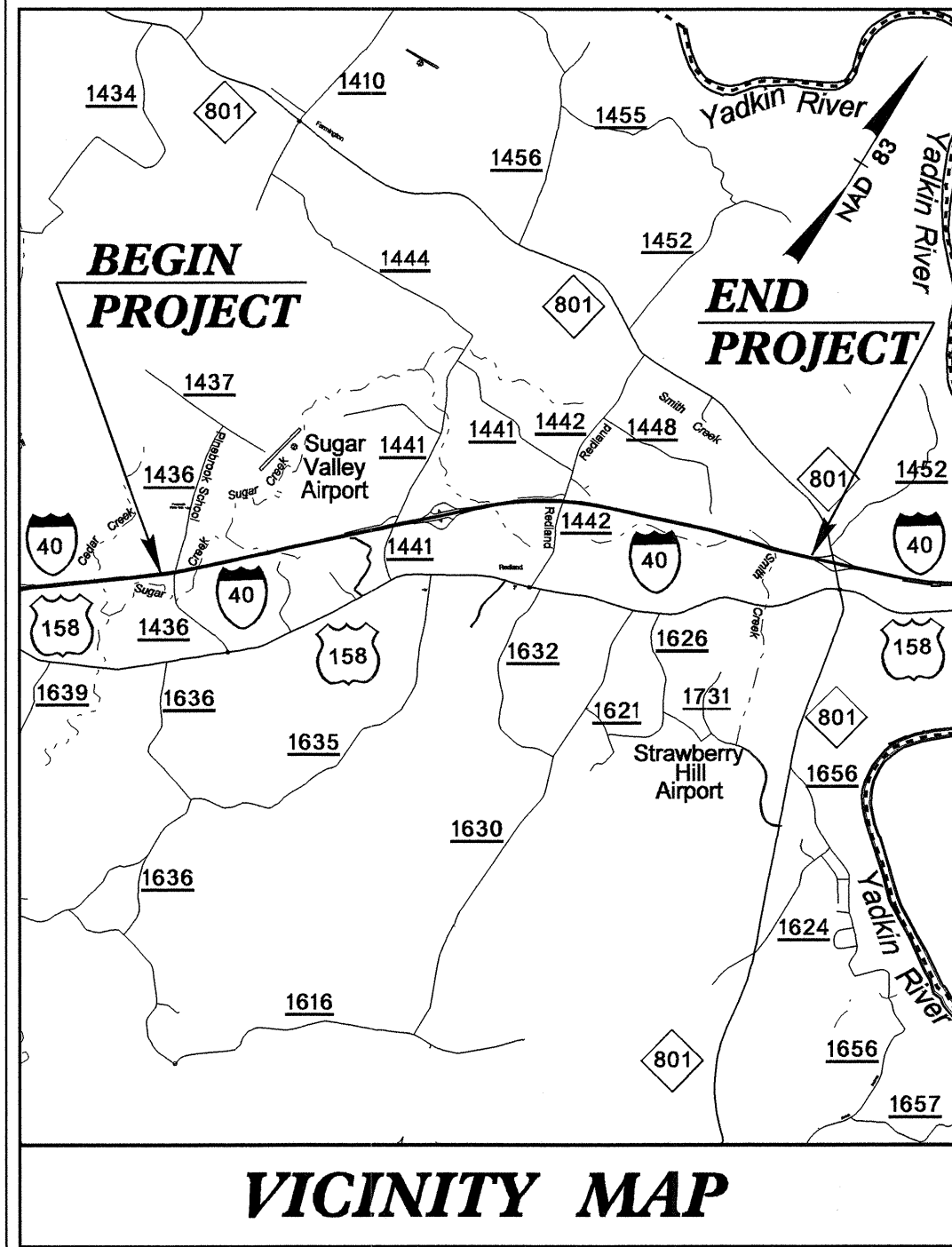


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DAVIE COUNTY

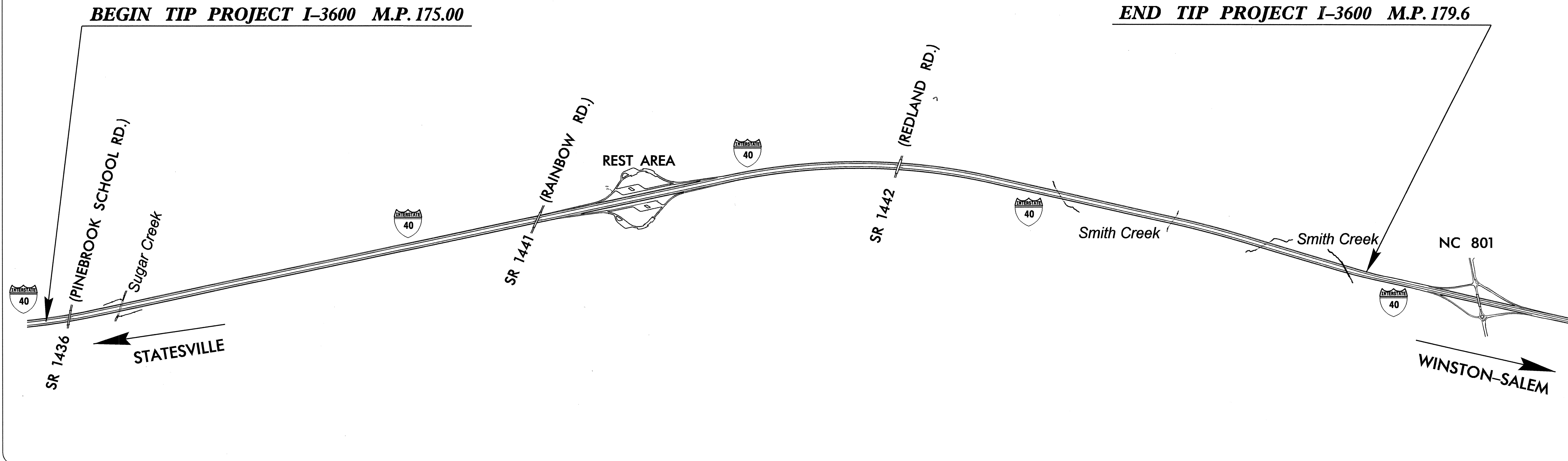
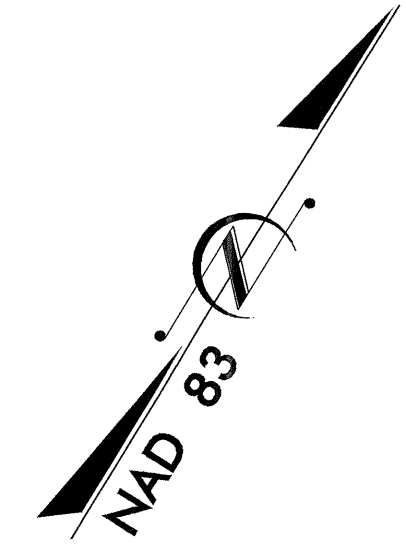
**LOCATION: I-40 FROM SR 1436 (PINEBROOK DRIVE)
(MILEPOST 175) TO WEST OF NC 801
(MILEPOST 179.6)**
**TYPE OF WORK: PAVEMENT REHABILITATION AND
GUARDRAIL REPLACEMENT**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-3600	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
34183.1.1	IMS-40-3(95)175	P.E.	
34183.3.GV.1	IMS-40-3(118) 175	CONST.	



TIP PROJECT: I-3600

CONTRACT: C201421



GRAPHIC SCALES

N/A

DESIGN DATA

ADT 2003 = 37,800
ADT 2030 = 78,600
DHV = 10 %
D = 60 %
T = 24 % *
V = 75 MPH
* TTST 18 DUAL 6

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT I-3600 = 4.60 MILES
TOTAL LENGTH TIP PROJECT I-3600 = 4.60 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS

1000 Birch Ridge Dr., Raleigh NC, 27610

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
MAY 15, 2007

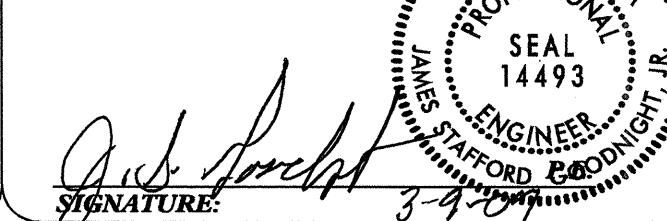
JIMMY GOODNIGHT
PROJECT ENGINEER

MARK HUSSEY
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

N/A P.E.
SIGNATURE:

ROADWAY DESIGN ENGINEER

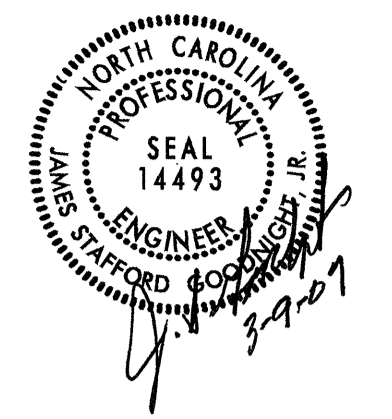


**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

STATE DESIGN ENGINEER
**DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION**

APPROVED
DIVISION ADMINISTRATOR DATE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS



INDEX OF SHEETS

GENERAL NOTES

LIST OF STANDARDS

SHEET NUMBER	SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
2 THRU 2-A	PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND WEDGING DETAILS
2-B	DETAIL OF CONTINUOUSLY REINFORCED CONCRETE REPAIRS
3	SUMMARY OF QUANTITIES
3A	SUMMARY OF PAVEMENT REMOVAL, EARTHWORK, GUARDRAIL AND CRC REMOVAL AND REPLACEMENT
3-B	SHOULDER DRAIN SUMMARY
4	PLAN SHEET
TCP-1 THRU TCP-14	TRAFFIC CONTROL PLANS
PM-1	PAVEMENT MARKING PLANS
SIGN-1 THRU SIGN-14	SIGNING PLANS

GENERAL NOTES: 2006 SPECIFICATIONS
EFFECTIVE: 07-18-06
REVISED: 07-18-06

GRADING AND SURFACING OR RESURFACING AND WIDENING:
THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

SHOULDER DRAINS:
SHOULDER DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO 816.02 AND DETAILS IN PLANS AT LOCATIONS DIRECTED BY THE ENGINEER

GUARDRAIL:
THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

ROADWAY ENGLISH STANDARD DRAWINGS
EFF. 07-18-06
REV. 07-18-06

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated July 18, 2006 are applicable to this project and by reference hereby are considered a part of these plans:

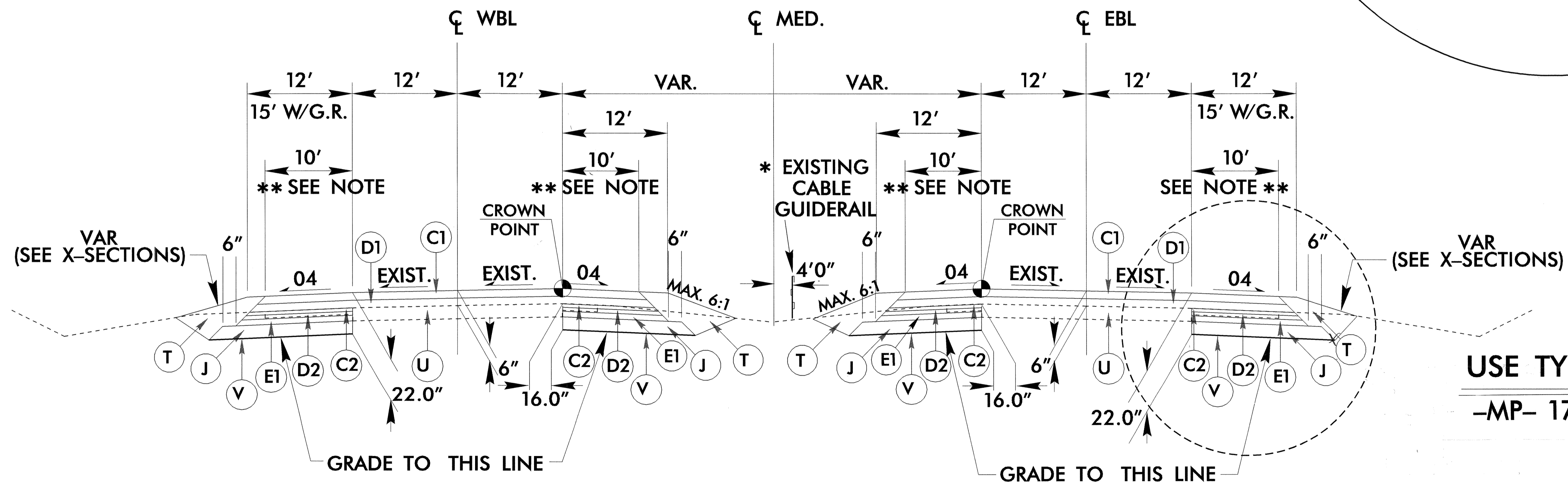
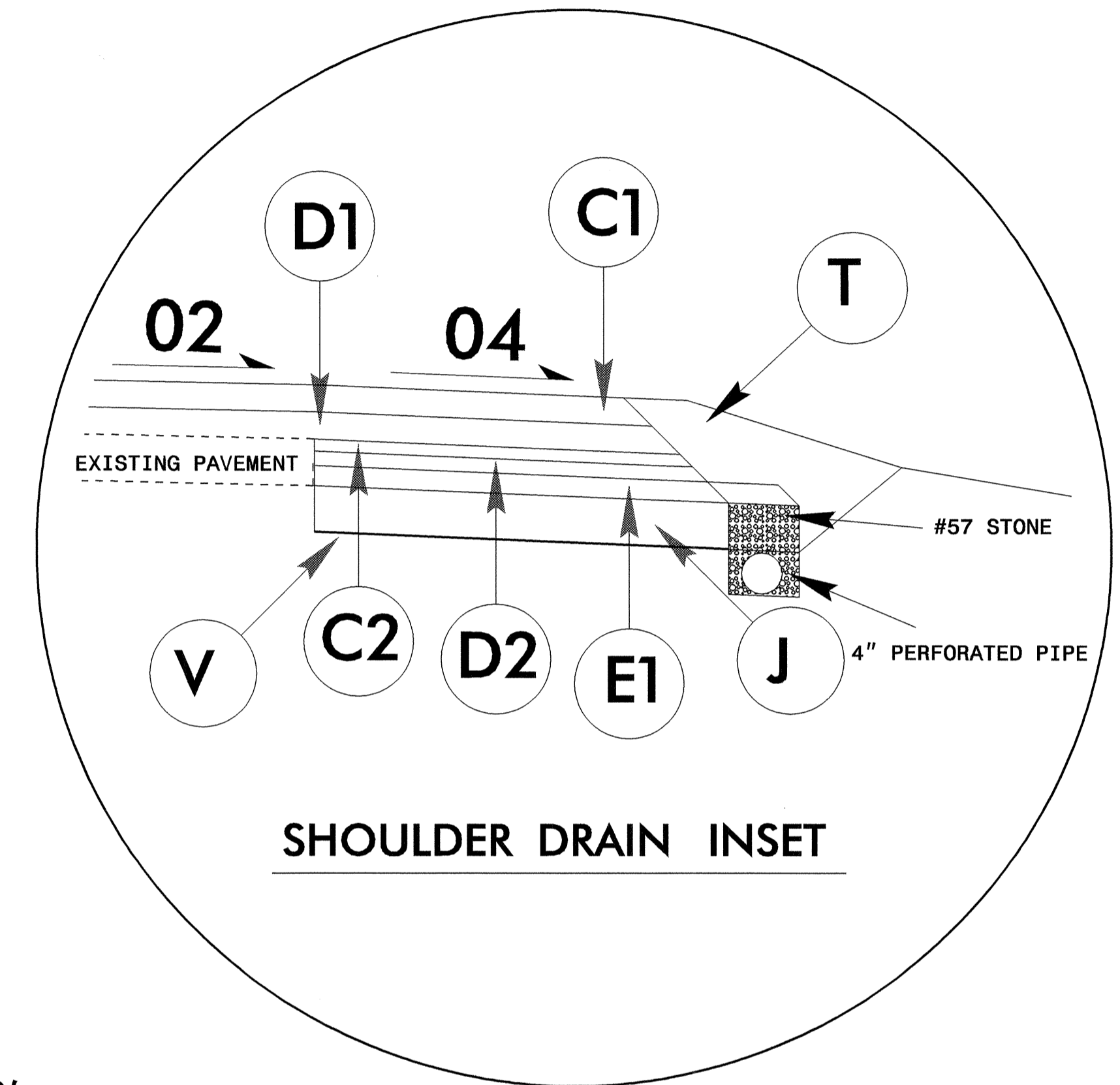
STD. NO.	TITLE
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.02	METHOD OF SHOULDER CONSTRUCTION - HIGH SIDE OF SUPERELEVATED CURVE - METHOD II
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
665.01	MILLED RUMBLE STRIPS - ASPHALT PAVEMENTS
DIVISION 8 - INCIDENTALS	
816.01	CONCRETE PADS - FOR SHOULDER DRAIN INSTALLATION
816.02	AGGREGATE SHOULDER DRAIN
816.04	MARKERS FOR DRAINAGE STRUCTURE AND CONCRETE PAD
862.01	GUARDRAIL PLACEMENT
862.02	GUARDRAIL INSTALLATION
862.03	STRUCTURE ANCHOR UNITS

PROJECT REFERENCE NO. 1-3600	SHEET NO. 2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 14493 11-16-04	PAVEMENT DESIGN ENGINEER SEAL 22896 11-16-04

PAVEMENT SCHEDULE

C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	E1	PROP. APPROX. 3" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5 1/2" IN DEPTH.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 1 1/2" IN DEPTH OR GREATER THAN 2 1/4" IN DEPTH.	J	PROP. 8" AGGREGATE BASE COURSE.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0D, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD.	T	EARTH MATERIAL.
D2	PROP. APPROX. 3 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.	U	EXISTING PAVEMENT.
D3	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2 1/4" IN DEPTH OR GREATER THAN 4" IN DEPTH.	V	GEOTECHNICAL FABRIC (AS DIRECTED BY ENGINEER)

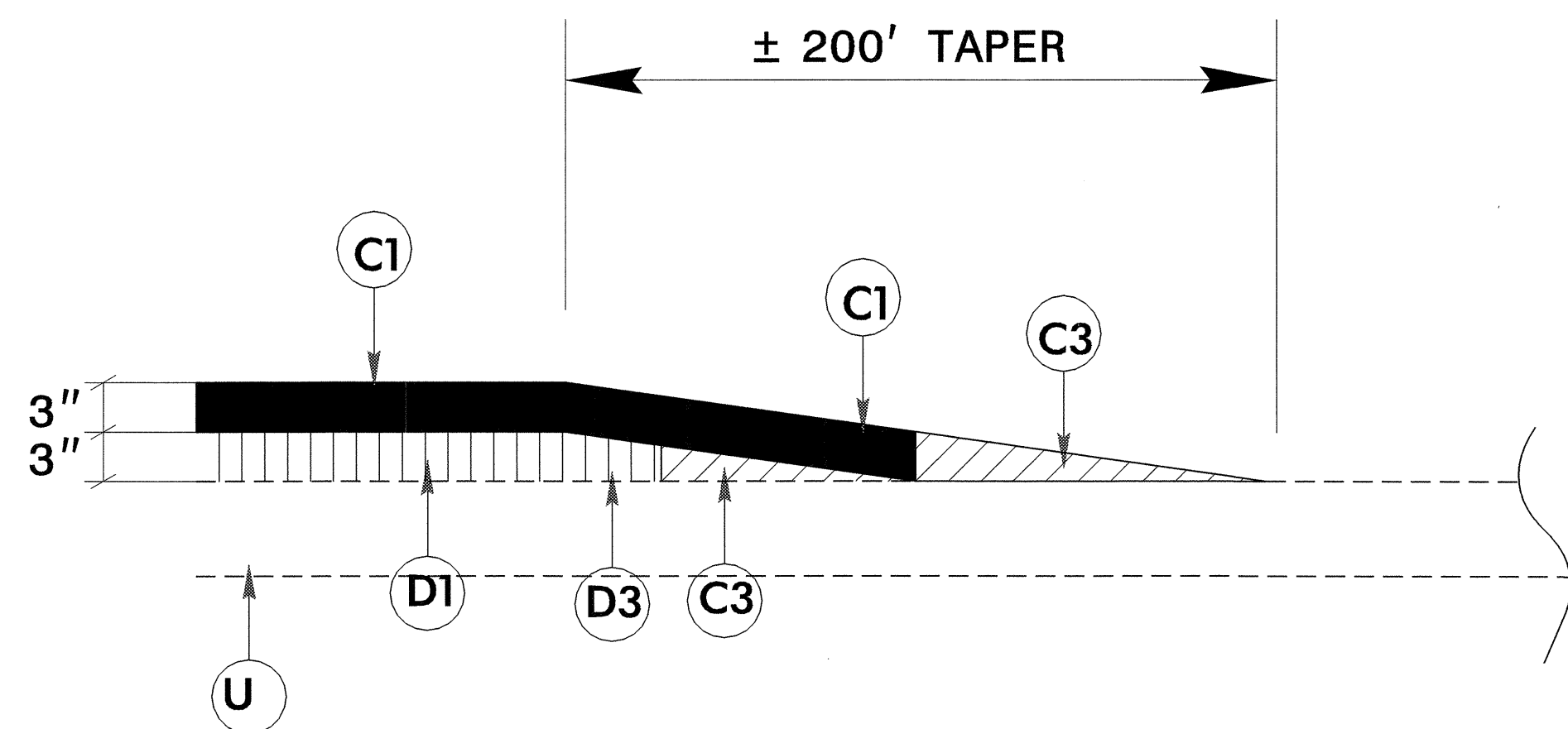
NOTE : PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



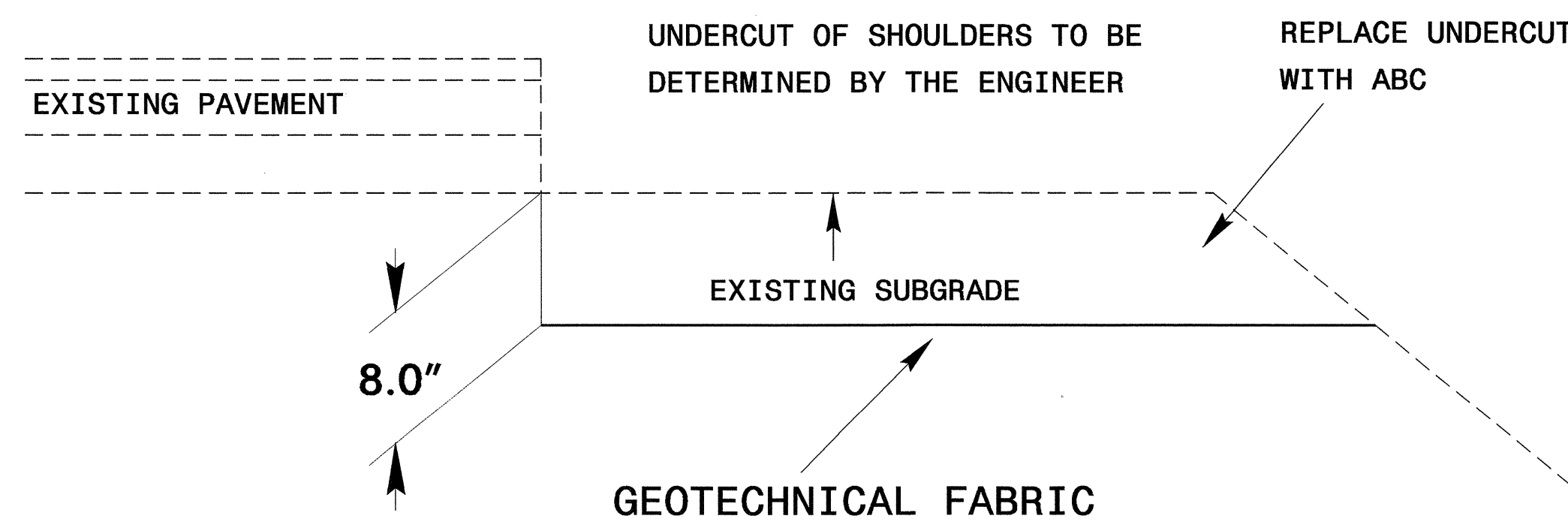
USE TYPICAL SECTION NO. 1
-MP- 175.00 TO -MP- 179.60

TYPICAL SECTION NO. 1

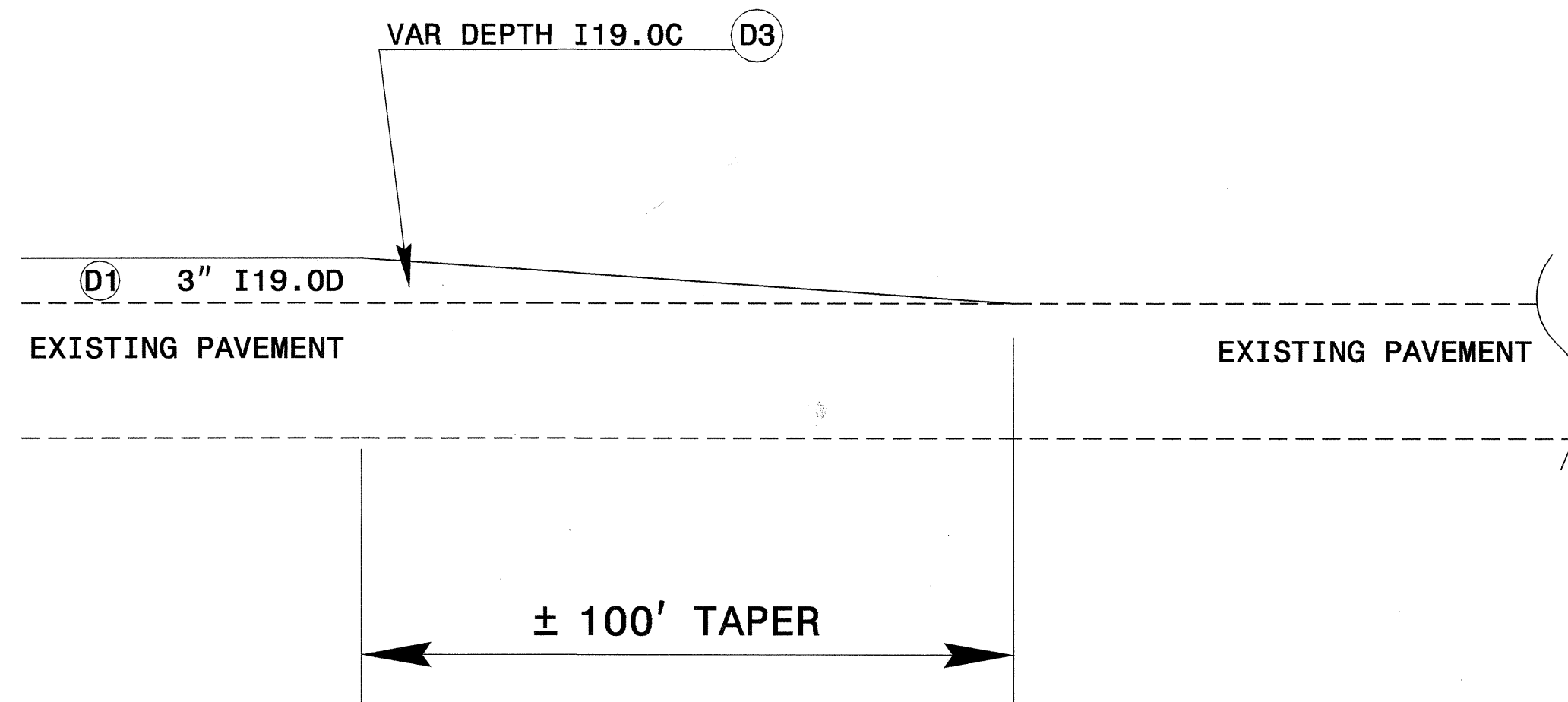
- * NOTE : DO NOT DISTURB EXISTING CABLE GUIDERAIL
- ** NOTE : MILLED RUMBLE STRIPS REQUIRED (STD. 665.01)



DETAIL OF PAVEMENT FEATHERING
 NOTE : TIE RAMPS IN AT THE BACK OF GORE

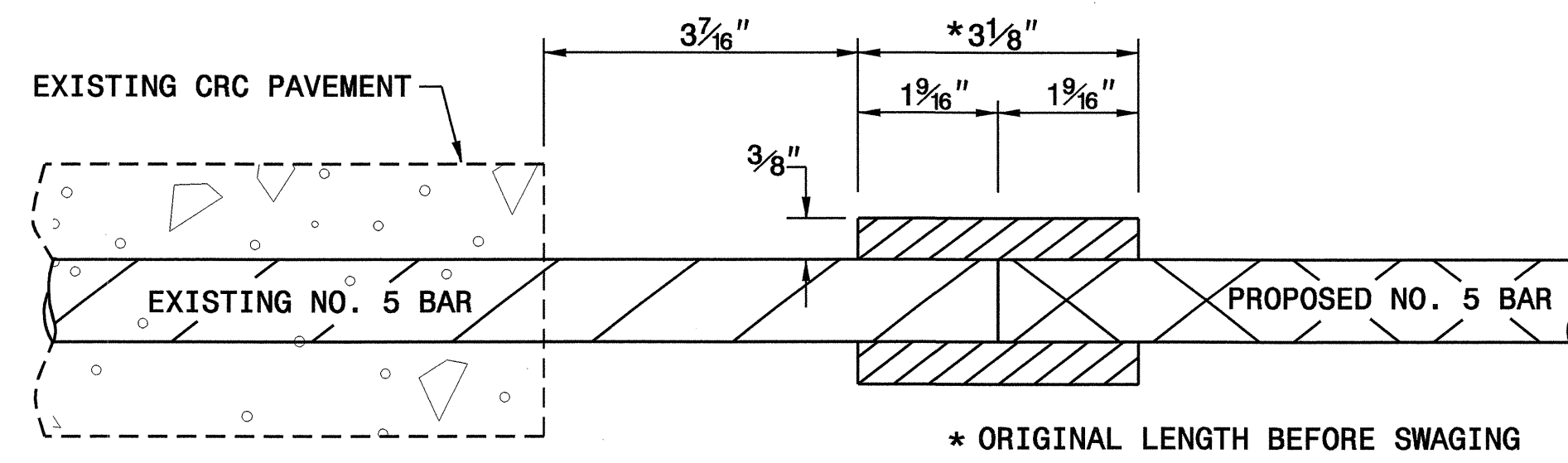


DETAIL SHOWING SHOULDER UNDERCUT

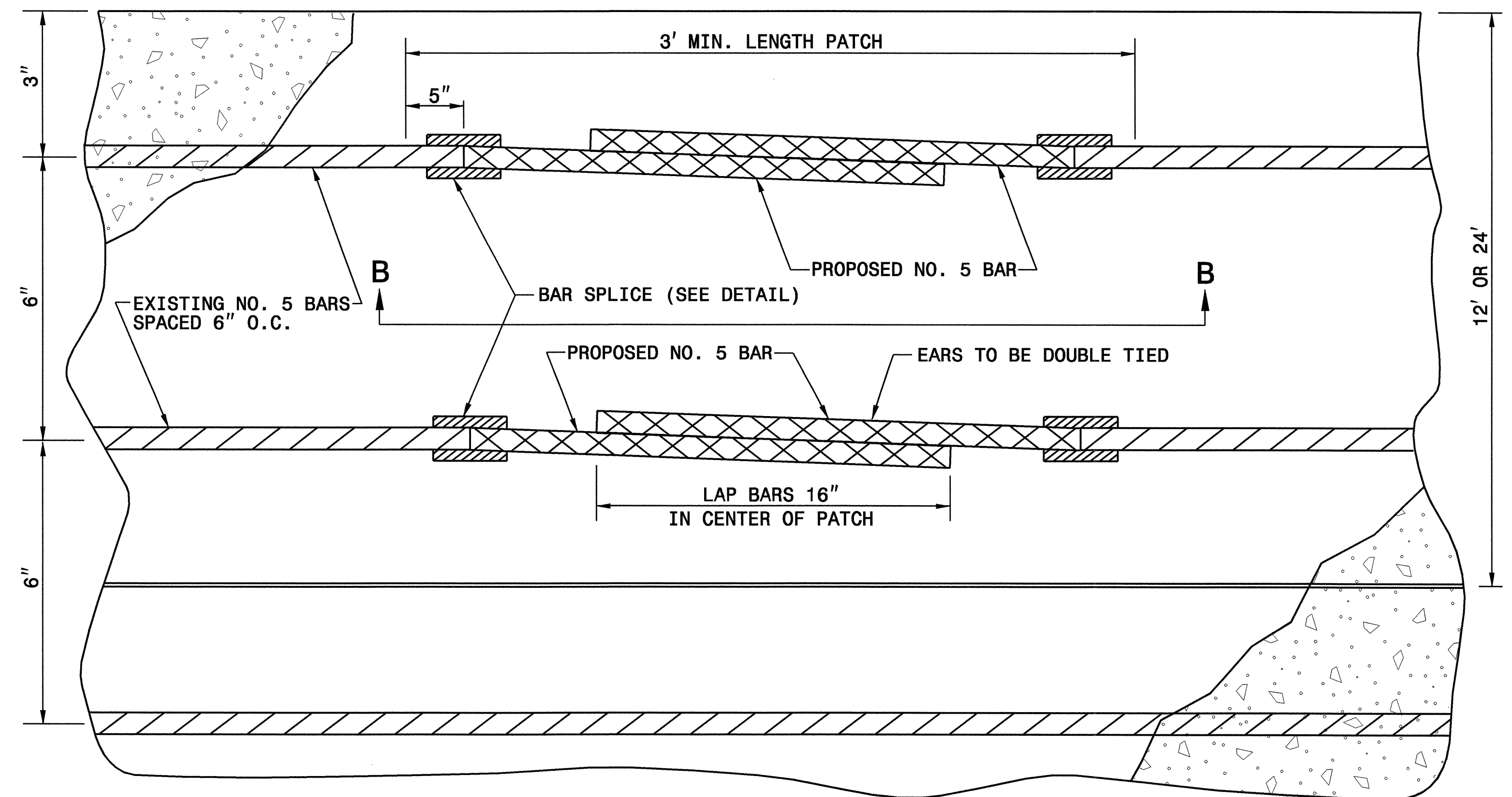


DETAIL SHOWING TEMPORARY TAPERING AND TIE-INS DURING CONSTRUCTION

PROJECT REFERENCE NO. I-3600		SHEET NO. 2-A	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		PAVEMENT DESIGN ENGINEER	
PAVEMENT SCHEDULE			
C1	3" S9.5D		
C2	1½" S9.5C		
C3	VAR. DEPTH S9.5C		
D1	3" I19.0D		
D2	3½" I19.0C		
D3	VAR. DEPTH I19.0C		
E1	3" B25.0C		
E2	VAR. DEPTH B25.0C		
J	8" ABC		
T	EARTH MATERIAL		
U	EXISTING PAVEMENT		
V	GEOTECHNICAL FABRIC		

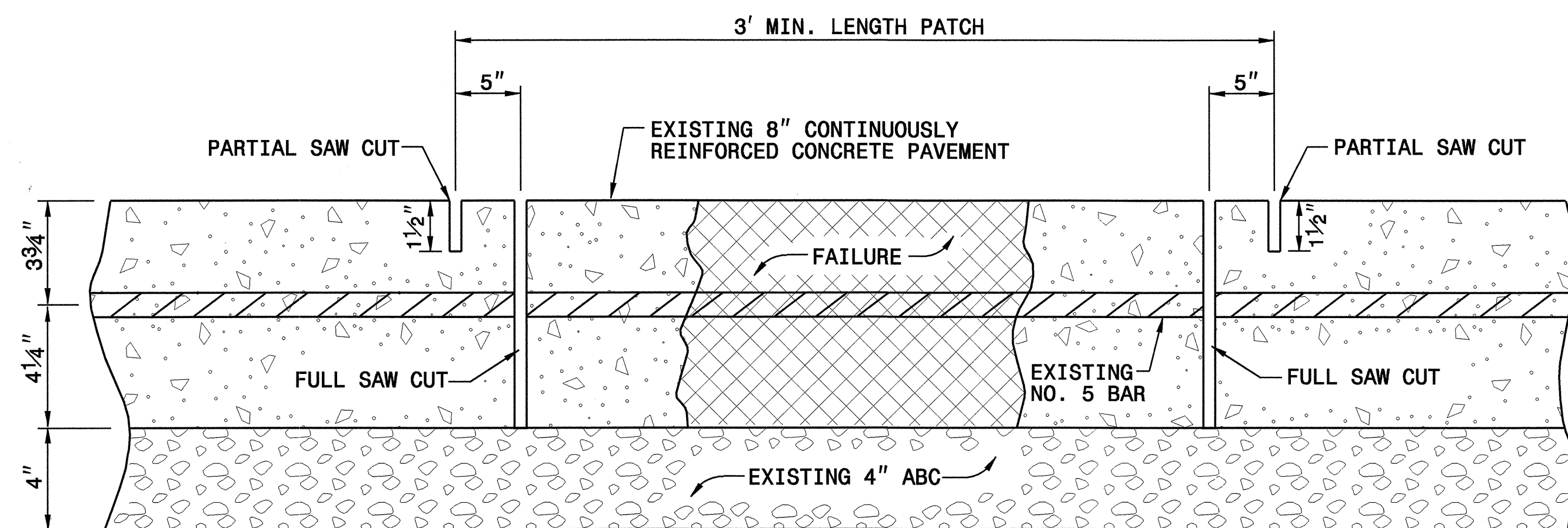


DETAIL OF BAR SPLICING

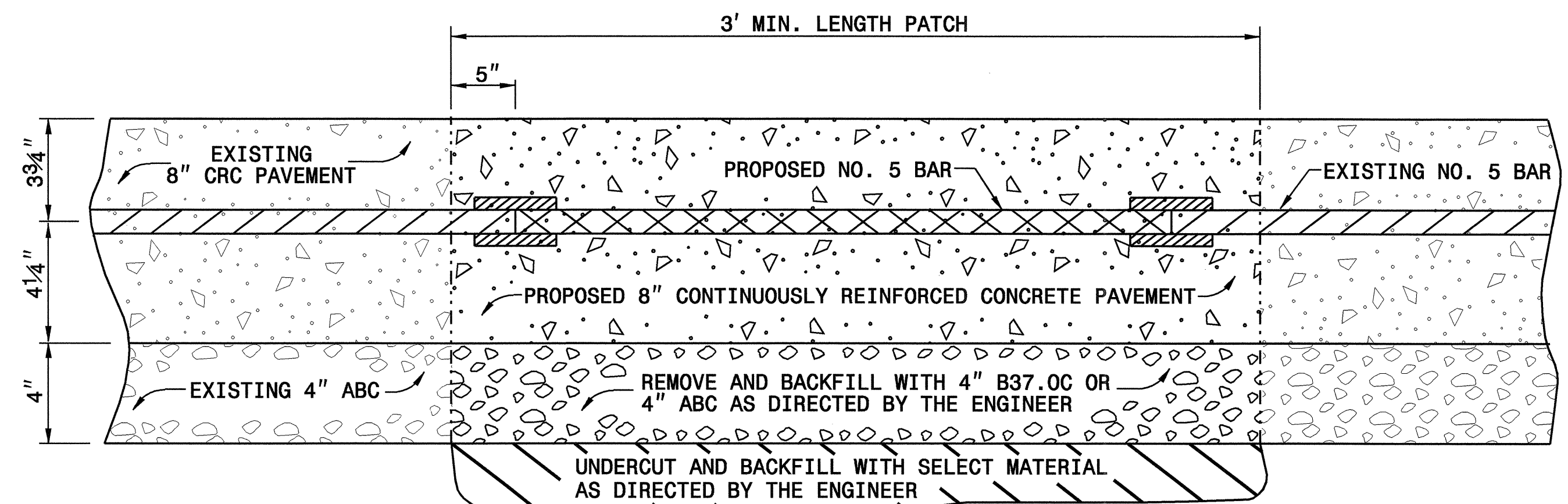


BAR SUPPORTS SHALL BE PLACED ON 5' CENTERS FOR PATCHES GREATER THAN 10' IN LENGTH AND AT CENTER OF PATCH FOR REPAIRS LESS THAN 10'. HEIGHT OF SUPPORTS SHALL BE DETERMINED BY THE CONTRACTOR.

PLAN



DETAIL OF SAW CUTS



PLACE SOIL STABILIZATION FABRIC UNDER SELECT BACKFILL

SECTION B-B

DETAIL OF CONCRETE PAVEMENT REMOVAL AND REPLACEMENT



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

**DETAIL FOR REPAIR OF
CONTINUOUSLY REINFORCED
CONCRETE PAVEMENT**

ORIGINAL BY: E.E. WARD DATE: 4-98
 MODIFIED BY: *[Signature]* DATE: *[Signature]*
 CHECKED BY: *[Signature]* DATE: 3/16/07
 FILE SPEC.: ds37:/usr/details/stand/crcrepair.dgn

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
ROADWAY SUMMARY OF QUANTITIES FOR CONTRACT - C201421

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF QUANTITIES

ItemNumber	Sec #	Quantity	Unit	Description
0000100000-N	800	Lump Sum		MOBILIZATION
0022000000-E	225	73,800	CY	UNCLASSIFIED EXCAVATION
0036000000-E	225	4,825	CY	UNDERCUT EXCAVATION
0106000000-E	230	13,120	CY	BORROW EXCAVATION
0156000000-E	250	75,600	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT
0196000000-E	270	133,150	SY	FABRIC FOR SOIL STABILIZATION
1011000000-N	500	Lump Sum		FINE GRADING
1121000000-E	520	79,580	TON	AGGREGATE BASE COURSE
1297000000-E	607	500	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
1491000000-E	610	20,225	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
1503000000-E	610	23,000	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
1508000000-E	610	40,975	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0D
1523000000-E	610	9,500	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1524200000-E	610	40,025	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
1560000000-E	620	1,951	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
1565000000-E	620	2,496	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
1570000000-E	620	2,402	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22
1840000000-E	665	97,200	LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
1880000000-E	SP	104	TON	GENERIC PAVING ITEM ABC FOR BACKFILL
1891000000-E	SP	450	SY	GENERIC PAVING ITEM 8" CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR
2099000000-E	816	31,500	LF	SHOULDER DRAIN
2110000000-E	816	31,500	LF	4" SHOULDER DRAIN PIPE
2121000000-E	816	3,220	LF	4" OUTLET PIPE FOR SHOULDER DRAINS
2132000000-N	816	49	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET
2815000000-N	858	2	EA	ADJUSTMENT OF DROP INLETS
3030000000-E	862	13,975	LF	STEEL BM GUARDRAIL
3150000000-N	862	10	EA	ADDITIONAL GUARDRAIL POSTS
3210000000-N	862	17	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
3270000000-N	SP	17	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
3345000000-E	864	422.4	LF	REMOVE & RESET EXISTING GUARDRAIL
3347000000-E	864	500	LF	REMOVE & RESET EXISTING GUIDE-RAIL
3360000000-E	863	14,925	LF	REMOVE EXISTING GUARDRAIL
3656000000-E	876	375	SY	FILTER FABRIC FOR DRAINAGE
4048000000-E	902	6	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
4060000000-E	903	4,796	LB	SUPPORTS, BREAKAWAY STEEL BEAM
4072000000-E	903	435	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
4078000000-E	903	10	EA	SUPPORTS, 2-LB STEEL U-CHANNEL
4102000000-N	904	20	EA	SIGN ERECTION, TYPE E
4108000000-N	904	3	EA	SIGN ERECTION, TYPE F
4110000000-N	904	12	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
4110000000-N	904	4	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
4114000000-N	904	10	EA	SIGN ERECTION, MILEMARKERS
4116100000-N	904	2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (A)
4138000000-N	907	4	EA	DISPOSAL OF SUPPORT, STEEL BEAM
4152000000-N	907	4	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
4155000000-N	907	26	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

ItemNumber	Sec #	Quantity	Unit	Description
4236000000-N	907	7	EA	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
4400000000-E	1110	840	SF	WORK ZONE SIGNS (STATIONARY)
4405000000-E	1110	902	SF	WORK ZONE SIGNS (PORTABLE)
4410000000-E	1110	40	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
4415000000-N	1115	4	EA	FLASHING ARROW PANELS, TYPE C
4420000000-N	1120	4	EA	CHANGEABLE MESSAGE SIGN
4430000000-N	1130	400	EA	DRUMS
4445000000-E	1145	48	LF	BARRICADES (TYPE III)
4465000000-N	1160	4	EA	TEMPORARY CRASH CUSHIONS
4470000000-N	1160	14	EA	RESET TEMPORARY CRASH CUSHIONS
4480000000-N	1165	4	EA	TMA
4485000000-E	1170	600	LF	PORTABLE CONCRETE BARRIER
4495000000-E	1170	300	LF	PORTABLE CONCRETE BARRIER (DRAINAGE)
4500000000-E	1170	4,200	LF	RESET PORTABLE CONCRETE BARRIER
4506000000-E	1170	2,100	LF	RESET PORTABLE CONCRETE BARRIER (DRAINAGE)
4510000000-N	SP	330	HR	POLICE
4650000000-N	1251	1,480	EA	TEMPORARY RAISED PAVEMENT MARKERS
4775000000-E	1205	42,660	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (4)
4815000000-E	1205	684,680	LF	PAINT PAVEMENT MARKING LINES (6")
4825000000-E	1205	9,600	LF	PAINT PAVEMENT MARKING LINES (12")
4845000000-N	1205	12	EA	PAINT PAVEMENT MARKING SYMBOL
4847100000-E	1205	118,900	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (STANDARD GLASS BEADS)
4847120000-E	1205	1,600	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (STANDARD GLASS BEADS)
4847220000-N	1205	6	EA	POLYUREA PAVEMENT MARKING SYMBOL (*****) (STANDARD GLASS BEADS)
4850000000-E	1205	81,330	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
4855000000-E	1205	105,600	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
4865000000-E	1205	1,600	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
4905000000-N	1253	820	EA	SNOWPLOWABLE PAVEMENT MARKERS
6000000000-E	1605	1,000	LF	TEMPORARY SILT FENCE
6006000000-E	1610	200	TON	STONE FOR EROSION CONTROL, CLASS A
6009000000-E	1610	500	TON	STONE FOR EROSION CONTROL, CLASS B
6012000000-E	1610	200	TON	SEDIMENT CONTROL STONE
6015000000-E	1615	21.5	ACR	TEMPORARY MULCHING
6018000000-E	1620	750	LB	SEED FOR TEMPORARY SEEDING
6021000000-E	1620	3	TON	FERTILIZER FOR TEMPORARY SEEDING
6030000000-E	1630	1,200	CY	SILT EXCAVATION
6036000000-E	1631	2,000	SY	MATting FOR EROSION CONTROL
6042000000-E	1632	1,000	LF	1/4" HARDWARE CLOTH
6084000000-E	1660	29.5	ACR	SEEDING & MULCHING
6087000000-E	1660	12.5	ACR	MOWING
6090000000-E	1661	250	LB	SEED FOR REPAIR SEEDING
6093000000-E	1661	0.5	TON	FERTILIZER FOR REPAIR SEEDING
6096000000-E	1662	500	LB	SEED FOR SUPPLEMENTAL SEEDING
6108000000-E	1665	22	TON	FERTILIZER TOPDRESSING
6114000000-N	SP	34	HR	SPECIALIZED HAND MOWING
6117000000-N	SP	8	EA	RESPONSE FOR EROSION CONTROL

5/28/99

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8:55:57 AM

COMPUTED BY: J. JOHNSON DATE: 8/20/04
 CHECKED BY: DATE:

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

GUARDRAIL SUMMARY

SURVEY LINE	BEG. MILE POST	END MILE POST	LOCATION	LENGTH		ANCHORS		REMOVE EXISTING GUARDRAIL	REMOVE & RESET EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	TYPE 350	CAT-1			
	175.073	175.133	LT.	316.80		1	1	316.80		REMOVE & REPLACE AT EXISTING LOCATION
	175.203	175.334	LT.	691.68		1	1	691.68		REMOVE & REPLACE AT EXISTING LOCATION
	175.596	175.955	LT.	1895.52		1	1	1895.52		REMOVE & REPLACE AT EXISTING LOCATION
	176.738	176.800	LT.	327.36		1	1	327.36		REMOVE & REPLACE AT EXISTING LOCATION
	177.325	177.590	LT.	1399.20		1	1	1399.20		REMOVE & REPLACE AT EXISTING LOCATION
	177.727	177.904	LT.	934.56		1	1	934.56		REMOVE & REPLACE AT EXISTING LOCATION
	178.003	178.366	LT.	1916.64		1	1	1916.64		REMOVE & REPLACE AT EXISTING LOCATION
	178.480	178.648	LT.	887.04		1	1	887.04		REMOVE & REPLACE AT EXISTING LOCATION
	179.237	179.419	LT.	960.96		1	1	960.96		REMOVE & REPLACE AT EXISTING LOCATION
	179.543	179.60	LT.	300.96		1	1	300.96		REMOVE & REPLACE AT EXISTING LOCATION
										TIE TO EXIST @ MP 179.60 LT
	175.018	175.088	RT.	369.60		1	1	369.60		REMOVE & REPLACE AT EXISTING LOCATION
	175.148	175.347	RT.	1050.72		1	1	1050.72		REMOVE & REPLACE AT EXISTING LOCATION
	175.707	175.918	RT.	1114.08		1	1	1114.08		REMOVE & REPLACE AT EXISTING LOCATION
	176.677	176.853	RT.	929.28		1	1	929.28		REMOVE & REPLACE AT EXISTING LOCATION
	177.421	177.495	RT.	390.72		1	1	390.72		REMOVE & REPLACE AT EXISTING LOCATION
	177.942	178.014	RT.	380.16		1	1	380.16		REMOVE & REPLACE AT EXISTING LOCATION
	178.154	178.254	RT.	528.00		1	1	528.00		REMOVE & REPLACE AT EXISTING LOCATION
	179.500	179.600	RT.	528.00		1	1	528.00		REMOVE & REPLACE AT EXISTING LOCATION
										TIE TO EXIST @ MP 179.60
	179.560	179.60	MED LT.						211.2	REMOVE & RESET AT EXISTING LOCATION
	179.560	179.60	MED RT.						211.2	REMOVE & RESET AT EXISTING LOCATION
			SUBTOTAL	14,921.28		17	17	14,921.28	422.4	
			ANCHOR DEDUCTIONS							
			GRAU-350 (17 x 50')	-850.00						
			CAT-1 (17 x 6.25')	-106.25						
			TOTAL	13,965.03				14,921.28	422.4	
			SAY	13,975.00				14,925.00	422.4	
			CONTINGENCY ITEM - REMOVE & RESET CABLE GUARDRAIL = 500 LF							
			ADDITIONAL GUARDRAIL POSTS = 10 EA							

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
RIGHT					
M.P. 175.000 - M.P. 179.600	15430				15430
MEDIAN					
M.P. 175.000 - M.P. 179.600	42918				42918
LEFT					
M.P. 175.000 - M.P. 179.600	15430				15430
SUBTOTAL	73778				73778
SHOULDER MATERIAL					
M.P. 175.000 - M.P. 179.600			49373	49373	
SUBTOTAL	73778		49373	49373	73778
AS PER DIVISION: ESTIMATED 50% OF UNCL. EXC. SUITABLE FOR SHOULDER CONST. TO BE USED IN LIEU OF SHOULDER MATERIAL				-36889	-36889
SUBTOTAL	73778			12484	36889
+ 5% TO REPLACE TOPSOIL AT BORROW PIT				624	
GRAND TOTAL	73778			13108	36889
SAY	73800			13120	
ESTIMATED UNDERCUT 20% OF THE AREA OF SHOULDER REPLACEMENT		4825			
PAVEMENT STRUCTURE VOLUME	54794 CY				

SUMMARY OF REMOVAL AND REPLACEMENT OF CONTINUOUSLY REINFORCED CONCRETE PAVEMENT

IN SQUARE YARDS

LOCATION	MILEPOST TO MILEPOST	LOCATION	SQ. YDS.	NO.# OF PUNCHOUT	TOTAL REPAIRS AND REMOVAL (SQ. YDS.)
EBL	175.00 TO 176.00	VARIABLE	10.67	3	32.00
EBL	176.00 TO 177.00	VARIABLE	10.67	2	21.34
EBL	177.00 TO 178.00	VARIABLE	10.67	7	74.69
EBL	178.00 TO 179.00	VARIABLE	10.67	5	53.35
EBL	179.00 TO 179.60	VARIABLE	10.67	2	21.34
WBL	175.00 TO 176.00	VARIABLE	10.67	8	85.36
WBL	176.00 TO 177.00	VARIABLE	10.67	3	32.00
WBL	177.00 TO 178.00	VARIABLE	10.67	11	117.37
WBL	178.00 TO 179.00	VARIABLE	10.67	0	0
TOTAL					437.45
SAY					450.00

SUMMARY OF ASPHALT PAVEMENT REMOVAL

IN SQUARE YARDS

LINE	MILEPOST TO MILEPOST	LOCATION	SQ. YDS.
EBL	175.000 TO 179.600	OUTSIDE	26986.67
WBL	175.000 TO 179.600	OUTSIDE	26986.67
EBL	175.000 TO 179.600	MEDIAN	10794.67
WBL	175.000 TO 179.600	MEDIAN	10794.67
TOTAL			75562.68
SAY			75600.00

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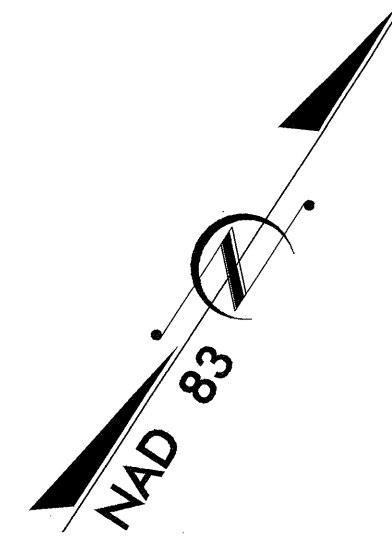
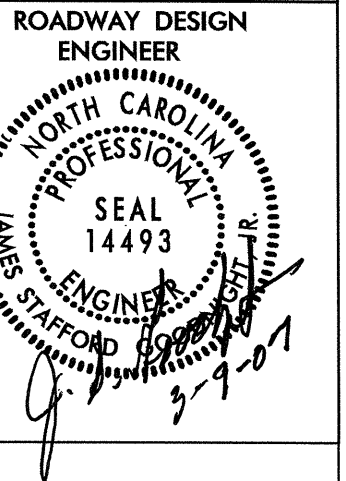
PROJECT REFERENCE NO. SHEET NO.
 1-3600 3-B
 RW SHEET NO.

SHOULDER DRAIN SUMMARY

SURVEY LINE	M.POST-M.POST	LOCATION	4" PERFOR. PIPE (FT.)	SHOULDER DRAINS (FT.)	OUTLET 4" PIPE (FT.)	OUTLET STRUCTURE	
						DRAINAGE STRUCTURE	CONCRETE PAD
I-3600							
-L-	174.922 - 175.065	MEDIAN, RT	759	759	26	DI	
					26	DI	
-L-	175.189 - 175.511	OUTSIDE, RT	1700	1700	24		1
					24		1
					72		1
					24		1
					24	DI	
-L-	175.747 - 176.315	OUTSIDE, RT	3000	3000	24		1
					58		1
					48		1
					24		1
					24	DI	
					24	DI	
					24		1
					24		1
					24		1
-L-	176.656 - 176.806	OUTSIDE, RT	790	790	16	CB	
					24	JB	
-L-	176.978 - 177.234	OUTSIDE, RT	1350	1350	24	DI	
					24		1
					24	DI	
-L-	177.471 - 177.736	OUTSIDE, RT	1400	1400	47		1
					44		1
					34		1
					16	DI	
-L-	177.797 - 178.011	OUTSIDE, RT	1130	1130	42		1
					24	DI	
					24	DI	
-L-	178.077 - 178.181	OUTSIDE, RT	950	950	24	DI	
					36		1
					40		1
-L-	178.333 - 178.740	OUTSIDE, RT	2150	2150	16	DI	
					16	DI	
					36		1
					60		1
					34		1
					61		1
-L-	178.910 - 179.327	OUTSIDE, RT	2200	2200	69		1
					16		1
					16	DI	
					10	DI	
					58		1
					38		1
-L-	179.478 - 179.592	OUTSIDE, RT	600	600	22		1
-L-	175.001 - 175.141	OUTSIDE, LT	740	740	15	DI	
					14	CB	
-L-	175.198 - 175.368	OUTSIDE, LT	900	900	35		1
					55		1
					136		1
-L-	175.558 - 176.126	OUTSIDE, LT	3000	3000	124		1
					99		1
					52		1
					65		1
					63		1
					54		1
					16	DI	
					16	DI	
					16	DI	
-L-	176.202 - 176.372	OUTSIDE, LT	900	900	30		1
					40		1
					26		1

SURVEY LINE	M.POST-M.POST	LOCATION	4" PERFOR. PIPE (FT.)	SHOULDER DRAINS (FT.)	OUTLET 4" PIPE (FT.)	OUTLET STRUCTURE	
						DRAINAGE STRUCTURE	CONCRETE PAD
I-3600							
-L-	176.637 - 176.707	OUTSIDE, LT	368	368	16	DI	
-L-	176.978 - 177.225	OUTSIDE, LT	1300	1300	32	DI	
					16	DI	
					16	DI	
					16	DI	
-L-	177.410 - 177.992	MEDIAN, LT	2907	2907	26	DI	
					26	DI	
					26	DI	
					26	DI	
					26	DI	
					26	DI	
-L-	178.077 - 178.325	MEDIAN, LT	1310	1310	26	DI	
					26	DI	
-L-	178.342 - 178.645	OUTSIDE, LT	1600	1600	16	DI	
					28		1
					54		1
					44		1
					30		1
-L-	179.043 - 179.384	OUTSIDE, LT	1800	1800	16	DI	
					16	DI	
					38		1
					74		1
					118		1
-L-	179.478 - 179.600	OUTSIDE, LT	644	644	114		1
					56		1
TOTALS			31,498	31,498	3205		48
SAY			31,500	31,500	3220		49

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BEGIN TIP PROJECT I-3600 M.P. 175.00

END TIP PROJECT I-3600 M.P. 179.60

