

NEW HANOVER COUNTY

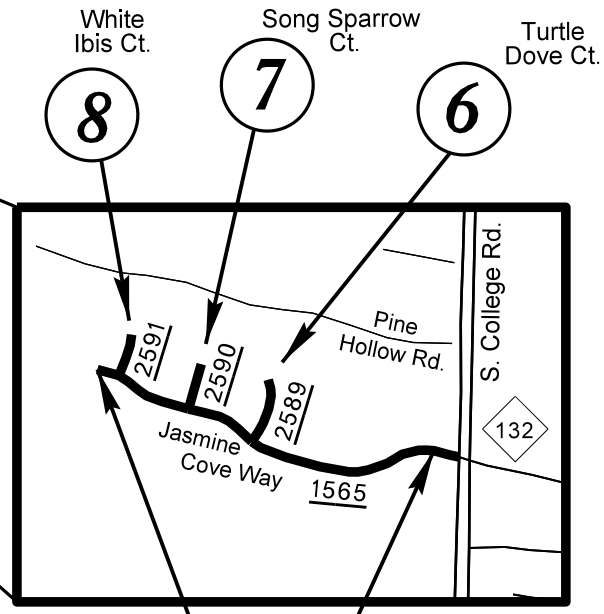
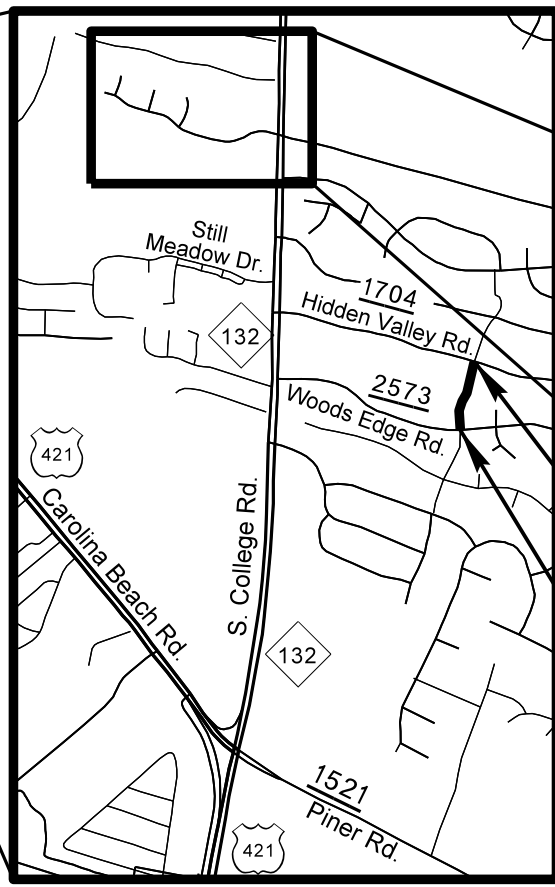
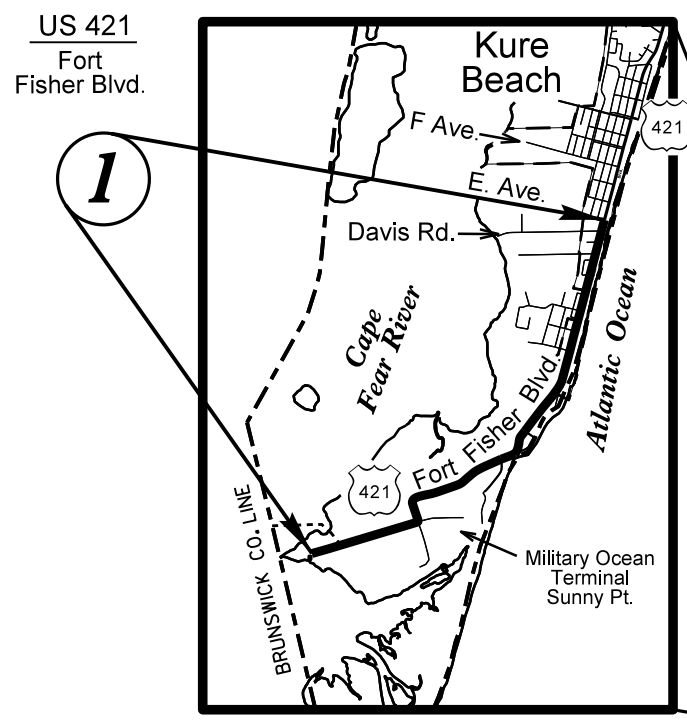
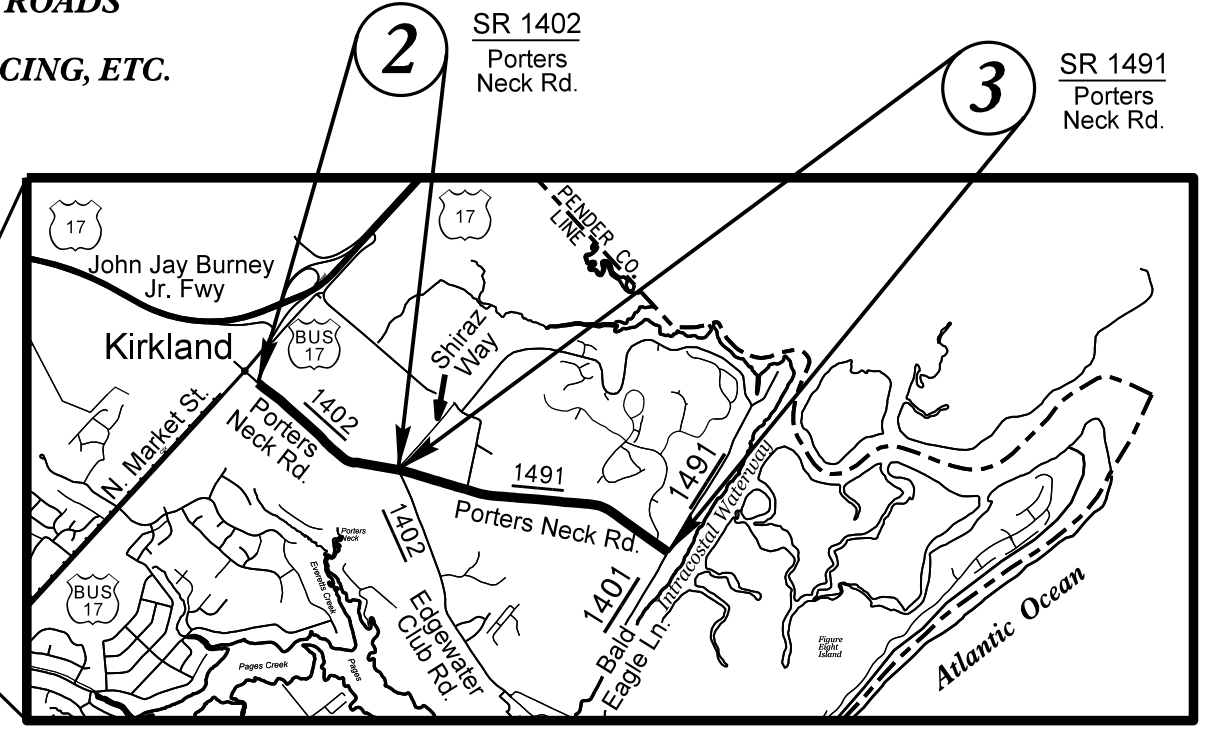
INDEX OF SHEETS	
SHEET NO.	SHEET
1	INDEX OF SHEETS & TITLE SHEET
2 - 12	PAVEMENT SCHEDULE, TYPICAL SECTIONS & DETAIL SHEETS
13 - 15	SUMMARY OF QUANTITIES
16 & 17	TRAFFIC CONTROL DETAIL

LOCATION: 1 SECTION OF US 421
7 SECTIONS OF SECONDARY ROADS

TYPE OF WORK: MILLING & RESURFACING, ETC.



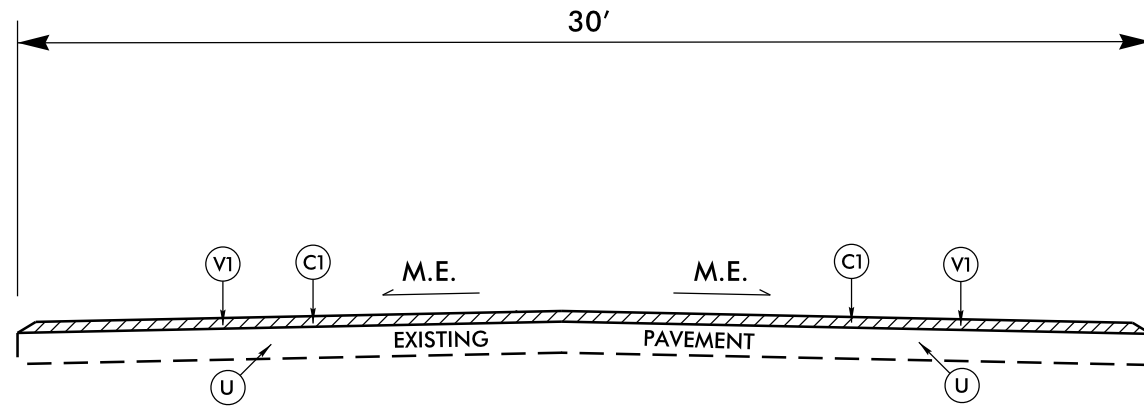
NEW HANOVER COUNTY



MAPS N.T.S.

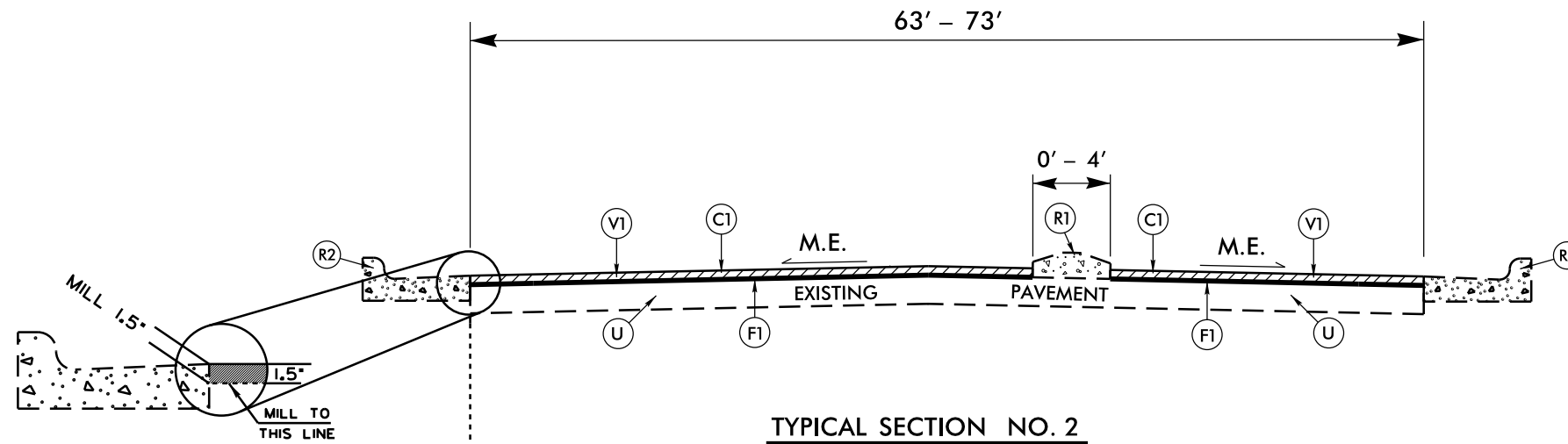
REVISIONS

2-APR-2015 15:00
 C:\Resurfacing\New_Hanover_County\3CR.10651.174, ETC.US 421,SR 1402,1491, ETC.\3CR.10651.174, ETC.Rdy_tsh.dgn
 \$\$\$BLSRNGM\$\$\$



TYPICAL SECTION NO. 1

MAP NO. 1
US 421 (FORT FISHER BLVD. S.)
MP 0.00 - MP 3.07



TYPICAL SECTION NO. 2

MAP NO. 2
SR 1402 (PORTERS NECK RD.)
MP 0.14 - MP 0.20

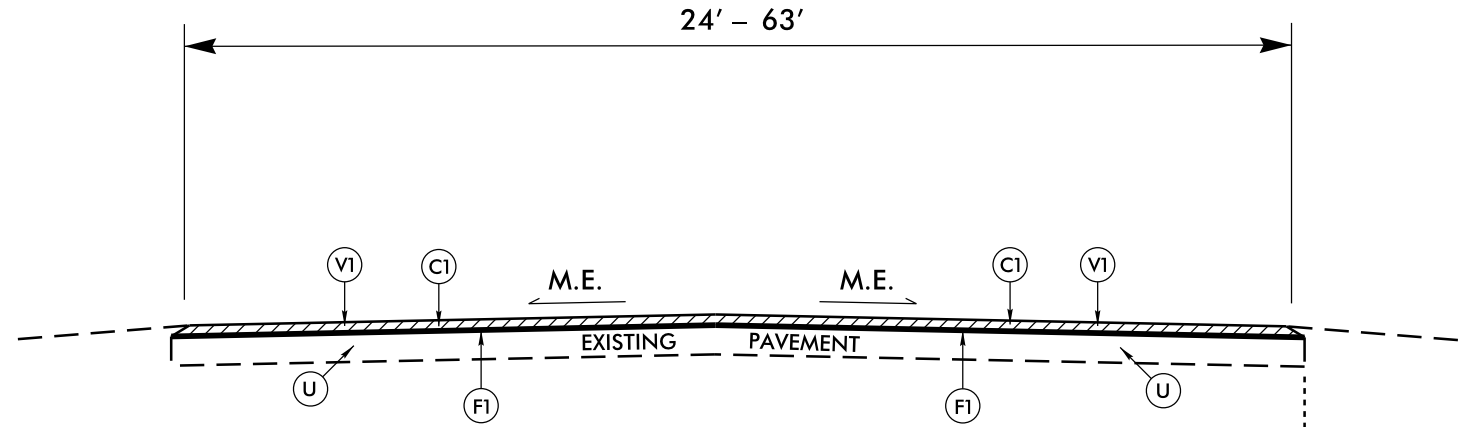
MP 0.16 - MP 0.20

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 3/4" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 85 LBS. PER SQ.YD.
F1	ASPHALT SERVICE TREATMENT - MAT COAT #6M STONE
R1	EXISTING CONCRETE MONOLITHIC ISLAND
R2	EXISTING CONCRETE 2'-6" CURB & GUTTER
R3	EXISTING CONCRETE 1'-6" CURB & GUTTER
R4	EXISTING CONCRETE CURB
U	EXISTING PAVEMENT
V1	MILLING BITUMINOUS PAVEMENT 1 1/2" DEPTH

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

REVISIONS

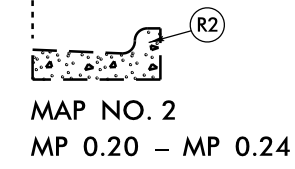
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 \$\$\$SUSERRN\$\$\$



TYPICAL SECTION NO. 3

MAP NO. 2
SR 1402 (PORTERS NECK RD.)
MP 0.20 – MP 1.03

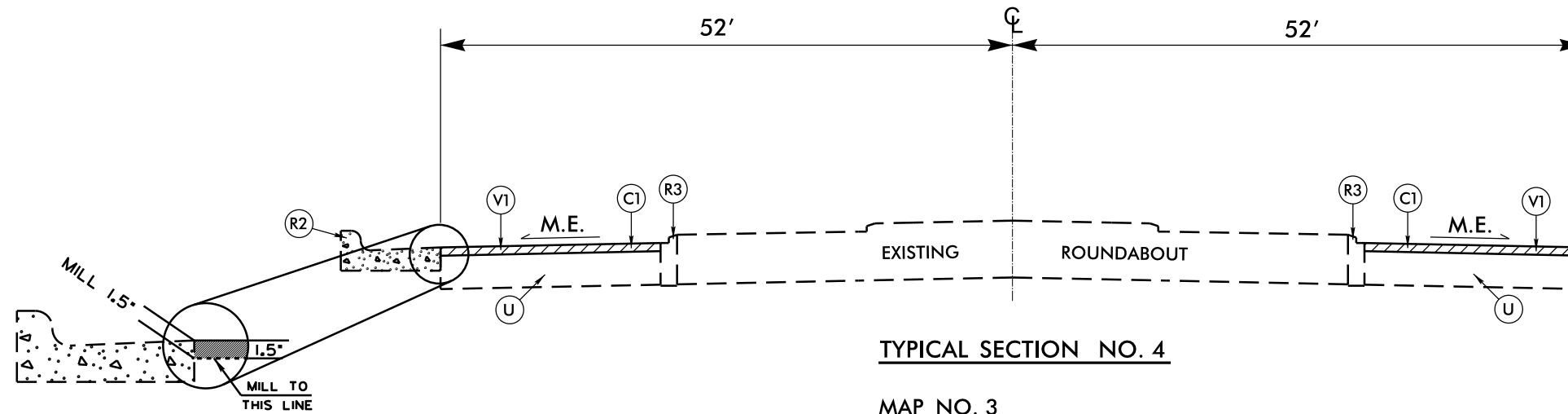
MAP NO. 3
SR 1491 (PORTER'S NECK RD.)
MP 4.31 – MP 2.92



MAP NO. 2
MP 0.20 – MP 0.24

PAVEMENT SCHEDULE	
C1	1½" S9.5B
F1	AST MAT COAT #6M STONE
R2	EXIST. 2'-6" C & G
R3	EXIST. 1'-6" C & G
U	EXISTING PAVEMENT
V1	MILLING 1½" DEPTH

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

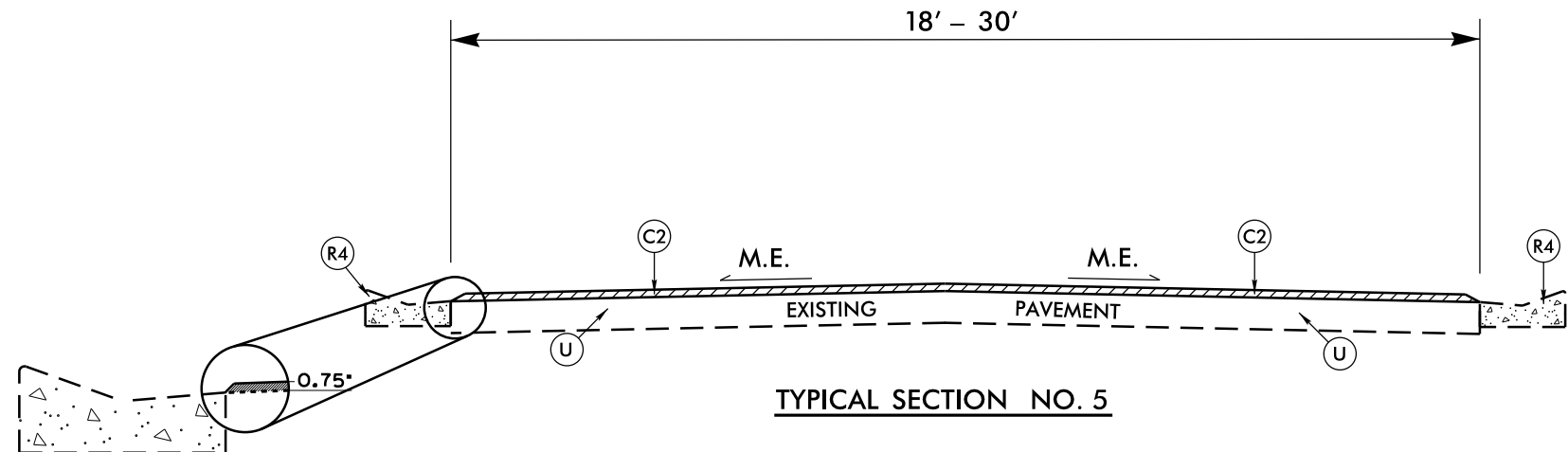


TYPICAL SECTION NO. 4

MAP NO. 3
SR 1491 (PORTERS NECK RD.)
EXISTING ROUNDABOUT
MP 4.33 – MP 4.31

REVISIONS

8/17/99
15-APR-2015 14:49
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mikummel

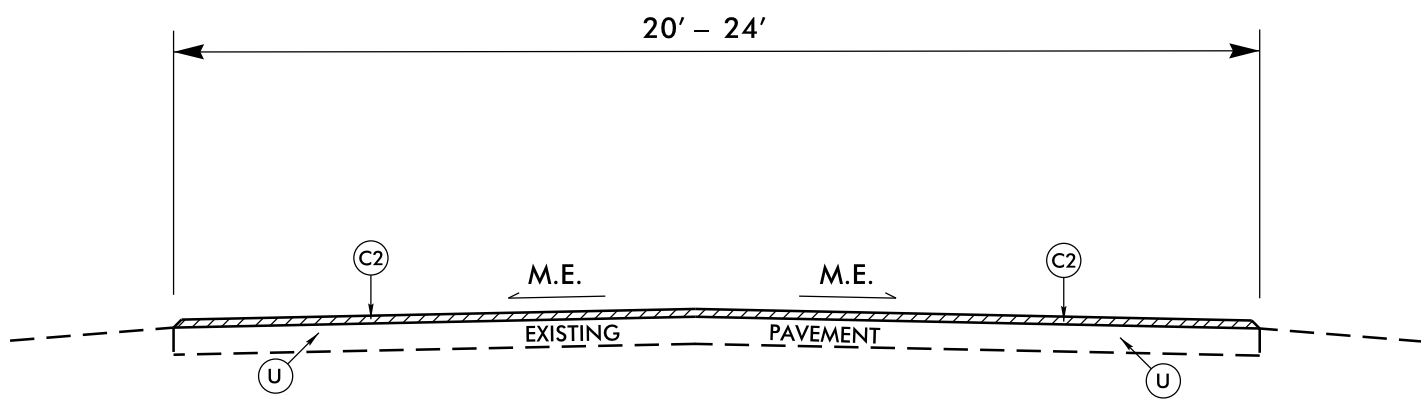


TYPICAL SECTION NO. 5

- | | | |
|--|--|--|
| MAP NO. 4
SR 1565 (JASMINE COVE WAY)
MP 0.00 – MP 0.24 | MAP NO. 6
SR 2589 (TURTLE DOVE CT.)
MP 0.00 – MP 0.07 | MAP NO. 8
SR 2591 (WHITE IBIS CT.)
MP 0.00 – MP 0.03 |
| MAP NO. 5
SR 2578 (WOOD RIDGE RD.)
MP 0.05 – MP 0.13 | MAP NO. 7
SR 2590 (SONG SPARROW CT.)
MP 0.00 – MP 0.05 | |

PAVEMENT SCHEDULE	
C2	¾" S4.75A
R4	EXIST. CONCRETE CURB
U	EXISTING PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



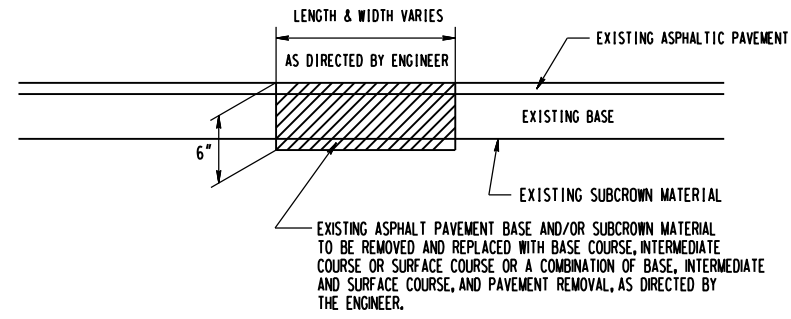
TYPICAL SECTION NO. 6

- | |
|--|
| MAP NO. 4
SR 1565 (JASMINE COVE WAY)
MP 0.24 – MP 0.38 |
| MAP NO. 5
SR 2578 (WOOD RIDGE RD.)
MP 0.00 – MP 0.05 |

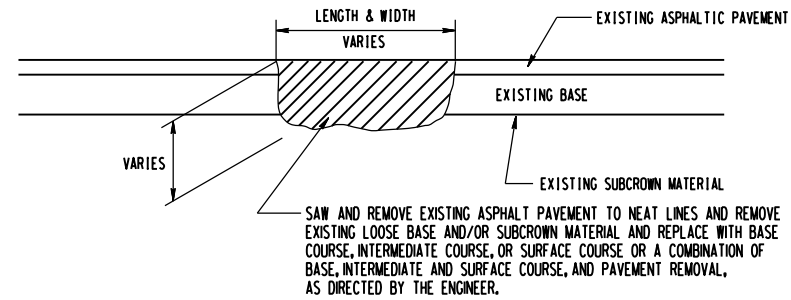
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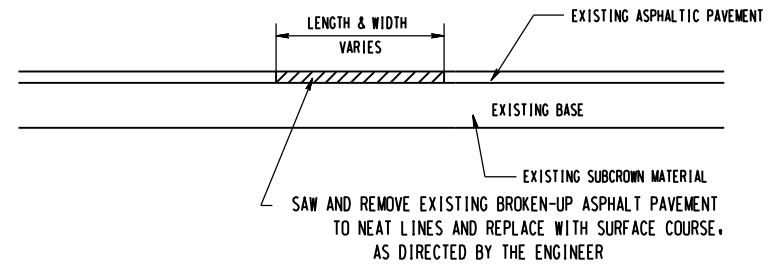
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



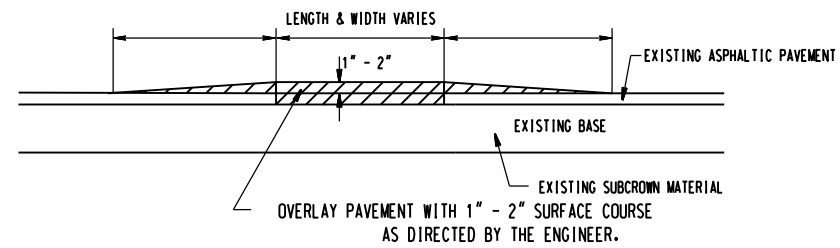
DETAIL NO. 1



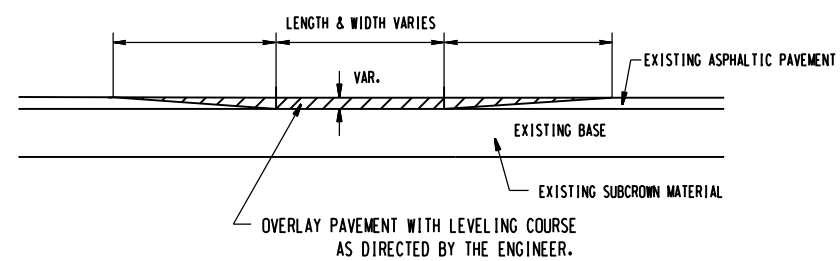
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4



DETAIL NO. 5

REVISIONS

20-APP-2015-11E4
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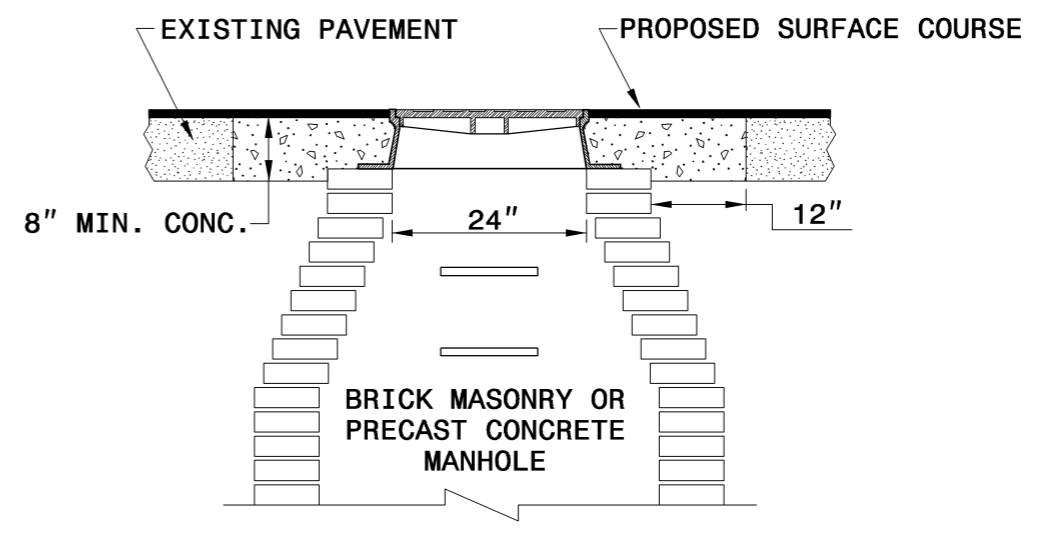
STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

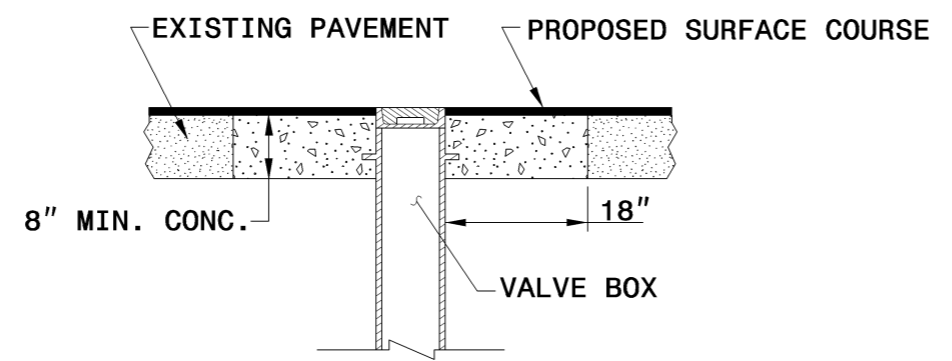
SHEET 1 OF 1
840D55

GENERAL NOTES:

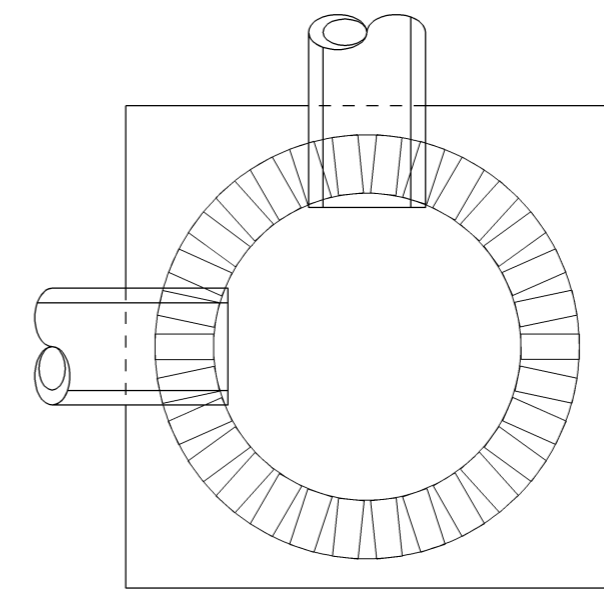
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES.
4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
5. MIX MORTAR TO NCDOT SPECIFICATIONS.
6. MORTAR JOINTS 1/2" +/- 1/8"



MANHOLE CONCRETE ENCASEMENT



VALVE BOX CONCRETE ENCASEMENT



ELEVATION VIEW

PLACE BRICK ACCORDING TO ELEVATION VIEW

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

SHEET 1 OF 1
840D55

**PROJECT SERVICES UNIT
 STANDARDS AND SPECIAL DESIGN**
 Office 919-250-4128 FAX 919-250-4119

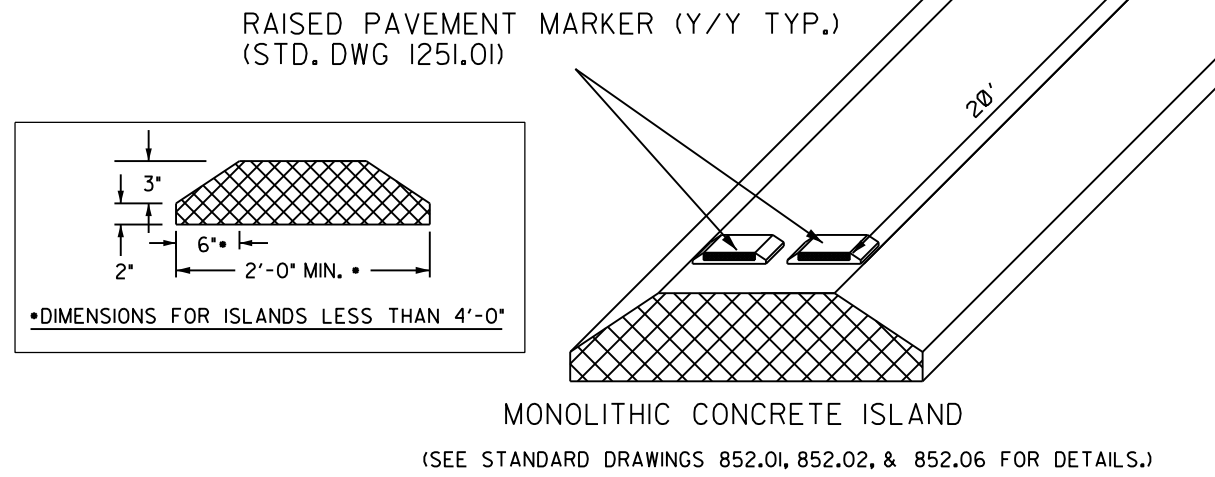
SEE PLATE FOR TITLE

ORIGINAL BY: _____ DATE: _____
 MODIFIED BY: E.E. WARD DATE: _____
 CHECKED BY: _____ DATE: _____
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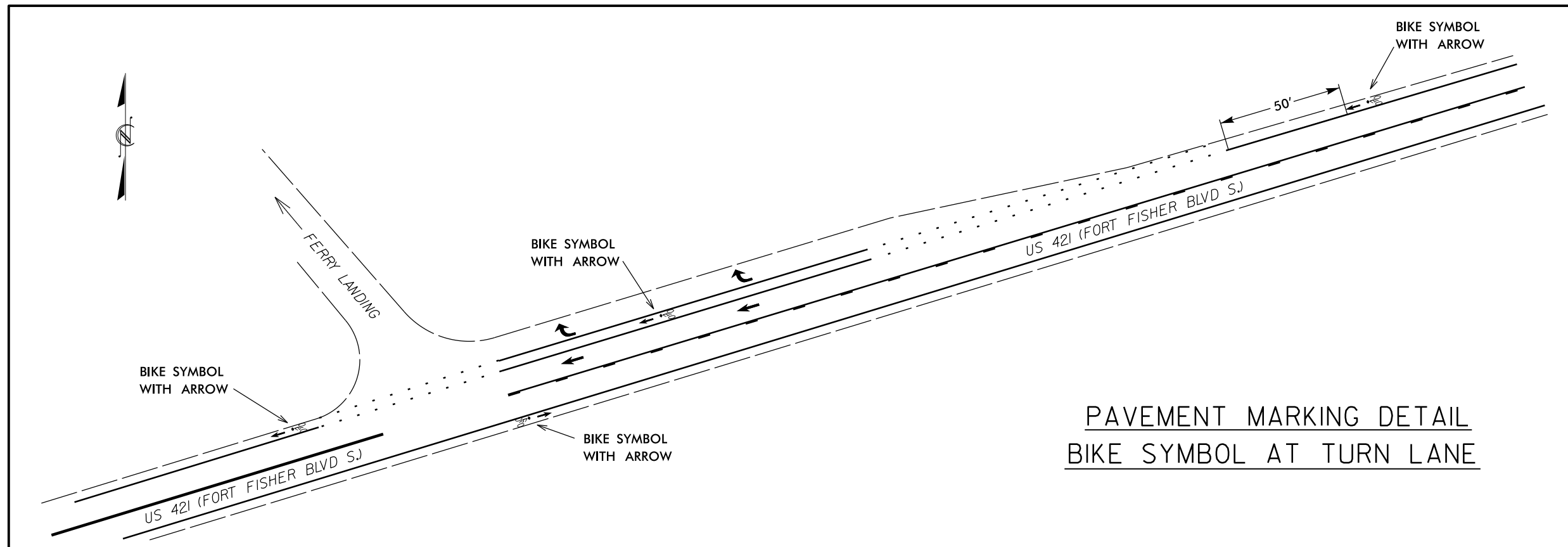
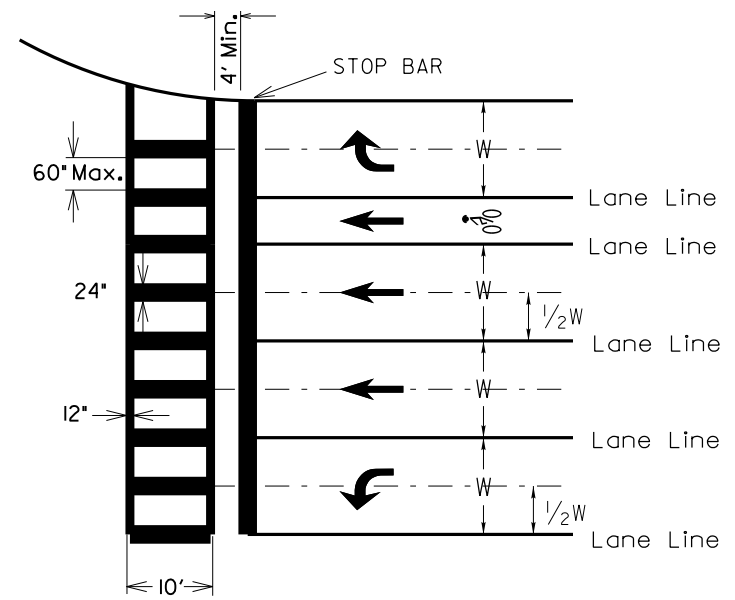
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PAVEMENT MARKING & MARKER DETAILS

PAVEMENT MARKER DETAIL FOR CONCRETE ISLANDS



SPECIAL EMPHASIS HI-VISIBILITY CROSSWALK MARKING DETAIL WITH BIKE LANES



PAVEMENT MARKING DETAIL BIKE SYMBOL AT TURN LANE

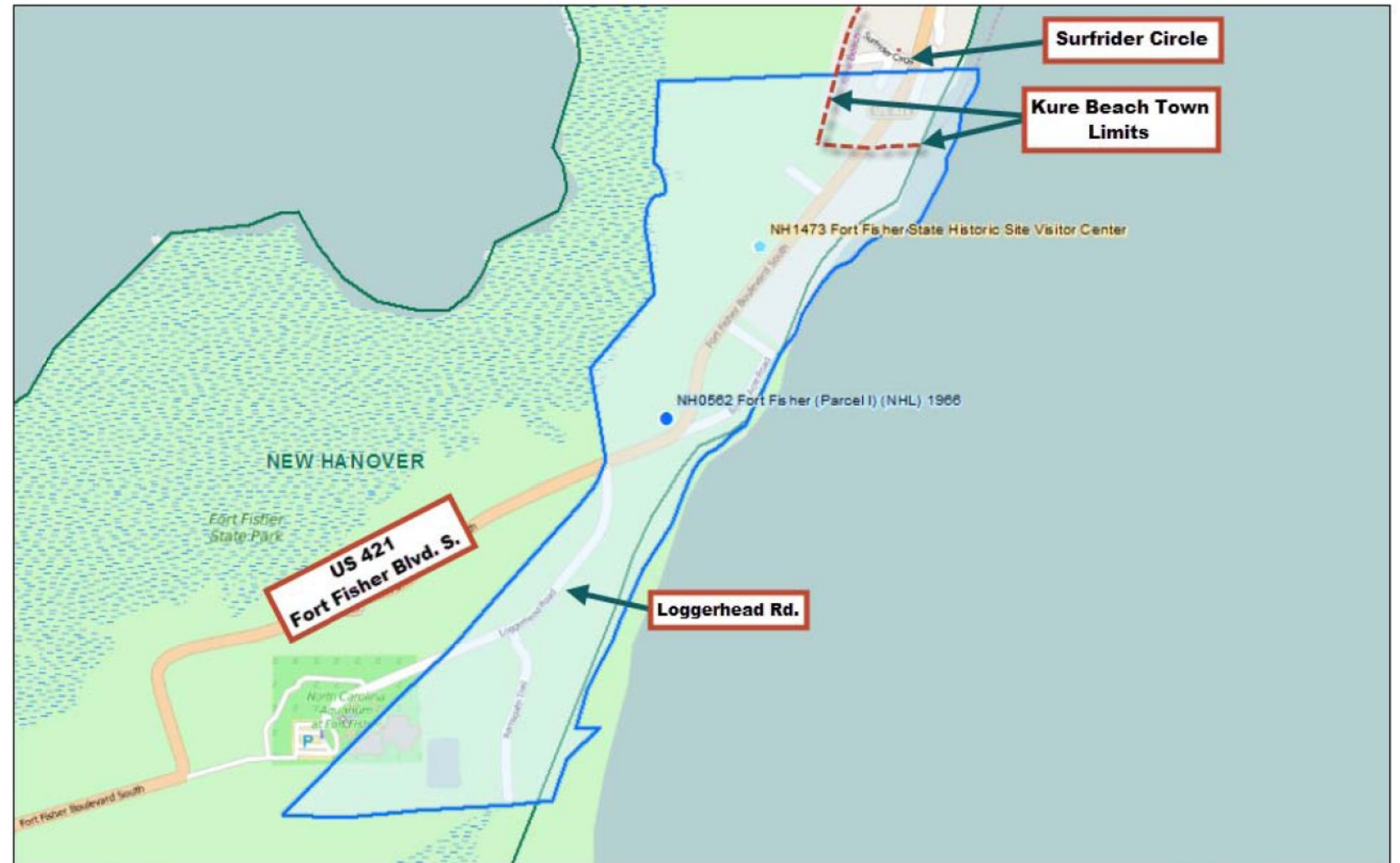
REVISIONS

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8/17/99

FORT FISHER HISTORIC BOUNDARY

US 421 (MAP NO. 1)

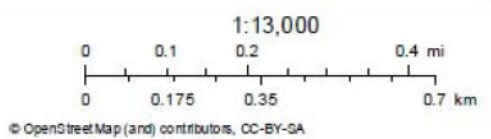
New Hanover County - Portion of US 421



March 13, 2015

- | | |
|-----------------------|----------------------------|
| NR Points | NRHD Center Point |
| NR Individual Listing | NR Boundaries |
| NR Listing, Gone | National Register Boundary |

Fort Fisher Historic Boundary



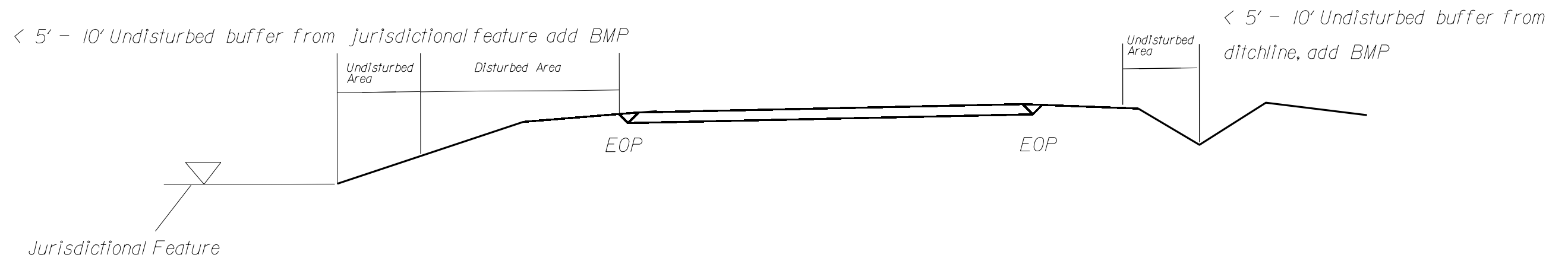
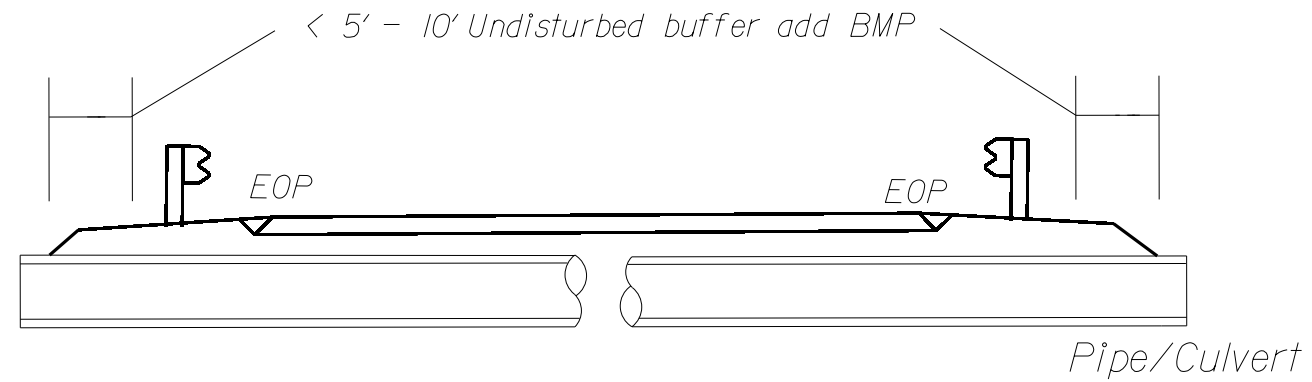
REVISIONS

I5-APR-2015 1442
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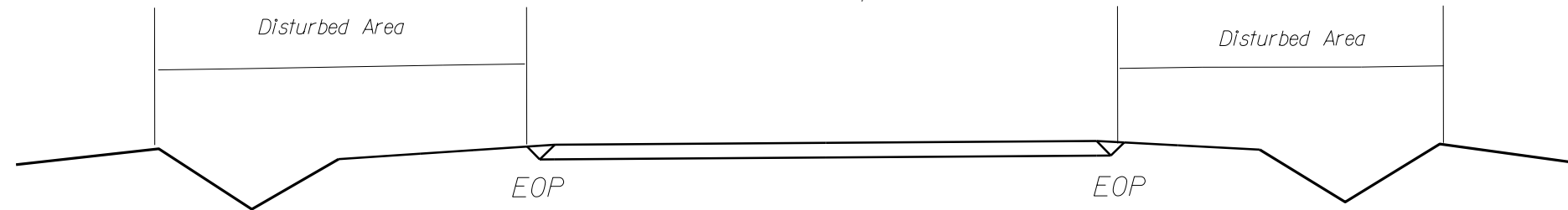
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

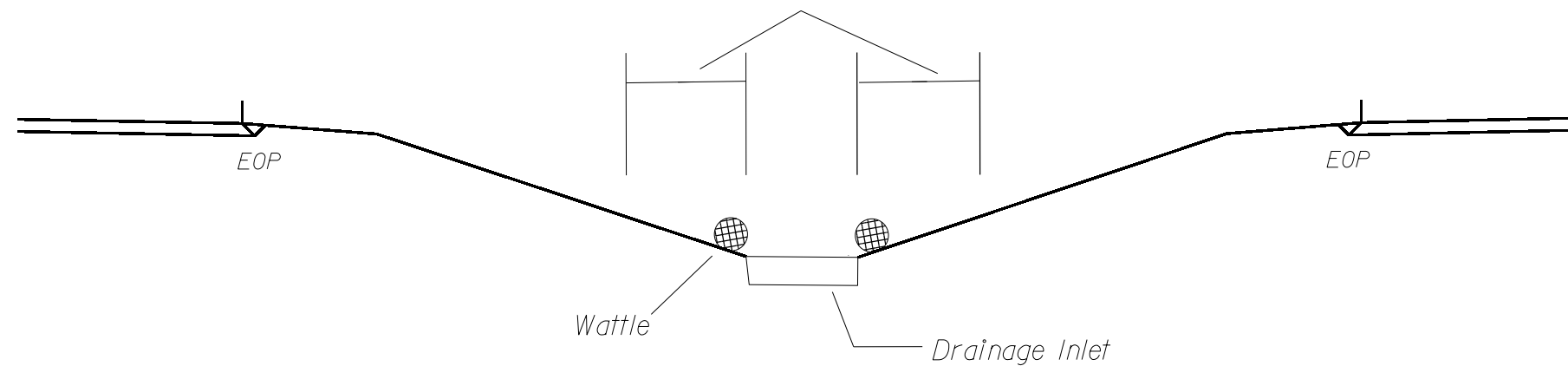
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



< 5' - 10' Undisturbed buffer from inlet, add wattle



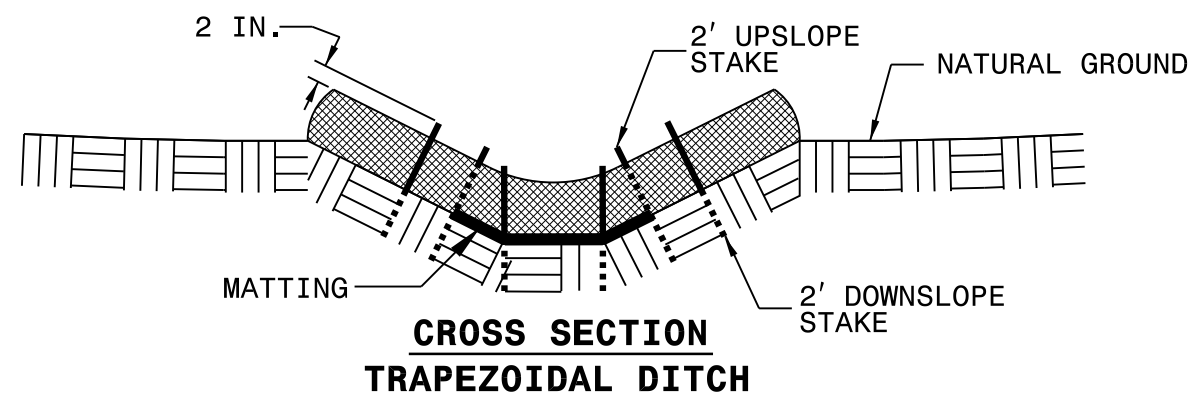
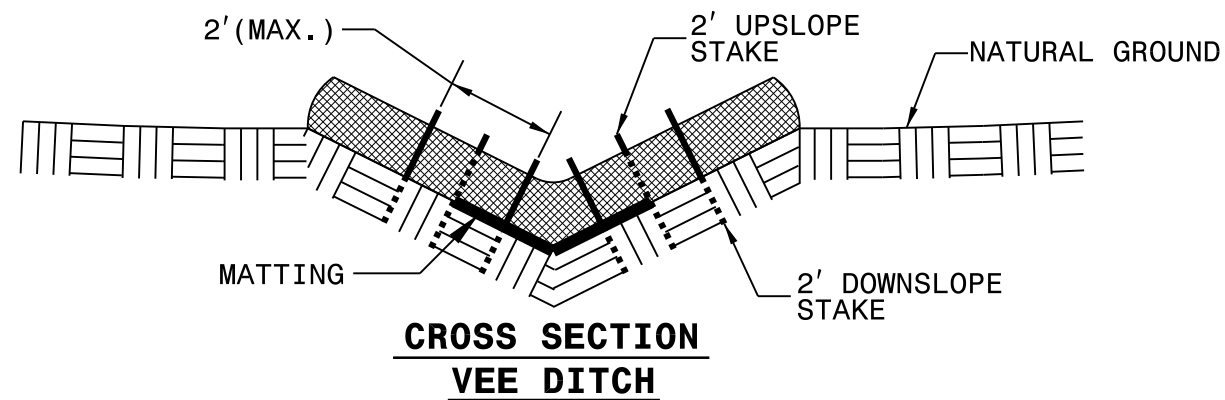
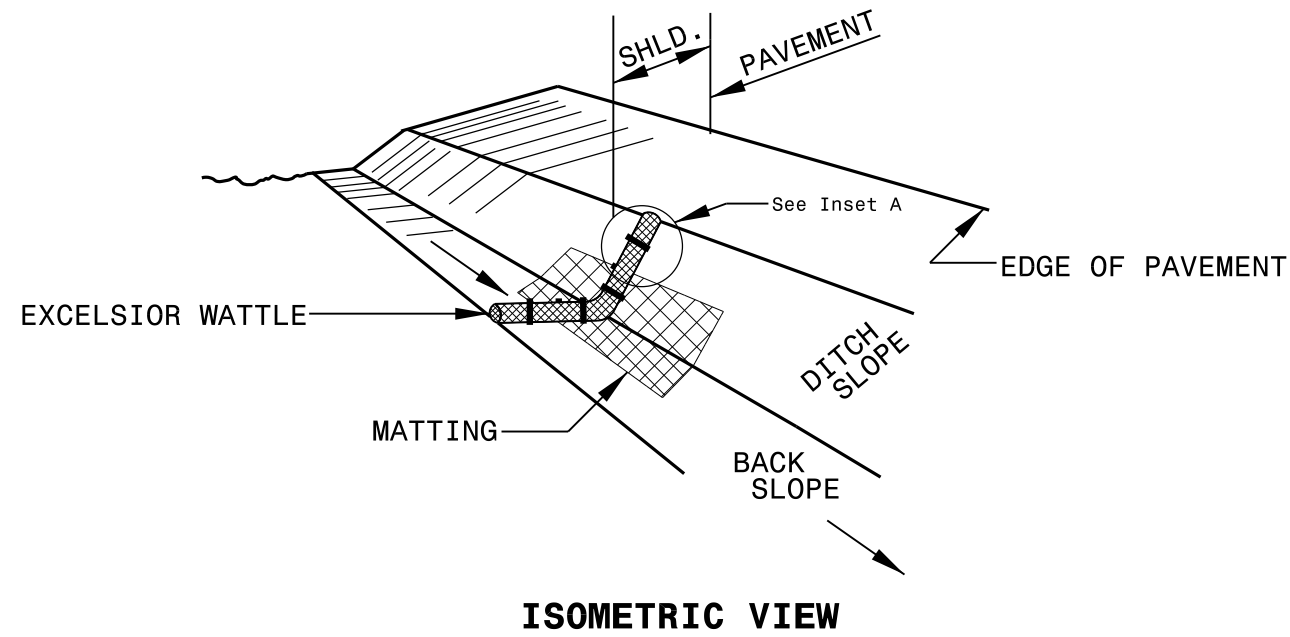
NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

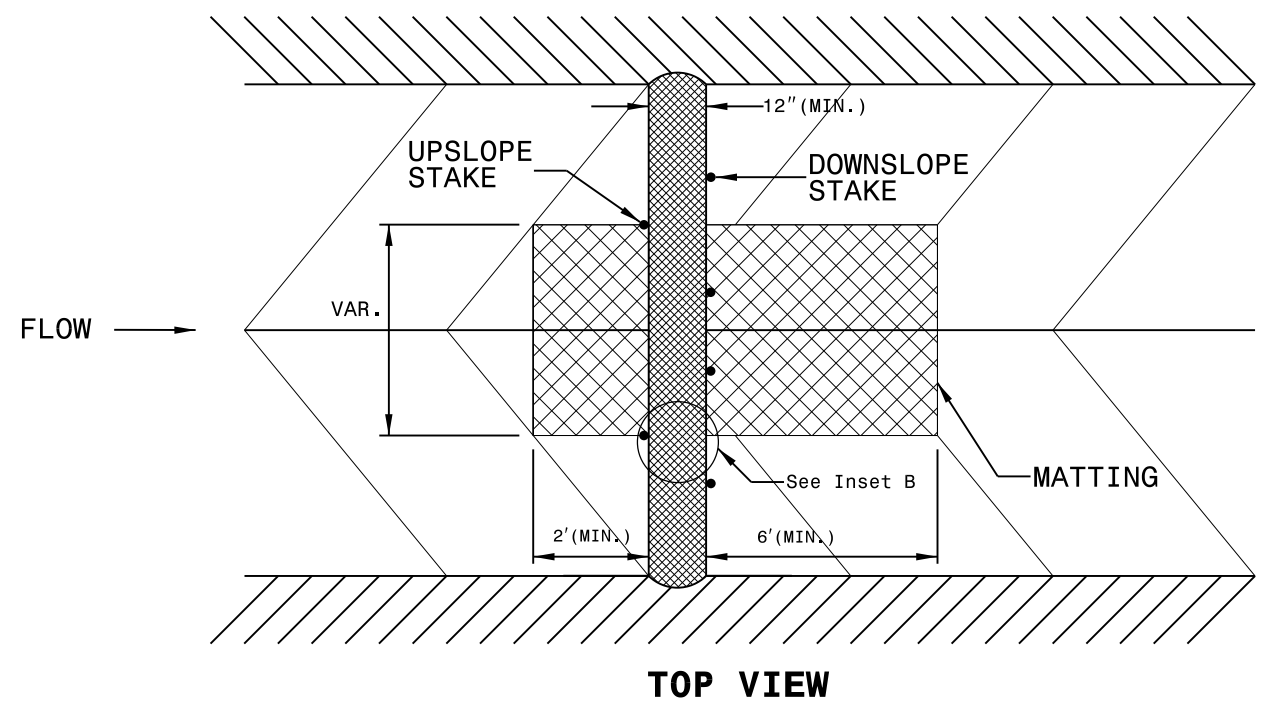
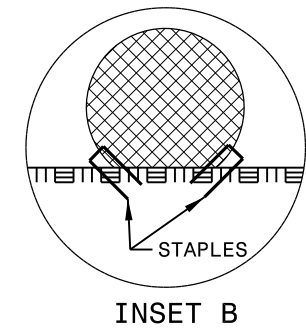
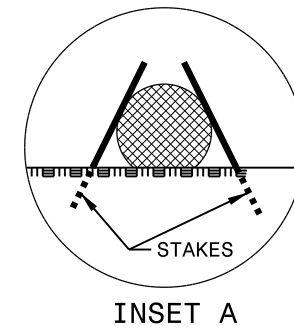
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

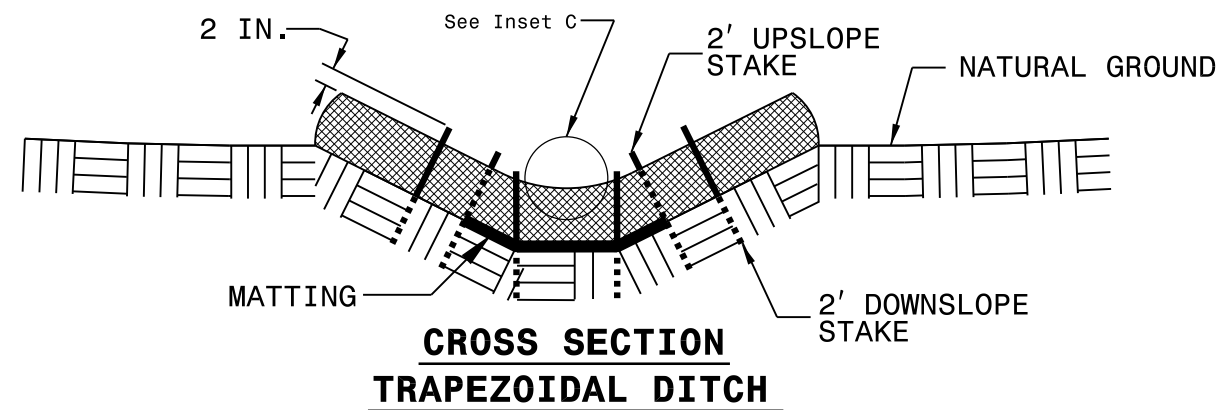
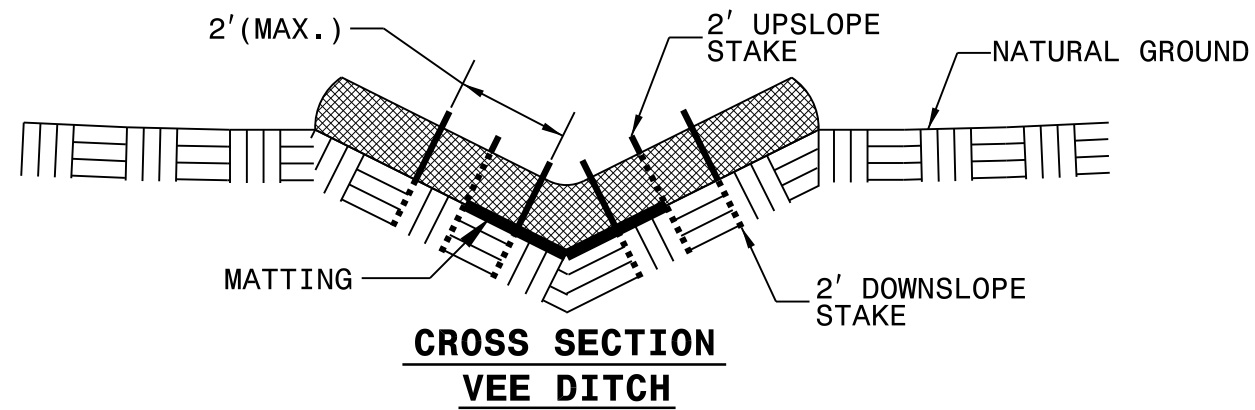
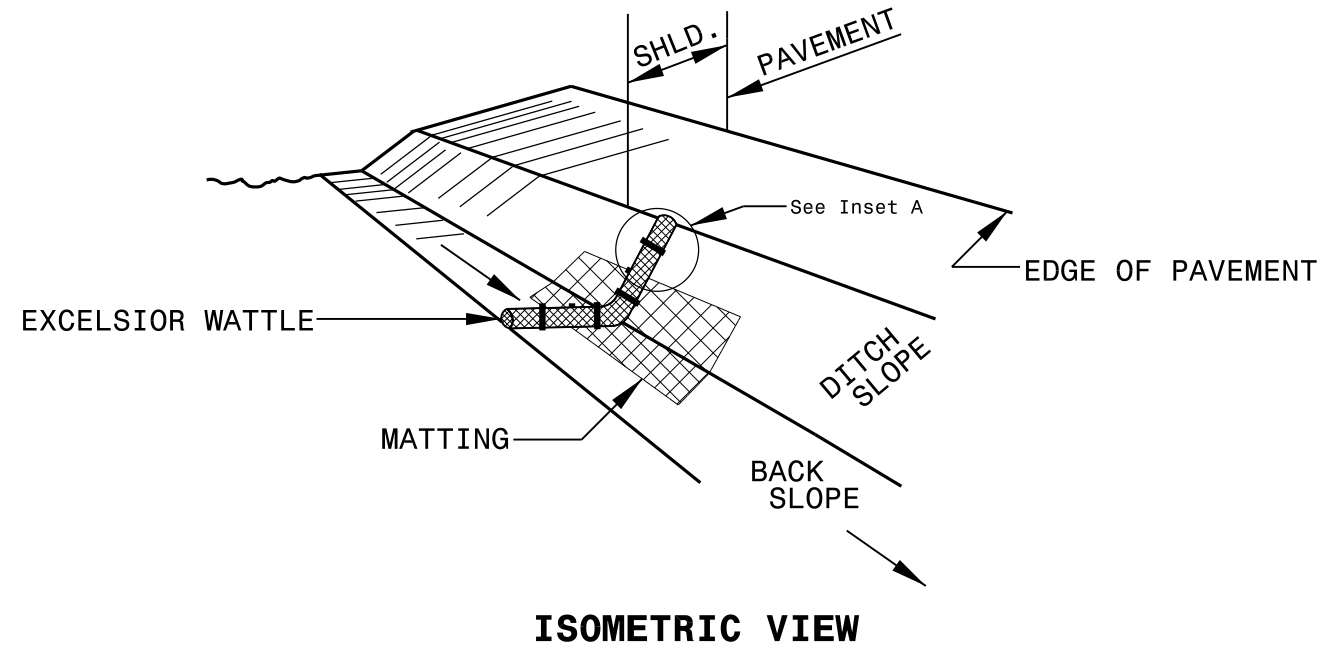
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

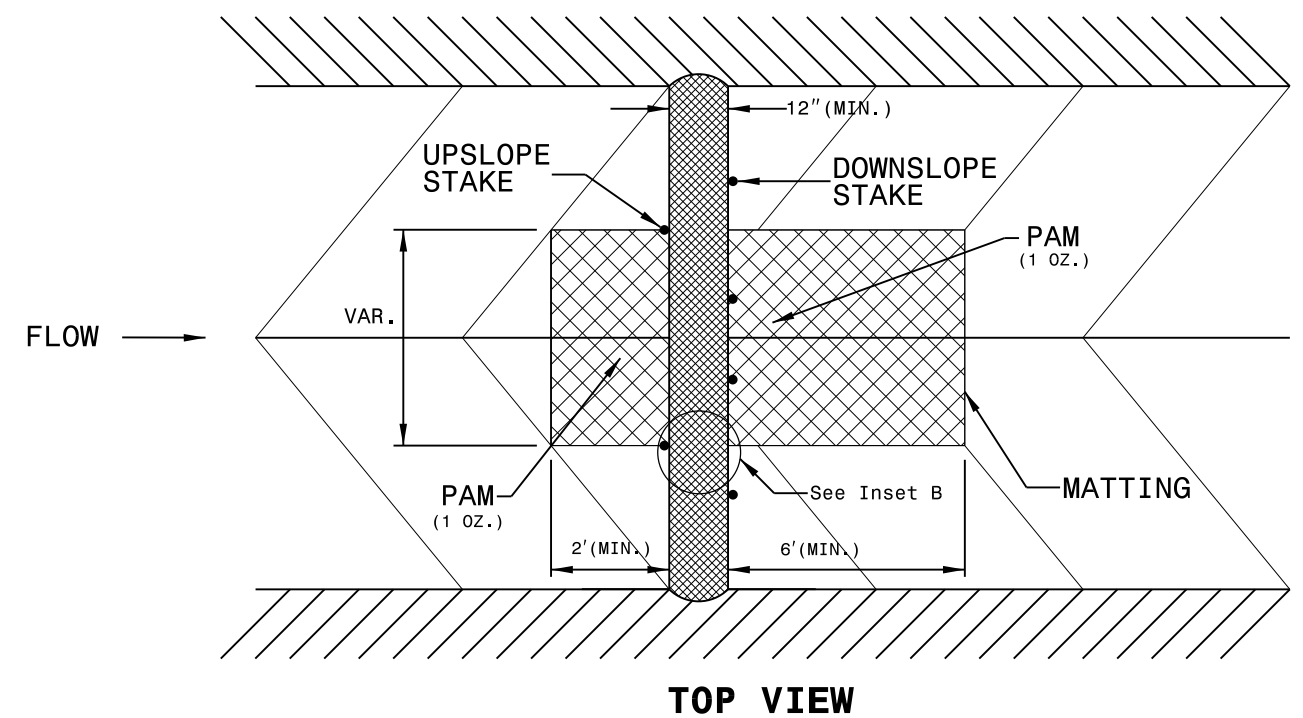
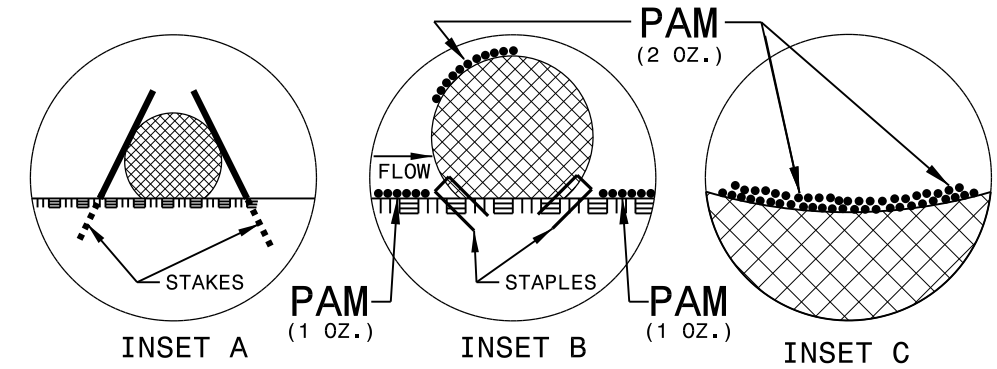
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



PROJECT NO.	SHEET NO.
3CR.10651.174, Etc.	13

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	INC. STONE BASE TONS	1 1/2" MILLING SY	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, S4.75A TON	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT (MILL) TON	PATCHING EXISTING PAVEMENT (FULL DEPTH) TON	PATCHING EXISTING PAVEMENT I19.0B (MILL) TON	ASPHALT SURFACE TREATMENT, MAT COAT, #6M STONE SY	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	ADJ. OF MON EA	GR ANCHOR UNITS, TYPE 350 EA	REMOVE & REPLACE EXISTING GR LF	TEMP. SILT FENCE LF	SAFETY FENCE LF	MATting FOR EROSION CONTROL SY	WATTLE LF	POLYACRYLAMIDE (PAM) LB	
3CR.10651.174	New Hanover	1	US 421 (FORT FISHER BLVD S)	END OF SYSTEM TO E. AVE., MP 0.00 TO MP 3.07	1	2	2WU	NO	NO	3.07	30	6	55,269	5,121			307	100				1	2									
TOTAL FOR MAP NO. 1										3.07		6	55,269	5,121			307	100				1	2									
TOTAL FOR PROJ NO. 3CR.10651.174										3.07		6	55,269	5,121			307	100				1	2									
3CR.20651.174	New Hanover	2	SR 1402 (PORTERS NECK RD/ EDGEWATER CLUB RD)	FROM US 17 BUS. TO SR 1491 (PORTERS NECK RD.) MP 0.14 TO MP 1.03	2 & 3	2	2WU	NO	NO	0.89	24	31	18,633	1,688	200		114		75	240	18,267	4	6		4	50	200	200	24	40	18	
TOTAL FOR MAP NO. 2										0.89		31	18,633	1,688	200		114		75	240	18,267	4	6		4	50	200	200	24	40	18	
3CR.20651.174	New Hanover	3	SR 1491 (PORTERS NECK RD)	FROM 1402 (PORTERS NECK RD/EDGEWATER CLUB RD.) ROUNDABOUT TO SR 1401 (BALD EAGLE LN.) MP 4.33 - MP 2.92	3 & 4	2	2WU	NO	NO	1.41	24		22,128	2,014			121		50	150	19,844		2						18	30		
TOTAL FOR MAP NO. 3										1.41			22,128	2,014			121		50	150	19,844		2					18	30			
TOTAL FOR PROJ NO. 3CR.20651.174										2.3		31	40,761	3,702	200		235		125	390	38,111	4	8		4	50	200	200	42	70	18	
3SP.20655.003	New Hanover	4	SR 1565 (JASMINE COVE WAY)	FROM END OF MAINTENANCE TO NC 132 (COLLEGE RD.) MP 0.00 - MP 0.36	5 & 6	2	2WU	NO	NO	0.38	30	4				267	19					13	4	10								
TOTAL FOR MAP NO. 4										0.38		4				267	19					13	4	10								
3SP.20655.003	New Hanover	5	SR 2578 (WOOD RIDGE RD)	FROM 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE RD.) MP 0.00 - MP 0.13	5 & 6	2	2WU	NO	NO	0.13	24					68	5					2		2								
TOTAL FOR MAP NO. 5										0.13						68	5					2		2								
3SP.20655.003	New Hanover	6	SR 2589 (TURTLE DOVE CT)	FROM SR 1565 (JASMINE COVE WAY) TO DEAD END	5	2	2WU	NO	NO	0.06	18					34	2					3		2								
TOTAL FOR MAP NO. 6										0.06						34	2					3		2								
3SP.20655.003	New Hanover	7	SR 2590 (SONG SPARROW CT)	FROM SR 1565 (JASMINE COVE WAY) TO DEAD END	5	2	2WU	NO	NO	0.04	18					25	2					2		1								
TOTAL FOR MAP NO. 7										0.04						25	2					2		1								
3SP.20655.003	New Hanover	8	SR 2591 (WHITE IBIS CT)	FROM SR 1565 (JASMINE COVE WAY) TO DEAD END	5	2	2WU	NO	NO	0.03	18					20	1															
TOTAL FOR MAP NO. 8										0.03						20	1															
TOTAL FOR PROJ NO. 3SP.20655.003										0.64		4				414	29					20	4	15								
GRAND TOTAL										6.01		41	96,030	8,823	200		414	571	100	125	390	38,111	25	14	15	4	50	200	200	42	70	18

PROJECT NO.	SHEET NO.
3CR.10651.174, Etc.	14

THERMOPLASTIC AND PAINT QUANTITIES

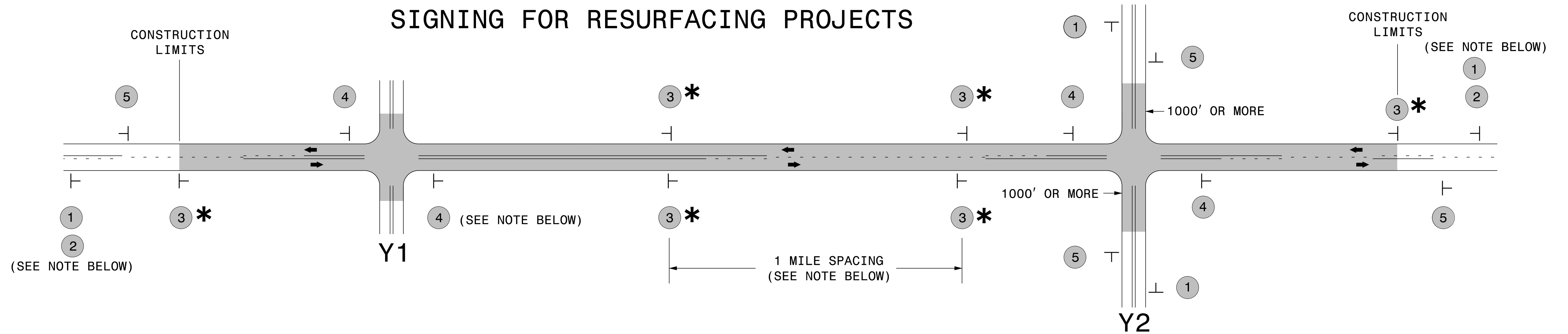
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	441300000-E	445700000-N	451000000-N	468500000-E		468600000-E		470000000-E	470200000-E	471000000-E	472500000-E					
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" X 120 M WHITE THERMO	4" X 120 M YELLOW THERMO	12" X 90 M YELLOW THERMO	12" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO BIKE 90 MIL	THERMO STR ARROW 90 M	THERMO RT ARROW 90 M	THERMO BIKE STR ARROW 90 MIL	THERMO LT ARROW 90 M	24" YIELD LINE TRIANGLE 90 M
NO		NO			NO					SF	LS	HR	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA
3CR.10651.174	New Hanover	1	US 421 (FORT FISHER BLVD S)	END OF SYSTEM TO E. AVE., MP 0.00 TO MP 3.07	1	2	2WU	3.07	30	352	0.49		31,600		310	28,769		300	250	13	2	2	13		
TOTAL FOR MAP NO. 1										352	0.49		31,600		310	28,769		300	250	13	2	2	13		
TOTAL FOR PROJ NO. 3CR.10651.174										352	0.49		31,600		310	28,769		300	250	13	2	2	13		
												31,600		29,079						30					
3CR.20651.174	New Hanover	2	SR 1402 (PORTERS NECK RD/ EDGEWATER CLUB RD)	FROM US 17 BUS. TO SR 1491 (PORTERS NECK RD.) MP 0.14 TO MP 1.03	2 & 3	2	2WU	0.89	24	112	0.15	40	9,875		710	8,570	15		28		3	7		4	
TOTAL FOR MAP NO. 2										112	0.15	40	9,875		710	8,570	15		28		3	7		4	
3CR.20651.174	New Hanover	3	SR 1491 (PORTERS NECK RD)	FROM 1402 (PORTERS NECK RD/EDGEWATER CLUB RD.) ROUNDABOUT TO SR 1401 (BALD EAGLE LN.) MP 4.33 - MP 2.92	3 & 4	2	2WU	1.41	24	176	0.24		15,210	204	424	10,870					6	2			16
TOTAL FOR MAP NO. 3										176	0.24		15,210	204	424	10,870				6	2			16	
TOTAL FOR PROJ NO. 3CR.20651.174										288	0.39	40	25,085	204	1,134	19,440	15		28		9	9		4	16
												25,289		20,574						38					
3SP.20655.003	New Hanover	4	SR 1565 (JASMINE COVE WAY)	FROM END OF MAINTENANCE TO NC 132 (COLLEGE RD.) MP 0.00 - MP 0.36	5 & 6	2	2WU	0.38	30	48	0.06														
TOTAL FOR MAP NO. 4										48	0.06														
3SP.20655.003	New Hanover	5	SR 2578 (WOOD RIDGE RD)	FROM 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE RD.) MP 0.00 - MP 0.13	5 & 6	2	2WU	0.13	24	16	0.02														
TOTAL FOR MAP NO. 5										16	0.02														
3SP.20655.003	New Hanover	6	SR 2589 (TURTLE DOVE CT)	FROM SR 1565 (JASMINE COVE WAY) TO DEAD END	5	2	2WU	0.06	18	16	0.02														
TOTAL FOR MAP NO. 6										16	0.02														
3SP.20655.003	New Hanover	7	SR 2590 (SONG SPARROW CT)	FROM SR 1565 (JASMINE COVE WAY) TO DEAD END	5	2	2WU	0.04	18	16	0.01														
TOTAL FOR MAP NO. 7										16	0.01														
3SP.20655.003	New Hanover	8	SR 2591 (WHITE IBIS CT)	FROM SR 1565 (JASMINE COVE WAY) TO DEAD END	5	2	2WU	0.03	18	16	0.01														
TOTAL FOR MAP NO. 8										16	0														
TOTAL FOR PROJ NO. 3SP.20655.003										112	0														
GRAND TOTAL										6.01		40	56,685	204	1,444	48,209	15	300	278	13	11	11	13	4	16
												56,889		49,653						68					

PROJECT NO.	SHEET NO.
3CR.10651.174, Etc.	15

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	4900000000-N		4905000000-N			
							YELLOW & YELLOW MARKERS EA	CRYSTAL & RED MARKERS EA	SNOW PLOWABLE MARKERS (Y/Y) EA	SNOW PLOWABLE MARKERS (C/R) EA		
3CR.10651.174	New Hanover	1	US 421 (FORT FISHER BLVD S)	END OF SYSTEM TO E. AVE., MP 0.00 TO MP 3.07	1	2			200	18		
TOTAL FOR MAP NO. 1									200	18		
TOTAL FOR PROJ NO. 3CR.10651.174									200	18		
									218			
3CR.20651.174	New Hanover	2	SR 1402 (PORTERS NECK RD/ EDGEWATER CLUB RD)	FROM US 17 BUS. TO SR 1491 (PORTERS NECK RD.) MP 0.14 TO MP 1.03	2 & 3	2	92	18				
TOTAL FOR MAP NO. 2								92	18			
3CR.20651.174	New Hanover	3	SR 1491 (PORTERS NECK RD)	FROM 1402 (PORTERS NECK RD/EDGEWATER CLUB RD.) ROUNDAABOUT TO SR 1401 (BALD EAGLE LN.) MP 4.33 - MP 2.92	3 & 4	2	147	11				
TOTAL FOR MAP NO. 3								147	11			
TOTAL FOR PROJ NO. 3CR.20651.174								239	29			
								268				
3SP.20655.003	New Hanover	4	SR 1565 (JASMINE COVE WAY)	FROM END OF MAINTENANCE TO NC 132 (COLLEGE RD.) MP 0.00 - MP 0.36	5 & 6	2						
TOTAL FOR MAP NO. 4												
3SP.20655.003	New Hanover	5	SR 2578 (WOOD RIDGE RD)	FROM 1704 (HIDDEN VALLEY RD.) TO SR 2573 (WOODS EDGE RD.) MP 0.00 - MP 0.13	5 & 6	2						
TOTAL FOR MAP NO. 5												
3SP.20655.003	New Hanover	6	SR 2589 (TURTLE DOVE CT)	FROM SR 1565 (JASMINE COVE WAY) TO DEAD END	5	2						
TOTAL FOR MAP NO. 6												
3SP.20655.003	New Hanover	7	SR 2590 (SONG SPARROW CT)	FROM SR 1565 (JASMINE COVE WAY) TO DEAD END	5	2						
TOTAL FOR MAP NO. 7												
3SP.20655.003	New Hanover	8	SR 2591 (WHITE IBIS CT)	FROM SR 1565 (JASMINE COVE WAY) TO DEAD END	5	2						
TOTAL FOR MAP NO. 8												
TOTAL FOR PROJ NO. 3SP.20655.003												
GRAND TOTAL									239	29	200	18
								268		218		

SIGNING FOR RESURFACING PROJECTS



LEGEND	
	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

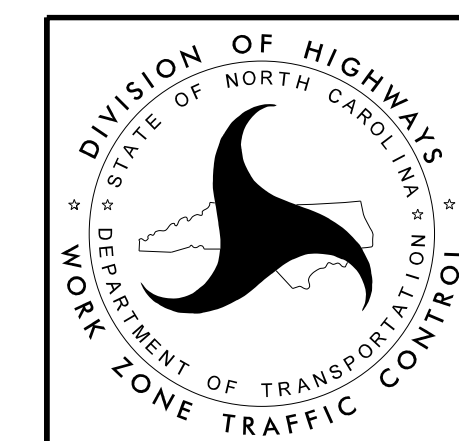
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 <small>W20-1 48" X 48"</small>	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.		
	2	 <small>W7-3aP 24" X 18"</small>	#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)		
	3 *	 <small>SP 13107 48" X 48"</small>	PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.		
	4	 <small>SP 13106 48" X 48"</small>	THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.		
5	 <small>G20-2 A 48" X 24"</small>	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.	NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS: <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>		

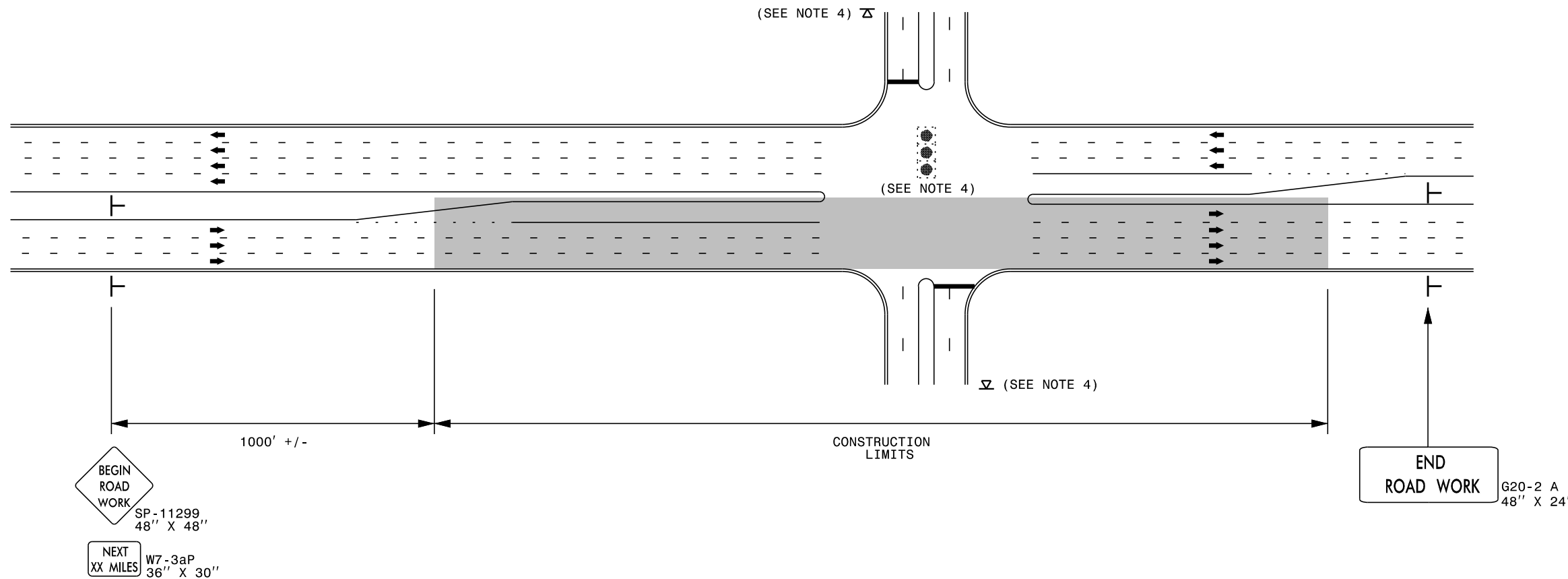
* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS:
 STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).



**RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS**

URBAN / SUBURBAN WORKZONES

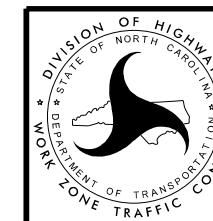


NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**