

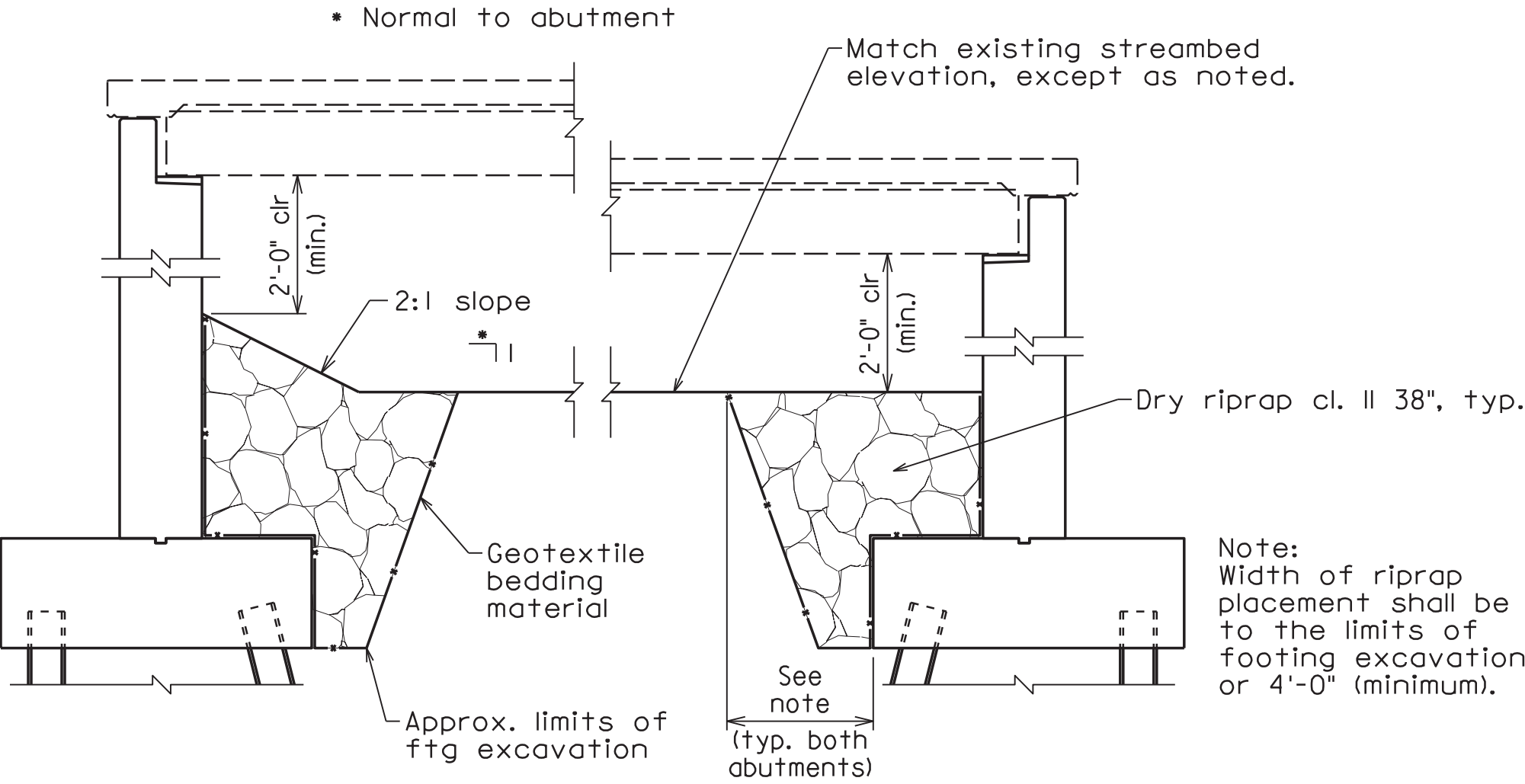
ESTIMATED QUANTITIES - SUBSTRUCTURE ONLY								
		Concrete Class A3	Reinforcing Steel	Corrosion Resistant Reinf. Steel, Class I	Steel Piles 10"	Pile point for 10" steel pile	Select Backfill (Abutment Zone)	Struct. Excav.
		CY	LB	LB	LF	EA	TON $\otimes$	CY
Abutment A	Neat	78.9	—	6,363	—	—	—	—
	Footing	101.2	8,733	—	1,800	43	1,281	610
Abutment B	Neat	55.5	—	4,933	—	—	—	—
	Footing	87.4	7,332	—	1,200	38	1,029	490
Total		323.0	16,065	11,296	3,000	81	2,310	1,100

$\otimes$ Denotes items to be paid for on the basis of plan quantities in accordance with current Road and Bridge Specifications.

ESTIMATED QUANTITIES - SUPERSTRUCTURE ONLY			
Item		Units	Quantity
Concrete Class A4		CY	96.3
Corrosion Resistant Reinforcing Steel, Class I		LB	18,472
Railing, BR27D 3 Rails		$\otimes$ LF	106
Prestressed Concrete Slab 4' x 21" x (+40'-45')		$\otimes$ EA	8
Bridge Deck Grooving		SY	234

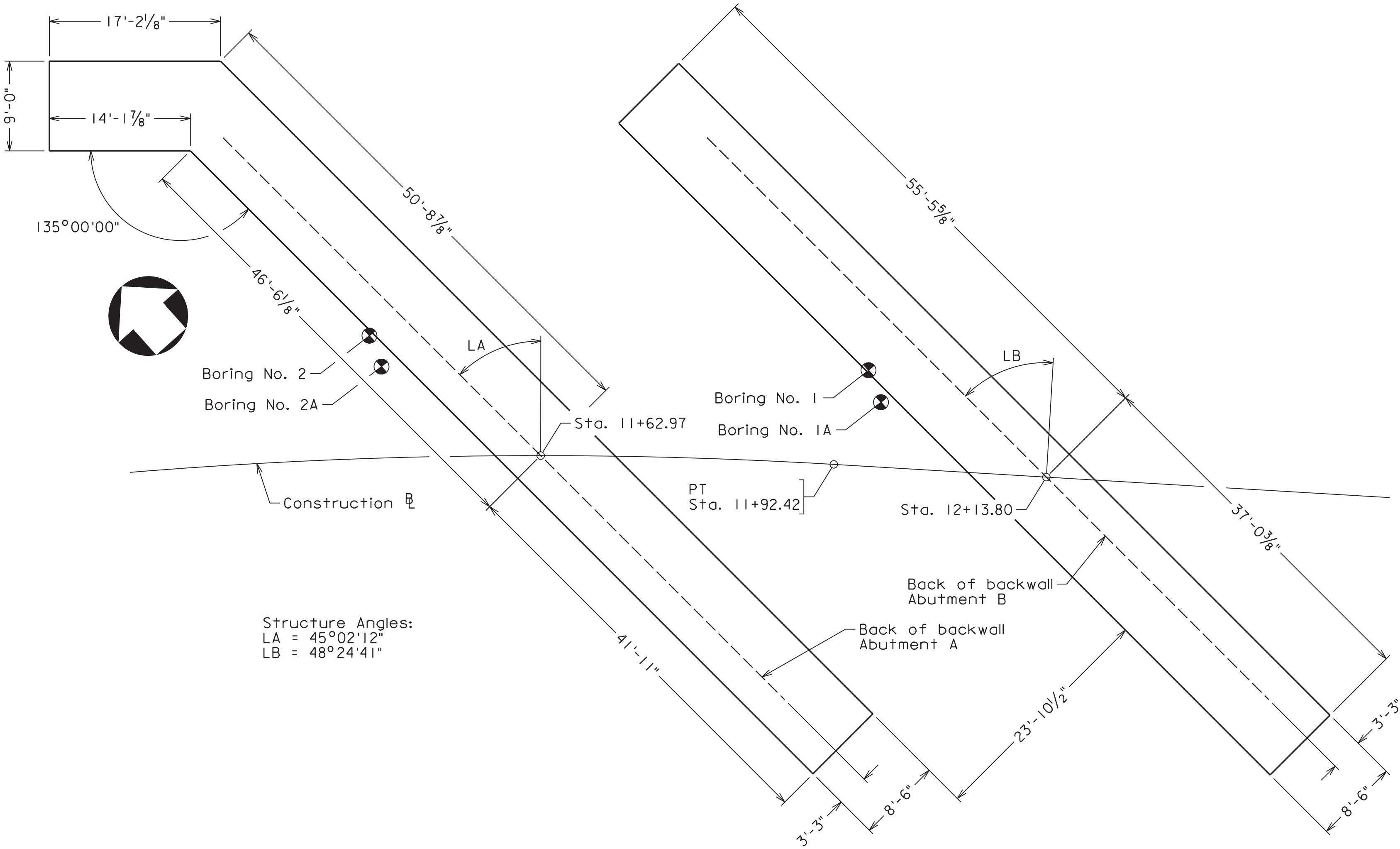
$\otimes$ Denotes items to be paid for on the basis of plan quantities in accordance with current Road and Bridge Specifications.

LUMP SUM BID ITEMS	
Mobilization	LS
Construction Surveying	LS
Dismantle and Remove Existing Structure Number 8014	LS

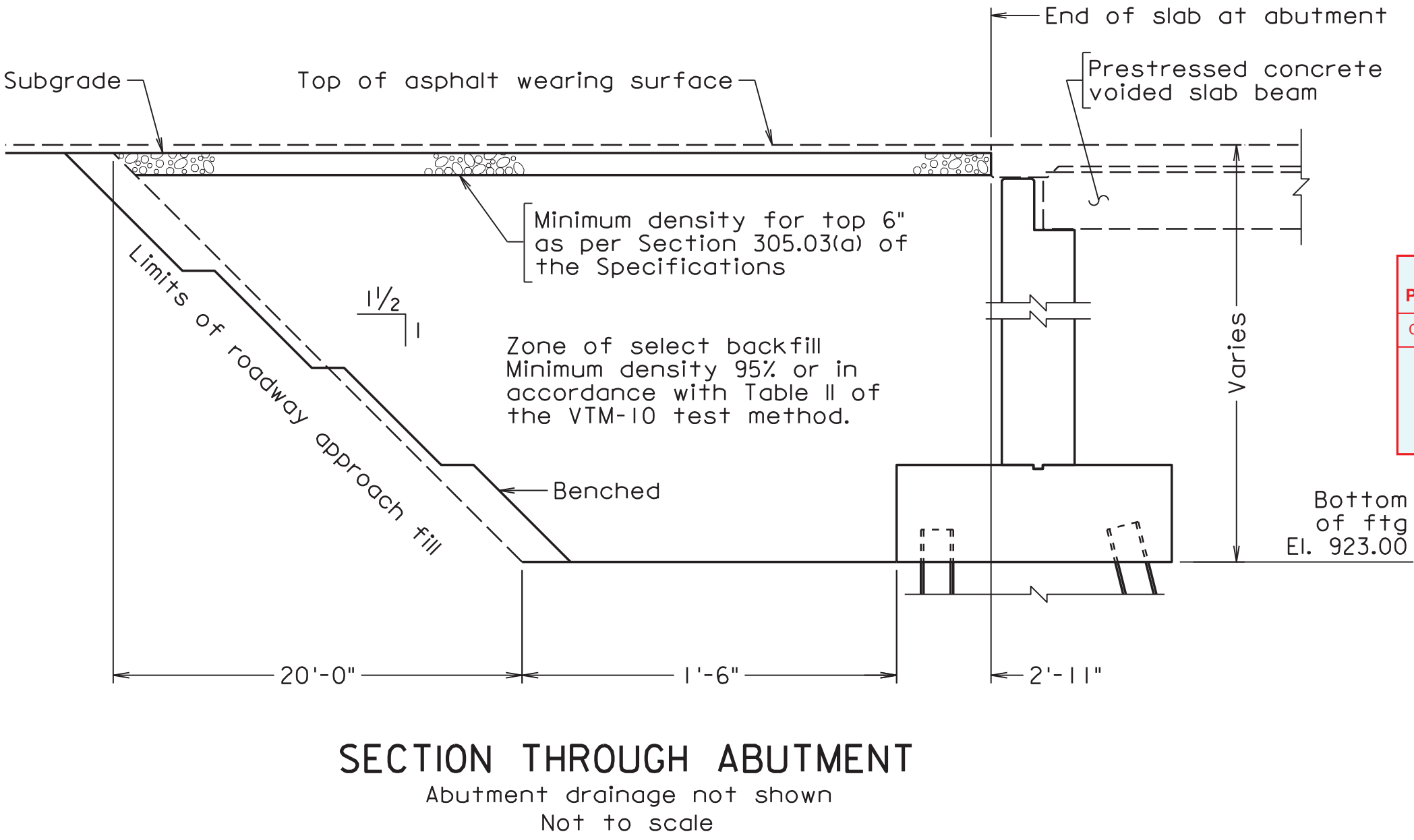


RIPRAP PLACEMENT AT ABUTMENTS
Scale: 1/4" = 1'-0"

INDEX OF BRIDGE SHEETS	
Sheet No.	Description
B-1	Plan, Profile, and General Notes
B-2	Estimated Quantities, Index of Sheets, Table of Revisions, and Substructure Layout
B-3	Abutment A - Plan and Elevation
B-4	Abutment B - Plan and Elevation
B-5	Abutment A & B - Footing Plans
B-6	Typical Abutment Sections and Details
B-7	Abutment Wingwall Elevations
B-8	Deck Plan and Elevations
B-9	Deck Extension Details
B-10	Transverse Section and Sidewalks Plan
B-11	Framing Plan and Top of Slab Elevations
B-12	Superstructure
B-13	54" BR27D Steel Railing
B-14	BR27D Rail Connections and Notes
B-15	54" BR27D Terminal Wall
B-16	Reinforcing Steel Schedule - Superstructure
B-17	Reinforcing Steel Schedule - Abutment A
B-18	Reinforcing Steel Schedule - Abutment B
B-19	Geology Sheet No. 1 - Abutment A
B-20	Geology Sheet No. 2 - Abutment B



SUBSTRUCTURE LAYOUT
Scale: 1/8" = 1'-0"



SECTION THROUGH ABUTMENT
Abutment drainage not shown
Not to scale

Material in the abutment select backfill zone shall be Select Material Type I, minimum CBR 30 and shall be compacted in accordance with Sections 303 and 305 of the Specifications.

In cut situations, material with strength characteristics greater than the select backfill may be left in place.

TABLE OF REVISIONS		
Rev. No.	Sheets Revised	Date

COMMONWEALTH OF VIRGINIA

03/10/2017

CHAD M. THOMAS

L.P.C. No. 036992

PROFESSIONAL ENGINEER

Issue Date: 03/10/17

Drawn By: DKA

Designed By: MLF

Checked By: CMT

Date: 03/10/17

Matthew & Craig

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City of Roanoke

Planning, Building, & Development

COMPREHENSIVE DEVELOPMENT PLAN

APPROVED

by Adrian Gilbert 03/15/2018

BKLEY ROAD OVER GLADE CREEK TRIBUTARY A

EST. QUANTITIES, INDEX OF SHEETS

AND SUBSTRUCTURE LAYOUT

CITY OF ROANOKE, VA

Vertical Scale: N/A

Horizontal Scale: AS NOTED

Commission Number: 34301

Sheet No.: B-2