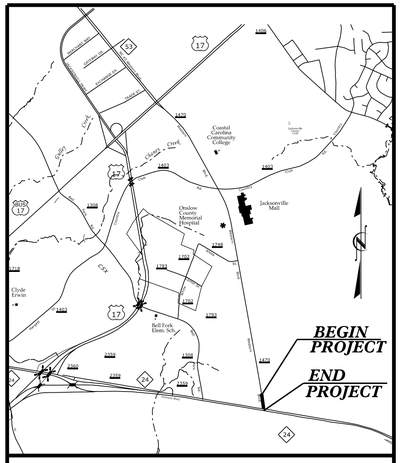
01/16/24

TIP PROJECT: U-5508

CONTRACT:

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



VICINITY MAP (NTS)

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ONSLOW COUNTY

LOCATION: *NC 24 (LEJEUNE BLVD.) AT NC 53 (WESTERN BLVD.) IN JACKSONVILLE. UPGRADE INTERSECTION AND DRAINAGE*

TYPE OF WORK: *GRADING, DRAINAGE, AND PAVING*

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5508	1	

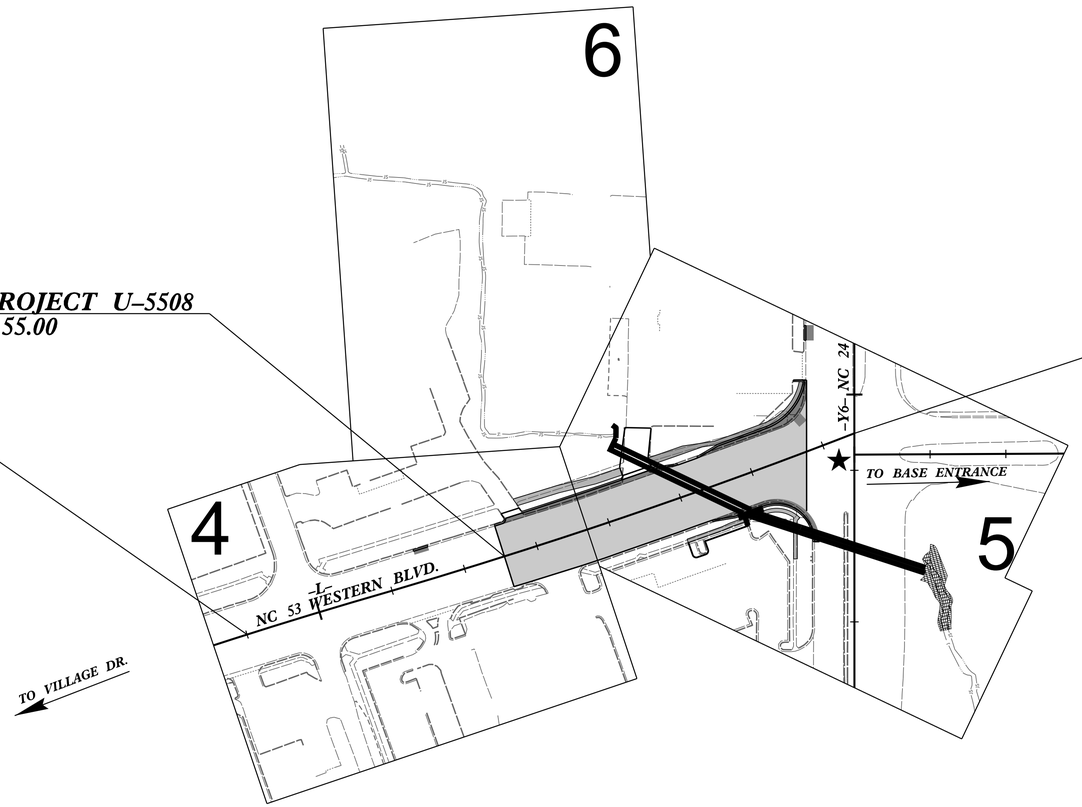
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
U-5508	50015.1.2	PE
U-5508	50015.2.2	UTL
U-5508	50015.2.3	ROW



INTERIM DESIGN SUBMITTAL FOR IMD

SUBMITTAL

NAD 83/
NA 2011



BEGIN TIP PROJECT U-5508
-L1- STA. 212+55.00

BEGIN CONSTRUCTION U-5508
-L1- STA. 209+00.00

END TIP PROJECT U-5508
-L- STA. 217+44.65 =
-Y6- STA. 30+51.25

★ UPGRADE SIGNAL

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF JACKSONVILLE
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III MODIFIED.

GRAPHIC SCALES

20 10 0 20 40
PLANS

20 10 0 20 40
PROFILE (HORIZONTAL)

4 2 0 4 8
PROFILE (VERTICAL)

DESIGN DATA

ADT 2030 = 21,770
ADT 2050 = 27,600
K = 7 %
D = 55 %
T = 3 % *
V = 40 MPH
* TTST = 1% DUAL 2%
FUNC CLASS =
PRINCIPAL ARTERIAL

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT U-5508 = 0.093 MILES

TOTAL LENGTH OF TIP PROJECT U-5508 = 0.093 MILES

Prepared in the Office of:
ETHERILL ENGINEERING
1223 Jones Franklin Rd. Raleigh, N.C. 27606
License No. F-0377
Bus: 919.851.8077 Fax: 919.851.8107

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JULY 14, 2027

LETTING DATE:
JANUARY 15, 2030

Prepared for:
DIVISION OF HIGHWAYS
DIVISION 3
5501 Barbados Boulevard
Castle Hayne, NC 28429

FARRELL NICHOLSON, PE
PROJECT ENGINEER

GRAY MODLIN, PE
PROJECT DESIGN ENGINEER

ZACH HOWARD, PE
NCDOT CONTACT

HYDRAULICS ENGINEER

P.E.
SIGNATURE:

ROADWAY DESIGN ENGINEER

P.E.
SIGNATURE:

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

U-5508
RDY | IA
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2A-1	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B-1 THRU 2B-9	ROADWAY DETAILS
2C-1 THRU 2C-5	SPECIAL DETAILS
3B-1	ROADWAY SUMMARIES
3D-1 THRU 3D-2	DRAINAGE SUMMARIES
4 THRU 7	PLAN AND PROFILE SHEET
TMP-1 THRU TMP-6	TRAFFIC MANAGEMENT PLANS
PMSP-1 THRU PMSP-3	PAVEMENT MARKING AND SIGNING PLANS
EC-1 THRU EC-11	EROSION CONTROL PLANS
SIG-1.0 THRU SIG-3.2	SIGNAL PLANS
UC-1 THRU UC-5	UTILITIES CONSTRUCTION PLANS
UO-1 THRU UO-4	UTILITIES BY OTHERS PLANS
X-1A	CROSS-SECTION SUMMARY SHEET
X-1 THRU X-8	CROSS-SECTIONS

2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings"
Contracts Standards and Development Unit -
N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024
are applicable to this project
and by reference hereby are considered a part of these plans:

STD.NO. TITLE

DIVISION 2 - EARTHWORK
200.03 Method of Clearing - Modified Method III
225.02 Guide for Grading Subgrade - Secondary and Local
225.04 Method of Obtaining Superelevation - Two Lane Pavement
225.06 Method of Grading Sight Distance at Intersections

DIVISION 3 - PIPE CULVERTS
300.01 Method of Pipe Installation (Use Details in Lieu of Standards for Sheets 1 and 2 of 2)
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS
560.01 Method of Shoulder Construction - High Side of Superelevated Curve - Method I

DIVISION 6 - ASPHALT BASES AND PAVEMENTS
654.01 Pavement Repairs

DIVISION 8 - INCIDENTALS
840.02 Concrete Catch Basin - 12" thru 54" Pipe
840.03 Frame, Grates and Hood - for Use on Standard Catch Basin
840.17 Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe
840.24 Frames and Narrow Slot Sag Grates
840.31 Concrete Junction Box - 12" thru 66" Pipe
840.34 Traffic Bearing Junction Box - for Use with Pipes 42" and Under
840.54 Manhole Frame and Cover
840.66 Drainage Structure Steps
846.01 Concrete Curb, Gutter and Curb & Gutter
848.01 Concrete Sidewalk (Use Detail in Lieu of Standard for Sheet 1 of 1)
848.02 Driveway Turnout - Radius Type
848.04 Street Turnout
848.06 Curb Ramp (Use Details in Lieu of Standards for Sheets 9 and 10 of 13)
867.02 Steel Bollards
876.01 Rip Rap in Channels and Ditches

GENERAL NOTES: 2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

GRADE LINE:
GRADING AND SURFACING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY MODIFIED METHOD III.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 USING 3 FOOT RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE JOMEC (POWER); MCNC (COMM);

BRIGHTSPEED (COMM); SEGRA (COMM); CHARTER (COMM); CROWN CASTLE (COMM);

METRONET (COMM); NCDOT (COMM); CITY OF JACKONSVILLE (WATER & SEWER)

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.06.

05/20/24

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

U-5508 | RDY | IB

Note: Not to Scale

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin (EIP)
- Computed Property Corner
- Existing Concrete Monument (ECM)
- Parcel / Sequence Number
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary
- Proposed Wetland Boundary
- Existing Endangered Animal Boundary
- Existing Endangered Plant Boundary
- Existing Historic Property Boundary
- Known Contamination Area: Soil
- Potential Contamination Area: Soil
- Known Contamination Area: Water
- Potential Contamination Area: Water
- Contaminated Site: Known or Potential

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign
- Well
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

HYDROLOGY:

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

RAILROADS:

- Standard Gauge
- RR Signal Milepost
- Switch
- RR Abandoned
- RR Dismantled

RIGHT OF WAY & PROJECT CONTROL:

- Primary Horiz Control Point
- Primary Horiz and Vert Control Point
- Secondary Horiz and Vert Control Point
- Vertical Benchmark
- Existing Right of Way Monument
- Proposed Right of Way Monument (Rebar and Cap)
- Proposed Right of Way Monument (Concrete)
- Existing Permanent Easement Monument
- Proposed Permanent Easement Monument (Rebar and Cap)
- Existing C/A Monument
- Proposed C/A Monument (Rebar and Cap)
- Proposed C/A Monument (Concrete)
- Existing Right of Way Line
- Proposed Right of Way Line
- Existing Control of Access Line
- Proposed Control of Access Line
- Proposed ROW and CA Line
- Existing Easement Line
- Proposed Temporary Construction Easement
- Proposed Temporary Drainage Easement
- Proposed Permanent Drainage Easement
- Proposed Permanent Drainage/Utility Easement
- Proposed Permanent Utility Easement
- Proposed Temporary Utility Easement
- Proposed Aerial Utility Easement

ROADS AND RELATED FEATURES:

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

VEGETATION:

- Single Tree
- Single Shrub
- Hedge
- Woods Line
- Orchard
- Vineyard

EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert
- Bridge Wing Wall, Head Wall and End Wall

MINOR:

- Head and End Wall
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB
- Paved Ditch Gutter
- Storm Sewer Manhole
- Storm Sewer

UTILITIES:

** SUE - Subsurface Utility Engineering*
LOS - Level of Service - A,B,C or D (Accuracy)

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 Test Hole (SUE - LOS A)*
- U/G Power Line (SUE - LOS B)*
- U/G Power Line (SUE - LOS C)*
- U/G Power Line (SUE - LOS D)*

TELEPHONE:

- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole
- Telephone Pedestal
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole
- U/G Telephone Test Hole (SUE - LOS A)*
- U/G Telephone Cable (SUE - LOS B)*
- U/G Telephone Cable (SUE - LOS C)*
- U/G Telephone Cable (SUE - LOS D)*
- U/G Telephone Conduit (SUE - LOS B)*
- U/G Telephone Conduit (SUE - LOS C)*
- U/G Telephone Conduit (SUE - LOS D)*
- U/G Fiber Optics Cable (SUE - LOS B)*
- U/G Fiber Optics Cable (SUE - LOS C)*
- U/G Fiber Optics Cable (SUE - LOS D)*

WATER:

- Water Manhole
- Water Meter
- Water Valve
- Water Hydrant
- U/G Water Line Test Hole (SUE - LOS A)*
- U/G Water Line (SUE - LOS B)*
- U/G Water Line (SUE - LOS C)*
- U/G Water Line (SUE - LOS D)*
- Above Ground Water Line

TV:

- TV Pedestal
- TV Tower
- U/G TV Cable Hand Hole
- U/G TV Test Hole (SUE - LOS A)*
- U/G TV Cable (SUE - LOS B)*
- U/G TV Cable (SUE - LOS C)*
- U/G TV Cable (SUE - LOS D)*
- U/G Fiber Optic Cable (SUE - LOS B)*
- U/G Fiber Optic Cable (SUE - LOS C)*
- U/G Fiber Optic Cable (SUE - LOS D)*

GAS:

- Gas Valve
- Gas Meter
- U/G Gas Line Test Hole (SUE - LOS A)*
- U/G Gas Line (SUE - LOS B)*
- U/G Gas Line (SUE - LOS C)*
- U/G Gas Line (SUE - LOS D)*
- Above Ground Gas Line

SANITARY SEWER:

- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line
- Above Ground Sanitary Sewer
- SS Force Main Line Test Hole (SUE - LOS A)*
- SS Force Main Line (SUE - LOS B)*
- SS Force Main Line (SUE - LOS C)*
- SS Force Main Line (SUE - LOS D)*

MISCELLANEOUS:

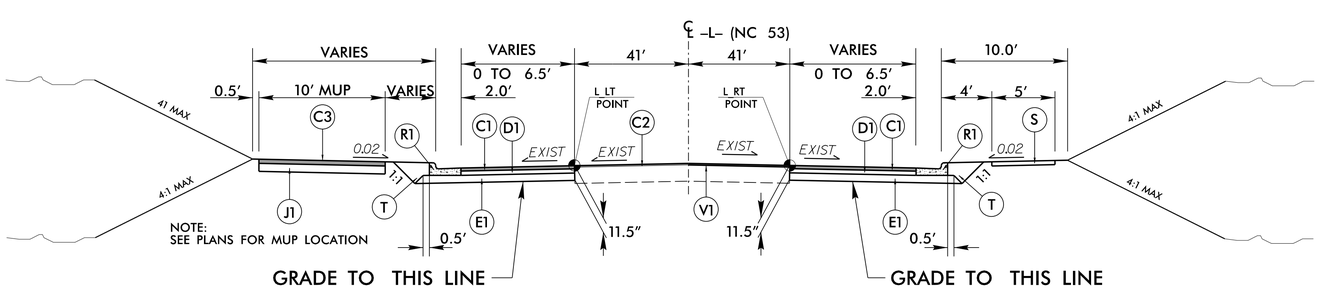
- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box
- Utility Unknown U/G Line (SUE - LOS B)*
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc.
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- Abandoned According to Utility Records
- End of Information

11/14/23

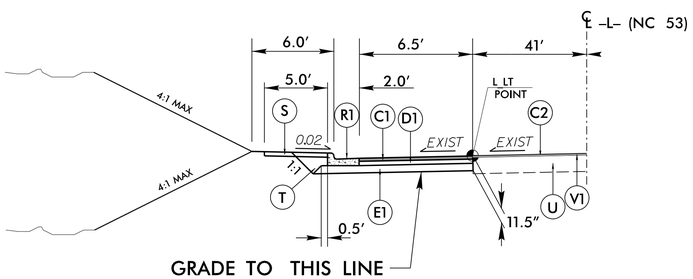
FINAL PAVEMENT SCHEDULE
(8-7-23)

C1	PROP. APPROX. 3″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	R1	2′-6″ CONCRETE CURB AND GUTTER.
C2	PROP. APPROX. 1½″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	R2	9″x18″ CONCRETE CURB.
C3	PROP. APPROX. 2″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.	S	4″ CONCRETE SIDEWALK.
D1	PROP. APPROX. 4″ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	T	EARTH MATERIAL.
E1	PROP. APPROX. 4½″ ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 513 LBS. PER SQ. YD.	U	EXISTING PAVEMENT.
J1	6″ AGGREGATE ABSE COURSE	V1	1½″ MILLING
R1	2′-6″ CONCRETE CURB AND GUTTER.		

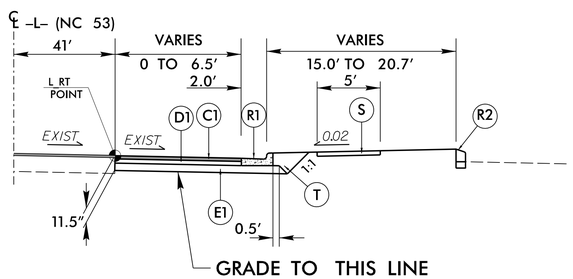
NOTE: ALL EOP SLOPES ARE 1:1 UNLESS OTHERWISE SHOWN.



TYPICAL SECTION NO. 1
–L– STA. 212+55.00 TO 216+50.00

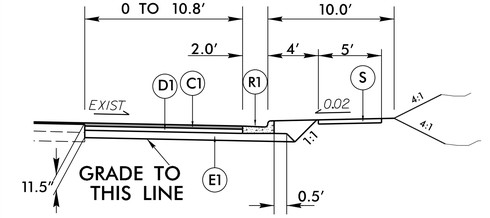


DETAIL NO. 1
SEE PLANS FOR LOCATION



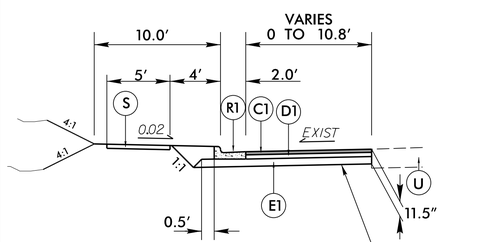
DETAIL NO. 2
SEE PLANS FOR LOCATION

INTERSECTION WIDENING DETAIL
NOTE: TO BE USED AT –L– & –Y6– INTERSECTION



–L– STA. 216+50.00 TO 216+77.21
–Y6– STA. 29+80.00 TO 30+39.00 RT
–Y6– STA. 31+40.00 TO 31+94.16 RT

CURB REPAIR



–L– STA. 216+50.00 TO 216+77.21
–Y6– STA. 29+80.00 TO 30+39.00 RT
–Y6– STA. 31+40.00 TO 31+94.16 RT

U-5508
RWPS | 2A-1

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ONSLOW COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PAVEMENT DESIGN ENGINEER

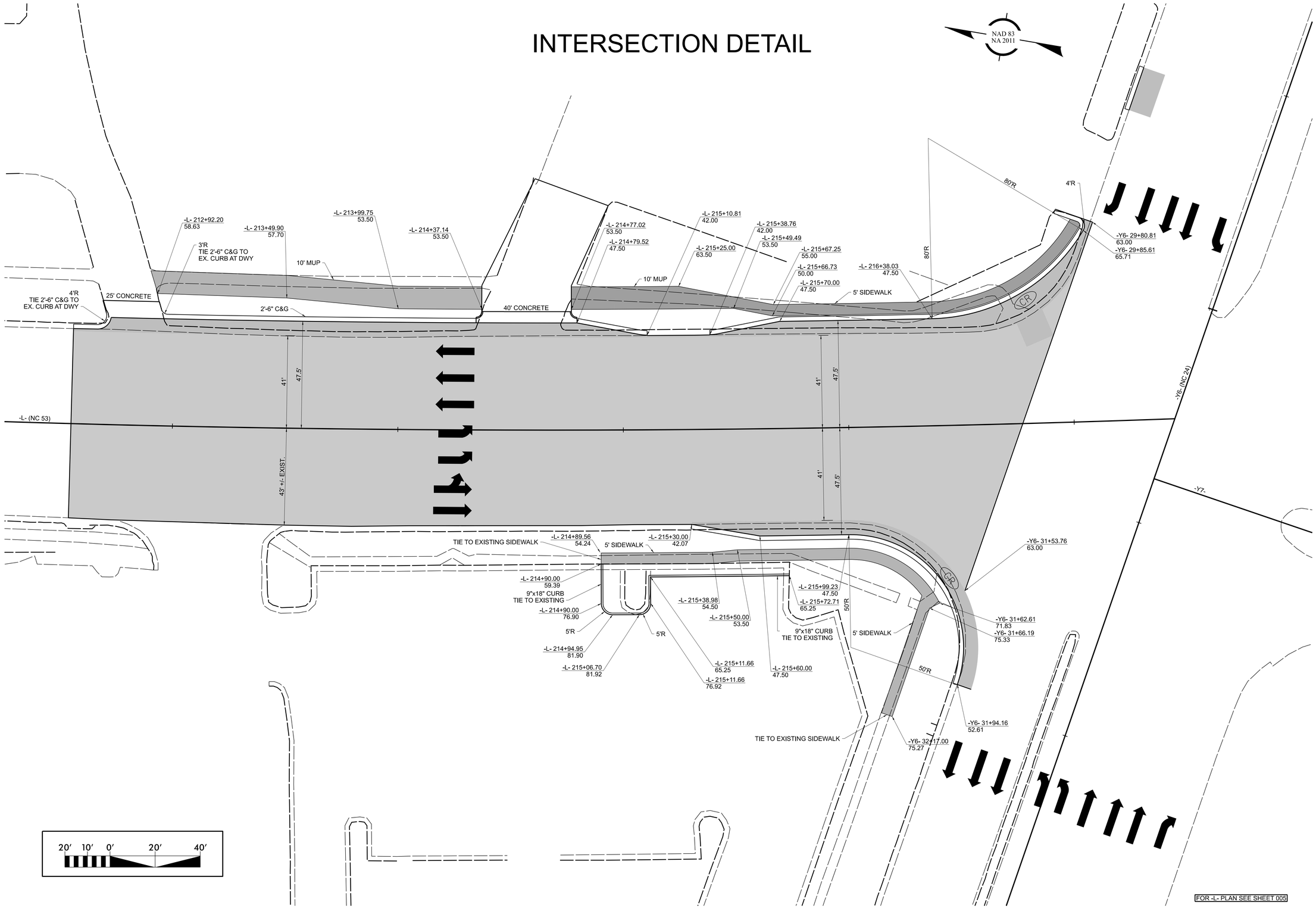
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PREPARED BY

ETHERIDGE ENGINEERING
1223 Jones Franklin Rd, Raleigh, N.C. 27606
(Mailing Po. Box 1429)
Bus: 919.851.6077 Fax: 919.851.5107

REVISIONS

INTERSECTION DETAIL



FOR -L- PLAN SEE SHEET 005

U-5508

RDY | 2B-1

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ONSLOW COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

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HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PREPARED BY

WETHERILL ENGINEERING
1223 Jones Franklin Rd, Raleigh, N.C. 27606
Mailing Address: Po Box 17687, Raleigh, N.C. 27619
Bus: 919.851.6077 Fax: 919.851.5107

REVISIONS

11/14/23

MATCHLINE SEE SHEET 006

NAD 83
NA 2011

OF DEMOLISHED BUILDING

DANIEL G KAMIN BRYNN
DB 1374 PG 258
111

SOUND SIDE PROPERTY MANAGEMENT, LLC
DB 3640 PG 661
112

OWL PROPERTIES OF JACKSONVILLE III LLC
DB 4589 PG 666
MB 72 PG 144
113

-L- +01.89
110.36 (LT)

-L- +54.75
110.81 (LT)

-L- +01.96
93.89 (LT)

-L- +13.80
111.83 (LT)

-L- +32.81
114.86 (LT)

-L- +87.43
120.39 (LT)

-L- +16.79
112.36 (LT)

PUE

BEGIN TIP PROJECT U-5508
-L- POC 212+55.00

-L- PRC 210+71.69

BEGIN CONSTRUCTION U-5508
-L- POC STA. 209+00.00

MATCHLINE -L- STA 213+70.00 SEE SHEET 005

FOR -L- PROFILE, SEE SHEET 007

PAUL D & SANDRA IVEY
DB 2174 PG 815
3

JACKSONVILLE BK LLC
DB 4246 PG 418
MB 27 PG 10

WEI FENG XIE, et ux
DB 3688 PG 728
MB 33 PG 23
64

CUR DATA -L-
PIc 208+65.73
Δc = 03°27'42.1" (LT)
D = 00°50'24.4"
Lc = 412.05
Tc = 206.09
R = 6,820
SE=EXIST.

CUR DATA -L-
PIc 214+07.12
Δc = 04°59'01.7" (RT)
D = 00°44'36.2"
Lc = 670.42
Tc = 335.42
R = 7,707.43
SE = EXIST.

RETAIN

REMOVE 56 LF OF 30" RCP
REPLACE 10' OF 2'-6" C&G

REMOVE DI 48" RCP-IV

REPAIR PAVEMENT AND C&G AS EEDED FOR CONSTRUCTION OF 0421

600 PAIR, CenturyLink
10' MUP

F/O, MCNC

F/O, SPIRIT Communications

Piedmont Natural Gas Company, Inc.

F/O, HDPE, City of Jacksonville

EXIST 0.029

EXIST 0.028

47.5'

41'

49.05 +/- EXIST.

10'

FULL DEPTH PAVEMENT LIMITS

RESURFACING LIMITS

U-5508
RDY | 004

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ONSLOW COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PREPARED BY

WETHERILL ENGINEERING
1223 Jones Franklin Rd, Raleigh, N.C. 27606
Phone: 919.851.6277
Bus: 919.851.6277 Fax: 919.851.6107

REVISIONS

U-5508

RDY	005

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ONSLOW COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

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HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

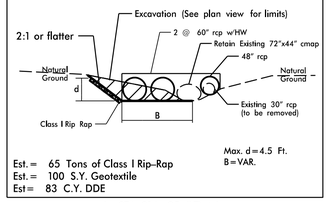
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PREPARED BY

WETHERILL ENGINEERING
1223 Jones Franklin Rd, Raleigh, N.C. 27606
Mailing Address: Po Box 20191
Bus: 919.851.6077 Fax: 919.851.5107

NAD 83
NA 2011

DETAIL 'B'
PIPE INLET CHANNEL
(Not to Scale)



Max. d=4.5 Ft.
B=VAR.

Est.= 65 Tons of Class I Rip-Rap
Est.= 100 S.Y. Geotextile
Est= 83 C.Y. DDE

-L- STA. 214+25 (LT) +/-

CUR DATA -L-
PIc 214+07.12
Δc = 04°59'01.7" (LT)
D = 00°44'36.2"
Lc = 670.42
Tc = 335.42
R = 7,707.43
SE = EXIST.

REPAIR PAVEMENT AND C&G AS NEEDED FOR CONSTRUCITON OF WATERLINE. CONTINGENCY AMOUNT SHOWN.

END CONSTR.
-L- POT 217+44.65

-L- PT 217+42.12

S11°44'25.5"E

-Y7-
S09°08'29.1"W

-Y6- POT 30+79.38=
-Y7- POT 10+00.00

-Y6- (NC 24)
N80°35'26.3"W

END RESURFACE
-L- POC 216+77.21

JAMIE K. LANIER
DB 3531 PG 301
MB 29 PG 67
MB 72 PG 127
MB 72 PG 144
114

OWL PROPERTIES OF JACKSONVILLE II LLC
DB 4589 PG 666
MB 72 PG 144
113

McDONALDS CORPORATION
DB 1374 PG 668
MB 33 PG 23
65

MATCHLINE -L- STA 213+70.00 SEE SHEET 004

MATCHLINE SEE SHEET 006

-L- +90.91
88.32 (LT)

-L- +65.31
97 (LT)

-L- +39.79
65.58 (LT)

-L- +00.00
66 (LT)

-L- +74.64
73.4 (LT)

-L- +62.00
128 (LT)

-L- +60.21
122.77 (LT)

CB 0419
CB 0418
CB 0417
2GI-A 0416
0415
0414
0411
0410
0409
0405
0404
0403

REMOVE 35 LF OF 15" RCP

TB JB w/SLAB LID 0420
RETAIN

REMOVE
REMOVE CB
REMOVE DI

LINE 72" x44" w/ CIPP LINER

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RETAIN JB
FLOWABLE FILL

SPECIAL JB w/ CATCH BASIN SEE SP. DETAIL

REMOVE 39 LF OF 15" RCP

TRENCHLESS INSTALLATION 60" WELDED STEEL

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TIE 15" RCP TO 0410 JB w/MH

RETAIN

RETAIN CB e0409

-L- +20.00
59.5 (RT)
REMOVE 23 LF OF 15" RCP
15" RCP III

-L- +20.00
72 (RT)

-L- +20.00
84 (RT)

-L- +90.00
59.5 (RT)

-L- +90.00
72 (RT)

-L- +40.00
80.74 (RT)

-L- +40.00
83.24 (RT)

-Y6- +16.52
111.5 (RT)

-Y6- +55.00
111.5 (RT)

-Y6- +55.00
81.5 (RT)

FUTURE OVERHEAD SIGN FOUNDATION

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HW SEE SP DETAIL

CLASS I RIP RAP SEE PIPE INLET CHANNNEL DETAIL B

CLASS I RIP RAP SEE PIPE OUTLET CHANNEL DETAIL A

CLASS I RIP RAP SEE PIPE OUTLET CHANNEL DETAIL C

EXISTING DUE

EXISTING DUE

DRAINAGE AND UTILITY EASEMENT PER DB 6453 PG 535-564

TCE DB 6453 PG 535-564 DB 5831 PG 330

EXISTING NCDOT 20' PERMANENT DRAINAGE EASEMENT DB 3514 PG 836 HOPE 836944 50 FT 0.0 AC

FULL DEPTH PAVEMENT LIMITS

RESURFACING LIMITS

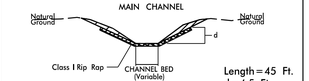
TRAFFIC SIGNAL MODIFICATION

FOR -L- PROFILE, SEE SHEET 007

FOR INTERSECTION DETAILS SEE SHEET 2B-1

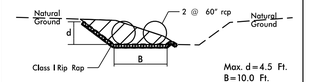
SEE SHEETS 2B-2 THRU 2B-9 FOR DRAINAGE STRUCTURE DETAILS

DETAIL 'A'
PIPE OUTLET CHANNEL
(Not to Scale)



Length=45 Ft.
d=4.5 Ft.

2 @ 60" RCP OUTLET
FROM OUTLET TO TIE IN WITH MAIN CHANNEL

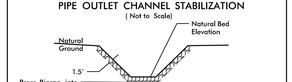


Max. d=4.5 Ft.
B=10.0 Ft.

Est.= 99 Tons of Class I Rip-Rap (Total)
Est.= 110 S.Y. Geotextile (Total)
Est= 36 C.Y. DDE (Total)

-Y6- STA. 32+34 (LT) +/-

DETAIL C
PIPE OUTLET CHANNEL STABILIZATION
(Not to Scale)



Length=60 Ft.
Est.=79 Tons of Class I Rip-Rap, Keyed-In

*Place Geotextile Under Riprap in Locations Directed by Engineer

FROM Y6 STA. 32+54 TO STA. 33+11 LT