

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

RECEIVED
SEP 1 0 2012
NC DEPT. OF ENVIRONMENT
AND NATURAL RESOURCES
WOODBRIDGE REGIONAL OFFICE

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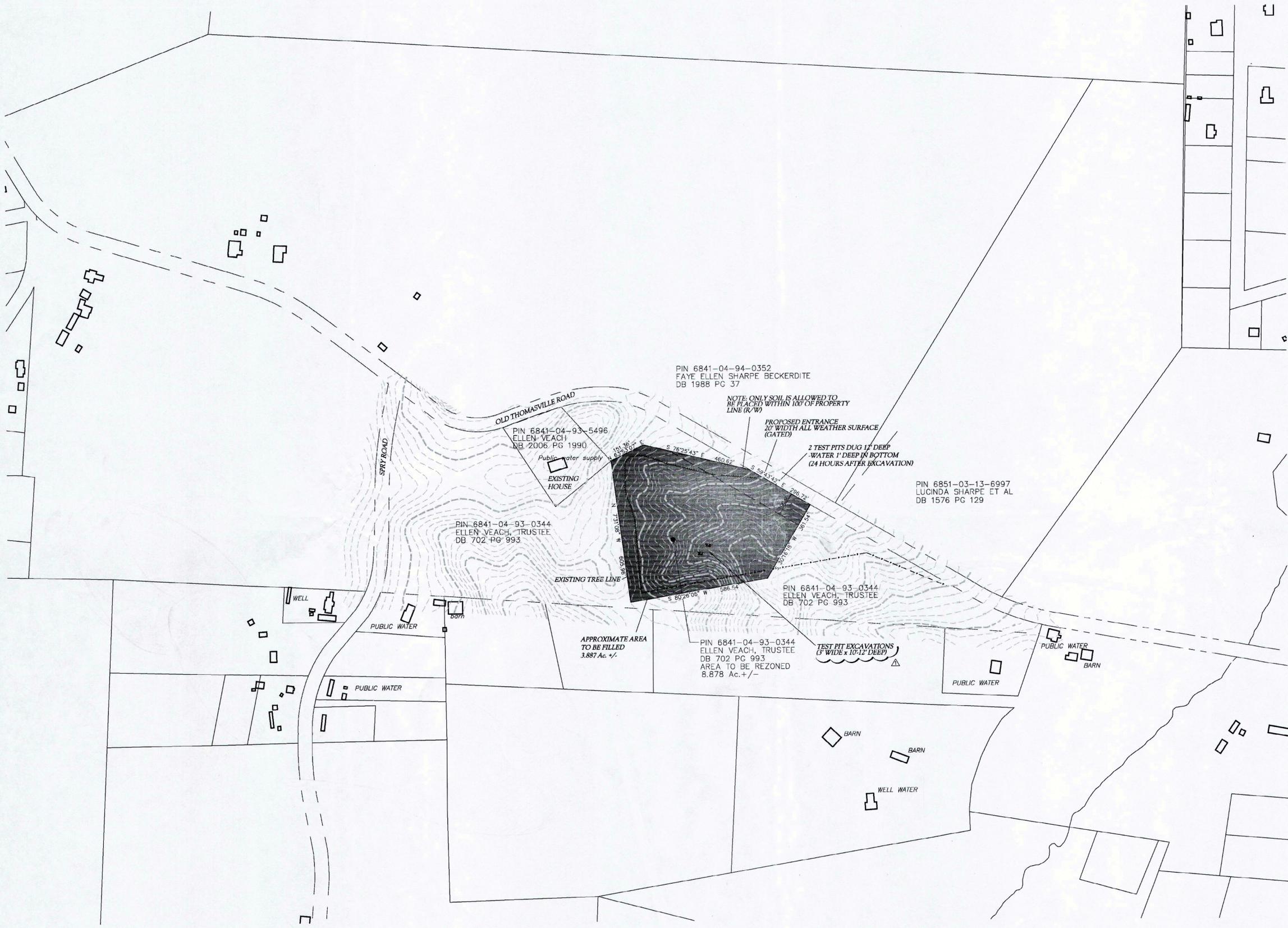
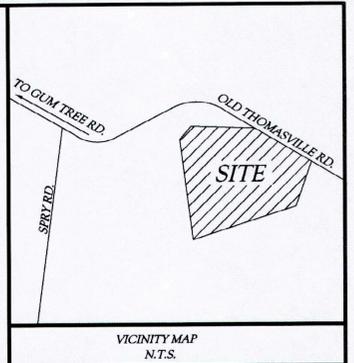
REV. NO.	REVS. PER NCDENR REVISIONS	COMMENTS	DATE

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



SHEET
1
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- SITE NOTES:**
- OWNER: ELLEN VEACH
SITE ADDRESS: 4281 OLD THOMASVILLE ROAD,
WINSTON SALEM, NC, 27107-9037
 - SITE ACREAGE: 35.72± ACRES
LCID LANDFILL AREA: 8.88 ACRES
 - PARCEL NUMBER: 1301000000012
PIN ID: 6841-04093-0344
 - DB. 702, PG 993
 - CURRENT ZONING: RA-3
 - CURRENT USE: VACANT
 - BOUNDARY SURVEY INFORMATION PROVIDED BY
COE FORESTRY & LAND SURVEYING, INC.
 - TOPO FROM NCDOT LIDAR TOPO

- NC SOLID WASTE MANAGEMENT NOTES:**
- HOMES SHOWN WITHIN 1/4 MILE OF LCID SITE TAKEN FROM AERIAL PHOTO.
 - NO 100 YEAR FLOOD PLAIN ON SITE.
 - THERE ARE NO WETLANDS WITHIN THE LCID BOUNDARY
 - NO ARCHAEOLOGICAL SITES WITHIN 1/4 MILE PER JOHN J. MINTZ, ASSISTANT STATE ARCHAEOLOGIST.

CALL ULOCO BEFORE YOU DIG

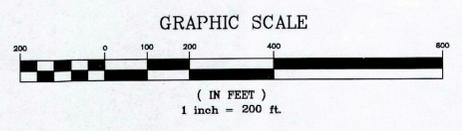
1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO BEGINNING CONSTRUCTION.

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.

1-800-833-6848
AVOID UTILITY DAMAGE



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VEACH LCID LANDFILL
OLD THOMASVILLE ROAD
WINSTON SALEM NORTH CAROLINA

SITE PLAN

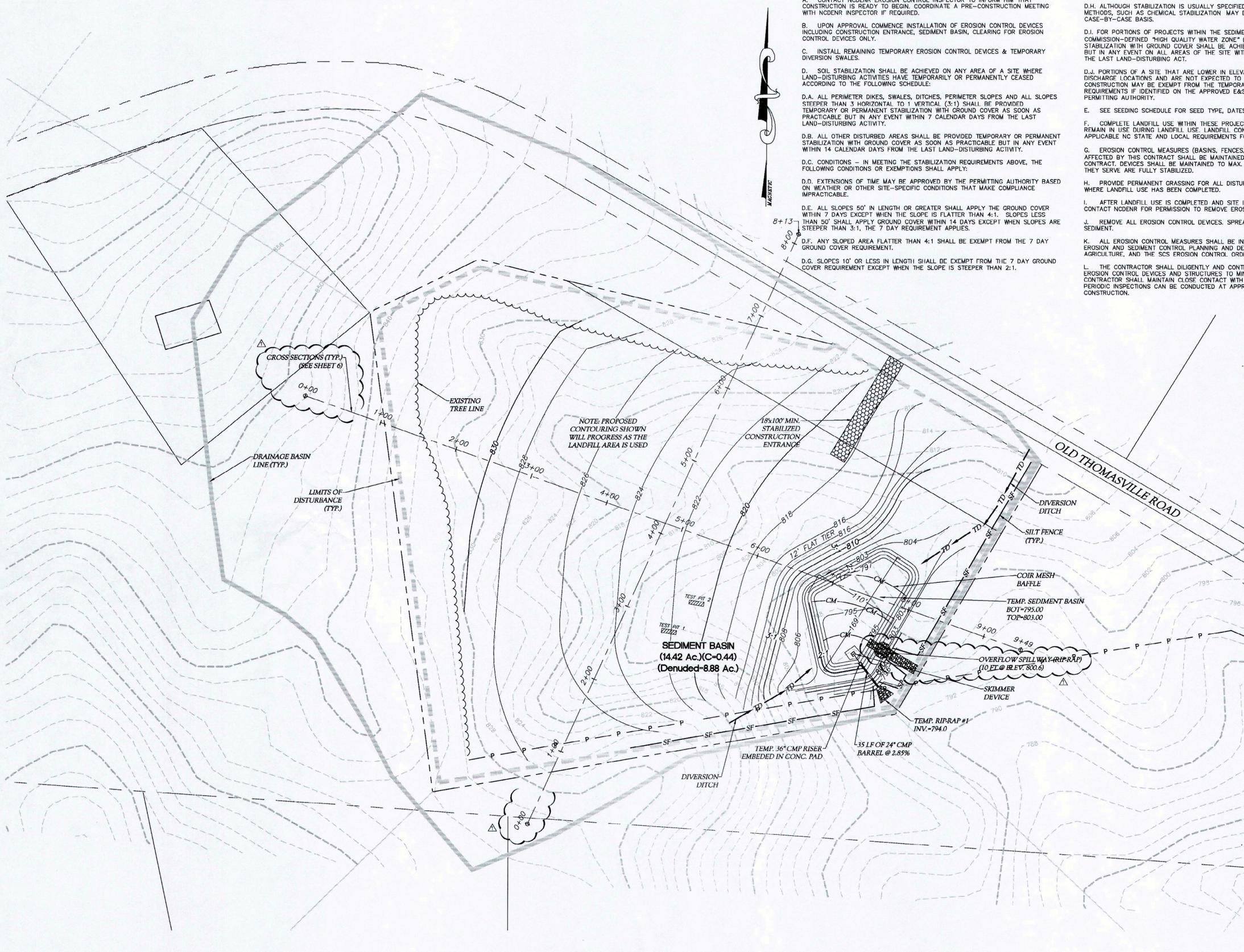
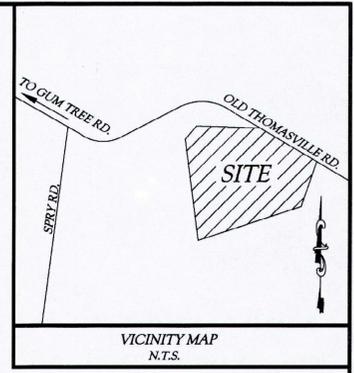
DATE: AUG. 2012	2
SCALE: 1" = 200'	
DRAWN BY: JLW	
CHECKED BY: JLW	
PROJECT NO: 2012.19	

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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&SC 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.



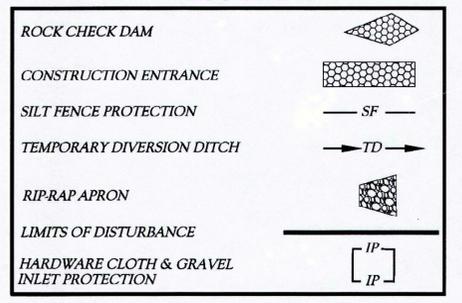
EROSION CONTROL NOTES:

1. SOIL STABILIZATION SHALL BE IMPLEMENTED PER THE CONSTRUCTION SEQUENCE NOTES.
2. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF NCDENR STAFF. ANY LAND-DISTURBING ACTIVITY > 1 ACRES 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

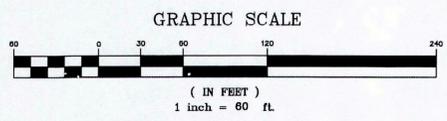
MAINTENANCE NOTES:

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 UUCO BEFORE YOU DIG
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 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 F, OR AS AMENDED.



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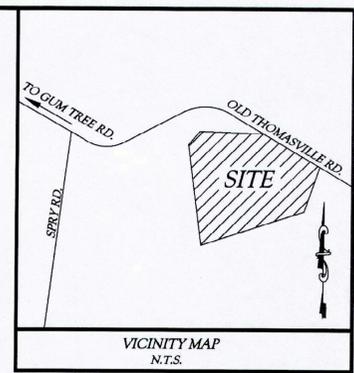
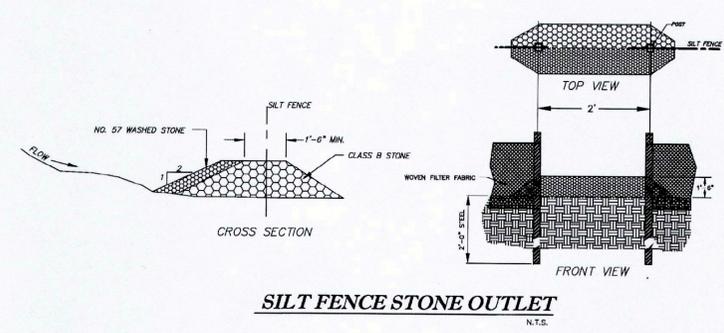
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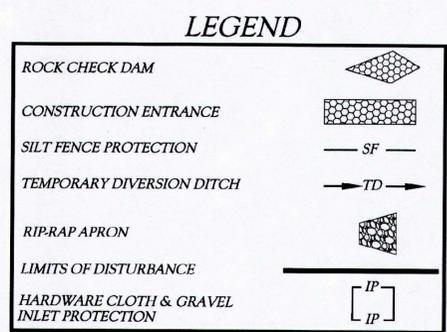
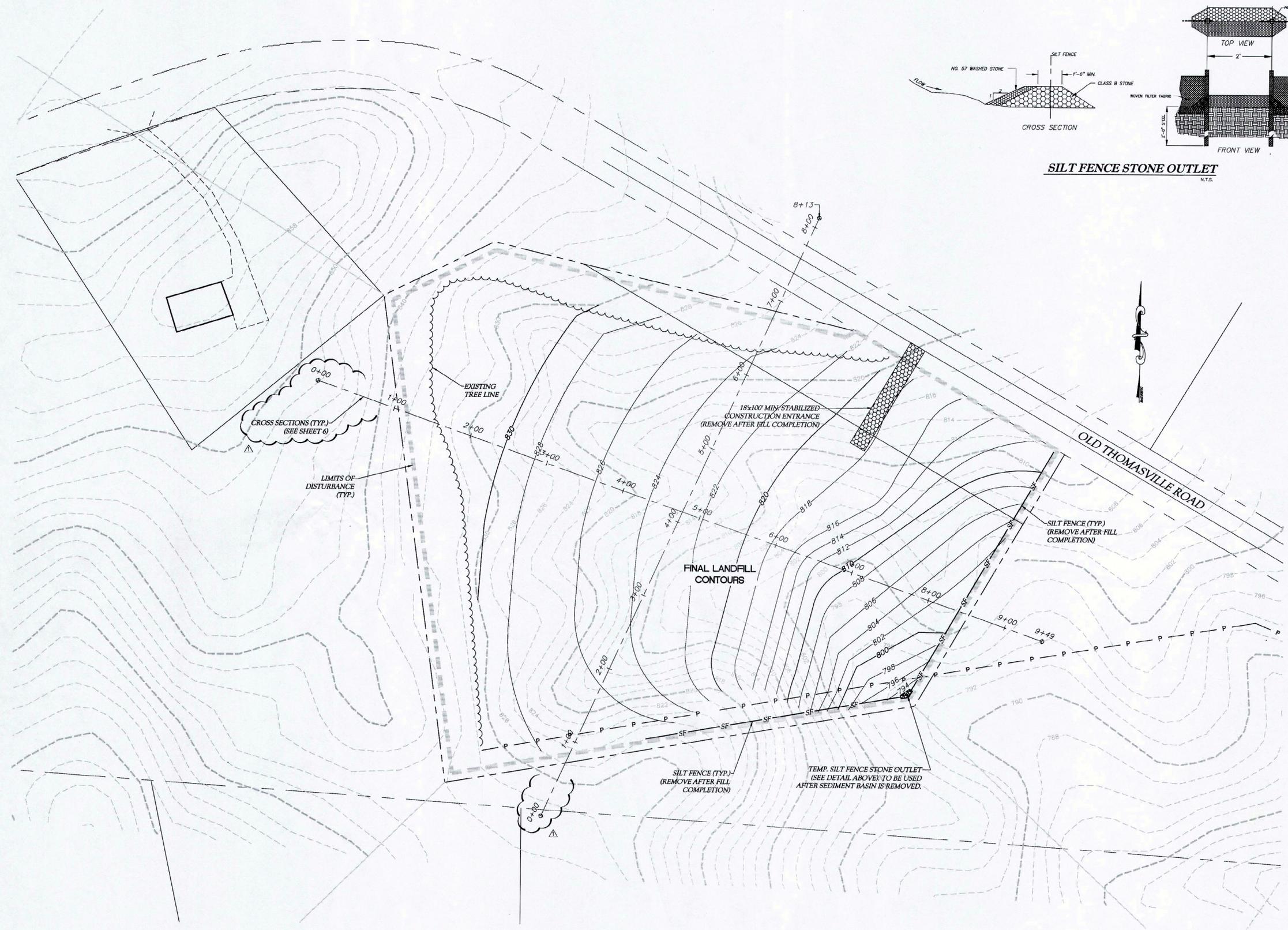
EROSION CONTROL PLAN

DATE: AUG. 2012
SCALE: 1" = 60'
DRAWN BY: JCW
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PROJECT NO: 2012.19

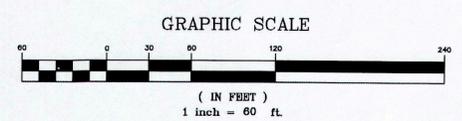
SHEET **3**



- FINAL CONSTRUCTION SEQUENCE:**
- AFTER SEDIMENT BASIN HAS BEEN REMOVED, COMPLETE LANDFILL USE WITHIN THESE PROJECT LIMITS. LANDFILL CONSTRUCTION TO ADHERE TO ANY APPLICABLE NC STATE AND LOCAL REQUIREMENTS FOR LANDFILLS.
 - PROVIDE PERMANENT GRASSING FOR ALL DISTURBED AREAS, ESPECIALLY WHERE LANDFILL USE HAS BEEN COMPLETED.
 - AFTER LANDFILL USE IS COMPLETED AND SITE IS COMPLETELY STABILIZED, CONTACT NCDENR FOR PERMISSION TO REMOVE FINAL EROSION CONTROL DEVICES (CONSTRUCTION ENTRANCE AND REMAINING SILT FENCING).
 - REMOVE ALL EROSION CONTROL DEVICES. SPREAD AND SEED ACCUMULATED SEDIMENT. SEE SEEDING SCHEDULE FOR SEED TYPE, DATES, AND RATES.
 - 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.
 - 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.



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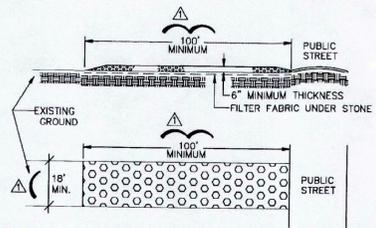


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VEACH LCID LANDFILL
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FINAL GRADING PLAN

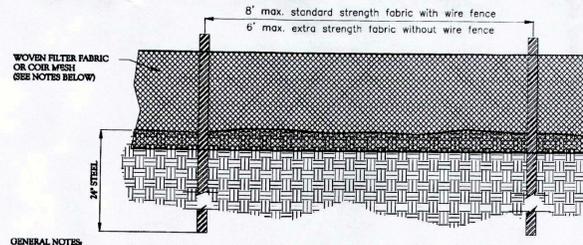
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SCALE: 1" = 60'
DRAWN BY: JCW
CHECKED BY: JLW
PROJECT NO: 201219

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4



GENERAL NOTES:
 A STABILIZED PAD OF STONE SHALL BE LOCATED WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC STREET.
 STONE SHALL BE 2" TO 3" COARSE AGGREGATE.
 THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY.
 WHEN NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.
 FILTER FABRIC SHALL BE MIRAFI 500 OR FOQAI.

STABILIZED CONSTRUCTION ENTRANCE/EXIT
 UPDATED - 1/23/07 N.T.S.



GENERAL NOTES:
 1. CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS (REFER TO TABLE 6.02 IN THE NC EROSION CONTROL DESIGN MANUAL FOR MATERIAL PROPERTY REQUIREMENTS).
 2. INSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 24 INCHES ABOVE THE GROUND SURFACE.
 3. COIR MESH SHALL BE USED IN LIEU OF WOVEN FILTER FABRIC FOR INSTALLATION OF BAPLES INSIDE BASINS AND TRAPERS.
 4. CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER CLOTH ONLY AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST.
 5. SUPPORT STANDARD STRENGTH FILTER FABRIC BY WIRE MESH FASTENED SECURELY TO THE UPRIGHT SIDE OF THE POSTS. EXTEND THE WIRE MESH SUPPORT TO THE BOTTOM OF THE TRENCH. FASTEN THE WIRE REINFORCEMENT, THEN FABRIC ON THE UPSLOPE SIDE OF THE FENCE POST. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
 6. WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 6 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.
 7. EXTRA STRENGTH FILTER FABRIC WITH 6 FEET POST SPACING DOES NOT REQUIRE WIRE MESH SUPPORT FENCE. SECURELY FASTEN THE FILTER FABRIC DIRECTLY TO POSTS. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
 8. EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER. (SEE DETAIL).
 9. PLACE 12" OF FABRIC ALONG THE BOTTOM AND SIDE OF TRENCH.
 10. BACKFILL THE TRENCH WITH SOIL PLACED OVER THE FILTER FABRIC AND COMPACT. THOROUGH COMPACTING OF THE BACKFILL IS CRITICAL TO SILT FENCE PERFORMANCE.
 11. DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.

MAINTENANCE NOTES:
 1. FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
 2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
 3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT OR SILT FENCE SHOULD BE REPLACED. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROX. HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

SILT FENCE DETAIL
 UPDATED - 1/23/07 N.T.S.

SEEDING SCHEDULE & NOTES
 UPDATED 10/19/11

- SEEDING PREPARATION NOTES:**
- SURFACE WATER CONTROL MEASURES TO BE INSTALLED ACCORDING TO PLAN. COMPLETE GRADING BEFORE PREPARING SEEDING.
 - AREAS TO BE SEEDING SHALL BE RIPPED AND SPREAD WITH AVAILABLE TOPSOIL. TOTAL SEEDING DEPTH SHALL BE 4" TO 6" DEEP. IF SOILS ARE COMPACTED DURING GRADING, LOOSEN TO A DEPTH OF 12" TO 18" LOOSE ROCKS, ROOTS AND OTHER OBSTRUCTIONS SHALL BE REMOVED FROM THE SURFACE TO PREVENT INTERFERENCE WITH ESTABLISHMENT AND MAINTENANCE OF VEGETATION.
 - APPLY LIME ACCORDING TO SOIL TEST RECOMMENDATIONS. SOILS WITH PH HIGHER THAN 6 NEED NOT BE LIMED. IF PH IS NOT KNOWN, APPLY LIME ACCORDING TO SEEDING SPECIFICATIONS BELOW. APPLY LIME AND INCORPORATE INTO TOP 4" TO 6" OF SOIL.
 - APPLY FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. IF NO SOIL TEST HAS BEEN PERFORMED, APPLY FERTILIZER ACCORDING TO SEEDING SPECIFICATIONS BELOW.
 - ROUGHEN SEEDING SURFACE PRIOR TO APPLICATION. GROOVE OR FURROW SLOPES STEEPER THAN 3:1.
 - SEE TABLE BELOW FOR STABILIZATION TIMEFRAMES FOR VARIOUS DISTURBED CONDITIONS.

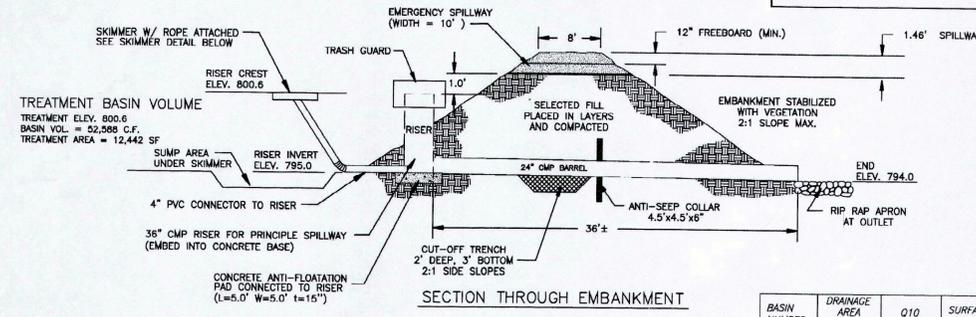
LOW MAINTENANCE AREAS				TEMPORARY SEEDING SPECIFICATIONS			
STEEP SLOPES OR STONY, SHALLOW OR DRY SOILS				DATE	TYPE	RATE	AMENDMENTS
AUG. 25 - SEPT. 15	TALL FESCUE	100 LB/ACRE		JAN. 15 - MAY 1	RYE (GRASS)	120 LB/ACRE	2000 LB/ACRE GROUND AGRICULTURAL LIME, STONE AND 750 LB/ACRE OF 10-10-10 FERTILIZER
FEB. 15 - MAR. 21	SERICEA LESPEDEZA	30 LB/ACRE		FEB. 15 - MAR. 21	ANNUAL LESPEDEZA OR LOBE	50 LB/ACRE	
	KORE LESPEDEZA	10 LB/ACRE					
GENTLE SLOPES, AVERAGE SOILS				DATE	TYPE	RATE	AMENDMENTS
AUG. 25 - SEPT. 15	TALL FESCUE	80 LB/ACRE		MAY 1 - AUG. 15	CERNAJ MULLET	40 LB/ACRE	2000 LB/ACRE GROUND AGRICULTURAL LIME, STONE AND 750 LB/ACRE OF 10-10-10 FERTILIZER
FEB. 15 - MAR. 21	SERICEA LESPEDEZA	20 LB/ACRE					
	KORE LESPEDEZA	10 LB/ACRE					
HIGH MAINTENANCE AREAS				DATE	TYPE	RATE	AMENDMENTS
GENTLE SLOPES, SOILS WITH AVERAGE OR BETTER MOISTURE, COOL SPRES				AUG. 15 - DEC. 30	RYE (GRASS)	120 LB/ACRE	2000 LB/ACRE GROUND AGRICULTURAL LIME, STONE AND 1000 LB/ACRE OF 10-10-10 FERTILIZER
AUG. 25 - SEPT. 15	BLEND OF TWO TURF-TYPE TALL FESCUES (80% AND TWO OR MORE KENTUCKY BLUEGRASS VARIETIES (10%)	200 - 250 LB/ACRE					
GENTLE SLOPES, DRYER SOILS, PHYSICAL LIMITATIONS							
AUG. 25 - SEPT. 15	BLEND OF 50% KY-31 TALL FESCUE AND 50% MIXTURE OF TWO OR MORE TURF-TYPE TALL FESCUES	200 - 250 LB/ACRE					
GRASS-LINED CHANNELS, AVERAGE SOILS							
AUG. 25 - OCT.	TALL FESCUE	200 LB/ACRE OR 4 - 5 LB/1000 SF					
GRASS-LINED CHANNELS, DRY SOILS							
APRIL 15 - JUNE 30	COMMON BERBERIS GRASS	40 - 80 LB/ACRE OR 1 - 2 LB/1000 SF					

SPACING GUIDE FOR SLOPE BREAKS

SLOPE	SPACING (FT.)
STEEP SLOPES	2-1
	3-1
	4-1
LONG SLOPES	15-25%
	10-15%
	8-10%
	3-4%
	<3%
	300'

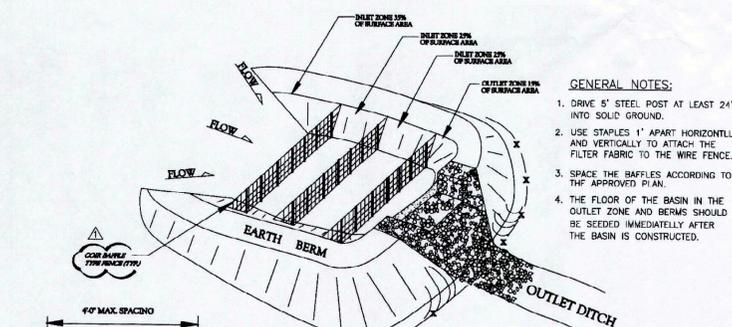
STABILIZATION TIMEFRAMES

SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME 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' IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES



SEDIMENT BASIN
 UPDATED 1/23/07 N.T.S.

BASIN NUMBER	DRAINAGE AREA (AC)	O10 (CFS)	SURFACE AREA REQUIRED	SURFACE AREA PROVIDED	VOLUME REQUIRED	VOLUME PROVIDED	BASIN SIZE L x W #	TOP EMB. ELEV.	WEIR FLEV.	BOTTOM FLEV.	OUTLET FLEV.	WEIR LENGTH	4" PVC LENGTH
1	14.42	28.41	12,360 S.F.	12,442 S.F.	15,984 C.F.	52,586 C.F.	SEE PLAN	803.0	800.6	795.0	794.0	13.8"	±10"

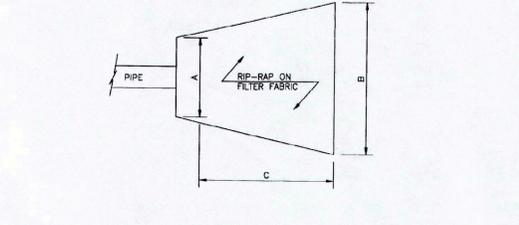


BAFFLE INSTALLATION DETAIL
 N.T.S.

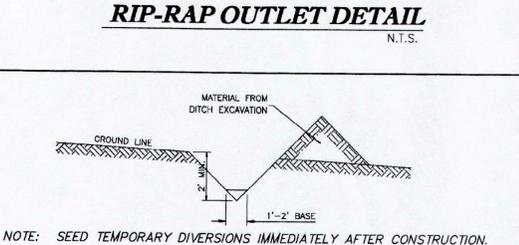
GENERAL NOTES:

- DRIVE 5" STEEL POST AT LEAST 24" INTO SOLID GROUND.
- USE STAPLES 1" APART HORIZONTALLY AND VERTICALLY TO ATTACH THE FILTER FABRIC TO THE WIRE FENCE.
- SPACE THE BAFFLES ACCORDING TO THE APPROVED PLAN.
- THE FLOOR OF THE BASIN IN THE OUTLET ZONE AND BERMS SHOULD BE SEEDED IMMEDIATELY AFTER THE BASIN IS CONSTRUCTED.

CONTRACTOR SHALL CUT SLITS IN FABRIC BETWEEN WIRE ALTERNATING PANELS ON TOP SOX ONLY.

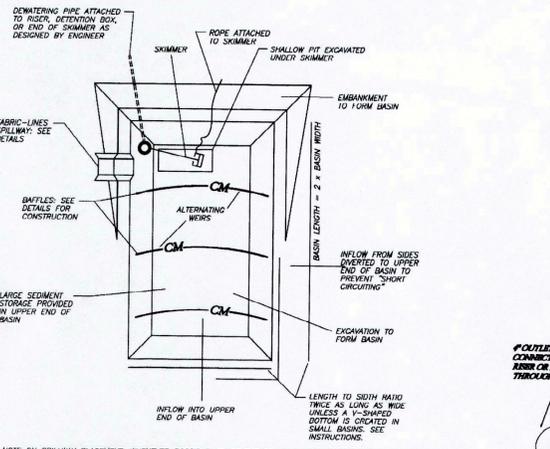


FES #	PIPE SIZE	A (ft)	B (ft)	C (ft)	THICKNESS (in)	RIP-RAP CLASS
1	24"	6'	20'	18'	9	A



TEMPORARY DIVERSION DITCH DETAIL
 N.T.S.

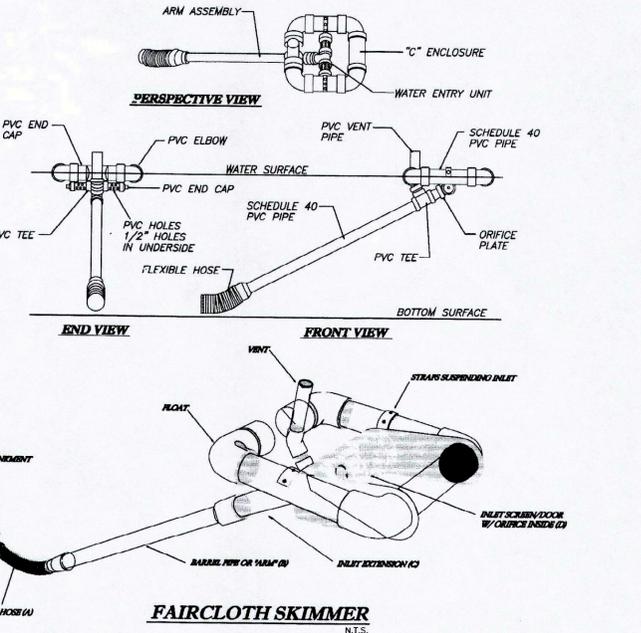
NOTE: SEED TEMPORARY DIVERSIONS IMMEDIATELY AFTER CONSTRUCTION.



SKIMMER BASIN COMPONENTS - PLAN VIEW
 NOT TO SCALE

NOTE ON SPILLWAY PLACEMENT: WHENEVER POSSIBLE, PLACE THE SPILLWAY AROUND ONE END OF THE DAM INSTEAD OF IN THE FILL FOR THE DAM TO MINIMIZE THE CHANCE OF FAILURE. CARE MUST BE TAKEN WHEN THE SPILLWAY IS IN FILL TO FOLLOW THE INSTALLATION INSTRUCTIONS AND KEEP OUTFLOW ON THE FABRIC.

SOME SEDIMENT BASIN REQUIREMENTS MAY CONFLICT WITH PERMANENT DETENTION BASIN STANDARDS. IF THIS IS THE CASE, THE FEATURES REFERRED TO IN THIS DETAIL MUST BE CONSTRUCTED AS SHOWN. AT THE END OF THE CONSTRUCTION (WHEN THE DRAINAGE ARE IS SUCCESSFULLY STABILIZED) THE BASIN IS CONVERTED TO THE PERMANENT CONFIGURATION.



FAIRCLOTH SKIMMER
 N.T.S.

BASIN #	SKIMMER SIZE	A (in)	B (in)	C (in)	D (in)
1	4"	2"	2"	3"	2.82"

CALL ULOCO BEFORE YOU DIG

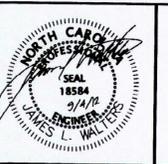
1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO BEGINNING CONSTRUCTION.

2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRIERS 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.

LWE
 LATHAM-WALTERS ENGINEERING, INC.
 16307-A NORTHCROSS DRIVE
 HUNTERSVILLE, NORTH CAROLINA 28078
 (704) 895-5484 FAX (704) 895-8485



OWNER:
 ELLEN VEACH, TRUSTEE
 4261 OLD THOMASVILLE ROAD
 WINSTON-SALEM, NC 27107
 (336) 769-2486

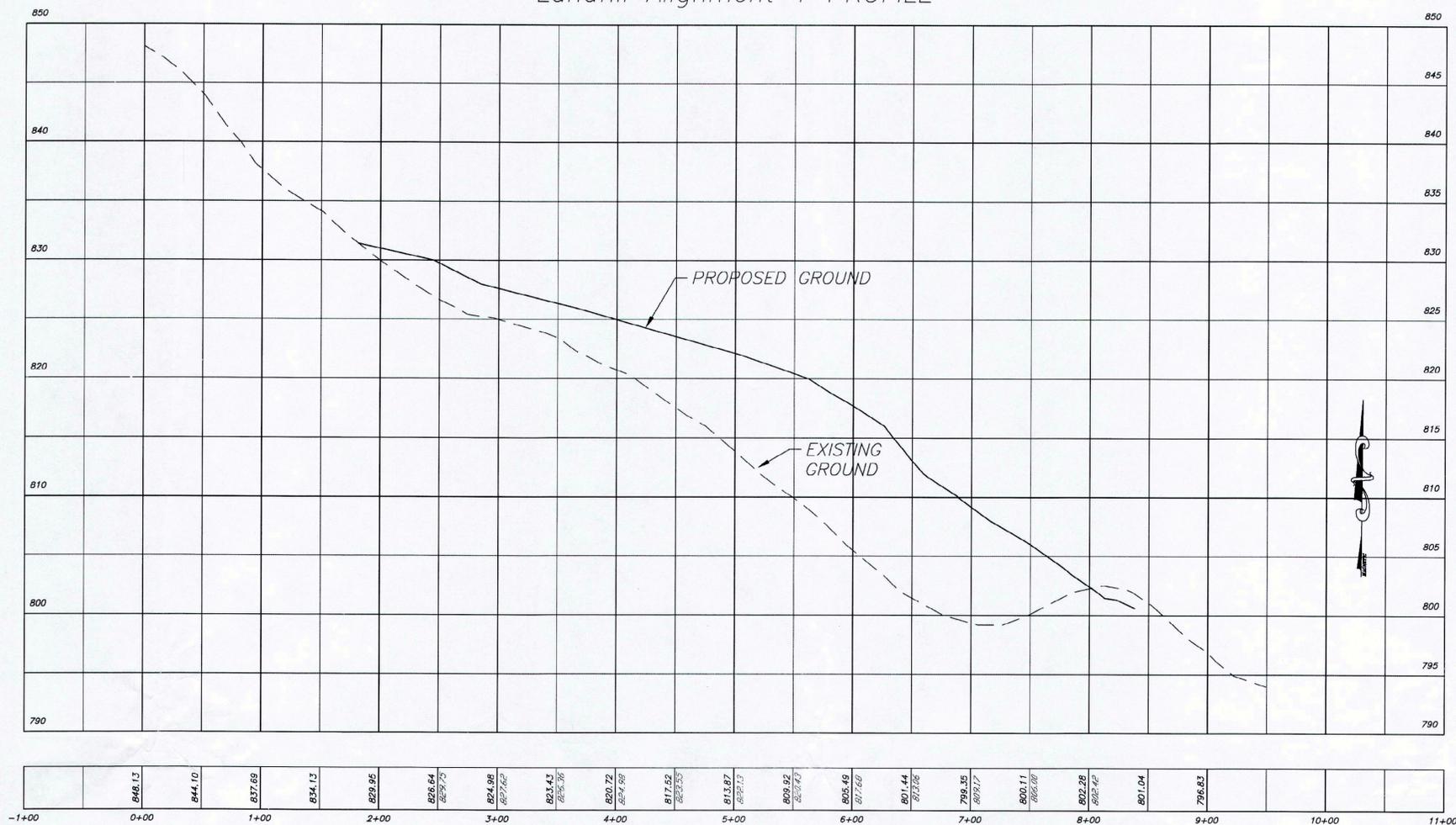
VEACH LCID LANDFILL
 OLD THOMASVILLE ROAD
 WINSTON SALEM NORTH CAROLINA

ERSOSION CONTROL DETAILS

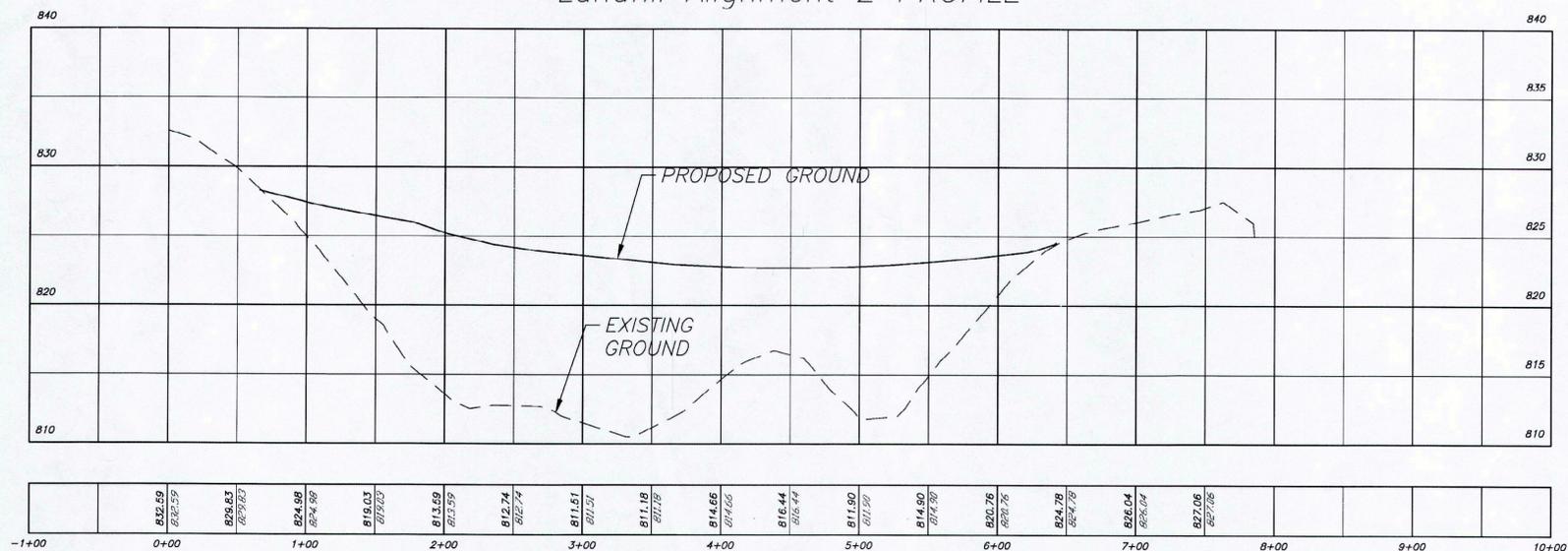
DATE: AUG. 2012
 SCALE: AS SHOWN
 DRAWN BY: JCW
 CHECKED BY: JLW
 PROJECT NO: 2012.19

SHEET 5

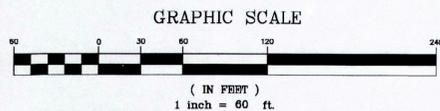
Landfill Alignment 1 PROFILE



Landfill Alignment 2 PROFILE



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



REV. NO.	REVISIONS	DATE

LWE
LATHAM-WALTERS ENGINEERING, INC.
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 (336) 769-2486

VEACH LCID LANDFILL
 OLD THOMASVILLE ROAD
 WINSTON SALEM NORTH CAROLINA
LANDFILL CROSS SECTIONS

DATE: AUG. 2012	SHEET
SCALE: 1" = 60'	6
DRAWN BY: JCW	
CHECKED BY: JLW	
PROJECT NO: 2012.19	

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