

EROSION CONTROL PLANS FOR SOUTHEASTERN EMS

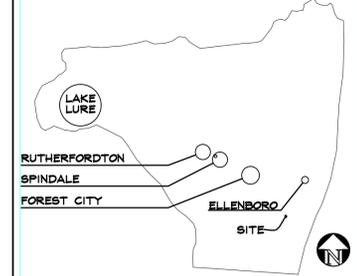
RUTHERFORD COUNTY

NORTH CAROLINA

PROJECT OWNER:
RUTHERFORD COUNTY, N.C.

PROPERTY OWNER:
RUTHERFORD COUNTY, N.C.

VICINITY MAP
NTS



JOB NUMBER:
14041

DATE	BY

GENERAL NOTES:

DESCRIPTION

REV	1	2	3	4	5	6

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF NORTH CAROLINA AS SIGNIFIED BY MY HAND AND SEAL.



EROSION CONTROL PLANS FOR
SOUTHEASTERN EMS
RUTHERFORD COUNTY, N.C.
ELLENBORO
COVER

SHEET INDEX

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SCALE: N.T.S.

DATE: 10/07/14

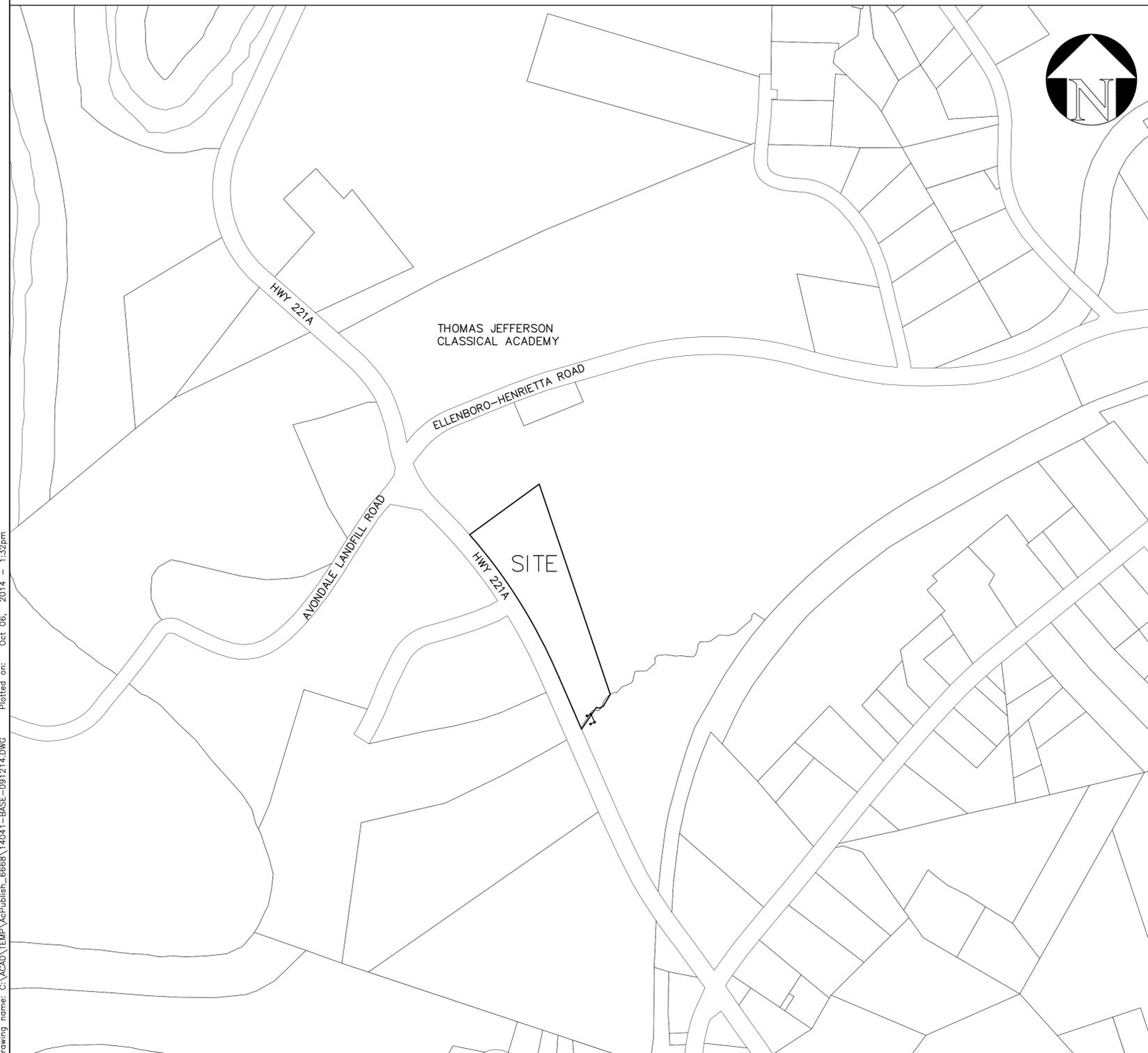
DRAWN BY: JTP

CHECKED BY: DWO

PROJECT MGR: DWO

SHEET:

C1



Major Elements of DWQ Construction General Permit

August 4, 2011

This document contains the major elements of the recently-revised North Carolina Division of Water Quality (DWQ) Construction General Permit (NCG01) with emphasis placed on those elements that differ from the previous permit (expiration on August 2, 2011). Since the summary list below cannot contain details of every change, the complete Permit should be used to assure full implementation. See: <http://portal.ncdenr.org/web/wq/ws/su/construction>

1) Ground Stabilization*

Site Area Description	Stabilization Time Frame	Stabilization Time Frame Exceptions
• 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 or flatter	14 days	7-days for slopes greater than 50 feet in length
• All other areas with slopes flatter than 4:1	14 days	None (except for perimeters and HQW Zones)

* "Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable." (Section II.B(2)(b))

The major change in the Permit from the previous one is the shorter times to apply ground stabilization such as mulch, wheat straw, or grasses. The NC laws and rules relating to the Sediment Act require, in most places, ground stabilization within 21 days. Based on the new EPA requirements and 9-months' work with a permit advisory group, CTAG, the Division and EPA-developed permit, now contains requirements for ground cover within 14, and in some places, 7 days.

2) Building Wastes Handling

- No paint or liquid wastes in stream or storm drains
- Dedicated areas for demolition, construction and other wastes must be located 50' from storm drains and streams unless no reasonable alternatives available.
- Earthen-material stockpiles must be located 50' from storm drains and streams unless no reasonable alternatives available.
- Concrete materials must be controlled to avoid contact with surface waters, wetlands, or buffers.

3) Discharges to Federally-listed Waters

- Requirements are the same as in previous permit.
- The permit allows reduction from the 20 acre minimum if the Director of DWQ determines that other BMPs provide equivalent protection.

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Major Elements of DWQ Construction General Permit- Continued

August 4, 2011

4) Inspections

- Same weekly inspection requirements
- Same rain gauge & inspections after 0.5" rain event
- Inspections are only required during "normal business hours"
- Inspection reports must be available on-site during business hours unless a site-specific exemption is approved.
- Records must be kept for 3 years and available upon request.
- Electronically-available records may be substituted under certain conditions.

5) Implementation of New Permit Conditions

- Projects permitted under the previous permit can continue to follow the previously-permitted conditions.
- Complete applications received prior to August 3, 2011 can follow conditions of approved application.
- Applications received after August 2, 2011 must comply with new permit conditions.

6) Conditions in Erosion & Sedimentation Control Plans*

Designation on the plans where the 7 and 14-day ground stabilization requirements of the NPDES permit apply
Designation on the plans where basins that comply with the surface-withdrawal requirements of the NPDES permit are located.

7) Building Wastes Handling

- No paint or liquid wastes in stream or storm drains
- Dedicated areas for demolition, construction and other wastes located 50' from storm drains and streams unless no reasonable alternatives are available.
- Earthen-material stockpiles located 50' from storm drains unless no reasonable alternatives available.
- Concrete materials must be controlled to avoid contact with surface waters, wetlands, or buffers.

8) Sediment Basins

- Outlet structures must withdraw from basin surface unless drainage area is less than 1 acre.
- Use only DWQ-approved flocculants.

* In order for the E&S Plan to satisfy the conditions of the Construction General permit, it must identify areas where the ground stabilization requirements apply and the location of the basins where the surface-withdrawal requirements apply.

Document prepared by the Division of Water Quality

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Drawing name: C:\ACAD\TEMP\AcPublish_6668\14041-BASE-091214.DWG Plotted on: Oct 06, 2014 1:32pm

DATE	BY

REV	DESCRIPTION
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CERTIFICATION

EROSION CONTROL PLANS FOR
SOUTHEASTERN EMS
RUTHERFORD COUNTY, N.C.
ELLENBORO
OVERALL

Odom Engineering PLLC
152 East Main Street, Suite 200, N.C. 28641
TEL: 703.748.4400
FAX: 703.748.4400



SCALE: 1" = 30'

DATE: 10/07/14

DRAWN BY: JTP

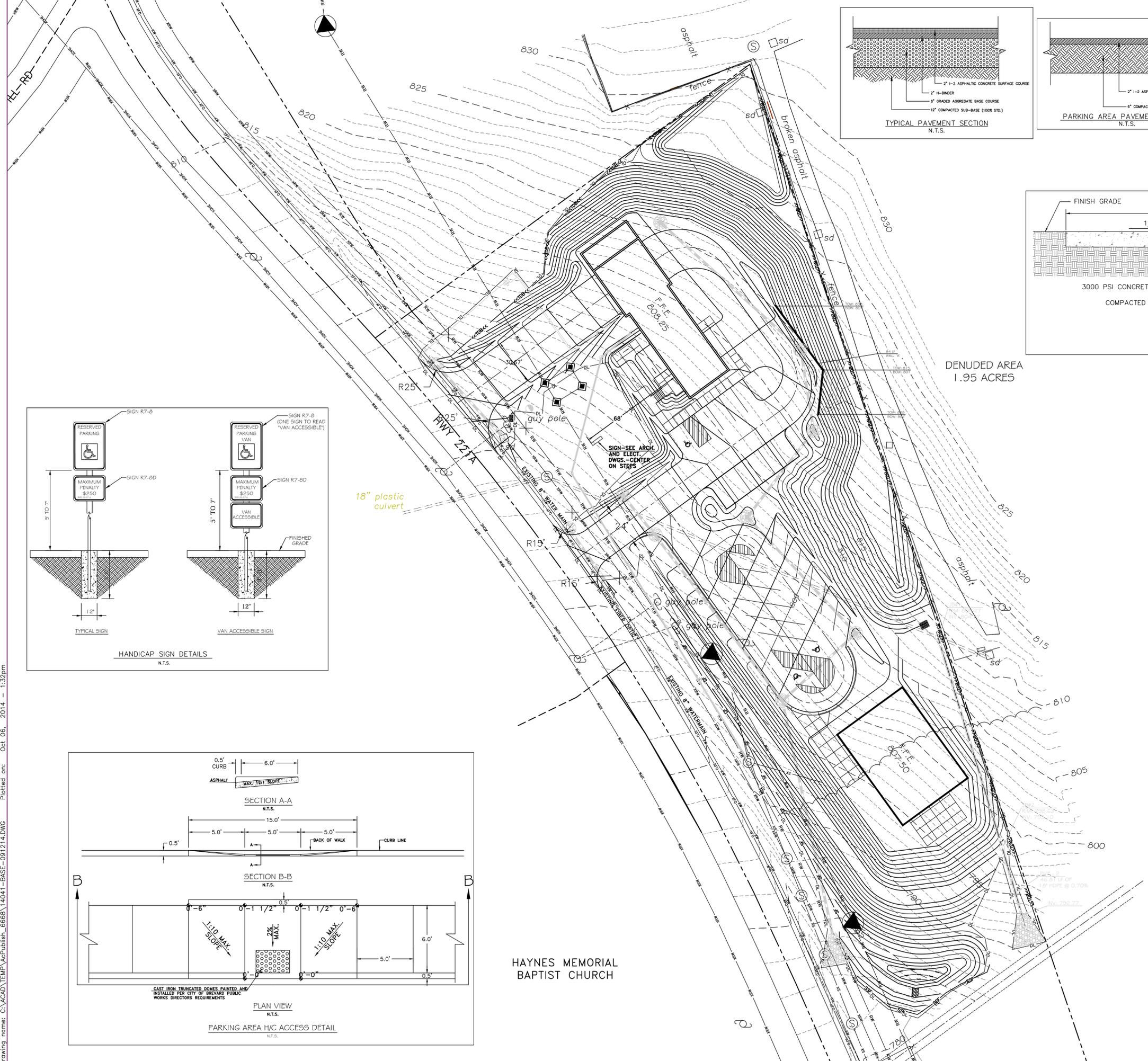
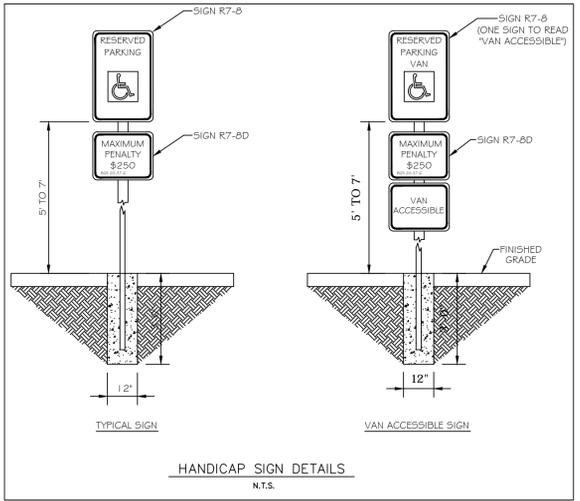
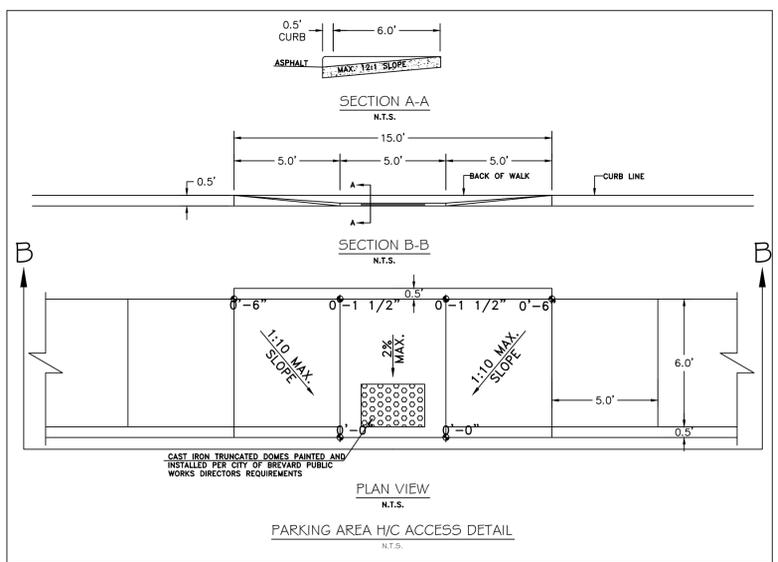
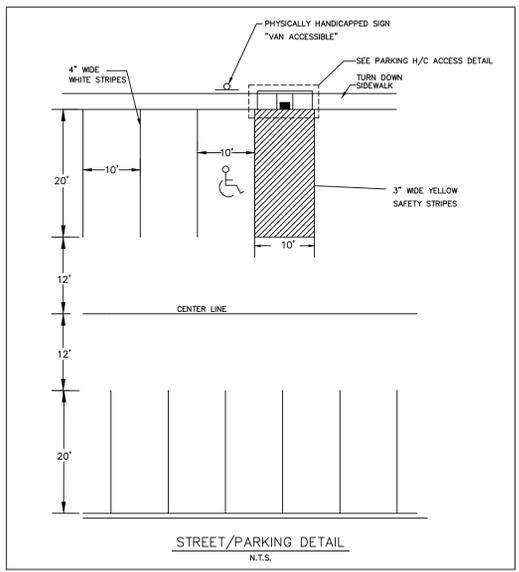
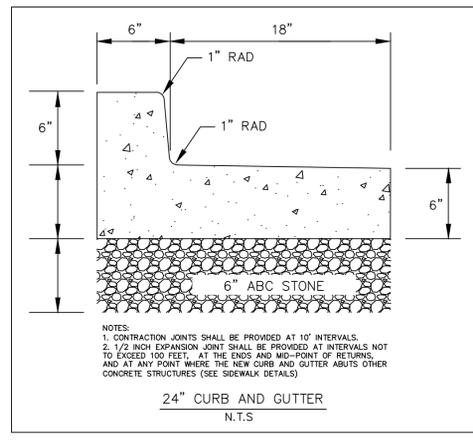
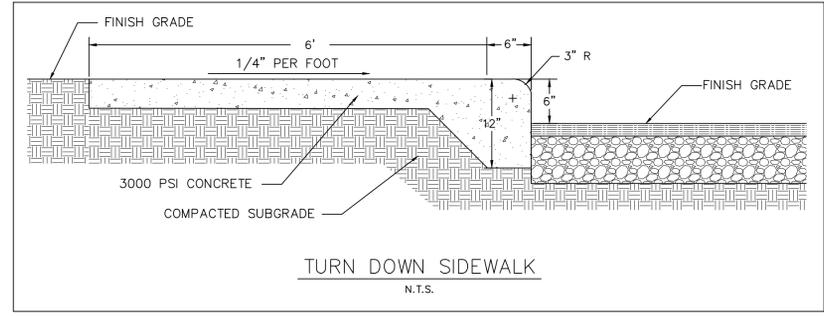
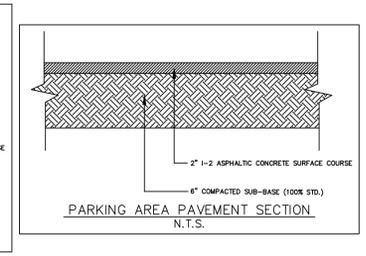
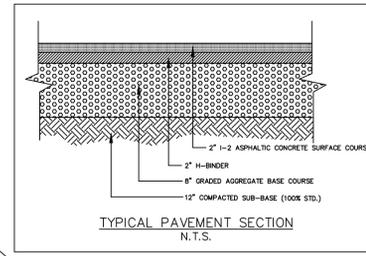
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PROJECT MGR: DWO

SHEET:

C4

- CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT
 - AFTER PHASE 1 EROSION CONTROL MEASURES HAVE BEEN FOUND IN COMPLIANCE PER NCDENR, INSTALL REMAINDER OF EROSION CONTROL MEASURES.
 - OBTAIN CERTIFICATE OF COMPLIANCE THROUGH ON-SITE INSPECTION BY A REPRESENTATIVE OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES, DIVISION OF LAND RESOURCES, LAND QUALITY SECTION.
 - PROCEED WITH GRADING, CLEARING AND GRUBBING.
 - SEED AND MULCH DENUDE AREA PER NCDENR SPECIFICATIONS.
IF HYDROSEEDING IS USED, WOOD CELLULOSE MAY BE SUBSTITUTED FOR STRAW MULCH AT THE RATE OF 1,000 LBS PER ACRE.
 - MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED OVER ALL DISTURBED AREAS.
 - REMOVE SOIL EROSION CONTROL MEASURES AND STABILIZE THESE AREAS.
 - REQUEST FINAL APPROVAL BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES, DIVISION OF LAND RESOURCES, LAND QUALITY SECTION.



HAYNES MEMORIAL BAPTIST CHURCH

DENUDED AREA 1.95 ACRES

