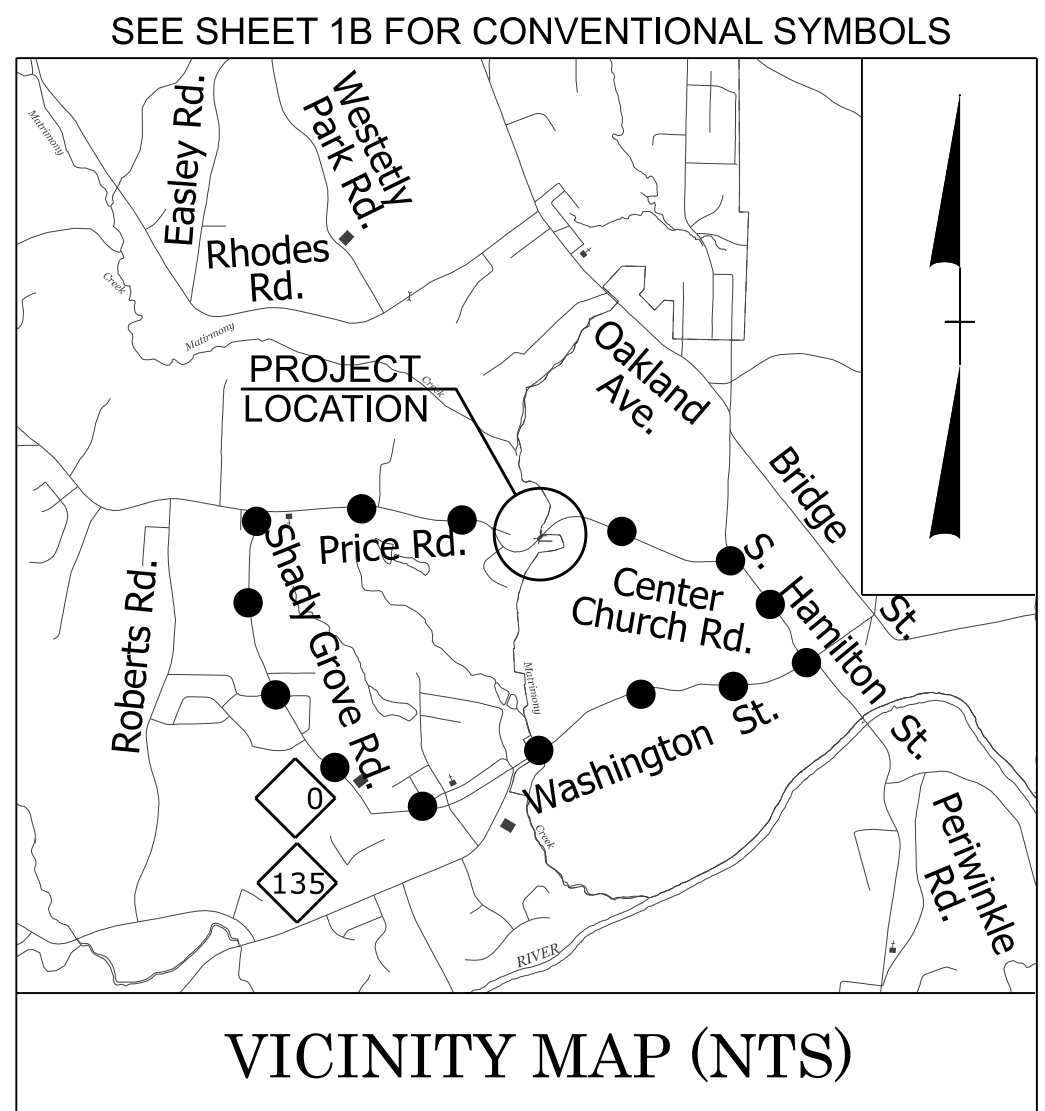


**TIP PROJECT: HB-0035**

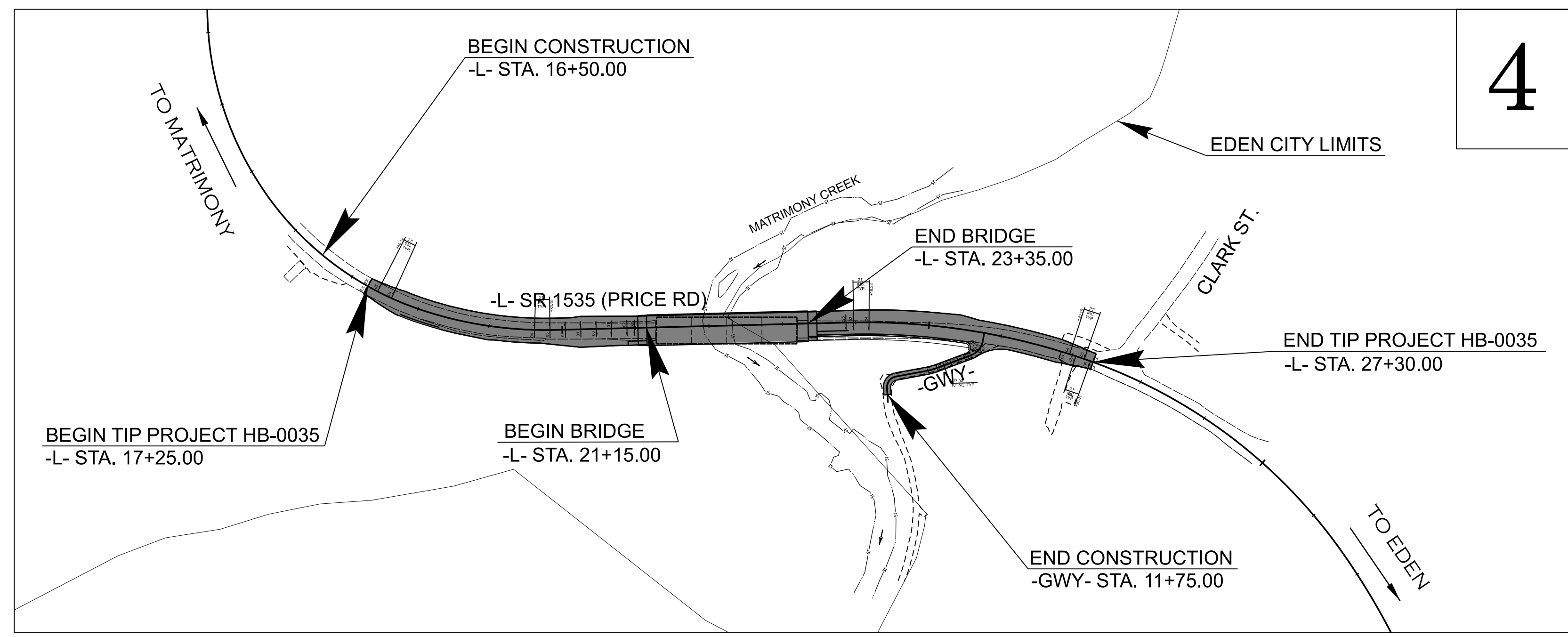
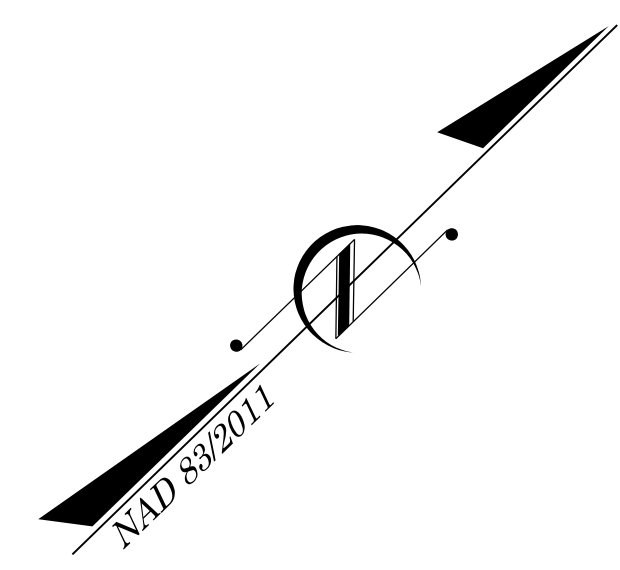


● OFFSITE DETOUR ROUTE

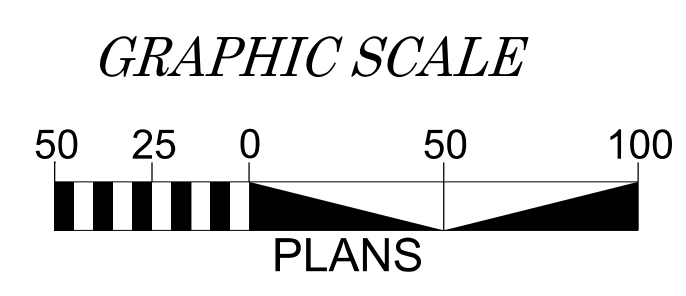
STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
 PLAN FOR PROPOSED  
 HIGHWAY EROSION CONTROL  
**ROCKINGHAM COUNTY**

*LOCATION: REPLACE BRIDGE #780177 ON SR 1535 (PRICE ROAD)  
 OVER MATRIMONY CREEK IN EDEN  
 TYPE OF WORK: GRADING, DRAINAGE, PAVING, & STRUCTURE*

| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C.            | HB-0035                     | EC-11       |              |
| STATE PROJ. NO. | F. A. PROJ. NO.             | DESCRIPTION |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |



THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL STORMWATER CONSTRUCTION PERMIT ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES.

Prepared in the Office of:  
**Summit Design  
 And Engineering Services**  
 1000 Social St. Suite 800.  
 Raleigh, NC 27609

Voice: (919) 732-3883  
 Fax: (919) 732-6776  
 www.summitde.net

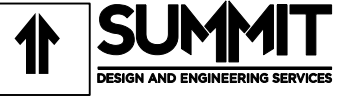
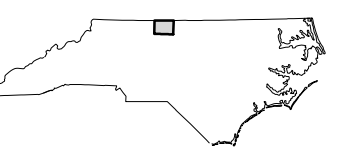
Designed by:  
**HE YANG** **4408**  
 NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

# DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

## EROSION & SEDIMENT CONTROL LEGEND



| Std. #  | Description                      | Symbol | Std. #  | Description  | Symbol |
|---------|----------------------------------|--------|---------|--|--------|
| 1605.01 | Temporary Silt Fence             |        | 1633.01 | Temporary Rock Silt Check Type A                                       |        |
| 1606.01 | Special Sediment Control Fence   |        | 1633.02 | Temporary Rock Silt Check Type B                                       |        |
| 1622.01 | Temporary Berms and Slope Drains |        | 1633.03 | Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant |        |
| 1630.02 | Silt Basin Type B                |        | 1634.01 | Temporary Rock Sediment Dam Type A                                     |        |
| 1630.03 | Temporary Silt Ditch             |        | 1634.02 | Temporary Rock Sediment Dam Type B                                     |        |
| 1630.04 | Stilling Basin                   |        | 1635.01 | Rock Pipe Inlet Sediment Trap Type A                                   | A      |
| 1630.05 | Temporary Diversion              |        | 1635.02 | Rock Pipe Inlet Sediment Trap Type B                                   | B      |
| 1630.06 | Special Stilling Basin           |        | 1636.01 | Excelsior Wattle Check   |        |
| 1630.07 | Skimmer Basin                    |        | 1636.01 | Excelsior Wattle Check with Flocculant                                 |        |
| 1630.08 | Tiered Skimmer Basin             |        | 1636.01 | Coir Fiber Wattle Check  |        |
| 1630.09 | Earthen Dam with Skimmer         |        | 1636.01 | Coir Fiber Wattle Check with Flocculant                                |        |
|         | Infiltration Basin               |        | 1636.02 | Silt Fence Excelsior Wattle Break                                      |        |
|         | Rock Inlet Sediment Trap:        |        |         | Silt Fence Coir Fiber Wattle Break                                     |        |
| 1632.01 | Type A                           | A      | 1636.03 | Excelsior Wattle Barrier   |        |
| 1632.02 | Type B                           | B      | 1636.03 | Coir Fiber Wattle Barrier  |        |
| 1632.03 | Type C                           | C      |         |  |        |

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

---

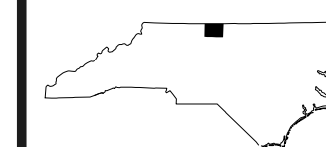


---

# *SOIL STABILIZATION TIMEFRAMES*

HB-0035

EC-3

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
ROCKINGHAM COUNTY

PLANS PREPARED BY:



NC FIRM LICENSE No: C-5176  
1000 Social St, Suite 800,  
Raleigh, NC 27609  
(919) 732-3883  
(919) 732-6676 (FAX)

| <i>SITE DESCRIPTION</i>                      | <i>STABILIZATION TIME</i> | <i>TIMEFRAME EXCEPTIONS</i>   |
|--|---------------------------|---|
| PERIMETER DIKES, SWALES, DITCHES AND SLOPES  | 7 DAYS                    | NONE  |
| HIGH QUALITY WATER (HQW) ZONES               | 7 DAYS                    | NONE  |
| SLOPES STEEPER THAN 3:1                      | 7 DAYS                    | IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.  |
| SLOPES 3:1 TO 4:1                            | 14 DAYS                   | 7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1.<br>7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES |
| ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1 | 14 DAYS                   | 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES   |



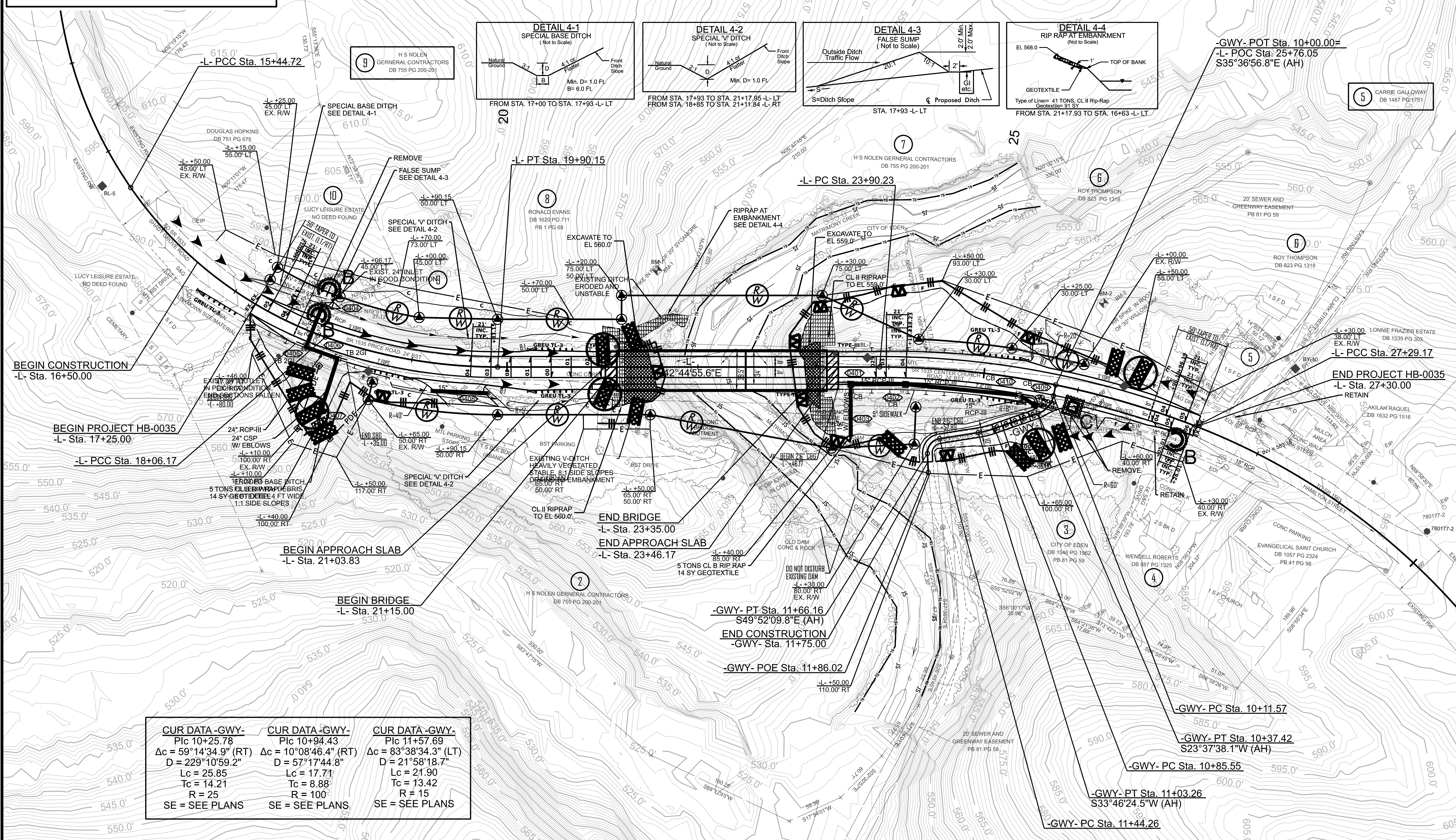
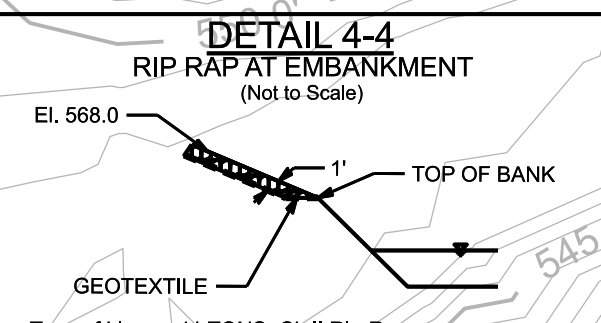
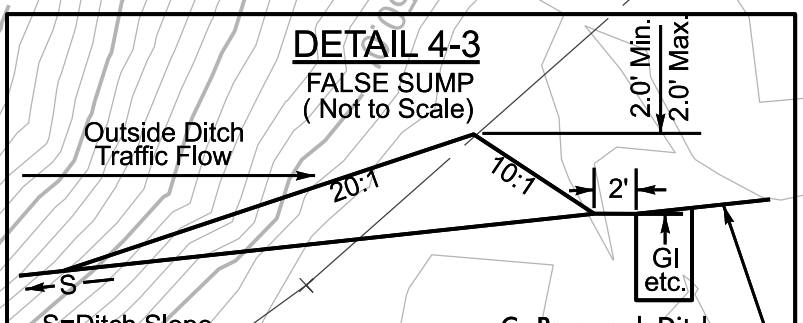
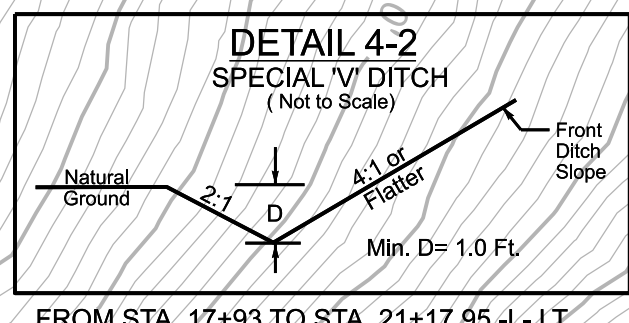
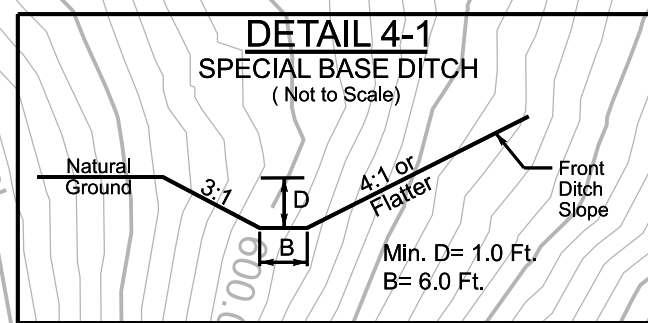


CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 4

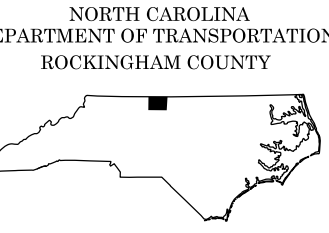
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

NOTE:  
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING  
BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

|   |   |  |   |   |  |
|---|---|--|---|---|--|
| <b>CUR DATA -L-</b><br>Plc 13+47.22<br>$\Delta c = 55^{\circ}51'48.7''$ (LT)<br>$D = 12^{\circ}54'16.0''$<br>Lc = 432.90<br>Tc = 235.40<br>R = 444<br>SE = Exist. | <b>CUR DATA -L-</b><br>Plc 16+79.84<br>$\Delta c = 35^{\circ}40'00.9''$ (LT)<br>$D = 13^{\circ}38'30.7''$<br>Lc = 261.45<br>Tc = 135.12<br>R = 420<br>SE = Exist. | <b>CUR DATA -L-</b><br>Plc 18+99.08<br>$\Delta c = 19^{\circ}42'12.6''$ (LT)<br>$D = 10^{\circ}42'34.2''$<br>Lc = 183.98<br>Tc = 92.91<br>R = 535<br>SE = 04<br>RO = 84' | <b>CUR DATA -L-</b><br>Plc 25+61.66<br>$\Delta c = 21^{\circ}13'23.8''$ (RT)<br>$D = 06^{\circ}15'42.6''$<br>Lc = 338.93<br>Tc = 171.43<br>R = 915<br>SE = 04<br>RO = 84' | <b>CUR DATA -L-</b><br>Plc 29+51.10<br>$\Delta c = 34^{\circ}43'00.0''$ (RT)<br>$D = 08^{\circ}04'11.4''$<br>Lc = 430.20<br>Tc = 221.93<br>R = 710<br>SE = Exist. | <b>CUR DATA -L-</b><br>Plc 32+46.01<br>$\Delta c = 10^{\circ}38'41.0''$ (RT)<br>$D = 06^{\circ}09'39.0''$<br>Lc = 172.78<br>Tc = 86.64<br>R = 930<br>SE = Exist. |
|---|---|--|---|---|--|



|  |   |   |
|--|---|---|
| <b>CUR DATA -GWY-</b><br>Plc 10+25.78<br>$\Delta c = 59^{\circ}14'34.9''$ (RT)<br>$D = 229^{\circ}10'59.2''$<br>Lc = 25.85<br>Tc = 14.21<br>R = 25<br>SE = SEE PLANS | <b>CUR DATA -GWY-</b><br>Plc 10+94.43<br>$\Delta c = 10^{\circ}08'46.4''$ (RT)<br>$D = 57^{\circ}17'44.8''$<br>Lc = 17.71<br>Tc = 8.88<br>R = 100<br>SE = SEE PLANS | <b>CUR DATA -GWY-</b><br>Plc 11+57.69<br>$\Delta c = 83^{\circ}38'34.3''$ (LT)<br>$D = 21^{\circ}58'18.7''$<br>Lc = 21.90<br>Tc = 13.42<br>R = 15<br>SE = SEE PLANS |
|--|---|---|



ROADWAY DESIGN ENGINEER

HYDRAULIC DESIGN ENGINEER

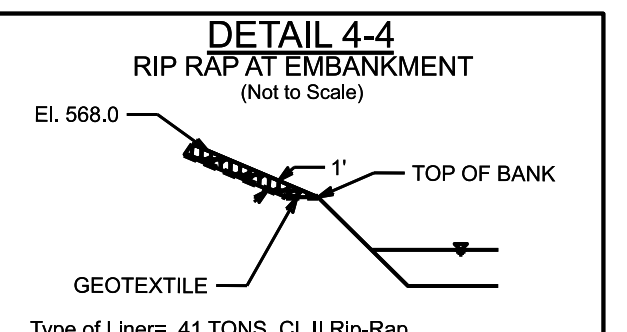
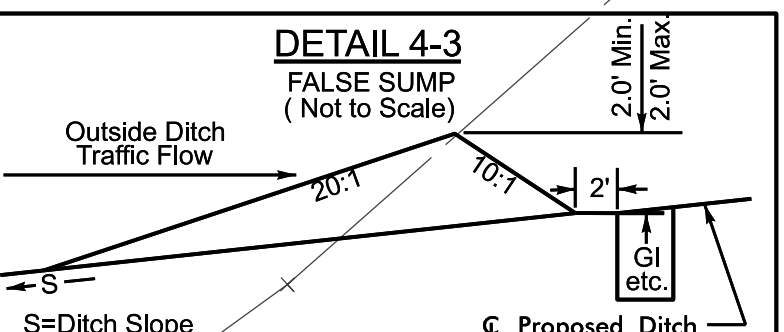
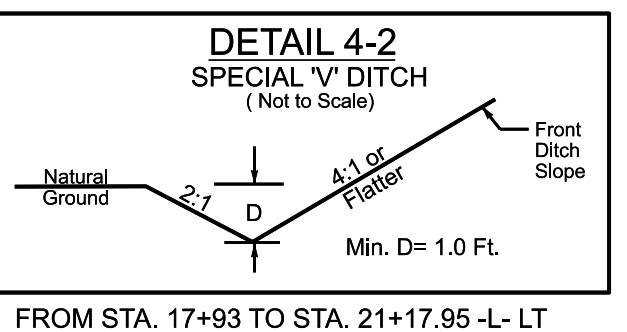
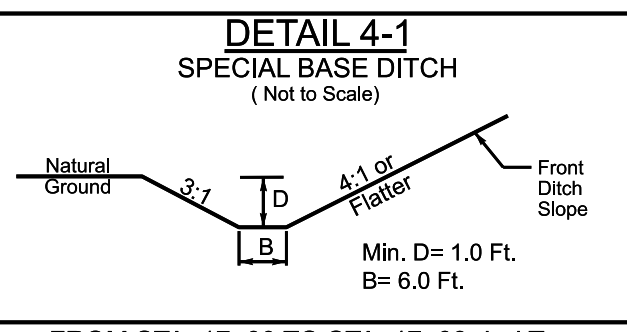
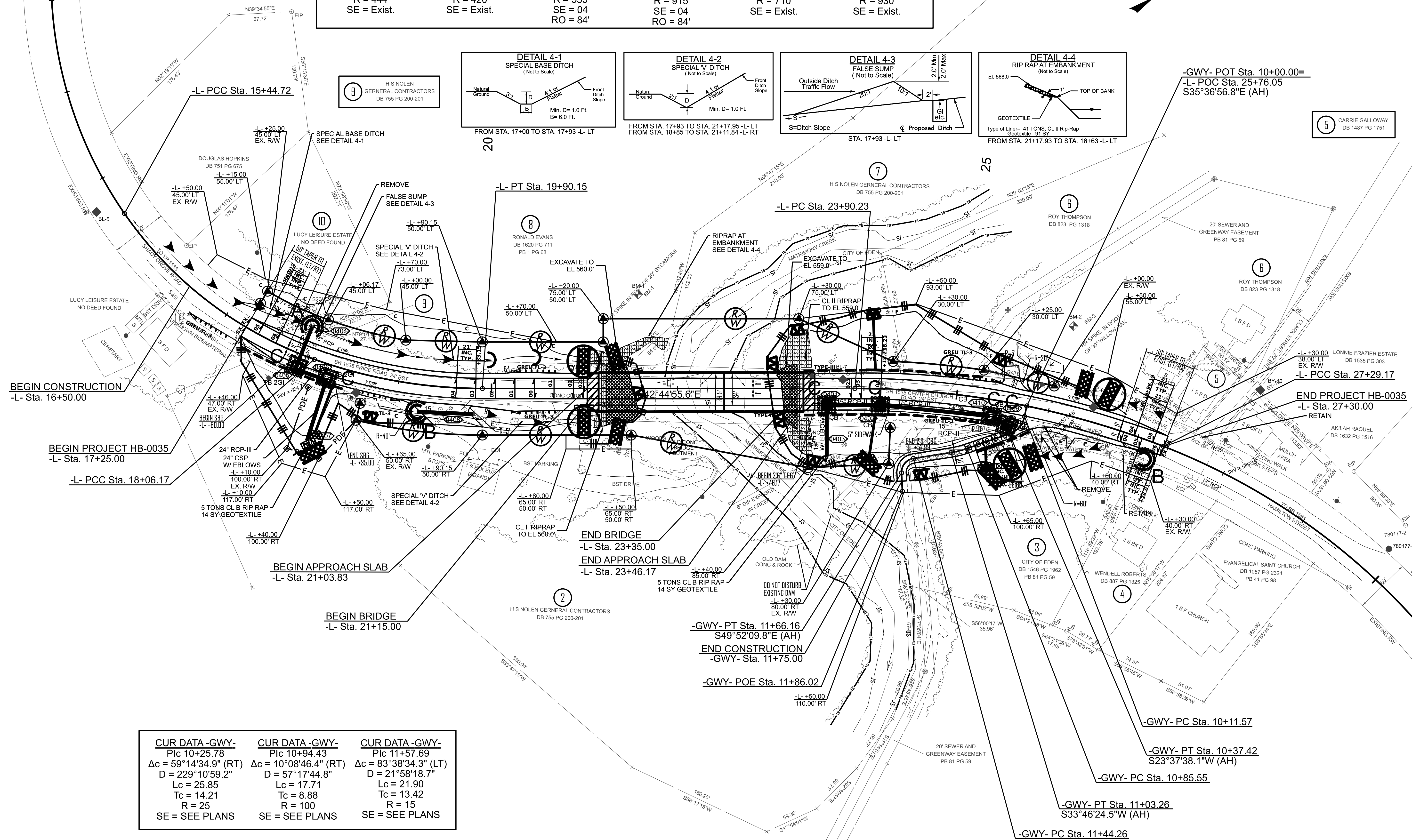
PLANS PREPARED BY:



NC FIRM LICENSE No: C-5176  
1000 Social St. Suite 900,  
Raleigh, NC 27609  
(919) 732-3883  
(919) 732-6676 (FAX)

NOTE:  
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

|   |   |  |   |   |  |
|---|---|--|---|---|--|
| <b>CUR DATA -L-</b><br>Plc 13+47.22<br>$\Delta c = 55^{\circ}51'48.7''$ (LT)<br>D = 12°54'16.0"<br>Lc = 432.90<br>Tc = 235.40<br>R = 444<br>SE = Exist. | <b>CUR DATA -L-</b><br>Plc 16+79.84<br>$\Delta c = 35^{\circ}40'00.9''$ (LT)<br>D = 13°38'30.7"<br>Lc = 261.45<br>Tc = 135.12<br>R = 420<br>SE = Exist. | <b>CUR DATA -L-</b><br>Plc 18+99.08<br>$\Delta c = 19^{\circ}42'12.6''$ (LT)<br>D = 10°42'34.2"<br>Lc = 183.98<br>Tc = 92.91<br>R = 535<br>SE = 04<br>RO = 84' | <b>CUR DATA -L-</b><br>Plc 25+61.66<br>$\Delta c = 21^{\circ}13'23.8''$ (RT)<br>D = 06°15'42.6"<br>Lc = 338.93<br>Tc = 171.43<br>R = 915<br>SE = 04<br>RO = 84' | <b>CUR DATA -L-</b><br>Plc 29+51.10<br>$\Delta c = 34^{\circ}43'00.0''$ (RT)<br>D = 08°04'11.4"<br>Lc = 430.20<br>Tc = 221.93<br>R = 710<br>SE = Exist. | <b>CUR DATA -L-</b><br>Plc 32+46.01<br>$\Delta c = 10^{\circ}38'41.0''$ (RT)<br>D = 06°09'39.0"<br>Lc = 172.78<br>Tc = 86.64<br>R = 930<br>SE = Exist. |
|---|---|--|---|---|--|



|  |   |   |
|--|---|---|
| <b>CUR DATA -GWY-</b><br>Plc 10+25.78<br>$\Delta c = 59^{\circ}14'34.9''$ (RT)<br>D = 229°10'59.2"<br>Lc = 25.85<br>Tc = 14.21<br>R = 25<br>SE = SEE PLANS | <b>CUR DATA -GWY-</b><br>Plc 10+94.43<br>$\Delta c = 10^{\circ}08'46.4''$ (RT)<br>D = 57°17'44.8"<br>Lc = 17.71<br>Tc = 8.88<br>R = 100<br>SE = SEE PLANS | <b>CUR DATA -GWY-</b><br>Plc 11+57.69<br>$\Delta c = 83^{\circ}38'34.3''$ (LT)<br>D = 21°58'18.7"<br>Lc = 21.90<br>Tc = 13.42<br>R = 15<br>SE = SEE PLANS |
|--|---|---|

**HB-0035**  
EC/CONST. 005/004

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
ROCKINGHAM COUNTY

**ROADWAY DESIGN ENGINEER**

**HYDRAULIC DESIGN ENGINEER**

PLANS PREPARED BY:  
**SUMMIT**  
DESIGN AND ENGINEERING SERVICES

NC FIRM LICENSE No: C-5176  
1000 Social St. Suite 900,  
Raleigh, NC 27609  
(919) 732-3883  
(919) 732-6676 (FAX)