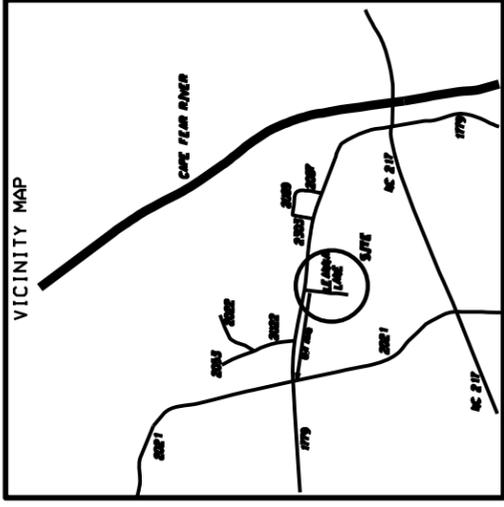


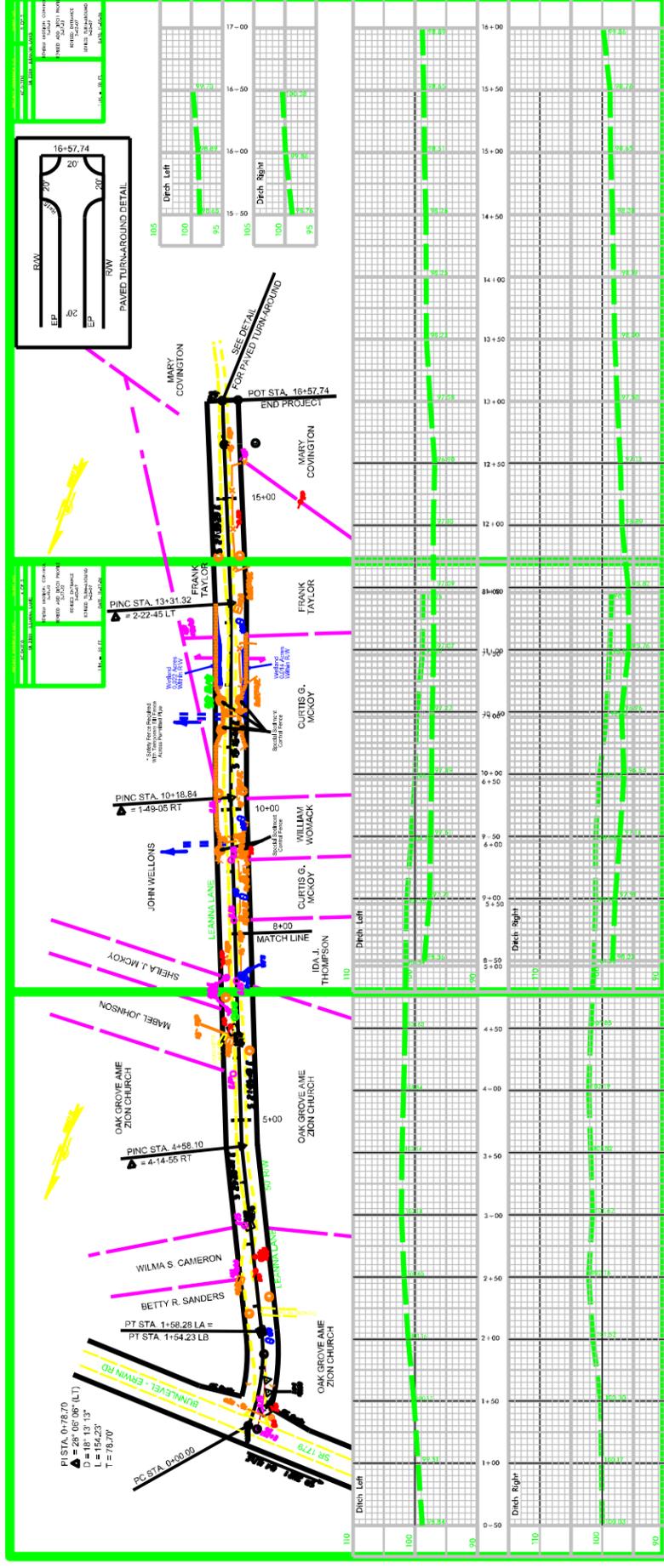
# TIP PROJECT: X-XXXX



## STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

Note: Type A Rock Silt Checks  
Front and Back Slopes - 3:1  
Check Height - 1.5'

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL  
REQUIRE PRIOR APPROVAL BY ENGINEER.  
ADDITIONAL EROSION CONTROL DEVICES MAY  
NEED TO BE INSTALLED AS DIRECTED BY THE  
ENGINEER.



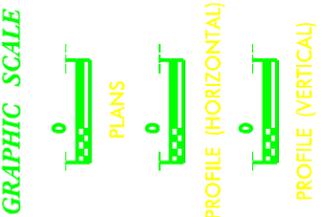
Ditch Lining Legend & Schedule

Mattling
0+50 - 2+50 (LL)
1+50 - 2+50 (RL)
5+50 - 7+50 (LL)
6+50 - 7+00 (RL)
8+50 - 9+00 (LL)
9+00 - 12+00 (RL)
12+50 - 13+50 (LL)
16+00 - 16+50 (LL & RL)

### EROSION AND SEDIMENT CONTROL MEASURES

- 1630.05** Temporary Silt Ditch
- 1630.06** Temporary Diversion
- 1630.01** Temporary Silt Fence
- 1630.01** Special Sediment Control Fence
- 1630.01** Temporary Berms and Slope Drains
- 1630.01** Silt Basin Type B
- 1630.01** Temporary Rock Silt Check Type-A
- 1630.01** Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)
- 1630.01** Temporary Rock Silt Check Type-B
- 1630.01** Wattle / Coir Fiber Wattle
- 1630.01** Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)
- 1630.01** Temporary Rock Sediment Dam Type-A
- 1630.01** Temporary Rock Sediment Dam Type-B
- 1630.01** Rock Pipe Inlet Sediment Trap Type-A
- 1630.01** Rock Pipe Inlet Sediment Trap Type-B
- 1630.04** Stilling Basin
- 1630.06** Special Skimming Basin
- 1630.01** Rock Inlet Sediment Traps Type A
- 1630.01** Type B
- 1630.01** Type C
- 1630.01** Skimmer Basin
- 1630.01** Tiered Skimmer Basin
- 1630.01** Infiltration Basin

STATE	STATE PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
N.C.	60610	1 of 5	5
DATE	BY	CHECKED	DESCRIPTION



ROADSIDE ENVIRONMENTAL UNIT  
DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCC-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:  
**DISTRICT OFFICE DIV 6 / 2**  
600 Southern Avenue  
Fayetteville NC, 28304  
**2012 STANDARD SPECIFICATIONS**

- Rock Inlet Sediment Trap Type A  
Rock Inlet Sediment Trap Type B  
Rock Inlet Sediment Trap Type C  
Temporary Rock Silt Check Type A  
Temporary Rock Silt Check Type B  
Temporary Rock Sediment Dam Type A  
Temporary Rock Sediment Dam Type B  
Rock Pipe Inlet Sediment Trap Type A  
Rock Pipe Inlet Sediment Trap Type B  
Coir Fiber Baffle  
Temporary Stream Crossing
- Railroad Erosion Control Detail  
Temporary Silt Fence  
Special Sediment Control Fence  
Gravel Construction Entrance  
Temporary Berms and Slope Drains  
Riser Basin  
Silt Basin Type B  
Temporary Silt Ditch  
Stilling Basin  
Temporary Diversion  
Special Stilling Basin  
Matting Installation

Roadway Standard Drawings  
The following roadway standard drawings as appear in "Roadway Standard Drawings" - Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

# CONVENTIONAL PLAN SHEET SYMBOLS

## BOUNDARIES AND PROPERTY:

- State Line \_\_\_\_\_
- County Line \_\_\_\_\_
- Township Line \_\_\_\_\_
- City Line \_\_\_\_\_
- Reservation Line \_\_\_\_\_
- Property Line \_\_\_\_\_
- Existing Iron Pin \_\_\_\_\_
- Property Corner \_\_\_\_\_
- Property Monument \_\_\_\_\_
- 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 \_\_\_\_\_
- Known Soil Contamination: Area or Site \_\_\_\_\_
- Potential Soil Contamination: Area or Site \_\_\_\_\_

## BUILDINGS AND OTHER CULTURE:

- Gas Pump \_\_\_\_\_
- 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:

- Baseline Control Point \_\_\_\_\_
- Existing Right of Way Marker \_\_\_\_\_
- Existing Right of Way Line \_\_\_\_\_
- Proposed Right of Way Line \_\_\_\_\_
- Proposed Right of Way Line with Iron Pin and Cap Marker \_\_\_\_\_
- Proposed Right of Way Line with Concrete or Granite Marker \_\_\_\_\_
- Existing Control of Access \_\_\_\_\_
- Proposed Control of Access \_\_\_\_\_
- 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 - \_\_\_\_\_
- Proposed Permanent Easement with Iron Pin and Cap Marker \_\_\_\_\_

## 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 \_\_\_\_\_

## WATER:

- Water Manhole \_\_\_\_\_
- Water Meter \_\_\_\_\_
- Water Valve \_\_\_\_\_
- Water Hydrant \_\_\_\_\_
- Recorded UG Water Line \_\_\_\_\_
- Designated UG Water Line (S.U.E.\*) \_\_\_\_\_
- Above Ground Water Line \_\_\_\_\_

## TV:

- TV Satellite Dish \_\_\_\_\_
- TV Pedestal \_\_\_\_\_
- TV Tower \_\_\_\_\_
- UG TV Cable Hand Hole \_\_\_\_\_
- Recorded UG TV Cable \_\_\_\_\_
- Designated UG TV Cable (S.U.E.\*) \_\_\_\_\_
- Recorded UG Fiber Optic Cable \_\_\_\_\_
- Designated UG Fiber Optic Cable (S.U.E.\*) \_\_\_\_\_

## GAS:

- Gas Valve \_\_\_\_\_
- Gas Meter \_\_\_\_\_
- Recorded UG Gas Line \_\_\_\_\_
- Designated UG Gas Line (S.U.E.\*) \_\_\_\_\_
- Above Ground Gas Line \_\_\_\_\_

## SANITARY SEWER:

- Sanitary Sewer Manhole \_\_\_\_\_
- Sanitary Sewer Cleanout \_\_\_\_\_
- UG Sanitary Sewer Line \_\_\_\_\_
- Above Ground Sanitary Sewer \_\_\_\_\_
- Recorded SS Forced Main Line \_\_\_\_\_
- Designated SS Forced Main Line (S.U.E.\*) \_\_\_\_\_

## MISCELLANEOUS:

- Utility Pole \_\_\_\_\_
- Utility Pole with Base \_\_\_\_\_
- Utility Located Object \_\_\_\_\_
- Utility Traffic Signal Box \_\_\_\_\_
- Utility Unknown UG Line \_\_\_\_\_
- UG Tank; Water, Gas, Oil \_\_\_\_\_
- Underground Storage Tank, Approx. Loc. \_\_\_\_\_
- AG Tank; Water, Gas, Oil \_\_\_\_\_
- Geoenvironmental Boring \_\_\_\_\_
- UG Test Hole (S.U.E.\*) \_\_\_\_\_
- Abandoned According to Utility Records \_\_\_\_\_
- End of Information \_\_\_\_\_

- 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:

- POWER:
  - Existing Power Pole \_\_\_\_\_
  - Proposed Power Pole \_\_\_\_\_
  - Existing Joint Use Pole \_\_\_\_\_
  - Proposed Joint Use Pole \_\_\_\_\_
  - Power Manhole \_\_\_\_\_
  - Power Line Tower \_\_\_\_\_
  - Power Transformer \_\_\_\_\_
  - UG Power Cable Hand Hole \_\_\_\_\_
  - H-Frame Pole \_\_\_\_\_
  - Recorded UG Power Line \_\_\_\_\_
  - Designated UG Power Line (S.U.E.\*) \_\_\_\_\_

## TELEPHONE:

- Existing Telephone Pole \_\_\_\_\_
- Proposed Telephone Pole \_\_\_\_\_
- Telephone Manhole \_\_\_\_\_
- Telephone Booth \_\_\_\_\_
- Telephone Pedestal \_\_\_\_\_
- Telephone Cell Tower \_\_\_\_\_
- UG Telephone Cable Hand Hole \_\_\_\_\_
- Recorded UG Telephone Cable \_\_\_\_\_
- Designated UG Telephone Cable (S.U.E.\*) \_\_\_\_\_
- Recorded UG Telephone Conduit \_\_\_\_\_
- Designated UG Telephone Conduit (S.U.E.\*) \_\_\_\_\_
- Recorded UG Fiber Optics Cable \_\_\_\_\_
- Designated UG Fiber Optics Cable (S.U.E.\*) \_\_\_\_\_

**DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA**

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# **SOIL STABILIZATION TIMEFRAMES**

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) 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 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.



PROJECT REFERENCE NO. 6C-043110  
 SR 2309 (LEANNA LANE)  
 SHEET NO. 5 OF 5  
 REVISED ADD DITCH PROFILE 2-17-12  
 REVISED ENTRANCE 3-02-07  
 REVISED TURN-AROUND 1-23-07  
 DATE: 11-07-06  
 1 IN. = 50 FT.

