

activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F. respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet

Temporary and Permanent Groundcover*

may not apply depending on site conditions and the delegated authority having jurisdiction.

SITE AREA DESCRIPTION		STABILIZATION	TIMEFRAME EXCEPTIONS	
74.5	Perimeter dikes, swales, ditches, 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 parimeters and HQW Zone	

*-For Falls Lake watershed, in disturbed areas where grading activities are incomplete, provide temporary groundcover no later than seven (7) days for slopes steeper than 3:1; ten (10) days for slopes equal to or flatter than 3:1; fourteen (14) days for areas with no slope.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
Temporary grass seed covered with straw or other mulches and tackifiers	Permanent grass seed covered with straw or other mulches and tackifiers
Hydroseeding	Geotextile fabrics such as permanent soil

 Rolled erosion control products with or without reinforcement matting temporary grass seed Appropriately applied straw or other mulch • Shrubs or other pe with mulch

Plastic sheeting Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls

POLYACRYLAMIDES (PAMS) AND FLOCCULANT

Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants.

- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions. Provide ponding area for containment of treated Stormwater before discharging
- 5. Store flocculants in leak-proof containers that are kept under storm-resistant cove or surrounded by secondary containment structures.

NORTH CAROLINA

Environmental Quality

QUIPMENT AND VEHICLE MAINTENANCE

Maintain vehicles and equipment to prevent discharge of fluids Provide drip pans under any stored equipment.

Identify leaks and repair as soon as feasible, or remove leaking equipment from the . Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).

5.	Remove leaking vehicles and construction equipment from service until the problem
	has been corrected.
6.	Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products
	to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers. Provide a sufficient number of waste containers on site to manage the quantity of waste produced.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available. Locate waste containers on areas that do not receive substantial amounts of runof from upland areas and does not drain directly to a storm drain, stream or wetland

Cover waste containers at the end of each workday and before storm events. Repair

- or replace damaged waste containers. Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Dispose waste off-site at an approved disposal facility

PAINT AND OTHER LIQUID WASTE

- Do not dump paint and other liquid waste into storm drains, streams or wetlands Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area. Containment must be labeled, sized and placed appropriately for the needs of site. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from

- PORTABLE TOILETS Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot
- offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags. Provide staking or anchoring of portable toilets during periods of high winds or in high
- foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least
- 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

SECTION B-8 CONCRETE NOTING DEVICE (187324 MIN.) CONCRETE NOTING DEVICE (1870) WAY) 2. THE CONCRETE WASHOUT STRUCTURES SHALL MAINTAINED WHEN THE LICUID ANDIOR SOUD REJ 78% OF THE STRUCTURES CAPACITY. 3.CONCRETE WASHOUT STRUCTURE NEE TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE. 3 CONCRETE WASHOUT STRUCTURE NEEDS TO CLEARY MARKED WITH SIGNAGE NOTING DEVICE BELOW GRADE WASHOUT STRUCTURE ABOVE GRADE WASHOUT STRUCTURE

CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site. Dispose of, or recycle settled, hardened concrete residue in accordance with loca
- and state solid waste regulations and at an approved facility Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within
- Install temporary concrete washouts per local requirements, where applicable. If a alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum. install protection of storm drain inlet(s) closest to the washout which could receive
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- 10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

IERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label Store herbicides, pesticides and rodenticides in their original containers with the
- label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning. Do not store herbicides, pesticides and rodenticides in areas where flooding is
- possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately. Do not stockpile these materials onsite.

AZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site
- Place hazardous waste containers under cover or in secondary containment Do not store hazardous chemicals, drums or bagged materials directly on the ground

EFFECTIVE: 03/01/19

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were

Inspect	Frequency (during normal business hours)	Inspection records must include [40 CFR 122.41]:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfainformation is available, record the cumulative raing measurement for those un-attended days (and this widetermine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	Identification of the measures inspected, Date and time of the inspection, Name of the person performing the inspection, Indication of whether the measures were operating properly, Description of maintenance needs for the measure, Corrective actions taken, and
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	 Identification of the discharge outfalls inspected, Date and time of the inspection, Name of the person performing the inspection, Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration Indication of visible sediment leaving the site, Actions taken to correct/prevent sedimentation, and Date of actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment the has left the site limits, 2. Date of actions taken, and 3. An explanation as to the actions taken to control futur releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidit from the construction activity, then a record of the following shall be made: 1. Evidence and actions taken to reduce sediment contributions, and 2. Records of the required reports to the appropriate

SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING . E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner

Item to Document	Documentation Requirements		
Each E&SC Measure has been installed	Initial and date each E&SC Measure on a copy		
does not significantly deviate from the	of the approved E&SC Plan or complete, date		
tions, dimensions and relative	and sign an inspection report that lists each		
ations shown on the approved E&SC	E&SC Measure shown on the approved E&SC		
•	Dlan This documentation is required upon		

elevations, dimensions and relative elevations shown on the approved E&SC Plan.	and sign an inspection report that lists each E&SC Measure shown on the approved E&S Plan. This documentation is required upon the initial installation of the E&SC Measure if the E&SC Measures are modified after initial installation.	
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase.	

- (c) Ground cover is located and Initial and date a copy of the approved E&SC installed in accordance with the Plan or complete, date and sign an inspection approved E&SC Plan. eport to indicate compliance with approved round cover specifications. (d) The maintenance and repai omplete, date and sign an inspection report requirements for all E&SC Measures
- have been performed. (e) Corrective actions have been Initial and date a copy of the approved E&SC taken to E&SC Measures. Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation

- In addition to the E&SC Plan documents above, the following items shall be kept on the site and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this
- (a) This general permit as well as the certificate of coverage, after it is received.
- (b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
- All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

SELE-INSPECTION, RECORDIFERING AND REPORTING

SECTION C: REPORTING . Occurrences that must be reported

Permittees shall report the following occurrences: (a) Visible sediment deposition in a stream or wetland.

(b) Oil spills if:

- They are 25 gallons or more.
- · They are less than 25 gallons but cannot be cleaned up within 24 hours, They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume)
- Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref. 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref. 40 CFR 302 4) or GS 143-215 85
- (b) Anticipated bypasses and unanticipated bypasses.
- Noncompliance with the conditions of this permit that may endanger health or the

. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800)

Reporting Timeframes (After Discovery) and Other Requirements (a) Visible deposition in a stream or wetland

- Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis If the stream is named on the NC 303(d) list as impaired for sedimentrelated causes, the permittee may be required to perform additional
- monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions (b) Oil spills and Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, release of hazardous volume and location of the spill or release.

substances pe Item 1(b)-(c) (c) Anticipated A report at least ten days before the date of the bypass, if bypasses [40 CFR possible. The report shall include an evaluation of the anticipated 22.41(m)(3)] quality and effect of the bypass.

Within 24 hours, an oral or electronic notification bypasses [40 CFR Within 7 calendar days, a report that includes an evaluation of 122.41(m)(3)] the quality and effect of the bypass. (e) Noncompliance Within 24 hours, an oral or electronic notification with the Within 7 calendar days, a report that contains a description of the conditions of this noncompliance, and its causes: the period of noncompliance. permit that may including exact dates and times, and if the noncompliance has not endanger health or been corrected, the anticipated time noncompliance is expected to

continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(1)(6). CFR 122.41(I)(7)] • Division staff may waive the requirement for a written report on a case-by-case basis.

EFFECTIVE: 03/01/19

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING



Division Regional Office per Part III, Section C, Item

(2)(a) of this permit of this permit.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement

NORTH CAROLINA Environmental Quality

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance



COĀRSE ĂGGREGATE



MIN. 12-1/2 GA.

MAINTENANCE

CONSTRUCTION SPECIFICATIONS:

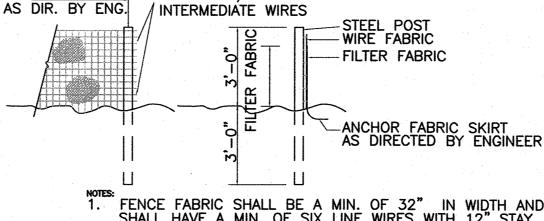
APPROACHING THE INLET.

RECOMMENDED.

GROUNDCOVER.

VARIES (6'-8' MIN.)

GRADING ELEVATIONS.



FENCE FABRIC SHALL BE A MIN. OF 32" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" STAY 2. FABRIC SHALL BE FOR EROSION CONTROL AND MIN. OF 36" IN WIDTH. FABRIC SHALL BE FASTENED ADEQUATELY TO THE WIRE FABRIC AS DIRECTED BY THE

9-GAUGE HARDWARE CLOTH

1/4 MESH OPENINGS)

INSPECT INLETS AT LEAST WEEKLY AND AFTER

EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS

FOR SUBSEQUENT RAINS. TAKE CARE NOT TO

UNIFORMLY GRADE A SHALLOW DEPRESSION

DAMAGE OR UNDERCUT THE WIRE MESH DURING

SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND

THE PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET

3. SURROUND THE POSTS WITH WIRE MESH HARDWARE

WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS

CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

REMOVE ACCUMULATED SEDIMENT, AND ESTABLISH FINAL

CLOTH. SECURE THE WIRE MESH TO THE STEEL POSTS AT

THE TOP, MIDDLE, AND BOTTOM. PLACINGA 2-FOOT FLAP OF

4. PLACE CLEAN GRAVEL (NCDOT #5 OR #57 STONE) ON A

6. COMPACT THE AREA PROPERLY AND STABILIZED IT WITH

HARDWARE CLOTH AND

GRAVEL INLET PROTECTION

2:1 SLOPE WITH A HEIGHT OF 16 INCHES AROUND THE

WIRE, AND SMOOTH TO AN EVEN GRADE. 5. ONCE THE

SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW

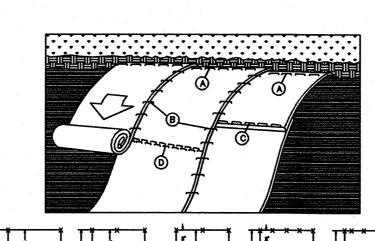
EACH SIGNIFICANT (3" OR GREATER) RAINFALL

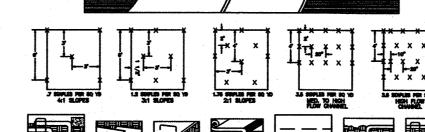
STEEL POSTS-

NCDOT #5 OR # 57 WASHED STONE

ENGINEER. STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER STEEL ANGLE TYPE.

TEMPORARY SILT FENCE





 PREPARE THE SOIL SURFACE INCLUDING RAKING, SEEDING AND FERTILIZING.
 BEGIN THE INSTALLATION PROCESS BY DIGGING A TRENCH 6" DEEP BY 6" WIDE AT THE TOP OF THE SLOPE. PLACE 12" OF BLANKET OVER THE UP-SLOPE PORTION OF THE TRENCH. SECURE THE BLANKET AT THE BOTTOM OF THE TRENCH WITH STAPLES PLACES 12" APART. BACKFILL AND COMPACT THE BOTTOM OF THE TRENCH WITH STAPLES
PLACES 12" APART. BACKFILL AND COMPACT THE TRENCH. APPLY SEED AND FOLD
REMAINING 12" OF BLANKET OVER SOIL, SECURE WITH A ROW OF STAPLES PLACE 12"
APART ACROSS THE WIDTH OF THE BLANKET. (SEE DIAGRAM A)

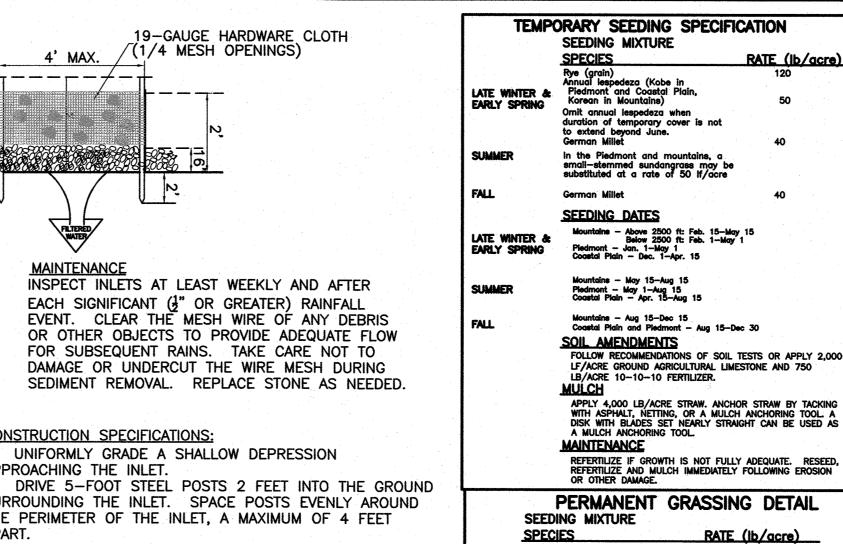
3. ROLL THE BLANKET VERTICALLY DOWN THE SLOPE. SECURE USING THE APPROPRIATE
STAPLE PATTERN SHOWN HERON SPECIFIED BY SLOPES.

4. PARALLEL BLANKETS MUST BE OVERLAPPED BY A MINIMUM 4" AND SECURED WITH A
BOWN OF STAPLES BLACES APPROVINATELY 2" ADAPT. (SEE DIAGRAM 6) ROW OF STAPLES PLACES APPROXIMATELY 3' APART. (SEE DIAGRAM B)

5. ADDITIONAL VERTICAL BLANKETS CAN BE JOINED USING A MINIMUM 4" OVERLAPPING (SHINGLE STYLE) IN THE DIRECTION OF WATER FLOW. CONNECT THE BLANKETS BY USING STAPLES APPROXIMATEY12" APART ACROSS THE WIDTH OF THE BLANKET. (SEE

6. FOR MAXIMUM PERFORMANCE A CHECK SLOT SHOULD BE PLACED AT 25'-40' INTERVALS. A 6" DEEP BY 6" WIDE TRENCH IS MADE. THE BLANKET IS PLACE T THE BOTTOM OF THE TRENCH AND COVERED WITH APPROXIMATELY 2" OF SOIL. THE BLANKET IS ROLLED OVER COMPACTED SOIL AND SECURED WITH STAPLES PLACES 4" APART. A SECOND ROW OF STAPLES SHOULD BE PLACES 4" BELOW IN A STAGGERED PATTERN. BACKFILL AND COMPACT THE TRENCH. APPLY SEED AND CONTINUE WITH GENERAL INSTALLATION. (SEE DIAGRAMS D & E)
7. THE END OF THE BLANKET MUST BE SECURED IN A 6" x 6" TRENCH WITH A ROW OF STAPLES PLACED AT 12" INTERVALS. (SEE DIAGRAM F)

EXCELSIOR MATTING INSTALLATION



PENSACOLA BAHAGRASS SERICEA LESPEDEZA COMMON BERMUDAGRAS GERMAN MILLET TALL FESCUE TALL FESCUE
(BLEND OF 2 OR 3 IMPROVED VARIETIES)
RYE (GRAIN)

SEEDING DATES

SPRING SUMMER APRIL 1 - JULY 15 SOIL AMENDMENTS

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000 b/gore GROUND AGRICULTURE LIMESTONE AND 500 b/gore 10-10-10 APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000-5,000 ib/acre ground agriculture limestone (use the lower rate on sandy soils) and 1,000 ib/acre 10-10-10 Fertilizer.

FERTILIZE ACCORDING TO SOIL TESTS OR APPLY 40 LF/ACRE NITROGEN IN JANUARY OR FEBRUARY, 40 LB IN SEPTEMBER AND 40 LB IN NOVEMBER, FROM A 12-4-8, 16-4-8, OR SIMILAR TURF FERTILIZER. AVOID FERTILIZER APPLICATIONS DURING WARM WEATHER, AS THIS INCREASES STAND LOSSES TO DISEASE. RESEED, FERTILIZE, AND MULCH DAMAGED AREAS IMMEDIATELY. MOW TO A HEIGHT OF 2.5-3.5 INCHES AS NEEDED.

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 HOW ZONES)		

NPDES GROUND STABILIZATION CRITERIA

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 2. DUMPING OF PAINT OR OTHER LIQUID BUILDING MATERIAL WASTES I STORM DRAINS IS PROHIBITED. 3. LITTER AND SANITARY WASTE—THE PERMITTEE SHALL CONTROL THE MANAGEMENT AND DISPOSAL OF LITTER AND SANITARY WASTE FROM 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. 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 LAND DISTURBING ACTIVITY. 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:

i. EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING ALITHOPITY PASSED ON WEATHER OR OTHER SITE SPECIFIC CONDITIONS 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

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 LAND-DISTURBING ACT.

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 REPORT. 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. 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 O THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO EXCAVATING.

10. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE PERSONNEL. 11. EXISTING SURVEYING PERFORMED BY XX AND SUPPLIED BY THE OWNER.
12. 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 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, WORKMANSHIP AND ALL FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS. ALL PAVEMENT, BASE AND SUBGRADE SHALL CONFORM TO NCDOT STANDARDS INCLUDING WORKMANSHIP, MATERIALS AND EQUIPMENT. APPROPRIATE BARRICADES, SIGNS, LIGHTS OR OTHER TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH NCDOT TO MAINTAIN SAFETY AND TWO WAY TRAFFIC 17. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES. 18. CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS III WITH RUBBER GASKETED JOINTS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. 19. USE WHITE LANE MARKING PAINT FOR ALL PAVEMENT MARKINGS. PAINT SHALL BE A CHLORINATED RUBBER ALKYD, FS TT-P-115, TYPE III, FACTORY MIXED, QUICK DRYING, NON BLEEDING. REFLECTIVE MATERIAL MAY BE ADDED AT OWNER'S OPTION FOR NIGHT REFLECTING 20. DUCTILE IRON SHALL BE CLASS 50. 21. CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS - AIR ENTRAINED. BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR. 23. SEE GEOTECHNICAL REPORT NO _____ FOR ADDITIONAL REQUIREMENTS. CONSTRUCTION SEQUENCE 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 GRAVELED CONSTRUCTION ENTRANCE, SILT FENCE, CHECK DAMS, ETC. INSTALL ALL SECONDARY EROSION CONTROL MEASURES AS SOON AS POSSIBLE AFTER BEGINNING

CONSTRUCTION

SITE WORK NOTES

THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIARIZED WITH EXISTING

CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS

CONDITIONS BOTH ON AND IMMEDIATELY ADJACENT TO THE SITE.

DURING CONSTRUCTION. REMOVE ACCUMULATION OF SILT AS REQUIRED TO ALLOW PROPER FUNCTIONING. RESTORE POND TO DESIGN LEVELS AT THE COMPLETION OF CONSTRUCTION. IF APPLICABLE, INSTALL DROP INLETS WITH INLET PROTECTION TO ACT AS SILT TRAPS DURING CONSTRUCTION. REMOVE ACCUMULATED SILT AS NEEDED TO PREVENT SILT FROM ENTERING STORM DRAIN PIPING 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. 1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND Peration following every runoff—producing rainfall

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 SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS. 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 WI

ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN.

CLEANED OUT AS STATED OR WHEN HALF FULL

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

IF APPLICABLE. CONSTRUCT PROPOSED RETENTION POND TO ACT AS A SEDIMENT BASIN

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 STEEL. 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. 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 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. 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 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.

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 DAYS.

FLOCCULATES WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

<u>BUILDING WASTE HANDLING</u>
1. NO PAINT OR LIQUID WASTES IN STREAMS OR STORM DRAINS. 2. DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE. 3. EARTHEN-MATERIALS STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS 4. CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS OF

2. SAME RAIN GAUGE AND INSPECTIONS AFTER 0.5" RAIN EVENT. . INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS". INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC 5. RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST.

6. ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS. 1. OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS LESS THAN 1

2. USE ONLY DWQ-APPROVED FLOCCULENTS. NPDES—SPECIFIC PLAN SHEETS NOTES

1. THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NCG010000.

. SAME WEEKLY INSPECTION REQUIREMENTS.

2. THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT 3. THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL . THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT A PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER THE COUNTY CODE.

REVISIONS

Description By

AROLINA NORTH MINGTON

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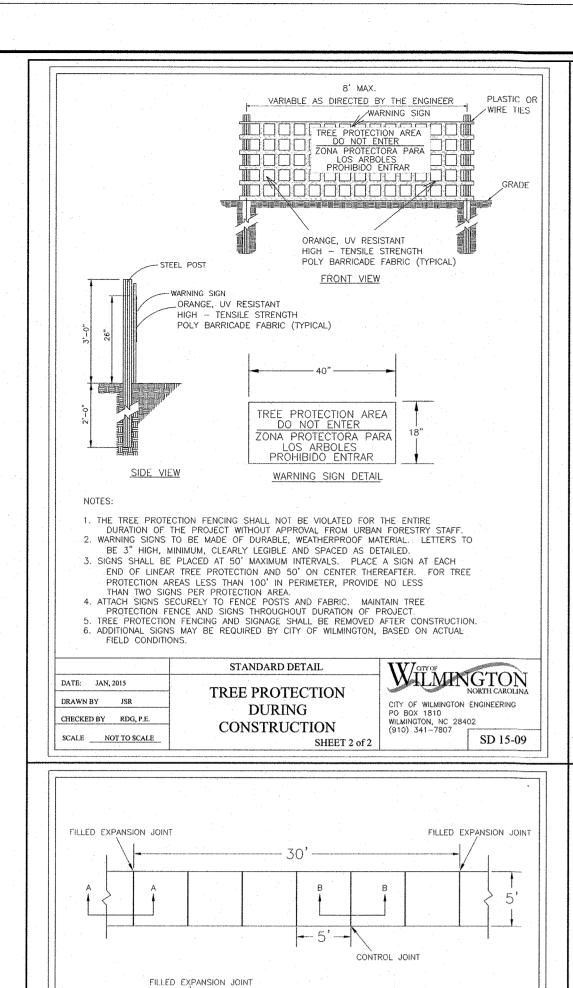
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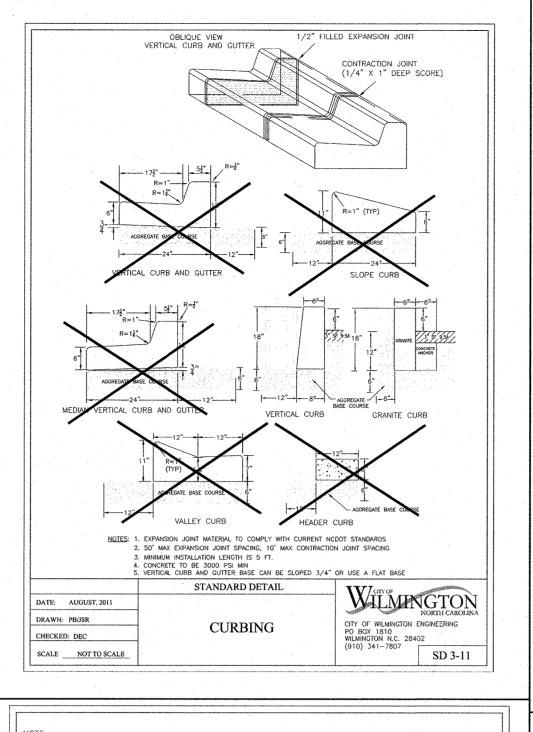
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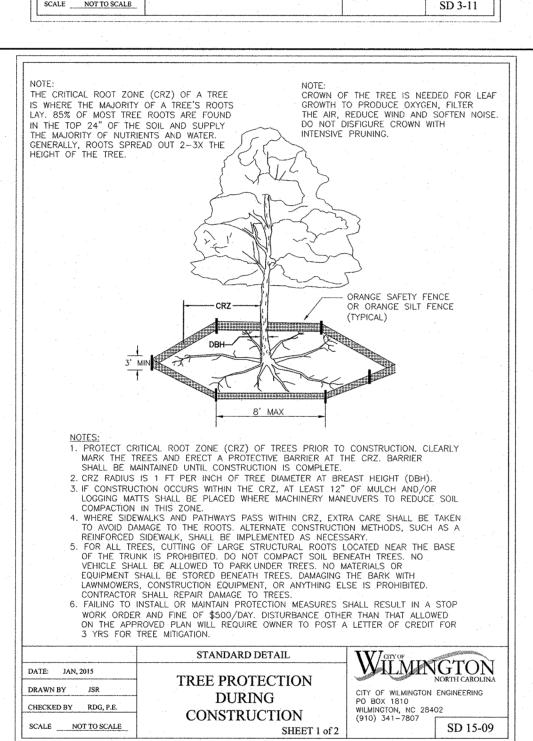
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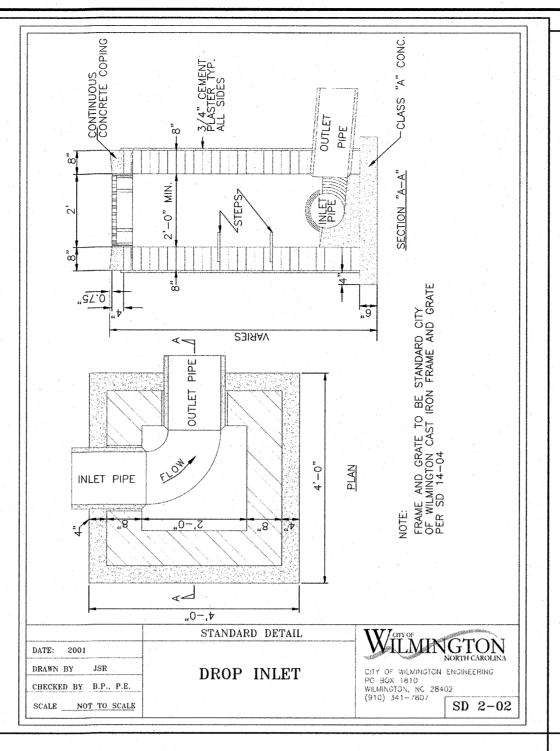
12-22-20 DRAWN BJH

SHEET 4 OF 6









-R7-8a SIGN

(NO ARROW(S))

AND THE NORTH

CAROLINA R7-8d

PENALTY R7-8d

EITHER THE COMBINATION OF

THE R7-8a AND R7-8d SIGNS OR THE R7-8e SIGN

PENALTY SIGN

MAXIMUM

PENALTY

\$ 250

R7-8a and R7-8d

R7-8P

Signage

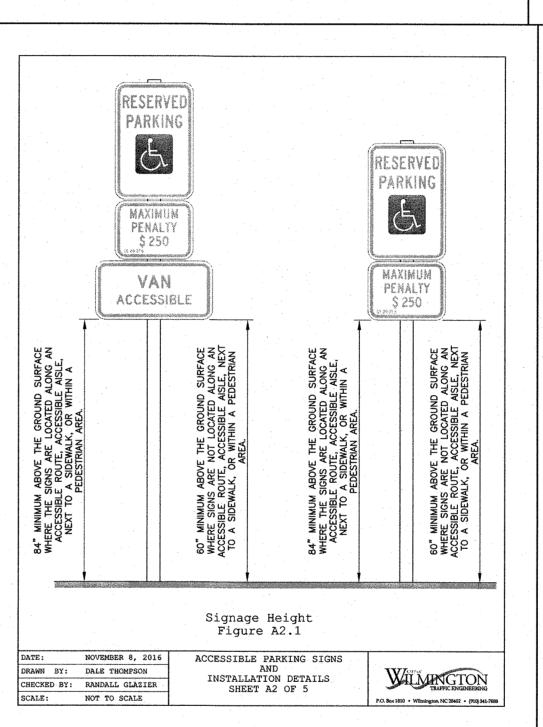
NOVEMBER 8, 2016

NOT TO SCALE

DRAWN BY: DALE THOMPSON

Signage

Figure A1.1



SCILS 90% MIN. COMPACTION ,

LOWER SIDE

12" MIN. STONE FOR PIPE >36"

- FOR BEDDING AND HAUNCH USE NATIVE GRANULAR, SELECT BACKFILL OR STONE

AS DIRECTED BY ENGINEER

WILMINGTON

NGINEERING OFFICE 12 OPERATIONS CENTER DRIVE //LMINGTON N.C. 28412 (910) 341-7807 SD 1-07

PAVEMENT

COMPACTED OR

1. CONTRACTOR SHALL ENSURE BOTTOM OF TRENCH IS SUITABLE FOR PIPE INSTALLATION AND DOES NOT REQUIRE FOUNDATION CONDITIONING STONE.

2. CONTRACTOR TO INSTALL BEDDING AND PIPE BEFORE INSTALLING HAUNCH

AND THEN OVERFILL. SOILS SHALL BE INSTALLED IN 6"-8" LIFTS AND COMPACTED TO MIN. % DENSITY AS DETERMINED BY THE STANDARD

3. WHERE IN PAVEMENT, CONTRACTOR SHALL ADHERE TO CITY STREET CUT

POLICY AND SD 1-04 OR SD 1-05 FOR ROAD AND PAVEMENT REBUILD.

4. SOIL SHALL BE COMPACTED BY A MECHANIZED TAMP (I.E. JUMPING JACK). HOWEVER, VIBRATORY ROLLERS > 18" WIDTH MAY BE USED FOR LARGER

5. THIS DETAIL IS REPRESENTATIVE AND PIPE TRENCH DESIGN IS SUBJECT TO

SPECIFIC SOIL CATEGORY (I, II, III), AND INSTALLATION TYPE (1, 2, 3, 4), AS DIRECTED BY THE ENGINEER AND SITE CONDITIONS.

EXCAVATIONS. THE PLATE TAMP METHOD SHALL NOT BE USED.

STANDARD DETAIL

PIPE TRENCH

TYPICAL

OUTER BEDDIN

NOTES:

DATE: MAY, 2013

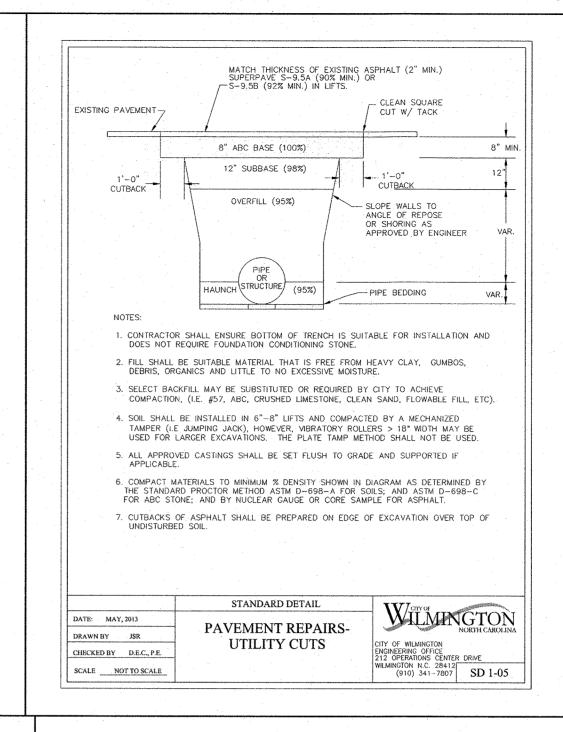
CHECKED: BDR, P.E.

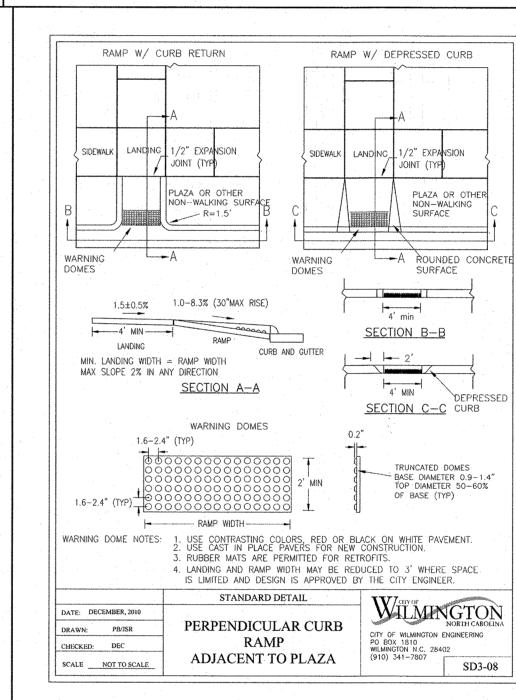
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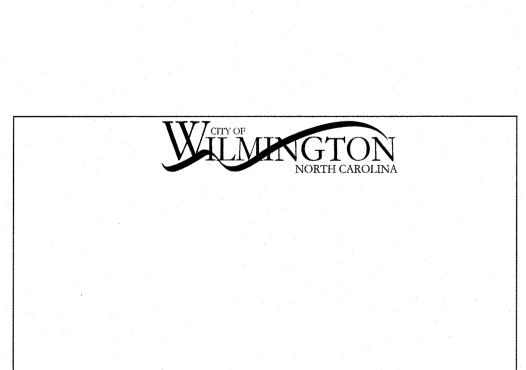
DRAWN: JSR

MIDDLE BEDDING PIPE WIDTH +24" UNCOMPACTED

PROCTOR ASTM D-698-A METHOD.







SECTION A-A

DATE: OCTOBER, 2010

SCALE NOT TO SCALE

DRAWN: PB/JSR

CHECKED: DEC

NOTES: 1. JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.

5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL

7. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12" 8. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1

6. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS

SANITARY SEWER CLEAN—OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.

CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" — 3,000 PSI.

9. MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%, MAX LONGITUDINAL SLOPE IS 8.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

STANDARD DETAIL

SIDEWALK

3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.

SECTION B-B

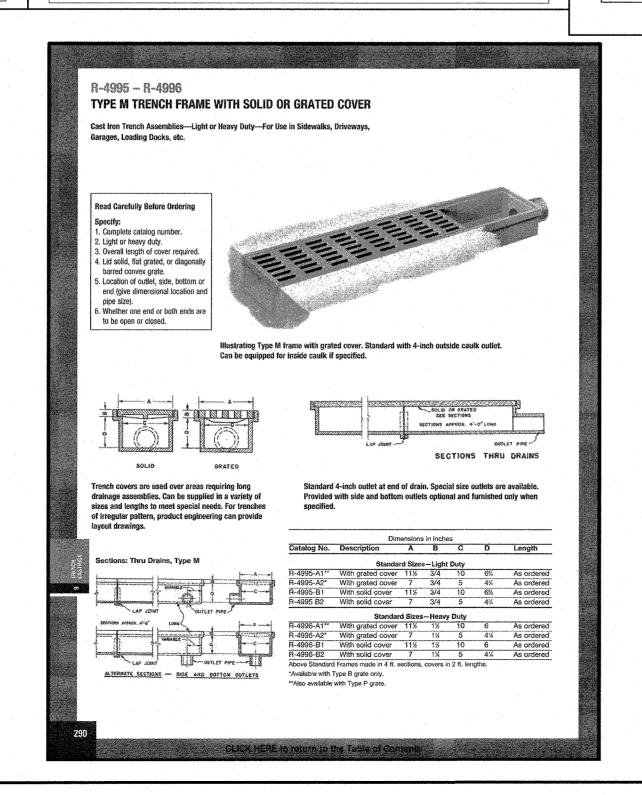
WILMINGTON

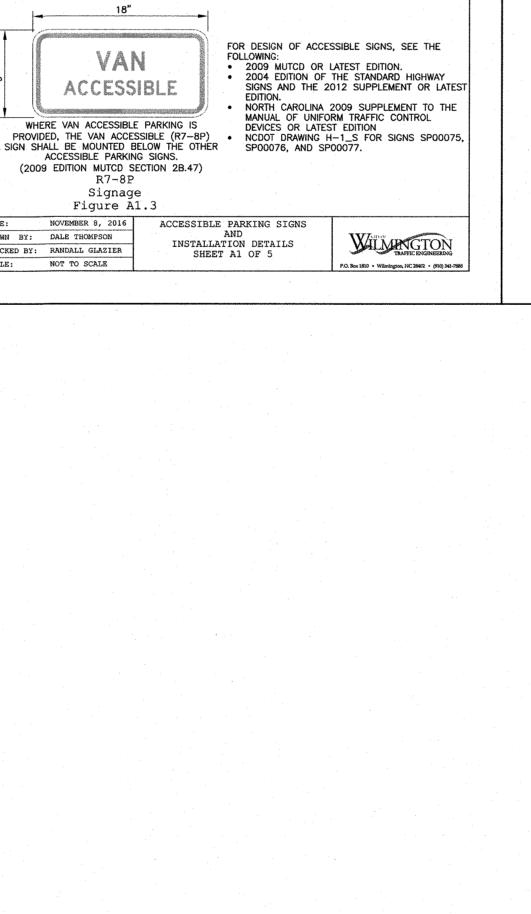
SD 3-10

CITY OF WILMINGTON ENGINEERING

PO BOX 1810 WILMINGTON N.C. 28402 (910) 341-7807

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.





MAXIMUM

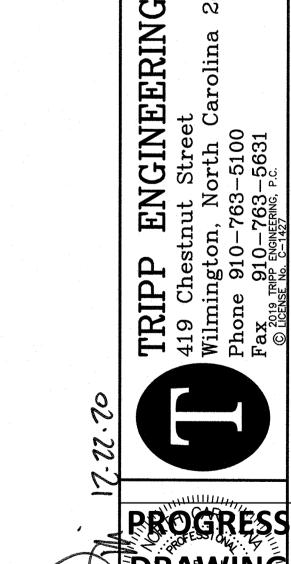
PENALTY

\$ 250

R7-8e

Signage

Figure A1.2



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DO NOT USE FOI TEONSAPHUETION

REVISIONS

CAROLIN

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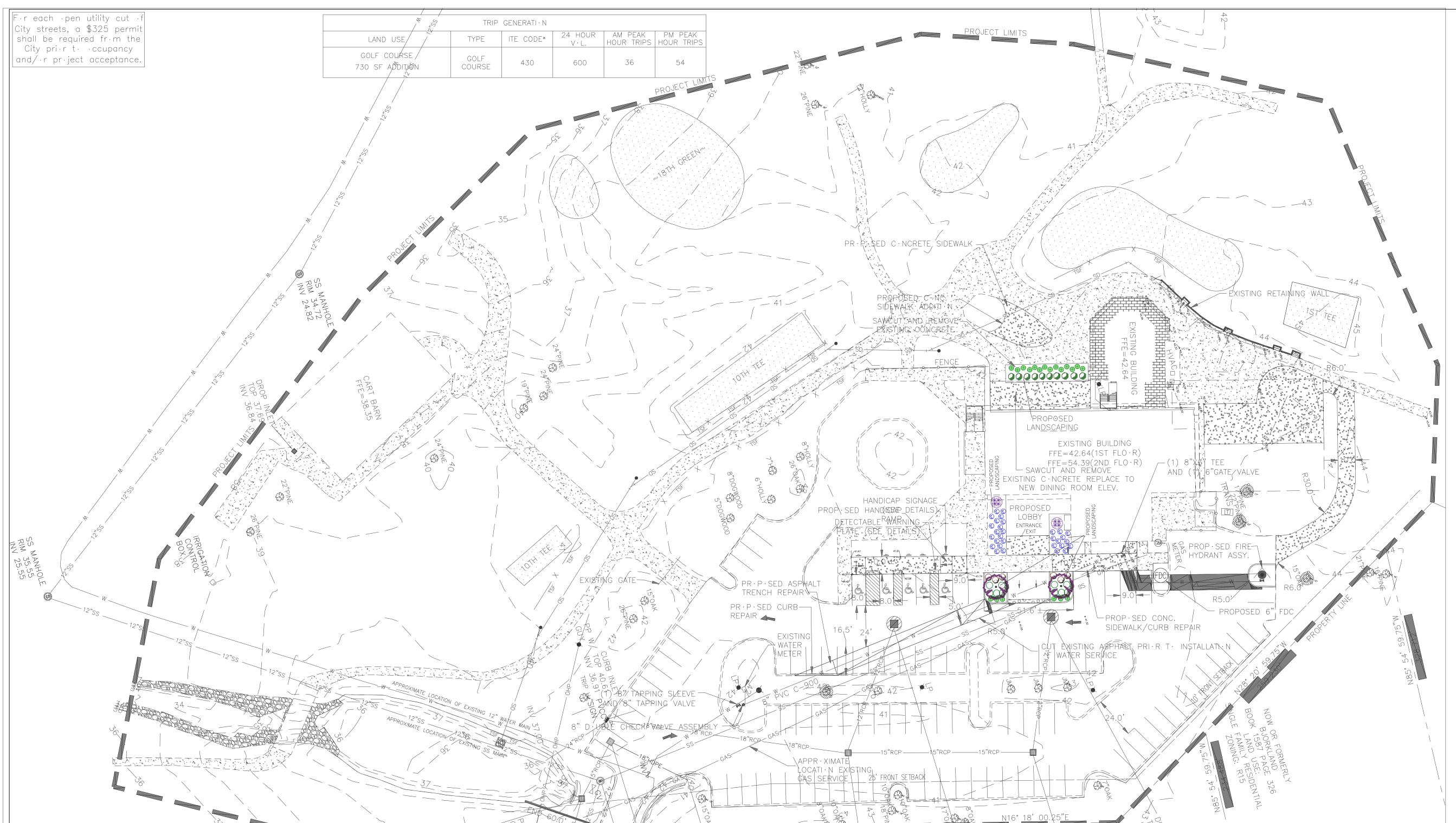
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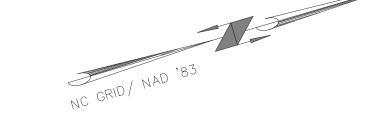
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te Description

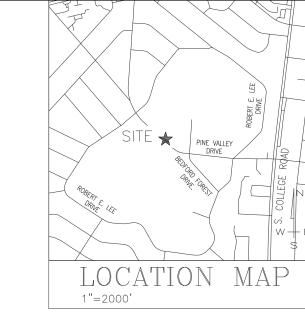
12-22-20 DRAWN BJH

SHEET 5 OF 6



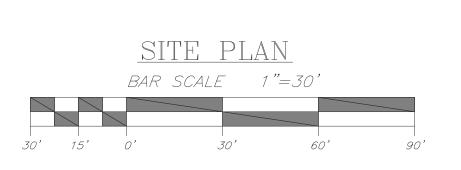


SITE DATA: PINE VALLEY COUNTRY CLUB IN PROPERTY OWNER 500 PINE VALLEY DR PROJECT ADDRESS PIN NUMBERS R06606-001-018-000 AREA NOT IN A FEMA 100-YEAR FLOOD ZONE R-15-RESIDENTIAL DISTRICT Z·NING DISTRICT WATERSHED PROTECTION AREA CAMA LAND USE PROJECT AREA 269,222.8 SF (6.18 AC) DISTURBED AREA 16,792 SF (0.39 AC.) BUILDING USE C · MMERCIAL BUILDING TYPE CONSTRUCTION TYPE ALTERATION LEVEL III ADDITION CLASSIFICATION FR · NT: 25' REQUIRED SETBACKS SIDE: 10' REAR: 20' FRONT: 166' PROPOSED SETBACKS SIDE: 136' REAR: 405'± EXISTING BUILDING AREA (FIRST FL ·· R GR · SS) 8,506 SF PROP-SED BUILDING AREA WITH ADDITION 9,221 SF (FIRST FL · · R GR · SS) BUILDING LOT C·VERAGE 9,221/5,698,·84) NUMBER OF PROPOSED BUILDING ADDITIONS 19'-9" BUILDING HEIGHT NUMBER OF STORIES S:UARE FEET PER FLOOR 715 SF EXISTING IMPERVIOUS 13,102 SF BUILDING 29,467 SF CONCRETE SURFACE 43,715 SF ASPHALT SURFACE PAVER SURFACE 1,401 SF 87,685 SF TOTAL IMPERVIOUS EXISTING IMPERVIOUS TO BE REMOVED CONCRETE SURFACE 628 SF ASPHALT SURFACE 6·9 SF 1,237 SF TOTAL IMPERVIOUS PROPOSED IMPERVIOUS 730 SF BUILDING CONCRETE 4,143 SF 4,873 SF TOTAL IMPERVI-US PARKING REQUIRED: 3 SPACES/PER HOLE TOTAL PARKING PROVIDED: GOLF CART PARKING





	Approved Construction Plan	
	<u>Name</u>	<u>Date</u>
Planning _.		
Traffic		
Fire		



The areas within the triangular sight distance shall be maintained free of all obstructions between 30" and 10'.

PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY,
TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED
TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS,
MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION
FENCING.

All planted and retained living material required to meet the provisions of the City of Wilmington Land Development Code, shall be perpetually protected and maintained to professionally accepted standards by joint and several responsibility of the owner, tenant and respective agents of the property on which the material is located.

LEGEN	D			
COMMON NAME	QTY	SIZE	HEIGHT	
SHRUB, EVERGREEN BROADLEAF				
CAMELLIA SASANQUA KANJIRO	2	7 GAL.	3-4' HT.	
DISTYLIUM BLUE CASCADE	10	3 GA L.	12" HT.	
O HOLLY, YAUPON, DWARF	10	3 GAL.	12" HT.	
MAHONIA SOFT CARESS	30	3 GAL .	12" HT.	
NANDINA GULFSTREAM	6	3 GAL.	12" HT.	
	20	3 GAL .	N/A	NOT REQ'D.
TREE, DECIDUOUS				
TRIDENT MAPLE	2	2" CAL.	8' HT.	1



JIM@FREEMANLANDSCAPE.COM 910-279-5757

Revision #: 1

Date: 2/17/2021

Scale:

1" = 30'

Landscape Plan:

Pine Valley Country Club

Landscape Design by: Jim Freeman - NCLC# 0071 Freeman Landscape, Inc.

REQ'D. LANDSCAPE:

FOUNDATION PLANTING: 48.33 HT. × 19.75 L × .12 = 115 9F REQ'D. PROV'D. - 378 9F & 294 9F