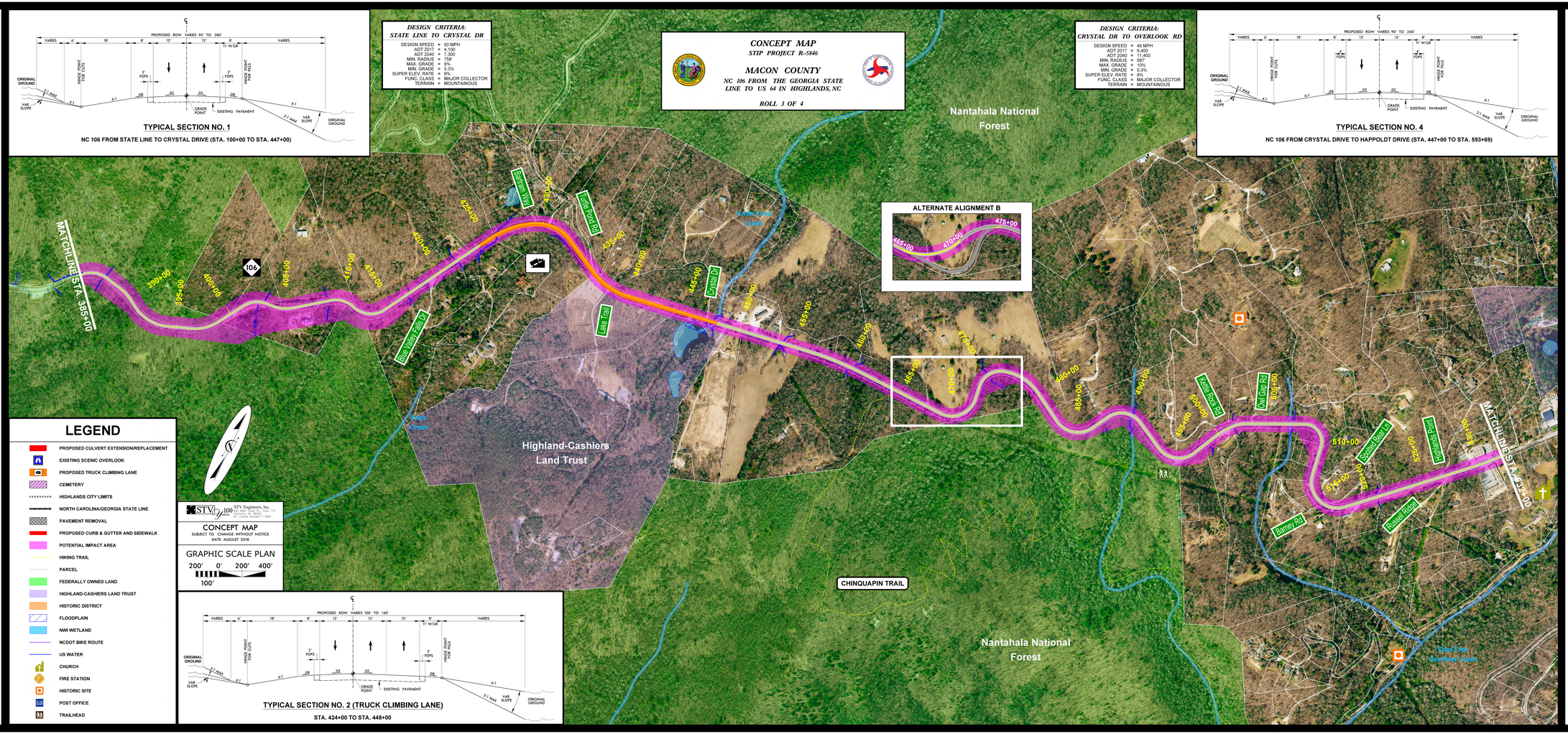
CONCEPT MAP
STIP PROJECT R-5846
MACON COUNTY
NC 106 FROM THE GEORGIA STATE LINE TO US 64 IN HIGHLANDS, NC
ROLL 3 OF 4
DESIGN CRITERIA:
STATE LINE TO CRYSTAL DR
DESIGN SPEED = 50 MPH
ADT 2017 = 4,100
ADT 2040 = 7,300
MIN. RADIUS = 758'
MAX. GRADE = 9%
MIN. GRADE = 0.3%
SUPER ELEV. RATE = 8%
FUNC. CLASS = MAJOR COLLECTOR
TERRAIN = MOUNTAINOUS
DESIGN CRITERIA:
CRYSTAL DR TO OVERLOOK RD
DESIGN SPEED = 45 MPH
ADT 2017 = 6,400
ADT 2040 = 11,400
MIN. RADIUS = 587'
MAX. GRADE = 10%
MIN. GRADE = 0.3%
SUPER ELEV. RATE = 8%
FUNC. CLASS = MAJOR COLLECTOR
TERRAIN = MOUNTAINOUS
TYPICAL SECTION NO. 1
NC 106 FROM STATE LINE TO CRYSTAL DRIVE (STA. 100+00 TO STA. 447+00)
TYPICAL SECTION NO. 4
NC 106 FROM CRYSTAL DRIVE TO HAPPOLDT DRIVE (STA. 447+00 TO STA. 593+69)
TYPICAL SECTION NO. 2 (TRUCK CLIMBING LANE)
STA. 424+00 TO STA. 448+00
ALTERNATE ALIGNMENT B
MATCHLINE STA. 385+00
MATCHLINE STA. 632+00
Nantahala National Forest
Highland-Cashiers Land Trust
CHINQUAPIN TRAIL
Barnett Way
Little Rock Rd
Lake Trail
Blue Ridge Trail Rd
Cowpen Dr
Kiser Rock Rd
Owl Gap Rd
Scenic Ridge Ln
Hard Scrabble
Bailey Rd
Russel Ridge
Little Fork Creek
Jones Creek
Little Creek
Little Creek Georgia Creek
LEGEND
PROPOSED CULVERT EXTENSION/REPLACEMENT
EXISTING SCENIC OVERLOOK
PROPOSED TRUCK CLIMBING LANE
CEMETERY
HIGHLANDS CITY LIMITS
NORTH CAROLINA/GEORGIA STATE LINE
PAVEMENT REMOVAL
PROPOSED CURB & GUTTER AND SIDEWALK
POTENTIAL IMPACT AREA
HIKING TRAIL
PARCEL
FEDERALLY OWNED LAND
HIGHLAND-CASHIERS LAND TRUST
HISTORIC DISTRICT
FLOODPLAIN
NWI WETLAND
NCDOT BIKE ROUTE
US WATER
CHURCH
FIRE STATION
HISTORIC SITE
POST OFFICE
TRAILHEAD
STV Engineers, Inc.
CONCEPT MAP
SUBJECT TO CHANGE WITHOUT NOTICE
DATE: AUGUST 2018
GRAPHIC SCALE PLAN
200' 0' 200' 400'
100'