

**SLIDE REPAIR**  
**NHSN-218-2(152)--2R-44**

LETTING DATE  
 07-21-2020

**HENRY CO.**

INDEX OF SHEETS	
No.	DESCRIPTION
<b>A Sheets</b>	<b>Title Sheets</b>
A.1	Title Sheet
A.1	Location Map Sheet
<b>CS Sheets</b>	<b>Soils Tabulations</b>
CS.1	Soils Tabulations
<b>J Sheets</b>	<b>Traffic Control and Staging Sheets</b>
J.1	Traffic Control Plan
<b>Q Sheets</b>	<b>Soils Sheets</b>
Q.1	Soils Information Sheet
Q.2	US 218 Soils Sheet
<b>W Sheets</b>	<b>Mainline Cross Sections</b>
W.1 - 5	US 218 Cross Sections
	* Color Plan Sheets



**Highway Division**

PLANS OF PROPOSED IMPROVEMENT ON THE

**PRIMARY ROAD SYSTEM**  
**HENRY COUNTY**  
**SLIDE REPAIR**

3.1 mi N of Co Rd J20 (NB)

SCALES: As Noted

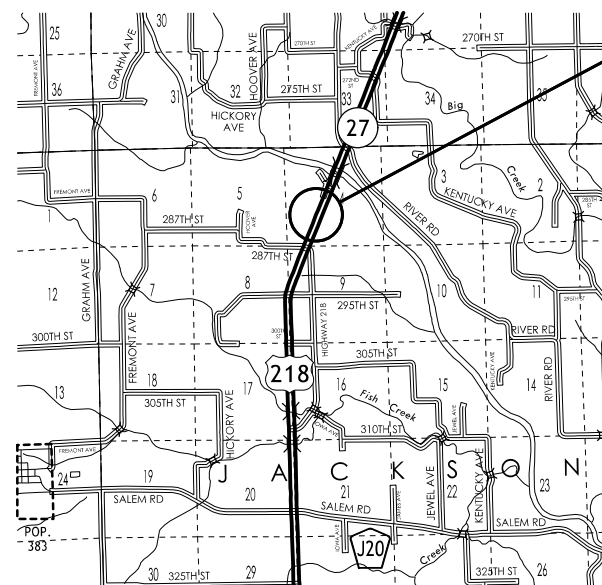
Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.

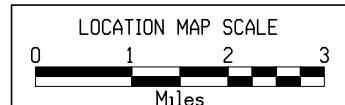


REVISIONS

TOTAL
10
PROJECT IDENTIFICATION NUMBER
19-44-218-020
PROJECT NUMBER
NHSN-218-2(152)--2R-44
R.O.W. PROJECT NUMBER
NHSN-218-2(154)--2R-44



**PROJECT LOCATION**  
 US 218 NB (East Backslope)  
 MM 36.8 - STA. 282+95



DESIGN DATA RURAL			
2017	AADT	9300	V.P.D.
20--	AADT	--	V.P.D.
20--	DHV	--	V.P.H.
	TRUCKS	21	%
	Total		
	Design ESALs	--	

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.1	Paul W. Flattery	Primary Signature Block
CS.1	Mark A. Dell	Geotechnical Design

PRELIMINARY PLANS

Subject to change by final design.

D5 PLAN - Date: 11-20-19

103-12  
10-16-18

**SLIDE REPAIR**

Site No.	Location		Side	Boulders Cl. 12 Exc.	Class 10			Class "E" Revetment	Engineering Fabric	Erosion Stone	Gra. Material Blankets & Subdrain	Macadam Stone	Top Soil		Remarks
	Begin Sta.	End Sta.			Contractor Provided	Excavation & Waste	Roadway & Borrow						Furnish & Spread	Strip, Slavage & Spread	
1	610+90.00	612+60.00	Rt.		483	669				73			186		

104-9  
10-17-17

**LONGITUDINAL SUBDRAIN SHOULDER AND BACKSLOPE**

Refer to Soils Sheets

\* Not a bid item. Bridge berm quantities assume a trench depth of 24 inches.

Line No.	Road or Lane Identification	Location		Side	Depth (D)	Longitudinal Subdrain (DR-303)						Subdrain Outlet		Porous* Backfill	Class "A"* Crushed Stone	Remarks	
		Station to Station	Shoulder			Backslope		Bridge Berm (EW-203 or EW-204)		DR-303, DR-305 or DR-306		Station	Standard Road Plan and Type				
						Size	Length	Size	Length	Standard Road Plan and Type	Size						Length
						IN	FT	IN	FT	IN	FT						IN
1	US 218	610+90.00	612+10.00	RT	66.0			4.0	150.0			611+50.00	DR-306	18.5	Elev. 655		
<b>Total:</b>						0.0		150.0				DR-306 = 1	18.5	0.0			

103-6  
10-17-17

**EMBANKMENT WITH MOISTURE CONTROL**

Moisture Control is required for all Class 10 fill placed in all locations and depths. Stability berms placed outside the normal foreslope template and topsoil will not require Moisture Control.

103-7  
08-01-08

**SHRINKAGE DATA**

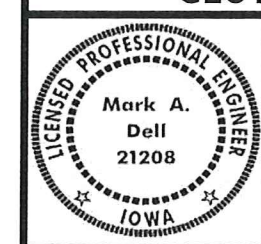
Material	%	Remarks
ENTIRE PROJECT	30%	
TOPSOIL	40%	
BOULDER ESTIMATE		2 CY

103-10  
04-18-17

**TOPSOIL STRIPPING AND PLACEMENT**

Location				Topsoil Stripping Thickness	Topsoil Placement Thickness	Remarks
Road Identification	Dir. of Traffic	Begin Station	End Station			
US 218	NBL	610+90.00	612+60.00	IN	IN	8.0

**GEOTECHNICAL DESIGN**



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature: *Mark A. Dell* Date: 11/12/19

Printed or Typed Name: Mark Dell

My license renewal date is December 31, 2019

Pages or sheets covered by this seal: CS.1, Q.1-2, W.1-W.5





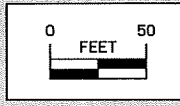


Jackson TWP.  
T-70W R-6W  
SEC. 4

18' x 145'  
HDPE

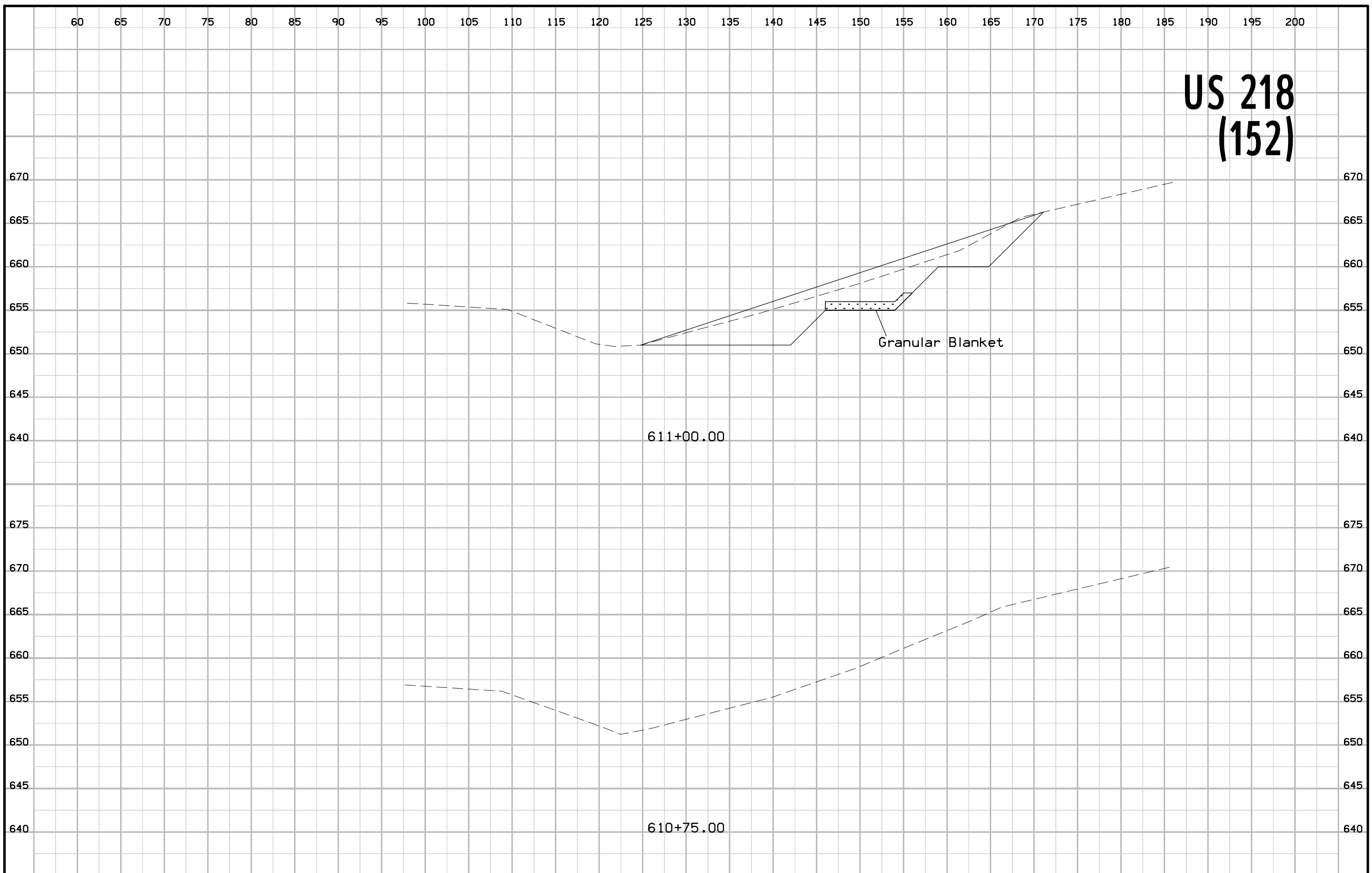
Slide Area

Jettly and Sharon Davis  
Mar 2009 deed  
Book 2009 Page 2558

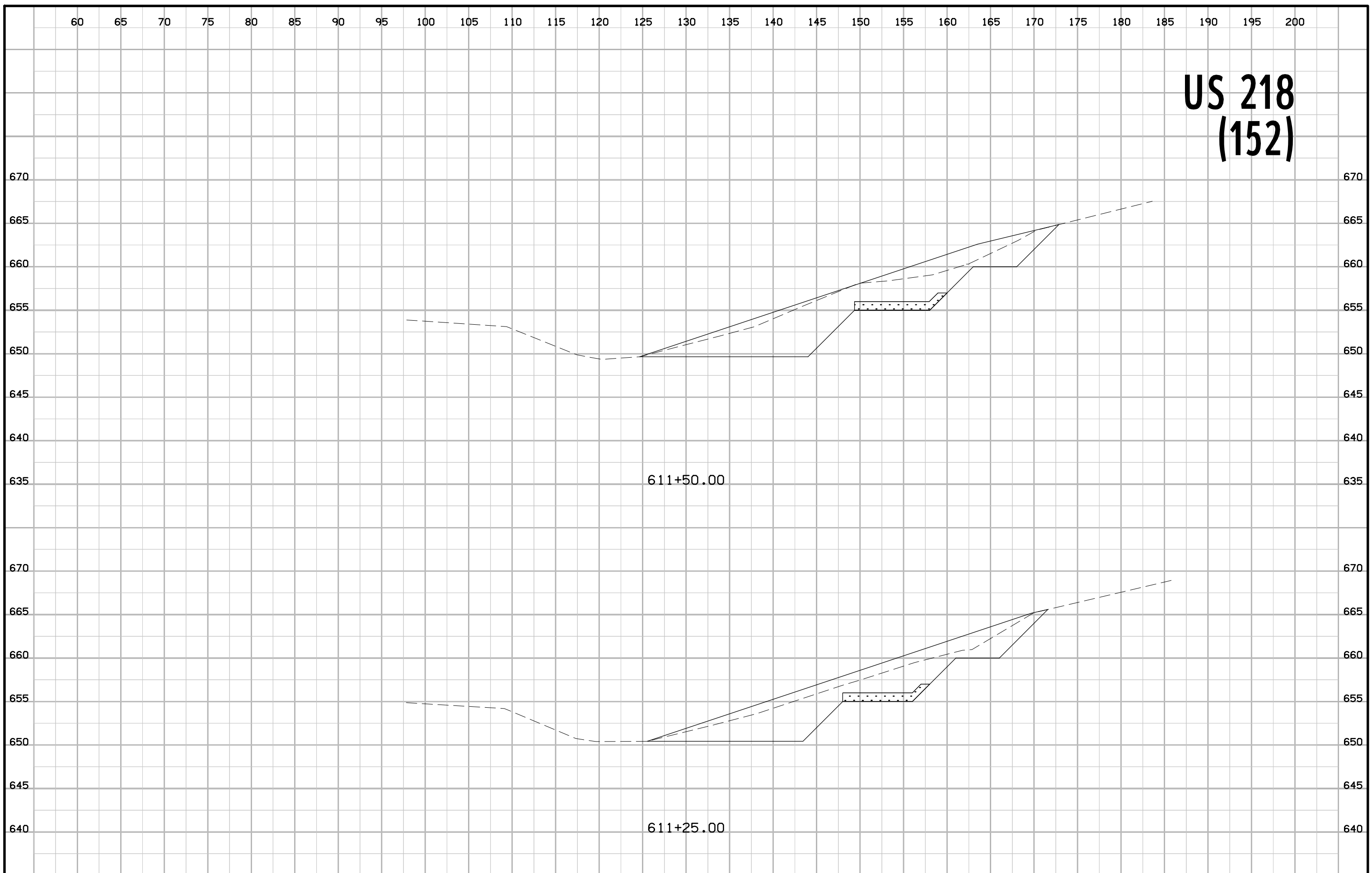




# US 218 (152)



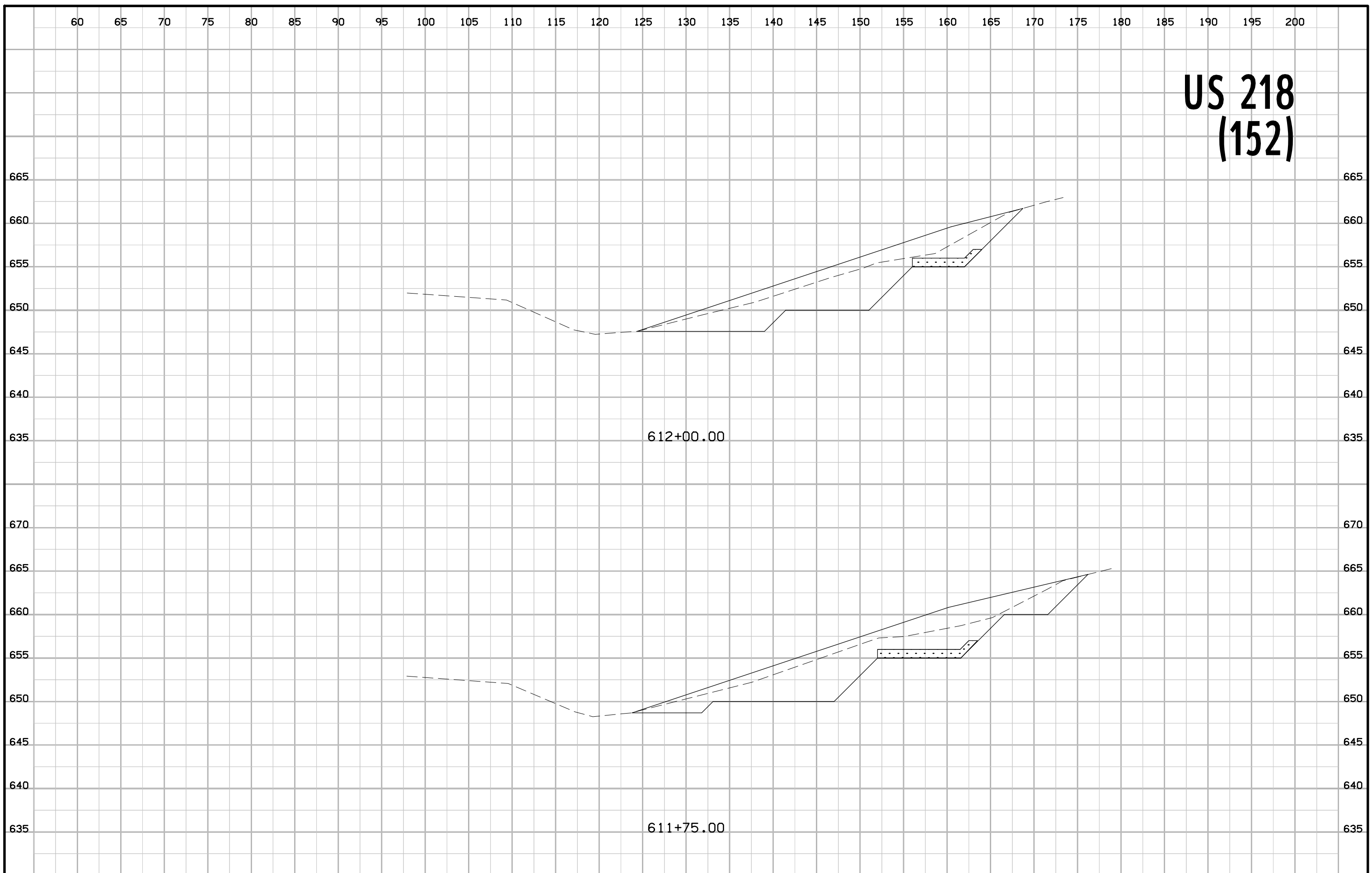
# US 218 (152)



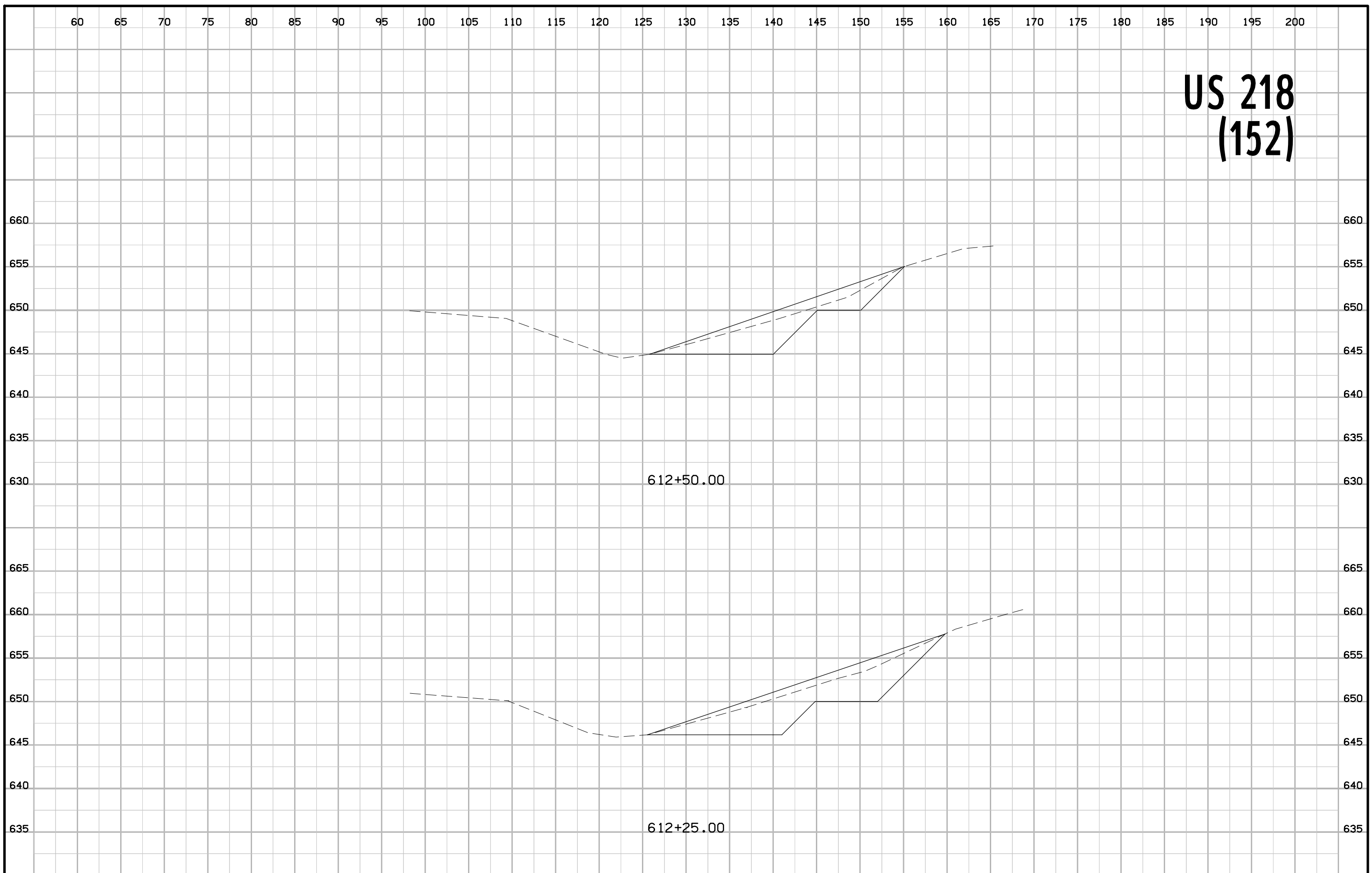
611+50.00

611+25.00

# US 218 (152)



# US 218 (152)





# US 218 (152)

