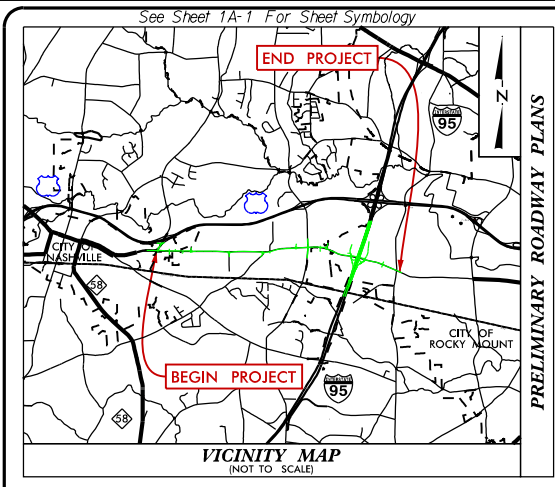


09/08/99

TIP PROJECT: U-5026/R-5720

CONTRACT: C204412

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USER: CMVERS
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

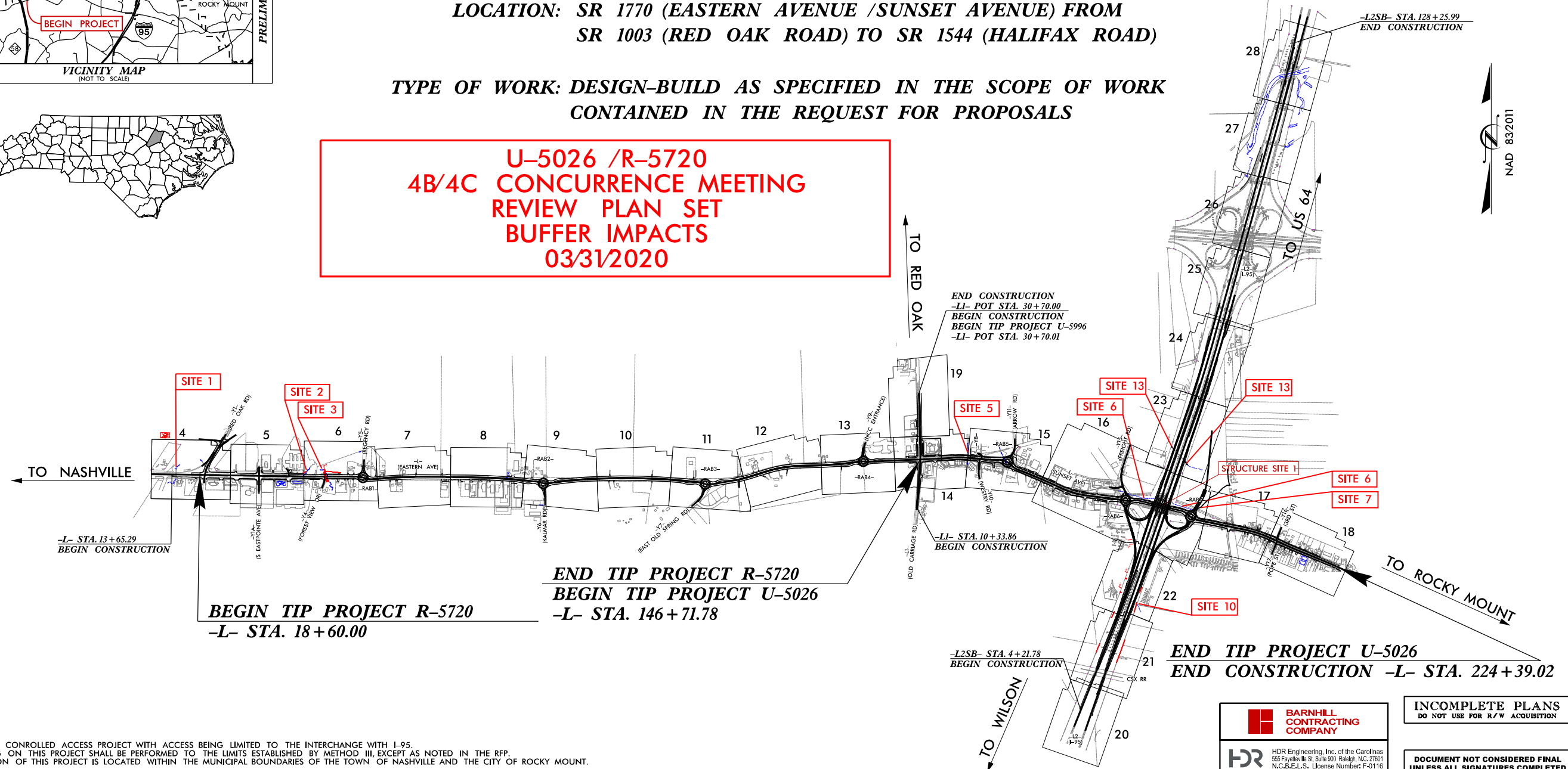
NASH COUNTY

**LOCATION: SR 1770 (EASTERN AVENUE /SUNSET AVENUE) FROM
SR 1003 (RED OAK ROAD) TO SR 1544 (HALIFAX ROAD)**

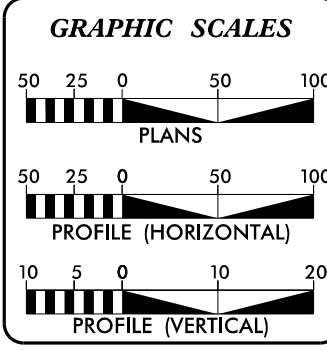
**TYPE OF WORK: DESIGN-BUILD AS SPECIFIED IN THE SCOPE OF WORK
CONTAINED IN THE REQUEST FOR PROPOSALS**

**U-5026 /R-5720
4B/4C CONCURRENCE MEETING
REVIEW PLAN SET
BUFFER IMPACTS
03/31/2020**

BUFFER DRAWING SHEET ___ OF ___	STATE N.C.	STATE PROJECT REFERENCE NO. U-5026 /R-5720	SHEET NO. 1	TOTAL SHEETS
	STATE PROJ. NO. 44033.3.3	F.A. PROJ. NO. N/A	DESCRIPTION P.E., RW, UTIL. CONST.	



NOTES:
THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO THE INTERCHANGE WITH I-95.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III, EXCEPT AS NOTED IN THE RFP.
A PORTION OF THIS PROJECT IS LOCATED WITHIN THE MUNICIPAL BOUNDARIES OF THE TOWN OF NASHVILLE AND THE CITY OF ROCKY MOUNT.



DESIGN DATA

ADT 2019 =	17,311
ADT 2040 =	26,100
K =	10 %
D =	60 %
T =	3 % *
V =	50 MPH
* TTST =	1% DUAL = 2%
FUNC CLASS =	RURAL ARTERIAL & URBAN ARTERIAL

PROJECT LENGTH

LENGTH ROADWAY -L- (SR 1770) =	2.426 MILES (R-5720)
LENGTH ROADWAY -L- (SR 1770) =	1.414 MILES (U-5026)
LENGTH STRUCTURES -L- (SR 1770) =	0.057 MILES (U-5026)
LENGTH ROADWAY -L1- (SR 1603) =	0.386 MILES
LENGTH ROADWAY -L2SB- (I-95) =	2.349 MILES
TOTAL LENGTH TIP PROJECT U-5026 /R-5720 =	6.632 MILES

NCDOT CONTACT: RACHEL EVANS, PE
DIVISION PROJECT ENGINEER

Prepared for the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2018 STANDARD SPECIFICATIONS	WARREN LAMB, PE PROJECT ENGINEER
RIGHT OF WAY DATE: OCTOBER 15, 2019	PAUL ROBBINS, PE PROJECT DESIGN ENGINEER
LETTING DATE: OCTOBER 15, 2019	

HYDRAULICS ENGINEER

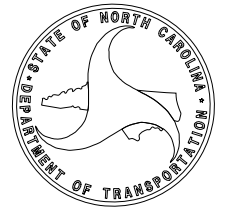
SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

**INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION**

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

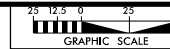


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USER: CMYERS
FILE: Barnhill Contracting_Corp\Barnhill-Rocky_Mount\DB\6.0_CAD\BIM\6.2_WIP\Hydrolics\PERMITS_Environment\Drawings\Buffer's\U5026-R5720-HYD-PRM-BUF_PSH.dgn

REVISIONS

PENTABLE: NCDOT_permits.NCON.tbl
DATE: 3/27/2020
TIME: 12:47:01 PM

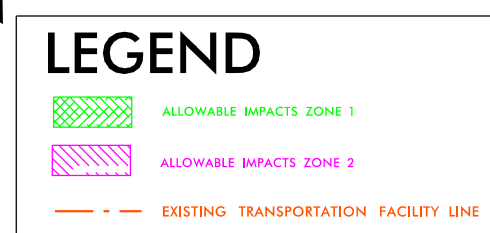
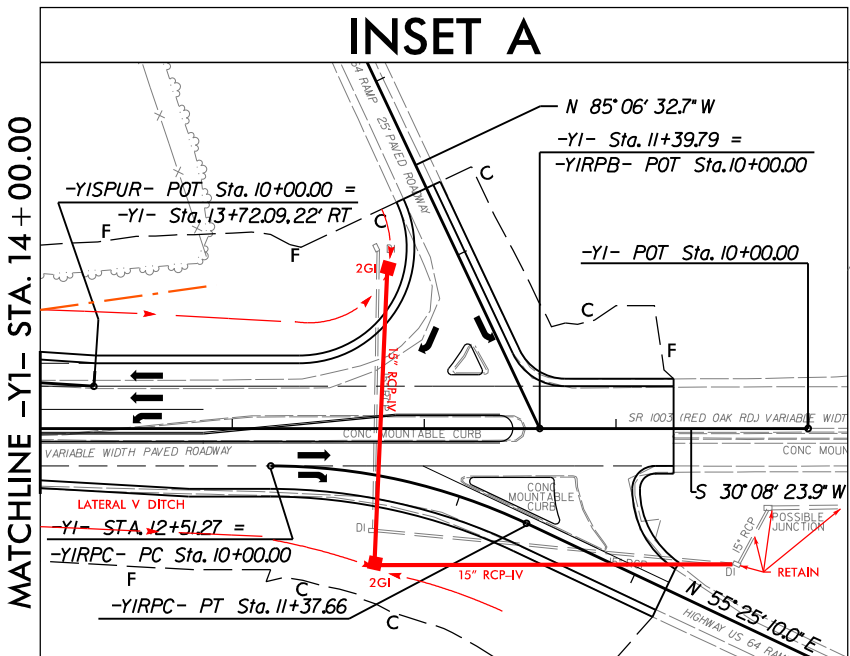
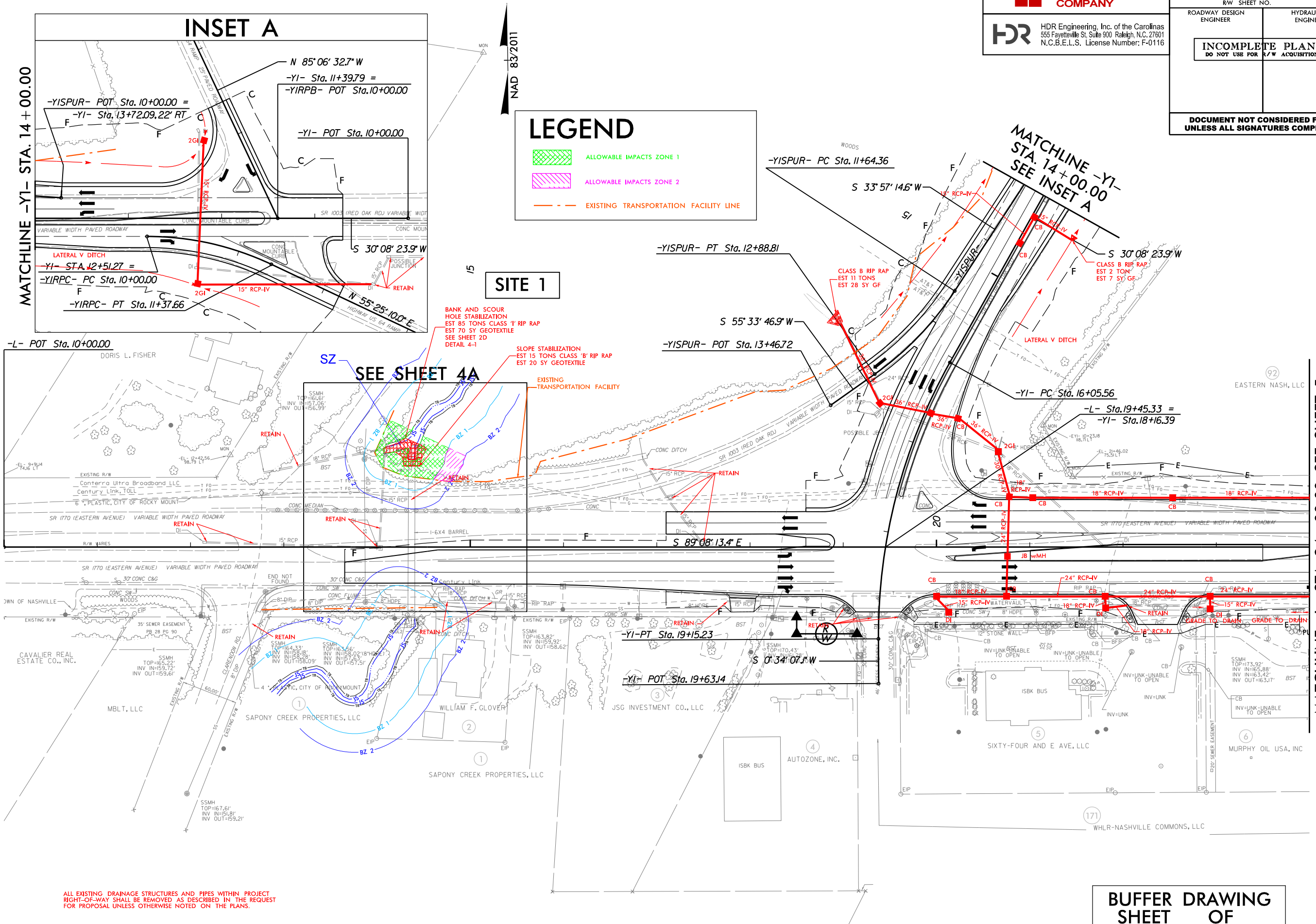
SEE SHEET 24 FOR -L- PROFILE
SEE SHEET 41 FOR -YI- PROFILE



BARNHILL CONTRACTING COMPANY

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

PROJECT REFERENCE NO. U-5026 /R-5720	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



SITE 1

SEE SHEET 4A

ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN PROJECT RIGHT-OF-WAY SHALL BE REMOVED AS DESCRIBED IN THE REQUEST FOR PROPOSAL UNLESS OTHERWISE NOTED ON THE PLANS.

BUFFER DRAWING SHEET _ OF _

MATCHLINE -L- STA. 24 + 00.00, SEE SHEET 5

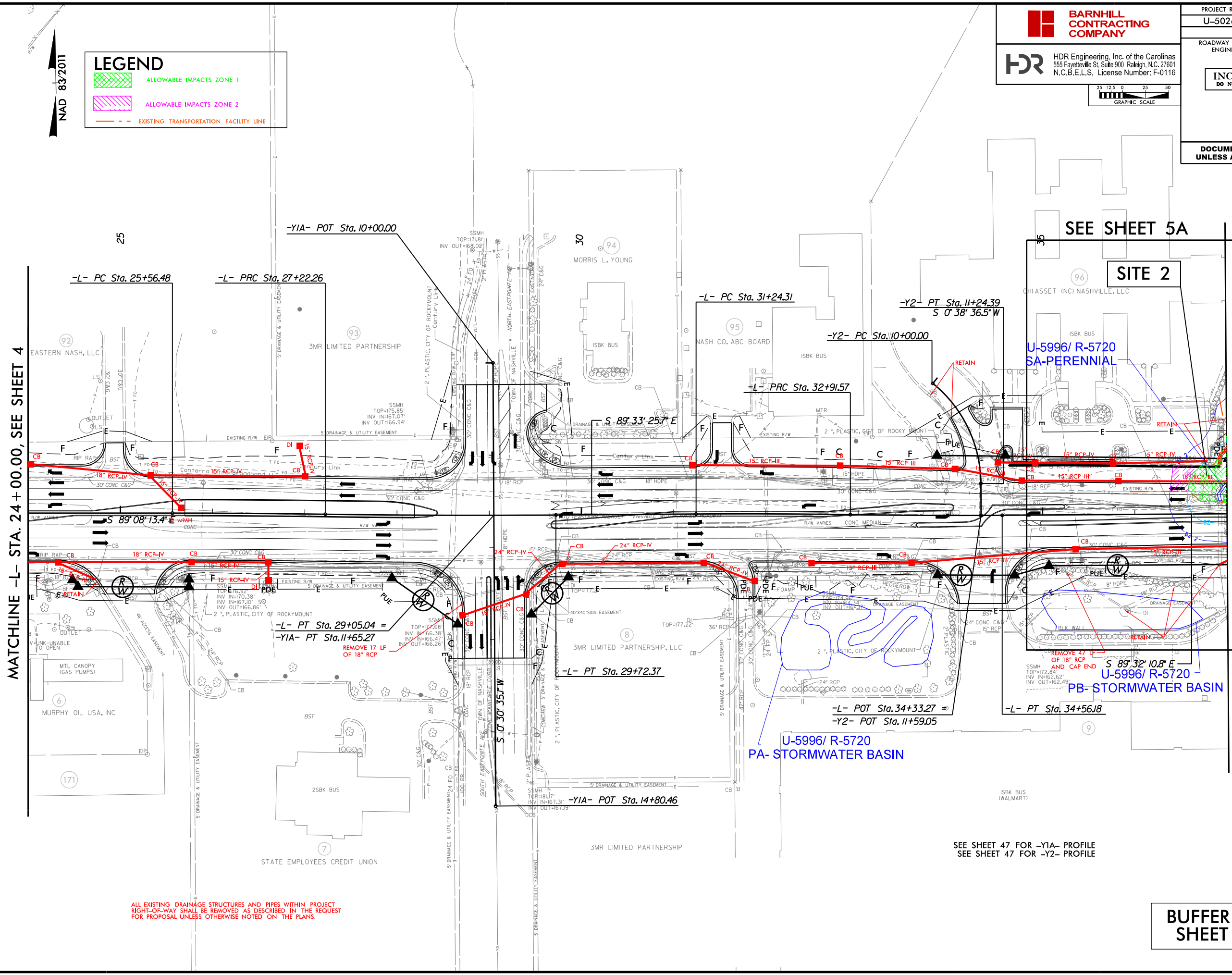
BARNHILL CONTRACTING COMPANY

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

PROJECT REFERENCE NO. U-5026 /R-5720	SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

LEGEND

- ALLOWABLE IMPACTS ZONE 1
- ALLOWABLE IMPACTS ZONE 2
- EXISTING TRANSPORTATION FACILITY LINE



MATCHLINE -L- STA. 24 + 00.00, SEE SHEET 4

MATCHLINE -L- STA. 37 + 00.00, SEE SHEET 6

SEE SHEET 5A

U-5996/ R-5720
SA-PERENNIAL

U-5996/ R-5720
PB-STORMWATER BASIN

U-5996/ R-5720
PA-STORMWATER BASIN

SEE SHEET 47 FOR -Y1A- PROFILE
SEE SHEET 47 FOR -Y2- PROFILE

ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN PROJECT RIGHT-OF-WAY SHALL BE REMOVED AS DESCRIBED IN THE REQUEST FOR PROPOSAL UNLESS OTHERWISE NOTED ON THE PLANS.

BUFFER DRAWING SHEET ___ **OF** ___

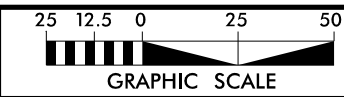
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REVISIONS

NAD 83/2011

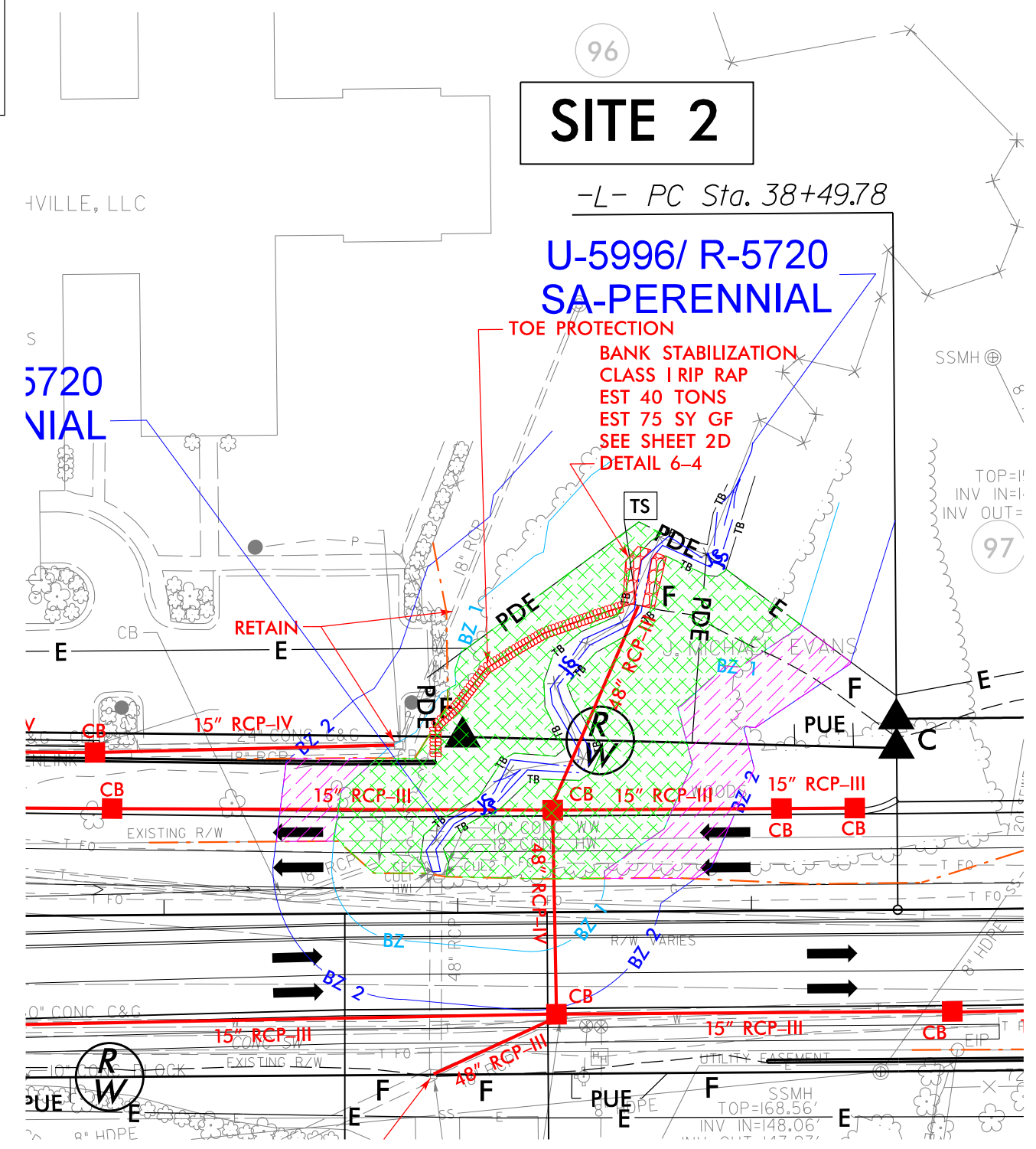
LEGEND

-  ALLOWABLE IMPACTS ZONE 1
-  ALLOWABLE IMPACTS ZONE 2
-  EXISTING TRANSPORTATION FACILITY LINE



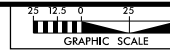
PROJECT REFERENCE NO. U-5026 / R-5720	SHEET NO. 5A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

NAD 83/2011



BUFFER DRAWING
SHEET ___ OF ___

PLOT DRIVER: NCDOT_color_eng_100.plt
 USER: CMYERS
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 REVISIONS



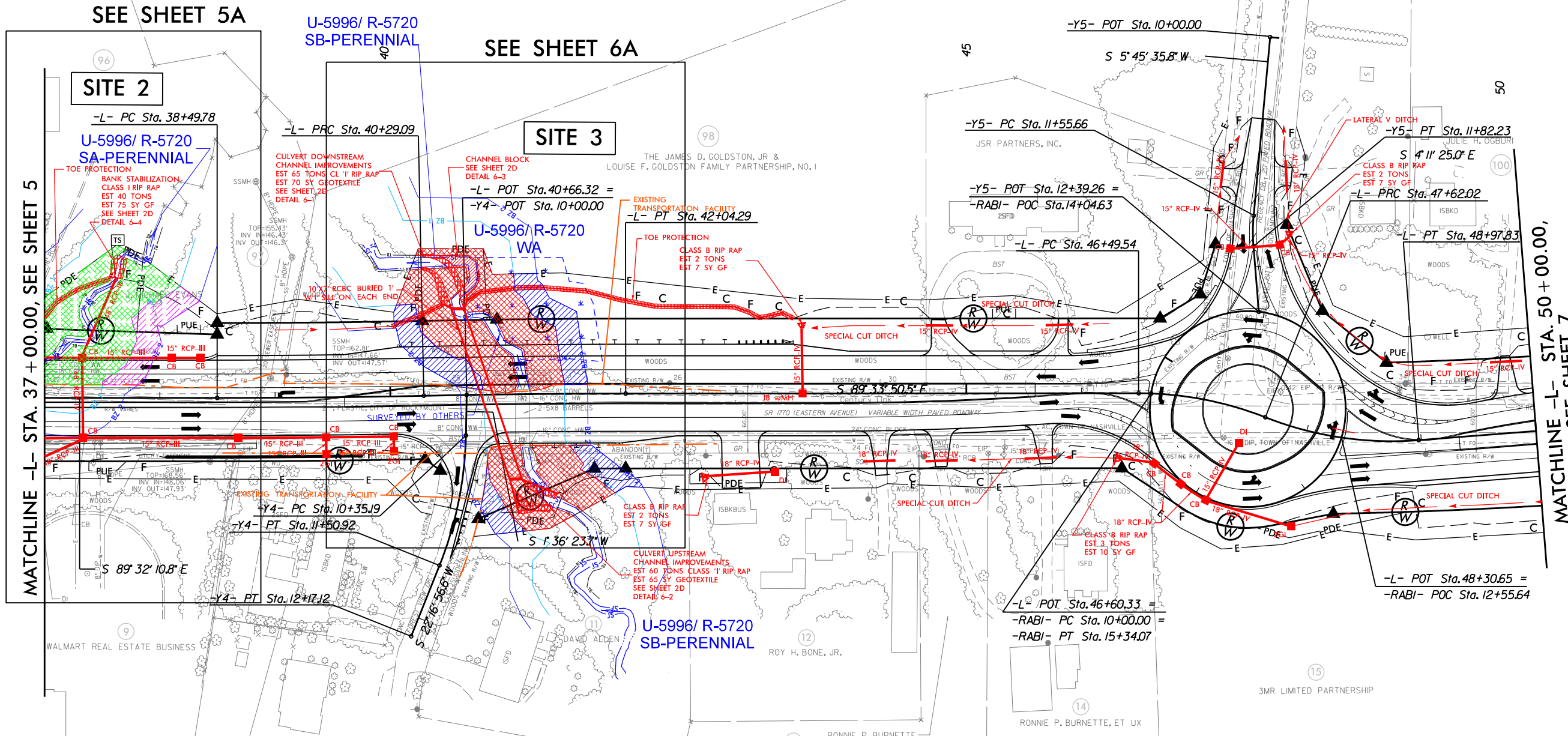
BARNHILL CONTRACTING COMPANY

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

PROJECT REFERENCE NO. U-5026 /R-5720	SHEET NO. 6
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	

LEGEND

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



MATCHLINE -L- STA. 37 + 00.00, SEE SHEET 5

MATCHLINE -L- STA. 50 + 00.00, SEE SHEET 7

SEE SHEET 5A

SEE SHEET 6A

SITE 2

SITE 3

-L- PC Sta. 38+49.78
U-5996/ R-5720 SA-PERENNIAL

-L- PRC Sta. 40+29.09
U-5996/ R-5720 SB-PERENNIAL

-L- POT Sta. 40+66.32 =
-Y4- POT Sta. 10+00.00
U-5996/ R-5720 WA

-Y5- PC Sta. 11+55.66

-Y5- POT Sta. 12+39.26 =
-RABI- POC Sta. 14+04.63

-L- PC Sta. 46+49.54

-Y5- PT Sta. 11+82.23

-L- PRC Sta. 47+62.02

-L- PT Sta. 48+97.83

-Y4- PC Sta. 10+35.19

-Y4- PT Sta. 11+50.92

-Y4- PT Sta. 12+17.12

U-5996/ R-5720 SB-PERENNIAL

-L- POT Sta. 46+60.33 =
-RABI- PC Sta. 10+00.00 =
-RABI- PT Sta. 15+34.07

-L- POT Sta. 48+30.65 =
-RABI- POC Sta. 12+55.64

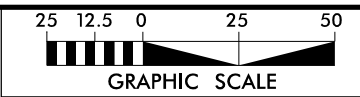
BUFFER DRAWING
SHEET OF

ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN PROJECT RIGHT-OF-WAY SHALL BE REMOVED AS DESCRIBED IN THE REQUEST FOR PROPOSAL UNLESS OTHERWISE NOTED ON THE PLANS.

SEE SHEET 29 & 30 FOR -L- PROFILE
SEE SHEET 47 FOR -Y4- PROFILE
SEE SHEET 48 FOR -Y5- PROFILE
SEE SHEET 44 FOR -RABI- PROFILE

PLOT DRIVER: NCDOT_color_eng_100.plt
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REVISIONS

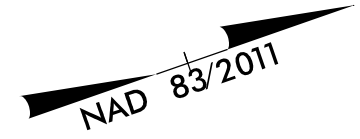
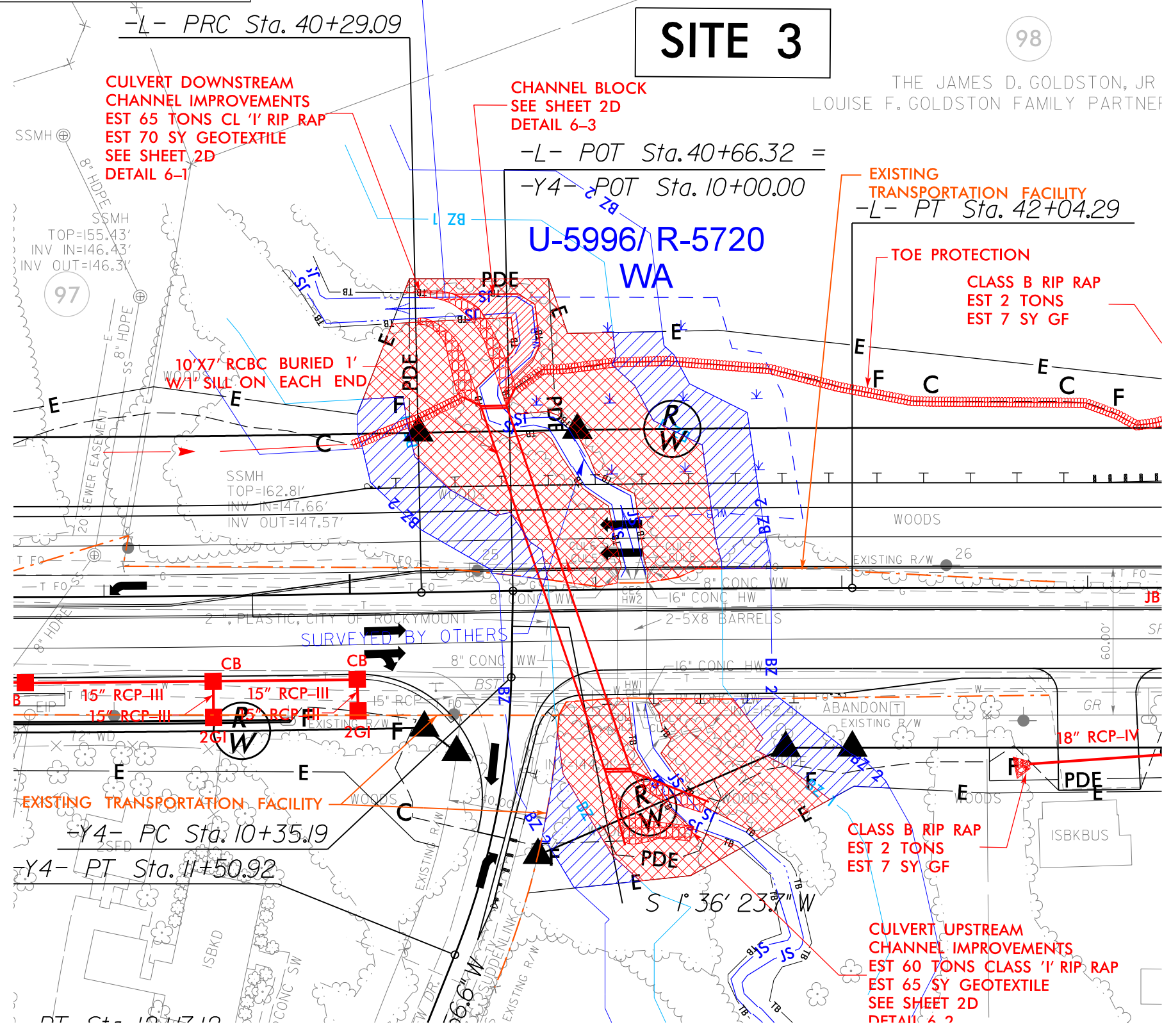


PROJECT REFERENCE NO. U-5026 / R-5720	SHEET NO. 6A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

LEGEND

- MITIGABLE IMPACTS ZONE 1
- MITIGABLE IMPACTS ZONE 2
- EXISTING TRANSPORTATION FACILITY LINE

SITE 3



BUFFER DRAWING
SHEET OF

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REVISIONS

LEGEND

- ALLOWABLE IMPACTS ZONE 1
- ALLOWABLE IMPACTS ZONE 2
- EXISTING TRANSPORTATION FACILITY LINE

BUFFER DRAWING SHEET OF

BARNHILL CONTRACTING COMPANY

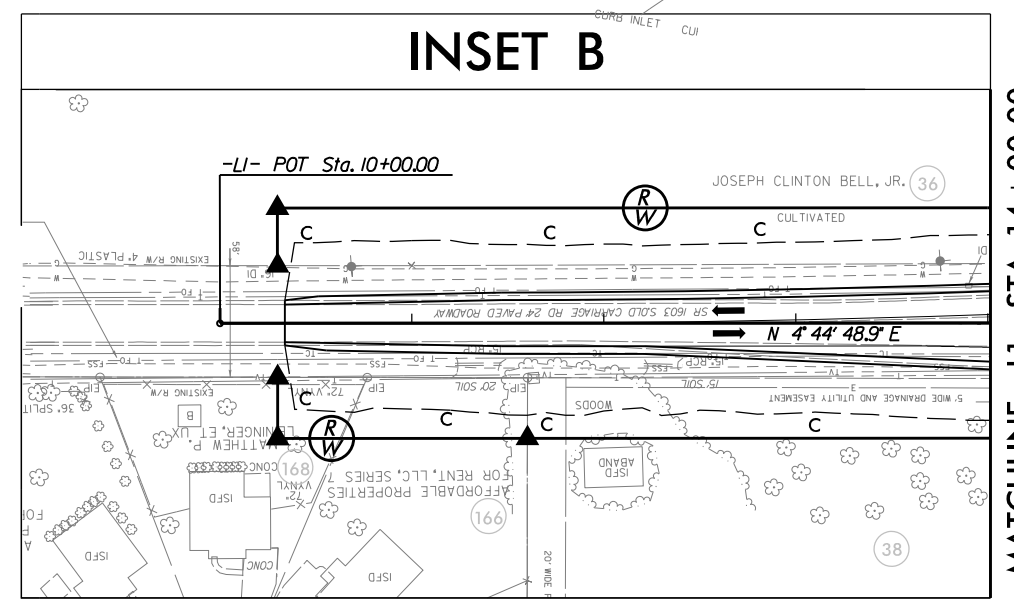
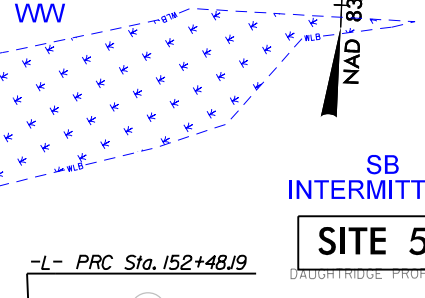
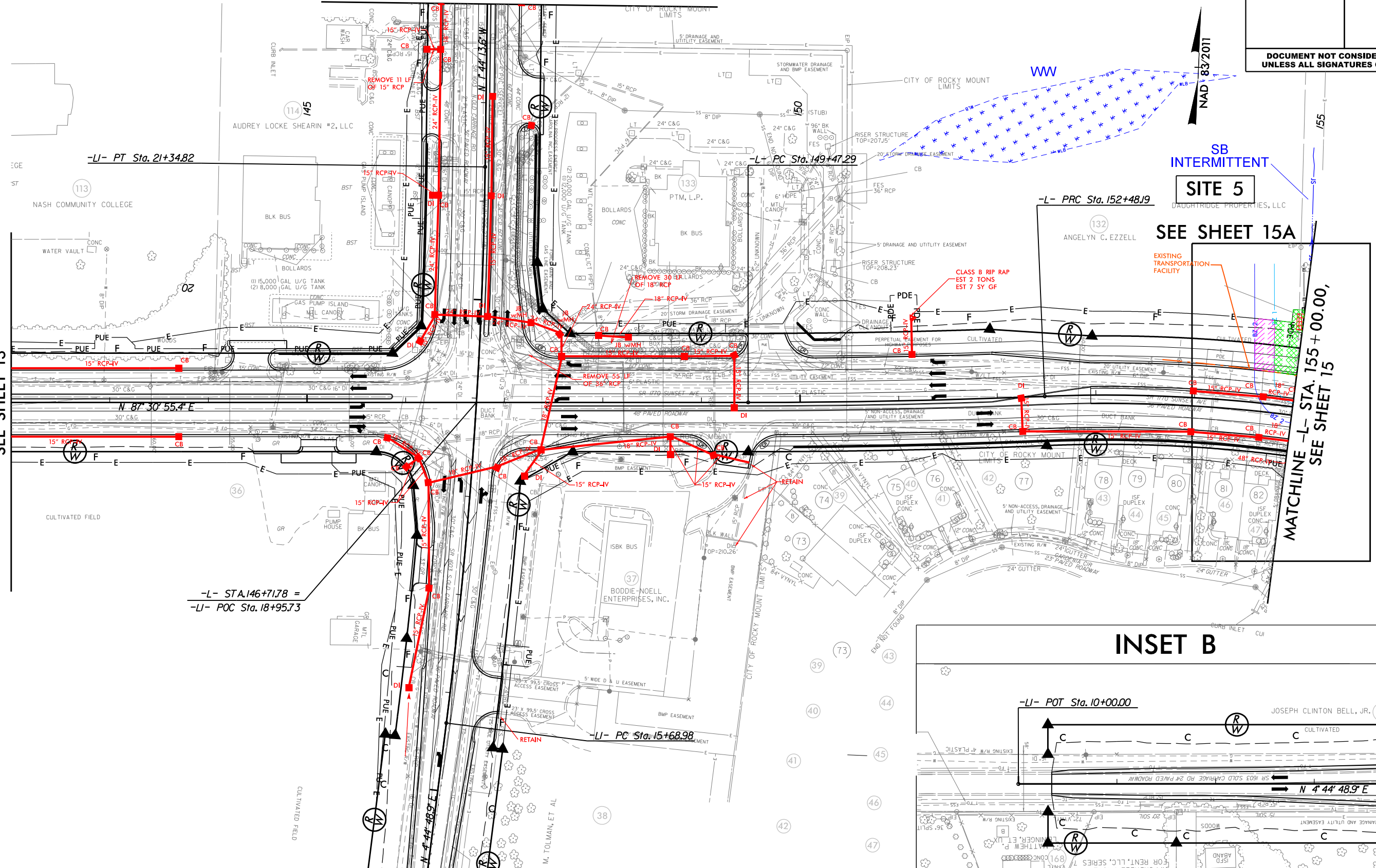
HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO. U-5026 /R-5720	SHEET NO. 14
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**MATCHLINE -LI- STA. 23+00.00,
SEE SHEET 19**

**MATCHLINE -L- STA. 142+00.00,
SEE SHEET 13**

**MATCHLINE -L- STA. 155+00.00,
SEE SHEET 15**



**-L- STA. 146+71.78 =
-LI- POC Sta. 18+95.73**

**MATCHLINE -LI- STA. 14+00.00,
SEE INSET B**

ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN PROJECT RIGHT-OF-WAY SHALL BE REMOVED AS DESCRIBED IN THE REQUEST FOR PROPOSAL UNLESS OTHERWISE NOTED ON THE PLANS.

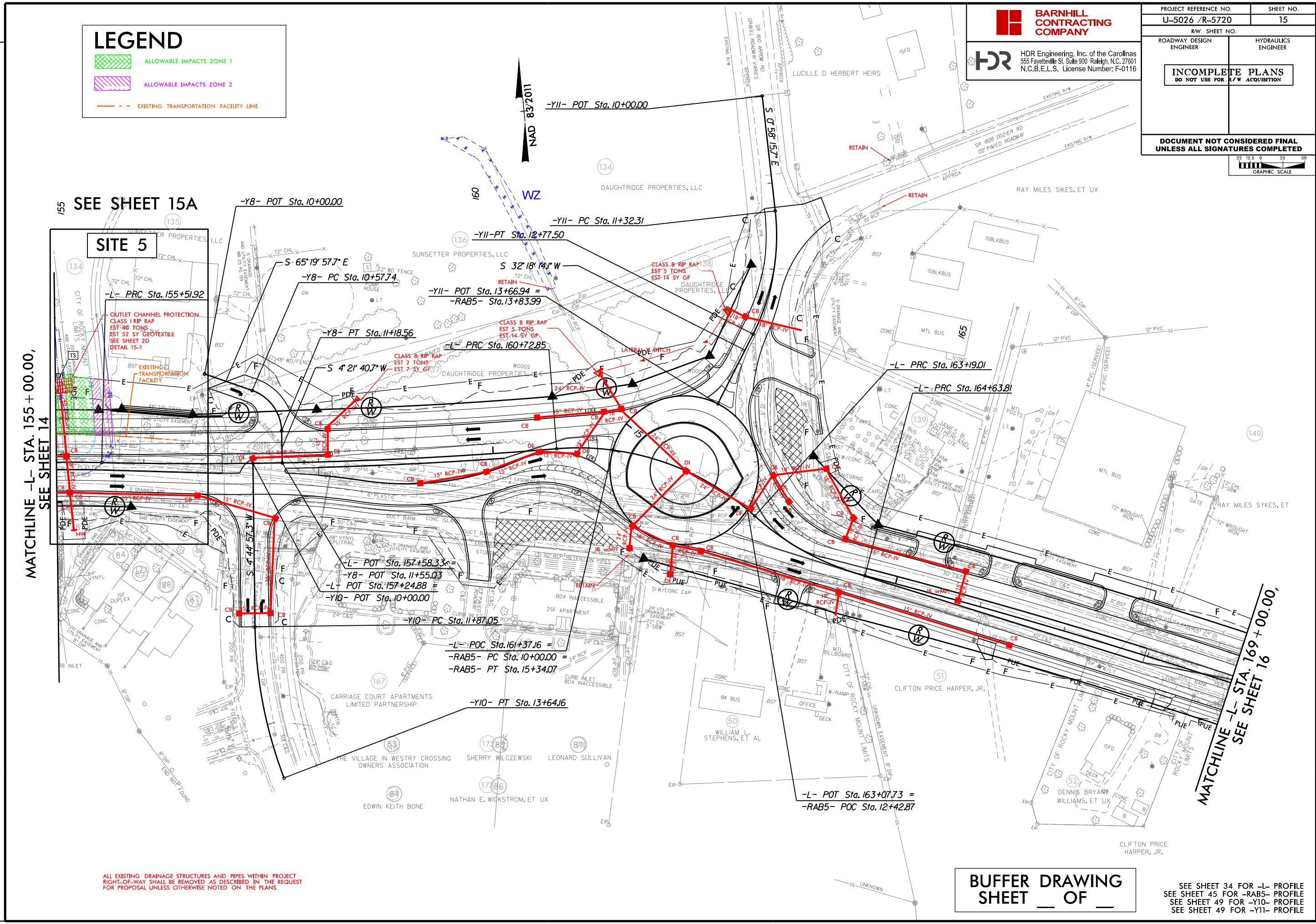
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 TIME: 12:47:35 PM
 DATE: 3/27/2020
 REVISIONS

MATCHLINE -LI- STA. 14+00.00

PROJECT REFERENCE NO.	SHEET NO.
U-5026 /R-5720	15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

LEGEND

- ALLOWABLE IMPACTS ZONE 1
- ALLOWABLE IMPACTS ZONE 2
- EXISTING TRANSPORTATION FACILITY LINE



MATCHLINE -L- STA. 155 + 00.00, SEE SHEET 14

MATCHLINE -L- STA. 169 + 00.00, SEE SHEET 16

ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN PROJECT RIGHT-OF-WAY SHALL BE REMOVED AS DESCRIBED IN THE REQUEST FOR PROPOSAL UNLESS OTHERWISE NOTED ON THE PLANS.

BUFFER DRAWING
SHEET OF

SEE SHEET 34 FOR -L- PROFILE
SEE SHEET 45 FOR -RAB5- PROFILE
SEE SHEET 49 FOR -Y10- PROFILE
SEE SHEET 49 FOR -Y11- PROFILE

PLOT DRIVER: NCDOT_color_eng_100.plt
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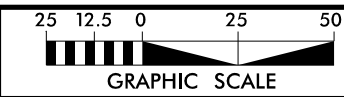
REVISIONS


PLOT DRIVER: NCDOT_color_eng_100.plt
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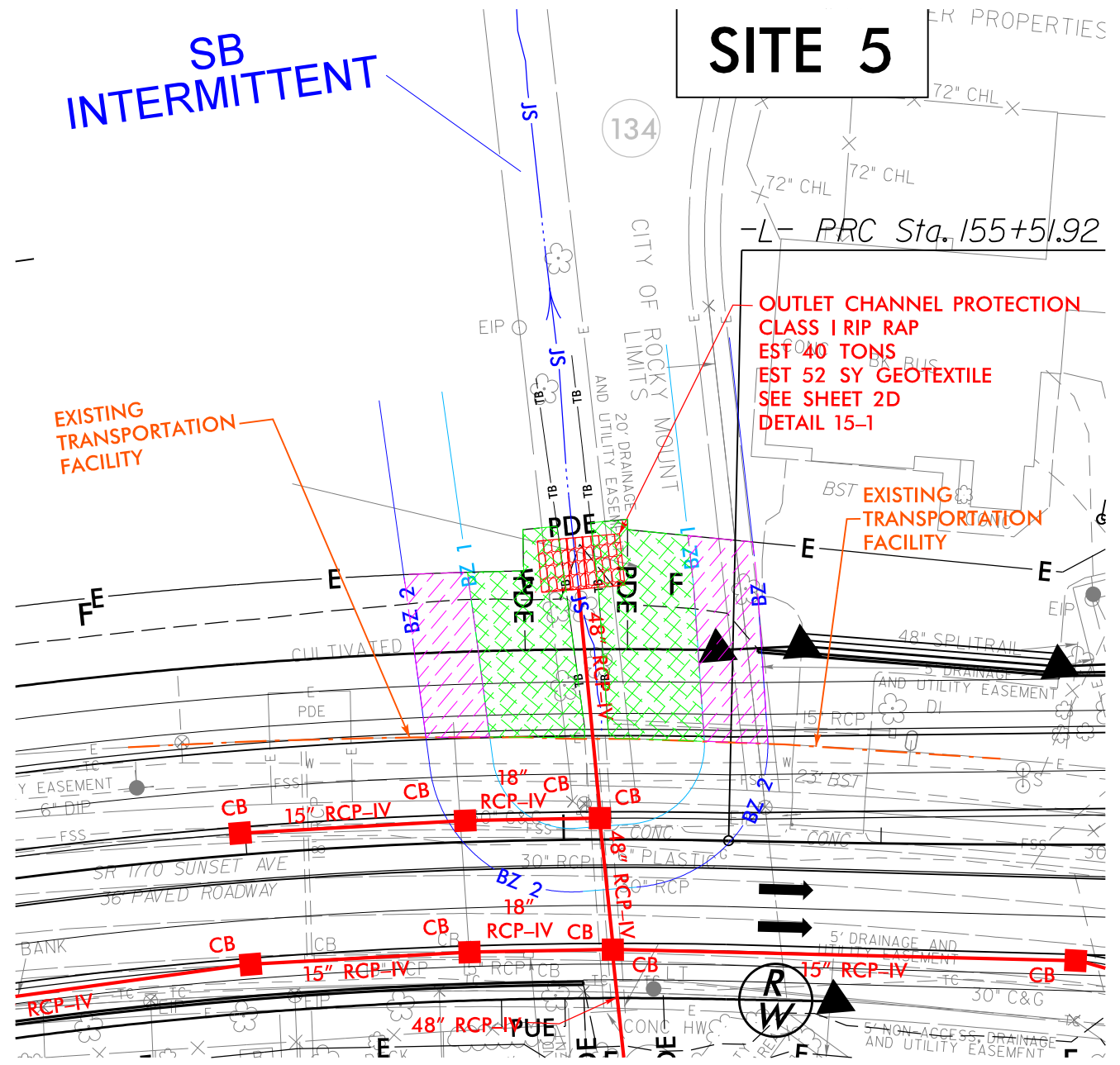
REVISIONS

LEGEND

-  ALLOWABLE IMPACTS ZONE 1
-  ALLOWABLE IMPACTS ZONE 2
-  EXISTING TRANSPORTATION FACILITY LINE



PROJECT REFERENCE NO. U-5026 /R-5720	SHEET NO. 15A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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BUFFER DRAWING
SHEET ___ OF ___

LEGEND

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

BUFFER DRAWING SHEET OF

PROJECT REFERENCE NO. LP-5026 / 8-5720

DATE: 7/27/2020

BY: [Redacted]

SHEET NO. 16

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

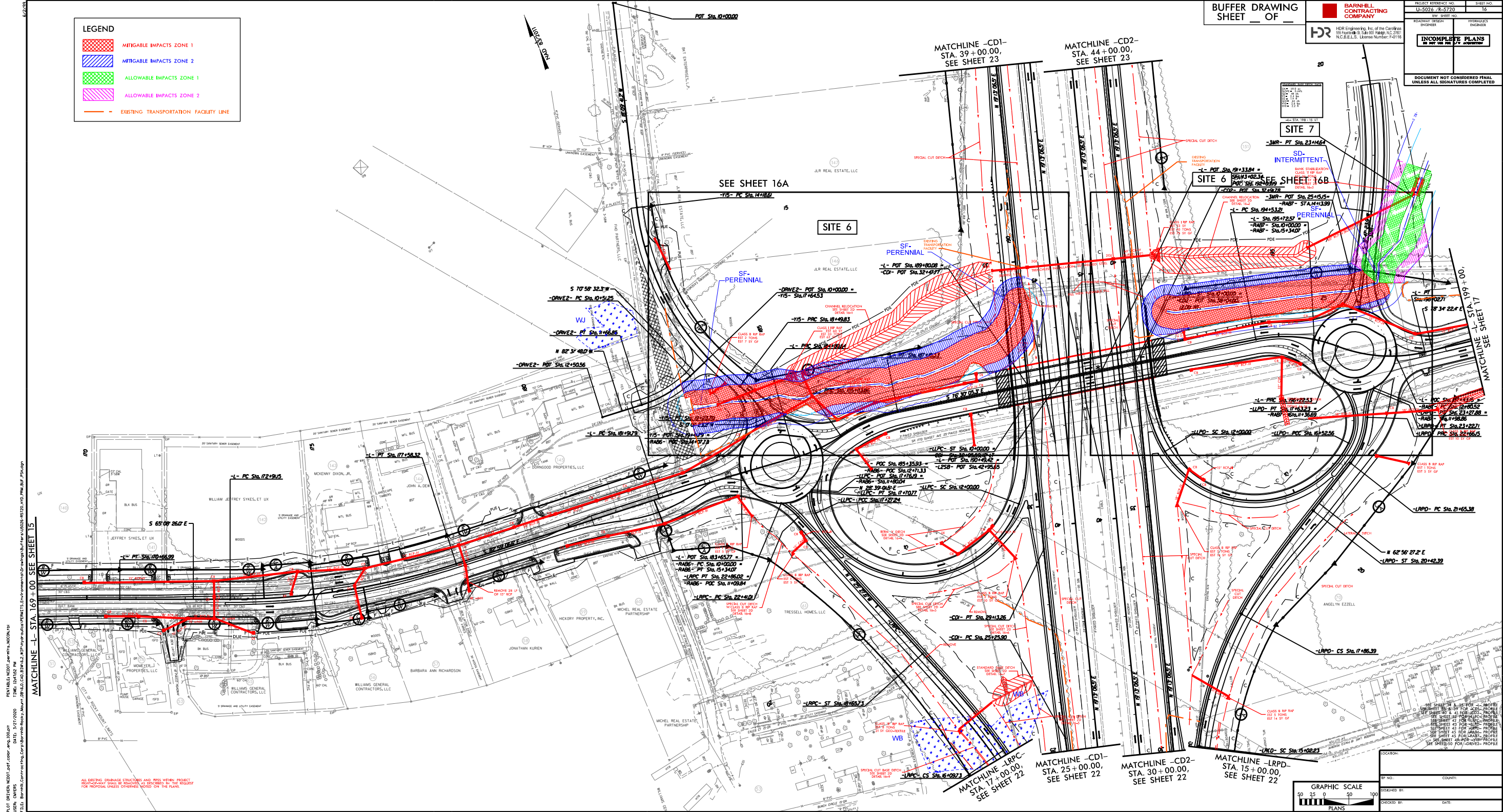
BARNHILL CONTRACTING COMPANY

1409 Engineering, Inc. of the Carolinas
255 Parkway Dr., Suite 100, Raleigh, NC 27607
N.C.S.E.L.S. License Number: F-21116

INCOMPLETE PLANS

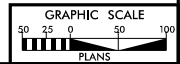
DO NOT SCALE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



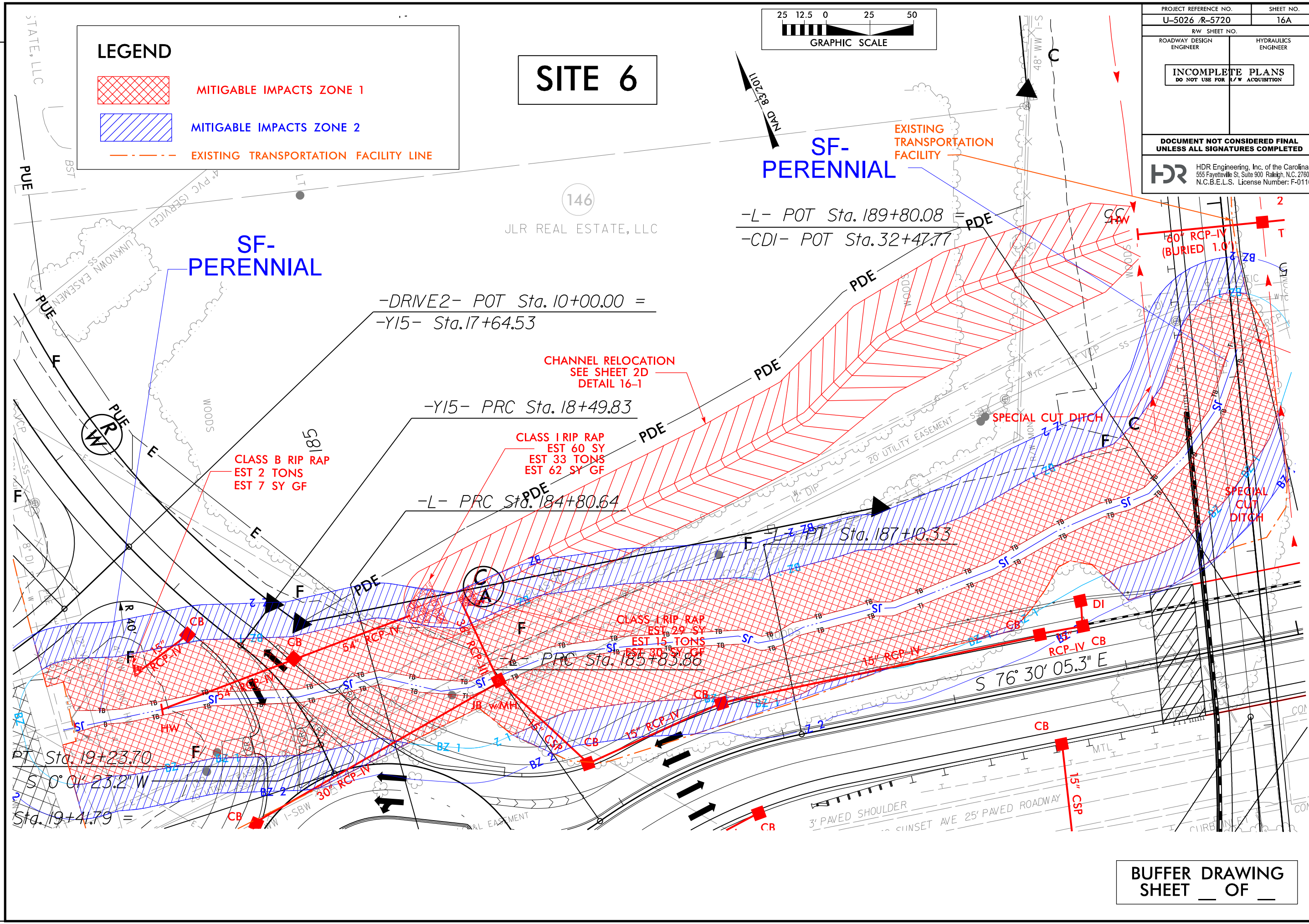
PLOT: D:\PLOT\2020\168.dwg, 4/11/2024 10:00 AM
 USER: C:\Users\jwheeler\OneDrive\Documents\2020\168.dwg
 PLOTTER: HP DesignJet 5000 Series PCL6
 PLOT SCALE: 1:1
 PLOT SHEET: 16
 PLOT DATE: 7/27/2020 10:00 AM
 PLOT BY: jwheeler

ALL EXISTING CHANNELS, STRUCTURES AND PILES WITHIN PROJECT RIGHT-OF-WAY SHALL BE REMOVED AS DESCRIBED IN THE REPORT FOR PROPOSAL UNLESS OTHERWISE NOTED ON THE PLANS.



LOCATION: _____
 COUNTY: _____
 CHECKED BY: _____
 DATE: _____

PLOT DRIVER: NCDOT_color_eng_100.plt
 USER: CMYERS
 DATE: 3/27/2020
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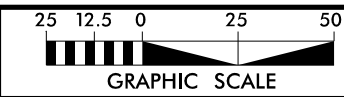
BUFFER DRAWING
SHEET ___ **OF** ___

PLOT DRIVER: NCDOT_color_eng_100.plt
USER: CMYERS
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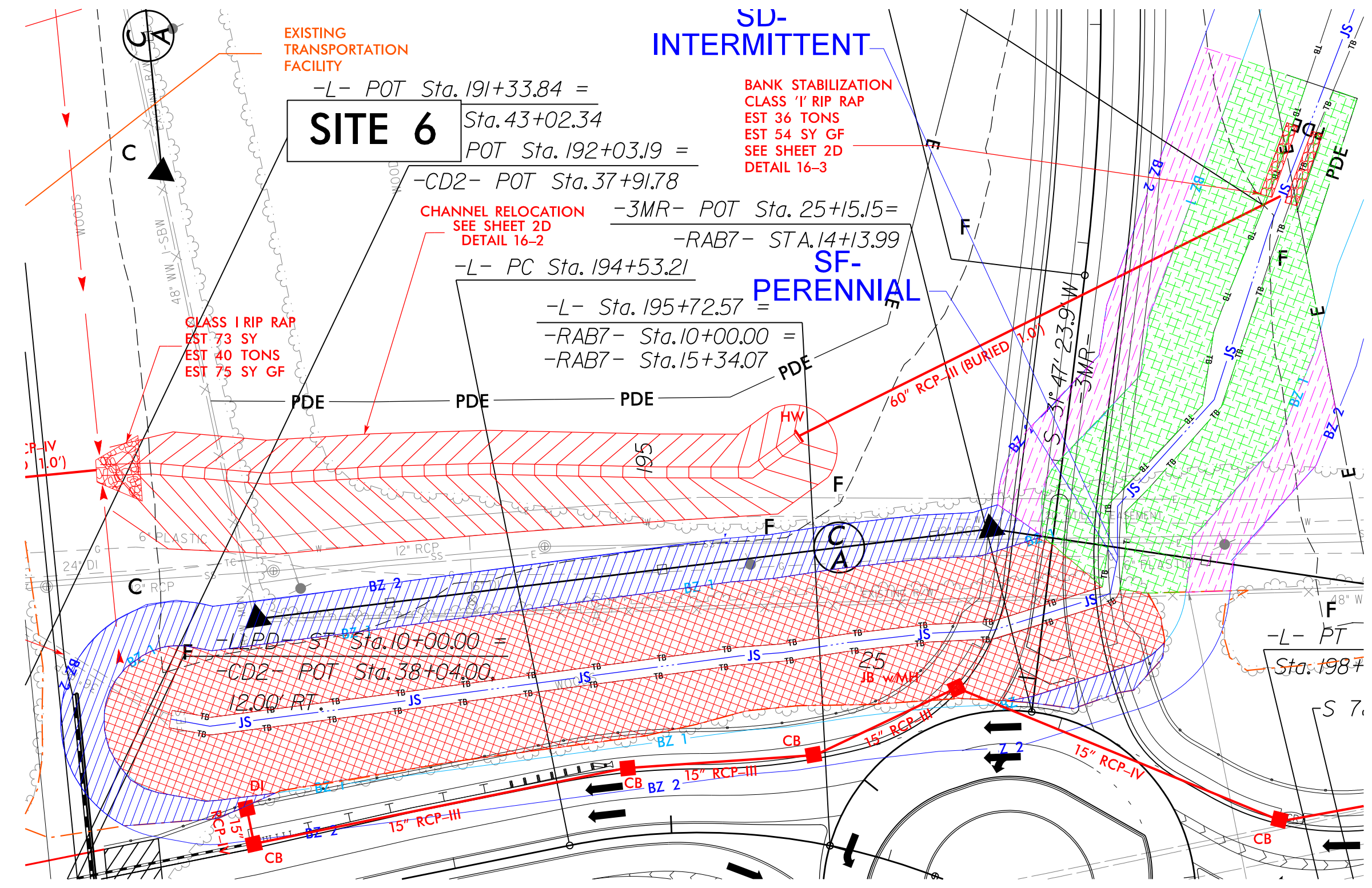
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DATE: 3/27/2020

REVISIONS

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



PROJECT REFERENCE NO. U-5026 /R-5720	SHEET NO. 16B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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	

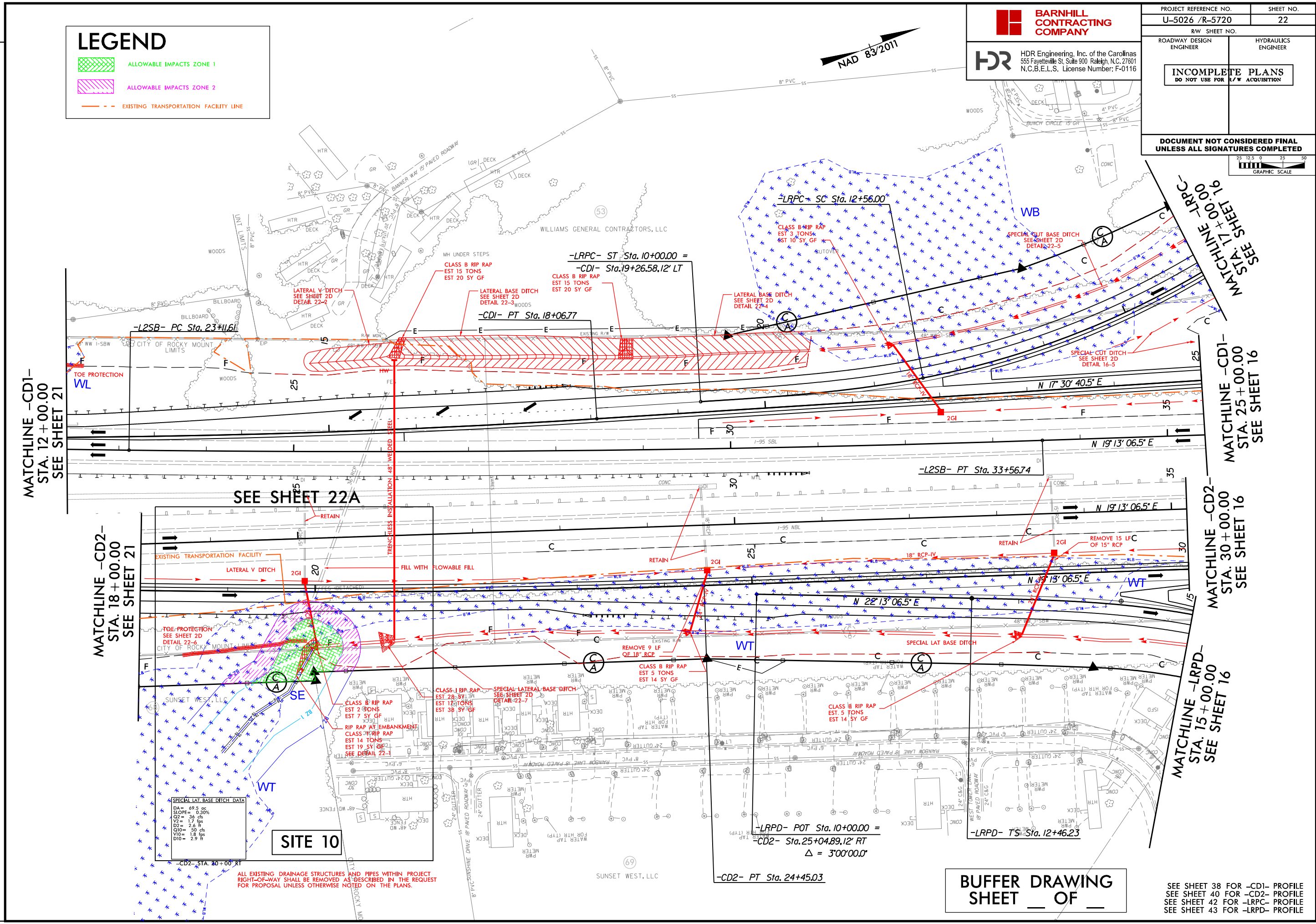
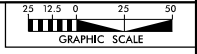


LEGEND

- ALLOWABLE IMPACTS ZONE 1
- ALLOWABLE IMPACTS ZONE 2
- EXISTING TRANSPORTATION FACILITY LINE

BARNHILL CONTRACTING COMPANY
 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

PROJECT REFERENCE NO. U-5026 /R-5720	SHEET NO. 22
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



SPECIAL LAT. BASE DITCH DATA

DA =	69.5	oc
SLOPE =	0.00%	
D2 =	26	cf
D3 =	17	cf
D4 =	2.6	ft
D5 =	30	cf
D6 =	1.8	ft
D7 =	2.9	ft

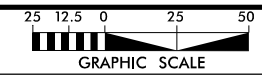
ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN PROJECT RIGHT-OF-WAY SHALL BE REMOVED AS DESCRIBED IN THE REQUEST FOR PROPOSAL UNLESS OTHERWISE NOTED ON THE PLANS.

BUFFER DRAWING SHEET OF

SEE SHEET 38 FOR -CD1- PROFILE
 SEE SHEET 40 FOR -CD2- PROFILE
 SEE SHEET 42 FOR -LRPC- PROFILE
 SEE SHEET 43 FOR -LRPD- PROFILE

PLOT DRIVER: NCDOT_color_eng_100.plt
 USER: CMYERS
 PENTABLE: NCDOT_permits_NCON.tbl
 TIME: 12:48:12 PM
 DATE: 3/27/2020
 FILE: BarnhillContracting_Corp\Barnhill-Rocky_Mount\DB\6.0_CAD_BIM\6.2_WIP\Hydrolics\PERMITS_Environment\Drawings\U5026-R5720-HYD_PRRM_BUF_PSH.dgn

REVISIONS



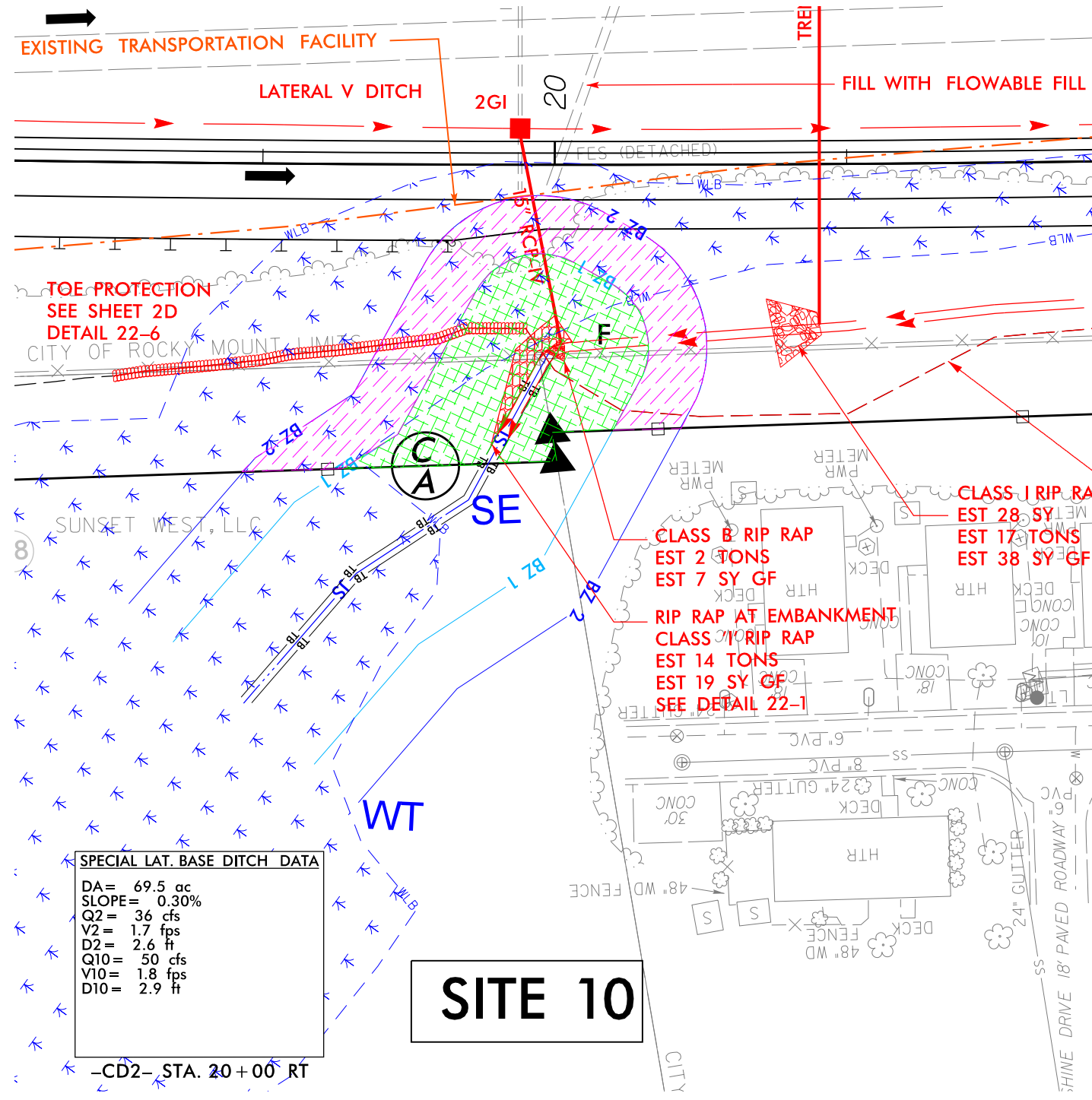
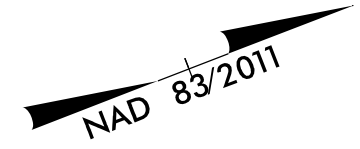
PROJECT REFERENCE NO. U-5026R-5720	SHEET NO. 22A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

LEGEND

ALLOWABLE IMPACTS ZONE 1

ALLOWABLE IMPACTS ZONE 2

EXISTING TRANSPORTATION FACILITY LINE



SPECIAL LAT. BASE DITCH DATA

DA = 69.5 ac
 SLOPE = 0.30%
 Q2 = 36 cfs
 V2 = 1.7 fps
 D2 = 2.6 ft
 Q10 = 50 cfs
 V10 = 1.8 fps
 D10 = 2.9 ft

SITE 10

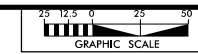
-CD2- STA. 20+00 RT

BUFFER DRAWING
SHEET ___ OF ___

PLOT DRIVER: NCDOT_color_eng_100.plt
 USER: CMYERS
 DATE: 3/27/2020
 TIME: 12:48:18 PM
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REVISIONS

PLOT DRIVER: NCDOT_color_eng_100.plt
 USER: CMYERS
 DATE: 3/27/2020
 FILE: BarnhillContracting_Corp\Barnhill-Rocky_Mount\DB\6.0_CAD_BIM\6.2_WIP\Hydrolics\PERMITS_Environment\Drawings\Buffer\U5026-R5720-HYD_PRM_BUF_PSH.dgn



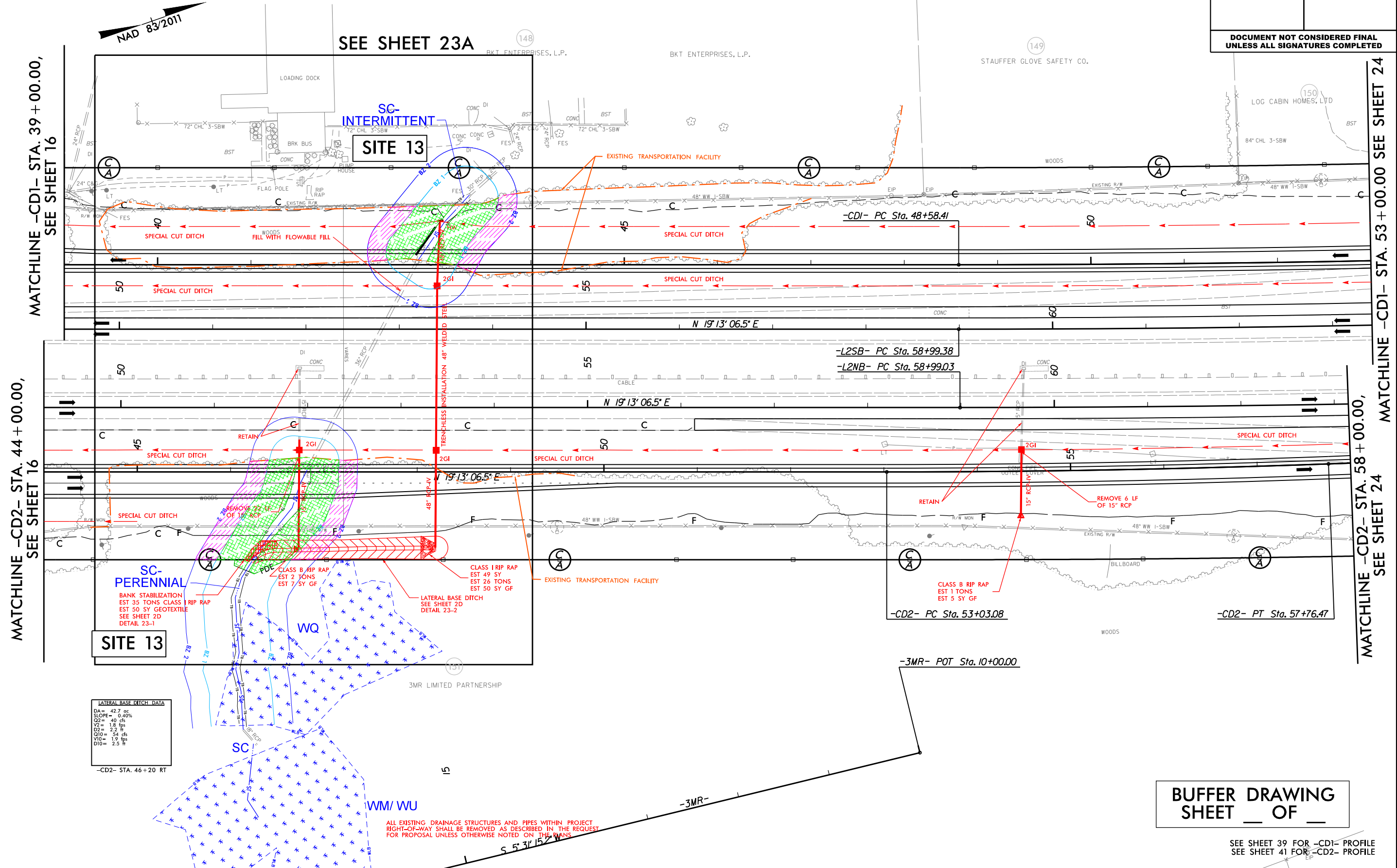
BARNHILL CONTRACTING COMPANY

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

PROJECT REFERENCE NO. U-5026 /R-5720	SHEET NO. 23
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	

LEGEND

- ALLOWABLE IMPACTS ZONE 1
- ALLOWABLE IMPACTS ZONE 2
- EXISTING TRANSPORTATION FACILITY LINE



LATERAL BASE DITCH DATA

DA =	42.7	ac
SLOPE =	0.40%	
CZ =	40	cf
V2 =	1.8	fps
CZ2 =	2.2	H
Q10 =	54	cf
V10 =	1.9	fps
D10 =	2.5	H

ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN PROJECT RIGHT-OF-WAY SHALL BE REMOVED AS DESCRIBED IN THE REQUEST FOR PROPOSAL UNLESS OTHERWISE NOTED ON THE PLANS.

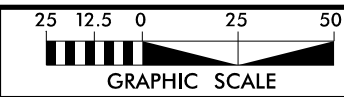
BUFFER DRAWING
SHEET ___ OF ___


SEE SHEET 39 FOR -CD1- PROFILE
 SEE SHEET 41 FOR -CD2- PROFILE

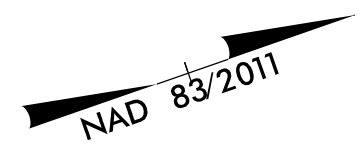
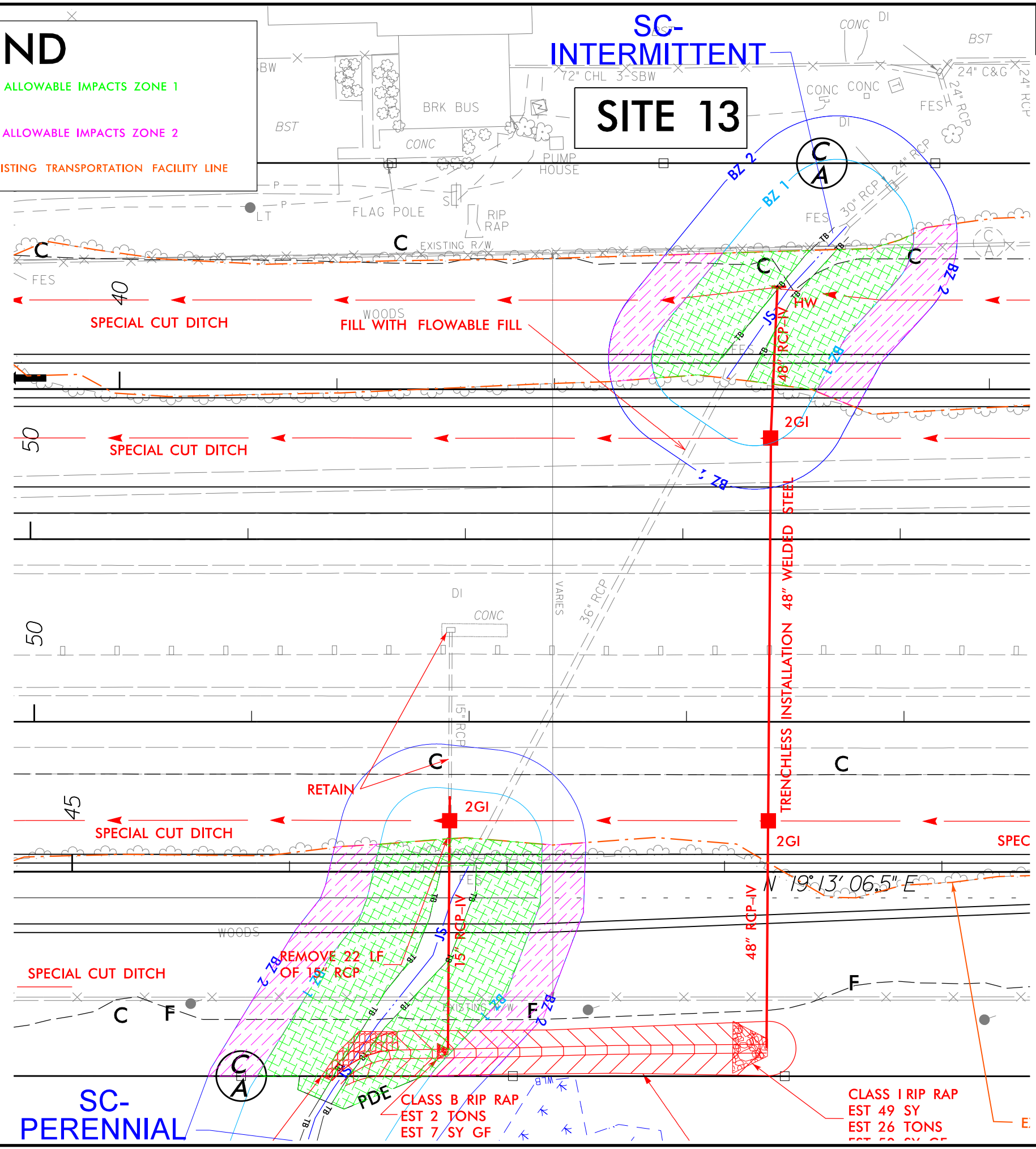
PLOT DRIVER: NCDOT_color_eng_100.plt
 USER: CMYERS
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 PENTABLE: NCDOT_permits_NCON.tbl
 DATE: 3/27/2020
 TIME: 12:48:31 PM
 REVISIONS

LEGEND

-  ALLOWABLE IMPACTS ZONE 1
-  ALLOWABLE IMPACTS ZONE 2
-  EXISTING TRANSPORTATION FACILITY LINE



PROJECT REFERENCE NO. U-5026 /R-5720	SHEET NO. 23A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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BUFFER DRAWING
 SHEET ___ OF ___

RIPARIAN BUFFER IMPACTS SUMMARY

SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	IMPACT									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)		
1	BANK AND SCOUR HOLE STABILIZATION	14+50 -L- LT	X			2534	645	3179					
2	48" RCP-III, BANK STABILIZATION	37+00 -L- LT	X			8726	2872	11598					
3	10'X7' RCBC	40+84 -L- CL	X						13755	6263	20018		
5	48" RCP-IV, OUTLET CHANNEL PROTECTION	155+11 -L- LT	X			3750	2329	6079					
6	ROADWAY FILL	183+14 - 197+33 -L- LT			X				70694	34994	105688		
7	ROADWAY FILL, BASE DITCH AND BANK STABILIZATION	197+00 -L- LT	X			13629	7109	2355					
10	SPECIAL LATERAL BASE DITCH	20+00 -CD2- RT	X			4206	4484	8690					
13	15" RCP-IV, 48" RCP-IV, LATERAL BASE DITCH	46+73 -CD2- RT, 43+00 -CD1- LT	X			12550	8093	20643					
TOTAL:						45395	25532	52544	84449	41257	125706	0	0

N.C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS

 NASH COUNTY
 PROJECT: TIP U-5026

 3/26/2020
 SHEET OF

WETLANDS IN BUFFER IMPACTS SUMMARY

SITE NO.	STATION (FROM/TO)	WETLANDS IN BUFFERS	
		ZONE 1 (ft ²)	ZONE 2 (ft ²)
3	40+84 -L- CL	3181	1849
10	20+00 -CD2- RT	1573	3454
TOTAL:		4754	5303

N.C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS

 NASH COUNTY
 PROJECT: TIP U-5026

 3/26/2020
 SHEET OF