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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
49919	01
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# CHATHAM COUNTY

## RESURFACING MAPS



GUILFORD COUNTY

ORANGE COUNTY

DURHAM COUNTY

ALAMANCE COUNTY

RANDOLPH COUNTY

WAKE COUNTY

4

1

3

2

LEE COUNTY

HARNETT COUNTY

MOORE COUNTY



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 Raleigh, North Carolina 27615-3960  
 NC License No. F-0112

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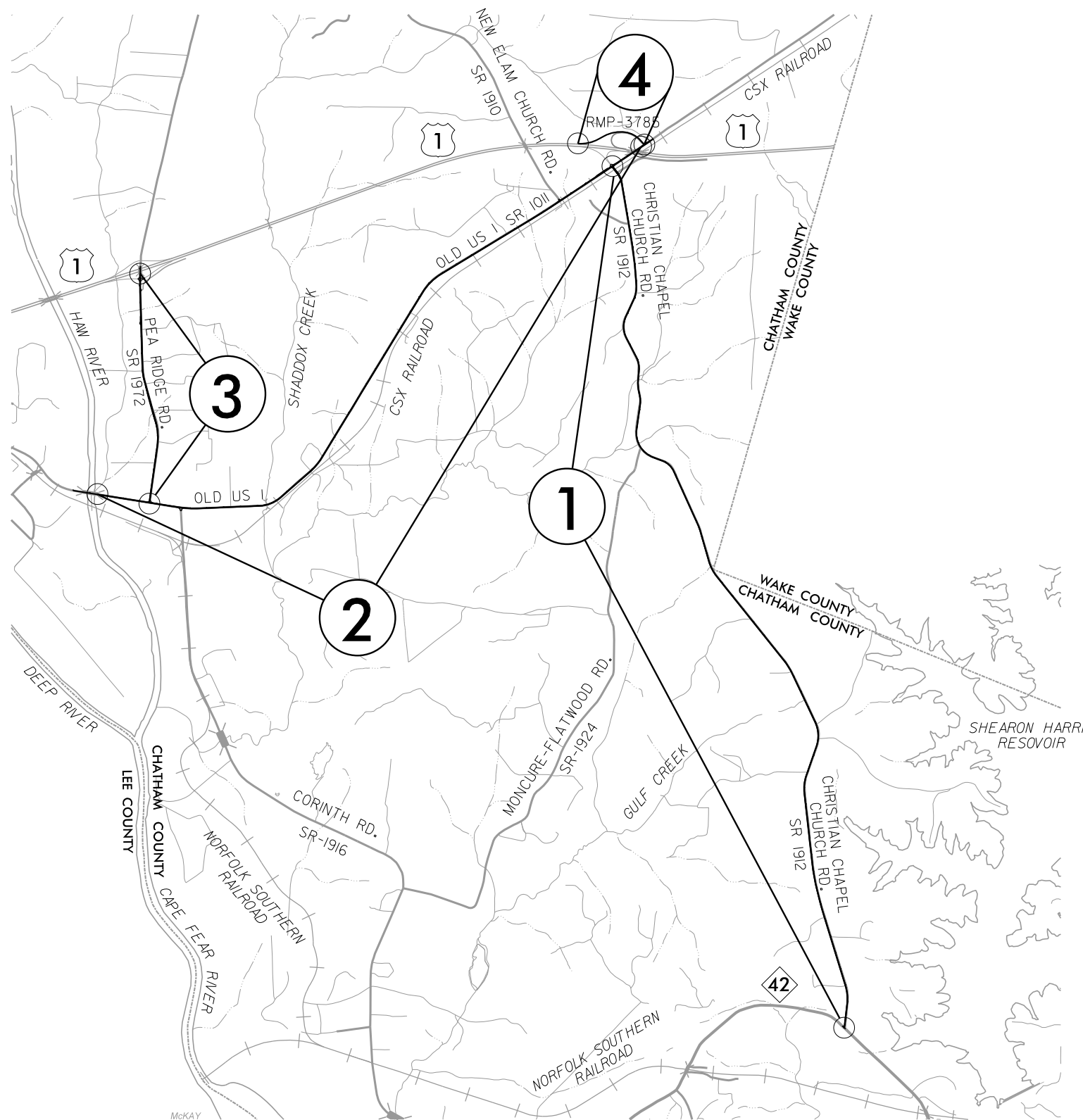
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5/14/99

# CHATHAM COUNTY

## RESURFACING MAPS 1-4

PROJECT REFERENCE NO.	SHEET NO.
49919	02
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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 Raleigh, North Carolina 27615-3960  
 NC License No. F-0112

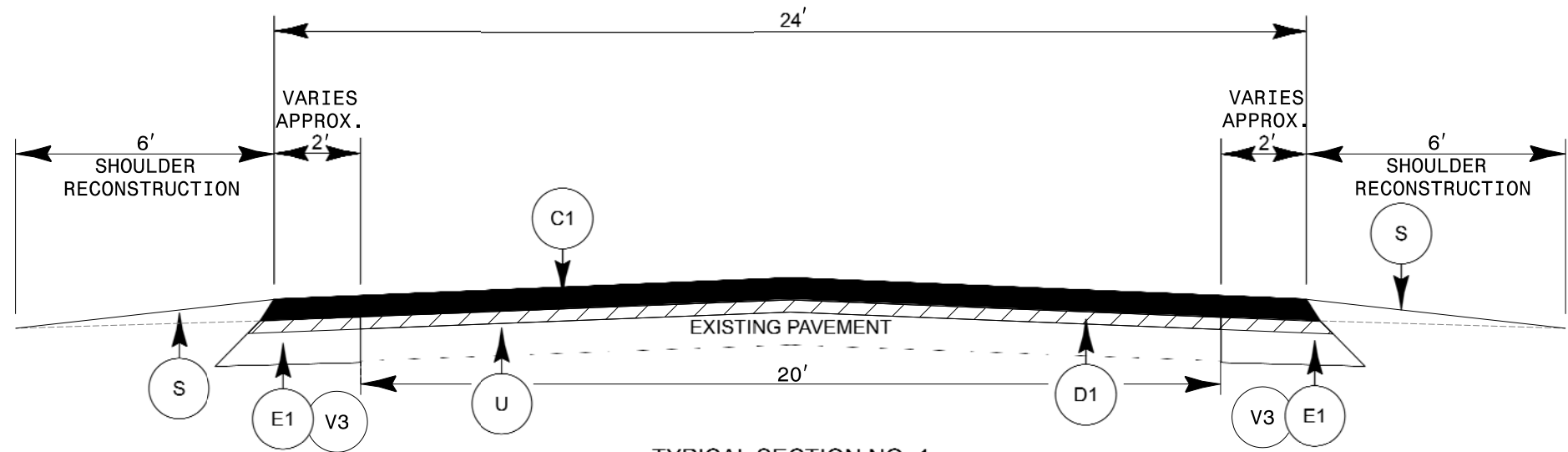
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5/17/2022 5:17:22 PM \\p01\p01\A\Projects\A\Proj\Blue\_Rdy\_psh02\_phase1A.dgn

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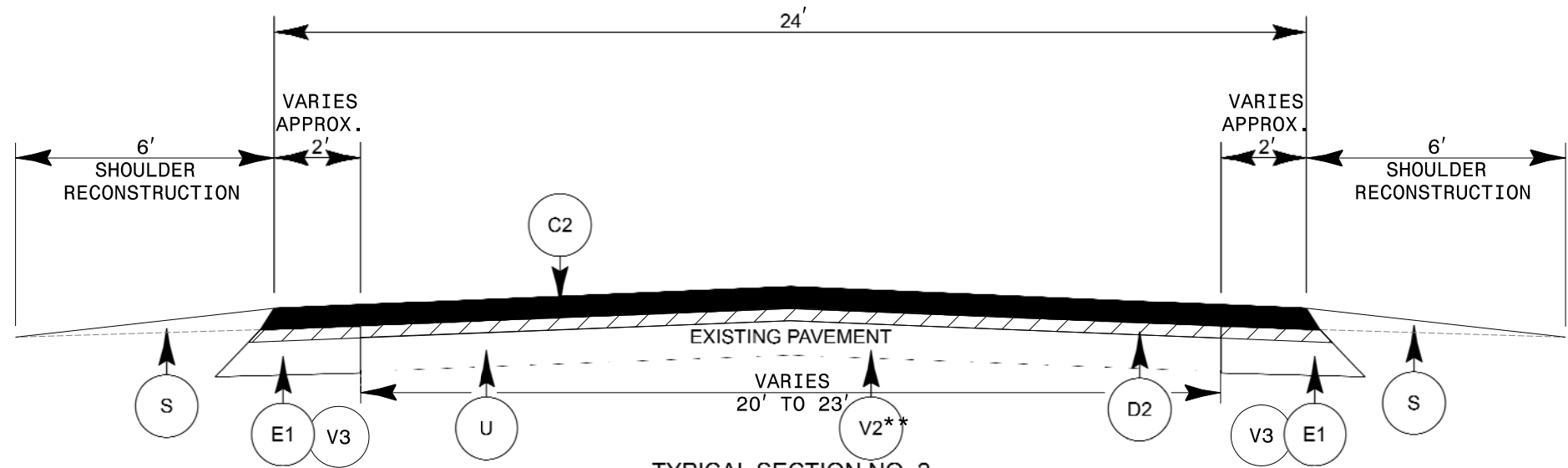
PROJECT NO.	SHEET NO.	TOTAL SHEETS
49919	3	



TYPICAL SECTION NO. 1  
MAP 1 - CHRISTIAN CHAPEL CHURCH RD.

USE WITH TYPICAL SECTION NO. 1

\*MILL/FILL RUTTING AND SLIPPAGE AREAS AS DIRECTED BY THE ENGINEER PRIOR TO OVERLAY.



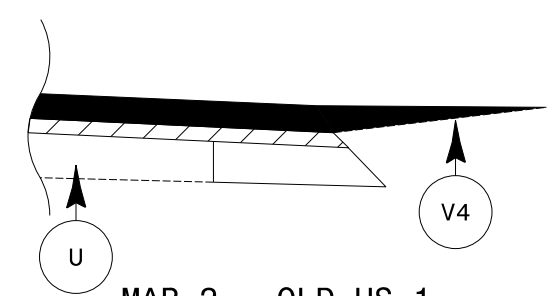
TYPICAL SECTION NO. 2  
MAP 2 - OLD US 1

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
D1	PROP. APPROX. 3.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD.
D2	PROP. APPROX. 5.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
E1	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. APPROX. 6.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 371 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
S	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	PROP. MILLING 1.5" DEPTH
V2	PROP. MILLING 5.0" DEPTH
V3	TRENCHING FOR BASE COURSE (SEE S.P.)
V4	MILLING 0" TO 5"

\*\*1.5" DIFFERENCE IN ELEVATION MUST BE MAINTAINED BETWEEN TRAVEL LANES DURING MILLING OPERATION

NOTE: MILLING ON TYPICAL SECTION NO. 2 IS INTENDED TO REMOVE EXISTING ASPHALT DOWN TO EXISTING CONCRETE PAVEMENT.

USE WITH TYPICAL SECTION NO. 2



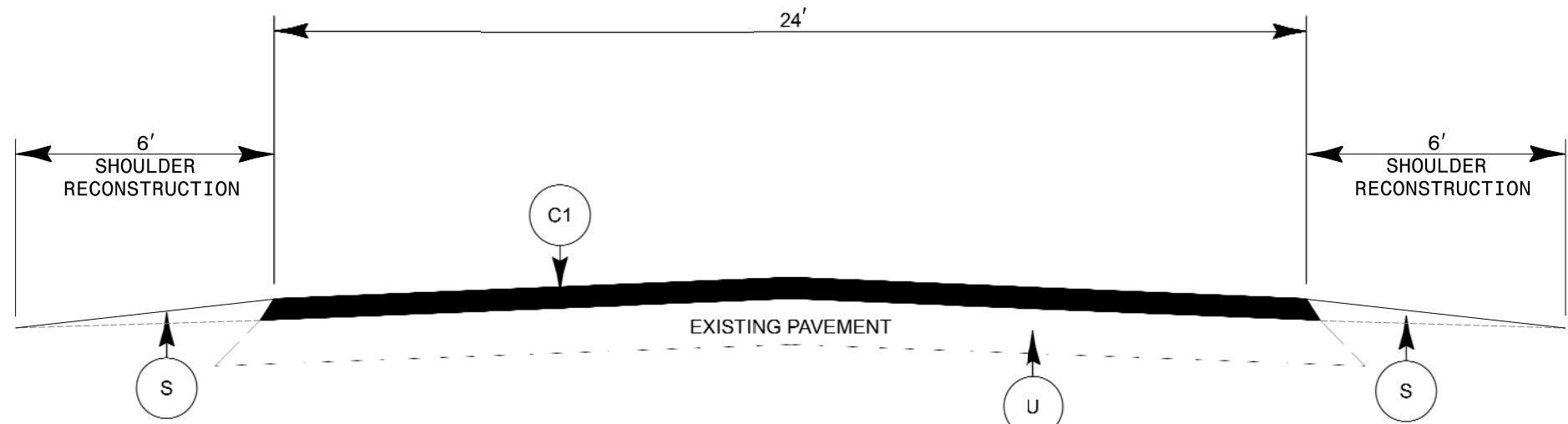
MAP 2 - OLD US 1

VARIABLE DEPTH MILLING AT INTERSECTIONS WITH OLD US 1

5/17/2022  
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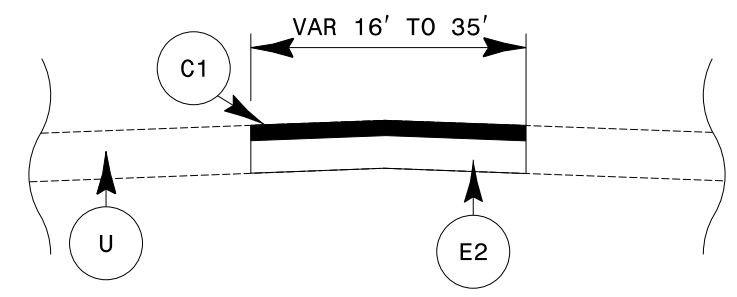
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PROJECT NO.	SHEET NO.	TOTAL SHEETS
49919	4	



TYPICAL SECTION NO. 3  
MAP 3 - PEA RIDGE RD.

DETAIL FOR MAP 4 - FULL DEPTH PAVEMENT REPAIR



MAP 4 - SB US 1 ON RAMP

NOTE: REMOVE FULL DEPTH EXISTING CONCRETE PAVEMENT AND REPLACE WITH ASPHALT AS DIRECTED BY THE ENGINEER.

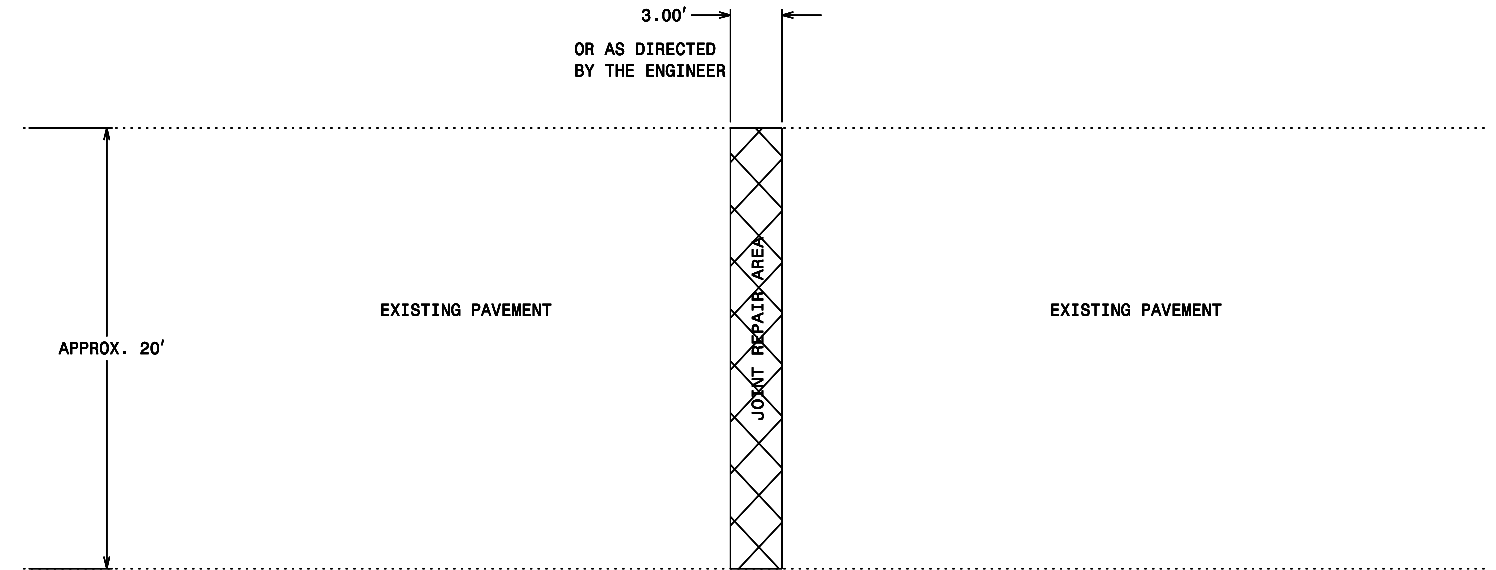
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
D1	PROP. APPROX. 3.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD.
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S	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	PROP. MILLING 1.5" DEPTH
V2	PROP. MILLING 5.0" DEPTH
V3	TRENCHING FOR BASE COURSE (SEE S.P.)
V4	MILLING 0" TO 5"

5/17/2022  
 \Roadway\Projects\2022\Phase1A\Proj\Blue-Rdy-typ-phase1A.dgn



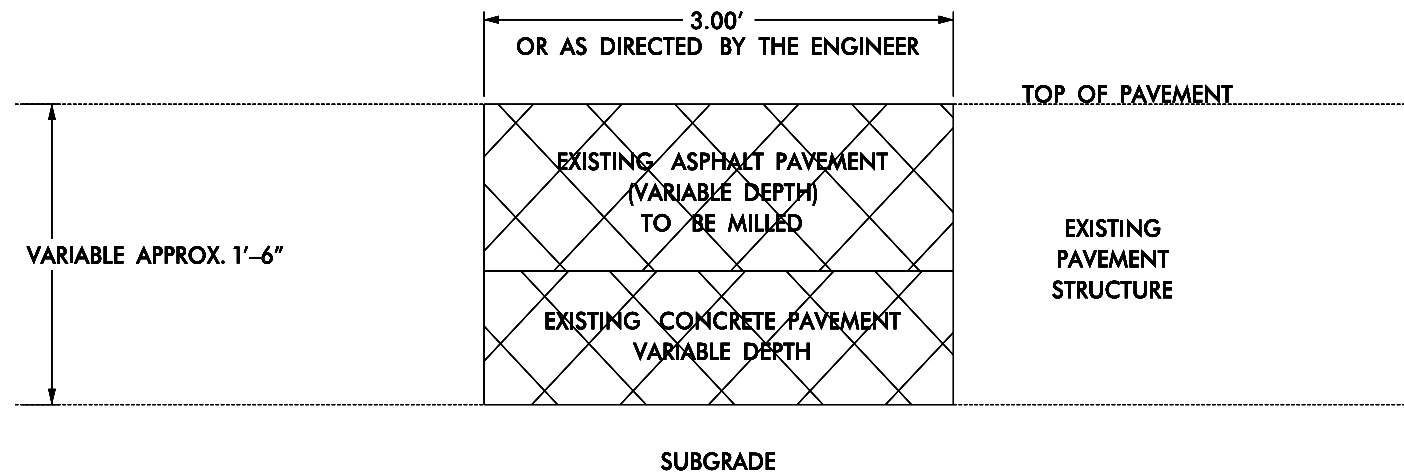
# JOINT REPAIR DETAIL

JOINT SCHEDULE	
MAP	# JOINTS
#2 OLD US 1	21

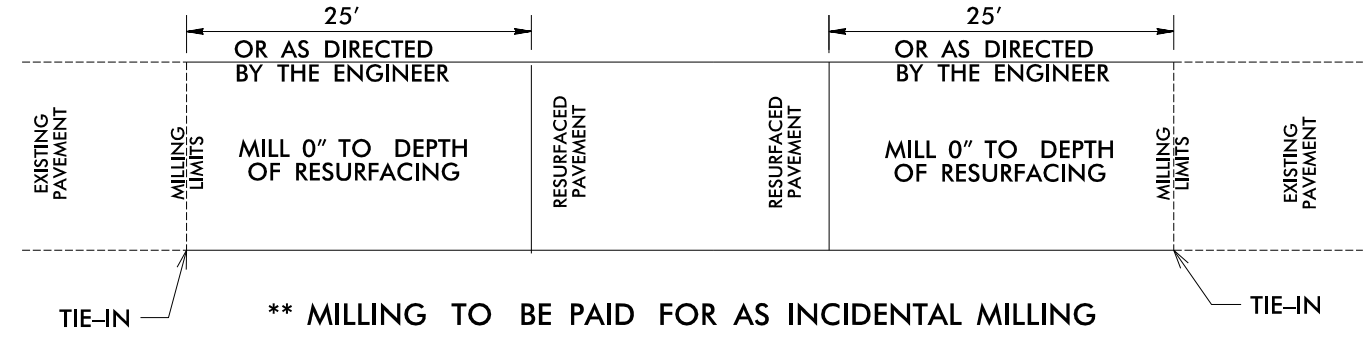


CONTRACTOR SHALL COORDINATE WITH RESIDENT ENGINEER'S OFFICE FOR LOCATION OF JOINTS TO BE REPAIRED.

## CROSS-SECTION



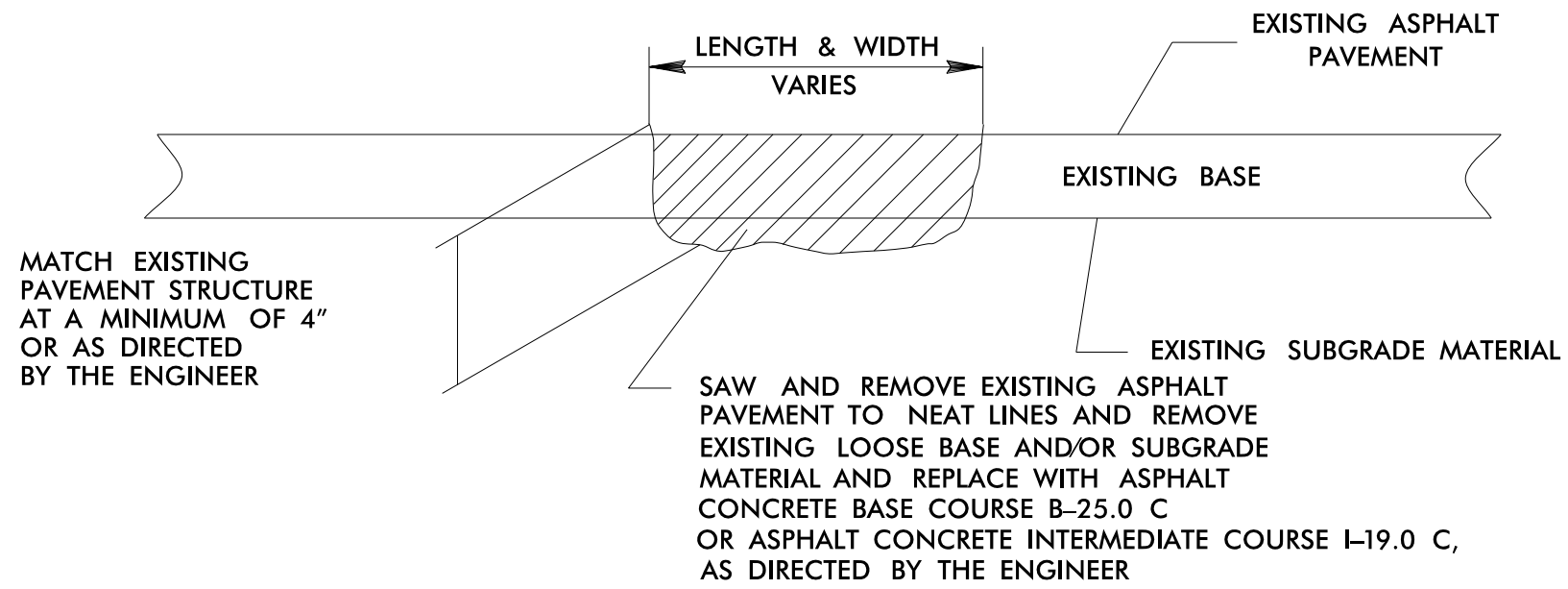
**NOTE:**  
 REMOVE CONCRETE AT JOINT LOCATIONS AS DIRECTED BY THE ENGINEER (BY SAWING CLEAN JOINTS).  
 REMOVE A TOTAL WIDTH OF 3' (APPROX. 1.5' EACH SIDE OF JOINT).  
 REMOVE AND REPLACE WITH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C.  
 THERE WILL BE NO DIRECT PAY FOR THIS WORK AS IT WILL BE CONSIDERED INCIDENTAL TO TO THE LINE ITEM, JOINT REPAIR (TONNAGE)



\*\* MILLING TO BE PAID FOR AS INCIDENTAL MILLING

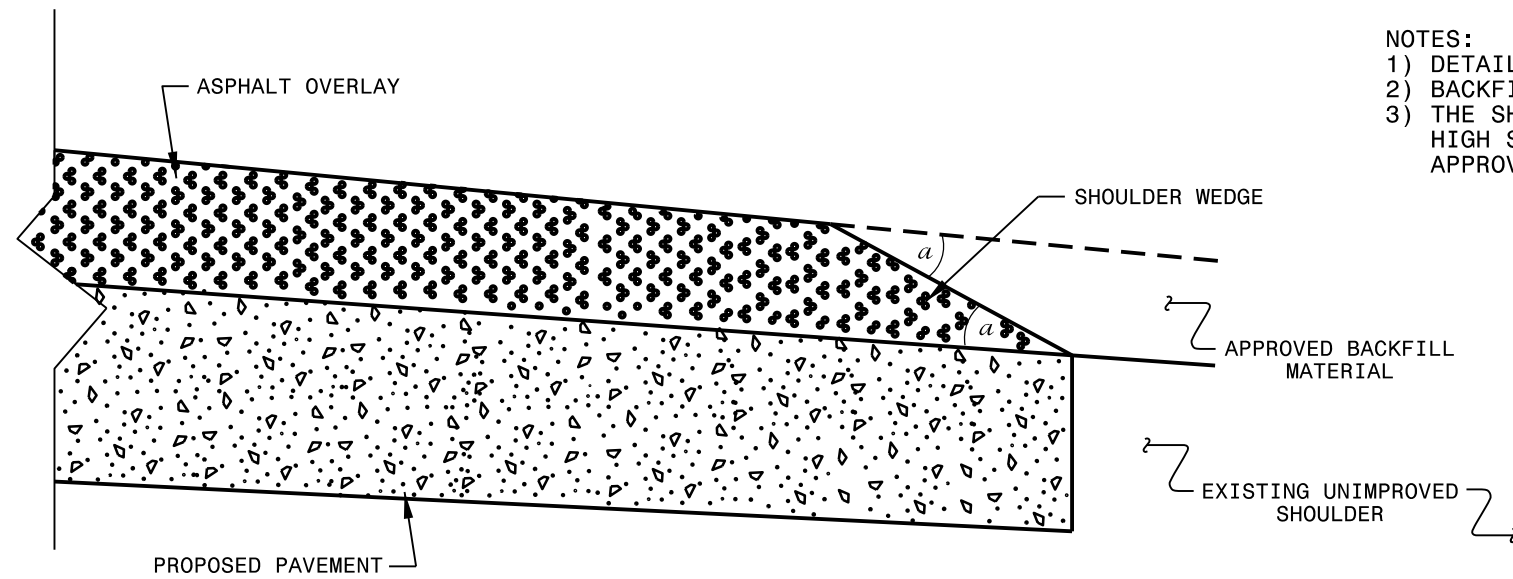
## PAVEMENT TIE-IN DETAIL

### DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING

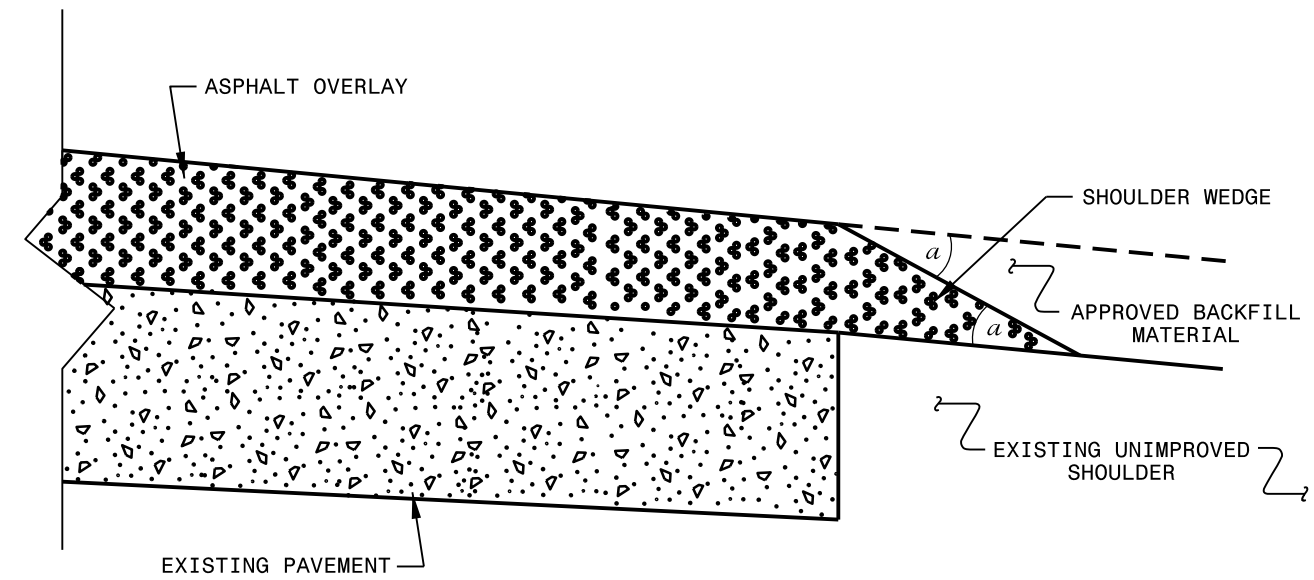


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5/17/2022  
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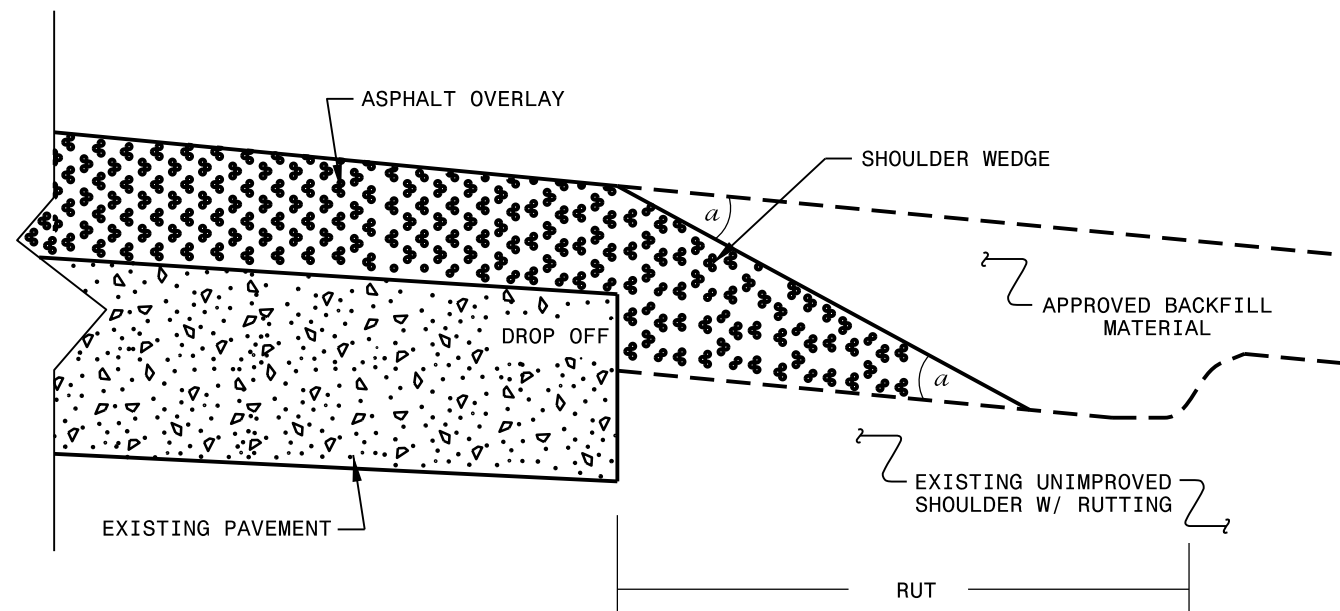
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**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°

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



PROJECT NO.	SHEET NO.	TOTAL NO.
49919	8	

**SUMMARY OF QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0248000000-N	1220000000-E	1245000000-E	1260000000-E	1297000000-E	1308000000-E	1330000000-E	1491000000-E	1503000000-E	1523000000-E	1575000000-E	1704000000-E	1880000000-E	2612000000-E	2655000000-E	2738000000-E	2845000000-N	3360000000-E	5255000000-N	6000000000-E	6029000000-E	6117500000-N												
												GENERIC GRADING ITEM (REMOVAL OF EXISTING RAILROAD CROSSING)	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	1 1/2" MILLING	5" MILLING	0" TO 5" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	INTERMEDIATE COURSE, I19.0C	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	GENERIC PAVING ITEM (JOINT REPAIR)	6" DRIVEWAYS	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	GENERAL PAVING ITEM (REMOVE EXISTING CONCRETE ISLANDS)	ADI. OF METER OR VALVE BOX	REMOVE EXISTING GUARDRAIL	PORTABLE LIGHTING	TEMPORARY SILT FENCE	SAFETY FENCE	CONCRETE WASHOUT STRUCTURE											
												MI	FT	LS	TONS	SMI	TON	SY	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TON	SY	SY	SY	EA	LF	LS	LF	LF	EA									
49919	Chatham	1	SR1912	CHRISTIAN CHAPEL CHURCH RD. FROM OLD US 1 TO NC 42	1	2	2WU	NO	NO	5.259	24		907	10.52	4,909.00	1,035			223	3,632	15,562	6,701	1,312																						
<b>TOTAL FOR MAP NO. 1</b>												5.259			907	10.52	4,909.00	1,035			223	3,632	15,562	6,701	1,312																				
49919	Chatham	2	SR1011	OLD US 1 FROM HAW RIVER BRIDGE TO SB RAMPS OF US 1	2	2	2WU	NO	NO	3.985	24	1.00	3,000	7.97	2,232.00				53,774	4,024	531	3,552	17,645	10,737	1,651	24	61.00	80					260.00		100	100	1								
<b>TOTAL FOR MAP NO. 2</b>												3.985		1.00	3,000	7.97	2,232.00			53,774	4,024	531	3,552	17,645	10,737	1,651	24	61.00	80					260.00		100	100	1							
49919	Chatham	3	SR1972	PEA RIDGE RD. FROM OLD US 1 TO US1 BRIDGE	3	2	2WU	NO	NO	1.296	24		254	2.59	363.00																														
<b>TOTAL FOR MAP NO. 3</b>												1.296			254	2.59	363.00																												
49919	Chatham	4	RMP-3785	US1 SB RAMP	Detail for Map 4	1		NO	NO	0.028	16																																		
<b>TOTAL FOR MAP NO. 4</b>												0.028																																	
<b>TOTAL FOR PROJ NO. 49919</b>												10.568		1.00	4,161	21.08	7,504.00	1,035	53,774	4,024	966	7,184	33,207	19,355	3,078	182	61.00	80			44.44	44.44	1	260.00	1.00	100	100	100	1						
<b>GRAND TOTAL</b>												10.568		1.00	4,161	21.08	7,504.00	1,035	53,774	4,024	966	7,184	33,207	19,355	3,078	182	61.00	80			44.44	44.44	1	260.00	1.00	100	100	100	1						

