

aplementing the details and specifications on this plan sheet will result in the construction 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 may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

| Re Site Area Description | | Stabilize within this many calendar days after ceasing land disturbance | Timeframe variations |
|-----------------------------|--|--|---|
| (a) | Perimeter dikes, swales, ditches, and perimeter slopes | 7 | None |
| (b) | High Quality Water (HQW) Zones | 7 | None |
| (c) | Slopes steeper than 3:1 | 7 | If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed |
| | | | -7 days for slopes greater than 50' in length and with slopes steeper than 4:1 |
| (d) | Slopes 3:1 to 4:1 | 14 | -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed |
| (e) | Areas with slopes flatter than 4:1 | 14 | -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zon -10 days for Falls Lake Watershed unles there is zero slope |

practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

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 grass seed covered with straw or Permanent grass seed covered with straw or

- other mulches and tackifiers Hydroseeding · Rolled erosion control products with or without temporary grass seed Appropriately applied straw or other mulch
- Geotextile fabrics such as permanent soil reinforcement matting Shrubs or other permanent plantings covered · Plastic sheeting with mulch Uniform and evenly distributed ground cover
- Structural methods such as concrete, asphalt or retaining walls Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- 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
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

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

ITTER, BUILDING MATERIAL AND LAND CLEARING WASTI

- Never bury or burn waste. Place litter and debris in approved waste containers. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- 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 runoff 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 or
- provide secondary containment. 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. Clean up immediately if
- containers overflow.
- 8. Dispose waste off-site at an approved disposal facility. 9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

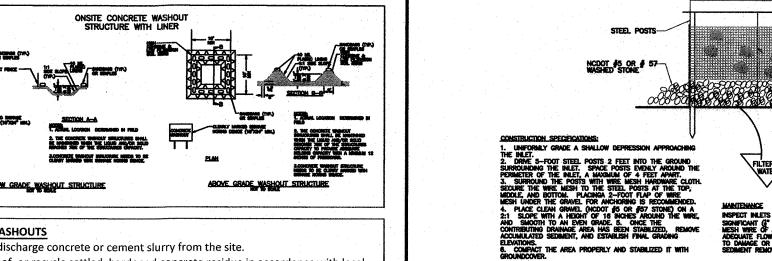
- Do not dump paint and other liquid waste into storm drains, streams or wetlands. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area
- 4. Containment must be labeled,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

- 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 available.
- 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 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

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment



CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site. Dispose of, or recycle settled, hardened concrete residue in accordance with local
- 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 an 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. 5. 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 be pumped out and removed from project 5. 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.

HERBICIDES, 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.

- Do not store hazardous chemicals, drums or bagged materials directly on the ground

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/1

SELF-INSPECTION, RECORDKEEPING AND REPORTING

sufficient to restrain erosion

SECTION A: SELF-INSPECTION

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 equal to or 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 delayed shall be noted in the Inspection Record.

| Inspect | Frequency (during normal business hours) | Inspection records must include: |
|---|--|--|
| (1) Rain gauge | Daily | Daily rainfall amounts. |
| maintained in | | If no daily rain gauge observations are made during weeker |
| good working | 1 | holiday periods, and no individual-day rainfall information |
| order | | available, record the cumulative rain measurement for those |
| | | attended days (and this will determine if a site inspection |
| | | needed). Days on which no rainfall occurred shall be recorded |
| | | "zero." The permittee may use another rain-monitoring d |
| | | approved by the Division. |
| (2) E&SC | At least once per | Identification of the measures inspected, |
| Measures | 7 calendar days | 2. Date and time of the inspection, |
| | and within 24 | 3. Name of the person performing the inspection, |
| | hours of a rain | Indication of whether the measures were operating |
| | event > 1.0 inch in | properly, |
| | 24 hours | 5. Description of maintenance needs for the measure, |
| | 2+ nours | Description, evidence, and date of corrective actions taken. |
| (3) Stormwater | At least once per | Description, evidence, and date of corrective actions taken. Identification of the discharge outfalls inspected, |
| • | • | |
| discharge | 7 calendar days and within 24 | 2. Date and time of the inspection, |
| outfalls (SDOs) | | 3. Name of the person performing the inspection, |
| | hours of a rain | 4. Evidence of indicators of stormwater pollution such as oil |
| | event ≥ 1.0 inch in | sheen, floating or suspended solids or discoloration, |
| | 24 hours | 5. Indication of visible sediment leaving the site, |
| | | 6. Description, evidence, and date of corrective actions taken. |
| (4) Perimeter of | At least once per | If visible sedimentation is found outside site limits, then a reco |
| site | 7 calendar days | of the following shall be made: |
| | and within 24 | 1. Actions taken to clean up or stabilize the sediment that has |
| 1. | hours of a rain | the site limits, |
| | event ≥ 1.0 inch in | 2. Description, evidence, and date of corrective actions taken, |
| | 24 hours | 3. An explanation as to the actions taken to control future |
| | | releases. |
| (5) Streams or | At least once per | If the stream or wetland has increased visible sedimentation o |
| wetlands onsite | 7 calendar days | stream has visible increased turbidity from the construction |
| or offsite | and within 24 | activity, then a record of the following shall be made: |
| (where | hours of a rain | 1. Description, evidence and date of corrective actions taken, |
| accessible) | event \geq 1.0 inch in | 2. Records of the required reports to the appropriate Division |
| | 24 hours | Regional Office per Part III, Section C, Item (2)(a) of this per |
| (6) Ground | After each phase | The phase of grading (installation of perimeter E&SC |
| stabilization | of grading | measures, clearing and grubbing, installation of storm |
| measures | | drainage facilities, completion of all land-disturbing |
| | | activity, construction or redevelopment, permanent |
| | | ground cover). |
| | | Documentation that the required ground stabilization |
| | | measures have been provided within the required |
| | | timeframe or an assurance that they will be provided as |
| | | soon as possible. |

SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING L. E&SC Plan Documentatio

Item to Document

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 kept on site and available for inspection at all times during normal business hours.

Documentation Requirements

| (a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan. | Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or 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 installed in accordance with the approved E&SC plan. | Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications. |
| (d) The maintenance and repair requirements for all E&SC measures have been performed. | Complete, date and sign an inspection report. |
| (e) Corrective actions have been taken to E&SC measures. | Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the |

2. Additional Documentation to be Kept on Site

3. Documentation to be Retained for Three Years

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

corrective action.

- (a) This General Permit as well as the Certificate of Coverage, after it is received.
- (b) Records of inspections made during the previous twelve months. 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 e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items, (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
- (c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems, (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and (f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.
 - NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING 1. Occurrences that Must be Reported

- Permittees shall report the following occurrences: (a) Visible sediment deposition in a stream or wetland.
- 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).
- (c) 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 G.S. 143-215.85
- (d) Anticipated bypasses and unanticipated bypasses
- (e) Noncompliance with the conditions of this permit that may endanger health or the

2. Reporting Timeframes and Other Requirements

environment[40

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 Department's Environmental Emergency Center personnel at (800)

Reporting Timeframes (After Discovery) and Other Requirements

continue; and steps taken or planned to reduce, eliminate, and

prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6).

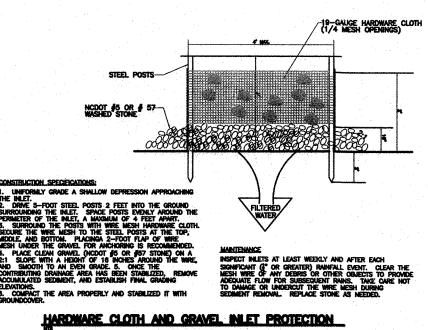
Division staff may waive the requirement for a written report on a

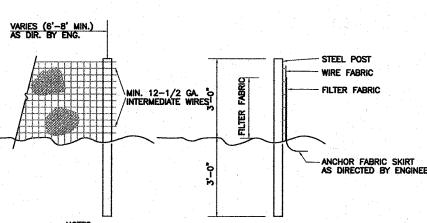
| (a) Visible sediment | Within 24 hours, an oral or electronic notification. |
|----------------------|--|
| deposition in a | Within 7 calendar days, a report that contains a description of the |
| stream or wetland | sediment and actions taken to address the cause of the deposition. |
| | Division 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 sediment- |
| | related 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 |
| release of | shall include information about the date, time, nature, volume and |
| hazardous | location of the spill or release. |
| substances per Item | |
| 1(b)-(c) above | |
| (c) Anticipated | A report at least ten days before the date of the bypass, if possible. |
| bypasses [40 CFR | The report shall include an evaluation of the anticipated quality and |
| 122.41(m)(3)] | effect of the bypass. |
| (d) Unanticipated | Within 24 hours, an oral or electronic notification. |
| bypasses [40 CFR | Within 7 calendar days, a report that includes an evaluation of the |
| 122.41(m)(3)] | quality and effect of the bypass. |
| (e) Noncompliance | Within 24 hours, an oral or electronic notification. |
| with the conditions | Within 7 calendar days, a report that contains a description of the |
| of this permit that | noncompliance, and its causes; the period of noncompliance, |
| may endanger | including exact dates and times, and if the noncompliance has not |
| health or the | been corrected, the anticipated time noncompliance is expected to |
| | been corrected, the difference time holled hipitatice is expected to |

For each open utility cut

City streets, a \$325 shall be required from the City prior to occupancy and/or project

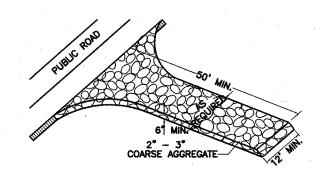
acceptance.



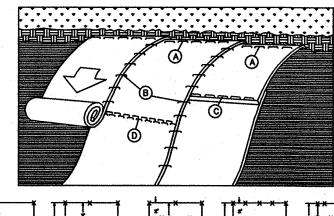


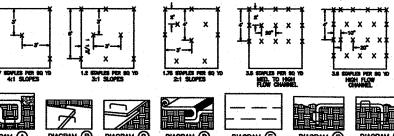
- 1. FENCE FABRIC SHALL BE A MIN. OF 32" IN WIDTH ANI SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" STAY

TEMPORARY SILT FENCE



TEMPORARY GRAVELLED CONSTRUCTION ENTRANCE





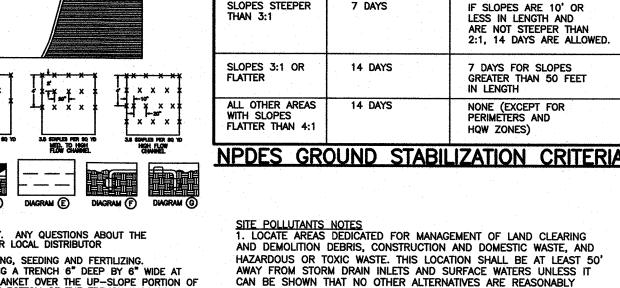
BASIC INSTALLATION GUIDELINES
THESE GUIDELINES ARE RECOMMENDATIONS ONLY. ANY QUESTIONS ABOUT THE INSTALLATION SHOULD BE CONFIRMED WITH YOUR LOCAL DISTRIBUTOR 1. PREPARE THE SOIL SURFACE INCLUDING RAKING, SEEDING AND FERTILIZING.
2. BEGIN THE INSTALLATION PROCESS BY DIGGING A TRENCH 6" DEEP BY 6" WIDE 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 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 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

EXCELSIOR MATTING INSTALLATION



SWALES, DITCHES AND SLOPES

SLOPES STEEPER

WATER (HQW) ZONES

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 UNIFSS IT CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY . 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

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 VATERS, WETLANDS OR BUFFERS. NO CONCRETE OR CEMENT SLURRY 3. ANY HARDENED CONCRETE RESIDUE WILL BE DISPOSED OF, OR RECYCLED ON SITE, IN ACCORDANCE WITH LOCAL AND STATE SOLID . 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. CONDITIONS-IN MEETING THE STABILIZATION REQUIREMENTS ABOVE, THE FOLLOWING CONDITIONS OR EXEMPTIONS SHALL APPLY:

i. 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 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 -DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS 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.

SITE WORK NOTES TEMPORARY SEEDING SPECIFICATION THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIARIZED WITH EXISTING CONDITIONS BOTH ON AND IMMEDIATELY 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.

SEEDING MIXTURE

Piedmont and Coastal Plain, Korean in Mountains)

Ornit annual lespedeza when

in the Piedmont and mountains,

amall—stemmed sundangrass may bubstituted at a rate of 50 lf/acre

Coastal Plain and Piedmont — Aug 15—Dec 30

ACRE 10-10-10 FERTILIZER.

SEEDING NOTES (SPRING-SUMMER)

LF/ACRE GROUND AGRICULTURAL LIMESTONE AND 750

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 IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

PERMANENT GRASSING DETAIL

WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA.
 USE COMMON BERUDAGRASS ONLY ON ISOLATED SITES WHERE IT CANNOT BECOME A PEST. BERMUDAGRASS MAY BE REPLACED WITH 5 Ib/Ocro CENTIPEDEGRASS.

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000 bb/dcre GROUND AGRICULTURE LIMESTONE AND 500 bb/dcre 10-10-10

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, 18-4-8, 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.

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY

German Millet

German Millet

SEEDING DATES

MAINTENANCE

SEEDING MIXTURE

SEEDING DATES

SOIL AMENDMENTS

SPECIES

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 OF 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 EXISTING SURVEYING PERFORMED BY MICHAEL UNDERWOOD AND ASSOCIATES, P.C. 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. 3. 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 6. 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. . 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. 2539-22, DATED APRIL 20, 2022, BY RFTS SOIL ENGINEERING AND TESTING SERVICES FOR ADDITIONAL REQUIREMENTS.

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 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.

IF APPLICABLE, CONSTRUCT PROPOSED RETENTION POND TO ACT AS A SEDIMENT BASIN 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 NTERING 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. MAINTENANCE PLAN

CONSTRUCTION SEQUENCE

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. 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 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 SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. HE 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 NSPECTED 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.

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 REASONABLE ALTERNATIVES AVAILABLE. REASONABLE ALTERNATIVES AVAILABLE.

4. CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS ON TORAWING

. SAME WEEKLY INSPECTION REQUIREMENTS. 2. SAME RAIN GAUGE AND INSPECTIONS AFTER 0.5" RAIN EVENT. 3. INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS". 4. INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIF EXEMPTION IS APPROVED. RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST.

6. ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS. SEDIMENT BASINS
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. NCGO10000 ONLY

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 STORMWATER PERMIT NCG010000 4. 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.

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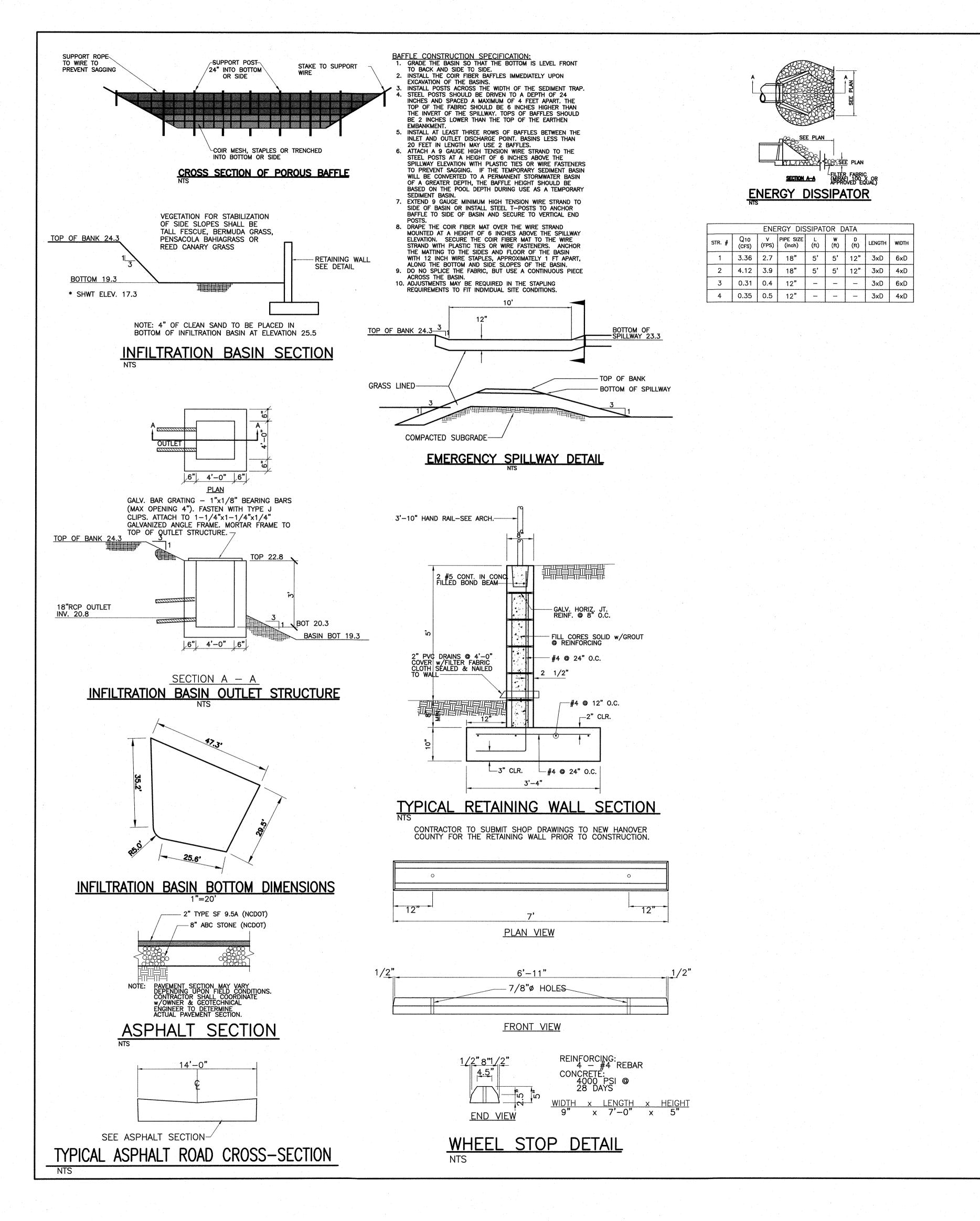
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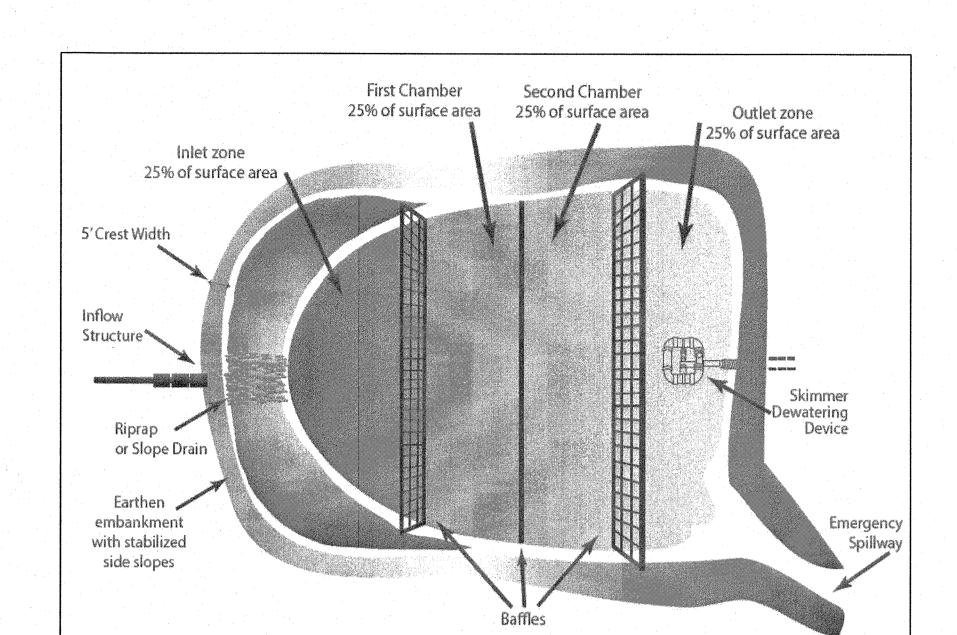
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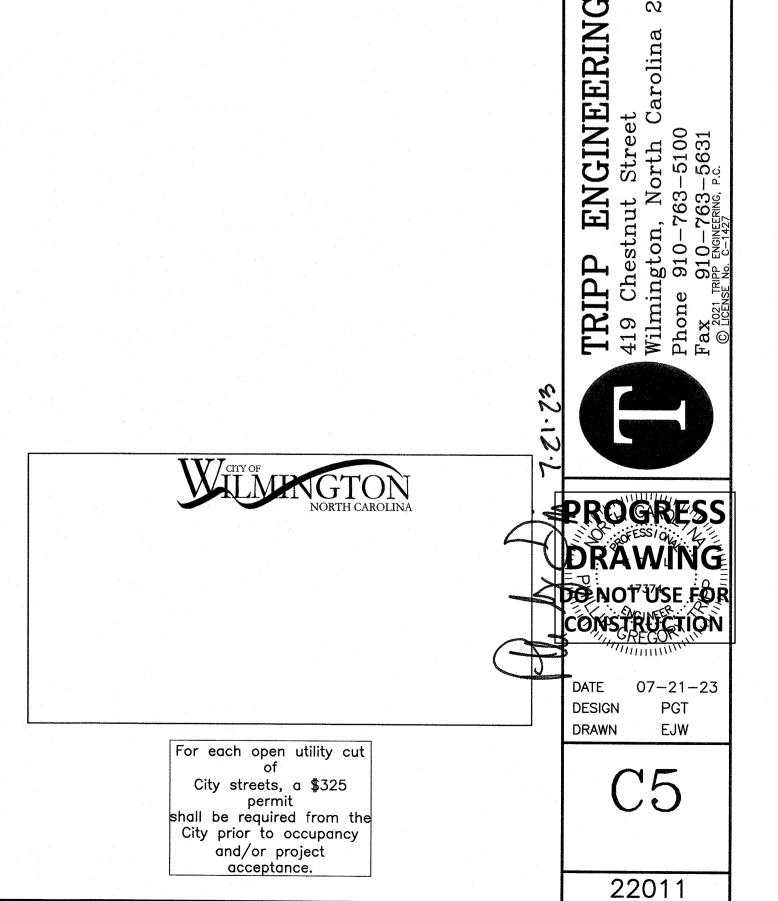
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BAFFLE SPACING DETAIL



REVISIONS

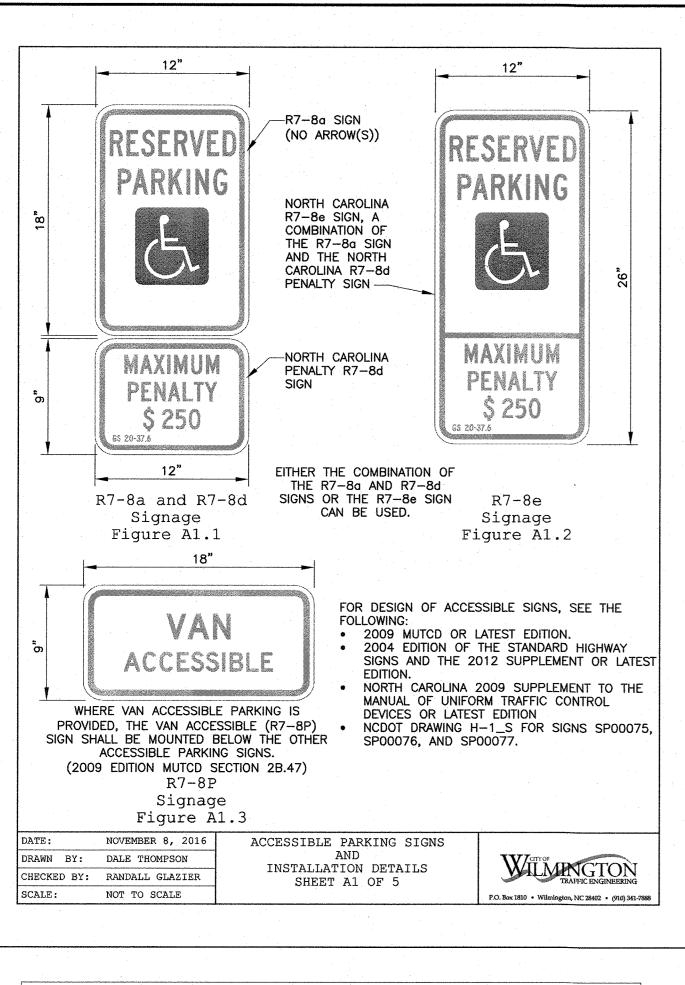
RK TOWNHOMES
PARK ROAD
NORTH CAROLINA

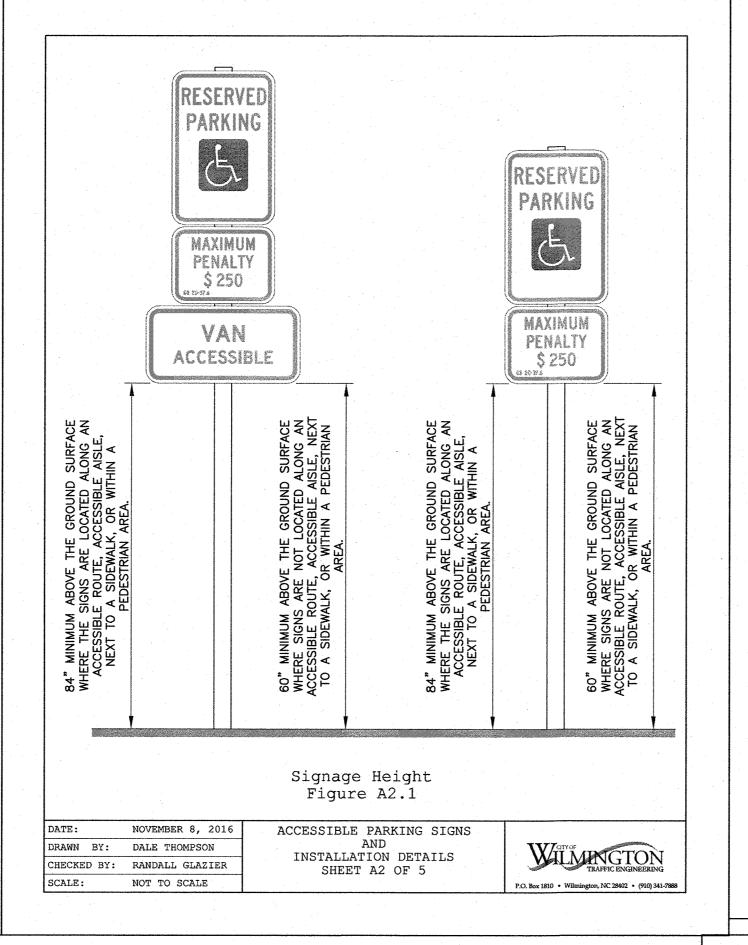
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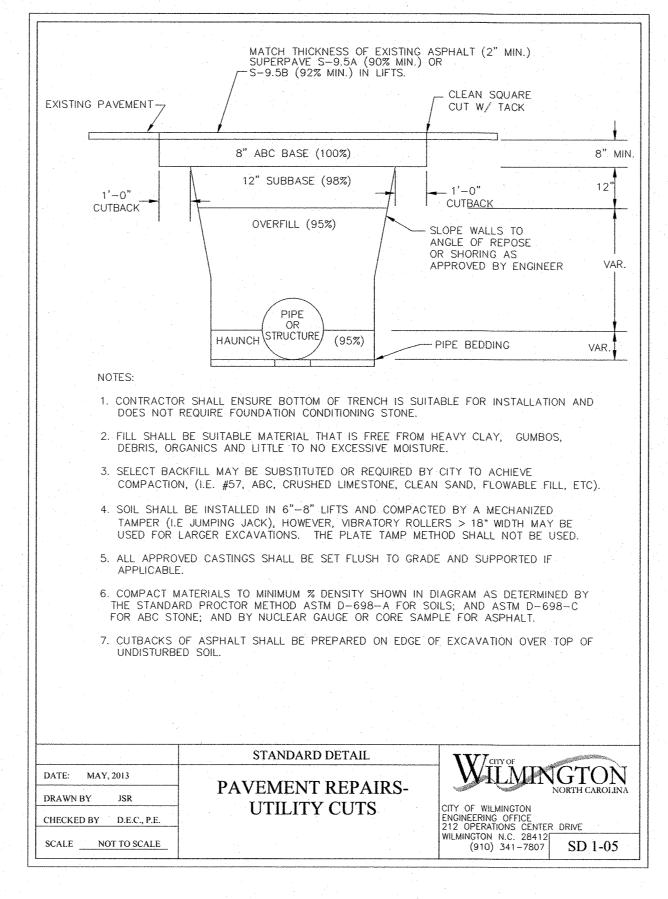
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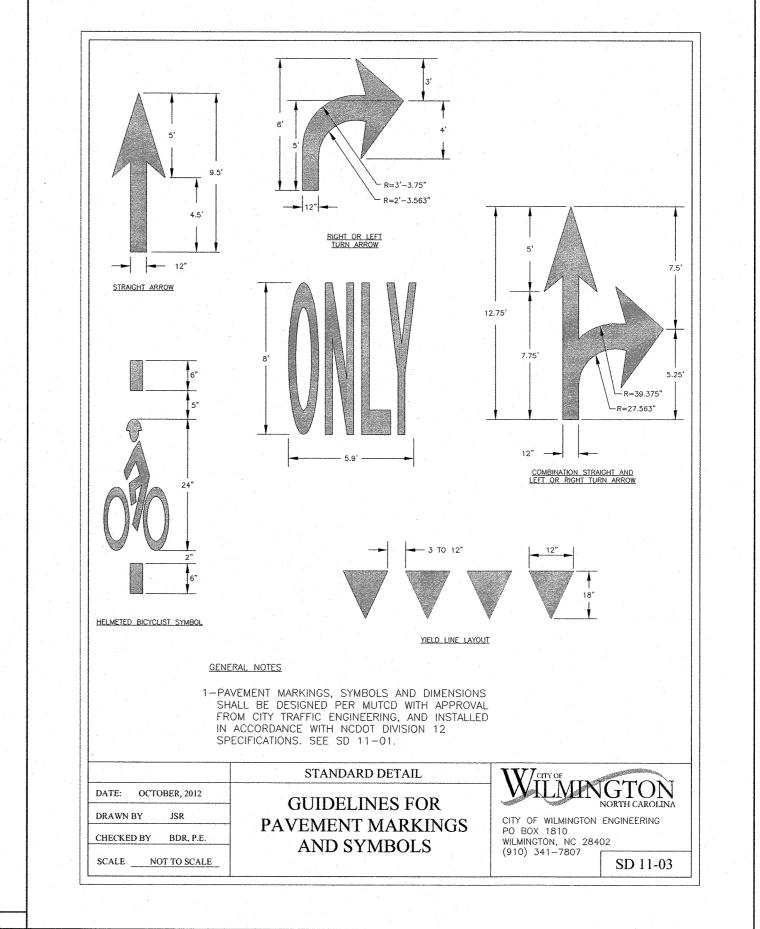
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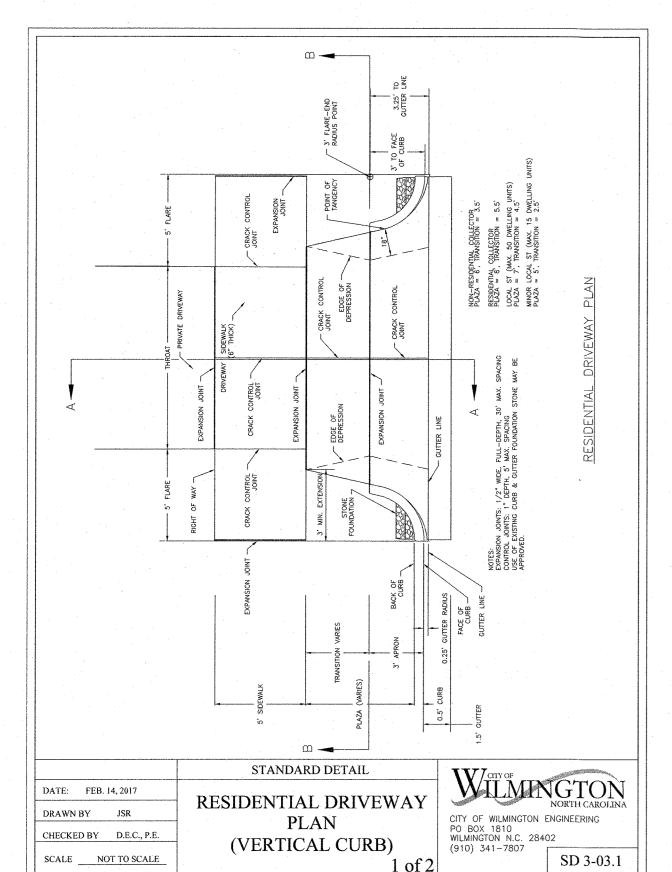
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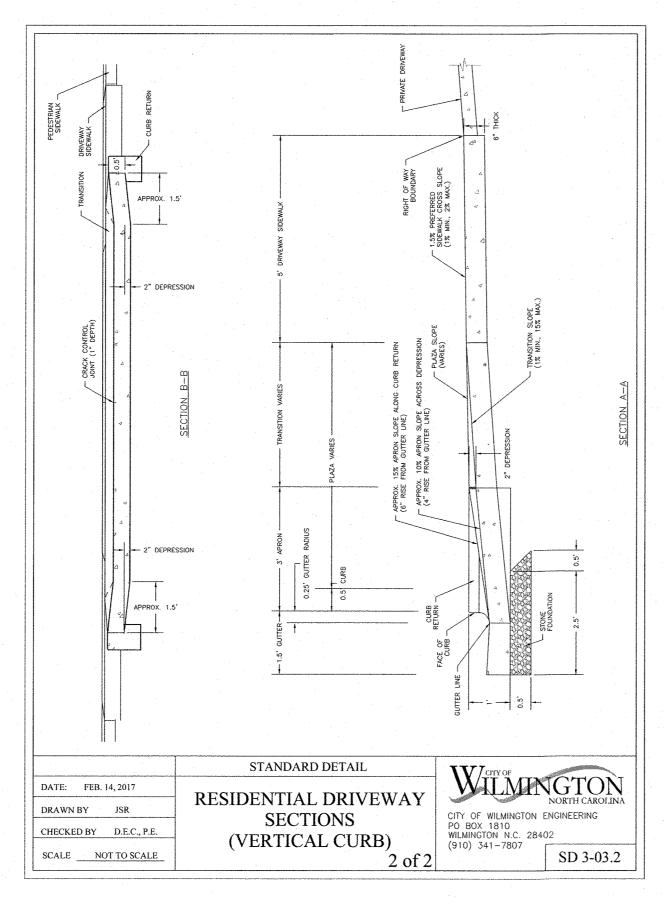


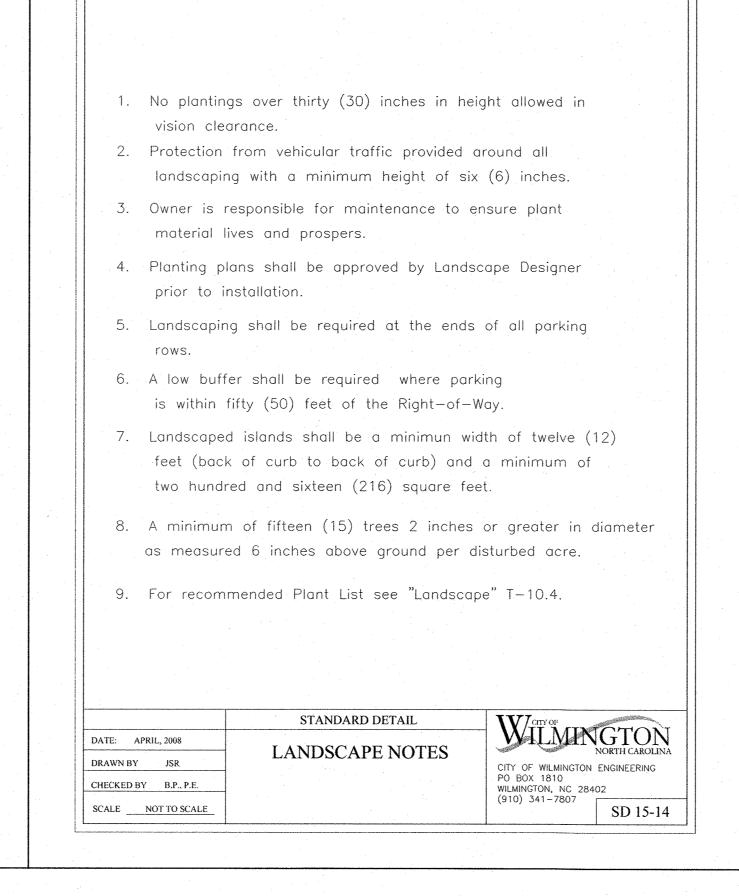


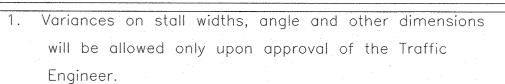












- 2. Wheel stops shall be required three (3) feet from the end of parking stall when using eighteen (18) feet
- 3. Curbing, crossties, utility poles, etc., can be used as wheel stops. (Must be anchored down)
- 4. All medians shall be a minimum of six (6) feet wide.
- 5. Parking bays which terminate at a circulation way shall provide for a minimum turning radius of twenty—five (25) feet, as measured from the edge of the travel portion.
- 6. All parking stall markings and lane arrows shall be white.
- 7. All other pavement markings, signs or other traffic control devices shall conform to the latest edition and/or interpretation of the Manual on Uniform Traffic Control Devices (MUTCD).
- 8. No obstructions will be allowed adjacent to a parking stall which would prevent safe ingress and egress from a parked vehicle.
- 9. Parking in fire lanes and in non-residential driveways shall be prevented by standard signs and as needed by portable barricades.

 STANDARD DETAIL

DATE: 2001

DRAWN BY JSR/CMR

CHECKED BY B.P., P.E.

SCALE NOT TO SCALE

PARKING FACILITY DESIGN NOTES CITY OF WILMINGTON ENGINEERING
PO BOX 1810
WILMINGTON, NC 28402
(910) 341-7807
SD 15-13

WILMINGTON NORTH CAROLIN

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

PROGRESS
DRAWING
DO NOT USE FOR
CONSTRUCTION

DATE 07-24-23
DESIGN PGT
DRAWN EJW

REVISIONS

Description | E

OWNHOMES

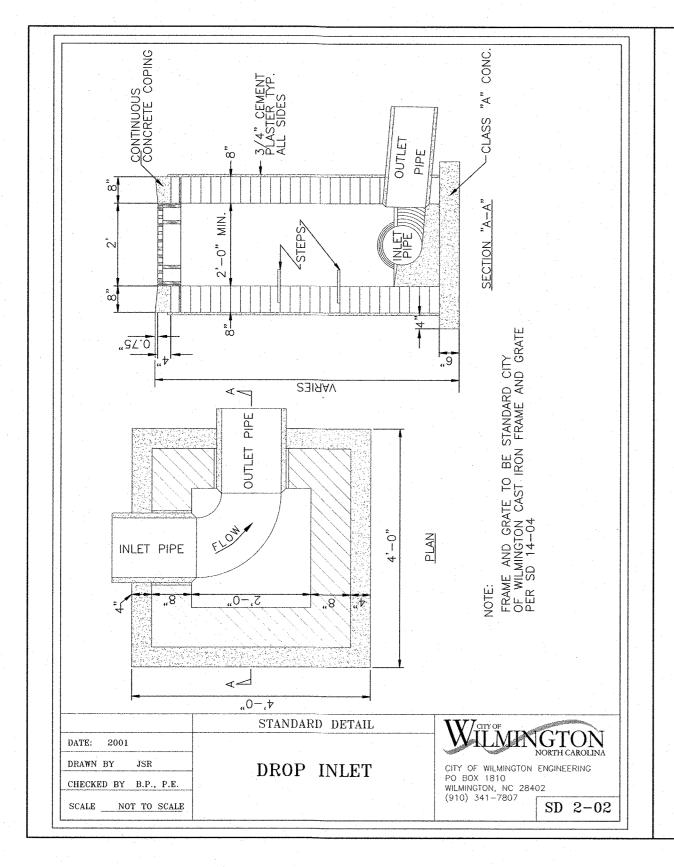
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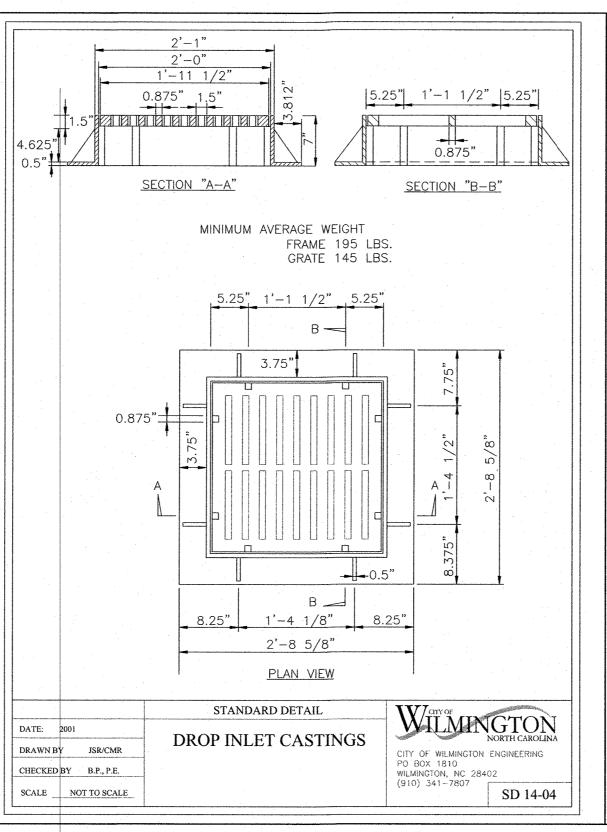
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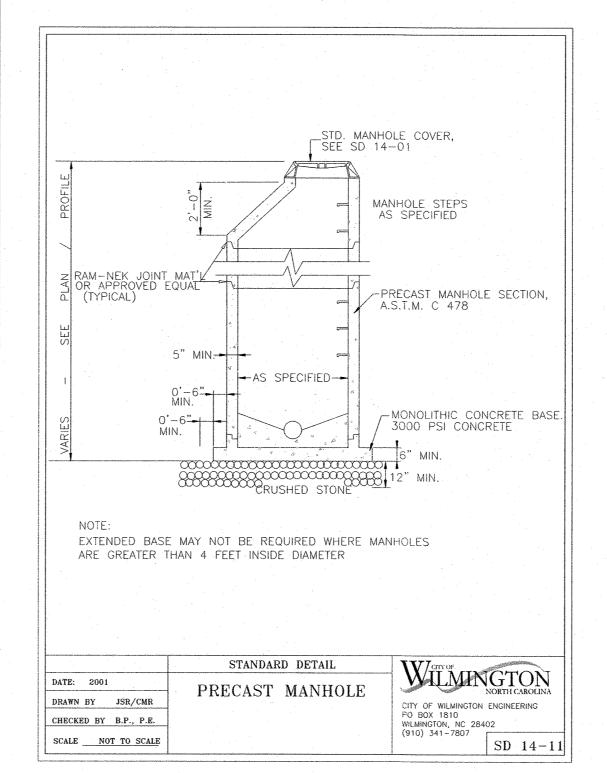
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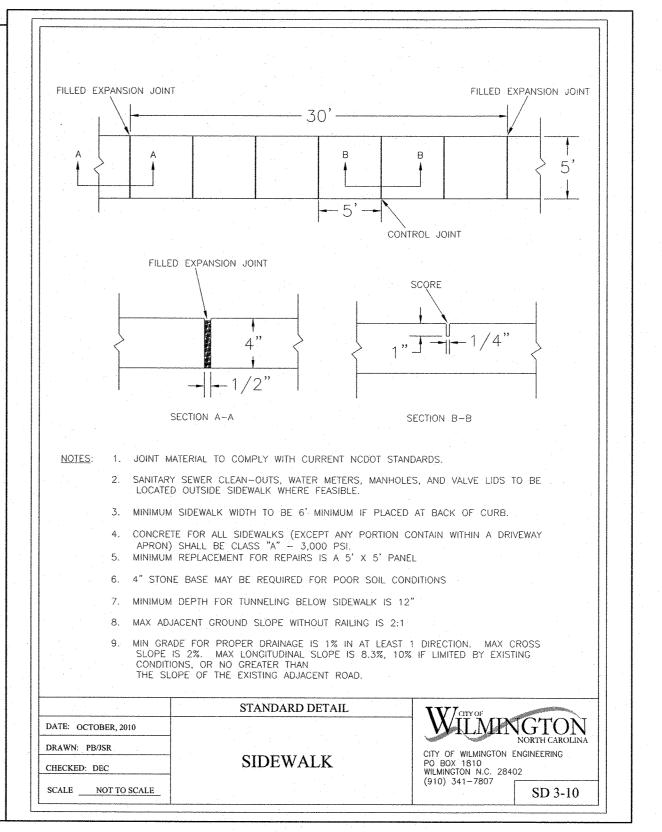
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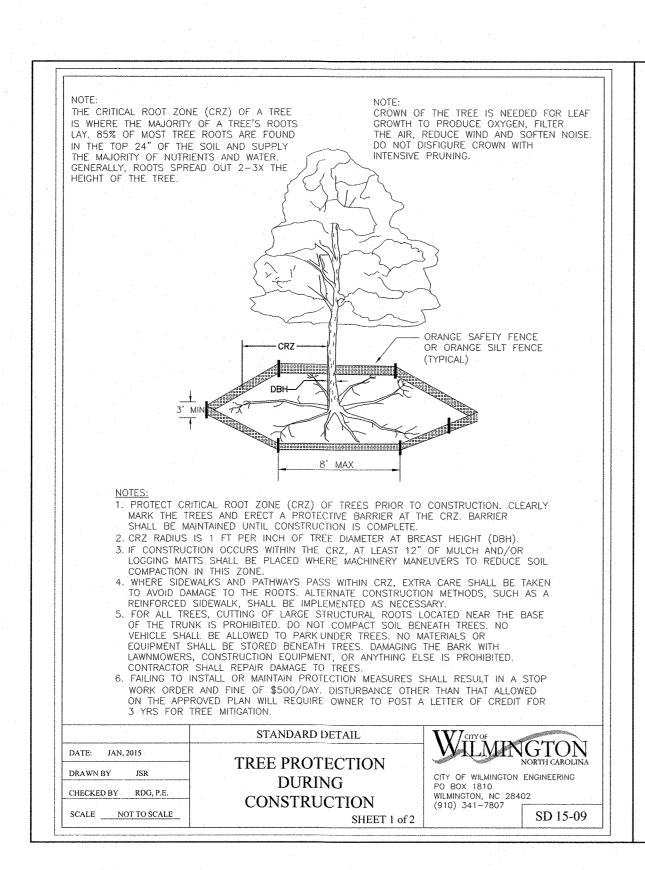
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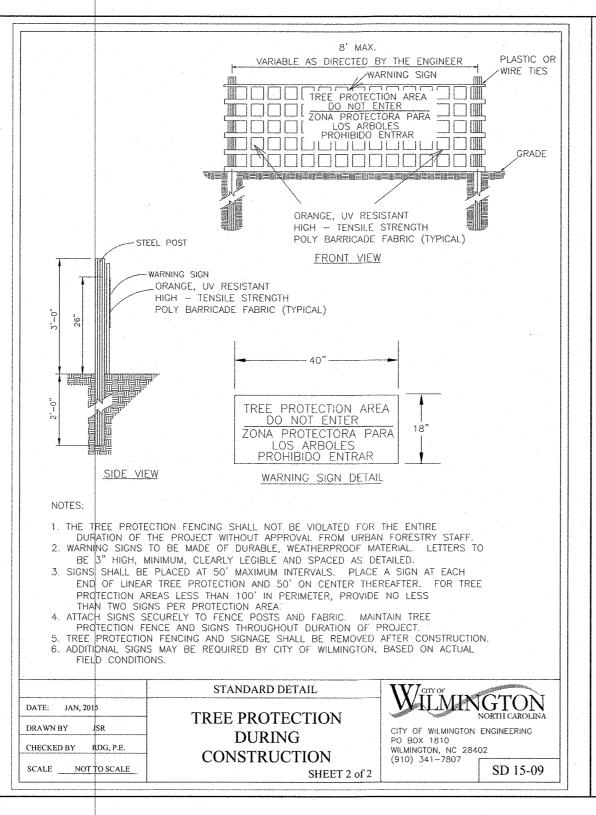


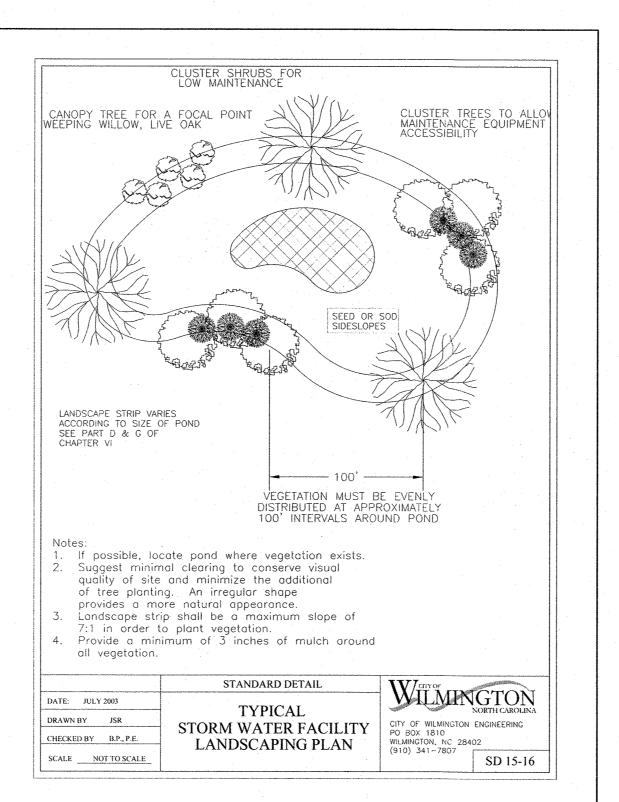


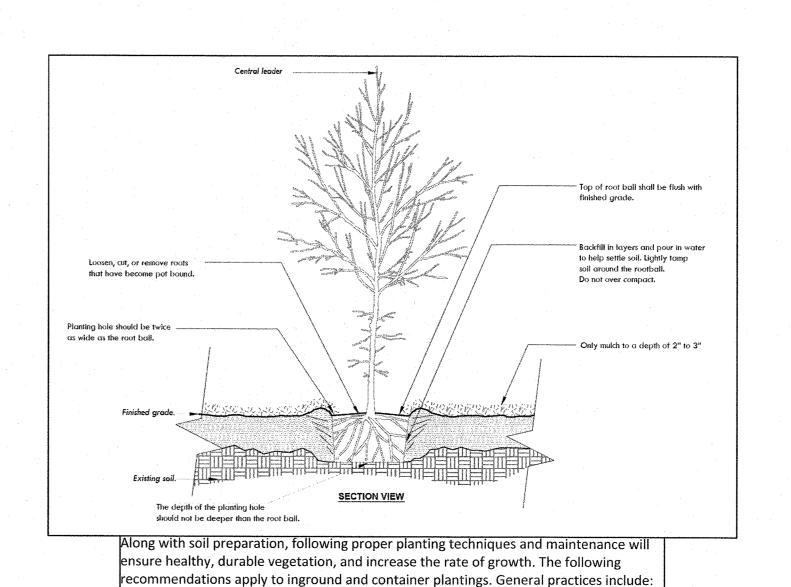












• The planting hole should be a minimum of twice as wide as the root ball. • The depth of the planting hole should be approximately two inches less than the bottom of the root system. Do not dig deeper than the root ball. Remove any strapping, wire, plastic, or paper and remove the top half of any burlap, fabric or wire basket from the root ball. Loosen, cut, or remove roots that have become pot bound (compacted, matted, kinked, or are circled around the root ball) and ensure the root flare is exposed. • Fill 1/3 of the hole and pack soil around the base of the root ball. • Instead of compacting soil with a shovel or foot, use water to settle the soil by adding a layer of soil and then watering. Repeat with a layer of soil and watering until the hole has been completely backfilled. Mulch to a depth of 2-3 inches.



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

No./ Description | 1 | CoW TRENCH

REVISIONS

FOREST PARK TOWNHOME 430 FOREST PARK ROAD WILMINGTON, NORTH CAROLINA NOTE

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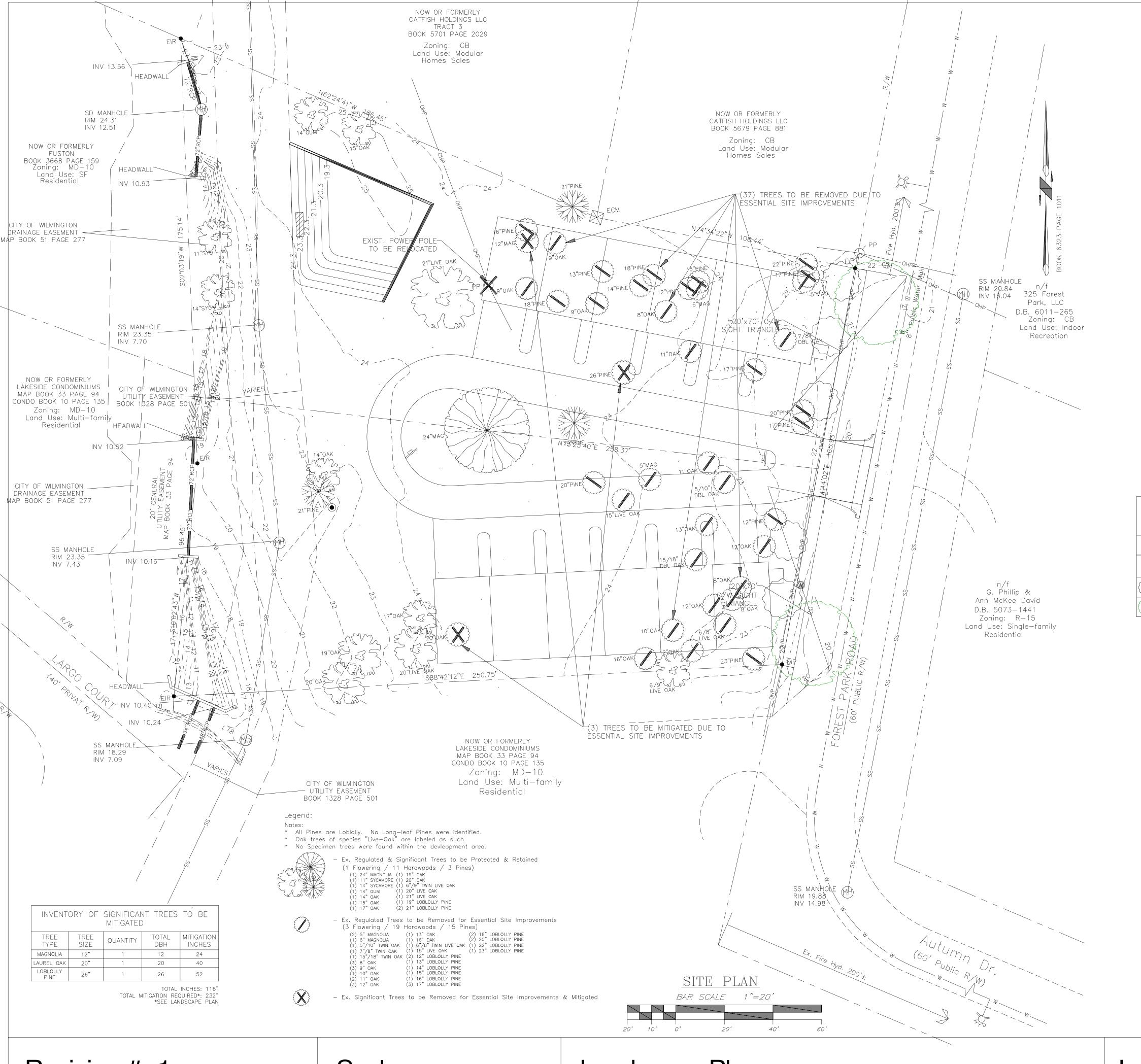
TRIPP ENGINEERING,
419 Chestnut Street
Wilmington, North Carolina 284
Phone 910-763-5100
Fax 910-763-5631
© 2021 TRIPP ENGINEERING, P.C. TRIPP

190 NOT USE FOR CONSTRUCTION

> 07-21-23 PGT DESIGN DRAWN EJW

> > MM

22011



1) A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND THE PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL 2) ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30"-10'. 3) 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. 4) ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF 5) NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIV FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTIONS ON TREE PROTECTION METHODS.

8) LABEL PROTECTIVE FENCING WITH SIGNS TO BE PLACED EVERY 50 LINEAR FEET, OR AT LEAST TWO (2) PER AREA, IN BOTH ENGLISH AND

CLEARING AND LAND DISTURBANCE.

SPANISH "TREE PROTECTION AREA: DO NOT ENTER".

6) ALL CURBING AROUND LANDSCAPE ISLAND TO BE MINIMUM 6" IN 7)TREE PRESERVATION/REMOVAL PERMIT IS REQUIRED PRIOR TO

LOCATION MAP

LEGEND

COMMON NAME QTY SIZE HEIGHT

TREE, DECIDUOUS MAPLE, TRIDENT

CATHEDRAL LIVE OAK

5 3" CAL. 1Φ'

15" CAL. TOWARDS MITIGATION

232" REQ'D. MITIGATION 15" CAL. TOWARDS MITIGATION 217" REQ'D. MITIGATION REMAINING TO BE PAID IN LIEU



Revision #: 1

Date: 7/26/2023

Scale:

Landscape Plan:

1'' = 20'

Forest Park Townhomes

Landscape Design by: Jim Freeman - NCLC# 0071

Freeman Landscape, Inc.