

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
HIGHWAY DIVISION 6

# PLANS

**Letting Date: June 16, 2021**

**CONTRACT ID: D6D2.POC.009**

**TIP NO.: NA**

**FEDERAL AID NO.: 17106.1026014, 17106.1026015 & DF17106.2026015**

**WBS ELEMENT NO.: 17106.1026014, 17106.1026015 & DF17106.2026015**

**ROUTE NO.: US 401, SR 1108 & SR 2255**

**LOCATION: VARIOUS**

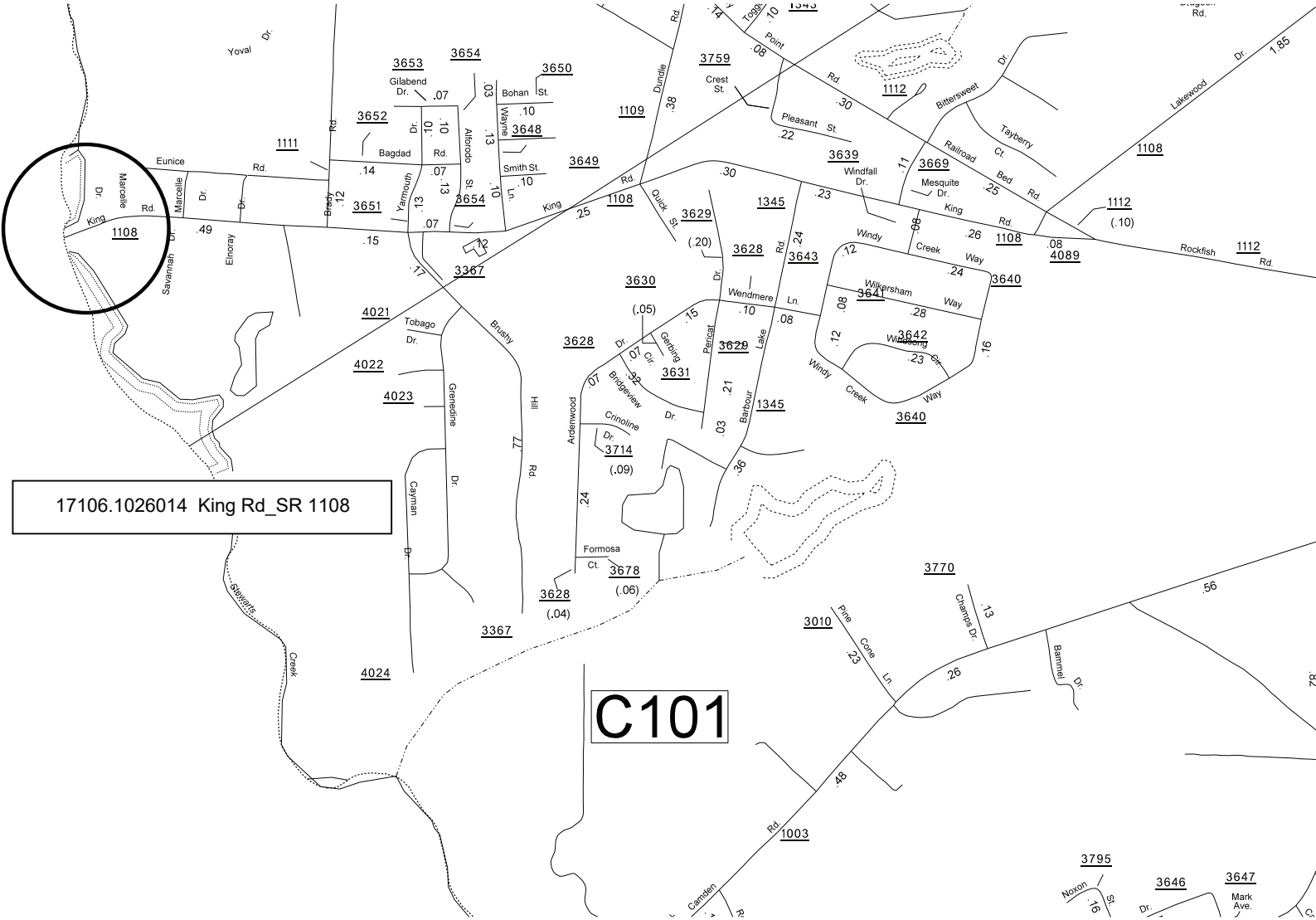
**COUNTY: CUMBERLAND**

**LENGTH OF PROJECT: VARIES**

**TYPE OF WORK: SHOULDER & SCOUR REPAIRS**

# **SITE NO. 1**

<b>WBS Number:</b>	<b>17106.1026014</b>
<b>Route:</b>	<b>SR 1108 - King Road</b>
<b>Location:</b>	<b>Bridge # 79 over Stewarts Creek</b>
<b>Coordinates:</b>	<b>(34.9813, -79.0481)</b>



17106.1026014 King Rd\_SR 1108

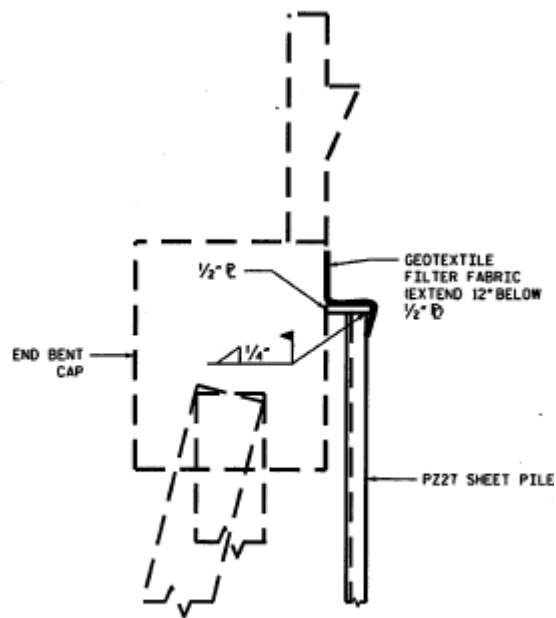
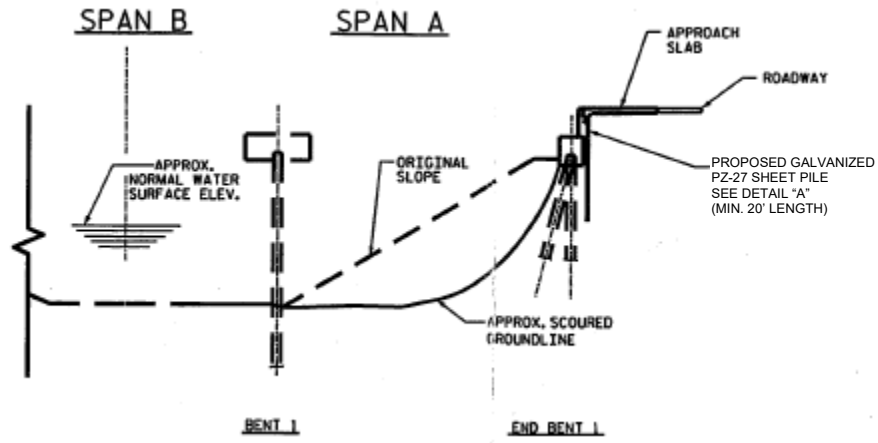
C101

3795  
Noxon Dr  
3646  
3647  
Mark Ave



- Remove concrete approach slab.
- Install permanent sheeting along fill face and wing walls.
- Backfill with 78M stone, place fabric and 8" of Incidental Stone.
- Patch back with 11" B25.0C mix.
- Mill an additional 25' beyond joint and tie into bridge with 1.5" S9.5B mix.
- Place Class B rip rap under bridge to cover up void at end bent.

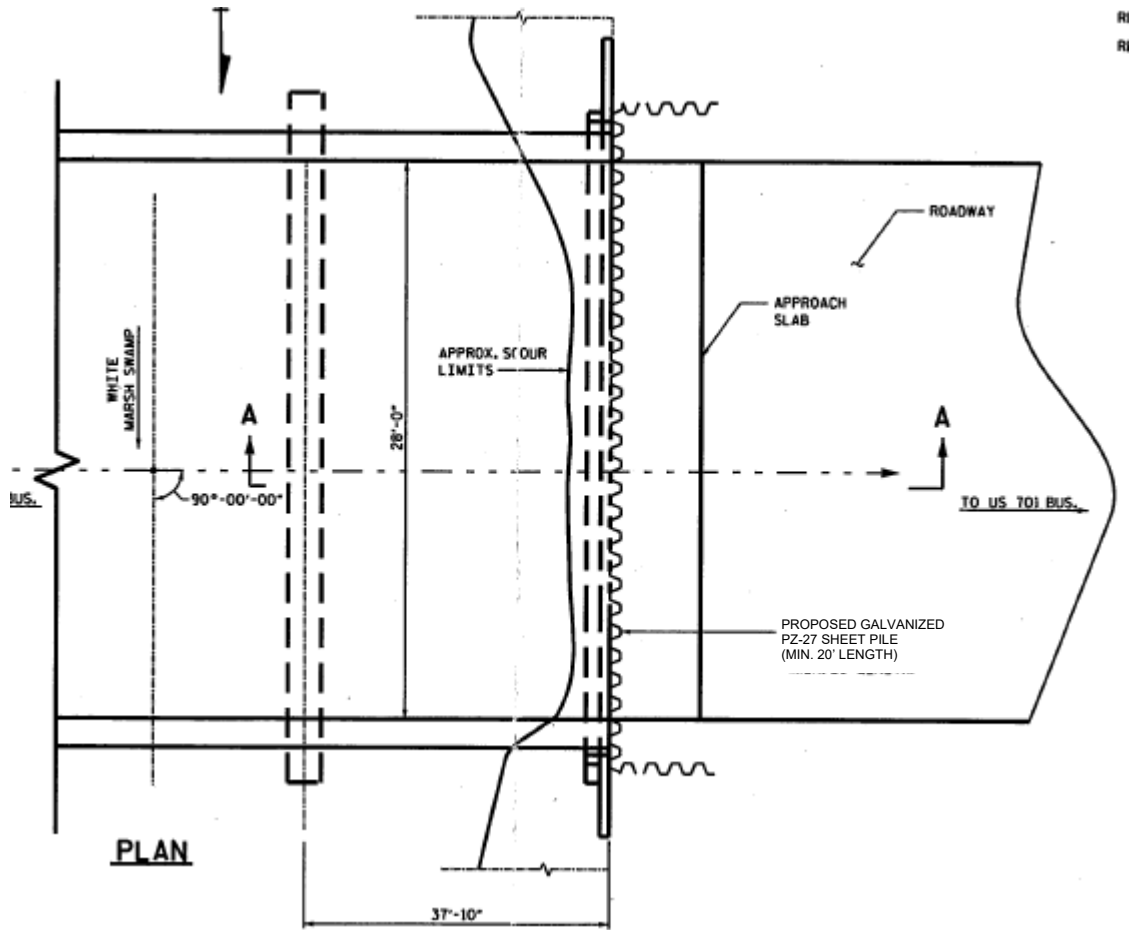




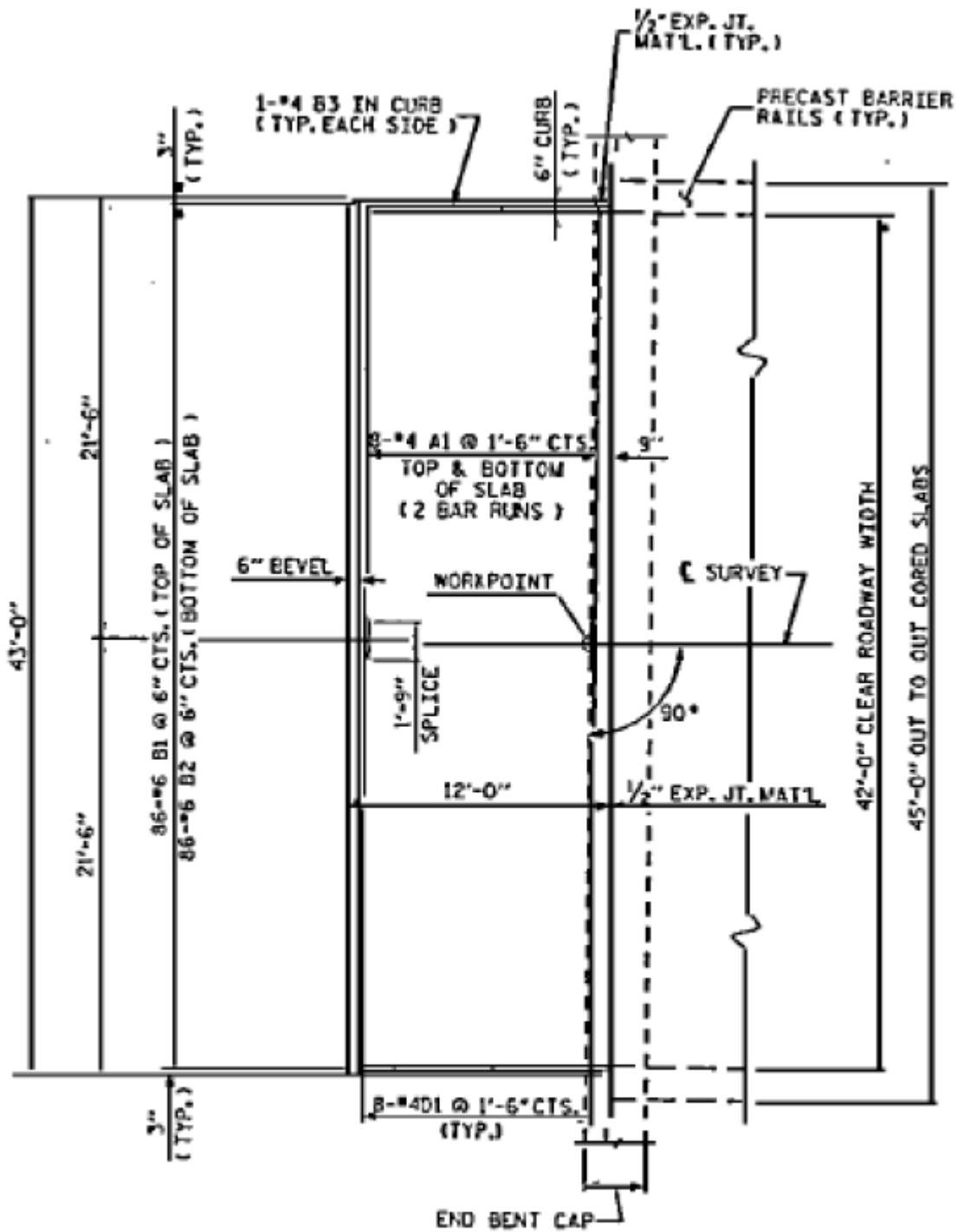
**DETAIL A**  
 NOTE: CUT SHEET PILE NEAR  
 MID-HEIGHT OF END BENT CAP.

TA 1

## Detail Proposed Sheet piling at End Bent Fill Face



**Plan View Proposed Sheetting at End Bent Fill Face**



**PLAN OF APPROACH SLAB**

**Approach Slab As-Built Plan Sheet**



## **SITE NO. 2**

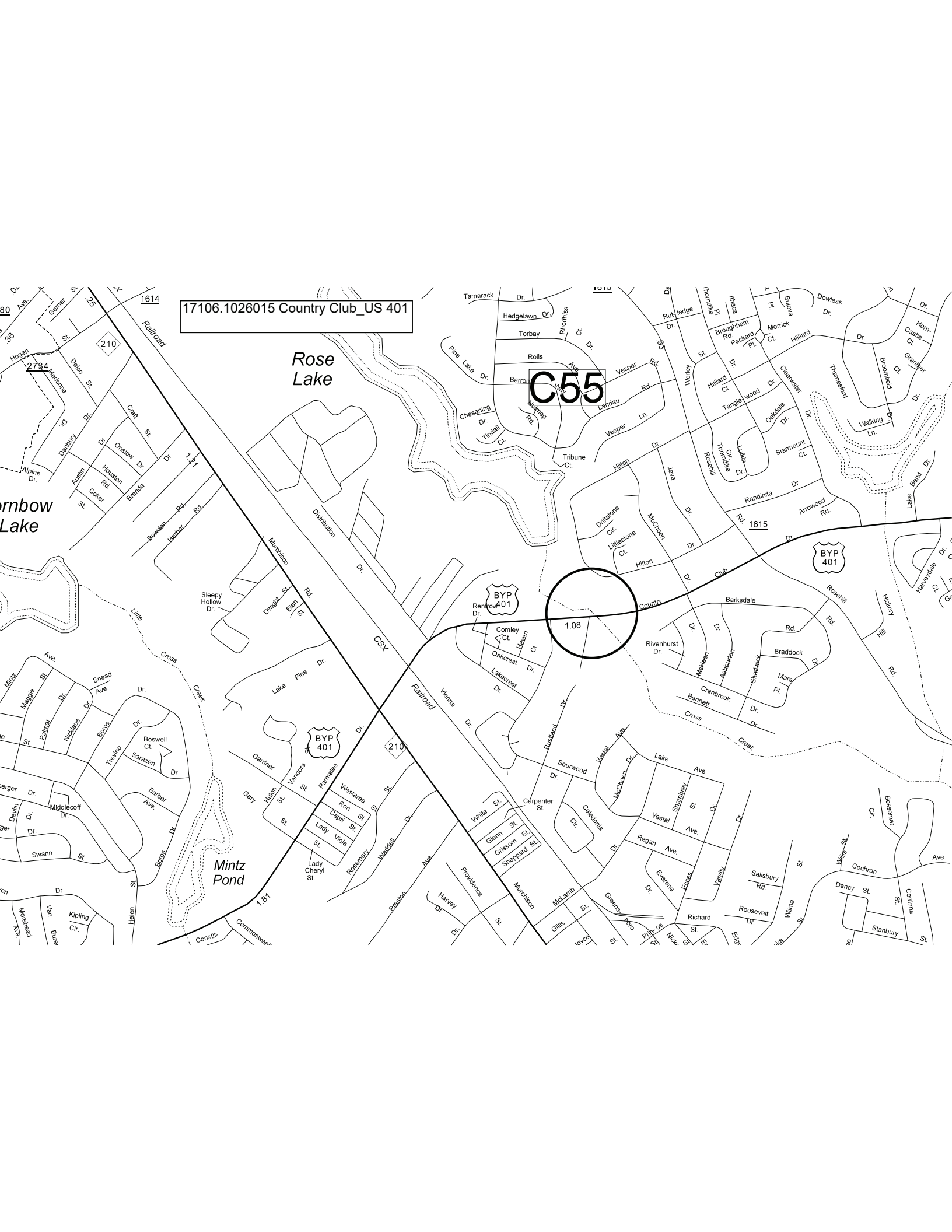
<b>WBS Number:</b>	<b>17106.1026015</b>
<b>Route:</b>	<b>US 401 - Country Club Drive</b>
<b>Location:</b>	<b>Culvert #55</b>
<b>Coordinates:</b>	<b>(35.1005, -78.9067)</b>

17106.1026015 Country Club\_US 401

Rose Lake

C55

1.08





- Fill in scour hole at toe wall of culvert with a combination of Class 2 and Class B Rip Rap.
- Scour hole is approximately 3' below invert in worst area.





- Fill in depression behind wing wall with Class B rip rap

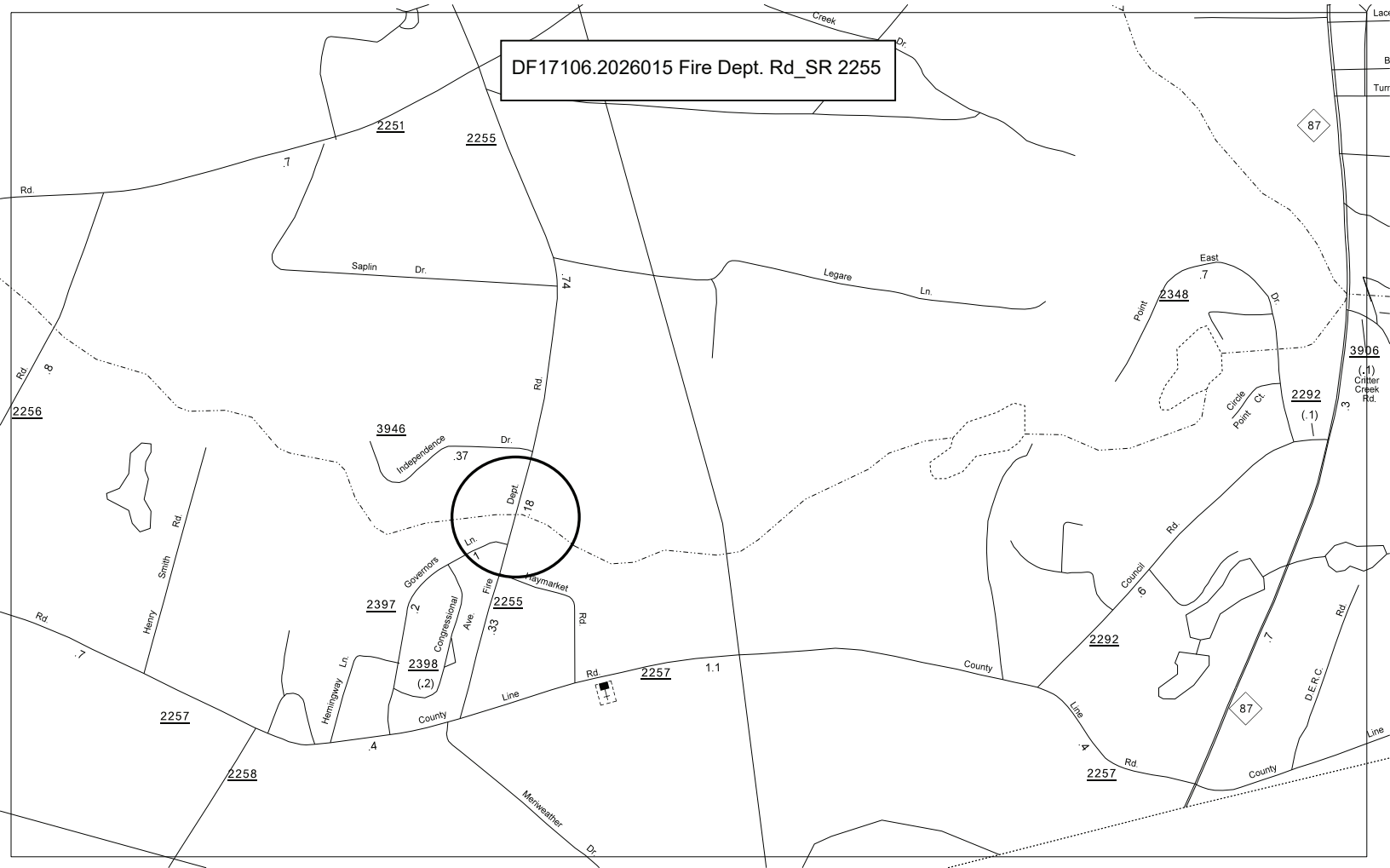


- Grade Slope and place matting on outlet end of slope.

## **SITE NO. 3**

<b>WBS Number:</b>	<b>DF17106.2026015</b>
<b>Route:</b>	<b>SR 2255 - Fire Department Road</b>
<b>Location:</b>	<b>Culvert #16</b>
<b>Coordinates:</b>	<b>(34.8535, -78.8765)</b>

DF17106.2026015 Fire Dept. Rd\_SR 2255



87

3906  
(1)  
Cliff Creek Rd.

87



- Rebuild slope at location of scour.
- Place Class 2 rip rap along slope directly in front of dam opening. Fill in with class B.
- Place Class 2 check at opening of dam to slow down flow prior to reaching slope.





- Backfill voids behind wingwalls







- Place topsoil and grade low/bare areas along the shoulders on both sides of the road.
- Seed and mulch any disturbed areas and place matting at location of rip rap.

