COMPUTED BY: C.M. DZIWANOWSKI DATE: DECEMBER 9, 2021
CHECKED BY: A.F. RIGGS, JR., PE DATE: DECEMBER 9, 2021

(12-17-19)

PROJECT NO.	SHEET NO.
I-5987A	3G-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
-L-	67+00	89+50	CL	SD	2300
-L-	89+50	109+00	LT/CL/RT	SD	5900
-L-	123+00	128+50	LT	SD	600
-L-	128+50	132+00	LT/RT	SD	700
-L-	189+00	215+00	LT/CL/RT	SD	7800
-L-	215+00	230+00	LT	SD	1500
-L-	237+00	247+00	LT	SD	1000
-L-	253+00	267+00	LT/CL	SD	2800
-L-	267+00	286+00	LT/CL/RT	SD	5700
-L-	290+00	303+00	LT/CL/RT	SD	2600
-L-	320+00	326+00	LT/CL/RT	SD	1800
-L-	326+00	332+00	RT	SD	600
-L-	343+50	347+00	RT	SD	400
-L-	357+00	364+50	LT/RT	SD	1500
-L-	368+50	390+00	LT/CL/RT	SD	6500
-L-	414+00	440+00	LT/CL/RT	SD	7800
-L-	467+00	495+00	LT/CL/RT	SD	8500
-Y2-	12+15	15+00	LT/RT	SD	600
-Y2-	15+00	19+50	LT	SD	500
-Y2-	37+00	38+00	RT	SD	100
-Y2-	38+00	39+00	LT/RT	SD	200
-Y1A-	17+65	25+50	LT/RT	SD	1600
-Y1A-	25+50	31+50	LT	SD	600
-Y1A-	52+00	56+35	LT/RT	SD	900
-Y1ARPA-	10+00	19+00	LT/RT	SD	1800
-Y1ARPB-	10+00	14+50	LT/RT	SD	900
-Y1ARPC-	10+00	16+00	LT/RT	SD	1200
-SR2-	17+60	27+00	LT/RT	SD	2000
-SR2-	39+00	44+50	LT/RT	SD	1100
-Y3-	16+50	20+50	LT/RT	SD	800
-Y3-	40+00	43+50	LT/RT	SD	700
CONTINGENCY					5000
				TOTAL LF:	76000

*UD = Underdrain
*BD = Blind Drain
*SD = Subsurface Drain

SUMMARY OF SETTLEMENT GAUGES

Gauge No.	LINE and Station	Offset	
		Distance FT	Direction LT/RT
1	40+24 -Y1A-	28	LT
2	40+15 -Y1A-	27	RT
3	39+99 -Y1A-	28	LT
4	39+90 -Y1A-	27	RT
5	42+23 -Y1A-	27	LT
6	42+14 -Y1A-	28	RT
7	42+48 -Y1A-	27	LT
8	42+39 -Y1A-	28	RT
9	28+67 -Y2-	22	LT
10	28+63 -Y2-	21	RT
11	28+42 -Y2-	22	LT
12	28+38 -Y2-	21	RT
13	30+88 -Y2-	21	LT
14	30+84 -Y2-	22	RT
15	31+13 -Y2-	21	LT
16	31+09 -Y2-	22	RT
17	28+85 -Y3-	27	LT
18	28+39 -Y3-	18	RT
19	28+60 -Y3-	27	LT
20	28+14 -Y3-	18	RT
21	31+70 -Y3-	18	LT
22	31+24 -Y3-	27	RT
23	31+95 -Y3-	18	LT
24	31+49 -Y3-	27	RT
	TOTAL GAUGES (EACH):		24

SUMMARY OF ROCK PLATING

LINE	Beginning Slope (H:V)	Approx. Station	Ending Slope (H:V)	Approx. Station	Location LT/RT	Rock Plating Detail No. 1/2/3/4	Riprap Class* 1/2/B	Rock Plating SY
-L-	2.5:1	104+50	2.5:1	107+75	LT	3		590
-L-	2.5:1	104+25	2.5:1	112+25	RT	3		2340
-Y2-	2.75:1	23+50	2.75:1	26+50	RT	2		620
							TOTAL SY:	3550

*Use Class 1, 2 or B riprap if riprap class is not shown for rock plating location.

SUMMARY OF BRIDGE WAITING PERIODS

Bridge Description	End Bent/ Bent No.	MONTHS
-Y1A- (US 301) over -L- (I-95) STA 286+75	No.1 & No.2	4
-Y2- SR 1529 (Powersville Road) over -L- (I-95) STA 210+10	No.1 & No.2	4
-Y3- SR 1758 (McDuffie Crossing Road) over -L- (I-95) STA 463+53.11	No.1 & No.2	4