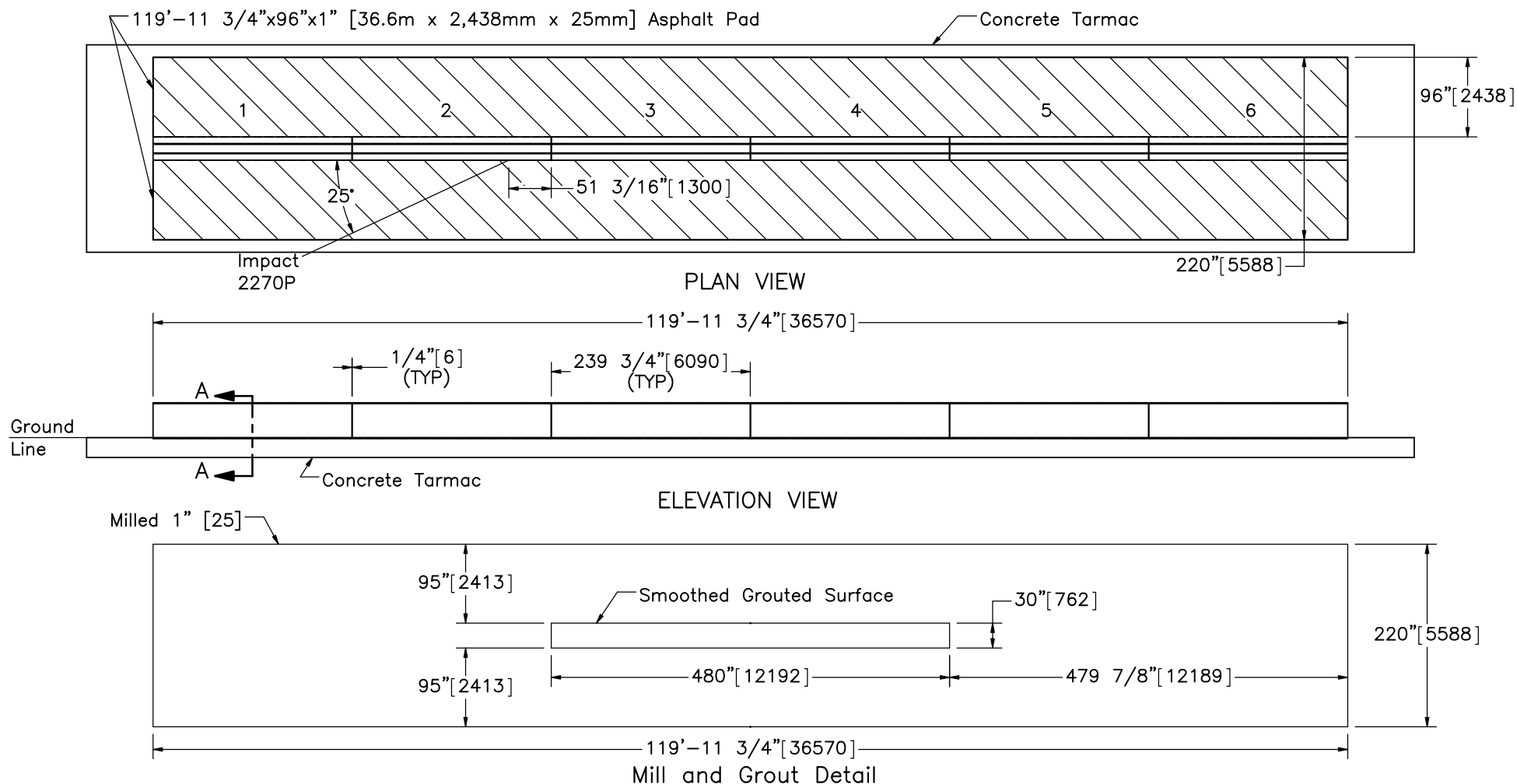




- Notes:
- (1) Test shall be performed according to test designation no. 3-11 of MASH.
 - (2) The impact location is 51 3/16" [1.3 m] upstream of the construction joint between barrier nos. 2 and 3.
 - (3) 1/4" [6] wide separator plates shall be placed between adjacent barrier segments when system is constructed and removed when construction is completed. Separator plates may be part of the form but must have sufficient strength to maintain the barrier geometry.
 - (4) Mill existing tarmac surface down 1" [25] in order to accommodate 1" [25] thick asphalt pad on front and back sides of barrier.
 - (5) Following milling and prior to casting barrier, apply thin coating of concrete grout over middle 40' [12.2 m] of concrete beneath barrier to smooth surface and prevent excessive bonding of barrier to milled surface when cast. Lead engineer can review milled surface prior to casting to determine if necessary.



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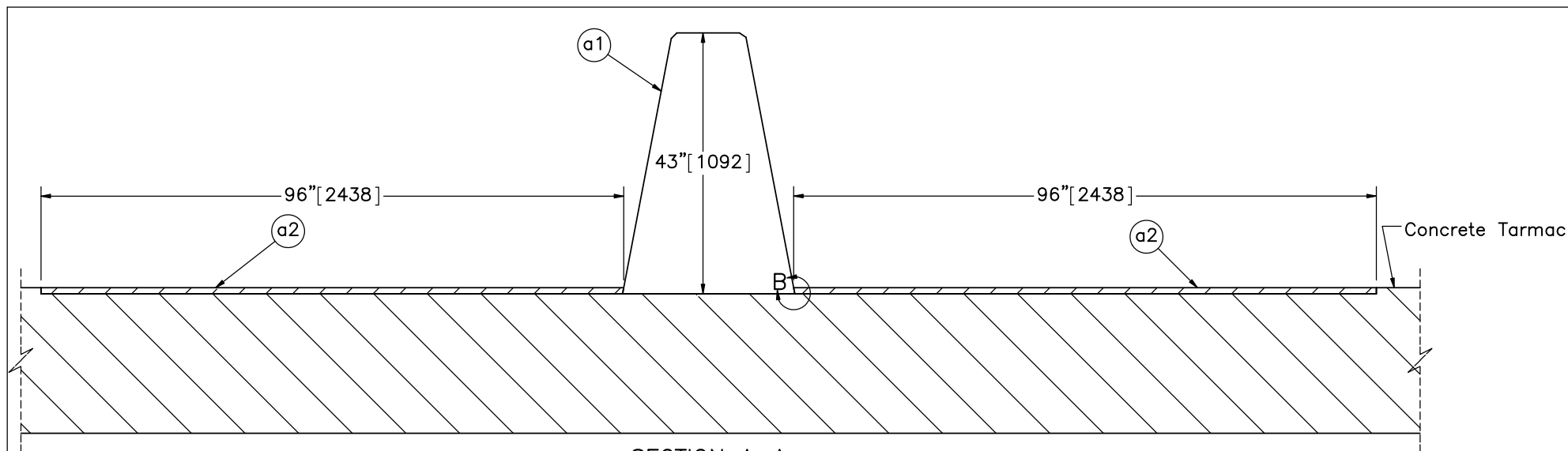
ODOT Type B Unreinforced
Concrete Barrier System
Test No. OSSB-1

System Layout

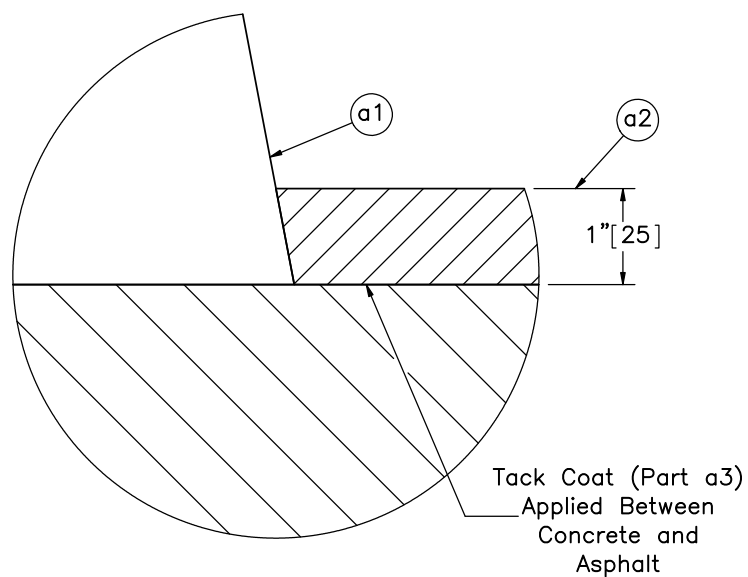
DWG. NAME.
OSSB_OhioSingleSlope_R10

SCALE: 1:180
UNITS: in./mm

SHEET:
1 of 4
DATE:
9/12/2018
DRAWN BY:
DTM/MES/
JEK
REV. BY:
JEK/RWB/
KAL/RKF



SECTION A-A



DETAIL B
SCALE 1:2

- Notes: (1) Mill existing tarmac surface down 1" [25] in order to accommodate 1" [25] thick asphalt pad on front and back sides of barrier.
- (2) Tack coat applied beneath asphalt should meet NDOR SS-1, SS-1H, CSS-1, or CSS-1H specifications.
- (3) The barrier toe shown in Detail B is an alternative listed in the state plans.



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ODOT Type B Unreinforced
Concrete Barrier System
Test No. OSSB-1

System Details

DWG. NAME:
OSSB_OhioSingleSlope_R10

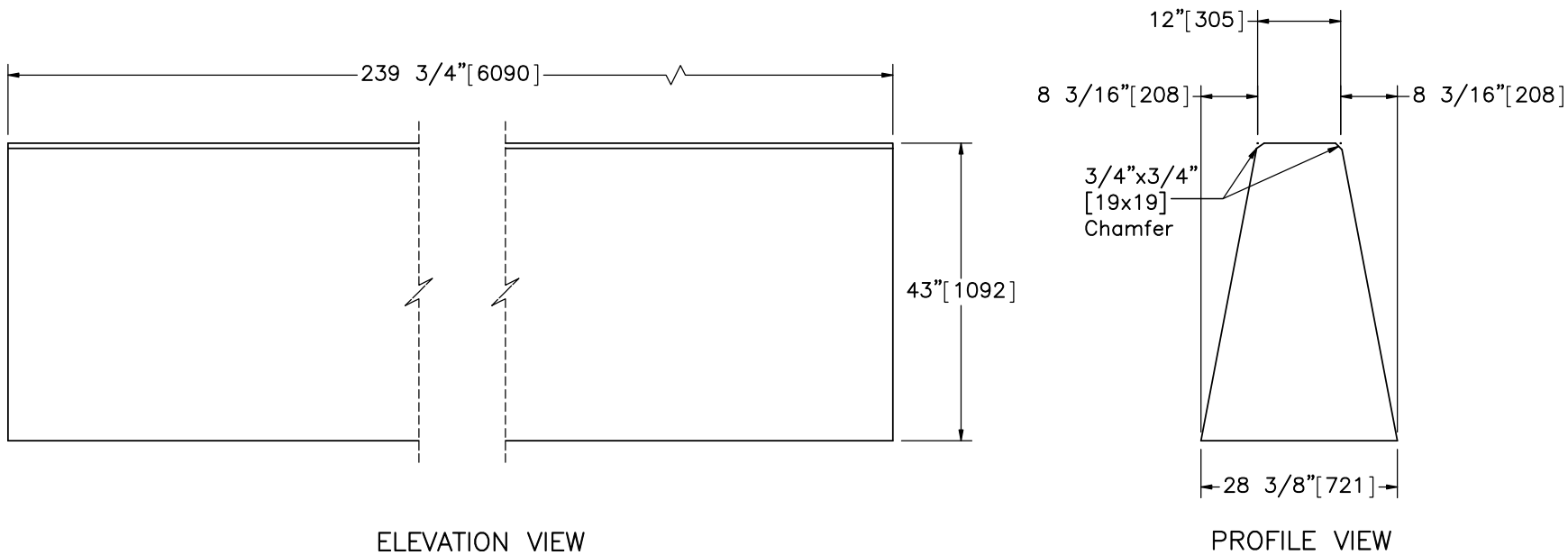
SCALE: 1:25
UNITS: in.[mm]

SHEET:
2 of 4

DATE:
9/12/2018

DRAWN BY:
DTM/MES/
JEK

REV. BY:
JEK/RWB/
KAL/RKF



Part a1

	ODOT Type B Unreinforced Concrete Barrier System Test No. OSSB-1		SHEET: 3 of 4
	Barrier Details		DATE: 9/12/2018
Midwest Roadside Safety Facility	DWG. NAME: OSSB_OhioSingleSlope_R10		DRAWN BY: DTM/MES/ JEK
	SCALE: 1:25 UNITS: in.[mm]		REV. BY: JEK/RWB/ KAL/RKF

Item No.	Quantity	Description	Material Specification
a1	1	42" [1,067] Tall, 1,439 3/4" [35.6 m] Long, Unreinforced Single Slope Concrete Barrier	Min. f'c = 4,000 psi [27.6 MPa] NE 47BD Mix
a2	—	Asphalt	NDOR Superpave SPH Mix Binder PG 64–34
a3	—	Tack Coat	NDOR SS–1, SS–1H, CSS–1, or CSS–1H

	ODOT Type B Unreinforced Concrete Barrier System Test No. OSSB–1		SHEET: 4 of 4
	Bill of Materials		DATE: 9/12/2018
	DWG. NAME: OSSB_OhioSingleSlope_R10		DRAWN BY: DTM/MES/ JEK
	SCALE: None UNITS: in.[mm]		REV. BY: JEK/RWB/ KAL/RKF

Midwest Roadside
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REV.	DATE OF ISSUE	Page	NATURE OF CHANGES	REVIEWER	REVISED BY
0	8/16/2017	—	Created from information from Bob.	—	DTM
1	8/16/2017	1	Added groundline note and vehicle impact note.	JEK	DTM
		2	Added vertical dimension for barrier. Added part balloon for barrier to section A–A. Removed spaces in scale note for detail B.		
		3	Revised barrier vertical dimension. Added horizontal dimension.		
		4	BOM description change of part a1. Tack coat added to BOM.		
2	8/21/2017	1	Changed spelling of separator in note 3.	RWB	DTM
3	8/22/2017	1	Edited notes and dimensions. Showed hidden lines in elevation view. Edited note 3. Added note 4. Corrected Asphalt dimensions. Extended tarmac thickness.	KAL	MES
		2	Added part part bubbles for part no. a2. Removed asphalt callout notes. Edited tack coat note.		
		BOM	Removed galvanization spec. Added part no. a3 to tack coat.		
4	8/28/2017	1	Revised note 3 and added note 5. Added view of grout details.	RKF	DTM
5	8/28/2017	1	Changed dimension units and added additional dimension.	JEK	DTM
6	8/30/2017	1	Revised note 5.	KAL	DTM
		4	Revised BOM material spec. for part a2		
7	9/13/2017	—	Asphalt increased from 6 ft wide on each side to 8 ft.	RWB	JEK
8	10/6/2017	—	Chamfer added to barrier. Barrier toe change.	RWB	JEK
		2	Barrier toe change. Note 3 add.		
		3	Chamfer add. Toe change. Dim edits to correspond.		
		BOM	Mtrl: a1.		
9	12/5/2017	1	Impact location changed. Note 2 edit.	RWB	JEK
10	9/12/2018	1	Note 5 edit.	ELU	JEK
		BOM	Description: a1.		