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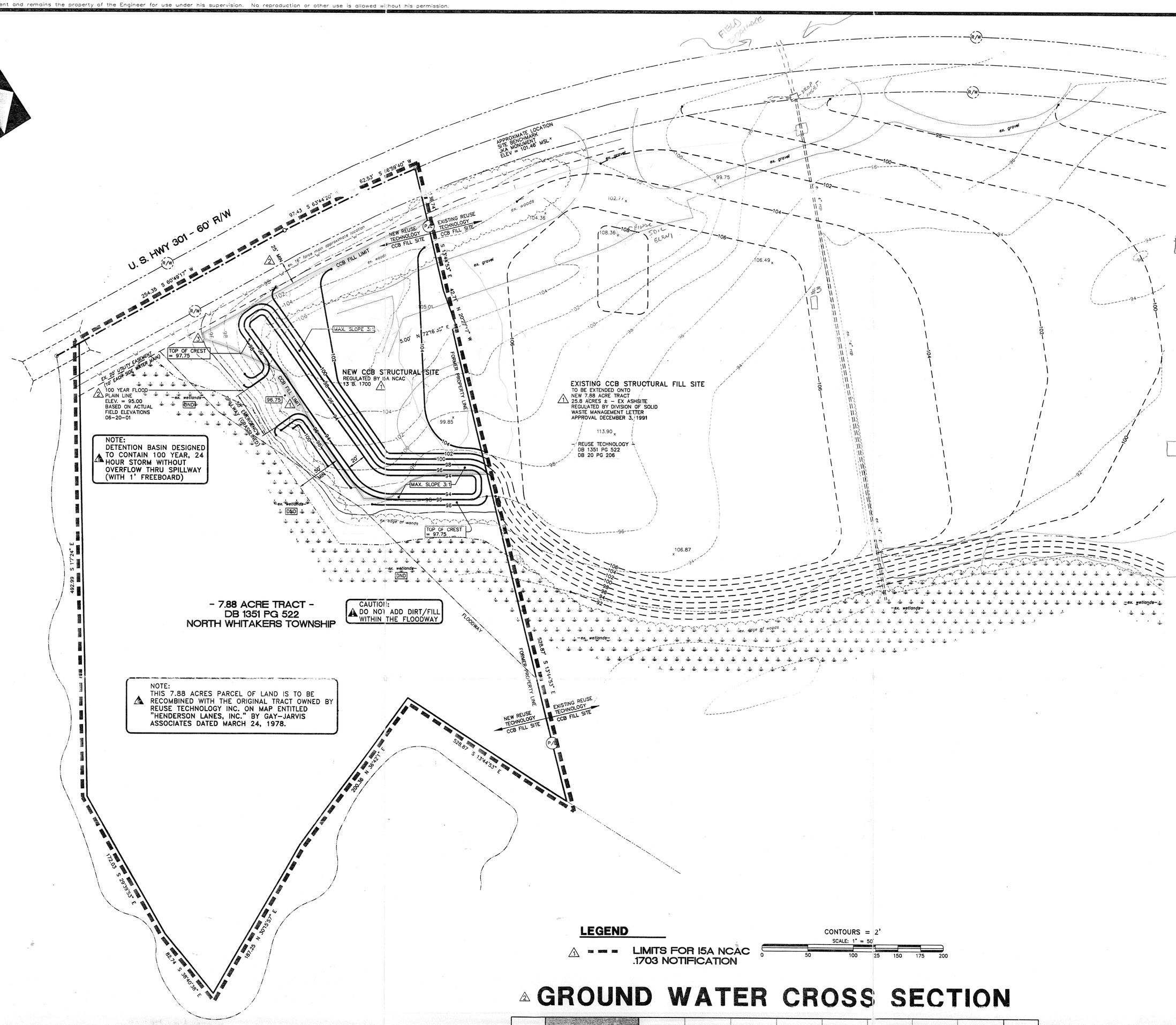
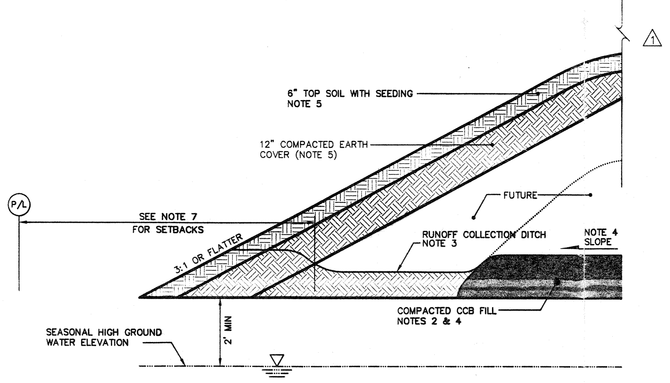
GENERAL NOTES FOR TYPICAL COAL COMBUSTION BY-PRODUCT (CCB) FILL PLACEMENT

1. All organic material, unsuitable fill or soft material shall be removed and the exposed subgrade compacted with a vibratory roller (10 ton minimum). Where heaving is observed, over excavation will be required at the direction of the Engineer or Project Manager before the placement of CCB fill.
2. CCB's shall be bladed in 8 inch layers and compacted with a smooth steel wheeled vibratory roller (10 ton minimum) to a minimum 95% of the maximum dry density at its optimum moisture content per ASTM D-698. A field compaction test shall be taken for each 5000 cubic yards placed.
3. Run-off from the CCB fill shall be contained by ditch and/or sump to prevent discharge. Sump water may be pumped into a water truck for use in conditioning CCB's.
4. During construction, the CCB fill shall be graded (max. 5%) and a smooth surface maintained to provide for sheet flow run-off and prevent dusting.
5. All CCB fill shall be covered with 12" compacted earth and 6" of topsoil. Seeding shall be in accordance with schedule provided on erosion control plan. Any excess on-site material may be placed in fill slope.
6. Finish grades shown as proposed is finished grade exclusive of earth cover.
7. The following are the setbacks for CCB fill placement:
   a. Maintain 50' (horizontal) between CCB application area and top of the bank of a perennial stream or other surface water body.
   b. Maintain 50'(horizontal) from jurisdictional wetland areas.
   c. Maintain 100' (horizontal) from any source of drinking water, such as a well, spring, or other groundwater source of drinking water.
   d. Outside of the 100-year flood plain, unless it can be demonstrated to the NCDENR - Division of Waste Management that the facility will be protected from inundation, and washout, and the flow of water is not restricted and the storage volume of the flood plain will not be significantly reduced.
   e. Maintain 25' from any property boundary.
   f. Maintain 25' from bedrock outcrop.
   g. Maintain 2' from the seasonal high ground water table

It is the Contractor's responsibility to verify that the above setbacks are the latest and most current per NCDENR - Division of Waste Management regulations.





TYPICAL COAL COMBUSTION BY-PRODUCT FILL SECTION

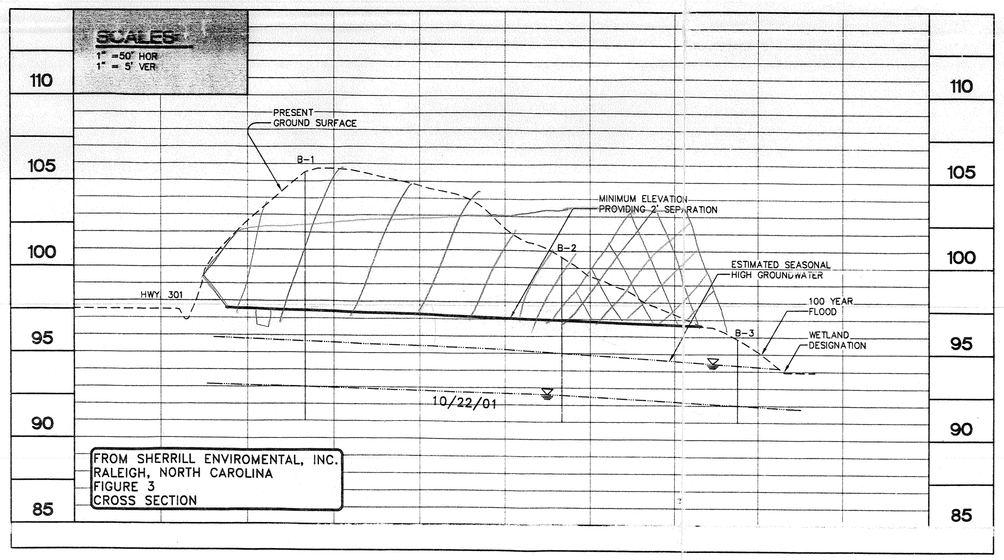
NOT TO SCALE

LEGEND

LIMITS FOR 15A NCAC .1703 NOTIFICATION

CONTOURS = 2'
SCALE: 1" = 50'
0 50 100 125 150 175 200

GROUND WATER CROSS SECTION



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These plans are for bidding purposes only and are not to be used as Construction drawings unless initialed and dated as approved for Construction below by the Engineer.

Approved for Construction: _____ Date: _____

RECORD DRAWINGS:
These drawings are believed to be a correct representation of actual field conditions but are not warranted as such.

By: _____ Date: _____

BOUNDARY DESCRIPTION SHOWN IS NOT FOR RECORDATION.

2001 Revision

COLORED COVER SHEETS
In an effort to maintain quality design and construction, Appian has established a plan cover sheet protocol to ensure that the involved parties are all working from the most recent plan revision. Appian has assigned colors to the plan cover sheet to correspond with stages of the design / construction process: WHITE for agency review, preliminary phase; BLUE for the bidding phase; and GOLD for the construction phase. Contractor should note that the only set of plans to be used for construction are those with a gold cover. Contractor is to contact the project engineer to obtain the most current plan.

CONSTRUCTION SAFETY
These drawings do not contain the requirements for job safety. All provisions for safety shall be the sole responsibility of the contractor.

EXISTING CONDITIONS
The contractor shall be responsible for reviewing all existing job conditions. Any adverse existing conditions affecting work shown on these drawings shall be brought to the attention of the engineer for possible clarification or reconciliation.

ADA AND LEGAL DISCLAIMER
This document is not represented to comply with all requirements contained in the ADA or other laws. Engineers are not licensed to interpret laws or give advice concerning laws, the owner should have this document reviewed by his attorney to determine legal compliance.

"This certifies that this copy of this plat accurately depicts the boundary of the jurisdiction of Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is a change in the law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five years from this date. This determination was made utilizing the 1987 Corps of Engineers Wetlands Delineation Manual."

NAME: _____
TITLE: _____ DATE: _____

CCB0057

HOR. SCALE:	AS NOTED	DATE:	8-15-01	DESIGN:	t.e. Sokolski
VER. SCALE:	AS NOTED	DRAWN BY:	Chris Herron	CHKD.:	b.bby Joyner

REVISIONS

NO.	DAT.	DESCRIPTION:	BY:	CHKD.
1	10-1-01	OWNER COMMENTS	PS	CH
2	11-7-01	OWNER COMMENTS	PS	CH
3	12-1-01	OWNER COMMENTS	PS	CH

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10 Dec 01

15A NCAC 13 B. 1703 NOTIFICATION PLAN for Hwy. 301 - Swift Creek Property Nash County, North Carolina

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D-0657
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