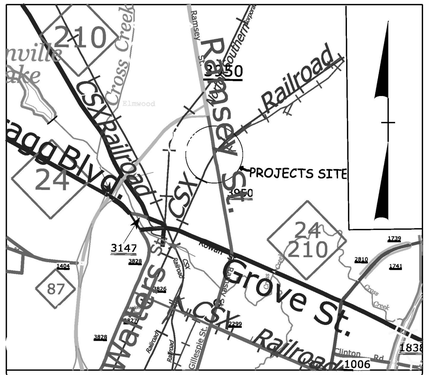
01/16/24

TIP PROJECT: HS-2006P

CONTRACT: DF 00481



VICINITY MAP (NTS)

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

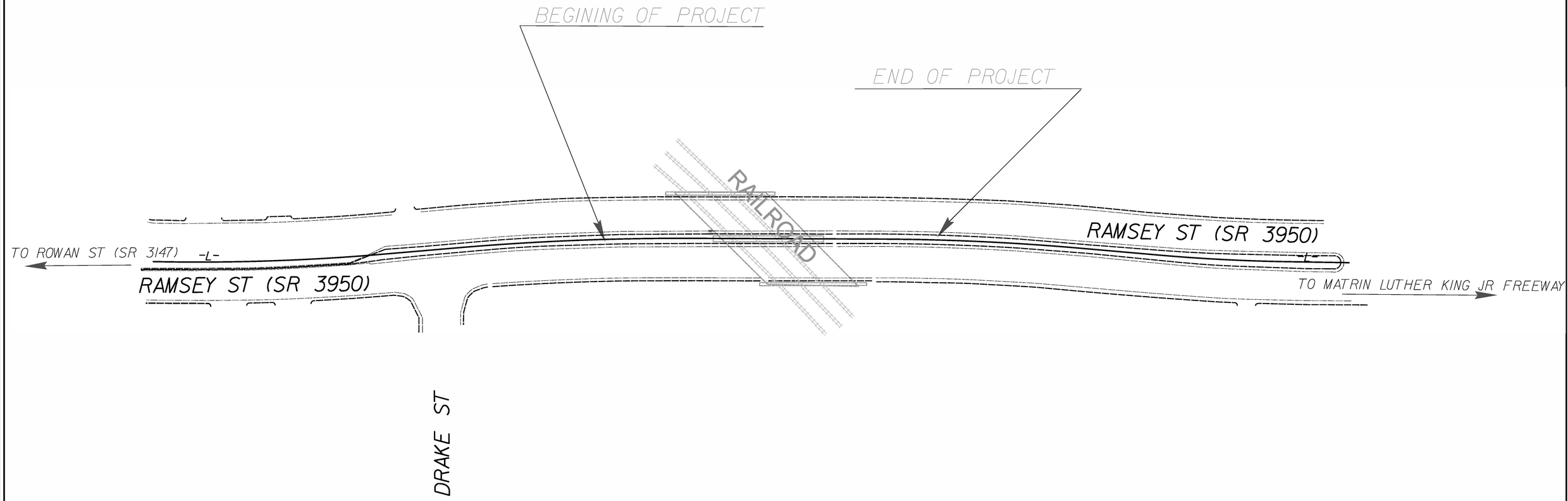
CUMBERLAND COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2006P	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
49312.1.20	3950(001)	PE
49312.3.20	3950(001)	CONST.

LOCATION: *SR 3950 (RAMSEY) AT RAILROAD BRIDGE 2501 BETWEEN DRAKE STREET AND WALL STREET*

TYPE OF WORK: *INSTALL GUARDRAIL*



GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT 2022 = 15500
ADT 2045 = 31000

V = 35 MPH

FUNC CLASS =
PRINCIPAL ARTERIAL

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT HS-2006P = .052 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
431 Transportation Dr. ,Fayetteville NC, 28301

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
NOVEMBER 20, 2024

JOHN GAUTHIER
PROJECT ENGINEER

CEDRICK GRAHAM
PROJECT DESIGN ENGINEER

STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION ·

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

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

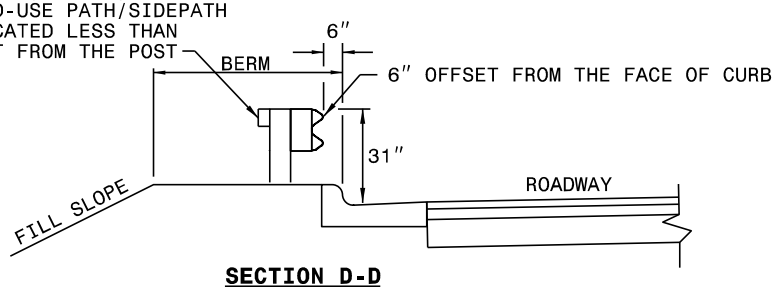
SANITARY SEWER:

- 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)*

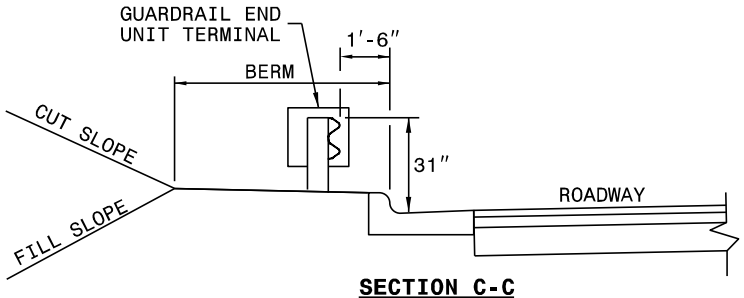
MISCELLANEOUS:

- 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

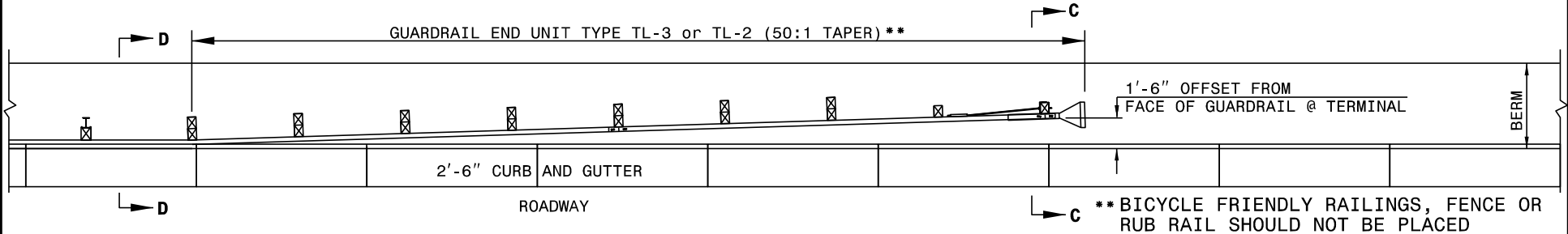
* PLACE APPROVED BICYCLE FRIENDLY RAILINGS, FENCE, OR RUB RAILS IF SHARED-USE PATH/SIDEPATH IS LOCATED LESS THAN 4 FEET FROM THE POST



SECTION D-D

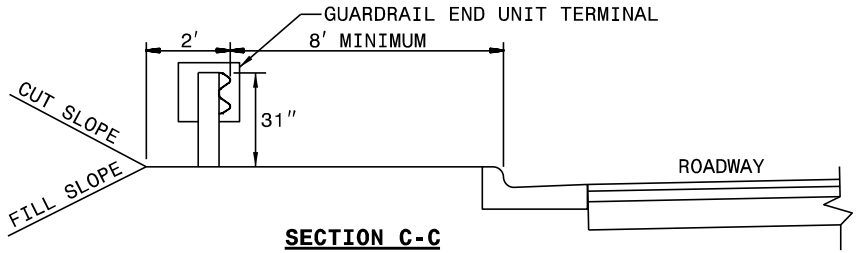


SECTION C-C



GUARDRAIL 6″ FROM THE FACE OF CURB

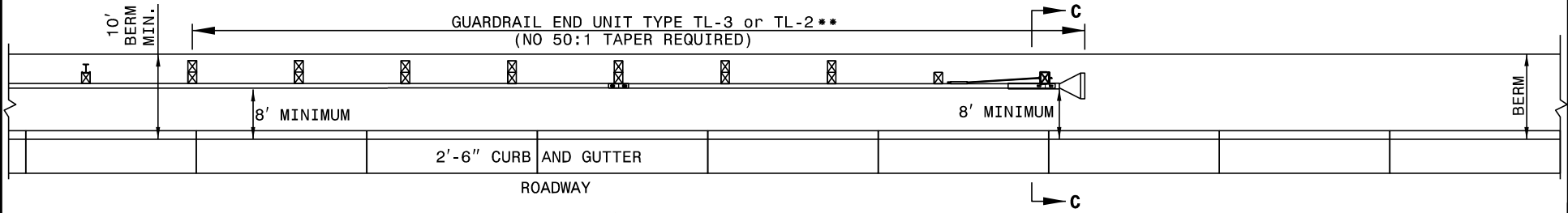
** BICYCLE FRIENDLY RAILINGS, FENCE OR RUB RAIL SHOULD NOT BE PLACED WITHIN THE LIMITS OF THE STRUCTURAL ANCHOR OR END UNITS



SECTION C-C

* SEE THE ROADWAY DESIGN MANUAL (PART I CHAPTER 4 SECTION 4.14) FOR OFFSET DISTANCES FROM FACE OF GUARDRAIL AND BACK OF GUARDRAIL TO SIDEWALK OR SIDEPATH/SHARED-USE PATH

DESIGN SPEED ≤ 50 MPH
FOR POSTED SPEEDS ≥ 45 MPH USE GREU TYPE TL-3
FOR POSTED SPEEDS < 45 MPH USE GREU TYPE TL-2



GUARDRAIL 8′ OR GREATER OFFSET FROM FACE OF CURB

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-24

ROADWAY STANDARD DRAWING FOR

GUARDRAIL PLACEMENT

GUARDRAIL TREATMENT AT CURB AND GUTTER

SHEET 12 OF 15

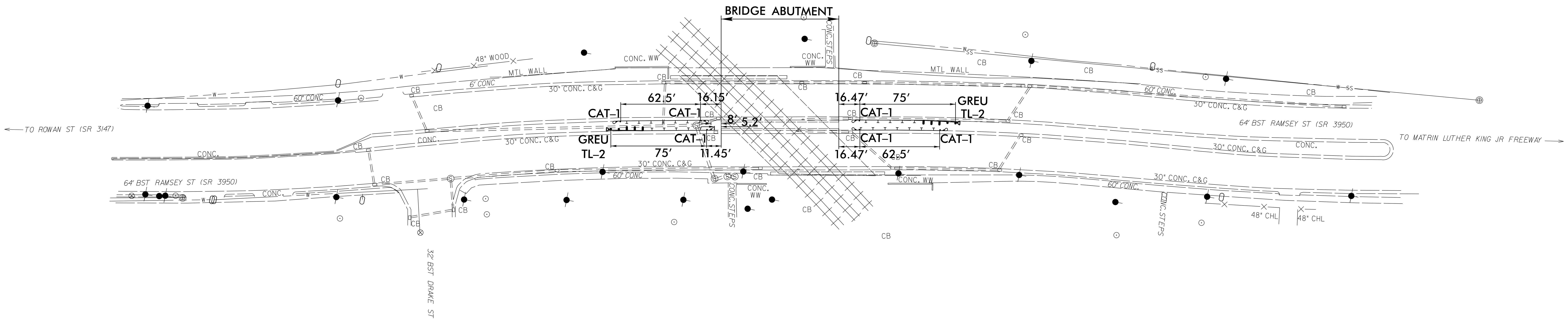
862.01

PROJECT REFERENCE NO.	SHEET NO.
HS-2006P	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTE: GUARDRAIL PLACEMENT WILL BE INSTALLED IN ACCORDANCE WITH ROADWAY STANDARD DRAWING FOR GUARDRAIL TREATMENT AT CURB AND GUTTER. (STD. 862.01 SHEET 12 OF 15)

NOTE: NO GUARDRAIL OR GUARDRAIL ANCHORS WILL BE ATTACHED TO THE BRIDGE ABUTMENT.



a. The Contractor must plan and perform the work in a manner such that the CSXT tracks at the project location remain fully capable of carrying rail traffic throughout the work period and rail traffic is not delayed or otherwise impacted due to the work being performed.
b. The Contractor shall not be permitted to use the CSXT right-of-way for storage of materials or equipment during construction. The CSXT right-of-way must remain clear at all times.
c. No equipment will be permitted to be staged within fifteen feet (15') of track centerline at any time during the performance of the project work.
d. Blasting will not be permitted to demolish a structure within CSX's right-of-way.
e. The Contractor shall be required to fully comply with all federal, state, and local environmental laws, regulations, statutes, and ordinances at all times.
f. CSXT facilities are not subject to "Miss Utility" programs such as North Carolina 811. Contractor shall coordinate with CSXT to have its facilities marked in the field prior to performing work with the potential to impact below-grade facilities. CSXT will mark out existing CSXT facilities at project expense.
g. A CSXT flagperson may be required for any work which requires entry onto the CSXT right-of-way, any work that has potential to foul CSXT track, and any work to be performed within fifty feet (50') of the centerline of track. CSXT shall have sole authority to determine the need for flagging required to protect its operations and property.
h. The Contractor must adhere to the provisions of the CSXT Insurance Requirements, CSXT Special Provisions, CSXT Construction Submission Criteria, CSXT Soil and Water Management Policy, and project-specific Construction Requirements. In the event there is any discrepancy or perceived variance between the provisions within the CSXT documents and those of the NCDOT as related to this project, then the provisions of the CSXT documents shall govern.
i. CSXT does not permit any reduction to the existing horizontal clearances at any time during construction, or in the final condition. Any proposed temporary reduction of the existing horizontal clearance must be reviewed by CSXT with no guarantee of approval.
j. CSXT typically requires a minimum horizontal clearance of fifteen feet (15') from centerline of track to any temporary measures to be installed by the Contractor. Any temporary reductions from the existing horizontal clearance are subject to review by CSXT, with no guarantee of approval.
k. Use of the CSXT right of way will be limited to the immediate project vicinity.
l. Contractor shall not be permitted to travel along the CSXT right of way for access to the project location.

5/14/99

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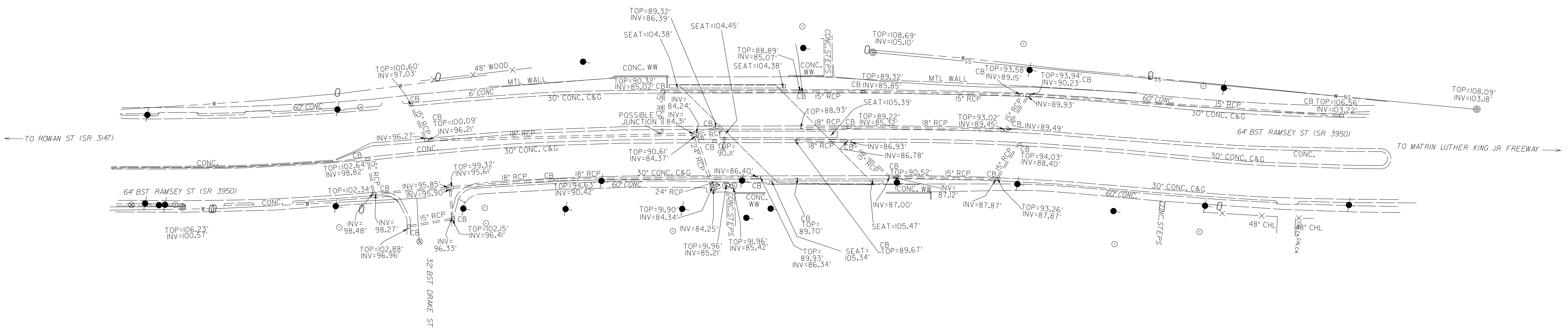
Ramsey St. RR Bridge Guardrail Cumberland\Roadway\proj\HS-2006P_Rdy_dsn.dgn
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
HS-2006P	4A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

EXISTING DRAINAGE STRUCTURES, PIPES, AND INVERT ELEVATIONS



5/14/99

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