

6" MINIMUN EMBEDMEN1

NV/AV/A

FOR DEPT

' - SEE TABLE
EXCAVATION [

<u>, "D"</u>



NOTES

MATERIAL WITH SEALANT FOR SOUND BARRIER WALL, SEE SPECIAL PROVISIONS.

CONSTRUCT SOUND BARRIER WALL TO LINES AND GRADES SHOWN ON THE ROADWAY PLANS. PROVIDE PANELS WITH A FLAT BOTTOM.

VERIFY THE LOCATION OF UNDERGROUND UTILITIES BEFORE DRILLING HOLES TO ENSURE SUFFICIENT CLEARANCE IS AVAILABLE.

ADJUST PILE EXCAVATION ELEVATIONS TO MAINTAIN 6"MINIMUM EMBEDMENT OF THE

USE CLASS AA FOR PANELS AND CLASS A CONCRETE PILE EXCAVATION BACKFILL, IN ACCORDANCE WITH ARTICLE 1000-4 OF THE STANDARD SPECIFICATIONS.

AT THE CONTRACTOR'S OPTION, USE 10'-0", 15'-0", OR 20'-0" PILE SPACINGS.STANDARD PRECAST CONCRETE PANELS MAY BE USED WITH THE 10'-0" AND 15'-0" PILE SPACING.FOR 20'-0" PILE SPACING, PANELS DESIGNED AND MANUFACTURED BY A THIRD PARTY VENDER SHALL BE USED.

PLACE 1" Ø BACKER RODS FULL HEIGHT ON EACH SIDE OF THE PRECAST PANELS.SET AND SEAL THE BACKER ROD IN PLACE WITH SEALANT THAT CONFORMS WITH ARTICLE 1028-3 OF THE STANDARD SPECIFICATIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR ADDITIONAL SOUND BARRIER WALL DETAILS, SEE ROADWAY DRAWINGS.

SINGLE FACED CONCRETE BARRIER RAIL NOT SHOWN IN ELEVATION VIEW FOR CLARITY.FOR BACKFILL TREATMENT AT BARRIER RAIL, SEE "SOUND WALL BACKFILL DETAIL" AND

FOR LIMITS OF THE SINGLE FACED CONCRETE BARRIER RAIL, SEE ROADWAY DRAWINGS.

FOR SOUND BARRIER WALL STATIONS, OFFSETS, AND WALL ENVELOPE, SEE ROADWAY PLANS.

IF OF	RCING STE RE = 20 PSF	EEL (0′< H ≤ 14′): 2	25	PSF	(14′< H	≤ 25′)]
		PILE	T	YPE]	II					1
	PILE SPACINO	MAXIMUM WA	ALL)	REINF	/ERTIC/ ORCING	AL Steel	_	TIES		1
CTS.	10'-0"	H ≤ 25′		3 - #9 4 - #9	SHORT 9 LONG	FACE FACE	#3 @	D 1'-4"CT	S.	Ţ
CTS.	15/-0"	H ≤ 20′		3 - #9 4 - #9	SHORT 9 LONG	FACE FACE	#3 @	D 1'-4"CT	S.	1
CTS.	15-0	20′ < H ≤ 25	5′	3 - #1 4 - #1	L SHORT 1 LONG	FACE FACE	#3 @	D 1'-4"CT	S.	
CTS.	20'-0"	H ≤ 20′		3 - #1(4 - #1) SHOR 0 LON(T FACE FACE	#3 @	D 1'-4″CT	S.	
		PILE T	YP[E III	ALT.					1
	PILE SPACINO	MAXIMUM WA	ALL)	REINF	/ERTIC/ ORCING	AL Steel	_	TIES		-
CTS.	10'-0"	H ≤ 25′		3 - #9 4 - #	9 SHOR 9 LONC	T FACE FACE	#3 @	D 1′−4″CT	S.	
CTS.	15/-0"	H ≤ 20'		3 - #9 4 - #	9 SHOR 9 LONC	T FACE 5 FACE	#3 @	D 1'-4"CT	S.]
CTS.	15-0	20′ < H ≤ 25	;	3 - #1 4 - #	1 SHOR 11 LONC	T FACE G FACE	#3 @	D 1'-4"CT	S.	
CTS. CTS.	20'-0"	H ≤ 20'		3 - #1(4 - #1) SHOR 0 LON(T FACE G FACE	#3 @	D 1'-4″CT	S.	
	I	F	PR	OJEC	T N	0	R-2	2707D		J
1 1	87,214 S.F. 142,870 S.F.	-	<u>т</u>	<u> </u>		<u>EVEL</u> 692	<u>ANE</u> +50) C		UNTY -
MATE ′•	AND ARE		S I	ET 1)in:)f 4	052				
	ATMENT RY STACK DR 30450			DEPA	RTMEN	STATE OF N	ORTH CAF TRA LEIGH	ROLINA NSPORT	ΑT	ION
	THE SECTOR	CARO/ ESS/OV. SEAL 54498 GINEL S POOL		SOL	JND	STAN	NDA RRI	rd Er V	V /	4 L L
	4/1	€000 4 5/267273 764646B		PV	RE	VISIONS		0.475		SHEET NC
	DOCUMENT NO FINAL UN SIGNATURES	CONSIDERED LESS ALL COMPLETED	<u>1</u>	DI:	DATE:	3	BI:	DATE:		TOTAL SHEETS 4

STD. NO. SBW1





QUAN	NTITIES	S F	OR	ONE	PR	ECAST	PANE	EL	(FO	R 1	0'-0	"PII	_E SP	ACING	;)
	CLASS AA							BAR	ΤYΡ	ES					
HETGHT	CONCRETE			Н	ORIZO	NTAL						VER	TICAL		
	C.Y.	NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT	(IP)	NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT	(IP)
2'-0"	0.22	3	H1	#4	STR	8'-8"	17		11	V1	#4	STR	1'-8"	12	
3'-0"	0.33	4	H2	#4	STR	8'-8"	23		11	V2	#4	STR	2'-8"	20	
4'-0"	0.44	5	Н3	#4	STR	8'-8"	29		11	٧3	#4	STR	3′-8″	27	
QUAI	NTITIES	S F	OR	ONE	PR	ECAST	- Pane	ΞL	(FO	R 1	5'-0	"PIL	E SP	ACING	;)
	CLASS AA							BAR	ΤΥΡ	ES					
HFTGHT	CONCRETE			Н	ORIZO	NTAL						VER	TICAL		
	C.Y.	N0.	BAR	SIZE	TYPE	LENGTH	WEIGHT	(IP)	NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT	(ID)
3'-0"	0.52	5	H1	#4	STR	13′-8″	46		16	V1	#4	STR	2'-8"	29	
4'-0"	0.69	6	H2	#4	STR	13′-8″	55		16	٧2	#4	STR	3′-8″	39	
5'-0"	0.86	7	H3	#4	STR	13′-8″	64		16	٧3	#4	STR	4'-8"	50	
6'-0"	1.04	8	H4	#4	STR	13'-8"	73		16	V4	#4	STR	5'-8"	61	





10



STD.NO.SBW2



PROPOSED DEVICES FOR LIFTING PILES, RECESS DETAILS, AND PATCHING MATERIAL SHALL BE DETAILED IN SHOP DRAWINGS. AFTER ATTACHMENTS HAVE BEEN REMOVED, OPENINGS SHALL BE REPAIRED SUCH THAT THE APPEARANCE OF THE PILE IS UNIFORM. WHERE CAST-IN-PLACE LIFTING DEVICES ARE NOT USED, PICK-UP POINTS TO BE INDICATED WITH A BLACK MARK 2"WIDE. THE SLIP-FORM METHOD OF CASTING PILES WILL NOT BE PERMITTED.

QUAN	TITIES FO	DR ONE PF	RECAST C	CONCRETE	PILE
LENGTH	APPROX.	ONE PICK	TWO PICK	-UP POINT	
	TONS	0.300L	0.700L	0.207L	0.586L
10'-0''	1.56	3'-0''	7'-0''		
15′-0′′	2.35	4'-6''	10'-6''		
20'-0''	3.14	6'-0''	14'-0''		
25'-0''	3.93	7'-6''	17'-6''		
30'-0''	4.70	9'-0''	21'-0''		
35'-0''	5.49	10'-6''	24'-6''		
40'-0''	6.28	12'-0''	28'-0''		
45'-0''	7.05	13'-6''	31'-6''		
50'-0''	7.84	15'-0''	35'-0''		
55'-0''	8.63			11'-4 ¹ /2''	32'-3''
60'-0''	9.42			12'-5''	35'-2''



STD.NO.SBW3

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BEGIN WALL	FND WALL	PILE EXCAVATION DEPTHS, "D" (FT)					
STATION (NW3A)	STATION (NW3A)	PILE SPACING = 10 FT	PILE SPACING = 15 FT	PILE SPACING = 20 FT			
10+00	10+15	8	9	10			
10+15	12+70	9	10	12			
12+70	13+90	9	10	11			
13+90	15+70	8	9	10			
15+70	16+90	9	10	11			
16+90	17+35	9	10	12			
17+35	18+40	10	11	13			
18+40	19+90	8	9	10			
19+90	21+55	10	11	13			
21+55	22+90	9	10	12			
22+90	24+55	9	10	11			
24+55	27+40	10	11	13			
27+40	27+70	9	10	11			
27+70	28+45	8	9	10			
28+45	29+50	9	10	12			
29+50	30+70	9	10	11			
30+70	32+20	9	10	11			
32+20	43+00	8	9	10			
43+00	44+65	10	11	13			
44+65	56+95	8	9	10			

PILE EXCAVATION DEPTHS - SOUND BARRIER WALL 3A

 BEGIN AND END WALL STATIONS ARE REFERENCED TO THE NW3A ALIGNMENT.SEE ROADWAY PLANS FOR ADDITIONAL INFORMATION.
 STATIONS ARE TO THE ROADWAY FACE OF THE SOUND BARRIER WALL CONCRETE PILES.

		CLEV	/ELAND		UNTY
	STATI	DN:6	592+50	.00 -L	-
	SHEET 4	OF 4			
TH CAROLINA	DEPA	RTMENT S	TE OF NORTH CAR	olina NSPORTA RD	TION
SEAL 054498	SOL P	JND E ILE E C	BARRI Excav Depth:	ER W. 'ATIO S	ALL N
4/14 ⁵ ∕2€72 ^{73764646B}		REVI	SIONS	DATE	SHEET NO. NW3A-4
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	1	DATE:	аранананананананананананананананананана		TOTAL SHEETS 4
				1	

PROJECT NO. R-2707D

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NOTES:

FOR MECHANICALLY STABILIZED EARTH (MSE) RETAINING WALLS, SEE MECHANICALLY STABILIZED EARTH RETAINING WALLS PROVISION. FOR SINGLE FACED PRECAST CONCRETE BARRIER, SEE ROADWAY PLANS AND SECTION 857 OF THE STANDARD SPECIFICATIONS. A CONCRETE BARRIER RAIL WITH MOMENT SLAB IS REQUIRED ABOVE RETAINING WALL NO.1. SEE PLANS FOR CONCRETE BARRIER RAIL WITH MOMENT SLAB DETAILS. AT THE CONTRACTOR'S OPTION, USE FINE AGGREGATE IN THE REINFORCED ZONE OF RETAINING WALL NO.1. A SEPARATION GEOTEXTILE IS NOT REQUIRED AT THE BACK OF THE REINFORCED ZONE FOR RETAINING WALL NO.1. A DRAIN IS NOT REQUIRED FOR RETAINING WALL NO.1.

BEFORE BEGINNING MSE WALL DESIGN FOR RETAINING WALL NO.1, SURVEY WALL LOCATION AND SUBMIT A REVISED WALL PROFILE VIEW (WALL ENVELOPE)FOR REVIEW. DO NOT START WALL DESIGN OR CONSTRUCTION UNTIL THE REVISED WALL ENVELOPE IS ACCEPTED. DESIGN RETAINING WALL NO.1 FOR THE FOLLOWING: 1) DESIGN HEIGHT (H) = WALL HEIGHT + WALL EMBEDMENT

2) DESIGN LIFE = 100 YEARS 3) MAXIMUM FACTORED VERTICAL PRESSURE ON FOUNDATION MATERIAL = 2,750 PSF 4) MINIMUM REINFORCEMENT LENGTH (L) = 0.8H OR 6 FT, WHICHEVER IS LONGER 5) MINIMUM EMBEDMENT DEPTH = 1 FT

6) REINFORCED ZONE AGGREGATE PARAMETERS:

AGGREGATE TYPE*	UNIT WEIGHT (y) PCF	FRICTION ANGLE (q) Degrees	COHESION (c) PSF
COARSE	110	38	0
FINE	115	34	0

*SEE MSE RETAINING WALLS PROVISION FOR COARSE AND FINE AGGREGATE MATERIAL REQUIREMENTS.

7) IN-SITU ASSUMED MATERIAL PARAMETERS:

MATERIAL TYPE	UNIT WEIGHT (_{y)} PCF	FRICTION ANGLE (\$) DEGREES	COHESION (c) PSF
RETAINED	120	30	0
FOUNDATION	115	28	0

DESIGN RETAINING WALL NO.1 FOR A LIVE LOAD (TRAFFIC) SURCHARGE.

EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, GUARDRAIL, FENCE OR HANDRAIL POSTS, PAVEMENTS, PIPES, INLETS OR UTILITIES MAY INTERFERE WITH REINFORCEMENT FOR RETAINING WALL NO.1.

DO NOT PLACE LEVELING PAD CONCRETE, AGGREGATE OR REINFORCEMENT FOR RETAINING WALL NO.1 UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIAL ARE APPROVED. AT THE CONTRACTOR'S OPTION, "TEMPORARY SHORING FOR WALL CONSTRUCTION" MAY BE USED TO CONSTRUCT RETAINING WALL NO.1. SEE MSE RETAINING WALLS PROVISION FOR TEMPORARY SHORING FOR WALL CONSTRUCTION.

PREPARED BY: STEPHEN CROCKETT	DATE: 1/13/23
REVIEWED BY: JEREMY HAMM	DATE: 1/13/23

CIP UNREINFOR Concrete leveling f

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NORTH CAROLINA ENT OF TRANSPORTATION	PROJECT NO.: R-2707D CLEVELAND COUNTY STATION: -Y4- 16+00.00 SHEET 4 OF 5 WALL ID RW1 MSE WALL WITH PANELS NOTES
	PROJECT NO.: <u>R-2707D</u> <u>CLEVELAND</u> COUNTY
VLLING FAU SIEF	
PRECAST PANE	ELS Detati
6"MIN S RCED 6"MIN PAD	STEP TOP OF LEVELING PAD SO REINFORCEMENT LAYERS BETWEEN ADJACENT PRECAST PANELS ARE ALIGNED AS SHOWN
- PRECAST CONCRETE PANEL (TYP)	REINFORCEMENT LAYER (TYP)
	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
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GEOTECHNICAL

ENGINEER

SEAL

048207

ENGINEER

CONCRETE BARRIER RAIL WITH MOMENT SLAB	
PAY LENGTH = 290 LIN FT	

STRUCTURE

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	CONTROL POINT STATIONS, OFFSETS & ELEVATIONS										
								TYPE T2 WALL PANEL DATA			
	CONTROL	POINT 1		CONTROL POINT 2			PANEL I.D.	APPROX. PANEL	ELEV.F		
ALIGNMENT	STATION	OFFSET	ELEV.T	ALIGNMENT	STATION	OFFSET	ELEV.B		LENGTH		
-RAMP_A-	47+00.00	33.83 FT.	775.22 FT.	-Y4-	10+99.36	44.25 FT.	770.93 FT.				
-RAMP_A-	47+25.00	33.83 FT.	775.52 FT.	-Y4-	11+13.43	31.28 FT.	771.60 FT.	А	25.00 FT.	769.34	
-RAMP_A-	47+50.00	33.83 FT.	775.78 FT.	-Y4-	11+30.71	22.82 FT.	772.12 FT.	В	25.00 FT.	770.02	
-RAMP_A-	47+75.00	33.83 FT.	775.91 FT.	-Y4-	11+50.66	20.17 FT.	772.24 FT.	С	25.00 FT.	770.54	
-RAMP_A-	48+00.00	33.83 FT.	776.04 FT.	-Y4-	11+75.66	20.17 FT.	772.39 FT.	D	25.00 FT.	770.66	
-RAMP_A-	48+25.00	33.83 FT.	776.21 FT.	-Y4-	12+00.66	20.17 FT.	772.56 FT.	E	25.00 FT.	770.81	
-RAMP_A-	48+50.00	33.83 FT.	776.40 FT.	-Y4-	12+25.66	20.17 FT.	772.73 FT.	F	25.00 FT.	768.90	
-Y5-	32+50.00	33.83 FT.	776.62 FT.	-Y4-	12+50.00	20.17 FT.	773.06 FT.	G	24.34 FT.	771.15	
-Y5-	32+75.00	33.83 FT.	776.84 FT.	-Y4-	12+75.00	20.17 FT.	773.38 FT.	Н	25.00 FT.	771.48	
-Y5-	33+00.00	33.83 FT.	777.06 FT.	-Y4-	13+00.00	20.17 FT.	773.70 FT.	I	25.00 FT.	771.80	
-Y5-	33+25.00	33.83 FT.	777.27 FT.	-Y4-	13+25.00	20.17 FT.	774.00 FT.	J	25.00 FT.	772.12	
-Y5-	33+50.00	33.83 FT.	777.48 FT.	-Y4-	13+50.00	20.17 FT.	774.29 FT.	K	25.00 FT.	772.42	
-Y5-	33+75.00	33.83 FT.	777.68 FT.	-Y4-	13+75.00	20.17 FT.	774.57 FT.	L	25.00 FT.	772.71	
-Y5-	34+00.00	33.83 FT.	777.87 FT.	-Y4-	14+00.00	20.17 FT.	774.84 FT.	М	25.00 FT.	772.99	
-Y5-	34+25.00	33.83 FT.	778.06 FT.	-Y4-	14+25.00	20.17 FT.	775.09 FT.	Ν	25.00 FT.	773.26	
-Y5-	34+50.00	33.83 FT.	778.25 FT.	-Y4-	14+50.00	20.17 FT.	775.34 FT.	0	25.00 FT.	773.51	
-Y5-	34+75.00	33.83 FT.	778.44 FT.	-Y4-	14+75.00	20.17 FT.	775.57 FT.	Р	25.00 FT.	773.76	
-Y5-	35+00.00	33.83 FT.	778.64 FT.	-Y4-	15+00.00	20.17 FT.	775.76 FT.	Q	25.00 FT.	773.99	
-Y5-	35+25.00	33.83 FT.	778.86 FT.	-Y4-	15+25.00	20.17 FT.	775.90 FT.	R	25.00 FT.	774.18	
-Y5-	35+50.00	33.83 FT.	779.08 FT.	-Y4-	15+50.00	20.17 FT.	775.98 FT.	S	25.00 FT.	774.32	
-Y5-	35+75.00	33.83 FT.	779.31 FT.	-Y4-	15+75.00	20.17 FT.	776.01 FT.	Y	25.00 FT.	774.40	
-Y5-	36+00.00	33.83 FT.	779.54 FT.	-Y4-	16+00.00	20.17 FT.	775.99 FT.	U	25.00 FT.	774.41	

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ELEV.768.90

NOTES:

 $\frac{1}{2}$ " expansion joint shall be placed between modified type t2 BARRIER WALL PANELS.

ALL CONCRETE IN BARRIER WALL FOOTING AND BARRIER WALL SHALL BE CLASS AA.

GROOVED CONTRACTION JOINTS, $\frac{1}{2}^{\prime\prime}$ IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED SURFACES OF THE BARRIER WALL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. A CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER WALL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MID-POINT OF BARRIER WALL SEGMENTS LESS THAN 20' IN LENGTH.

*SEE ROADWAY PLANS FOR MODIFIED TYPE T2 LAYOUT AND LIMITS. FOR PAYMENT OF MODIFIED TYPE T2 BARRIER SEE ROADWAY DRAWINGS.

(A) AGGREGATE SHOULDER DRAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 816.02. DRAIN SHALL OUTLET INTO ROADWAY DRAINAGE STRUCTURES OR DAYLIGHT @ END OF WALL.

(B) #5 B2 BARS MAY BE REPOSITIONED SLIGHTLY AS NECESSARY TO FACILITATE PLACEMENT OF "S" BARS IN THE FOOTING. CONTRACTOR SHALL FIELD VERIFY CONTROL POINT STATIONS, OFFSETS, AND ELEVATIONS PRIOR TO THE START OF WALL CONSTRUCTION.

VERTICAL AND HORIZONTAL BARS IN PANEL F MAY BE REPOSITIONED TO CLEAR THE DRAIN PIPE PENETRATION @ -RAMP A- STA.48+40.

BILL	OF MA	TERIAL	FOR (one pan	iel 🛆
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	20	#5	STR.	23'-11"	499
B2	23	#5	STR.	23'-11"	574
G1	24	#6	3	10'-1"	363
G2	24	#6	STR.	9'-0"	324
S1	24	#5	1	7'-7"	190
S2	24	#5	2	6'-3"	156
S3	24	#5	3	6'-6"	163
S4	24	#5	STR.	7'-8"	192
S5	24	#4	4	1'-11"	31
TOTAL (FOR	_ REINFOR SINGLE PA	CING STEE (NEL)	EL		2,492 LB
\sim	MODIFI	FD TYPF ⁻	12 BARRTE	R PANFI G	
FF	ROM -Y4-S	TA. 12+25.0	56 TO STA	12+50.00	
BILL	OF MA	ATERIA	L FOR	ONE PA	NEL 🗆
BAR	NO	ST7F	TYPE	LENCTH	WEICHI
DAN	NO.	JIZL		LLINGTH	WLIGHT
B1	26	#5	STR	24'-7"	667
B2	23	#5	STR	24'-7"	590
02					
G1	25	#6	3	10'-1"	379
<u> </u>	25	#6	STR	9'-0"	378
		0		5 0	
S1	25	#5	1	7'-7"	198
<u>54</u>	25	#5	STR.	7'-8"	200
<u>55</u>	25	#4	4	1'-11"	.32
56	25	#5	2	8'-4"	217
S7	25	#5	3	7'-9"	202
ΤΟΤΛΙ	RETNEOR	L – – – CING STEF	<u> </u>		
(FOR	SINGLE PA	NEL)	- L-		2,823 LB
	🗆 MODIF	IED TYPE	T2 BARRI	ER PANEL F	-
-		• • • • • •		o = · · · · · ·	~ ~
I	-Y4-	STA.12+0	0.66 TO	STA.12+25.0	66
ł	-ROM -Y4-	• STA.12+(0.66 TO	STA.12+25.0	66

MODIFIED	TYPE	T2	BARRIER	RAI	L
PAY LENGT	H =		525	LIN	FΤ

	🗠 CLASS AA	CONCRETE BR	REAK-DOWN	
△△ MODIFIED FROM -Y4-STA.	TYPE T2 BARRIER P 12+25.66 TO STA.12-	ANEL G 🛛 MODI +50.00 FROM -Y	FIED TYPE T2 B 4-STA.12+00.66	BARRIER PANEL F TO STA.12+25.66
PANEL I.D.	FROM -Y4- STA.	TO -Y4- STA.	POUR 1	POUR 2
F	12+00.66	12+25.66	13.1 CY	20.6 CY
G	12+25.66	12+50.00	12.8 CY	15.0 CY

△ CLASS AA CONCRETE BREAK-DOWN						
△ ALL MODIFIED TYPE T2 BARRIERS PANELS EXCEPT FROM -Y4-STA.12+00.66 TO STA.12+50.00						
PANEL I.D.	FROM -Y4- STA.	TO -Y4- STA.	POUR 1	POUR 2		
Α	10+99.36	11+13.43	13.1 CY	16.7 CY		
В	11+13.43	11+30.71	13.1 CY	15.9 CY		
С	11+30.71	11+50.66	13.1 CY	15.2 CY		
D	11+50.66	11+75.66	13.1 CY	15.2 CY		
E	11+75.66	12+00.66	13.1 CY	15.2 CY		
Н	12+50.00	12+75.00	13.1 CY	15.2 CY		
I	12+75.00	13+00.00	13.1 CY	15.0 CY		
J	13+00.00	13+25.00	13.1 CY	14.8 CY		
K	13+25.00	13+50.00	13.1 CY	14.7 CY		
L	13+50.00	13+75.00	13.1 CY	14.5 CY		
M	13+75.00	14+00.00	13.1 CY	14.4 CY		
N	14+00.00	14+25.00	13.1 CY	14.2 CY		
0	14+25.00	14+50.00	13.1 CY	14.1 CY		
P	14+50.00	14+75.00	13.1 CY	14.0 CY		
Q	14+75.00	15+00.00	13.1 CY	13.9 CY		
R	15+00.00	15+25.00	13.1 CY	13.9 CY		
S	15+25.00	15+50.00	13.1 CY	14.1 CY		
Y	15+50.00	15+75.00	13.1 CY	14.3 CY		
U	15+75.00	16+00.00	13.1 CY	14.7 CY		

CLASS AA CONCRETE SUMMARY

		1
	POUR 1	POUR 2
TOTAL CLASS AA CONCRETE (ALL PANELS EXCEPT F & G)	248.9 CY	280.0 CY
TOTAL CLASS AA CONCRETE (PANELS F & G)	25.9 CY	35.6 CY
TOTAL CLASS AA CONCRETE	274.8 CY	315.6 CY
COMBINED TOTAL CLASS AA CONCRETE		590.4 CY

BILL	OF MA	TERIAL	_ FOR	ONE PA	NEL 🛆
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	20	#5	STR.	24'-7"	513
B2	23	#5	STR.	24'-7"	590
G1	25	#6	3	10'-1"	379
G2	25	#6	STR.	9'-0"	338
S1	25	#5	1	7'-7"	198
S2	25	#5	2	6'-3"	163
S3	25	# 5	3	6'-6"	169
S4	25	# 5	STR.	7'-8"	200
S5	25	#4	4	1'-11"	32
TOTAL REINFORCING STEEL (FOR SINGLE PANEL) 2,582 L					2,582 LB

△ ALL MODIFIED TYPE T2 BARRIERS PANELS EXCEPT FROM -Y4-STA. 12+00.66 TO STA. 12+50.00

	PROJE	CT NO.		<u>R-2</u>	707D			
		CLEV	<u>'E</u>	LAND	CO	UNTY		
	STATI	0N:	<u>- Y</u>	′4- 1	6+00.0	00		
	SHEET 2	OF 2						
	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH							
OFESSION SEAL 13406	MODIFIED TYPE T2 BARRIER DETAILS							
MGINEER CONT								
500 6000000	REVISIONS SHEET NO.							
NOT CONSTDERED	NO. BY:	DATE:	N0.	BY:	DATE:	W 7		
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DOCUMENT

FINAL

SIGNATURES COMPLETED