

09/05/19

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

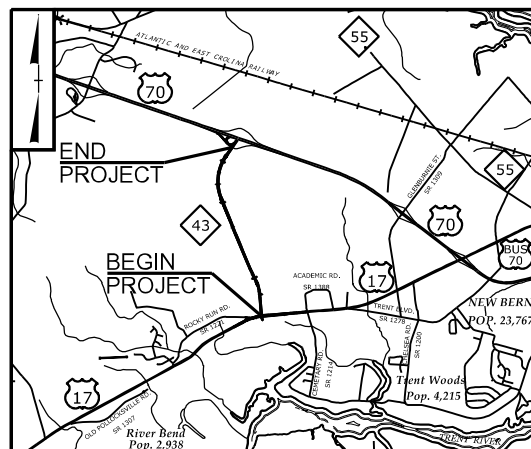
CRAVEN COUNTY

LOCATION: NC 43 CONNECTOR FROM
US 17 BUSINESS TO US 70

TYPE OF WORK: GRADING, PAVING, DRAINAGE,
SIGNALS, & CULVERT



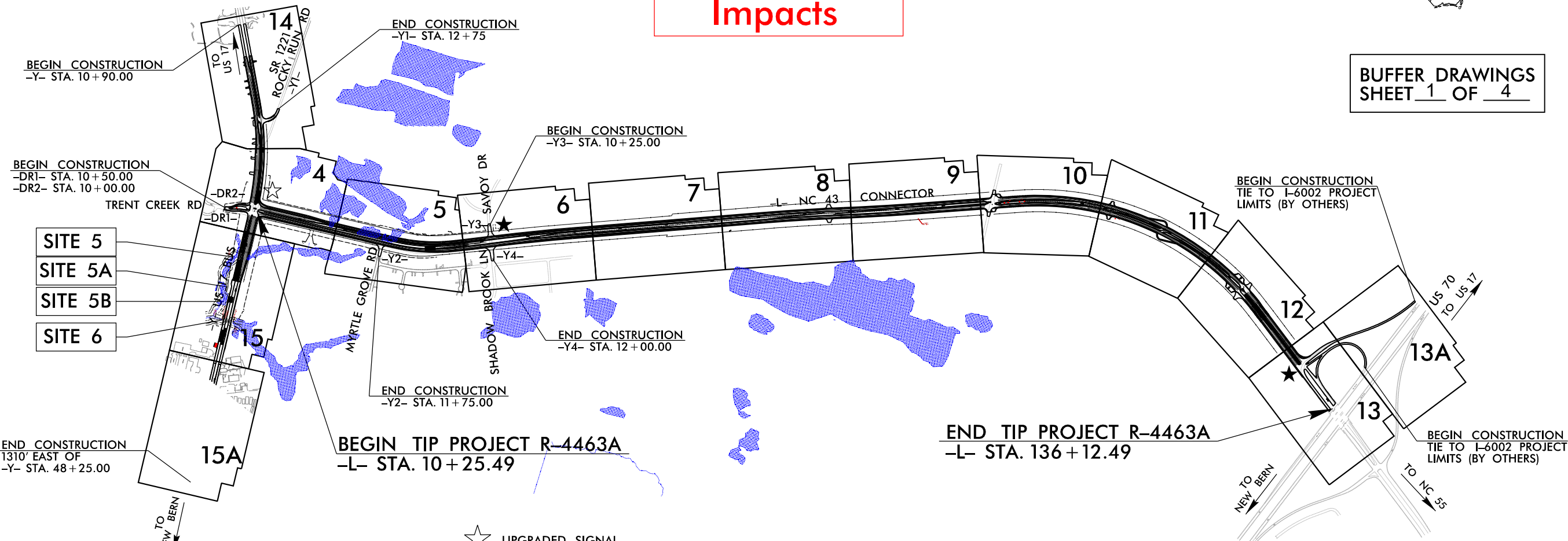
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-4463A	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
35601.1.R2		PE	
35601.2.1		ROW/UTIL	
35601.3.1		CONSTRUCTION	



VICINITY MAP

**Buffer
Impacts**

BUFFER DRAWINGS
SHEET 1 OF 4



NOTES:
THIS PROJECT HAS PARTIALLY CONTROLLED ACCESS WITH
ACCESS BEING LIMITED TO POINTS SHOWN ON THE PLANS.

- ☆ UPGRADED SIGNAL
- ★ PROPOSED SIGNAL

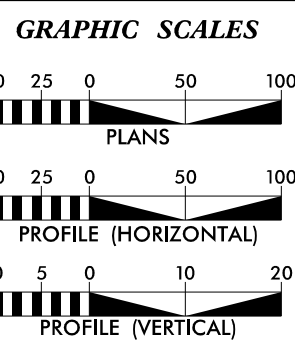
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

REVISIONS
11/2/2019: PSH 05 PARCEL OWNER NAME CHANGE; PARCEL 32
12/3/2019: PSH 05 & PSH 06 CA FENCE LOCATION CHANGE; PARCELS 4 & 8
1/16/2020: PSH 05 & PSH 06 AUE ADDED; PARCEL 8
1/16/2020: PSH 05 & PSH 06 DRIVEWAY ADDED; PARCEL 3

TIP PROJECT: R-4463A

CONTRACT: C204421

PLOT DRIVER: NCDOT_paf_color_eng_100.plt
USER: JMAS5R0C
DATE: 2/18/2020
FILE: ...R4463A_PRR_BUFFER_TSH.dgn



DESIGN DATA

ADT 2020 =	20,700
ADT 2040 =	38,900
K =	10 %
D =	55 %
T =	6 % *
V =	60 MPH
(* TTST 4% + DUAL 2%)	
FUNC CLASS =	ARTERIAL
STATEWIDE TIER	

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-4463A =	2.384 MILES
TOTAL LENGTH TIP PROJECT R-4463A =	2.384 MILES

NCDOT CONTACT: HON YEUNG
DIVISION 2 - PROJECT ENGINEER

Prepared for the
North Carolina Department
of Transportation
in the office of:

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
OCTOBER 18, 2019

LETTING DATE:
APRIL 21, 2020

PHILLIP E. ROGERS, PE
PROJECT ENGINEER

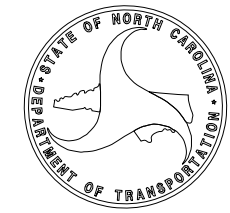
ALEXANDER D. SNIDER, PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

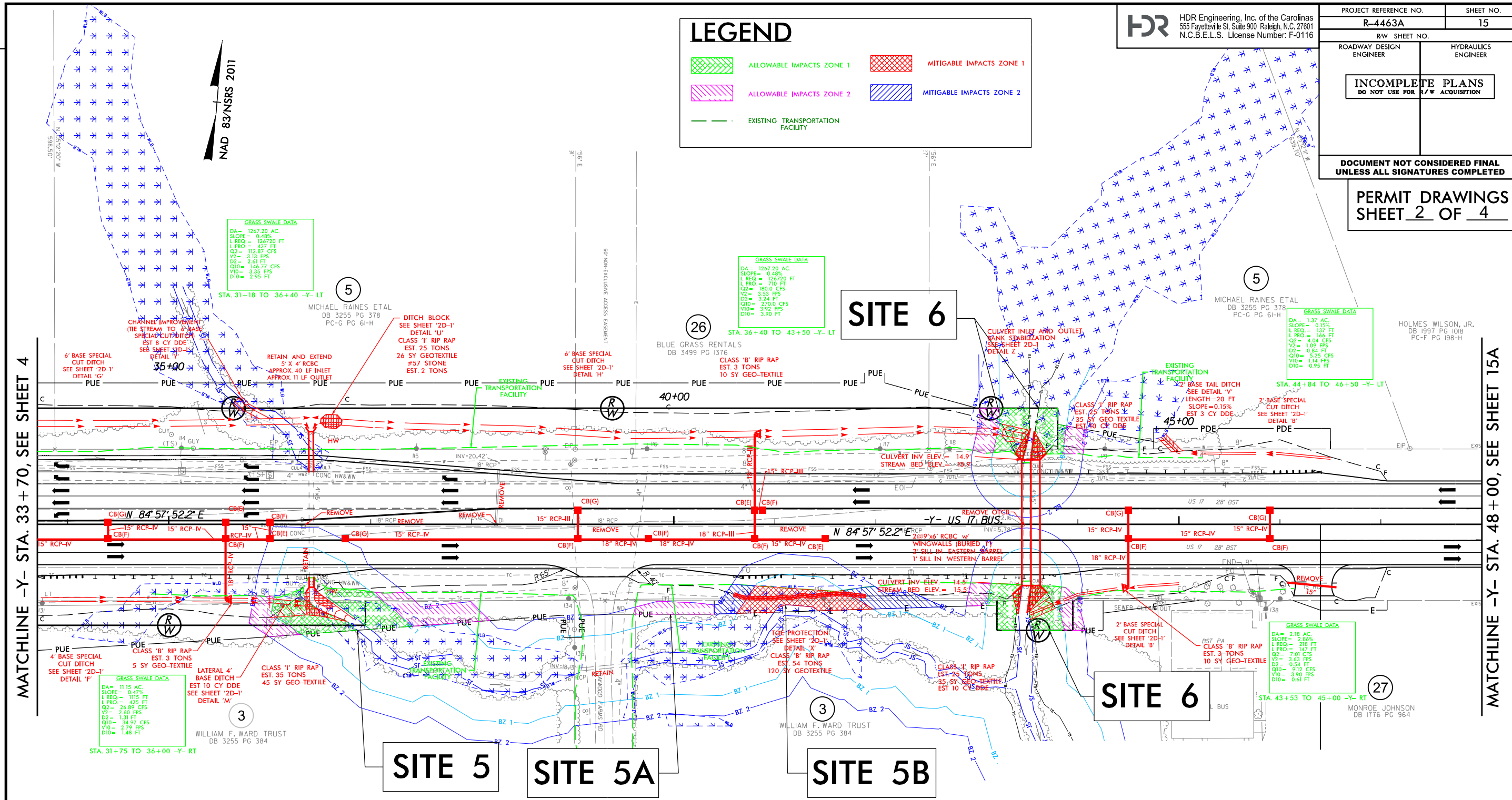


PROJECT REFERENCE NO. R-4463A	SHEET NO. 15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PERMIT DRAWINGS
SHEET 2 OF 4

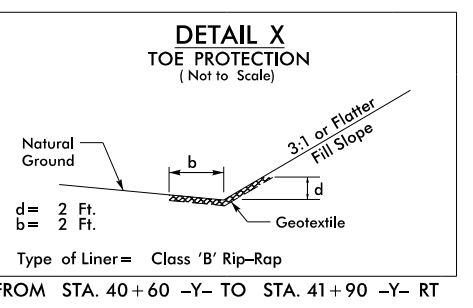
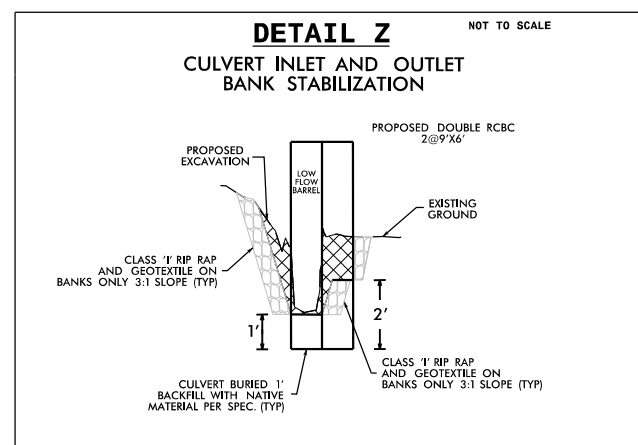
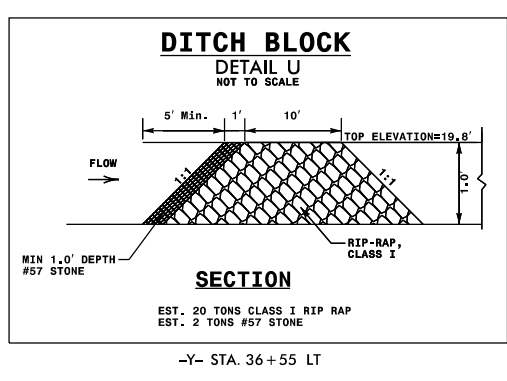
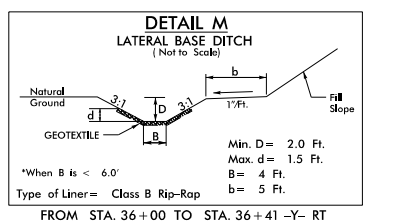
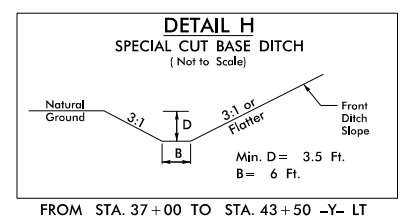
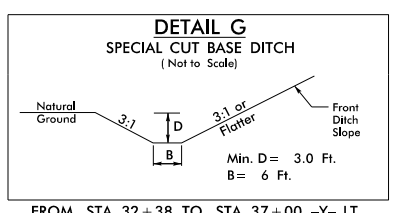
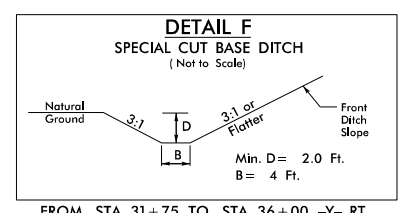
LEGEND

	ALLOWABLE IMPACTS ZONE 1		MITIGABLE IMPACTS ZONE 1
	ALLOWABLE IMPACTS ZONE 2		MITIGABLE IMPACTS ZONE 2
	EXISTING TRANSPORTATION FACILITY		



MATCHLINE -Y- STA. 33+70, SEE SHEET 4

MATCHLINE -Y- STA. 48+00, SEE SHEET 15A



PLOT DRIVER: NCDOT_color_eng_100.plt
 USER: JMASSROC
 FILE: ... \R-4463A-HYD_PRRM_PSH.dgn

REVISIONS

PENTABLE: NCDOT_permits.NCON.tbl
 TIME: 2:52:48 PM

DATE: 2/18/2020

SEE SHEET 2B-2 FOR -DET_EB- & -DET_WB- PLAN
 SEE SHEETS 22 & 23 FOR -Y- PROFILE
 SEE SHEETS C1-1 THRU C1-6 & C2-1 THRU C2-6 FOR CULVERT PLANS

RIPARIAN BUFFER IMPACTS SUMMARY

Site No.	Station (From/To)	Structure Size / Type	IMPACTS									BUFFER REPLACEMENT	
			TYPE			ALLOWABLE			MITIGABLE			ZONE 1 (ft ²)	ZONE 2 (ft ²)
			ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)		
5	35+80/38+18-Y- RT	4'x5' Cul. Ext./Roadway Fill	X			3683	3009	6691					
5A	39+62/40+40 -Y- RT	Utility Easement			X		864	864					
5B	40+40/42+67 -Y- RT	Roadway Fill			X				2264	1906	4170		
6	43+49 -Y-	2 @ 9'x6' RCBC	X			5045	2640	7685					
TOTALS*:						8728	6513	15240	2264	1906	4170	0	0

NOTES:

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 2/18/2020
 CRAVEN COUNTY
 R-4463A
 35601.1.R2
 SHEET **3** OF **4**

WETLANDS IN BUFFER IMPACTS SUMMARY

SITE NO.	STATION (FROM/TO)	STRUCTURE / Type	Size	WETLANDS IN BUFFERS	
				ZONE 1 (ft ²)	ZONE 2 (ft ²)
5	35+80/38+18 -Y-	4'x5' Culvert Ext.		1731	257
5A	39+62/40+40 -Y- RT	Utility Easement			
5B	40+40/42+67 -Y- RT	Roadway Fill		2221	472
6	43+49 -Y-	2 @ 9'x6' RCBC		2108	391
TOTAL:				6060	1119

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 2/18/2020
 CRAVEN COUNTY
 R-4463A
 35601.1.1
 SHEET 4 OF 4