

MATCH LINE SHEET L100
MATCH LINE SHEET L101

Symbol	Botanical Name	Common Name	Quantity	Size	Comments
Ab	Abies balsamea	Balsam Fir	5	7-8' ht.	BB
Am	Amenochor canadensis	Shadblow Serviceberry	5	7-8' ht.	BB Multi-stem
Ar	Acer rubrum 'Red Sunset'	Red Sunset Red Maple	7	3' cal.	BB
Bn	Betula nigra 'Heritage'	Heritage River Birch	8	8-10' ht.	BB
C1	Chamaecyparis thyoides	Atlantic White Cedar	5	7-8' ht.	BB
Hm	Hieracium marmosida x Arnold Promise'	Arnold Promise Witch Hazel	3	7-8' ht.	BB Multi-stem
Ms	Musa Sagen 'Tyme'	Sugar Tyme Cradapple	2	2-3' cal.	BB
Ns	Nyssa sylvatica 'Green Giant'	Green Giant	8	9-10' ht.	BB
Tr	Thuja americana 'Proctor'	Proctor Elm	6	3' cal.	BB
Ua	Ulmus americana 'Proctor'	Piceston Elm	6	3' cal.	BB

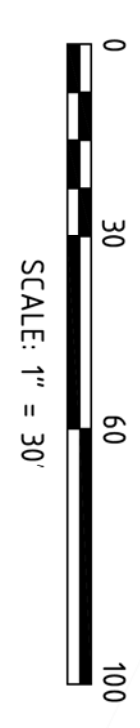
Symbol	Botanical Name	Common Name	Quantity	Size	Comments
Iv	Ilex verticillata 'Red Sprite'	Red Sprite Winterberry	94	3 gal.	
Iv	Ilex verticillata 'Southern Gentleman'	Southern Gentleman Winterberry	5	3 gal.	
Cs	Cornus sericea	Red Osier Dogwood	45	5 gal.	
Cr	Cornus racemosa	Grey Twig Dogwood	47	3 gal.	
Ci	Celtis occidentalis	Summersweet Cieltra	101	3 gal.	
Jc	Juniperus communis	Common Juniper	43	3 gal.	
Mp	Myrica pennsylvanica	Bayberry	30	2-2.5' ht.	BB

Symbol	Common Name	Quantity	Size	Comments
SF	Seeding			
SF	Meadow & Road 50% New England Roadside Matrix Upland Seed Mix/ 50% New England			
SF	Shoulders Slowly Wildflower Mix, by New England Wetland Plants			
SF	Lawn Areas Pennington Smart Seed Tall Rescue Blend			



103 Keel Place, Newmarket, New Hampshire Phone: 603.659.5949

FINAL APPROVAL BY DURHAM PLANNING BOARD.
CERTIFIED BY MICHAEL BEHRENDT, TOWN PLANNER
DATE _____



LANDSCAPE PLAN PLAN

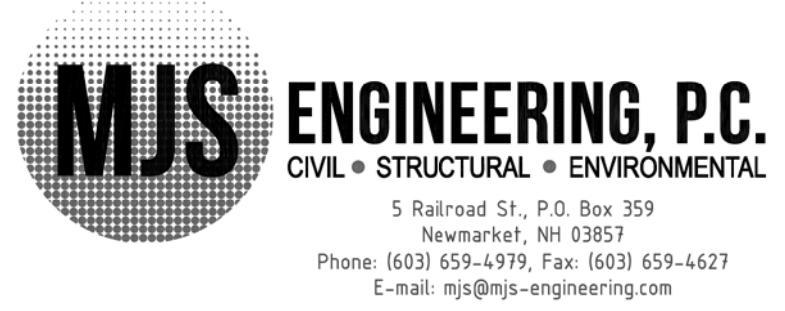
prepared for
MULHERN
TAX MAP 10, LOT 8-6
93 BAGDAD ROAD, DURHAM, NH 03824

DATE ISSUED:	12/09/20
SCALE:	1"=30'
DESIGNED BY:	RW
DRAWN BY:	VM
APPROVED BY:	RW
DWG FILE:	

SEAL

NO.	REVISIONS	DATE	INT.
1.	REVISED SUBMISSION TO THE DURHAM PLANNING BOARD	12/09/20	VM
0.	INITIAL SUBMISSION TO THE DURHAM PLANNING BOARD	10/28/20	MCS

JOB: 19-063
L100



Landscape Notes

- Design is based on drawings by MJS Engineering dated 12/24/2020 and may require adjustment due to actual field conditions.
- The contractor shall follow best management practices during construction and shall take all means necessary to stabilize and protect the site from erosion.
- Erosion Control shall be in place prior to construction.
- Erosion Control to consist of Hay Bales and Erosion Control Fabric shall be staked in place between the work and Water bodies, Wetlands and/or drainage ways prior to any construction.
- The Contractor shall verify layout and grades and inform the Landscape Architect or Client's Representative of any discrepancies or changes in layout and/or grade relationships prior to construction.
- It is the contractor's responsibility to verify drawings provided are to the correct scale prior to any bid, estimate or installation. A graphic scale shall be provided with the drawings. If a graphic scale is not provided, the contractor shall provide a graphic scale of the project. The landscape architect will provide a set of drawings at the request of the contractor.
- Trees to remain within the construction zone shall be protected from damage for the duration of the project by snow fence or other suitable means of protection to be approved by Landscape Architect or Client's Representative. Snow fence shall be located at the drip line at a minimum and shall include any and all surface roots. Do not fill or mulch on the trunk flare. Do not disturb roots. In order to protect the integrity of the roots, branches, trunk and bark of the tree(s) no vehicles or construction equipment shall drive or park in or on the area within the drip line(s) of the tree(s). Do not store any refuse or construction materials or portables within the tree protection area.
- Location, support, protection, and restoration of all existing utilities and appurtenances shall be the responsibility of the Contractor.
- The Contractor shall verify exact location and elevation of all utilities with the respective utility owners prior to construction. Call DIGSAFE at 1-888-344-7233.
- The Contractor shall procure any required permits prior to construction.
- Prior to any landscape construction activities Contractor shall test all existing loam and loam from off-site intended to be used for lawns and plant beds using a thorough sampling throughout the supply. Soil testing shall indicate levels of pH, nitrates, macro and micro nutrients, texture, soluble salts, and organic matter. Contractor shall provide Landscape Architect with test results and recommendations from the testing facility along with soil amendment plans as necessary for the proposed plantings to thrive. All loam to be used on site shall be amended as approved by the Landscape Architect prior to placement.
- Contractor shall notify landscape architect or owner's representative immediately if at any point during demolition or construction of the site, there are any unforeseen subsurface conditions and discrepancies between the plan and the site. If a contractor is aware of a potential issue, and does not bring it to the attention of the landscape architect or owner's representative immediately, they may be responsible for the labor and materials associated with correcting the problem.
- The Contractor shall furnish and plant all plants shown on the drawings and listed hereon. All plants shall be nursery-grown under climatic conditions similar to those in the locality of the project. Plants shall conform to the botanical names and standards of size, culture, and quality for the highest grades and standards as adopted by the American Association of Nurserymen, Inc. in the American Standard of Nursery Stock, American Standards Institute, Inc. 230 Southern Building, Washington, D.C. 20005.
- A complete list of plants, including a schedule of sizes, quantities, and other requirements is shown on the drawings. In the event that quantity discrepancies or material omissions occur in the plant materials list, the planting plans shall govern.
- All plants shall be legibly tagged with proper botanical name.
- The Contractor shall guarantee all plants for not less than one year from time of acceptance.
- Owner or Owner's Representative will inspect plants upon delivery for conformity to Specification requirements. Such approval shall not affect the right of inspection and rejection during or after the progress of the work. The Owner reserves the right to inspect and/or select all trees at the place of growth and reserves the right to approve a representative sample of each type of shrub, herbaceous perennial, annual, and ground cover at the place of growth. Such sample will serve as a minimum standard for all plants of the same species used in this work.
- All substitutions of plants they make shall be made prior approval of the Owner or the Owner's Representative for any reason.
- All base attachments of plants shall be made in accordance with the following:
 - Outside base attachments spaced a maximum of 150 feet apart, and
 - A temporary irrigation system designed for a two-year period of plant establishment.
 - A temporary irrigation system is installed, all irrigation valve boxes shall be located within planting bed areas.
- If an automatic irrigation system is installed, all irrigation valve boxes shall be located within planting bed areas. The contractor is responsible for all plant material from the time their work commences until final acceptance. This includes but is not limited to maintaining all plants in good condition, the security of the plant material once delivered to the site, and watering of plants. Plants shall be appropriately watered prior to, during and after planting. It is the contractor's responsibility to provide clean water suitable for plant health from off site, should it not be available on site.
- All disturbed areas will be dressed with 6" of topsoil and planted as noted on the plans or seeded except plant beds. Plant beds shall be prepared to a depth of 12" with 75% loam and 25% compost.
- Trees, ground cover, and shrub beds shall be mulched to a depth of 2" with one-year-old, well-composted, shredded native bark not longer than 4" in length and 2" in width. Free of woodchips and sawdust. Mulch for ferns and herbaceous perennials shall be no longer than 1" in length. Trees in lawn areas shall be mulched in a 5' diameter min. saucer. Color of mulch shall be black.
- Drip strip shall extend to 6" beyond roof overhang and shall be edged with 3/16" thick metal edger.
- In no case shall mulch touch the stem of a plant nor shall mulch ever be more than 3" thick total (including previously applied mulch) over the root ball of any plant.
- Secondary lateral branches of deciduous trees overhanging vehicular and pedestrian travel ways shall be pruned up to a height of 6' to allow clear and safe passage of vehicles and pedestrians under tree canopy. Within the sight distance triangles 5' height intersections the canopy shall be raised to 8' min. height.
- Shrub and tree canopies shall be maintained at 5' min. clearances above all utility lines.
- Landscapes Architect is not responsible for the means and methods of the contractor.

Do not heavily prune the tree at planting. Prune only cross-over limbs, co-dominant stems, and limbs that are dead, broken, or damaged. Interior twigs and lateral branches may be pruned; however, Do NOT remove the terminal buds of branches that extend to the edge of the crown.

Trees less than 3" in caliper shall be staked around the trunk with 1" gauge wire. Plastic hose sections shall be used at attachment to trees. Each wire shall be flagged with a visual marker. Do NOT remove the terminal buds of branches that extend to the edge of the crown.

Each tree must be staked such that the original trunk flare is visible. Plastic hose sections shall be used at attachment to trees. Each guy wire shall be flagged with a visual marker. 2" stakes or metal drive anchors shall be used to anchor the guy wires. Stakes/anchors shall be driven into the soil at a 45-degree angle. The end of the first guy wire shall be placed at the end of the first growing season after planting.

6" Composted P/C tree sock

Each tree must be staked such that the original trunk flare is visible. Plastic hose sections shall be used at attachment to trees. Each guy wire shall be flagged with a visual marker. 2" stakes or metal drive anchors shall be used to anchor the guy wires. Stakes/anchors shall be driven into the soil at a 45-degree angle. The end of the first guy wire shall be placed at the end of the first growing season after planting.

Before planting Contractor shall inspect the rootball for the cover the top of the root ball with soil.

Remove all wires, rope, wire, and cutlup

Backfill with bedding soil in sandy soil heavy clay soils, red 25% max by volume composted organic material to the existing soil.

Remove all wires, rope, wire, and cutlup

2. M. Area: Mulch. Do NOT place mulch in contact with tree trunk. Maintain the mulch weed-free for a minimum of three years after planting.

4. In. High earth saucer beyond edge of root ball

5. 6"-8" diameter, min. (BFT) stem preferred

1. 1'-0"

1. 1'-0"

2. 2 times the diameter of the root ball to be planted shall be no less than a 3' which radius from the base of the tree



Symbol	Botanical Name	Common Name	Quantity	Size	Comments
AD	<i>Adiantum bistorta</i>	Bastard Fern	5	7-8" ht.	BB
Am	<i>Aster multiflorus canadensis</i>	Shallow Sunbeaker	5	7-8" ht.	BB
Ar	<i>Acer rubrum 'Red Sunset'</i>	Red Sunset Red Maple	7	3" cal.	BB Multi-stem
Bn	<i>Betula nigra 'Heritage'</i>	Heritage River Birch	8	8-10" ht.	BB
Cl	<i>Chaenactis thymoides</i>	Atlantic White Cedar	5	7-8" ht.	BB
Hm	<i>Hematis intermedia x 'Arnold Promise'</i>	Arnold Promise Witch Hazel	3	2.5' cal.	BB Multi-stem
Ms	<i>Malus 'Sugar Tyme'</i>	Sugar Tyme Crabapple	4	3" cal.	BB
Ns	<i>Nyssa sylvatica</i>	Black Tupelo	8	9-10" ht.	BB
Th	<i>Thuja plicata 'Green Giant'</i>	Green Giant Western Red Cedar	8	3" cal.	BB
Ua	<i>Ulmus americana 'Princeton'</i>	Princeton Elm	6	3" cal.	BB

SHRUBS	Symbol	Botanical Name	Common Name	Quantity	Size	Comments
IV		<i>Ilex verticillata 'Red Sprite'</i>	Red Sprite Winterberry	34	3 gal.	
Cs		<i>Cornus sericea 'Southern Gentleman'</i>	Red Dogwood Winterberry	45	3 gal.	
Cl		<i>Celtis occidentalis</i>	Red Cedar	47	3 gal.	
Jc		<i>Juniperus communis</i>	Grey Tine Dogwood	101	3 gal.	
Mp		<i>Myrica pennsylvanica</i>	Summersweet Clethra	43	3 gal.	
			Common Juniper	30	2.2.5' ht.	BB

SEEDING	Symbol	Common Name	Quantity	Size	Comments
Meadow & Road Shoulders		50% New England Roadside Mix			SF
Upland		50% New England Upland Seed Mix			SF
Pennington Smart Seed Tall Fescue Blend					SF

Tree Planting Detail

woodburn & company

LANDSCAPE ARCHITECTURE

103 Keel Place, Newmarket, New Hampshire Phone: 603.659.5999

FINAL APPROVAL BY DURHAM PLANNING BOARD.

CERTIFIED BY MICHAEL BEHRENDT, TOWN PLANNER

DATE _____

SCALE: 1" = 30'

<p>LANDSCAPE PLAN PLAN</p> <p>prepared for MULHERN TAX MAP 10, LOT 8-6 93 BAGDAD ROAD, DURHAM, NH 03824</p>	<p>DATE ISSUED: 12/09/20</p> <p>SCALE: 1"=30'</p> <p>DESIGNED BY: RW</p> <p>DRAWN BY: VM</p> <p>APPROVED BY: RW</p> <p>DWG FILE:</p>	<p>SEAL</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>INT.</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>REVISED SUBMISSION TO THE DURHAM PLANNING BOARD</td> <td>12/09/20</td> <td>VM</td> </tr> <tr> <td>0.</td> <td>INITIAL SUBMISSION TO THE DURHAM PLANNING BOARD</td> <td>10/28/20</td> <td>MCS</td> </tr> </tbody> </table>	NO.	REVISIONS	DATE	INT.	1.	REVISED SUBMISSION TO THE DURHAM PLANNING BOARD	12/09/20	VM	0.	INITIAL SUBMISSION TO THE DURHAM PLANNING BOARD	10/28/20	MCS
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ENGINEERING, P.C.

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