

HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

CHECKED BY: BPB

REVISIONS

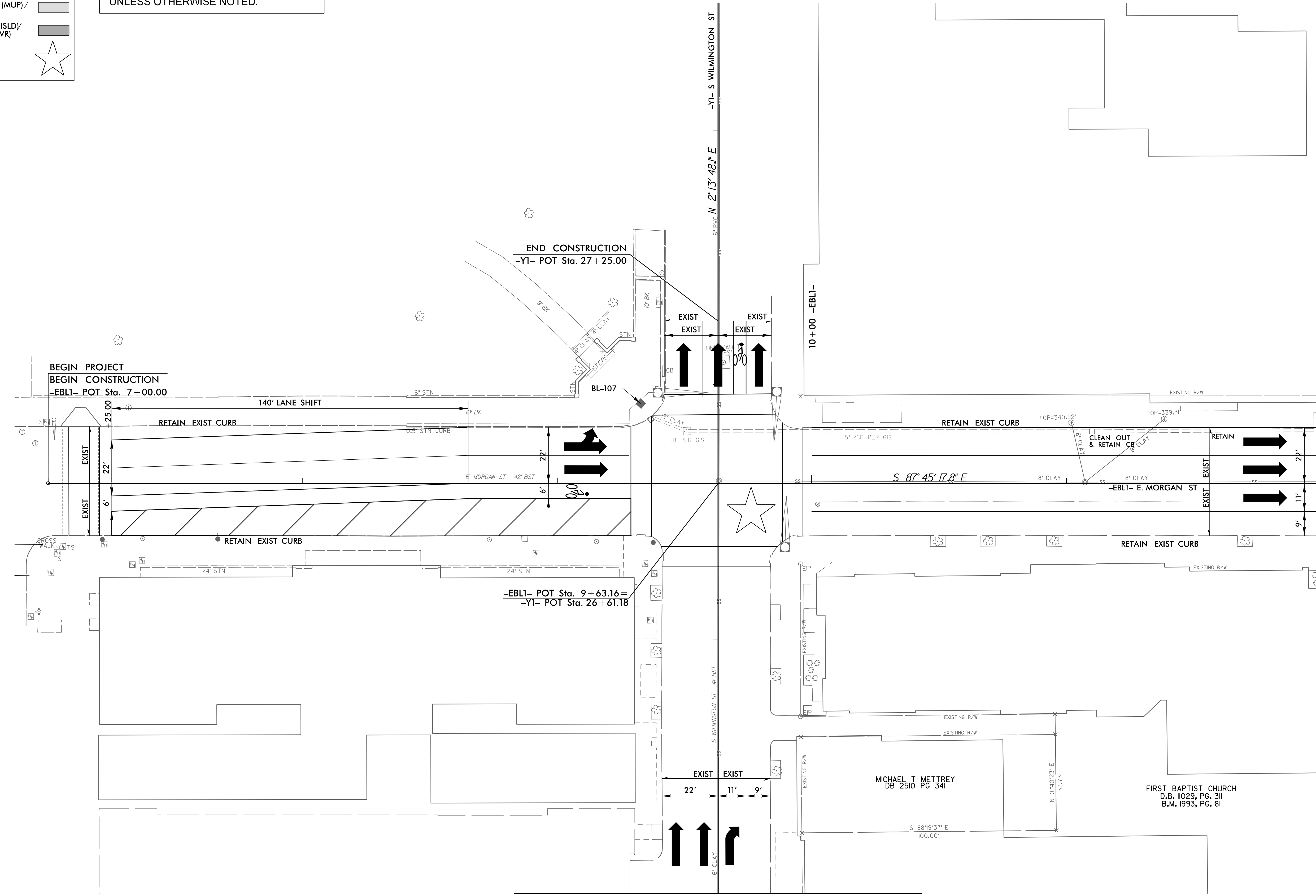
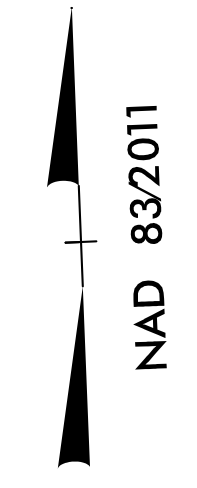
NO.	DATE

SCALES
HSCALE 1"=20'

SHEET: 4

LEGEND	
CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

NOTES:
 1. FOR -EBL1- PROFILE, SEE SHEET 64.
 2. FOR -Y1- PROFILE, SEE SHEETS 98 & 99.
 3. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.



MATCHLINE -Y1- STA. 25+00.00 SEE SHEET 39

MATCHLINE -EBL1- STA. 12+00.00 SEE SHEET 5

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SCALES
HSCALE 1"=20'

SHEET:
5

LEGEND

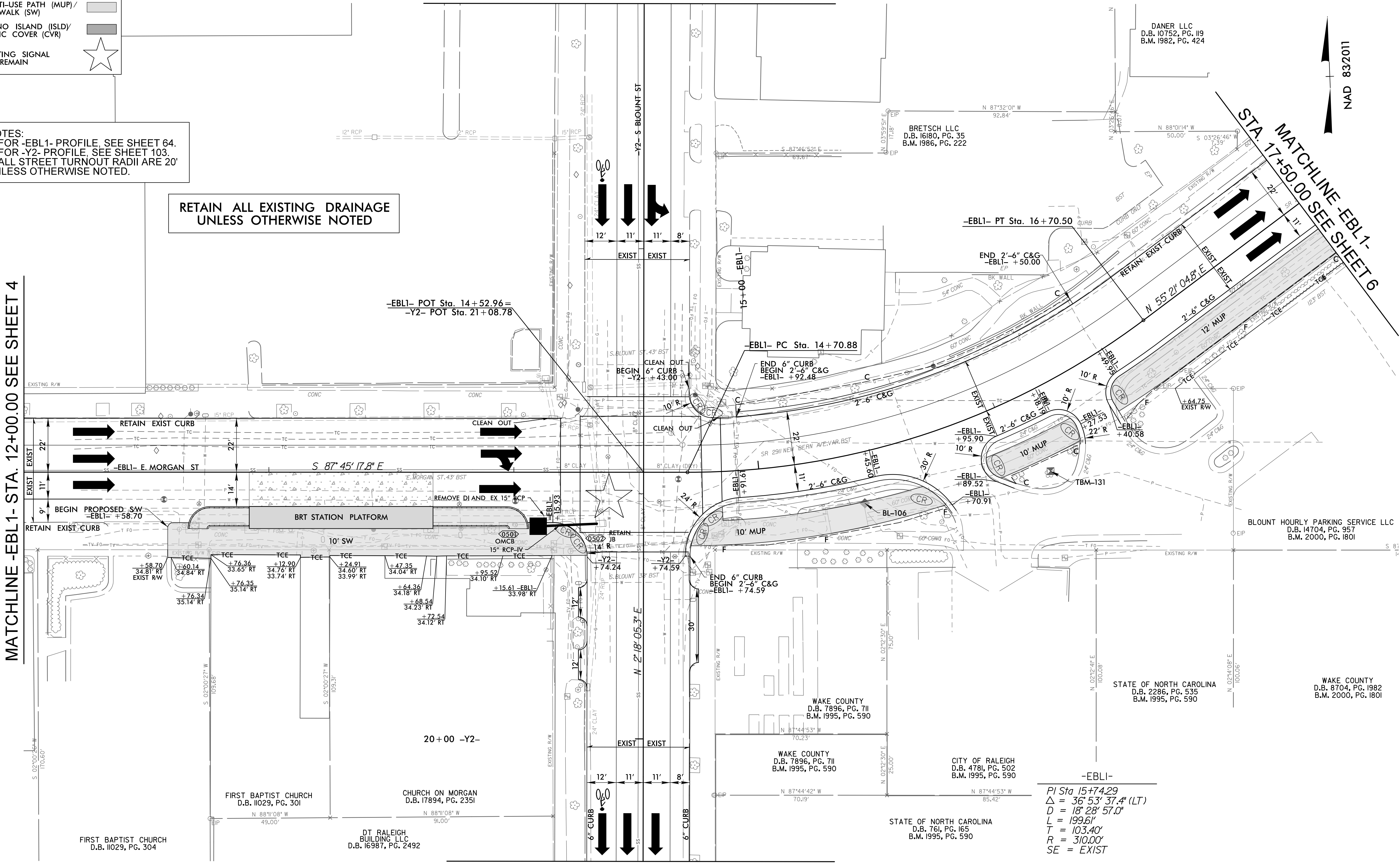
CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

NOTES:
 1. FOR -EBL1- PROFILE, SEE SHEET 64.
 2. FOR -Y2- PROFILE, SEE SHEET 103.
 3. ALL STREET TURNOUT RADII ARE 20'
 UNLESS OTHERWISE NOTED.

RETAIN ALL EXISTING DRAINAGE
UNLESS OTHERWISE NOTED

MATCHLINE -Y2- STA. 23+00.00 SEE SHEET 42

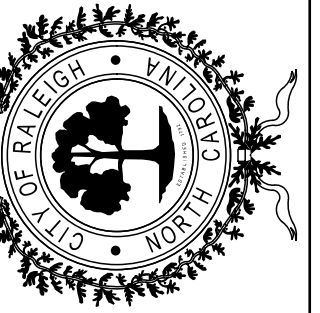
MATCHLINE -EBL1- STA. 12+00.00 SEE SHEET 4



MATCHLINE -Y2- STA. 19+50.00 SEE SHEET 41

-EBL1-
 PI Sta 15+74.29
 $\Delta = 36' 53" 37.4" (LT)$
 $D = 18' 28" 57.0"$
 $L = 199.61'$
 $T = 103.40'$
 $R = 310.00'$
 SE = EXIST

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 jrb



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ENGINEER

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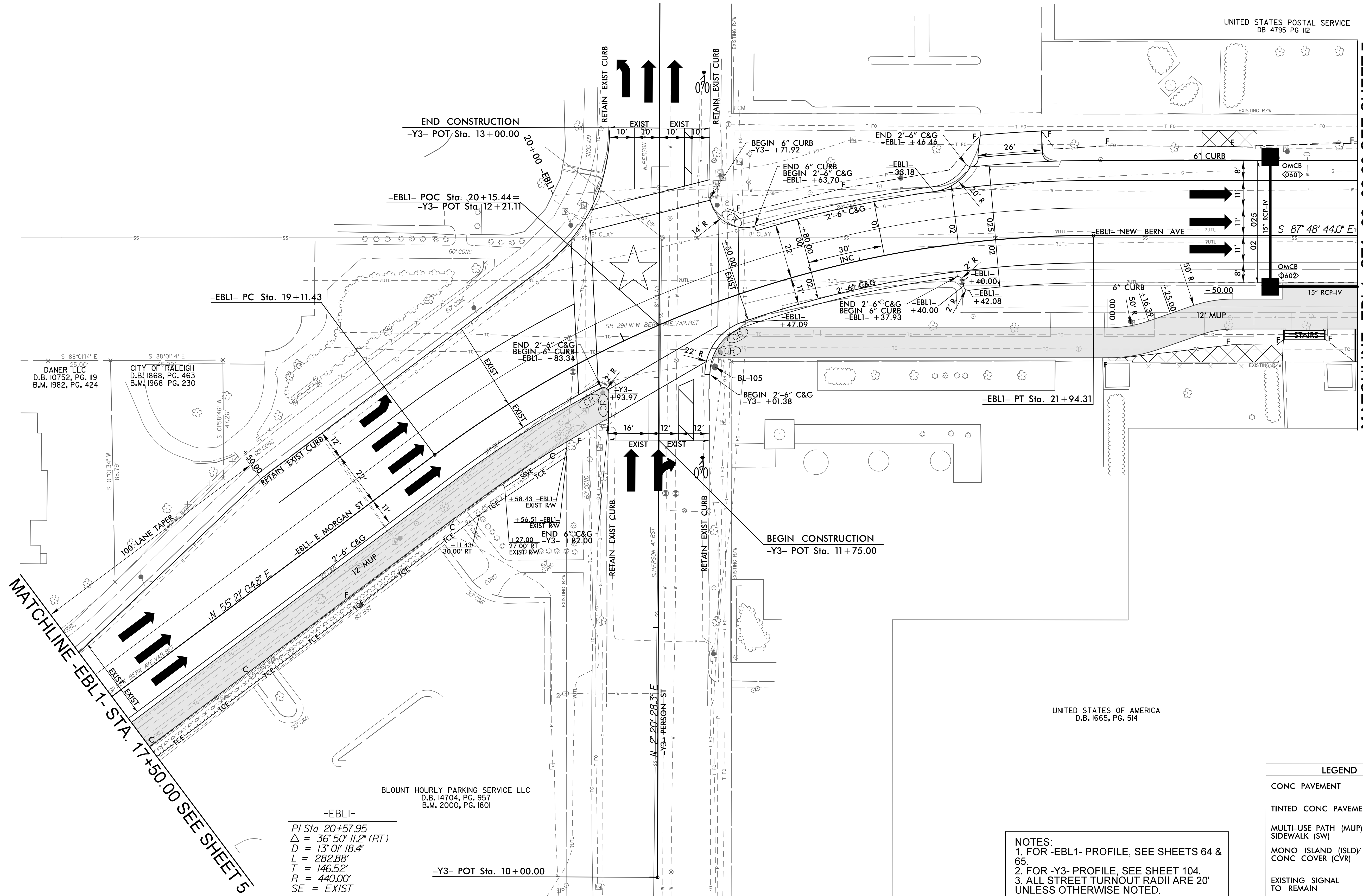
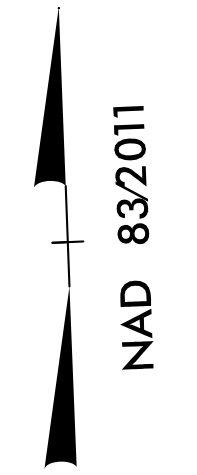
PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE:	2/10/2022
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CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
HSCALE 1"=20'

SHEET:
6



MATCHLINE -EBL1- STA. 23+00.00 SEE SHEET 7

MATCHLINE -EBL1- STA. 17+50.00 SEE SHEET 5

-EBL1-
 PI Sta 20+57.95
 $\Delta = 36^\circ 50' 11.2''$ (RT)
 $D = 13^\circ 01' 18.4''$
 $L = 282.88'$
 $T = 146.52'$
 $R = 440.00'$
 SE = EXIST

BLOUNT HOURLY PARKING SERVICE LLC
 D.B. 14704, PG. 957
 B.M. 2000, PG. 1801

-Y3- POT Sta. 10+00.00

NOTES:
 1. FOR -EBL1- PROFILE, SEE SHEETS 64 & 65.
 2. FOR -Y3- PROFILE, SEE SHEET 104.
 3. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.

LEGEND	
CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

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ROADWAY DESIGN ENGINEER
 HYDRAULICS ENGINEER
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PROJECT: WAKE BRT NEW BERN AVE
 PLAN SHEET

DATE: 2/10/2022
 CADD TECH: TAR
 CHECKED BY: BPB
 REVISIONS

NO.	DATE

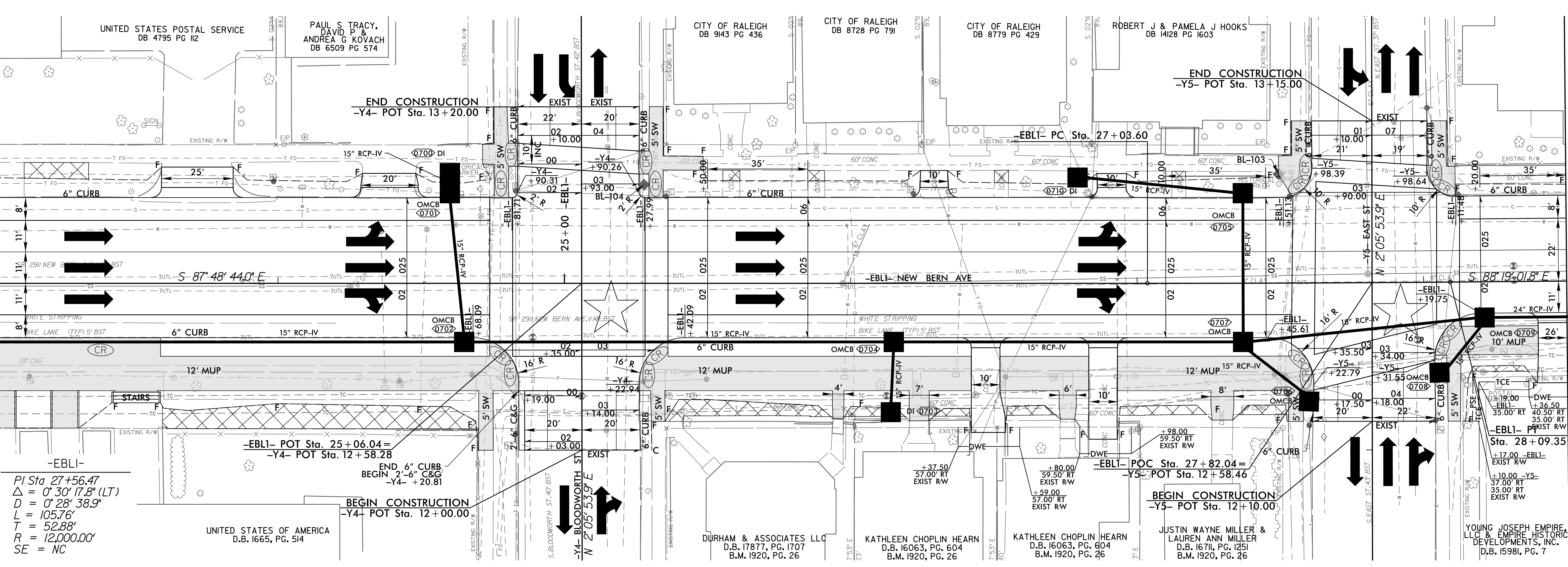
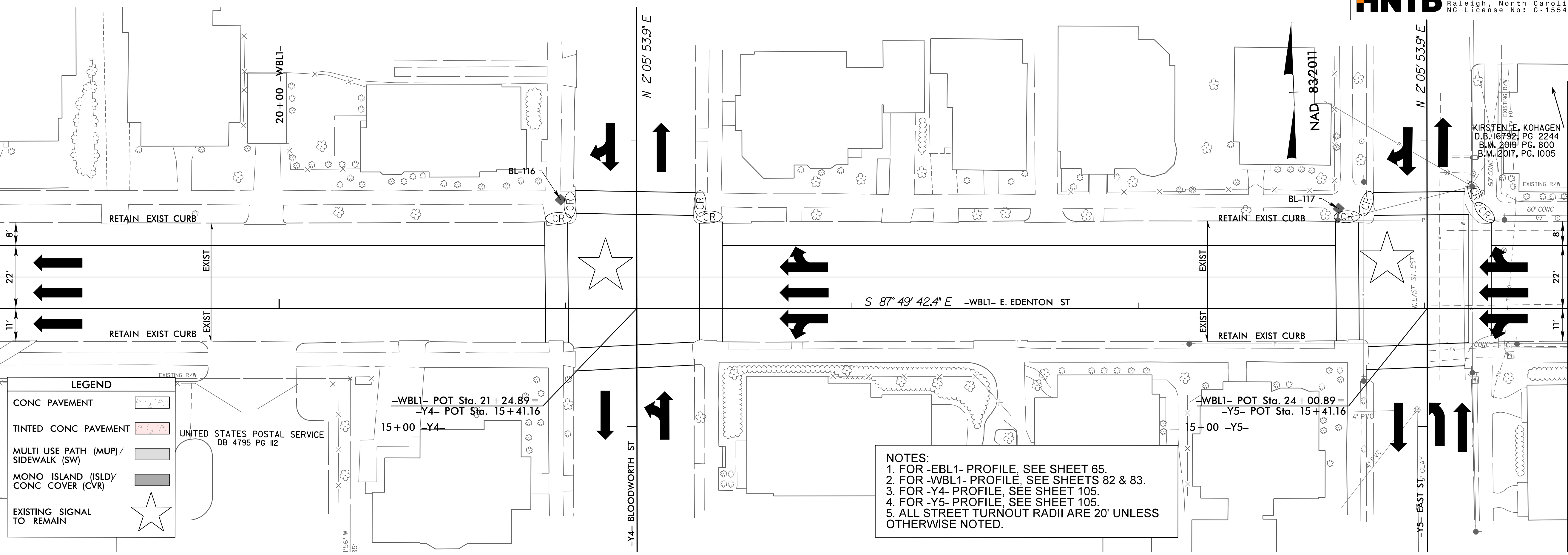
SCALES
 HSCALE 1"=20'
 SHEET: 7

MATCHLINE -WBL1- STA. 19+00.00 SEE SHEET 43

MATCHLINE -EBL1- STA. 23+00.00 SEE SHEET 6

MATCHLINE -WBL1- STA. 24+50.00 SEE SHEET 8

MATCHLINE -EBL1- STA. 28+50.00 SEE SHEET 8



NOTES:
 1. FOR -EBL1- PROFILE, SEE SHEET 65.
 2. FOR -WBL1- PROFILE, SEE SHEETS 82 & 83.
 3. FOR -Y4- PROFILE, SEE SHEET 105.
 4. FOR -Y5- PROFILE, SEE SHEET 105.
 5. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.

-EBL1-
 PI Sta 27+56.47
 $\Delta = 0^\circ 30' 17.8''$ (LT)
 $D = 0^\circ 28' 38.9''$
 $L = 105.76'$
 $T = 52.88'$
 $R = 12,000.00'$
 $SE = NC$

UNITED STATES OF AMERICA
 D.B. 1665, PG. 514

DURHAM & ASSOCIATES LLC
 D.B. 17877, PG. 1707
 B.M. 1920, PG. 26

KATHLEEN CHOPLIN HEARN
 D.B. 16063, PG. 604
 B.M. 1920, PG. 26

KATHLEEN CHOPLIN HEARN
 D.B. 16063, PG. 604
 B.M. 1920, PG. 26

JUSTIN WAYNE MILLER & LAUREN ANN MILLER
 D.B. 1671, PG. 1251
 B.M. 1920, PG. 26

YOUNG JOSEPH EMPIRE
 LLC & EMPIRE HISTORIC
 DEVELOPMENTS, INC.
 D.B. 15981, PG. 7



HYDRAULICS ENGINEER
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PLAN SHEET

PROJECT:
**WAKE BRT
 NEW BERN AVE**

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

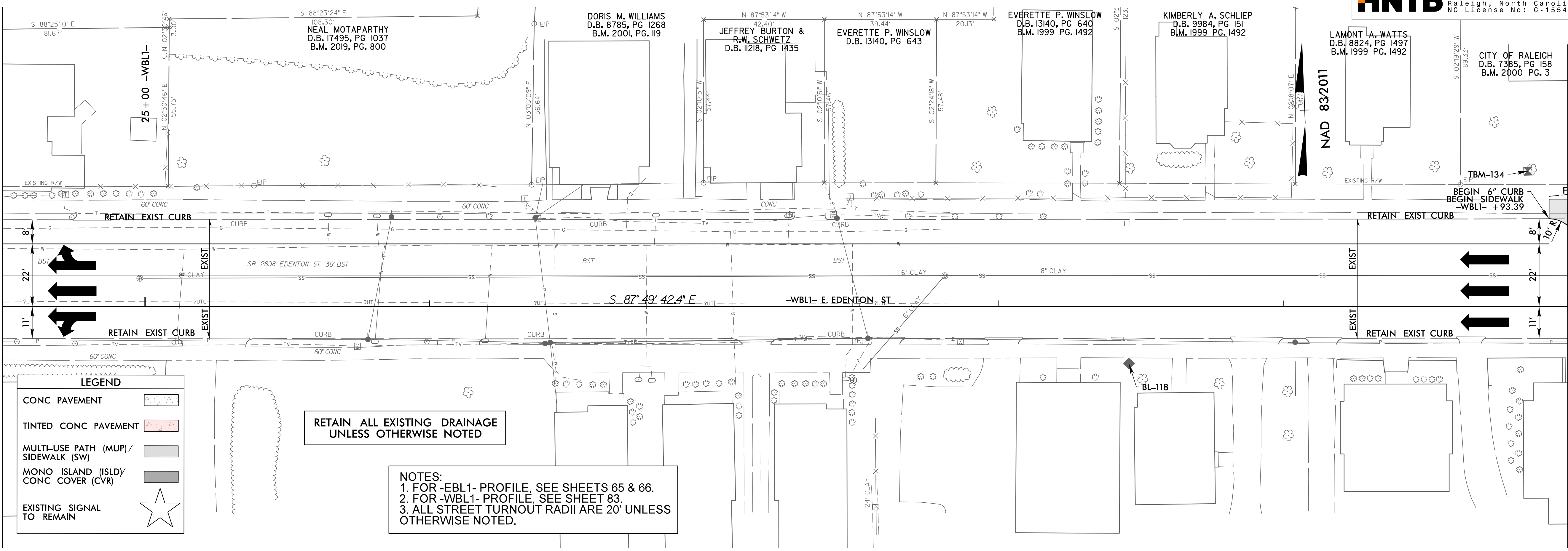
SCALES
 HSCALE 1"=20'
 SHEET:
 8

MATCHLINE -WBL1- STA. 24+50.00 SEE SHEET 7

MATCHLINE -EBL1- STA. 28+50.00 SEE SHEET 7

MATCHLINE -WBL1- STA. 30+00.00 SEE SHEET 9

MATCHLINE -EBL1- STA. 34+00.00 SEE SHEET 9

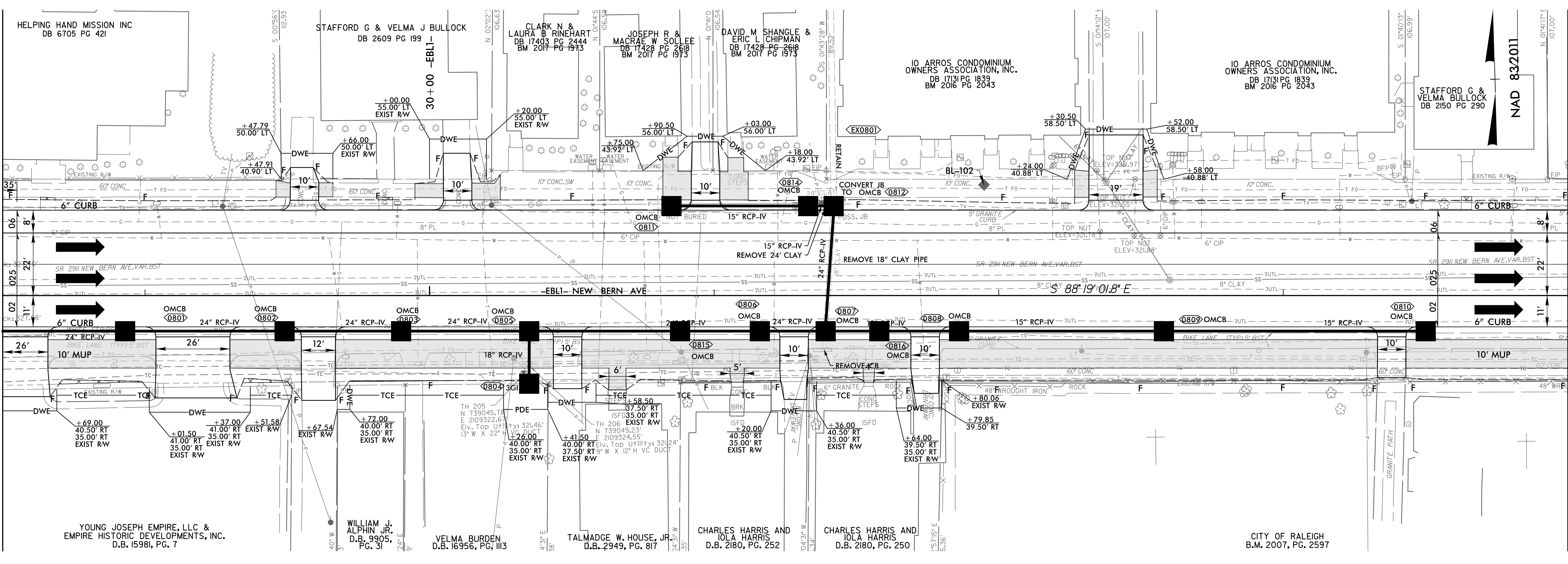


LEGEND

- CONC PAVEMENT
- TINTED CONC PAVEMENT
- MULTI-USE PATH (MUP)/
SIDEWALK (SW)
- MONO ISLAND (ISLD)/
CONC COVER (CVR)
- EXISTING COVER
TO REMAIN

RETAIN ALL EXISTING DRAINAGE
 UNLESS OTHERWISE NOTED

NOTES:
 1. FOR -EBL1- PROFILE, SEE SHEETS 65 & 66.
 2. FOR -WBL1- PROFILE, SEE SHEET 83.
 3. ALL STREET TURNOUT RADII ARE 20' UNLESS
 OTHERWISE NOTED.



YOUNG JOSEPH EMPIRE, LLC &
 EMPIRE HISTORIC DEVELOPMENTS, INC.
 D.B. 15981, PG. 7

CITY OF RALEIGH
 B.M. 2007, PG. 2597



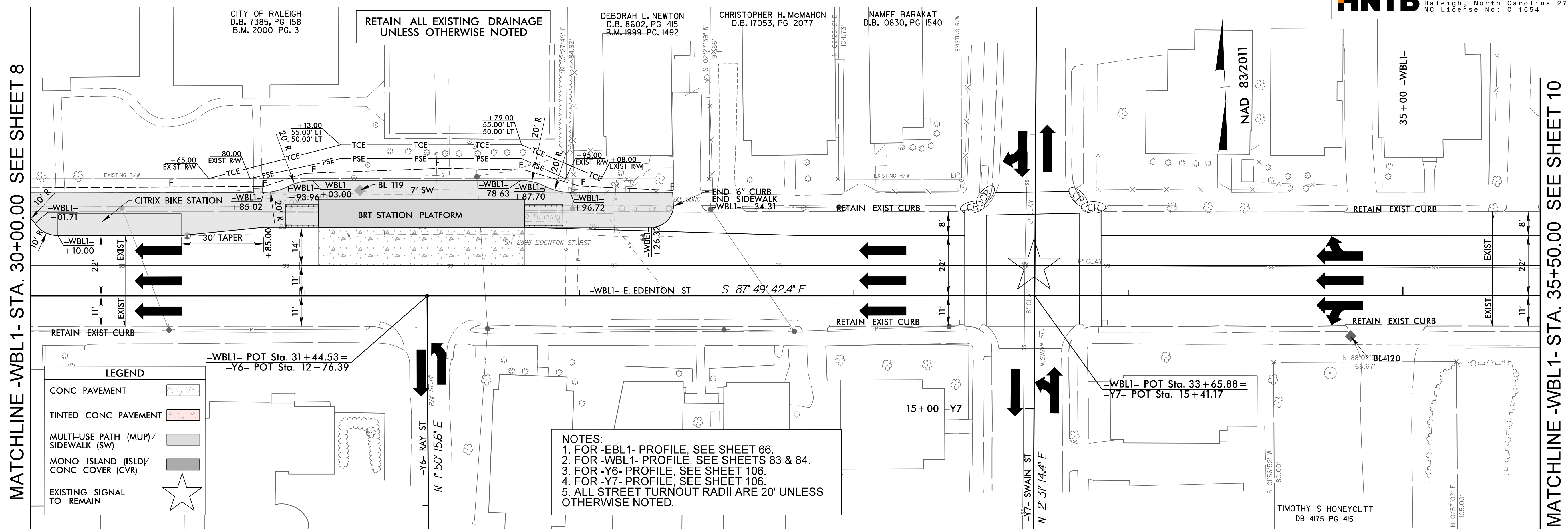
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PLAN SHEET

PROJECT: WAKE BRT
 NEW BERN AVE

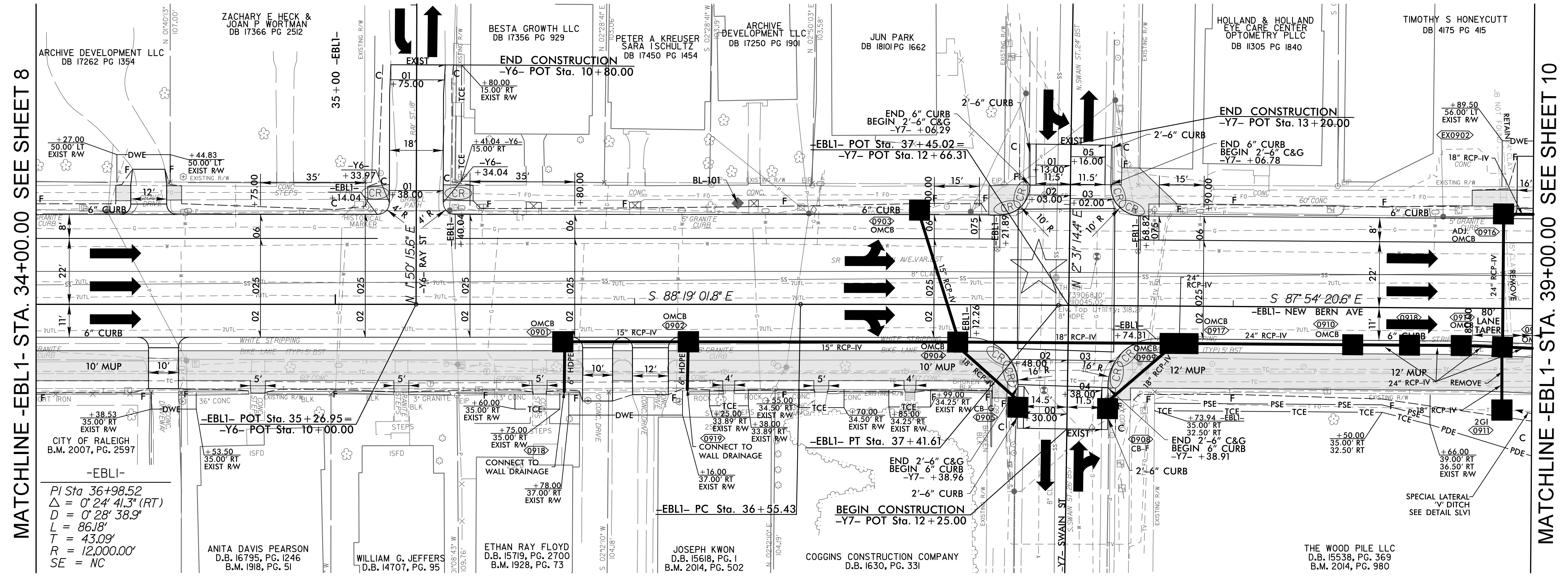
NO.	DATE

SCALES
 HSCALE 1"=20'
 SHEET: 9



MATCHLINE -WBL1- STA. 30+00.00 SEE SHEET 8

MATCHLINE -WBL1- STA. 35+50.00 SEE SHEET 10



MATCHLINE -EBL1- STA. 34+00.00 SEE SHEET 8

MATCHLINE -EBL1- STA. 39+00.00 SEE SHEET 10

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HYDRAULICS
ENGINEER

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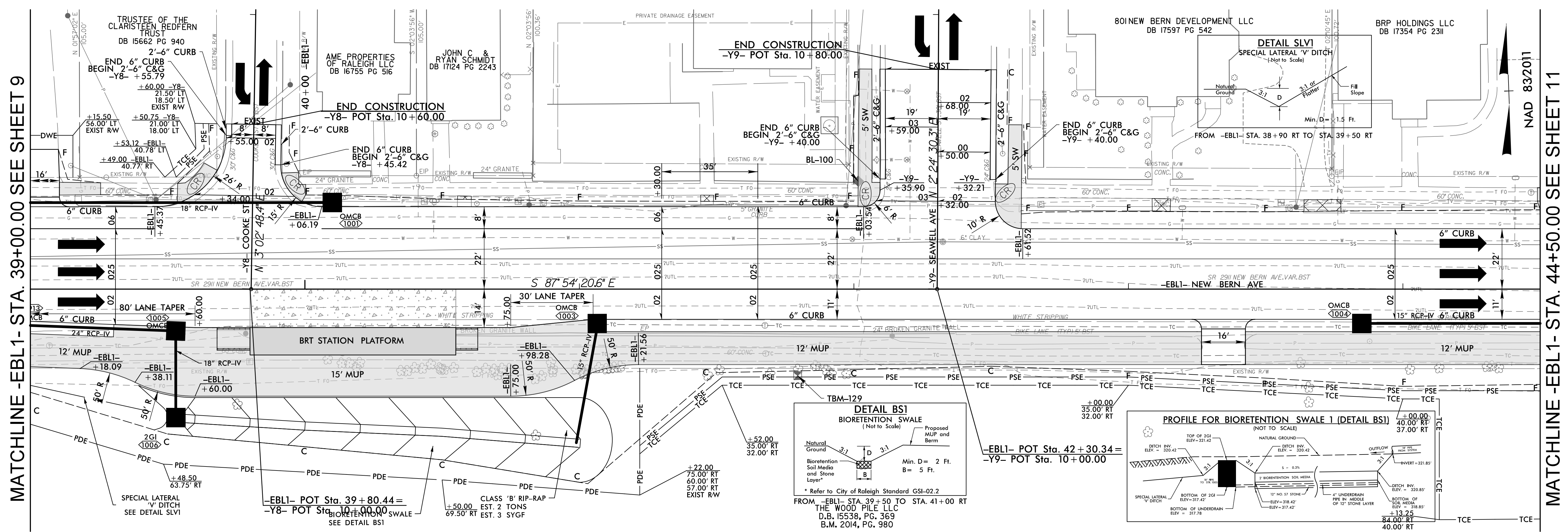
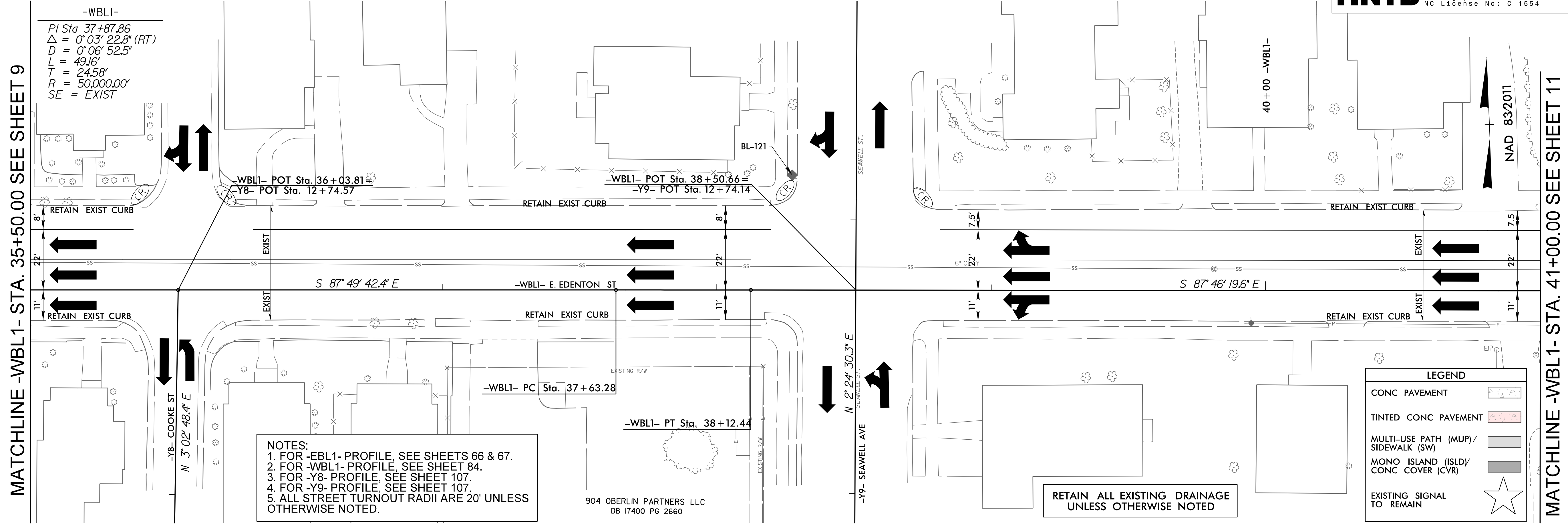
PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE:	2/10/2022
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REVISIONS	
NO.	DATE

SCALES
HSCALE 1"=20'

SHEET:
10



MATCHLINE -WBL1- STA. 35+50.00 SEE SHEET 9

MATCHLINE -EBL1- STA. 39+00.00 SEE SHEET 9

MATCHLINE -WBL1- STA. 41+00.00 SEE SHEET 11

MATCHLINE -EBL1- STA. 44+50.00 SEE SHEET 11



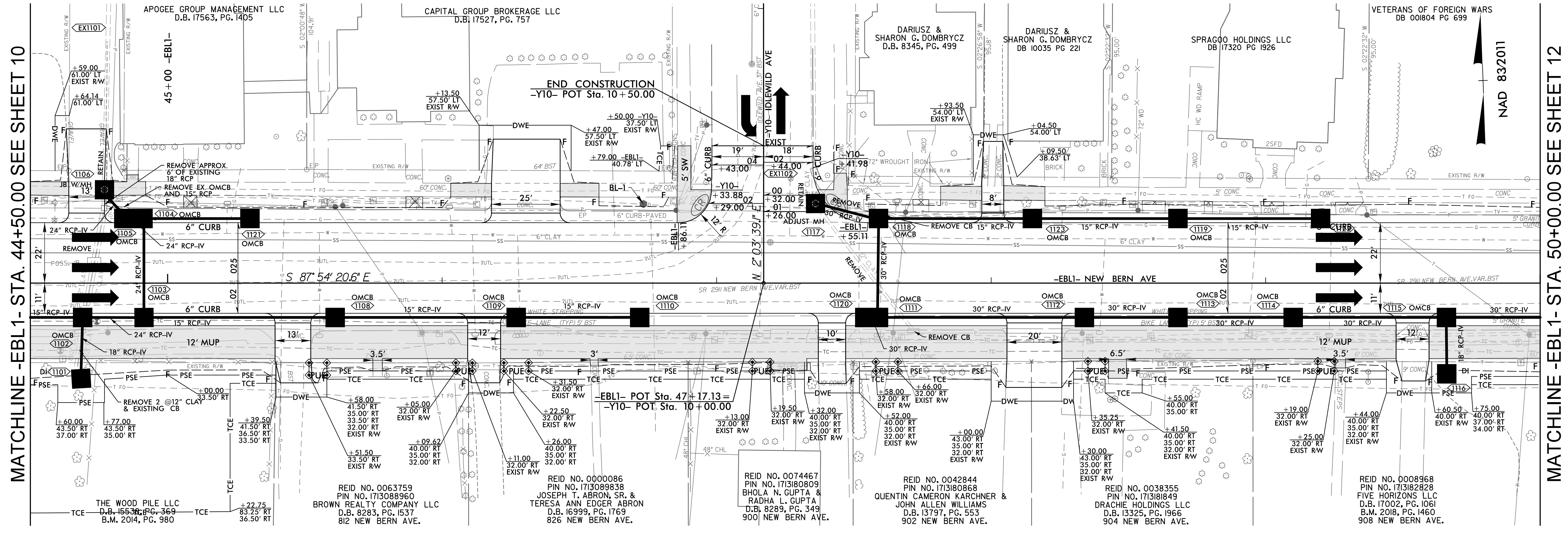
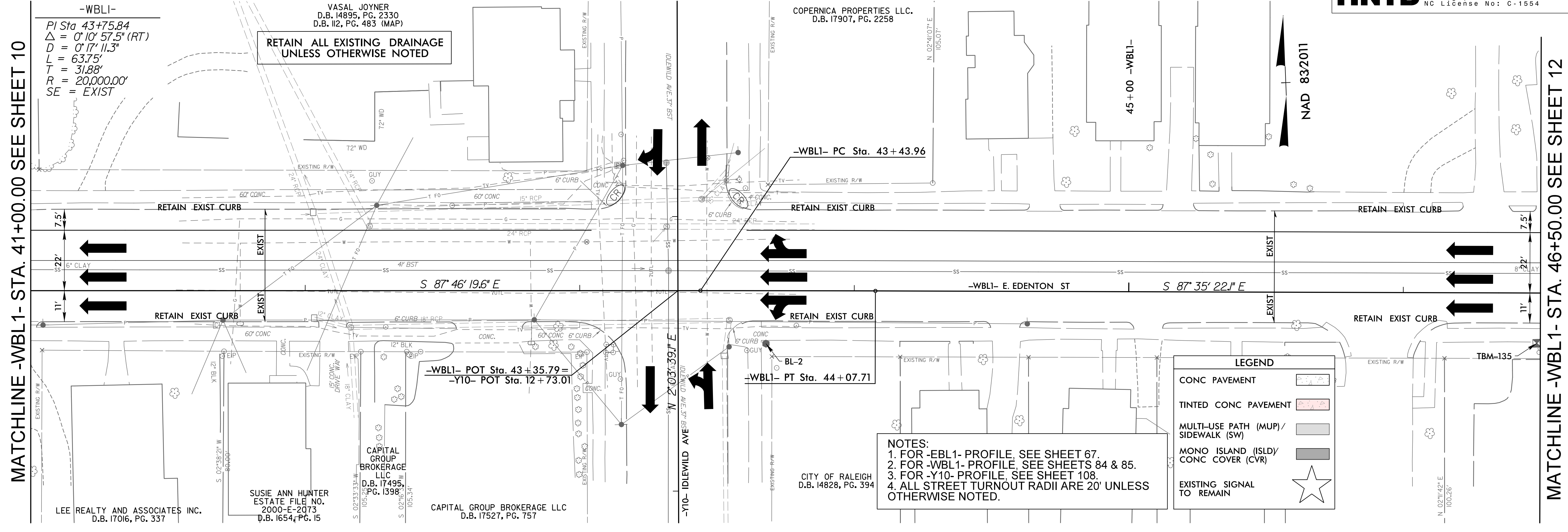
HYDRAULICS ENGINEER
 ROADWAY DESIGN ENGINEER
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PLAN SHEET

PROJECT: WAKE BRIDGE NEW BERN AVE

NO.	DATE

SCALES
 HSCALE 1"=20'



MATCHLINE -WBL1- STA. 41+00.00 SEE SHEET 10

MATCHLINE -WBL1- STA. 46+50.00 SEE SHEET 12

MATCHLINE -EBL1- STA. 44+50.00 SEE SHEET 10

MATCHLINE -EBL1- STA. 50+00.00 SEE SHEET 12



ROADWAY DESIGN
 ENGINEER

HYDRAULICS
 ENGINEER

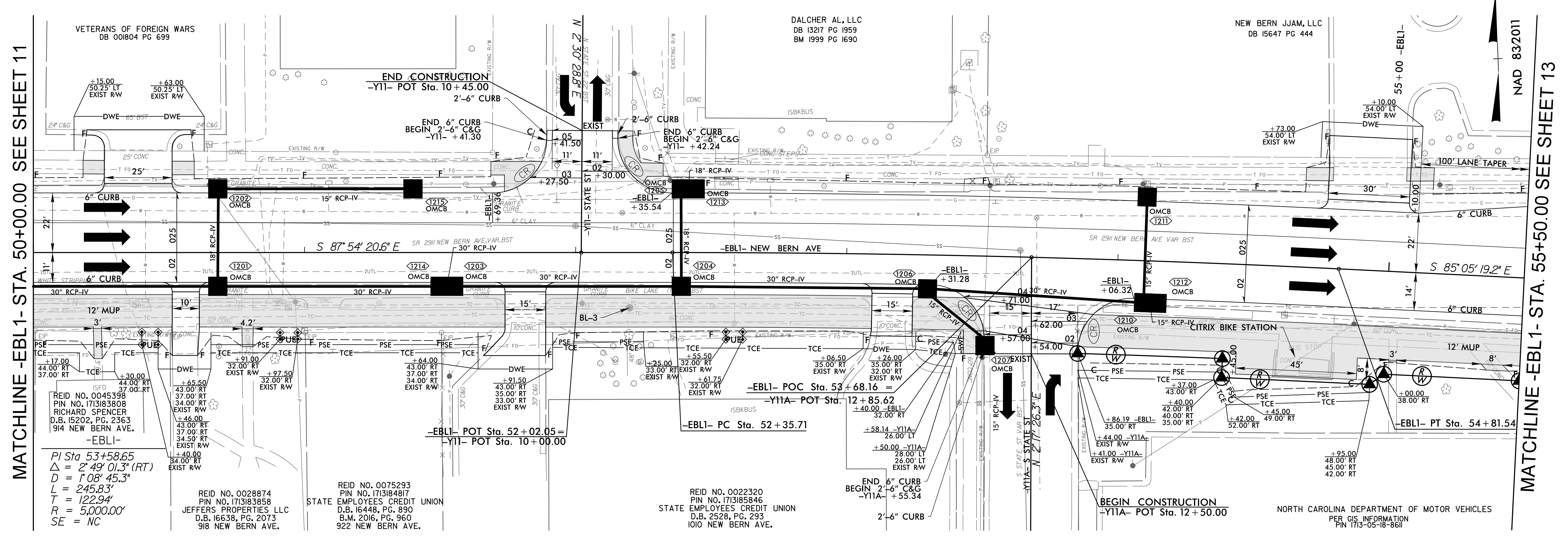
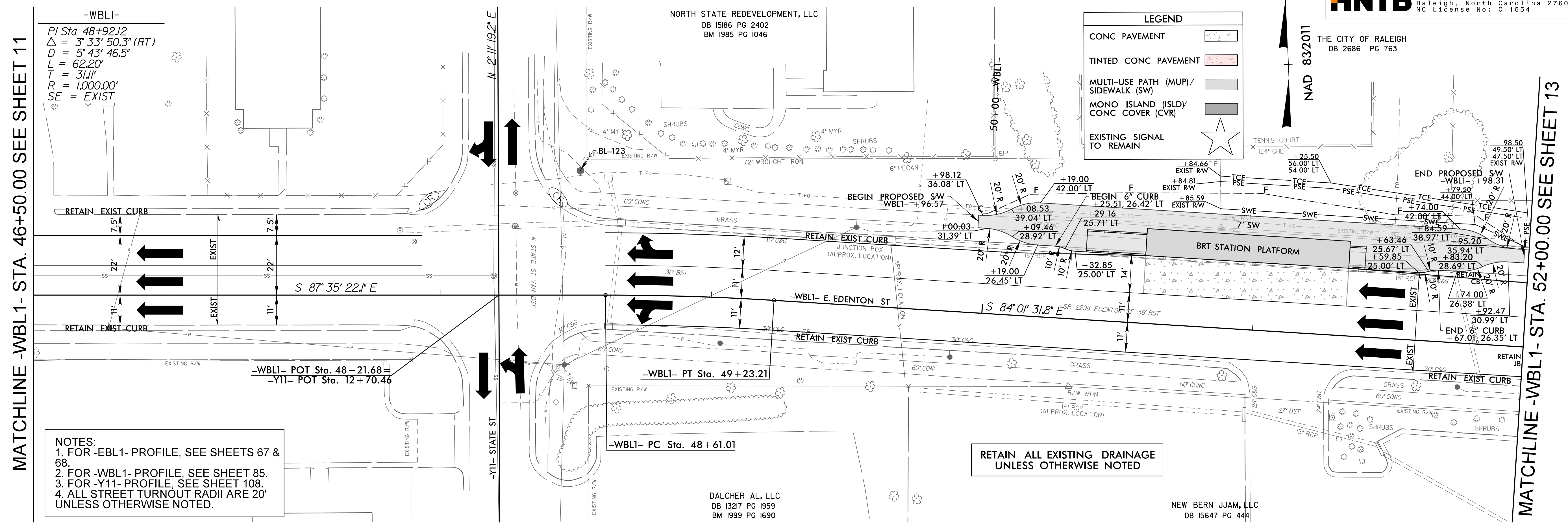
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PROJECT:
**WAKE BRT
 NEW BERN AVE**

DATE: 2/10/2022
 CADD TECH: TAR
 CHECKED BY: BPB

REVISIONS	
NO.	DATE

SCALES
 HSCALE 1"=20'



2/10/2022 10:56 AM
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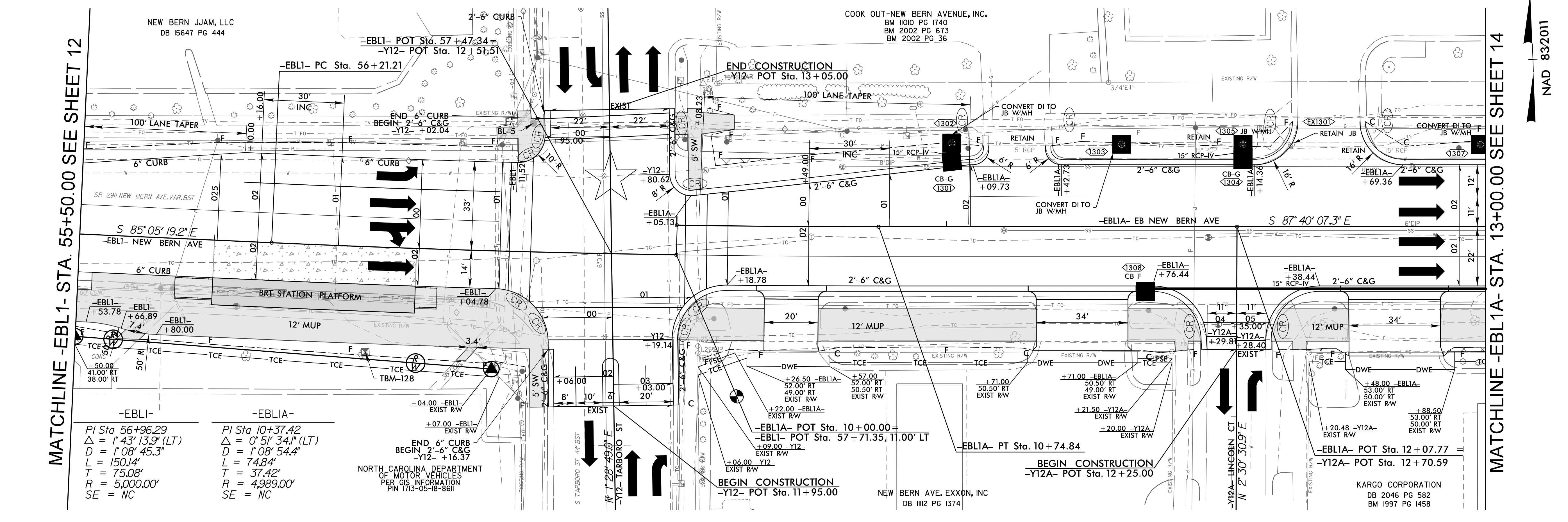
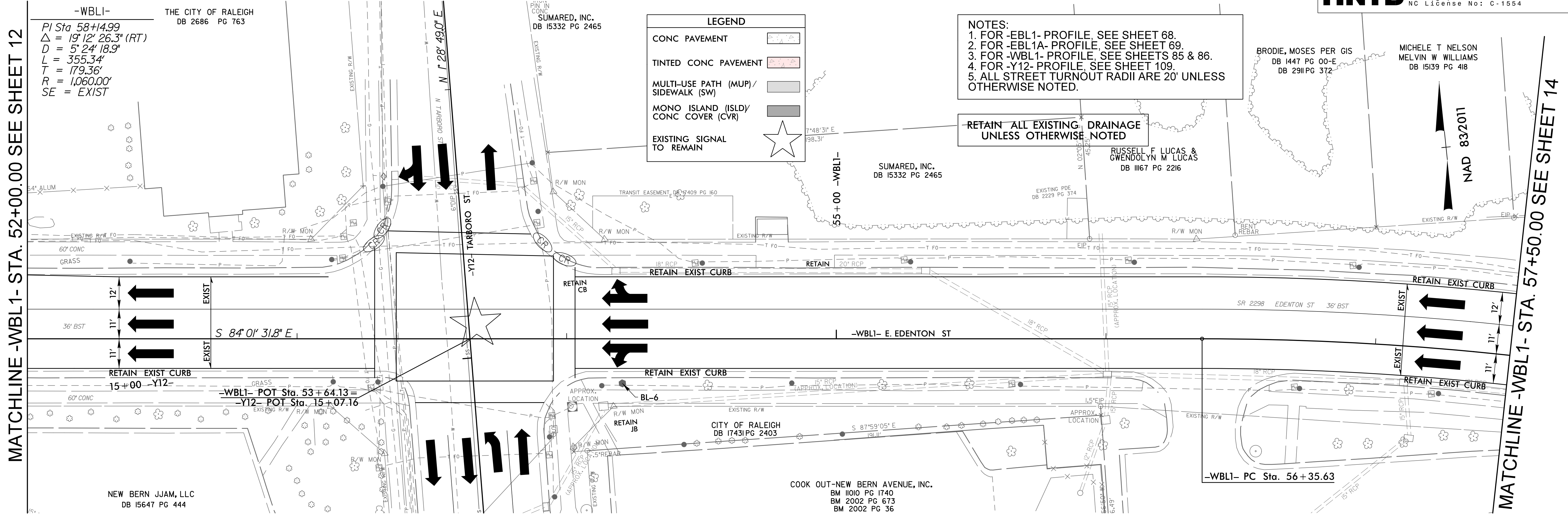
HYDRAULICS ENGINEER
 ROADWAY DESIGN ENGINEER
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PLAN SHEET

PROJECT: WAKE BRT
 NEW BERN AVE

NO.	DATE

SCALES
 HSCALE 1"=20'
 SHEET: 13



MATCHLINE -WBL1- STA. 52+00.00 SEE SHEET 12

-WBL1-
 PI Sta 58+14.99
 $\Delta = 19' 12" 26.3" (RT)$
 $D = 5' 24" 18.9"$
 $L = 355.34'$
 $T = 179.36'$
 $R = 1,060.00'$
 $SE = EXIST$

MATCHLINE -EBL1- STA. 55+50.00 SEE SHEET 12

-EBL1-
 PI Sta 56+96.29
 $\Delta = 1' 43" 13.9" (LT)$
 $D = 1' 08" 45.3"$
 $L = 150.14'$
 $T = 75.08'$
 $R = 5,000.00'$
 $SE = NC$

-EBL1A-
 PI Sta 10+37.42
 $\Delta = 0' 51" 34.1" (LT)$
 $D = 1' 08" 54.4"$
 $L = 74.84'$
 $T = 37.42'$
 $R = 4,989.00'$
 $SE = NC$

MATCHLINE -WBL1- STA. 57+50.00 SEE SHEET 14

MATCHLINE -EBL1A- STA. 13+00.00 SEE SHEET 14

THE CITY OF RALEIGH
 DB 2686 PG 763

SUMARED, INC.
 DB 15332 PG 2465

NEW BERN JJAM, LLC
 DB 15647 PG 444

NEW BERN JJAM, LLC
 DB 15647 PG 444

COOK OUT-NEW BERN AVENUE, INC.
 BM 11010 PG 1740
 BM 2002 PG 673
 BM 2002 PG 36

NEW BERN AVE. EXXON, INC.
 DB 1112 PG 1374

Y12-TARBORO ST
 $N 1' 28' 49.0" E$

SR 2298 EDENTON ST 36' BST

SR 2911 NEW BERN AVE VAR. BST

Y12-TARBORO ST
 $N 1' 28' 49.0" E$

EBL1- EB NEW BERN AVE
 $S 87' 40' 07.3" E$

BL-6

CITY OF RALEIGH
 DB 17431 PG 2403

END 6" CURB
 -Y12- +02.04

BEGIN 2'-6" C&G
 -Y12- +07.16

END 6" CURB
 -Y12- +11.52

BEGIN 2'-6" C&G
 -Y12- +16.37

NORTH CAROLINA DEPARTMENT OF MOTOR VEHICLES
 PER GIS INFORMATION
 PIN 1715-05-18-8611

RETAIN CB

RETAIN EXIST CURB

RETAIN EXIST CURB

RETAIN EXIST CURB

RETAIN EXIST CURB

100' LANE TAPER

CONVERT DI TO JB W/MH

CONVERT DI TO JB W/MH

CONVERT DI TO JB W/MH

SR 2298 EDENTON ST 36' BST

SR 2911 NEW BERN AVE VAR. BST

SR 2911 NEW BERN AVE VAR. BST

SR 2911 NEW BERN AVE VAR. BST

RUSSELL F LUCAS & GWENDOLYN M LUCAS
 DB 1167 PG 2216

EBL1A- PT Sta. 10 + 74.84

BEGIN CONSTRUCTION
 -Y12- POT Sta. 12 + 25.00

BRODIE, MOSES PER GIS
 DB 1447 PG 00-E
 DB 2911 PG 372

MICHELE T NELSON
 MELVIN W WILLIAMS
 DB 15139 PG 418

EBL1A- POT Sta. 10 + 00.00 =
 -EBL1- POT Sta. 57 + 71.35, 11.00' LT

EBL1A- PT Sta. 10 + 74.84

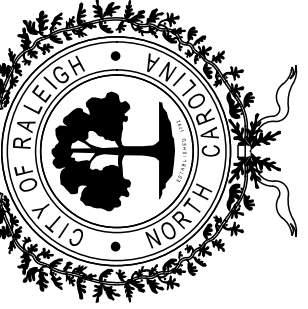
BEGIN CONSTRUCTION
 -Y12- POT Sta. 12 + 25.00

SR 2298 EDENTON ST 36' BST

SR 2911 NEW BERN AVE VAR. BST

EBL1A- POT Sta. 12 + 07.77 =
 -Y12A- POT Sta. 12 + 70.59

KARGO CORPORATION
 DB 2046 PG 582
 BM 1997 PG 1458



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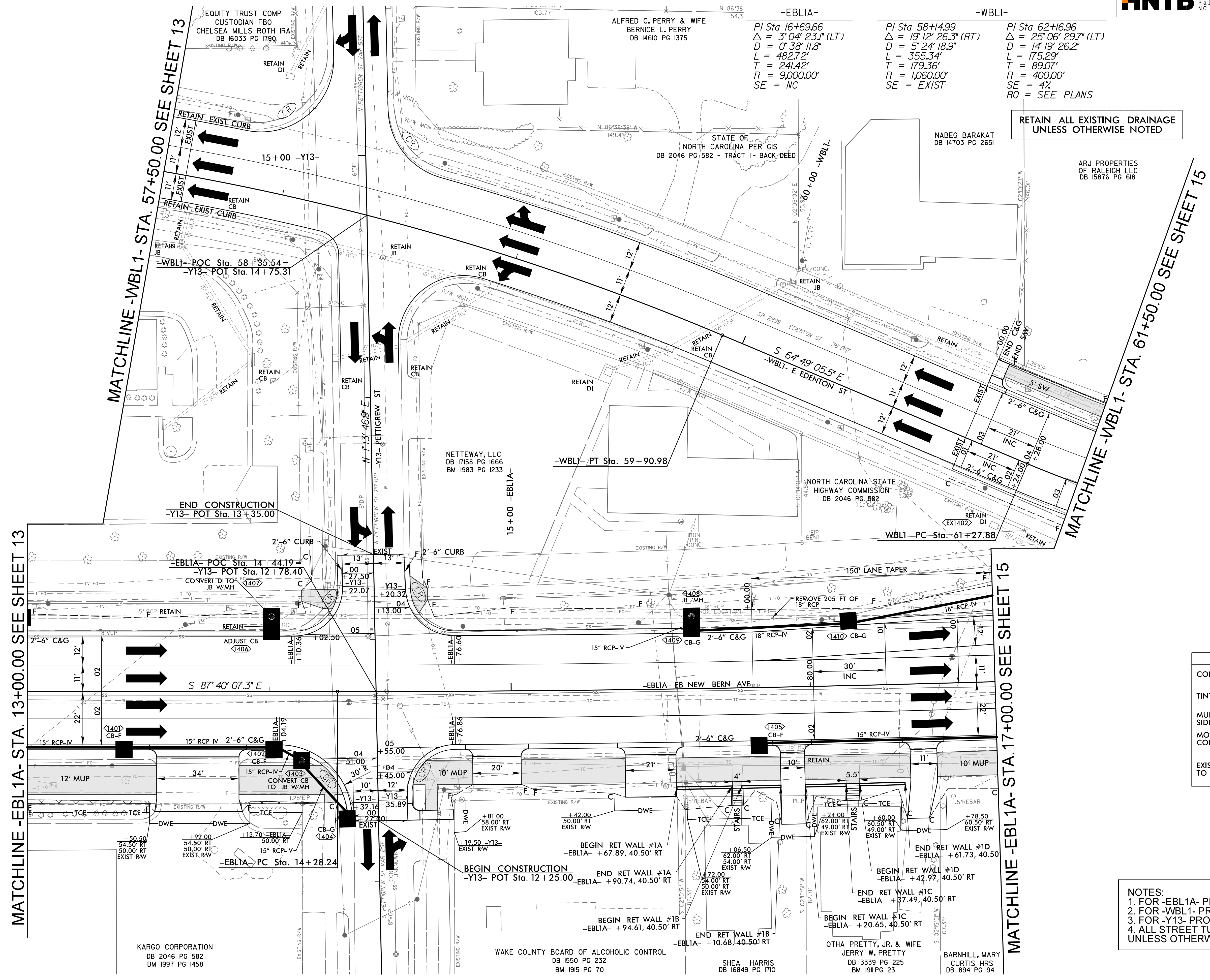
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NEW BERN AVE

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SCALES HSCALE 1"=20'	
SHEET:	14

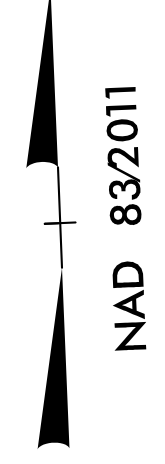


-EBLIA-
 PI Sta 16+69.66
 $\Delta = 3^{\circ}04'23.1''$ (LT)
 $D = 0'38''11.8''$
 $L = 482.72'$
 $T = 241.42'$
 $R = 9,000.00'$
 SE = NC

-WBL1-
 PI Sta 58+14.99
 $\Delta = 19^{\circ}12'26.3''$ (RT)
 $D = 5'24''18.9''$
 $L = 355.34'$
 $T = 179.36'$
 $R = 1,060.00'$
 SE = EXIST

PI Sta 62+16.96
 $\Delta = 25^{\circ}06'29.7''$ (LT)
 $D = 14'19''26.2''$
 $L = 175.29'$
 $T = 89.07'$
 $R = 400.00'$
 SE = 4%
 RO = SEE PLANS

RETAIN ALL EXISTING DRAINAGE
UNLESS OTHERWISE NOTED



MATCHLINE -EBLIA- STA. 13+00.00 SEE SHEET 13

MATCHLINE -EBLIA- STA. 17+00.00 SEE SHEET 15

NOTES:
 1. FOR -EBLIA- PROFILE, SEE SHEET 69.
 2. FOR -WBL1- PROFILE, SEE SHEET 86.
 3. FOR -Y13- PROFILE, SEE SHEET 109.
 4. ALL STREET TURNOUT RADII ARE 20'
 UNLESS OTHERWISE NOTED.

KARGO CORPORATION
DB 2046 PG 582
BM 1997 PG 1458

WAKE COUNTY BOARD OF ALCOHOLIC CONTROL
DB 1550 PG 232
BM 1915 PG 70

SHEA HARRIS
DB 16849 PG 1710

OTHA PRETTY, JR. & WIFE
JERRY W. PRETTY
DB 3339 PG 225
BM 1911 PG 23

BARNHILL, MARY
CURTIS HRS
DB 894 PG 94

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ENGINEER

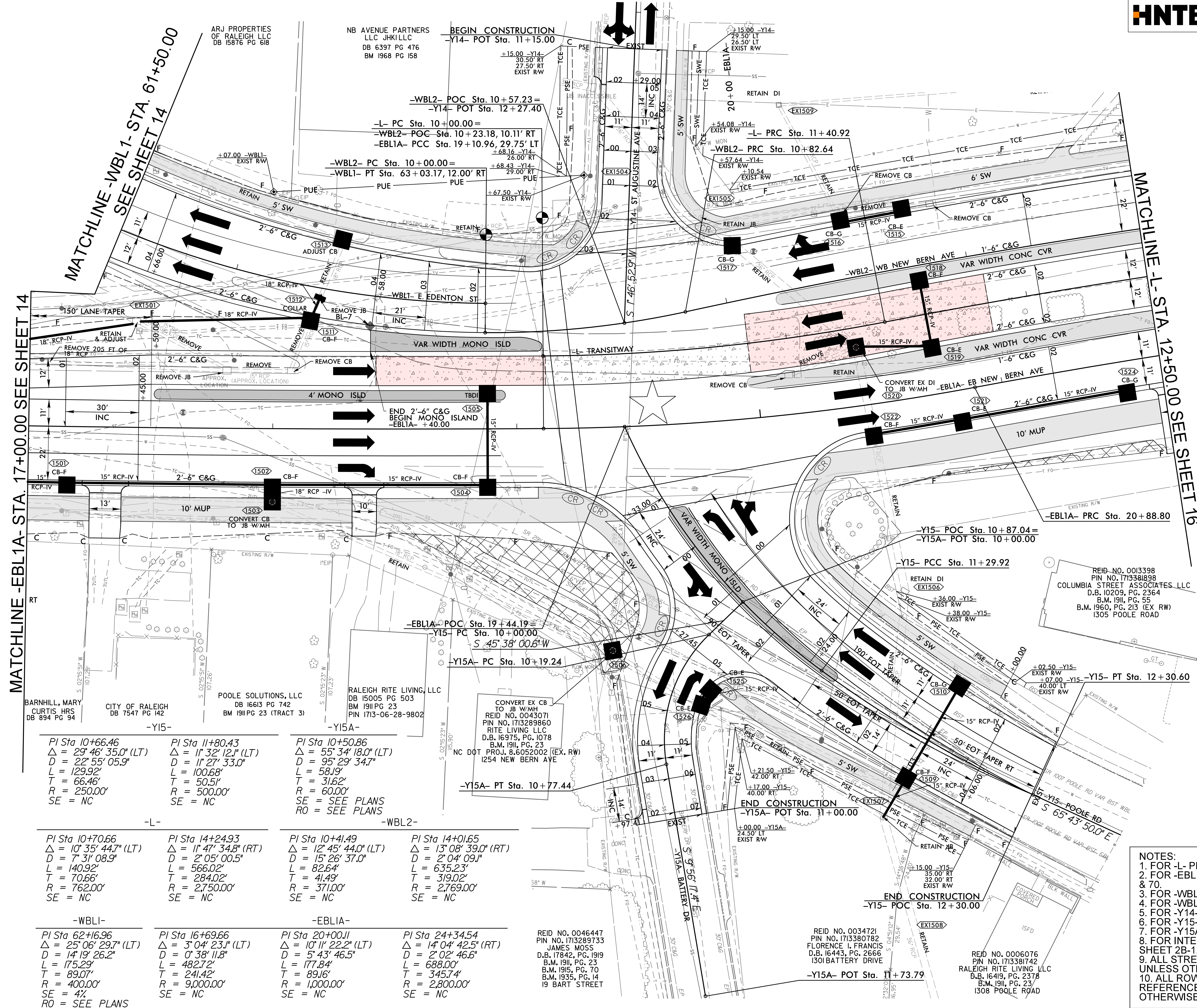
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SCALES HSCALE 1"=20'	
SHEET:	15



LEGEND

- CONC PAVEMENT
- TINTED CONC PAVEMENT
- MULTI-USE PATH (MUP)/SIDEWALK (SW)
- MONO ISLAND (ISLD)/CONC COVER (CVR)
- EXISTING SIGNAL TO REMAIN

- NOTES:**
- FOR -L- PROFILE, SEE SHEETS 52 & 53.
 - FOR -EBL1A- PROFILE, SEE SHEETS 69 & 70.
 - FOR -WBL1- PROFILE, SEE SHEET 86.
 - FOR -WBL2- PROFILE, SEE SHEET 87.
 - FOR -Y14- PROFILE, SEE SHEET 110.
 - FOR -Y15- PROFILE, SEE SHEET 110.
 - FOR -Y15A- PROFILE, SEE SHEET 111.
 - FOR INTERSECTION DETAILS, SEE SHEET 2B-1.
 - ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 - ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -WBL2- UNLESS OTHERWISE NOTED.

<p>-Y15-</p> <p>PI Sta 10+66.46 $\Delta = 29^\circ 46' 35.0''$ (LT) $D = 22^\circ 55' 05.9''$ $L = 129.92'$ $T = 66.46'$ $R = 250.00'$ $SE = NC$</p>	<p>-Y15A-</p> <p>PI Sta 11+80.43 $\Delta = 11^\circ 32' 12.1''$ (LT) $D = 11^\circ 27' 33.0''$ $L = 100.68'$ $T = 50.51'$ $R = 500.00'$ $SE = NC$</p>	<p>-Y15A-</p> <p>PI Sta 10+50.86 $\Delta = 55^\circ 34' 18.0''$ (LT) $D = 95^\circ 29' 34.7''$ $L = 58.19'$ $T = 31.62'$ $R = 60.00'$ $SE = SEE PLANS$ $RO = SEE PLANS$</p>
<p>-L-</p> <p>PI Sta 10+70.66 $\Delta = 10^\circ 35' 44.7''$ (LT) $D = 7^\circ 31' 08.9''$ $L = 140.92'$ $T = 70.66'$ $R = 762.00'$ $SE = NC$</p>	<p>-L-</p> <p>PI Sta 14+24.93 $\Delta = 11^\circ 47' 34.8''$ (RT) $D = 2^\circ 05' 00.5''$ $L = 566.02'$ $T = 284.02'$ $R = 2,750.00'$ $SE = NC$</p>	<p>-WBL2-</p> <p>PI Sta 10+41.49 $\Delta = 12^\circ 45' 44.0''$ (LT) $D = 15^\circ 26' 37.0''$ $L = 82.64'$ $T = 41.49'$ $R = 371.00'$ $SE = NC$</p>
<p>-WBL1-</p> <p>PI Sta 62+16.96 $\Delta = 25^\circ 06' 29.7''$ (LT) $D = 14^\circ 19' 26.2''$ $L = 175.29'$ $T = 89.07'$ $R = 400.00'$ $SE = 4'$ $RO = SEE PLANS$</p>	<p>-EBL1A-</p> <p>PI Sta 16+69.66 $\Delta = 3^\circ 04' 23.1''$ (LT) $D = 0^\circ 38' 11.8''$ $L = 482.72'$ $T = 241.42'$ $R = 9,000.00'$ $SE = NC$</p>	<p>-EBL1A-</p> <p>PI Sta 20+00.11 $\Delta = 10^\circ 11' 22.2''$ (LT) $D = 5^\circ 43' 46.5''$ $L = 177.84'$ $T = 89.16'$ $R = 1,000.00'$ $SE = NC$</p>

CONVERT EX CB TO JB W/MH
 REID NO. 0043071
 PIN NO. 1713289860
 RITE LIVING LLC
 D.B. 16975, PG. 1078
 B.M. 1911, PG. 23
 NC DOT PROJ. 8.6052002 (EX. RW)
 1254 NEW BERN AVE

REID NO. 0034721
 PIN NO. 1713380782
 FLORENCE I. FRANCIS
 D.B. 16443, PG. 2666
 1301 BATTERY DRIVE

REID NO. 0006076
 PIN NO. 1713381742
 RALEIGH RITE LIVING LLC
 D.B. 16419, PG. 2378
 B.M. 1911, PG. 23
 1308 POOLE ROAD

REID NO. 0046447
 PIN NO. 1713289733
 JAMES MOSS
 D.B. 17842, PG. 1919
 B.M. 1911, PG. 23
 B.M. 1915, PG. 70
 B.M. 1935, PG. 14
 19 BART STREET

BARNHILL, MARY CURTIS HRS
 DB 894 PG 94

CITY OF RALEIGH
 DB 7547 PG 142

POOLE SOLUTIONS, LLC
 DB 16613 PG 742
 BM 1911 PG 23 (TRACT 3)

RALEIGH RITE LIVING, LLC
 DB 15005 PG 503
 BM 1911 PG 23
 PIN 1713-06-28-9802

MATCHLINE -WBL1- STA. 61+50.00
 SEE SHEET 14

MATCHLINE -EBL1A- STA. 17+00.00 SEE SHEET 14

MATCHLINE -L- STA. 12+50.00 SEE SHEET 16

NAD 83/2011



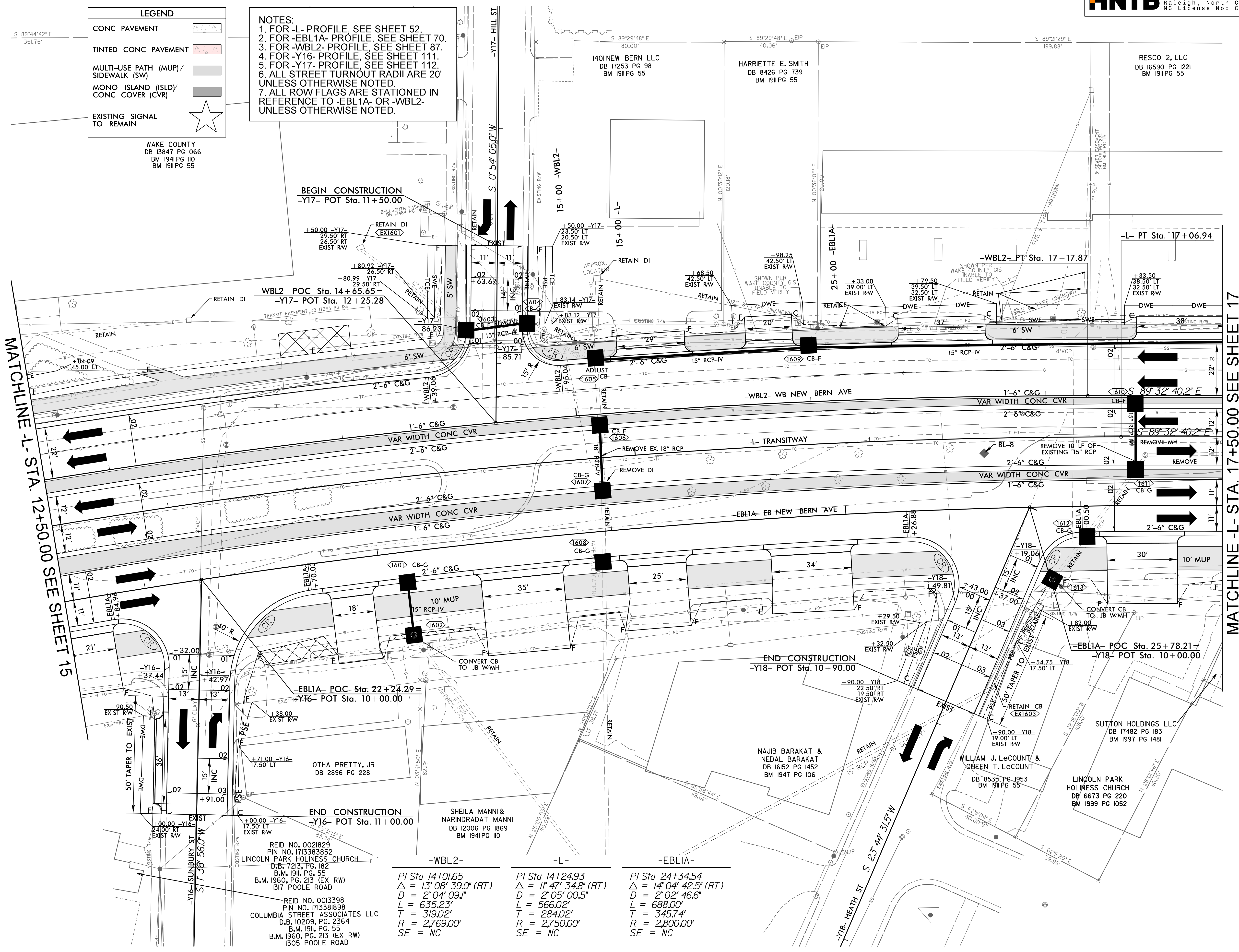
HYDRAULICS ENGINEER
 ROADWAY DESIGN ENGINEER
 DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT: WAKE BRT
 NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
 HSCALE 1"=20'



LEGEND

- CONC PAVEMENT
- TINTED CONC PAVEMENT
- MULTI-USE PATH (MUP)/SIDEWALK (SW)
- MONO ISLAND (ISLD)/CONC COVER (CVR)
- EXISTING SIGNAL TO REMAIN

NOTES:
 1. FOR -L- PROFILE, SEE SHEET 52.
 2. FOR -EBL1A- PROFILE, SEE SHEET 70.
 3. FOR -WBL2- PROFILE, SEE SHEET 87.
 4. FOR -Y16- PROFILE, SEE SHEET 111.
 5. FOR -Y17- PROFILE, SEE SHEET 112.
 6. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 7. ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL1A- OR -WBL2- UNLESS OTHERWISE NOTED.

WAKE COUNTY
 DB 13847 PG 066
 BM 1941 PG 110
 BM 1911 PG 55

BEGIN CONSTRUCTION
 -Y17- POT Sta. 11+50.00

END CONSTRUCTION
 -Y18- POT Sta. 10+90.00

EBL1A- POC Sta. 22+24.29
-Y16- POT Sta. 10+00.00

EBL1A- POC Sta. 25+78.21
-Y18- POT Sta. 10+00.00

END CONSTRUCTION
 -Y16- POT Sta. 11+00.00

REID NO. 0021829
 PIN NO. 1713383852
 LINCOLN PARK HOLINESS CHURCH
 D.B. 7213, PG. 182
 B.M. 1911, PG. 55
 B.M. 1960, PG. 213 (EX RW)
 1317 POOLE ROAD

REID NO. 0013398
 PIN NO. 1713381898
 COLUMBIA STREET ASSOCIATES LLC
 D.B. 10209, PG. 2364
 B.M. 1911, PG. 55
 B.M. 1960, PG. 213 (EX RW)
 1305 POOLE ROAD

-WBL2-
 PI Sta 14+01.65
 $\Delta = 13^{\circ}08'39.0"$ (RT)
 $D = 2^{\circ}04'09.1"$
 $L = 635.23'$
 $T = 319.02'$
 $R = 2,769.00'$
 SE = NC

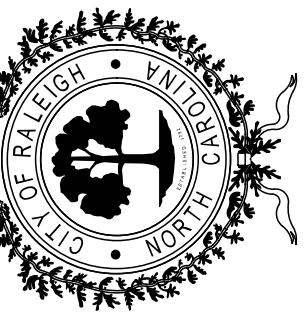
-L-
 PI Sta 14+24.93
 $\Delta = 11^{\circ}47'34.8"$ (RT)
 $D = 2^{\circ}05'00.5"$
 $L = 566.02'$
 $T = 284.02'$
 $R = 2,750.00'$
 SE = NC

-EBL1A-
 PI Sta 24+34.54
 $\Delta = 14^{\circ}04'42.5"$ (RT)
 $D = 2^{\circ}02'46.6"$
 $L = 688.00'$
 $T = 345.74'$
 $R = 2,800.00'$
 SE = NC

MATCHLINE -L- STA. 12+50.00 SEE SHEET 15

MATCHLINE -L- STA. 17+50.00 SEE SHEET 17

NAD 832011



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BR
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

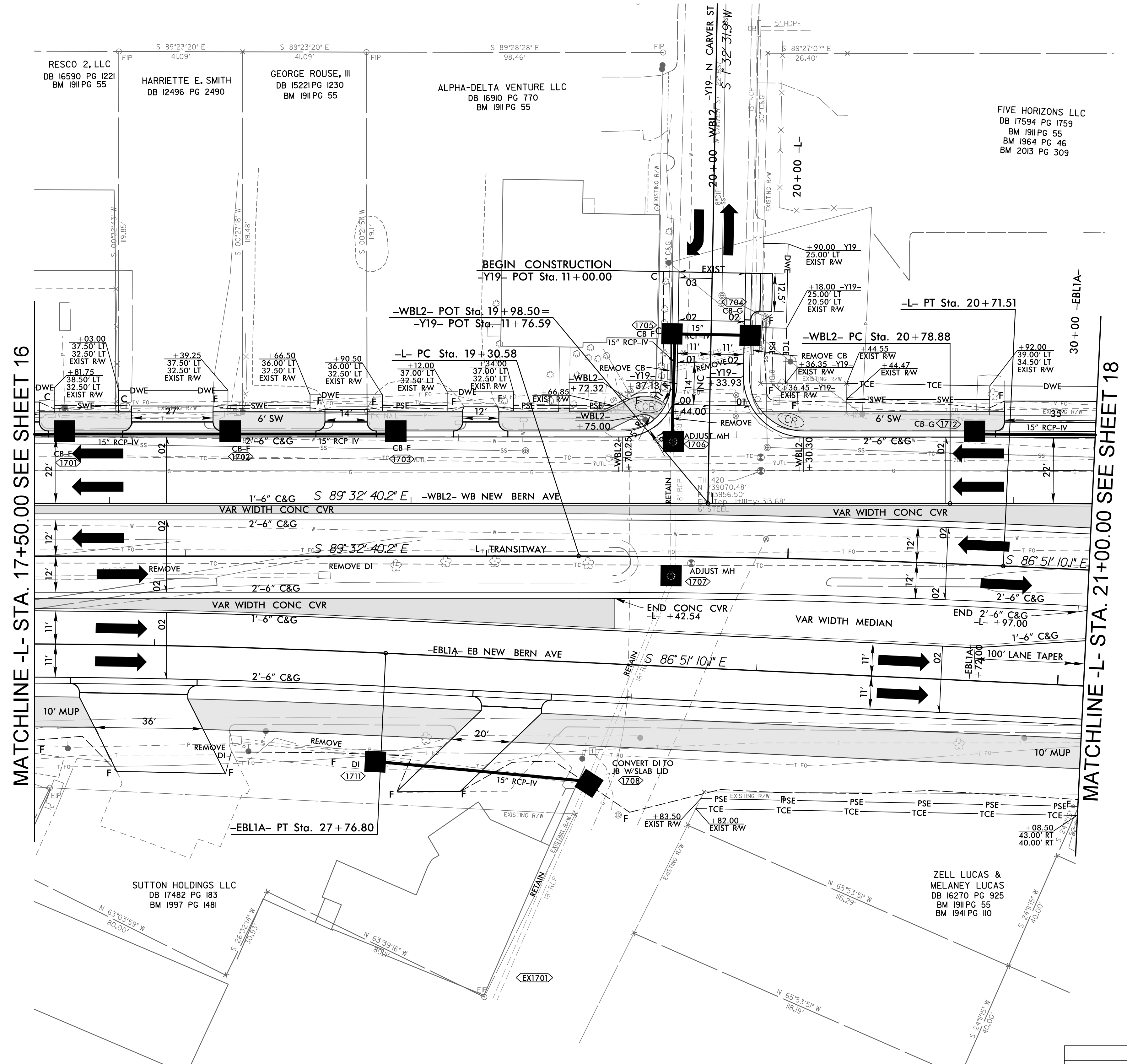
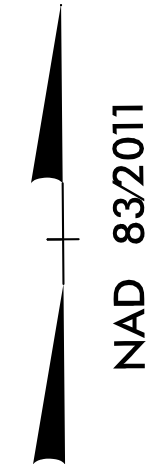
CHECKED BY: BPB

REVISIONS

NO. DATE

SCALES
HSCALE 1"=20'

SHEET: 17



MATCHLINE -L- STA. 17+50.00 SEE SHEET 16

MATCHLINE -L- STA. 21+00.00 SEE SHEET 18

-WBL2-	-L-	-EBLIA-
PI Sta 22+50.3	PI Sta 20+01.06	PI Sta 24+34.54
$\Delta = 2' 41'' 30.1'' (RT)$	$\Delta = 2' 41'' 30.1'' (RT)$	$\Delta = 14' 04'' 42.5'' (RT)$
$D = 0' 47'' 09.8''$	$D = 1' 54'' 35.5''$	$D = 2' 02'' 46.6''$
$L = 342.43'$	$L = 140.94'$	$L = 688.00'$
$T = 171.25'$	$T = 70.48'$	$T = 345.74'$
$R = 7,289.00'$	$R = 3,000.00'$	$R = 2,800.00'$
SE = NC	SE = NC	SE = NC

NOTES:
 1. FOR -L- PROFILE, SEE SHEET 52.
 2. FOR -EBLIA- PROFILE, SEE SHEET 70.
 3. FOR -WBL2- PROFILE, SEE SHEETS 87 & 88.
 4. FOR -Y19- PROFILE, SEE SHEET 113.
 5. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 6. ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL1A- OR -WBL2- UNLESS OTHERWISE NOTED.

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/SIDEWALK (SW)	
MONO ISLAND (ISLD)/CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

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HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

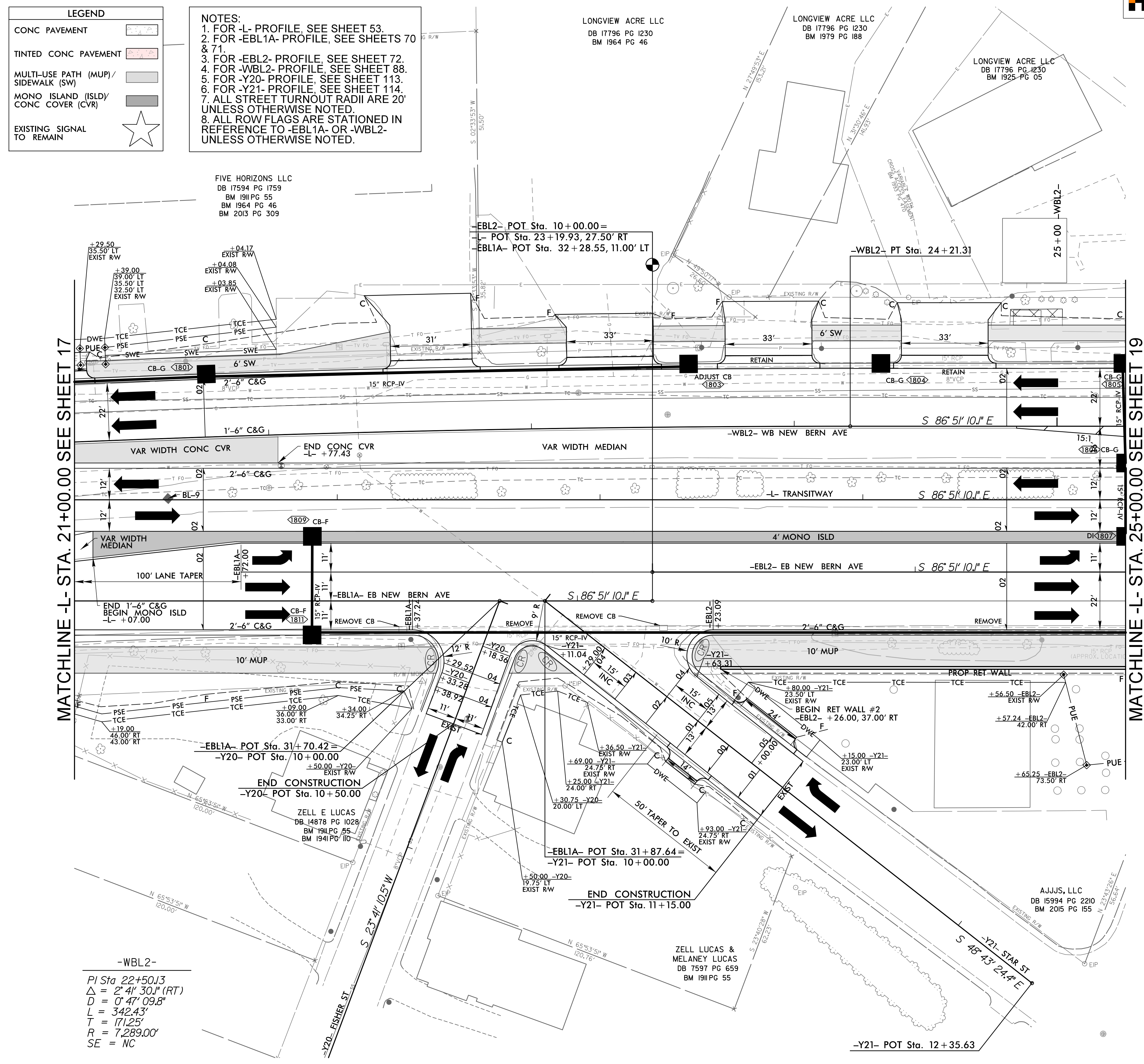
CHECKED BY: BPB

REVISIONS

NO.	DATE

SCALES
HSCALE 1"=20'

SHEET:

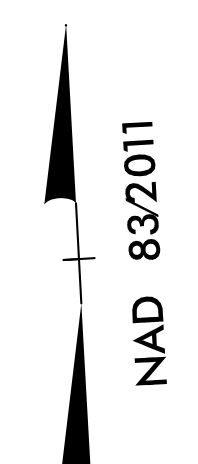


LEGEND

- CONC PAVEMENT
- TINTED CONC PAVEMENT
- MULTI-USE PATH (MUP)/SIDEWALK (SW)
- MONO ISLAND (ISLD)/CONC COVER (CVR)
- EXISTING SIGNAL TO REMAIN

NOTES:

- FOR -L- PROFILE, SEE SHEET 53.
- FOR -EBL1A- PROFILE, SEE SHEETS 70 & 71.
- FOR -EBL2- PROFILE, SEE SHEET 72.
- FOR -WBL2- PROFILE, SEE SHEET 88.
- FOR -Y20- PROFILE, SEE SHEET 113.
- FOR -Y21- PROFILE, SEE SHEET 114.
- ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
- ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL1A- OR -WBL2- UNLESS OTHERWISE NOTED.



MATCHLINE -L- STA. 21+00.00 SEE SHEET 17

MATCHLINE -L- STA. 25+00.00 SEE SHEET 19

-WBL2-
 PI Sta 22+50.13
 $\Delta = 2^\circ 41' 30.1''$ (RT)
 $D = 0^\circ 47' 09.8''$
 $L = 342.43'$
 $T = 171.25'$
 $R = 7,289.00'$
 $SE = NC$

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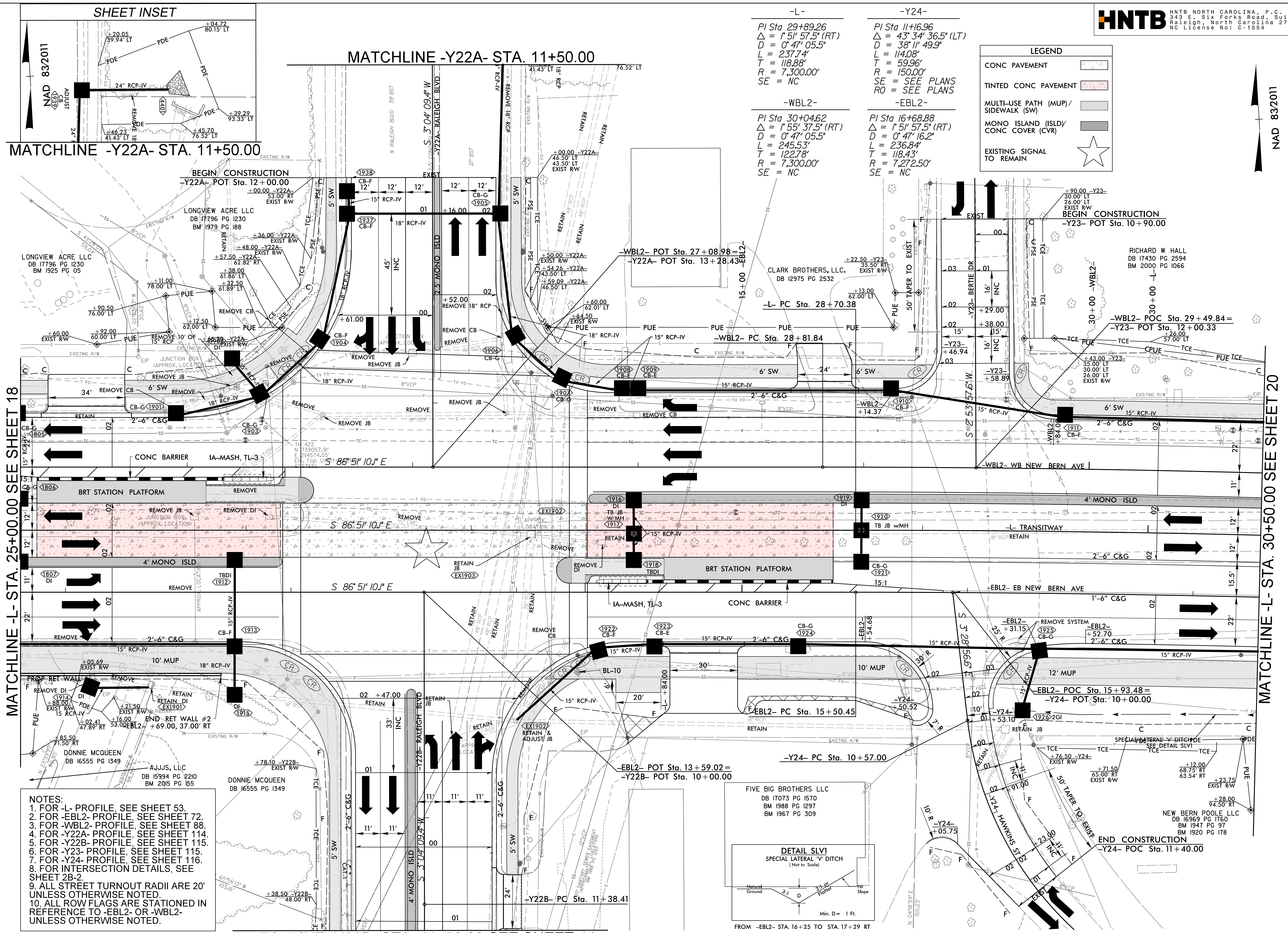
HYDRAULICS ENGINEER
 ROADWAY DESIGN ENGINEER
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT: WAKE BRT NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
 HSCALE 1"=20'



NOTES:

- FOR -L- PROFILE, SEE SHEET 53.
- FOR -EBL2- PROFILE, SEE SHEET 72.
- FOR -WBL2- PROFILE, SEE SHEET 88.
- FOR -Y22A- PROFILE, SEE SHEET 114.
- FOR -Y22B- PROFILE, SEE SHEET 115.
- FOR -Y23- PROFILE, SEE SHEET 115.
- FOR -Y24- PROFILE, SEE SHEET 116.
- FOR INTERSECTION DETAILS, SEE SHEET 2B-2.
- ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
- ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.



HYDRAULICS ENGINEER
 ROADWAY DESIGN ENGINEER
 DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT: WAKE BRT
 NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE
SCALES HSCALE 1"=20'	
SHEET:	20

RONALD D WILLIAMS
 DB 17545 PG 352
 BM 1946 PG 108
 BM 2000 PG 1066

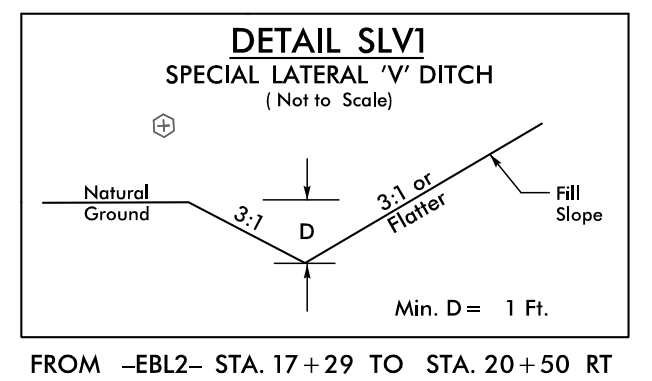
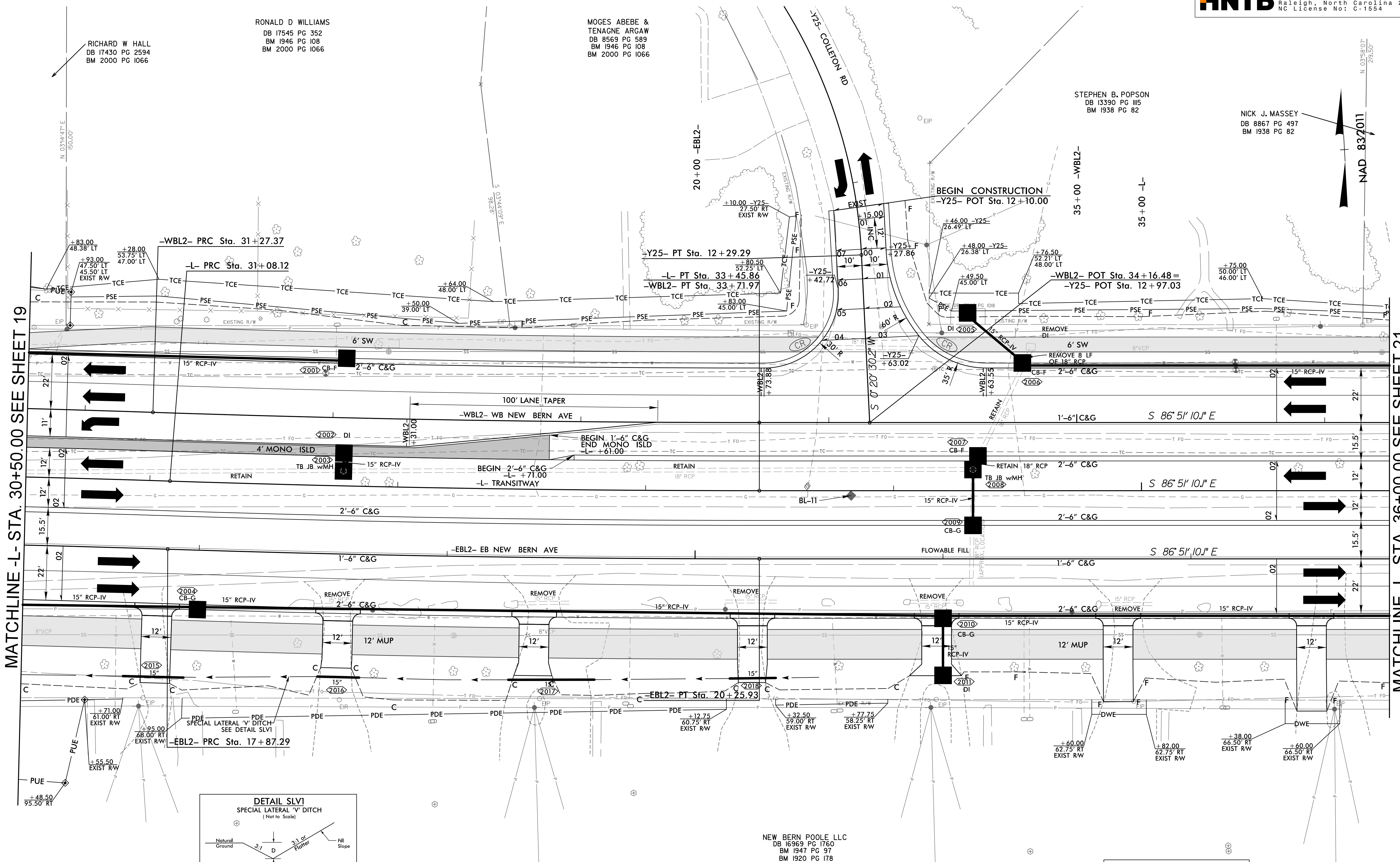
MOGES ABEBE &
 TENAGNE ARGAW
 DB 8569 PG 589
 BM 1946 PG 108
 BM 2000 PG 1066

STEPHEN B. POPSON
 DB 13390 PG 115
 BM 1938 PG 82

NICK J. MASSEY
 DB 8867 PG 497
 BM 1938 PG 82

MATCHLINE -L- STA. 30+50.00 SEE SHEET 19

MATCHLINE -L- STA. 36+00.00 SEE SHEET 21



FROM -EBL2- STA. 17+29 TO STA. 20+50 RT

-WBL2-	-L-	-EBL2-	-Y25-
PI Sta 30+04.62 Δ = 1' 55' 37.5" (RT) D = 0' 47' 05.5" L = 245.53' T = 122.78' R = 7,300.00' SE = NC	PI Sta 32+49.68 Δ = 1' 55' 37.5" (LT) D = 0' 47' 16.2" L = 244.60' T = 122.31' R = 7,272.50' SE = NC	PI Sta 29+89.26 Δ = 1' 51' 57.5" (RT) D = 0' 47' 05.5" L = 237.74' T = 118.88' R = 7,300.00' SE = NC	PI Sta 32+27.00 Δ = 1' 51' 57.5" (LT) D = 0' 47' 16.2" L = 237.74' T = 118.88' R = 7,300.00' SE = NC
PI Sta 16+68.88 Δ = 1' 51' 57.5" (RT) D = 0' 47' 16.2" L = 236.84' T = 118.43' R = 7,272.50' SE = NC	PI Sta 19+06.62 Δ = 1' 51' 57.5" (LT) D = 0' 46' 54.9" L = 238.64' T = 119.33' R = 7,327.50' SE = NC	PI Sta 11+62.21 Δ = 38' 04' 23.4" (RT) D = 27' 17' 01.3" L = 139.55' T = 72.46' R = 210.00' SE = SEE PLANS RO = SEE PLANS	

- NOTES:**
- FOR -L- PROFILE, SEE SHEETS 53 & 54.
 - FOR -EBL2- PROFILE, SEE SHEETS 72 & 73.
 - FOR -WBL2- PROFILE, SEE SHEETS 88 & 89.
 - FOR -Y25- PROFILE, SEE SHEET 116.
 - ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 - ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP) / SIDEWALK (SW)	
MONO ISLAND (ISLD) / CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

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BRAD S & CARA G POWELL
 DB 17725 PG 2244
 BM 1938 PG 82

LEGEND

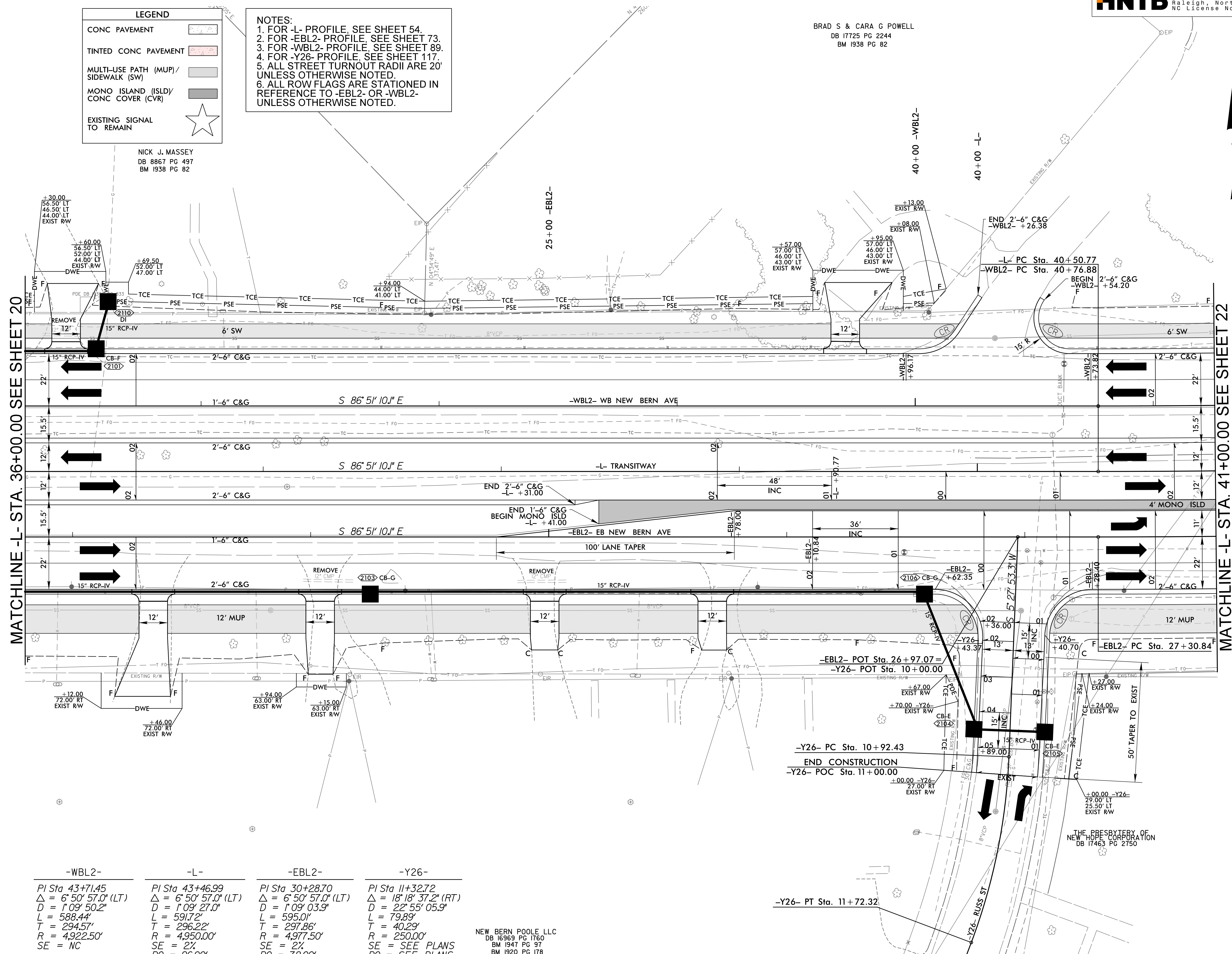
CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

- NOTES:**
1. FOR -L- PROFILE, SEE SHEET 54.
 2. FOR -EBL2- PROFILE, SEE SHEET 73.
 3. FOR -WBL2- PROFILE, SEE SHEET 89.
 4. FOR -Y26- PROFILE, SEE SHEET 117.
 5. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 6. ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

NICK J. MASSEY
 DB 8867 PG 497
 BM 1938 PG 82

MATCHLINE -L- STA. 36+00.00 SEE SHEET 20

MATCHLINE -L- STA. 41+00.00 SEE SHEET 22

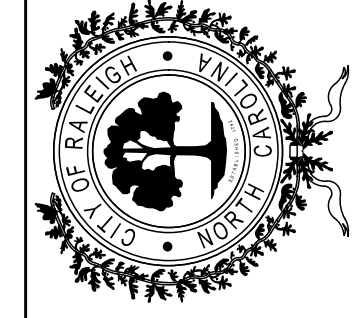


-WBL2-	-L-	-EBL2-	-Y26-
PI Sta 43+71.45	PI Sta 43+46.99	PI Sta 30+28.70	PI Sta 11+32.72
$\Delta = 6' 50' 57.0''$ (LT)	$\Delta = 6' 50' 57.0''$ (LT)	$\Delta = 6' 50' 57.0''$ (LT)	$\Delta = 18' 18' 37.2''$ (RT)
$D = 1'09' 50.2''$	$D = 1'09' 27.0''$	$D = 1'09' 03.9''$	$D = 22' 55' 05.9''$
$L = 588.44'$	$L = 591.72'$	$L = 595.0'$	$L = 79.89'$
$T = 294.57'$	$T = 296.22'$	$T = 297.86'$	$T = 40.29'$
$R = 4,922.50'$	$R = 4,950.00'$	$R = 4,977.50'$	$R = 250.00'$
SE = NC	SE = 2%	SE = 2%	SE = SEE PLANS
	RO = 96.00'	RO = 72.00'	RO = SEE PLANS

NEW BERN POOLE LLC
 DB 16969 PG 1760
 BM 1947 PG 97
 BM 1920 PG 178

NAD 83/2011

CITY OF RALEIGH
 ENGINEERING SERVICES
 DEPARTMENT



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
 WAKE BRT
 NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
 HSCALE 1"=20'

ELIZABETH LUCAS & TIMOTHY RUMBELL
 DB 17185 PG 658
 BM 1938 PG 09



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
HSCALE 1"=20'

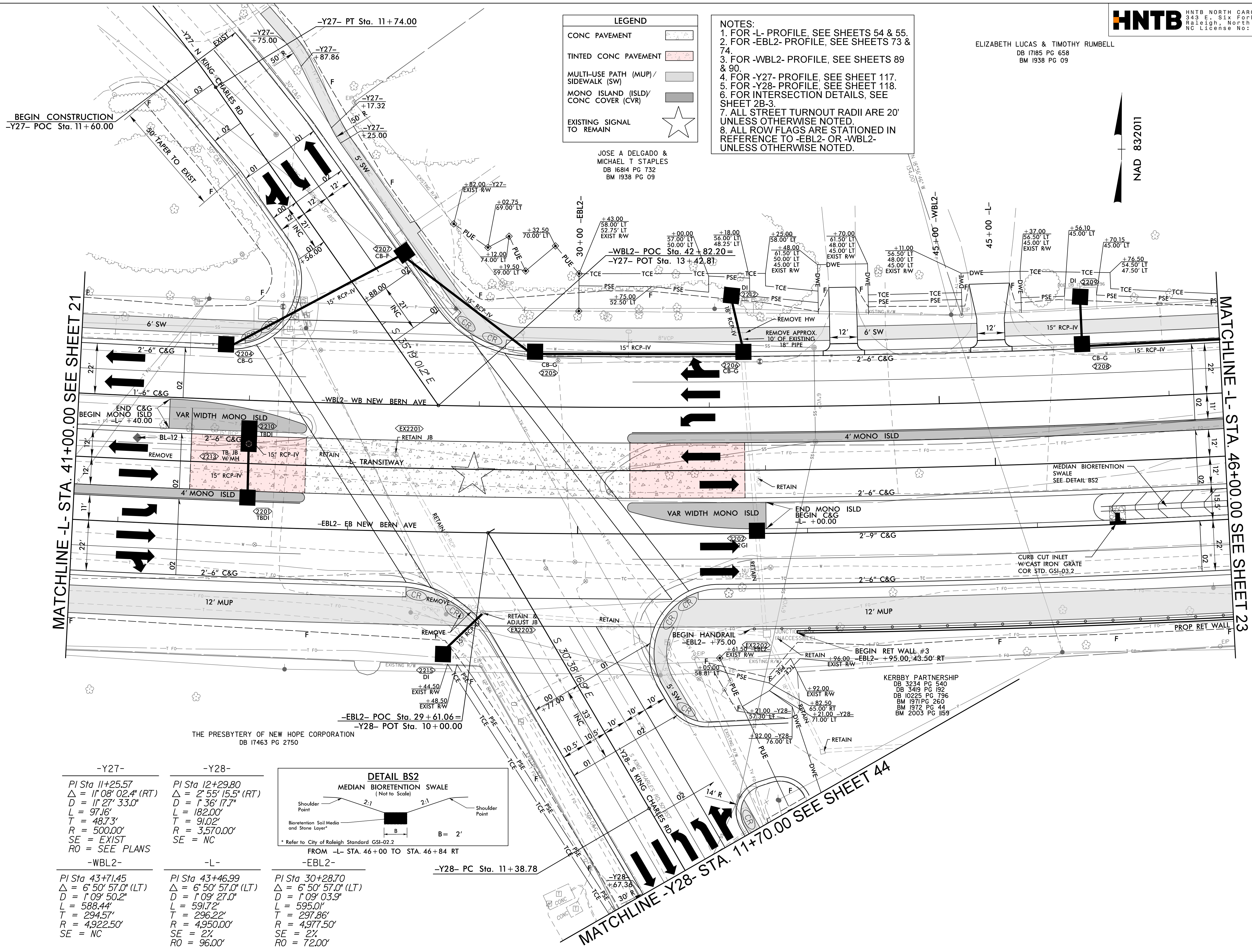
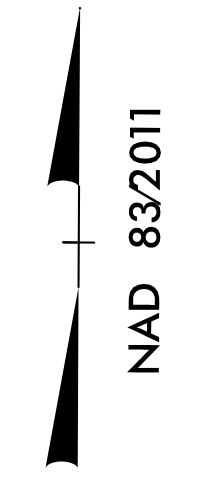
SHEET:
22

LEGEND

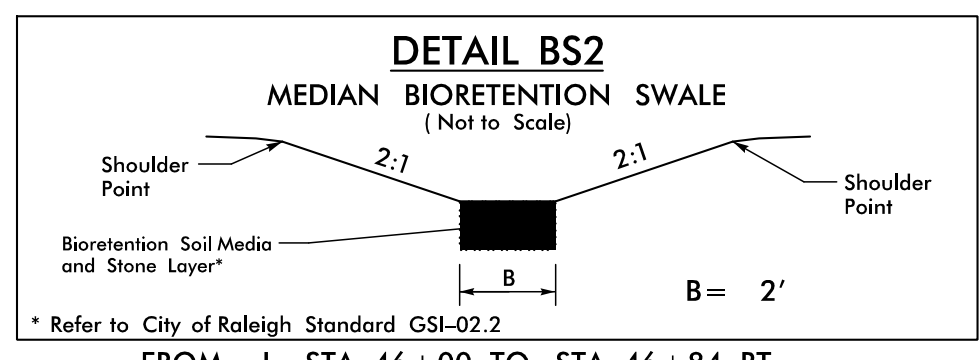
- CONC PAVEMENT
- TINTED CONC PAVEMENT
- MULTI-USE PATH (MUP)/
SIDEWALK (SW)
- MONO ISLAND (ISLD)/
CONC COVER (CVR)
- EXISTING SIGNAL
TO REMAIN

- NOTES:**
- FOR -L- PROFILE, SEE SHEETS 54 & 55.
 - FOR -EBL2- PROFILE, SEE SHEETS 73 & 74.
 - FOR -WBL2- PROFILE, SEE SHEETS 89 & 90.
 - FOR -Y27- PROFILE, SEE SHEET 117.
 - FOR -Y28- PROFILE, SEE SHEET 118.
 - FOR INTERSECTION DETAILS, SEE SHEET 2B-3.
 - ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 - ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

JOSE A DELGADO &
MICHAEL T STAPLES
DB 16814 PG 732
BM 1938 PG 09



-Y27-	-Y28-
PI Sta 11+25.57 Δ = 11° 08' 02.4" (RT) D = 11' 27" 33.0" L = 97.16' T = 48.73' R = 500.00' SE = EXIST RO = SEE PLANS	PI Sta 12+29.80 Δ = 2° 55' 15.5" (RT) D = 1' 36" 17.7" L = 182.00' T = 91.02' R = 3,570.00' SE = NC
-WBL2-	-L-
PI Sta 43+71.45 Δ = 6° 50' 57.0" (LT) D = 1° 09' 50.2" L = 588.44' T = 294.57' R = 4,922.50' SE = NC	PI Sta 43+46.99 Δ = 6° 50' 57.0" (LT) D = 1° 09' 27.0" L = 595.01' T = 296.22' R = 4,950.00' SE = 2% RO = 96.00'



-EBL2-
FROM -L- STA. 46+00 TO STA. 46+84 RT
PI Sta 30+28.70 Δ = 6° 50' 57.0" (LT) D = 1° 09' 03.9" L = 595.01' T = 297.86' R = 4,977.50' SE = 2% RO = 72.00'

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 2/10/2022 10:57 AM
 JDelgado



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE
SCALES HSCALE 1"=20'	
SHEET:	23

ELIZABETH LUCAS & TIMOTHY RUMBELL
DB 17185 PG 658
BM 1938 PG 09

STEVEN D & PHYLLIS BARBOUR
DB 7267 PG 155
BM 1938 PG 09

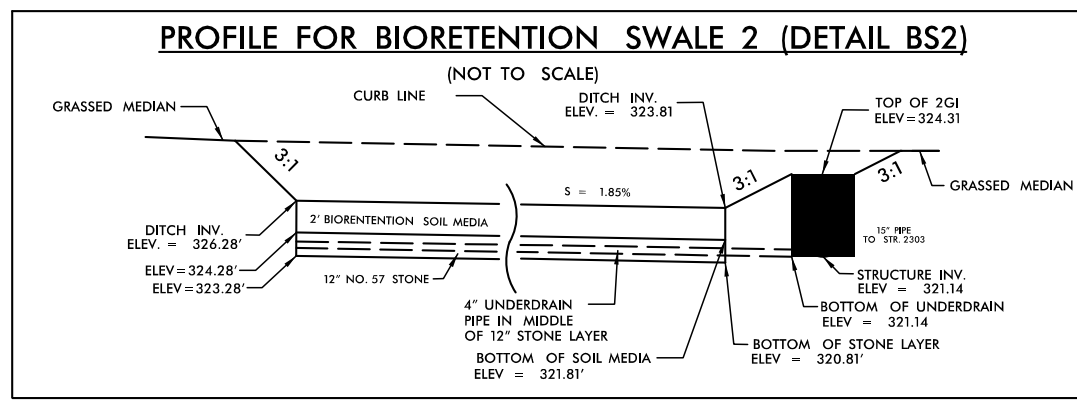
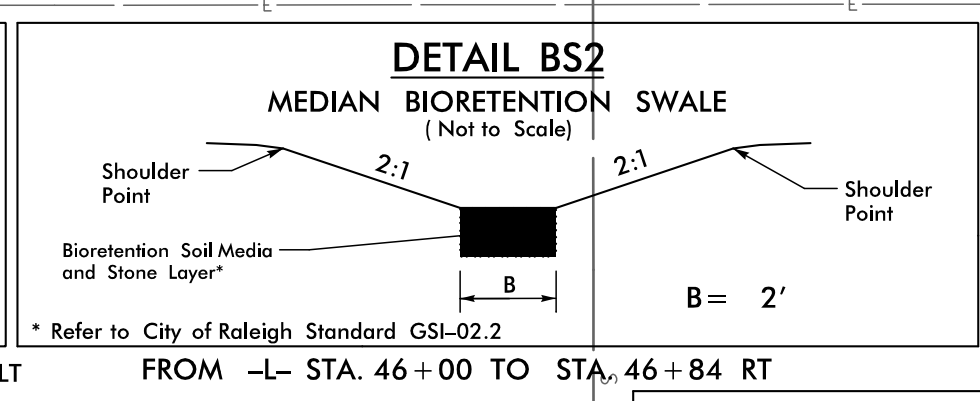
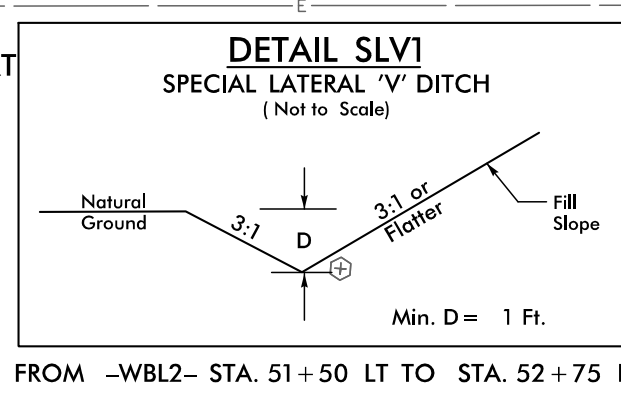
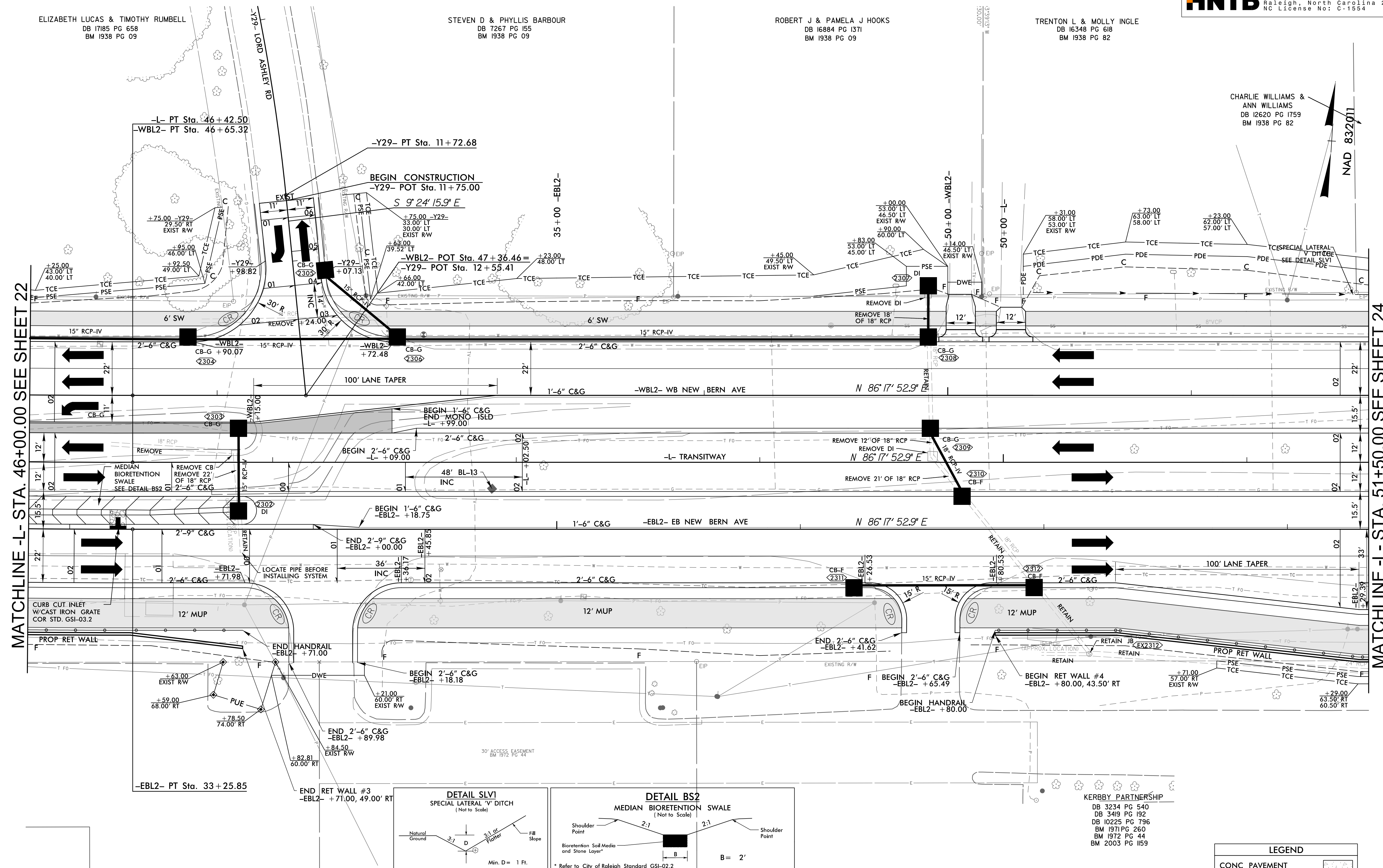
ROBERT J & PAMELA J HOOKS
DB 16884 PG 1371
BM 1938 PG 09

TRENTON L & MOLLY INGLE
DB 16348 PG 618
BM 1938 PG 82

CHARLIE WILLIAMS &
ANN WILLIAMS
DB 12620 PG 1759
BM 1938 PG 82

MATCHLINE -L- STA. 46+00.00 SEE SHEET 22

MATCHLINE -L- STA. 51+50.00 SEE SHEET 24



NOTES:
1. FOR -L- PROFILE, SEE SHEET 55.
2. FOR -EBL2- PROFILE, SEE SHEET 74.
3. FOR -WBL2- PROFILE, SEE SHEET 90.
4. FOR -Y29- PROFILE, SEE SHEET 118.
5. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
6. ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/SIDEWALK (SW)	
MONO ISLAND (ISLD)/CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

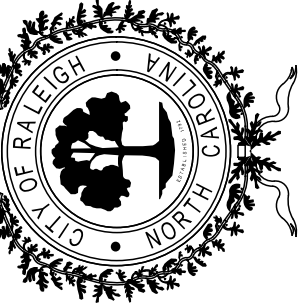
-WBL2-	-L-	-EBL2-	-Y29-
PI Sta 43+71.45	PI Sta 43+46.99	PI Sta 30+28.70	PI Sta 10+86.68
Δ = 6' 50" 57.0" (LT)	Δ = 6' 50" 57.0" (LT)	Δ = 6' 50" 57.0" (LT)	Δ = 12' 22" 02.0" (RT)
D = 1' 09" 50.2"	D = 1' 09" 27.0"	D = 7' 09" 03.9"	D = 7' 09" 43.1"
L = 588.44'	L = 591.72'	L = 595.01'	L = 172.68'
T = 294.57'	T = 296.22'	T = 297.86'	T = 86.68'
R = 4,922.50'	R = 4,950.00'	R = 4,977.50'	R = 800.00'
SE = NC	SE = 2%	SE = 2%	SE = EXIST
RO = 96.00'	RO = 96.00'	RO = 72.00'	

JOSEPH PROPERTY MANAGEMENT, LLC
DB 13909 PG 1366
BM 1972 PG 44

C:\Users\jrb\OneDrive\Documents\2022\WakeBRT\NewBernAve\23.dwg

CAROLYN J. DIGGERS &
 WILLIAM E. DIGGERS, JR.
 DB 14601 PG 1607
 BM 1938 PG 82

CAROLYN J. DIGGERS &
 WILLIAM E. DIGGERS, JR.
 DB 14601 PG 1607
 BM 1938 PG 82



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

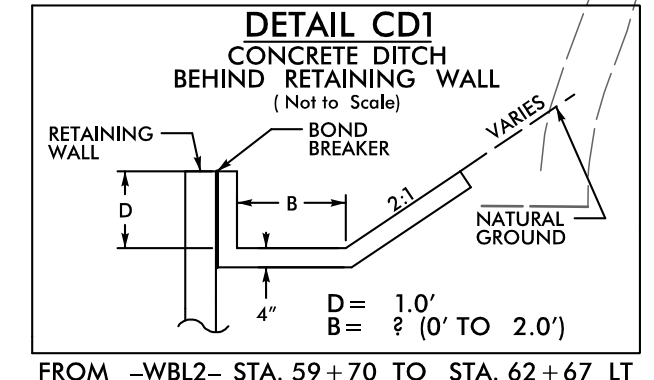
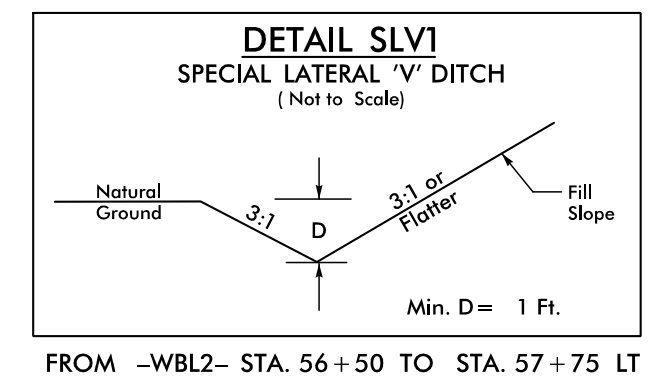
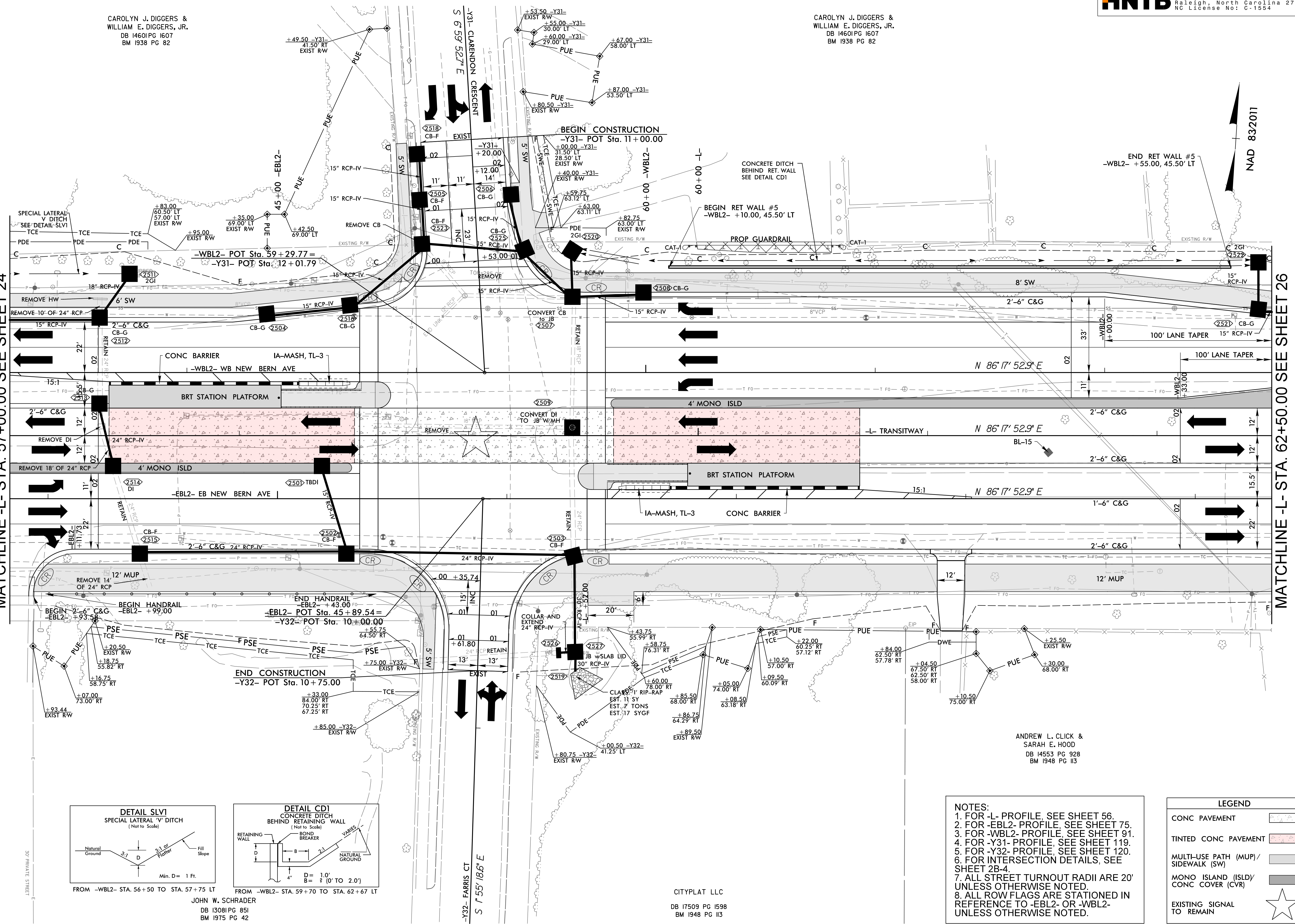
PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE
SCALES HSCALE 1"=20'	
SHEET:	25

MATCHLINE -L- STA. 57+00.00 SEE SHEET 24

MATCHLINE -L- STA. 62+50.00 SEE SHEET 26



- NOTES:**
- FOR -L- PROFILE, SEE SHEET 56.
 - FOR -EBL2- PROFILE, SEE SHEET 75.
 - FOR -WBL2- PROFILE, SEE SHEET 91.
 - FOR -Y31- PROFILE, SEE SHEET 119.
 - FOR -Y32- PROFILE, SEE SHEET 120.
 - FOR INTERSECTION DETAILS, SEE SHEET 2B-4.
 - ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 - ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

CITYPLAT LLC
 DB 17509 PG 1598
 BM 1948 PG 113

JOHN W. SCHRADER
 DB 13081 PG 851
 BM 1975 PG 42

ANDREW L. CLICK &
 SARAH E. HOOD
 DB 14553 PG 928
 BM 1948 PG 113

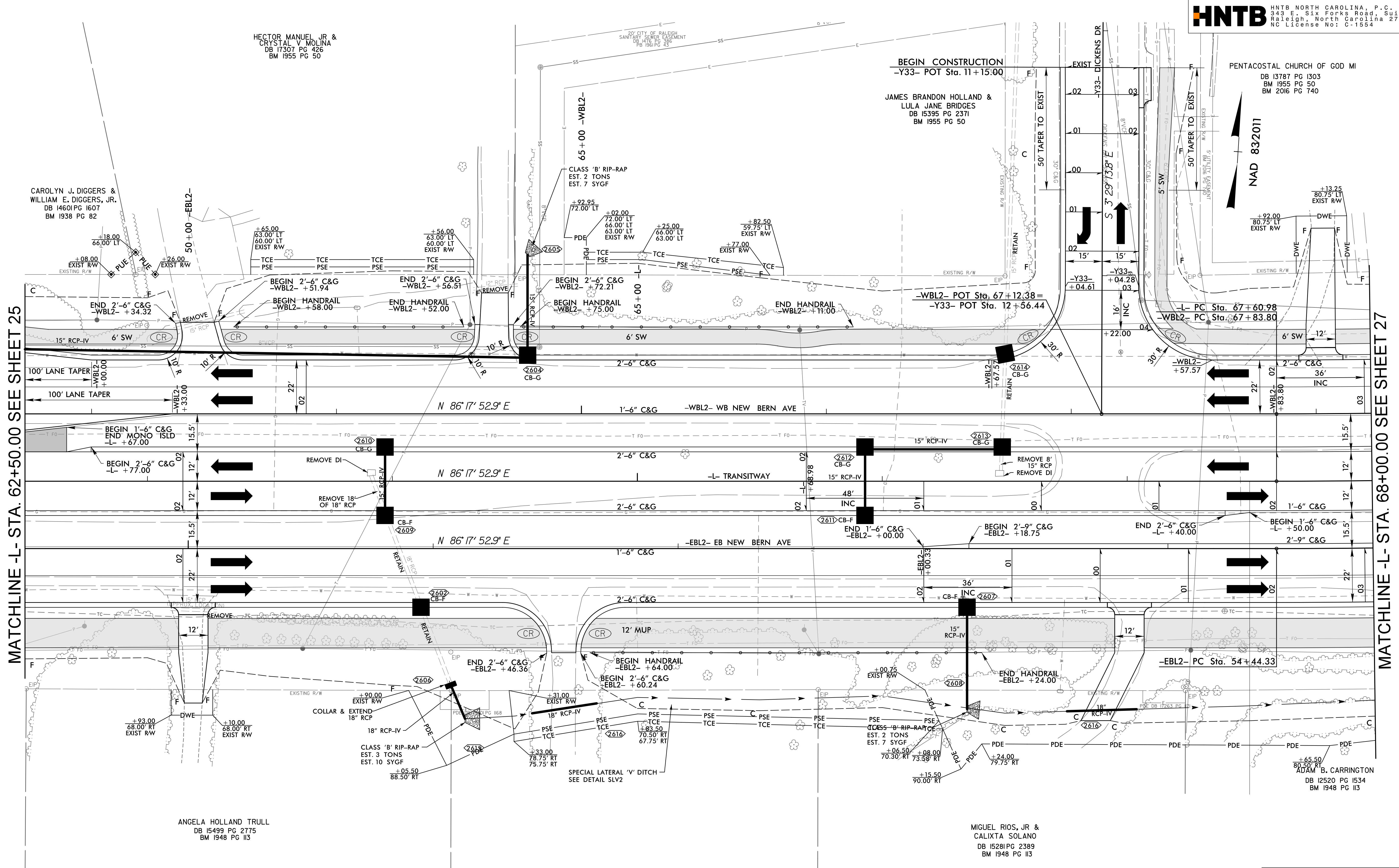


HYDRAULICS ENGINEER
 ROADWAY DESIGN ENGINEER
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT: WAKE BRIDGE
 NEW BERN AVE

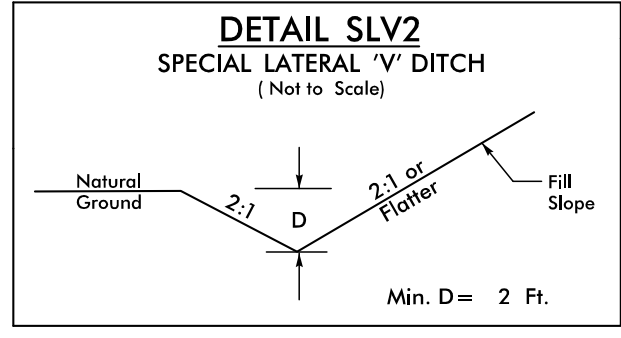
DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE
SCALES HSCALE 1"=20'	
SHEET:	26



MATCHLINE -L- STA. 62+50.00 SEE SHEET 25

MATCHLINE -L- STA. 68+00.00 SEE SHEET 27

-WBL2-	-L-	-EBL2-
PI Sta 79+99.87	PI Sta 79+88.49	PI Sta 66+83.29
$\Delta = 45^\circ 11' 06.0''$ (LT)	$\Delta = 45^\circ 11' 06.0''$ (LT)	$\Delta = 45^\circ 11' 06.0''$ (LT)
D = 1'57' 37.8"	D = 1'56' 32.0"	D = 1'55' 27.4"
L = 2,304.76'	L = 2,326.45'	L = 2,348.14'
T = 1,216.07'	T = 1,227.51'	T = 1,238.96'
R = 2,922.50'	R = 2,950.00'	R = 2,977.50'
SE = 3%	SE = 3%	SE = 3%
RO = SEE PLANS	RO = 144.00'	RO = 108.00'



FROM -EBL2- STA. 51+13 TO STA. 54+84 RT
 JAMES W. & KATHERINE H. BROWN
 DB 4239 PG 935
 BM 1948 PG I3

- NOTES:**
- FOR -L- PROFILE, SEE SHEETS 56 & 57.
 - FOR -EBL2- PROFILE, SEE SHEETS 75 & 76.
 - FOR -WBL2- PROFILE, SEE SHEETS 91 & 92.
 - FOR -Y33- PROFILE, SEE SHEET 120.
 - ALL STREET TURNOUT RADI ARE 20' UNLESS OTHERWISE NOTED.
 - ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

LEGEND

- CONC PAVEMENT
- TINTED CONC PAVEMENT
- MULTI-USE PATH (MUP)/SIDEWALK (SW)
- MONO ISLAND (ISLD)/CONC COVER (CVR)
- EXISTING SIGNAL TO REMAIN

DATE PLOTTED: 2/22/2022 10:00 AM



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
HSCALE 1"=20'

LEGEND

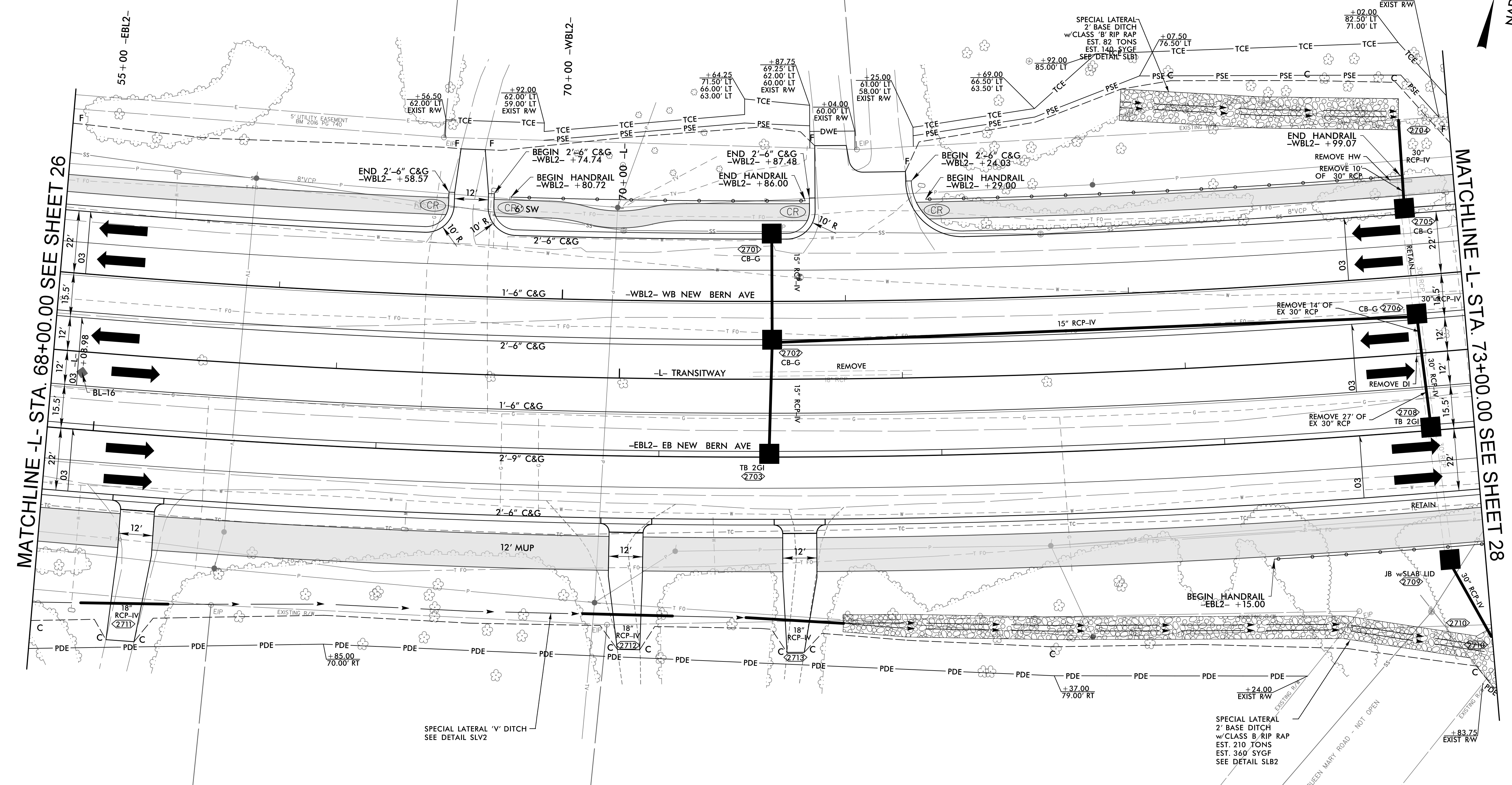
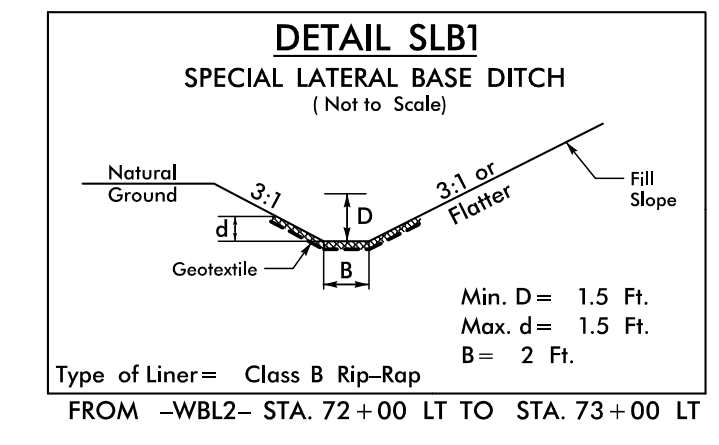
CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

NOTES:
 1. FOR -L- PROFILE, SEE SHEET 57.
 2. FOR -EBL2- PROFILE, SEE SHEET 76.
 3. FOR -WBL2- PROFILE, SEE SHEET 92.
 4. ALL STREET TURNOUT RADII ARE 20'
 UNLESS OTHERWISE NOTED.
 5. ALL ROW FLAGS ARE STATIONED IN
 REFERENCE TO -EBL2- OR -WBL2-
 UNLESS OTHERWISE NOTED.

PENTACOSTAL CHURCH OF GOD MI
 DB 13787 PG 1303
 BM 1955 PG 50
 BM 2016 PG 740

SARAH M & GRIFFIN KELTON
 DB 16780 PG 397
 BM 1955 PG 50

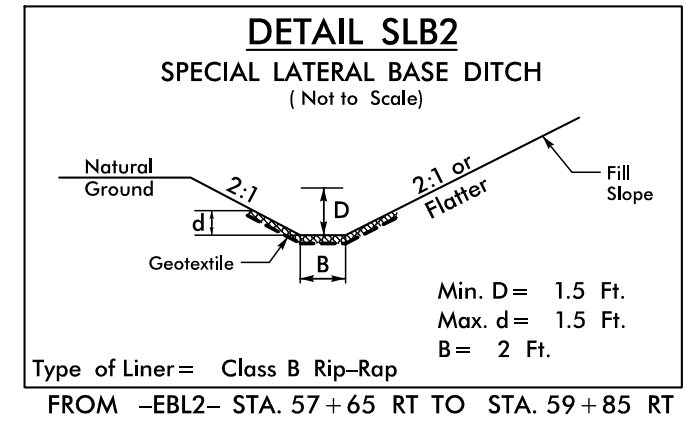
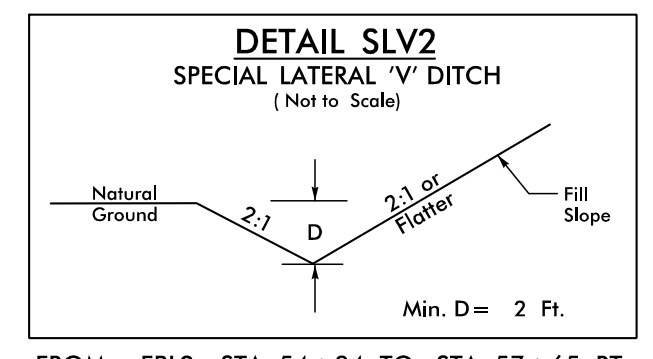
ZELL E. LUCAS & WIFE
 MALANEY LUCAS
 DB 4124 PG 187
 BM 1938 PG 82



ADAM B. CARRINGTON
 DB 12520 PG 1534
 BM 1948 PG 113

-WBL2-	-L-	-EBL2-
PI Sta 79+99.87	PI Sta 79+88.49	PI Sta 66+83.29
$\Delta = 45^\circ 11' 06.0''$ (LT)	$\Delta = 45^\circ 11' 06.0''$ (LT)	$\Delta = 45^\circ 11' 06.0''$ (LT)
D = 1' 57' 37.8"	D = 1' 56' 32.0"	D = 1' 55' 27.4"
L = 2,304.76'	L = 2,326.45'	L = 2,348.14'
T = 1,216.07'	T = 1,227.51'	T = 1,238.96'
R = 2,922.50'	R = 2,950.00'	R = 2,977.50'
SE = 3%	SE = 3%	SE = 3%
RO = SEE PLANS	RO = 144.00'	RO = 108.00'

MARY E. NADER
 & HUSBAND
 LOUIS J. GERICS
 DB 12479 PG 1927
 BM 1944 PG 11
 BM 1948 PG 113



SPECIAL LATERAL 2' BASE DITCH
 w/ CLASS B RIP RAP
 EST. 210 TONS
 EST. 360 SYGF
 SEE DETAIL SLB2

RALEIGH COUNTRY CLUB ACQUISITION, LLC
 DB 06667 PG 2230
 BM 1938 PG 82
 BM 1942 PG 60
 BM 1951 PG 70

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HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BRIDGE
NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
HSCALE 1"=20'

SHEET:
28

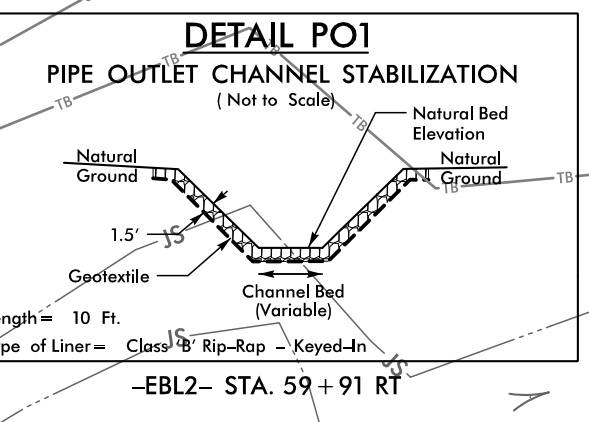
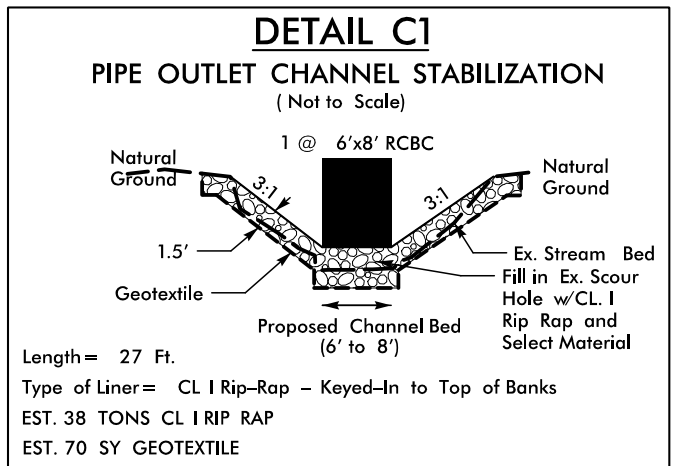
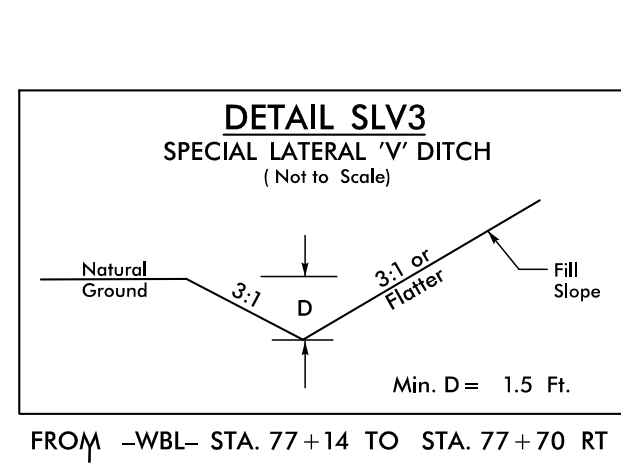
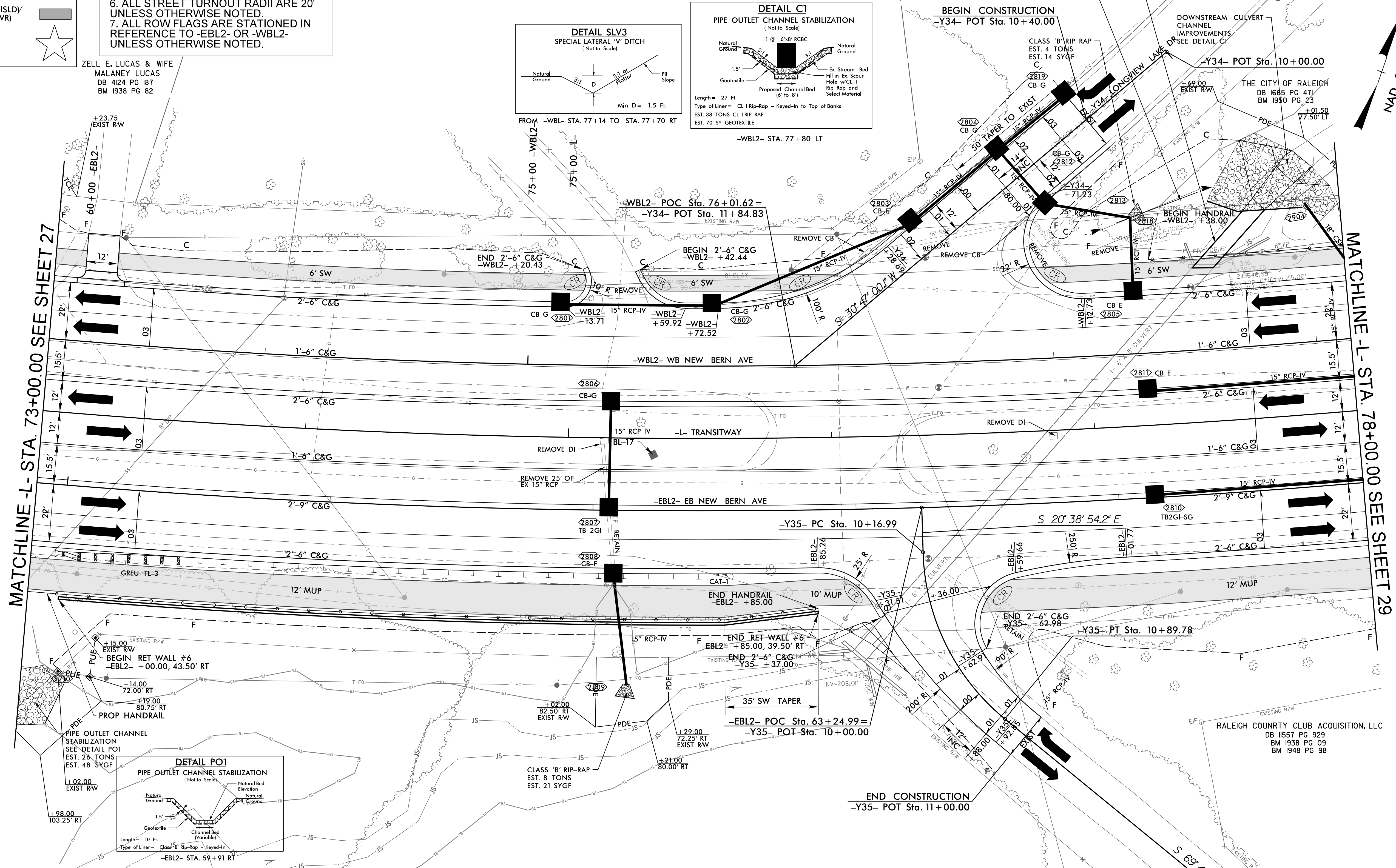
LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

- NOTES:**
- FOR -L- PROFILE, SEE SHEETS 57 & 58.
 - FOR -EBL2- PROFILE, SEE SHEET 76.
 - FOR -WBL2- PROFILE, SEE SHEETS 92 & 93.
 - FOR -Y34- PROFILE, SEE SHEET 121.
 - FOR -Y35- PROFILE, SEE SHEET 121.
 - ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 - ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

ZELL E. LUCAS & WIFE
 MALANEY LUCAS
 DB 4124 PG 187
 BM 1938 PG 82

ANTHONY WARD JONES &
 LINDA GUNN JONES
 DB 10339 PG 299
 BM 1938 PG 09



-WBL2-	-L-	-EBL2-	-Y35-
PI Sta 79+99.87	PI Sta 79+88.49	PI Sta 66+83.29	PI Sta 10+55.78
$\Delta = 45^\circ 11' 06.0''$ (LT)	$\Delta = 45^\circ 11' 06.0''$ (LT)	$\Delta = 45^\circ 11' 06.0''$ (LT)	$\Delta = 49^\circ 03' 46.9''$ (LT)
D = 1' 57' 37.8"	D = 1' 56' 32.0"	D = 1' 55' 27.4"	D = 67' 24' 24.5"
L = 2,304.76'	L = 2,326.45'	L = 2,348.14'	L = 72.79'
T = 1,216.07'	T = 1,227.51'	T = 1,238.96'	T = 38.79'
R = 2,922.50'	R = 2,950.00'	R = 2,977.50'	R = 85.00'
SE = 3%	SE = 3%	SE = 3%	SE = SEE PLANS
RO = SEE PLANS	RO = 144.00'	RO = 108.00'	RO = SEE PLANS

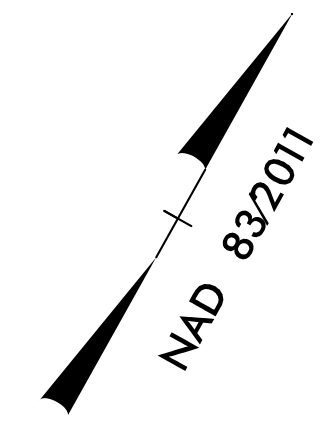
RALEIGH COUNTRY CLUB ACQUISITION, LLC
 DB 06667 PG 2230
 BM 1938 PG 82
 BM 1942 PG 60
 BM 1951 PG 70

2/10/2022 10:30 AM
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 jones

CHARLES E. & EVETTE A. WIESE
 DB 10963 PG 108
 BM 1950 PG 23

LOUIS A. WILSON &
 RODNEY W. MARION
 DB 9748 PG 1338
 BM 1950 PG 23

DAVID A SKOOG
 DB 16562 PG 218
 BM 1950 PG 23



HYDRAULICS
 ENGINEER

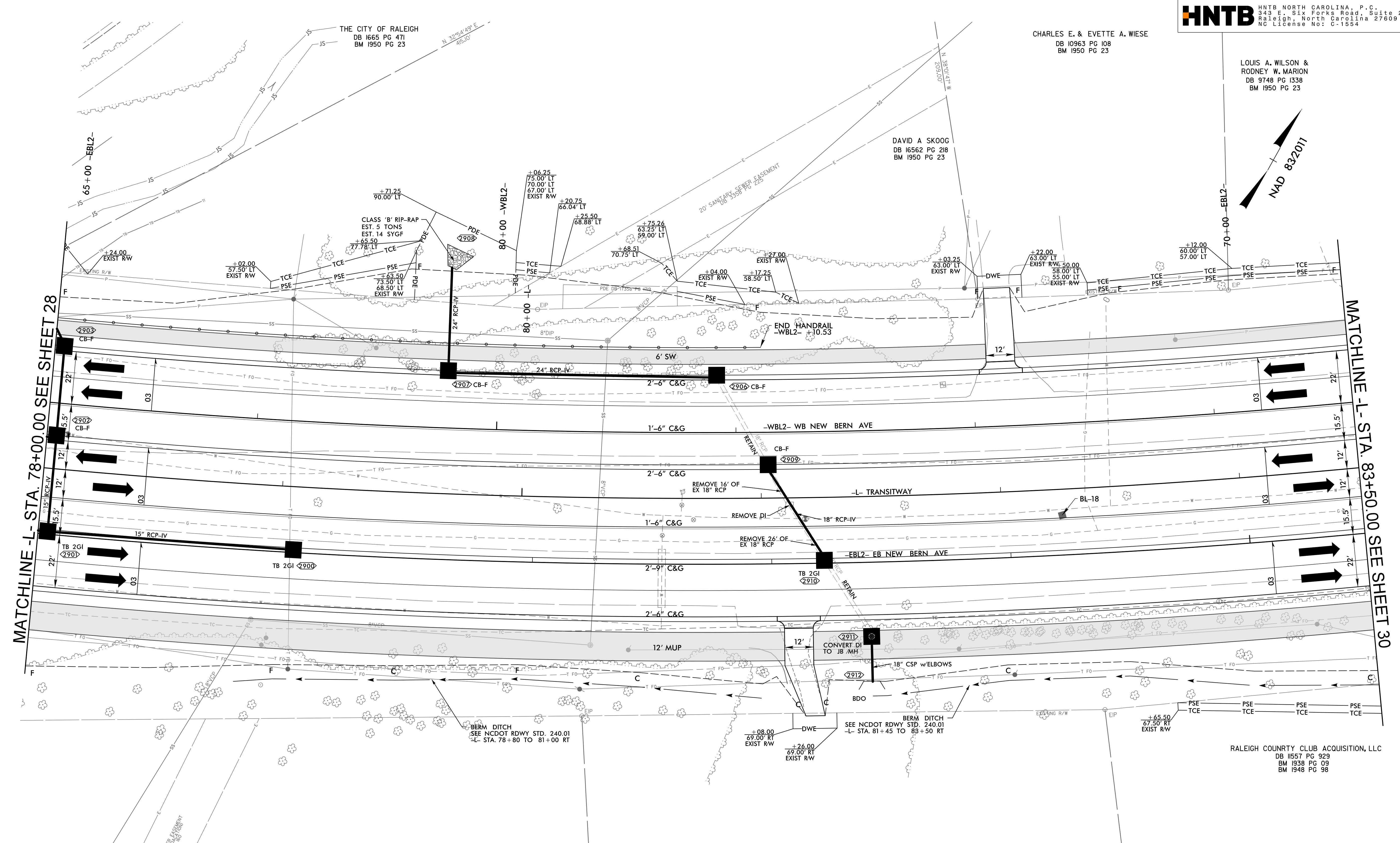
ROADWAY DESIGN
 ENGINEER

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT: WAKE BR
 NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE
SCALES HSCALE 1"=20'	
SHEET:	29



RALEIGH COUNTRY CLUB ACQUISITION, LLC DB 11557 PG 929 BM 1938 PG 09 BM 1948 PG 98	THE CITY OF RALEIGH DB 1665 PG 471 BM 1950 PG 23	RALEIGH COUNTRY CLUB ACQUISITION, LLC DB 11557 PG 929 BM 1938 PG 09 BM 1948 PG 98
PI Sta 79+99.87 $\Delta = 45^{\circ} 11' 06.0'' (LT)$ $D = 1^{\circ} 57' 37.8''$ $L = 2,304.76'$ $T = 1,216.07'$ $R = 2,922.50'$ $SE = 3\%$ $RO = SEE PLANS$	PI Sta 79+88.49 $\Delta = 45^{\circ} 11' 06.0'' (LT)$ $D = 1^{\circ} 56' 32.0''$ $L = 2,326.45'$ $T = 1,227.51'$ $R = 2,950.00'$ $SE = 3\%$ $RO = 144.00'$	PI Sta 66+83.29 $\Delta = 45^{\circ} 11' 06.0'' (LT)$ $D = 1^{\circ} 55' 27.4''$ $L = 2,348.14'$ $T = 1,238.96'$ $R = 2,977.50'$ $SE = 3\%$ $RO = 108.00'$

RALEIGH COUNTRY CLUB ACQUISITION, LLC
 DB 11557 PG 929
 BM 1938 PG 09
 BM 1948 PG 98

- NOTES:**
- FOR -L- PROFILE, SEE SHEET 58.
 - FOR -EBL2- PROFILE, SEE SHEETS 76 & 77.
 - FOR -WBL2- PROFILE, SEE SHEET 93.
 - ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 - ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

LEGEND

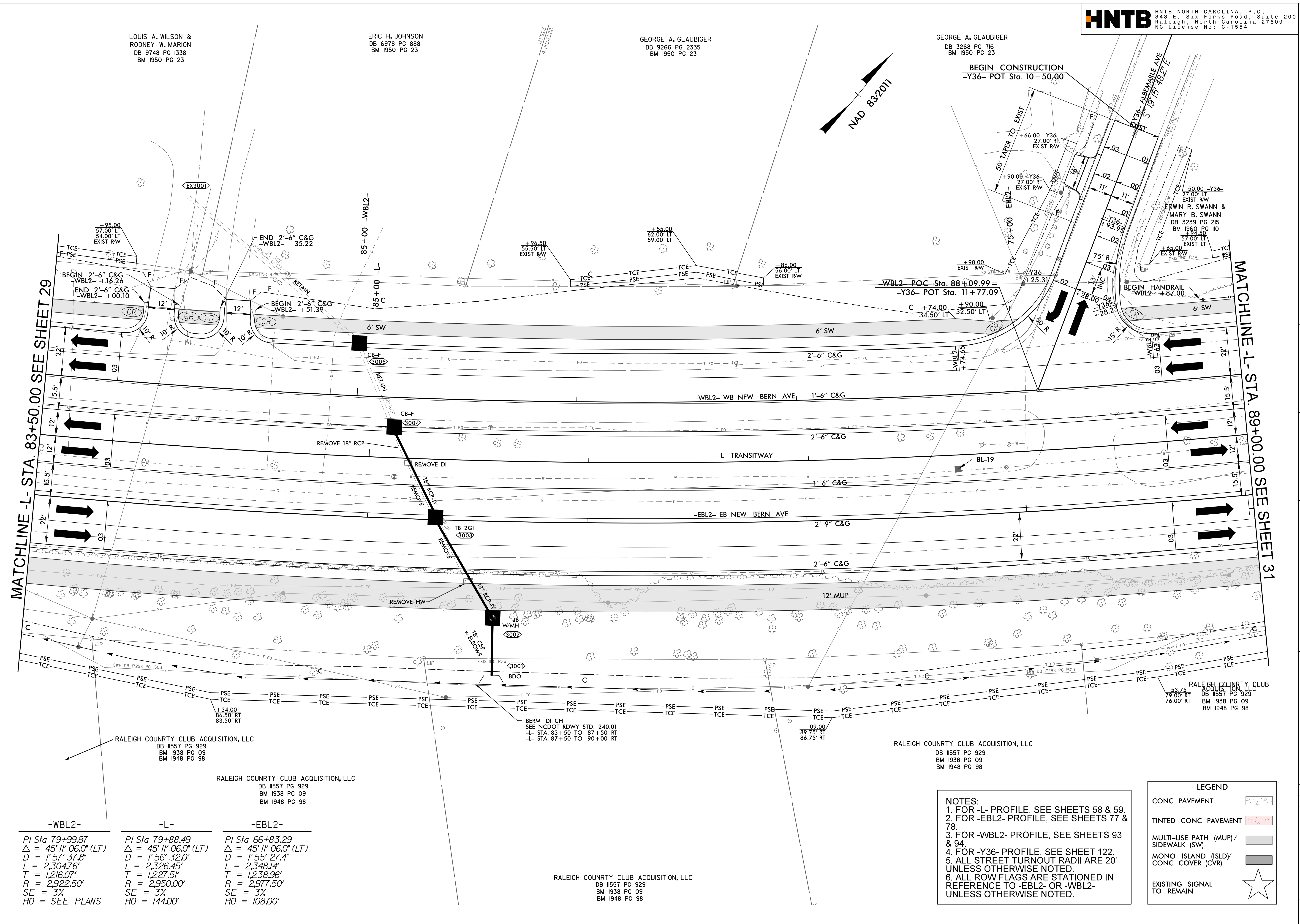
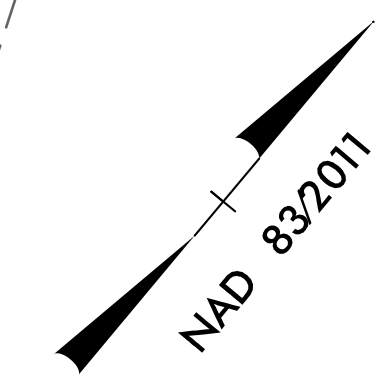
CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISL)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

LOUIS A. WILSON &
 RODNEY W. MARION
 DB 9748 PG 1338
 BM 1950 PG 23

ERIC H. JOHNSON
 DB 6978 PG 888
 BM 1950 PG 23

GEORGE A. GLAUBIGER
 DB 9266 PG 2335
 BM 1950 PG 23

GEORGE A. GLAUBIGER
 DB 3268 PG 716
 BM 1950 PG 23



MATCHLINE -L- STA. 83+50.00 SEE SHEET 29

MATCHLINE -L- STA. 89+00.00 SEE SHEET 31

-WBL2-	-L-	-EBL2-
PI Sta 79+99.87	PI Sta 79+88.49	PI Sta 66+83.29
$\Delta = 45^\circ 11' 06.0''$ (LT)	$\Delta = 45^\circ 11' 06.0''$ (LT)	$\Delta = 45^\circ 11' 06.0''$ (LT)
$D = 1^\circ 57' 37.8''$	$D = 1^\circ 56' 32.0''$	$D = 1^\circ 55' 27.4''$
$L = 2,304.76'$	$L = 2,326.45'$	$L = 2,348.14'$
$T = 1,216.07'$	$T = 1,227.51'$	$T = 1,238.96'$
$R = 2,922.50'$	$R = 2,950.00'$	$R = 2,977.50'$
$SE = 3\%$	$SE = 3\%$	$SE = 3\%$
$RO = \text{SEE PLANS}$	$RO = 144.00'$	$RO = 108.00'$

RALEIGH COUNTY CLUB ACQUISITION, LLC
 DB 11557 PG 929
 BM 1938 PG 09
 BM 1948 PG 98

- NOTES:**
- FOR -L- PROFILE, SEE SHEETS 58 & 59.
 - FOR -EBL2- PROFILE, SEE SHEETS 77 & 78.
 - FOR -WBL2- PROFILE, SEE SHEETS 93 & 94.
 - FOR -Y36- PROFILE, SEE SHEET 122.
 - ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 - ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP) / SIDEWALK (SW)	
MONO ISLAND (ISLD) / CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

HYDRAULICS ENGINEER
 ROADWAY DESIGN ENGINEER
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT: WAKE BRT NEW BERN AVE

DATE: 2/10/2022
 CADD TECH: TAR
 CHECKED BY: BPB
 REVISIONS
 NO. DATE
 SCALES
 HSCALE 1"=20'
 SHEET: 30

EDWIN R. SWANN &
 MARY B. SWANN
 DB 3239 PG 215
 BM 1960 PG 110

SASAN SALEM & AZAM MOKHTARI
 DB 17205 PG 2345
 BM 1960 PG 110



HYDRAULICS
 ENGINEER
 ROADWAY DESIGN
 ENGINEER
 DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

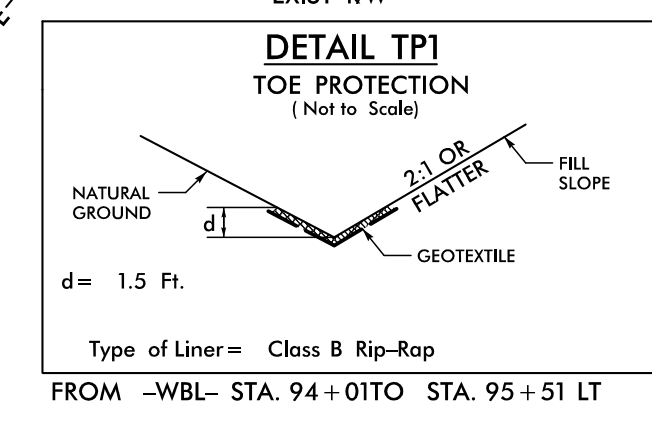
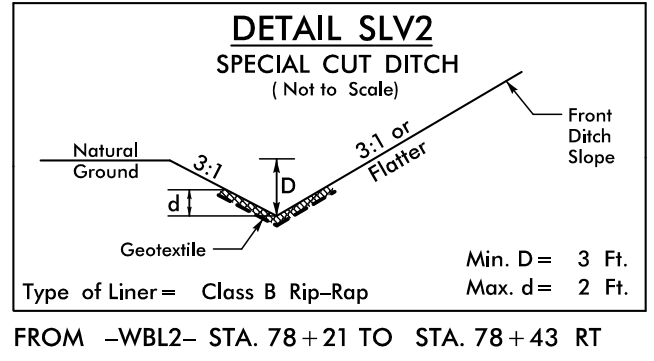
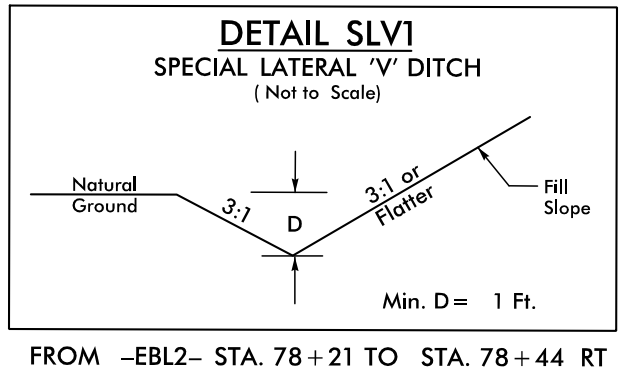
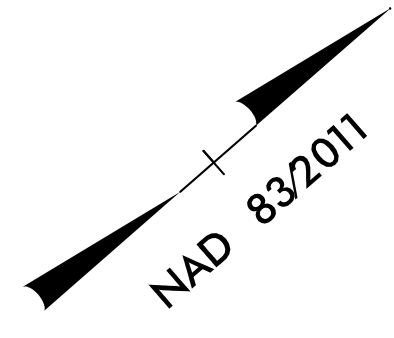
PLAN SHEET

PROJECT:
**WAKE BRT
 NEW BERN AVE**

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE
SCALES HSCALE 1"=20'	
SHEET:	31

MATCHLINE -L- STA. 89+00.00 SEE SHEET 30

MATCHLINE -L- STA. 94+50.00 SEE SHEET 32

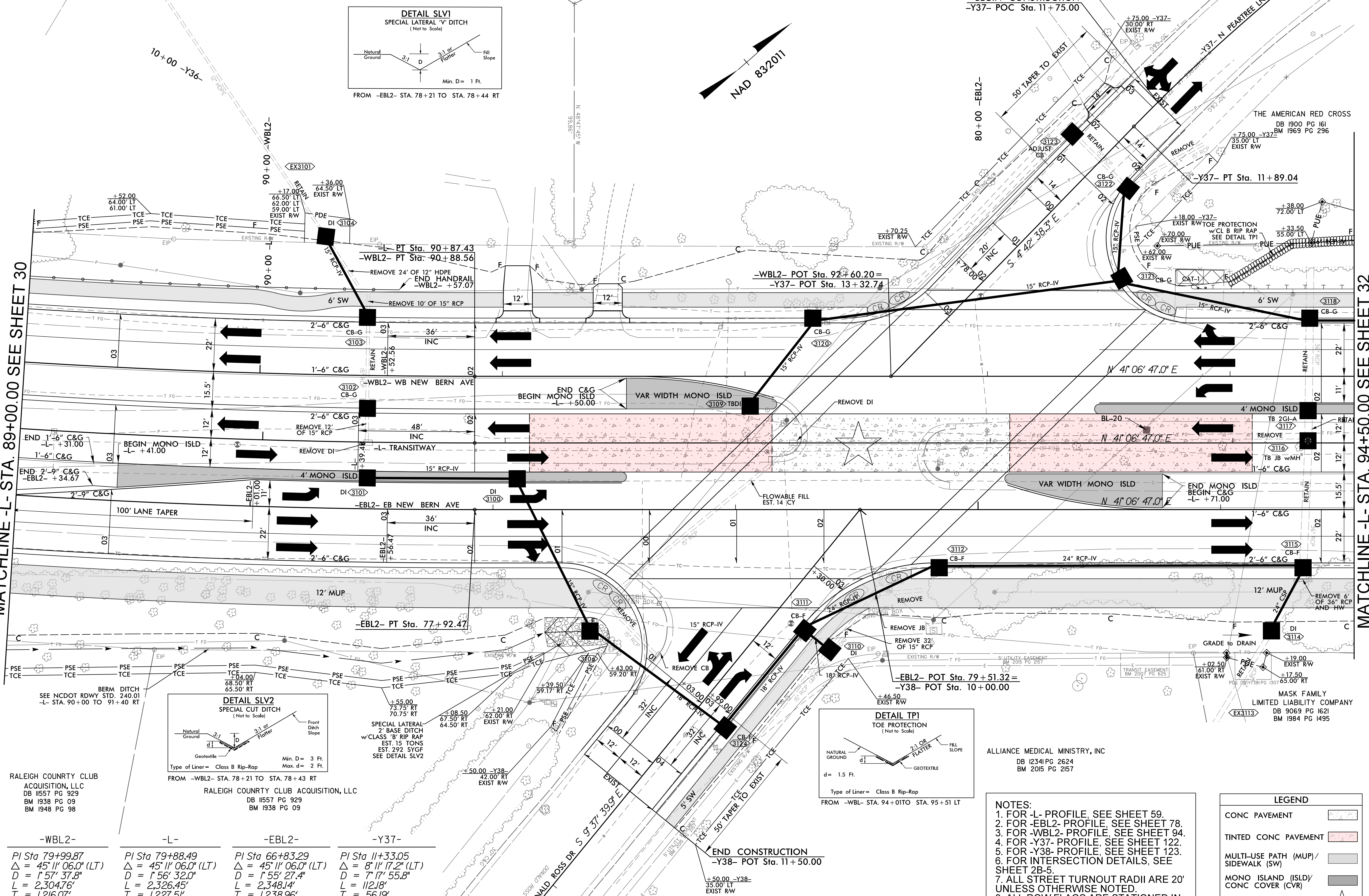


-WBL2-	-L-	-EBL2-	-Y37-
PI Sta 79+99.87	PI Sta 79+88.49	PI Sta 66+83.29	PI Sta 11+33.05
Δ = 45° 11' 06.0" (LT)	Δ = 45° 11' 06.0" (LT)	Δ = 45° 11' 06.0" (LT)	Δ = 8° 17' 17.2" (LT)
D = 1' 57' 37.8"	D = 1' 56' 32.0"	D = 1' 55' 27.4"	D = 7' 17' 55.8"
L = 2,304.76'	L = 2,326.45'	L = 2,348.14'	L = 112.8'
T = 1,216.07'	T = 1,227.51'	T = 1,238.96'	T = 56.19'
R = 2,922.50'	R = 2,950.00'	R = 2,977.50'	R = 785.00'
SE = 3%	SE = 3%	SE = 3%	SE = EXIST
RO = SEE PLANS	RO = 144.00'	RO = 108.00'	

- NOTES:**
- FOR -L- PROFILE, SEE SHEET 59.
 - FOR -EBL2- PROFILE, SEE SHEET 78.
 - FOR -WBL2- PROFILE, SEE SHEET 94.
 - FOR -Y37- PROFILE, SEE SHEET 122.
 - FOR -Y38- PROFILE, SEE SHEET 123.
 - FOR INTERSECTION DETAILS, SEE SHEET 2B-5.
 - ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 - ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/SIDEWALK (SW)	
MONO ISLAND (ISLD)/CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	



RALEIGH COUNTRY CLUB
 ACQUISITION, LLC
 DB 11557 PG 929
 BM 1938 PG 09
 BM 1948 PG 98

RALEIGH COUNTRY CLUB ACQUISITION, LLC
 DB 11557 PG 929
 BM 1938 PG 09

ALLIANCE MEDICAL MINISTRY, INC
 DB 12341 PG 2624
 BM 2015 PG 2157

MASK FAMILY
 LIMITED LIABILITY COMPANY
 DB 9069 PG 1621
 BM 1984 PG 1495

THE AMERICAN RED CROSS
 DB 1900 PG 161
 BM 1969 PG 296

FAANC II, LLC
 DB 11344 PG 1636
 BM 1985 PG III

PRIMARY HOLDINGS, LLC
 DB 14701 PG 83
 BM 1972 PG 162

LEGEND

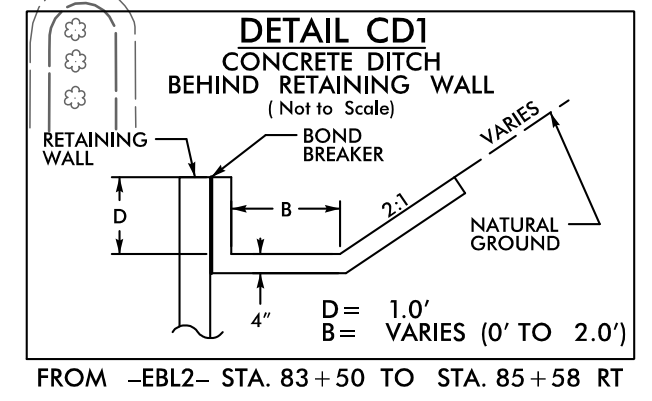
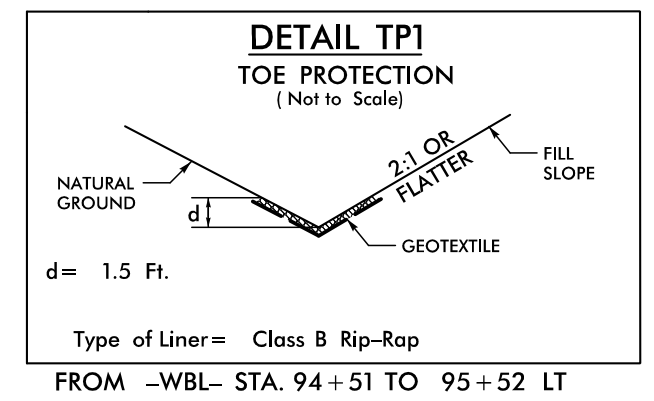
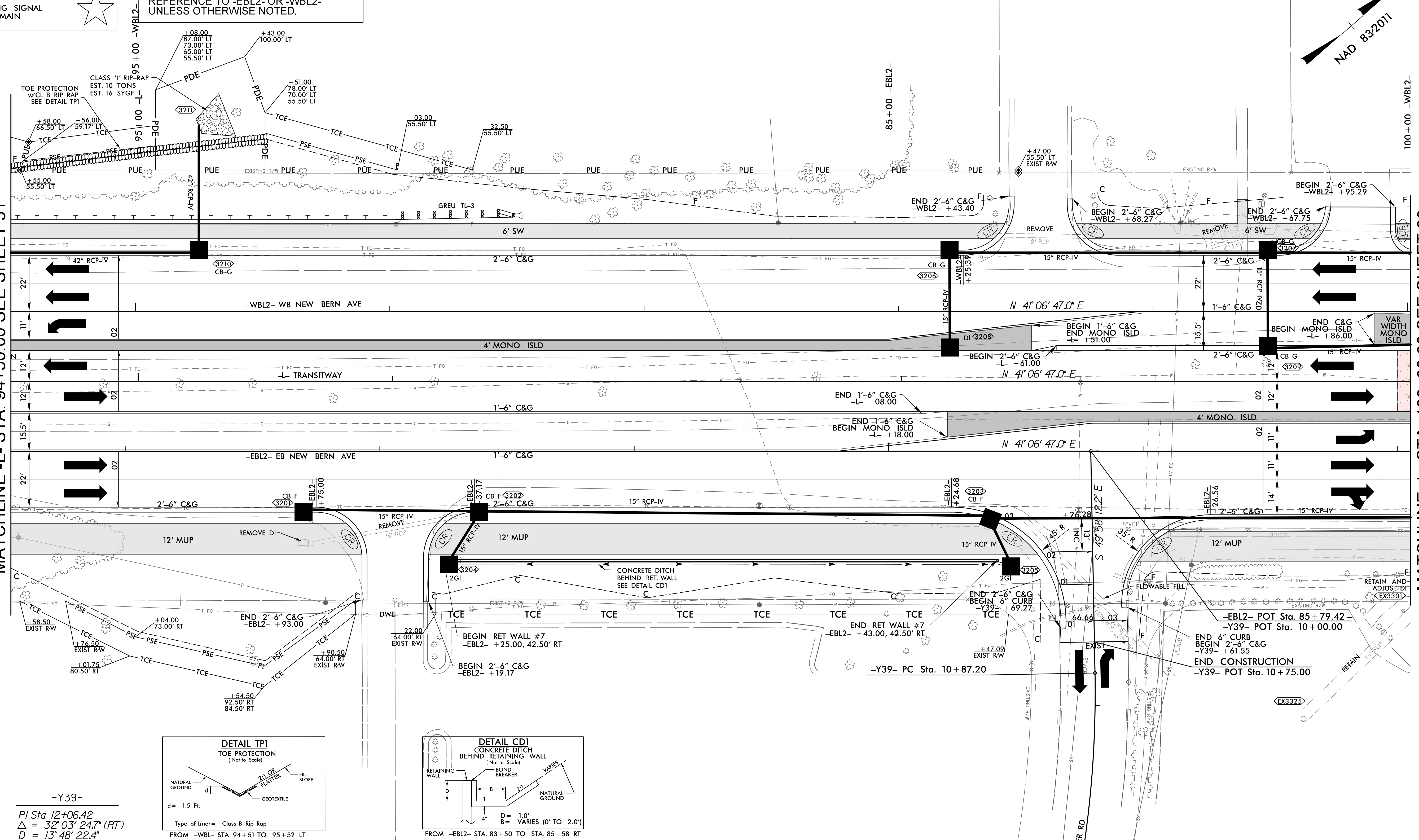
- CONC PAVEMENT
- TINTED CONC PAVEMENT
- MULTI-USE PATH (MUP)/
SIDEWALK (SW)
- MONO ISLAND (ISLD)/
CONC COVER (CVR)
- EXISTING SIGNAL
TO REMAIN

NOTES:

1. FOR -L- PROFILE, SEE SHEETS 59 & 60.
2. FOR -EBL2- PROFILE, SEE SHEETS 77 & 78.
3. FOR -WBL2- PROFILE, SEE SHEETS 94 & 95.
4. FOR -Y39- PROFILE, SEE SHEET 123.
5. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
6. ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

MATCHLINE -L- STA. 94+50.00 SEE SHEET 31

MATCHLINE -L- STA. 100+00.00 SEE SHEET 33



-Y39-
 PI Sta 12+06.42
 $\Delta = 32^{\circ} 03' 24.7''$ (RT)
 D = 13' 48" 22.4"
 L = 232.19'
 T = 119.22'
 R = 415.00'
 SE = SEE PLANS
 RO = SEE PLANS

MASK FAMILY
 LIMITED LIABILITY COMPANY
 DB 9069 PG 1621
 BM 1984 PG 1495

BEBE ROSE PROPERTIES, LLC
 DB 16764 PG 864
 BM 1984 PG 1485

WAKEMED PROPERTY
 SERVICES PER GIS
 DB 2405 PG 211
 DB 2288 PG 362

HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT: WAKE BRT
 NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
 HSCALE 1"=20'



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022
 CADD TECH: TAR
 CHECKED BY: BPB

REVISIONS
 NO. DATE

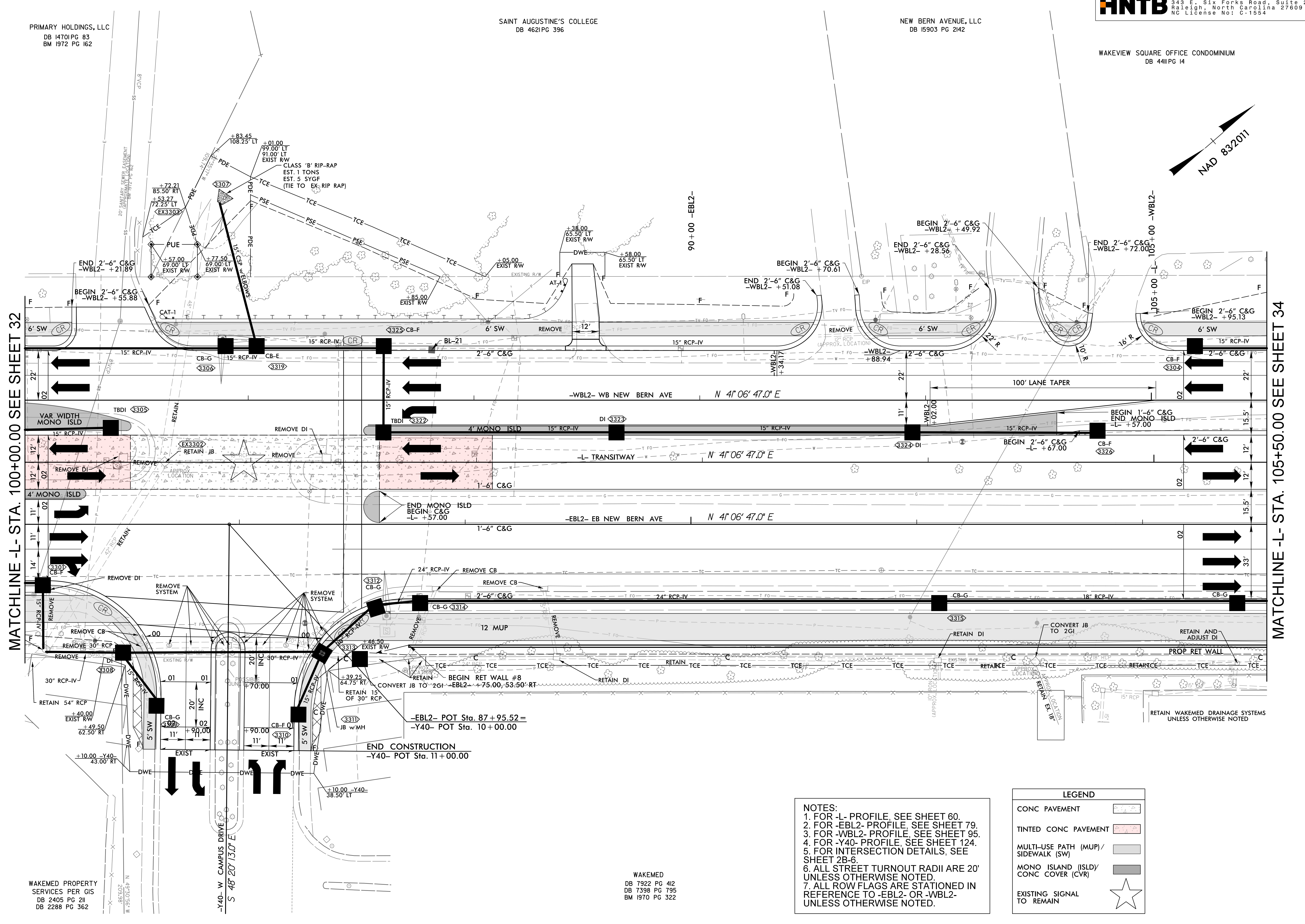
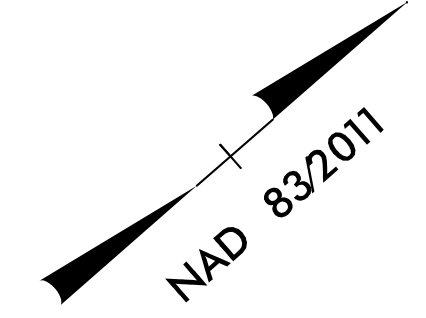
SCALES
HSCALE 1"=20'
 SHEET: 33

PRIMARY HOLDINGS, LLC
 DB 1470 PG 83
 BM 1972 PG 162

SAINT AUGUSTINE'S COLLEGE
 DB 4621 PG 396

NEW BERN AVENUE, LLC
 DB 15903 PG 242

WAKEVIEW SQUARE OFFICE CONDOMINIUM
 DB 4411 PG 14



MATCHLINE -L- STA. 100+00.00 SEE SHEET 32

MATCHLINE -L- STA. 105+50.00 SEE SHEET 34

- NOTES:**
1. FOR -L- PROFILE, SEE SHEET 60.
 2. FOR -EBL2- PROFILE, SEE SHEET 79.
 3. FOR -WBL2- PROFILE, SEE SHEET 95.
 4. FOR -Y40- PROFILE, SEE SHEET 124.
 5. FOR INTERSECTION DETAILS, SEE SHEET 2B-6.
 6. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 7. ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

WAKEMED
 DB 7922 PG 412
 DB 7398 PG 795
 BM 1970 PG 322

WAKEMED PROPERTY
 SERVICES PER GIS
 DB 2405 PG 211
 DB 2288 PG 362

C:\Users\jgibson\OneDrive\Documents\Projects\WakeBRT\WAKEMED\WAKEMED_PLOT_03.dwg



HYDRAULICS ENGINEER
 ROADWAY DESIGN ENGINEER
 DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT: WAKE BRT
 NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

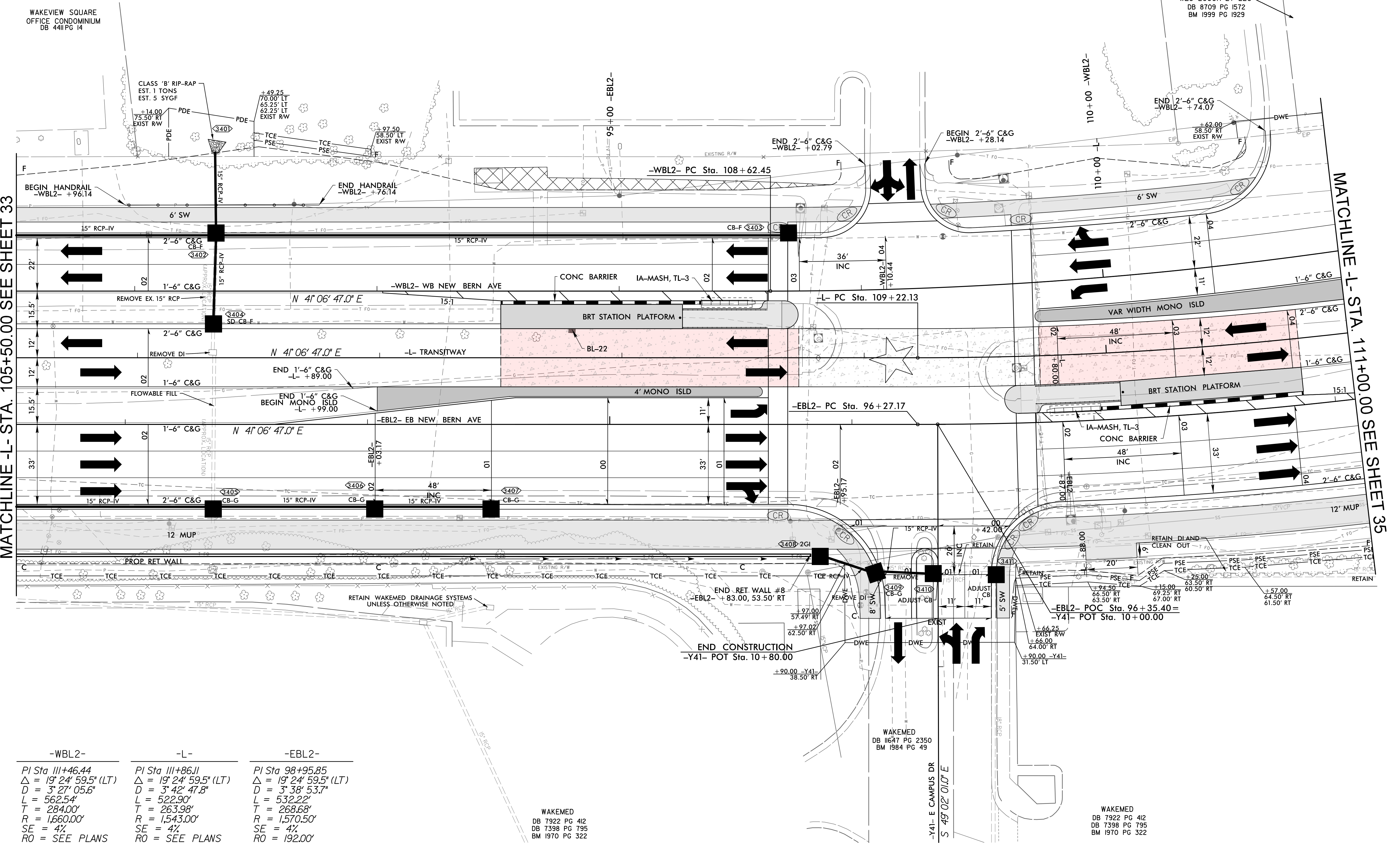
SCALES
 HSCALE 1"=20'

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP) / SIDEWALK (SW)	
MONO ISLAND (ISLD) / CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

- NOTES:**
1. FOR -L- PROFILE, SEE SHEETS 60 & 61.
 2. FOR -EBL2- PROFILE, SEE SHEETS 79 & 80.
 3. FOR -WBL2- PROFILE, SEE SHEETS 95 & 96.
 4. FOR -Y41- PROFILE, SEE SHEET 124.
 5. FOR INTERSECTION DETAILS, SEE SHEET 2B-7.
 6. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 7. ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

WAKEMED PROPERTY SERVICES
 DB 6294 PG 323
 BM 1994 PG 1386



-WBL2-	-L-	-EBL2-
PI Sta 111+46.44	PI Sta 111+86.11	PI Sta 98+95.85
$\Delta = 19^\circ 24' 59.5" (LT)$	$\Delta = 19^\circ 24' 59.5" (LT)$	$\Delta = 19^\circ 24' 59.5" (LT)$
$D = 3^\circ 27' 05.6"$	$D = 3^\circ 42' 47.8"$	$D = 3^\circ 38' 53.7"$
$L = 562.54'$	$L = 522.90'$	$L = 532.22'$
$T = 284.00'$	$T = 263.98'$	$T = 268.68'$
$R = 1,660.00'$	$R = 1,543.00'$	$R = 1,570.50'$
$SE = 4\%$	$SE = 4\%$	$SE = 4\%$
$RO = SEE PLANS$	$RO = SEE PLANS$	$RO = 192.00'$

WAKEMED
 DB 7922 PG 412
 DB 7398 PG 795
 BM 1970 PG 322

WAKEMED
 DB 7922 PG 412
 DB 7398 PG 795
 BM 1970 PG 322

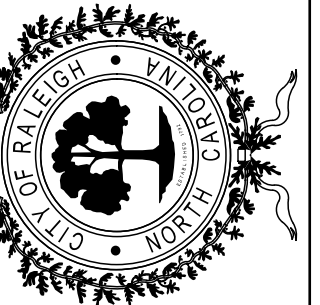
LEGEND	
CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

- NOTES:
 1. FOR -L- PROFILE, SEE SHEET 61.
 2. FOR -EBL2- PROFILE, SEE SHEET 80.
 3. FOR -WBL2- PROFILE, SEE SHEET 96.
 4. FOR -Y42- PROFILE, SEE SHEET 125.
 5. FOR -Y43- PROFILE, SEE SHEET 125.
 6. FOR INTERSECTION DETAILS, SEE SHEET 2B-8.
 7. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 8. ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

WEC 2000A-27 LLC
 DB 8709 PG I572
 BM 1999 PG I929

HNTB HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 NC License No: C-1554

CITY OF RALEIGH
 ENGINEERING SERVICES
 DEPARTMENT



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

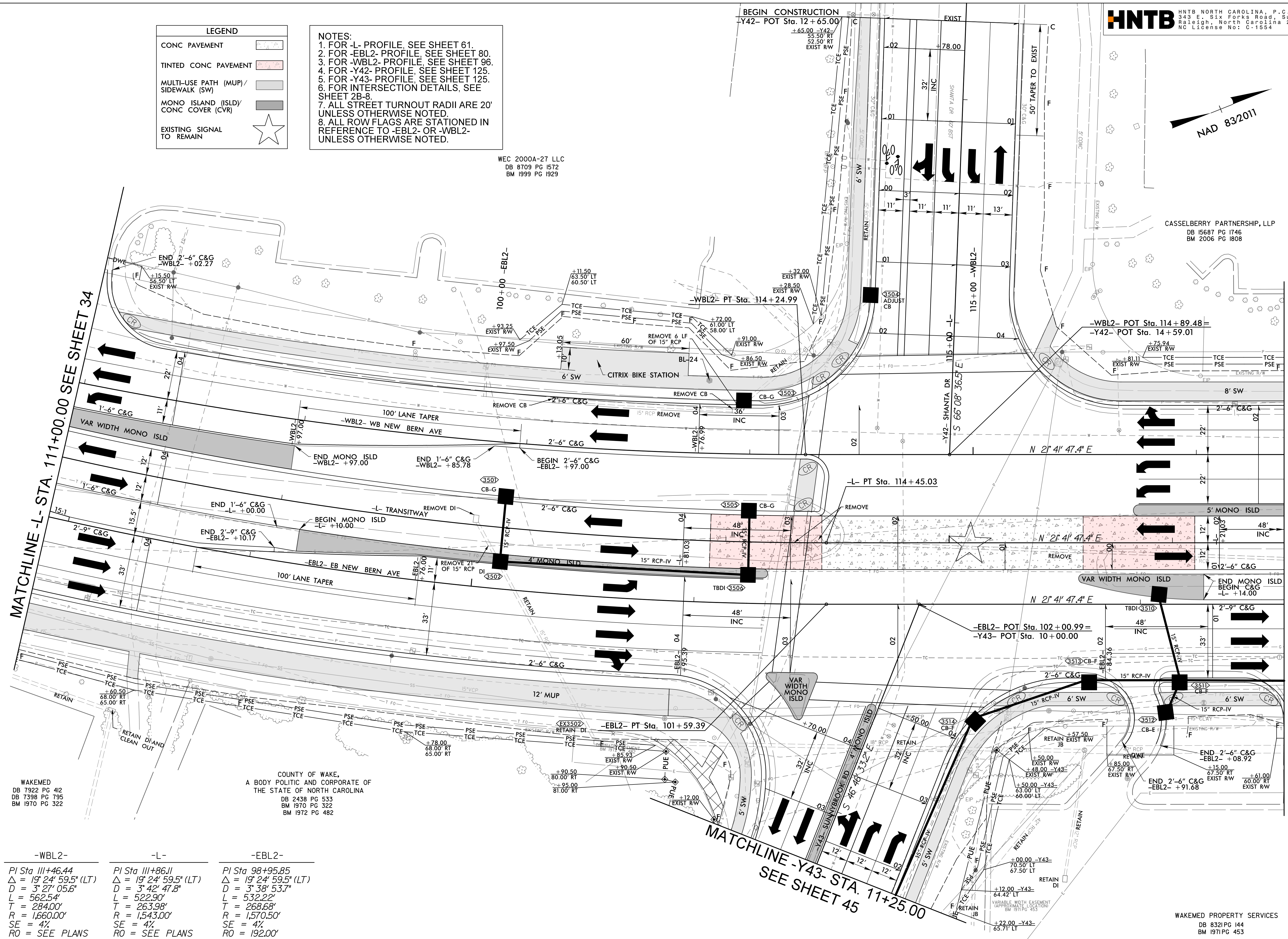
CHECKED BY: BPB

REVISIONS

NO. DATE

SCALES
HSCALE 1"=20'

SHEET: 35



MATCHLINE -L- STA. 111+00.00 SEE SHEET 34

MATCHLINE -L- STA. 116+50.00 SEE SHEET 36

MATCHLINE -Y43- STA. 11+25.00
SEE SHEET 45

WAKEMED
 DB 7922 PG 412
 DB 7398 PG 795
 BM 1970 PG 322

COUNTY OF WAKE,
 A BODY POLITIC AND CORPORATE OF
 THE STATE OF NORTH CAROLINA
 DB 2438 PG 533
 BM 1970 PG 322
 BM 1972 PG 482

-WBL2-	-L-	-EBL2-
PI Sta 111+46.44	PI Sta 111+86.11	PI Sta 98+95.85
$\Delta = 19^\circ 24' 59.5" (LT)$	$\Delta = 19^\circ 24' 59.5" (LT)$	$\Delta = 19^\circ 24' 59.5" (LT)$
$D = 3' 27" 05.6"$	$D = 3' 42' 47.8"$	$D = 3' 38' 53.7"$
$L = 562.54'$	$L = 522.90'$	$L = 532.22'$
$T = 284.00'$	$T = 263.98'$	$T = 268.68'$
$R = 1,660.00'$	$R = 1,543.00'$	$R = 1,570.50'$
$SE = 4\%$	$SE = 4\%$	$SE = 4\%$
$RO = SEE PLANS$	$RO = SEE PLANS$	$RO = 192.00'$

WAKEMED PROPERTY SERVICES
 DB 8321 PG 144
 BM 1971 PG 453



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

CHECKED BY: BPB

REVISIONS

NO. DATE

SCALES
HSCALE 1"=20'

SHEET: 36

NEW BERN CROSSING LLC
 D.B. 7637, PG. 172
 B.M. 2000, PG. 233
 NC DOT PROJECT 8.240210I

CASSELBERRY PARTNERSHIP, LLP
 DB 15687 PG 1746
 BM 2006 PG 1808

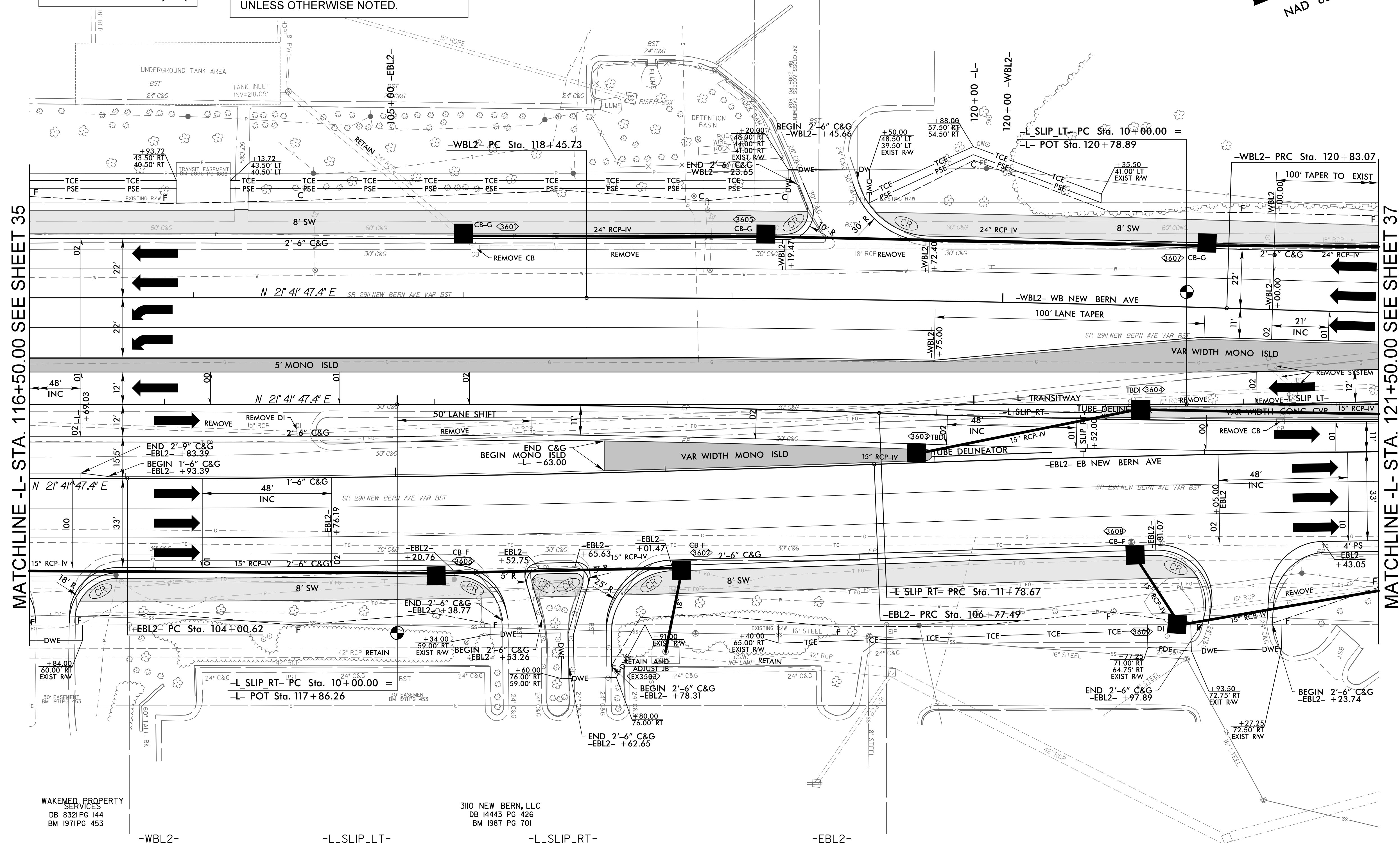
LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

- NOTES:**
1. FOR -L- PROFILE, SEE SHEETS 61 & 62.
 2. FOR -L_SLIP_RT- PROFILE, SEE SHEET 63.
 3. FOR -L_SLIP_LT- PROFILE, SEE SHEET 63.
 4. FOR -EBL2- PROFILE, SEE SHEET 80.
 5. FOR -WBL2- PROFILE, SEE SHEETS 96 & 97.
 6. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.
 7. ALL ROW FLAGS ARE STATIONED IN REFERENCE TO -EBL2- OR -WBL2- UNLESS OTHERWISE NOTED.

MATCHLINE -L- STA. 116+50.00 SEE SHEET 35

MATCHLINE -L- STA. 121+50.00 SEE SHEET 37



WAKEMED PROPERTY SERVICES
 DB 8321 PG 144
 BM 1971 PG 453

310 NEW BERN, LLC
 DB 14443 PG 426
 BM 1987 PG 701

-WBL2-	-L_SLIP_LT-	-L_SLIP_RT-	-EBL2-
PI Sta 119+64.41 Δ = 1° 51' 46.0" (RT) D = 0' 47' 05.5" L = 237.33' T = 118.68' R = 7,300.00' SE = NC	PI Sta 121+64.35 Δ = 1° 51' 46.0" (LT) D = 1' 08' 45.3" L = 162.56' T = 81.29' R = 5,000.00' SE = NC	PI Sta 10+83.24 Δ = 3° 48' 50.7" (LT) D = 2' 17' 30.6" L = 166.42' T = 83.24' R = 5,012.00' SE = NC	PI Sta 10+89.35 Δ = 2° 02' 33.3" (RT) D = 1' 08' 35.5" L = 178.67' T = 89.35' R = 5,020.00' SE = NC
PI Sta 105+39.07 Δ = 2° 10' 23.2" (LT) D = 0' 47' 05.5" L = 276.87' T = 138.45' R = 7,300.00' SE = 2% RO = 96.00'	PI Sta 108+15.95 Δ = 2° 10' 23.2" (RT) D = 0' 47' 05.5" L = 276.87' T = 138.45' R = 7,300.00' SE = NC		

SWEJAY INC
 D.B. 8623, PG. 575
 B.M. 1985, PG. 270

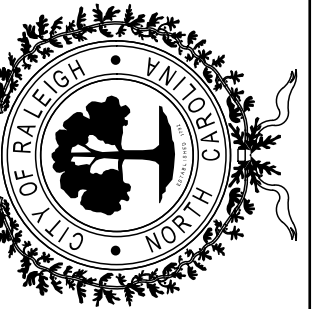


NEW BERN CROSSING LLC
D.B. 7637, PG. 172
B.M. 2000, PG. 233
NC DOT PROJECT 8.2402101

CRUZ INVESTMENTS LLC
D.B. 17306, PG. 285
NC DOT PROJECT 8.2402101

HNTB HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

CITY OF RALEIGH
ENGINEERING SERVICES
DEPARTMENT



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

CHECKED BY: BPB

REVISIONS

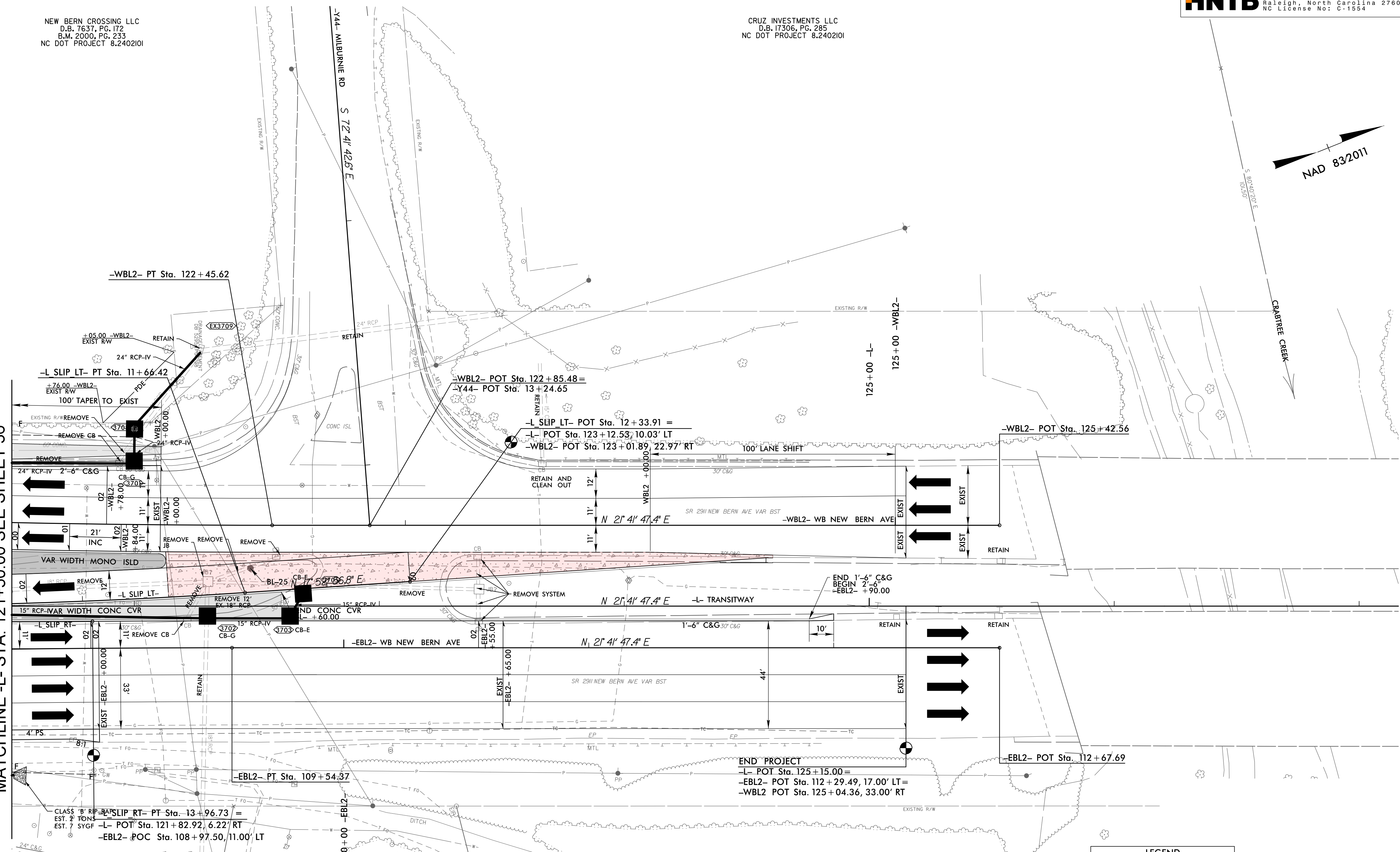
NO. DATE

SCALES
HSCALE 1"=20'

SHEET: 37



MATCHLINE -L- STA. 121+50.00 SEE SHEET 36



-WBL2-	-L_SLIP_LT-	-L_SLIP_RT-	-EBL2-
PI Sta 121+64.35	PI Sta 10+83.24	PI Sta 12+87.72	PI Sta 108+15.95
$\Delta = 1° 51' 46.0\" (LT)$	$\Delta = 3° 48' 50.7\" (LT)$	$\Delta = 2° 29' 20.0\" (LT)$	$\Delta = 2° 10' 23.2\" (RT)$
$D = 1° 08' 45.3\"$	$D = 2° 17' 30.6\"$	$D = 1° 08' 28.9\"$	$D = 0° 47' 05.5\"$
$L = 162.56'$	$L = 166.42'$	$L = 218.06'$	$L = 276.87'$
$T = 81.29'$	$T = 83.24'$	$T = 109.05'$	$T = 138.45'$
$R = 5,000.00'$	$R = 2,500.00'$	$R = 5,020.00'$	$R = 7,300.00'$
SE = NC	SE = NC	SE = NC	SE = NC

NOTES:
1. FOR -L- PROFILE, SEE SHEET 62.
2. FOR -L_SLIP_RT- PROFILE, SEE SHEET 63.
3. FOR -L_SLIP_LT- PROFILE, SEE SHEET 63.
4. FOR -EBL2- PROFILE, SEE SHEETS 80 & 81.
5. FOR -WBL2- PROFILE, SEE SHEET 97.
6. FOR -Y44- PROFILE, SEE SHEET 126.
7. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

BELASCO LIMITED PARTNERSHIP
D.B. 6048, PG. 72



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
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PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
HSCALE 1"=20'

SHEET:
38

LEGEND

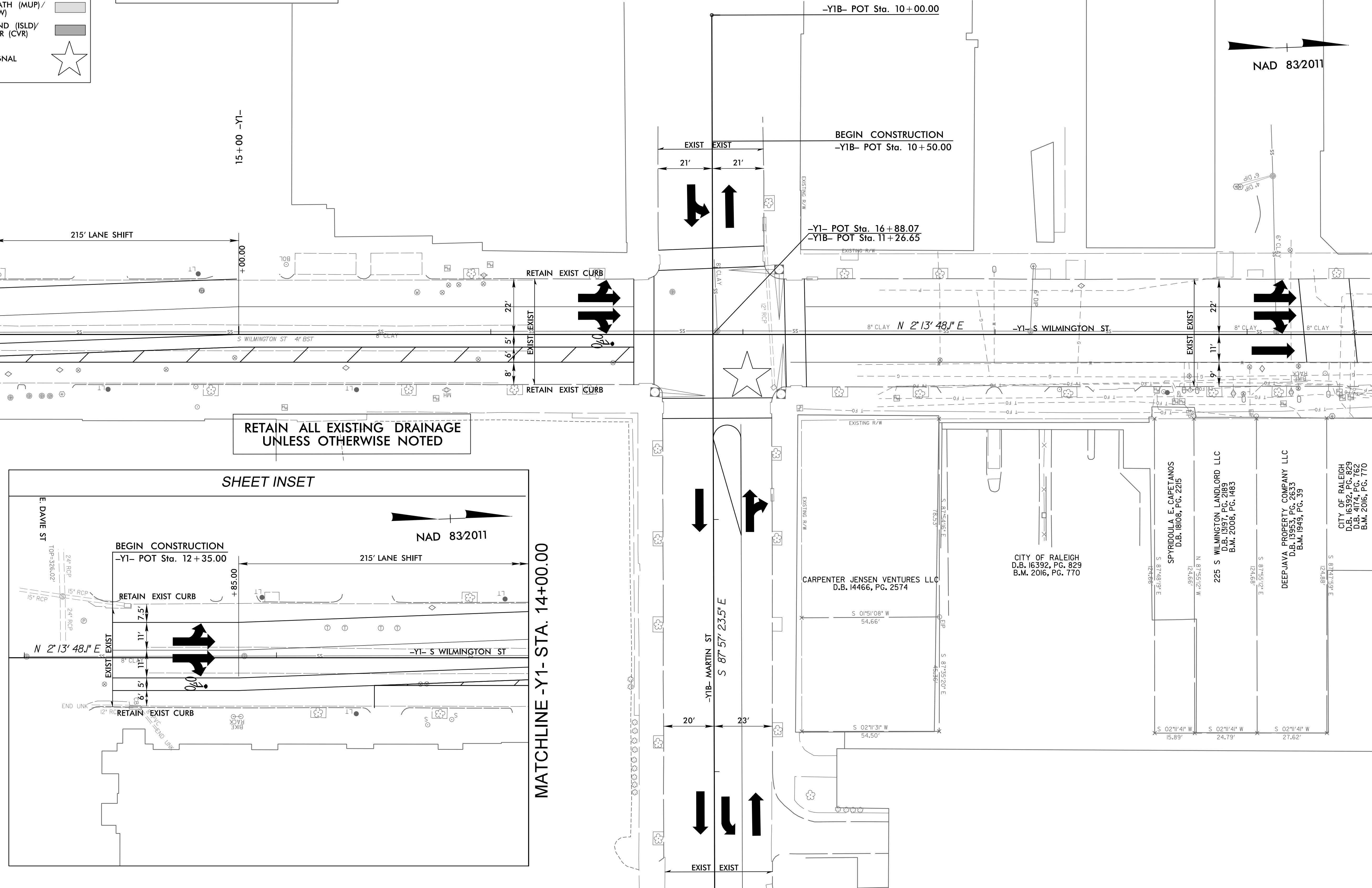
CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

NOTES:
 1. FOR -Y1- PROFILE, SEE SHEET 98.
 2. FOR -Y1B- PROFILE, SEE SHEET 101.
 3. ALL STREET TURNOUT RADII ARE 20'
 UNLESS OTHERWISE NOTED.

MATCHLINE -Y1- STA. 14+00.00

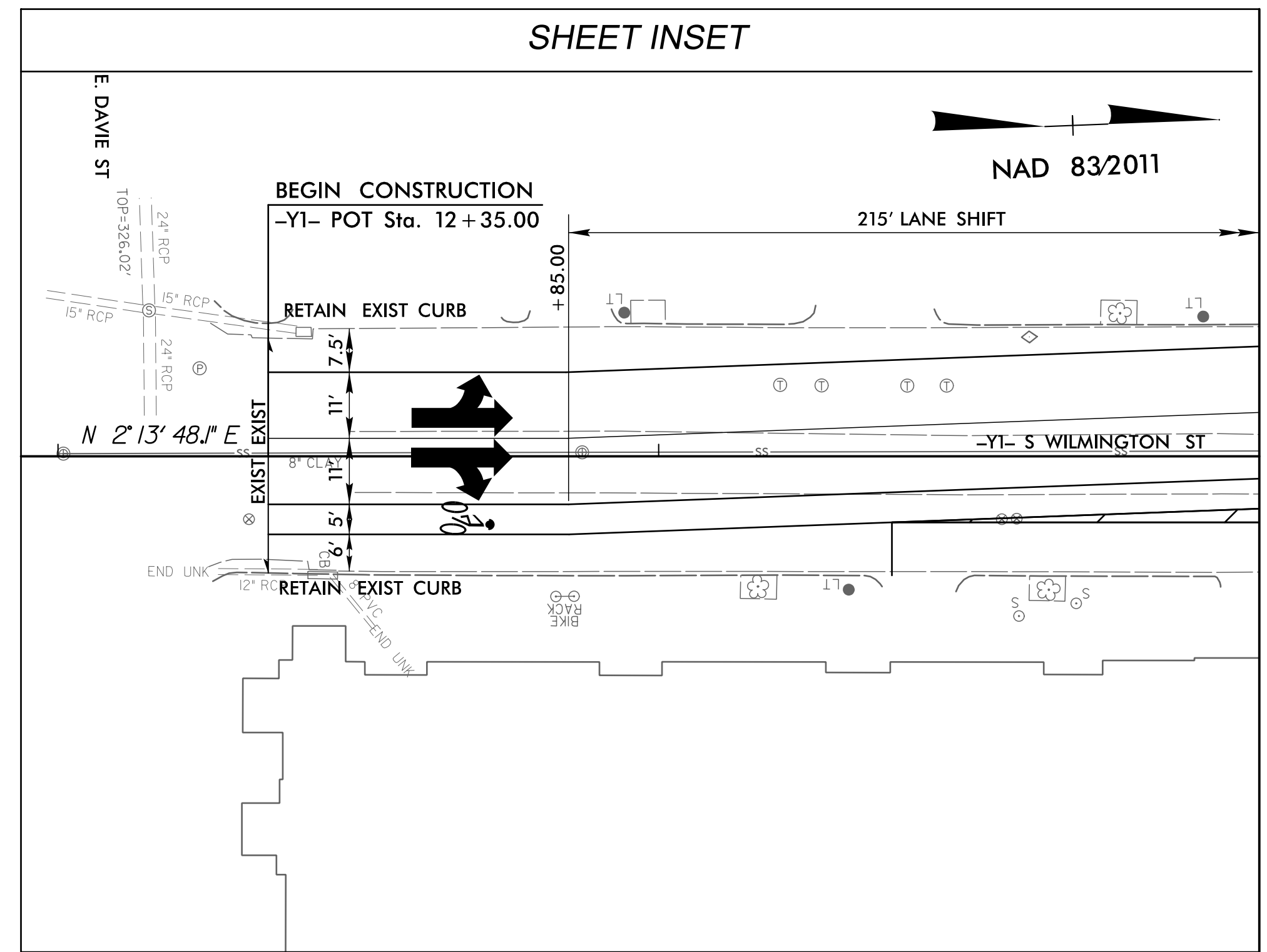
MATCHLINE -Y1- STA. 19+50.00 SEE SHEET 39

MATCHLINE -Y1B- STA. 13+50.00 SEE SHEET 40



RETAIN ALL EXISTING DRAINAGE
UNLESS OTHERWISE NOTED

SHEET INSET



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HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

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PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

CHECKED BY: BPB

REVISIONS

NO.	DATE

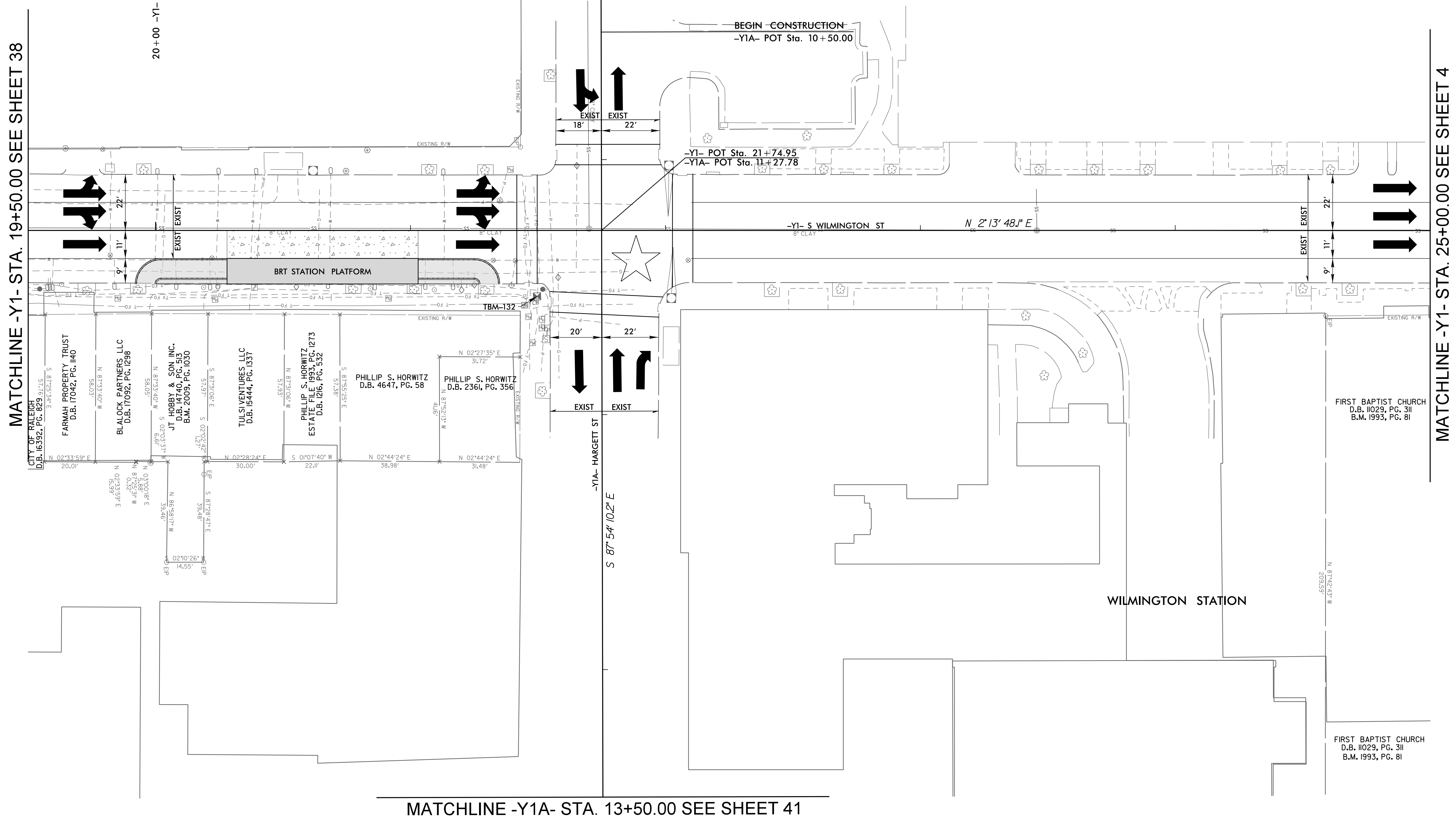
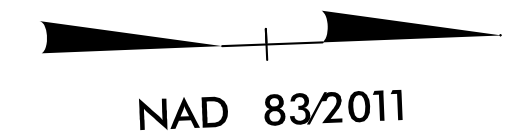
SCALES
HSCALE 1"=20'

SHEET: 39

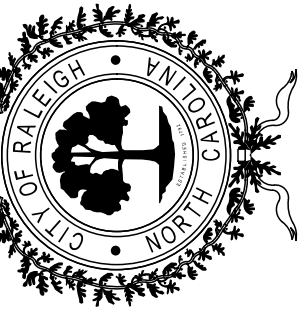
LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

NOTES:
 1. FOR -Y1- PROFILE, SEE SHEETS 98 & 99.
 2. FOR -Y1A- PROFILE, SEE SHEET 100.
 3. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.



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HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

CHECKED BY: BPB

REVISIONS

NO.	DATE

SCALES
HSCALE 1"=20'

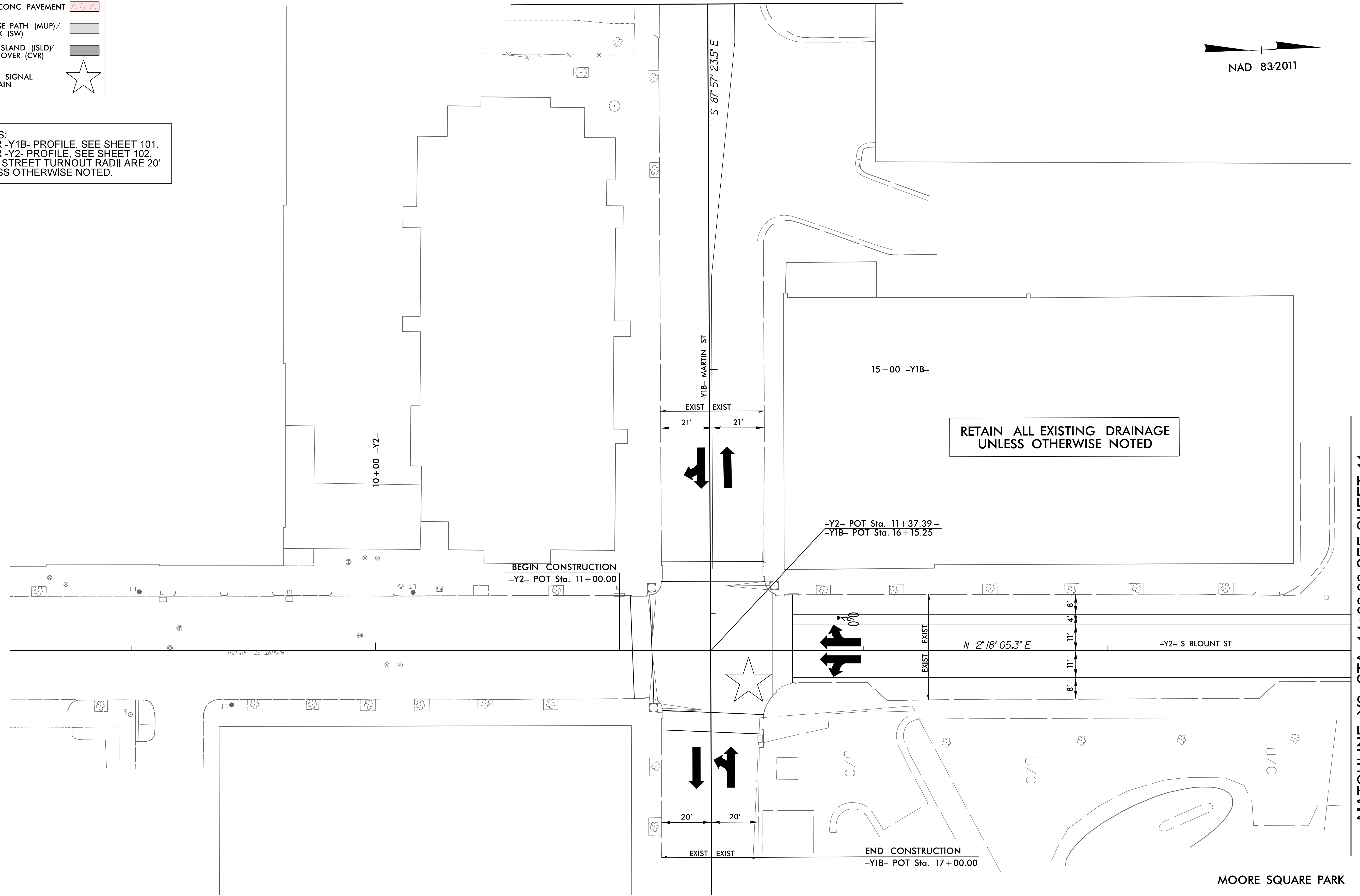
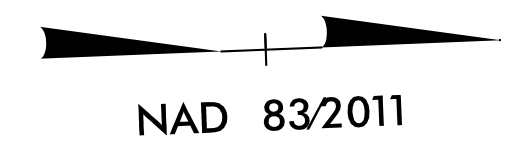
SHEET:
40

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

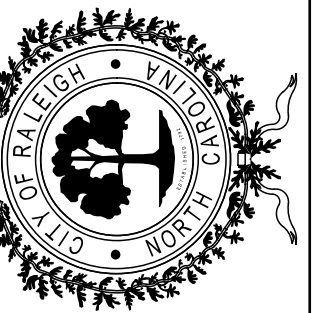
NOTES:
 1. FOR -Y1B- PROFILE, SEE SHEET 101.
 2. FOR -Y2- PROFILE, SEE SHEET 102.
 3. ALL STREET TURNOUT RADII ARE 20'
 UNLESS OTHERWISE NOTED.

MATCHLINE -Y1B- STA. 13+50.00 SEE SHEET 38



MATCHLINE -Y2- STA. 14+00.00 SEE SHEET 41

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 jgibson



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ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

CHECKED BY: BPB

REVISIONS

NO.	DATE

SCALES
HSCALE 1"=20'

SHEET: 41

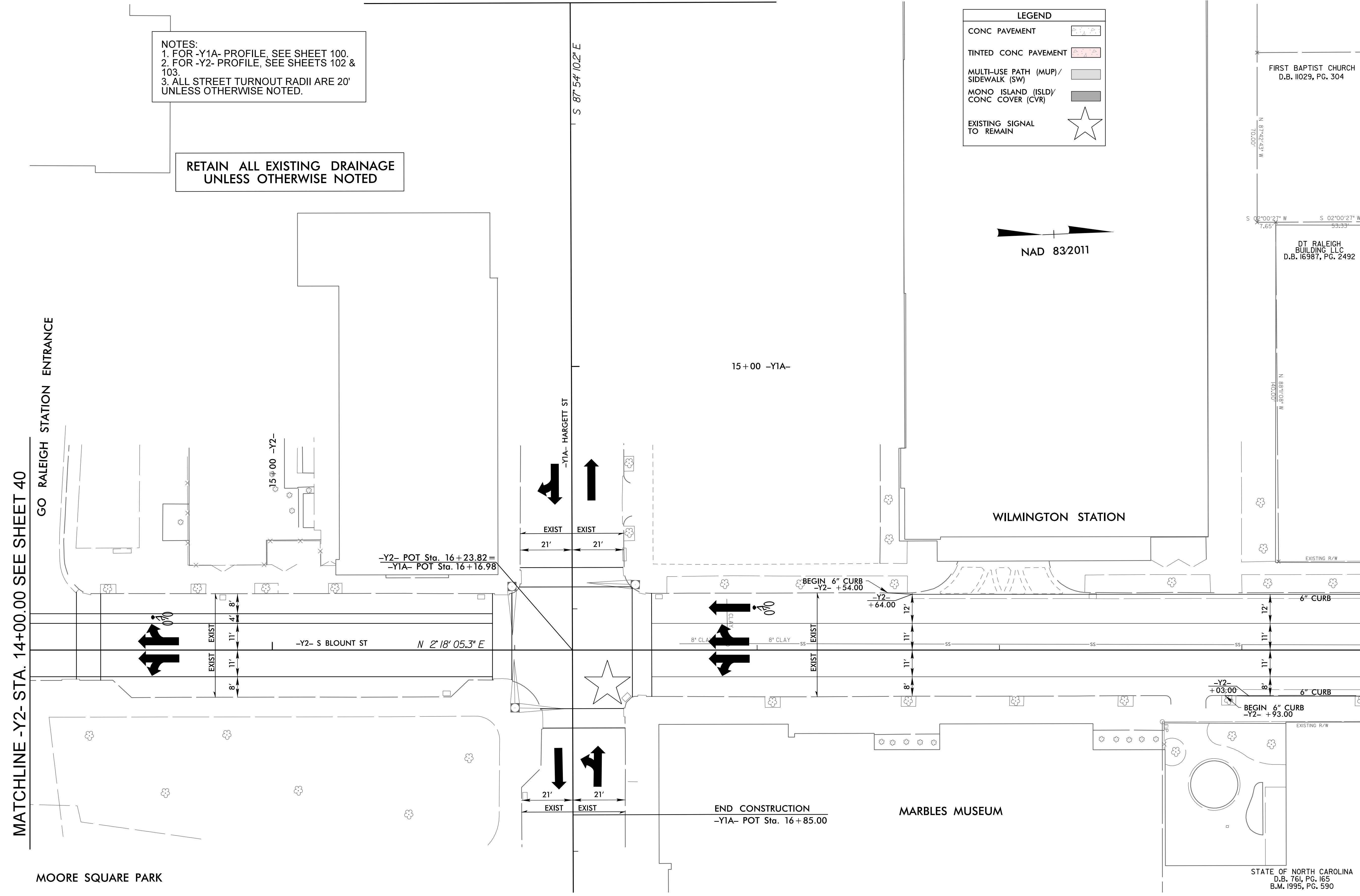
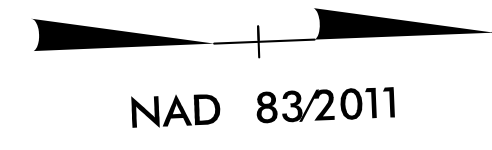
MATCHLINE -Y1A- STA. 13+50.00 SEE SHEET 39

NOTES:
 1. FOR -Y1A- PROFILE, SEE SHEET 100.
 2. FOR -Y2- PROFILE, SEE SHEETS 102 & 103.
 3. ALL STREET TURNOUT RADII ARE 20' UNLESS OTHERWISE NOTED.

RETAIN ALL EXISTING DRAINAGE UNLESS OTHERWISE NOTED

LEGEND

- CONC PAVEMENT
- TINTED CONC PAVEMENT
- MULTI-USE PATH (MUP)/SIDEWALK (SW)
- MONO ISLAND (ISLD)/CONC COVER (CVR)
- EXISTING SIGNAL TO REMAIN

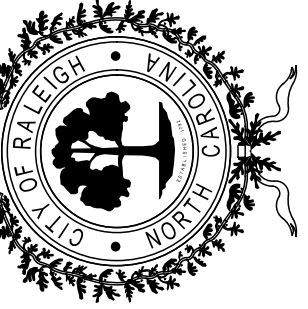


MATCHLINE -Y2- STA. 14+00.00 SEE SHEET 40

MATCHLINE -Y2- STA. 19+50.00 SEE SHEET 5

STATE OF NORTH CAROLINA
 D.B. 761, PG. 165
 B.M. 1995, PG. 590

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HYDRAULICS
 ENGINEER

ROADWAY DESIGN
 ENGINEER

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
 WAKE BRT
 NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
 HSCALE 1"=20'

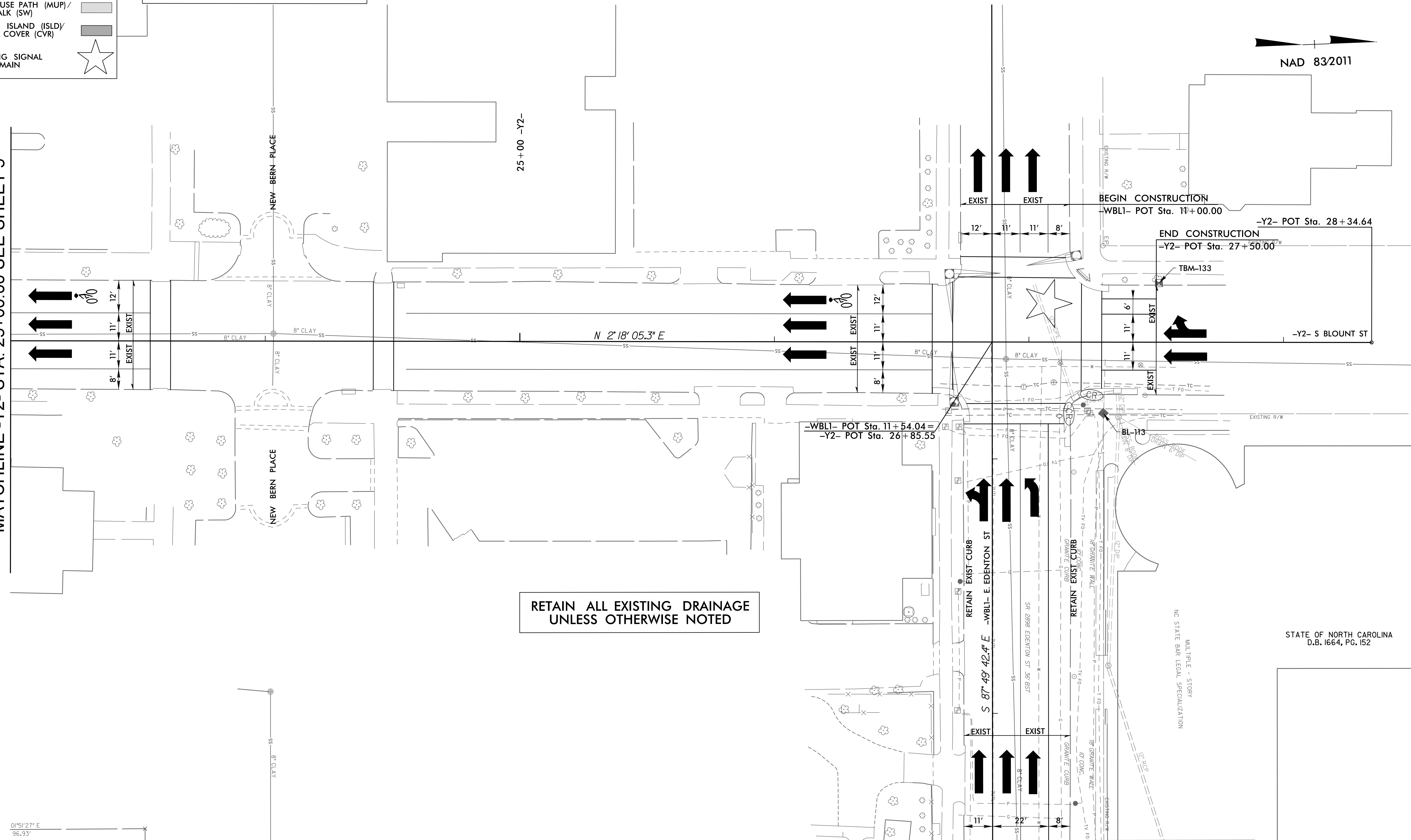
SHEET:
 42

LEGEND

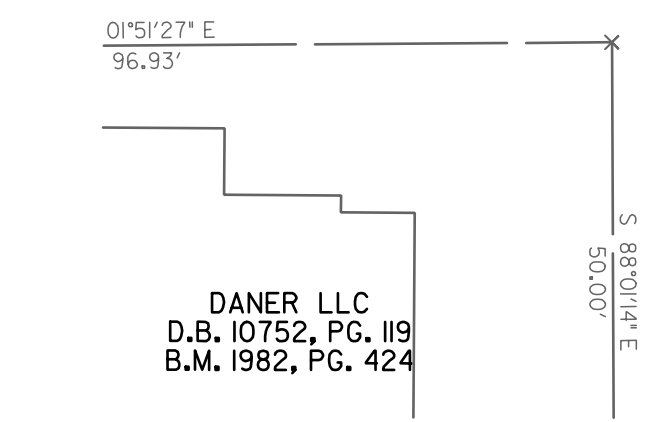
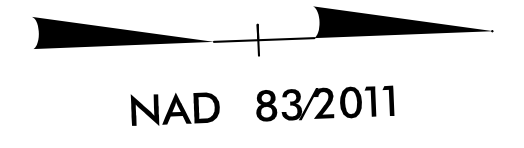
CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

NOTES:
 1. FOR -WBL1- PROFILE, SEE SHEET 82.
 2. FOR -Y2- PROFILE, SEE SHEET 103.
 3. ALL STREET TURNOUT RADII ARE 20'
 UNLESS OTHERWISE NOTED.

MATCHLINE -Y2- STA. 23+00.00 SEE SHEET 5



RETAIN ALL EXISTING DRAINAGE
 UNLESS OTHERWISE NOTED

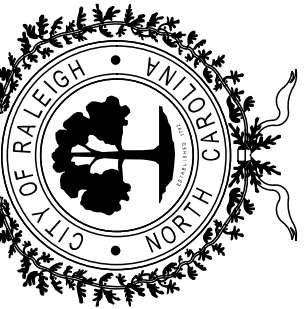


DANER LLC
 D.B. 10752, PG. 119
 B.M. 1982, PG. 424

MATCHLINE -WBL1- STA. 13+50.00 SEE SHEET 43

STATE OF NORTH CAROLINA
 D.B. 1664, PG. 152

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HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

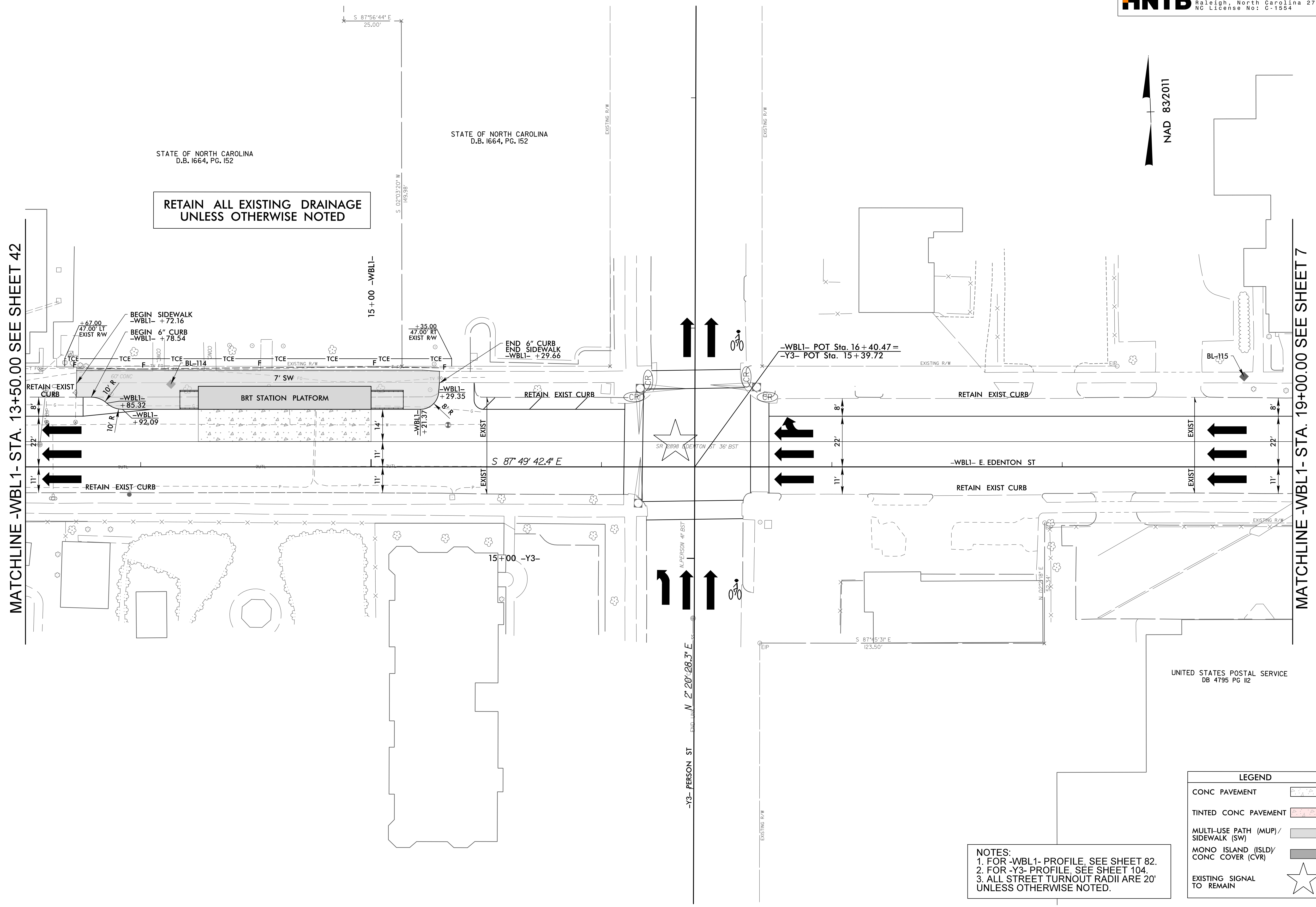
PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE:	2/10/2022
CADD TECH:	TAR
CHECKED BY:	BPB
REVISIONS	
NO.	DATE

SCALES
HSCALE 1"=20'

SHEET:
43





HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BR
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

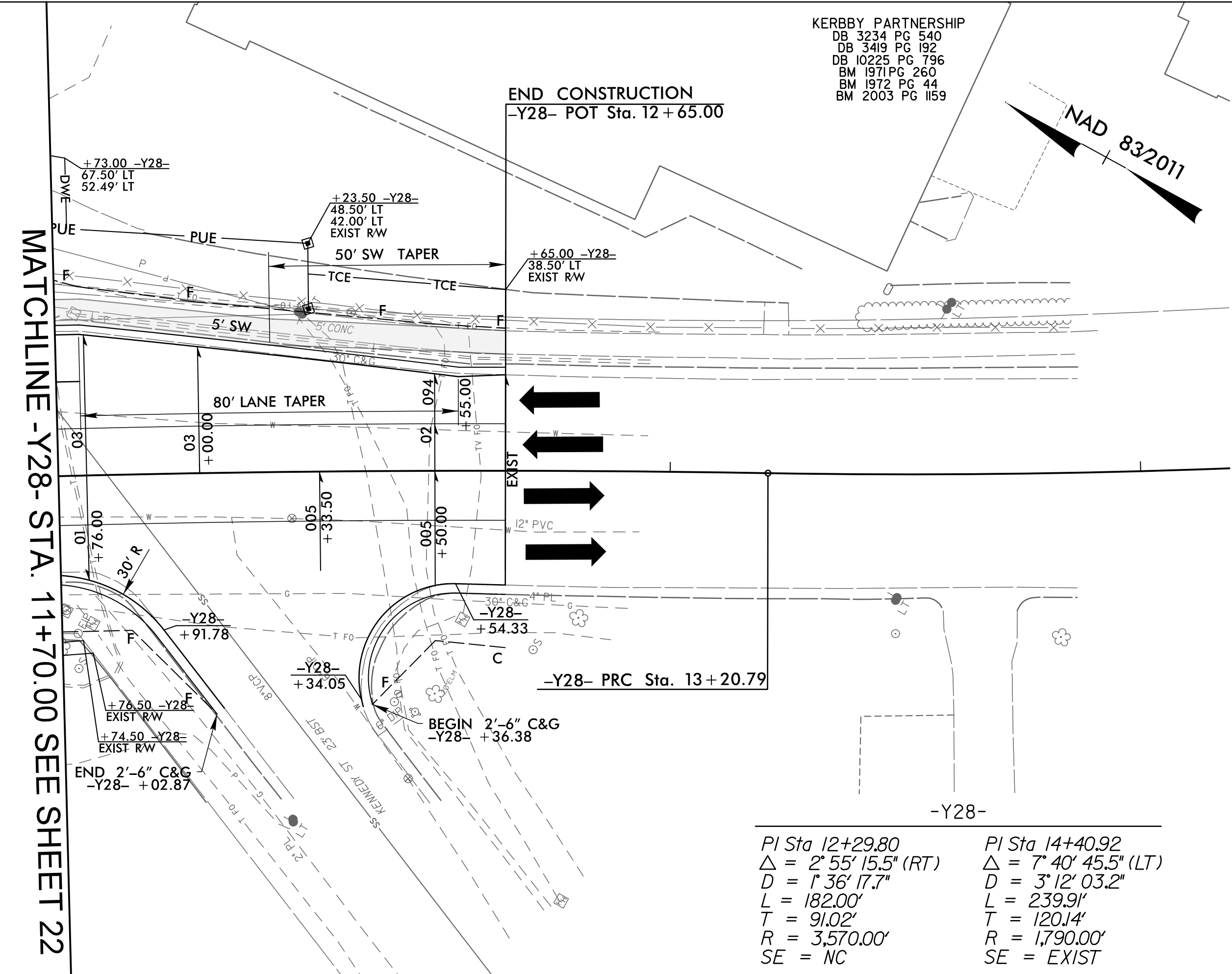
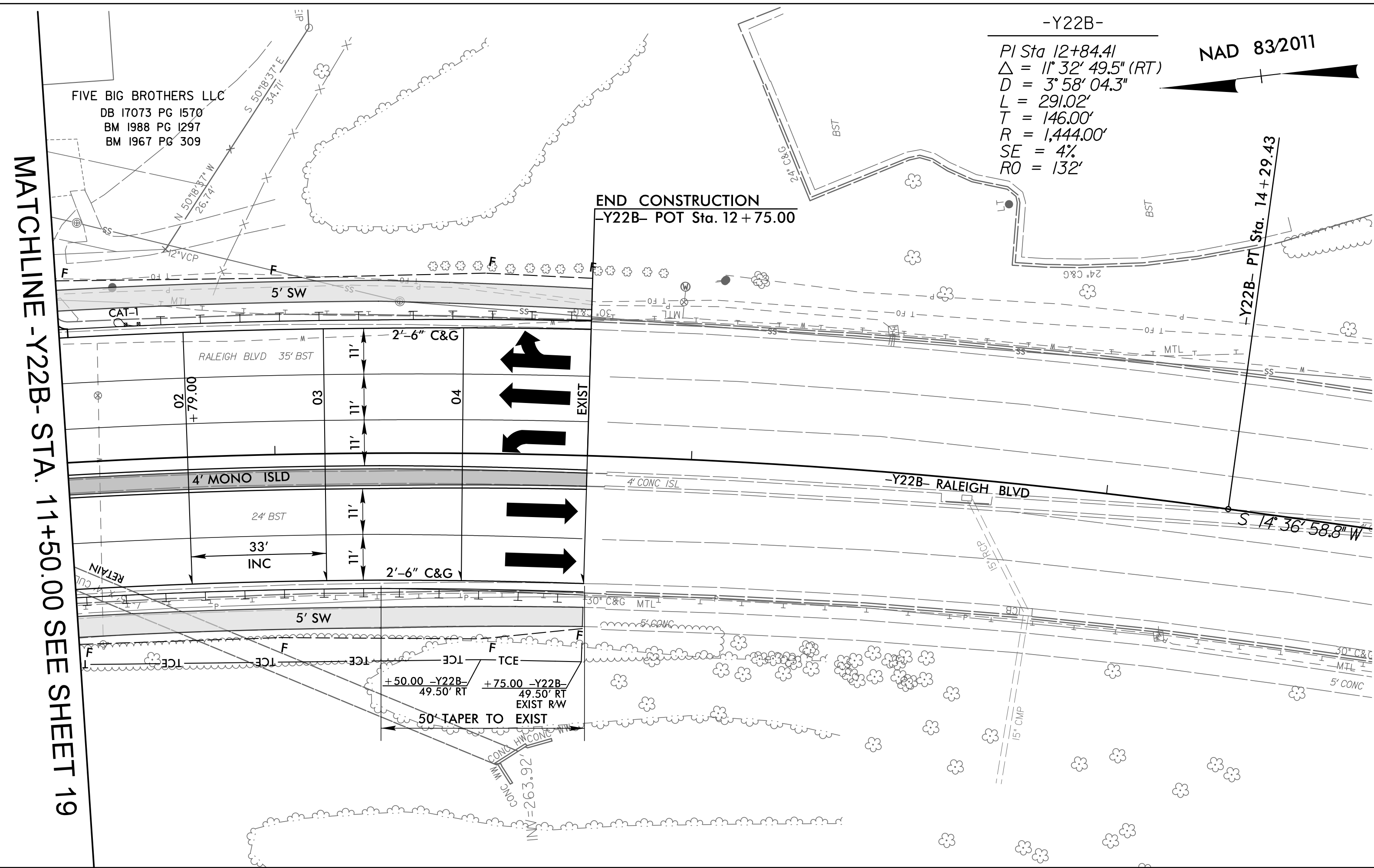
CHECKED BY: BPB

REVISIONS

NO.	DATE

SCALES
HSCALE 1"=20'

SHEET: 44

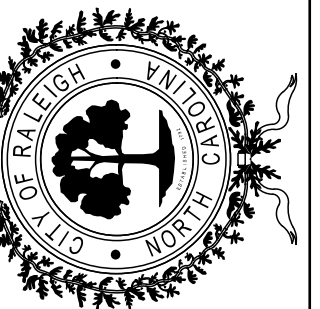


LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

NOTES:
 1. FOR -Y22B- PROFILE, SEE SHEET 115.
 2. FOR -Y28- PROFILE, SEE SHEET 118.
 3. ALL STREET TURNOUT RADII ARE 20'
 UNLESS OTHERWISE NOTED.

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 User: hntb\jph44



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

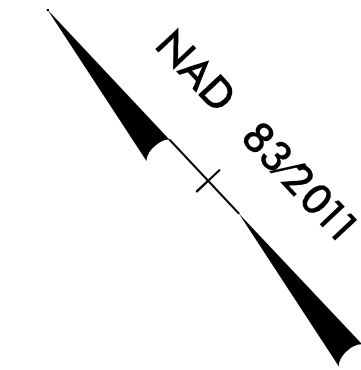
CHECKED BY: BPB

REVISIONS

NO.	DATE

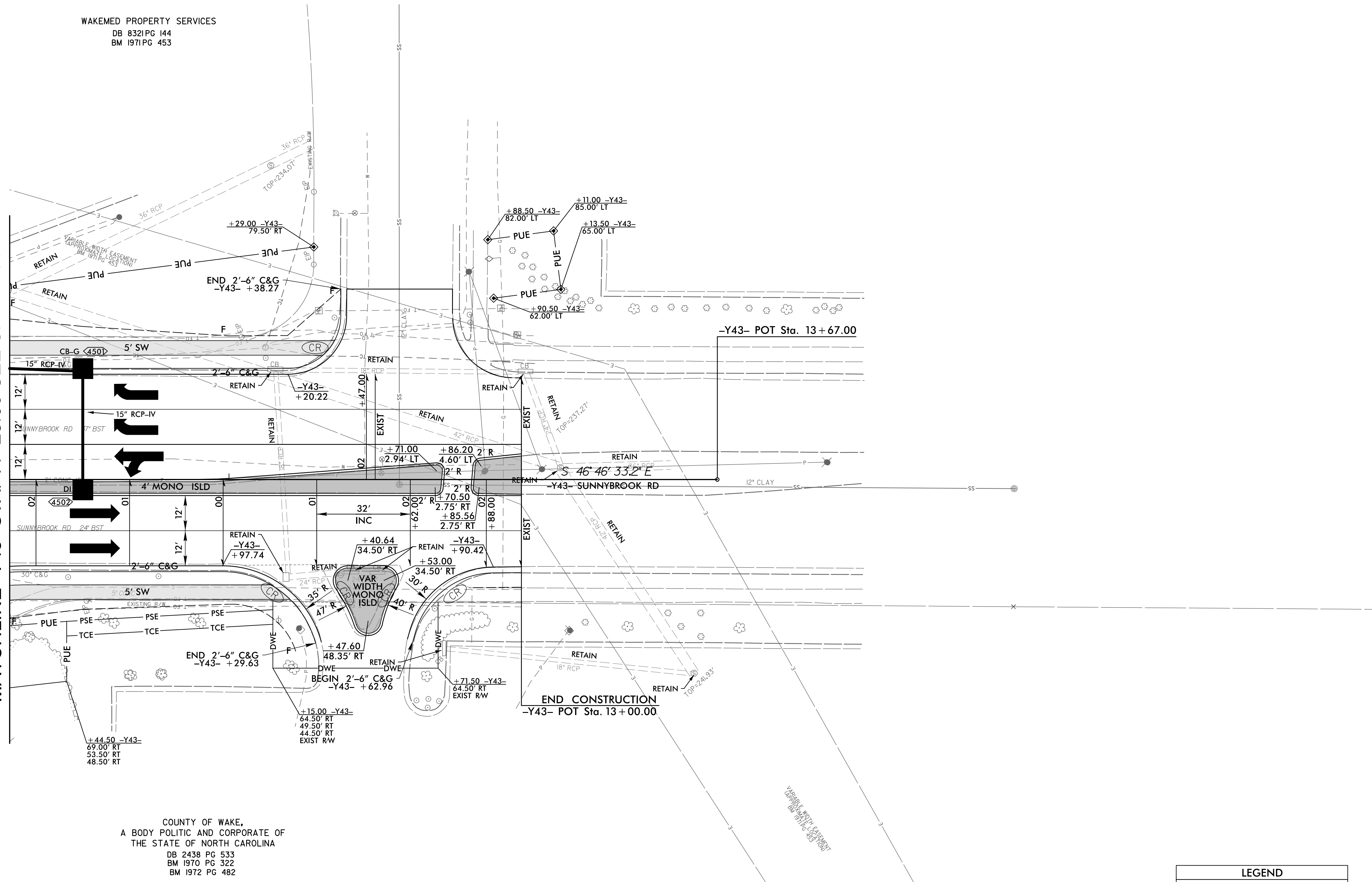
SCALES
HSCALE 1"=20'

SHEET: 45



WAKEMED PROPERTY SERVICES
 DB 8321 PG 144
 BM 1971 PG 453

MATCHLINE -Y43- STA. 11+25.00 SEE SHEET 35



COUNTY OF WAKE,
 A BODY POLITIC AND CORPORATE OF
 THE STATE OF NORTH CAROLINA
 DB 2438 PG 533
 BM 1970 PG 322
 BM 1972 PG 482

NOTES:
 1. FOR -Y43- PROFILE, SEE SHEET 125.
 2. ALL STREET TURNOUT RADII ARE 20'
 UNLESS OTHERWISE NOTED.

LEGEND	
CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

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HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN/PROFILE SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

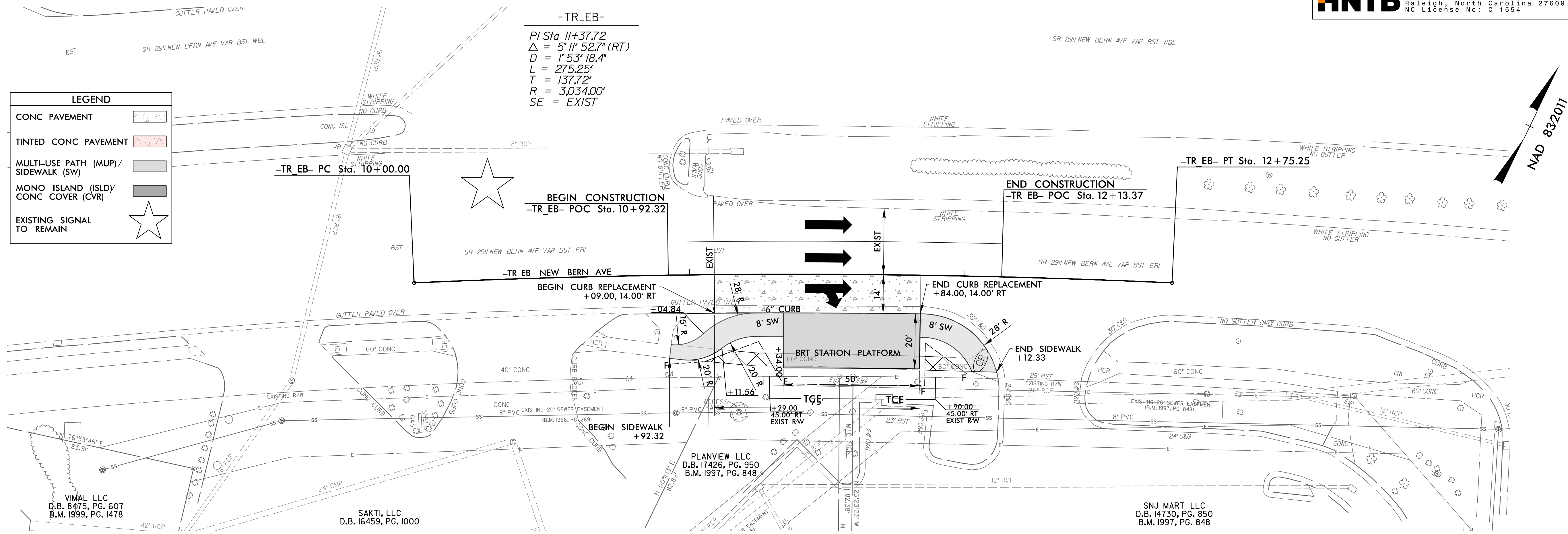
CHECKED BY: BPB

REVISIONS

NO. DATE

SCALES
HSCALE 1"=20'
VSCALE 1"=5'

SHEET: 46

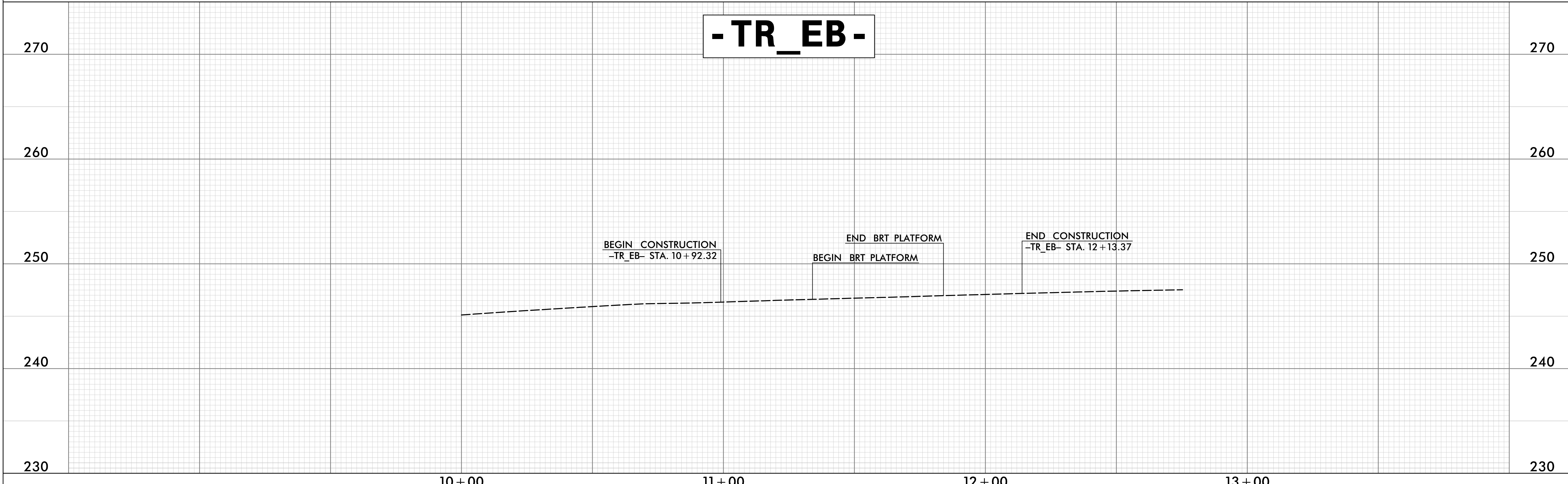


-TR_EB-
 PI Sta 11+37.72
 $\Delta = 5^\circ 11' 52.7" (RT)$
 $D = 1^\circ 53' 18.4"$
 $L = 275.25'$
 $T = 137.72'$
 $R = 3,034.00'$
 SE = EXIST

LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

- TR_EB -



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 JGIBSON

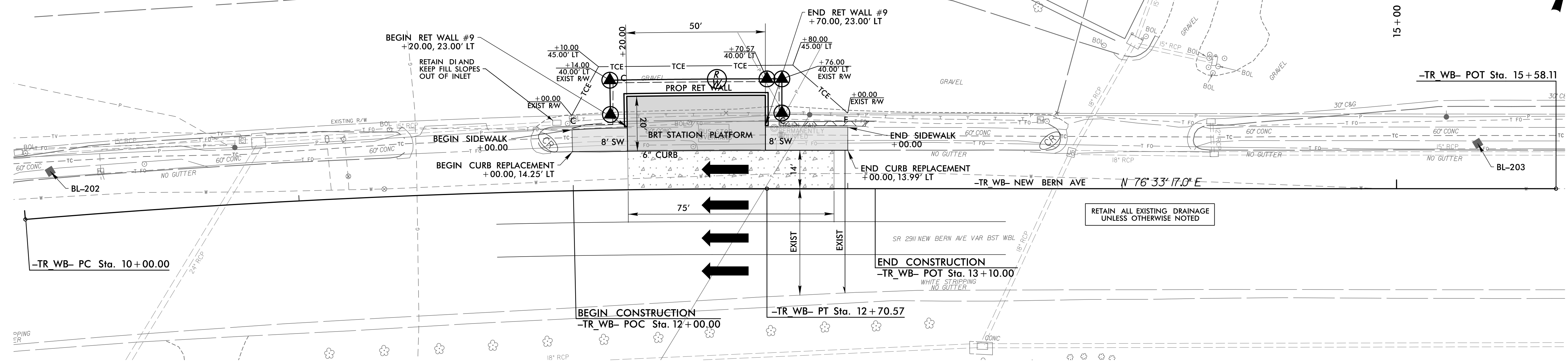
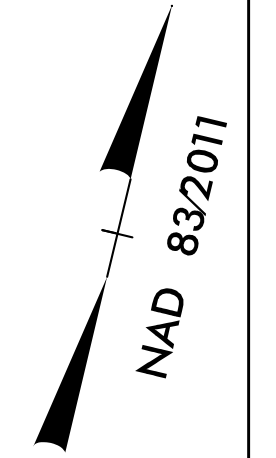
LEGEND

CONC PAVEMENT	
TINTED CONC PAVEMENT	
MULTI-USE PATH (MUP)/ SIDEWALK (SW)	
MONO ISLAND (ISLD)/ CONC COVER (CVR)	
EXISTING SIGNAL TO REMAIN	

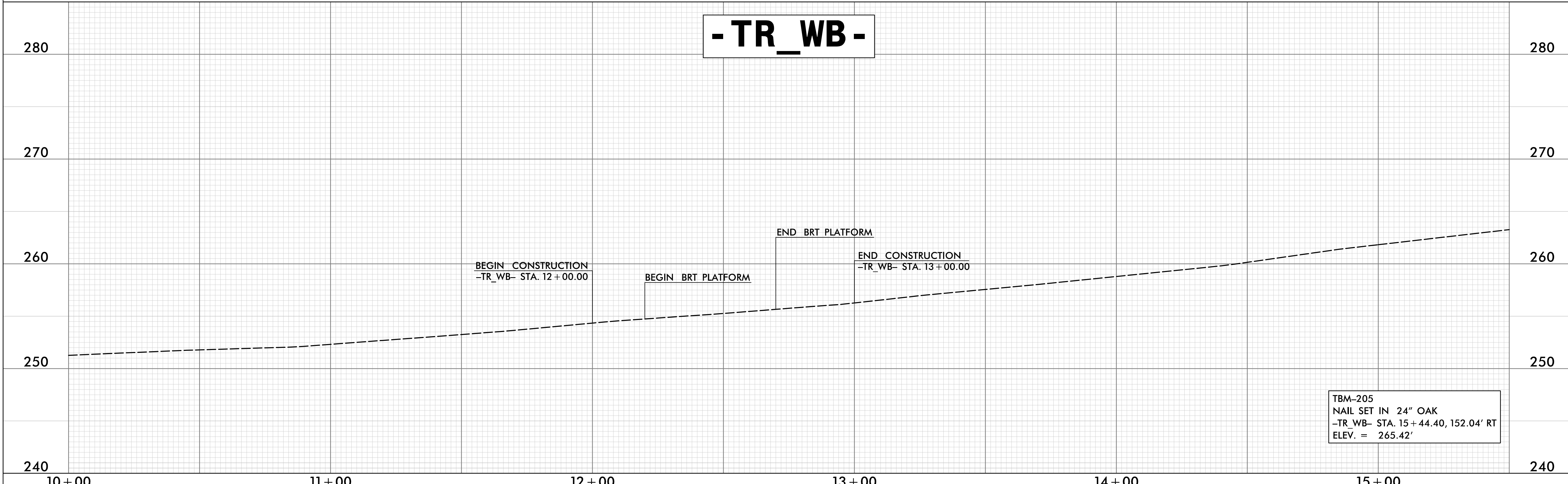
RICHARD B. TAYLOR, JR.
 D.B. 5314, PG. 389

-TR_WB-
 PI Sta 11+35.36
 $\Delta = 4' 44" 48.2" (RT)$
 $D = 1' 45" 15.5"$
 $L = 270.57'$
 $T = 135.36'$
 $R = 3,266.00'$
 SE = EXIST

RICHARD B. TAYLOR, JR.
 D.B. 2196, PG. 252



- TR_WB -



CITY OF RALEIGH
 ENGINEERING SERVICES
 DEPARTMENT

HYDRAULICS
 ENGINEER

ROADWAY DESIGN
 ENGINEER

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

PLAN/PROFILE SHEET

PROJECT:
 WAKE BRT
 NEW BERN AVE

DATE: 2/10/2022
 CADD TECH: TAR
 CHECKED BY: BPB

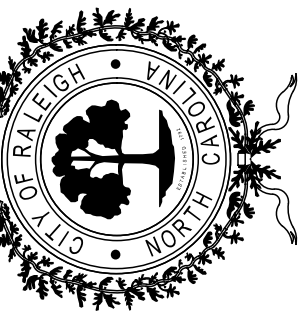
REVISIONS

NO.	DATE

SCALES
 HSCALE 1"=20'
 VSCALE 1"=5'

SHEET:
 47

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HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN/PROFILE SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

CHECKED BY: BPB

REVISIONS

NO. DATE

SCALES
HSCALE 1"=20'
VSCALE 1"=5'

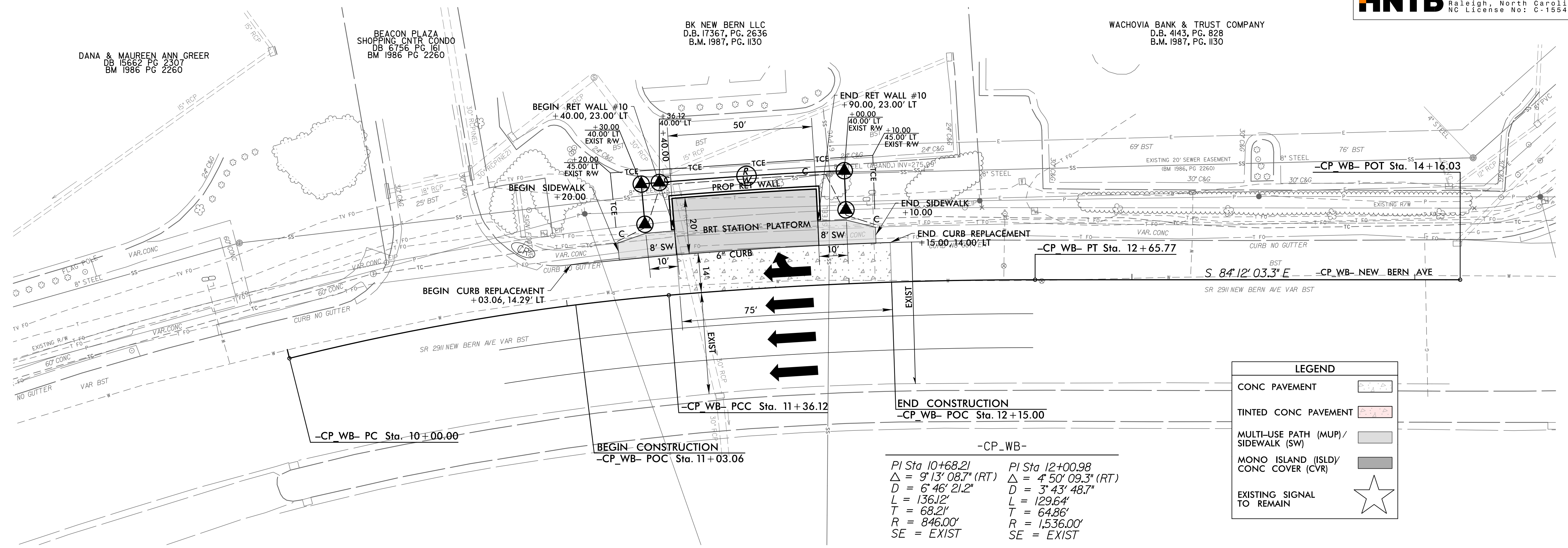
SHEET: 48

DANA & MAUREEN ANN GREER
DB 15662 PG 2307
BM 1986 PG 2260

BEACON PLAZA
SHOPPING CNTR CONDO
DB 6756 PG 161
BM 1986 PG 2260

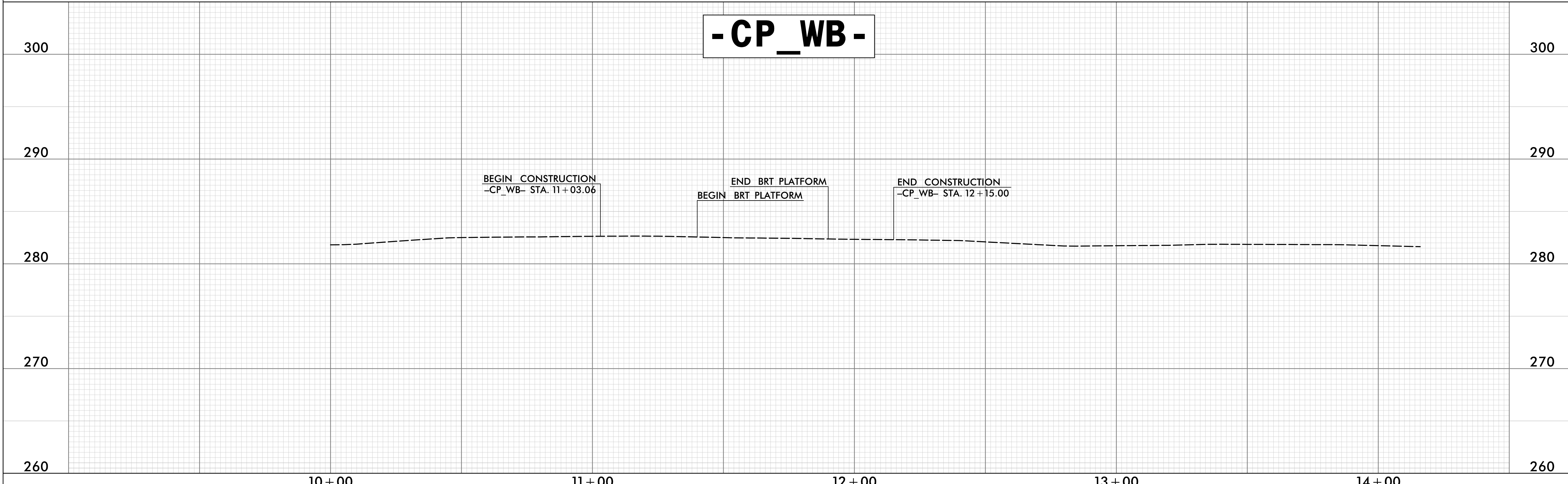
BK NEW BERN LLC
D.B. 17367, PG. 2636
B.M. 1987, PG. 1130

WACHOVIA BANK & TRUST COMPANY
D.B. 4143, PG. 828
B.M. 1987, PG. 1130

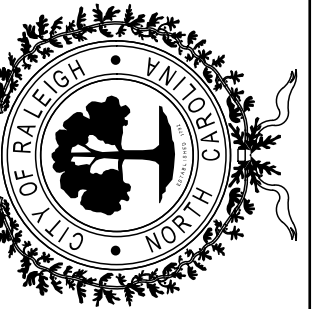


NAD 83/2011

- CP_WB -



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HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN/PROFILE SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

CHECKED BY: BPB

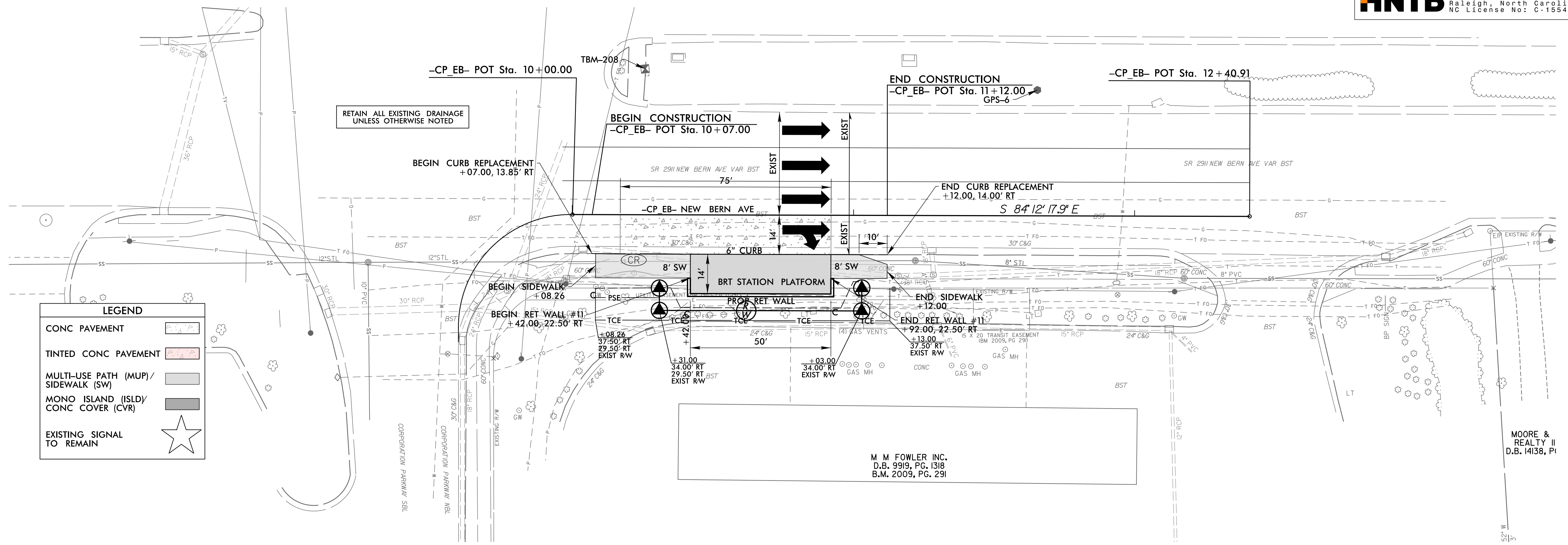
REVISIONS

NO. DATE

SCALES
HSCALE 1"=20'
VSCALE 1"=5'

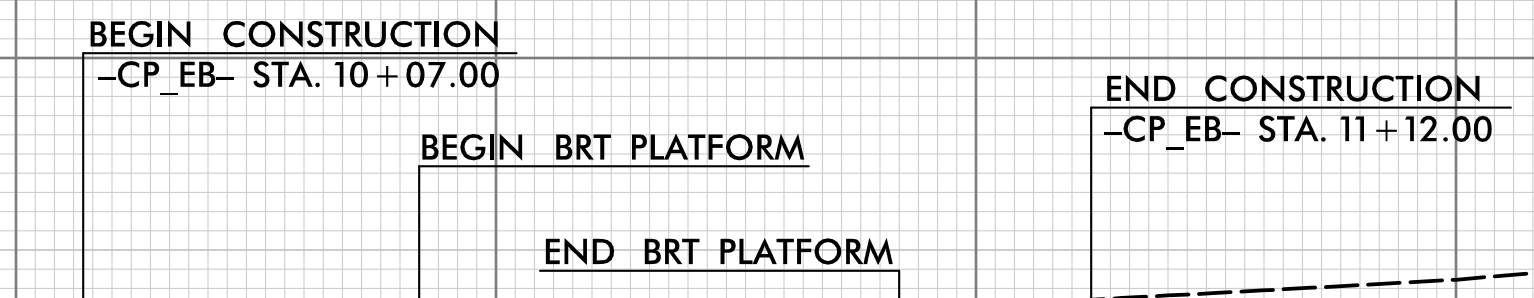
SHEET: 49

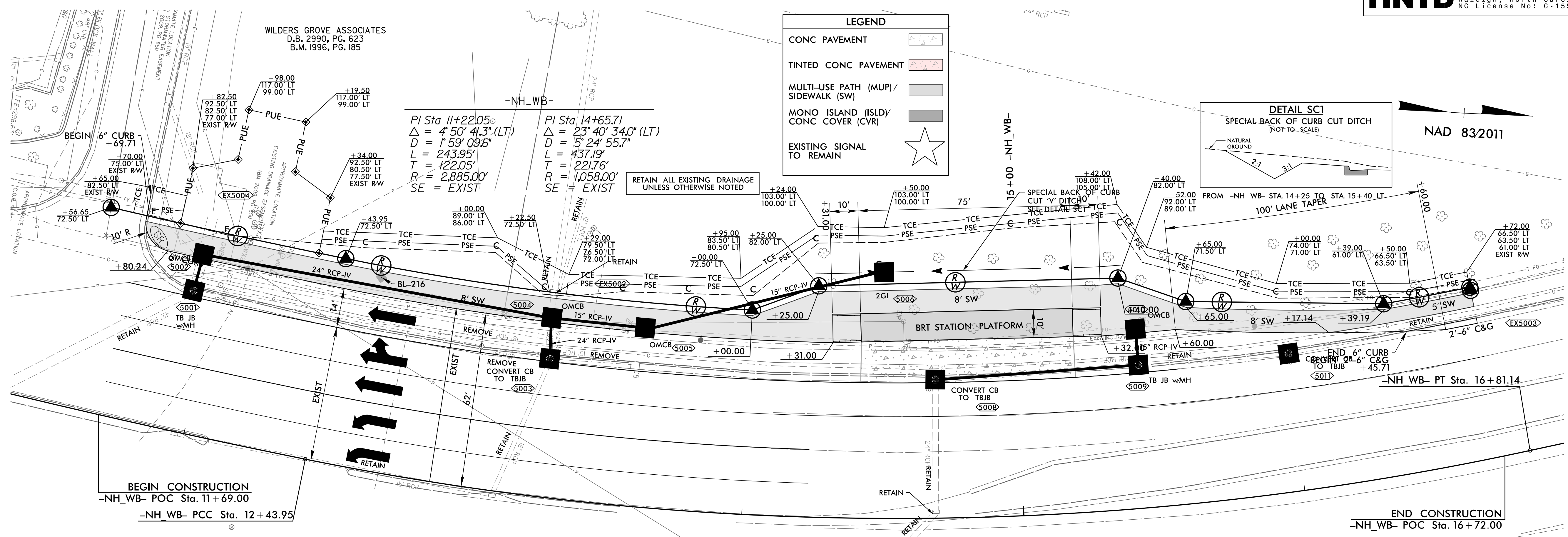
NAD 83/2011



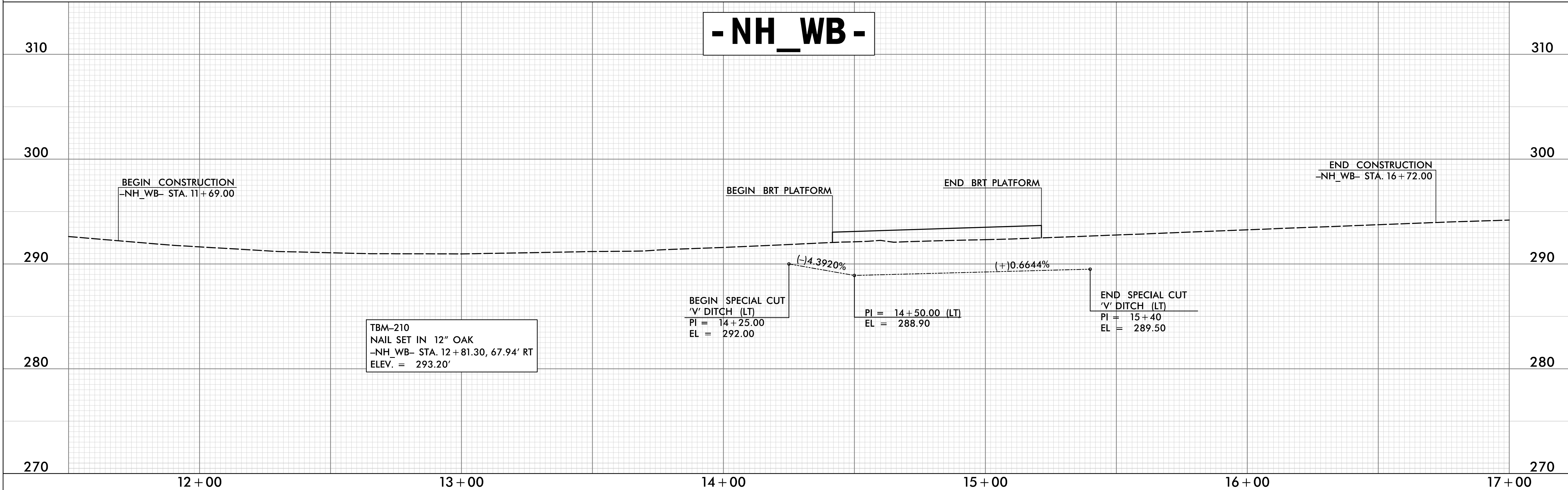
-CP_EB-

TBM-208
PK NAIL IN CONC
-CP_EB- STA. 10+25.67, 51.84' LT
ELEV. = 283.03'





- NH_WB -



HYDRAULICS ENGINEER
 ROADWAY DESIGN ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLAN/PROFILE SHEET

PROJECT: **WAKE BRT NEW BERN AVE**

DATE: 2/10/2022
 CADD TECH: TAR
 CHECKED BY: BPB
 REVISIONS
 NO. DATE

SCALES
 HSCALE 1"=20'
 VSCALE 1"=5'
 SHEET: 50



HYDRAULICS
ENGINEER

ROADWAY DESIGN
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN/PROFILE SHEET

PROJECT:
WAKE BRT
NEW BERN AVE

DATE: 2/10/2022

CADD TECH: TAR

CHECKED BY: BPB

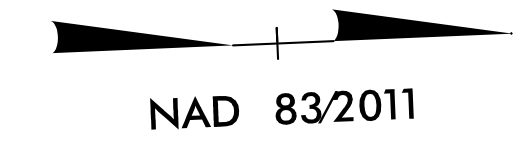
REVISIONS

NO. DATE

NO.	DATE

SCALES
HSCALE 1"=20'
VSCALE 1"=5'

SHEET: 51



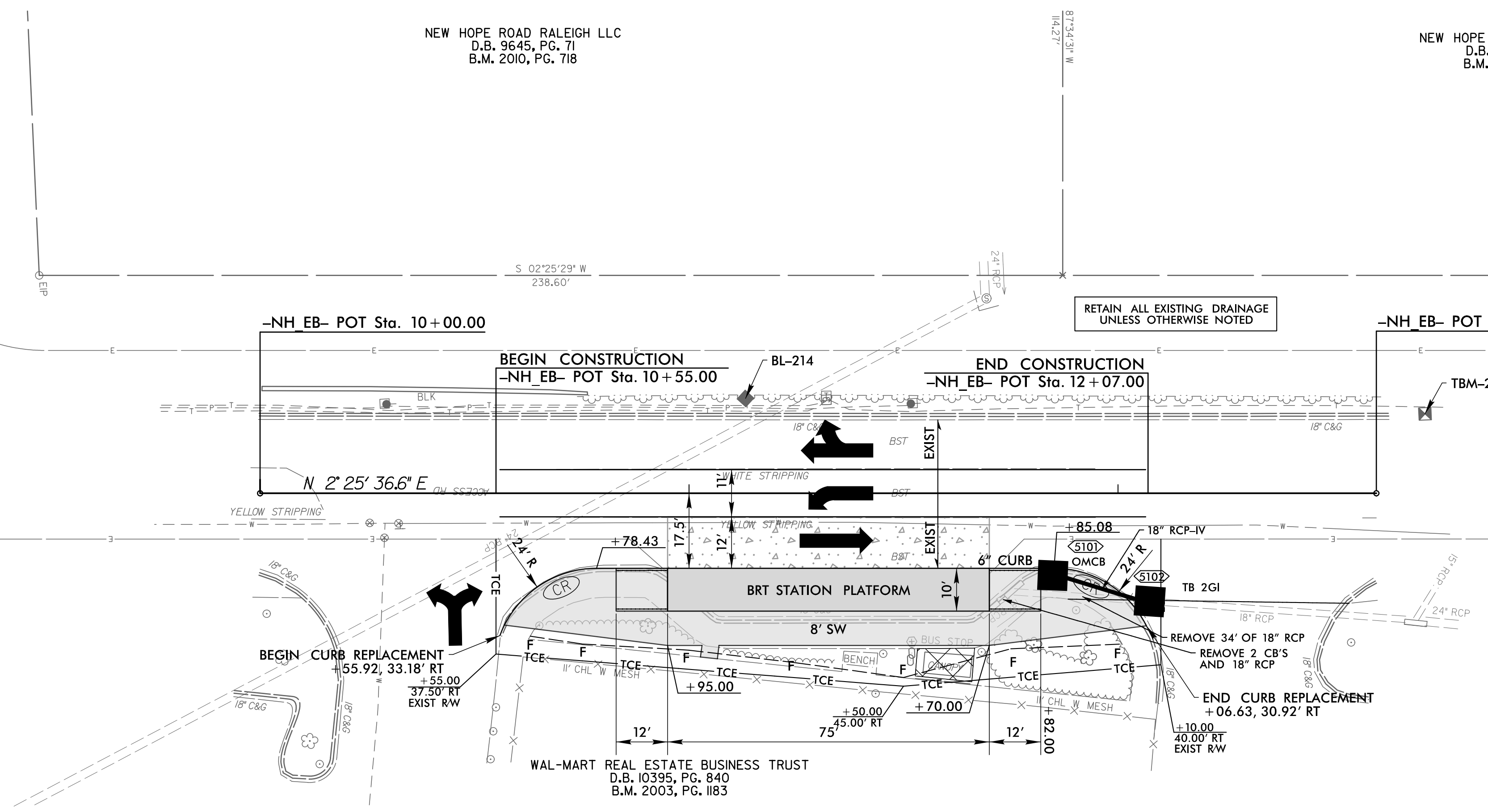
NEW HOPE ROAD RALEIGH LLC
 D.B. 9645, PG. 71
 B.M. 2010, PG. 718

NEW HOPE ROAD RALEIGH LLC
 D.B. 9645, PG. 71
 B.M. 2010, PG. 718

MURPHY OIL
 COMPANY INC.
 D.B. 12873, PG. 2716
 B.M. 2003, PG. 1183

APPROXIMATE LOCATION OF
 ACCESS & TRAVEL EASEMENT
 (SEE BOOK 0393, PAGE 153)

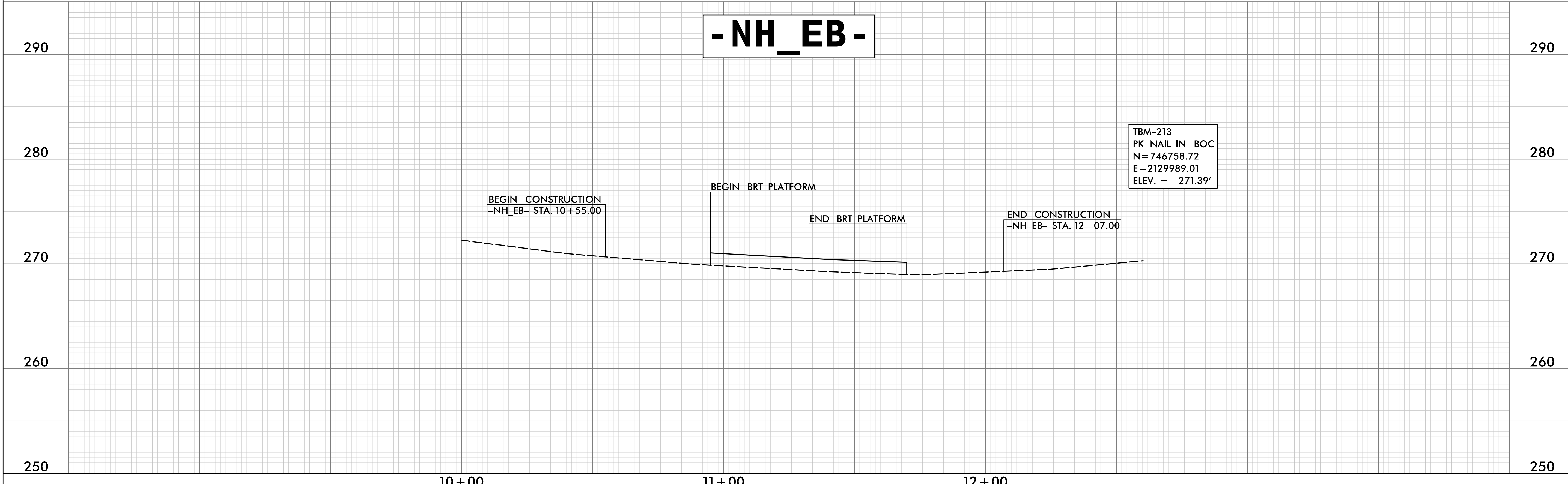
APPROXIMATE LOCATION OF
 ACCESS & TRAVEL EASEMENT
 (SEE BOOK 0393, PAGE 153)



LEGEND

- CONC PAVEMENT
- TINTED CONC PAVEMENT
- MULTI-USE PATH (MUP)/
SIDEWALK (SW)
- MONO ISLAND (ISLD)/
CONC COVER (CVR)
- EXISTING SIGNAL
TO REMAIN

- NH_EB -



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