

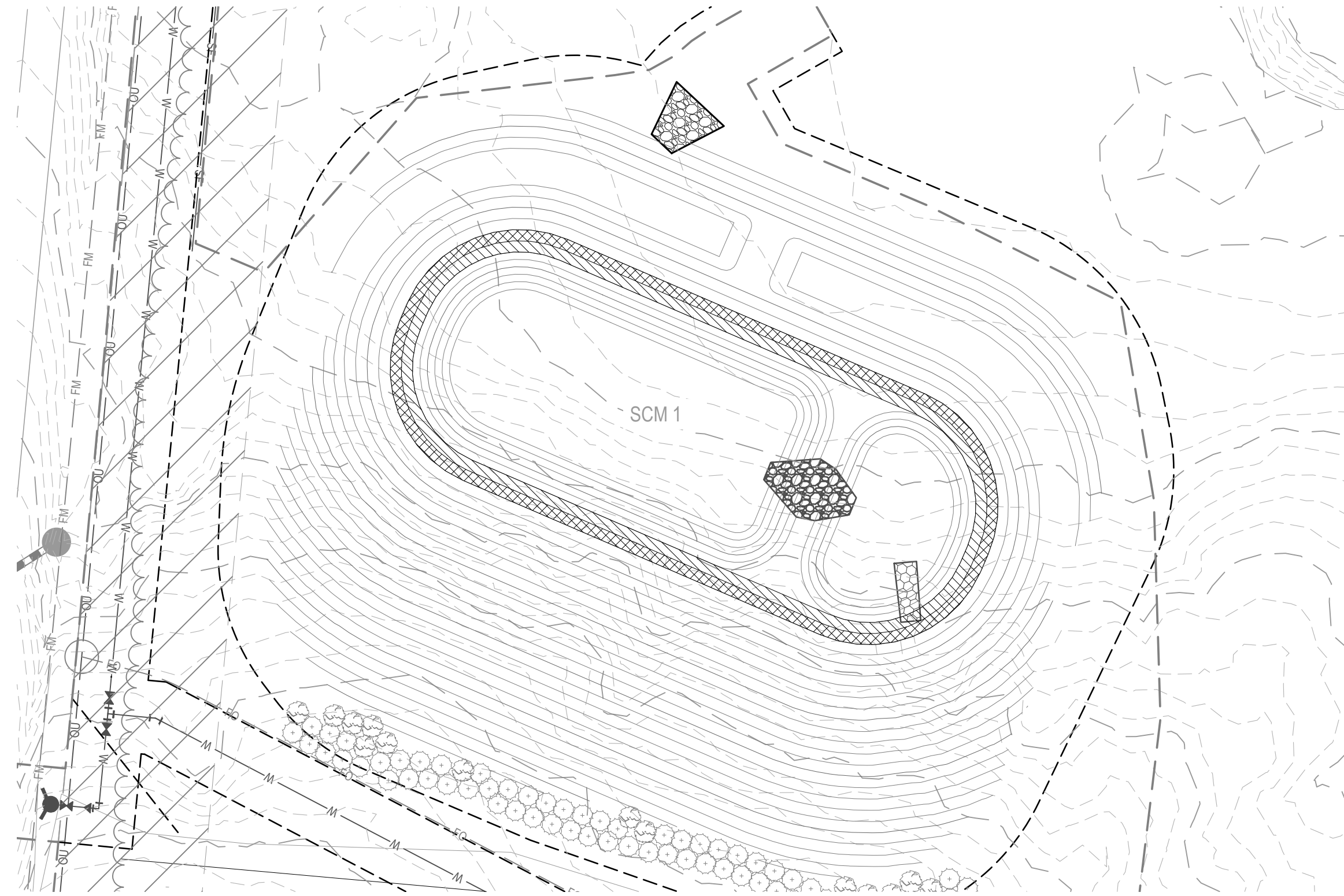
| QTY                     | KEY | BOTANICAL NAME                | COMMON NAME              | ROOT  | SIZE           | HEIGHT       | NOTES   |
|-------------------------|-----|-------------------------------|--------------------------|-------|----------------|--------------|---------|
| <b>CANOPY TREES</b>     |     |                               |                          |       |                |              |         |
| 1                       | QNU | Quercus nuttallii             | Nuttall Oak              | B&B   | 3.5' CAL. MIN. | 14' HT. MIN. | MATCHED |
| 3                       | QPH | Quercus phellos               | Willow Oak               | B&B   | 3.5' CAL. MIN. | 14' HT. MIN. | MATCHED |
| 5                       | PTA | Pinus taeda                   | Loblolly Pine            | B&B   | 3.5' CAL. MIN. | 14' HT. MIN. | MATCHED |
| 10                      | UPB | Ulmus parviflora 'Boisacq'    | Lacebark Elm             | B&B   | 3.5' CAL. MIN. | 14' HT. MIN. | MATCHED |
| <b>UNDERSTORY TREES</b> |     |                               |                          |       |                |              |         |
| 46                      | JVB | Juniperus virginiana 'Brodia' | Brodie Eastern Red Cedar | CONT. | 15 GAL. MIN.   | 5' HT. MIN.  | MATCHED |
| <b>SHRUBS</b>           |     |                               |                          |       |                |              |         |
| 16                      | ICB | Ilex cornuta 'Burdicki Nana'  | Dwarf Burdicki Holly     | CONT. | 3 GAL. MIN.    | 18" HT. MIN. | MATCHED |
| 66                      | VAC | Viburnum awabuki 'Chindo'     | Chindo Viburnum          | CONT. | 3 GAL. MIN.    | 18" HT. MIN. | MATCHED |
| 34                      | DMB | Dasyllum 'Blue Cascade'       | Dwarf Dasyllum           | CONT. | 3 GAL. MIN.    | 18" HT. MIN. | MATCHED |
| 110                     | ICN | Ilex cornuta 'Needpoint'      | Needpoint Holly          | CONT. | 3 GAL. MIN.    | 18" HT. MIN. | MATCHED |

**LANDSCAPE NOTES:**

- THERE SHALL BE NO INVASIVE/EXOTIC PLANTS OF THE SOUTHEAST, AS IDENTIFIED BY NORTH CAROLINA STATE UNIVERSITY COOPERATIVE EXTENSION, INSTALLED IN CHATHAM COUNTY.
- IT SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY AND/OR ANY TENANT TO MAINTAIN THE LANDSCAPE AREA IN A HEALTHY CONDITION. TO KEEP PLANT GROWTH OFF ROADWAYS OR OTHERWISE INTERFERING WITH TRAFFIC VISIBILITY OR SAFETY, AND TO KEEP THE LANDSCAPE AREA FREE OF LITTER, DEBRIS AND UNCONTROLLED WEED GROWTH. FAILURE TO DO SO WILL RESULT IN A VIOLATION OF THE TOWN OF PITTSBORO ORDINANCE AND BE SUBJECT TO ENFORCEMENT PROCEEDINGS DESCRIBED IN ARTICLE 9.
- PLANTS SHALL BE NURSERY GROWN AND SHALL BE HEALTHY AND VIGOROUS, FREE FROM DEFECTS, DECAY, ENCODING ROOTS, SUNSCALD, INJURIES, ABRASIONS, DISEASES, INSECTS, PESTS AND ALL FORMS OF INFESTATIONS OR OBJECTIONABLE DISFIGUREMENTS.
- A CERTIFICATE OF OCCUPANCY (COO) SHALL NOT BE ISSUED FOR ANY USE LOCATED ON A LOT(S) UPON WHICH SCREENING AND/OR LANDSCAPING IS REQUIRED UNLESS SUCH SCREENING AND LANDSCAPING IS PROVIDED AS HEREIN SPECIFIED. THIS PROVISION MAY BE TEMPORARILY WAIVED BY THE TOWN PLANNER IN CASES WHERE IT IS NOT POSSIBLE FOR THE DEVELOPER TO INSTALL CERTAIN SPECIES OF PLANT MATERIAL PRIOR TO OCCUPANCY DUE TO THE RECOMMENDED PLANTING SEASON FOR THE SPECIES.
- INSTALLATION OF LANDSCAPING MAY BE TEMPORARILY DELAYED DUE TO UNAVAILABILITY OF PLANT MATERIAL OR WEATHER CONCERNS, OR IF PLANTING AT A PARTICULAR TIME WOULD JEOPARDIZE THE HEALTH OF THE PLANT MATERIAL.
- EXTENDING THE DEADLINE OF A COO MAY ONLY OCCUR IF THE DEVELOPER POSTS A BOND OR LETTER OF CREDIT IN THE AMOUNT OF 125% OF THE COST OF THE PLANT MATERIALS AND THE LABOR TO SAFELY INSTALL THEM. THE REQUIRED LANDSCAPING INSTALLATION SHALL BE CERTIFIED BY A LICENSED LANDSCAPE ARCHITECT AND THIS CERTIFICATION SHALL BE SUPPLIED BY THE TOWN PLANNER PRIOR TO A REQUEST FOR A CERTIFICATE OF OCCUPANCY.
- LANDSCAPING FLANKING A DRIVEWAY ENTRANCE AND LANDSCAPED AREAS WITHIN OR ADJACENT TO A STREET RIGHT-OF-WAY MUST NOT INTERFERE WITH VEHICULAR SIGHT LINES.
- PARKING SHOULD BE SCREENED FROM PUBLIC VIEW WITH SHRUBS AND GRASSES THAT DO NOT EXCEED 4 FEET WITH THE EXCEPTION OF THOSE PLANTS WITHIN SIGHT DISTANCE TRIANGLES THAT MAY NOT EXCEED 30 INCHES.
- TREES PLANTED WITHIN PUBLIC RIGHT-OF-WAY OR ADJACENT TO SIGHT DISTANCE TRIANGLES SHALL BE LIMBED UP TO A MINIMUM OF 6'.
- WARM SEASON GRASSES SHALL BE PLANTED IN GRASSED AREAS WITHIN ALL PUBLIC STREET RIGHT-OF-WAYS IN CHATHAM COUNTY. A GROUND COVER OF NATIVE AND WILDLIFE-FRIENDLY GRASSES AND WILDFLOWERS IS REQUIRED FOR OPEN, UNIMPROVED AND NON-GRASSED AREAS IN PUBLIC STREET RIGHT-OF-WAYS IN CHATHAM COUNTY.
- ALL UTILITY HOTBOXES AND OTHER ON-GROUND / FREE-STANDING MECHANICAL EQUIPMENT SHALL BE SCREENED WITH VEGETATION PRIOR TO THE ISSUANCE OF A CERTIFICATE OF COMPLIANCE / OCCUPANCY.

**INSTALLATION & MAINTENANCE:**

- THE PLANTINGS THAT CONSTITUTE REQUIRED LANDSCAPING SHALL BE PROPERLY INSTALLED AND MAINTAINED IN ORDER TO FULFILL THE PURPOSE FOR WHICH IT WAS ESTABLISHED.
- PLANT SPECIES SHALL BE SELECTED FROM THE NATIVE SPECIES LIST FOUND IN APPENDIX 1. PLANT MATERIALS SHALL BE PLANTED IN ACCORDANCE WITH GENERALLY RECOMMENDED AND ACCEPTED PLANTING AND GROWING PRACTICES.
- THE OWNER OF THE PROPERTY AND ANY TENANT ON THE PROPERTY WHERE LANDSCAPING IS REQUIRED SHALL BE JOINTLY AND SEVERALLY RESPONSIBLE FOR ITS MAINTENANCE. SUCH MAINTENANCE SHALL INCLUDE ALL ACTIONS NECESSARY TO KEEP THE LANDSCAPED AREAS FREE OF LITTER AND DEBRIS; TO KEEP PLANTINGS HEALTHY; TO KEEP GROWTH FROM INTERFERING WITH SAFE VEHICULAR OR PEDESTRIAN TRAVEL OR USE OF PARKING AREAS, OR FROM CREATING ANY NUISANCE TO ADJOINING PROPERTIES.
- ANY VEGETATION THAT CONSTITUTES REQUIRED LANDSCAPING SHALL BE REPLACED IN THE EVENT THAT IT DIES OR IS DAMAGED. ALL LANDSCAPING MATERIALS SHALL BE PROTECTED FROM DAMAGE BY EROSION, MOTOR VEHICLES OR PEDESTRIANS.



**SCM #1: WET POND NOTES:**

- ON THE DAM AND DAM EMBANKMENT SLOPES, TURF GRASS PROVIDES STABILITY AND ENHANCES ACCESS TO THE FACILITY FOR MAINTENANCE. DEQ RECOMMENDS PERENNIAL GRASSES SUCH AS HYBRID BERMUDA OR CENTPEDE IN THE COASTAL PLAIN AND PIEDMONT, AND COOL SEASON TURF GRASS SUCH AS FESCUE AND BLUEGRASS IN THE MOUNTAINS. WEEPING LOVE GRASS IS NOT ALLOWED BECAUSE IT DOES NOT PROVIDE LONG-TERM SLOPE STABILIZATION.
- THE DAM STRUCTURE, INCLUDING FRONT AND BACK EMBANKMENT SLOPES, OF THE POND SHALL BE VEGETATED WITH NON-CUMULATING TURF GRASS; TREES AND SHRUBS SHALL NOT BE ALLOWED.
- THE VEGETATED SHELF SHALL BE PLANTED WITH A MINIMUM OF (3) DIVERSE SPECIES OF HERBACEOUS, NATIVE VEGETATION AT A MINIMUM DENSITY OF 50 PLANTS PER 200 SQUARE FEET OF SHELF AREA.

**WET POND - SCM #1**

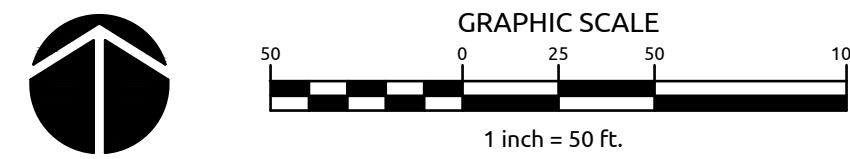
| KEY  | QTY | BOTANICAL NAME      | COMMON NAME        | ROOT  | SIZE              | NOTES                             |
|--|-----|---------------------|--------------------|-------|-------------------|-----------------------------------|
| <b>SHALLOW LAND = 1254 SF SF W/ 50 HERB. PLANTS/200 SF = 316</b> |     |                     |                    |       |                   |                                   |
| AAM  | 79  | Aconis americanus   | Sw eeflag          | CONT. | 2.25' PLUG (32'S) | MIN. 24" O.C. 25% SHARED COVERAGE |
| AIN  | 79  | Asclepias incarnata | Butterfly Milkweed | CONT. | 2.25' PLUG (32'S) | MIN. 24" O.C. 25% SHARED COVERAGE |
| JNE  | 79  | Juncus effusus      | Soft Rush          | CONT. | 2.25' PLUG (32'S) | MIN. 24" O.C. 25% SHARED COVERAGE |
| EDU  | 79  | Eupatorium dubius   | Dwarf Joe Pye Weed | CONT. | 2.25' PLUG (32'S) | MIN. 24" O.C. 25% SHARED COVERAGE |
| <b>SHALLOW WATER 1196 SF W/ 50 HERB. PLANTS/200 SF = 300</b>     |     |                     |                    |       |                   |                                   |
| AAM  | 75  | Aconis americanus   | Sw eeflag          | CONT. | 2.25' PLUG (32'S) | MIN. 24" O.C. 25% SHARED COVERAGE |
| CFL  | 75  | Canna flaccida      | Yellow Canna       | CONT. | 2.25' PLUG (32'S) | MIN. 24" O.C. 25% SHARED COVERAGE |
| IVI  | 75  | Iris virginica      | Iris               | CONT. | 2.25' PLUG (32'S) | MIN. 24" O.C. 25% SHARED COVERAGE |
| JNE  | 75  | Juncus effusus      | Soft Rush          | CONT. | 2.25' PLUG (32'S) | MIN. 24" O.C. 25% SHARED COVERAGE |

Note: 'Shared coverage' means that the species will be evenly interspersed on their designated shelf across a single 24" OC square grid.

| "NUMBER OF PLANTS PER 100 S.F. |         |             |  |
|--------------------------------|---------|-------------|--|
| SPACING "D"                    | ROW "A" | PLANTS/S.F. |  |
| 6" o.c.                        | 5.2'    | 4.61        |  |
| 8" o.c.                        | 6.93'   | 2.60        |  |
| 10" o.c.                       | 8.66'   | 1.66        |  |
| 12" o.c.                       | 10.4'   | 1.15        |  |
| 15" o.c.                       | 13.0'   | 0.73        |  |
| 18" o.c.                       | 15.6'   | 0.51        |  |
| 24" o.c.                       | 20.8'   | 0.29        |  |
| 30" o.c.                       | 26.0'   | 0.19        |  |
| 36" o.c.                       | 31.30'  | 0.12        |  |
| 4" o.c.                        | 3.45'   | 7.25        |  |
| 5" o.c.                        | 4.33'   | 4.61        |  |
| 6" o.c.                        | 5.2'    | 3.20        |  |
| 8" o.c.                        | 6.93'   | 1.80        |  |
| 10" o.c.                       | 8.66'   | 1.16        |  |

**PLANT SPACING CHART**

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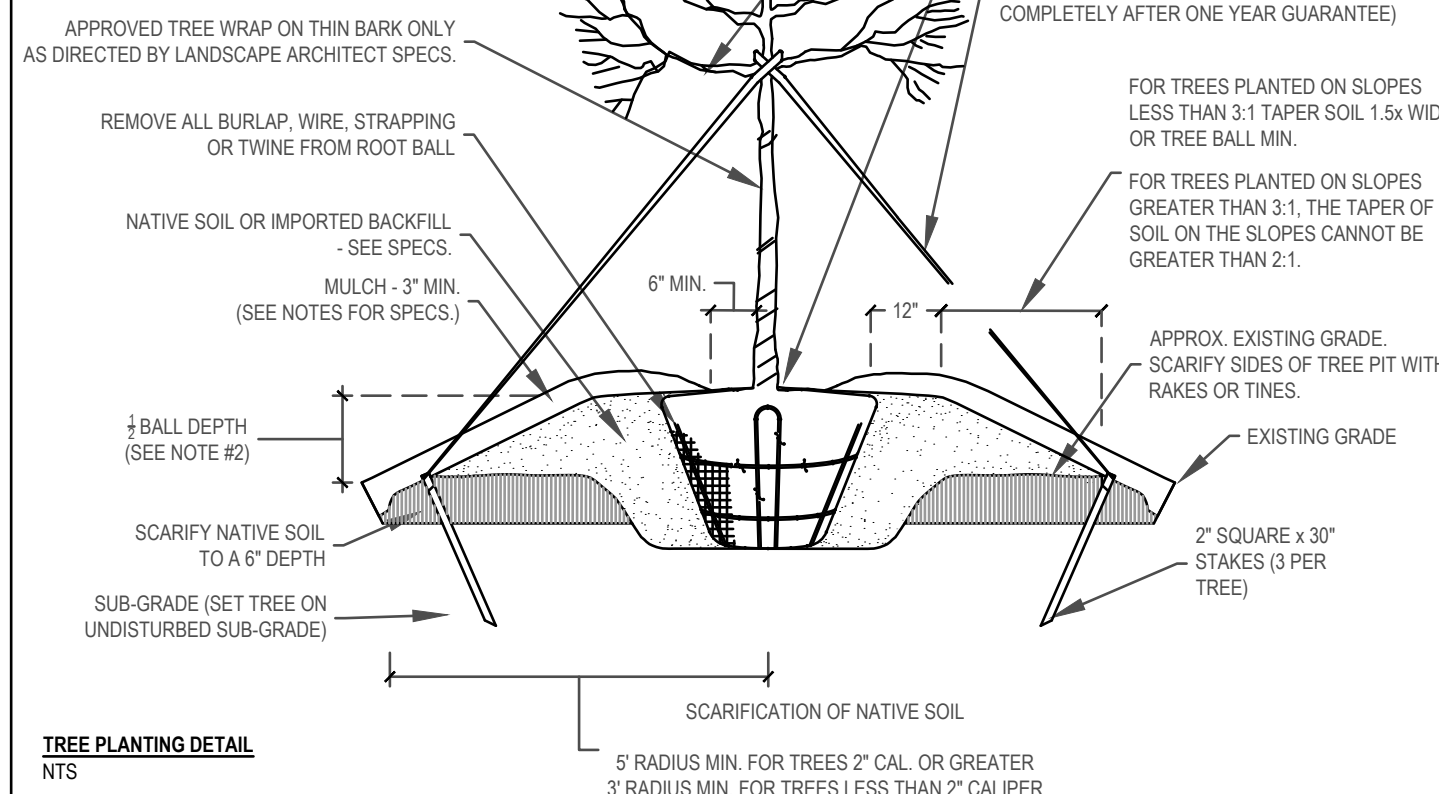


SHALLOW LAND VEGETATIVE SHELF

SHALLOW WATER VEGETATIVE SHELF

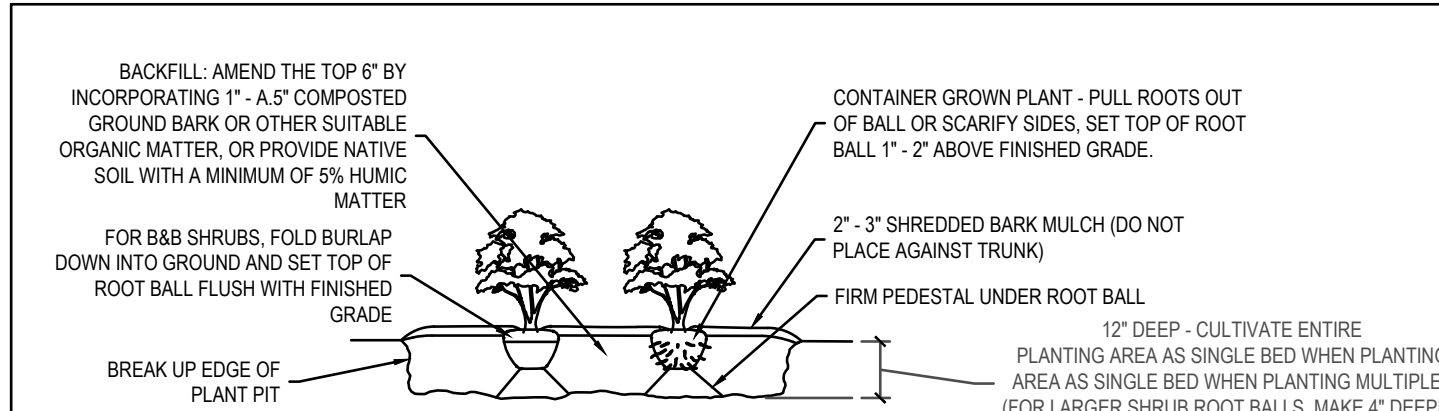
**TREE PLANTING NOTES:**

- IF TREES SETTLE OR ARE BLOWN OUT OF PLUMB POSITION, THEY SHOULD BE STRAIGHTENED BY MAKING ADJUSTMENTS TO THE POSITION OF THE ROOT BALL - NOT BY PUSHING ON THE TRUNK AND/OR TIGHTENING THE GUY WIRE. TREES SHALL BE STRAIGHTENED DURING THE LIFE OF THE PROJECT AS THEY SET OUT OF PLUMB, NOT JUST AT THE END OF THE PROJECT.
- BALL DEPTHS ON SOME TREES IN A SINGLE GROUP MAY VARY. IN GENERAL, 1/3 THE BALL SHOULD BE ABOVE GRADE. IF DEPTHS VARY, ALL TREES IN A GROUP SHOULD BE SET SO THAT THE BASE OF THE TRUNK WILL APPEAR TO BE AT THE SAME RELATIVE ELEVATION ABOVE GRADE.
- NO DECIDUOUS OR EVERGREEN TREES WILL BE ACCEPTED IF THERE IS MORE THAN ONE LEADER, UNLESS THE TREE IS SPECIFIED AS MULTI-TRUNK. CONTRACTOR TO VERIFY THAT ADEQUATE DRAINAGE EXISTS PRIOR TO PLANTING.
- STAKE AND GUY TREES 3" CALIPER AND LARGER.



**TREE PLANTING DETAIL**

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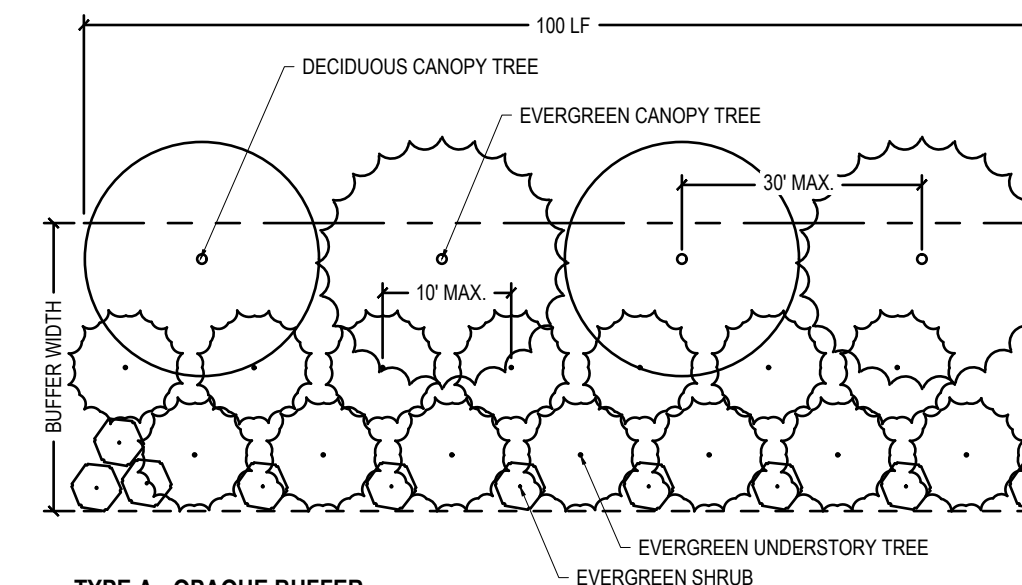


**SHRUB PLANTING DETAIL**

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**NOTES:**

- ALL SHRUBS SHALL CONFORM TO THE STANDARDS SET FORTH IN THE MOST RECENT EDITION (2004 OR LATER) OF AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (A.N.L.A.).
- SOIL ANALYSIS SHALL BE OBTAINED PRIOR TO PLANTING. SOIL SHALL BE AMENDED AS RECOMMENDED.
- SHEET PREPARATION OF BEDS IS HIGHLY PREFERRED TO INDIVIDUALLY DUG HOLES.



**TYPE A - OPAQUE BUFFER**

NOT TO SCALE

THIS BUFFER DETAIL PROVIDES SUPPLEMENTAL PLANTING INSTRUCTIONS ONLY, AS IF NO EXISTING VEGETATION WERE PRESENT. EXISTING VEGETATION IN THE BUFFERS ON THIS SITE IS TO BE PRESERVED AND APPLIED TOWARDS THE BUFFER REQUIREMENTS

**TYPE A BUFFER INTENT:** FORMATION OF AN OPAQUE SCREEN FROM THE GROUND TO A HEIGHT OF AT LEAST 15'

**MINIMUM PLANTING REQUIREMENTS**

- CANOPY TREES**
  - MINIMUM 4 CANOPY TREES PER 100 LF
  - 50% OF ALL NEW CANOPY TREES SHALL BE EVERGREEN
  - MATURE HEIGHT = 30'
  - DECIDUOUS TREES INSTALLED SIZE = 2.5" CAL.
  - EVERGREEN TREES INSTALLED SIZE = 2.0" CAL.
- UNDERSTORY TREES**
  - MINIMUM 14 UNDERSTORY TREES PER 100 LF FOR BUFFER WIDTH 30' OR MORE, (MINIMUM 7 PER 100 LF FOR BUFFER WIDTH LESS THAN 30')
  - 100% OF ALL NEW UNDERSTORY TREES SHALL BE EVERGREEN
  - MATURE HEIGHT = 15'
  - INSTALLED SIZE = 1.25" CAL.
- SHRUBS / ORNAMENTAL GRASSES**
  - INSTALLED AT A DENSITY OF 10 SHRUBS / ORNAMENTAL GRASSES PER 100 LF FOR BUFFER WIDTH OF 30' OR MORE
  - MATURE HEIGHT = 3'
  - INSTALLED SHRUB SIZE = 18" MIN.
  - INSTALLED GRASS SIZE = 12" MIN.

|         |             |          |    |
|---------|-------------|----------|----|
| Job No. | 02190747.00 | Drawn By | WR |
| Date    | 7/17/2020   | Designer | WR |



| Revisions |
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