

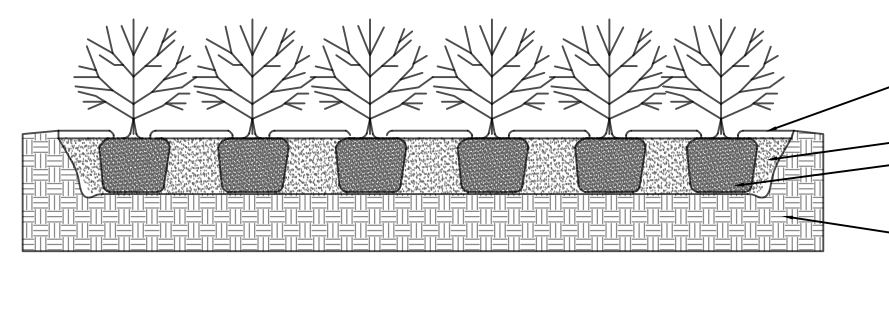
MATCH LINE - SEE SHEET L2.0
 MATCH LINE - SEE SHEET L2.1

CHATHAM COUNTY SCHOOLS CENTRAL SERVICES

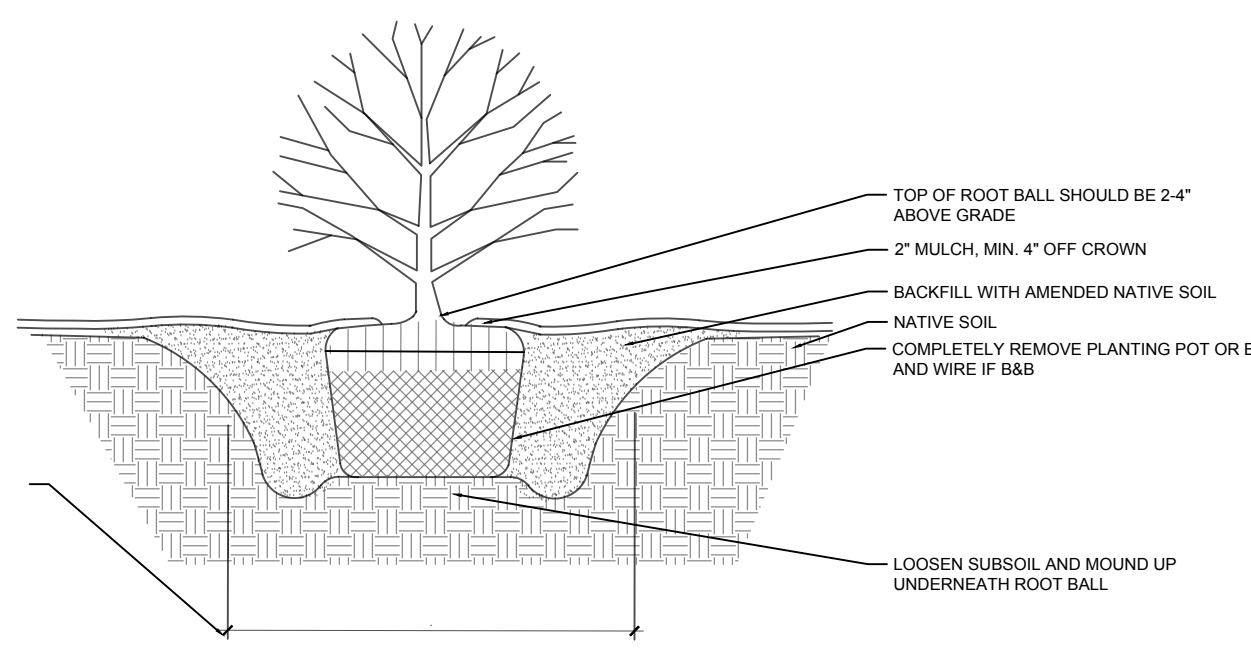
BLDG. = 37,186
FF: 472'

BAFFLES
TEMPORARY
SEDIMENT
BASIN

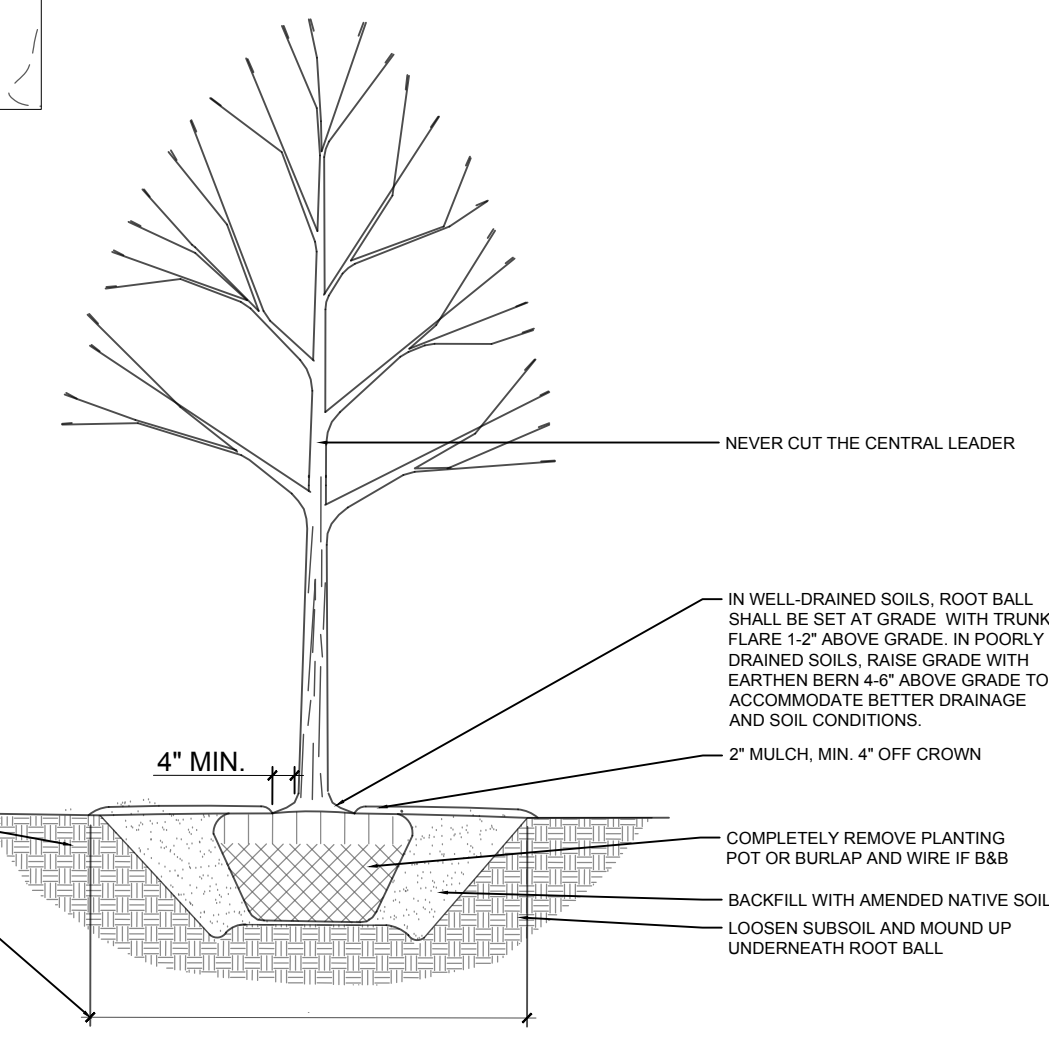
STORM WATER
BASIN



1 PERENNIAL OR GRASS PLANTING
SCALE: 1"=4"



2 SHRUB PLANTING
SCALE: 1"=4"



3 TREE PLANTING
SCALE: 1"=4"

PLANTING PLAN NOTES

1. All plant material to comply with American Standard for Nursery Stock (ANSI z60)
2. Contractor engaged in landscape implementation shall be a landscape contractor registered in the state of North Carolina. Substitutions of plant materials specified can only occur with prior approval by landscape architect.
3. Trees to be planted a maximum of 30' from right of way
4. All new trees to have a 5' diameter shredded hardwood mulch run at 4" deep unless otherwise noted or located in a plant bed per site plan.
5. Landscape contractor to guarantee plant materials for one year period following substantial completion.
6. Areas damaged by landscape contractor to be repaired to pre-construction condition at no additional cost to the owner.
7. The standards for all trees and shrubs planted within buffers or as part of any landscaping, including the minimum height, root ball size, number of branches, and width shall conform with the American Standard for Nursery Stock published by the American Association of Nurserymen for that type of tree or shrub at the time of installation. The selection and planting of trees and shrubs shall conform to the standards set forth in the Town of Apex planting standards. Plants must meet the following sizes:
 - 8.1. Large deciduous trees shall be at least 12 feet tall and 2 1/2 inches caliper at the time of planting, and shall have an expected mature height of at least 30 feet.
 - 8.2. Large evergreen trees shall be at least 8 feet tall and 2 1/2 inches caliper at the time of planting, and shall have an expected mature height of at least 30 feet.
 - 8.3. Small ornamental or under-story trees shall be at least 8 feet tall and at least 1 1/2 inches caliper at the time of planting, and shall have an expected mature height of at least 18 feet.
 - 8.4. Grass shall be planted in species normally grown as permanent lawns in the Town and region. In swales or other areas subject to erosion, solid sod, erosion-reducing net, or suitable mulch shall be used and rye-grass seed shall be sown for immediate protection until complete coverage otherwise is achieved. Grass sod shall be free and clean of weeds and noxious pests or diseases. Ground cover shall be planted in such a manner as to provide 75% complete coverage after two growing seasons.
9. Any tree with a caliper of at least 6 inches that is damaged or removed shall be replaced with one or more trees that have a caliper of at least 2 1/2 inches and a cumulative caliper equal to or greater than the original tree.
10. Installation Requirements for Non-Residential Development and Multi-Family Development:
 - 10.1. Large trees shall be no closer than 20 feet from any structure with at least 350 square feet of non-paved area around the trunk, and small trees shall be no closer than 10 feet from any structure with at least 250 square feet of non-paved area around the trunk.
 - 10.2. Planting beds may contain a combination of living plant materials and mulch. However, living plant materials shall comprise no less than 50 percent of the required planting beds.
 - 10.3. Plant materials shall be located in close proximity to the building and shall enhance views from public streets and sidewalks.

PLANT QUANTITY CALCULATIONS

- PROJECT BOUNDARY SCREENINGS**
 Proposed Land Use: O1, Institutional
 Adjacent Land Use: O1, Institutional
 Existing Land Use Classification: 3
 Proposed Land Use Classification: 3
 Type B 20' Buffer provided between street and parking area to meet across the street buffer requirements. All other buffers N/A as adjacent to O1 uses.
- PLANTING REQUIREMENTS FOR STREET LANDSCAPING**
 - 565 L.F. of street frontage on Renaissance Road
 - 14 large trees at 40OC provided
- PLANTING REQUIREMENTS FOR PARKING AREAS:**
 Minimum 50% shade coverage on vehicle use areas.
 Parking spaces: 178
 Provided material: 71 shade trees



222 cloister court
 chapel hill, nc
 27514
 919.401.8586
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 919.403.1311
 www.tributarync.com



Central Services Building
 Chatham County Schools
 369 West Street
 Pittsboro, North Carolina 27312

no.	revisions

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OVERALL PLAN

sheet

L1.0

project no. 1900

date 7/10/20

E: 7/21/2016 9:58

- (6) Quercus shumardii
- (14) Quercus phellos

- (8) Quercus bicolor
- (204) Panicum virgatum 'Shenandoah'
- (47) Juniperus virginiana 'Grey Owl'

- (9) Magnolia grandiflora

- (4) Pinus palustris
- Seed with Clover/ Native Grass Seed
- (28) Rhus aromatica
- Plantings to meet 20' W TYPE B Buffer
- CLOVER NATIVE GRASS SEED MIX

- (10) Quercus shumardii
- (12) Myrica cerifera

- (1) Magnolia grandiflora

- (4) Rhus glabra

- MMF Pollinator Mix

- CLOVER NATIVE GRASS SEED MIX

- (4) Quercus shumardii

- (1) Quercus bicolor

- (12) Rhododendron catawbiense

- (64) Cares PA;
- (32) POLYSTICHUM ACHRISTICHOIDES

- (10) Hydrangaea quercifolia
- (20) Ilex vomitoria 'Nana'
- (19) Aster macrophyllus 'Twilight'
- (6) Physocarpus 'Summer Wine'

BLDG. = 37,186
FF: 472'

CHATHAM
CENTRAL SERVICES BUILDING

- (4) Cercis canadensis 'Forest Pansy'

- (4) Liriodendron tulipifera

- (29) Ilex vomitoria 'Nana'

- (9) Physocarpus 'Summer Wine'

- (18) Hydrangaea quercifolia

- (31) Aster macrophyllus 'Twilight'

- (2) Magnolia X Soulangiana

- Clover Native Lawn Grass Seed

- (16) Rhus aromatica

- (8) Liriodendron tulipifera

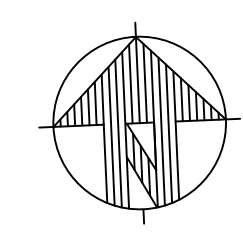
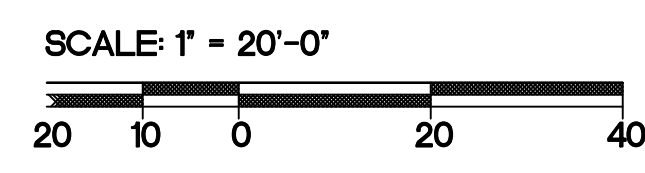
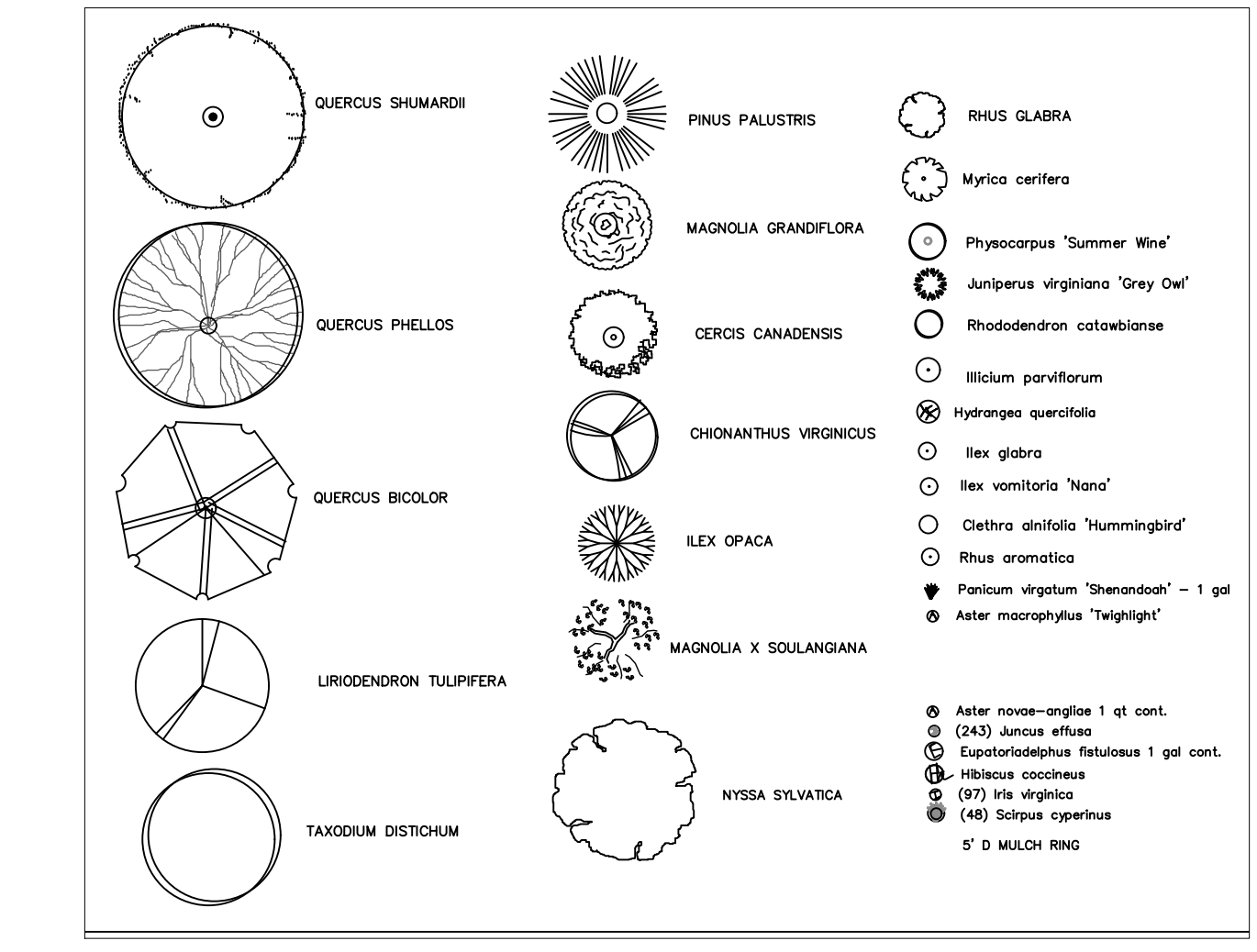
- (4) Quercus phellos

- (2) Pinus palustris

PLANT SCHEDULE

Qty	Botanical Name	Common Name	Size	Container	Notes
LARGE DECIDUOUS TREES					
12	Quercus bicolor	Swamp White Oak	2 1/2" cal.	B&B	Single Stem, Min. 12' Tall
28	Quercus shumardii	Shumard Oak	2 1/2" cal.	B&B	Single Stem, Min. 12' Tall
19	Liriodendron tulipifera	Tulip Poplar	2 1/2" cal.	B&B	Single Stem, Min. 12' Tall
23	Quercus phellos	Willow Oak	2 1/2" cal.	B&B	Single Stem, Min. 12' Tall
LARGE EVERGREEN TREES					
2	Ilex opaca	American Holly	2 1/2" cal.	B&B	Full, Heavy, Min. 8' Tall
13	Magnolia grandiflora	Southern Magnolia	2 1/2" cal.	B&B	Full, Heavy, Min. 8' Tall
8	Pinus palustris	Longleaf Pine	2 1/2" cal.	B&B	Full, Heavy, Min. 8' Tall
UNDERSTORY TREES					
17	Cercis canadensis 'Forest Pansy'	Forest Pansy Eastern Redbud	1 1/2" cal.	B&B	Single Stem, Min. 8' Tall
5	Magnolia x soulangia	Saucer Magnolia	1 1/2" cal.	B&B	Full, Heavy, Min. 8' Tall
SHRUBS					
3	Clethra alnifolia 'Hummingbird'	Summersweet	3 gal.		Healthy Root Ball, Min. 30" Tall
20	Caprifoliaceae ssp. americana	Butterflybush	3 gal.		Healthy Root Ball, Min. 30" Tall
45	Hydrangaea quercifolia	Oakleaf Hydrangea	3 gal.		Healthy Root Ball, Min. 30" Tall
98	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	3 gal.		Healthy Root Ball, Min. 30" Tall
11	Ilicium parviflorum	Hardy Anise Shrub	5 gal.		Healthy Root Ball, Min. 30" Tall
47	Juniperus virginiana 'Grey Owl'	Grey Owl Juniper	3 gal.		Healthy Root Ball, Min. 30" Tall
19	Myrica cerifera	Wax Myrtle	5 gal.		Healthy Root Ball, Min. 30" Tall
17	Physocarpus 'Summer Wine'	Summer Wine ninebark	3 gal.		Healthy Root Ball, Min. 30" Tall
44	Rhus aromatica	Fragrant sumac	3 gal.		Healthy Root Ball, Min. 30" Tall
11	Rhus glabra	Smooth Sumac	3 gal.		Healthy Root Ball, Min. 30" Tall
29	Rhododendron catawbiense	Rhododendron	3 gal.		Healthy Root Ball, Min. 30" Tall
GRASSES AND PERENNIALS					
78	Aster macrophyllus 'Twilight'	aster	1 gal.		
184	Carex pensylvanica	Pennsylvania Carex	1 gal.		
235	Panicum virgatum 'Shenandoah'	Shenandoah panic grass	1 gal.		
32	Polystichum acrostichoides	Christmas Fern	1 gal.		
SEED MIX					
5	Clover Mix/Native Grass		1 lb		Dry, Viable, Weed seed free
105	Native Pollinator Seed Mix		1 lb		Dry, Viable, Weed seed free
WET POND EDGE					
94	Hibiscus coccineus	Swamp Mallow	1 gal.		
57	Iris virginicus	Virginia Iris	1 gal.		
64	Eupatorium fistulosum	Trumpetweed	1 gal.		
1000	Juncus effusus	Rush	1 gal.		
180	Scirpus cyperinus	Wool Grass	1 gal.		

PLANT KEY



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PLANTING PLAN

sheet

L2.0

project no. 1900

date 7/10/20



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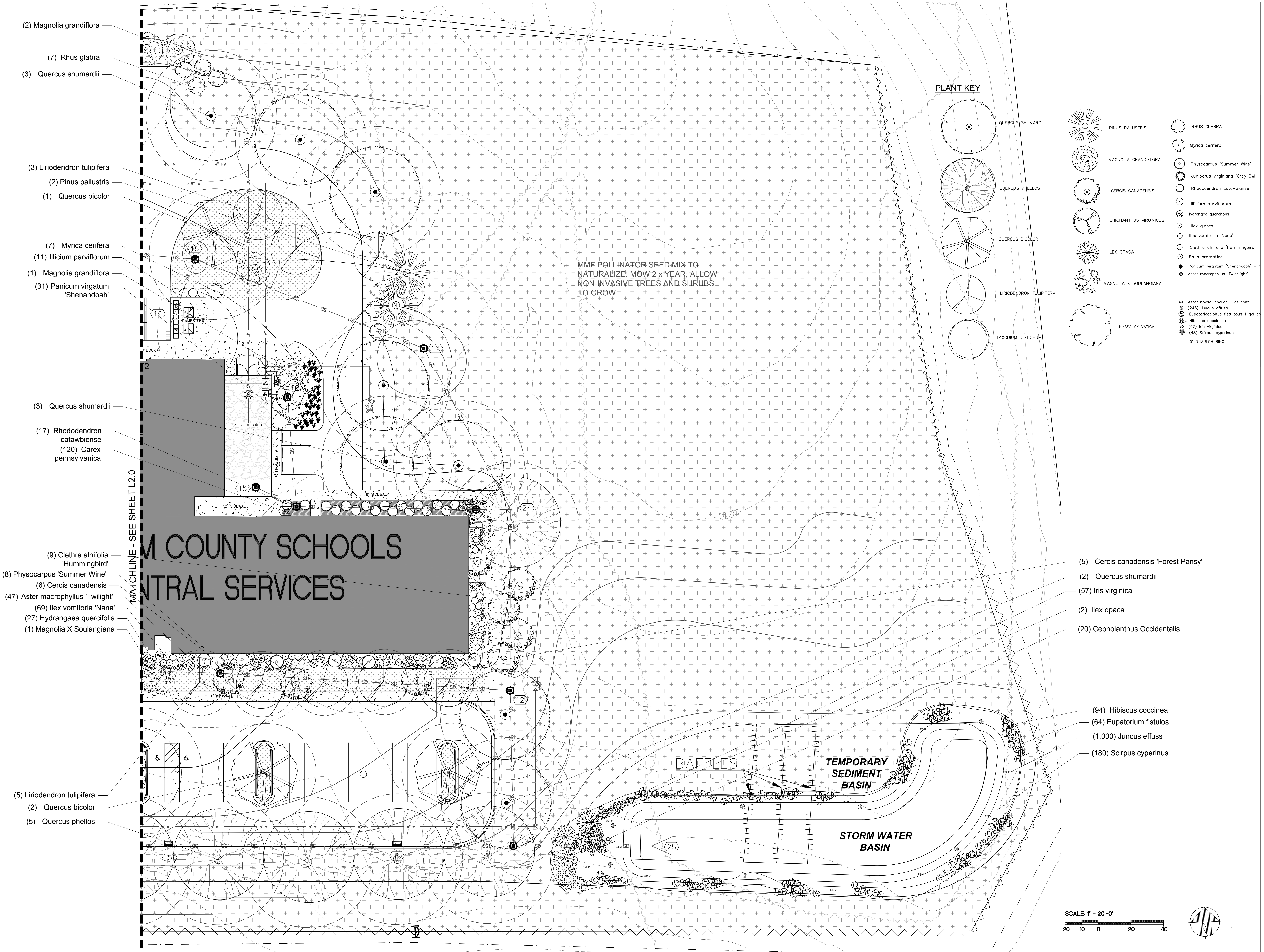
PLANTING PLAN

sheet

L2.1

project no. 1900

date 7/10/20



MMF POLLINATOR SEED MIX TO NATURALIZE. MOW 2 x YEAR; ALLOW NON-INVASIVE TREES AND SHRUBS TO GROW

PLANT KEY

- QUERCUS SHUMARDII
- PINUS PALUSTRIS
- RHUS GLABRA
- MAGNOLIA GRANDIFLORA
- CERCIS CANADENSIS
- CHIONANTHUS VIRGINICUS
- ILEX OPACA
- MAGNOLIA X SOULANGIANA
- NYSSA SYLVATICA
- QUERCUS PHELLOS
- QUERCUS BICOLOR
- LIRIODENDRON TULPIFERA
- TAXODIUM DISTICHUM
- Physocarpus 'Summer Wine'
- Juniperus virginiana 'Grey Owl'
- Rhododendron catawbiense
- Illicium parviflorum
- Hydrangea quercifolia
- Ilex glabra
- Ilex vomitoria 'Nana'
- Clethra alnifolia 'Hummingbird'
- Rhus aromatica
- Panicum virgatum 'Shenandoah'
- Aster macrophyllus 'Twilight'
- Aster novae-angliae 1 qt. cont.
- (243) Juncus effusus
- Eupatoriadelphus fistulosus 1 gal. cont.
- Hibiscus coccineus
- (97) Iris virginica
- (48) Scirpus cyperinus
- 5' D MULCH RING

- (2) Magnolia grandiflora
- (7) Rhus glabra
- (3) Quercus shumardii
- (3) Liriodendron tulipifera
- (2) Pinus palustris
- (1) Quercus bicolor
- (7) Myrica cerifera
- (11) Illicium parviflorum
- (1) Magnolia grandiflora
- (31) Panicum virgatum 'Shenandoah'
- (3) Quercus shumardii
- (17) Rhododendron catawbiense
- (120) Carex pennsylvanica
- (9) Clethra alnifolia 'Hummingbird'
- (8) Physocarpus 'Summer Wine'
- (6) Cercis canadensis
- (47) Aster macrophyllus 'Twilight'
- (69) Ilex vomitoria 'Nana'
- (27) Hydrangea quercifolia
- (1) Magnolia X Soulangiana
- (5) Liriodendron tulipifera
- (2) Quercus bicolor
- (5) Quercus phellos
- (5) Cercis canadensis 'Forest Pansy'
- (2) Quercus shumardii
- (57) Iris virginica
- (2) Ilex opaca
- (20) Cephalanthus Occidentalis
- (94) Hibiscus coccinea
- (64) Eupatorium fistulosus
- (1,000) Juncus effusus
- (180) Scirpus cyperinus

