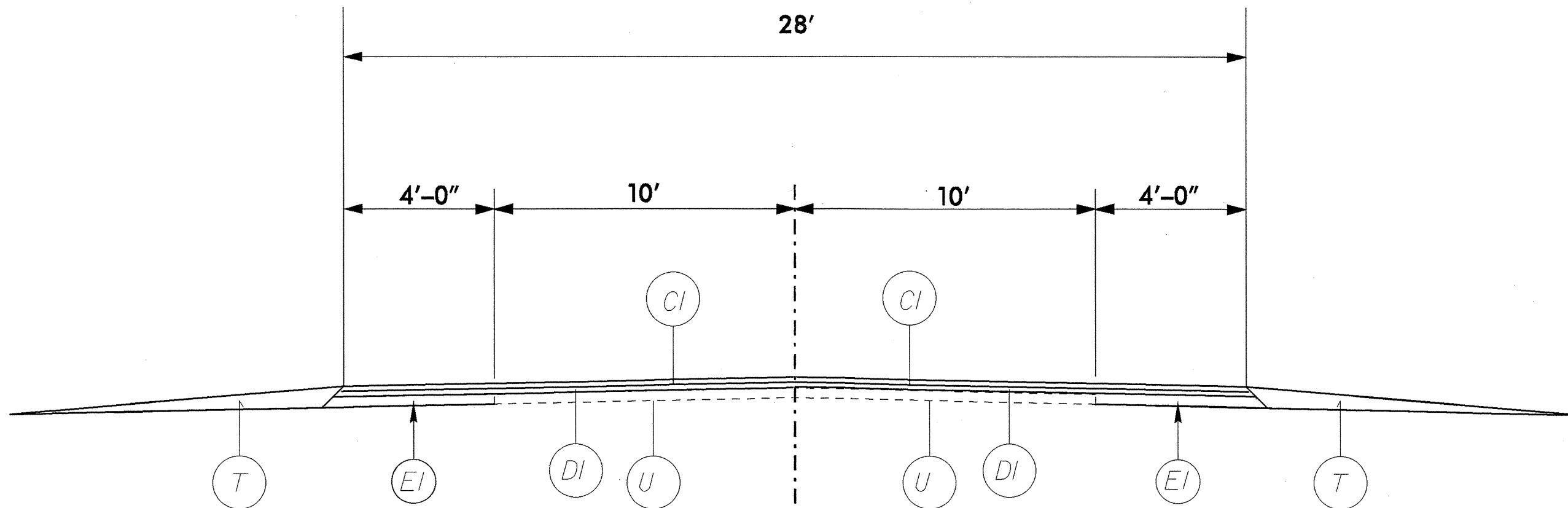


10/26/98

PAVEMENT SCHEDULE	
C1	PROP APPROX, 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE, S9.5B, AT AN AVERAGE RATE OF 168 LBS PER SQ YD
D1	PROP APPROX, 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0B AT AN AVERAGE RATE OF 285 LBS PER SQ YD
E1	PROP APPROX, 4" ASPHALT CONCRETE BASE COURSE TYPE B25.0B AT AN AVERAGE RATE OF 456 LBS PER SQ YD
U	EXISTING PAVEMENT
T	SHOULDER RECONSTRUCTION BY STATE FORCES

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

NC 41 Jones County Widen & Resurface



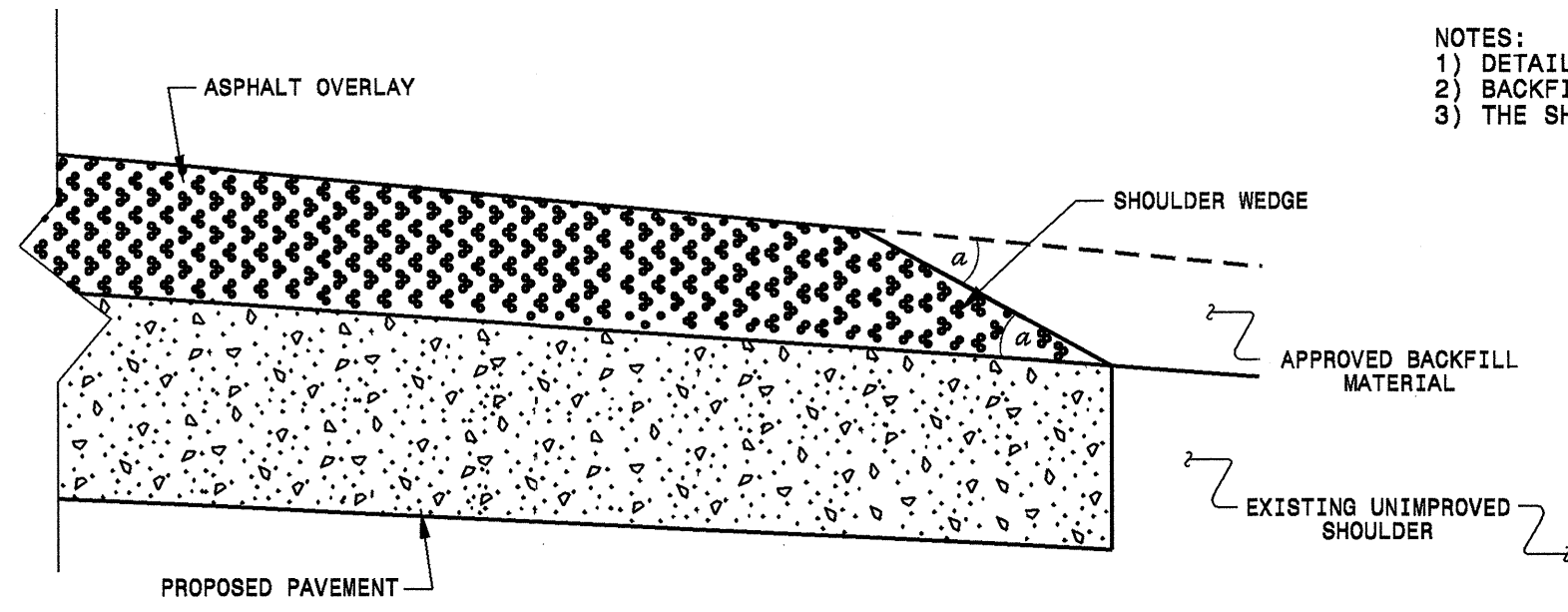
TYPICAL SECTION # 1

USE MAP 1

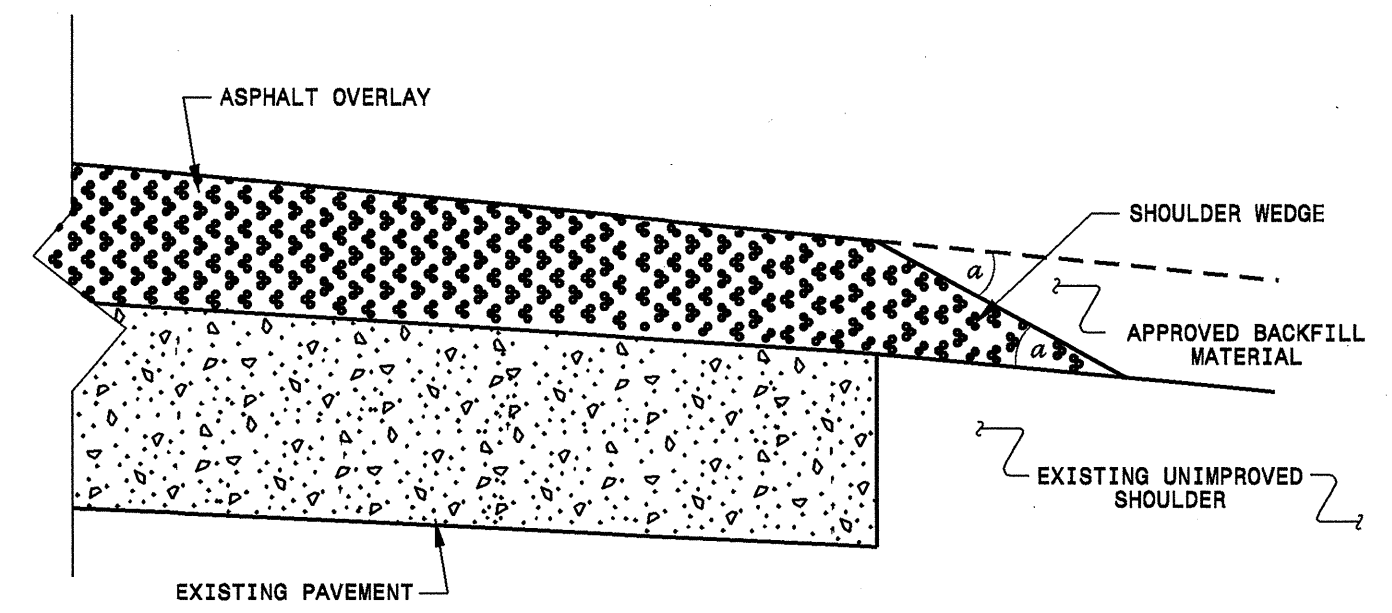
SHOULDER RECONSTRUCTION TO BE COMPLETED BY STATE FORCES.

25-JUN-2018 10:28
Projects\Division 2\Jones\NC41 RLR to DCL typ.dgn

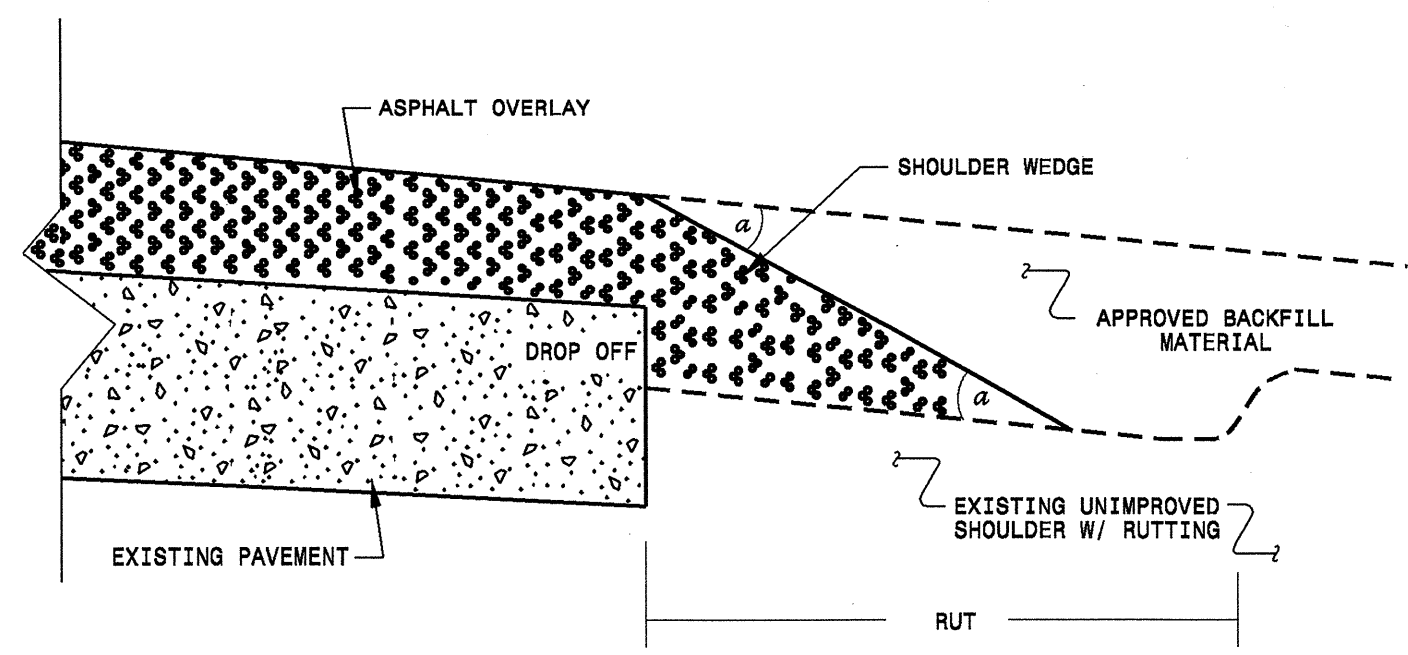
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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°

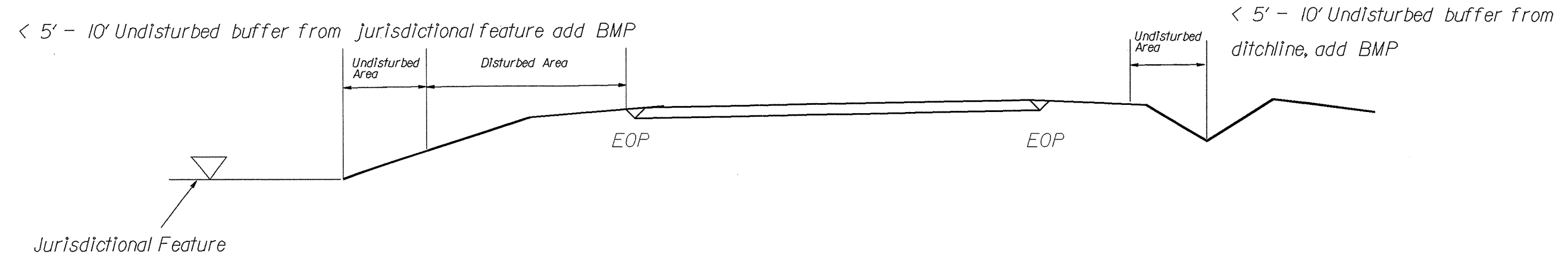
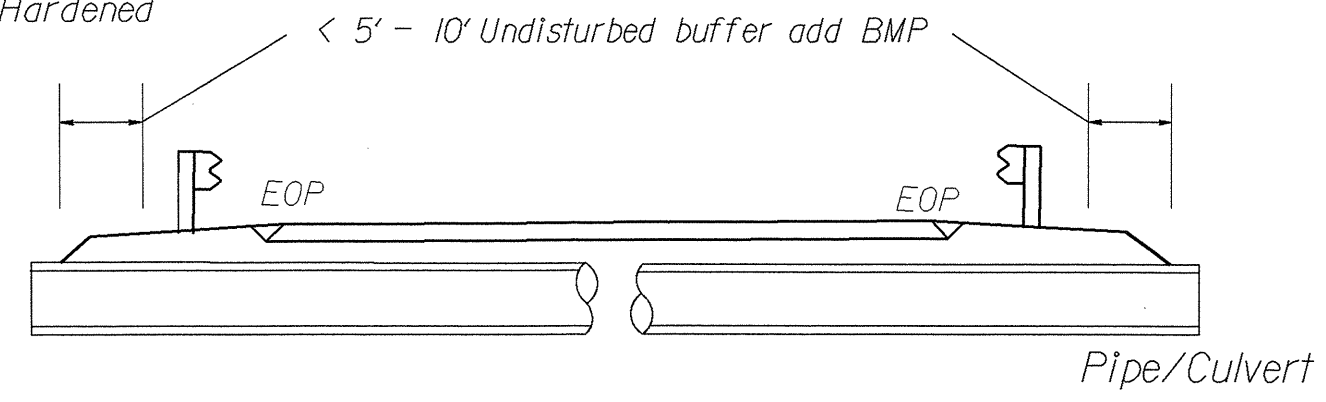
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T. SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 10/18/12
CHECKED BY:	DATE:
FILE SPEC: a:\user\details\stand\shoulderwedgedetail.dgn	

01-JUL-2013 12:07
 C:\Users\TSpell\Documents\Revised Shoulder Wedge Detail.dgn
 \$\$\$USERNAME\$\$\$

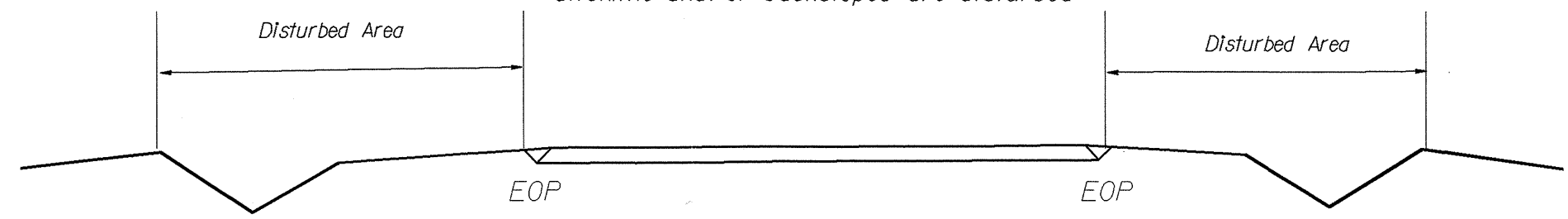
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

EROSION CONTROL DETAIL

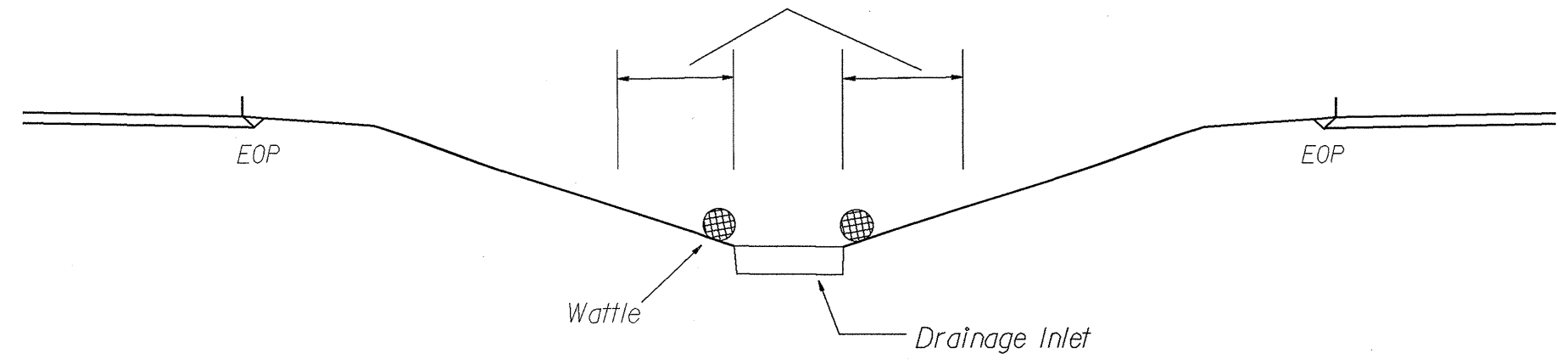
BMP Options: Wattle, Silt Fence or Hardened Aggregate.



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

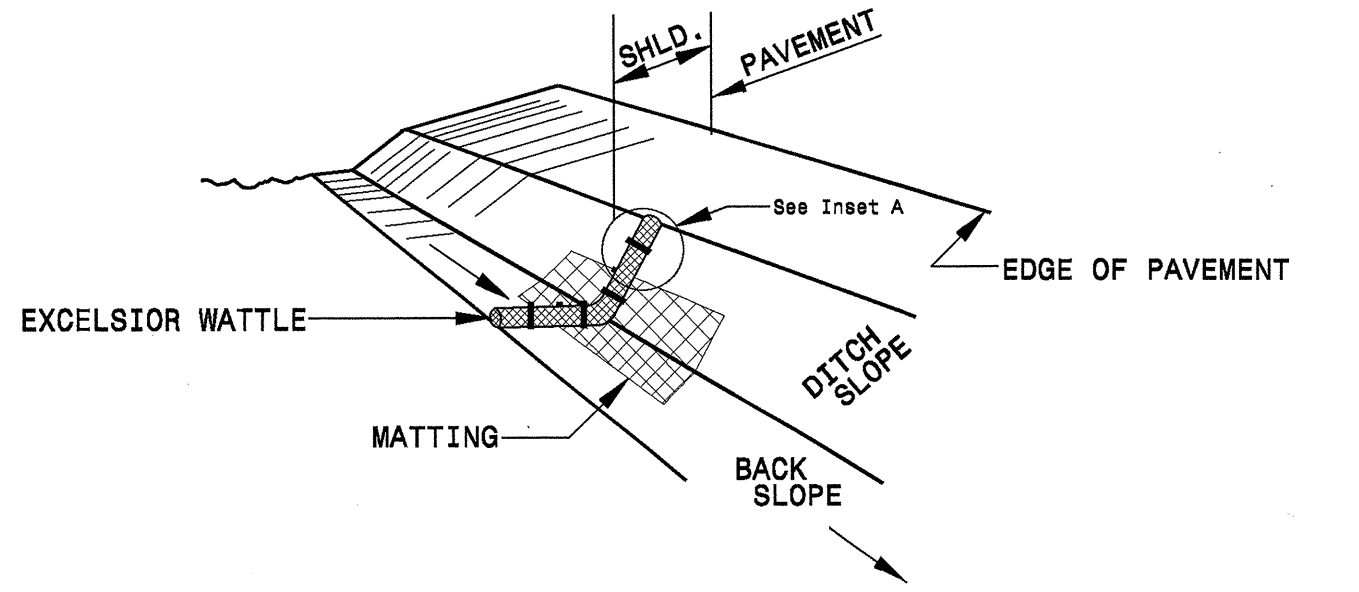


< 5' - 10' Undisturbed buffer from inlet, add wattle

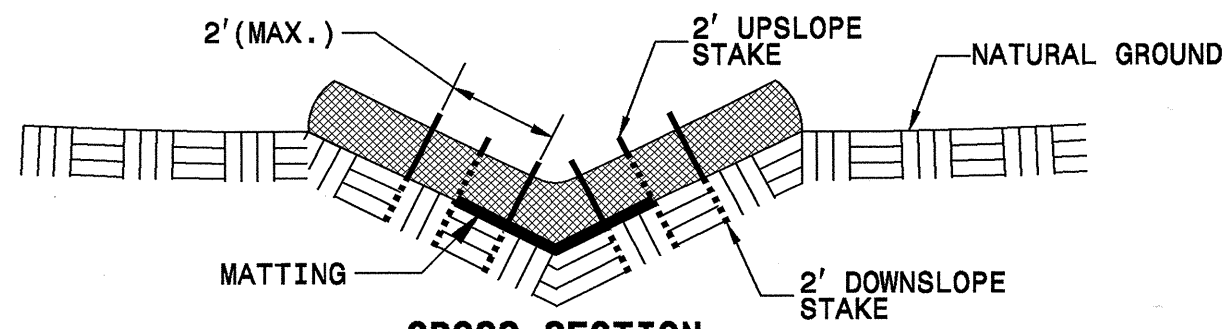


NOT TO SCALE

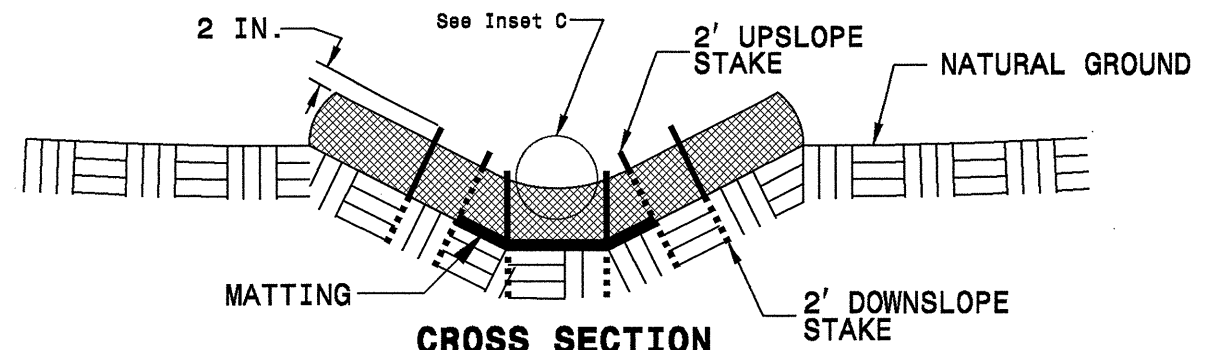
WATTLE WITH POLYACRYLAMIDE DETAIL



ISOMETRIC VIEW



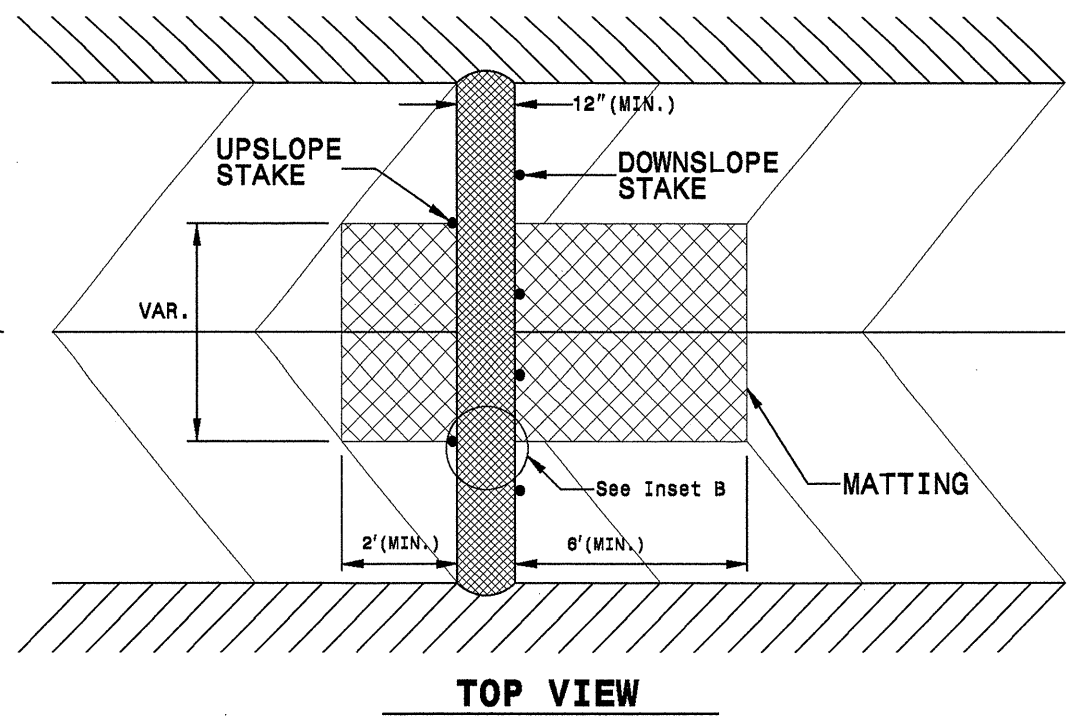
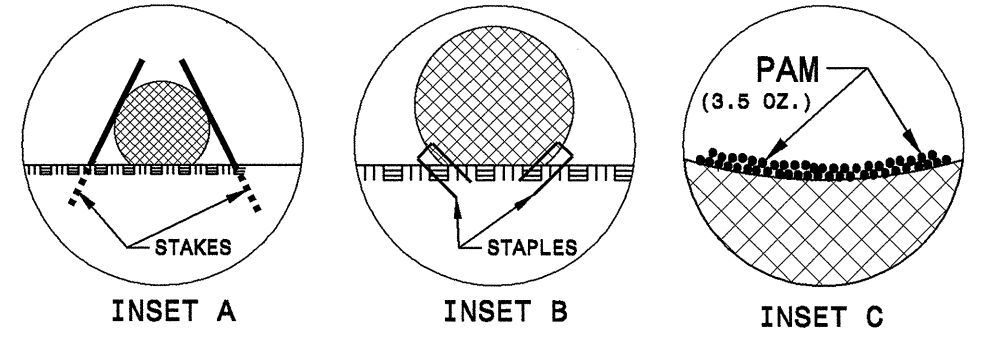
**CROSS SECTION
VEE DITCH**



**CROSS SECTION
TRAPEZOIDAL DITCH**

NOTES:

- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.
- 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 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



TOP VIEW

PROJECT NO.	SHEET NO.	TOTAL NO.
2CR.10521.6	6	6

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BASE COURSE, B25.0B TONS	INTERMEDIATE COURSE, I19.0B TONS	SURFACE COURSE, S9.5B TONS	ASPHALT BINDER FOR PLANT MIX TONS	6" DRIVEWAYS SY	TEMPORARY SILT FENCE LF	WATTLES LF	POLYACRYLAMIDE (PAM) LB
NC41	Jones	1	NC 41	WIDEN 8' AND RESURFACE FROM RICHLANDS ROAD IN COMFORT TO DUPLIN COUNTY LINE	1	2	2WU	NO	NO	11.791	28	14,063	29,752	17,159	3,076	82	500	300	100
TOTAL FOR MAP NO. 1										11.791		14,063	29,752	17,159	3,076	82	500	300	100
TOTAL FOR PROJ NO. NC41										11.791		14,063	29,752	17,159	3,076	82	500	300	100
GRAND TOTAL										11.791		14,063	29,752	17,159	3,076	82	500	300	100

NOTE: CONTRACTOR TO INSTALL ALL PAINT PAVEMENT MARKING LINES
CONTRACTOR TO INSTALL THERMOPLASTIC CENTER LINE, 24" THERMOPLASTIC LINES
CONTRACTOR TO INSTALL PAINT MESSAGE (SCHOOL)
CONTRACTOR TO INSTALL THERMOPLASTIC MESSAGE (SCHOOL)
CONTRACTOR TO INSTALL EROSION CONTROL DEVICES

NOTE: STATE FORCE TO COMPLETE SHOULDER RECONSTRUCTION
STATE FORCES TO REMOVE EROSION CONTROL DEVICES AND COMPLETE SEEDING & MULCHING
STATE FORCES TO INSTALL THERMOPLASTIC PAVEMENT EDGE LINES AFTER COMPLETION OF SHOULDER RECONSTRUCTION

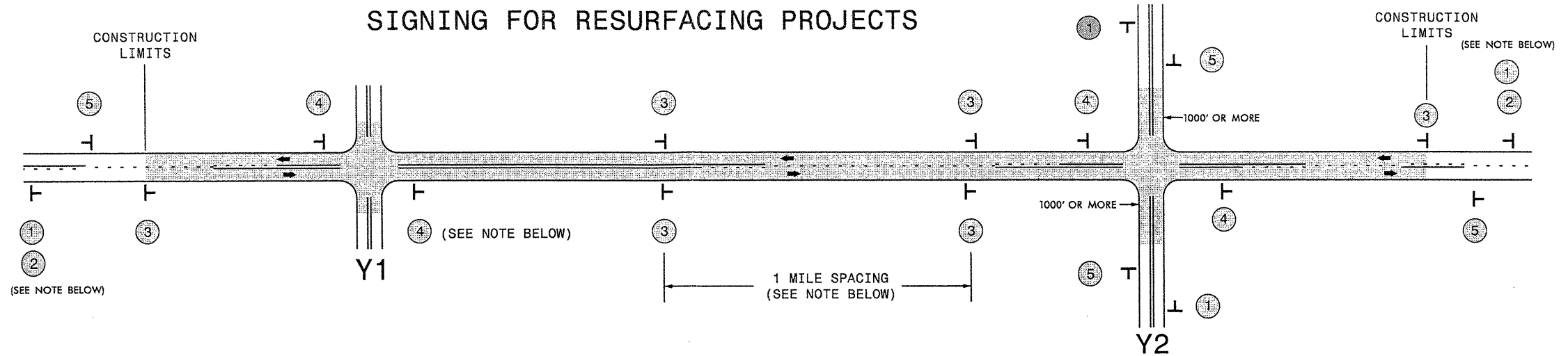
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4589000000-N	4366000000-E	4686000000-E	4710000000-E	4721000000-E	4810000000-E		4835000000-E	4840000000-N	4905000000-N
										TEMP. TRAFFIC CONTROL LS	WORK ZONE ADVANCE/GENERAL WARNING SIGNS SF	4" X 120 M YELLOW THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG SCHOOL 120 M EA	4" WHITE PAINT LF	4" YELLOW PAINT LF	24" WHITE PAINT LF	PAINT MSG SCHOOL EA	SNOW PLOWABLE MARKERS EA
NC41	Jones	1	NC 41	WIDEN 8' AND RESURFACE FROM RICHLANDS ROAD IN COMFORT TO DUPLIN COUNTY LINE	1	2	2WU	11.791	28	1.00	1,320.59	47,008	180	12	124,512	47,008	180	12	692
TOTAL FOR MAP NO. 1								11.791		1	1,320.59	47,008	180	12	124,512	47,008	180	12	692
TOTAL FOR PROJ NO. NC41								11.791		1	1,320.59	47,008	180	12	124,512	47,008	180	12	692
GRAND TOTAL								11.791		1	1,320.59	47,008	180	12	124,512	47,008	180	12	692

NOTE: CONTRACTOR TO INSTALL ALL PAINT PAVEMENT MARKING LINES
CONTRACTOR TO INSTALL THERMOPLASTIC CENTER LINE, 24" THERMOPLASTIC LINES
CONTRACTOR TO INSTALL PAINT MESSAGE (SCHOOL)
CONTRACTOR TO INSTALL THERMOPLASTIC MESSAGE (SCHOOL)
CONTRACTOR TO INSTALL EROSION CONTROL DEVICES

NOTE: STATE FORCE TO COMPLETE SHOULDER RECONSTRUCTION
STATE FORCES TO REMOVE EROSION CONTROL DEVICES AND COMPLETE SEEDING & MULCHING
STATE FORCES TO INSTALL THERMOPLASTIC PAVEMENT EDGE LINES AFTER COMPLETION OF SHOULDER RECONSTRUCTION

SIGNING FOR RESURFACING PROJECTS



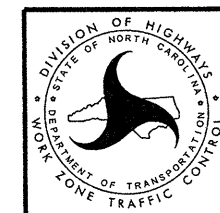
LEGEND	
T	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION		
1 2	 W20-1 48" X 48" W7-3aP 24" X 18"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. #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	 SP 13107 48" X 48"	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	 SP 13106 48" X 48"	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	 G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.
		NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS: 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS 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. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> W20-1 48" X 48" </div> <div style="text-align: center;"> W20-7 A 48" X 48" </div> </div> PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

25 JUN 2013 14:30
 C:\DOT\GIS\GROUPS-WZT\CC\TMU\WZTC\Resurfacing\2013Eastern\2013_01v02\C203421-2CR\05216 Jones_NC_41_mi_sb\Documents out\Resurfacing_AdvWarn_2Ln.dgn
 SD\benning AT TE265818



RESURFACING
 ADVANCE WARNING SIGNS
 FOR
 RURAL AND SUBURBAN
 2 LANE ROADWAYS