

**PROPOSED GODDARD SCHOOL**  
12,752 S.F.  
193 CENTRAL STREET  
FIRST FLOOR = 55.0

**HARMFUL PLANT LIST**  
APPENDIX 'C'  
Harmful Plant List From  
The Children's Hospital of Pittsburgh.

Plants in this list shall not be used anywhere on this project, either inside the play area fencing, outside the fencing, or anywhere within the site boundaries. If such plant species are existing on site prior to construction, all such material shall be removed.

Scientific Name	Common Name
Malus sylvestris	Amelanchier
Cassiaquina gilliesii	Black Locust, White Locust
Prunus virginiana	Buckeye
Narcissus	Buttercup
Daphne mezereum	Castor Oil Plant, Castor Bean
Alstroemeria bellidifolia	Choke Cherry
Dierfenchchia	Common Privet, etc...
Cedrus	Crocus - Autumn
Phillydendron	Daffodil, Jonquil
Hedera helix	Daphne
Solanum dulcamara	Deadly Nightshade
Caladium	Del's Ivy
Digitalis	Dumb Cane, Elephant Ear
Ilex species	Elder
Hyacinthus orientalis	Elephant Ear
Hydrangea macrophylla	English Ivy
Iris	European Bittersweet
Artemesia trymphyllum	Deadly Nightshade
Solanum pseudocapsicum	Fancy-leaf Caladium
Datura stramonium	Four O'Clock
Lantana	Foxglove
Delphinium	Holly, etc...
Convallaria majalis	Horsetail Reed
Podophyllum peltatum	Hyacinth
Datura meteloides	Hydrangea
Ipomoea violacea	Iris
Nerium oleander	Jasmine, Jessamine
Prunus species	Jessamine Bean
Conium maculatum	Jerusalem Cherry
Phytolacca americana	Jimsonweed, Thorn Apple, Angel's Trumpet
Rhododendron	Lantana, Bunchberry, Red Sage
Rheum rhabarbarum	Larkspur, Crowfoot
Lathyrus odoratus	Laurel
Monstera	Lily of the Valley
Parthenocissus quinquefolia	Lobelia
Cicuta maculata	Marijuana
Wisteria species	Mayapple, Mandrake, Ground Lemon
Gelsemium sempervirens	Mistletoe
Taxus	Moonflower, Angel's Trumpet, Lookout, Moonseed
Ipomoea violacea	Morning Glory
Nerium oleander	Oleander
Prunus species	Peach, Plum, Cherry, Apricot
Conium maculatum	Pervinca (myrtle)
Phytolacca americana	Peyote (mescal)
Rhododendron	Philodendron
Rheum rhabarbarum	Poison Hemlock, False Parsley
Lathyrus odoratus	Poison Ivy
Monstera	Poison Oak
Parthenocissus quinquefolia	Pokeweed, Inkberry
Cicuta maculata	Poppies (California Poppy exempt)
Wisteria species	Potato Vines
Gelsemium sempervirens	Prunus (Cherry, Plum, Apricot)
Taxus	Ranunculus
Rhododendron	Rhododendron, Azalea
Rheum rhabarbarum	Rhubarb
Lathyrus odoratus	Star of Bethlehem
Monstera	Sweet Pea
Parthenocissus quinquefolia	Swiss Cheese Plant, Cerniman
Cicuta maculata	Tobacco
Wisteria species	Tomato Vines
Gelsemium sempervirens	Tulip
Taxus	Virginia Creeper, American Ivy
Rheum rhabarbarum	Water Hemlock
Lathyrus odoratus	Spotted Cowpea
Monstera	Watercress
Parthenocissus quinquefolia	Yellow Jessamine, Carolina Jessamine
Cicuta maculata	Yew (Japanese)

**ADDITIONAL TREE LIST**

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	NOTES	SYMBOL
RB	4	BETULIA NIGRA	RIVER BIRCH	8'-10' HEIGHT	

**TOWN OF MILTON STREET/SHADE TREE INFORMATION**

TREES MUST BE SELECTED ONLY FROM THE ATTACHED LIST PREPARED BY THE MILTON SHADE TREE ADVISORY COMMITTEE. TREES UNDER THIS PROGRAM ARE ONLY PLANTED DURING THE MONTHS OF SEPTEMBER, OCTOBER, NOVEMBER, AND DECEMBER SO LONG AS WEATHER PERMITS.

**MILTON STAC RECOMMENDED TREE LIST IS BASED ON THE FOLLOWING CRITERIA:**

- ABILITY TO SURVIVE IN DIFFICULT URBAN CONDITIONS.
- NATIVE SPECIES (TO ATTRACT NATIVE BIRDS AND BUTTERFLIES)
- ATTRACTIVE
- PROVIDES APPROPRIATE LEVEL OF VISIBILITY FOR WALKERS AND DRIVERS
- DECIDUOUS TREES (NO EVERGREENS INCLUDED DUE TO VISIBILITY AND OTHER ISSUES)
- AVAILABILITY IN MASSACHUSETTS NURSERIES

SOURCES: ARBOR DAY FOUNDATION, THE LADY BIRD JOHNSON WILDFLOWER CENTER, UMASS URBAN FORESTRY PROGRAM, BOSTON PARKS DEPARTMENT, BROOKLYN BOTANICAL GARDENS, DIRR'S HANDBOOK OF WOODY PLANTS, NYC STREET TREE GUIDE, CORNELL UNIVERSITY HORTICULTURE DEPARTMENT, VARIOUS SHADE TREE COMMITTEES FROM ACROSS MASSACHUSETTS

**LANDSCAPER RESPONSIBILITIES**

1. ALL LANDSCAPING WILL BE IRRIGATED WITH AN UNDERGROUND AUTOMATIC IRRIGATION SYSTEM WHERE APPLICABLE. TREES AND SHRUBS (DRIP/BUBBLER) SHALL BE IRRIGATED BY A ZONE FROM SOD/GRASS (SPRAY). THIS INCLUDES TREES PLANTED IN SOD/GRASS AREA. THE SYSTEM IS TO HAVE A RAIN SENSOR SHUT-OFF REQUIRED.
2. SOIL AMENDMENT FOR SODDED AREAS SHALL BE 4 CY. OF COMPOSTED ORGANIC MATTER PER 1,000 S.F. THE TOP 5" SHALL BE TOPSOIL AND SOIL AMENDMENT MIXTURE TILLED TO A MIN. DEPTH OF 12".
3. IN ALL PLANTER BED AREAS THE BACKFILLED SOIL SHALL BE REMOVED TO A DEPTH OF 24" AND REPLACED WITH A MIXTURE OF 1/2 TOPSOIL WITH AMENDMENT AND 1/2 NATIVE SOIL COMPACTED TO 85% STD. DENSITY.
4. IN BED AREAS HOLD TOP OF SUBGRADE 3"-4" BELOW ADJACENT IMPROVEMENTS FOR MULCHING.
5. ALL SHRUB BEDS SHALL RECEIVE WATER-PERMEABLE WEED BARRIER FABRIC. FABRIC SHALL BE 3 OZ. SPUNBONDED POLYPROPYLENE WITH UV INHIBITORS TYPAR #3301 OR APPROVED EQUAL. PERENNIAL AND ORNAMENTAL GRASS AREAS SHALL NOT RECEIVE THE FABRIC.
6. ALL SHRUB BEDS SHALL BE MULCHED WITH 3-4" DEPTH SHREDDED CEDAR - NATURAL COLOR. SUBMIT SAMPLES FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
7. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO DIGGING, EXCAVATION OR TRENCHING. DAMAGE TO UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR WITH NO EXPENSE TO THE OWNER.
8. PLANTS SHALL MEET THE MINIMUM STANDARDS OUTLINED IN THE "AMERICAN STANDARD FOR NURSERY STOCK" ANSI Z60.1 AND THE STATE NURSERY ACT AND ACCOMPANYING RULES & STANDARDS. ALL PLANT MATERIALS ARE SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. PLANTS NOT MEETING THE SET STANDARDS WILL BE REJECTED.
9. ALL TREES IN SODDED AREAS WILL HAVE A MULCH RING WITH NATURAL CEDAR FIBER MULCH AT 3-4" DEPTH AND AT LEAST 3-4" IN DIAMETER. KEEP MULCH 4"-6" AWAY FROM TRUNKS.
10. PLANT SPECIES AND LOCATIONS SHOULD FOLLOW APPROVED PLAN. IF SITE CONDITIONS OR PLANT AVAILABILITY REQUIRE CHANGES TO THE PLAN, CONTACT THE LANDSCAPE ARCHITECT AND GSI REPRESENTATIVE FOR CLARIFICATION.
11. ALL PLANT MATERIAL SHALL CARRY A WARRANTY FOR A PERIOD OF NOT LESS THAN 3 YEARS AFTER ACCEPTANCE OF THE PROJECT BY THE OWNER. WARRANTY SHALL BE A ONE-TIME REPLACEMENT THAT INCLUDES PLANT MATERIAL AND LABOR COSTS.
12. IRRIGATED TURF SHALL BE APPROVED REGIONAL GRASS BLEND, WITH 3 VARIETY BLEND MIN. (G.C. CONFIRM WITH LOCAL CODE FOR REQUIREMENTS).
13. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL PERTINENT SITE IMPROVEMENTS ALREADY INSTALLED PRIOR TO BEGINNING WORK. NO OWNER OF ANY CONFLICTS OR DISCREPANCIES WITH INFORMATION STATED IN THESE PLANS DO NOT PROCEED WITH CONSTRUCTION IF DISCREPANCIES EXIST WITHOUT OWNER APPROVAL.
14. REFER TO GRADING DRAWINGS FOR TOPO/ELEVATIONS. ENSURE POSITIVE DRAINAGE (2% MIN. PREFERRED) IN ALL LANDSCAPE/TURF AREAS. SURFACES SHALL DRAIN AWAY FROM BUILDING FOUNDATIONS (5% MIN.) AND TO THE STREETS AND ALLEY. NOTIFY OWNER IF ROUGH GRADING CONDITIONS WILL CREATE PONDING ON SITE OR FLOW TOWARD FOUNDATIONS. ROUGH GRADES SHALL BE REVIEWED AND ACCEPTED BY THE OWNER PRIOR TO SOIL PREPARATION OPERATIONS.
15. PROPOSED TREES IN THE R.O.W. SHALL BE PRE-APPROVED BY THE TOWN ARBOR AND SHALL BE A MINIMUM OF 20' FROM PROPERTY CORNERS AT INTERSECTIONS, 25' FROM STREET LIGHTS AND 10' FROM EDGE OF DRIVEWAYS, OR PER LOCAL CODE REQUIREMENTS.
16. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL FIELD INSTALLATIONS AND SHALL REPORT ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD DELIVERIES TO GSI'S REPRESENTATIVE IMMEDIATELY. THE G.C. IS TO CONFIRM ALL QUANTITIES AFTER INSTALLATION, THAT ALL PLANTS AND MATERIALS ARE INSTALLED PER SPECIFICATIONS AND LANDSCAPE PLANS.
17. LANDSCAPE ARCHITECT IS TO COORDINATE/PRODUCE AND SUBMIT IRRIGATION SPRINKLER DRAWINGS FOR REVIEW AND APPROVAL ONCE LANDSCAPE PLAN HAS BEEN REVIEWED AND APPROVED BY ARCHITECT AND GSI REPRESENTATIVE.

**PLANTING LIST**

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	NOTES	SYMBOL
TL	2	LIRIODENDRON TULIPIFERA L.	TULIP	2.5-3" CALIPER	
AE	1	ULMUS AMERICANA	AMERICAN ELM (VALLEY FORGE OR PRINCETON ELM)	2.5-3" CALIPER	
RB	7	BETULIA NIGRA	RIVER BIRCH	8'-10' HEIGHT	
DW	4	SALIX INTEGRA 'HAKURO-NISHIKI'	TRI-COLOR DAPPLED WILLOW	#5	
CBS	8	PICEA ABIES	WHITE SPRUCE	8'-10' HEIGHT	
CIB	12	KALMIA LATIFOLIA ELF	MOUNTAIN LAUREL	#5	
MG	AS SHOWN	MISANTHUS GRACILLIMUS	MAIDEN GRASS	#5	
LA	AS SHOWN	LAVANDULA ANGUSTIFOLIA	LAVENDER	#5	
WG	AS SHOWN	BUXUS MICROPHYLLA	WINTERGREEN BOXWOOD SHRUB*	#5	
GRASS	AS SHOWN				
MULCH	AS SHOWN				

**CONIFEROUS TREE PLANTING**  
(NOT TO SCALE)

**DECIDUOUS TREE PLANTING**  
(NOT TO SCALE)

**LANDSCAPE PLAN**  
**THE GODDARD SCHOOL**  
**193 CENTRAL AVENUE**  
**MILTON, MASSACHUSETTS**

**L1.0**

**GODDARD SCHOOL PROTOTYPE DETAIL**

NOTES:  
1. SET ALL EDGINGS 1" ABOVE FINISH GRADE AS SHOWN.  
2. EDGINGS SHALL ABUT ALL CONCRETE CURBS AND WALKS PERPENDICULAR, AND FLUSH W/ GRADES OF CONCRETE.  
3. ALL JOINTS TO BE SECURELY STAKED.

**LANDSCAPE EDGER DETAIL**  
NTS

**GODDARD SCHOOL PROTOTYPE DETAIL**

DRAWING ISSUED FOR REVIEW ONLY  
DRAWING ISSUED FOR PERMIT  
DRAWING ISSUED FOR CONSTRUCTION

**DATE: SEPTEMBER 7, 2021**

**DATE** **REVISIONS**  
10/19/2021 PB COMMENTS 10/14/2021  
11/3/2021 PB COMMENTS 10/28/2021  
8/18/2022 ARBORISTS REVIEW

**TYPICAL CONSTRUCTION EDGES**  
NTS

NOTES:  
1. HOLD MULCH GRADE 1" BELOW EDGE OF WALK, EDGING, OR CURB  
2. HOLD BACK PLANTS 12" FROM EDGES.

**GODDARD SCHOOL PROTOTYPE DETAIL**

ON CENTER SPACING AS SPECIFIED IN PLANT LIST. KEEP PLANTS EVENLY SPACED.  
PRUNE ALL DAMAGED OR DEAD STEMS AFTER PLANTING AND MULCHING.  
PLANT ROOT CROWN 1" HIGHER THAN FINISHED GRADE OF BACKFILL MIXTURE.  
APPLY SPECIFIED MULCH @ 3" DEPTH W/OUT LANDSCAPE FABRIC UP TO BASE OF PLANTS. DO NOT COVER STEMS OR RUNNERS.  
FINISHED PLANT BED GRADE.  
PERENNIAL SOIL PREPARED AS SPECIFIED.  
REMOVE CONTAINER.

**PERENNIAL PLANTING DETAIL**  
NTS

NOTES:  
1. DO NOT HEAVILY PRUNE SHRUBS AT PLANTING. PRUNE ONLY DEAD OR BROKEN BRANCHES.  
2. REMOVE CONTAINER (INCLUDING FIBER CONTAINERS), BASKETS, WIRE, ETC. FROM THE ROOTBALL. BREAK-UP ENCLIRING ROOTS WITH SHARP KNIFE OR SPADE.  
3. PLACEMENT NOTES: SET SHRUB PLUMB. SPACE PLANTS AND PLACE FOR BEST AFFECT.

**GODDARD SCHOOL PROTOTYPE DETAIL**

SET TOP OF ROOT BALL 1"-2" HIGHER THAN ADJACENT GRADE. SET ON UNDISTURBED SOIL.  
4" HIGH WATER SAUCER/ MULCH RING 3FT. IN DIAMETER. PLACE ON GEOTEXTILE WEED BARRIER.  
SPLIT BOTTOM OF ROOT BALL.  
1:1 SLOPE ON SIDES OF PLANTING HOLE.  
BACKFILL WITH BLEND OF EXISTING SOIL & MAX. OF 20% (BY VOLUME) ORGANIC MATERIAL. WATER THOROUGHLY WHEN BACKFILLING.

**TYPICAL SHRUB DETAIL**  
NTS

NOTE: CONIFERS W/2" OR LARGER ROOT BALL NEED NOT BE STAKED

**CONIFEROUS TREE PLANTING**  
(NOT TO SCALE)

**DECIDUOUS TREE PLANTING**  
(NOT TO SCALE)

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