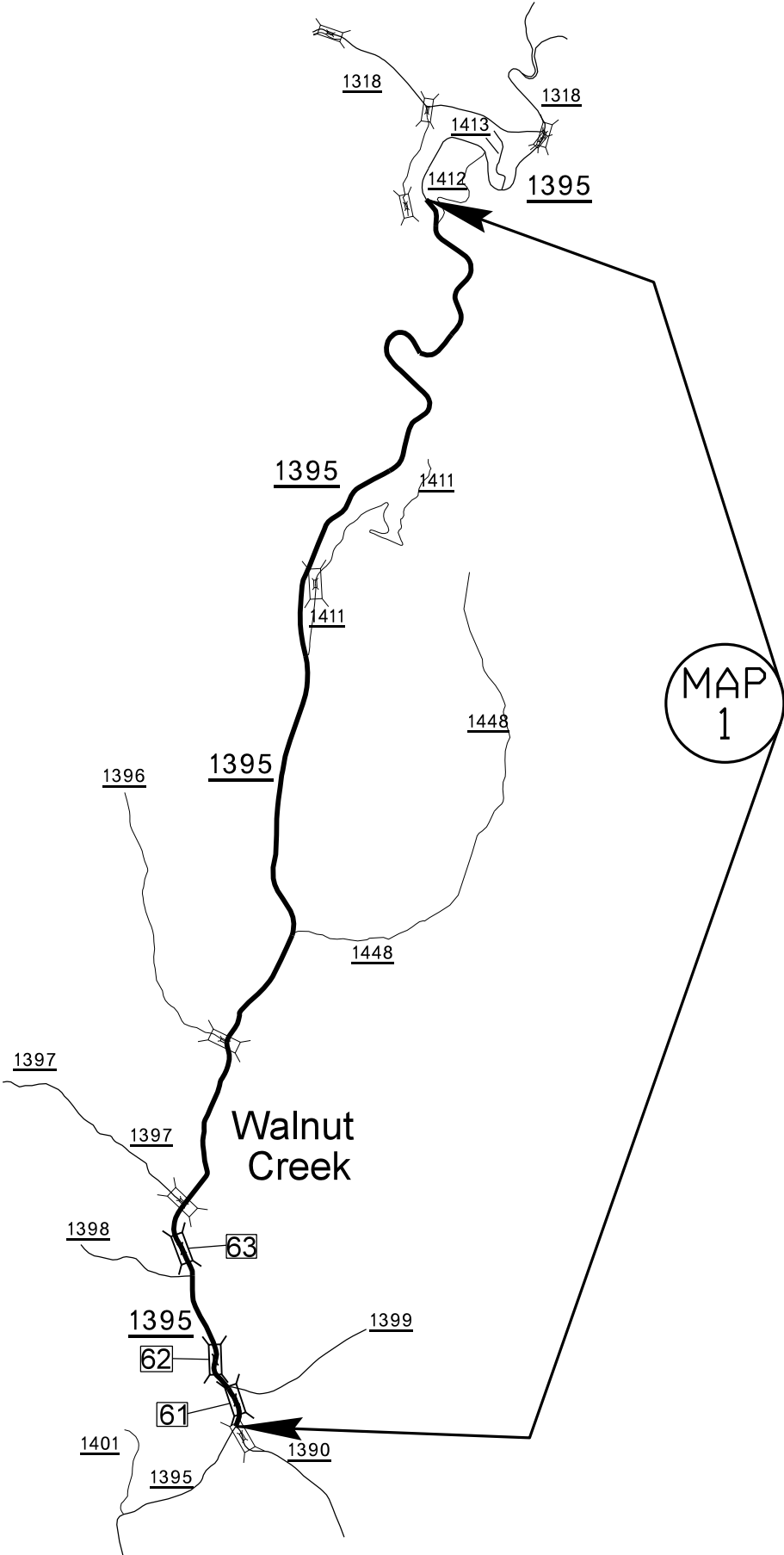
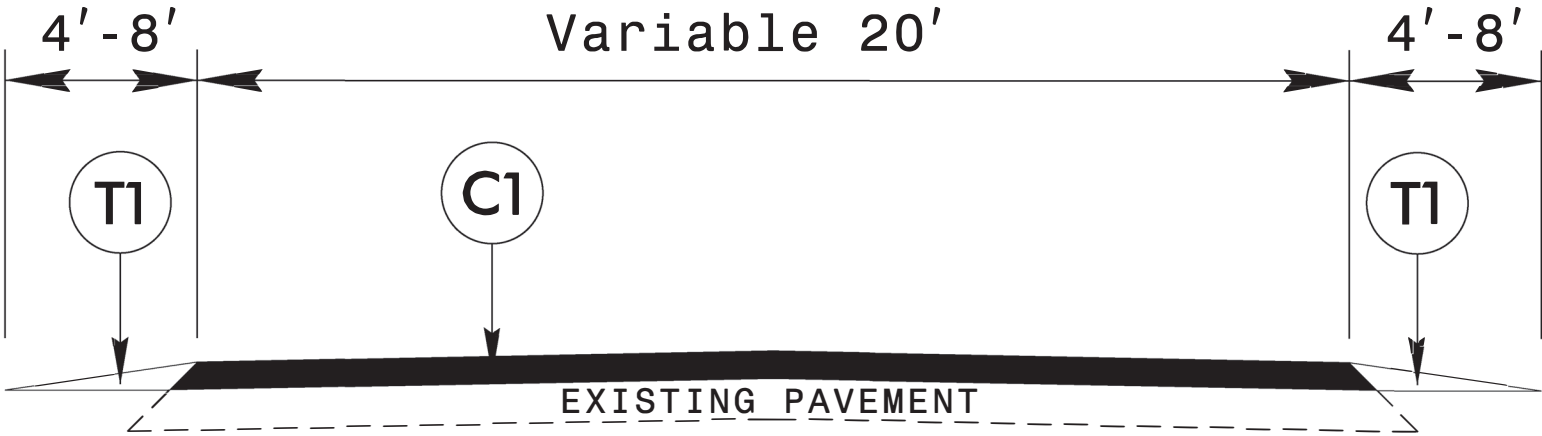


PROJECT NO.	SHEET NO.	TOTAL SHEETS
2022CPT.13.03.20571	1	10



MADISON COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
2022CPT.13.03.20571	2	10



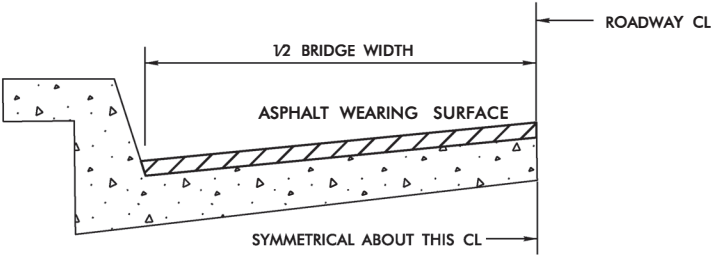
TYPICAL SECTION #1

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YARD
T1	SHOULDER RECONSTRUCTION
V1	INCIDENTAL MILLING
V2	MILLING ASPHALT PAVEMENT 1-1/2" DEPTH

6/2/99

15-APR-2021 4:11 PM
S:\DDC\Resurfacing\2022 Supplemental Resurfacing\Madison CR\Maps & Typical\Madison-Resurfacing-Typicals-DDC.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

PROJECT NO.	SHEET NO.	TOTAL SHEETS
2022CPT.13.03.20571	3	10



BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1/2", S9.5B 1", S9.5C,D 1.5" – 2". ULTRA-THIN HOT MIX ASPHALT – TYPE A 3/4". ULTRA-THIN HOT MIX ASPHALT – TYPE B 5/8". ULTRA-THIN HOT MIX ASPHALT – TYPE C 1/2". THE MAXIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1", S9.5B 1.5", S9.5C,D 2". ULTRA-THIN HOT MIX ASPHALT – TYPE A 3/4", ULTRA-THIN HOT MIX ASPHALT – TYPE B 5/8", ULTRA-THIN HOT MIX ASPHALT HOT MIX ASPHALT – TYPE C 1/2".

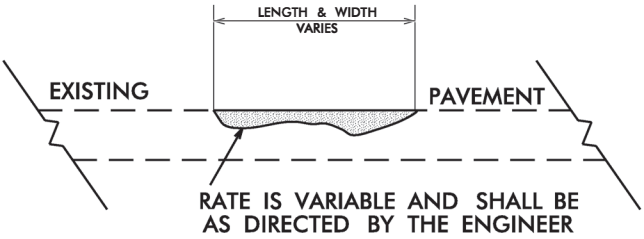
NOTES

ALL UNPAVED ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT. ALL PAVED S. R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.

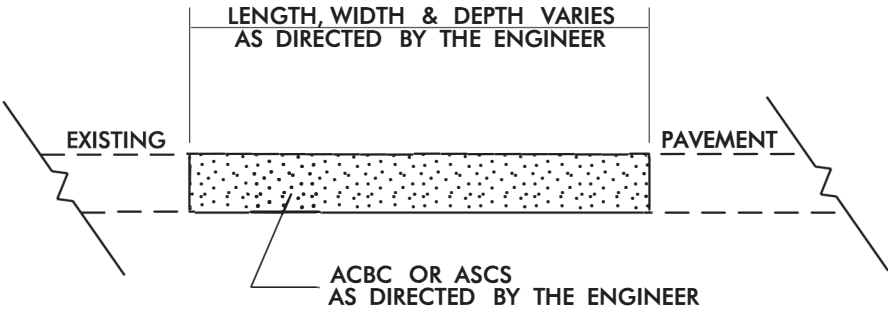
EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.

SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED.

BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

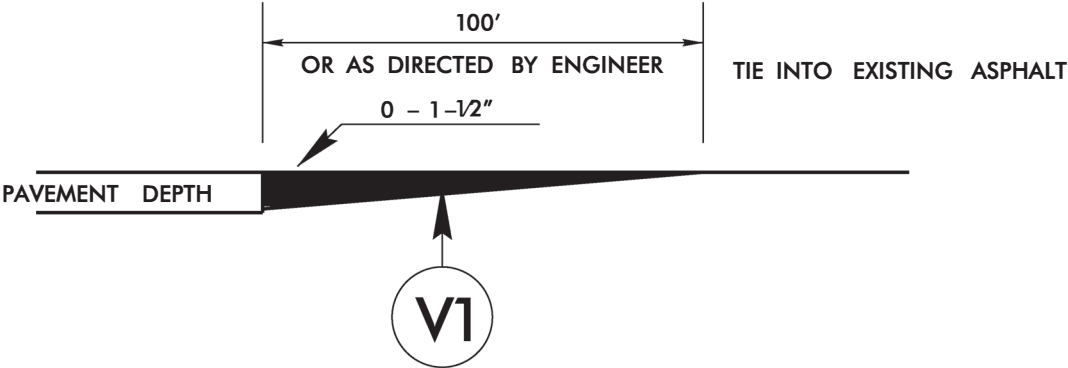


DETAIL SHOWING METHOD OF WEDGING



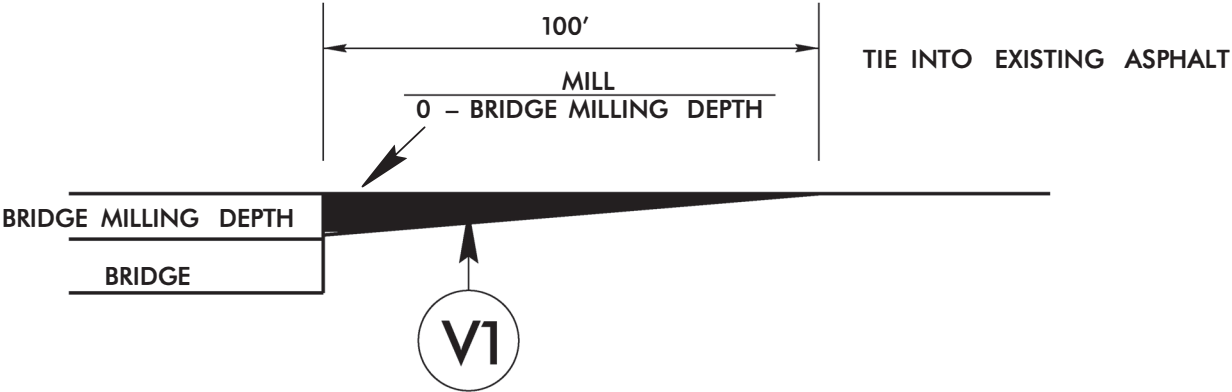
PATCHING EXISTING PAVEMENT

PROJECT NO.	SHEET NO.	TOTAL SHEETS
2022CPT.13.03.20571	4	10



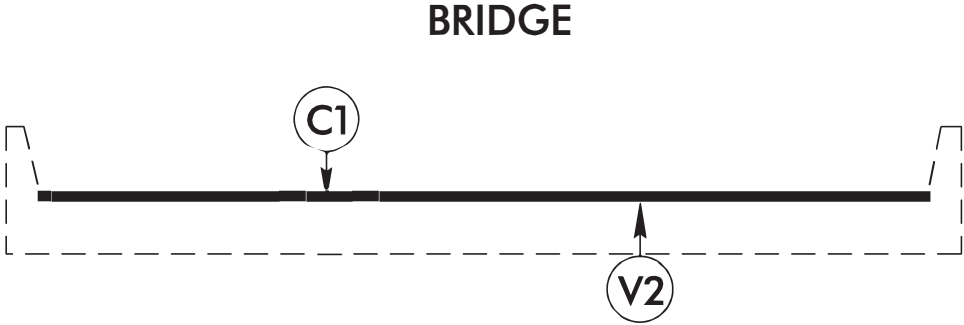
DETAIL TO TIE INTO EXIST PAVEMENT

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE REQUIRED TO MILL THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END AND Y LINES OF EACH MAP TO BE RESURFACED WITH ASPHALT CONC SURFACE COURSE, TYPE S9.5B AND S9.5C. THIS WILL BE PAID FOR AS INCIDENTAL MILLING.



MILLING DETAIL AT BRIDGE APPROACHES

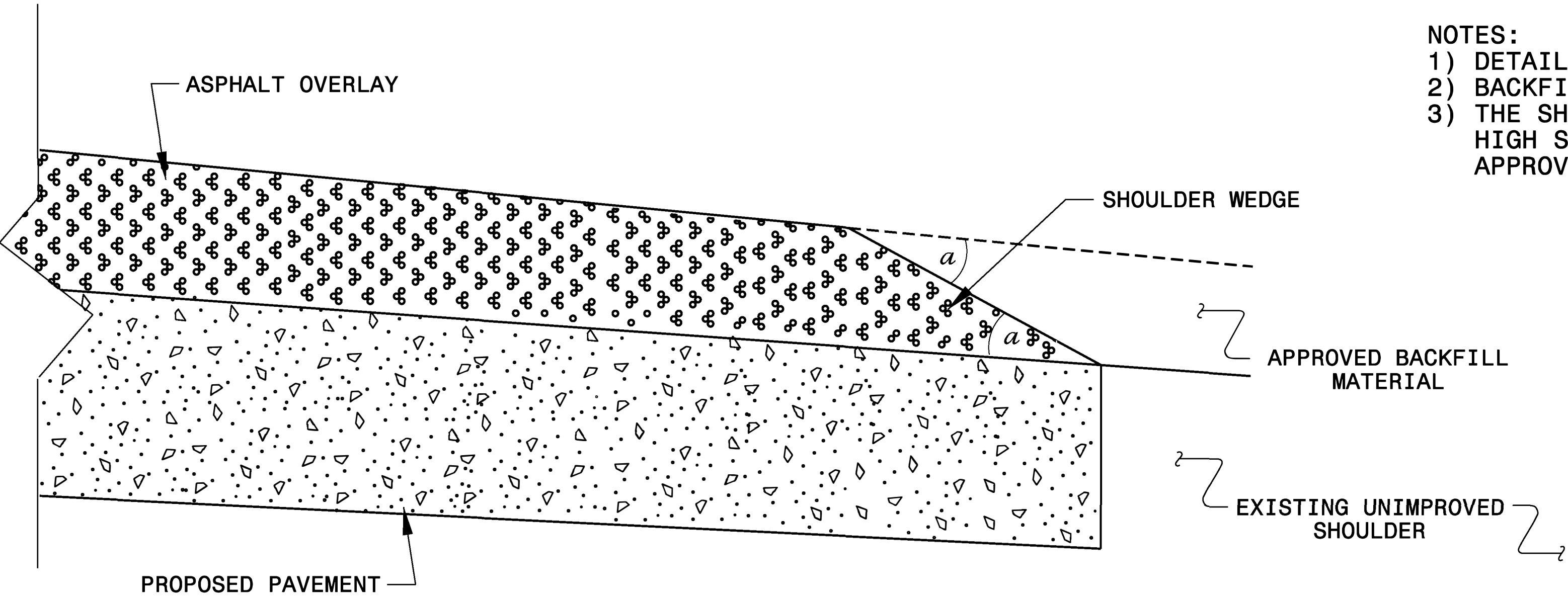
WHERE BRIDGES WILL BE MILLED THEN RESURFACED. THIS WILL BE PAID FOR AS INCIDENTAL MILLING. USE AT BRIDGE NUMBER: 62 AND 63 MAP 1.



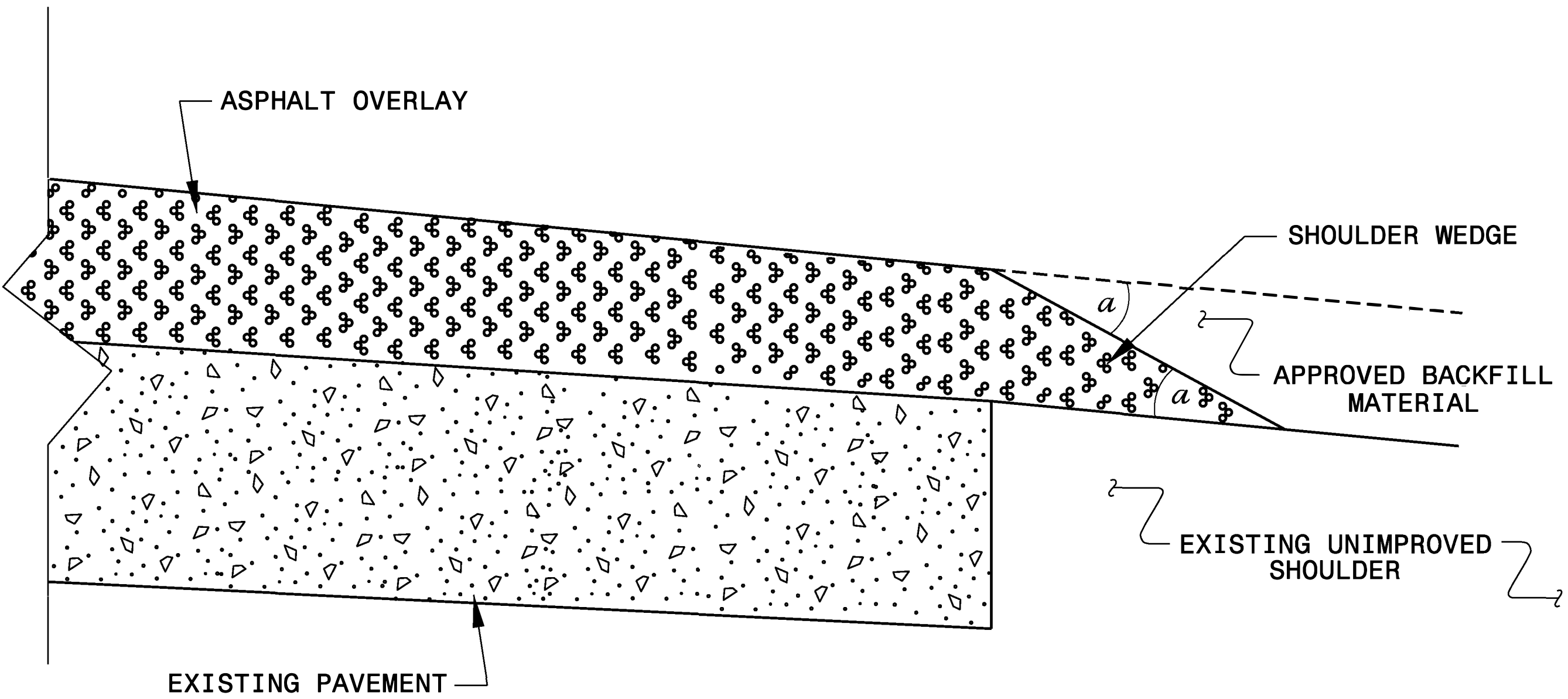
BRIDGE DETAIL

BRIDGE NUMBER 62 AND 63 MAP 1. MILL 1-1/2" OFF EXISTING PAVEMENT SEE MAP FOR BRIDGE LOCATION.

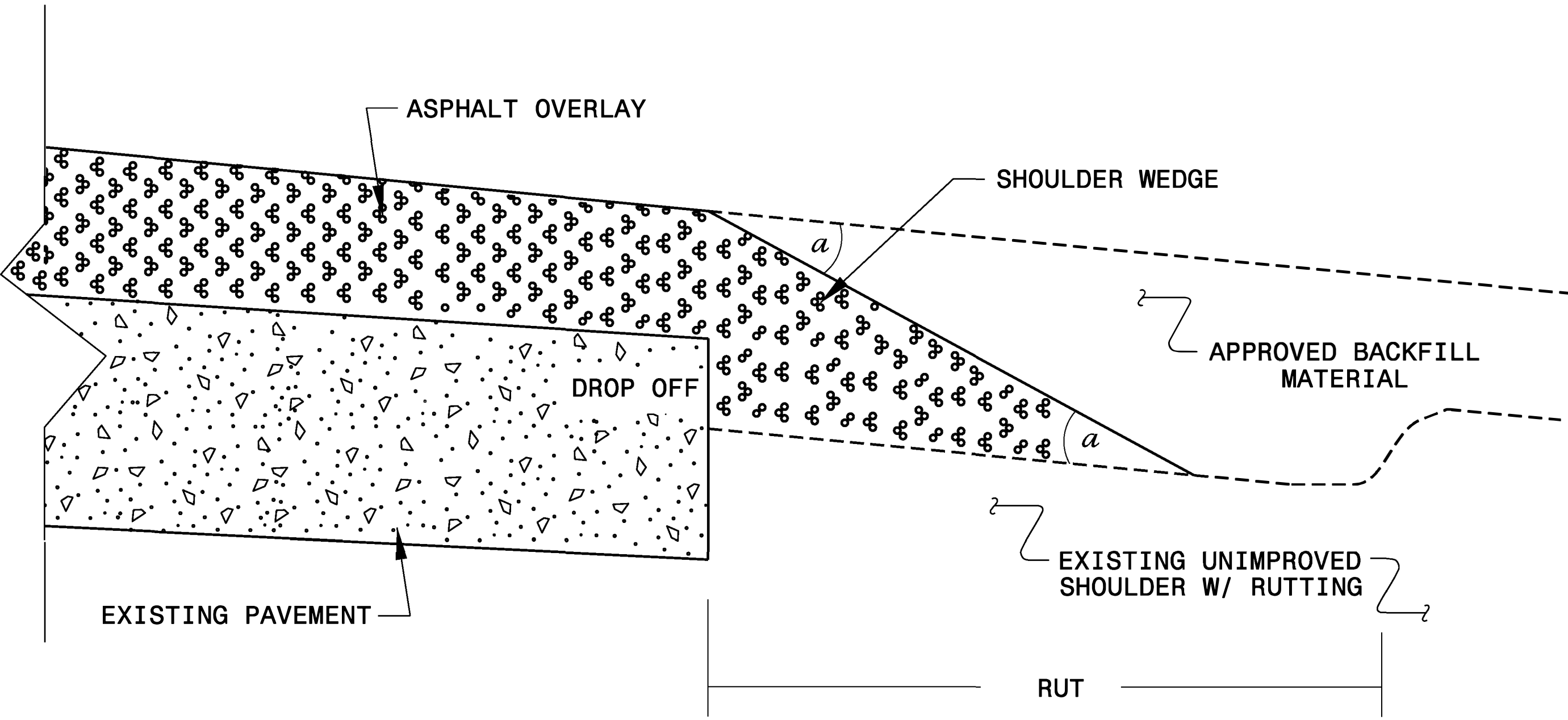
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ Widening or
with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
(Resurfacing Adjacent to
Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°



CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T. SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 2/2/16
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.13.03.20571	6	10

SUMMARY OF QUANTITIES

												1220000000-E	1245000000-E	1260000000-E	1297000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	MILLING ASPHALT PAVEMENT, 1-1/2" DEPTH	INCIDENTAL MILLING	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT
										MI	FT	TON	SMI	TON	SY	SY	TON	TON	TON
2022CPT.13.03.20571	Madison	1	SR 1395 WALNUT CREEK RD	FROM SR 1390 TO 6.08 MILES NORTH ON SR 1395 (MP 2.58 TO 8.66)	1	2	2WU	NO	NO	6.08	20	355	12.16	1,581	270	4,125	6,097	409	620
TOTAL FOR PROJ NO. 2022CPT.13.03.20571										6.08		355	12.16	1,581	270	4,125	6,097	409	620
GRAND TOTAL										6.08		355	12.16	1,581	270	4,125	6,097	409	620

THERMOPLASTIC AND PAINT QUANTITIES

										4413000000-E	4457000000-N	4810000000-E	4810000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW
								MI	FT	SF	LS	LF	LF
2022CPT.13.03.20571	Madison	1	SR 1395 WALNUT CREEK RD	FROM SR 1390 TO 6.08 MILES NORTH ON SR 1395 (MP 2.58 TO 8.66)	1	2	2WU	6.08	20	672	1	128,410	128,410
TOTAL FOR PROJ NO. 2022CPT.13.03.20571								6.08		672	1	256,820	
GRAND TOTAL								6.08		672	1	256,820	

SIGN NUMBER: 11299

TYPE: B

QUANTITY: SEE PLANS

SIGN WIDTH: 5'-6"

HEIGHT: 5'-6"

TOTAL AREA: 30.5 Sq.Ft.

BORDER TYPE: INSET

RECESS: 0.59"

WIDTH: 0.75"

RADII: 1.38"

NO. Z BARS: N/A

LENGTH: N/A

BACKG COLOR: Fluorescent Orange

COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: WJ

PROJECT ID: ALL

CHECKED BY:

DIV: ALL

DATE: Jun 22, 2011

SP 11299

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.13.03.20571	8	10

4'-0"

BEGIN

ROAD

WORK

17.3"

7"D

5.3"

7"D

5.3"

7"D

17.3"

20.5"

25.2"

20.5"

BORDER

R=1.38"

TH=0.75"

IN=0.59"

Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.

2. Background shall be Type VII, VIII, or IX (prismatic) fluorescent orange retroreflective sheeting.

LETTER POSITIONS																										
Letter spacings are to start of next letter																										Series/Size Text Length
		B	E	G	I	N																				D 2000
	20.5	6	5.4	6.3	2.8	4.8	20.5																			25.2
		R	O	A	D																					D 2000
	21.4	5.8	5.9	7	4.8	21.4																				23.5
		W	O	R	K																					D 2000
	20.9	7.1	6.5	5.9	4.9	20.9																				24.5

FILENAME: SP11299.PDF

NORTH CAROLINA D.O.T. SIGN DETAIL

<div>SIGN NUMBER: SP13106</div> <div>TYPE: STATIONARY</div> <div>QUANTITY: SEE PLANS</div> <div>SIGN WIDTH: 4'-0"</div> <div>HEIGHT: 4'-0"</div> <div>TOTAL AREA: 16.00 Sq.Ft.</div> <div>BORDER TYPE: INSET</div> <div>RECESS: 0.75"</div> <div>WIDTH: 1.25"</div> <div>RADII: 3"</div> <div>NO. Z BARS:</div> <div>LENGTH:</div>		<div>BACKG COLOR: Fluorescent Orange</div> <div>COPY COLOR: Black</div> <table><thead><tr><th>SYMBOL</th><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> <div>MAT'L: 0.080" (2.0 mm) ALUMINUM</div>	SYMBOL	X	Y	WID	HT																																				<div>DESIGN BY: B. RASHID</div> <div>PROJECT ID:</div> <div>CHECKED BY: AIA</div> <div>DIV:</div> <div>DATE: Apr 26, 2013</div> <table><thead><tr><th>PROJECT NO.</th><th>SHEET NO.</th><th>TOTAL NO.</th></tr></thead><tbody><tr><td>2022CPT.13.03.20571</td><td>9</td><td>10</td></tr></tbody></table> <div></div> <div>Spacing Factor is 1 unless specified otherwise</div>	PROJECT NO.	SHEET NO.	TOTAL NO.	2022CPT.13.03.20571	9	10																																																																																																																																																																																																																									
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<div>SIGN NUMBER: SP13107</div> <div>TYPE: STATIONARY</div> <div>QUANTITY: SEE PLANS</div> <div>SIGN WIDTH: 4'-0"</div> <div>HEIGHT: 4'-0"</div> <div>TOTAL AREA: 16.00 Sq.Ft.</div> <div>BORDER TYPE: INSET</div> <div>RECESS: 0.75"</div> <div>WIDTH: 1.25"</div> <div>RADII: 3"</div> <div>NO. Z BARS:</div> <div>LENGTH:</div>		<div>BACKG COLOR: Fluorescent Orange</div> <div>COPY COLOR: Black</div> <table><thead><tr><th>SYMBOL</th><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> <div>MAT'L: 0.080" (2.0 mm) ALUMINUM</div>		SYMBOL	X	Y	WID	HT																																				<div>DESIGN BY: B. RASHID</div> <div>PROJECT ID:</div> <div>CHECKED BY: AIA</div> <div>DIV:</div> <div>DATE: Apr 26, 2013</div> <table><thead><tr><th>PROJECT NO.</th><th>SHEET NO.</th><th>TOTAL NO.</th></tr></thead><tbody><tr><td>2022CPT.13.03.20571</td><td>10</td><td>10</td></tr></tbody></table> <div><div>4'-0"</div><div>4'-0"</div><div>24.9"</div><div>6"D</div><div>4.5"</div><div>6"D</div><div>24.9"</div><div>13"</div><div>40.4"</div><div>13"</div><div>Spacing Factor is 1 unless specified otherwise</div></div>		PROJECT NO.	SHEET NO.	TOTAL NO.	2022CPT.13.03.20571	10	10																																																																																																																																																																																																																									
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