

LONG TERM CARE - SPRINGBROOK CLAYTON LANDSCAPE PLAN

Curry
ENGINEERING

REVISIONS
1 12/30/2024
ORIG. SHEET SIZE: 24 x 36
FILE NO.

T 019 552-048
F 091 552-043
205 Fultique Avenue
Floyd-Alamance NC 27261

NC LIC. NO. P-07959

LANDSCAPING NOTES:

- ALL TREES SHALL BE MIN. 10' TALL AND 2.5" CALIPER AT TIME OF PLANTING.
- LANDSCAPING SHALL COMPLY WITH THE TOWN OF CLAYTON LANDSCAPING ORDINANCE AS SPECIFIED IN CHAPTER 6, SUBSECTION 6.6.11 OFF-STREET PARKING LOT LANDSCAPING, WHICH REQUIRES 1 SHADE TREE FOR EVERY 12 PARKING SPACES. EACH TREE MUST BE NO MORE THAN 60' APART.
- THIS SITE SHALL COMPLY WITH TOWN OF CLAYTON UDO SECTION 6.6.12 PERIMETER BUFFER TABLE 6.6.12.G BUFFER APPLICATION, WHICH REQUIRES A TYPE A BUFFER.
- ALL DENUDED AREAS NOT SHOWN TO HAVE MULCH GROUND COVER SHALL BE SEDED WITH PERMANENT SEEDING IN ACCORDANCE WITH TOWN OF CLAYTON STANDARDS AND SPECIFICATIONS.
- PLANT TREES WITH A MINIMUM CALIPER OF TWO & ONE HALF INCHES MEASURED SIX INCHES ABOVE THE GROUND AND A ROOT BALL NO SMALLER THAN TWO FEET IN DIAMETER AND 16 INCHES IN DEPTH.
- THE BEST TIMES FOR PLANTING ARE EARLY SPRING AND EARLY FALL. TREES PLANTED IN THE SUMMER RUN THE RISK OF DEHYDRATION.
- PLANT ALL TREES AT LEAST THREE-AND-A-HALF FEET FROM THE END OF HEAD-IN PARKING SPACES IN ORDER TO PREVENT DAMAGE FROM CAR OVERHANGS.
- DIG THE TREE PIT AT LEAST TWO FOOT WIDER THAN THE ROOT BALL AND AT LEAST SIX INCHES DEEPER THAN THE BALL VERTICAL DIMENSION.
- ESPECIALLY IN AREAS WHERE CONSTRUCTION ACTIVITY HAS COMPACTED THE SOIL, THE BOTTOM OF THE PIT SHOULD BE SCARIFIED OR LOOSENSED WITH A PICK AX OR SHOVEL.
- AFTER THE PIT IS DUG, OBSERVE SUB-SURFACE DRAINAGE CONDITIONS. WHERE POOR DRAINAGE EXISTS, THE TREE PIT SHOULD BE DUG AT LEAST AN ADDITIONAL TWELVE INCHES WIDER AND THE SOIL AMENDED TO ALLOW PROPER ROOT GROWTH.
- BACKFILL SHOULD INCLUDE A PROPER MIX OF SOIL AND FERTILIZER. ALL ROOTS MUST BE COMPLETELY COVERED. BACKFILL SHOULD BE THOROUGHLY WATERED AS IT IS PLACED AROUND THE ROOTS.
- IMMEDIATELY AFTER IT IS PLANTED, THE TREE SHOULD BE SUPPORTED WITH STAKES AND STRAPS TO FIRMLY HOLD IT IN PLACE AS ITS ROOT SYSTEM BEGINS TO DEVELOP. REMOVE STAKES AND TIES AFTER ONE YEAR.
- SPREAD AT LEAST THREE INCHES OF MULCH OVER THE ENTIRE EXCAVATION IN ORDER TO RETAIN MOISTURE AND KEEP DOWN DUST.
- AN ADDITIONAL THREE-INCH SAUCER AND MULCH SHOULD BE PROVIDED TO FORM A BASIN AROUND THE TRUNK OF THE TREE. THIS SAUCER HELPS CATCH AND RETAIN MOISTURE.
- CONSCIENTIOUS POST-PLANTING CARE, ESPECIALLY WATERING, PRUNING AND FERTILIZING, IS A MUST FOR STREET AND PARKING LOT TREES. PRUNE OFF BROKEN OR DAMAGED BRANCHES.
- ALL DISTURBED AREAS NOT IDENTIFIED FOR PLANTINGS AND MULCH SHALL BE SEDED. SEE DETAIL SHEETS FOR REQUIREMENTS.

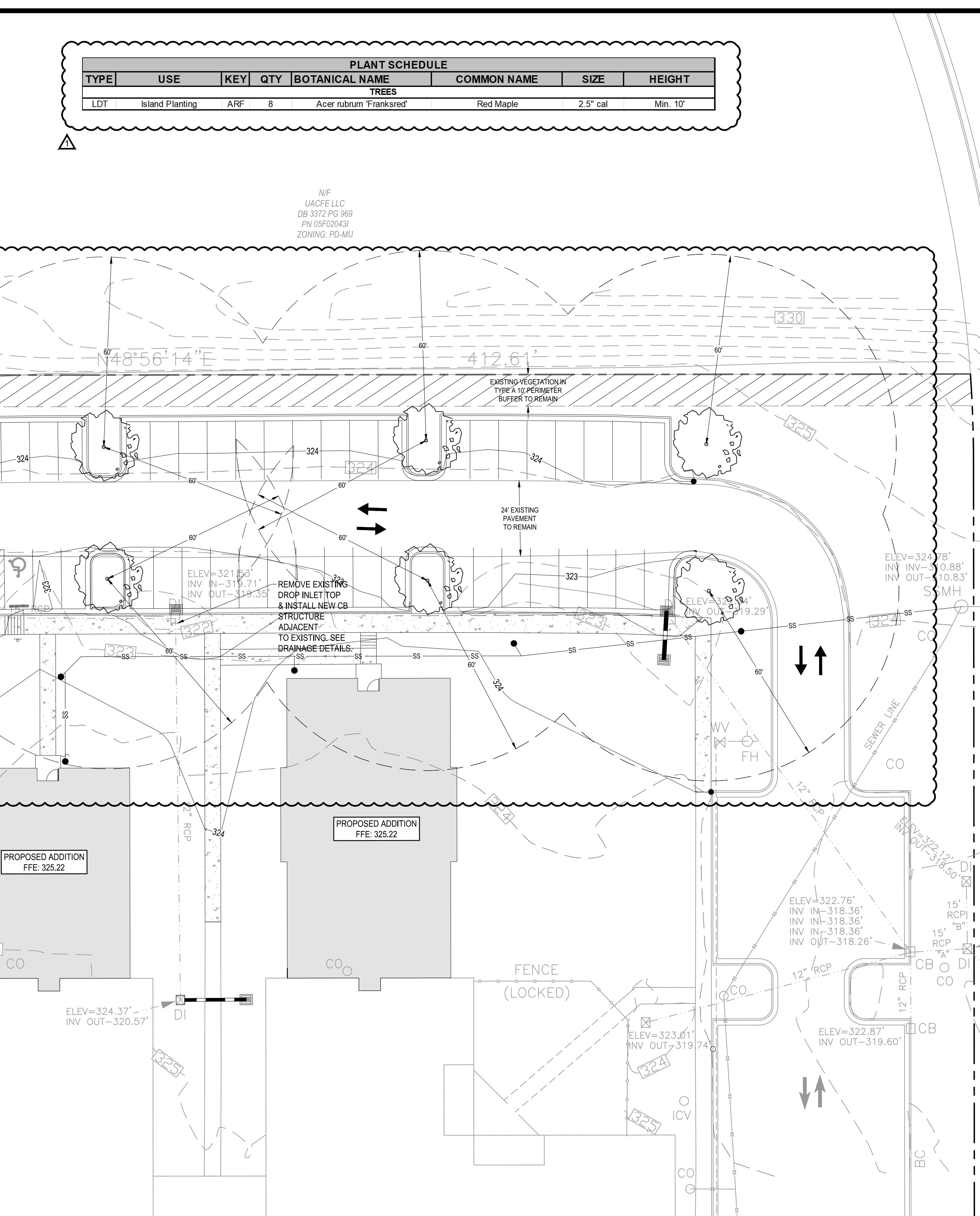
LANDSCAPE LEGEND:



LANDSCAPE CALCULATIONS
SHADE TREE PLANTINGS
REQUIREMENT: 1 CANOPY TREE PER EVERY 12 OFF STREET
PARKING SPACES
PARKING SPACES: 45
TREES REQUIRED: # = 4 TREES
TREES PROVIDED: 4 TREES

2D PROJECT FOR 2D BUILDING 20240710 LONG TERM CARE - SPRINGBROOK CLAYTON LANDSCAPE PLANSHEET 1.0 LANDSCAPE PLANS
PLOTTED: 20240710 09:53 AM

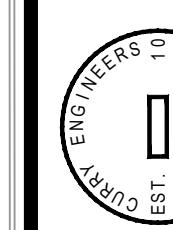
PLANT SCHEDULE							
TYPE	USE	KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT
LDT	Island Planting	ARF	8	Acer rubrum 'Franksred'	Red Maple	2.5" cal	Min. 10'



SCALE: 1 IN = 20 FT
SCALE IN FEET
HORIZONTAL

**Town of Clayton
Construction Drawing
Approved for Construction**
Director/Assistant Director of Engineering:
Planning Director:
Official Document
Town of Clayton Engineering must be contacted at a minimum 48 hours prior to the commencement of construction activities. This document has been reviewed by the Town of Clayton and to the best of our knowledge, contains no errors. The Town of Clayton shall not be liable for any damages resulting from the use of this document. Approval by the Town shall not release the Applicant and/or Design Professional from the responsibility for adequacy of design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

**SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59**
SEAL
CURRY
ENGINEERING
L-1.0



EST.

1970

NC

048484

SEAL

048484

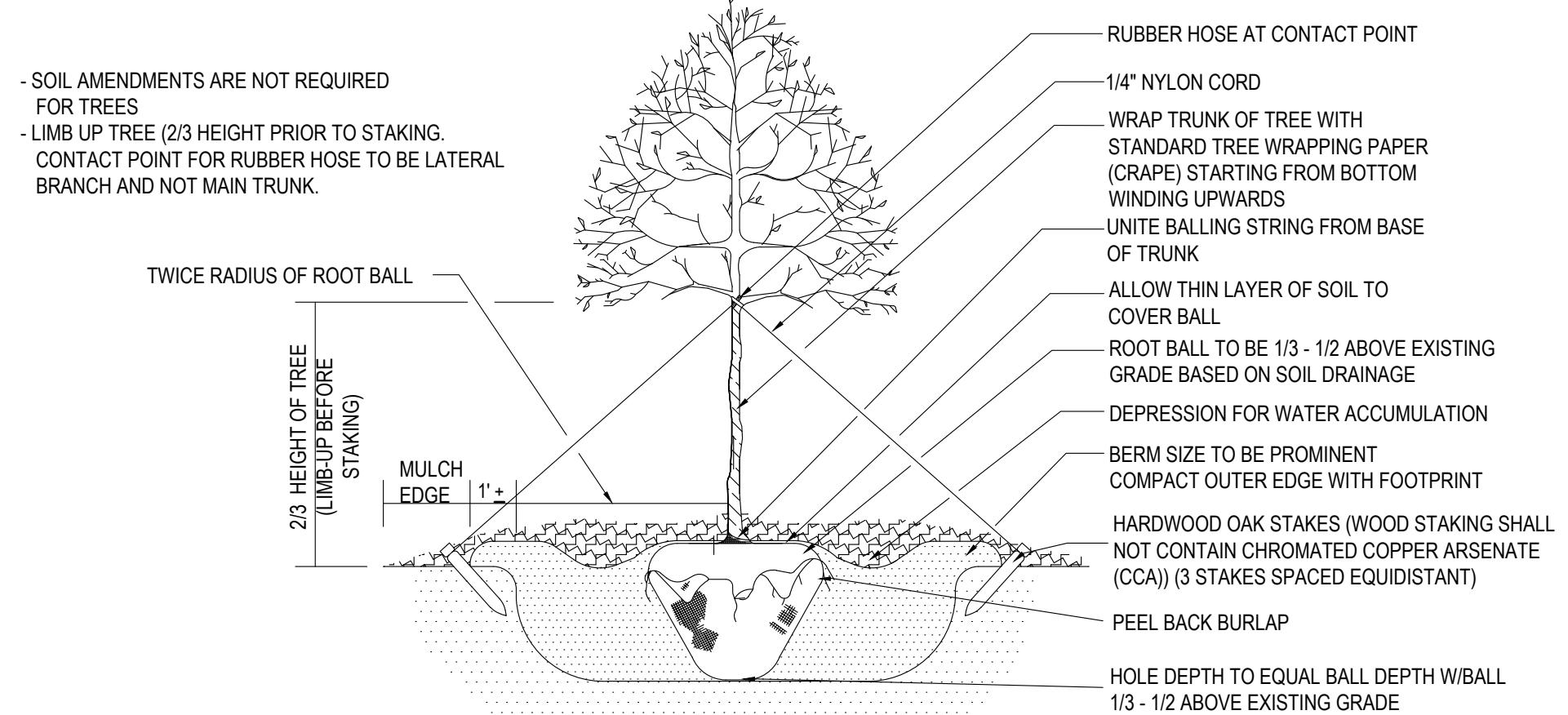
LONG TERM CAPE - CODDING BOOK CLAWTON

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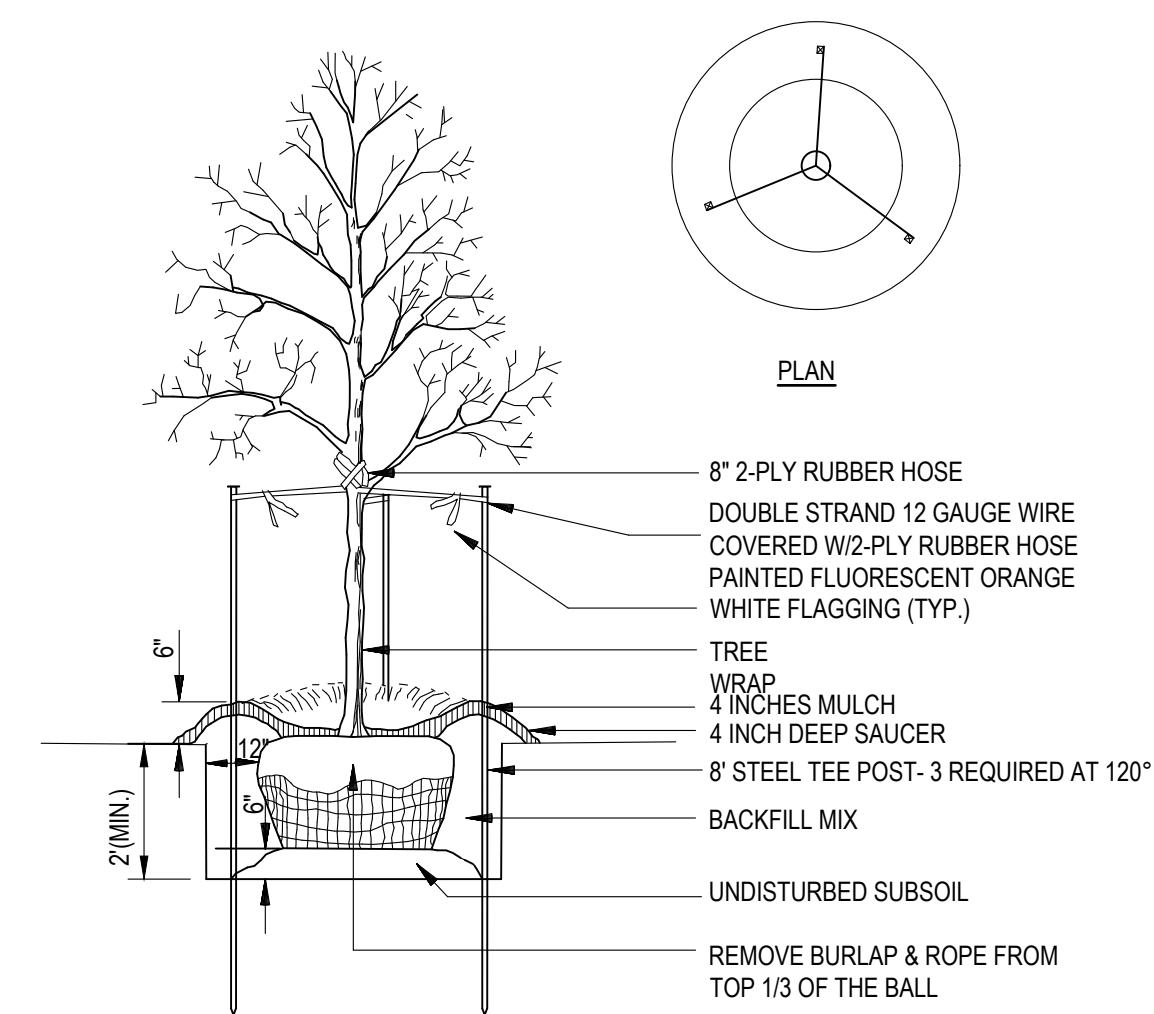
FILE NO. ORIG. SHEET SIZE: 24 x 36

J.C. NO. P-0799

ENGINEERING



1 TREE STAKING & PLANTING DETAIL
L-02 SCALE: N.T.S

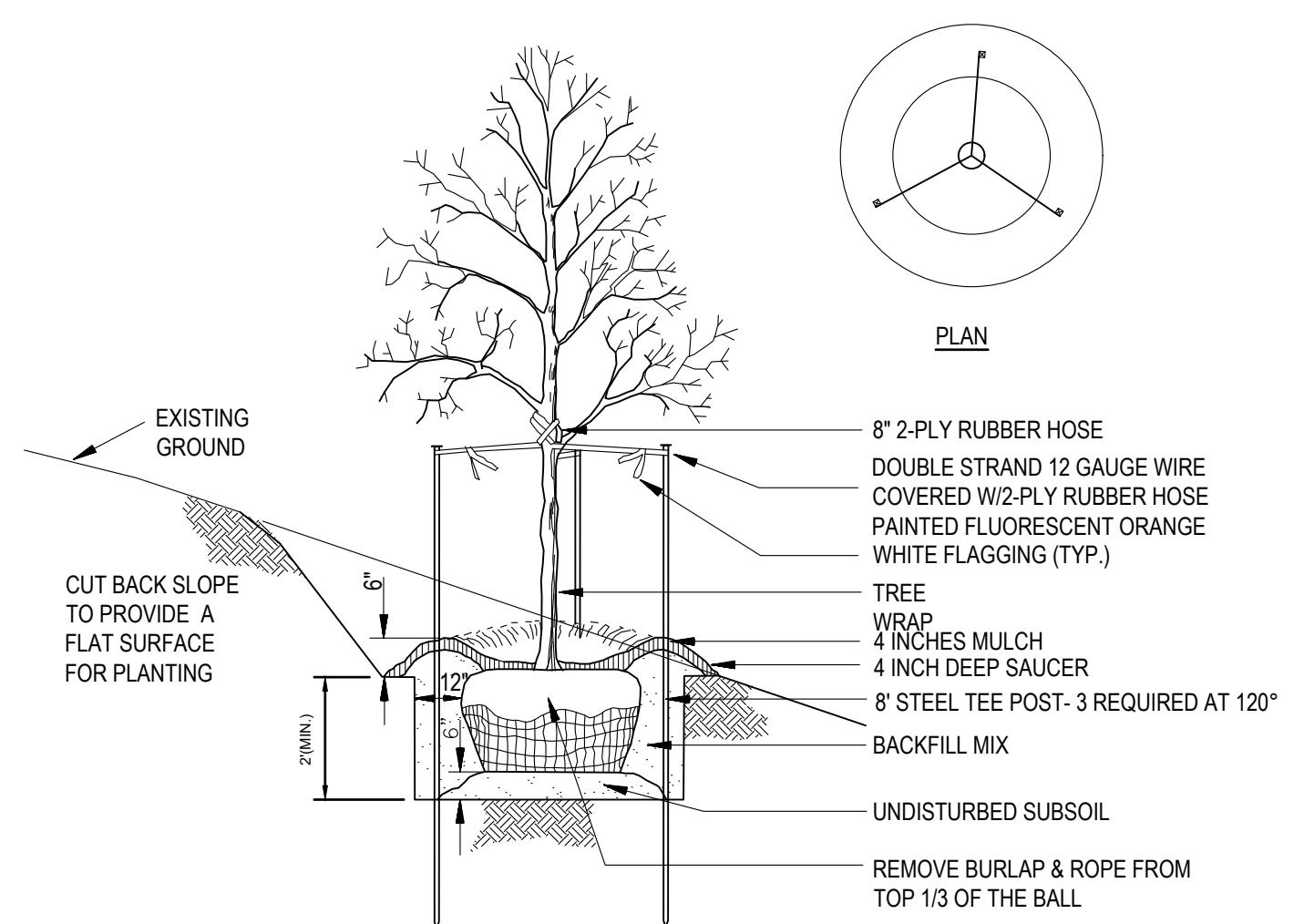


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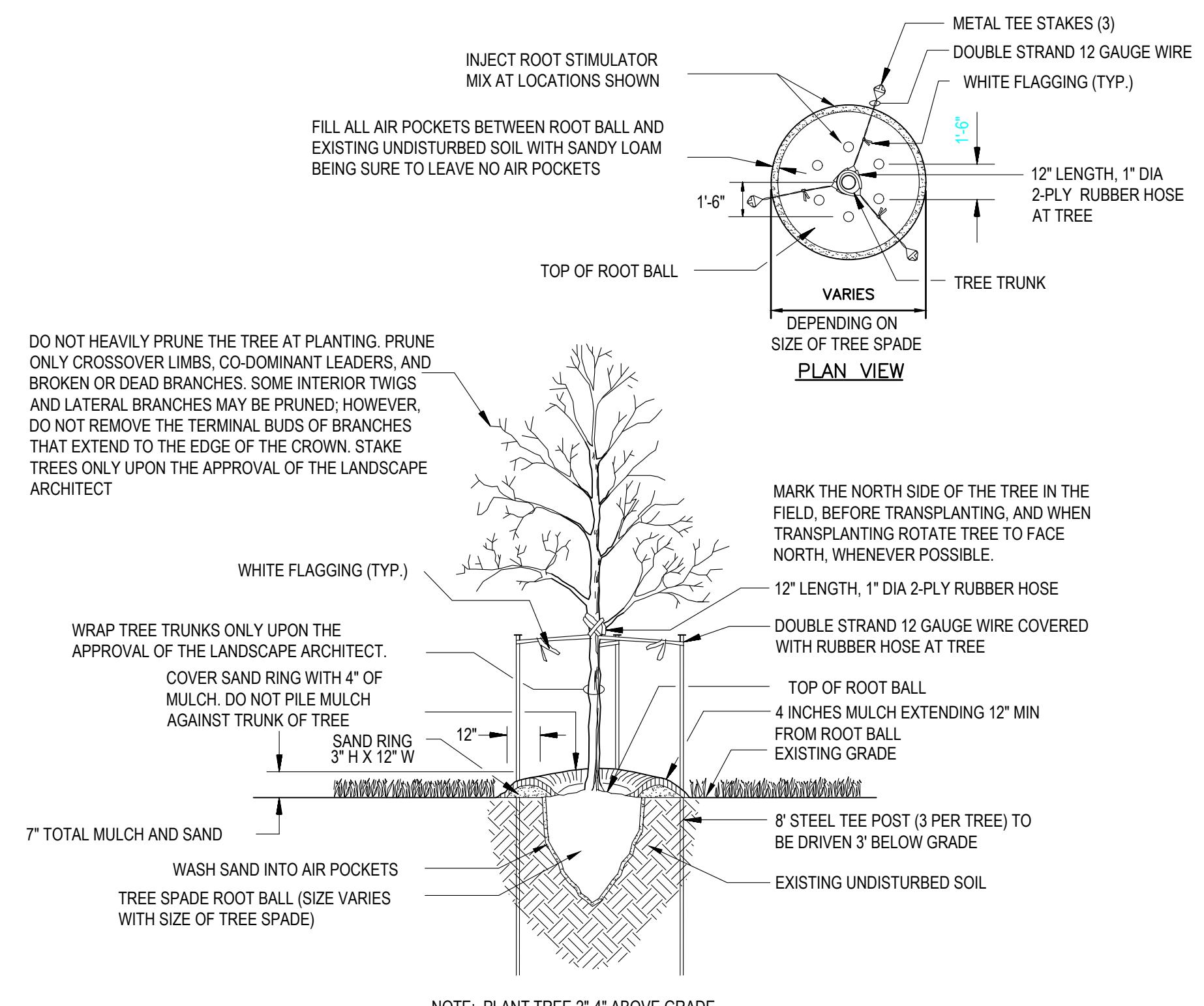
L-02

TRE PLANTING

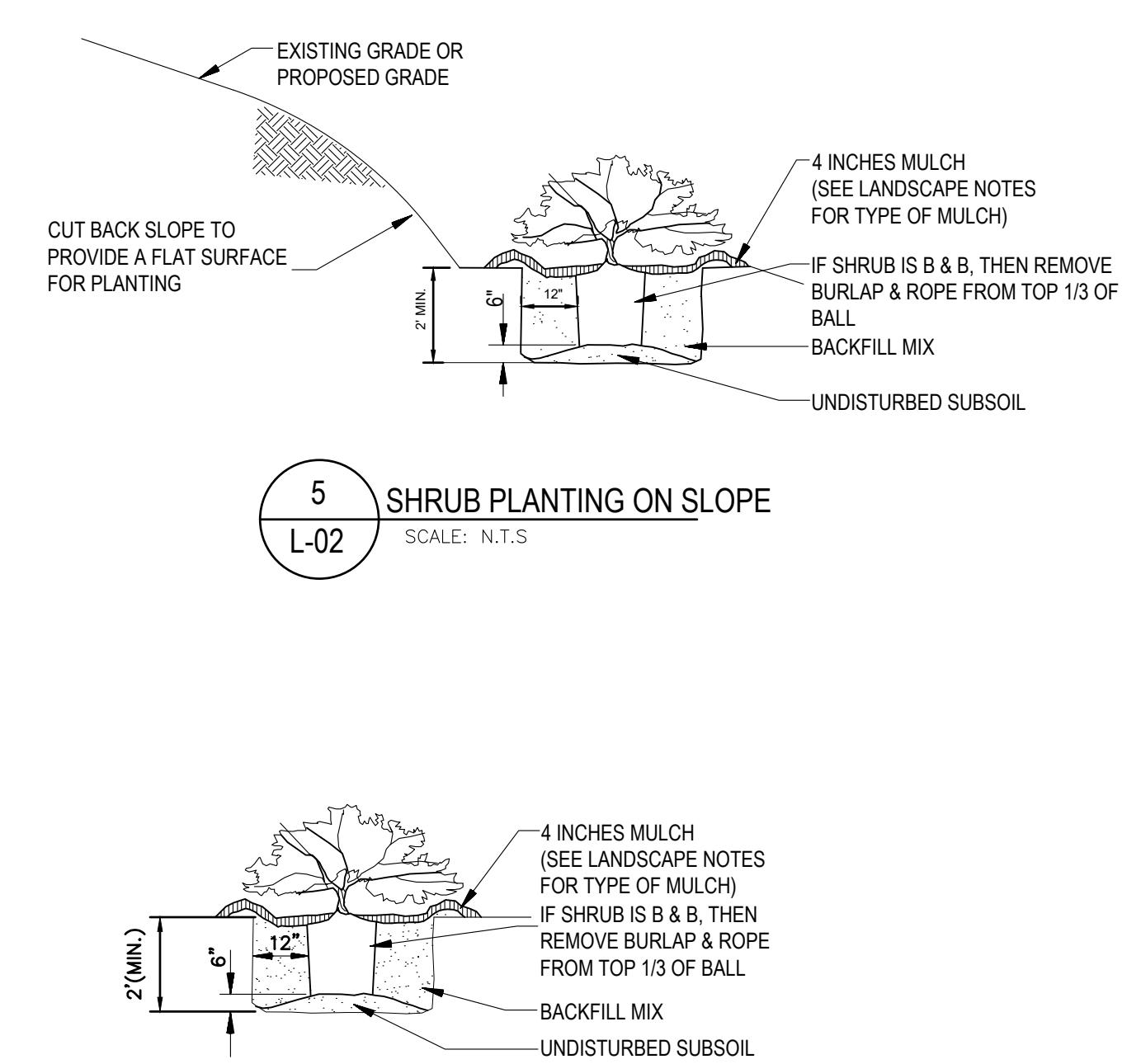
SCALE: N.T.S



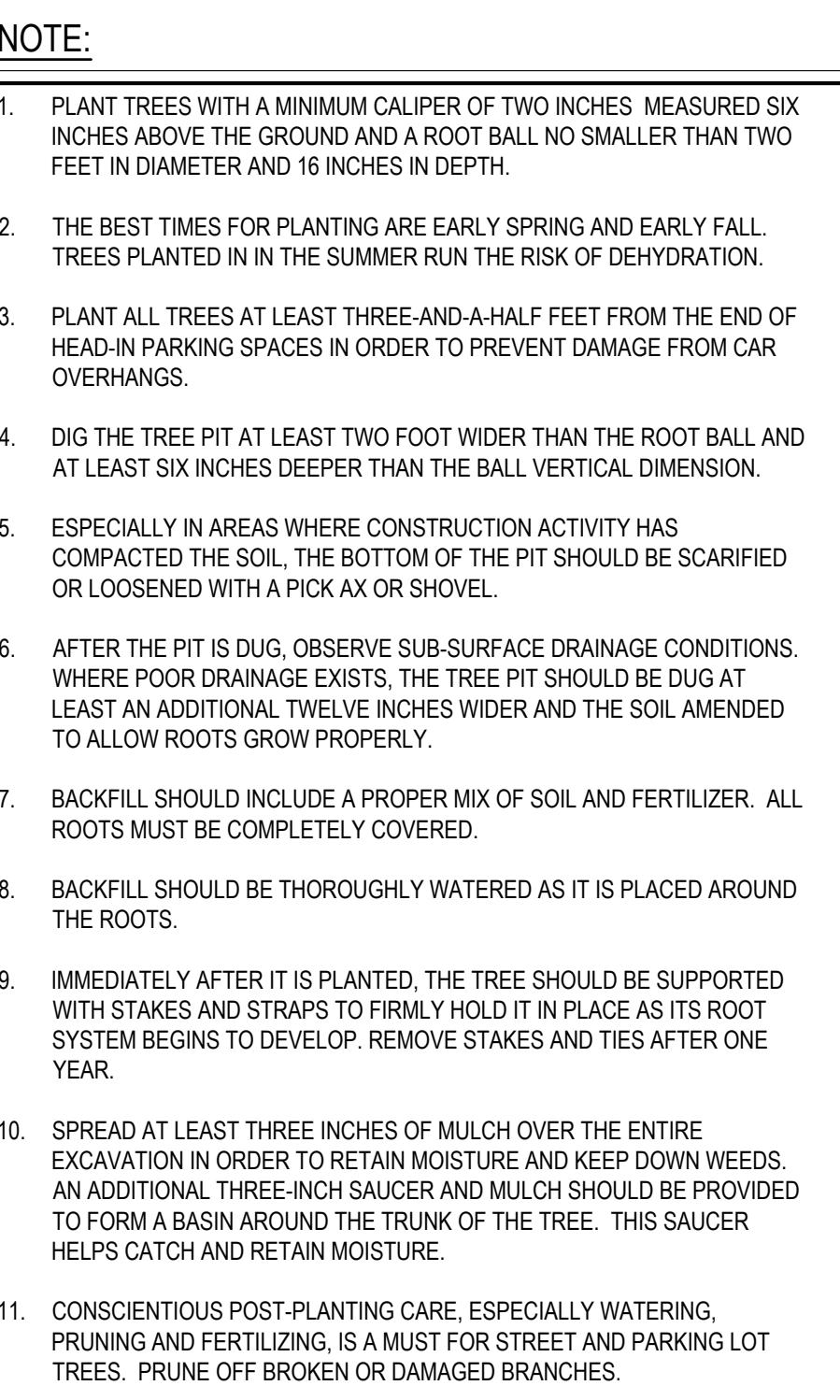
NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.



MACHINE DUG TREE PLANTING



5 L-02 SHRUB PLANTING ON SLOPE
SCALE: N.T.S



Town of Clayton

Construction Drawing

Approved for Construction

Director/Assistant Director of Engineering:

Planning Director:

Official Document

**SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59**

LONG TERM CARE - SPRINGBROOK CLAYTON

STORM DRAINAGE DETAILS

205 E. Fuqua Avenue
Fuquay-Varina, NC 27526
T: (919) 552-2649
F: (919) 552-2643

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F: (919) 552-2643

NC Lic. No. P-0789

EST. 1947

N.C. PROFESSIONAL

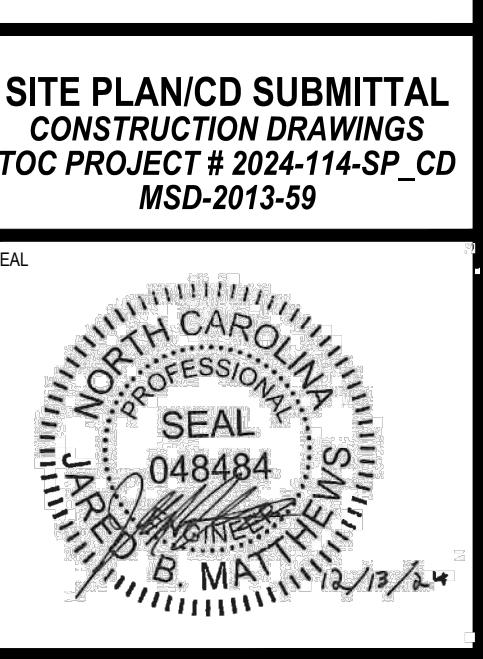
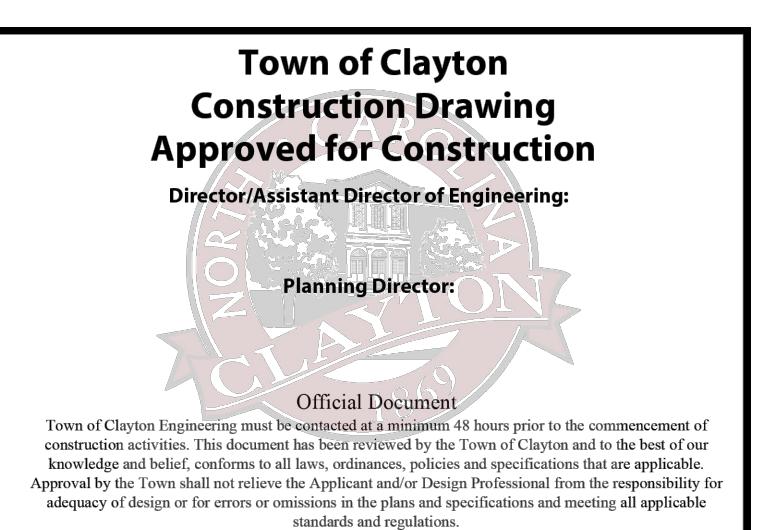
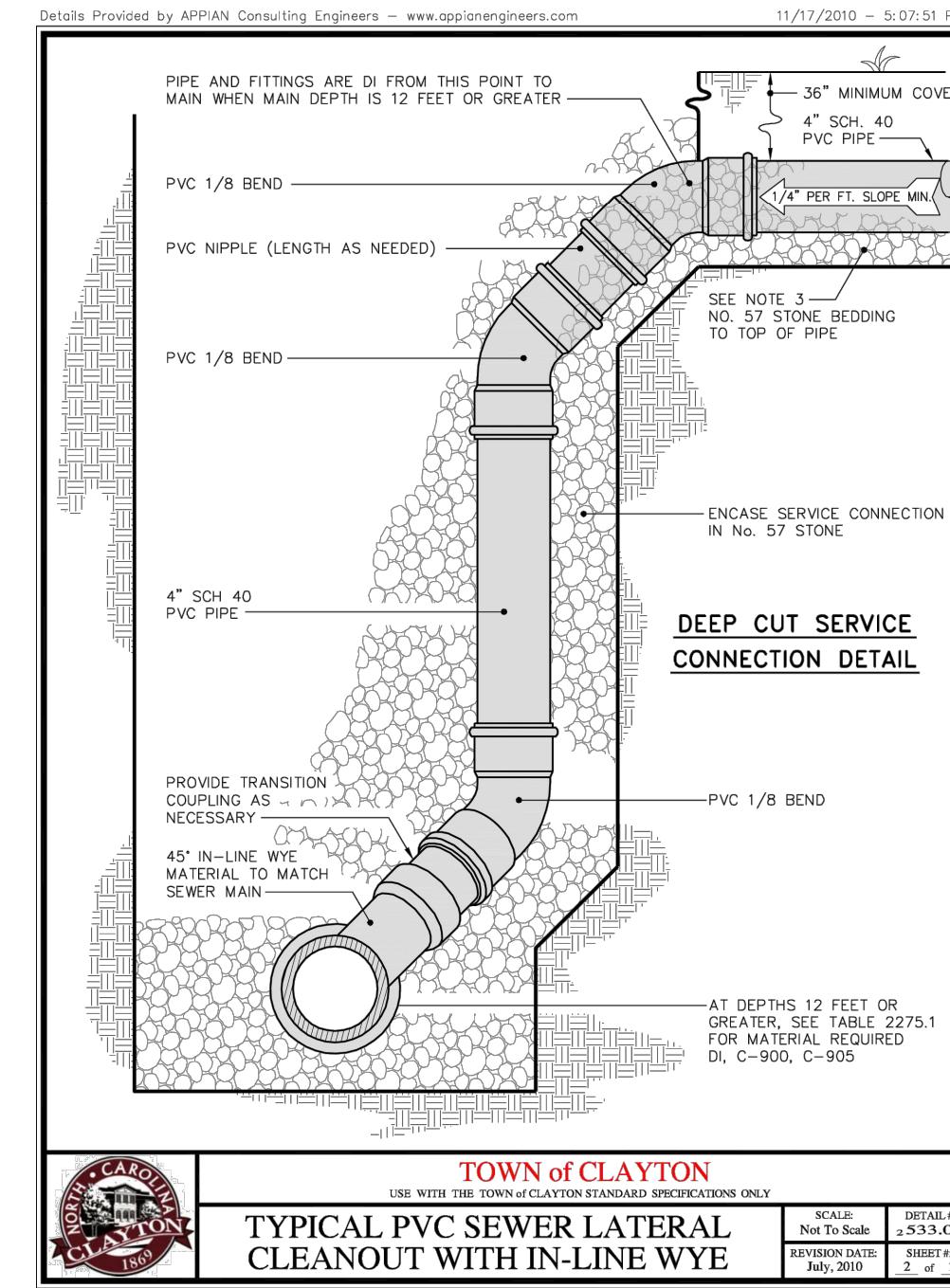
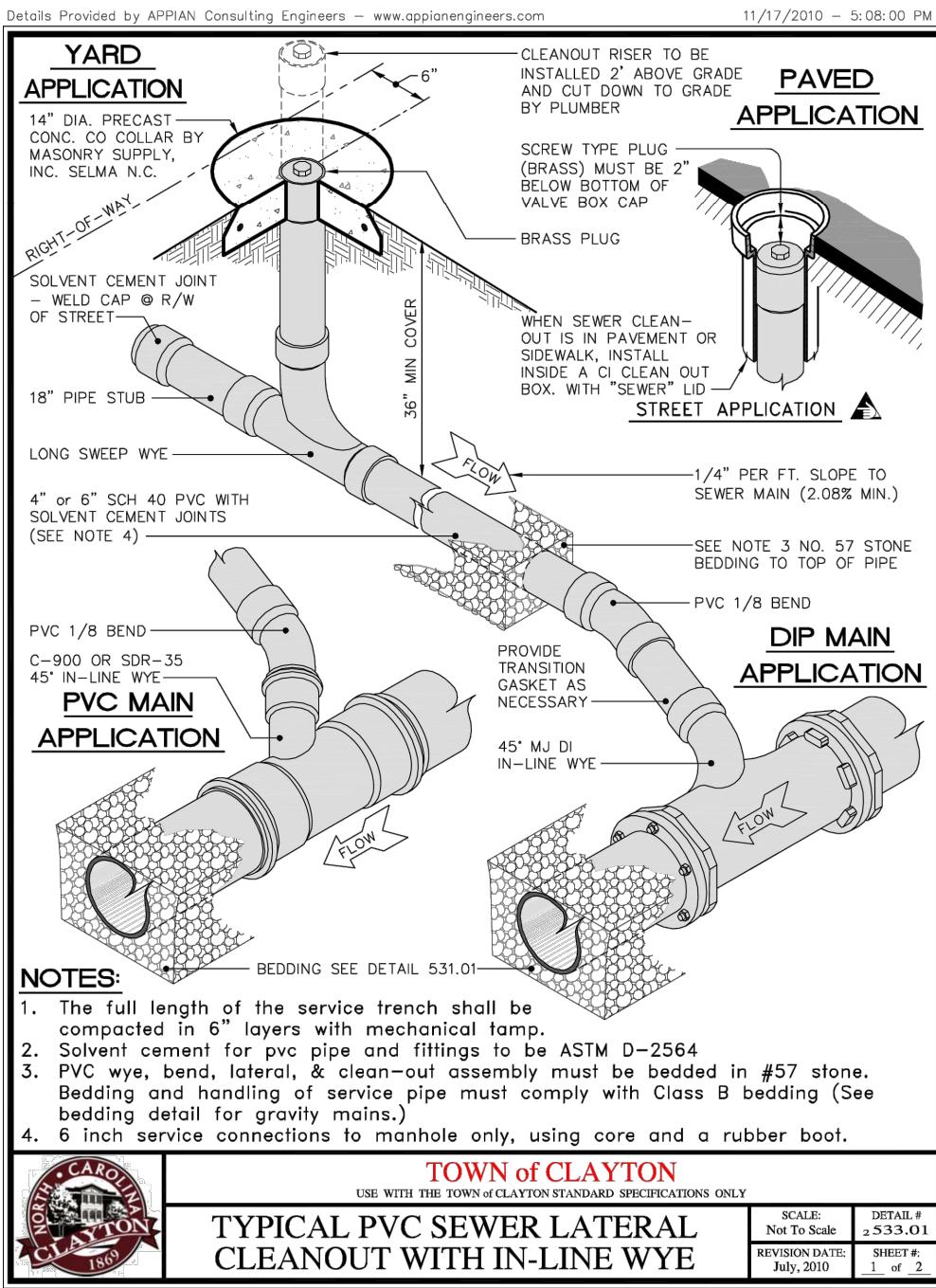
ENGINEERS

ASSOCIATES

INC.

CLAYTON

NC



CONSTRUCTION SPECIFICATIONS

1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET APART.
3. SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POSTS AT TOP, MIDDLE, AND BOTTOM. PLACING A 2-FOOT FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
4. PLACE CLEAN GRAVEL (NC DOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16 INCHES AROUND THE INLET AND SMOOTH TO AN EVEN GRADE.
5. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT, AND ESTABLISH FINAL GRADING ELEVATIONS.
6. COMPACT THE AREA PROPERLY AND STABILIZED IT WITH GROUNDCOVER.

MAINTENANCE:

INSPECT INLETS DAILY AND AFTER EACH SIGNIFICANT ($\frac{1}{2}$ INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

STANDARD METAL POSTS 2' IN GROUND

GALVANIZED HARDWARE WIRE EXTENDS TO TOP OF BOX

#57 WASHED STONE PLACED TO A HEIGHT OF 12"-18" MIN. ABOVE TOP OF BOX.

DETAIL REFERENCE 6.51 NC ESCPDM

1 INLET PROTECTION

EG 1.2 SCALE: NTS

<p style="text-align: center;">PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING</p> <p>SECTION A: SELF-INSPECTION</p> <p>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.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Inspect</th> <th style="width: 10%;">Frequency (during normal business hours)</th> <th style="width: 80%;">Inspection records must include:</th> </tr> </thead> <tbody> <tr> <td>(1) Rain gauge maintained in good working order</td> <td>Daily</td> <td>Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine 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.</td> </tr> <tr> <td>(2) E&SC Measures</td> <td>At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours</td> <td>1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.</td> </tr> <tr> <td>(3) Stormwater discharge outfalls (SDCs)</td> <td>At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours</td> <td>1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. 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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.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Item to Document</th> <th style="width: 70%;">Documentation Requirements</th> </tr> </thead> <tbody> <tr> <td>(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.</td> <td>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.</td> </tr> <tr> <td>(b) A phase of grading has been completed.</td> <td>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.</td> </tr> <tr> <td>(c) Ground cover is located and installed in accordance with the approved E&SC plan.</td> <td>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.</td> </tr> <tr> <td>(d) The maintenance and repair requirements for all E&SC measures have been performed.</td> <td>Complete, date and sign an inspection report.</td> </tr> <tr> <td>(e) Corrective actions have been taken to E&SC measures.</td> <td>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 corrective action.</td> </tr> </tbody> </table> <p>2. Additional Documentation to be Kept on Site</p> <p>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:</p> <ol style="list-style-type: none"> This General Permit as well as the Certificate of Coverage, after it is received. 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. <p>3. Documentation to be Retained for Three Years</p> <p>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]</p>	Item to Document	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.	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Oil spills if: <ul style="list-style-type: none"> 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 G.S. 143-215.85. Anticipated bypasses and unanticipated bypasses. Noncompliance with the conditions of this permit that may endanger health or the environment. <p>2. Reporting Timeframes and Other Requirements</p> <p>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) 858-0368.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Occurrence</th> <th style="width: 85%;">Reporting Timeframes (After Discovery) and Other Requirements</th> </tr> </thead> <tbody> <tr> <td>(a) Visible sediment deposition in a stream or wetland</td> <td> <ul style="list-style-type: none"> 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 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. </td> </tr> <tr> <td>(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above</td> <td> <ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release. </td> </tr> <tr> <td>(c) Anticipated bypasses [40 CFR 122.41(m)(3)]</td> <td> <ul style="list-style-type: none"> A report at least ten days before the date of the bypass, if possible. 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(3) Stormwater discharge outfalls (SDCs)	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.																																													
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future 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 \geq 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.																																													
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. 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.																																													
Item to Document	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 corrective action.																																														
Occurrence	Reporting Timeframes (After Discovery) and Other Requirements																																														
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> 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 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 release of hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release. 																																														
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass. 																																														
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass. 																																														
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(l)(7)]	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not 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(l)(6)]. Division staff may waive the requirement for a written report on a case-by-case basis. 																																														
<p>PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT</p> <p>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:</p> <ol style="list-style-type: none"> 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, 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, 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, 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, Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and 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																																													

Town of Clayton Construction Drawing Approved for Construction

**SITE PLAN/CD SUBMITTAL
CONSTRUCTION DRAWINGS
TOC PROJECT # 2024-114-SP_CD
MSD-2013-59**