

OPERATION PLAN FOR:

VEACH LAND CLEARING AND INERT DEBRIS LANDFILL

COUNTY : DAVIDSON

OWNER: Ellen Veach, trustee 4261 Old Thomasville Road, Winston-Salem, NC 27107

OPERATOR: Mike Phillips 411 Bethany Church Road, Winston-Salem, NC 27107 (336) 462-3643

This site is part of a large family farm located adjacent to Old Thomasville Road in northern Davidson county. The surrounding area is rural in nature. The timber was recently harvested from the site for the LCID as part of the ongoing management of timber land on the farm. It is proposed (please see accompanying engineering drawings) to excavate soil from several large existing gullies, stockpile the soil for cover, fill the excavated areas with debris appropriate for disposal in an LCID, then cover the debris with a minimum of 3 feet of cover. The filled property will then be reincorporated into the ongoing management of timber land on the farm.

The LCID will be operated on an appointment only basis through the operator, and only during daylight hours Monday through Saturday. A locked gate will be maintained at the entrance with appropriate signage. It is anticipated that there will be periods when nothing is received at the facility, and the maximum daily intake is estimated at 150 tons.

The approved erosion control plan will be kept in place and the measures shown thereon appropriately maintained through the life of the LCID.

Areas of exposed fill will not be allowed to exceed one acre in size at any given time during the life of the operation of the landfill.

An all weather surface will be maintained on access roads, and dirt/mud will not be tracked onto the paved state maintained roadway by trucks visiting the site.

The operator will work in conjunction with the owner and the owner's relatives who live on the farm to monitor the site in order to prohibit unauthorized access. They will also monitor the site for any evidence of combustion. Should a potential problem be detected, the local fire department will be notified immediately. (They will be supplied with access to the site throughout the duration of its operation by key, combination, etc.)

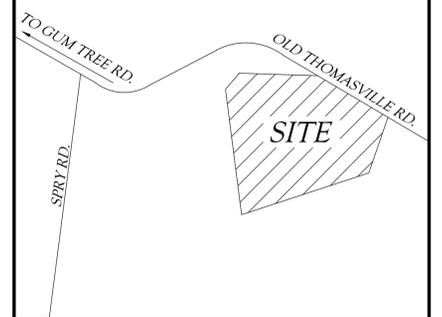
As filling operations progress across the site and cover is placed to the desired final grade, those areas will be permanently stabilized with appropriate grassy cover and replanted in loblolly pine the first tree planting season subsequently occurring.

It is anticipated that this landfill will serve primarily Davidson and Forsyth counties.

This facility will accept land clearing waste, yard trash, untreated and unpainted wood, uncontaminated soil, inert debris such as unpainted rock, brick, concrete, and concrete block, and asphalt in accordance with NCGS 130-294(m).

Contact information for the operator will be placed on signage at the entrance to the site.

The estimated total gross capacity for the landfill is 60,000 cubic yards.



VICINITY MAP
N.T.S.

VEACH LANDFILL LCID PLANS

OLD THOMASVILLE ROAD
WINSTON-SALEM, NORTH CAROLINA

FOR

ELLEN VEACH, TRUSTEE

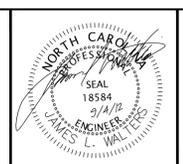
4261 OLD THOMASVILLE ROAD.
WINSTON-SALEM, N.C. 27107
(336) 769-2486

INDEX OF SHEETS

COVER SHEET	1
SITE PLAN	2
EROSION CONTROL PLAN	3
FINAL GRADING PLAN	4
EROSION CONTROL DETAILS	5
LANDFILL CROSS SECTIONS	6

REV. NO.	REVS. PER NCDENR COMMENTS	DATE

LWE
LATHAM-WALTERS ENGINEERING, INC.
LICENSE C-1815
16507-A NORTHCROSS DRIVE
HUNTERSVILLE, NORTH CAROLINA 28078
(704) 895-8484 FAX (704) 895-8485



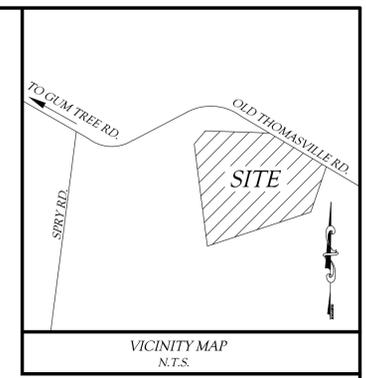
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CONSTRUCTION SEQUENCE:

- A. CONTACT NCDENR EROSION CONTROL INSPECTOR TO INFORM HIM THAT CONSTRUCTION IS READY TO BEGIN. COORDINATE A PRE-CONSTRUCTION MEETING WITH NCDENR INSPECTOR IF REQUIRED.
- B. UPON APPROVAL COMMENCE INSTALLATION OF EROSION CONTROL DEVICES INCLUDING CONSTRUCTION ENTRANCE, SEDIMENT BASIN, CLEARING FOR EROSION CONTROL DEVICES ONLY.
- C. INSTALL REMAINING TEMPORARY EROSION CONTROL DEVICES & TEMPORARY DIVERSION SWALES.
- D. SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
 - D.A. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
 - D.B. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
 - D.C. CONDITIONS - IN MEETING THE STABILIZATION REQUIREMENTS ABOVE, THE FOLLOWING CONDITIONS OR EXEMPTIONS SHALL APPLY:
 - D.D. EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE.
 - D.E. ALL SLOPES 50' IN LENGTH OR GREATER SHALL APPLY THE GROUND COVER WITHIN 7 DAYS EXCEPT WHEN THE SLOPE IS FLATTER THAN 4:1. SLOPES LESS THAN 50' SHALL APPLY GROUND COVER WITHIN 14 DAYS EXCEPT WHEN SLOPES ARE STEEPER THAN 3:1, THE 7 DAY REQUIREMENT APPLIES.
 - D.F. ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7 DAY GROUND COVER REQUIREMENT.
 - D.G. SLOPES 10' OR LESS IN LENGTH SHALL BE EXEMPT FROM THE 7 DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 2:1.

- D.H. ALTHOUGH STABILIZATION IS USUALLY SPECIFIED AS GROUND COVER, OTHER METHODS, SUCH AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS.
- D.I. FOR PORTIONS OF PROJECTS WITHIN THE SEDIMENT CONTROL COMMISSION-DEFINED "HIGH QUALITY WATER ZONE" (15A NCAC 04A. 0105), STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS OF THE SITE WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.
- D.J. PORTIONS OF A SITE THAT ARE LOWER IN ELEVATION THAN ADJACENT DISCHARGE LOCATIONS AND ARE NOT EXPECTED TO DISCHARGE DURING CONSTRUCTION MAY BE EXEMPT FROM THE TEMPORARY GROUND COVER REQUIREMENTS IF IDENTIFIED ON THE APPROVED E&S PLAN OR ADDED BY THE PERMITTING AUTHORITY.
- E. SEE SEEDING SCHEDULE FOR SEED TYPE, DATES, AND RATES.
- F. COMPLETE LANDFILL USE WITHIN THESE PROJECT LIMITS. SEDIMENT BASIN WILL REMAIN IN USE DURING LANDFILL USE. LANDFILL CONSTRUCTION TO ADHERE TO ANY APPLICABLE NC STATE AND LOCAL REQUIREMENTS FOR LANDFILLS.
- G. EROSION CONTROL MEASURES (BASINS, FENCES, DIVERSION DITCHES) DIRECTLY AFFECTED BY THIS CONTRACT SHALL BE MAINTAINED/REMOVED UNDER THIS CONTRACT. DEVICES SHALL BE MAINTAINED TO MAX. 50% CAPACITY UNTIL AREAS THEY SERVE ARE FULLY STABILIZED.
- H. PROVIDE PERMANENT GRASSING FOR ALL DISTURBED AREAS, ESPECIALLY WHERE LANDFILL USE HAS BEEN COMPLETED.
- I. AFTER LANDFILL USE IS COMPLETED AND SITE IS COMPLETELY STABILIZED, CONTACT NCDENR FOR PERMISSION TO REMOVE EROSION CONTROL DEVICES.
- J. REMOVE ALL EROSION CONTROL DEVICES. SPREAD AND SEED ACCUMULATED SEDIMENT.
- K. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, U.S. DEPT. OF AGRICULTURE, AND THE SCS EROSION CONTROL ORDINANCE.
- L. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE NCDENR SO THAT PERIODIC INSPECTIONS CAN BE CONDUCTED AT APPROPRIATE STAGES OF CONSTRUCTION.



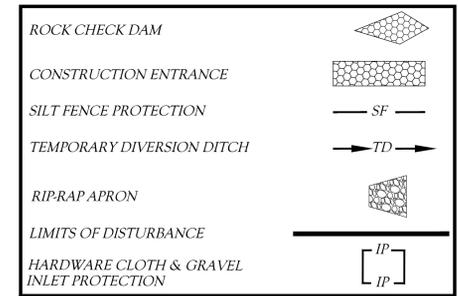
EROSION CONTROL NOTES:

1. SOIL STABILIZATION SHALL BE IMPLEMENTED PER THE CONSTRUCTION SEQUENCE NOTES.
2. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT WILL BE REQUIRED BY A REPRESENTATIVE OF NCDENR STAFF. ANY LAND-DISTURBING ACTIVITY 1 ACRE OR MORE REQUIRES COMPLIANCE WITH ALL CONDITIONS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (PERMIT NO. NC0010000). ANY PERMIT NONCOMPLIANCE IS A VIOLATION OF THE CLEAN WATER ACT AND MAY REQUIRE ENFORCEMENT ACTION BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES.
3. ANY BORROW OR WASTE MATERIAL SHALL BE TAKEN/PLACED ON A SITE THAT HAS AN ACTIVE APPROVED GRADING PERMIT. IF THIS IS NOT OBTAINABLE, THEN CONTRACTOR MAY SUBMIT PLAN FOR APPROVAL TO NCDENR PRIOR TO ANY OFF-SITE BORROW/WASTE AREAS BEING DENUDED AND ANY GRADING OPERATIONS STARTING ON THIS SITE.
4. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE NCDENR EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
5. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE NCDENR EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
6. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. FILL SLOPES GREATER THAN 10' REQUIRE ADEQUATE TERRACING. SEE SHEET 4, SEEDING SCHEDULE NOTES FOR "SPACING GUIDE FOR SLOPE BREAKS".
7. TEMPORARY DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE-CONSTRUCTION MEETING.
8. TOTAL DENUDED AREA: 8.88 ACRES

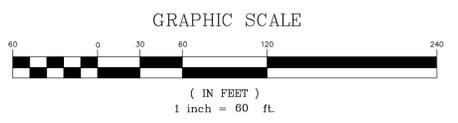
MAINTENANCE NOTES:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGN.
2. SEDIMENT WILL BE REMOVED FROM THE TEMPORARY SEDIMENT TRAPS/BASINS WHEN STORAGE CAPACITY IS APPROXIMATELY 50% FILLED. FOR SEDIMENT TRAPS, GRAVEL WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY. SKIMMERS SHALL BE FUNCTIONAL AT ALL TIMES AND WILL BE CLEANED AS NEEDED.
3. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE.
4. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. THE ENGINEER MAY DIRECT THAT ADDITIONAL SILT FENCING OR EROSION CONTROL MATTING BE INSTALLED AT ANY TIME PRIOR TO FINAL ACCEPTANCE.
5. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS INCLUDED IN THESE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN WRITING.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED ONCE THE ENTIRE SITE IS STABILIZED.

LEGEND

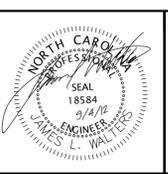


- CALL ULOCO BEFORE YOU DIG
1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO BEGINNING CONSTRUCTION.
 2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING FLAGMEN, ETC., AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
 3. ALL PAVEMENT CUTS, CONCRETE OR ASPHALT, ARE TO BE REPLACED ACCORDING TO STANDARDS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION.
 4. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926 SUBPART P, OR AS AMENDED.



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LWE
LATHAM-WALTERS ENGINEERING, INC.
16507-A NORTH CROSS DRIVE
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(704) 895-8484 FAX (704) 895-8485



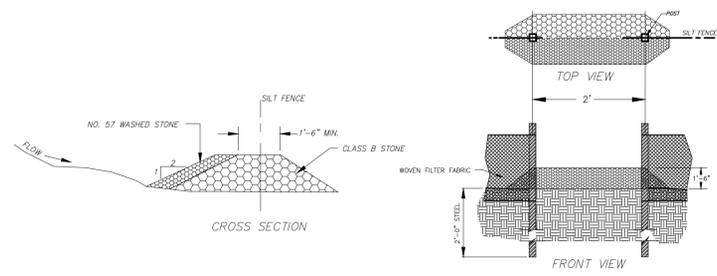
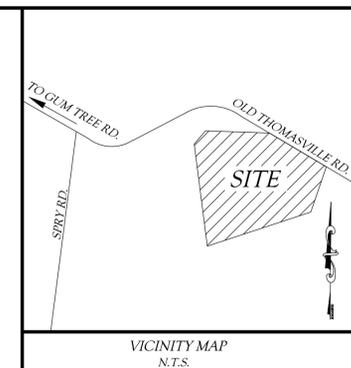
OWNER:
ELLEN VEACH, TRUSTEE
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VEACH LCID LANDFILL
OLD THOMASVILLE ROAD
WINSTON SALEM NORTH CAROLINA

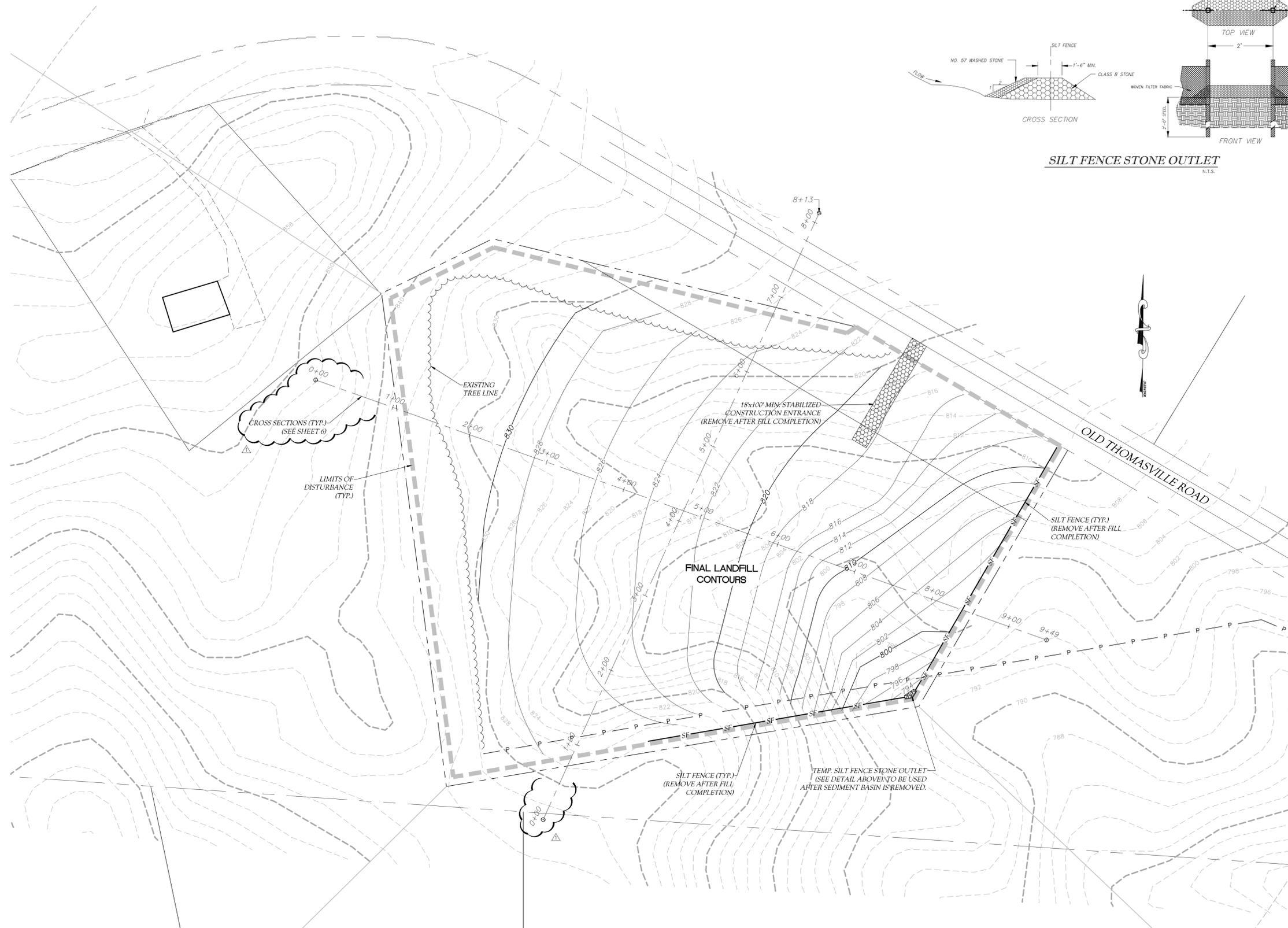
EROSION CONTROL PLAN

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PROJECT NO.: 2012.19

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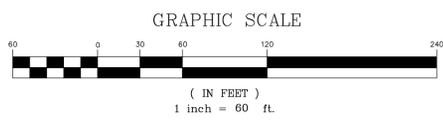
- FINAL CONSTRUCTION SEQUENCE:**
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LEGEND

ROCK CHECK DAM	
CONSTRUCTION ENTRANCE	
SILT FENCE PROTECTION	— SF —
TEMPORARY DIVERSION DITCH	— TD —
RIPRAP APRON	
LIMITS OF DISTURBANCE	— IP —
HARDWARE CLOTH & GRAVEL INLET PROTECTION	

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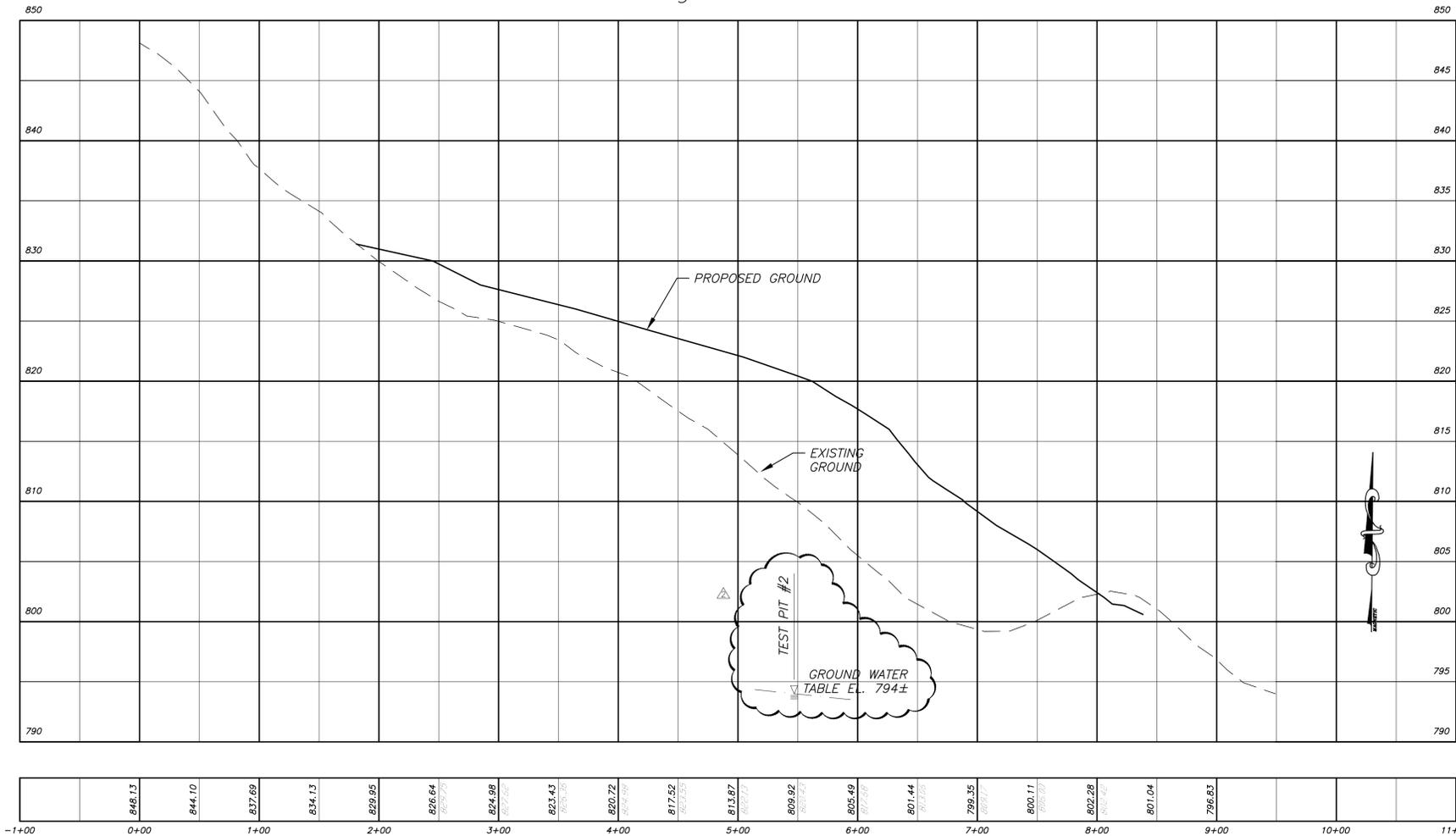
VEACH LCID LANDFILL
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WINSTON SALEM NORTH CAROLINA

FINAL GRADING PLAN

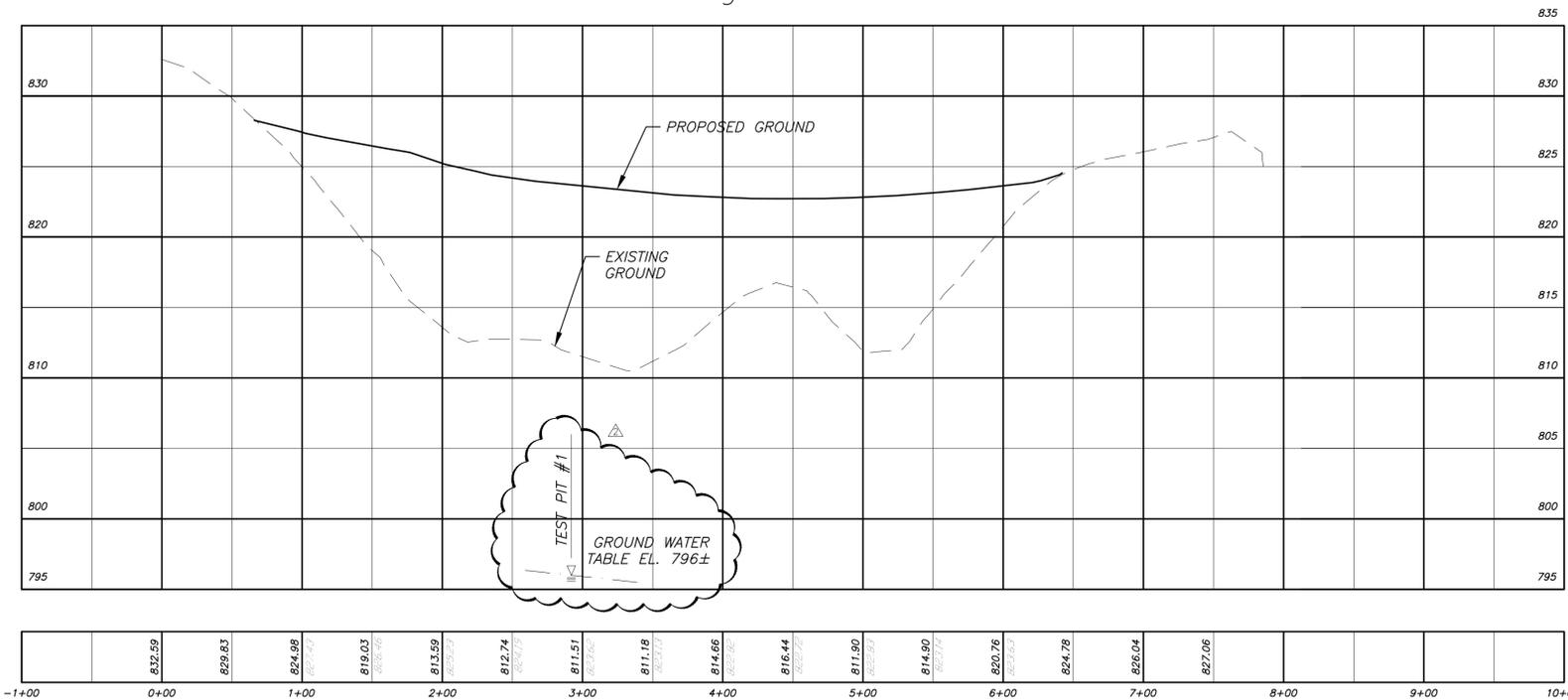
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Landfill Alignment 1 PROFILE



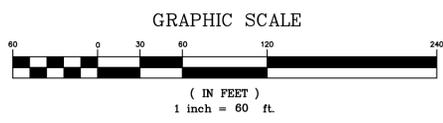
Landfill Alignment 2 PROFILE



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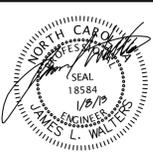


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LANDFILL CROSS SECTIONS

DATE: AUG. 2012	SHEET
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