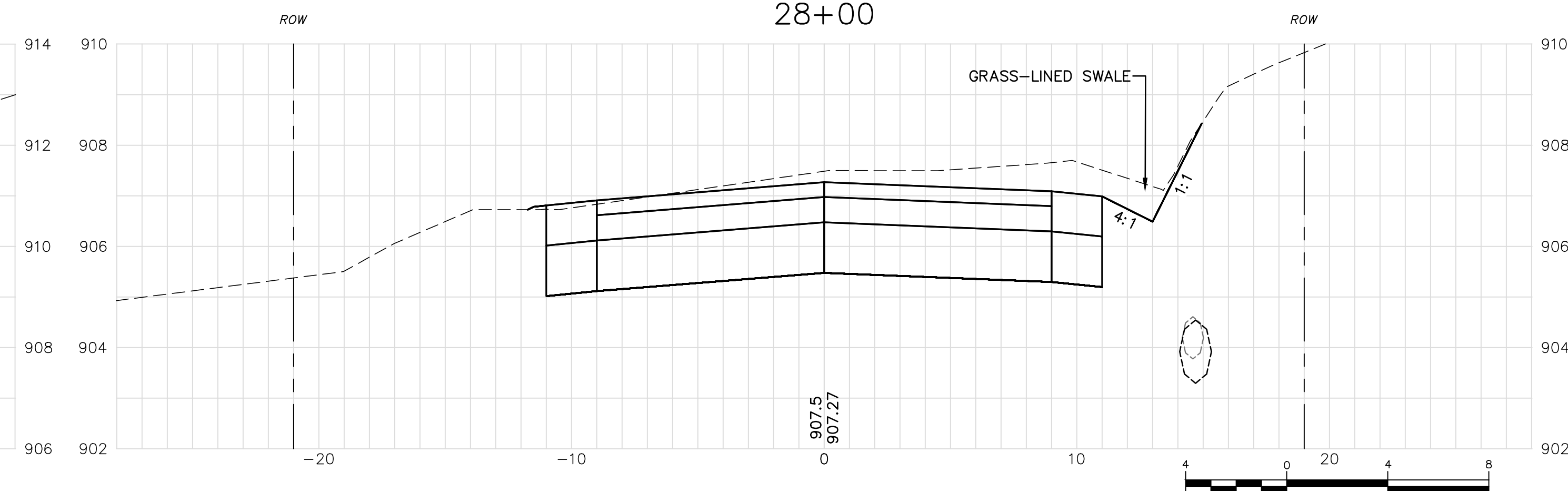
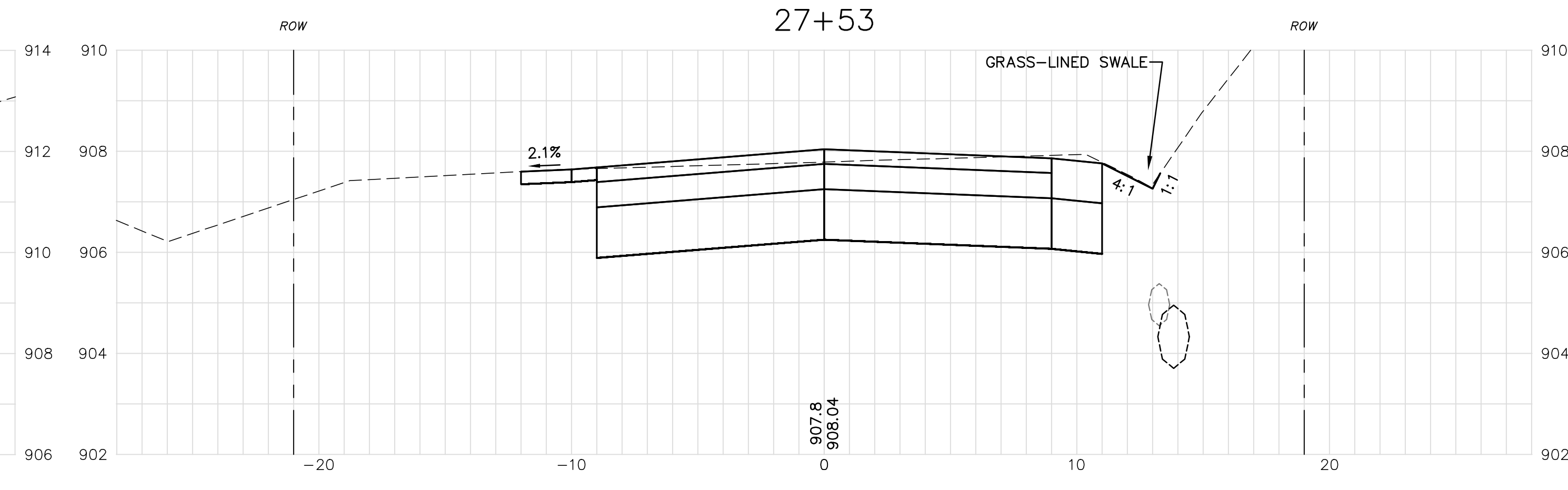
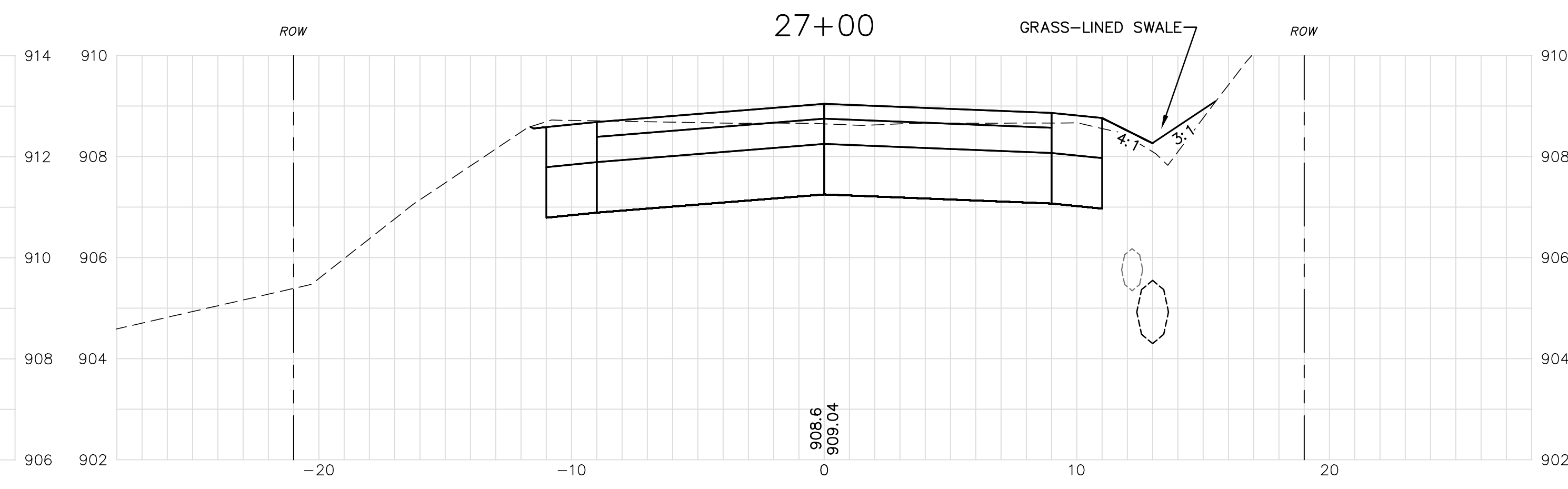
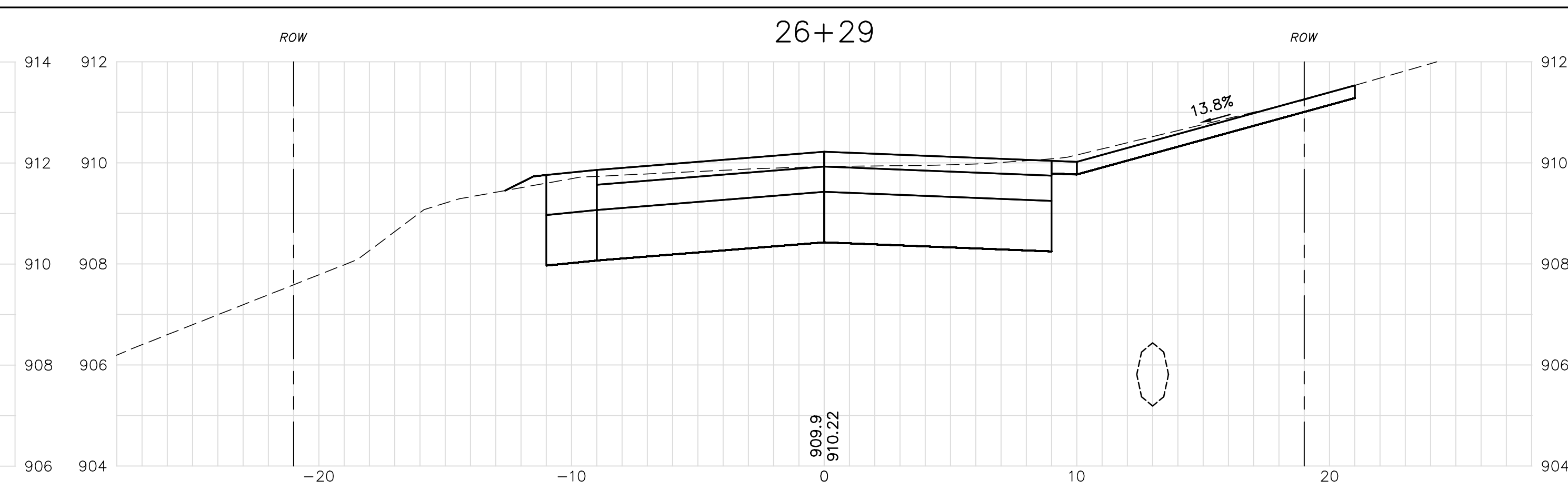
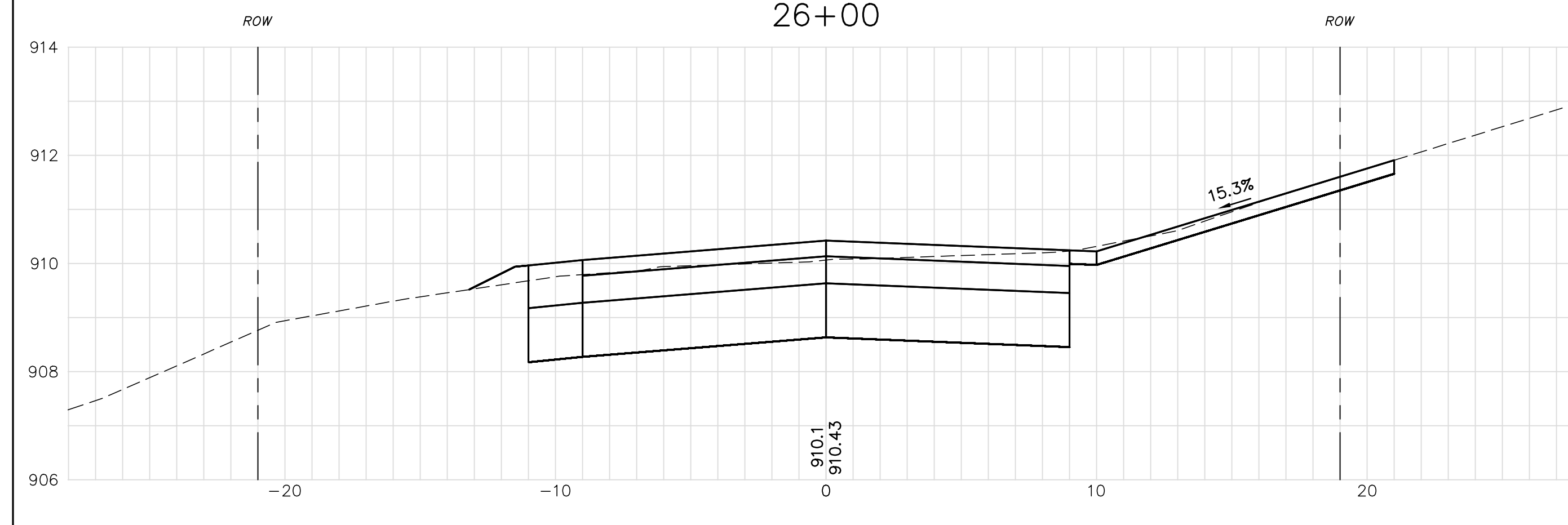
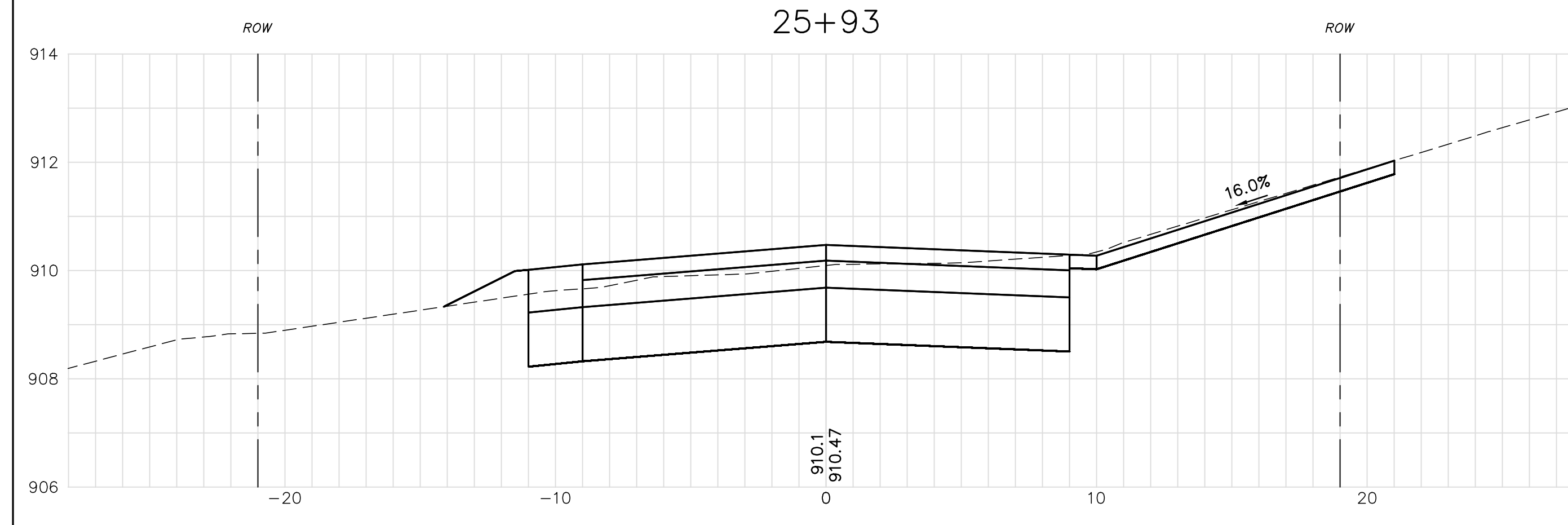
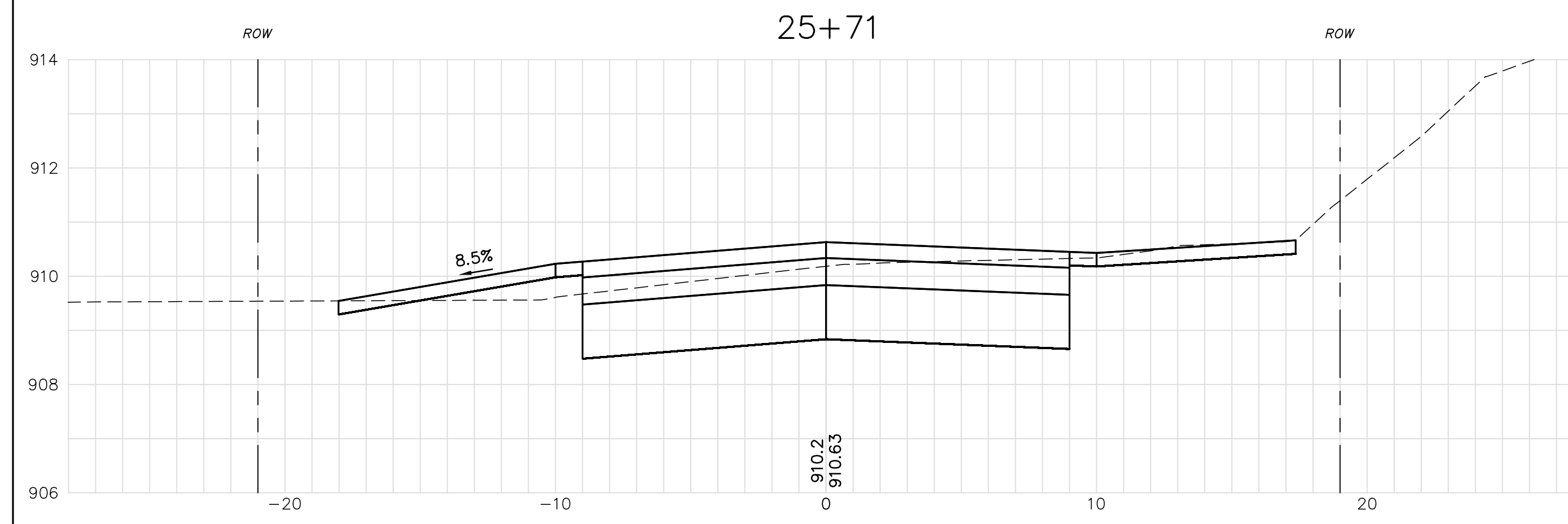
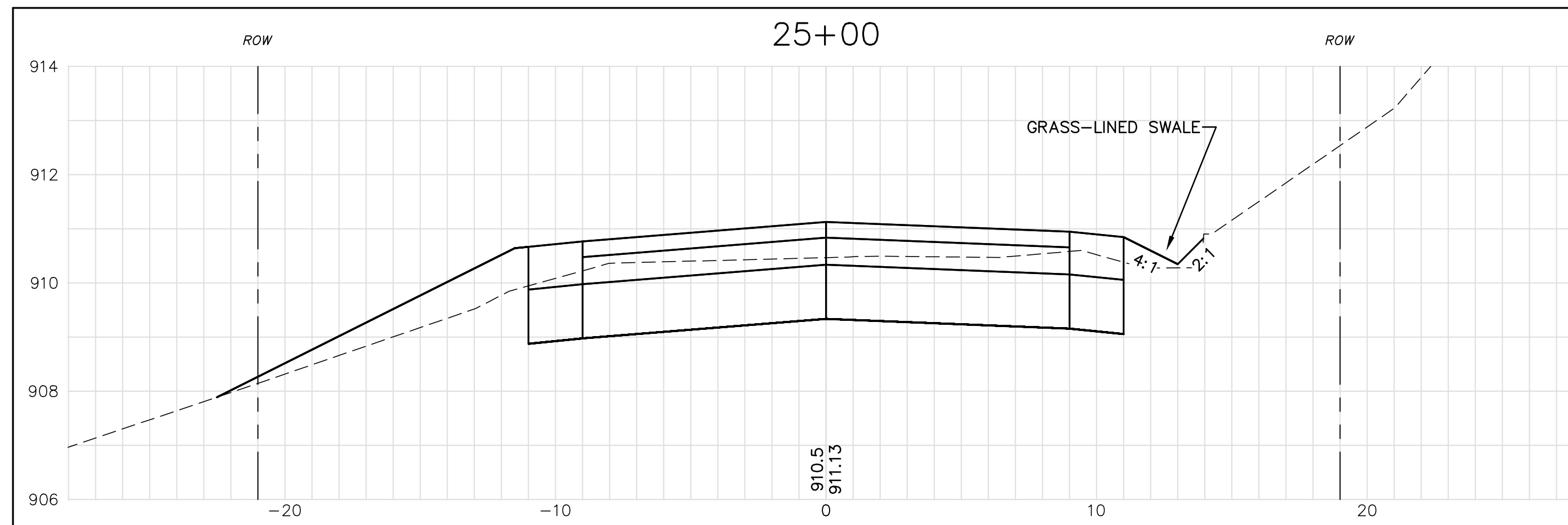
SECOND STREET
CROSS SECTIONS

FIRST-FOURTH STREET INFRASTRUCTURE PROJECT

TOWN OF NEWPORT
NEWPORT, NEW HAMPSHIRE

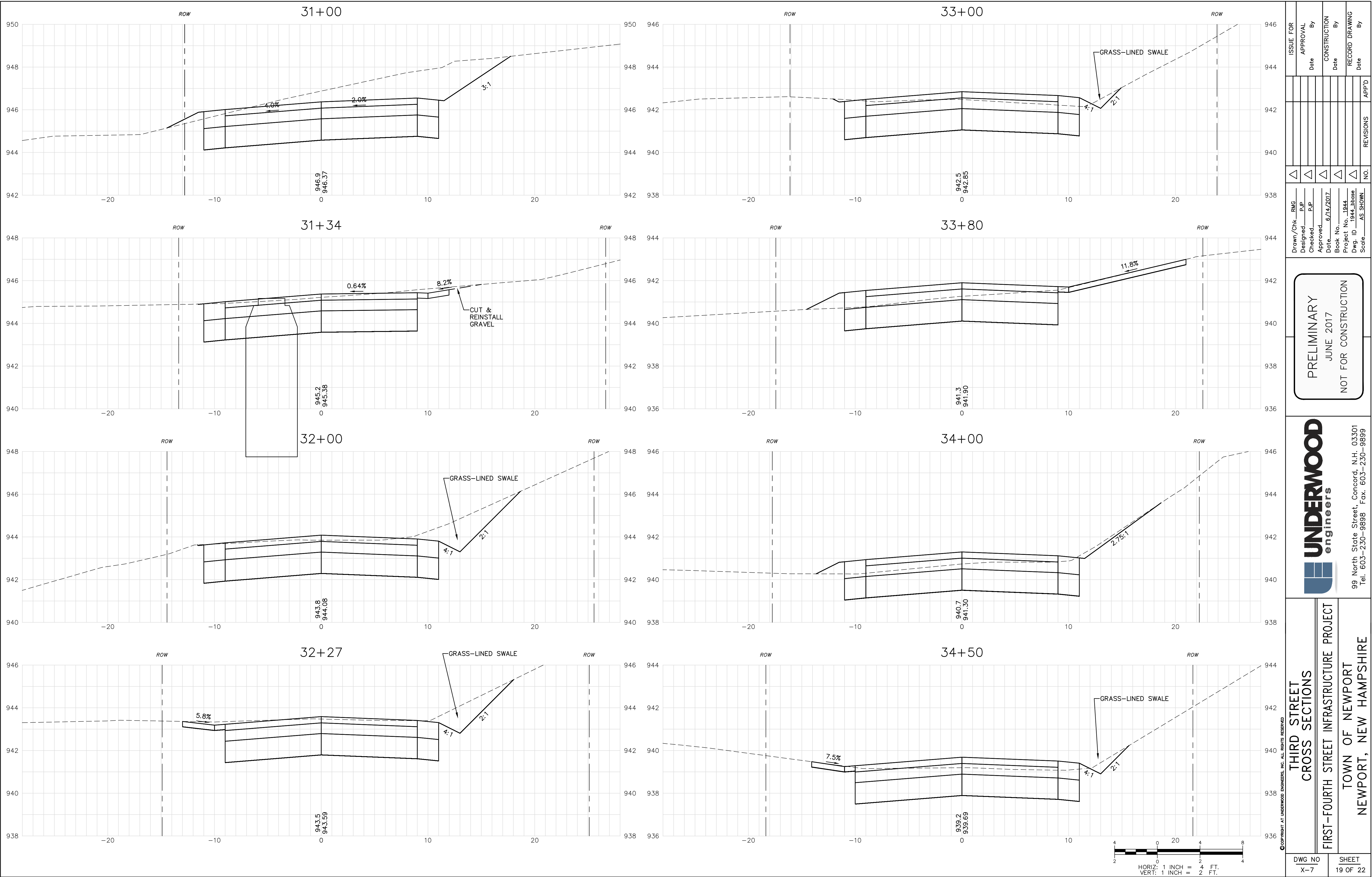
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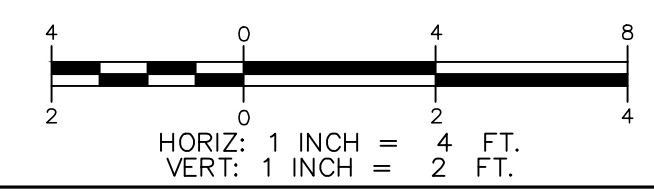
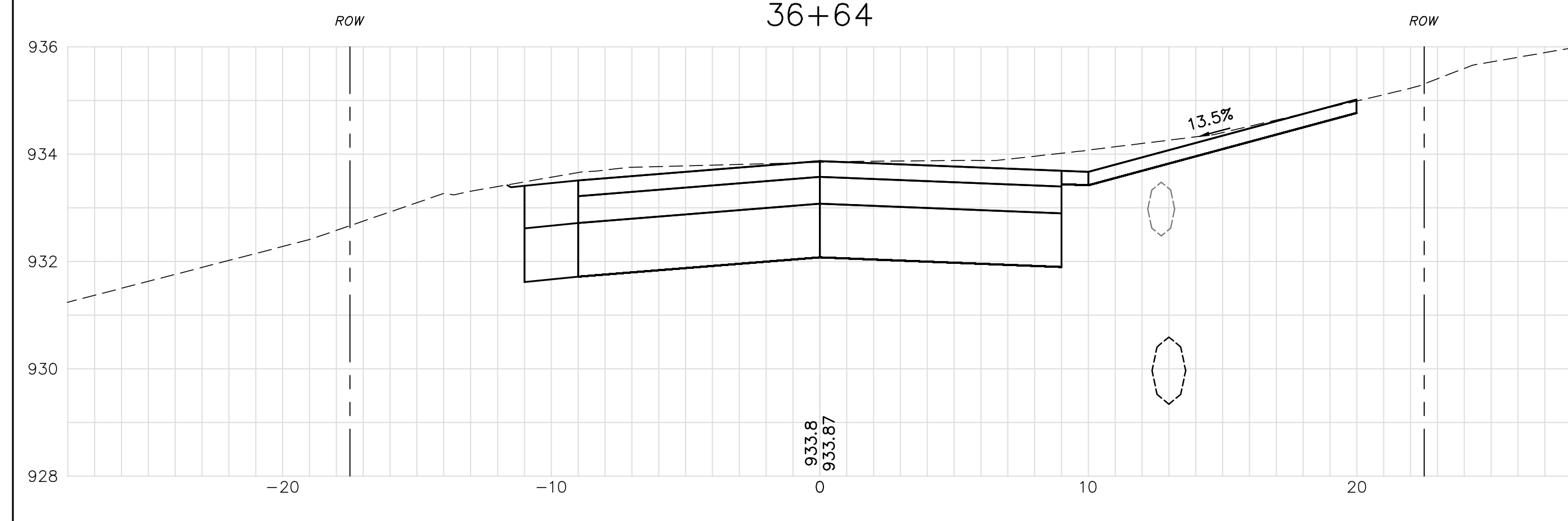
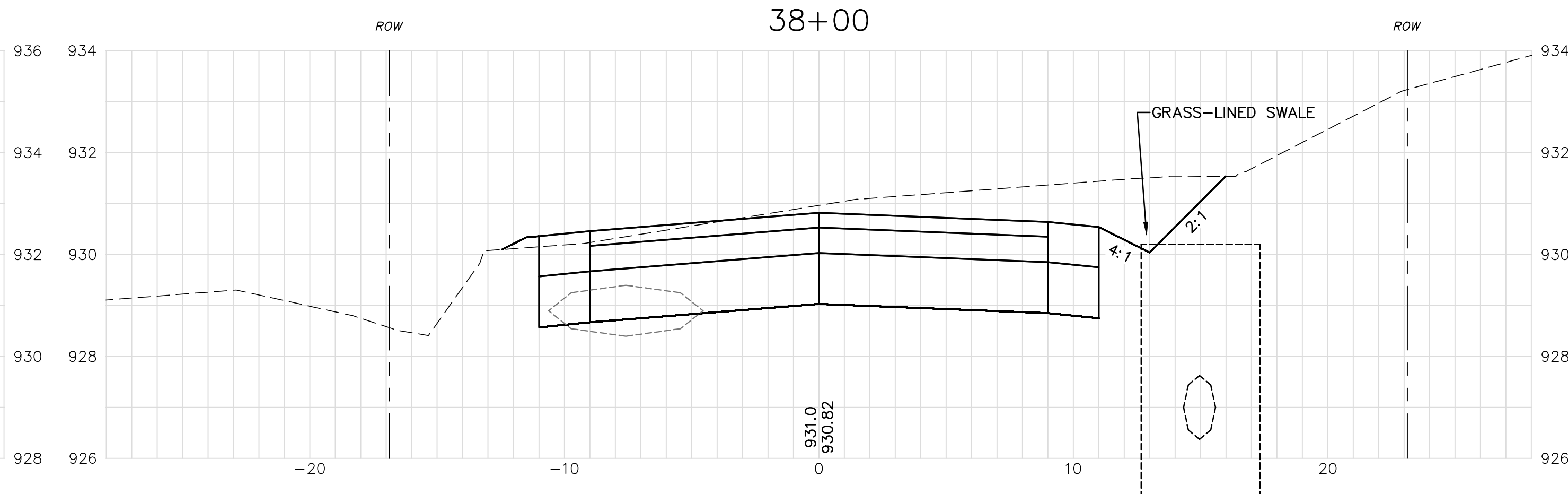
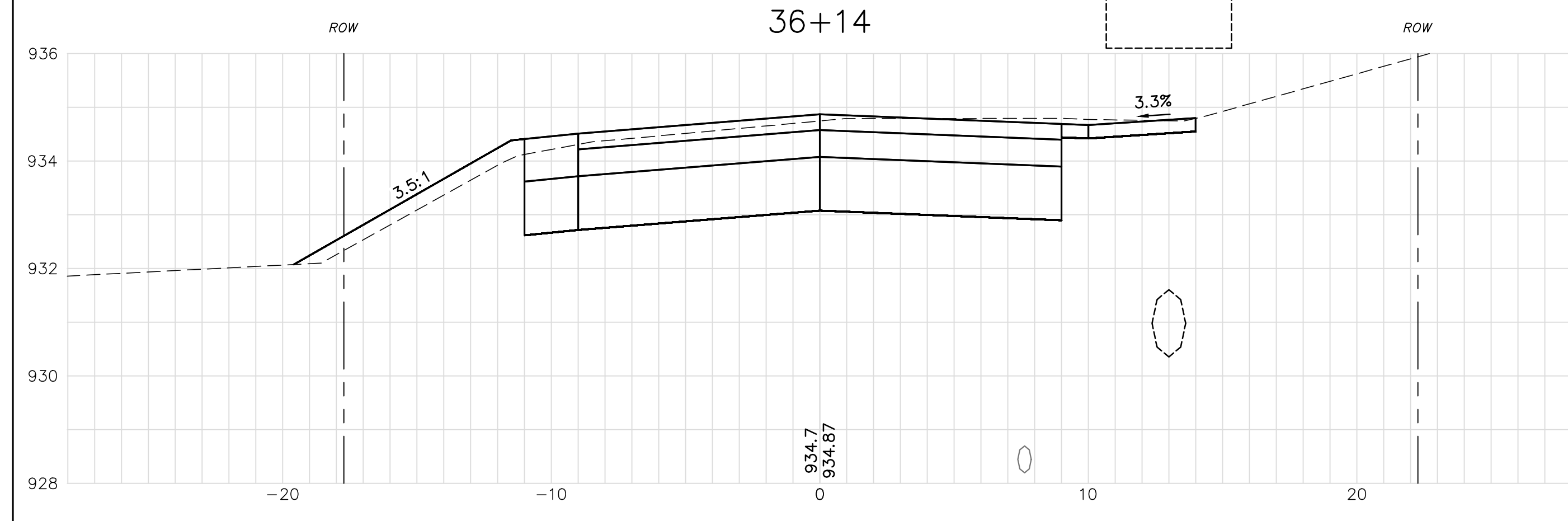
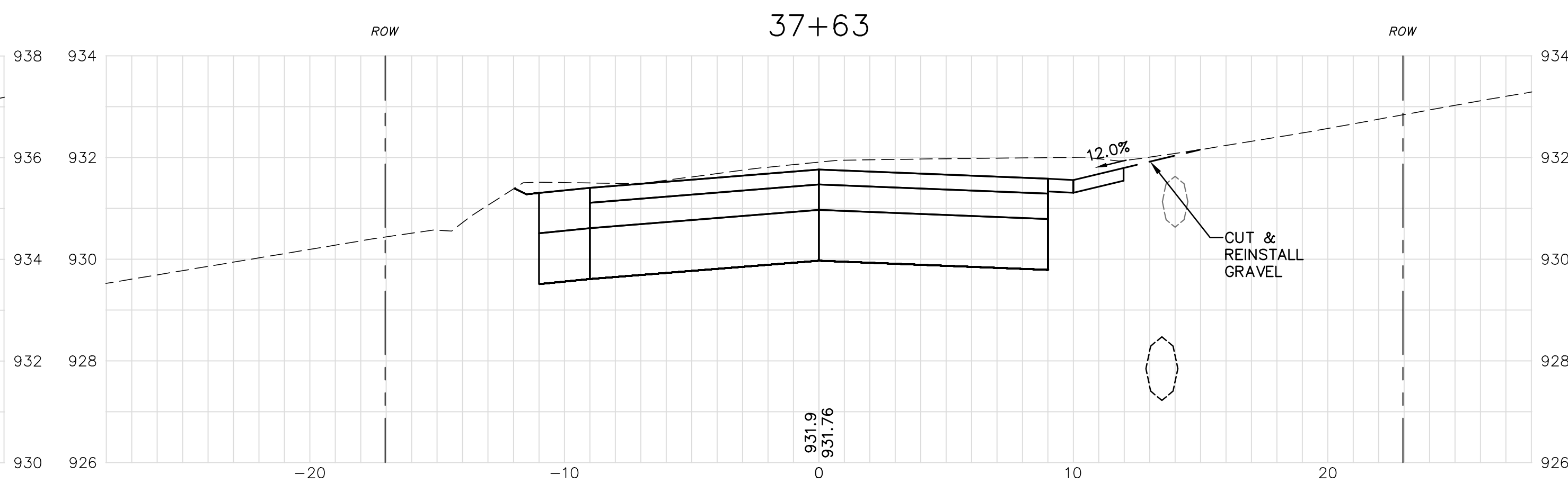
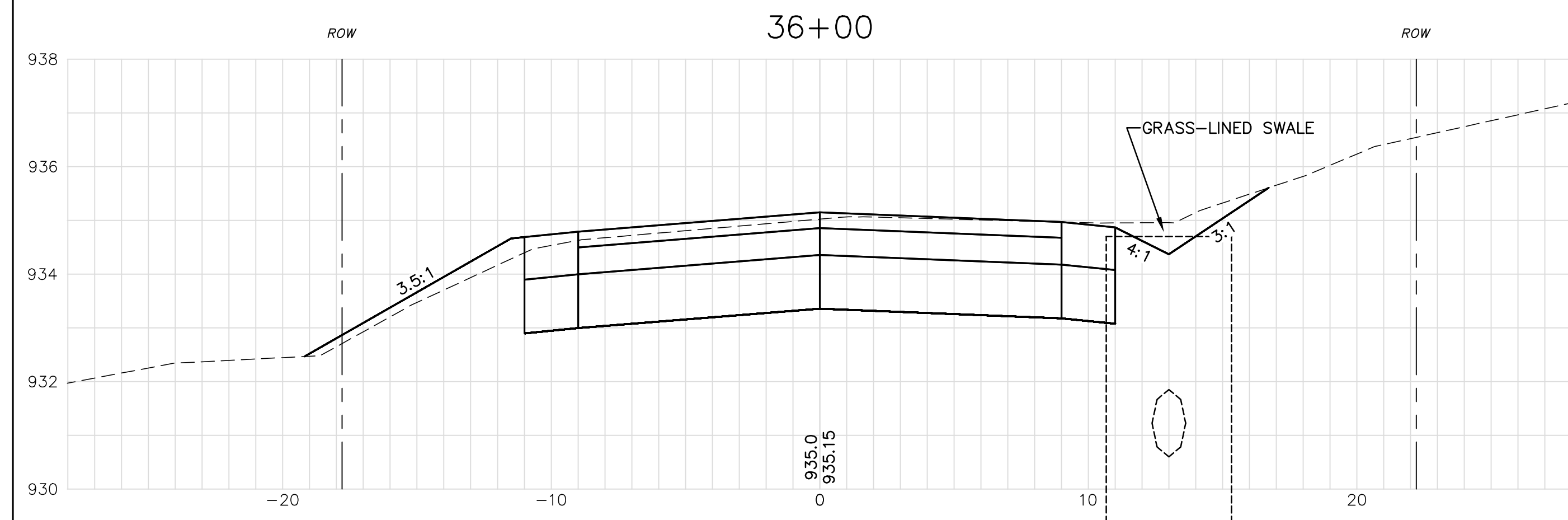
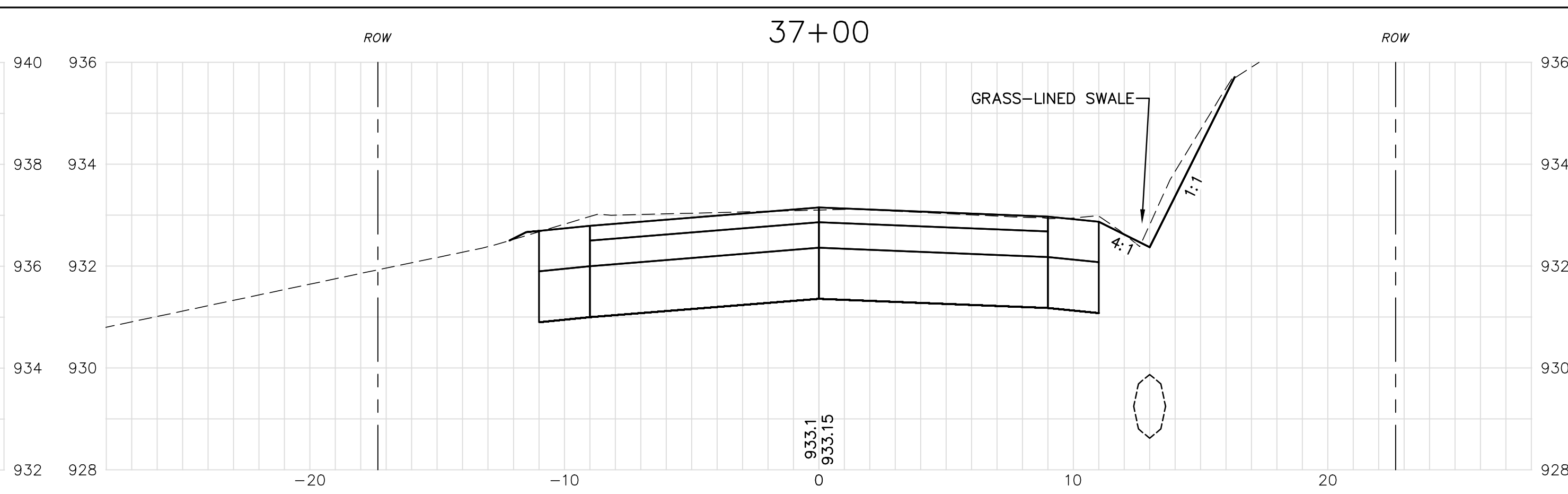
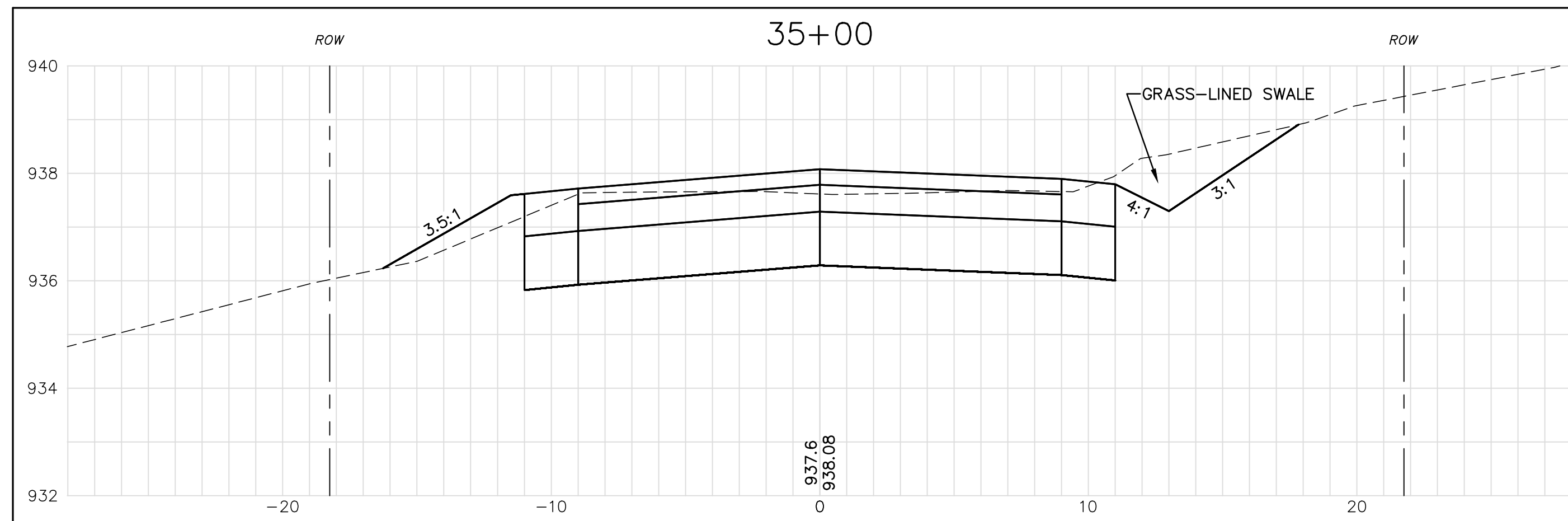


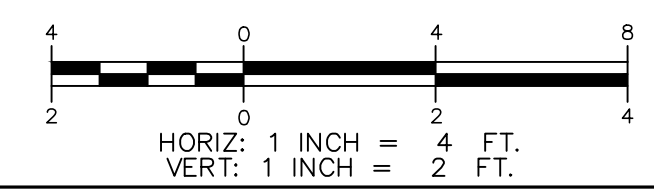
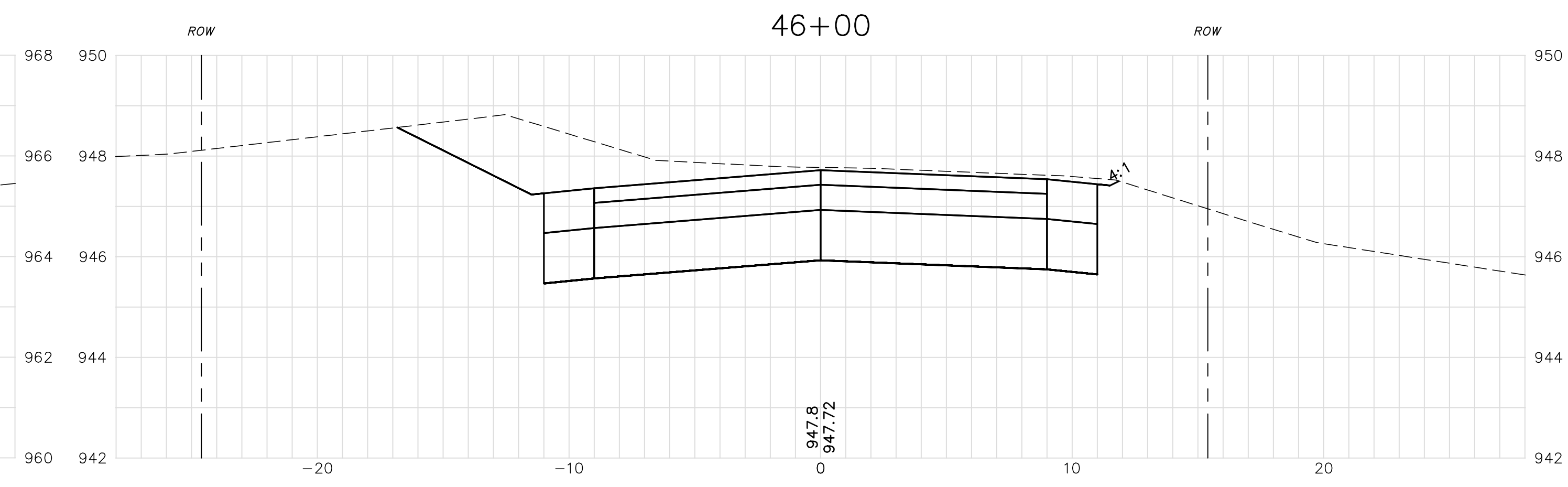
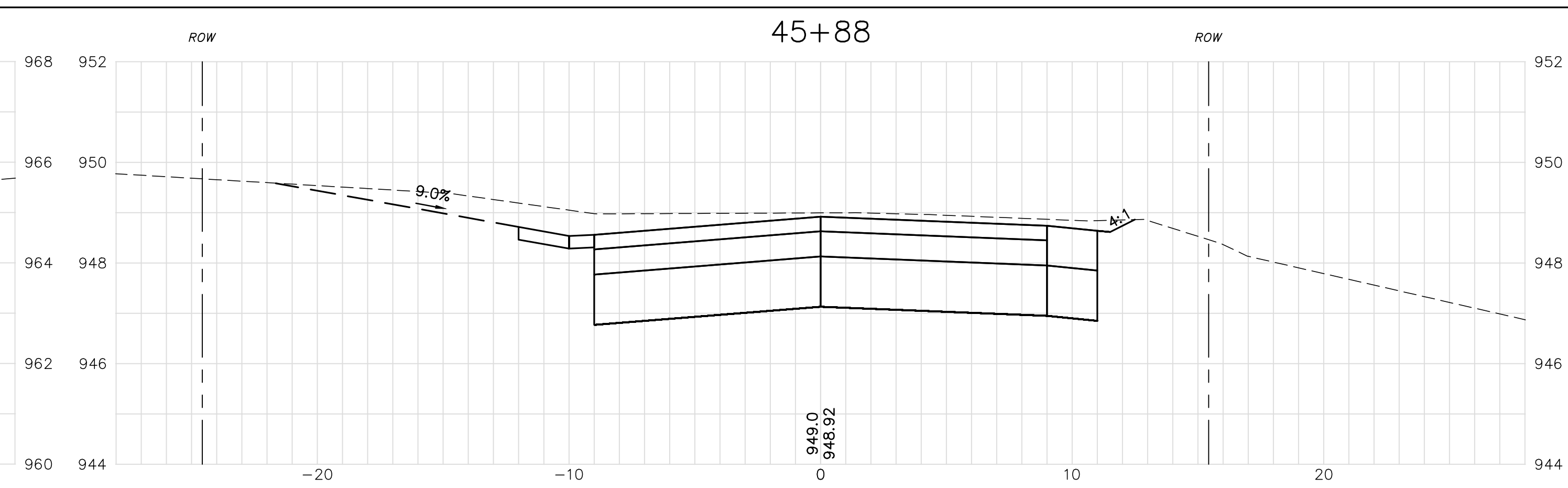
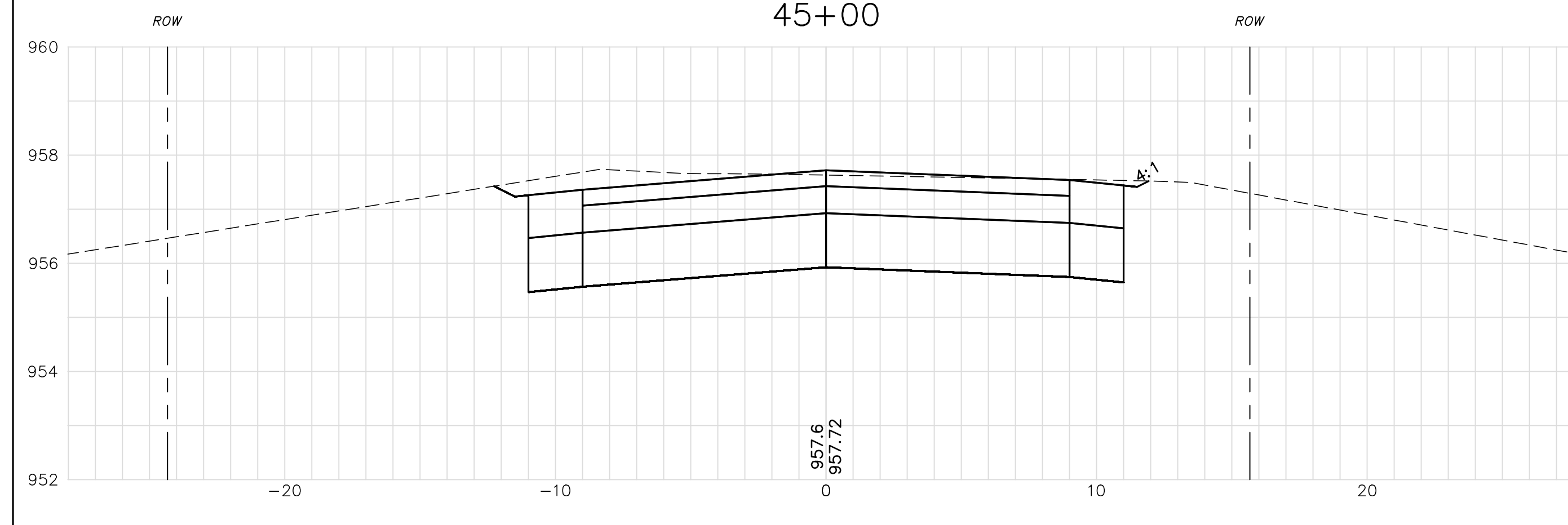
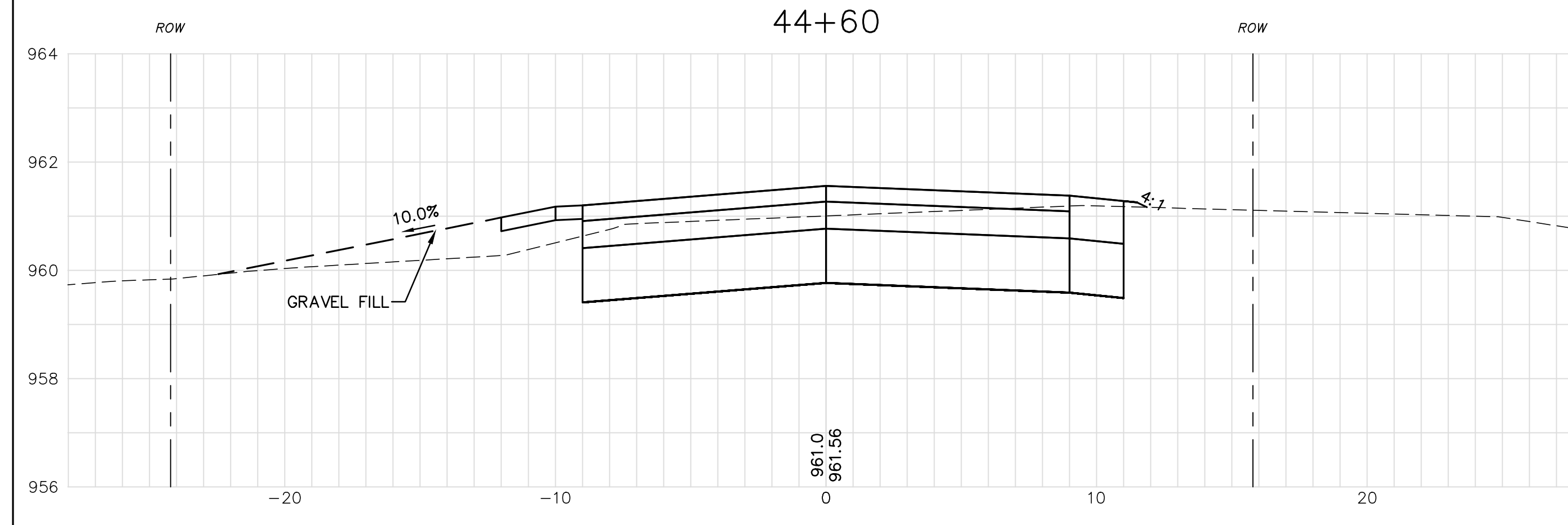
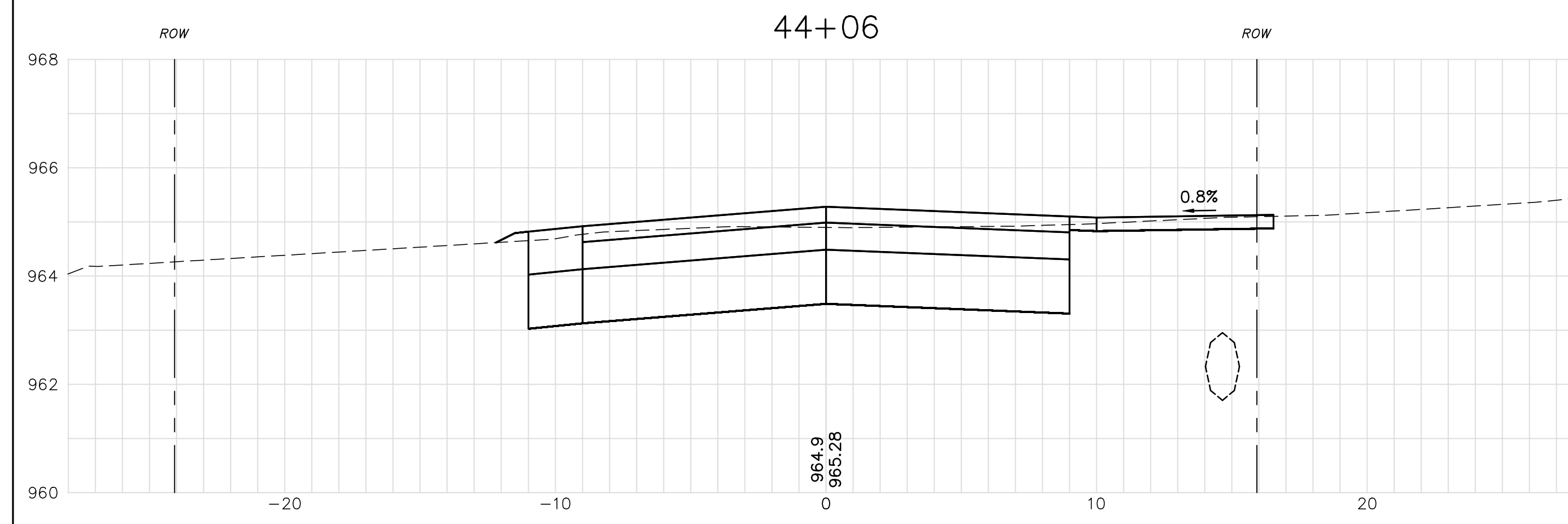
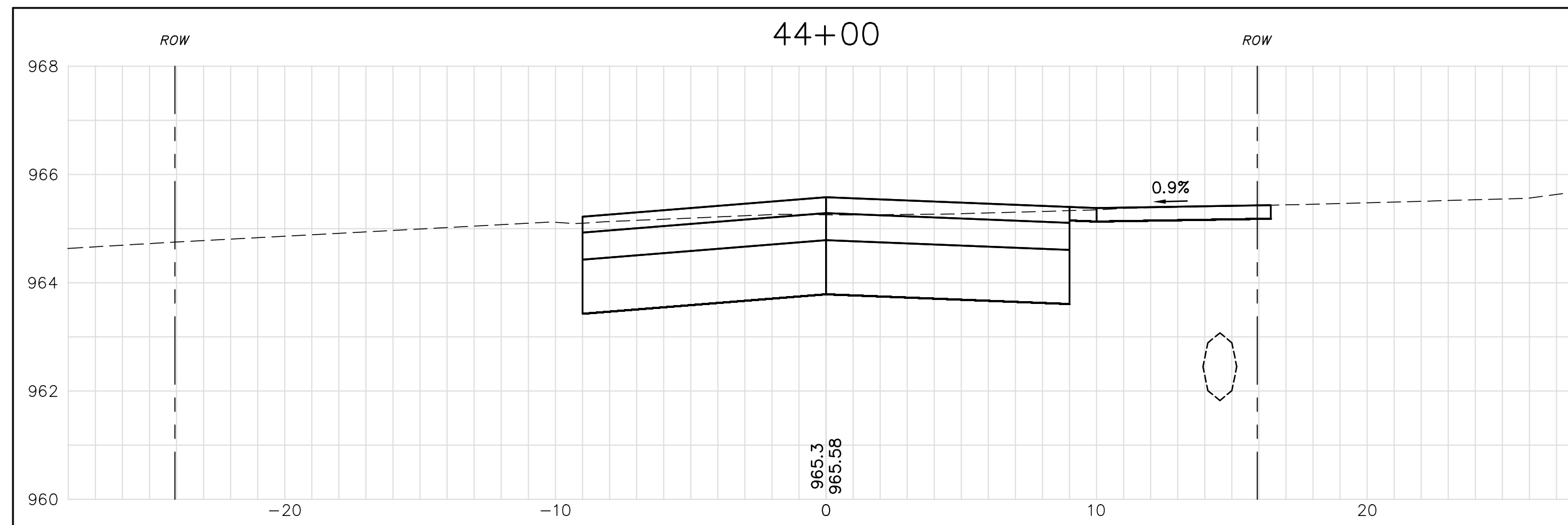


SECOND STREET CROSS SECTIONS				PRELIMINARY JUNE 2017 NOT FOR CONSTRUCTION		Drawn / Chk. _____		△			ISSUE FOR
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FIRST-FOURTH STREET INFRASTRUCTURE PROJECT						Checked PJP _____		△			Date
						Approved _____					
TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE						Date 6/14/2017		△			By
						Book No. _____					
						Project No. 1944 _____		△			RECORD DRAWING
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DWG NO.		SHEET				Scale AS SHOWN		△			By
X-6	18 OF 22					NO.	REVIEWS				
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DWG NO X-10		SHEET 22 OF 22		FORTH STREET CROSS SECTIONS FIRST-FOURTH STREET INFRASTRUCTURE PROJECT TOWN OF NEWPORT NEWPORT, NEW HAMPSHIRE		 UNDERWOOD engineers 99 North State Street, Concord, N.H. 03301 Tel. 603-230-9898 Fax. 603-230-9899		PRELIMINARY JUNE 2017 NOT FOR CONSTRUCTION		Drawn/Chk. <u>BMG</u> Designed <u>PJP</u> Checked <u>PJP</u> Approved <u> </u> Date <u>6/14/2017</u> Book No. <u> </u> Project No. <u>1944</u> Dwg. ID <u>1944_bbase</u> Scale <u>AS SHOWN</u>		REVISIONS NO.		APP'D		ISSUE FOR APPROVAL Date		CONSTRUCTION Date		RECORD DRAWING Date	
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