

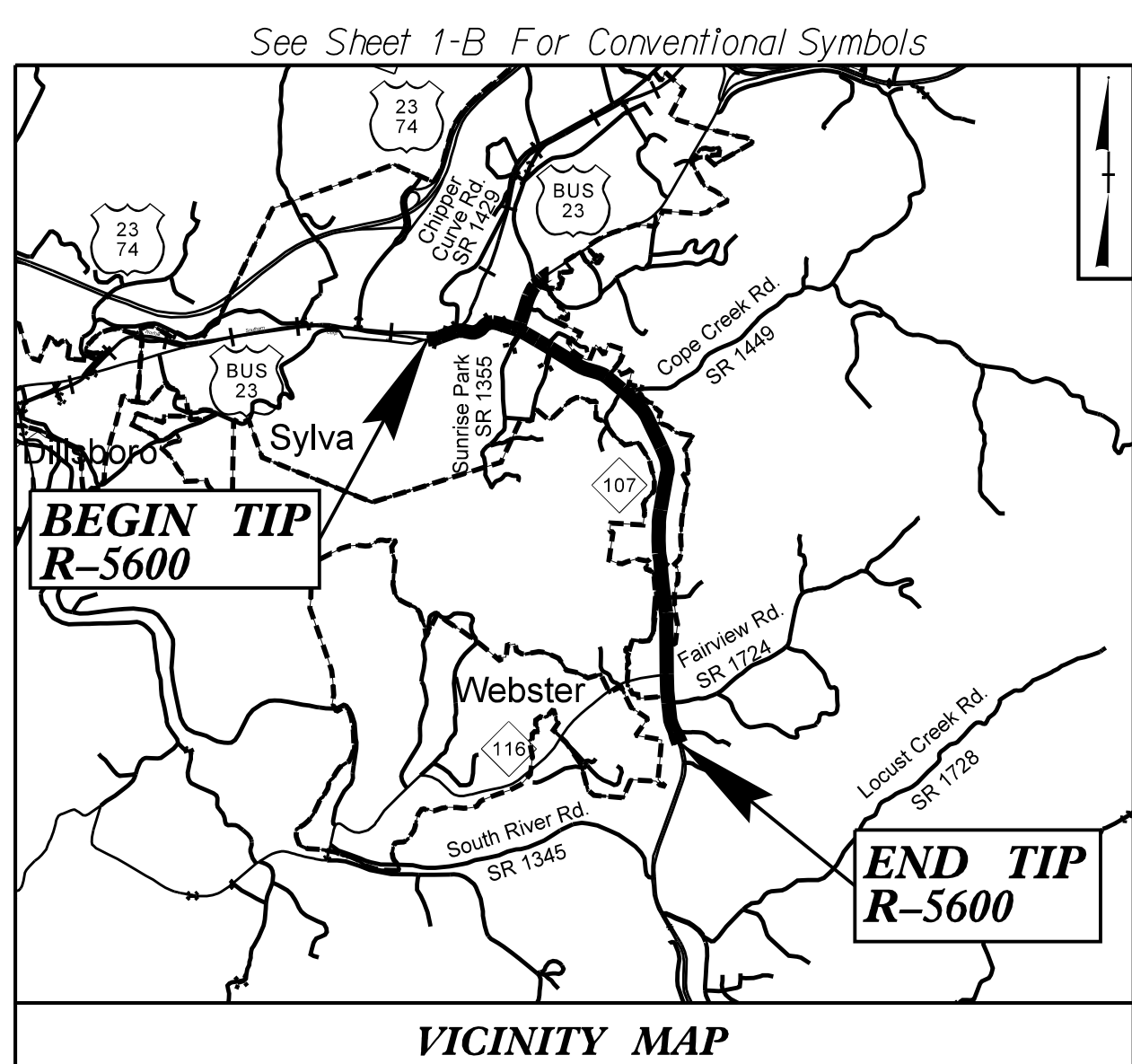
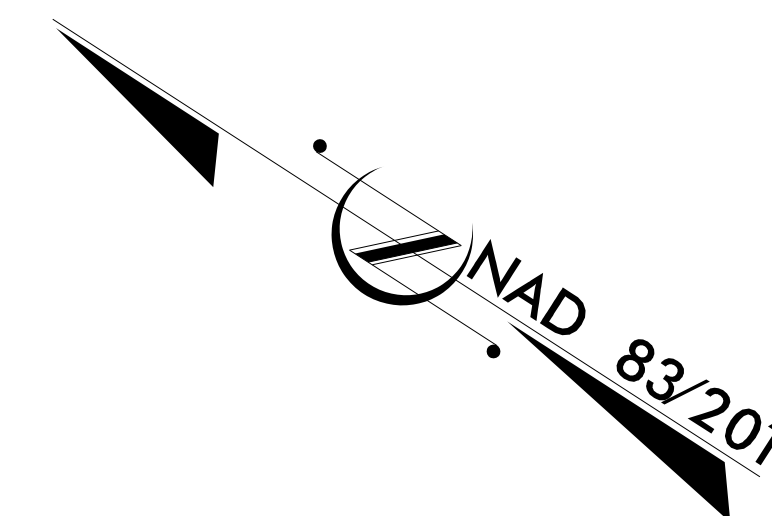
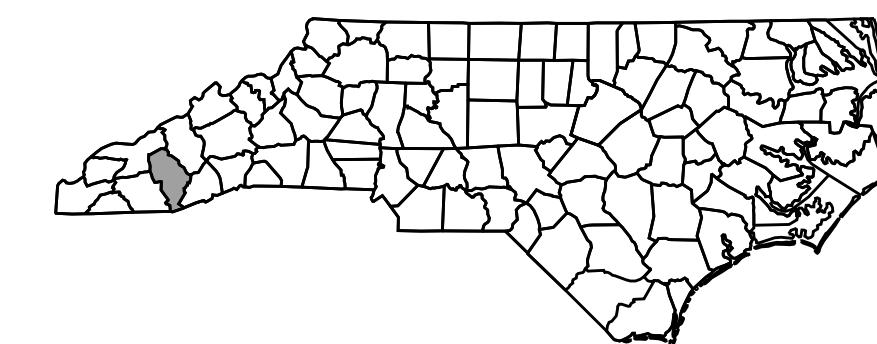
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

JACKSON COUNTY

LOCATION: SYLVA - N.C. 107 FROM WEST OF U.S. 23 BUSINESS (ASHEVILLE HIGHWAY) TO SOUTH OF N.C. 116 (WEBSTER ROAD) AND U.S. 23 BUS. FROM SKYLAND DRIVE TO WEST OF MUNICIPAL DRIVE

TYPE OF WORK: GRADING, PAVING, DRAINAGE, RETAINING WALLS, STRUCTURES AND SIGNALS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5600	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45818.1.FR1	STP-0107(13)	PE	
45818.2.1		ROWUTIL.	
45818.3.FR1		CONSTRUCTION	



TIP PROJECT: R-5600

END CONSTRUCTION
-Y- STA. 28 + 50.00

END BRIDGE
-L- STA. 27 + 69±

BEGIN BRIDGE
-L- STA. 26 + 79±

BEGIN EXISTING BRIDGE REHAB

END EXISTING BRIDGE REHAB

BEGIN TIP PROJECT R-5600
-L- STA. 11 + 25.00

ROW SUBJECT TO CHANGE
BEGIN -L- STA. 107 + 50±

ROW SUBJECT TO CHANGE
END -L- STA. 135 + 50±

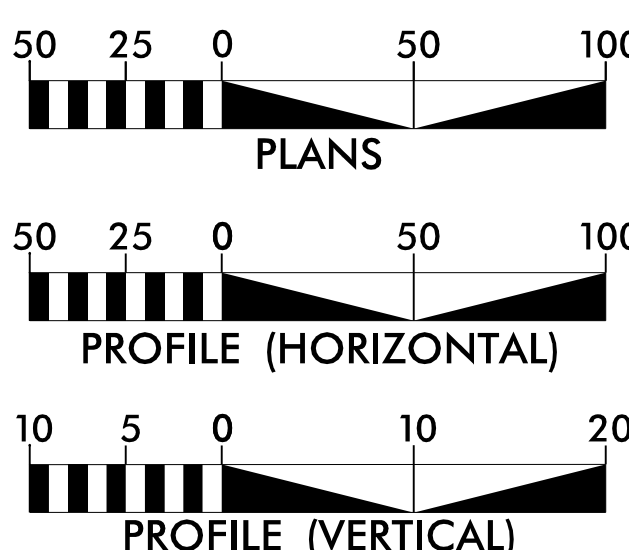
END TIP PROJECT R-5600
-L- STA. 149 + 57.42

NOTES:
THIS PROJECT HAS PARTIALLY CONTROLLED ACCESS WITH ACCESS BEING LIMITED TO POINTS SHOWN ON THE PLANS. A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF SYLVA. CLEARING ON THIS PROJECT SHOULD BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.
DESIGN SPEED = 30 MPH FROM -L- STA. 11+25.00 TO 29+50.00
DESIGN SPEED = 40 MPH FROM -L- STA. 29+50.00 TO 123+00.00
DESIGN SPEED = 50 MPH FROM -L- STA. 123+00.00 TO 149+57.42

★ PROPOSED TRAFFIC SIGNAL
☆ UPGRADED TRAFFIC SIGNAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2020 = 34,300
ADT 2040 = 40,800
K = 9 %
D = 55 %
T = 5 % *
V = 30 MPH TO 50 MPH
* TTST = 4% DUAL = 3%
FUNC CLASS = ARTERIAL
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-5600 = 2.603 MILES
LENGTH STRUCTURES TIP PROJECT R-5600 = 0.017 MILES
TOTAL LENGTH TIP PROJECT R-5600 = 2.620 MILES



Prepared In the Office of:
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:
JULY 16, 2021

LETTING DATE:
JULY 16, 2024

PHILLIP E. ROGERS, PE
PROJECT ENGINEER

ALEXANDER D. SNIDER, PE
PROJECT DESIGN ENGINEER

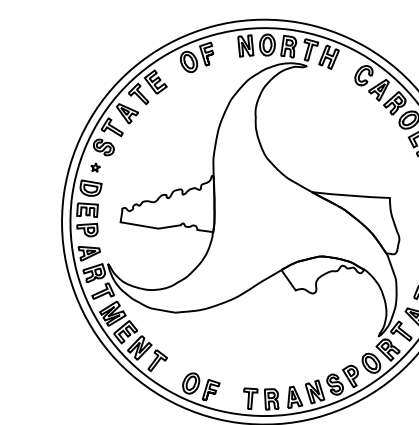
JEANETTE WHITE, PE
NCDOT CONTACT

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



09/08/2022
 REVISIONS
 907/2021 PSH 06 & ROW 06: TCE ADDED; PARCEL 32; PSH 07 & ROW 07: TCE REVISED; PARCEL 58; PSH 08 & ROW 08: TCE REVISED; PARCEL 85
 907/2021 PSH 09 & ROW 09: TCE REVISED; PARCEL 85; PSH 12 & ROW 12: TCE REVISED; PARCELS 138 AND 139
 92/2021 PSH 13 & ROW 13: TCE ADDED; PARCEL 133
 102/2021 PSH 04 & ROW 04: PARCEL 1 REMOVED; TCE REVISED; PARCEL 2
 127/2022 PSH 05 & ROW 05: PARCEL 35 OWNER CHANGE; PSH 07 & ROW 07: PARCELS 59&63 OWNER CHANGES; PSH 13 & ROW 13: PARCEL 147 OWNER CHANGE
 2/18/2022 PSH 05 & ROW 05: PARCEL OWNERS 12 & 13 COMBINED INTO PARCEL 12; PSH 05 & ROW 05 & ROW 06: PARCEL OWNERS 20, 33 & 34 COMBINED INTO PARCEL 20; PSH 10&11 & ROW 10&11: ROW, PUE, & TCE REVISED ON PARCELS 108 & 109; PSH 11 & ROW 11: PUE REMOVED FROM PARCELS 110 & 111

PLOT DRIVER: NCDOT_pcf_color_eng_50.ppt
 USER: ASNIDER
 FILE: \

PENTABLE: R5600_pshp.fltd
 TIME: 1:03:39 PM
 DATE: 7/11/2022

CONTRACT:

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
Computed Property Corner	-----
Property Monument	□ ECM
Parcel/Sequence Number	① 23
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	----- WLB
Proposed Wetland Boundary	----- WLB
Existing Endangered Animal Boundary	----- EAB
Existing Endangered Plant Boundary	----- EPB
Existing Historic Property Boundary	----- HPB
Known Contamination Area: Soil	☠ - S - ☠
Potential Contamination Area: Soil	☠ - S - ☠
Known Contamination Area: Water	☠ - W - ☠
Potential Contamination Area: Water	☠ - W - ☠
Contaminated Site: Known or Potential	☠ ?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○ S
Well	○ W
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	----- JS
Buffer Zone 1	----- BZ 1
Buffer Zone 2	----- BZ 2
Flow Arrow	←
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ MILEPOST 35
Switch	□ SWITCH
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY & PROJECT CONTROL:

Secondary Horiz and Vert Control Point	◆
Primary Horiz Control Point	○
Primary Horiz and Vert Control Point	◆
Exist Permanent Easement Pin and Cap	◇
New Permanent Easement Pin and Cap	◆
Vertical Benchmark	▲
Existing Right of Way Marker	△
Existing Right of Way Line	-----
New Right of Way Line	-----
New Right of Way Line with Pin and Cap	-----
New Right of Way Line with Concrete or Granite R/W Marker	-----
New Control of Access Line with Concrete C/A Marker	-----
Existing Control of Access	-----
New Control of Access	-----
Existing Easement Line	----- E
New Temporary Construction Easement	----- E
New Temporary Drainage Easement	----- TDE
New Permanent Easement	----- PE
New Permanent Drainage Easement	----- PDE
New Permanent Drainage / Utility Easement	----- DUE
New Permanent Utility Easement	----- PUE
New Temporary Utility Easement	----- TUE
New Aerial Utility Easement	----- AUE

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	----- C
Proposed Slope Stakes Fill	----- F
Proposed Curb Ramp	----- CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

VEGETATION:

Single Tree	○
Single Shrub	○

Note: Not to Scale *S.U.E. = *Subsurface Utility Engineering*

Hedge	-----
Woods Line	-----
Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	----- CONC
Bridge Wing Wall, Head Wall and End Wall	----- CONC WW
MINOR:	
Head and End Wall	----- CONC HW
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	----- CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	----- S
Storm Sewer	----- S

UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊗
Power Transformer	⊗
U/G Power Cable Hand Hole	-----
H-Frame Pole	-----
U/G Power Line LOS B (S.U.E.*)	----- P
U/G Power Line LOS C (S.U.E.*)	----- P
U/G Power Line LOS D (S.U.E.*)	----- P

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	-----
U/G Telephone Cable LOS B (S.U.E.*)	----- T
U/G Telephone Cable LOS C (S.U.E.*)	----- T
U/G Telephone Cable LOS D (S.U.E.*)	----- T
U/G Telephone Conduit LOS B (S.U.E.*)	----- TC
U/G Telephone Conduit LOS C (S.U.E.*)	----- TC
U/G Telephone Conduit LOS D (S.U.E.*)	----- TC
U/G Fiber Optics Cable LOS B (S.U.E.*)	----- T FO
U/G Fiber Optics Cable LOS C (S.U.E.*)	----- T FO
U/G Fiber Optics Cable LOS D (S.U.E.*)	----- T FO

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line LOS B (S.U.E.*)	-----
U/G Water Line LOS C (S.U.E.*)	-----
U/G Water Line LOS D (S.U.E.*)	-----
Above Ground Water Line	----- A/G Water

TV:

TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	-----
U/G TV Cable LOS B (S.U.E.*)	----- TV
U/G TV Cable LOS C (S.U.E.*)	----- TV
U/G TV Cable LOS D (S.U.E.*)	----- TV
U/G Fiber Optic Cable LOS B (S.U.E.*)	----- TV FO
U/G Fiber Optic Cable LOS C (S.U.E.*)	----- TV FO
U/G Fiber Optic Cable LOS D (S.U.E.*)	----- TV FO

GAS:

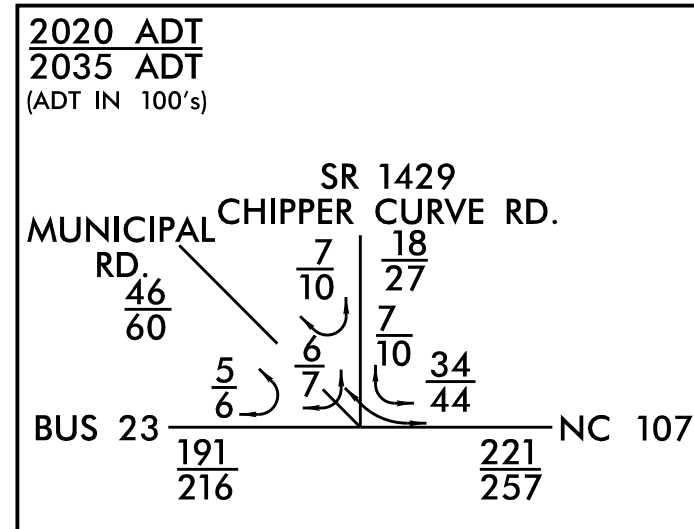
Gas Valve	◇
Gas Meter	⊕
U/G Gas Line LOS B (S.U.E.*)	----- G
U/G Gas Line LOS C (S.U.E.*)	----- G
U/G Gas Line LOS D (S.U.E.*)	----- G
Above Ground Gas Line	----- A/G Gas

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	----- SS
Above Ground Sanitary Sewer	----- A/G Sanitary Sewer
SS Forced Main Line LOS B (S.U.E.*)	----- FSS
SS Forced Main Line LOS C (S.U.E.*)	----- FSS
SS Forced Main Line LOS D (S.U.E.*)	----- FSS

MISCELLANEOUS:

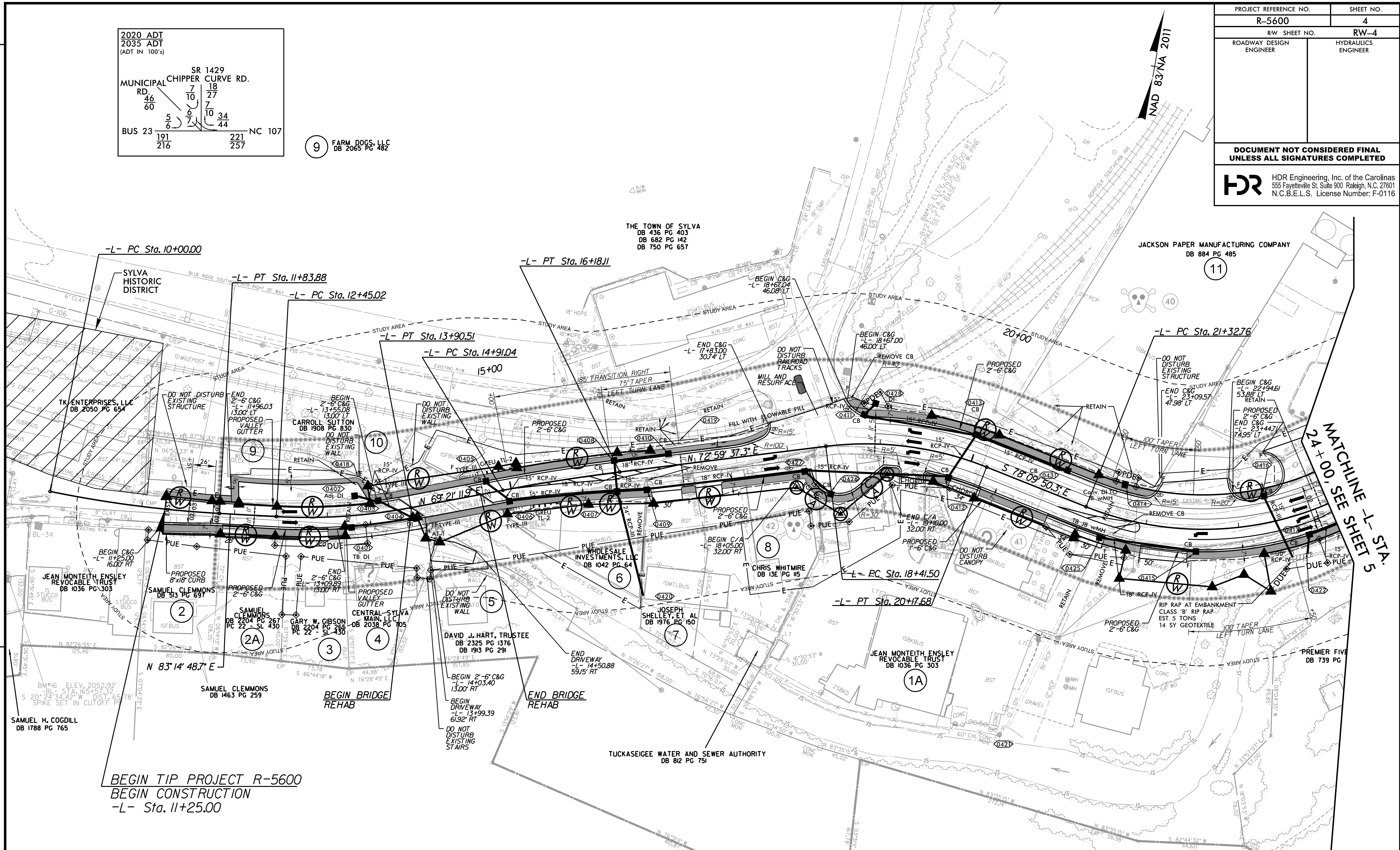
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line LOS B (S.U.E.*)	----- 7U/L
U/G Tank; Water, Gas, Oil	-----
Underground Storage Tank, Approx. Loc.	----- UST
A/G Tank; Water, Gas, Oil	-----
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.



9 FARM DOGS, LLC
DB 2065 PG 482

NAD 83/NA 2011

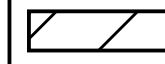

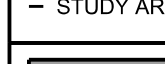
REVISIONS
1020/2021 PARCEL 1 REMOVED; TCE REVISED; PARCEL 2



BEGIN TIP PROJECT R-5600
BEGIN CONSTRUCTION
-L- Sta. 11+25.00

-L-				
PI Sta 10+92.11	PI Sta 13+18.12	PI Sta 15+54.60	PI Sta 19+31.50	PI Sta 22+86.36
$\Delta = 8' 25' 42.2''$ (LT)	$\Delta = 13' 53' 36.8''$ (LT)	$\Delta = 3' 38' 25.5''$ (RT)	$\Delta = 28' 50' 32.3''$ (RT)	$\Delta = 48' 37' 27.8''$ (LT)
$D = 4' 35' 01.2''$	$D = 9' 32' 57.5''$	$D = 2' 51' 53.2''$	$D = 16' 22' 12.8''$	$D = 16' 51' 06.1''$
$L = 183.88'$	$L = 145.49'$	$L = 127.07'$	$L = 176.19'$	$L = 288.54'$
$T = 92.11'$	$T = 73.11'$	$T = 63.56'$	$T = 90.00'$	$T = 153.60'$
$R = 1,250.00'$	$R = 600.00'$	$R = 2,000.00'$	$R = 350.00'$	$R = 340.00'$
$DS = 30$ MPH	$SE = NC$	$DS = 30$ MPH	$SE = NC$	$DS = 30$ MPH

RADII 10' UNLESS OTHERWISE NOTED
FOR -L- PROFILE, SEE PROFILE SHEET 16

	SYLVA HISTORIC DISTRICT
	STUDY AREA
	PROP CONC SIDEWALK

2020 ADT 2035 ADT (ADT IN 100'S)	BUS 23 ASHEVILLE HWY. 266 300	194 218 343 392
NC 107	221 69 79	8 9
	4 5	14 17
	SR 1355 SUNRISE PARK	

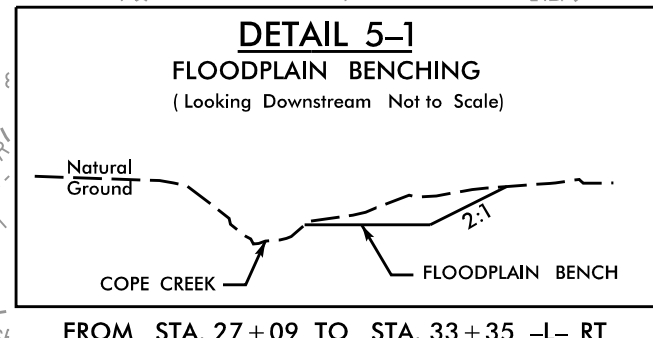
PI Sta 22+86.36 $\Delta = 48' 37" 27.8" (LT)$ $D = 16' 51" 06.1"$ $L = 288.54'$ $T = 153.60'$ $R = 340.00'$ $SE = NC$ $DS = 30 MPH$	PI Sta 27+43.07 $\Delta = 55' 37" 20.3" (RT)$ $D = 9' 23' 33.9"$ $L = 592.18'$ $T = 321.77'$ $R = 610.00'$ $SE = NC$ $DS = 30 MPH$	PI Sta 34+05.95 $\Delta = 12' 29' 09.5" (RT)$ $D = 3' 10' 59.2"$ $L = 392.26'$ $T = 196.91'$ $R = 1,800.00'$ $SE = 03$ $DS = 30 MPH$
--	---	---

UNITED COMMUNITY BANK DB 1622 PG 542 THE FISH CAMPA, LLC DB 2170 PG 196 CHRISTOPHER HAMILTON, ET UX, ET AL DB 2303 PG 1452 DB 2275 PG 475 DB 2274 PG 804 DB 1419 PG 806	WAYNE SMITH DB 1150 PG 579 EL PATRON MEXICAN RESTAURANT, INC. DB 2228 PG 1236 NC RENTALS, LLC DB 1658 PG 811 KENNETH L. OWEN DB 1206 PG 465 EKEK, LLC DB 1984 PG 83 DB 1419 PG 803 DB 2233 PG 1801 EKEK, LLC DB 2237 PG 631 TUCKASEE WATER & SEWER AUTHORITY DB 2225 PG 306 DB 2237 PG 556 JEAN MONTEITH ENSLEY REVOCABLE TRUST DB 1036 PG 303	FF SYLVA LLC DB 2230 PG 388 ALPINE SYLVA, LLC DB 2057 PG 479 SAINTS EUROPEAN HOLDINGS, INC. DB 1959 PG 648 STANBERRY PROPERTIES, INC. DB 1477 PG 251 OWEN & GATES, LLC DB 1715 PG 308 JOHN L. SHEPHERD EMMA L. TATE DB 748 PG 477 TIMOTHY N. PRESSLEY DB 1853 PG 152
---	--	---

PI Sta 12+56.00 $\Delta = 3' 55' 51.7" (RT)$ $D = 1' 12' 04.2"$ $L = 327.27'$ $T = 163.70'$ $R = 4,770.00'$ $SE = NC$ $DS = 40 MPH$	PI Sta 15+66.64 $\Delta = 3' 31' 55.3" (LT)$ $D = 1' 12' 04.2"$ $L = 294.05'$ $T = 147.07'$ $R = 4,770.00'$ $SE = NC$ $DS = 40 MPH$
--	--

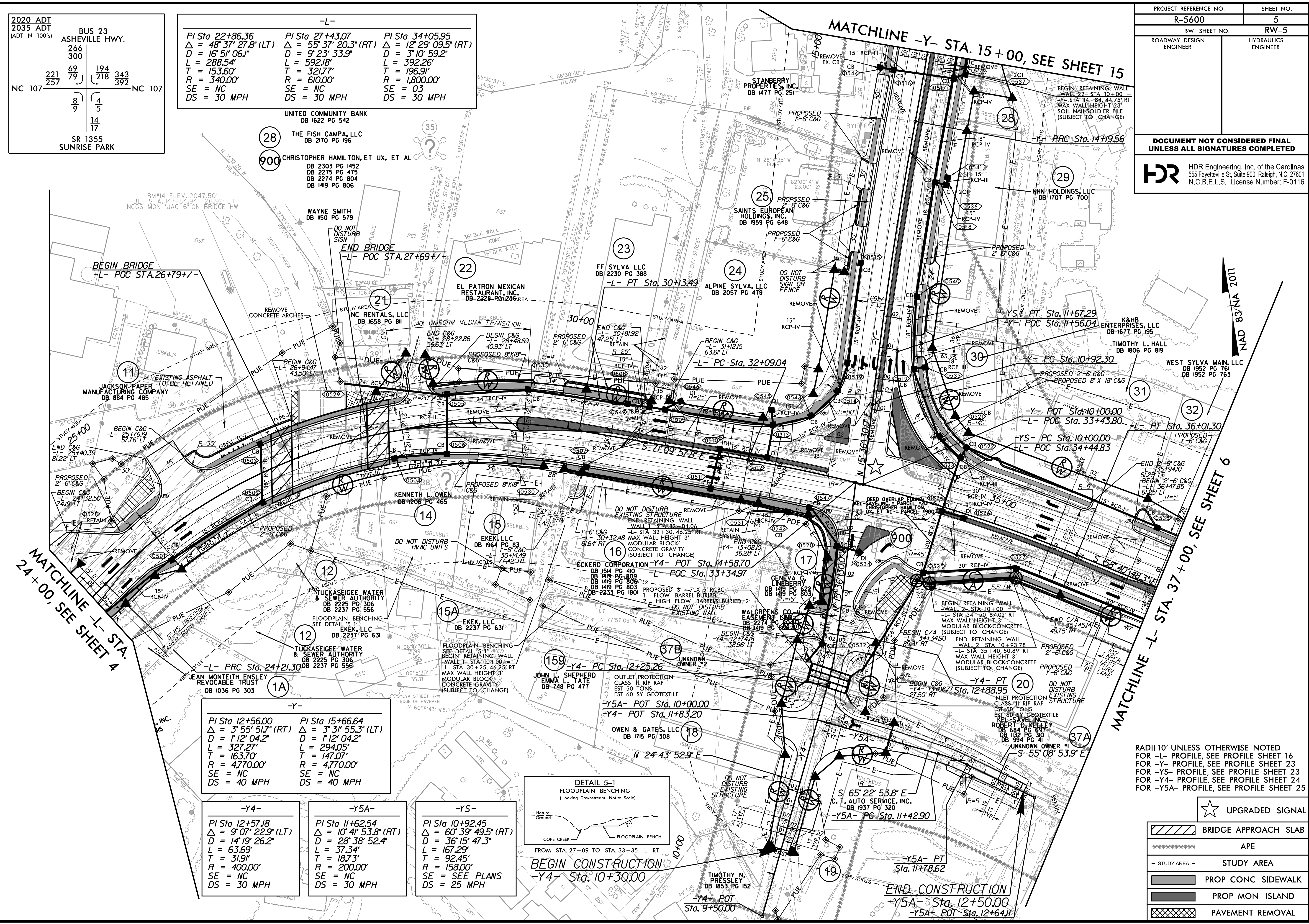
PI Sta 12+57.18 $\Delta = 9' 07' 22.9" (LT)$ $D = 14' 19' 26.2"$ $L = 63.69'$ $T = 31.91'$ $R = 400.00'$ $SE = NC$ $DS = 30 MPH$	PI Sta 11+62.54 $\Delta = 10' 41' 53.8" (RT)$ $D = 28' 38' 52.4"$ $L = 37.34'$ $T = 18.73'$ $R = 200.00'$ $SE = NC$ $DS = 30 MPH$
---	--

PI Sta 10+92.45 $\Delta = 60' 39' 49.5" (RT)$ $D = 36' 15' 47.3"$ $L = 167.29'$ $T = 92.45'$ $R = 158.00'$ $SE = SEE PLANS$ $DS = 25 MPH$
--



PROJECT REFERENCE NO. R-5600	SHEET NO. 5
RW SHEET NO. RW-5	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	
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	

1025/2021 ROW AND PUE REVISED: PARCELS 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 COMBINED INTO PARCEL 20
 2/18/2022
 PLOT DRIVER: NCDOT.pdf_color_eng_50.pht
 USER: ASNLIDER
 FILE:
 PENTABLE: R5600.dshp.f.hdi
 TIME: 1:06:55 PM
 DATE: 7/11/2022



RADI 10' UNLESS OTHERWISE NOTED
 FOR -L- PROFILE, SEE PROFILE SHEET 16
 FOR -Y- PROFILE, SEE PROFILE SHEET 23
 FOR -YS- PROFILE, SEE PROFILE SHEET 24
 FOR -Y4- PROFILE, SEE PROFILE SHEET 24
 FOR -Y5A- PROFILE, SEE PROFILE SHEET 25

	UPGRADED SIGNAL
	BRIDGE APPROACH SLAB
	APE
	STUDY AREA
	PROP CONC SIDEWALK
	PROP MON ISLAND
	PAVEMENT REMOVAL

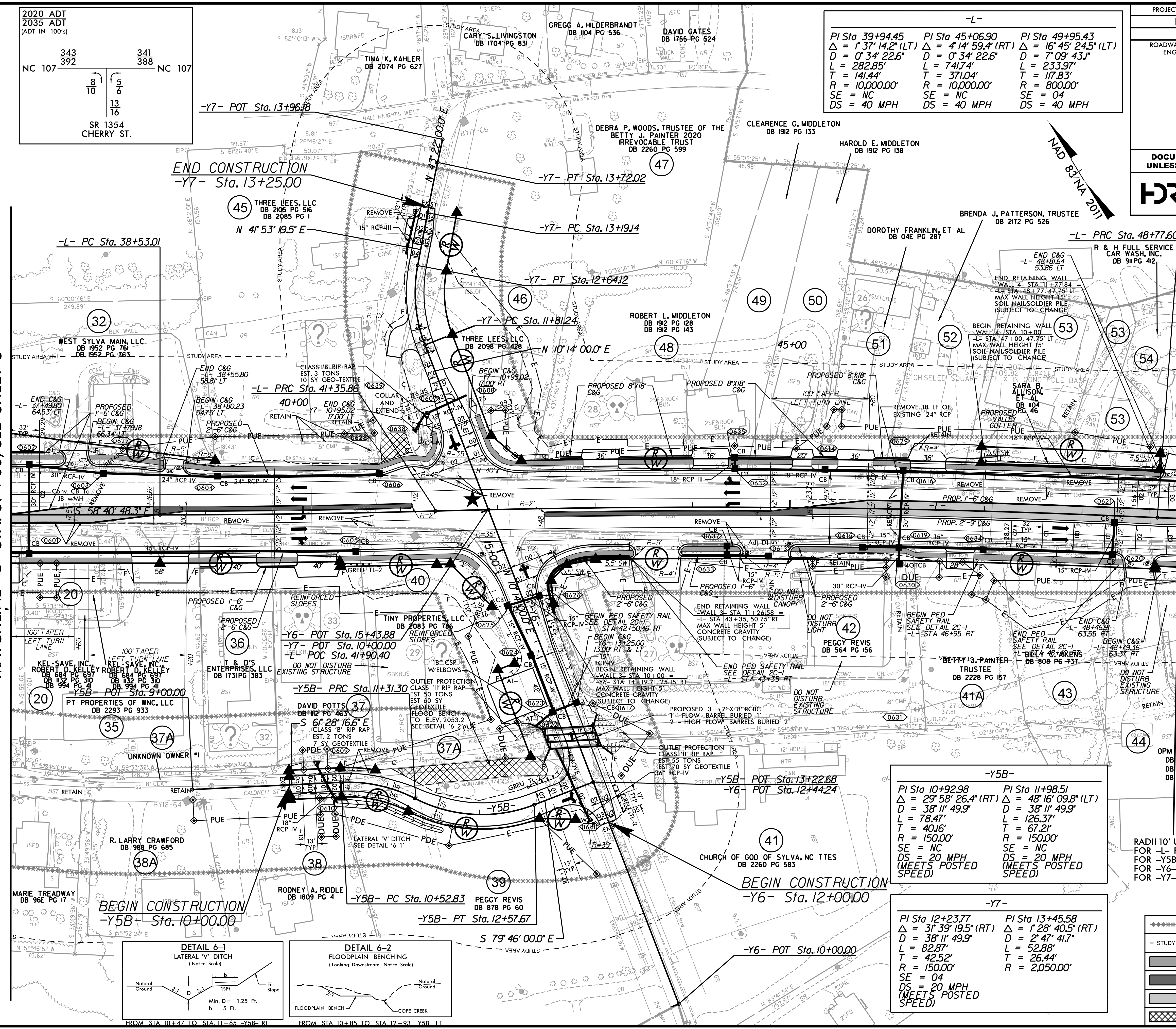
2020 ADT	2035 ADT						
(ADT IN 100'S)							
343	341						
392	388						
NC 107	NC 107						
<table border="1"> <tr> <td>8</td> <td>5</td> </tr> <tr> <td>10</td> <td>6</td> </tr> <tr> <td colspan="2" style="text-align: center;">SR 1354 CHERRY ST.</td> </tr> </table>		8	5	10	6	SR 1354 CHERRY ST.	
8	5						
10	6						
SR 1354 CHERRY ST.							

-L-		
PI Sta 39+94.45	PI Sta 45+06.90	PI Sta 49+95.43
$\Delta = 1' 37" 14.2" (LT)$	$\Delta = 4' 14" 59.4" (RT)$	$\Delta = 16' 45" 24.5" (LT)$
$D = 0' 34" 22.6"$	$D = 0' 34" 22.6"$	$D = 7' 09" 43.1"$
$L = 282.85'$	$L = 741.74'$	$L = 233.97'$
$T = 141.44'$	$T = 371.04'$	$T = 117.83'$
$R = 10,000.00'$	$R = 10,000.00'$	$R = 800.00'$
SE = NC	SE = NC	SE = 04
DS = 40 MPH	DS = 40 MPH	DS = 40 MPH

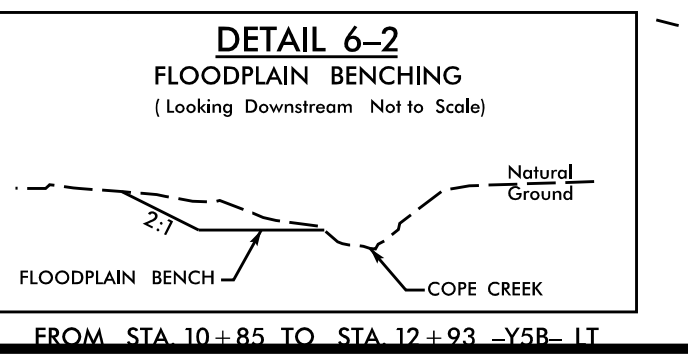
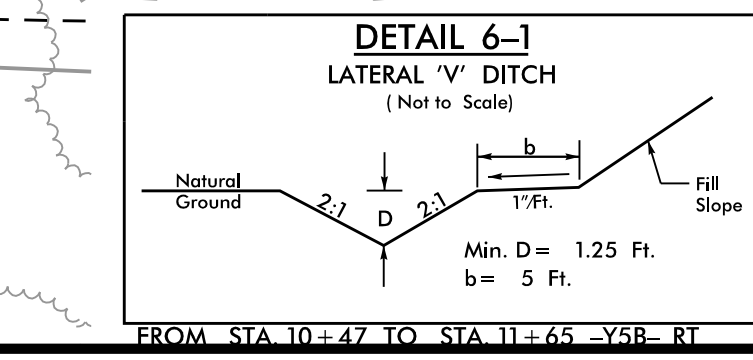
PROJECT REFERENCE NO.	SHEET NO.
R-5600	6
RW SHEET NO.	RW-6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

MATCHLINE -L- STA. 37+00, SEE SHEET 5

MATCHLINE -L- STA. 49+00, SEE SHEET 7



REVISIONS
 9/7/2021: TCE ADDED; PARCEL 32
 12/7/2022: PARCEL 35 OWNER CHANGE
 2/18/2022: PARCEL OWNERS 20, 33 & 34 COMBINED INTO PARCEL 20
 PLOT DRIVER: NCDOT.pdf_color_eng_50.pht
 USER: ASNLIDER
 FILE:
 PENTABLE: R5600.dshp.f.hdi
 TIME: 1:07:02 PM
 DATE: 7/11/2022



-Y5B-

PI Sta 10+92.98	PI Sta 11+98.51
$\Delta = 29' 58" 26.4" (RT)$	$\Delta = 48' 16" 09.8" (LT)$
$D = 38' 11" 49.9"$	$D = 38' 11" 49.9"$
$L = 78.47'$	$L = 126.37'$
$T = 40.16'$	$T = 67.21'$
$R = 150.00'$	$R = 150.00'$
SE = NC	SE = NC
DS = 20 MPH (MEETS POSTED SPEED)	DS = 20 MPH (MEETS POSTED SPEED)

-Y7-

PI Sta 12+23.77	PI Sta 13+45.58
$\Delta = 3' 39" 19.5" (RT)$	$\Delta = 1' 28" 40.5" (RT)$
$D = 38' 11" 49.9"$	$D = 2' 47" 41.7"$
$L = 82.87'$	$L = 52.88'$
$T = 42.52'$	$T = 26.44'$
$R = 150.00'$	$R = 2,050.00'$
SE = 04	SE = 04
DS = 20 MPH (MEETS POSTED SPEED)	DS = 20 MPH (MEETS POSTED SPEED)

RADI 10' UNLESS OTHERWISE NOTED
FOR -L- PROFILE, SEE PROFILE SHEET 17
FOR -Y5B- PROFILE, SEE PROFILE SHEET 25
FOR -Y6- PROFILE, SEE PROFILE SHEET 25
FOR -Y7- PROFILE, SEE PROFILE SHEET 25

*****	APE
- STUDY AREA -	STUDY AREA
	PROP CONC SIDEWALK
	PROP MON ISLAND
	RAISED GRASS MEDIAN
	PAVEMENT REMOVAL

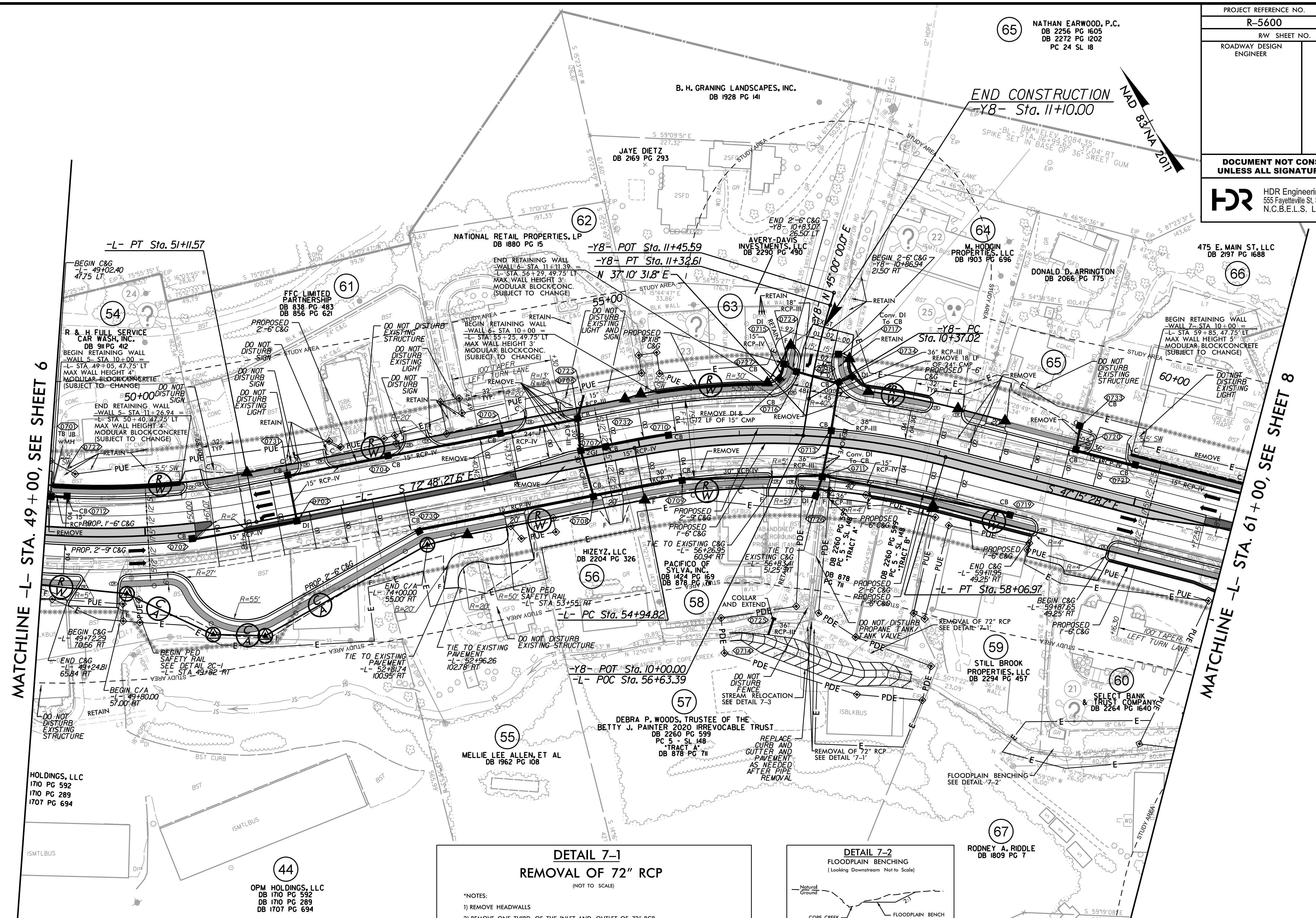
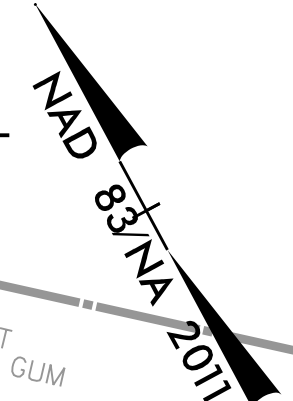
★ PROPOSED SIGNAL

PROJECT REFERENCE NO.	SHEET NO.
R-5600	7
RW SHEET NO.	RW-7
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

65 NATHAN EARWOOD, P.C.
DB 2256 PG 1605
DB 2272 PG 1202
PC 24 SL 18

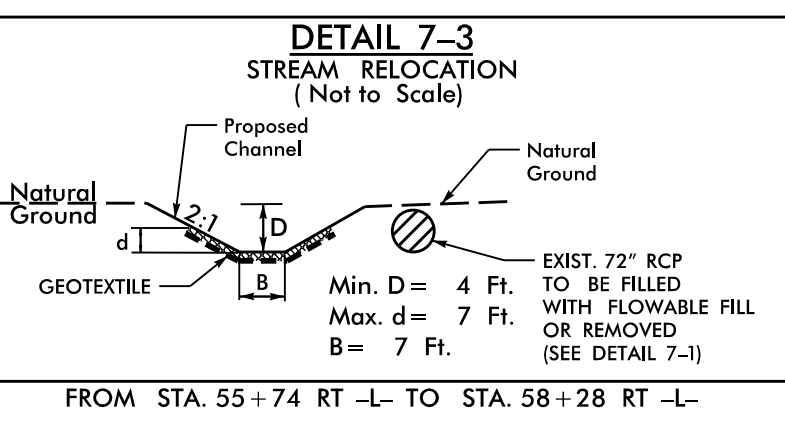
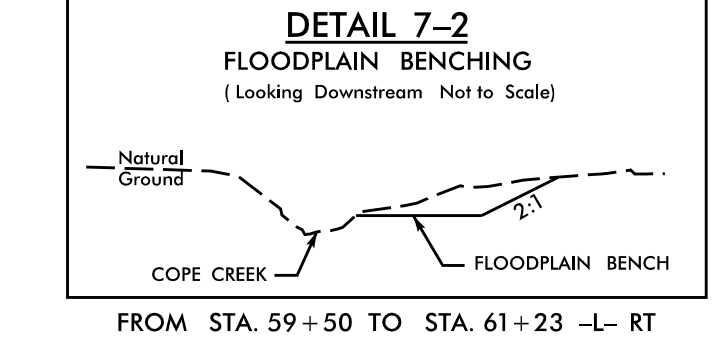
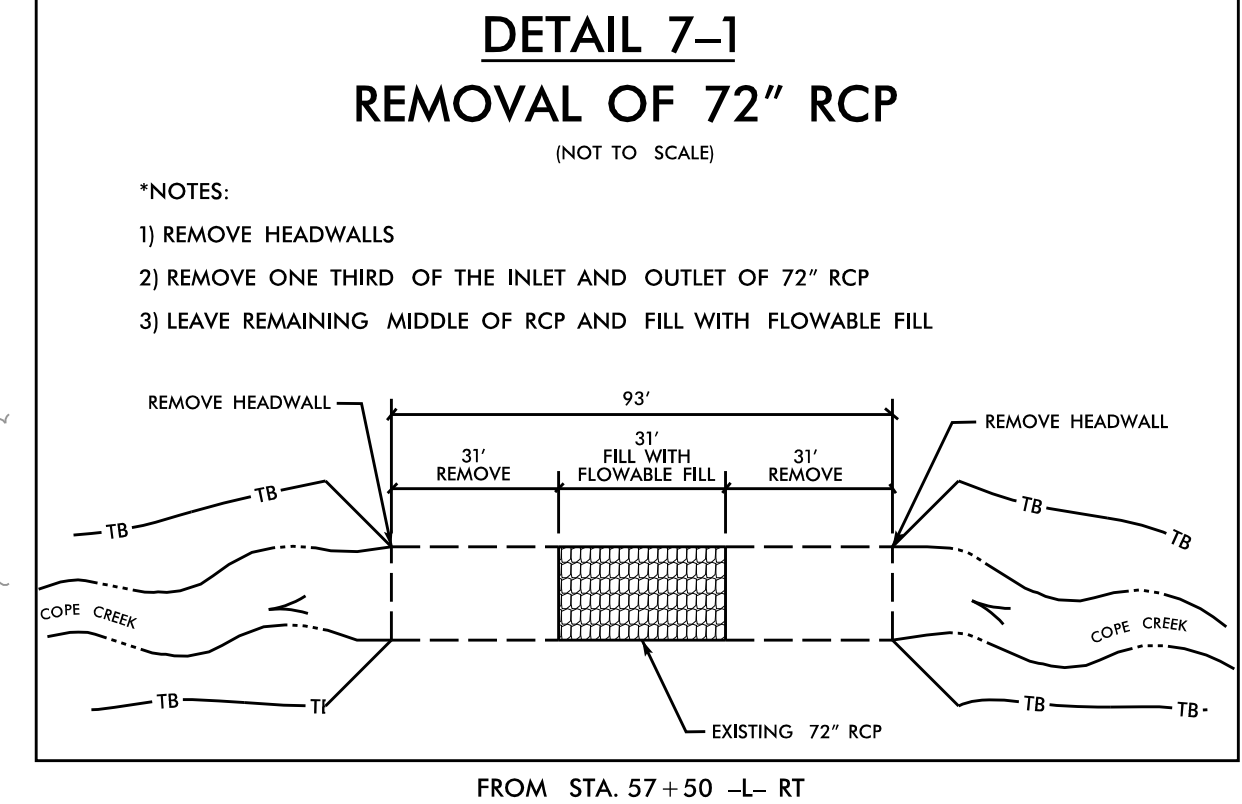


MATCHLINE -L- STA. 49+00, SEE SHEET 6

MATCHLINE -L- STA. 61+00, SEE SHEET 8

-L-	
PI Sta 49+95.43	PI Sta 56+53.53
$\Delta = 16' 45" 24.5" (LT)$	$\Delta = 25' 32" 58.9" (RT)$
$D = 7' 09" 43.1"$	$D = 8' 11" 06.4"$
$L = 233.97'$	$L = 312.15'$
$T = 117.83'$	$T = 158.71'$
$R = 800.00'$	$R = 700.00'$
$SE = 04$	$SE = 04$
$DS = 40 MPH$	$DS = 40 MPH$

-Y8-	
PI Sta 10+84.89	PI Sta 10+84.89
$\Delta = 7' 49" 28.2" (RT)$	$\Delta = 7' 49" 28.2" (RT)$
$D = 8' 11" 06.4"$	$D = 8' 11" 06.4"$
$L = 95.59'$	$L = 95.59'$
$T = 47.87'$	$T = 47.87'$
$R = 700.00'$	$R = 700.00'$
$SE = SEE PLANS$	$SE = SEE PLANS$
$DS = (STOP CONDITION)$	$DS = (STOP CONDITION)$
$DS = 25 MPH$	$DS = 25 MPH$



RADII 10' UNLESS OTHERWISE NOTED
FOR -L- PROFILE, SEE PROFILE SHEET 17
FOR -Y8- PROFILE, SEE PROFILE SHEET 26

***** APE	
- STUDY AREA -	STUDY AREA
	PROP CONC SIDEWALK
	PROP MON ISLAND
	RAISED GRASS MEDIAN

REVISIONS

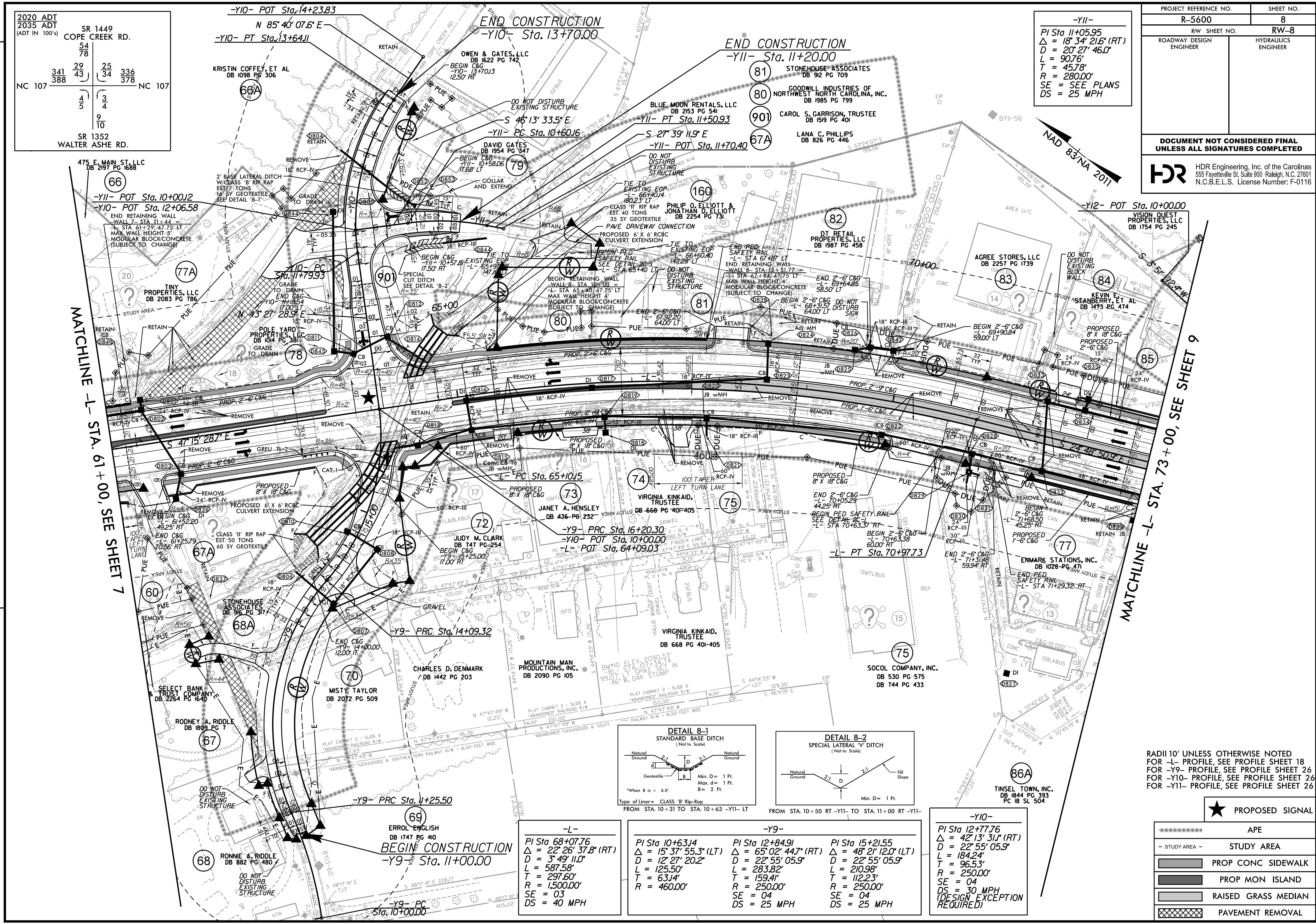
9/7/2021: TCE REVISED: PARCEL 58
12/7/2022: PARCELS 59&63 OWNER CHANGES

PLOT DRIVER: NCDOT...pdf_color_eng_50.plt
USER: AS/SLIDER
FILE:

PENTABLE: R5600_dshp.flx
DATE: 7/11/2022
TIME: 1:07:10 PM

2020 ADT	SR 1449
2035 ADT	COPE CREEK RD.
(ADT IN 100'S)	
54	78
29	25
341	34
388	378
NC 107	NC 107
4	3
5	4
9	10
SR 1352	
WALTER ASHE RD.	

PROJECT REFERENCE NO.	SHEET NO.
R-5600	8
R/W SHEET NO.	RW-8
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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	



-Y11-
 PI Sta 11+05.95
 $\Delta = 18' 34' 21.6''$ (RT)
 $D = 20' 27' 46.0''$
 $L = 90.76'$
 $T = 45.78'$
 $R = 280.00'$
 SE = SEE PLANS
 DS = 25 MPH

MATCHLINE -L- STA. 61+00, SEE SHEET 7

MATCHLINE -L- STA. 73+00, SEE SHEET 9

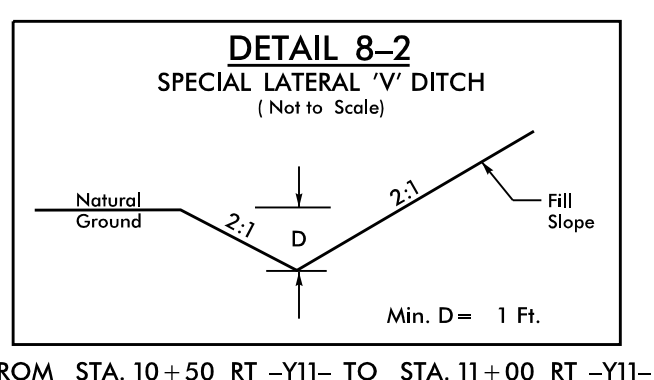
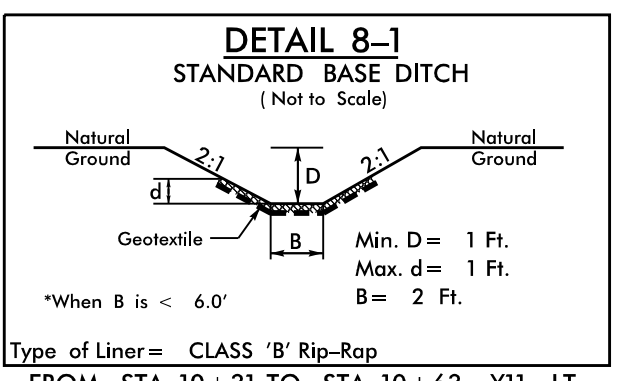
REVISIONS

9/7/2021: TCE REVISED; PARCEL 85

PENTABLE: R5600.dshp.f1.tbl
 TIME: 1:07:18 PM

DATE: 7/11/2022

PLOT DRIVER: NCDOT.pdf_color_eng_50.pht
 USER: ASNLIDER
 FILE:



-L-
 PI Sta 68+07.76
 $\Delta = 22' 26' 37.8''$ (RT)
 $D = 3' 49' 11.0''$
 $L = 587.58'$
 $T = 297.60'$
 $R = 1,500.00'$
 SE = 03
 DS = 40 MPH

-Y9-
 PI Sta 10+63.14
 $\Delta = 15' 37' 55.3''$ (LT)
 $D = 12' 27' 20.2''$
 $L = 125.50'$
 $T = 63.14'$
 $R = 460.00'$

-Y9-
 PI Sta 12+84.91
 $\Delta = 65' 02' 44.7''$ (RT)
 $D = 22' 55' 05.9''$
 $L = 283.82'$
 $T = 159.41'$
 $R = 250.00'$
 SE = 04
 DS = 25 MPH

-Y10-
 PI Sta 15+21.55
 $\Delta = 48' 21' 12.0''$ (LT)
 $D = 22' 55' 05.9''$
 $L = 210.98'$
 $T = 112.23'$
 $R = 250.00'$
 SE = 04
 DS = 25 MPH

-Y10-
 PI Sta 12+77.76
 $\Delta = 42' 13' 31.1''$ (RT)
 $D = 22' 55' 05.9''$
 $L = 184.24'$
 $T = 96.53'$
 $R = 250.00'$
 SE = 04
 DS = 30 MPH
 (DESIGN EXCEPTION REQUIRED)

RADI 10' UNLESS OTHERWISE NOTED
 FOR -L- PROFILE, SEE PROFILE SHEET 18
 FOR -Y9- PROFILE, SEE PROFILE SHEET 26
 FOR -Y10- PROFILE, SEE PROFILE SHEET 26
 FOR -Y11- PROFILE, SEE PROFILE SHEET 26

*****	APE
- STUDY AREA -	STUDY AREA
	PROP CONC SIDEWALK
	PROP MON ISLAND
	RAISED GRASS MEDIAN
	PAVEMENT REMOVAL

★ PROPOSED SIGNAL

NOTE: RETAINING WALL
-WALL 9- HAS BEEN
ELIMINATED FROM PLANS

PROJECT REFERENCE NO.	SHEET NO.
R-5600	9
RW SHEET NO.	RW-9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

REVISIONS

9/7/2021: TCE REVISED; PARCEL 85

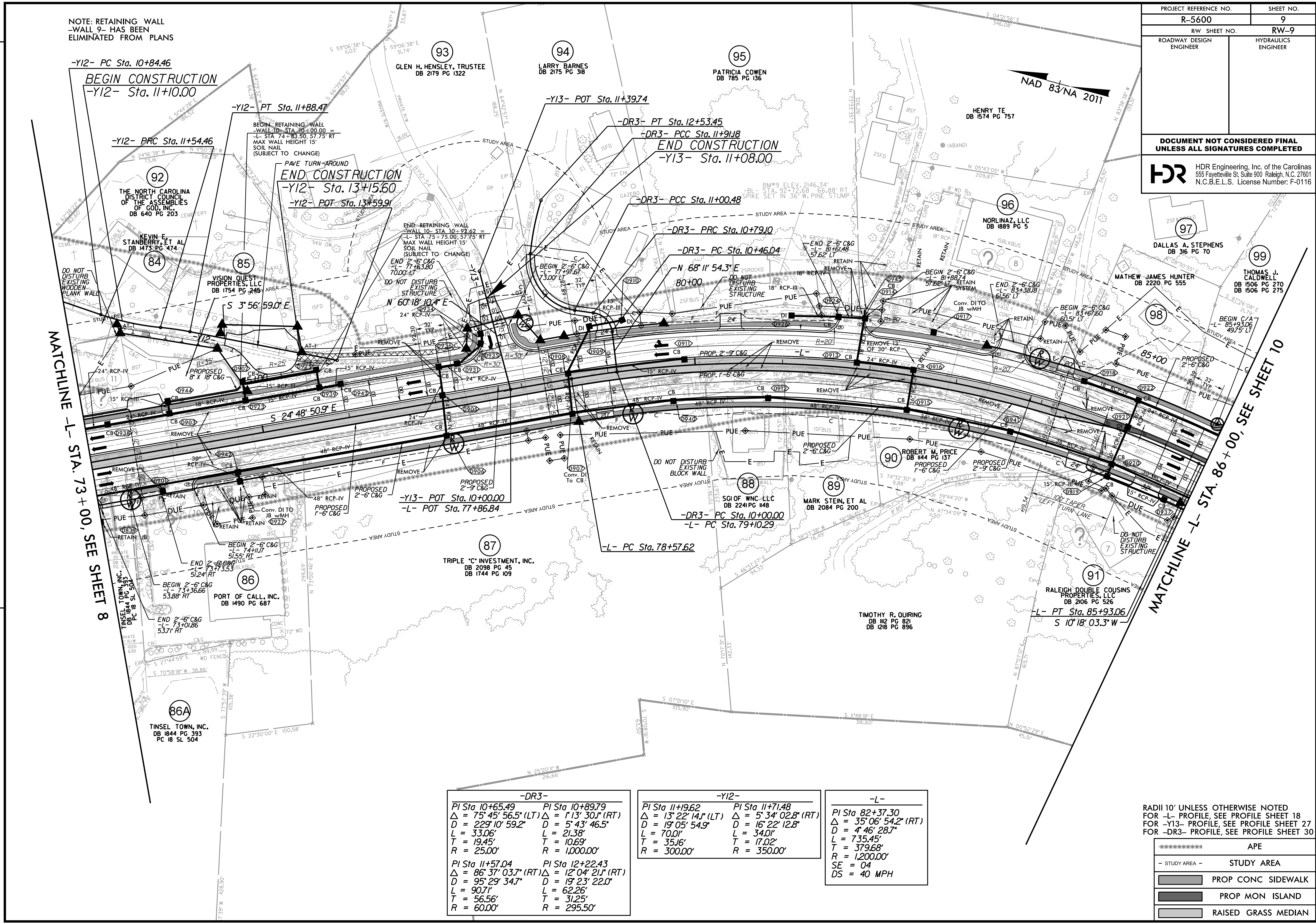
9/7/2021: PENTABLE; R5600.dshp.f1.tbl

USER: ASNLIDER

DATE: 7/11/2022

TIME: 1:07:27 PM

FILE:



MATCHLINE -L- STA. 73+00, SEE SHEET 8

MATCHLINE -L- STA. 86+00, SEE SHEET 10

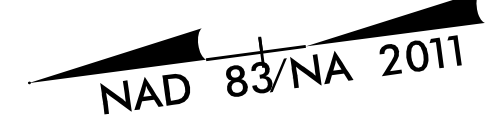
-DR3-		-Y12-		-L-	
PI Sta 10+65.49	PI Sta 10+89.79	PI Sta 11+19.62	PI Sta 11+71.48	PI Sta 82+37.30	
$\Delta = 75' 45" 56.5" (LT)$	$\Delta = 1' 13" 30" (RT)$	$\Delta = 13' 22' 14" (LT)$	$\Delta = 5' 34' 02.8" (RT)$	$\Delta = 35' 06' 54.2" (RT)$	
D = 229' 10' 59.2"	D = 5' 43' 46.5"	D = 19' 05' 54.9"	D = 16' 22' 12.8"	D = 4' 46' 28.7"	
L = 33.06'	L = 21.38'	L = 70.0'	L = 34.0'	L = 735.45'	
T = 19.45'	T = 10.69'	T = 35.16'	T = 17.02'	T = 379.68'	
R = 25.00'	R = 1,000.00'	R = 300.00'	R = 350.00'	R = 1,200.00'	
PI Sta 11+57.04	PI Sta 12+22.43			SE = 04	
$\Delta = 86' 37' 03.7" (RT)$	$\Delta = 12' 04' 21" (RT)$			DS = 40 MPH	
D = 95' 29' 34.7"	D = 19' 23' 22.0"				
L = 90.7'	L = 62.26'				
T = 56.56'	T = 31.25'				
R = 60.00'	R = 295.50'				

RADII 10' UNLESS OTHERWISE NOTED
FOR -L- PROFILE, SEE PROFILE SHEET 18
FOR -Y13- PROFILE, SEE PROFILE SHEET 27
FOR -DR3- PROFILE, SEE PROFILE SHEET 30

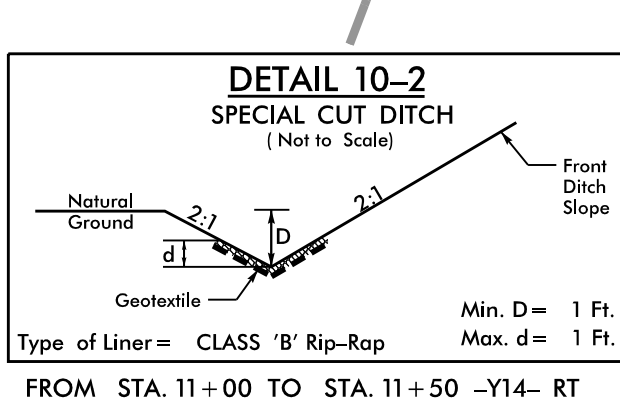
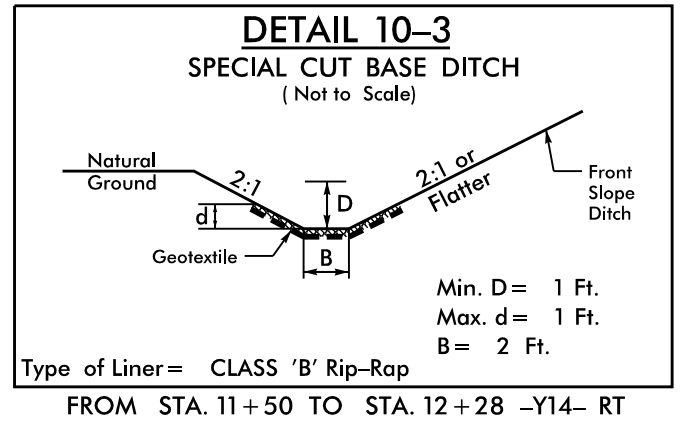
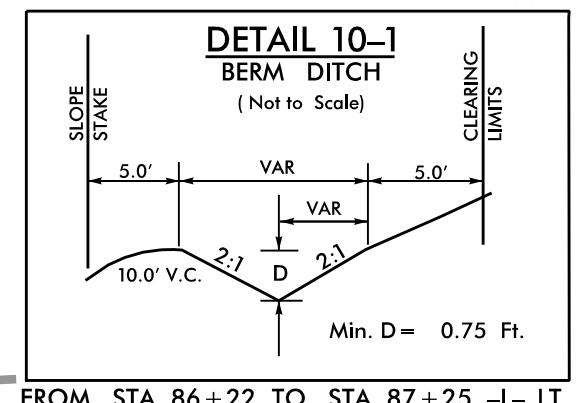
*****	APE
- STUDY AREA -	STUDY AREA
[Pattern]	PROP CONC SIDEWALK
[Pattern]	PROP MON ISLAND
[Pattern]	RAISED GRASS MEDIAN

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

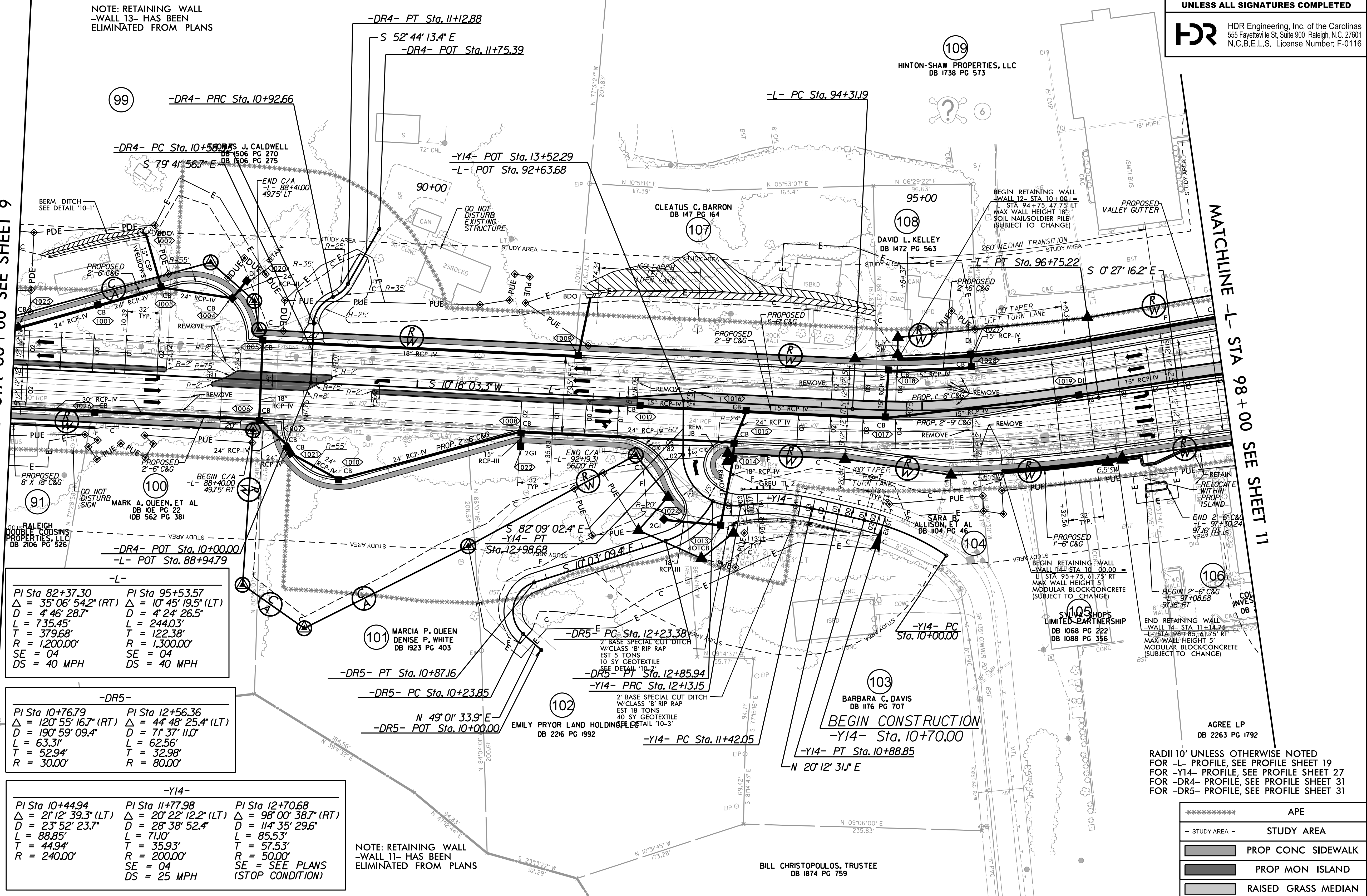


-DR4-	
PI Sta 10+77.65 Δ = 65° 34' 17.2" (RT) D = 190' 59' 09.4" L = 34.33' T = 19.32' R = 30.00'	PI Sta 11+03.17 Δ = 38° 36' 33.9" (LT) D = 190' 59' 09.4" L = 20.22' T = 10.51' R = 30.00'



MATCHLINE -L- STA 86+00 SEE SHEET 9

MATCHLINE -L- STA 98+00 SEE SHEET 11



-L-	
PI Sta 82+37.30 Δ = 35° 06' 54.2" (RT) D = 4' 46' 28.7" L = 735.45' T = 379.68' R = 1,200.00' SE = 04 DS = 40 MPH	PI Sta 95+53.57 Δ = 10° 45' 19.5" (LT) D = 4' 24' 26.5" L = 2440.3' T = 122.38' R = 1,300.00' SE = 04 DS = 40 MPH

-DR5-	
PI Sta 10+76.79 Δ = 120° 55' 16.7" (RT) D = 190' 59' 09.4" L = 63.31' T = 52.94' R = 30.00'	PI Sta 12+56.36 Δ = 44° 48' 25.4" (LT) D = 71' 37' 11.0" L = 62.56' T = 32.98' R = 80.00'

-Y14-		
PI Sta 10+44.94 Δ = 21° 12' 39.3" (LT) D = 23' 52' 23.7" L = 88.85' T = 44.94' R = 240.00'	PI Sta 11+77.98 Δ = 20° 22' 12.2" (LT) D = 28' 38' 52.4" L = 71.0' T = 35.93' R = 200.00'	PI Sta 12+70.68 Δ = 98° 00' 38.7" (RT) D = 114' 35' 29.6" L = 85.53' T = 57.53' R = 50.00'


NOTE: RETAINING WALL -WALL 11- HAS BEEN ELIMINATED FROM PLANS

RADII 10' UNLESS OTHERWISE NOTED
FOR -L- PROFILE, SEE PROFILE SHEET 19
FOR -Y14- PROFILE, SEE PROFILE SHEET 27
FOR -DR4- PROFILE, SEE PROFILE SHEET 31
FOR -DR5- PROFILE, SEE PROFILE SHEET 31

***** APE	
- STUDY AREA -	STUDY AREA
[Pattern]	PROP CONC SIDEWALK
[Pattern]	PROP MON ISLAND
[Pattern]	RAISED GRASS MEDIAN

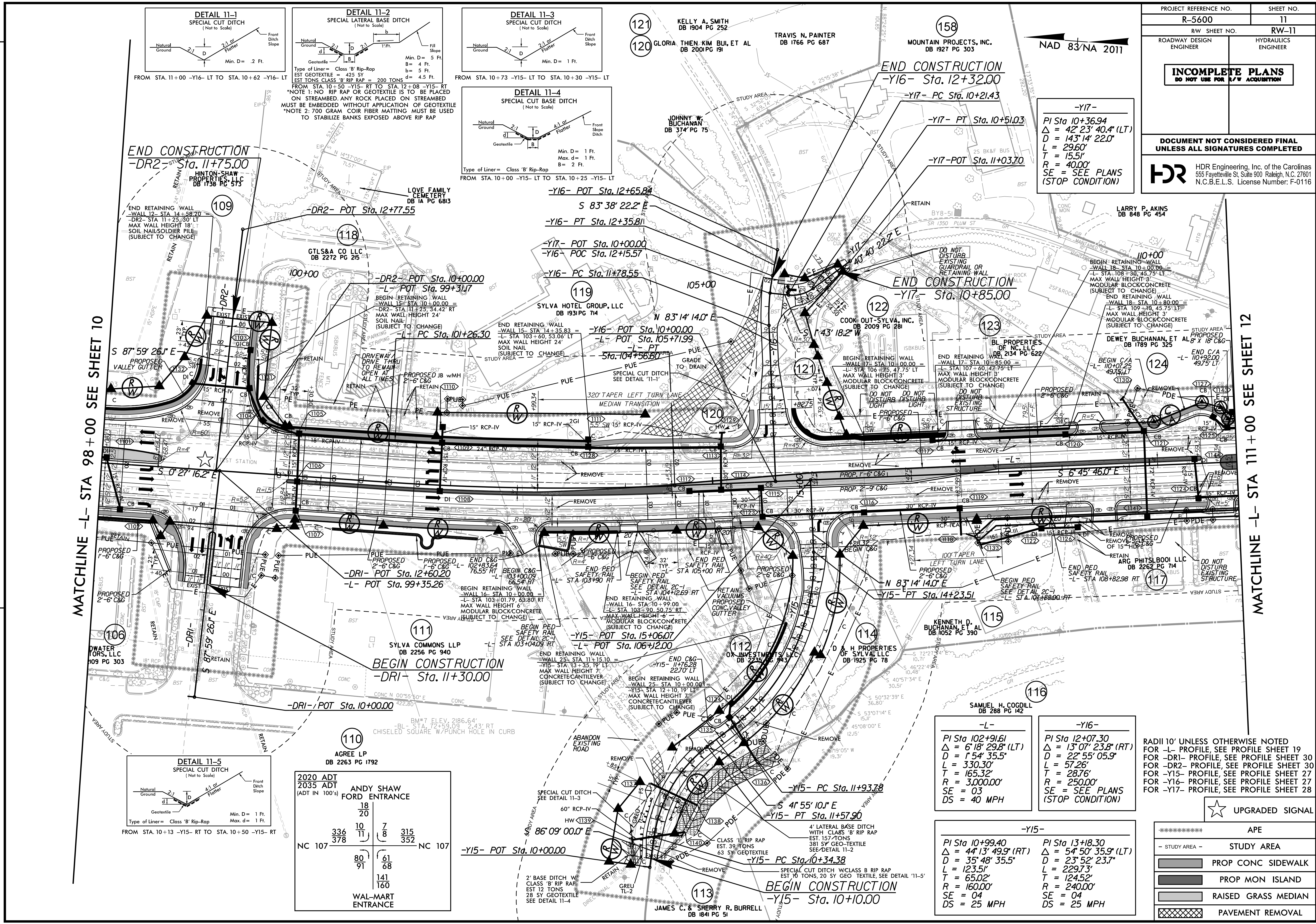
REVISIONS
2/18/2022 ROW, PUE, & TCE REVISED ON PARCEL 108; ROW REVISED ON PARCEL 109

PLOT DRIVER: NCDOT1.pdf_color_eng_50.plt
USER: ASNLIDER
FILE: PENTABLE1: R5600.dshp.fhd
DATE: 7/11/2022
TIME: 1:07:38 PM

PROJECT REFERENCE NO.	SHEET NO.
R-5600	11
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	

-Y17-
 PI Sta 10+36.94
 $\Delta = 42' 23" 40.4" (LT)$
 $D = 143' 14" 22.0"$
 $L = 296.0'$
 $T = 15.5'$
 $R = 40.0'$
 SE = SEE PLANS
 (STOP CONDITION)

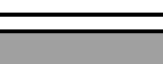



LARRY P. AKINS
DB 848 PG 454



-L-	-Y16-
PI Sta 102+91.61 $\Delta = 6' 18" 29.8" (LT)$ $D = 1' 54" 35.5"$ $L = 330.30'$ $T = 165.32'$ $R = 3,000.00'$ SE = 03 DS = 40 MPH	PI Sta 12+07.30 $\Delta = 13' 07" 23.8" (RT)$ $D = 22' 55" 05.9"$ $L = 57.26'$ $T = 28.76'$ $R = 250.00'$ SE = SEE PLANS (STOP CONDITION)

-Y15-	-Y15-
PI Sta 10+99.40 $\Delta = 44' 13" 49.9" (RT)$ $D = 35' 48" 35.5"$ $L = 123.51'$ $T = 65.02'$ $R = 160.00'$ SE = 04 DS = 25 MPH	PI Sta 13+18.30 $\Delta = 54' 50" 35.9" (LT)$ $D = 23' 52" 23.7"$ $L = 229.73'$ $T = 124.52'$ $R = 240.00'$ SE = 04 DS = 25 MPH


RADII 10' UNLESS OTHERWISE NOTED
 FOR -L- PROFILE, SEE PROFILE SHEET 19
 FOR -DRI- PROFILE, SEE PROFILE SHEET 30
 FOR -DR2- PROFILE, SEE PROFILE SHEET 30
 FOR -Y15- PROFILE, SEE PROFILE SHEET 27
 FOR -Y16- PROFILE, SEE PROFILE SHEET 27
 FOR -Y17- PROFILE, SEE PROFILE SHEET 28

*****	APE
- STUDY AREA -	STUDY AREA
	PROP CONC SIDEWALK
	PROP MON ISLAND
	RAISED GRASS MEDIAN
	PAVEMENT REMOVAL

2/18/2022 ROW AND TCE REVISED ON PARCEL 109; PUE REMOVED FROM PARCELS 110 & 111
 PLOT DRIVER: NCDOT_1.pdf_color_eng_50.pht
 USER: ASNLIDER
 FILE: PENTABLE: R5600_dshp.f.hdi
 TIME: 1:07:47 PM
 DATE: 7/11/2022

MATCHLINE -L- STA 98+00 SEE SHEET 10

MATCHLINE -L- STA 111+00 SEE SHEET 12

PROJECT REFERENCE NO.	SHEET NO.
R-5600	12
RW SHEET NO.	RW-12
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	

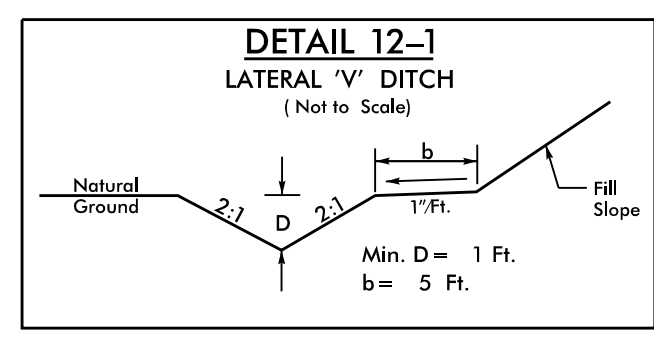
2020 ADT
2035 ADT
(ADT IN 100'S)

SR 1723
JONES ST.
23
26

315 13 10 312
352 15 11 348

NC 107 NC 107

NAD 83/NA 2011



136 ROBERT J. HUMES
MARTHA W. HUMES
DB 2210 PG 829

135 DONALD W. HOLLAND
DB 1206 PG 30

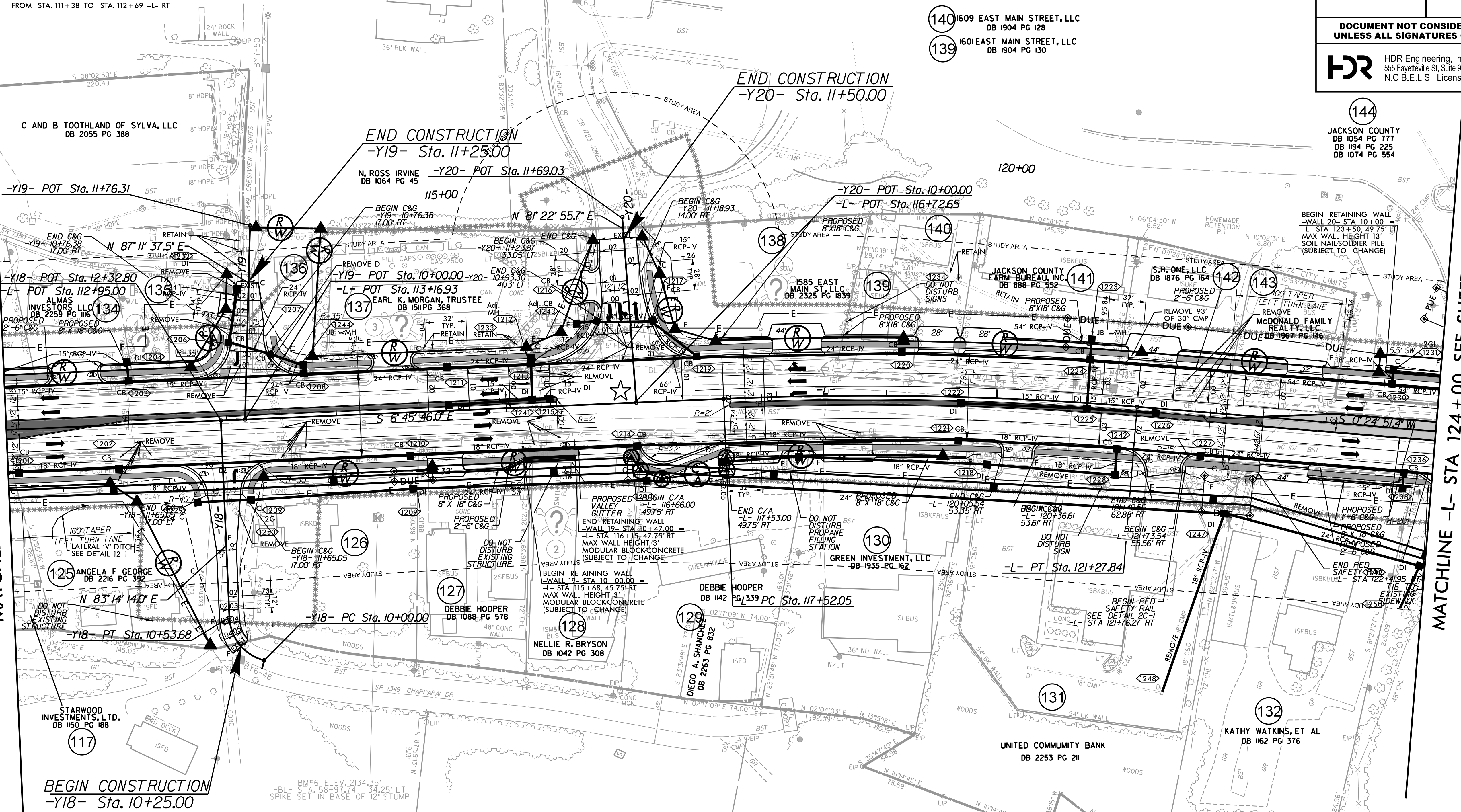
140 1609 EAST MAIN STREET, LLC
DB 1904 PG 128

139 1601 EAST MAIN STREET, LLC
DB 1904 PG 130

144 JACKSON COUNTY
DB 1054 PG 777
DB 1094 PG 225
DB 1074 PG 554

MATCHLINE -L- STA 111+00 SEE SHEET 11

MATCHLINE -L- STA 124+00 SEE SHEET 13



BEGIN CONSTRUCTION
-Y18- Sta. 10+25.00

END CONSTRUCTION
-Y19- Sta. 11+25.00




END CONSTRUCTION
-Y20- Sta. 11+50.00

-L-
PI Sta 119+40.9
Δ = 7' 10" 37.4" (RT)
D = 1' 54" 35.5"
L = 375.79'
T = 188.14'
R = 3,000.00'
SE = 0.3
DS = 40 MPH

-Y18-
PI Sta 10+31.21
Δ = 7' 3" 13" 50.1" (RT)
D = 1' 36" 25" 06.7"
L = 53.68'
T = 31.21'
R = 42.00'
DS = 25 MPH

RADI 10' UNLESS OTHERWISE NOTED
FOR -L- PROFILE, SEE PROFILE SHEET 20
FOR -Y18- PROFILE, SEE PROFILE SHEET 28
FOR -Y19- PROFILE, SEE PROFILE SHEET 28
FOR -Y20- PROFILE, SEE PROFILE SHEET 28

★ UPGRADED SIGNAL

*****	APE
- STUDY AREA -	STUDY AREA
	PROP CONC SIDEWALK
	PROP MON ISLAND
	RAISED GRASS MEDIAN

REVISIONS

9/7/2021: TCE REVISED; PARCELS 138 AND 139

PLOT DRIVER: NCDOT1.pdf_color_eng_50.pht

USER: ASNLIDER

FILE: \

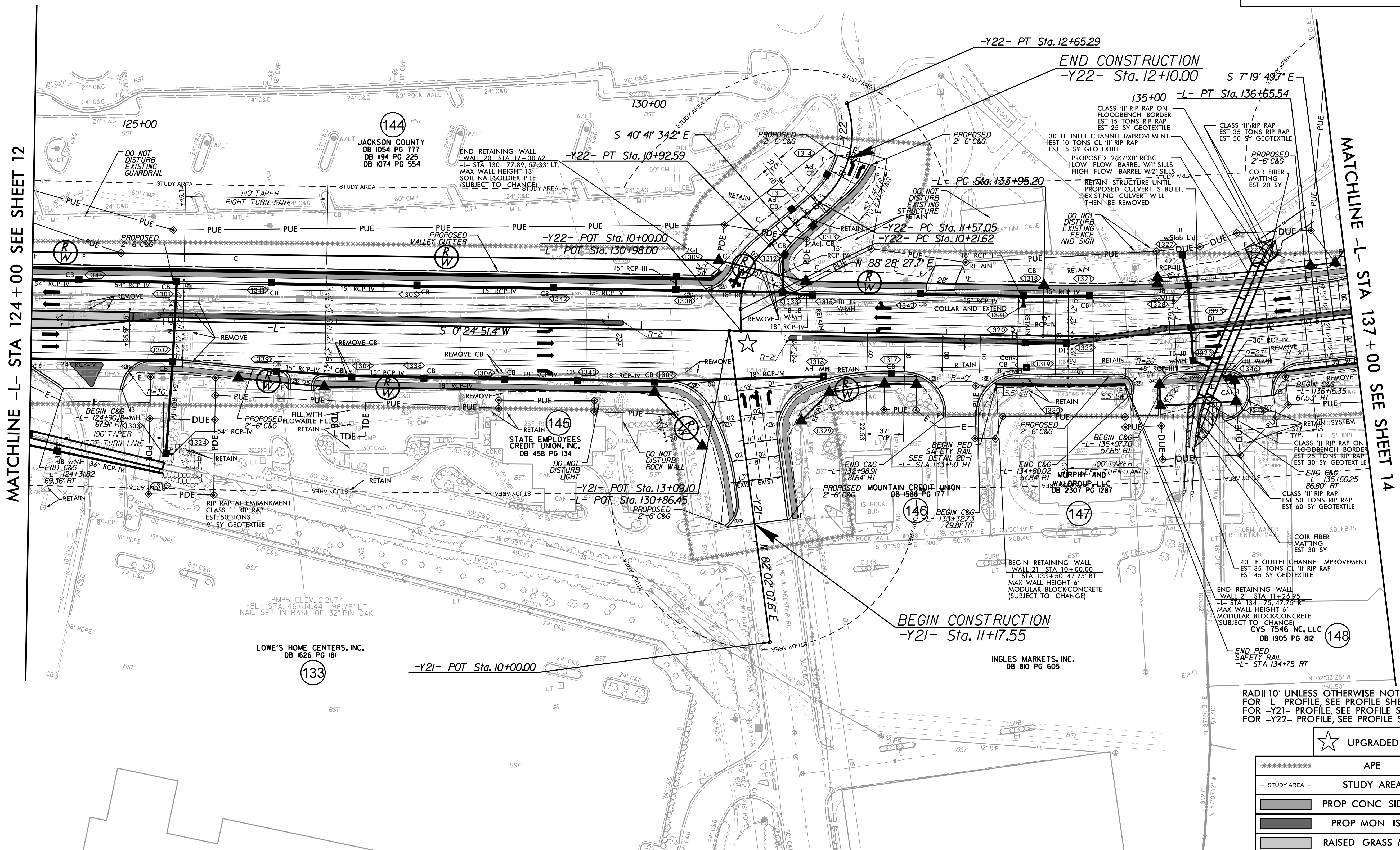
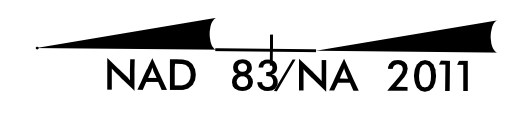
PENTABLE: R5600.dshp.f.hdi

DATE: 7/11/2022

TIME: 1:07:56 PM

2020 ADT	SMOKEY MOUNTAIN DR.	
2035 ADT	15	18
(ADT IN 100's)	7	6
	312	251
	348	284
NC 107	75	14
	65	3
	91	70
	NC 116 WEBSTER RD.	

-L-	-Y22-
PI Sta 135+30.58 $\Delta = 7^{\circ} 44' 41.1''$ (LT) $D = 2^{\circ} 51' 53.2''$ $L = 270.34'$ $T = 135.38'$ $R = 2,000.00'$ $SE = 04$ $DS = 50$ MPH	PI Sta 10+59.63 $\Delta = 50^{\circ} 49' 58.0''$ (RT) $D = 71^{\circ} 37' 11.0''$ $L = 70.98'$ $T = 38.01'$ $R = 80.00'$ $DS = 20$ MPH (STOP CONDITION)
	PI Sta 12+18.80 $\Delta = 68^{\circ} 54' 23.9''$ (LT) $D = 63^{\circ} 39' 43.1''$ $L = 108.24'$ $T = 61.75'$ $R = 90.00'$ $DS = 20$ MPH (STOP CONDITION)



REVISIONS

92/2/2021: TDE ADDED: PARCEL 145
 12/7/2022: PARCEL 147 OWNER CHANGE

PLOT DRIVER: NCDOT_.pdf_color_eng_50.pht
 USER: ASNLIDER
 DATE: 7/11/2022
 TIME: 1:08:05 PM

92/2/2021: TDE ADDED: PARCEL 145
 12/7/2022: PARCEL 147 OWNER CHANGE

MATCHLINE -L- STA 124 + 00 SEE SHEET 12

MATCHLINE -L- STA 137 + 00 SEE SHEET 14

RADII 10' UNLESS OTHERWISE NOTED
 FOR -L- PROFILE, SEE PROFILE SHEET 20
 FOR -Y21- PROFILE, SEE PROFILE SHEET 29
 FOR -Y22- PROFILE, SEE PROFILE SHEET 29

***** APE *****	
- STUDY AREA -	STUDY AREA
	PROP CONC SIDEWALK
	PROP MON ISLAND
	RAISED GRASS MEDIAN



PROJECT REFERENCE NO.	SHEET NO.
R-5600	14
RW SHEET NO.	RW-14
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

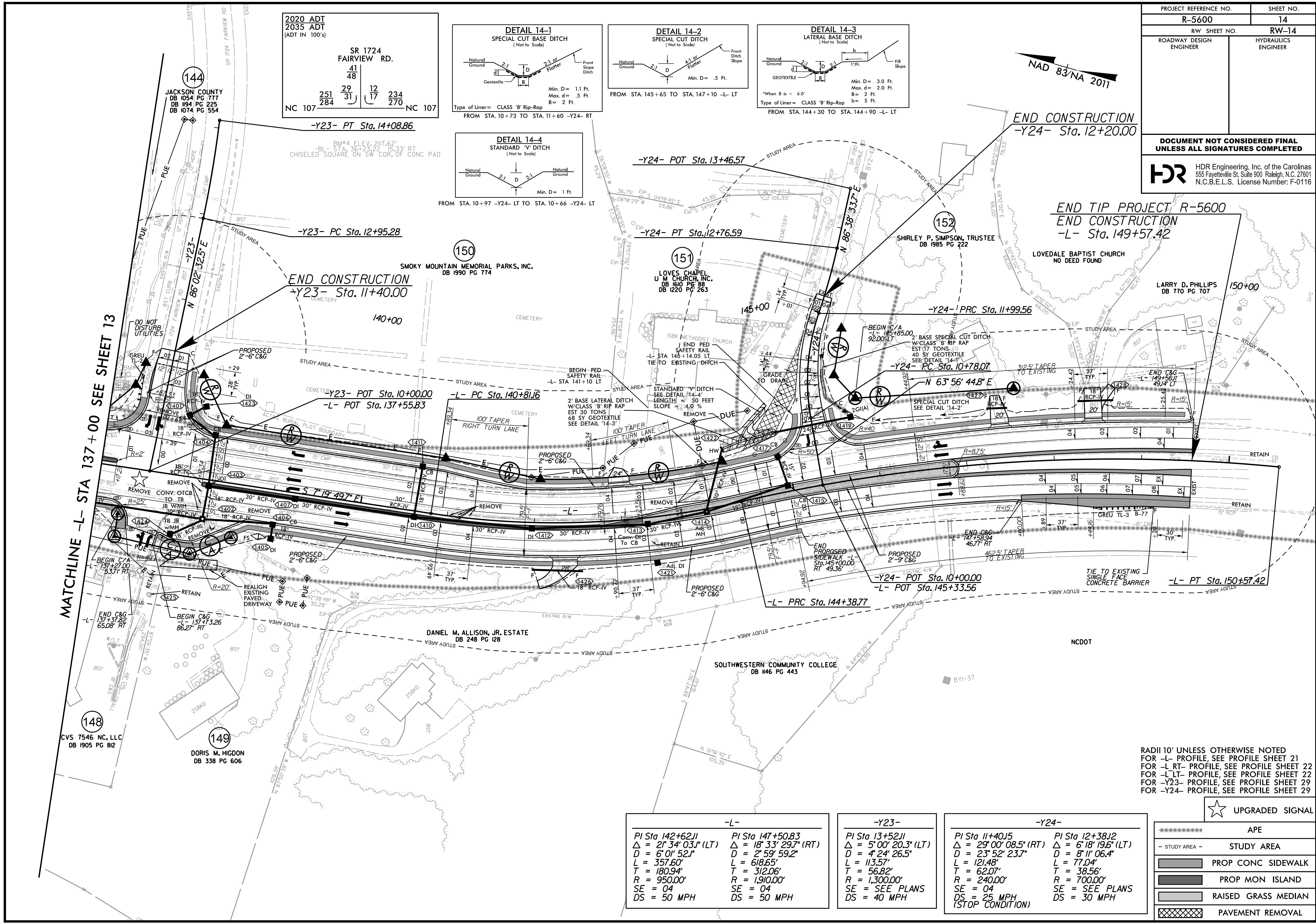
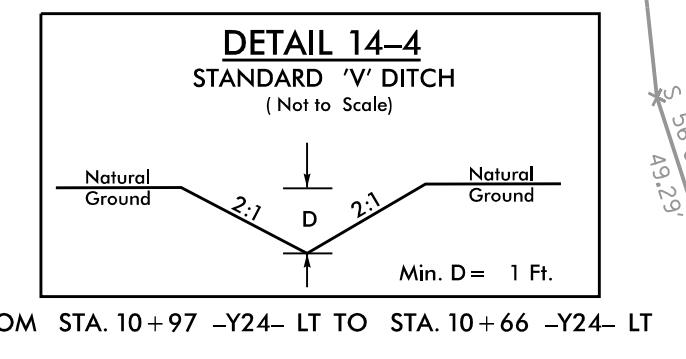
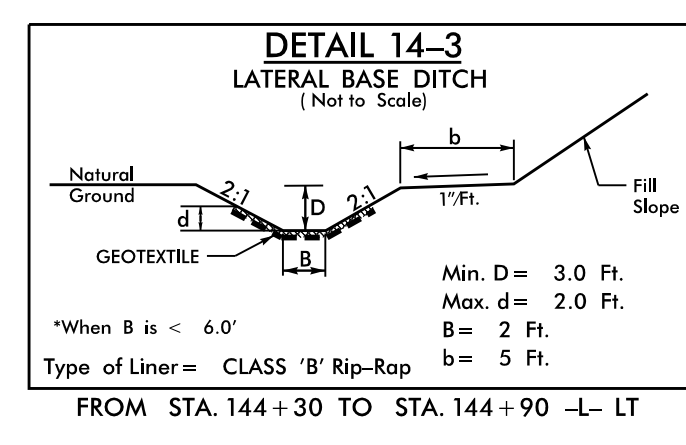
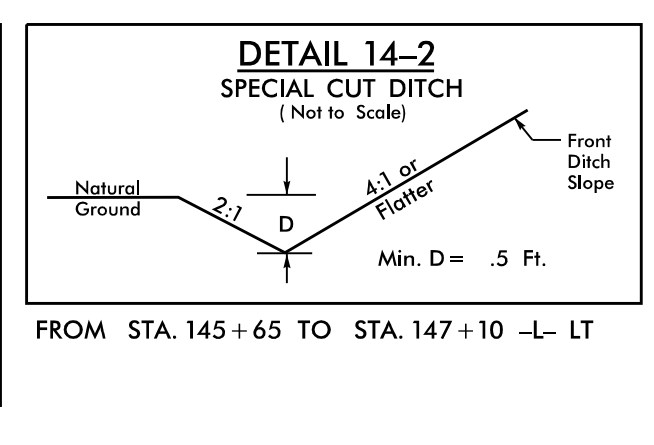
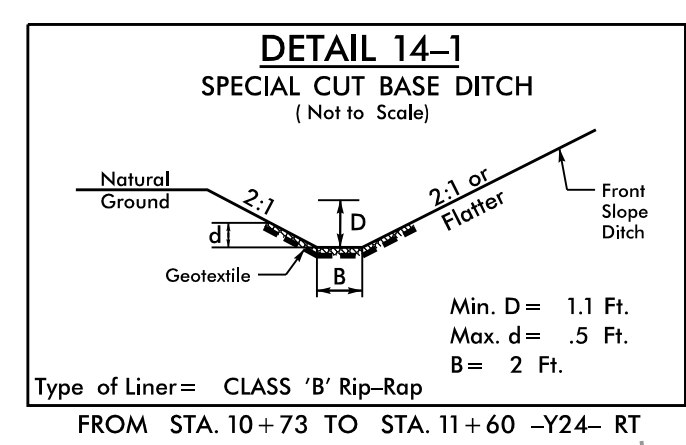
NAD 83/NA 2011

2020 ADT	41
2035 ADT	48
(ADT IN 100's)	

SR 1724 FAIRVIEW RD.

251	29	12	234
284	31	17	270

 NC 107



MATCHLINE -L- STA 137+00 SEE SHEET 13

END TIP PROJECT R-5600
END CONSTRUCTION
-L- Sta. 149+57.42

END CONSTRUCTION
-Y23- Sta. 11+40.00

-L-	
PI Sta 142+62.11	PI Sta 147+50.83
$\Delta = 2^\circ 34' 03.1''$ (LT)	$\Delta = 18^\circ 33' 29.7''$ (RT)
D = 6' 01' 52.1"	D = 2' 59' 59.2"
L = 357.60'	L = 618.65'
T = 180.94'	T = 312.06'
R = 950.00'	R = 1,910.00'
SE = 04	SE = 04
DS = 50 MPH	DS = 50 MPH

-Y23-	
PI Sta 13+52.11	
$\Delta = 5^\circ 00' 20.3''$ (LT)	
D = 4' 24' 26.5"	
L = 113.57'	
T = 56.82'	
R = 1,300.00'	
SE = SEE PLANS	
DS = 40 MPH	

-Y24-	
PI Sta 11+40.15	PI Sta 12+38.12
$\Delta = 29^\circ 00' 08.5''$ (RT)	$\Delta = 6^\circ 18' 19.6''$ (LT)
D = 23' 52" 23.7"	D = 8' 11" 06.4"
L = 121.48'	L = 77.04'
T = 62.07'	T = 38.56'
R = 240.00'	R = 700.00'
SE = 04	SE = SEE PLANS
DS = 25 MPH (STOP CONDITION)	DS = 30 MPH

RADII 10' UNLESS OTHERWISE NOTED
 FOR -L- PROFILE, SEE PROFILE SHEET 21
 FOR -L- RT- PROFILE, SEE PROFILE SHEET 22
 FOR -Y23- PROFILE, SEE PROFILE SHEET 29
 FOR -Y24- PROFILE, SEE PROFILE SHEET 29

*****	APPE
- STUDY AREA -	STUDY AREA
[Pattern]	PROP CONC SIDEWALK
[Pattern]	PROP MON ISLAND
[Pattern]	RAISED GRASS MEDIAN
[Pattern]	PAVEMENT REMOVAL

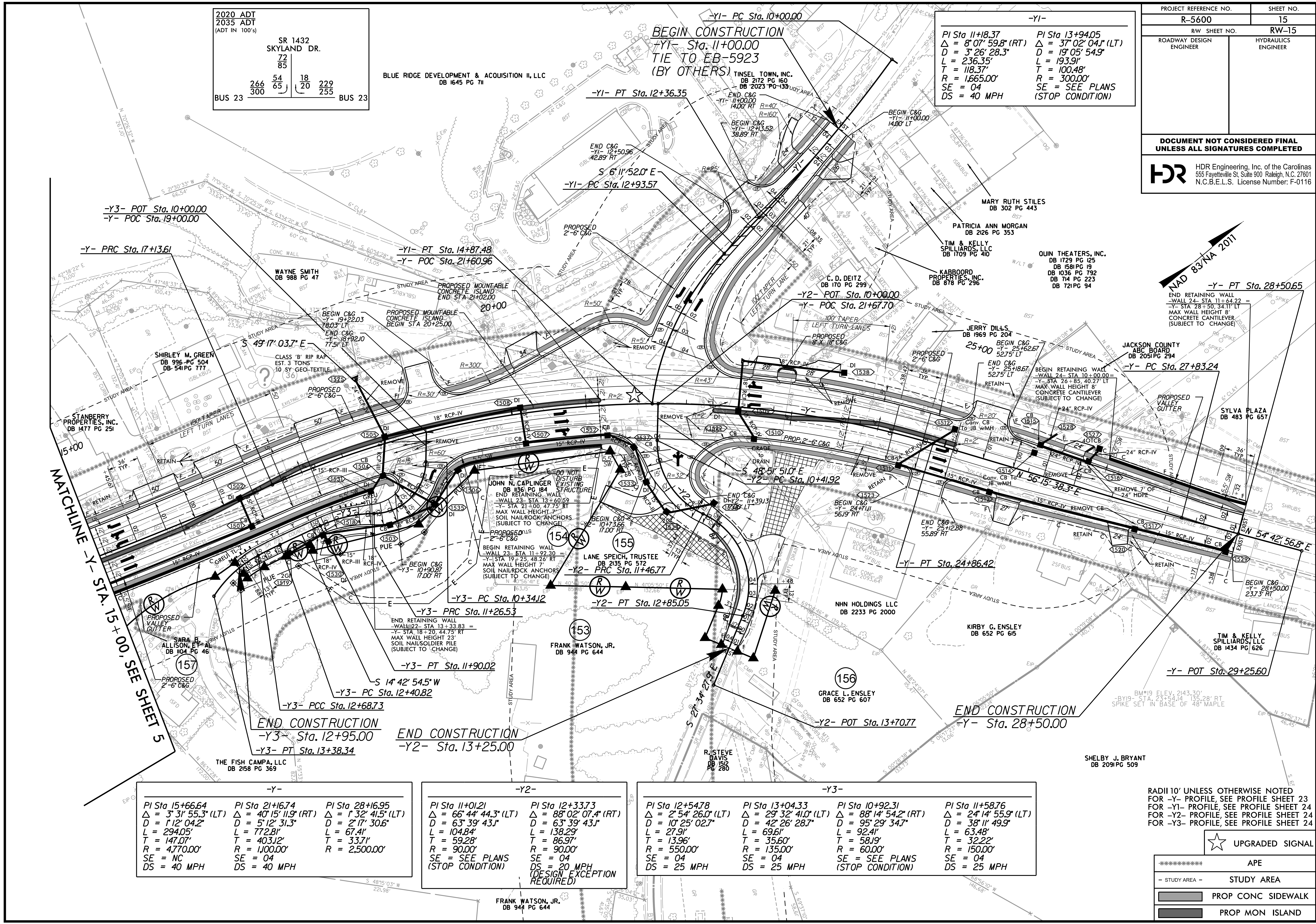
PLOT DRIVER: NCDOT.pdf_color_eng_50.pht
 USER: ASNLIDER
 FILE: PENTABLE: R5600_dshp.f1.hdi
 DATE: 7/11/2022
 TIME: 1:08:13 PM

2020 ADT	2035 ADT	SR 1432	
(ADT IN 100's)		SKYLAND DR.	
		72	85
		266	300
		54	65
		18	20
		229	255
BUS 23			BUS 23

BLUE RIDGE DEVELOPMENT & ACQUISITION II, LLC
DB 1645 PG 711

-Y1-	
PI Sta 11+18.37	PI Sta 13+94.05
$\Delta = 8'07" 59.8" (RT)$	$\Delta = 37'02" 04.1" (LT)$
$D = 3'26" 28.3"$	$D = 19'05" 54.9"$
$L = 236.35'$	$L = 193.9'$
$T = 118.37'$	$T = 100.48'$
$R = 1,665.00'$	$R = 300.00'$
$SE = 04$	$SE = SEE PLANS$
$DS = 40 MPH$	$(STOP CONDITION)$

PROJECT REFERENCE NO.	SHEET NO.
R-5600	15
RW SHEET NO.	RW-15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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	



-Y2-	-Y3-	-Y3-
PI Sta 15+66.64	PI Sta 21+16.74	PI Sta 28+16.95
$\Delta = 3'31" 55.3" (LT)$	$\Delta = 40'15" 11.9" (RT)$	$\Delta = 1'32" 41.5" (LT)$
$D = 1'12" 04.2"$	$D = 5'12" 31.3"$	$D = 2'17" 30.6"$
$L = 294.05'$	$L = 772.81'$	$L = 67.41'$
$T = 147.07'$	$T = 403.12'$	$T = 33.71'$
$R = 4,770.00'$	$R = 1,000.00'$	$R = 2,500.00'$
$SE = NC$	$SE = 04$	$SE = SEE PLANS$
$DS = 40 MPH$	$DS = 40 MPH$	$(STOP CONDITION)$

-Y2-	-Y2-
PI Sta 11+01.21	PI Sta 12+33.73
$\Delta = 66'44" 44.3" (LT)$	$\Delta = 88'02" 07.4" (RT)$
$D = 63'39" 43.1"$	$D = 63'39" 43.1"$
$L = 104.84'$	$L = 138.29'$
$T = 59.28'$	$T = 86.97'$
$R = 90.00'$	$R = 90.00'$
$SE = SEE PLANS$	$SE = 04$
$(STOP CONDITION)$	$DS = 20 MPH$
	$(DESIGN EXCEPTION REQUIRED)$

-Y3-	-Y3-	-Y3-	-Y3-
PI Sta 12+54.78	PI Sta 13+04.33	PI Sta 10+92.31	PI Sta 11+58.76
$\Delta = 2'54" 26.0" (LT)$	$\Delta = 29'32" 41.0" (LT)$	$\Delta = 88'14" 54.2" (RT)$	$\Delta = 24'14" 55.9" (LT)$
$D = 10'25" 02.7"$	$D = 42'26" 28.7"$	$D = 95'29" 34.7"$	$D = 38'11" 49.9"$
$L = 27.91'$	$L = 69.61'$	$L = 92.41'$	$L = 63.48'$
$T = 13.96'$	$T = 35.60'$	$T = 58.19'$	$T = 32.22'$
$R = 550.00'$	$R = 135.00'$	$R = 60.00'$	$R = 150.00'$
$SE = 04$	$SE = 04$	$SE = SEE PLANS$	$SE = 04$
$DS = 25 MPH$	$DS = 25 MPH$	$(STOP CONDITION)$	$DS = 25 MPH$

RADII 10' UNLESS OTHERWISE NOTED FOR -Y- PROFILE, SEE PROFILE SHEET 23 FOR -Y1- PROFILE, SEE PROFILE SHEET 24 FOR -Y2- PROFILE, SEE PROFILE SHEET 24 FOR -Y3- PROFILE, SEE PROFILE SHEET 24

★ UPGRADED SIGNAL

***** APE

- STUDY AREA - STUDY AREA

PROP CONC SIDEWALK

PROP MON ISLAND

PLOT DRIVER: NCDOT... PENTABLE: R5600... DATE: 7/11/2022 TIME: 1:08:20 PM USER: ASNIDER FILE: \