

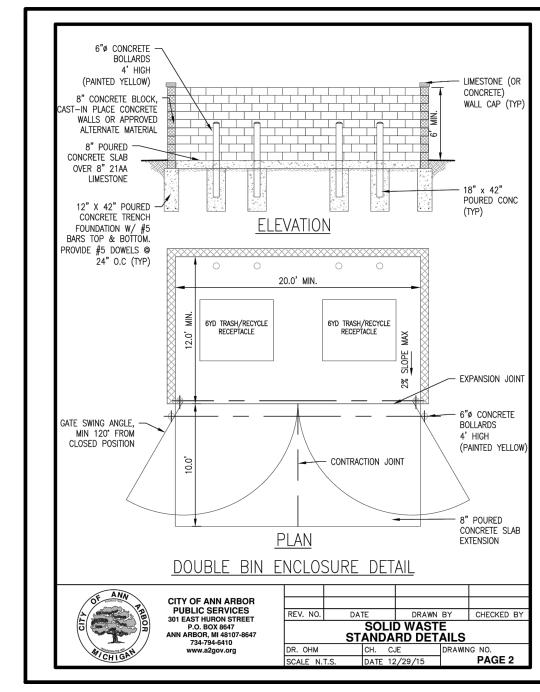
STORM LIFT STATION
Wet Well/Pump DETAILS

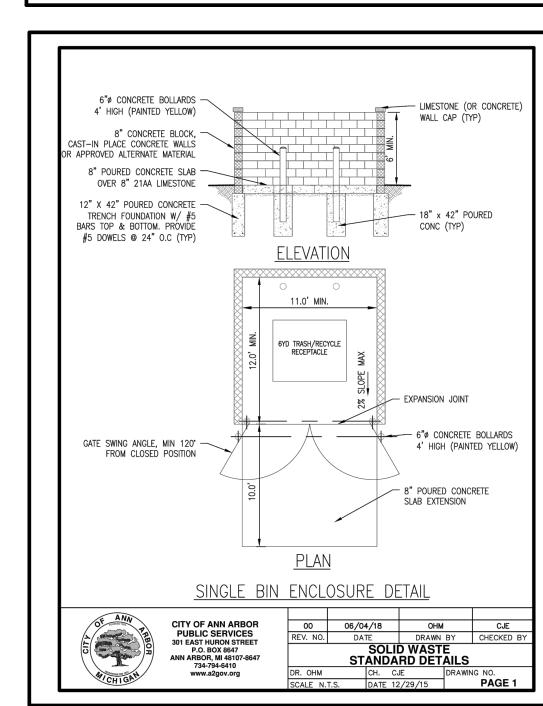
(OULET STRUCTURE)

DESCRIPTION

A START

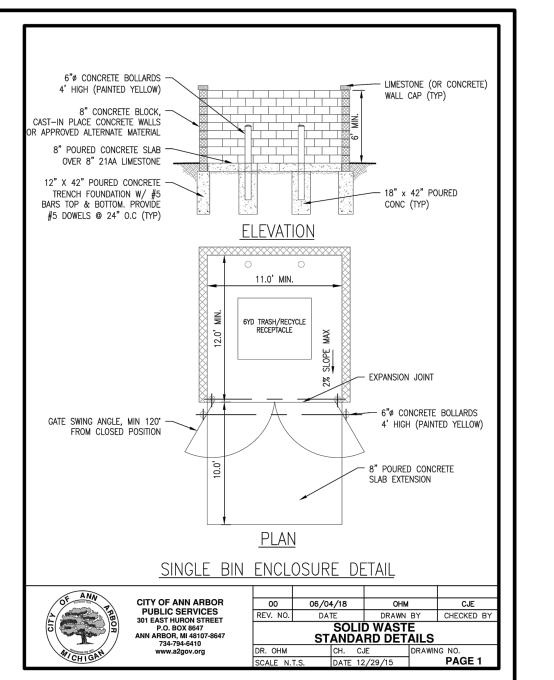
01/30/18

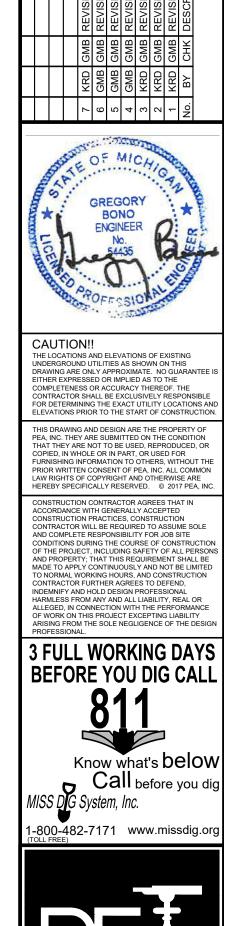




Storm PUMP STA.

JETT P&V STPS





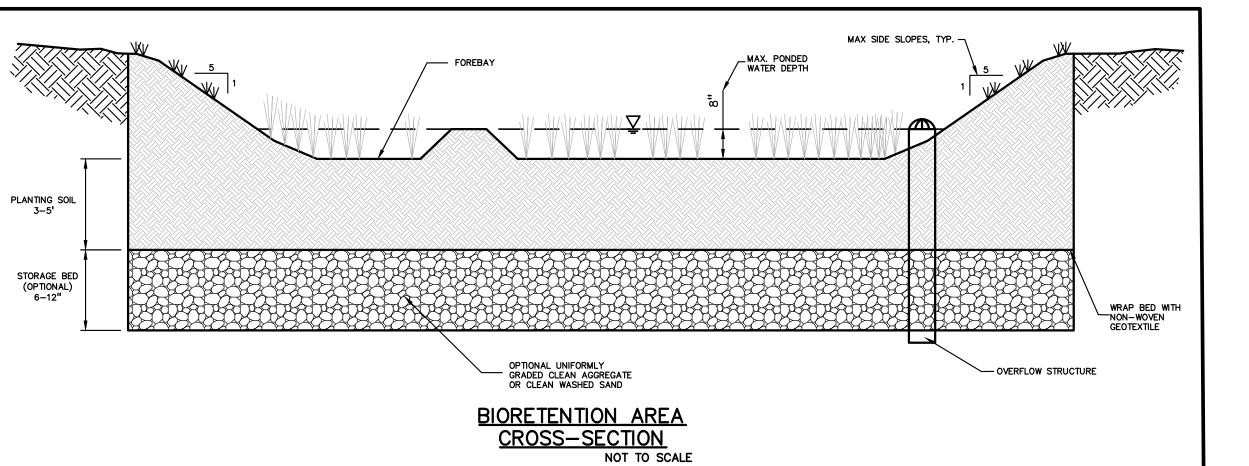
PEA, Inc. 2430 Rochester Ct., Ste. 100 Troy, MI 48083-1872 t: 248.689.9090 f: 248.689.1044

www.peainc.com GROUP

ORIGINAL ISSUE DATE: JANUARY 31, 2019 PEA JOB NO. 2017-435

C-8.1

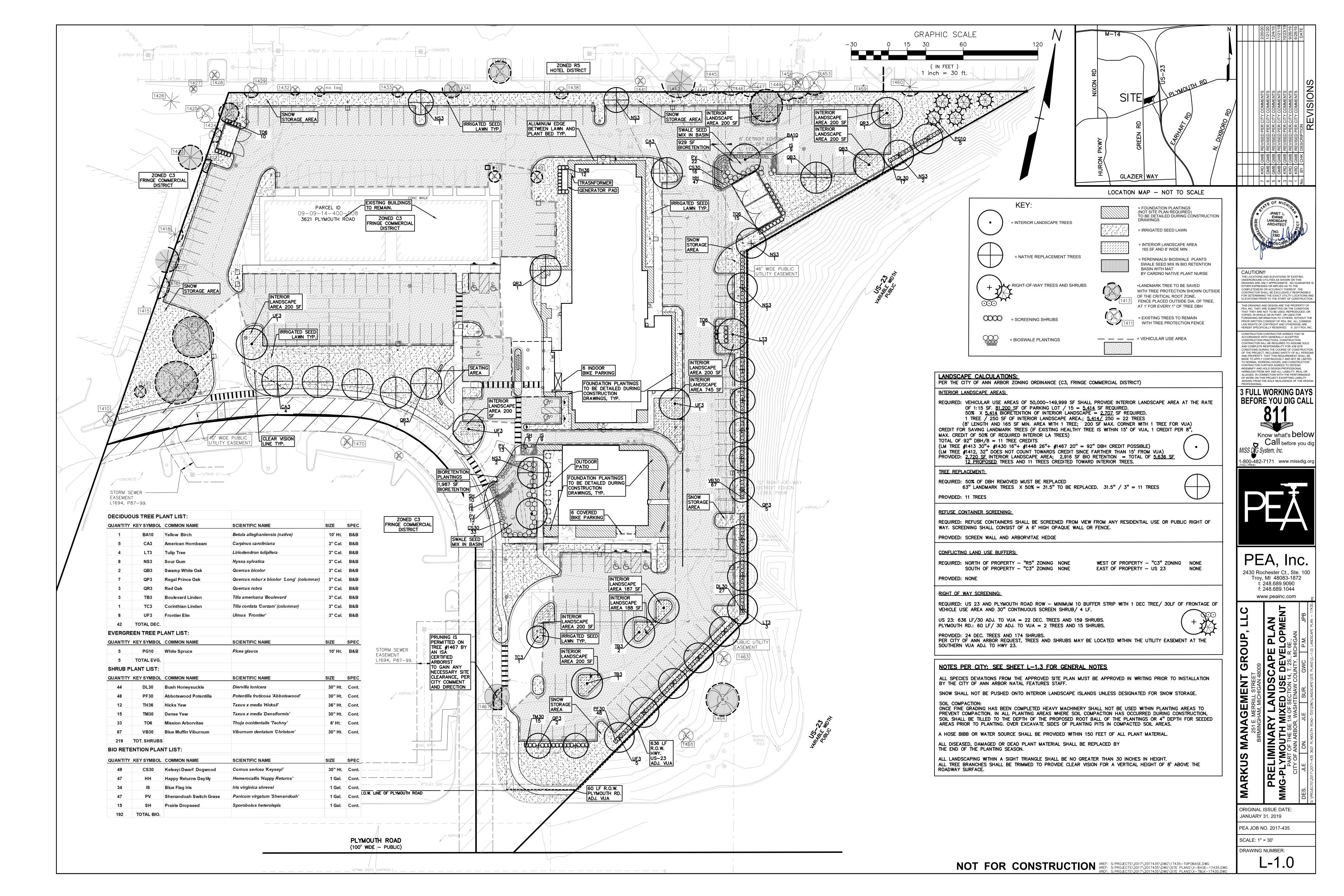
NOTE:
COORD. W/ LANDSCAPE PLANS FOR SOIL/PLANTING REQUIREMENTS. CONCRETE BASE BIOSWALE OVERFLOW STRUCTURE DETAIL NOT TO SCALE

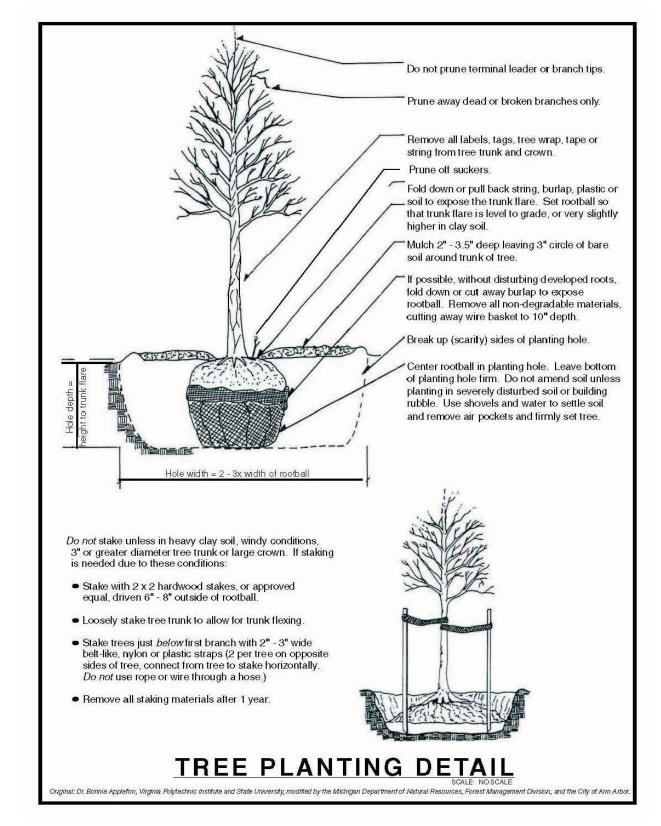


JETT PUMP & Valve, L.L.C.

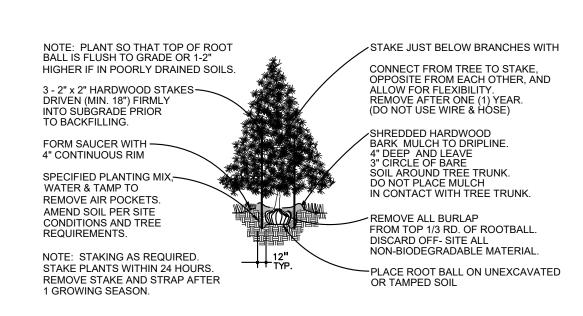
Waterford, MI 48328 Phone: 248-673-2530

4770 Pontiac Lk Rd



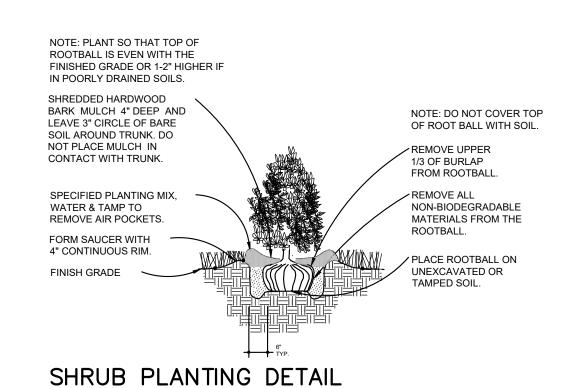


DECIDUOUS TREE PLANTING DETAIL



EVERGREEN TREE PLANTING DETAIL

NOT TO SCALE



GENERAL PLANTING NOTES:

- 1. Landscape contractor shall visit site, inspect existing site conditions and review proposed planting and related work. In case of discrepancy between plan and plant list, plan shall govern quantities. Contact Landscape Architect with any concerns.
- 2. Contractor shall verify locations of all on site utilities prior to beginning construction on his/her phase of work. Electric, gas, telephone, cable television may be located by calling MISS DIG 1-800-482-7171. Any damage or interruption of services shall be the responsibility of Contractor. Contractor shall coordinate all related activities with other trades on the job and shall report any unacceptable job conditions to Owner's Representative prior to commencing.
- 3. All plant material to be premium grade nursery stock and shall satisfy American Association of Nurserymen standard for Nursery Stock. All landscape material shall be Northern Grown, No. 1. Grade.
- 4. Contractor is responsible for verifying all quantities shown on landscape plan prior to pricing the work.
- 5. The owner's representative reserves the right to reject any plant material not meeting specifications.
- 6. All single stem shade trees to have straight trunks and symmetrical crowns.
- 7. All single trunk shade trees to have a central leader; trees with forked or irregular trunks will not be accepted.
- 8. All multi stem trees shall be heavily branched and have symmetrical crowns. One sided trees or those with thin or open crowns shall not be accepted.
- 9. All evergreen trees shall be heavily branched and full to the ground, symmetrical in shape and not sheared for the last five growing seasons.
- 10. All trees to have clay or clay loam balls, trees with sand balls Will Be Rejected.
- 11. No machinery is to be used within the drip line of existing trees; Hand grade all lawn areas within the drip line of existing trees.
- 12. All tree locations shall be staked by Landscape Contractor and are subject to the approval of the landscape Architect prior to installation of the plant material.
- 13. It is mandatory that positive drainage is provided away from all buildings.
- 14. All planting beds shall receive 4" shredded hardwood bark mulch, see specifications. Shredded palette and dyed mulch will not be accepted.
- 15. All landscaped areas shall receive 3" compacted topsoil.
- 16. Applications of fertilizer beyond the initial topsoil and seeding shall be a fertilizer with <u>NO phosphorus.</u>
- 17. Maintenance: All plant material shall be maintained in good condition by mowing, watering, mulch, etc., so as to present a healthy neat and orderly appearance free from refuse and debris.

 All diseased, damaged or dead material shown on the site plan shall be replaced by the end of the following growing season Per City of Ann Arbor city code, as a continuing obligation for the duration of the site

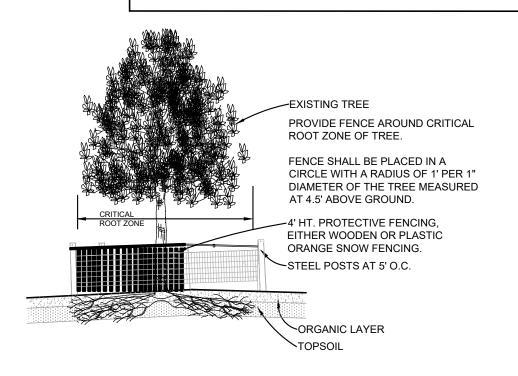
Planting mixture Type A — trees: standard planting backfill shall be a mixture of ½ native soil (excavated from plant pits), ½ topsoil, and ½ sand. Add fertilizer Type "A" and B" to planting mixture per manufacturer's requirements. Follow planting details.

Planting mixture Type B for perennial flowers, groundcover beds, and ericaceous plants: planting backfill shall be a mixture of 1/3 screened topsoil, 1/3 sand and 1/3 peat. Al existing soil shall be excavated and removed. Adding fertilizer types "A" and "B" to mixture per manufacturer's requirements. Follow planting details. Planting mixture Type C for annual flower beds: same as Type "B". Submit a sample to the Landscape Architect for approval prior to installation.

TREE PROTECTION NOTES:

- TREE PROTECTION WILL BE ERECTED PRIOR TO START OF CONSTRUCTION ACTIVITIES AND SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
- NO PERSON MAY CONDUCT ANY ACTIVITY WITHIN THE DRIP LINE OF ANY TREE
 DESIGNATED TO REMAIN; INCLUDING, BUT NOT LIMITED TO PLACING SOLVENTS,
 BUILDING MATERIAL, CONSTRUCTION EQUIPMENT, OR SOIL DEPOSITS WITHIN DRIP LINES.
- GRADE CHANGES MAY NOT OCCUR WITHIN THE DRIP LINE OF PROTECTED TREES.

 DURING CONSTRUCTION, NO PERSON SHALL ATTACH ANY DEVICE OR WIRE TO ANY DEVIANDING TREES.
- * ALL UTILITY SERVICE REQUESTS MUST INCLUDE NOTIFICATION TO THE INSTALLER THAT PROTECTED TREES MUST BE AVOIDED. ALL TRENCHING SHALL OCCUR OUTSIDE OF THE PROTECTIVE FENCING.
- TREES LOCATED ON ADJACENT PROPERTY THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES MUST BE PROTECTED.
- * TREES TO BE PRESERVED SHALL BE IDENTIFIED WITH FLAGGING PRIOR TO THE TREE CLEARING OPERATIONS.



TREE PROTECTION DETAIL

7 KRD GMB REVISED PER CITY COMMENTS
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> ELOPMENT S. 6E., C. HIGAN

ANAGEMENT GROUP,
251 E. MERRILL STREET
RMINGHAM, MICHIGAN 48009

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ORIGINAL ISSUE DATE:
JANUARY 31, 2019

PEA JOB NO. 2017-435 SCALE: N.T.S.

DRAWING NUMBER:

NOT FOR CONSTRUCTION XREF: S: PROJECTS\2017\2017435\DWG\17435-TOPOBASE.DWG XREF: S: PROJECTS\2017\2017435\DWG\SITE PLANS\X-BASE-17435.DWG XREF: S: PROJECTS\2017\2017435\DWG\SITE PLANS\X-TBLK-17435.DWG

Andropogon gerardii Big Bluestem Carex comosa Bristly Sedge Carex cristatella Crested Oval Sedge Carex lurida Bottlebrush Sedge Prairie Sedge Mix Carex spp. Carex vulpinoidea Brown Fox Sedge Virginia Wild Rye Elymus virginicus Glyceria striata Fowl Manna Grass Switch Grass Panicum virgatum Dark Green Rush Scirpus atrovirens Wool Grass Scirpus cyperinus Spartina pectinata Prairie Cord Grass Temporary Cover: Common Oat Avena sativa Lolium multiflorum Annual Rye Alisma spp. Water Plantain (Various N Asclepias incarnata Swamp Milkweed Coreopsis tripteris Tall Coreopsis Spotted Joe-Pye Weed Eutrochium maculatum Iris virginica Blue Flag Liatris spicata Marsh Blazing Star Cardinal Flower Lobelia cardinalis Lobelia siphilitica Great Blue Lobelia Common Water Horehoun Lycopus americanus Pycnanthemum virginianum Common Mountian Mint Rudbeckia triloba Brown-Eyed Susan Sagittaria latifolia Common Arrowhead Senna hebecarpa Wild Senna Silphium terebinthinaceum Prairie Dock Symphyotrichum novae-anglie New England Aster Verbena hastata Blue Vervain Zizia aurea Golden Alexanders

Swale Seed Mix

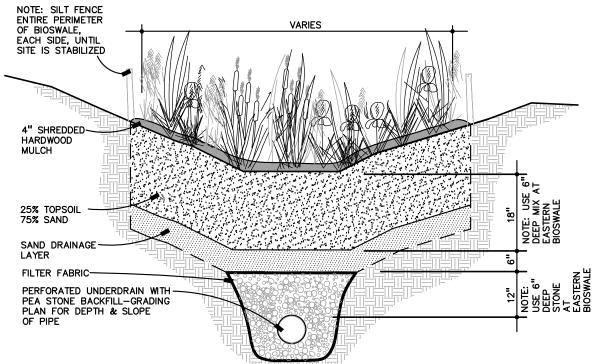
Botanical Name

CARDNO 574-586-2412

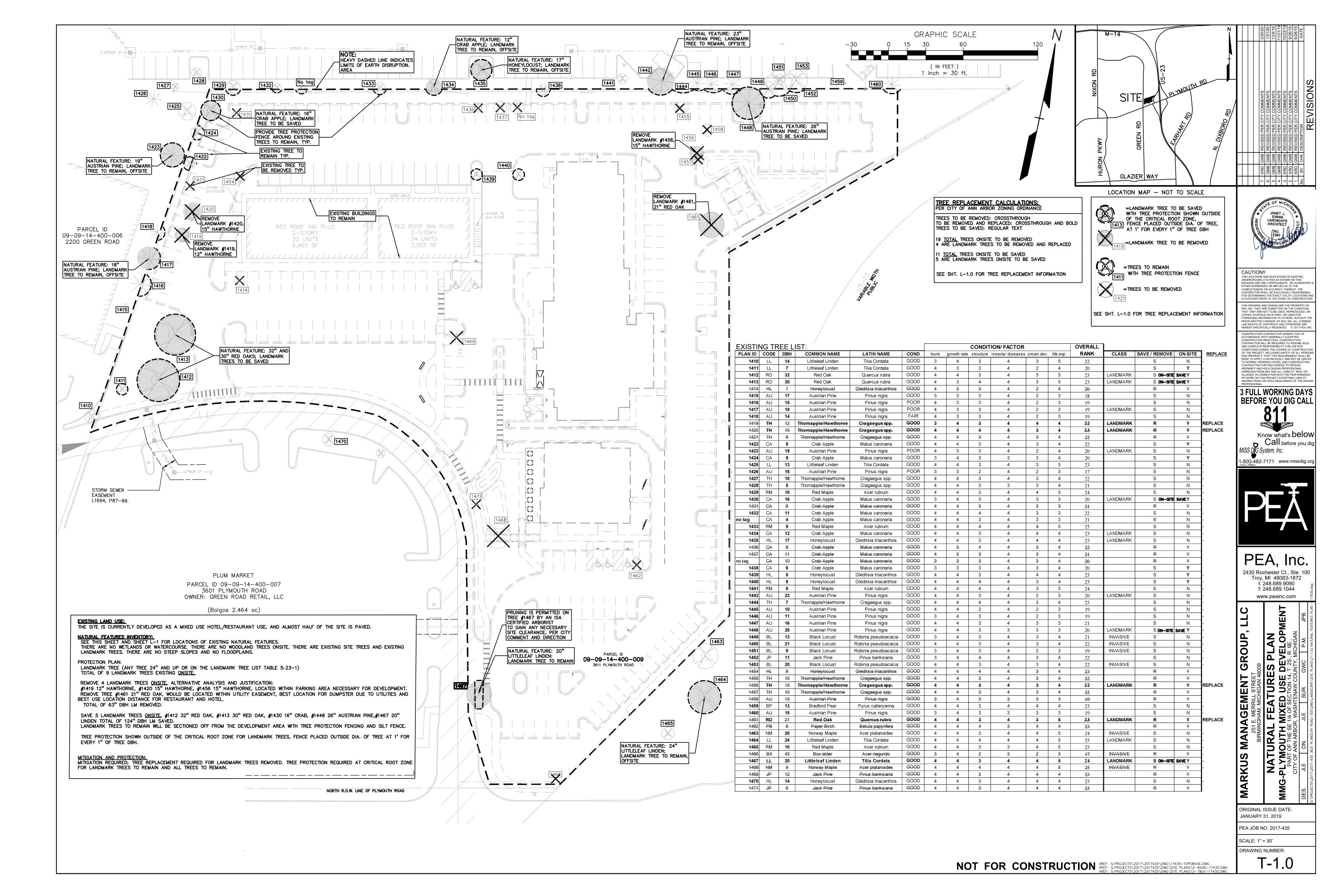
cardnonativeplantnursery.com

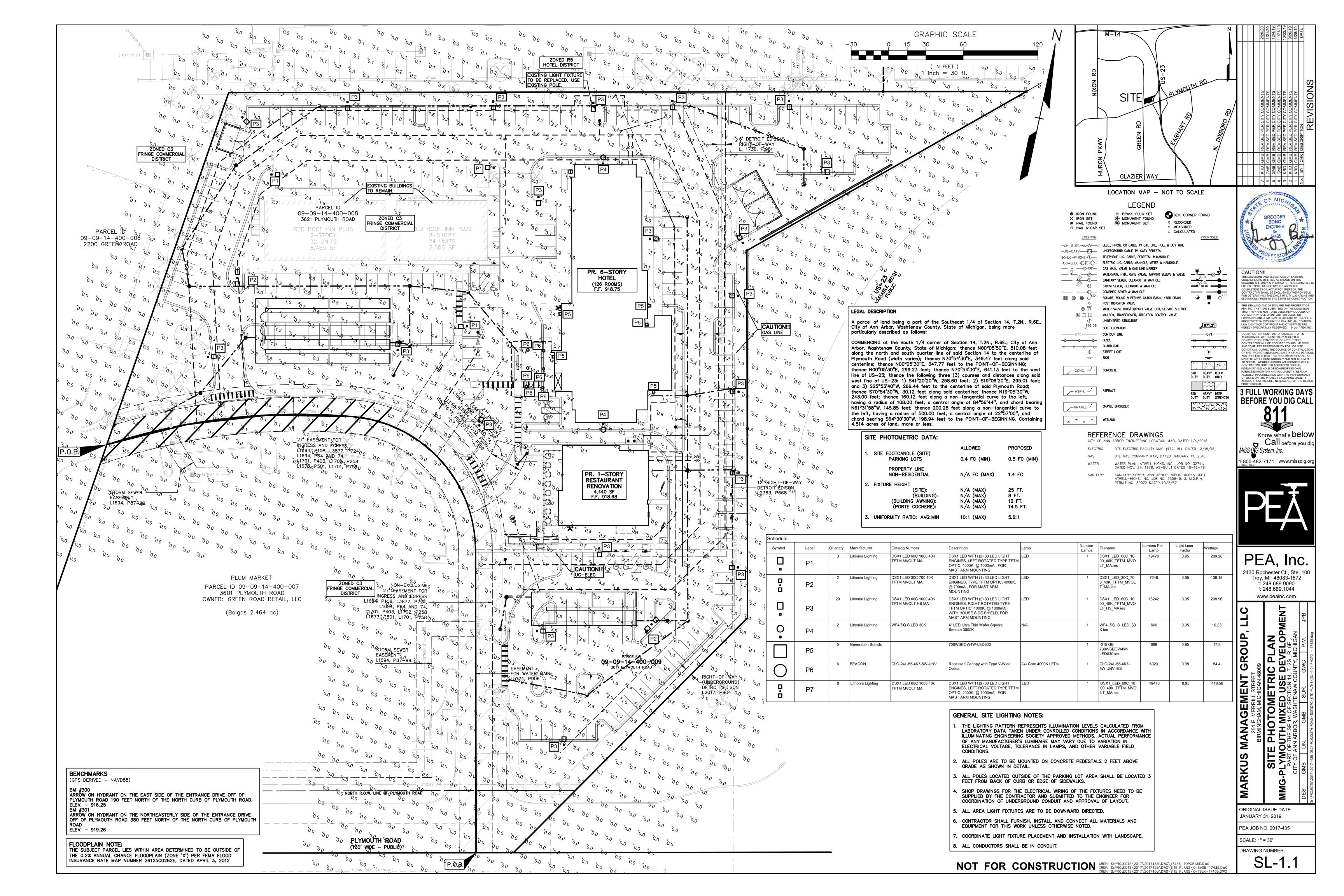
Permanent Grasses/Sedges:

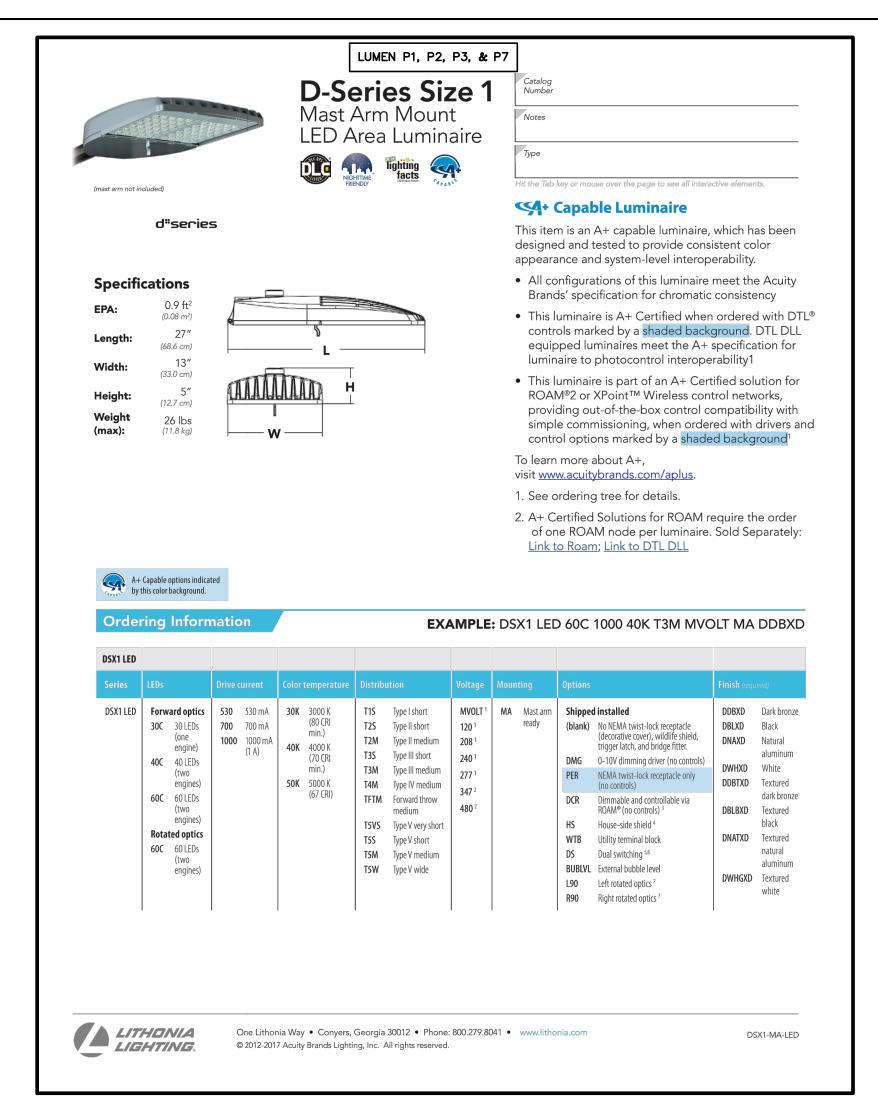
Common Name

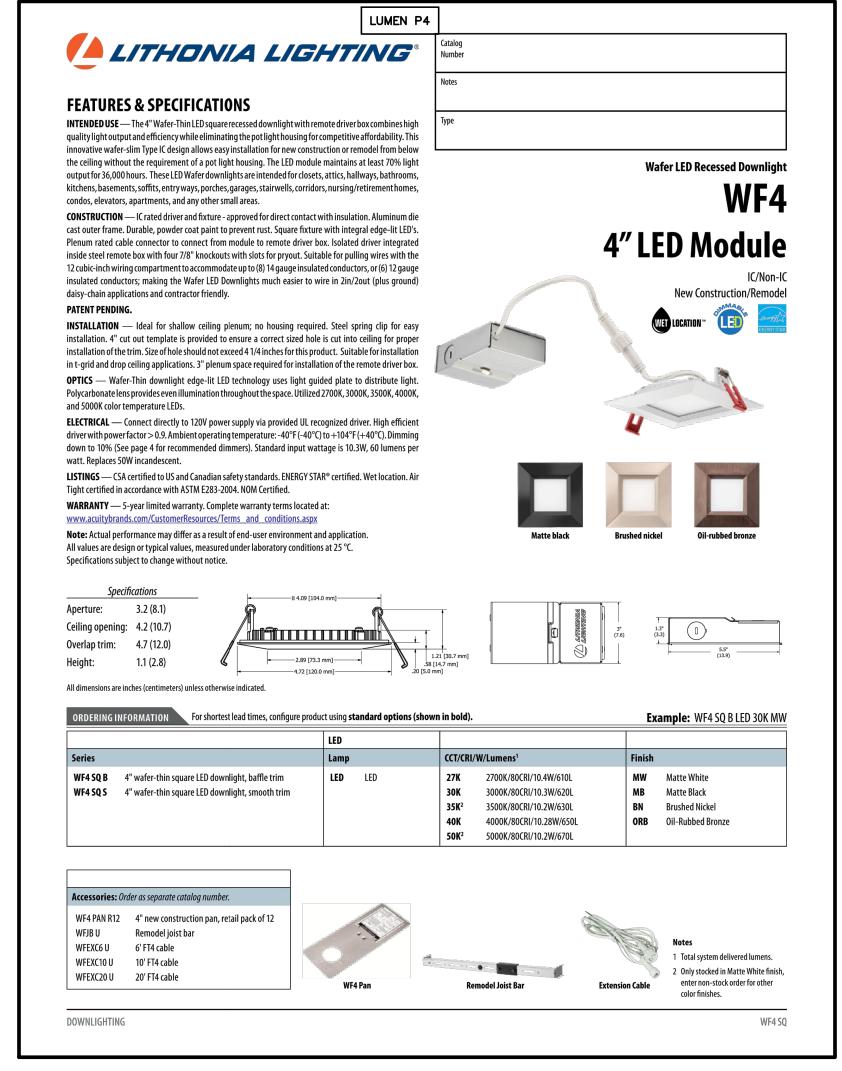


BIORETENTION - TYPICAL CROSS SECTION

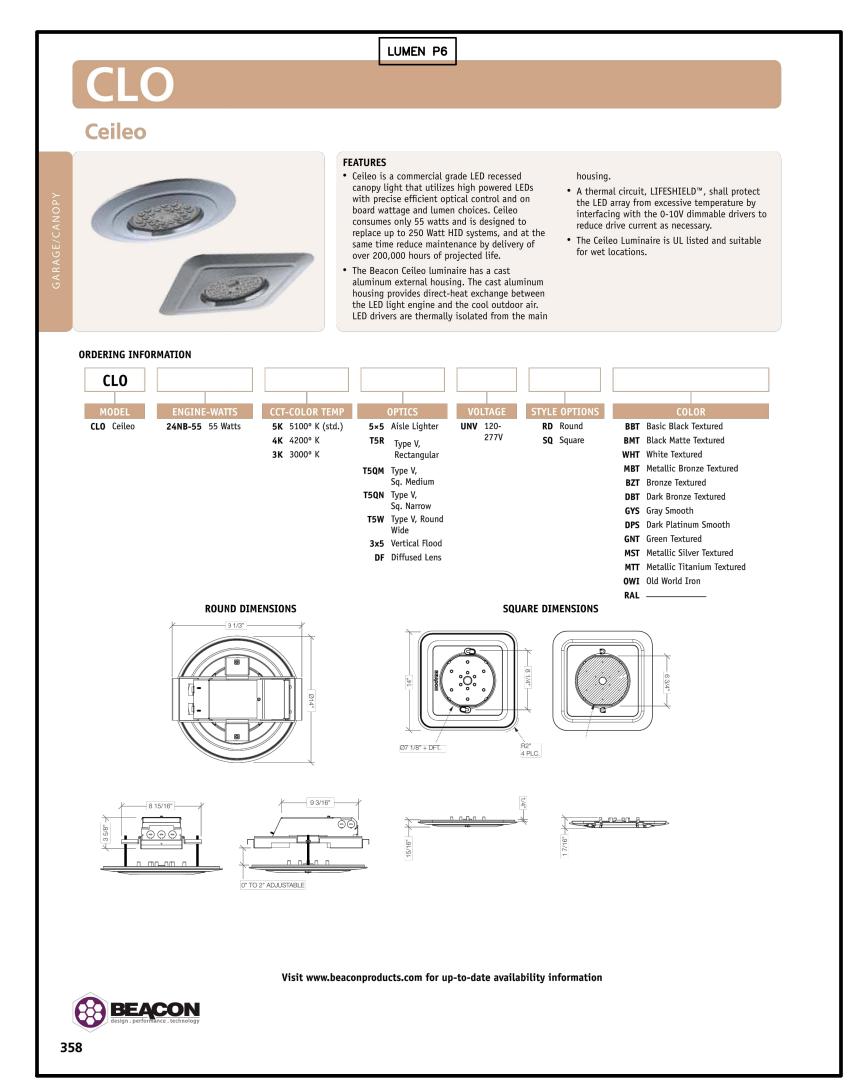


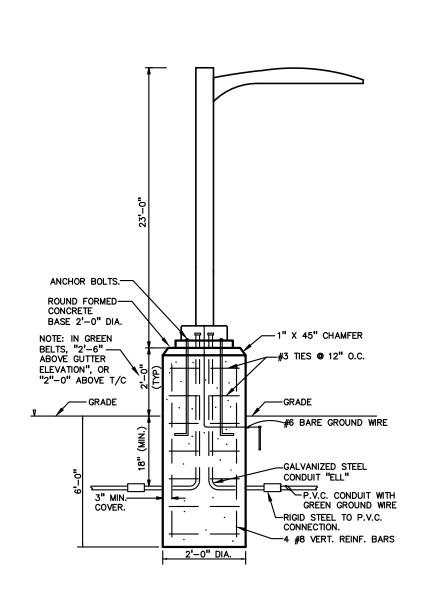












CONCRETE BASE DETAIL

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1 KRD GMB REVISED PER CITY COMMENTS
No. BY CHK DESCRIPTION

REVISED PER CITY COMMENTS
1 KRD GMB REVISED PER CITY COMMENTS
1 KRD



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MARKUS MANAGEMENT GROUP, LLC
251 E. MERRILL STREET
BIRMINGHAM, MICHIGAN 48009

SITE PHOTOMETRIC DETAILS
MMG-PLYMOUTH MIXED USE DEVELOPMENT
PART OF THE SE 1/4 OF SECTION 14, T. 2S., R. 6E.,
CITY OF ANN ARBOR, WASHTENAW COUNTY, MICHIGAN
DESCRIPTION OF ANY ARBOR.

ORIGINAL ISSUE DATE: JANUARY 31, 2019 PEA JOB NO. 2017-435

SCALE: 1" = 30'

DRAWING NUMBER:

SL-1.2