

REVISIONS

REV. 9/9/15:	
1.	ADDED DRAINAGE ARROWS AT ROADSIDE DITCH.
2.	ADDED C.O.W. GREENVILLE AVE DRAINAGE EASEMENT TO PLAN.

INTRACOASTAL ENGINEERING, PLLC
 91 Pelican Point Road
 Wilmington, North Carolina 28409
 Phone: 910.409.3567
 Email: charlie@intracoastalengineering.com
 License Number: P-0662

SITE, GRADING, DRAINAGE, AND UTILITY PLAN
 FOR
SEAGATE LANDING
 GREENVILLE AVE,
 WILMINGTON, NC 28403

Charles D. Calter
 8.19.15

CLIENT INFORMATION:
 Stephen B Conway
 6248 Towles Road
 Wilmington, NC 28409
 Phone: 910-538-9737

DRAWN:	JAE	SHEET SIZE:	24x36
CHECKED:	CDC	DATE:	8/19/2015
APPROVED:	CDC	SCALE:	1" = 30'
PROJECT NUMBER:	2015-003		

DRAWING NUMBER:
C-1
 1 OF 8

- General Notes:**
- New Hanover County Parcel Nos.:
 PIN 314720.90.7710 (219 Greenville Ave.)
 [PID 5619-008-029-000]
 PIN 314720.90.7677 (217 Greenville Ave.)
 [PID 5619-008-029-001]
 - Total Tract Area: 81,410 s.f. (1.87 ac.)
 - Existing Zoning District: R-5 (CD)
 Setbacks - 20' Front
 10.5' Corner
 15' Rear
 7' Interior Side
 - CAMA Land Classification:
 Watershed Resource Protection
 4. Parking Required: Min. 2.25 Spaces
 Max. 2.5 Spaces

Development Data:
 Proposed Land Use: Residential
 Development Lot Area: 81,410 s.f.

Surfaces:

Offsite Pmt. -	4,605 s.f.±
Offsite Walks -	823 s.f.±
Driveways -	2,208 s.f.±
Walks -	605 s.f.±
Total -	2,813 s.f. (3.46%)

Disturbed Area: 0.998 ac.

Utility Capacity:
 Existing Use - (1) 3 BR Residence
 Sewer & Water @ 360 GPD = 360 GPD

- Development Notes:**
- All development shall be in accordance with the City of Wilmington Land Development Code.
 - Project shall comply with all Federal, State & New Hanover County regulations.

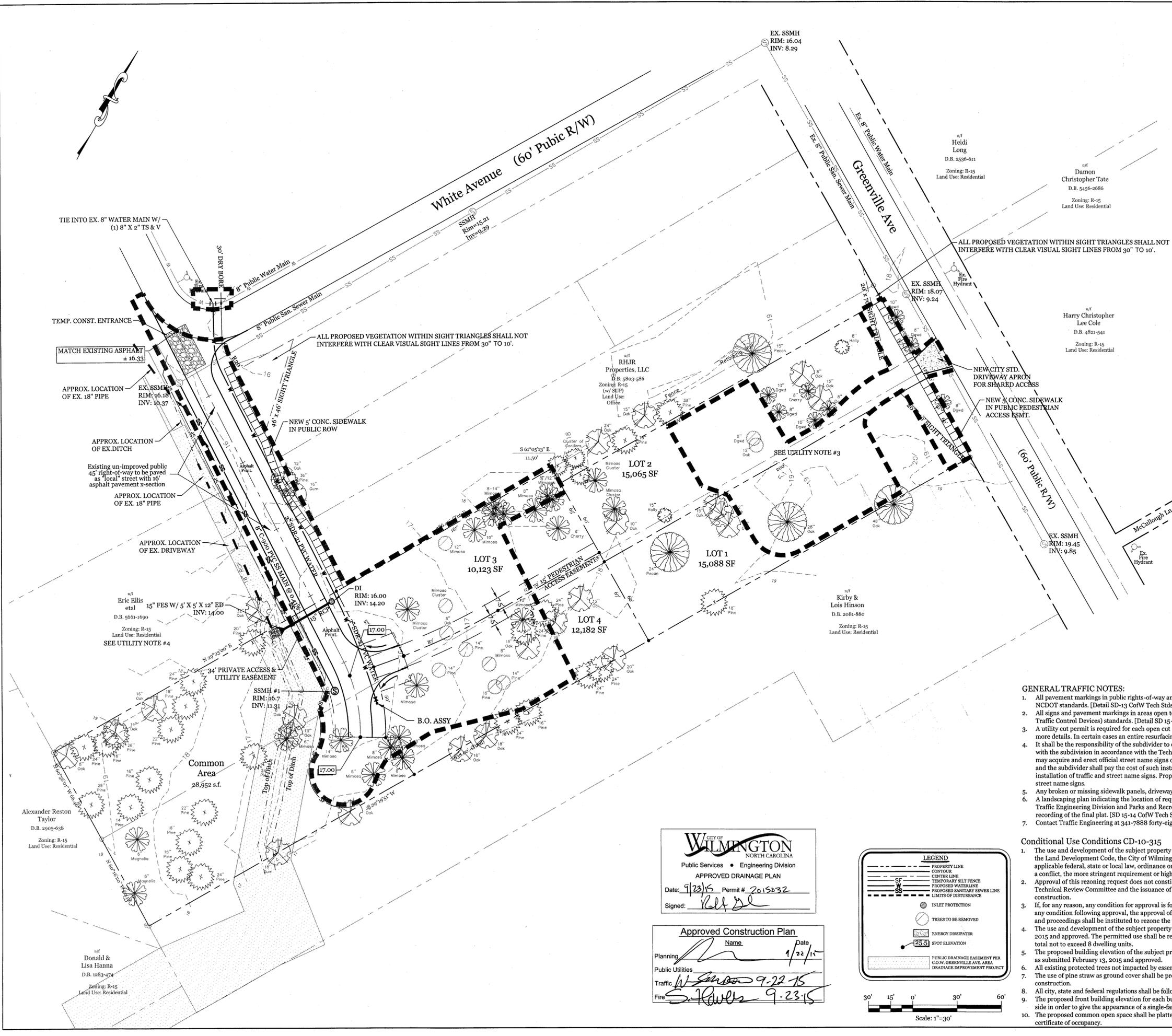
- Site Inventory Notes:**
- Soils Type: Be (Baymeade fine sand)
 - This property is not impacted by any AEC.
 - There are no Conservation Overlay boundaries affecting this property.
 - This site is not impacted by any recognized historic or archeological significance.
 - No cemeteries were evidenced on the site.
 - Existing vegetation has been located and is labeled.
 - There is no evidence of jurisdictional wetlands on the site.
 - There is no evidence of endangered species or habitat issues on the site.
 - This property is not within any flood hazard area as evidenced on N.C. Flood Map 3720314700J.
 - The site drainage flows into the Bradley Creek drainage basin, into SC classified waters.

- Utility Notes:**
- Existing water and sanitary sewer services are currently available to the site from Cape Fear Public Utility Authority public mains.
 - Solid waste disposal is serviced by City of Wilm. by curb-side cart pickup.
 - Lots 1 & 2 to Water and Sewer Services to be served from Greenville Ave.
 - Ex. lot on White Ave. Extension owned by Eric Ellis to be provided with new Water and Sewer service.
 - Water Lines to have Min. 30" cover.

- Fire & Life Safety Notes:**
- Construction Type - 5B
 - Buildings will not be sprinkled.
- Survey provided by:
 Paul D. Talbot, P.L.S. L-4099

- GENERAL TRAFFIC NOTES:**
- All pavement markings in public rights-of-way and for driveways are to be thermoplastic and meet City and/or NCDOT standards. [Detail SD-13 CofW Tech Stds]
 - All signs and pavement markings in areas open to public traffic are to meet MUTCD (Manual on Uniform Traffic Control Devices) standards. [Detail SD 15-13 CofW Tech Stds]
 - A utility cut permit is required for each open cut of a City street. Note this on the plan and contact 341-5888 for more details. In certain cases an entire resurfacing of the area being open cut may be required.
 - It shall be the responsibility of the subdivider to erect official street name signs at all intersections associated with the subdivision in accordance with the Technical Standards and Specifications Manual. The subdivider may acquire and erect official street name signs or may choose to contract with the city to install the street signs and the subdivider shall pay the cost of such installation. Contact Traffic Engineering at 341-7888 to discuss installation of traffic and street name signs. Proposed street names must be approved prior to installation of street name signs.
 - Any broken or missing sidewalk panels, driveway panels and curbing will be replaced.
 - A landscaping plan indicating the location of required street trees shall be submitted to the City of Wilmington Traffic Engineering Division and Parks and Recreation Department for review and approval prior to the recording of the final plat. [SD 15-14 CofW Tech Stds]
 - Contact Traffic Engineering at 341-7888 forty-eight hours prior to any excavation in the right of way.

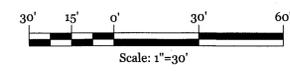
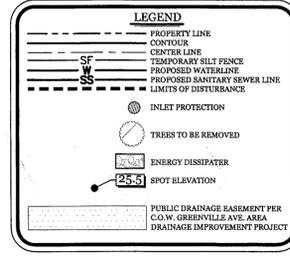
- Conditional Use Conditions CD-10-315**
- The use and development of the subject property shall comply with all regulations and requirements imposed by the Land Development Code, the City of Wilmington Technical Standards and Specifications Manual and any other applicable federal, state or local law, ordinance or regulation, as well as any condition stated below. In the event of a conflict, the more stringent requirement or higher standard shall apply.
 - Approval of this rezoning request does not constitute technical approval of the site plan. Final approval by the Technical Review Committee and the issuance of all required permits must occur prior to release of the project for construction.
 - If, for any reason, any condition for approval is found to be illegal or invalid or if the applicant should fail to accept any condition following approval, the approval of the site plan for the district shall be null and void and of no effect and proceedings shall be instituted to rezone the property to its previous zoning classification.
 - The use and development of the subject property shall be in accordance with the plan as submitted February 13, 2015 and approved. The permitted use shall be restricted to a four lot single-family or duplex development for a total not to exceed 8 dwelling units.
 - The proposed building elevation of the subject property shall be in accordance with the Seagate Neighborhood Plan as submitted February 13, 2015 and approved.
 - All existing protected trees not impacted by essential site improvements shall be preserved or mitigated.
 - The use of pine straw as ground cover shall be prohibited within 10 feet of any proposed combustible exterior construction.
 - All city, state and federal regulations shall be followed.
 - The proposed front building elevation for each building shall be modified by moving one of the entrances to the side in order to give the appearance of a single-family structure.
 - The proposed common open space shall be platted as an undevolvable lot and recorded prior to issuance of certificate of occupancy.

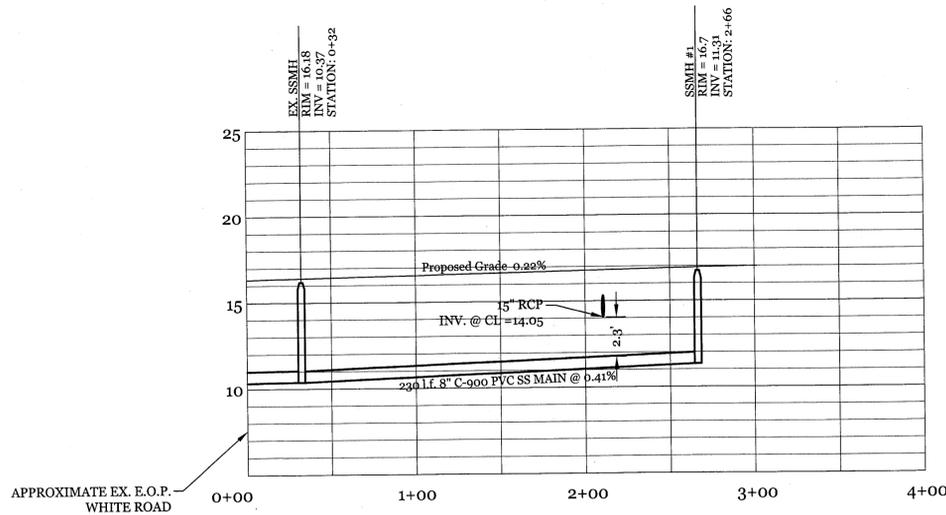
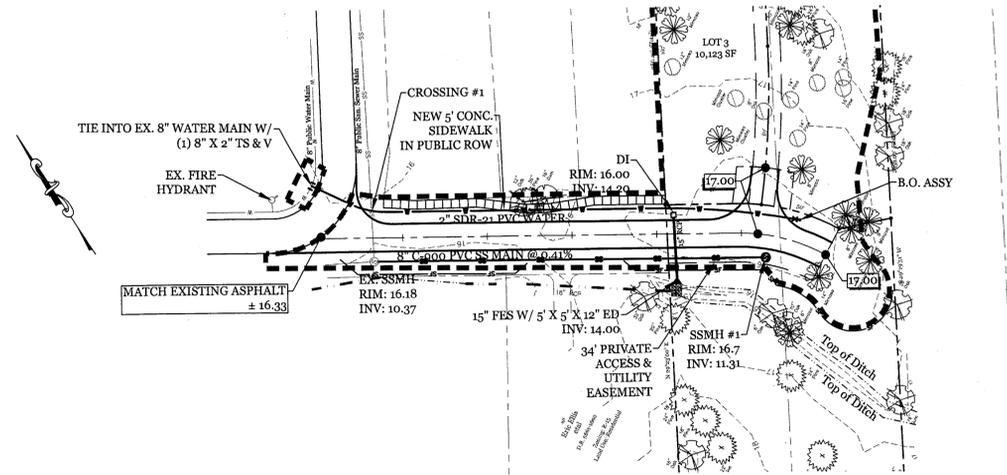


CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
APPROVED DRAINAGE PLAN
 Date: 9/23/15 Permit # 2015032
 Signed: [Signature]

Approved Construction Plan

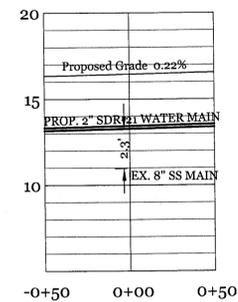
Name	Date
Planning: [Signature]	1/22/15
Public Utilities: [Signature]	9.22.15
Traffic: [Signature]	9.23.15
Fire: [Signature]	9.23.15





WHITE AVENUE EXTENSION PROFILE

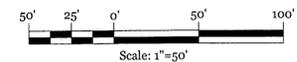
SCALE:
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HORIZONTAL: 1"=50'



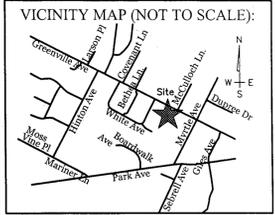
CROSSING #1
SCALE:
VERTICAL: 1"=5'
HORIZONTAL: 1"=50'

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NORTH CAROLINA
Public Services • Engineering Division
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Approved Construction Plan
Name: [Signature] Date: 9/23/15
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Public Utilities: [Signature] Date: 9/22/15
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LEGEND	
[Symbol]	PROPERTY LINE
[Symbol]	CONTOUR
[Symbol]	CENTER LINE
[Symbol]	TEMPORARY SILT FENCE
[Symbol]	PROPOSED WATERLINE
[Symbol]	PROPOSED SANITARY SEWER LINE
[Symbol]	LIMITS OF DISTURBANCE
[Symbol]	INLET PROTECTION
[Symbol]	TREES TO BE REMOVED
[Symbol]	ENERGY DISSIPATER
[Symbol]	SPOT ELEVATION



REVISIONS

REV. 9/9/15: ADDED CROSSING #1 DETAIL.

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PLAN/PROFILE FOR SEAGATE LANDING GREENVILLE AVE, WILMINGTON, NC 28403

PROFESSIONAL SEAL
NORTH CAROLINA
SEAL
032555
ENGINEER
CHARLES D. CAZIER
8-19-15

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DRAWING NUMBER: **C-2**

LATE WINTER & EARLY SPRING TEMPORARY GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb/acre)
Rye (Grain)	120
Annual Impatiens (Coke in Piedmont and Coastal Plain, Korean in Mountains)	50

SEEDING DATES:
 Mountains - Above 2000 ft. Feb. 15-May 15
 Piedmont - Jan. 1-May 1
 Coastal Plain - Dec. 1-Apr. 15

SOIL AMENDMENTS
 Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 500 lb/acre 10-10-10 fertilizer.

MULCH
 Apply 4,000 lb/acre straw, anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

MAINTENANCE
 Referential if growth is not fully adequate. Reseed, referential and mulch immediately following erosion or other damage.

TEMPORARY SUMMER GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb/acre)
GERMAN MILLET	40

SEEDING DATES:
 IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUNGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE.

SOIL AMENDMENTS
 FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH
 APPLY 4,000 LB/ACRE STRAW, ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
 REFERENTIAL IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERENTIAL AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

TEMPORARY FALL GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb/acre)
Rye (Grain)	120

SEEDING DATES:
 MOUNTAINS - AUG. 15-DEC. 15
 COASTAL PLAIN AND PIEDMONT - AUG. 15-DEC. 30

SOIL AMENDMENTS
 FOLLOW SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER.

MULCH
 APPLY 4,000 LB/ACRE STRAW, ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
 Repair and referential damaged areas immediately. Topdress with 50 lb/acre of nitrogen in March. If it is necessary to extend temporary cover beyond June 15, mow with 50 lb/acre Coke (Piedmont and Coastal Plain) or Korean (Mountains) topdress in late February or early March.

SPRING-SUMMER PERMANENT GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb/acre)
PERENNIAL BAHIAGRASS	50
SERICEA LESPEDEZA	30
COMMON BERBERIDGRASS	10
GERMAN MILLET	10
TALL FESCUE	50

SEEDING NOTES:
 1. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA.
 2. USE COMMON BERBERIDGRASS ONLY ON ISOLATED SITES WHERE IT CANNOT BE COMBINED WITH PERENNIAL BAHIAGRASS. PERENNIAL BAHIAGRASS MAY BE REPLACED WITH 50 LB/ACRE CENTIPEDIA GRASS.

SEEDING DATES:
 APRIL - JULY 15

SOIL AMENDMENTS
 APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 500 LB/ACRE 10-10-10 FERTILIZER.

MULCH
 APPLY 4,000 LB/ACRE STRAW EQUIVALENT COVER OF ANOTHER SUITABLE MULCH, ANCHOR BY TACKLING WITH ASPHALT, NETTING, OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
 REPERFERTILIZE THE FOLLOWING APRIL WITH 50 LB/ACRE NITROGEN. REPEAT AS GROWTH REDUCES. MAY BE MOVED ONLY ONCE A YEAR, WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA AND MOW AS OFTEN AS NEEDED.

FALL-WINTER PERMANENT GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb/acre)
TALL FESCUE (BLEND OF TWO OR THREE IMPROVED VARIETIES)	200
RYE (GRAIN)	25

SEEDING DATES:
 JANUARY - APRIL
 AUGUST - DECEMBER

SOIL AMENDMENTS
 APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000-5,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE (USE THE LOWER RATE ON SANDY SOILS) AND 1,000 LB/ACRE 10-10-10 FERTILIZER.

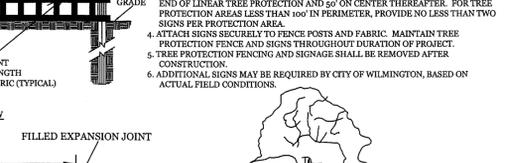
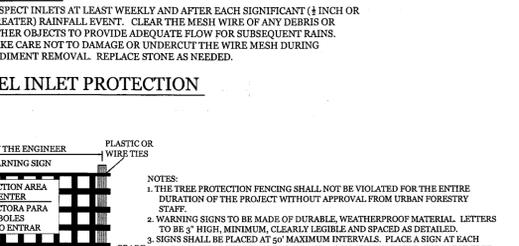
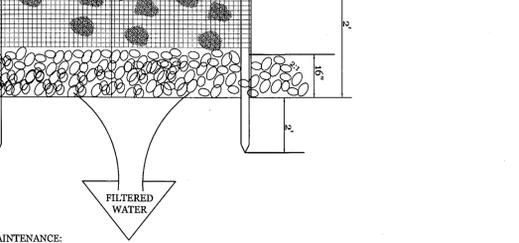
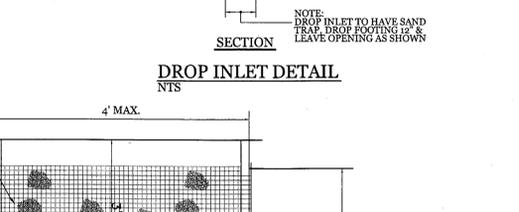
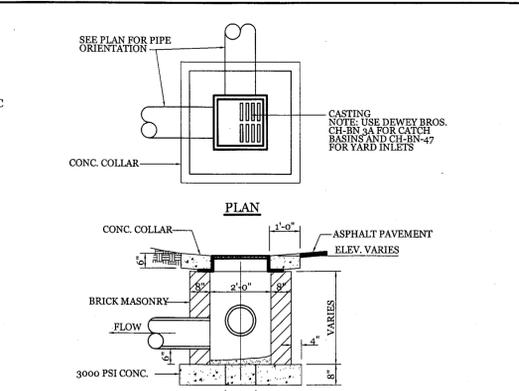
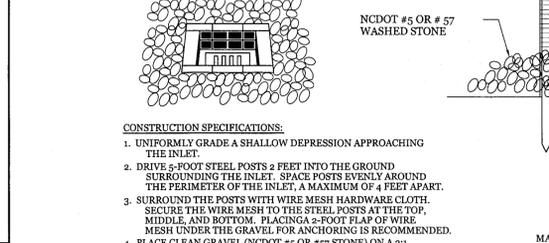
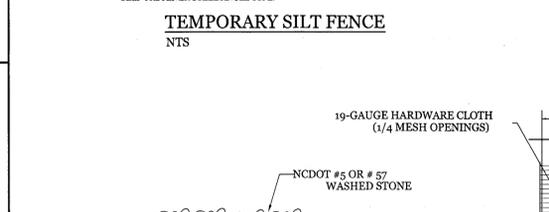
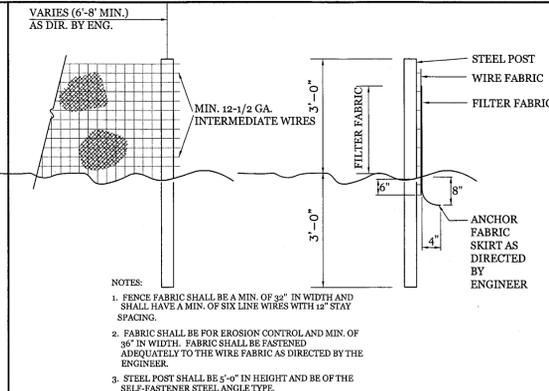
MULCH
 APPLY 4,000 LB/ACRE GRASS STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH, ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
 FERTILIZE ACCORDING TO SOIL TESTS OR APPLY 40 LB/ACRE NITROGEN IN JANUARY OR FEBRUARY, 40 LB IN SEPTEMBER AND 10 LB IN NOVEMBER. FROM A 1/2-1/4-8-8 OR SIMILAR TURF FERTILIZER, AVOID FERTILIZER APPLICATIONS DURING WARM WEATHER. AS THIS INCREASES STAND LOSSES DUE TO DISEASE, ROSSER, FERTILIZER, AND MULCH DAMAGED AREAS IMMEDIATELY MOW TO A HEIGHT OF 2-3-5 INCHES AS NEEDED.

GROUND STABILIZATION CRITERIA

SITE AREA DESCRIPTION	STABILIZATION TIMEFRAME	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 ft. in length.
* All other areas with slopes flatter than 4:1	14 Days	None (except for perimeters & HQW Zones)

Note: Ground Stabilization chart may be required by NPDES permit.



- SITE WORK NOTES:**
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BOTH ON AND ADJACENT TO THE SITE.
 - CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION UNLESS OTHERWISE DESIGNATED TO REMAIN.
 - GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN LIMITS OF CONSTRUCTION.
 - MUCKING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY SOFT AREAS.
 - DISPOSAL: CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
 - FILL AND COMPACTION SHOULD COMPLY WITH GEOTECHNICAL RECOMMENDATIONS.
 - THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT AND FILL QUANTITIES AND COMPLETE INSTALLATION TO SPECIFIED GRADES.
 - THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS REQUIRED.
 - INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES AT ALL CROSSINGS PRIOR TO COMMENCING TRENCH EXCAVATION. IF ACTUAL CLEARANCES ARE LESS THAN INDICATED ON PLAN, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ANY CONDITION DISCOVERED OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
 - NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NC ONE-CALL" AT LEAST 48 HOURS BEFORE COMMENCING CONSTRUCTION.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. BEFORE COMMENCING ANY EXCAVATIONS IN OR ALONG ROADWAYS OR RIGHT-OF-WAYS, PUBLIC AREAS OR IN PRIVATE EASEMENTS, THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO EXCAVATING.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE PERSONNEL.
 - CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE & CURB BOXES TO FINAL GRADE UPON COMPLETION OF ALL CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
 - EXISTING SURVEYING PERFORMED BY TALBOT LAND SURVEYING, PC
 - THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES OR QUESTIONS TO THE ENGINEER PRIOR TO INSTALLATION.
 - THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED BY OWNER.
 - ALL SERVICE CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL, STATE, AND CFPWA CODES. METERS, TAPS, MATERIALS, WORKMANSHIP AND ALL FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS.
 - ALL BACKFILL FROM UTILITY INSTALLATION MUST BE COMPACTED OR AMENDED TO PROVIDE TRAFFIC BEARING CAPACITY. GEOTECHNICAL ENGINEER TO BE CONSULTED AT CONTRACTOR'S COST AS NECESSARY.
 - ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES.
 - CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS - AIR ENTRAINED.
 - FIELD TESTING SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY PAID FOR BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR.
 - ALL SIDEWALKS SHALL BE FREE OF CRACKS, BREAKS, OR ANY OTHER DEFECT PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY.

- CONSTRUCTION SEQUENCE:**
- CONSTRUCTION OF SITE TO START WITH INSTALLATION OF CONSTRUCTION ENTRANCE AND SILT FENCE ALONG ALL LOCATIONS PER PLANS. UPON INSTALLATION OF SILT FENCE, TREES SHOULD BE REMOVED IN LOCATIONS AS NECESSARY. DITCH PLUG TO BE INSTALLED PRIOR TO CLEARING, GRADING & DITCH FILLING. ALL SLOPED AREAS SHOULD BE SEED IN ACCORDANCE TO SPECIFICATIONS. SLOPE STABILIZATION IS WITHIN 21 CALENDAR DAYS OF ANY PHASE OF CONSTRUCTION. ALL OTHER AREAS MUST BE STABILIZED WITHIN 15 WORKING DAYS. CONTRACTOR TO FOLLOW NPDES STABILIZATION REQUIREMENTS PER TABLE ON THIS SHEET AS WELL. MOST STRINGENT REQUIREMENT TO BE MET.
 - GENERAL CLEARING AND GRADING OF THIS SITE WILL NOT BE DONE UNTIL THE TEMPORARY SILT FENCE & CONSTRUCTION ENTRANCE HAS BEEN INSTALLED.
 - NO CUT SLOPE OR FILL SLOPE SHALL EXCEED A RISE OR FALL OF ONE FOOT FOR EVERY RUN OF 3 FEET (1 VERTICAL TO 3 HORIZONTAL).
 - NO SEDIMENT WILL BE ALLOWED TO EXIT THE SITE. ALL EROSION SHALL BE CONTROLLED INCLUDING SIDE SLOPES DURING AND AFTER CONSTRUCTION.
 - INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRAVELLED CONSTRUCTION ENTRANCE, SILT FENCE, TREE PROTECTION FENCE & SEDIMENT BARRIERS. CONTRACTOR TO BE FAMILIAR WITH USACE GENERAL PERMIT CONDITIONS FOR 4 ROAD CROSSINGS. SPECIFIC CONSTRUCTION METHODS MAY BE REQUIRED ABOVE AND BEYOND WHAT IS SPECIFIED IN THIS PLAN. INSTALL ALL SECONDARY EROSION CONTROL MEASURES, SUCH AS INLET PROTECTION AS SOON AS POSSIBLE AFTER BEGINNING CONSTRUCTION.
 - ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN. SILT FENCE AND INLET PROTECTION TO BE CLEANED WHEN HALF FULL.
 - A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSED.
 - MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
 - MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS PLAN PROVE TO BE LESS EFFECTIVE.
 - REMOVE ALL TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. ALL PERMANENT MEASURES SHALL BE WELL ESTABLISHED PRIOR TO PROJECT COMPLETION.

- MAINTENANCE PLAN**
- 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 AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
 - ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF 2-3 INCH STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ON TO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
 - SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION, SEDIMENT TRAP BAFFLES, AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
 - CHECK SEDIMENT BASIN AND BAFFLES WEEKLY & AFTER EACH RAINFALL EVENT. REMOVE SEDIMENT FROM TRAP & BAFFLES AND RESTORE TO ORIGINAL VOLUME WHEN SEDIMENT ACCUMULATES TO ABOUT 1/2 THE DESIGN VOLUME. REPAIR / REPLACE BAFFLES IF TORN, COLLAPSED, OR INEFFECTIVE.
 - DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
 - SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 6 FEET MAX WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.

