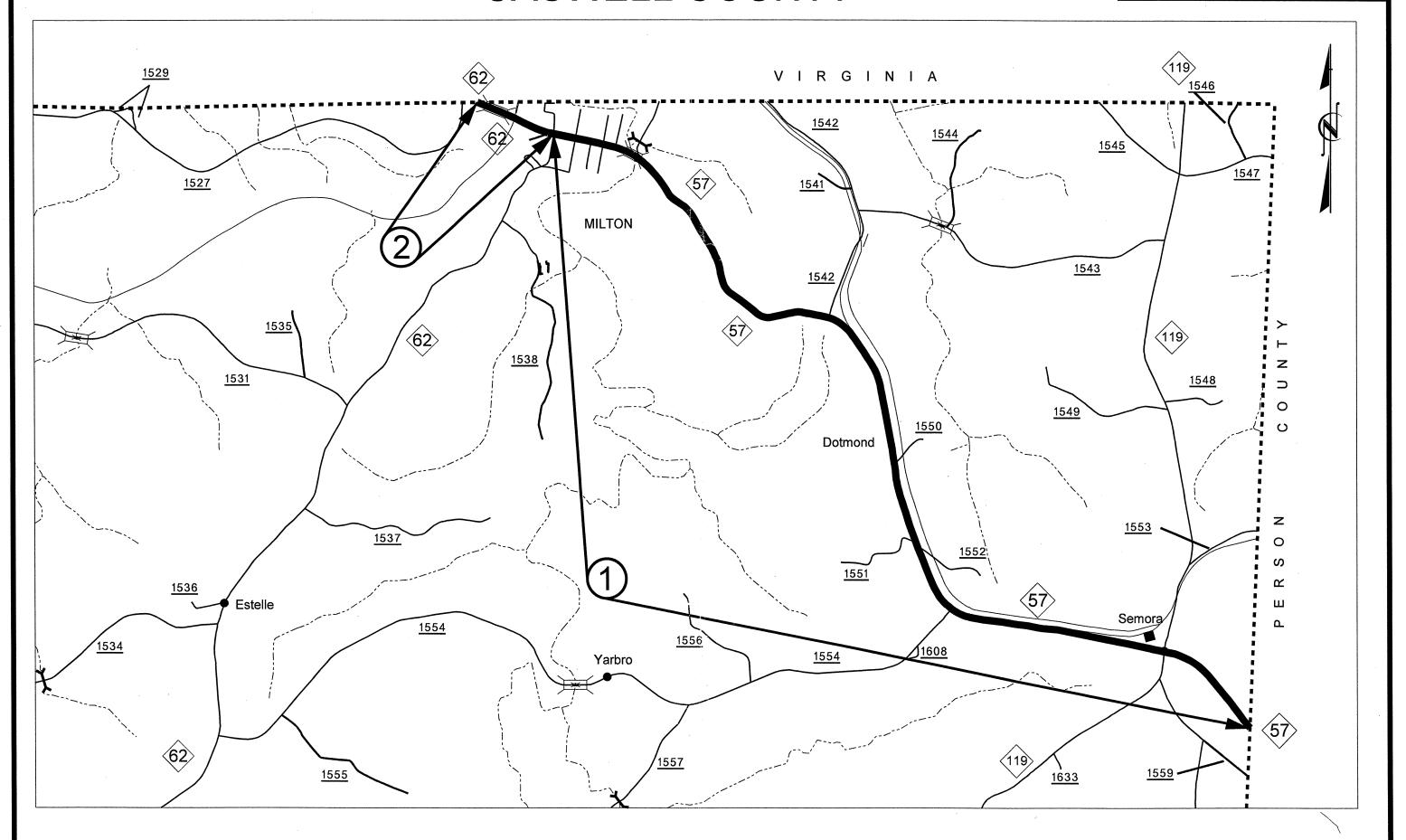
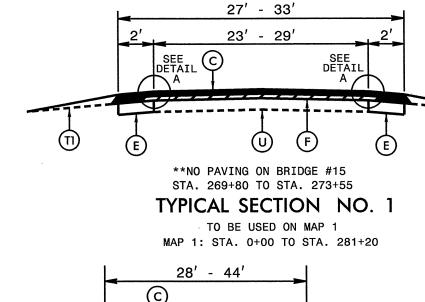
CASWELL COUNTY

STATE PROJECT NO. SHEET NO. SHEETS

N.C. 7CR.10171.29 1

F.A. PROJ. NO.





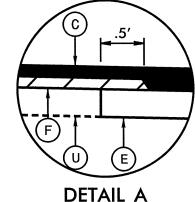
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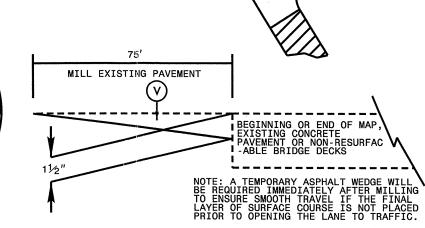
MAP 2: STA. 11+50 TO STA. 21+10 TYPICAL SECTION NO. 2

TO BE USED ON MAPS 1 AND 2

MAP 1: STA. 281+20 TO STA. 284+55

**NO PAVING ON BRIDGE #63 ON





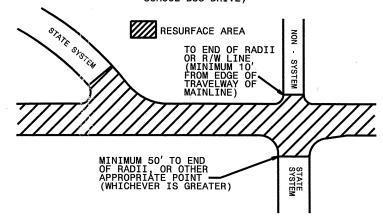
PAVING DETAIL 1
MAIN LINE IS NOT BEING RESURFACED

RESURFACE AREA

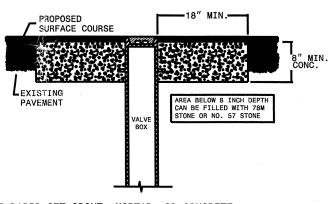
MAPS ENDING IN A TEE INTERSECTION

PAVING DETAIL 2 MAIN LINE IS BEING RESURFACED

NOTE: NON-SYSTEM (CITY STREET, PRIVATE DRIVE, SCHOOL BUS DRIVE)

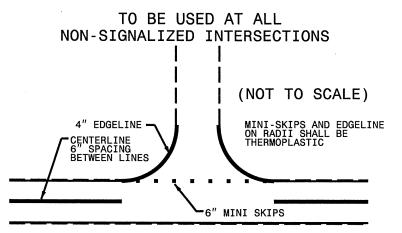


STANDARD CONCRETE ENCASEMENT FOR MANHOLE & VALVE CASTINGS IN PAVEMENT DETAIL DRAWING NO. 858.01



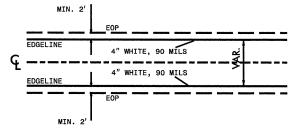
USE RAPID SET GROUT, MORTAR, OR CONCRETE CLASS B CONCRETE MAY BE USED WHEN ADJUSTMENTS ARE NOT IN THE TRAVEL LANE.

STATE PROJECT NO. NO. N.C. 7CR.10171.29



NOTE: MINI SKIPS SHALL BE PLACED ON A 10' CYCLE, CONTAINING AN 8' AND 2' SKIP, THE WIDTH OF THE SKIP SHALL BE 6".

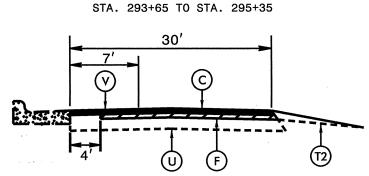
STRIPING DETAIL 1 GENERAL STRIPING DETAIL FOR ENTIRE PROJECT



- 1. TO BE USED IN CONJUNCTION WITH TYPICAL SECTION NO. 1
 2. USE IN CONJUNCTION WITH THE EXISTING PAVEMENT MARKINGS
- TO ESTABLISH THE STRIPING.
- USE IN CONJUNCTION WITH THE NCDOT STANDARD DRAWINGS.

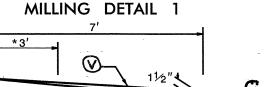
PAVEMENT SCHEDULE

- PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
- PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
- AST MAT COAT #67 STONE
- EXISTING PAVEMENT.
- SHOULDER RECONSTRUCTION, AS DIRECTED BY THE ENGINEER.
- INCIDENTAL STONE BASE IN LOW SHOULDER AREAS AS DIRECTED BY THE ENGINEER.
- 0 11/5" MILLING



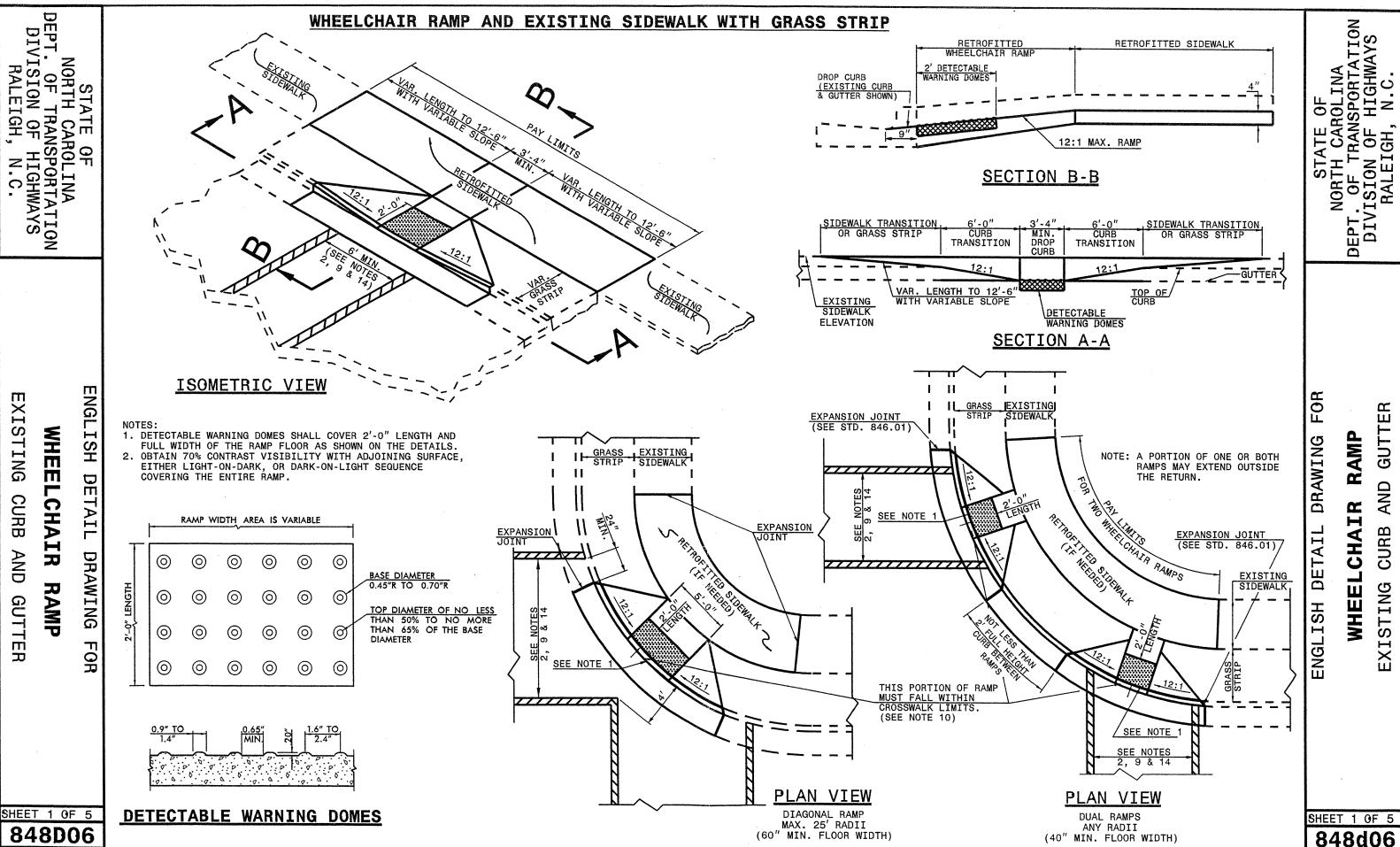
TYPICAL SECTION NO. 3

TO BE USED ON MAP 1 STA. 284+55 TO STA. 293+65



PROFILE MILLING 0 - 11/2" * IF #67 STONE IS INVOLVED, OVERLAP 3'. PROFILE MILL EXISTING ASPHALT PAVEMENT 11/2" AT LOCATIONS AS DIRECTED BY THE

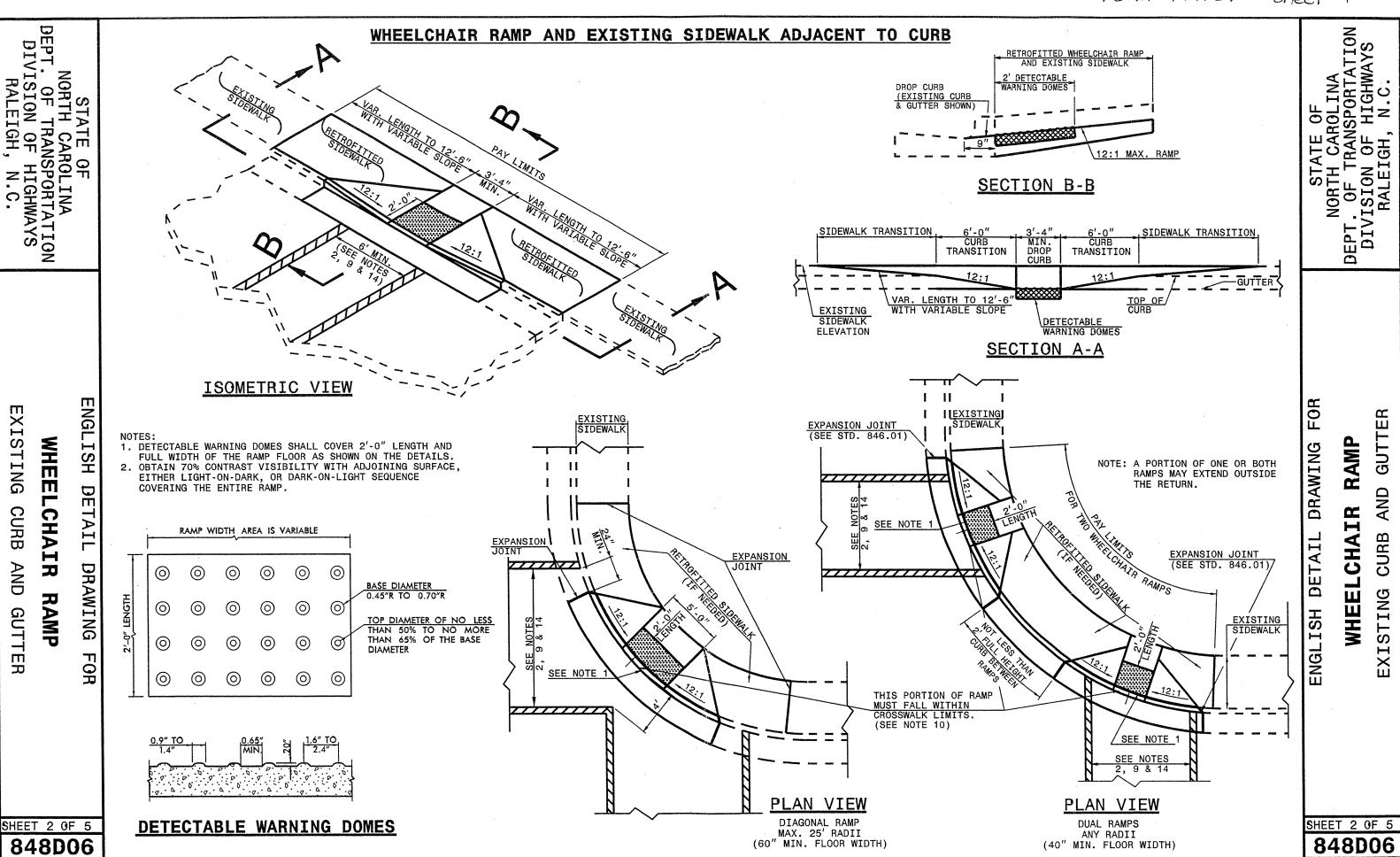
NOTE: TO BE USED IN CONJUCTION WITH: TS. NO. 3 ON MAP 1 STA. 284+75 TO STA. 293+65 LT

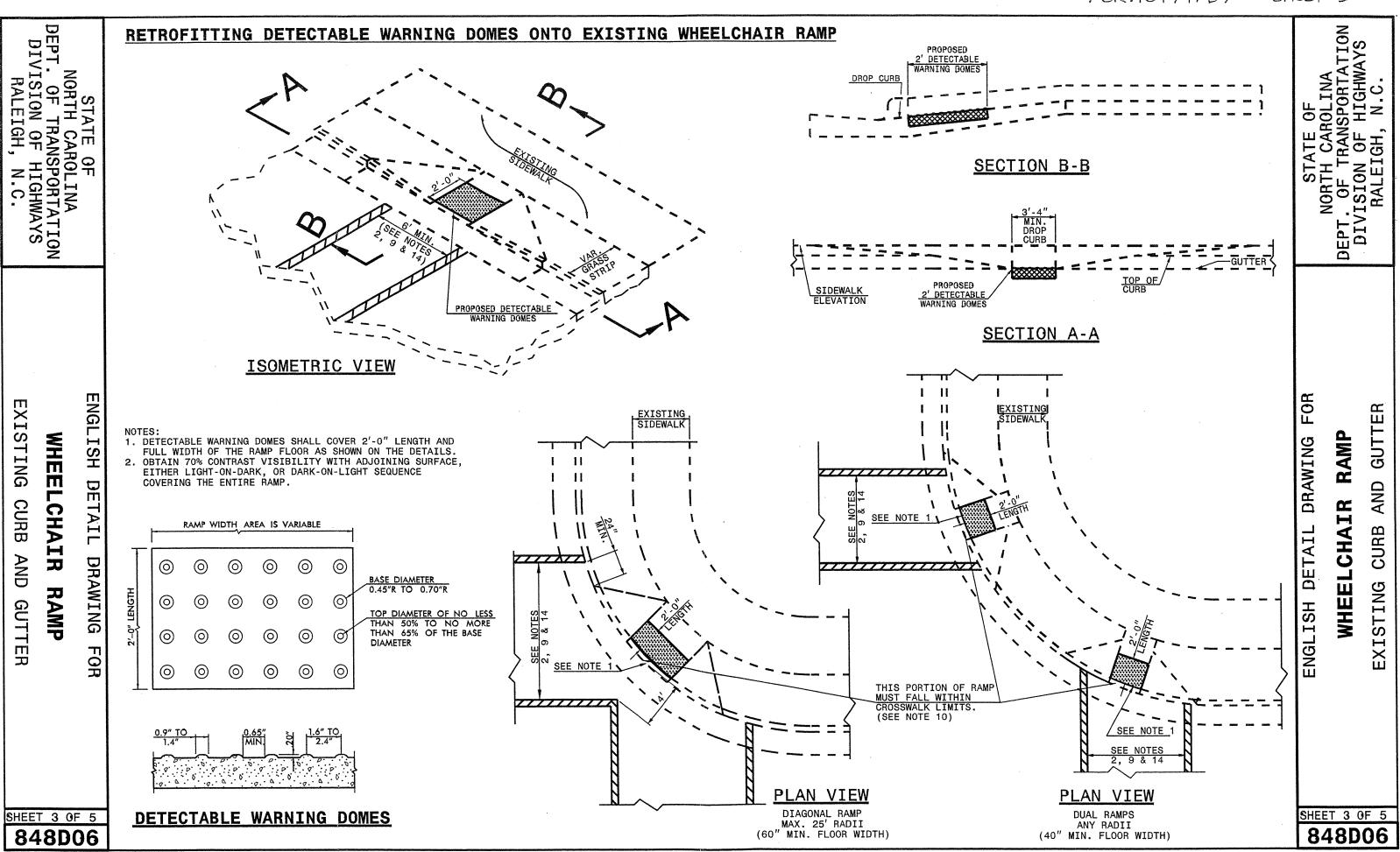


EXISTING CURB AND

WHE Ш .CHA 刀 RAMP GUTTER

SHEET 1 OF 5 848D06





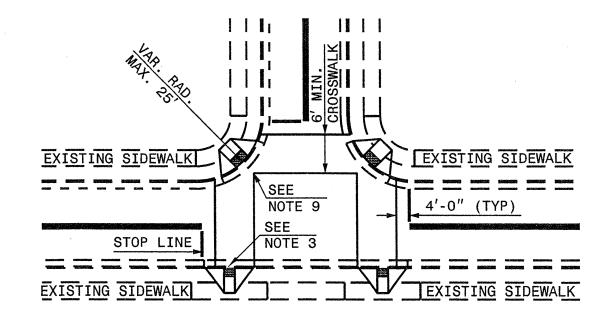
EXISTING

ENGLISH DETAIL

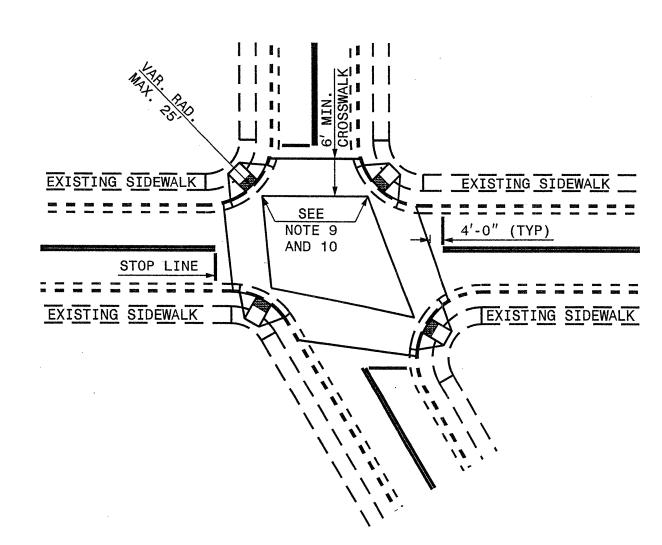
DRAWING

FOR

WHEELCHAIR RAMP AND EXISTING SIDEWALK



DETAIL SHOWING TYPICAL LOCATION OF WHEELCHAIR RAMPS, PEDESTRIAN CROSSWALKS AND STOP LINES FOR TEE INTERSECTIONS



DETAIL SHOWING TYPICAL LOCATION OF WHEELCHAIR PEDESTRIAN CROSSWALKS AND STOP LINES

RESURFACING PROJECTS

PROPOSED WHEELCHAIR RAMP FOR RESURFACING PROJECTS EXISTING SIDEWALK

ALLOWABLE LOCATIONS DIAGONAL RAMP RADII...MAX. 25'

SHEET 4 OF 5 848D06

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

FOR

DRAWING

ENGLISH DETAIL

GUTTER

AND

CURB

EXISTING

RAMP

WHEELCHAIR

WHEE

SHEET 5 OF 5

848D06

ENGLISH

WHEELCHAIR RAMP AND EXISTING SIDEWALK

NOTES:

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

ENGLISH

DETAIL

DRAWING

FOR

XISTING

CURB

AND

GUTTER

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IR

RAMP

- 1. CONSTRUCT THE WALKING SURFACE WITH SLIP RESISTANCE AND A 70% CONTRASTING COLOR TO THE SIDEWALK.
- CROSSWALK WIDTHS AND CONFIGURATION VARY, BUT MUST CONFORM TO TRAFFIC DESIGN STANDARDS.
- NORTH CAROLINA GENERAL STATUTE 136-44.14 REQUIRES THAT ALL STREET CURBS BEING CONSTRUCTED OR RECONSTRUCTED FOR MAINTENANCE PROCEDURES, TRAFFIC OPERATIONS, REPAIRS, CORRECTION OF UTILITIES OR ALTERED FOR ANY REASON AFTER SEPTEMBER 1, 1973 SHALL PROVIDE WHÉELCHAIR RAMPS FOR THE PHYSICÁLLY DISABLED AT ALL INTERSECTIONS WHERE BOTH CURB AND GUTTER AND SIDÉWALKS ARE PROVIDED AND AT OTHER POINTS OF PEDESTRIAN FLOW.

IN ADDITION, SECTION 228 OF THE 1973 FEDERAL AID HIGHWAY SAFETY ACT REQUIRES PROVISION OF CURB RAMPS ON ANY CURB CONSTRUCTION AFTER JULY 1.1976 WHETHER A SIDEWALK IS PROPOSED INITIALLY OR IS PLANNED FOR A FUTURE DATE.

THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1990 EXTENDS TO INDIVIDUALS WITH DISABILITIES, COMPREHENSIVE CIVIL RIGHTS PROTECTIONS SIMILIAR TO THOSE PROVIDED TO PERSONS ON THE BASIS OF RACE, SEX, NATIONAL ORIGIN AND RELIGION UNDER THE CIVIL RIGHTS ACT OF 1964. THESE CURB RAMPS HAVE BEEN DESIGNED TO COMPLY WITH THE CURRENT ADA STANDARDS.

- PROVIDE WHEELCHAIR RAMPS AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. LOCATE WHEELCHAIR RAMPS AS DIRECTED BY THE ENGINEER WHERE EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. AFFECT PLACEMENT. WHERE TWO RAMPS ARE INSTALLED PLACE NOT LESS THAN 2 FEET OF FULL HEIGHT CURB BETWEEN THE RAMPS. PLACE DUAL RAMPS AS NEAR PERPENDICULAR TO THE TRAVEL LANE BEING CROSSED AS POSSIBLE.
- 5. DO NOT EXCEED 0.08 (12:1) SLOPE ON THE WHEELCHAIR RAMP IN RELATIONSHIP TO THE GRADE OF THE STREET.
- CONSTRUCT WHEELCHAIR RAMPS 40" (3'-4") OR GREATER FOR DUAL RAMPS AND 60" (5'-0") OR GREATER FOR DIAGONAL RAMPS.
- USE CLASS "B" CONCRETE WITH A SIDEWALK FINISH IN ORDER TO OBTAIN A ROUGH NON-SKID TYPE SURFACE.
- PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE WHEELCHAIR RAMP JOINS THE CURB AND AS SHOWN ON STD. DWG. 848.01.
- PLACE THE INSIDE PEDESTRIAN CROSSWALK LINES NO CLOSER IN THE INTERSECTION BY BISECTING THE INTERSECTION RADII. WITH ALLOWANCE OF A 4' CLEAR ZONE IN THE VEHICULAR TRAVELWAY WHEN ONE RAMP IS INSTALLED. (SEE NOTE 14)
- COORDINATE THE CURB CUT AND THE PEDESTRIAN CROSSWALK LINES SO THE FLOOR OF THE WHEELCHAIR RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES. PLACE DIAGONAL RAMPS WITH FLARED SIDES SO 24" OF FULL HEIGHT CURB FALLS WITHIN THE CROSSWALK MARKINGS ON EACH SIDE OF THE FLARES.
- CONSTRUCT THE PEDESTRIAN CROSSWALK A MINIMUM OF 6 FEET. A CROSSWALK WIDTH OF 10 FEET OR GREATER IS DESIRABLE.
- USE STOP LINES, NORMALLY PERPENDICULAR TO THE LANE LINES, WHERE IT IS IMPORTANT TO INDICATE THE POINT BEHIND WHICH VEHICLES ARE RÉQUIRED TO STOP IN COMPLIANCE WITH A TRAFFIC SIGNAL, STOP SIGN OR OTHER LEGAL REQUIREMENT. AN UNUSUAL APPROACH SKEW MAY REQUIRE THE PLACEMENT OF THE STOP LINE TO BE PARALLEL TO THE INTERSECTING ROADWAY.
- 13. TERMINATE PARKING A MINIMUM OF 20 FEET BACK OF PEDESTRIAN CROSSWALK.
- 14. PLACE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION AND THE NORTH CAROLINA SUPPLEMENT TO THE MUTCD.

SHEET 5 OF 5

848D06

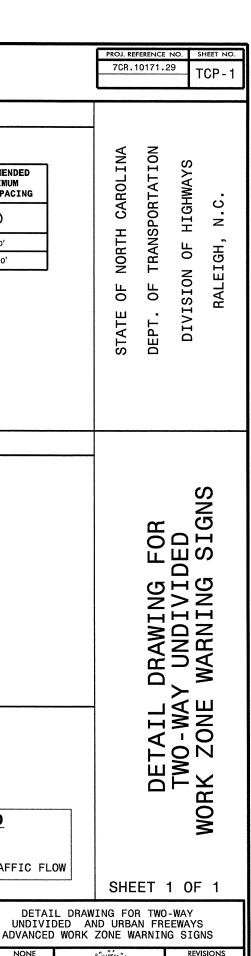
PROJECT NO.	SHEET NO.	TOTAL NO.	
7CR.10171.29		-	

SUMMARY OF QUANTITIES

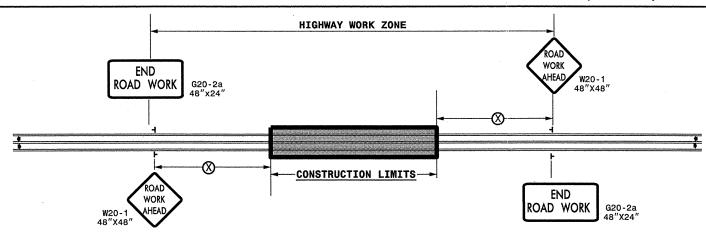
PROJECT	COUNTY	МАР	ROUTE	DESCRIPTION	ТҮР	FINAL SURFACE TESTING REQUIRED	LENGTH	WIDTH	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCT ION	MILLING ASPHALT PAVEMENT, 0" TO 1 1/2" DEPTH	INCIDENTAL MILLING	ASPHALT CONC BASE COURSE, TYPE B25.0B	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64 22	- ASPHALT	RETROFITTIN G EXISTING WHEELCHAIR RAMPS	VALVE BOX	SEED & MULCHING	RESIDENTIAL SEEDING		
NO		NO			NO		MI	FT	CY	TONS	SMI	SY	SY	TONS	TONS	TONS	SY	EA	EA	AC	AC		
					FROM PERSON COUNTY LINE TO NC 62	1	NO	5.11	23	20	302	10.51		192	5,482	7,182	667	68,951			1.91	1.91	
				Bridge # 15	1	NO	0.071	26		302	10.51		132	3,402	7,102	1 007	08,931	 		1.51	1.91		
					1	NO	0.134	24					200	144	206	19	1,887		2				
		1	NC57		1	NO	0.01	24-29						11	55	4	158		1				
			1		2, 3	NO	0.067	29			·	31			116	7	1,140		3				
					3	NO	0.169	30				694			251	15	2,974		3				
					2	NO	0.007	28-30							10	1	119						
7CR.10171.29	Caswell		<u> </u>	<u> </u>	2	NO	0.026	28							36	2	427						
				TOTAL FOR MAP NO. 1			5.594		20	302	10.51	725	392	5,637	7,856	715	75,656		9	1.91	1.91		
				FROM NC 57 TO VIRGINIA STATE	2	NO	0.022	30		109					125	7	387	1	1				
		2	NC 63	NC 62	NC 62	LINE	2	NO	0.174	32							275	17	3,267				
		~	INC 02		2	NO	0.022	38					317		41	2	491						
				Bridge # 63	2	NO	0.182	41															
			<u> </u>		2	NO	0.084	35					292		145	9	1,725						
TOTAL FOR MAP NO. 2							0.484			109			609		586	35	5,870	1	1				
	TOTAL FOR PROJ NO. 7CR.10171.29					<u> </u>	6.078	J	20	411	10.51	725	1,001	5,637	8,442	750	81,526	1	10	1.91	1.91		
GRAND TOTAL						L	6.078		20	411	10.51	725	1,001	5,637	8,442	750	81,526	1	10	1.91	1.91		

THERMOPLASTIC AND PAINT QUANTITIES

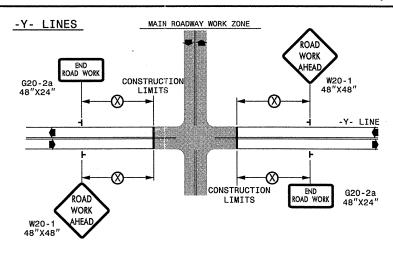
				DESCRIPTION			4685000000-E	4686000000-E	4690000000-E	4710000000-E	4721000000-E	4905000000-N			
PROJECT	COUNTY	MAP	ROUTE		LENGTH	WIDTH	4" X 90 M	M 4" X 120 M	6" X 120 M	24" X 120 M	THERMO MSG	SNOW			
							WHITE	YELLOW	WHITE	WHITE	SPEED LIMIT	PLOWABLE			
							THERMO	THERMO	THERMO	THERMO	30	MARKERS			
NO		NO					LF	LF	LF	LF	EA	EA			
		1	N/CE7	NC57	N/CE7	N/CE7	FROM PERSON COUNTY LINE TO NC								
			NC37	62	5.594	23	59,070	52,010	250		12	424			
7CR.10171.29	Caswell			TOTAL FOR MAP NO. 1	5.594		59,070	52,010	250		12	424			
		2	NC 62	FROM NC 57 TO VIRGINIA STATE	0.484	30	5,110	5,234		64	12	36			
				TOTAL FOR MAP NO. 2	0.484		5,110	5,234		64	12	36			
TOTAL FOR PROJ NO. 7CR.10171.29			6.078		64,180	57,244	250	64	24	460					
GI	GRAND TOTAL				6.078		64,180	57,244	250	64	24	460			



TWO-WAY UNDIVIDED ** (L-LINES)



ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)

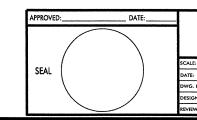


GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND - STATIONARY SIGN

direction of traffic flow



NE CONTRACTOR

REVISIONS
7-98 10/01
10-98 03/04
01/01 11/04