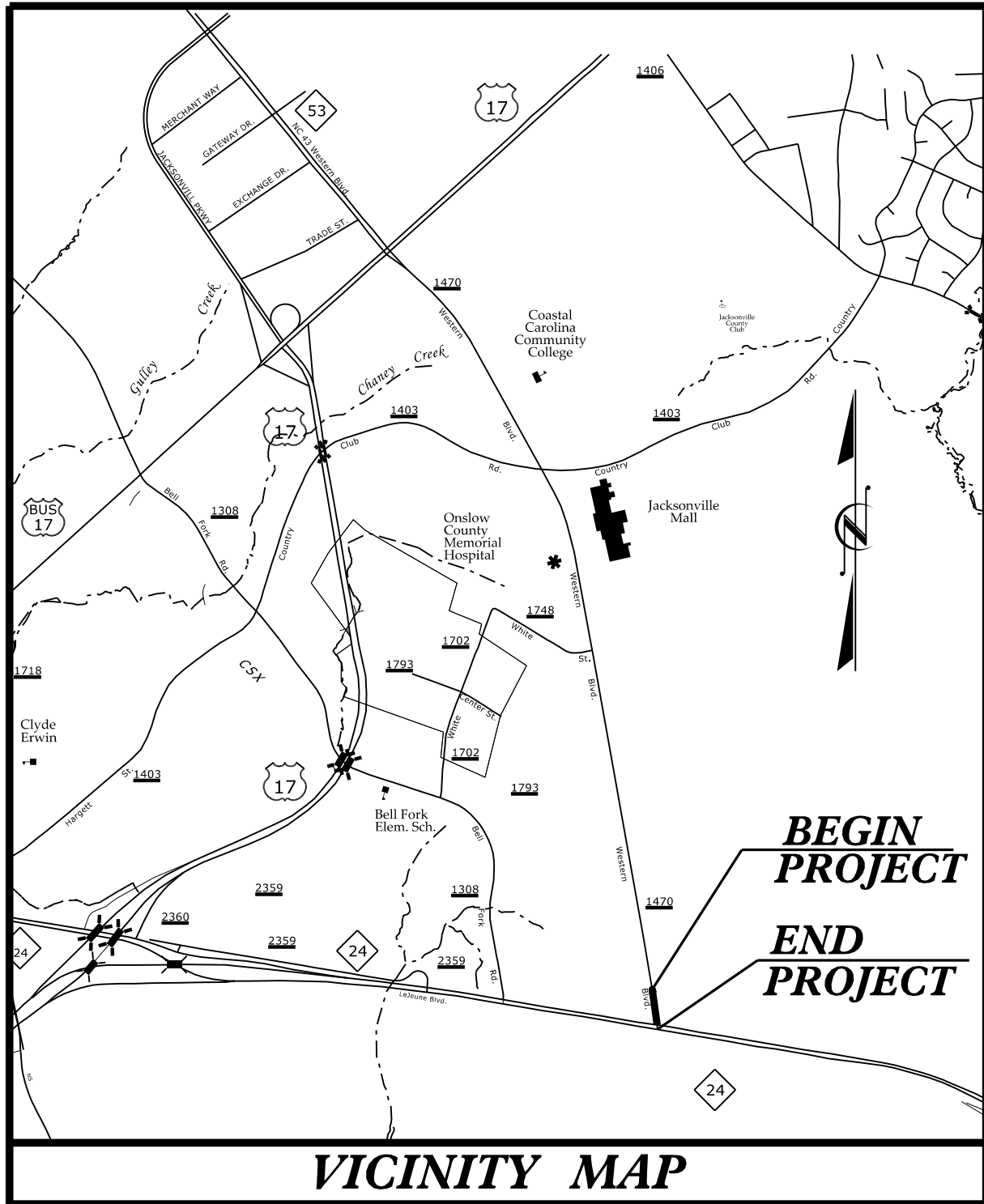


09/08/99

TIP PROJECT: U-5508

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



VICINITY MAP

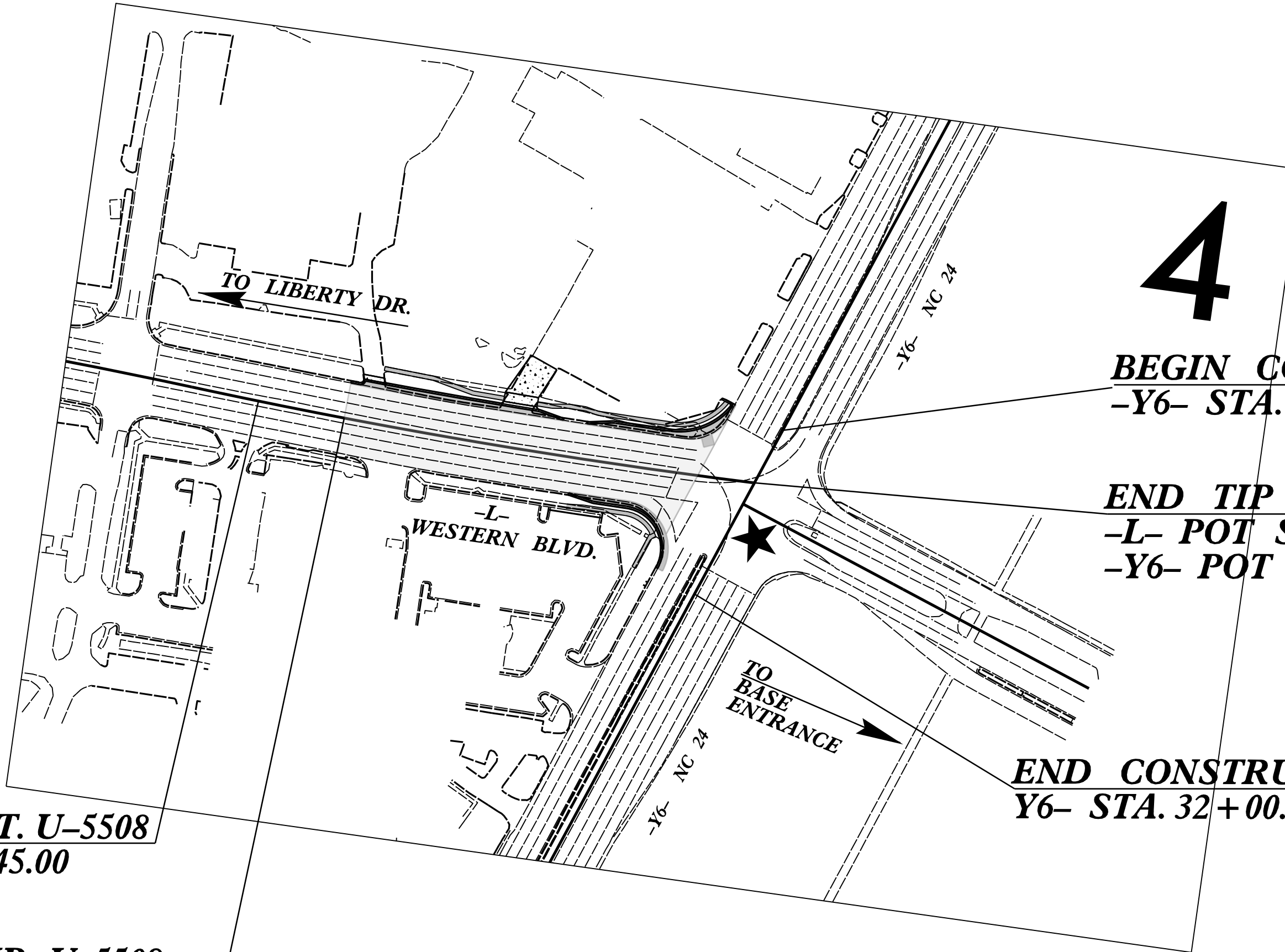
FIPS
SUBMITTAL

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, PAVING, CURB & GUTTER, AND SIDEWALK



4

BEGIN CONSTRUCTION
-Y6- STA. 29+80.00

END TIP U-5508
-L- POT Sta. 217+44.65 =
-Y6- POT Sta. 30+51.25

END CONSTRUCTION
Y6- STA. 32+00.00

BEGIN CONST. U-5508
-L- STA. 211+45.00

BEGIN TIP U-5508
-L- STA. 212+55.00

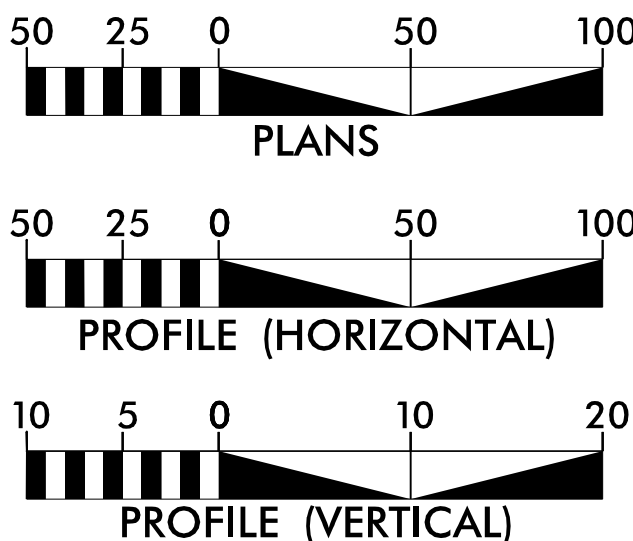
★ PROPOSED SIGNAL

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

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2025 = 26,350
ADT 2045 = 37,120
K = 7 %
D = 55 %
T = 3 % *
V = 40 MPH
* TTST = 1% DUAL 2%
FUNC CLASS =
"PRINCIPAL ARTERIAL"

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-5508 = 0.093 MILES
LENGTH STRUCTURE TIP PROJECT U-5508 = 0.00 MILES
TOTAL LENGTH TIP PROJECTS U-5508 = 0.093 MILES

Prepared in the Office of:
WETHERILL 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:
TBD

LETTING DATE:
TBD

NCDOT CONTACT:

Prepared for:
**DIVISION OF HIGHWAYS
DIVISION 3**

5501 Barbados Boulevard
Castle Hayne NC, 28249

GREG S. PURVIS, PE
PROJECT ENGINEER

FARRELL NICHOLSON, PE
PROJECT DESIGN ENGINEER

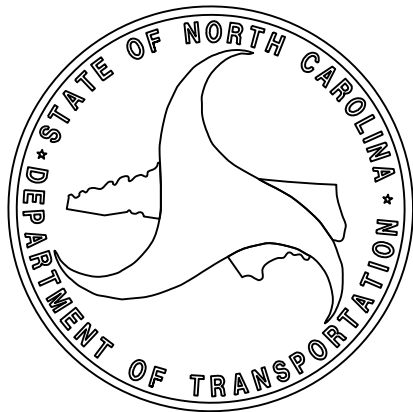
ZACH HOWARD, EI
DIVISION 3 CONTACT

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN
ENGINEER

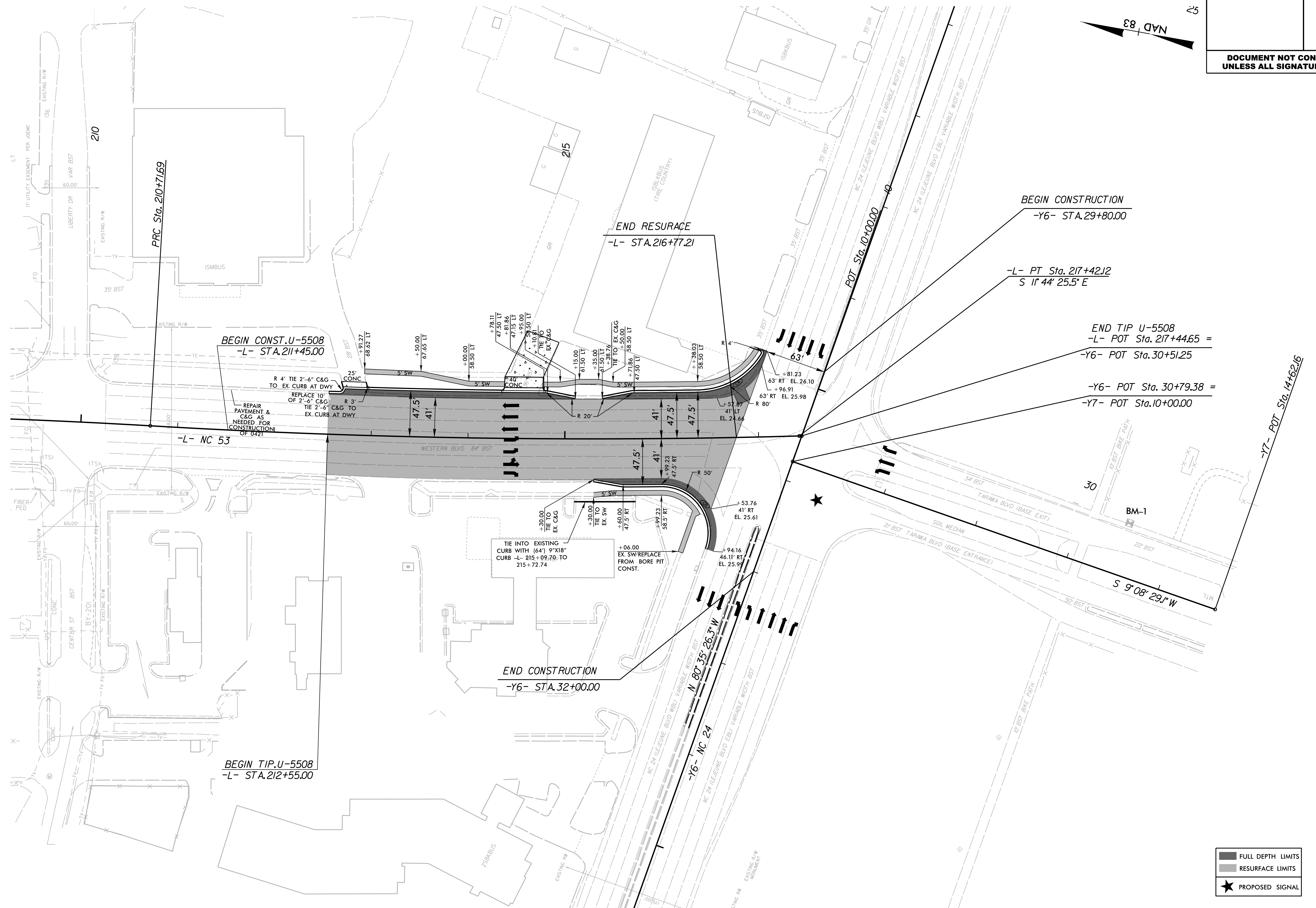
SIGNATURE: _____ P.E.



5/1/2024
U-5508_Rdy_PSH_01.tsh.dgn
USER:fnicholson

CONTRACT:

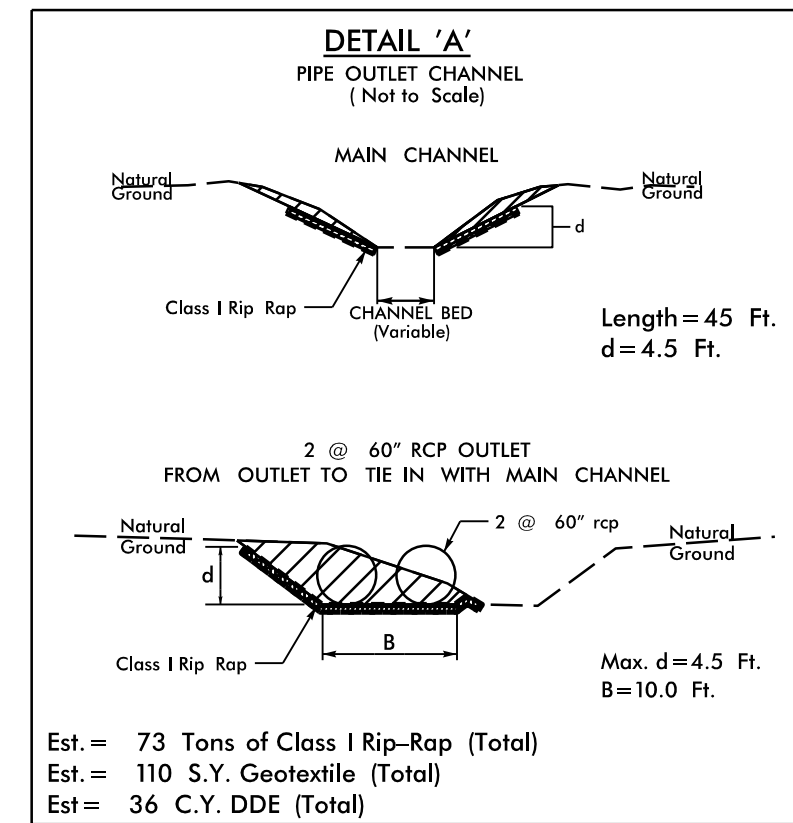
NTS



REVISIONS

PREPARED BY
WETHERILL ENGINEERING
WE Design your Tomorrow ...
1223 Jones Franklin Road
Raleigh, NC 27606
(919) 851-8077
NC License F-0377

PROJECT REFERENCE NO.		SHEET NO.
U-5508		04
R/W SHEET NO.		HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER		
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



BEGIN CONSTRUCTION

-Y6- STA.29+80.00

-L- PT Sta. 217+42.12
S 11°44' 25.5" E

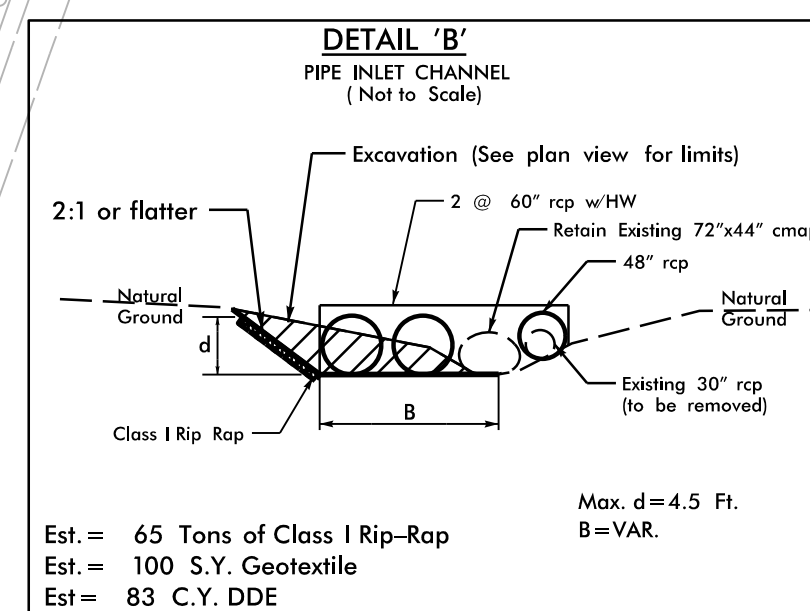
END TIP U-5508

-L- POT Sta. 217+44.65 =

-Y6- POT Sta.30+51.25

-Y6- POT Sta. 30+79.38 =

-Y7- POT Sta.10+00.00



★ PROPOSED SIGNAL

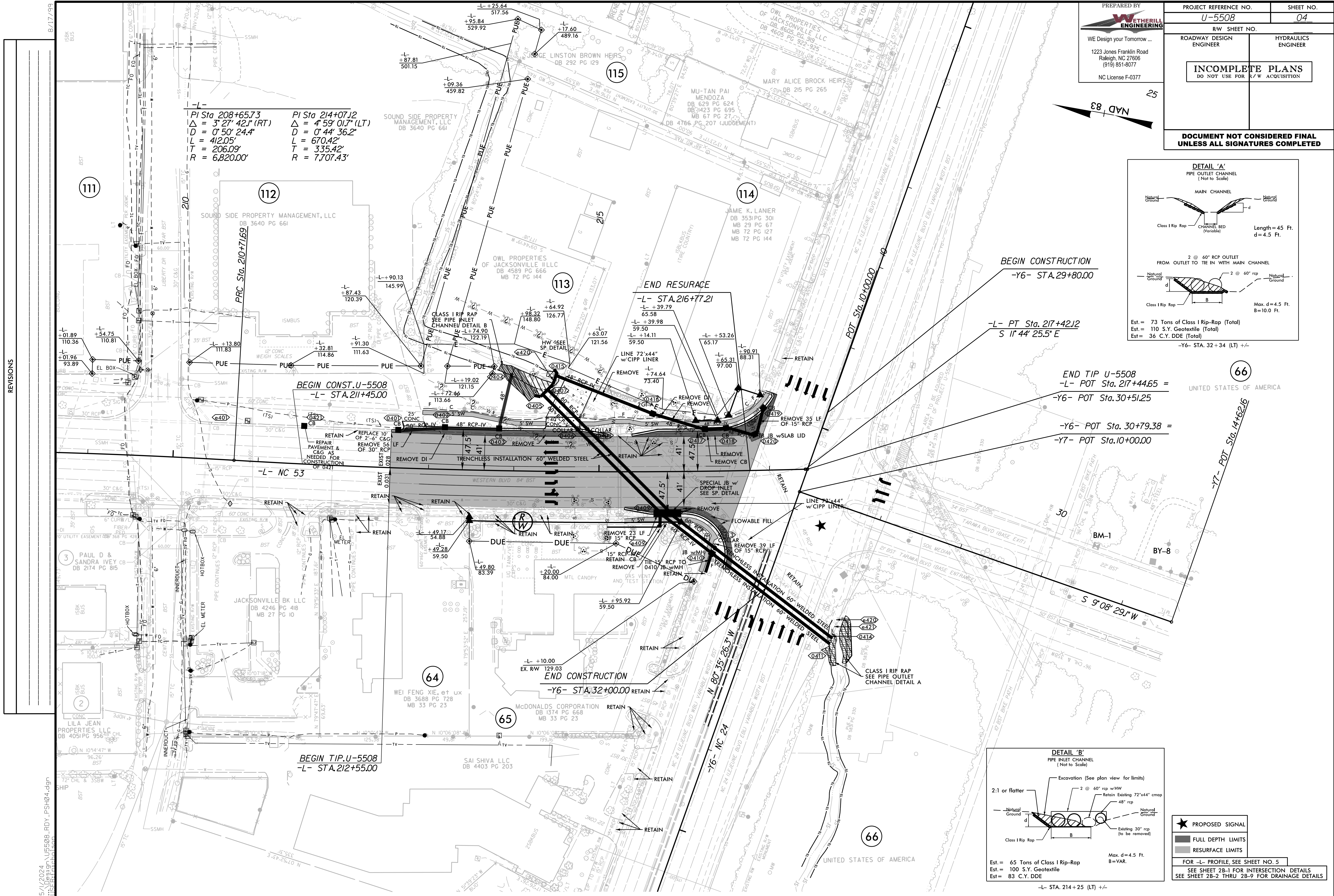
■ FULL DEPTH LIMITS

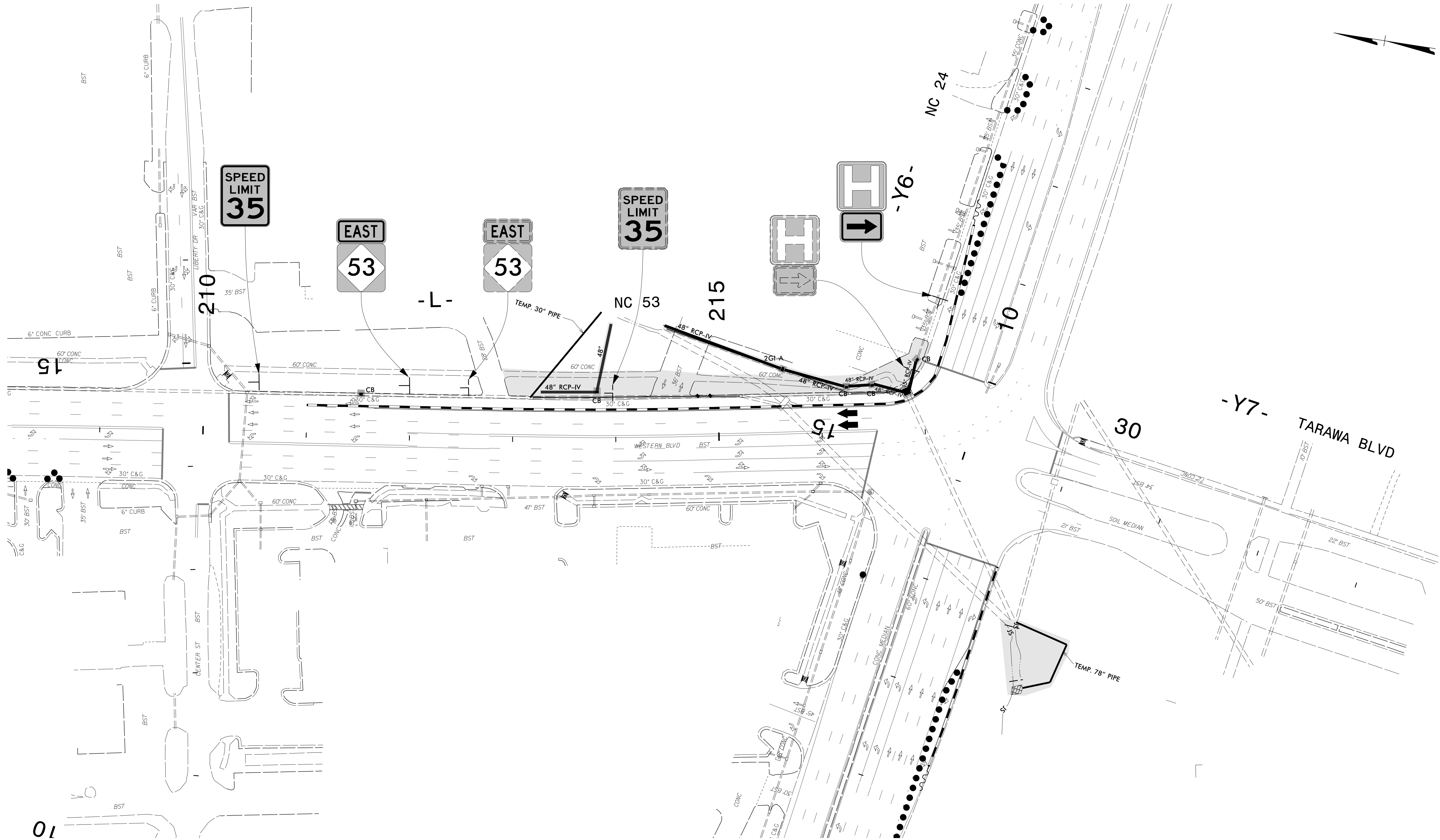
■ RESURFACE LIMITS

FOR -L- PROFILE, SEE SHEET NO. 5

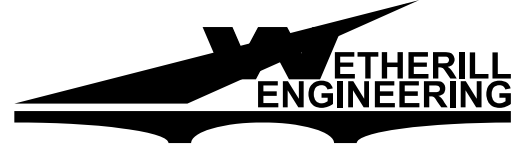
SEE SHEET 2B-1 FOR INTERSECTION DETAILS

SEE SHEET 2B-2 THRU 2B-9 FOR DRAINAGE DETAILS





4/29/2024
\\wei-fs01\projects\2023\23174\01U-5508 NC 53 and NC 24 Culvert Replacement\U-5508\Traffic\Traffic Design\2 Plan Design\4 WZTCU-5508-TMP_04 PH1.dgn
User:AHayes

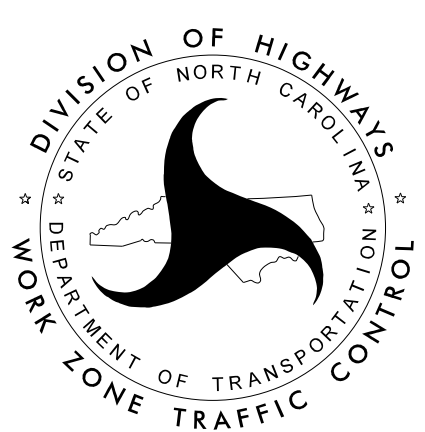


1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

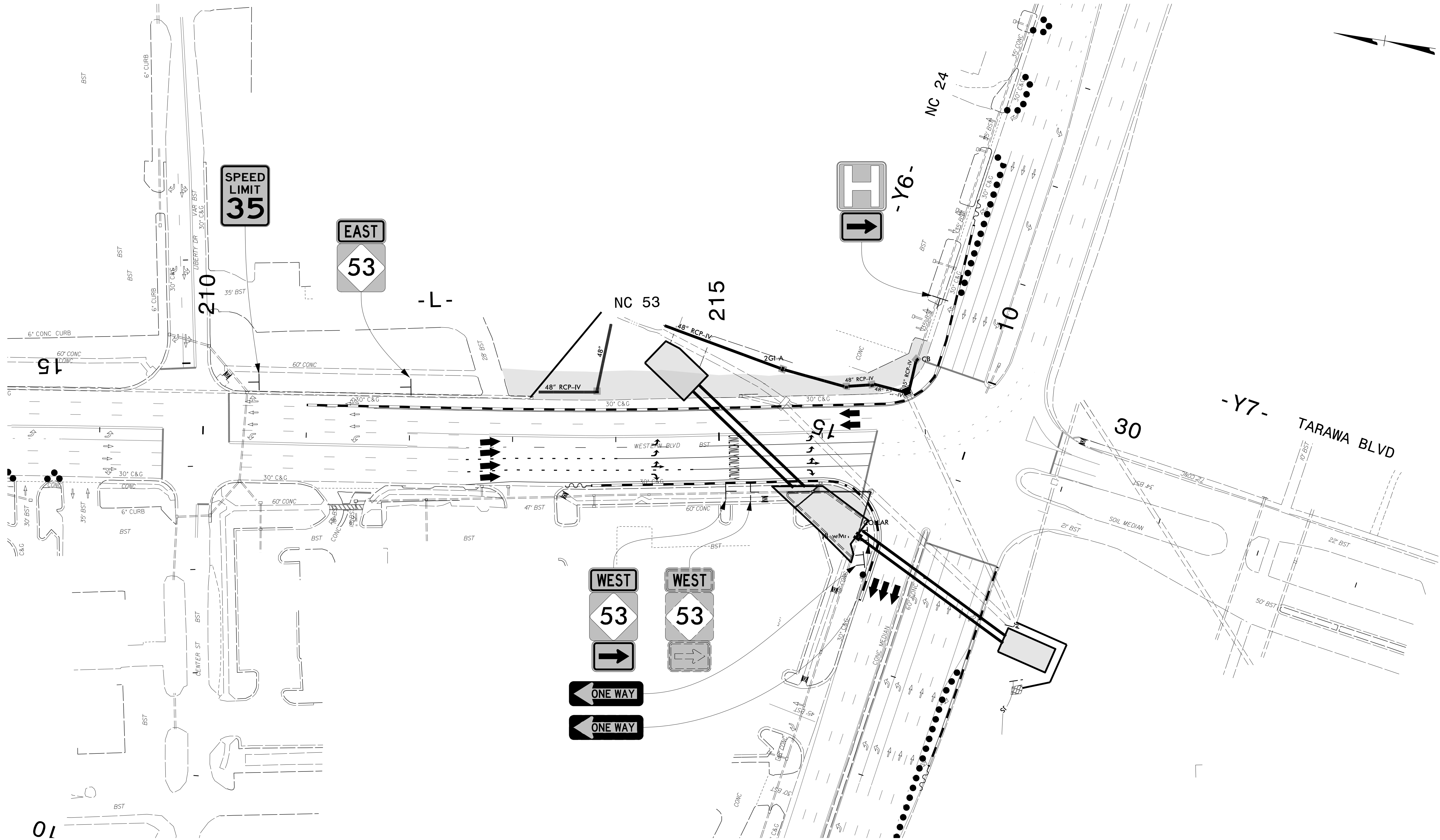
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: _____
DATE: _____

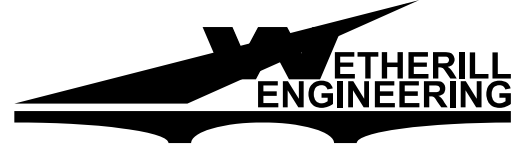
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



PHASE I DETAIL

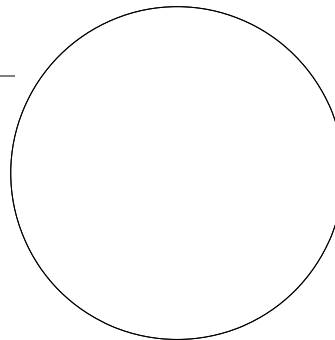


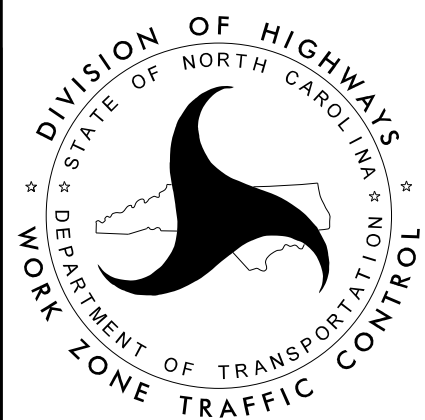
4/29/2024
\\wei-fs01\projects\2023\23174\U-5508 NC 53 and NC 24 Culvert Replacement\U-5508\Traffic\Traffic Design\2 Plan Design\4 WZTCU-5508-TMP_05 PHIL.dgn
User: AHayes



1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: _____
DATE: _____

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



PHASE II, STEPS 1 AND 2
DETAIL

