



# NCDOT Project U-5907

Prepared for the Town of Davidson  
2-12-2019



# NCDOT PROJECT U-5907

## Agenda

2-12-2019

- Communication History
- Overview of the project
  - Connector from Potts to Sloan
  - Roundabout (Beaty/Griffith)
- SHPO update
- Where we are in the process
- Costs/Schedule
- U-5873 Update (Davidson Portion)

# Past Plans with Connector

- ▀ Town Center Plan (1998)
- ▀ Circulation Plan (2003)
- ▀ Connectivity and Traffic Calming (2004)
- ▀ Station Area Plan (2005)
- ▀ PSB Corridor Land Use Plan (2007)
- ▀ Comprehensive Plan (2010)
- ▀ Walks and Rolls Active Transportation Plan (2013)

# Citizen Communication

## **NEWSLETTERS**

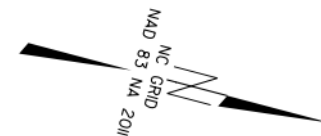
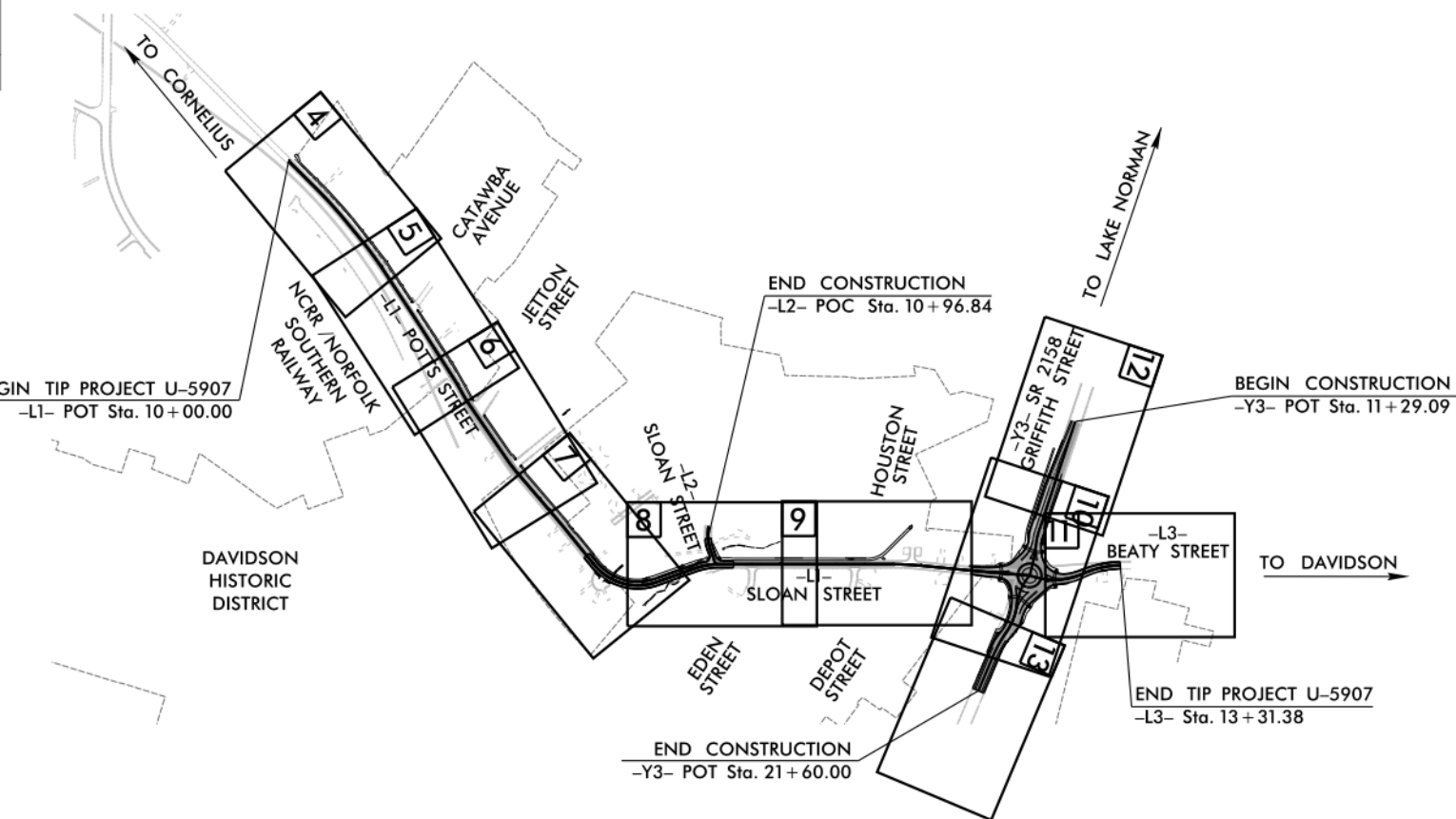
- January 2013
- April 2013
- July 2013
- October 2013
- July 2014
- April 2015
- July 2015
- October 2015
- April 2016
- July 2016
- January 2017
- April 2017
- July 2017
- October 2017
- January 2018
- January 2019

## **NCDOT**

- OPEN HOUSE 10-5-2017
- Council Meeting 11-14-2017



# OVERALL PROJECT





**PUBLIC MEETING MAP**  
PROJECT U-5907  
**MECKLENBURG COUNTY**  
POTTS STREET EXTENSION & IMPROVEMENTS  
**U-5907 (MAP #1)**

DAVIDSON POLICE  
DEPARTMENT

DAVIDSON HISTORIC  
DISTRICT

ADA JENKINS  
CENTER

UNITED STATES  
POSTAL SERVICE

CROSS FIT ETERNAL  
DAVIDSON

SLOAN ST.

EDEN ST.

CRANE ST.

JACKSON ST.

POTTS ST.

WALNUT ST.

JETTON ST.

CATAWBA AVE.

MATCHLINE

CATAWBA

MATCHLINE

DAVIDSON HOUSING  
COALITION

CONTINUE SIDEWALK  
TOWARD ROUNDABOUT  
AT GRIFFITH STREET

MOCK CIRCLE

MOCK RD.

CONTINUE MULTIUSE  
PATH TOWARD ROUNDABOUT  
AT GRIFFITH STREET

**LEGEND**

- EXISTING BUILDINGS
- EXISTING RIGHT-OF-WAY
- EXISTING RAILROAD RIGHT-OF-WAY
- EXISTING ROADWAY
- EXISTING ROADWAY TO BE REMOVED
- EXISTING CONCRETE SIDEWALK
- EXISTING MECKLENBURG CO. STREAM
- POTENTIAL IMPACT AREA
- PROPOSED ROADWAY
- PROPOSED STRUCTURES, ISLAND, CURB AND GUTTER, AND SIDEWALK
- PROPERTY LINES
- PROPOSED MULTIUSE TRAIL
- PROPOSED STUDY AREA

**LEGEND**

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- EXISTING MECKLENBURG CO. STREAM
- POTENTIAL IMPACT AREA
- PROPOSED ROADWAY
- PROPOSED STRUCTURES, ISLAND, CURB AND GUTTER, AND SIDEWALK
- PROPERTY LINES
- REMOVE AND REPLACE 5' SIDEWALK
- PROPOSED STUDY AREA





UNITED STATES  
POSTAL SERVICE

CROSS FIT ETERNAL  
DAVIDSON

SLOAN ST.

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CONTINUE SIDEWALK  
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DAVIDSON HISTORIC  
DISTRICT

DAVIDSON POLICE  
DEPARTMENT



**PUBLIC MEETING MAP**  
PROJECT U-5907  
**MECKLENBURG COUNTY**  
POTTS STREET EXTENSION & IMPROVEMENTS  
**U-5907 (MAP #1)**



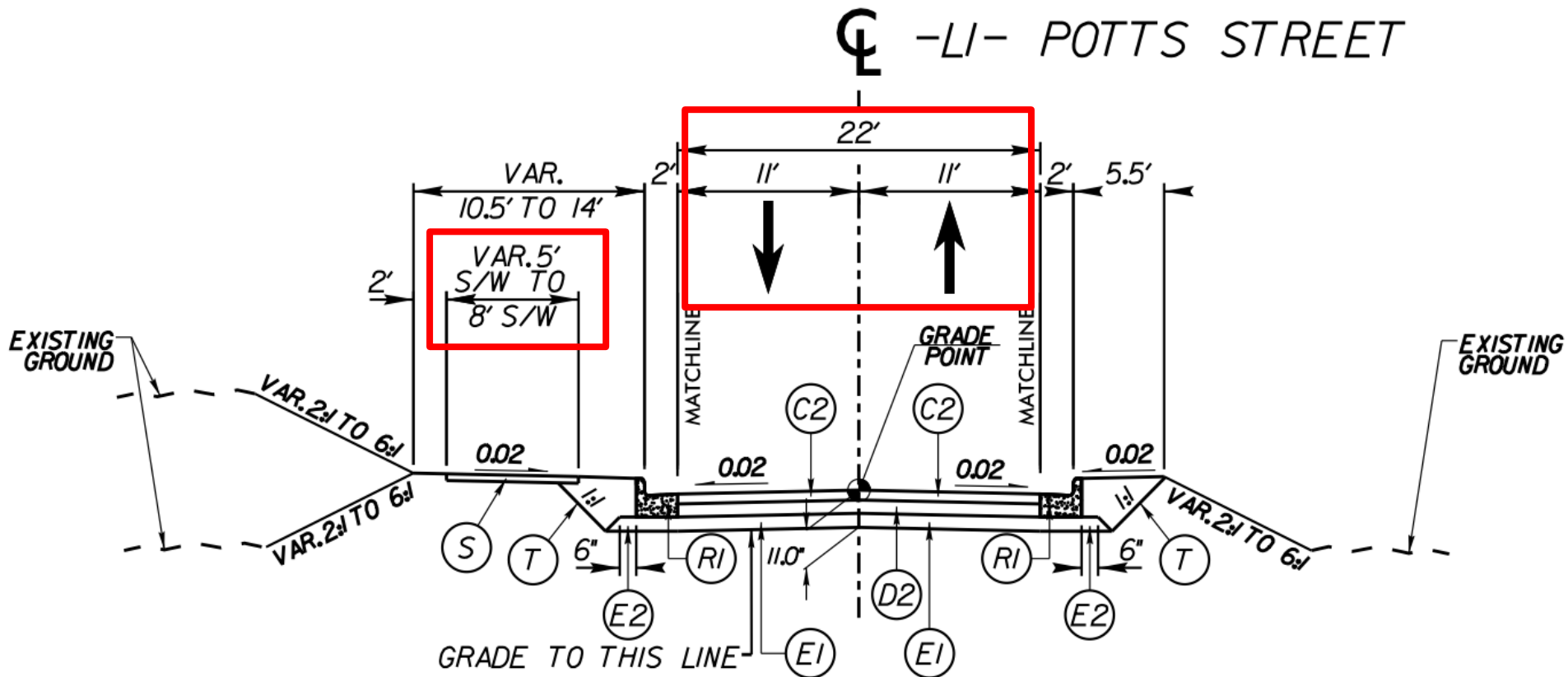
- LEGEND**
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  - PROPOSED STUDY AREA

ADA JENKINS  
CENTER

DELLSOUTH TELECOMMUNICATIONS, INC.



# Typical Section through Connector

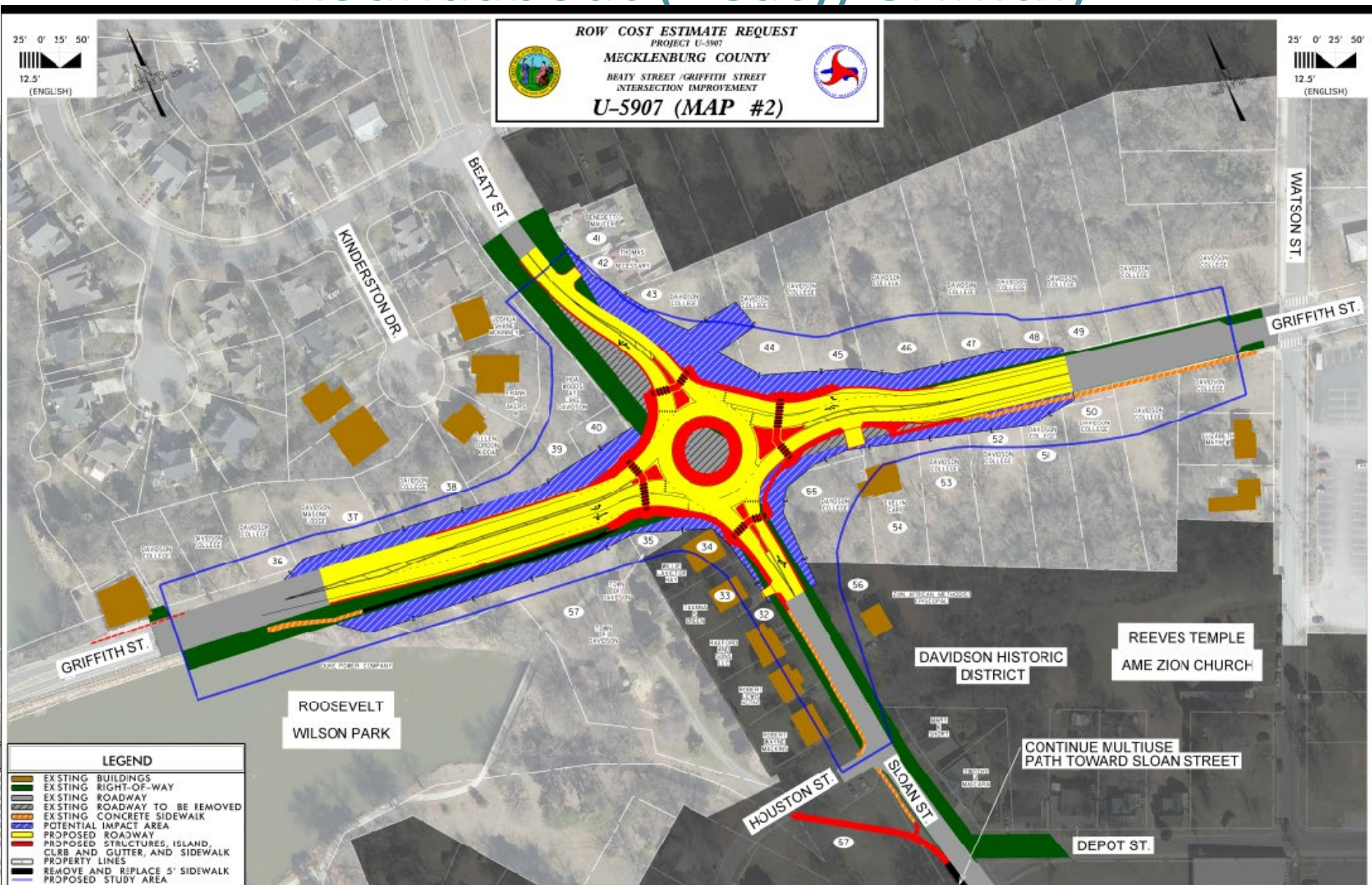


## TYPICAL SECTION NO. 5

-LI- STA 28+84.88 TO STA 32+35.00



# Roundabout (Beaty/Griffith)



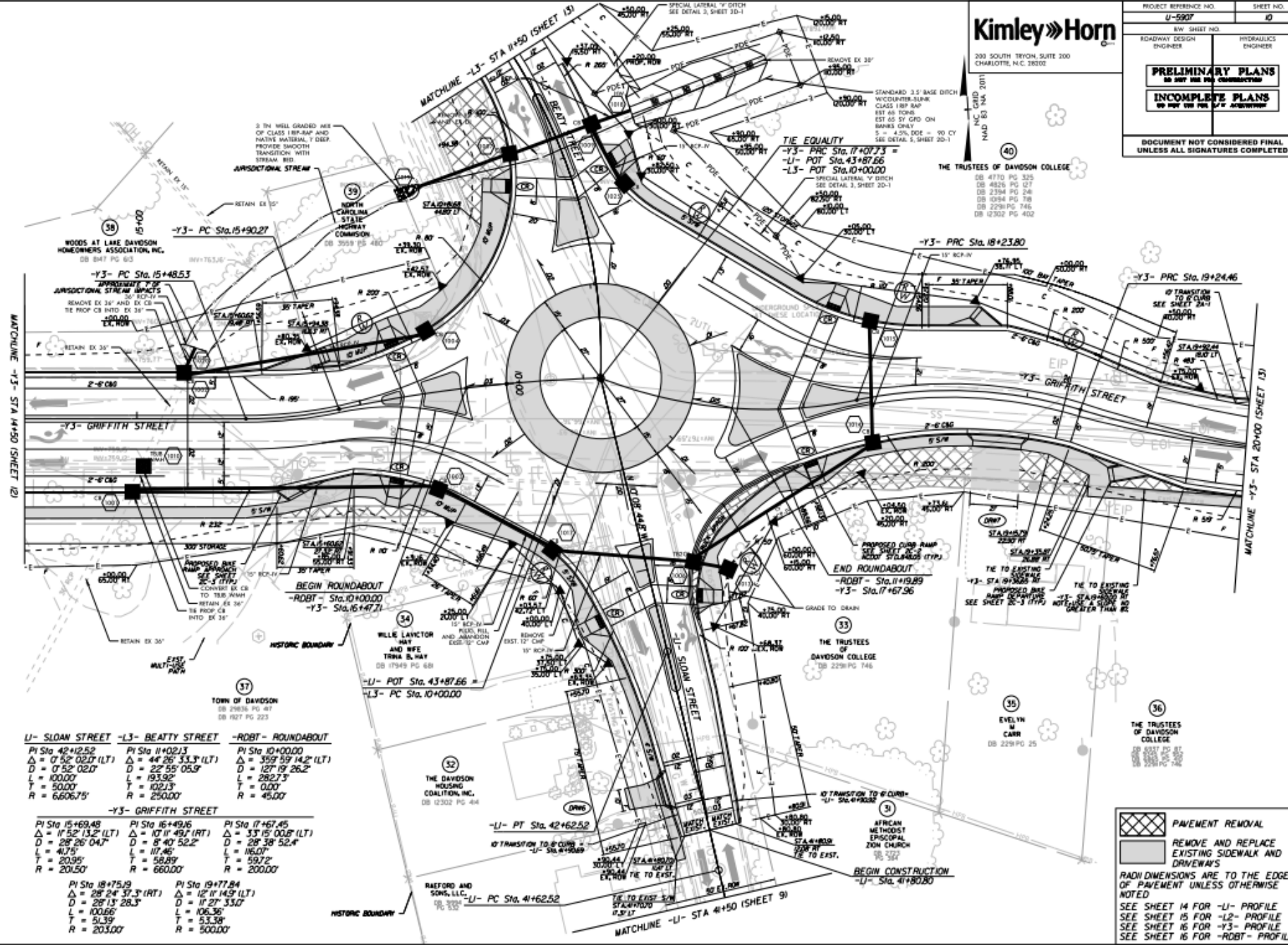


# Kimley»Horn

200 SOUTH TRYON, SUITE 200  
CHARLOTTE, N.C. 28202

N.C. CHED 204, 2011

PROJECT REFERENCE NO.	SHEET NO.
U-5907	10
RW SHEET NO.	
ROADWAY DESIGN	HYDRAULICS
ENGINEER	ENGINEER
<b>PRELIMINARY PLANS</b>	
DO NOT USE FOR CONSTRUCTION	
<b>INCOMPLETE PLANS</b>	
DO NOT USE FOR A/C W/ ADJUSTMENT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



LI- SLOAN STREET	-L3- BETTY STREET	-ROBT- ROUNDABOUT
PI Sta 42+12.52 Δ = 0° 52' 02.0" (LT) D = 0° 52' 02.0" L = 100.00 T = 50.00 R = 6606.75'	PI Sta 11+02.13 Δ = 44° 26' 33.3" (LT) D = 27° 55' 05.9" L = 193.92' T = 102.13' R = 250.00'	PI Sta 10+00.00 Δ = 39° 59' 14.2" (LT) D = 12° 19' 26.2" L = 282.23' T = 0.00' R = 45.00'
-Y3- GRIFFITH STREET		
PI Sta 15+69.48 Δ = 1° 52' 13.2" (RT) D = 28° 26' 04.7" L = 41.75' T = 20.95' R = 201.50'	PI Sta 15+49.16 Δ = 10° 11' 49.2" (RT) D = 8° 40' 52.2" L = 117.46' T = 58.89' R = 660.00'	PI Sta 17+67.45 Δ = 33° 15' 00.8" (LT) D = 28° 38' 52.4" L = 116.01' T = 59.72' R = 200.00'
PI Sta 18+75.19 Δ = 28° 24' 37.3" (RT) D = 28° 19' 28.3" L = 100.66' T = 51.39' R = 201.50'	PI Sta 19+77.84 Δ = 12° 11' 14.9" (LT) D = 10° 27' 33.0" L = 106.36' T = 53.38' R = 500.00'	

**PAVEMENT REMOVAL**  
REMOVE AND REPLACE  
EXISTING SIDEWALK AND  
DRIVEWAYS

RADI DIMENSIONS ARE TO THE EDGE  
OF PAVEMENT UNLESS OTHERWISE  
NOTED

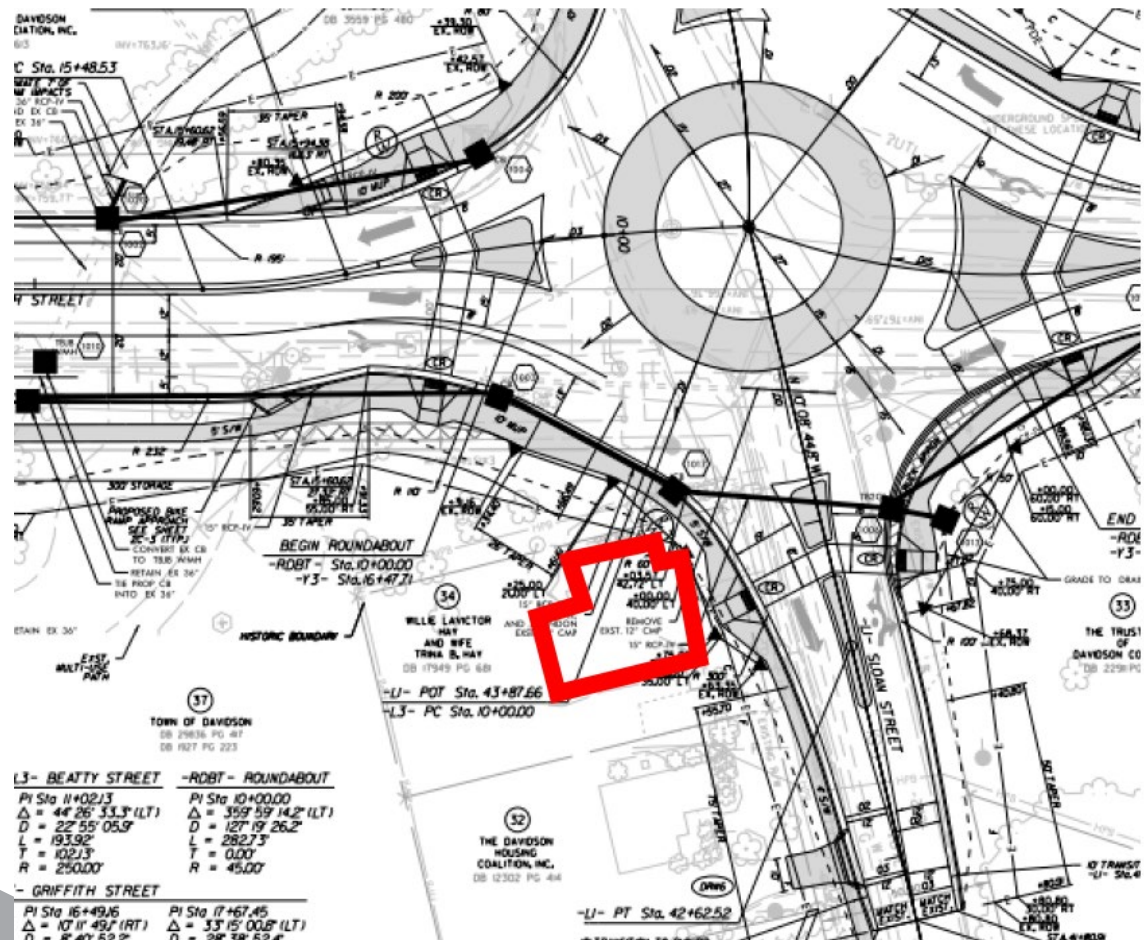
SEE SHEET 14 FOR -LI- PROFILE  
SEE SHEET 15 FOR -L2- PROFILE  
SEE SHEET 16 FOR -Y3- PROFILE  
SEE SHEET 16 FOR -ROBT- PROFILE

# Sidewalk along Potts





## House Relocation



# Process

- Planning
- Design
- Utility Coordination
- Real Estate Acquisition
- Utility Relocation
- Construction

# Construction Costs

Construction	\$ 2,000,000 +/-
Right of Way	\$ 700,000 +/-

## Schedule

Right of Way Plans

Q1 2019

Real Estate

Thru 2019

Construction Begins

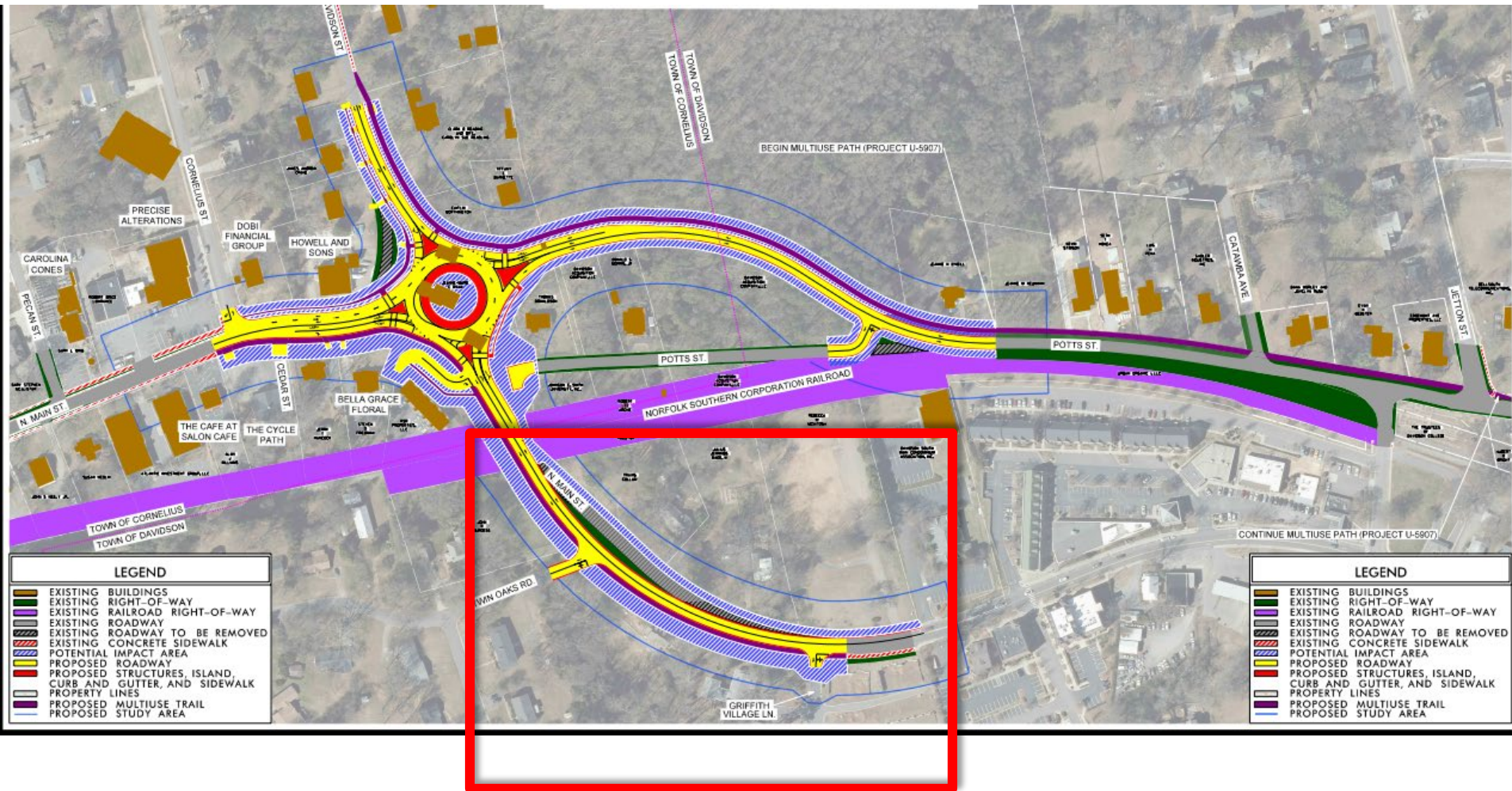
July 2020



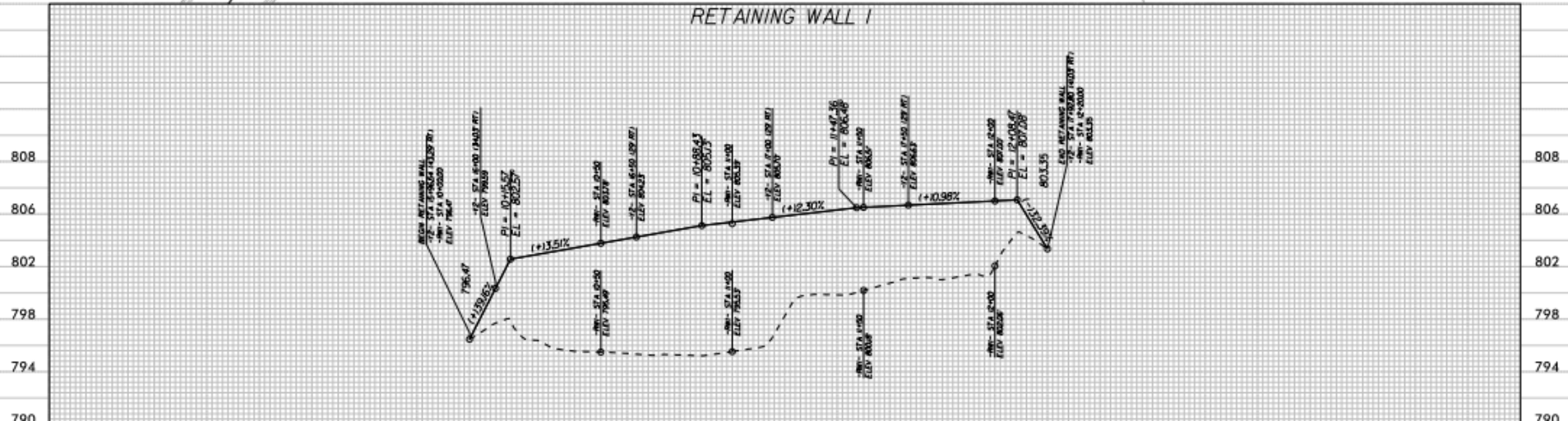
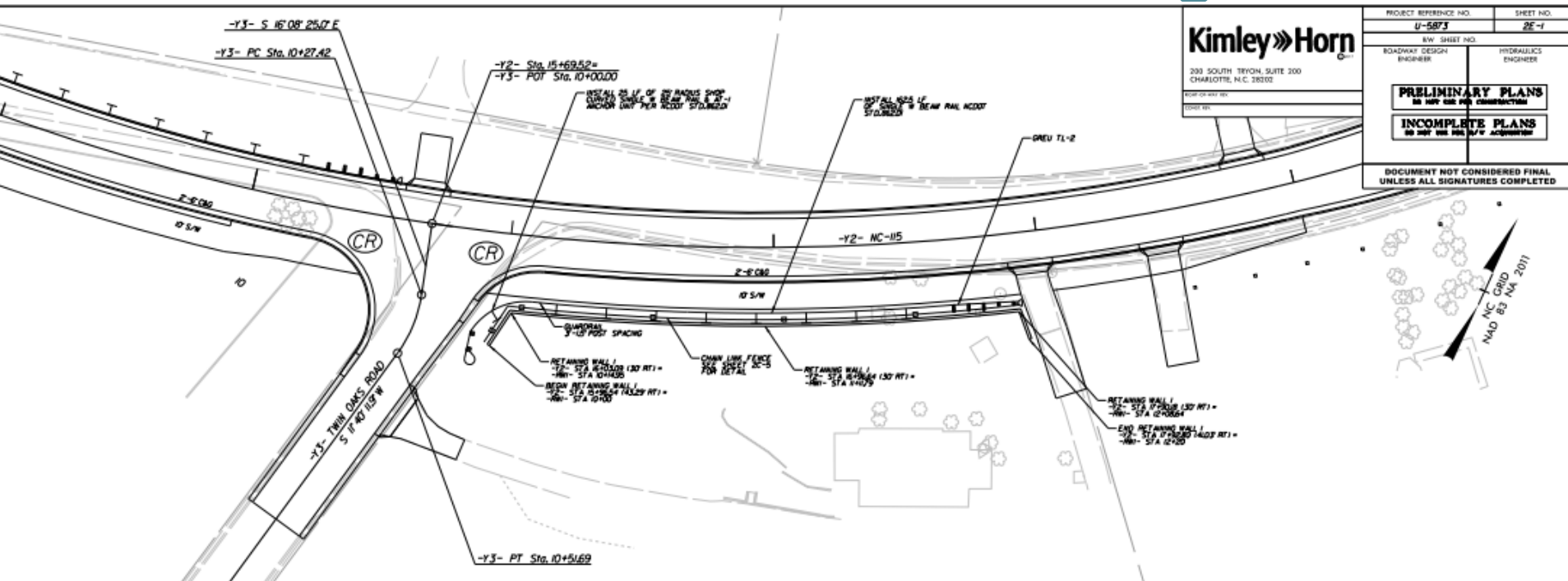
# U-5873

## Potts/NC 115 Intersection

# U-5873 – Portion in Davidson



# Davidson Green School – Retaining wall



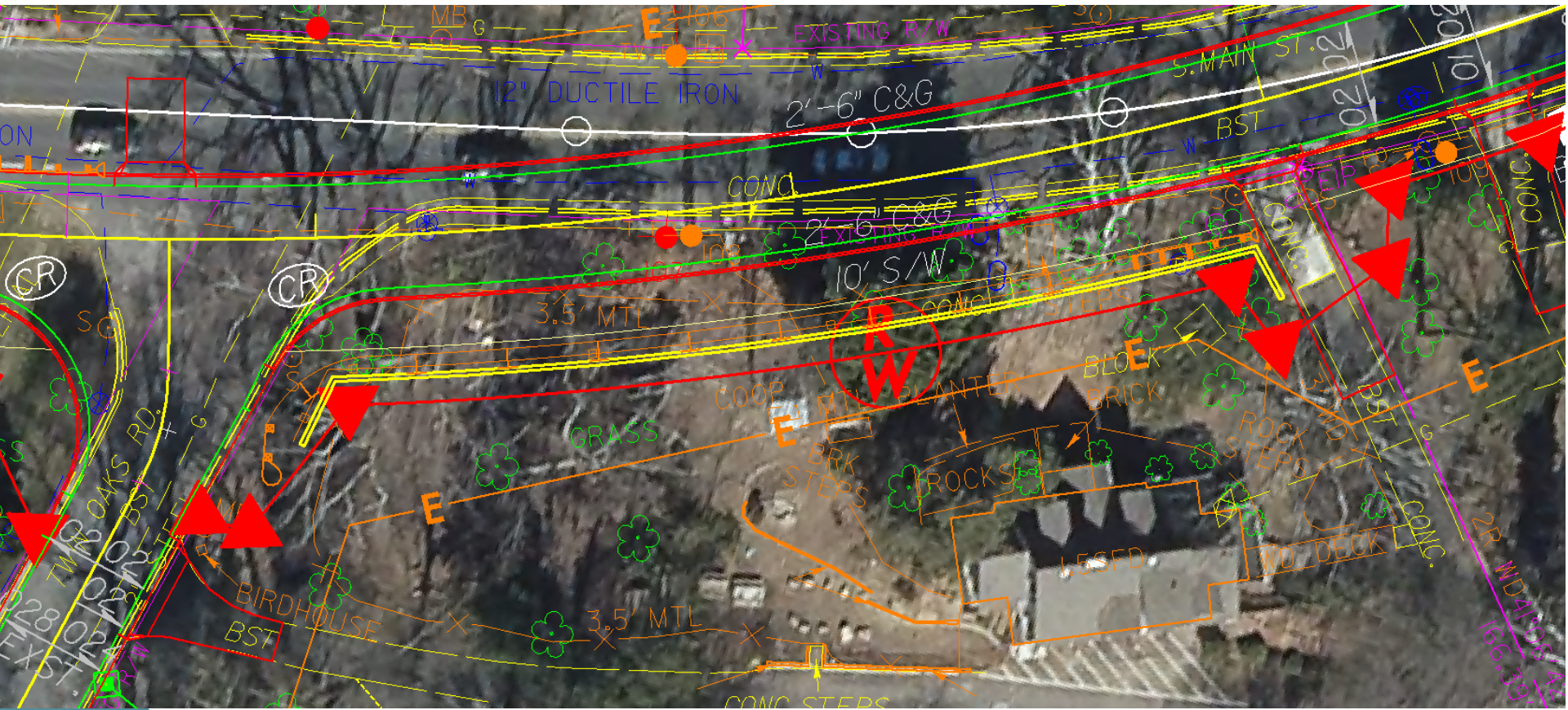


# Davidson Green School – Retaining wall



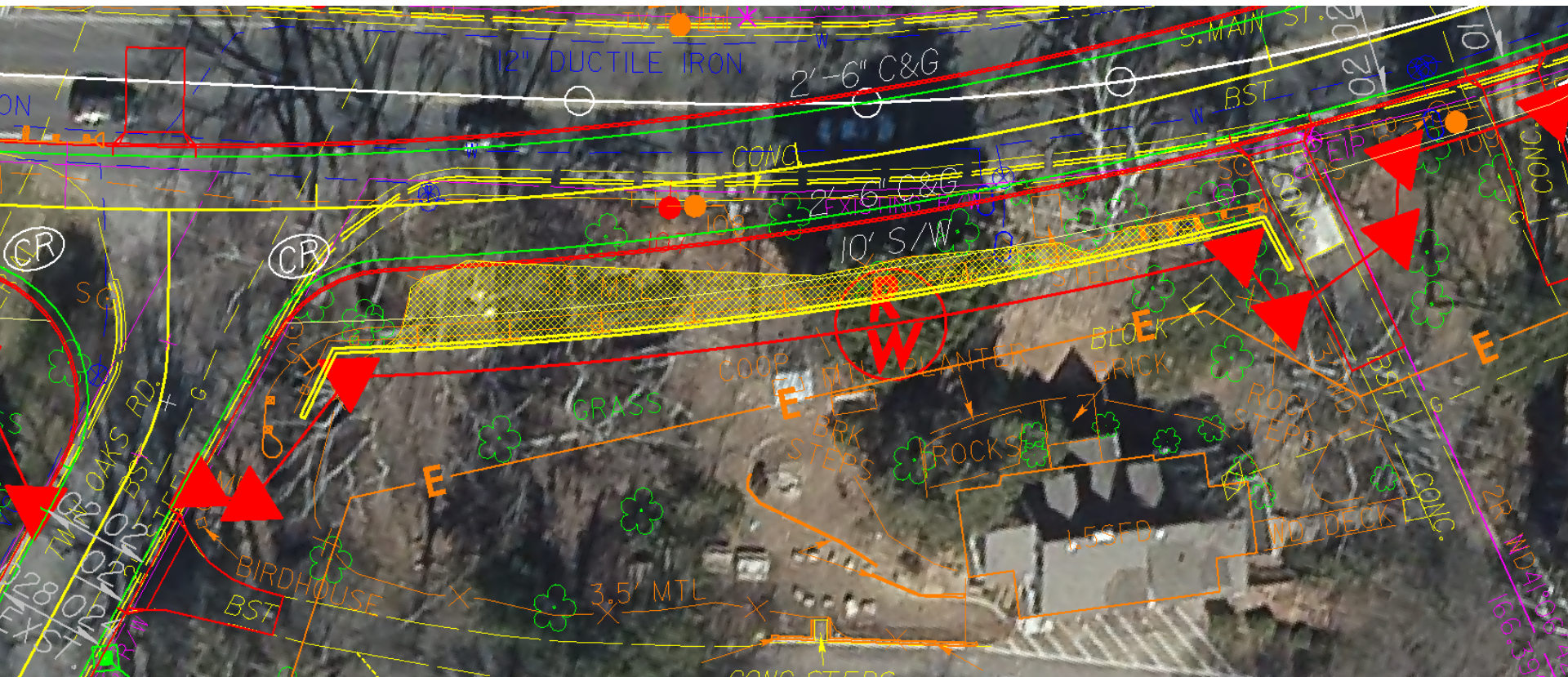


# Davidson Green School – Retaining wall



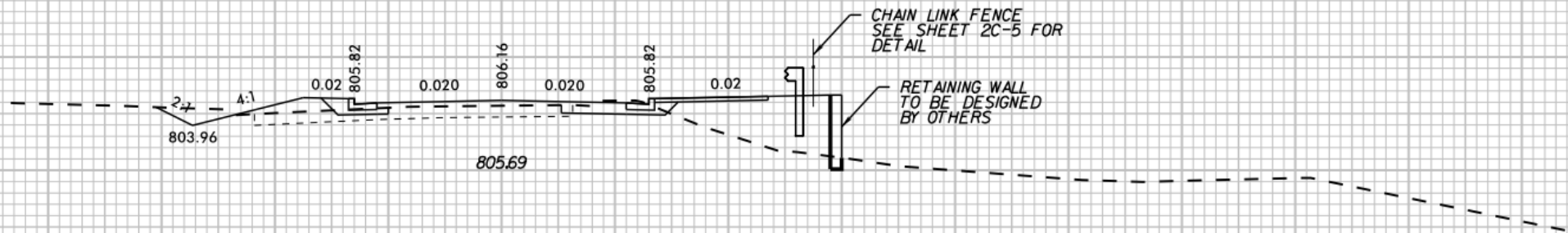


# Davidson Green School – Fence/Wall relationship

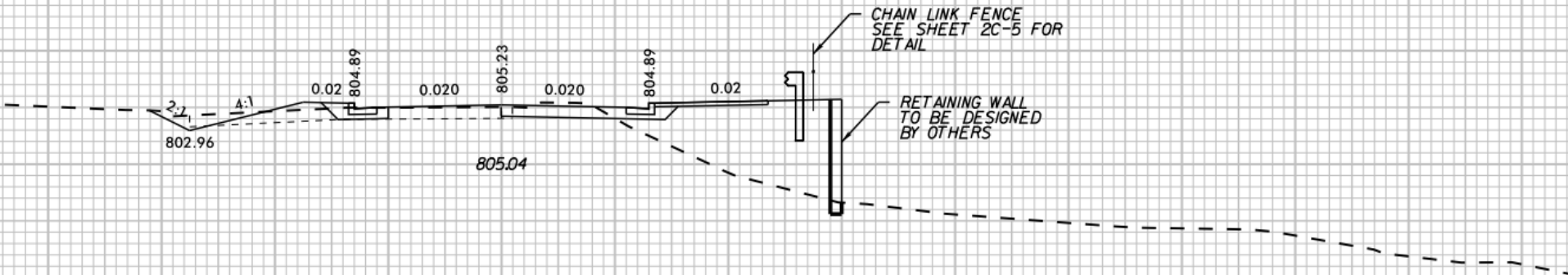


# Green School – Cross Sections at wall

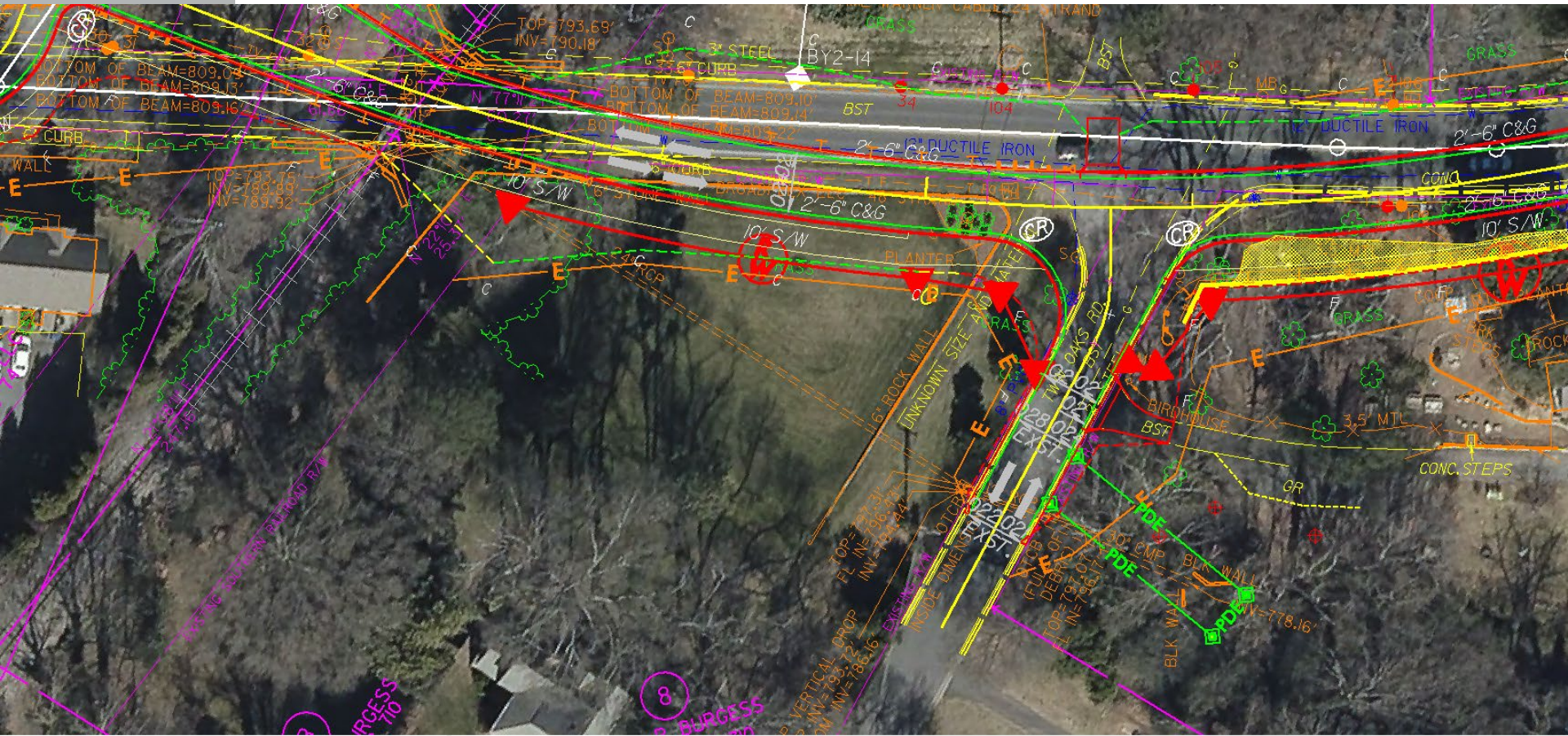
18+00.00



17+50.00







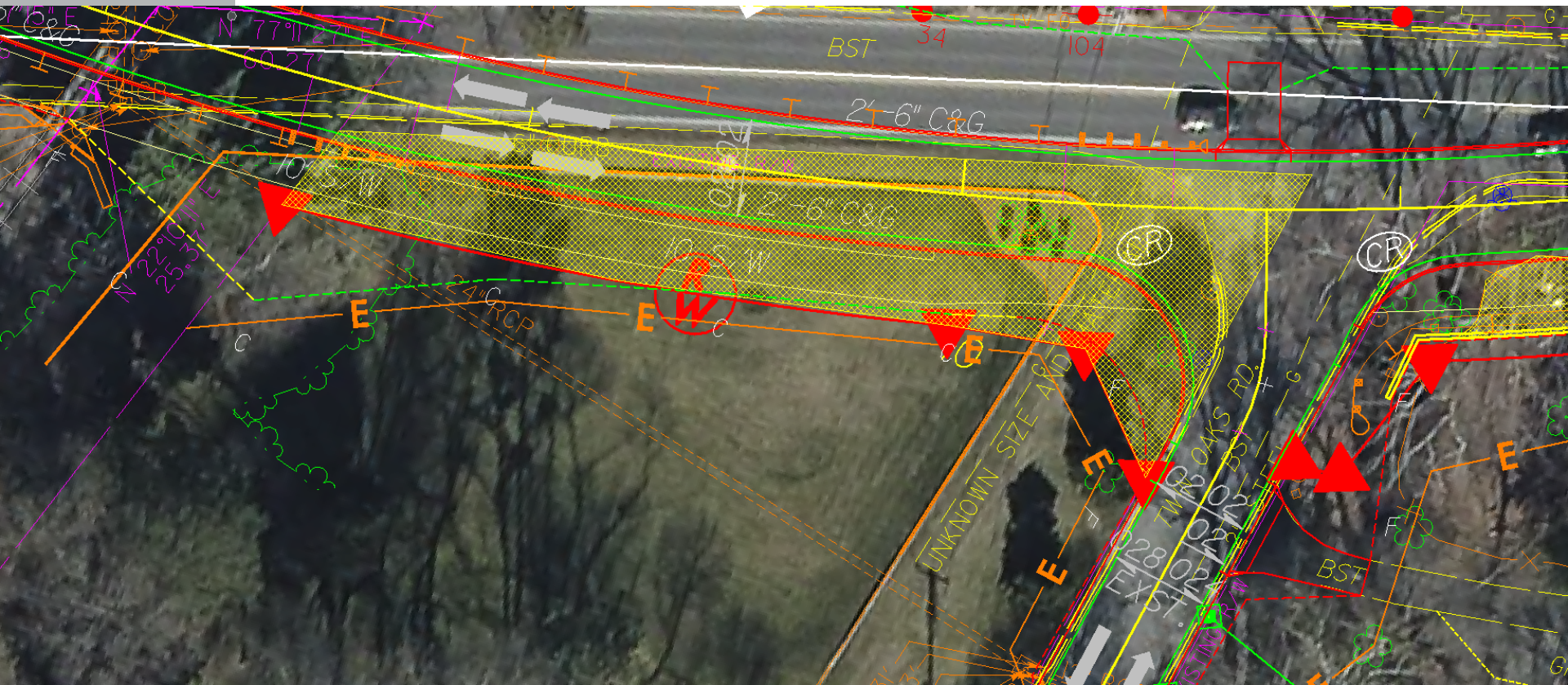


# Burgess Parcel

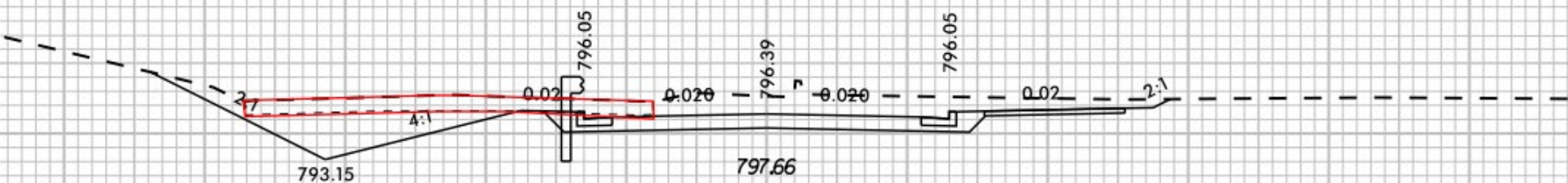




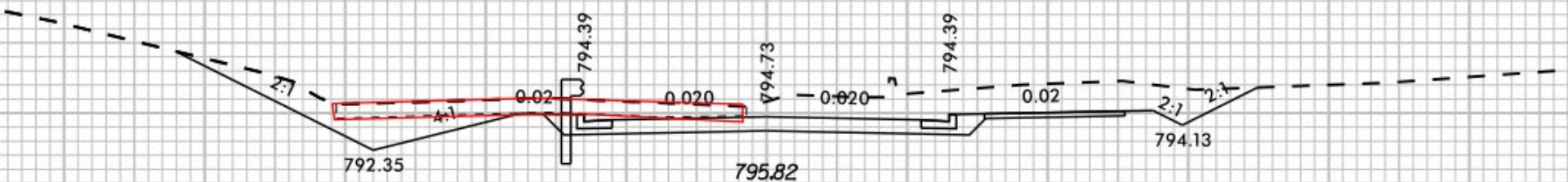
# Burgess Parcel







14 + 50.00



14 + 00.00

# Questions?

