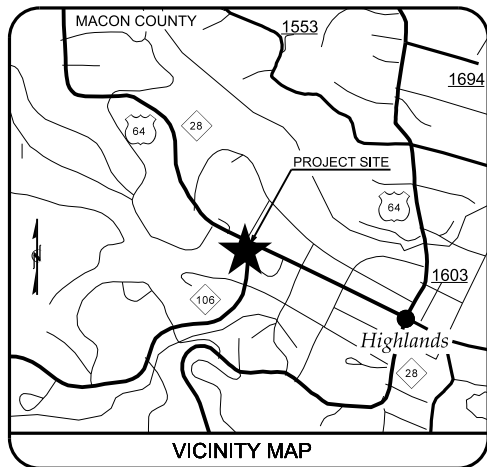


CONTRACT: DN00200 PROJECT: WBS#: 14CR.10561.7 & 43552

See Sheet 1-A For Index of Sheets

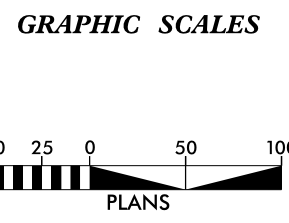
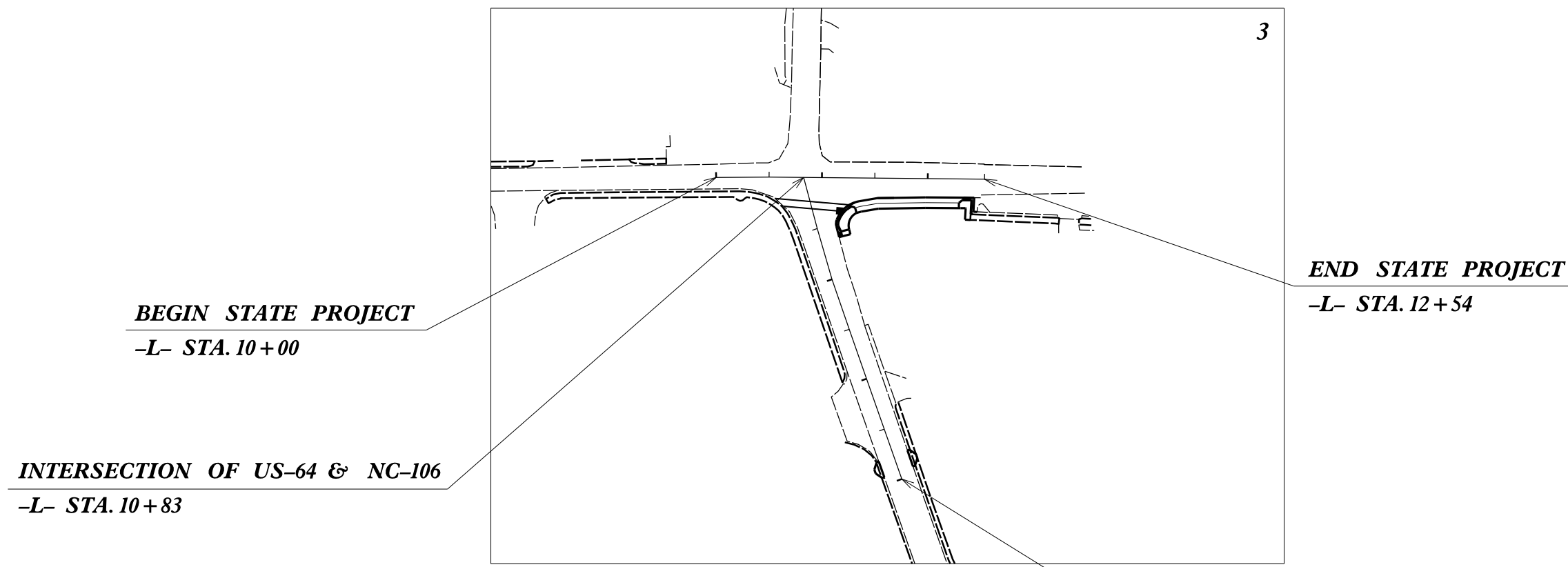


STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
MACON COUNTY

LOCATION: INTERSECTION OF US-64/NC-28 & NC-106, TOWN OF HIGHLANDS

TYPE OF WORK: MILL, PAVE, SIDEWALK, CURB RAMPS, CURB & GUTTER, AND DRAINAGE IMPROVEMENTS.

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	WBS#: 14CR.10561.7 & 43552	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	



PROJECT LENGTH

TOTAL LENGTH STATE PROJECT = 0.1 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS
 191 Robbinsville Rd., Andrews, NC 28901

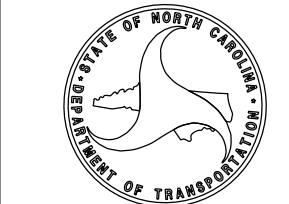
2012 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE:	WESLEY GRINDSTAFF, P.E. PROJECT ENGINEER
LETTING DATE:	ADAM DOCKERY PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

INDEX OF SHEETS

- 1 TITLE SHEET
- 1-A INDEX OF SHEETS, GENERAL NOTES AND LIST OF STANDARDS
- 1-B CONVENTIONAL SYMBOLS
- 2 SUMMARY OF QUANTITIES
- 2-A DRAINAGE SUMMARY SHEET
- 3 PLAN SHEET
- PM-1 THRU PM-2 PAVEMENT MARKING PLANS

GENERAL NOTES

- GENERAL NOTES: 2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012
- 1 CARE SHALL BE TAKEN TO PREVENT DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO THESE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - 2 THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY.
 - 3 EXISTING SIGN TO BE REMOVED, RESET, AND REWIRED. (PAYMENT TO BE INCLUDED IN OVERALL BID PRICE FOR COMPREHENSIVE GRADING.)

LIST OF ROADWAY STANDARDS

- 2012 ROADWAY STANDARD DRAWINGS
- The following Roadway Standards as appear in "Roadway Standard Drawings" - Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., dated January 17, 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.
- | STD. NO. | TITLE |
|---|---|
| DIVISION 3 - PIPE CULVERTS | |
| 300.01 | Method of Pipe Installation |
| DIVISION 8 - INCIDENTALS | |
| 840.29 | Frames and Narrow Slot Flat Grates |
| 840.31 | Concrete Junction Box - 12" thru 66" Pipe |
| 840.35 | Traffic Bearing Grated Drop Inlet |
| 846.01 | Concrete Curb, Gutter and Curb & Gutter |
| 848.01 | Concrete Sidewalk |
| 848.03 | Driveway Turnout - Drop Curb Type |
| 848.05 | Curb Ramp - Proposed Curb and Gutter |
| 848.06 | Curb Ramp - Existing Curb and Gutter |
| 852.01 | Concrete Islands |
| 852.06 | Method for Placement of Drop Inlets in Concrete Islands |
| DIVISION II - WORK ZONE TRAFFIC CONTROL | |
| 1110.01 | Stationary Work Zone Signs |
| 1110.02 | Portable Work Zone Signs |
| 1150.01 | Flagging Devices |

Note: Not to Scale

*S.U.E. = *Subsurface Utility Engineering*

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EP
Property Corner	-----
Property Monument	□ ECM
Parcel/Sequence Number	123
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	----- WLB
Proposed Wetland Boundary	----- WLB
Existing Endangered Animal Boundary	----- EAB
Existing Endangered Plant Boundary	----- EPB

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	----- JS
Buffer Zone 1	----- BZ 1
Buffer Zone 2	----- BZ 2
Flow Arrow	←
Disappearing Stream	→
Spring	○
Wetland	⋆
Proposed Lateral, Tail, Head Ditch	▬
False Sump	▽

RAILROADS:

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

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	○
Proposed Right of Way Line with Concrete or Granite Marker	△
Existing Control of Access	○
Proposed Control of Access	○
Existing Easement Line	----- E
Proposed Temporary Construction Easement	----- E
Proposed Temporary Drainage Easement	----- TDE
Proposed Permanent Drainage Easement	----- PDE
Proposed Permanent Drainage / Utility Easement	----- DUE
Proposed Permanent Utility Easement	----- PUE
Proposed Temporary Utility Easement	----- TUE
Proposed Permanent Easement with Iron Pin and Cap Marker	◆

ROADS AND RELATED FEATURES:

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

VEGETATION:

Single Tree	○
Single Shrub	○
Hedge	~~~~~
Woods Line	~~~~~
Orchard	○
Vineyard	□

EXISTING STRUCTURES:

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

UTILITIES:

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

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Booth	□
Telephone Pedestal	⊕
Telephone Cell Tower	⊗
U/G Telephone Cable Hand Hole	PH
Recorded U/G Telephone Cable	----- T
Designated U/G Telephone Cable (S.U.E.*)	----- T
Recorded U/G Telephone Conduit	----- TC
Designated U/G Telephone Conduit (S.U.E.*)	----- TC
Recorded U/G Fiber Optics Cable	----- T FO
Designated U/G Fiber Optics Cable (S.U.E.*)	----- T FO

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
Recorded U/G Water Line	-----
Designated U/G Water Line (S.U.E.*)	-----
Above Ground Water Line	----- A/G Water

TV:

TV Satellite Dish	⊗
TV Pedestal	□
TV Tower	⊗
U/G TV Cable Hand Hole	PH
Recorded U/G TV Cable	----- TV
Designated U/G TV Cable (S.U.E.*)	----- TV
Recorded U/G Fiber Optic Cable	----- TV FO
Designated U/G Fiber Optic Cable (S.U.E.*)	----- TV FO

GAS:

Gas Valve	◇
Gas Meter	⊕
Recorded U/G Gas Line	----- G
Designated U/G Gas Line (S.U.E.*)	----- G
Above Ground Gas Line	----- A/G Gas

SANITARY SEWER:

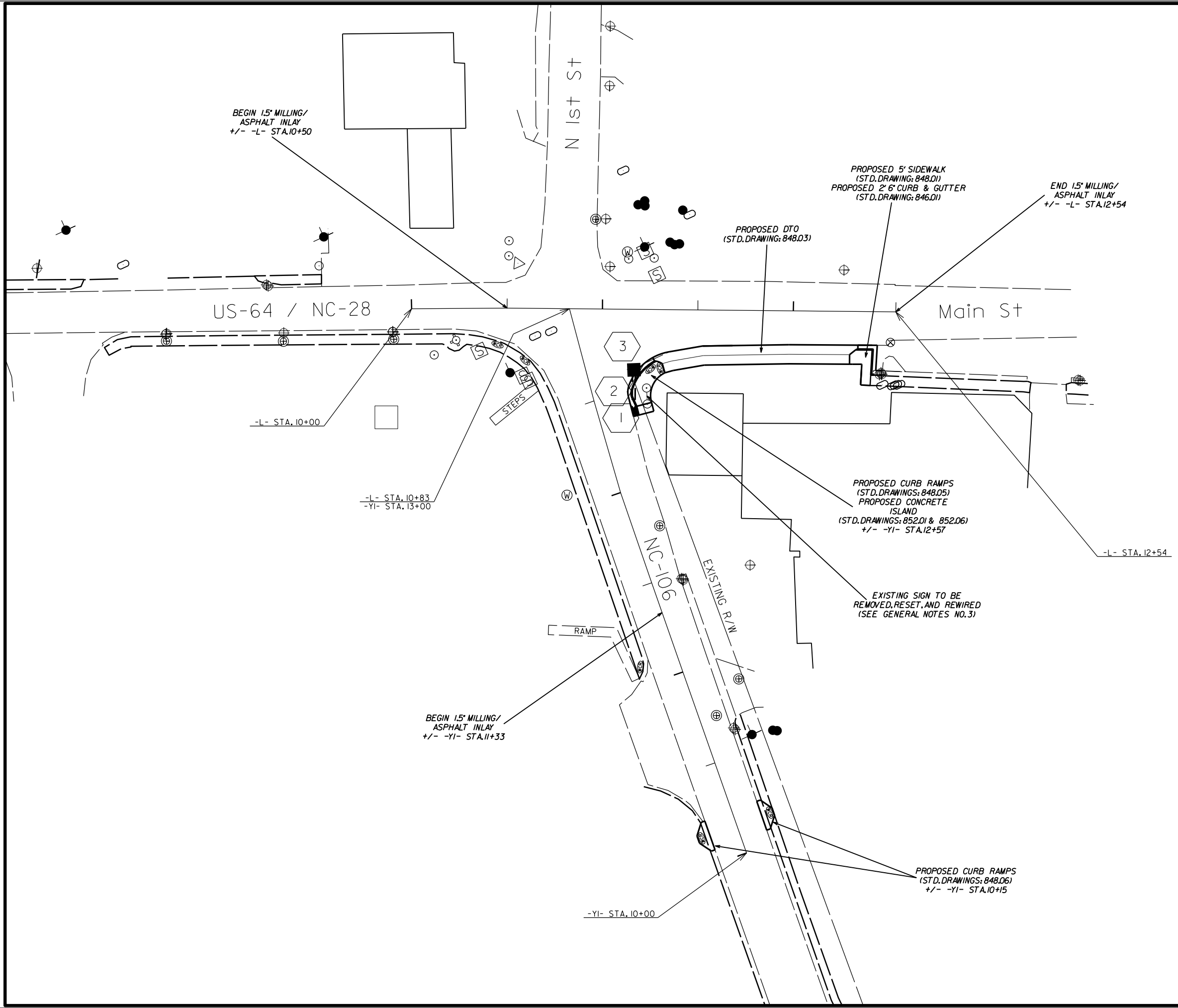
Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	----- SS
Above Ground Sanitary Sewer	----- A/G Sanitary Sewer
Recorded SS Forced Main Line	----- FSS
Designated SS Forced Main Line (S.U.E.*)	----- FSS

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line	----- TUL
U/G Tank; Water, Gas, Oil	□
A/G Tank; Water, Gas, Oil	□
U/G Test Hole (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 ROADWAY SUMMARY OF QUANTITIES FOR CONTRACT - WBS#:14CR.10561.7 & 43552

Item Number	Sec #	Quantity	Unit	Description
004300000-N	226	1	LS	GRADING
055530000-E	305	24	LF	18" DRAINAGE PIPE
129700000-E	607	1482	SY	MILLING ASPHALT PAVEMENT,1.5" DEPTH
151900000-E	610	140	TON	ASPHALT CONC SURFACE COURSE,TYPE S9.5B
157500000-E	620	10	TON	ASPHALT BINDER FOR PLANT MIX
000010000-N	800	1	LS	MOBILIZATION
228600000-N	840	1	EA	MASONRY DRAINAGE STRUCTURES
236700000-N	840	1	EA	FRAME WITH TWO GRATES,STD 840.29
254900000-E	846	65	LF	2'-6" CONCRETE CURB & GUTTER
259100000-E	848	25	SY	4" CONCRETE SIDEWALK
260500000-N	848	4	EA	CONCRETE CURB RAMP
261200000-E	848	120	SY	6" CONCRETE DRIVEWAY
245100000-N	852	1	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
264700000-E	852	30	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
290500000-N	859	1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX
458900000-N	SP	1	LS	GENERIC TRAFFIC CONTROL ITEM
468500000-E	1205	300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4",90 MILS)
468600000-E	1205	740	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4",120 MILS)
469700000-E	1205	202	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8",120 MILS)
471000000-E	1205	120	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24",120 MILS)
472500000-E	1205	4	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)



BEGIN 1.5" MILLING/
ASPHALT INLAY
+/- -L- STA.10+50

N 1st St

PROPOSED 5' SIDEWALK
(STD.DRAWING: 848.01)
PROPOSED 2' 6" CURB & GUTTER
(STD.DRAWING: 846.01)

END 1.5" MILLING/
ASPHALT INLAY
+/- -L- STA.12+54

PROPOSED DTO
(STD.DRAWING: 848.03)

US-64 / NC-28

Main St

-L- STA. 10+00

-L- STA. 10+83
-YI- STA. 13+00

PROPOSED CURB RAMPS
(STD.DRAWINGS: 848.05)
PROPOSED CONCRETE
ISLAND
(STD.DRAWINGS: 852.01 & 852.06)
+/- -YI- STA.12+57

-L- STA. 12+54

NC-106

EXISTING R/W

EXISTING SIGN TO BE
REMOVED, RESET, AND REWIRED
(SEE GENERAL NOTES NO.3)

RAMP

BEGIN 1.5" MILLING/
ASPHALT INLAY
+/- -YI- STA.11+33

PROPOSED CURB RAMPS
(STD.DRAWINGS: 848.06)
+/- -YI- STA.10+15

-YI- STA. 10+00

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**PAVEMENT MARKING PLAN
MACON COUNTY**

LOCATION: INTERSECTION OF US-64/NC-28 & NC-106

STATE PROJECT REFERENCE NO.	SHEET NO.
WBS#: 14CR.10561.7 & 43552	PM-1

PROJECT: 14CR.10561.7 & 43552

GENERAL NOTES

GENERAL NOTES: 2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLANS, OR DIRECTED BY THE ENGINEER.

A INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
US-64/NC-28	THERMOPLASTIC	N/A
NC-106	THERMOPLASTIC	N/A

B ON ASPHALT SURFACES, USE HEATED-IN-PLACE THERMOPLASTIC OR EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS.

C TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

D REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

E PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.

LIST OF ROADWAY STANDARDS





2012 ROADWAY STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" - Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., dated January 17, 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

STD. NO.	TITLE
1205.01	Pavement Markings - Line Types and Offsets
1205.04	Pavement Markings - Intersections
1205.05	Pavement Markings - Turn Lanes
1205.07	Pavement Markings - Pedestrian Crosswalks
1205.08	Pavement Markings - Symbols and Word Messages
1205.13	Pavement Markings - New Interchanges and Intersections

LEGEND

PAVEMENT MARKINGS

-  CRYSTAL/CRYSTAL PAVEMENT MARKER
-  YELLOW/YELLOW PAVEMENT MARKER
-  CRYSTAL/RED PAVEMENT MARKER
-  PAVEMENT MARKING SYMBOL

Prepared In the Office of:
DIVISION 14 DISTRICT III
191 Robbinsville Rd., Andrews, NC 28901
2012 STANDARD SPECIFICATIONS

