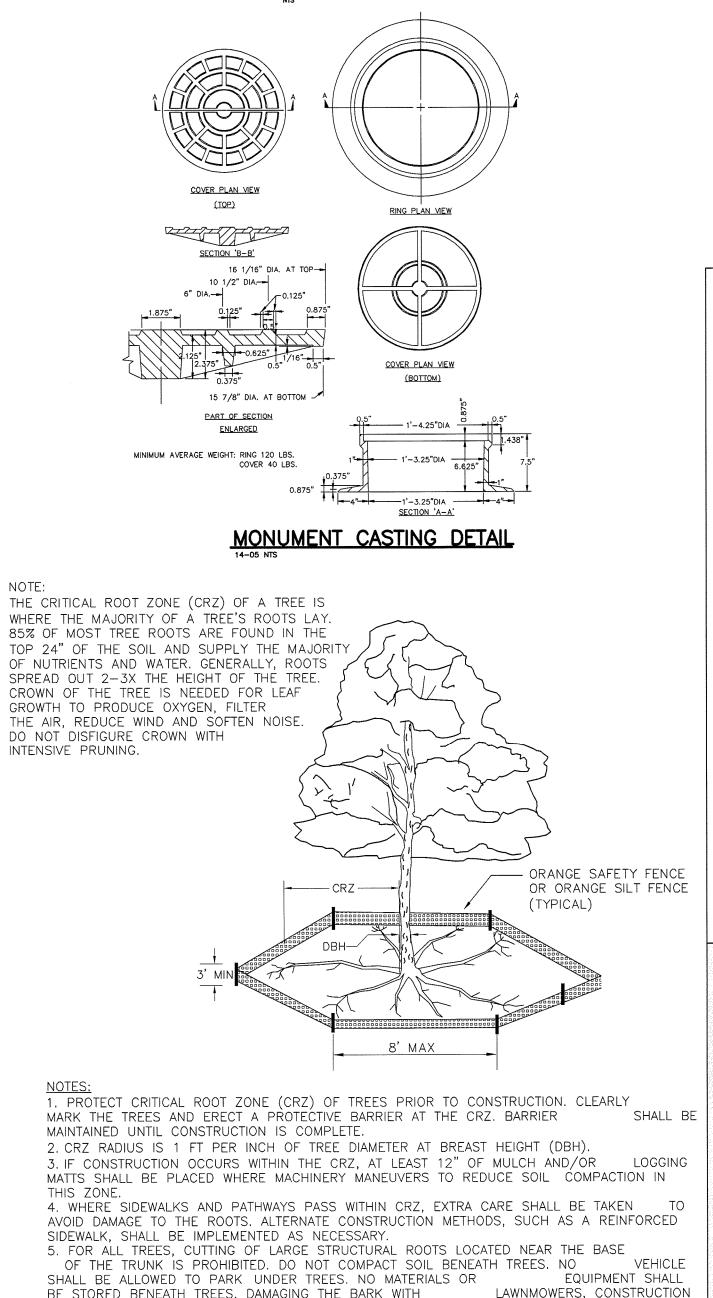
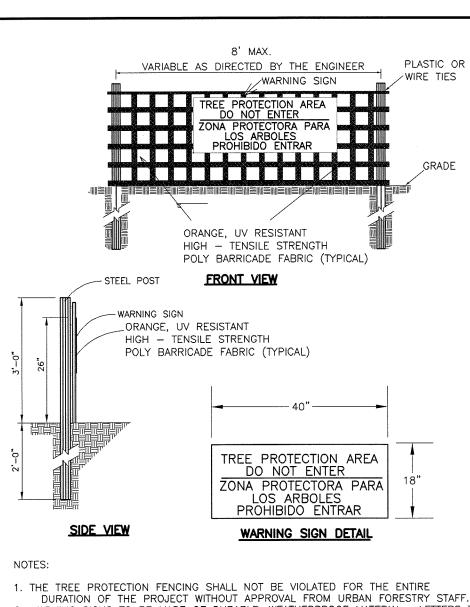


	/ 1/2PINE	00.00 7.25 14PINE				
SIGNIFICANT TREE MITIGATION CHART TREE TYPE TREE SIZE # OF TREES % MITIGATION REPLACEMENT TREES REQUIRED GUM 12 IN. 1 50 12x(2x0.50)/3=4 GUM 10 IN. 1 50 10x(2x0.50)/3=3.3 OAK 10 IN. 1 50 10x(2x0.50)/3=3.3	14PINE 14PINE 14PINE 12.78'	12PINE 14PINE 12PINE 14PINE 14PINE 12PINE 14PINE	12PINE 18PINE 12PINE 12PINE 12PINE 12PINE 12PINE 12PINE		Date De O3-08-17 COW O4-26-17 COW	EVISIONS Description By OW & EC OMMENTS OW COMMENTS EJW OW COMMENTS EJW
STORMWATER FACILITY LANDSCAPING CALCULATION TOP OF BANK VEGETATION VEGETATION TYPE OF CLUSTERS CLUSTERS FOOTAGE REQUIRED PROVIDED PROVIDED 1477 1477 / 100 = 14.77 15 CANOPY TREE	308 / 309 / 5 86	12PINE 12PINE 12PINE 12PINE 12PINE 12PINE 12PINE 12PINE 14PINE 12PINE 14PINE 12PINE 16PINE 18.84'	80 14PINE	E (2PINE 14PINE 14PINE 14PINE 15PINE	LOCATION MAP NOT TO SCALE	
SYM. NO. TYPE COMMON NAME SCIENTIFIC NAME SIZE REMARKS LI 80 TREE SHUMARD OAK GREEN ASH FRAXINUS PENNSYLVANICA 2" 35'-45' O.C. QL 11 TREE DARLINGTON OAK QUERCUS LAURIFOLIA 2"-2.5" QV 15 TREE LIVE OAK QUERCUS VIRGINIANA 2"-2.5" NOTE: 1. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SITE	EXISTING. FH EXISTING. FH EXISTING. FH STATE OF THE METERS OF THE MET	PIPORARY UCTION ENTRANCE 46'x46' SITE DISTANCE TRIANGLE 46'x46' SITE 90 149INE 90 149INE MATCH ASPHALT AND CURB CRAPE 25.45±16PINE 91 14PINE 16PINE 16PINE 16PINE 14PINE	Common 12PINE 78 Common 14PINE 78 REGREATION 2PINE AREA 15,345 SF 16PINE 12PINE 12PINE 77 12PINE	PROPOSED DETENTION POND Common Area	SD SD SF SO	
DISTANCE. PROPOSED BACKFLOW BOXES (AND ALL UTILITY SERVICE FACILITIES) ARE LESS THAN 30" IN HEIGHT.	PVC Passive Rec Area 9,797 sq. ft. SSMH No.4D RIM 25.3 N71 INV. 21.1 CH= R=16	10'54"W 20.69 99.19' 46'x46% SITE DISTANCE TRANSLE	76 12PINE 12PINE 12PINE 14PINE 14PINE 14PINE 14PINE 14PINE	STORM CONTROL BOX TOP BOX=27.20' BOTTOM WIER=23.40'	Approved Construction Plan Name Date	ACE II CAROLINA
	No.4A 24.2 20.22 12PINE	16PINE 40 12PINE 75 16PINE 14PINE 14PINE 14PINE 14PINE 12PINE 14PINE 14	14PINE 14PINE 14PINE 14PINE 12PINE 14PINE 12PINE 14PINE 14	14PINI PAY CLUSTER	Traffic Fire STORMWATER MANAGEMENT PLAN APPROVED CITY OF WILMINGTON ENCINEEDING DEDARTMENT	ORTUNE PL.
	12PINE 14PINE 14PINE 14PINE 1.2PINE 14PINE 1.2PINE 14PINE 1.25 95	14PINE 12PINE 12PINE 14PINE 14	18PINE 12PINE 14PINE 14PINE 14PINE 16PINE 16	30.00' PRIVATE DRAINAGE EASEMENT VE	ENGINEERING DEPARTMENT DATE PERMIT # SIGNED For each open utility cut of City streets, a \$325 permit shall be required from the	na 28401 F(
	S88*09'03"W 104.05' S88*09'03"W 104.05' S88*09'03"W 104.05' 14PINE 12PINE 12	14PNE 14PINE 14PINE 14PINE 170 14PINE 14PINE 15PINE 14PINE 15PINE 14PINE 15PINE	12PINE 8BAY 16PINE 16PINE 14PINE 14P	STORM CONTROL BOX TOP BOX=24.50' I.E.18'CPP=22.97'	ENG	lestnut Street gton, North Caroli 910—763—5100 910—763—5631 SE NO. C.—1427 SE NO. C.—1427 SE NO. C.—1427
15.78° M 165' 56' 51' M 14PINE 14 12PINE 12PINE 11	18PINE AREA 12PINE 12PINE 4 18PINE 4 44PINE 12PINE	48	PINE 9BAY 12PINE 20PINE 14PINE 14PINE 14PINE 14PINE 18PINE 18PINE 12PINE 12PINE 14PINE 18PINE 14PINE 18PINE 14PINE 18PINE 14PINE 14PINE 18PINE 14PINE	PROPOSED 4' MULCHED WALKING TRAIL 30.00' PUBLIC PEDESTRIAN/EASEMENT & PRIVATE DRAINAGE/EASEMENT	DRAINAGE EASEMENT=D.E. UTILITY EASEMENT=U.E. X12"PINE EXISTING TREE TO BE REMOVED EXISTING TREE TO BE REMOVED	Wilmin Wilmin Phone Fax © 2016 TRI
142PINE 124PINE 124PIN	NE + 14PINE	12PINE 12PINE 12PINE 12PINE 12PINE 12PINE 534,67' FIBER OPTIC LINE AS LOCATED BY EXISTING MARKS ON THE GROUND. 7	52 12PINE 14PINE 12PINE 14PINE	* The state of the	TREE PROTECTION DO NOT DISTURB SITE PLAN SITE PLAN	CAROLANDER AND THE POT
DI-7A RIM 24.0 INV. 15.23 (PROPOSED) 68.76' 22.55 R S88'33'39"W S88'33'39"W S88'33'39"W 72.07' 22.27 DI TF	Common Area ACTIVE 14PINE RECREATION AREA 79,811 SF 12PINE N89'09'38"W 78.30' 86.26' N85'40'14"W		TOW/DACAD	DRIVEWAYS	CURB AND GUTTER, CONCRETE SIDEWALK AND DRIVEWAYS TO BE CONCRETE. PLACED EVERY 5' ACROSS SIDEWALK, IN SIDEWALK AREA OF BE PLACED ACROSS SIDEWALK EVERY 30'. BE PLACED BETWEEN: SIDEWALK AND CURB, SIDEWALK AND	T 5 OF 9



NOT TO SCALE

CONTRACTOR SHALL REPAIR DAMAGE TO



INSPECT INLETS AT LEAST WEEKLY AND AFTER

ANY DEBRIS OR OTHER OBJECTS TO PROVIDE

ADEQUATE FLOW FOR SUBSEQUENT RAINS.

TAKE CARE NOT TO DAMAGE OR UNDERCUT

RAINFALL EVENT.

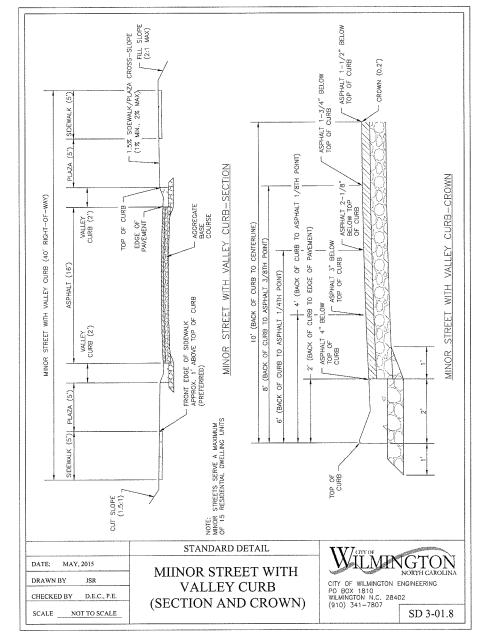
HARDWARE CLOTH AND GRAVEL INLET PROTECTION

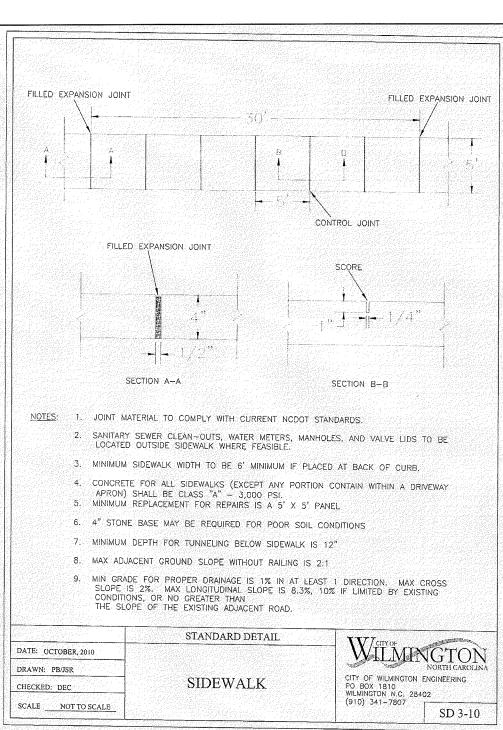
CLEAR THE MESH WIRE OF

2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED. 3. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.

4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TRE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION. 6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL

TREE PROTECTION DURING CONSTRUCTION SD 15-09 NOT TO SCALE





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 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)

FALL-WINTER

PERMANENT GRASSING DETAIL

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3.000-5,000 lb/dci GROUND AGRICULTURAL LIMESTONE (USE THE LOWER RATE ON SANDY SOILS) AND 1,000 lb/dcre 10-10-10 FERTILIZER.

LATE WINTER & EARLY SPRING TEMPORARY GRASSING DETAIL

Omit annual lespedeza when duration of temporary cover is not to extend beyond June.

Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10—10—10 fertilizer.

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.

Refertilize if growth is not fully adequate. Reseed, refertilize and mulch im-mediately following erosion or other damage.

TEMPORARY SUMMER GRASSING DETAIL

In the piedmont and mountains, a small-stemmed sundangrass may be substituted at a rate of 50 Lb/acre.

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

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.

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IM-MEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

RATE (lb/gcre)

RATE (lb/gcre)

RATE (lb/gcre)

RATE (lb/gcre)

SEEDING MIXTURE

SPECIES

SEEDING DATES

SOIL AMENDMENTS

January — April August — December

MAINTENANCE

SEEDING MIXTURE

SEEDING DATES:

SOIL AMENDMENTS

MAINTENANCE

SEEDING MIXTURE

<u>SPECIES</u>

SEEDING NOTES

MOUNTAINS — MAY 15—AUG. 15 PIEDMONT — MAY 1—AUG. 15 COASTAL PLAN — APR. 15—AUG. 15

SOIL AMENDMENTS

MAINTENANCE

SPECIES

SEEDING NOTES

SOIL AMENDMENTS

MULCH

MAINTENANCE

MOUNTAINS - AUG. 15-DEC. 15 COASTAL PLAN and PIEDMONT - AUG. 15-DEC 30

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

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.

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

GERMAN MILLET

MULCH

Rye (grain) Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)

Mountains - Above 2500 ft: Feb. 15-May 15 Below 2500 ft: Feb. 1-May 1

SLOPES 3:1 OR 14 DAYS LATTER	7 DAYS FOR SLOPES GREATER THAN 50 FEET	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.
	IN LENGTH	8. THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS
LL OTHER AREAS 14 DAYS	NONE (EXCEPT FOR	REQUIRED.
WITH SLOPES	PERIMETERS AND	9. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION.
LATTER THAN 4:1	HQW ZONES)	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
		THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN TO DAYS PRIOR TO EXCAVATING.
NIDDEC ODOLIN	10	10. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL
NPDES GROUN		EXISTING UTILITIES WITH APPROPRIATE PERSONNEL.
STABILIZATION	CRITERIA	11. EXISTING SURVEYING PERFORMED BY DEREK DANFORD AND SUPPLIED BY THE OWNER.
*	OTTI LITTI	12. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE THE CONTRACTOR SHALL REPORT ALL
NTS		DISCREPANCIES OR QUESTIONS TO THE ENGINEER PRIOR TO INSTALLATION.
		13. THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED
		BY OWNER.
		14. ALL PVC UTILITY MAINS SHALL BE INSTALLED WITH A MINIMUM OF 36" COVER AT FINAL GRADE. 15. ALL SERVICE CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL AND STATE CODES. METERS, TAPS, MATERIALS,
CDDIMO CIII	MACO	13. ALL SERVICE CONNECTIONS STALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS.
SPRING-SU	MMER	16. ALL PAVEMENT, BASE AND SUBGRADE SHALL CONFORM TO NCDOT STANDARDS INCLUDING WORKMANSHIP, MATERIALS AND
PERMANENT GRAS	SSING DETAIL L	EQUIPMENT. APPROPRIATE BARRICADES, SIGNS, LIGHTS OR OTHER TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN
	551116 521742	ACCORDANCE WITH NCDOT TO MAINTAIN SAFETY AND TWO WAY TRAFFIC.
SEEDING MIXTURE		17. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE
SPECIES	RATE (lb/gcre)	ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES.
PENSACOLA BAHIAGRASS	50	18. CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS V WITH RUBBER GASKETED JOINTS AND INSTALLED IN ACCORDANCE WITH
SERICEA LESPEDEZA	30	MANUFACTURER'S REQUIREMENTS. 19. USE WHITE LANE MARKING PAINT FOR ALL PAVEMENT MARKINGS. PAINT SHALL BE A CHLORINATED RUBBER ALKYD, FS
COMMON BERMUDA GRASS GERMAN MILLET	10 10	TT-P-115, TYPE III, FACTORY MIXED, QUICK DRYING, NON BLEEDING. REFLECTIVE MATERIAL MAY BE ADDED AT OWNER'S OPTION
TALL FESCUE	50 I	FOR NIGHT REFLECTING.
		20. DUCTILE IRON SHALL BE CLASS 50.
SEEDING NOTES		21. CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS -
		AIR ENTRAINED.
WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA. USE COMMON BERMUDA GRASS ONLY ON ISOLATED SITES WHERE IT CANNOT BE— COME A PEST. BERMUDA GRASS MAY BE REPLACED WITH 5 Ib/acre Centifede Grass.		22. 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.
	1	23. SEE GEOTECHNICAL REPORT NO, DATED, BY FOR ADDITIONAL REQUIREMENTS.
CEEDING DATES		REQUIREMENTS. CONSTRUCTION SEQUENCE
SEEDING DATES		1. 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
APRIL 1 - JULY 15		HORIZONTAL).
		2. NO SEDIMENT WILL BE ALLOWED TO EXIT THE SITE. ALL EROSION SHALL BE CONTROLLED INCLUDING SIDE SLOPES DURING
SOIL AMENDMENTS		AND AFTER CONSTRUCTION.
		3. INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRAVELED
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000 ib/ocre GROUND AGRICULTURE LIMESTONE AND 500 ib/ocre 10-10-10 FERTILIZER.		CONSTRUCTION ENTRANCE, SILT FENCE, CHECK DAMS, ETC. INSTALL ALL SECONDARY EROSION CONTROL MEASURES AS SOON AS
GROOMS ASMOSCISTE EMESIONE AND SOC IS/C	ord to to takindadi.	POSSIBLE AFTER BEGINNING CONSTRUCTION. 4. ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN. SILT FENCE AND INLET PROTECTION ARE TO BE
		CLEANED WHEN 0.5 FEET OF SEDIMENT HAVE ACCUMULATED IN FRONT OF THE DEVICE OR WHEN THEY LEAK OR FAIL. SEDIMENT
		TRAPS ARE CLEANED OUT AS STATED OR WHEN HALF FULL.
MULCH	1	5. IF APPLICABLE, CONSTRUCT PROPOSED RETENTION POND TO ACT AS A SEDIMENT BASIN DURING CONSTRUCTION. REMOVE
APPLY 4,000 Ib/gcre GRAIN STRAWOR EQUIVALEN	IT COVER OF ANOTHER SUITABLE	ACCUMULATION OF SILT AS REQUIRED TO ALLOW PROPER FUNCTIONING. RESTORE POND TO DESIGN LEVELS AT THE COMPLETION
MULCH, ANCHOR BY TACKING WITH ASPHALT, ROV	VING. OR NETTING OR BY CRIMPING	OF CONSTRUCTION.
WITH A MULCH ANCHORING TOOL, A DISK WITH E	BLADES SET NEARLY STRAIGHT CAN BE	6. IF APPLICABLE, INSTALL DROP INLETS WITH INLET PROTECTION TO ACT AS SILT TRAPS DURING CONSTRUCTION.
USED AS A MULCH ANCHORING TOOL.		REMOVE ACCUMULATED SILT AS NEEDED TO PREVENT SILT FROM ENTERING STORM DRAIN PIPING.
		7. A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSED.
MAINTENANCE		8.MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
MAINIENANCE		9. MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS PLAN PROVE TO BE
REFERTILIZE THE FOLLOWING APRIL WITH 50 lb/o	cre NITROGEN, REPEAT AS GROWTH	LESS EFFECTIVE.
REQUIRES. MAY BE MOWED ONLY ONCE A YEAR. DESIRED, OMIT SERICEA AND MOW AS OFTEN AS		10. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. ALL
DESIRED, UMIT SERICEA AND MOW AS UPTEN AS	IVELULU.	PERMANENT MEASURES SHALL BE WELL ESTABLISHED PRIOR TO PROJECT COMPLETION.
	1	11 CONTRACTOR CHALL INCTALL CANITARY SEWER MAIN AND SERVICES FIRST FOLLOWER BY STORM DRAIN THIS

OF CONSTRUCTION.

OF ANY SOFT AREAS.

MAINTENANCE PLAN

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 AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL 2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SÉDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS. 3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET, ROCK DOUGHNUT INLET PROTECTION 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. . 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 5. 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 STEFI STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. 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.

6. SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. THE ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE. TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.

7. SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN WHEN THE DESIGN STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR IF THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPAIRED OR REPLACED IF THEY TEAR,
DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED
FROM BAFFLES WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE
INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
8. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDAR DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING 9. FLOCCULATES WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

1.CONTRACTOR SHALL INSTALL SANITARY SEWER MAIN AND SERVICES FIRST FOLLOWED BY STORM DRAIN. THIS

WILL MINIMIZE CONTACT TYPICALLY ENCOUNTERED WHEN INSTALLING SEWER SERVICES AFTER COMPLETION OF

THE STORM DRAIN. CONTRACTOR SHALL VIDEO INSTALLATION OF WATER SERVICES WHILE INSTALLING ACROSS

THE STORM DRAIN TO PROVIDE EVIDENCE OF NO DAMAGES. EXTRA CARE AND USE OF HAND EQUIPMENT FOR

INSTALLING WATER SERVICES WILL BE USED. ALL STORM DRAIN TO BE CLASS V.

SITE WORK NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIARIZED WITH EXISTING CONDITIONS BOTH ON AND IMMEDIATELY

ADJACENT TO THE SITE.

2. CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION UNLESS OTHERWISE

DESIGNATED TO REMAIN, 3. GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION

. MUCKING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL

5. 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 REPORT.

THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK CONDITION. THE

SITE POLLUTANTS NOTES

1. LOCATE AREAS DEDICATED FOR MANAGEMENT OF LAND CLEARING AND DEMOLITION DEBRIS, CONSTRUCTION AND DOMESTIC WASTE, AND HAZARDOUS OR TOXIC WASTE. THIS LOCATION SHALL BE AT LEAST 50' AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE. 2. DUMPING OF PAINT OR OTHER LIQUID BUILDING MATERIAL WASTES IN STORM DRAINS IS PROHIBITED. 3. LITTER AND SANITARY WASTE-THE PERMITTEE SHALL CONTROL THE MANAGEMENT AND DISPOSAL OF LITTER AND SANITARY WASTE FROM THE SITE. 4. LOCATE EARTHEN—MATERIAL STOCK PILE AREAS AT LEAST 50' AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.

5. CONCRETE MATERIALS ONSITE, INCLUDING EXCESS CONCRETE, MUST BE CONTROLLED AND MANAGED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS OR BUFFERS. NO CONCRETE OR CEMENT SLURRY SHALL BE DISCHARGED FROM THE SITE.
6. ANY HARDENED CONCRETE RESIDUE WILL BE DISPOSED OF, OR RECYCLED ON SITE, IN ACCORDANCE WITH LOCAL AND STATE SOLID WASTE REGULATIONS.
7. SOIL STABILIZATION SHALL BE ACHEIVED ON ANY AREA OF A SITE WHERE LAND—DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE: i. 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 ii. 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.

8. CONDITIONS-IN MEETING THE STABILIZATION REQUIREMENTS ABOVE, THE FOLLOWING CONDITIONS OR EXEMPTIONS SHALL APPLY: EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE. ii. ALL SLOPES 50' IN LENGTH OR GREATER SHALL APPLY TO 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.

iii. ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT. iv. 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.

v. ALTHOUGH STABILIZATION IS USUALLY SPECIFIED AS GROUND COVER, OTHER METHODS, SUCH AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS. vi. 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

SKIMMER AND BAFFLE MAINTENANCE - INSPECT SKIMMER SEDIMENT BASINS AT LAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE—HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE—HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE TEMPORARY FALL GRASSING DETAIL SEEDING MIXTURE

SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.

— REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE—ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH. OR AROUND THEM. - IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE DEBRIS. ALSO, CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS.

— IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER. - CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT

SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT, MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER POOL AREA.

— FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

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