

Project Submittal Interim Form

Updated September 4, 2020



*Please note: fields marked with a red asterisk * below are required. You will not be able to submit the form until all mandatory questions are answered.*

- Project Type:** *
- ☐ For the Record Only (Courtesy Copy)
 - ☐ New Project
 - ☒ Modification/New Project with Existing ID
 - ☐ More Information Response
 - ☐ Other Agency Comments
 - ☐ Pre-Application Submittal
 - ☐ Re-Issuance/Renewal Request
 - ☐ Stream or Buffer Appeal

Pre-Filing Meeting Information

Before submitting this form please ensure you have submitted the Pre-Filing Meeting Request Form as we will not be able to accept your application without this important first step. The Pre-Filing Meeting Request Form is used in accordance with 40 C.F.R. Section 121.4(a) "At least 30 days prior to submitting a certification request, the project proponent shall request a pre-filing meeting with the certifying agency" and in accordance with 40 C.F.R. Section 121.5(b)(7), and (c)(5) all certification requests shall include documentation that a pre-filing meeting request was submitted to the certifying authority at least 30 days prior to submitting the certification request. Click [here](#) to read more information on when this form is needed prior to application submission or [here](#) to view the form.

Attach documentation of Pre-Filing Meeting Request here: * R5014pref... 189.3..

Date for Meeting Request * 1/1/2021

ID# 20180839 **Version** 2

Project Contact Information

Name: NCDOT
Who is submitting the information?

Email Address: * jldilday@ncdot.gov

Project Information

Existing ID #: * 20180839 **Existing Version:** * 2
20170001 (no dashes) *1*

Project Name: * R-5014-Widening of SR1217 from dead end to US158

Is this a public transportation project? *

- ☒ Yes
- ☐ No

Is this a DOT project? *

- ☒ Yes
☐ No

Is the project located within a NC DCM Area of Environmental Concern (AEC)? *

- ☒ Yes ☐ No ☐ Unknown

TIP#:

R-5014

WBS#:

41162.1.1

(Applies to DOT projects only)

County (ies) *

Dare

Please upload all files that need to be submitted.

Click the upload button or drag and drop files here to attach document

R-5014revised sites.pdf

23.69MB

Only pdf or kmz files are accepted.

Describe the attachments or add comments:

USACE Action ID SAW-2018-01570

The previously issued GP 31 has expired. This application is to request the issuance of a GP 50 for the project.

Additionally, several permit drawings have been revised. Previously, culverts were proposed to be extended at Sites 2, 9 and 12. Further examination discovered the pipes were at such a deteriorated state that they needed to be replaced. This resulted in an additional 176 linear feet (lf) (181 lf total) of permanent channel impact. Of this, 126 lf is due to bank/shoreline stabilization. Temporary channel impacts increased 56 lf (61 lf total). Permanent SW impacts decreased 0.02 ac and temporary SW impacts increased 0.03 ac. A change in the size of riprap was made at sites 8, 16 and 18 and listed as rock plating. This was done to ensure slope stability during adverse weather. Impacts did not change at these sites.

No additional mitigation is proposed for the changes in impacts.

The status of federally protected species remains unchanged. All species received a biological conclusion of No Effect except for the Northern long-eared bat (NLEB). The NLEB has a biological conclusion of May Affect, Likely to Adversely Affect and is addressed by the updated Programmatic Biological Opinion. Updated surveys were conducted for the bald eagle this project will have no effect on the species.

For other aspects of the project including utility impacts please reference previously issued permits at:

<https://xfer.services.ncdot.gov/pdea/Permlssued/R-5014%20General%20CAMA%20Dare%20November%2030,%202018.pdf>

* ☒ By checking the box and signing box below, I certify that:

- I, the project proponent, hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief.
- I, the project proponent, hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.
- I agree that submission of this online form is a "transaction" subject to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the online form.

Signature: *

Hack C. Rivenbark, III

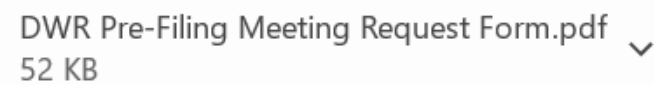
Submittal Date:

Is filled in automatically once submitted.

Pre-Filing Time Clock has been reached for R-5014 (Improvement to SR1217 from dead end to US158) - 20180839 Ver 2



 If there are problems with how this message is displayed, [click here to view it in a web browser.](#)



The North Carolina Division of Water Resources has received the Pre-Filing Meeting Request Form for R-5014 (Improvement to SR1217 from dead end to US158) that you submitted on 10/23/2020. The ID number for that project is 20180839, Version 2.

Your Pre-Filing Meeting Request has now reached the 30 calendar days' requirement and your application can now be accepted.

When you submit your application please upload a copy of the attached document in this email.

This email was automatically generated by Laserfiche workflow. Please do not respond to this email address, as responses are not monitored.



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

March 17, 2021

Mr. Greg Daisy
N.C. Dept. of Environmental Quality
Division of Coastal Management
401 S. Griffin St., Suite 300
Elizabeth City, NC 27909

Subject: **Request for Minor Modification of the CAMA Major Development Permit** for the widening of SR 1217 (Colington Road) from Dead End to US 158 (Croatan Highway) in Dare County, North Carolina; TIP Project R-5014, Federal Aid Project No. STP-1217(6); Debit \$100 from WBS Element 41162.1.1

Reference: CAMA Major Development Permit #125-18 issued November 5, 2018

Dear Sir:

The NCDOT is requesting a Minor Modification for CAMA Major Development Permit #125-18.

NCDOT has revised the permit drawings for the subject project. It was determined that the culverts along the project were structurally deficient. Originally these sites were proposed to be extensions of the existing pipes. Due to their current condition, the pipes will be replaced entirely. Clarification of impact detail was made to permitted sites causing small shifts in the impact type. These changes are reflected in the attached Permit Summary Sheet. Below is a list of sites where the pipe replacements will occur:

- Site 2** 56+30 to 56+75 LT, rock embankment / rock plating
SW fill reduced to <0.01. Perm. channel impact increased to 32 lf.
- Site 9** 104+10 to 104+65 LT, rock embankment / rock plating
SW fill reduced to 0.01 ac., Permanent channel impact added totaling 78 lf (55 lf stabilization).
- Site 12** 126+70 to 127+55 LT, rock embankment / rock plating
SW fill increased slightly an additional <0.01 ac., Permanent channel impact added 71 lf (all stabilization).

Additionally, after further investigation, it was determined that riprap placed in areas sensitive to adverse storm events had been sized improperly. A change was made to the plan drawings from the smaller Class I rock to a larger Class II. The Class II was determined to be sufficient to not shift or move during adverse weather. The above listed sites also include an increase in rock size. These sites are now depicted on the drawings as Rock Plating. The change resulted in no additional impact. Below is a list of sites where the rock size was changed only:

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL ANALYSIS UNIT
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

Telephone: (919) 707-6000
Customer Service: 1-877-368-4968
Website: www.ncdot.gov

Location:
1000 BIRCH RIDGE DRIVE
RALEIGH NC 27610

Site 8 92+85 to 96+25 LT, rock plating

Sites 16 & 18 163+08 to 173+60 LT, rock embankment / rock plating

Revised plan drawings of the sites affected are attached. NCDOT will continue to follow all other conditions of the CAMA permit, as originally authorized.

If you have any questions or need additional information, please contact Jason Dilday at jldilday@ncdot.gov or (919) 707-6111.

Sincerely,

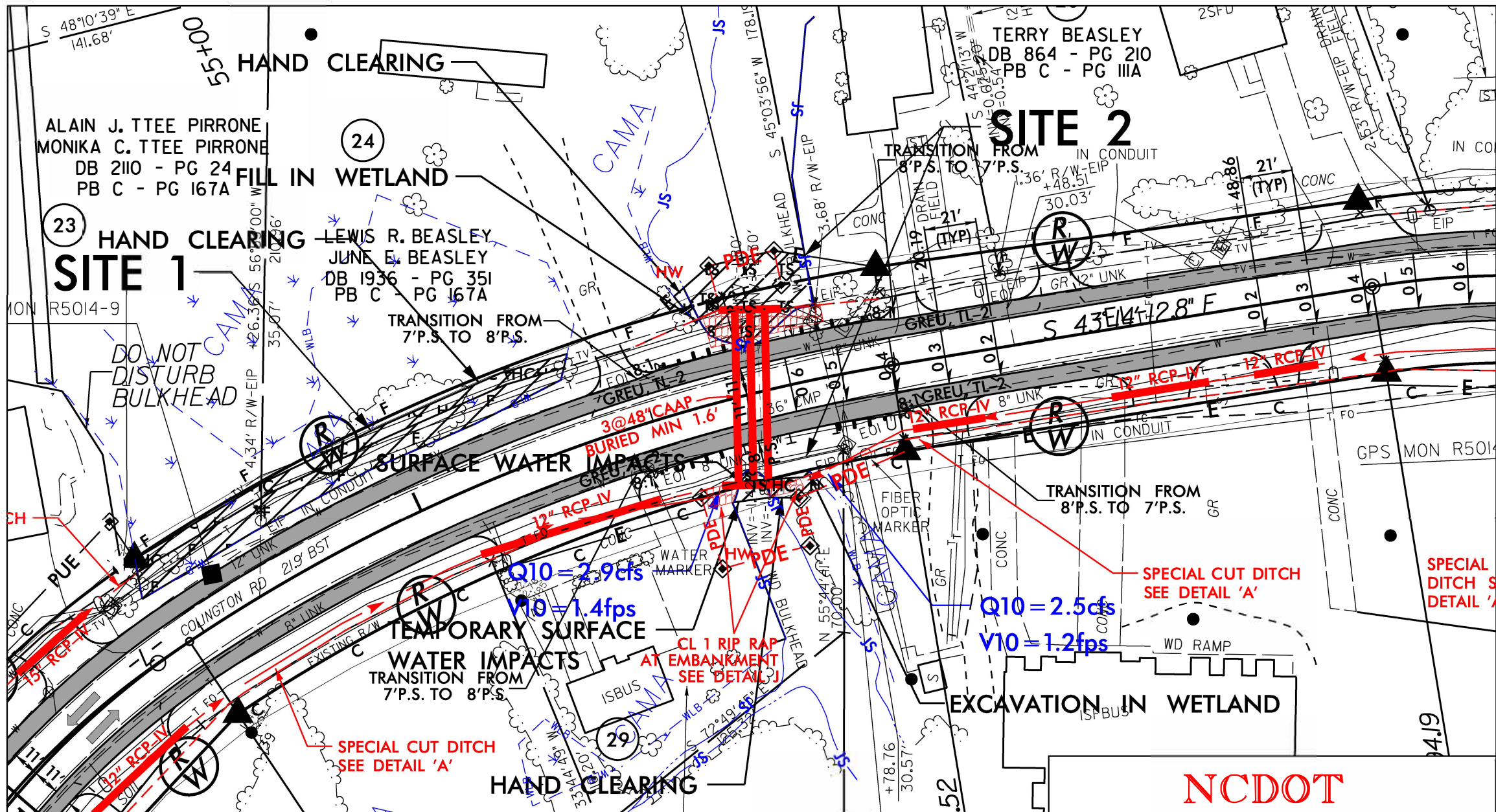
DocuSigned by:

Mack C. Rivenbark III

AAAD1248B309416...

for Philip S. Harris, III, P.E., C.P.M, Unit Head
Environmental Analysis Unit

cc: Cathy Brittingham, NCDCM Raleigh Office



NCDOT

DIVISION OF HIGHWAYS DARE COUNTY

PROJECT: R-5014 (41162.1.1)

PLAN VIEW



GRAPHIC SCALE

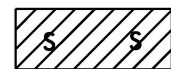
SHEET 4 OF 41

10 // 25 // 17

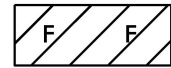
3/9/2021
ipbhagat

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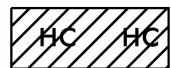
Revised 3/12/2021



DENOTES IMPACTS IN SURFACE WATER



DENOTES FILL IN WETLAND

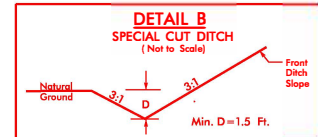


DENOTES HAND CLEARING

PI Sta 92+55.51
D = 41.75
L = 540.73
R = 283.99
SE = 6%
RO = 126'
V = 45 MPH

PI Sta 98+84.89
D = 41.75
L = 540.73
R = 283.99
SE = 6%
RO = 126'
V = 45 MPH

PI Sta 105+78.55
D = 41.75
L = 540.73
R = 283.99
SE = 6%
RO = 126'
V = 45 MPH



FROM -L- STA. 99+76.92 TO STA. 104+10 LT

PERMIT DRAWING
SHEET 16 OF 41

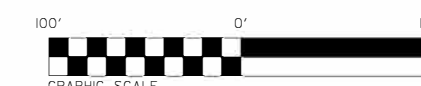
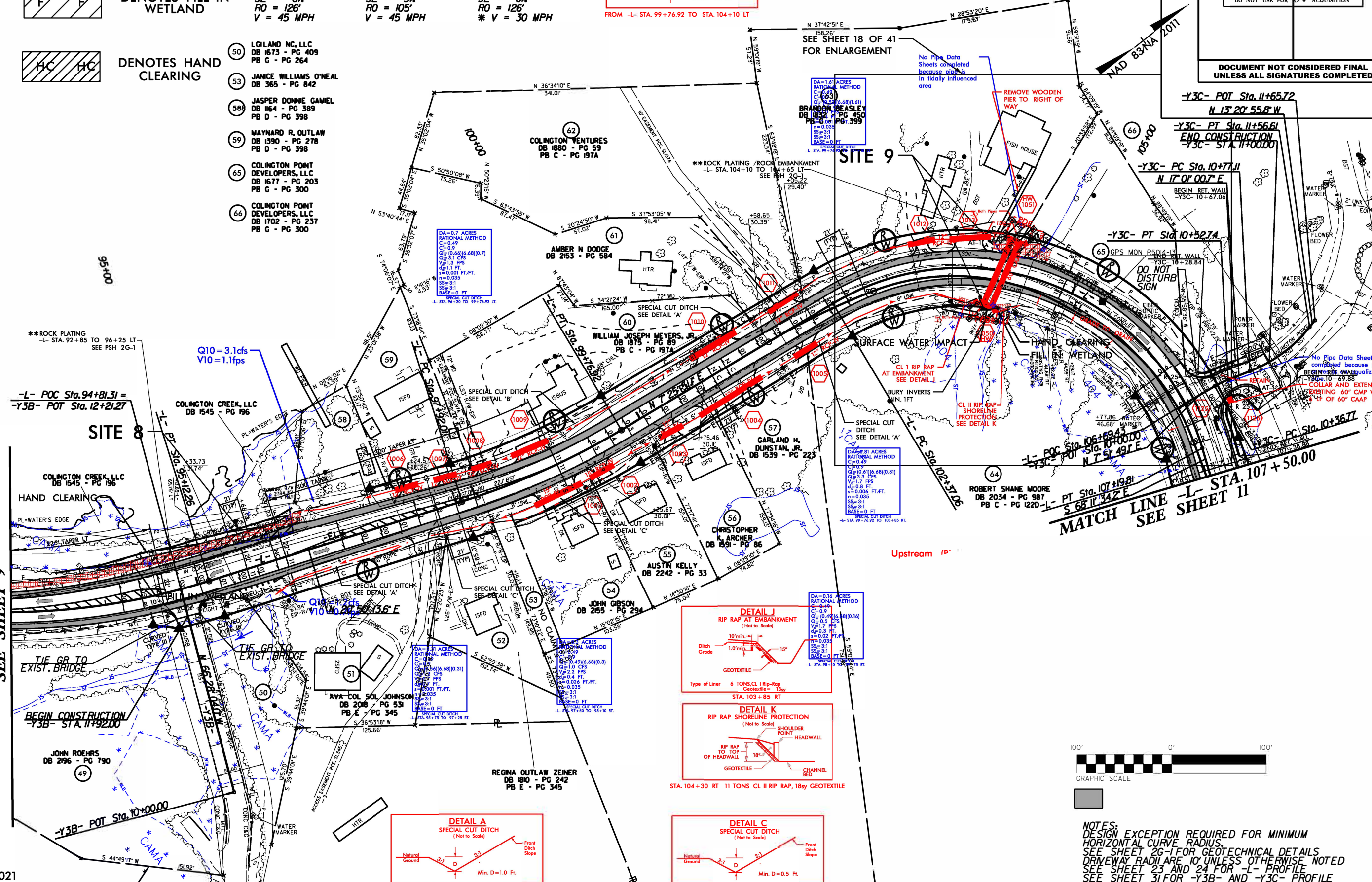
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CARY, NC 27514
phone: 919.851.7112
CALYXengineers.com
NC License # F-333
Formerly Highway & Consultants

PROJECT REFERENCE NO.	SHEET NO.
R-5014	10
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCH LINE -L- STA. 93+00.00
SEE SHEET 9

3/10/2021
jpbhagat

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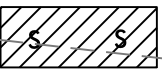
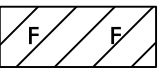
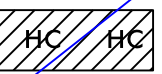


NOTES:
DESIGN EXCEPTION REQUIRED FOR MINIMUM
HORIZONTAL CURVE RADIUS.
SEE SHEET 26-F FOR GEOTECHNICAL DETAILS
DRIVEWAY RADI ARE 10' UNLESS OTHERWISE NOTED
SEE SHEET 23 AND 24 FOR -L- PROFILE
SEE SHEET 31 FOR -Y3B- AND -Y3C- PROFILE

Revised 3/12/2021

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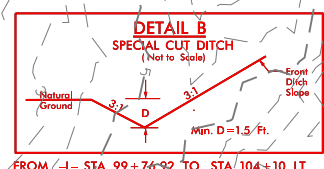
PROJECT REFERENCE NO.		SHEET NO.
R-5014		10
RW SHEET NO.		HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER		
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

-  DENOTES IMPACTS IN SURFACE WATER
-  DENOTES FILL IN WETLAND
-  DENOTES HAND CLEARING

PI Sta 92+55.51
D = 4175.312' (UTY)
L = 5407.3'
R = 283.99'
SE = 6%
RO = 126'
V = 45 MPH

PI Sta 98+84.89
D = 4175.312' (UTY)
L = 5407.3'
R = 283.99'
SE = 6%
RO = 126'
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PI Sta 105+78.55
D = 4175.312' (UTY)
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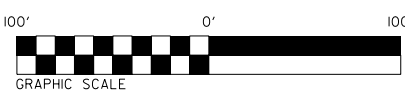
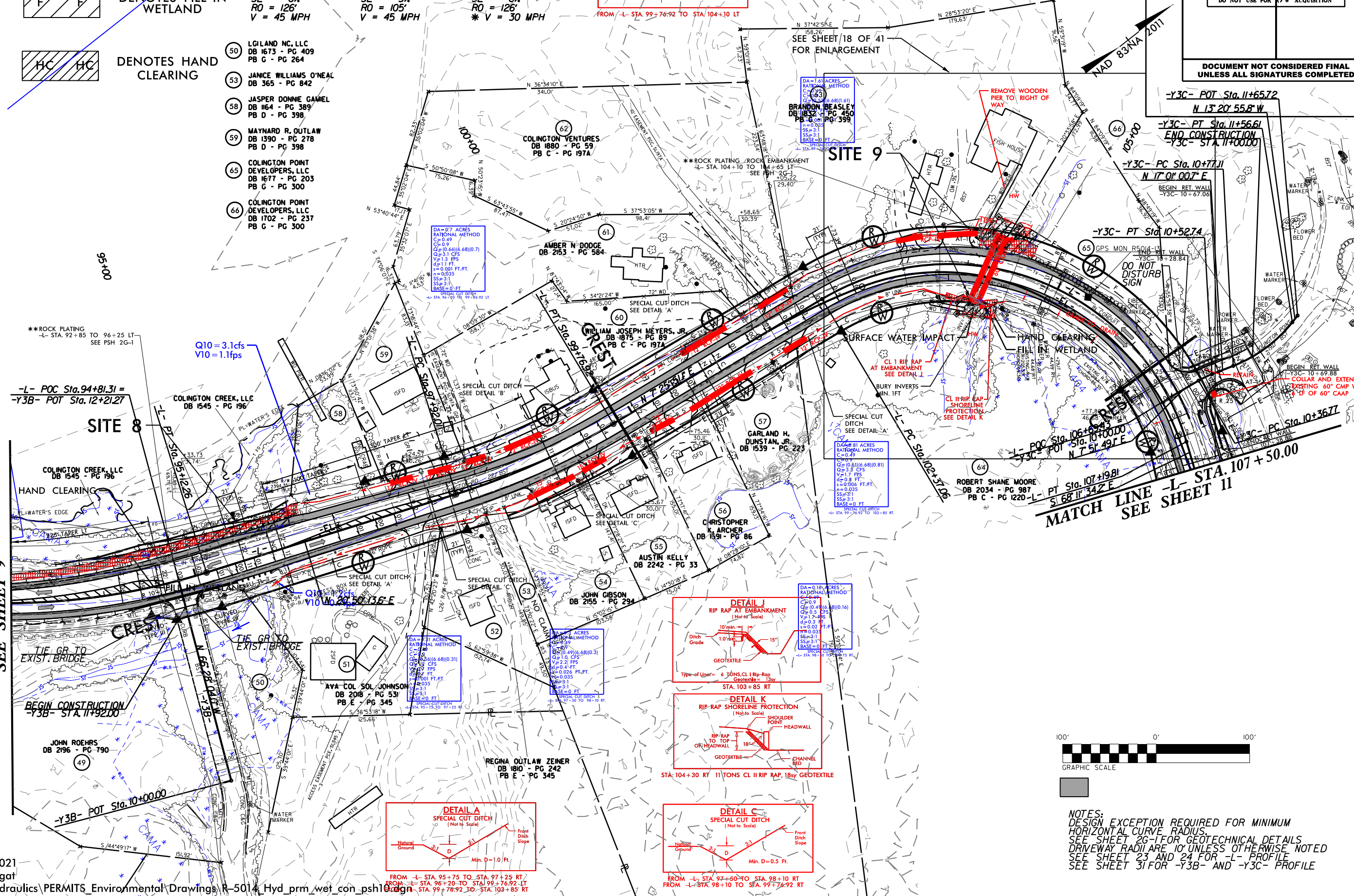
PERMIT DRAWING
SHEET 17 OF 41

RIGHT OF WAY REVISION - 11/29/2018 - CHANGED THE PROPERTY OWNER NAME ON PARCEL 49, 54, 55 & 61.
RIGHT OF WAY REVISION - 12/06/2018 - REMOVED RIGHT OF WAY MONUMENTS ON PARCEL 53.

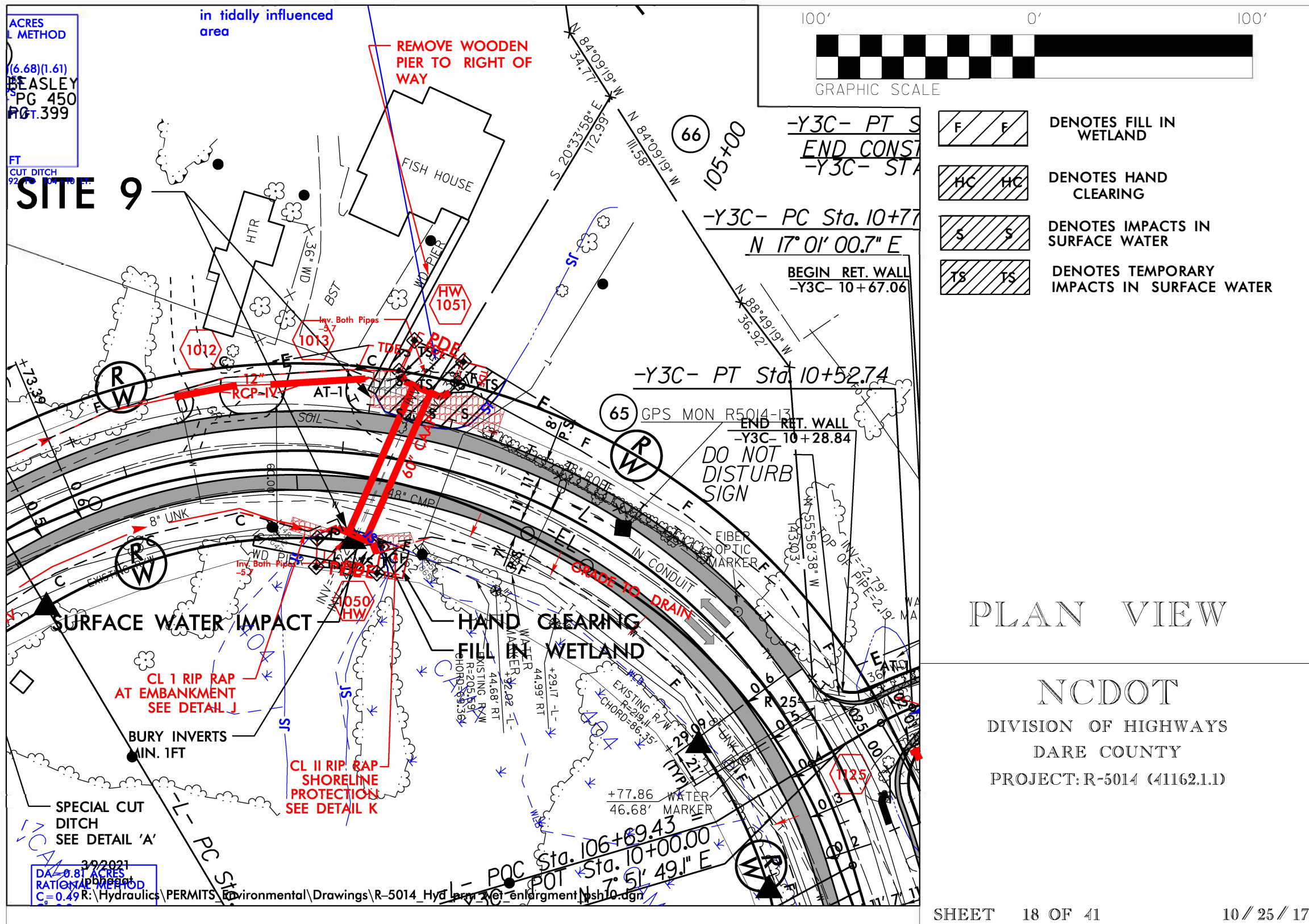
MATCH LINE -L- STA. 93+00.00
SEE SHEET 9

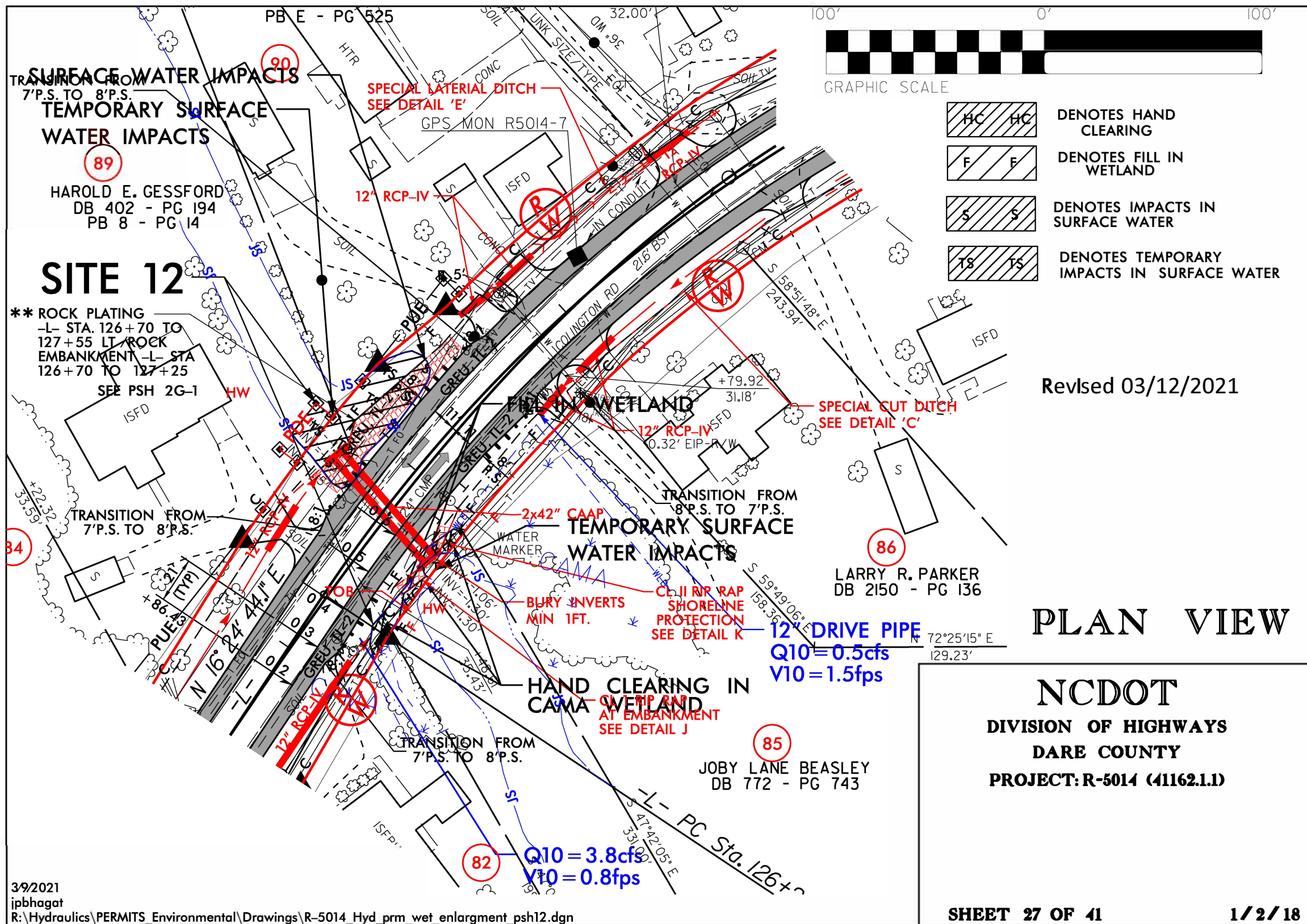
3/10/2021
jpbhagar

R: Hydraulics PERMITS Environmental Drawings R-5014 Hyd_prm_wet_con_psh



NOTES:
DESIGN EXCEPTION REQUIRED FOR MINIMUM HORIZONTAL CURVE RADIUS.
SEE SHEET 26-1 FOR GEOTECHNICAL DETAILS.
DRIVEWAY RADI ARE 10' UNLESS OTHERWISE NOTED.
SEE SHEET 23 AND 24 FOR -L- PROFILE.
SEE SHEET 31 FOR -Y3B- AND -Y3C- PROFILE.





Revised 3/12/2021

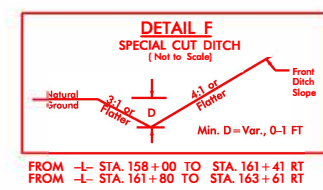
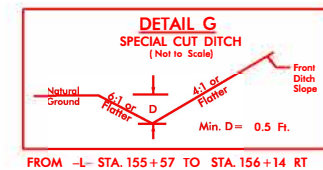
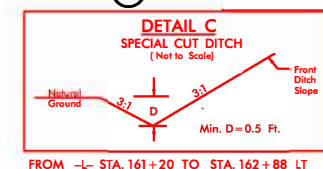
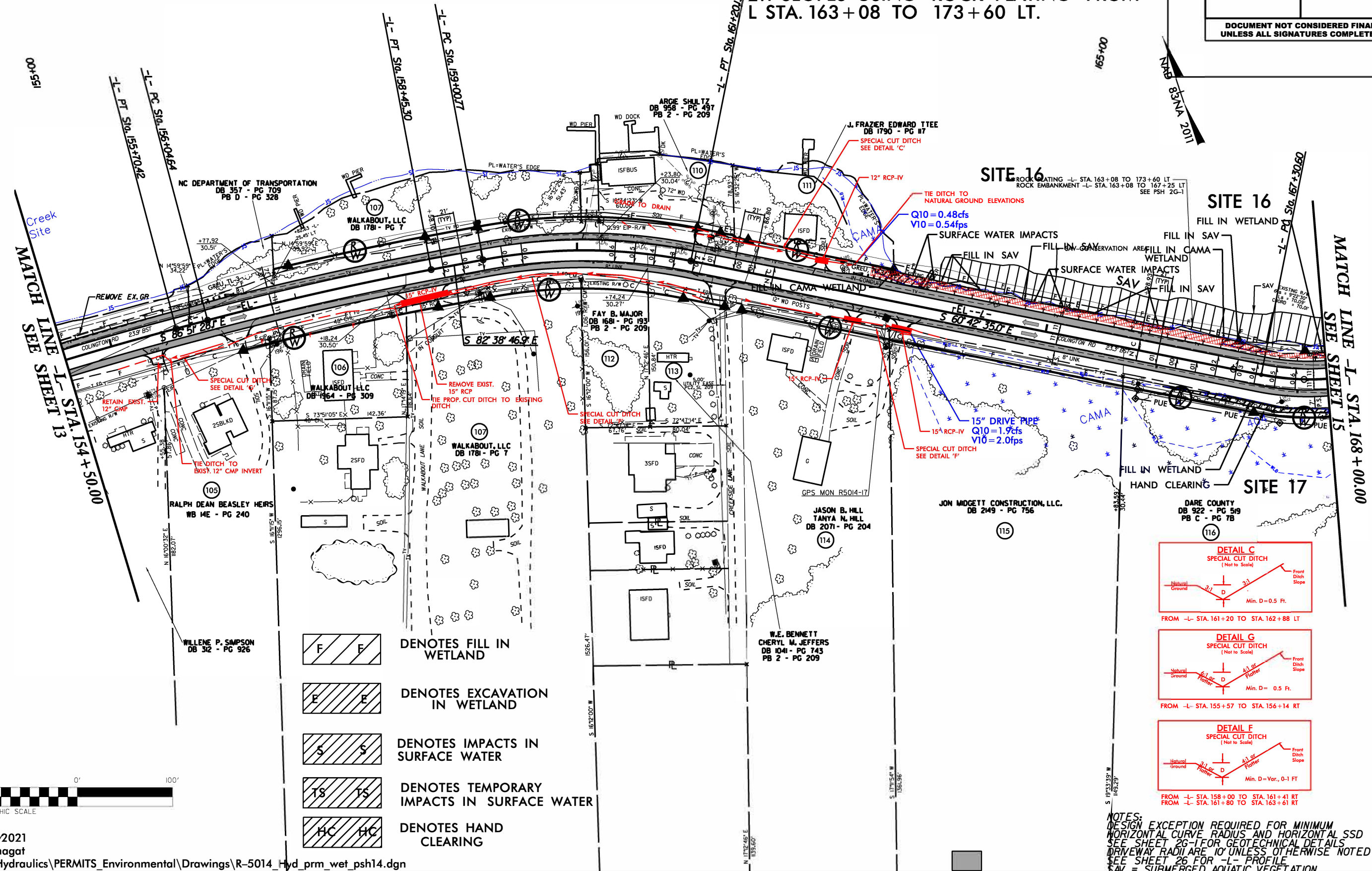


PROJECT REFERENCE NO.		SHEET NO.
R-5014		14
R/W SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
INCOMPLETE PLANS		DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL		UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 31 OF 41

PI Sta 151+21.7 $\Delta = 14^\circ 36' 20.0''$ (RT) D = 137' 00.0" L = 903.44' T = 454.18' R = 3,544.07' SE = 2% RO = 42' V = 80 MPH	PI Sta 157+25.02 $\Delta = 4^\circ 12' 41.2''$ (RT) D = 145' 00.0" L = 240.65' T = 120.38' R = 3,274.04' SE = 2% RO = 42' V = 80 MPH	PI Sta 160+11.81 $\Delta = 2^\circ 56' 11.8''$ (RT) D = 10' 00' 00.0" L = 219.37' T = 111.04' R = 572.96' SE = 6% RO = 126' V = 40 MPH	PI Sta 168+56.10 $\Delta = 53^\circ 18' 40.2''$ (LT) D = 22' 55' 05.9" L = 232.61' T = 125.49' R = 250.00' SE = 6% RO = 126' *V = 30 MPH
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2:1 SLOPES USING ROCK PLATING FROM
L STA. 163+08 TO 173+60 LT.



NOTES:
DESIGN EXCEPTION REQUIRED FOR MINIMUM SSD
HORIZONTAL CURVE RADIUS AND HORIZONTAL SSD
SEE SHEET 26-1 FOR GEOTECHNICAL DETAILS
DRIVEWAY RADIUS ARE 10' UNLESS OTHERWISE NOTED
SEE SHEET 26 FOR -L- PROFILE
SAV = SUBMERGED AQUATIC VEGETATION

RIGHT OF WAY REVISION - 11/29/2018 - CHANGED THE PROPERTY OWNER NAME ON PARCEL 107 & 115.
RIGHT OF WAY REVISION - 11/29/2018 - COMBINED PARCEL 107 & 108, ELIMINATED PARCEL 108.
RIGHT OF WAY REVISION - 11/29/2018 - REDUCED THE PROPOSED R/W WIDTH FROM 40 FT TO 35 FT ALONG THE FRONTAGE OF PARCEL 107 & 110 DUE TO THIS TEMPORARY CONSTRUCTION EASEMENT (TCE) WAS ADDED ON PARCEL 107 & 110 AND ADJUSTED ON PARCEL 111.
RIGHT OF WAY REVISION - 12/06/2018 - MODIFIED RIGHT OF WAY ON PARCEL 107, REMOVED RIGHT OF WAY MONUMENT ON PARCEL 107.

Revised 3/12/2021

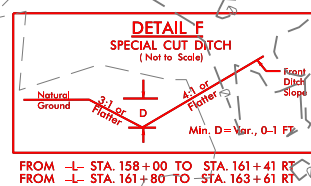
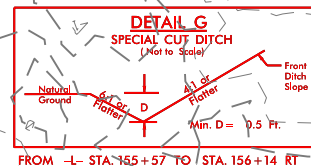
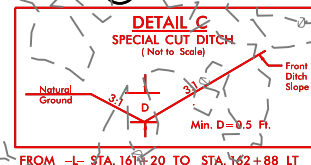
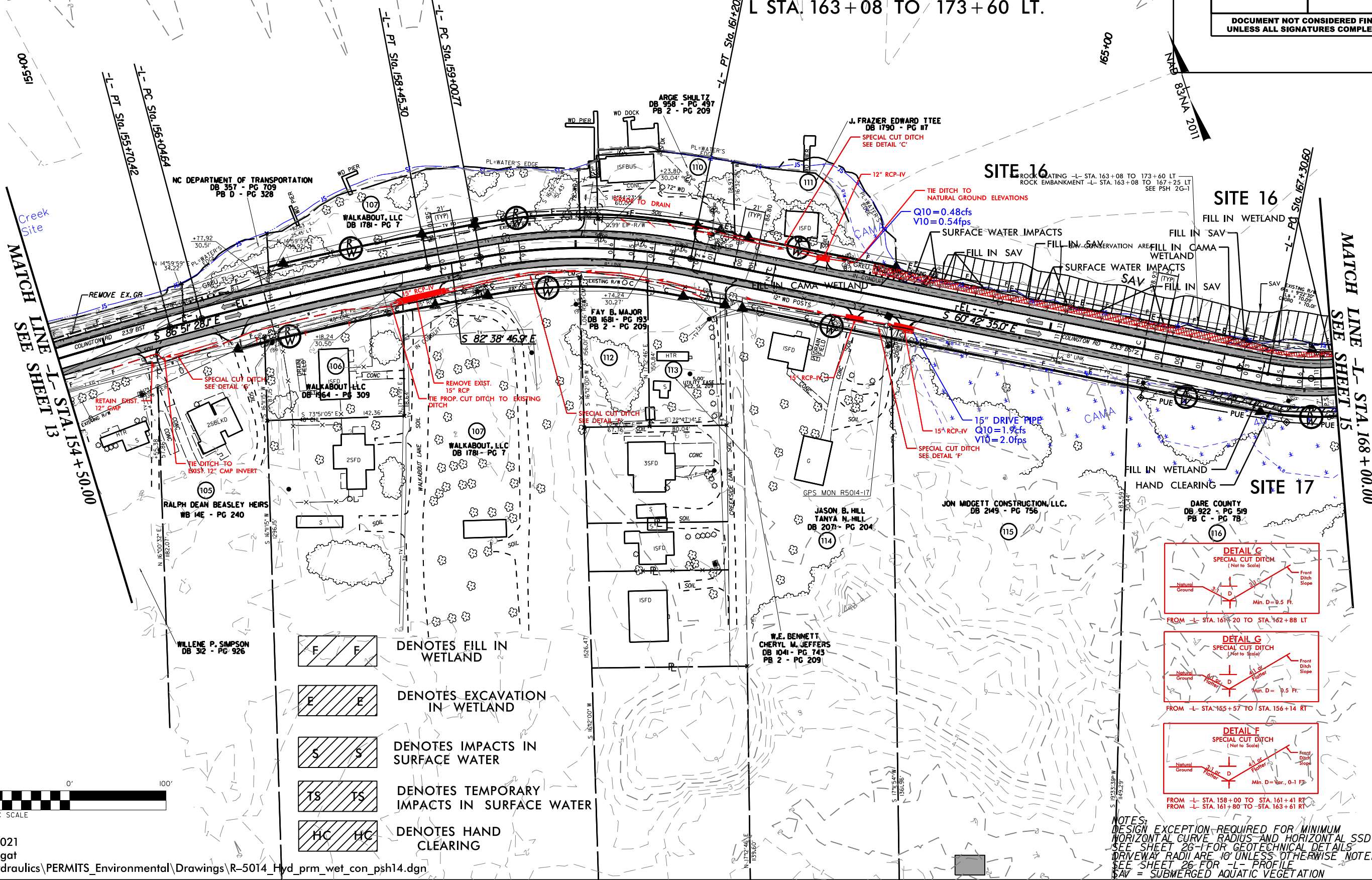


PROJECT REFERENCE NO.		SHEET NO.	
R-5014		14	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

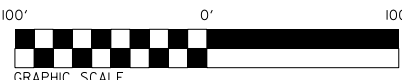
PERMIT DRAWING
SHEET 32 OF 41

2:1 SLOPES USING ROCK PLATING FROM
L STA. 163+08 TO 173+60 LT.

PI Sta 151+21.7 $\Delta = 14' 36'' 20.0''$ (RT) $D = 1' 37'' 00.0''$ $L = 903.44'$ $T = 454.18'$ $R = 3,544.07'$ $SE = 2\%$ $RO = 42'$ $V = 80$ MPH	PI Sta 157+25.02 $\Delta = 4' 12'' 41.2''$ (RT) $D = 1' 45'' 00.0''$ $L = 240.65'$ $T = 120.38'$ $R = 3,274.04'$ $SE = 2\%$ $RO = 42'$ $V = 80$ MPH	PI Sta 160+11.81 $\Delta = 2' 56'' 11.8''$ (RT) $D = 1' 00'' 00.0''$ $L = 219.37'$ $T = 111.04'$ $R = 572.96'$ $SE = 6\%$ $RO = 126'$ $V = 40$ MPH	PI Sta 168+56.10 $\Delta = 53' 18'' 40.2''$ (LT) $D = 22' 55'' 05.9''$ $L = 232.61'$ $T = 125.49'$ $R = 250.00'$ $SE = 6\%$ $RO = 126'$ $*V = 30$ MPH
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NOTES:
DESIGN EXCEPTION REQUIRED FOR MINIMUM SSD
HORIZONTAL CURVE RADIUS AND HORIZONTAL SSD
SEE SHEET 26-F FOR GEOTECHNICAL DETAILS
DRIVEWAY RADII ARE 40' UNLESS OTHERWISE NOTED
SEE SHEET 26 FOR L- PROFILE
SAV = SUBMERGED AQUATIC VEGETATION



3/10/2021
jpbhagat
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RIGHT OF WAY REVISION - 11/29/2018 - CHANGED THE PROPERTY OWNER NAME ON PARCEL 107 & 115.
RIGHT OF WAY REVISION - 11/29/2018 - COMBINED PARCEL 107 & 108, ELIMINATED PARCEL 108.
RIGHT OF WAY REVISION - 11/29/2018 - REDUCED THE PROPOSED R/W WIDTH FROM 40 FT TO 35 FT ALONG THE FRONTAGE OF PARCEL 107 & 110 DUE TO THIS TEMPORARY
CONSTRUCTION EASEMENT (TCE) WAS ADDED ON PARCEL 107 & 110 AND ADJUSTED ON PARCEL 111.
RIGHT OF WAY REVISION - 12/06/2018 - MODIFIED RIGHT OF WAY ON PARCEL 107, REMOVED RIGHT OF WAY MONUMENT ON PARCEL 107.

SYSTEM\$CNC

Revised 3/12/2021

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CARY, NC 27514
PHONE: 919.851.1112
CALYXENGINEERS.COM
NC License # PG 333
Formerly Hydrus Engineers & Consultants

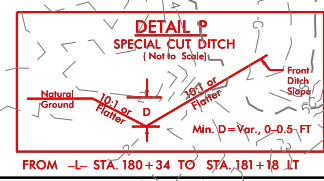
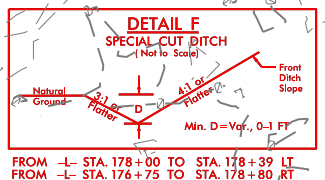
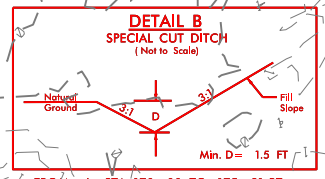
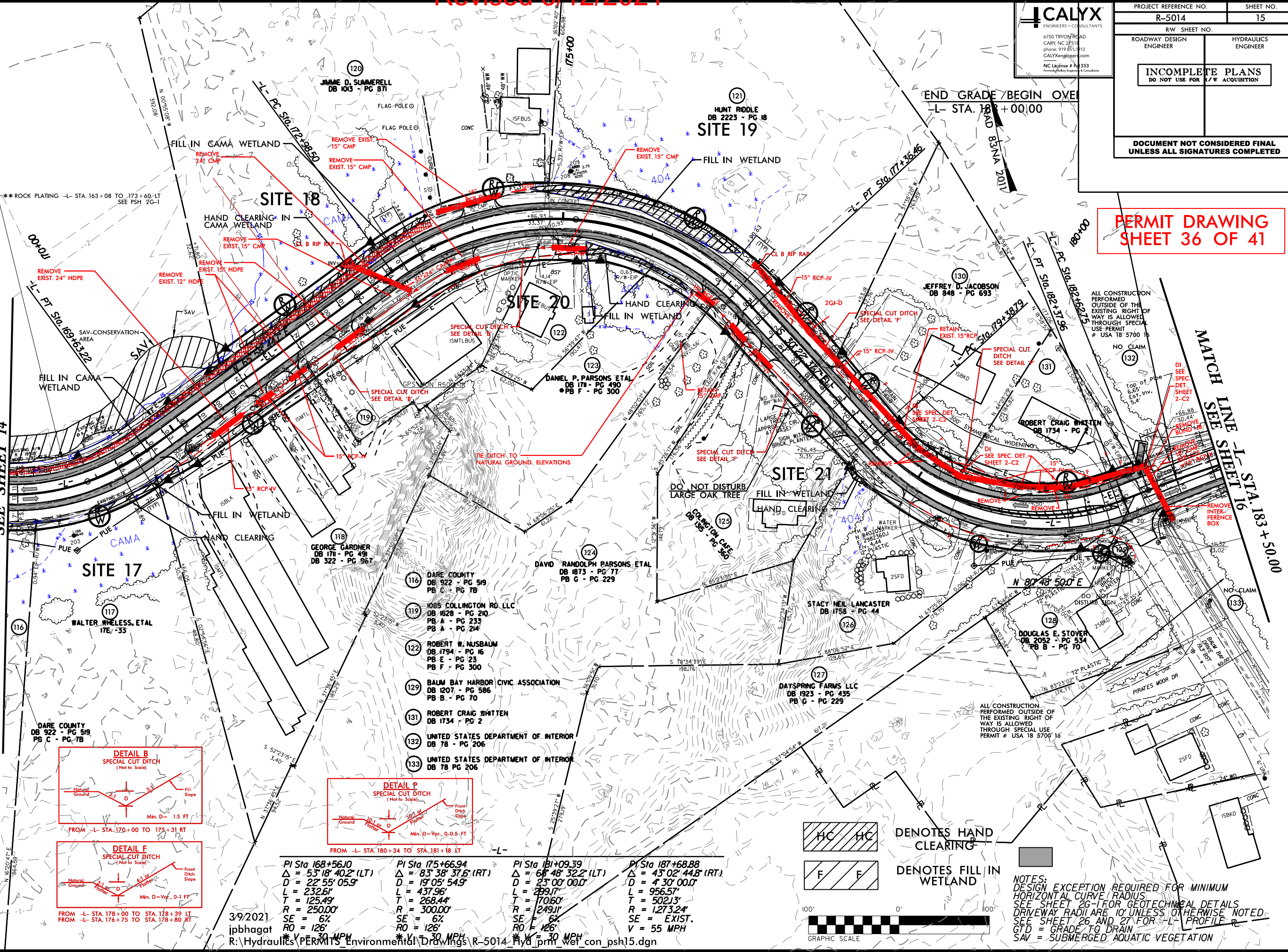
PROJECT REFERENCE NO.		SHEET NO.	
R-5014		15	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

PERMIT DRAWING
SHEET 36 OF 41

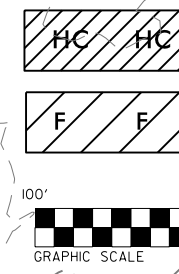
RIGHT OF WAY REVISION - 02/05/2018 - PLACED NOTE TO NOT DISTURB SAV ON PARCEL 120 & 121.
RIGHT OF WAY REVISION - 02/05/2018 - CHANGED THE PROPERTY LINES ON PARCEL 117 & 121.
RIGHT OF WAY REVISION - 11/29/2018 - ADDED THE NOTE "NO CLAIM ON PARCEL 132 & 133."
RIGHT OF WAY REVISION - 11/29/2018 - TEMPORARY CONSTRUCTION EASEMENTS WERE REMOVED AND THE NOTE "ALL CONSTRUCTION PERFORMED OUTSIDE OF EXISTING RIGHT OF WAY IS ALLOWED THROUGH SPECIAL USE PERMIT # USA 18 5700 15" WAS ADDED ON PARCEL 132 & 133.
RIGHT OF WAY REVISION - 12/06/2018 - MODIFIED RIGHT OF WAY ON PARCEL 120, REMOVED RIGHT OF WAY MONUMENT ON PARCEL 120.

MATCH LINE -L- STA. 168+00.00
SEE SHEET 14

MATCH LINE -L- STA. 183+50.00
SEE SHEET 16



PI Sta 168+56.10 Δ = 53° 18' 40.2" (LT) D = 22° 55' 05.9" L = 232.61' T = 125.49' R = 250.00' SE = 6° RO = 126°	PI Sta 175+66.94 Δ = 83° 38' 37.6" (RT) D = 19° 05' 54.9" L = 437.96' T = 268.44' R = 300.00' SE = 6° RO = 126°	PI Sta 181+09.39 Δ = 68° 48' 32.2" (LT) D = 23° 00' 00.0" L = 299.17' T = 170.60' R = 249.11' SE = 6° RO = 126°	PI Sta 187+68.88 Δ = 43° 02' 44.8" (RT) D = 4° 30' 00.0" L = 956.57' T = 502.13' R = 1273.24' SE = EXIST. V = 55 MPH
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HC **HC**
DENOTES HAND
CLEARING

F **F**
DENOTES FILL IN
WETLAND

NOTES:
DESIGN EXCEPTION REQUIRED FOR MINIMUM
HORIZONTAL CURVE RADIUS
SEE SHEET 26-1 FOR GEOTECHNICAL DETAILS
DRIVEWAY RADIUS ARE 10' UNLESS OTHERWISE NOTED
SEE SHEET 26 AND 27 FOR -L- PROFILE
GTD = GRADE TO DRAIN
SAV = SUBMERGED AQUATIC VEGETATION

WETLAND AND SURACE WATER IMPACTS SUMMARY												
			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	L Sta 53+87 to 55+73 Lt	Roadway fill	0.04				0.02					
2	L Sta 56+26 to 56+50 Lt/Rt	Culvert Replacement	< 0.01		< 0.01		< 0.01	< 0.01	0.02	32	16	
3	L Sta 61+37 Rt	Roadway fill	< 0.01				< 0.01					
4	L Sta 66+13 to 70+24 Lt	Roadway fill	0.22				0.05					
5	L Sta 71+55 to 73+86 Rt	Roadway fill / Culvert	0.28				0.03					
6	L Sta 75+16 TO 76+73 Rt	Culvert / Roadway fill	0.02				0.03					
7	L Sta 85+34 to 88+03 Rt	Roadway fill	0.04				0.02					
8	L Sta 93+00 to 96+16 Lt	Roadway fill	0.04				0.02					
9	L Sta 103+90 to104+62 Lt/Rt	Culvert Replacement	< 0.01				< 0.01	< 0.01	0.03	23	18	
9	L Sta 103+90 to104+62 Lt/Rt	Bank Stabilization						0.01		55		
10	L Sta 108+75 to 109+77 Rt	Tail Ditch					0.02					
11	L Sta 116+55 to 117+54 Lt	Roadway Ditch / Tail Ditch			< 0.01		< 0.01					
12	L Sta 126+78 to 127+40 Lt	Culv Replacement/Rdy fill	< 0.01				< 0.01	< 0.01	0.02		27	
12	L Sta 126+78 to 127+40 Lt	Bank Stabilization						0.02		71		
13	L Sta 129+64 to 130+19 Lt	Roadway fill	< 0.01				< 0.01					
14	L Sta 135+70 to 136+10 Lt	Roadway fill	< 0.01				< 0.01					
15	L Sta. 139+07 Lt	Roadway fill	< 0.01				< 0.01					
16	L Sta 163+08 to 167+40 Lt	Roadway fill	0.02					< 0.01				
17	L Sta 166+91 to 169+80 Rt	Roadway fill	< 0.01				0.03					
18	L Sta. 167+81 to 173+51 Lt	Roadway fill	0.07				0.03					
19	L Sta 174+77 to 176+84 Lt	Roadway fill	0.05				0.03					
20	L Sta. 175+29 to 175+95 Rt	Roadway fill	< 0.01				0.01					
21	L Sta 179+50 Rt	Roadway fill	< 0.01				< 0.01					
TOTALS*:			0.80		< 0.01		0.32	0.06	0.08	181	61	0

*Rounded totals are sum of actual impacts

NOTES: ***Quantities shown below are included in the above totals***

Site 2: 4.4 sqft of fill in CAMA wetland due to roadway fill.

Site 5: 0.10 acres total take of wetlands per 4B comment

Site 8: 0.04 acres of fill and 0.02 acres of hand clearing in CAMA wetland due to roadway fill.

Site 11: 7.4 sqft of excavation in CAMA wetland due to Roadway ditch and 22.7 sqft of hand clearing in CAMA wetland for tail ditch construction.

Site 12: 7.4 sqft of fill and 0.008 acres of hand clearing in CAMA wetland due to roadway fill.

Sites 14 & 15: 132 sqft of fill and 0.01 acres of hand clearing in CAMA wetland due to roadway fill.

Site 16: 188 sqft of permanent fill in SAV due to 2:1 rock plated roadway fill slope. 653 sqft of fill in CAMA wetland due to roadway fill.

Site 17: 55 sqft of fill and 0.01 acres of hand clearing in CAMA wetland due to roadway fill. 32 sqft of fill in 404 wetland due to roadway fill.

Site 18: 0.07 acres of fill and 0.03 acres of hand clearing in CAMA wetland due to roadway fill.

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
3/11/21
DARE
R-5014
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