# THE SANCTUARY AT MANCHESTER-BY-THE-SEA, MA

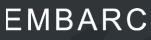
## ARCHITECTURAL PEER RESPONSE EXHIBITS

SLV SCHOOL STREET, LLC

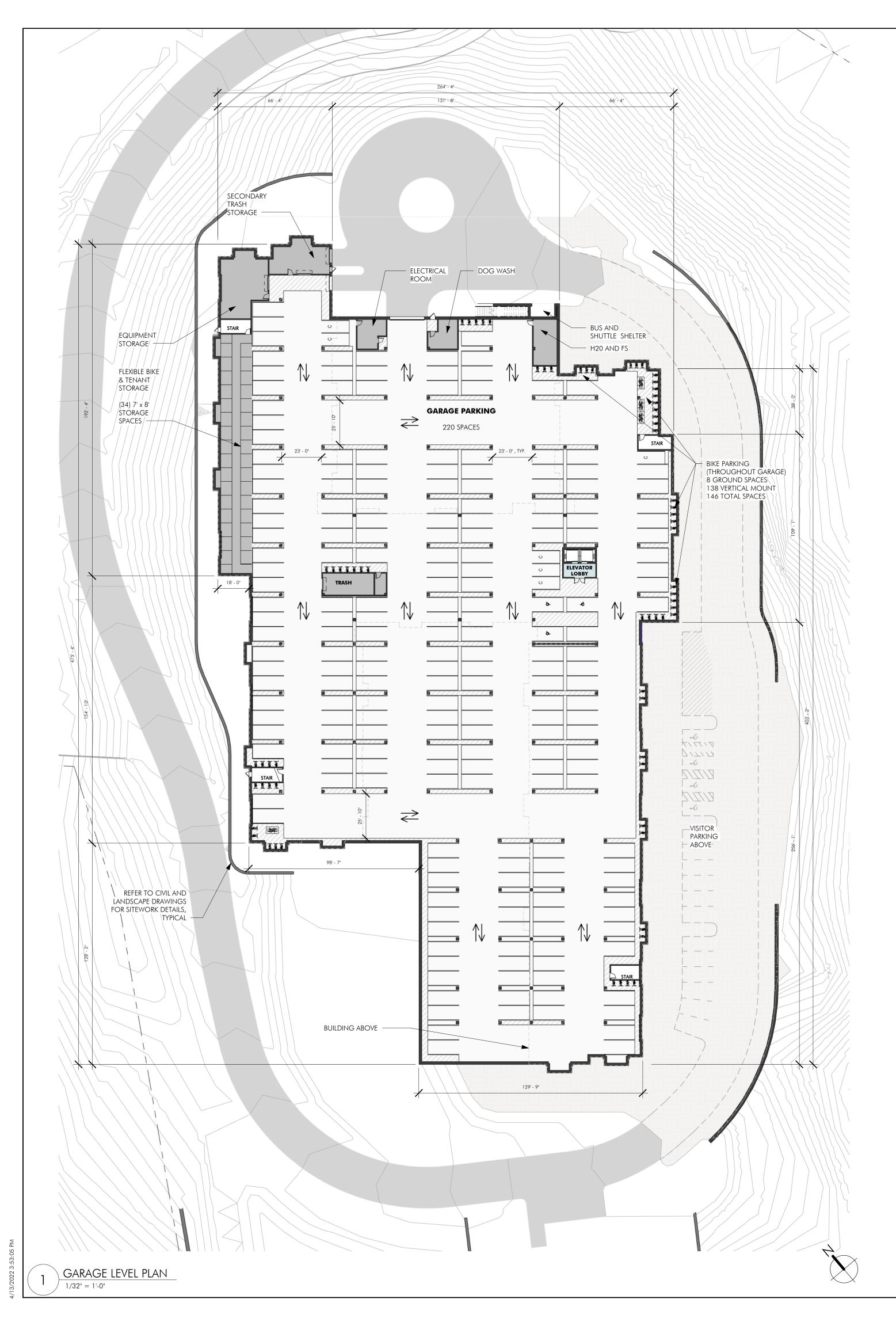
APRIL 15, 2022







## DRAWING REVISIONS







				BUILDIN
			 4	



POTENTIAL LOUVER LOCATIONS FOR GARAGE EXHAUST

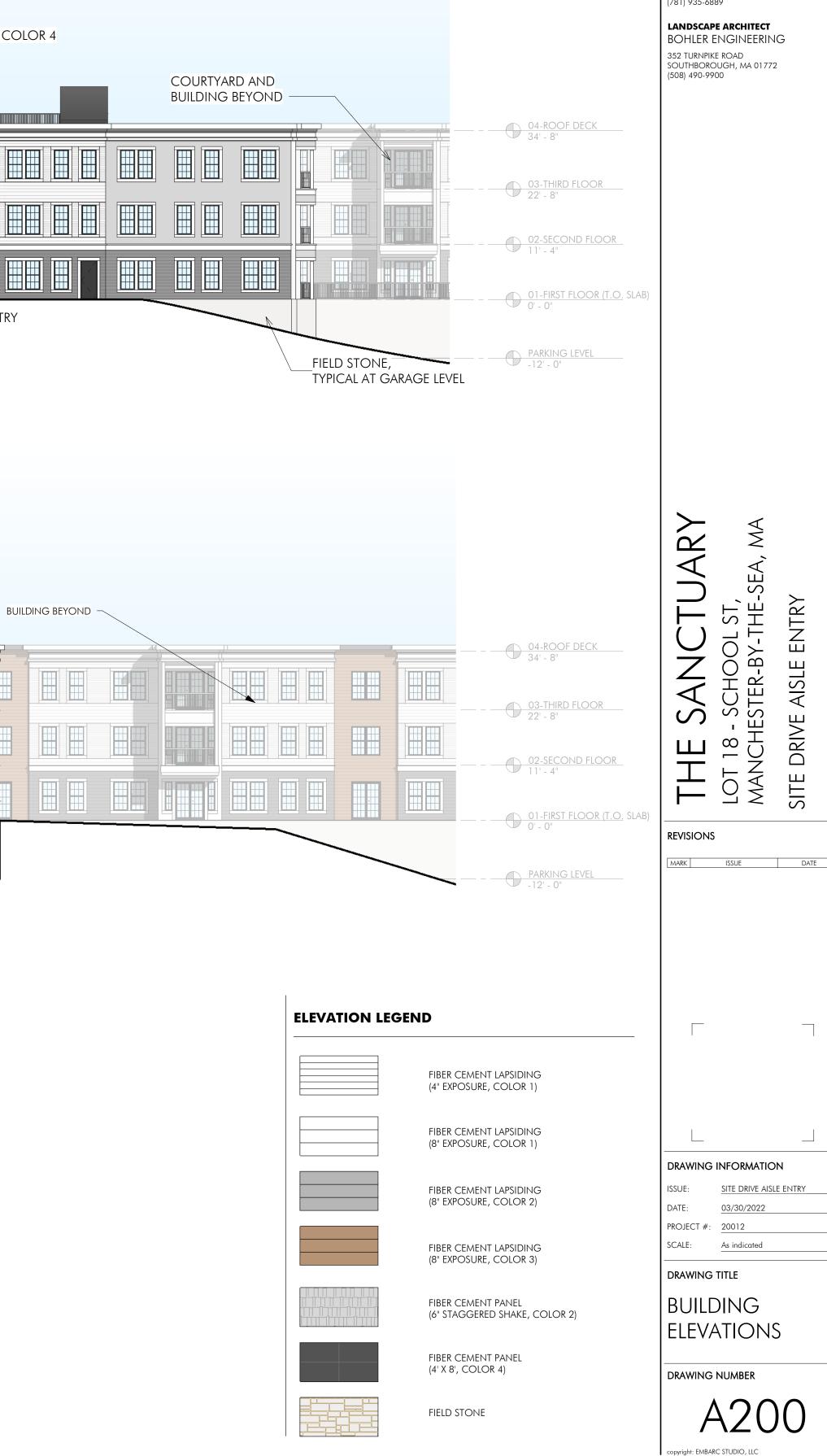
**EMBARC** 60 K STREET, 3RD FLOOR BOSTON, MA 02127 O: 617.766.8330 www.embarcstudio.com

| ARCHITECT

OWNER SLV SCHOOL STREET, LLC 257 HILLSIDE AVE. NEEDHAM, MA 02494

### CONSULTANTS

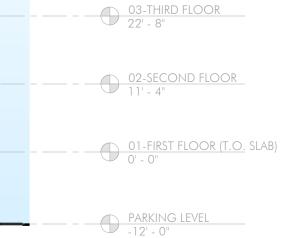
CIVIL ENGINEER ALLEN & MAJOR ASSOCIATES, 100 COMMERCE WAY, SUITE 5 WOBURN, MA 01801 (781) 935-6889



	04-ROOF DECK
	04-ROOF DECK 34' - 8" 03-THIRD FLOOR 22' - 8"
	<u>02-SECOND FLOOR</u> 11' - 4"
1 <u>ELEVATION - NORTH</u> 1/16" = 1'-0"	PARKING LEVEL



Σ



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LANDSCAPE ARCHITECT BOHLER ENGINEERING

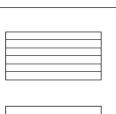
352 TURNPIKE ROAD SOUTHBOROUGH, MA 01772 (508) 490-9900

MA ~ -SEA RY

SANCTUARY

LOT 18 - SCHOOL ST, MANCHESTER-BY-THE-S SITE DRIVE AISLE ENTRY

### **ELEVATION LEGEND**











FIBER CEMENT LAPSIDING (4" EXPOSURE, COLOR 1)

FIBER CEMENT LAPSIDING (8" EXPOSURE, COLOR 1)

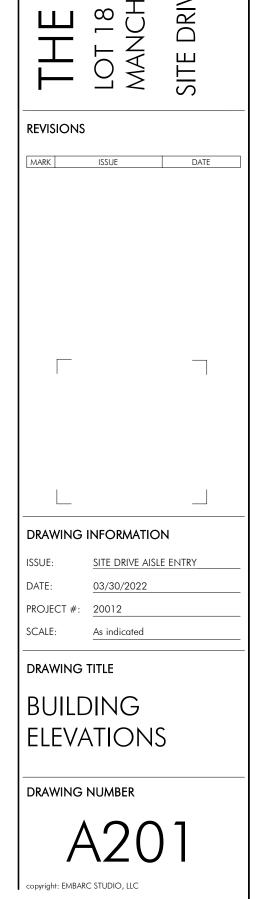
FIBER CEMENT LAPSIDING (8" EXPOSURE, COLOR 2)

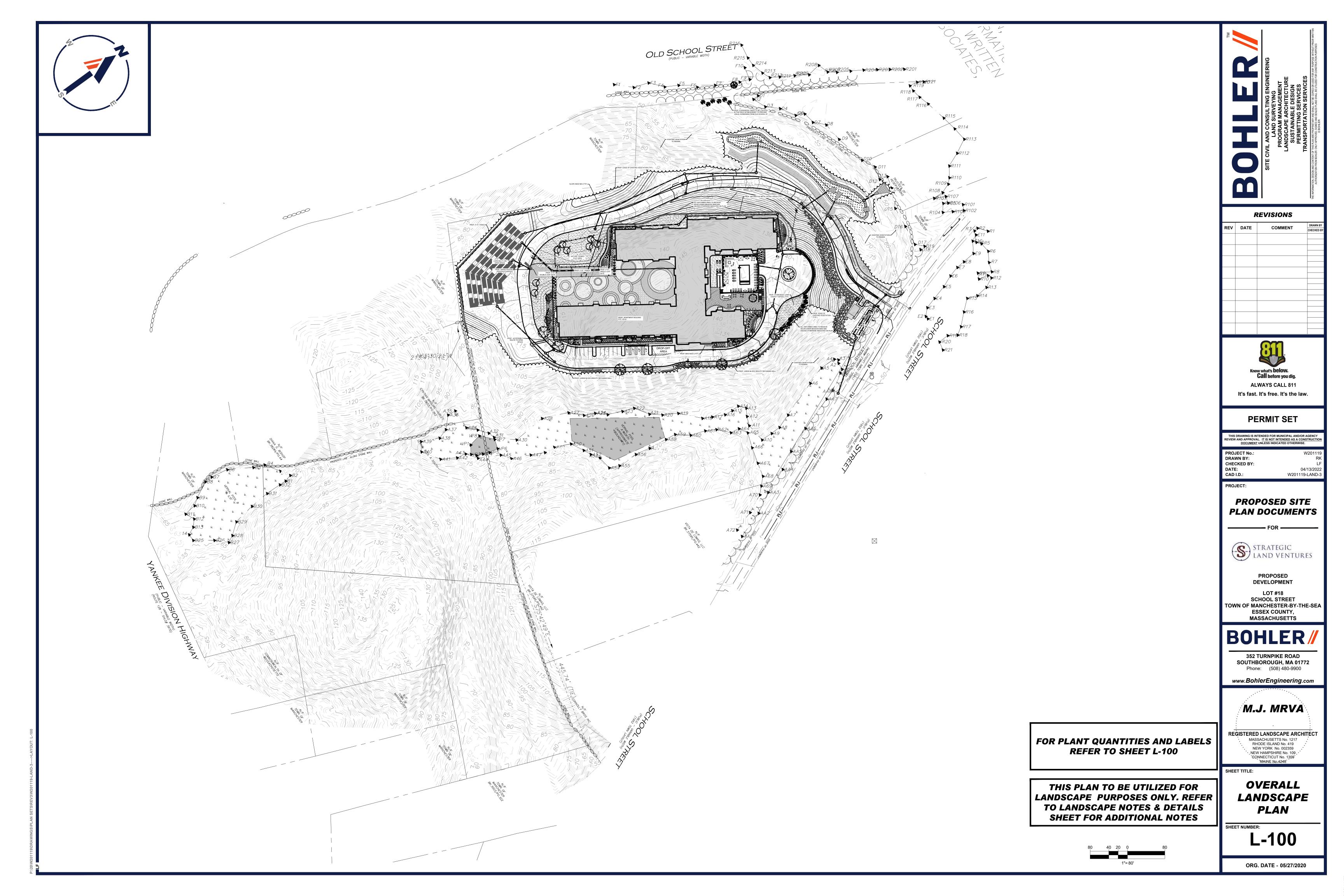
FIBER CEMENT LAPSIDING (8" EXPOSURE, COLOR 3)

FIBER CEMENT PANEL (6" STAGGERED SHAKE, COLOR 2)

FIBER CEMENT PANEL (4' X 8', COLOR 4)

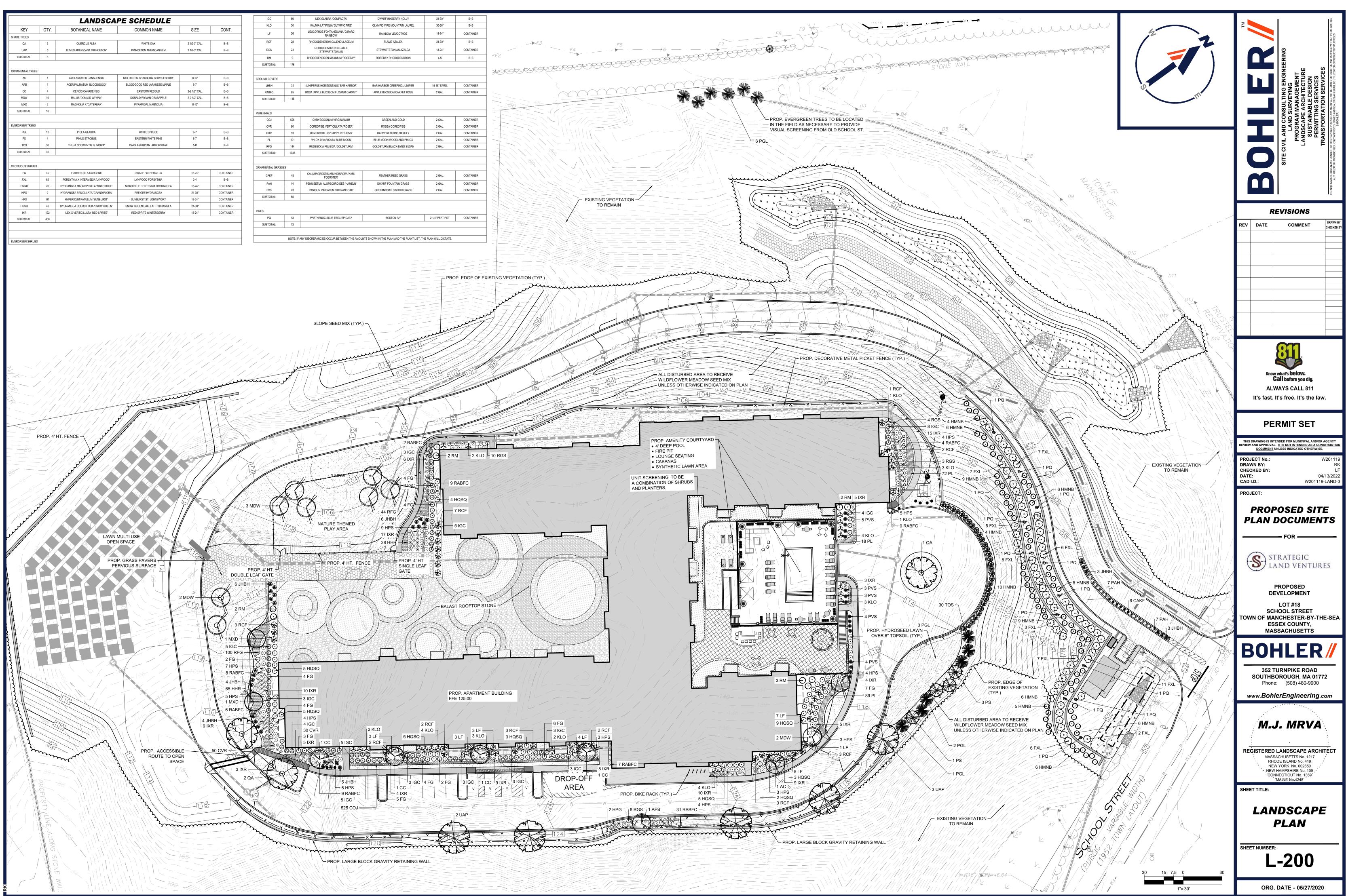
FIELD STONE





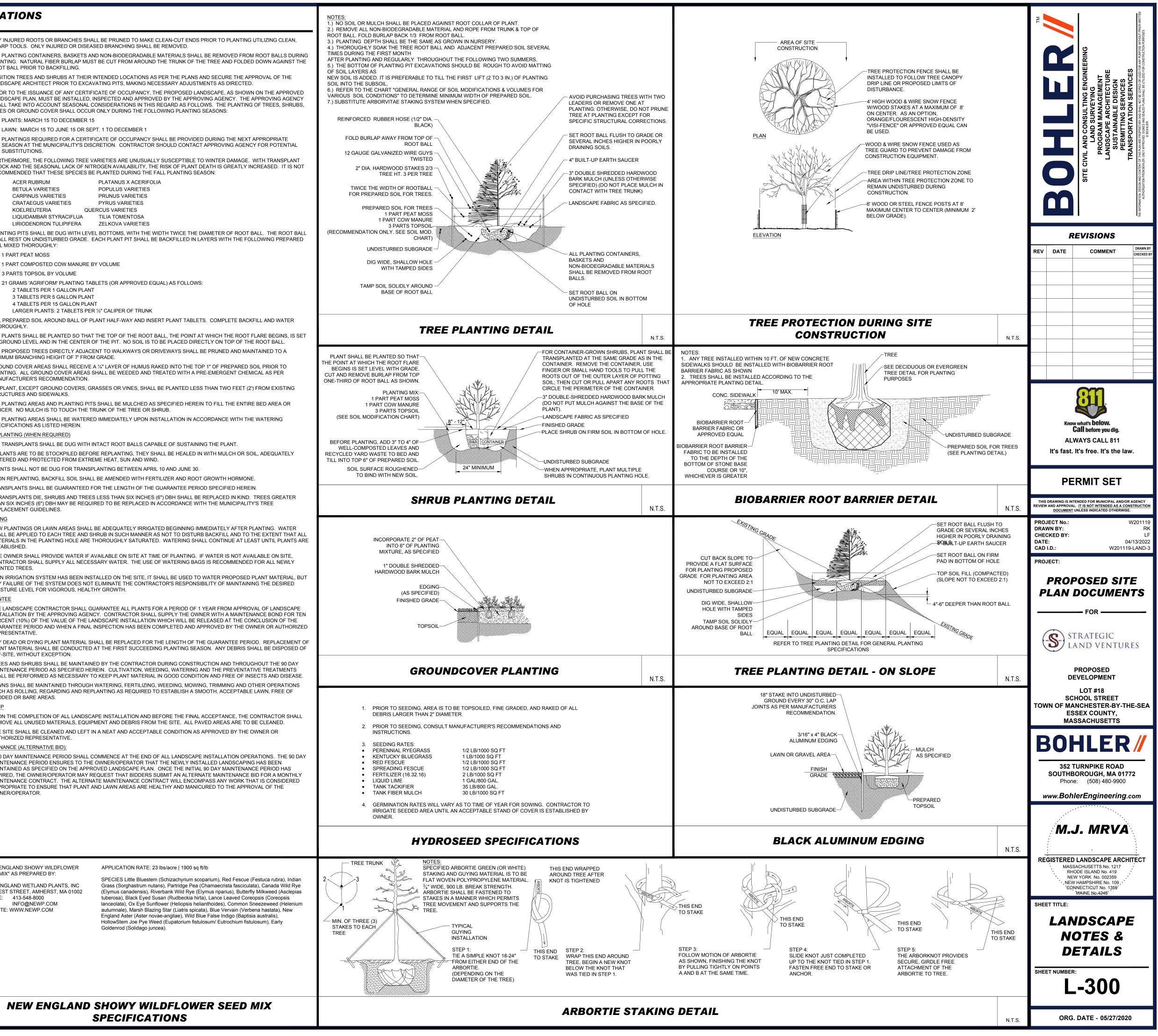
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
HADE TREES	-				
QA	3	QUERCUS ALBA	WHITE OAK	2 1/2-3" CAL.	B+B
UAP	5	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2 1/2-3" CAL.	B+B
SUBTOTAL:	8				
ORNAMENTAL TREES					
AC	1	AMELANCHIER CANADENSIS	MULTI STEM SHADBLOW SERVICEBERRY	8-10'	B+B
APB	1	ACER PALMATUM 'BLOODGOOD'	BLOODGOOD RED JAPANESE MAPLE	6-7'	B+B
CC	4	CERCIS CANADENSIS	EASTERN REDBUD	2-2 1/2" CAL.	B+B
MDW	10	MALUS 'DONALD WYMAN'	DONALD WYMAN CRABAPPLE	2-2 1/2" CAL.	B+B
MXD	2	MAGNOLIA X 'DAYBREAK'	PYRAMIDAL MAGNOLIA	8-10'	B+B
SUBTOTAL:	18				
EVERGREEN TREES					
PGL	12	PICEA GLAUCA	WHITE SPRUCE	6-7'	B+B
PS	4	PINUS STROBUS	EASTERN WHITE PINE	6-7'	B+B
TOS	30	THUJA OCCIDENTALIS 'NIGRA'	DARK AMERICAN ARBORVITAE	5-6'	B+B
SUBTOTAL:	46				
DECIDUOUS SHRUBS					
FG	45	FOTHERGILLA GARGENII	DWARF FOTHERGILLA	18-24"	CONTAINER
FXL	62	FORSYTHIA X INTERMEDIA 'LYNWOOD'	LYNWOOD FORSYTHIA	3-4'	B+B
HMNB	76	HYDRANGEA MACROPHYLLA 'NIKKO BLUE'	NIKKO BLUE HORTENSIA HYDRANGEA	18-24"	CONTAINER
HPG	2	HYDRANGEA PANICULATA 'GRANDIFLORA'	PEE GEE HYDRANGEA	24-30"	CONTAINER
HPS	61	HYPERICUM PATULUM 'SUNBURST'	SUNBURST ST. JOHNSWORT	18-24"	CONTAINER
HQSQ	40	HYDRANGEA QUERCIFOLIA 'SNOW QUEEN'	SNOW QUEEN OAKLEAF HYDRANGEA	24-30"	CONTAINE
IXR	122	ILEX X VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY	18-24"	CONTAINE
	408				

IGC	60	ILEX GLABRA 'COMPACTA'	DWARF INKBERRY HOLLY	24-30"
KLO	30	KALMIA LATIFOLIA 'OLYMPIC FIRE'	OLYMPIC FIRE MOUNTAIN LAUREL	30-36"
LF	26	LEUCOTHOE FONTANESIANA 'GIRARD RAINBOW'	RAINBOW LEUCOTHOE	18-24"
RCF	28	RHODODENDRON CALENDULACEUM	FLAME AZALEA	24-30"
RGS	23	RHODODENDRON X GABLE 'STEWARTSTONIAN'	STEWARTSTONIAN AZALEA	18-24"
RM	9	RHODODENDRON MAXIMUM 'ROSEBAY'	ROSEBAY RHODODENDRON	4-5'
SUBTOTAL:	176			
ROUND COVERS				
JHBH	31	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	15-18" SPRD.
RABFC	85	ROSA 'APPLE BLOSSOM FLOWER CARPET'	APPLE BLOSSOM CARPET ROSE	2 GAL.
SUBTOTAL:	116			
ERENNIALS				
COJ	525	CHRYSOGONUM VIRGINIANUM	GREEN-AND-GOLD	2 GAL.
CVR	80	COREOPSIS VERTICILLATA 'ROSEA'	ROSEA COREOPSIS	2 GAL.
HHR	93	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	2 GAL.
PL	191	PHLOX DIVARICATA 'BLUE MOON'	BLUE MOON WOODLAND PHLOX	2 GAL.
RFG	144	RUDBECKIA FULGIDA 'GOLDSTURM'	GOLDSTURM/BLACK-EYED SUSAN	2 GAL.
SUBTOTAL:	1033			
		1		
RNAMENTAL GRASSE	S			
CAKF	48	CALAMAGROSTIS ARUNDINACEA 'KARL FOERSTER'	FEATHER REED GRASS	2 GAL.
PAH	14	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2 GAL.
PVS	23	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	2 GAL.
SUBTOTAL:	85			
INES				
	13	PARTHENOCISSUS TRICUSPIDATA	BOSTON IVY	2 1/4" PEAT PC
PQ				

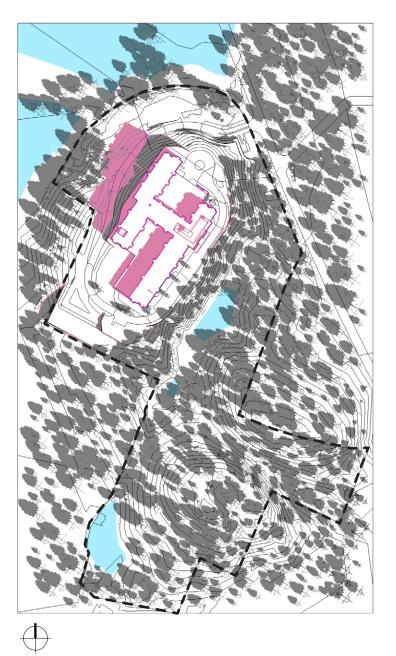


### LANDSCAPE SPECIFICATIONS

<ol> <li>SCOPE OF WORK:</li> <li>THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SODDING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR.</li> </ol>	<ul> <li>9.3. ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNE SHARP TOOLS. ONLY INJURED OR DISEASED BRANCH</li> <li>9.4. ALL PLANTING CONTAINERS, BASKETS AND NON-BIOD PLANTING. NATURAL FIBER BURLAP MUST BE CUT FR ROOT BALL PRIOR TO BACKFILLING.</li> </ul>
<ol> <li>MATERIALS</li> <li>GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.</li> </ol>	9.5. POSITION TREES AND SHRUBS AT THEIR INTENDED LO LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS,
<ul> <li>2.2. TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.</li> </ul>	9.6. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OC LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED A SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATI VINES OR GROUND COVER SHALL OCCUR ONLY DURI
2.3. LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM <u>6"</u> THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED <u>ON THE LANDSCAPE PLAN</u>	<ul><li>9.6.1. PLANTS: MARCH 15 TO DECEMBER 15</li><li>9.6.2. LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DEC</li></ul>
<ul> <li>2.3.1. LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED.</li> <li>2.3.2. SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE/PEST FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.</li> </ul>	<ul> <li>9.6.3. PLANTINGS REQUIRED FOR A CERTIFICATE OF OC SEASON AT THE MUNICIPALITY'S DISCRETION. CO SUBSTITUTIONS.</li> <li>9.7. FURTHERMORE, THE FOLLOWING TREE VARIETIES AR</li> </ul>
<ul> <li>2.4. MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A <u>3"</u> THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES /DETAILS.</li> <li>2.5. FERTILIZER</li> </ul>	SHOCK AND THE SEASONAL LACK OF NITROGEN AVAI RECOMMENDED THAT THESE SPECIES BE PLANTED D ACER RUBRUM PLATANUS
<ul> <li>2.5.1. FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.</li> <li>2.5.2. FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED</li> </ul>	BETULA VARIETIES POPULUS CARPINUS VARIETIES PRUNUS V CRATAEGUS VARIETIES PYRUS VA KOELREUTERIA QUERCUS VARIE LIQUIDAMBAR STYRACIFLUA TILIA TOMI
<ul> <li>SOIL LABORATORY.</li> <li>2.6. PLANT MATERIAL</li> <li>2.6.1. ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY &amp; LANDSCAPE ASSOCIATION</li> </ul>	LIRIODENDRON TULIPIFERA ZELKOVA 9.8. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS SHALL REST ON UNDISTURBED GRADE. EACH PLANT SOIL MIXED THOROUGHLY:
<ul> <li>(FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN).</li> <li>2.6.2. IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.</li> <li>2.6.3. PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT</li> </ul>	<ul><li>9.8.1. 1 PART PEAT MOSS</li><li>9.8.2. 1 PART COMPOSTED COW MANURE BY VOLUME</li><li>9.8.3. 3 PARTS TOPSOIL BY VOLUME</li></ul>
OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION. 2.6.4. TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 1¼", WHICH HAVE NOT BEEN COMPLETELY CALLUSED, SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY	<ul> <li>9.8.4. 21 GRAMS 'AGRIFORM' PLANTING TABLETS (OR AF</li> <li>9.8.4.1. 2 TABLETS PER 1 GALLON PLANT</li> <li>9.8.4.2. 3 TABLETS PER 5 GALLON PLANT</li> </ul>
TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. 2.6.5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH: WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.	9.8.4.3. 4 TABLETS PER 15 GALLON PLANT 9.8.4.4. LARGER PLANTS: 2 TABLETS PER ½" CALIPER 9.9. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-W
2.6.6. CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.	THOROUGHLY. 9.10. ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF AT GROUND LEVEL AND IN THE CENTER OF THE PIT. 1
<ul> <li>2.6.7. SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.</li> <li>2.6.8. TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.</li> <li>3. <u>GENERAL WORK PROCEDURES</u></li> </ul>	<ul> <li>9.11. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALF MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE.</li> <li>9.12. GROUND COVER AREAS SHALL RECEIVE A 1/" LAYER OF PLANTING. ALL GROUND COVER AREAS SHALL BE WE MANUFACTURER'S RECOMMENDATION.</li> </ul>
3.1. CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.	<ul><li>9.13. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR V STRUCTURES AND SIDEWALKS.</li><li>9.14. ALL PLANTING AREAS AND PLANTING PITS SHALL BE N</li></ul>
<ul> <li>3.2. WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.</li> <li>4. <u>SITE PREPARATIONS</u></li> <li>4.1 DEFORE AND DURING REFLIMINARY CRADING AND FINISHED CRADING. ALL WEEDS AND CRASSES SHALL BE DUG OUT BY THE</li> </ul>	SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE 9.15. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATE SPECIFICATIONS AS LISTED HEREIN.
<ul> <li>4.1. BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.</li> <li>4.2. ALL EXISTING THEES TO REMAIN SHALL BE DRUNED TO REMOVE ANY DAMAGED REAL/CHES. THE ENTIRE LIMB OF ANY</li> </ul>	10. TRANSPLANTING (WHEN REQUIRED) 10.1. ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT
4.2. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH COLLAR. CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.	<ul> <li>10.2. IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANT WATERED AND PROTECTED FROM EXTREME HEAT, SI</li> <li>10.3. PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BE</li> <li>10.4. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDER</li> </ul>
4.3. CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.	<ul> <li>10.5. TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGT</li> <li>10.6. F TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN THAN SIX INCHES (6") DBH MAY BE REQUIRED TO BE F</li> </ul>
5. <u>TREE PROTECTION</u> 5.1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE	REPLACEMENT GUIDELINES. 11. <u>WATERING</u>
<ul> <li>SHALL BE ESTABLISHED AT THE DRIP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED.</li> <li>5.2. A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY 'VISI-FENCE', OR APPROVED EQUAL, MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS</li> </ul>	11.1. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUA SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUC MATERIALS IN THE PLANTING HOLE ARE THOROUGHL ESTABLISHED.
<ul> <li>SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL.</li> <li>5.3. WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY</li> </ul>	<ul> <li>11.2. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE OF CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER PLANTED TREES.</li> <li>11.3. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON T</li> </ul>
<ul> <li>HAS BEEN COMPLETED.</li> <li>5.4. AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.</li> <li>SOIL MODIFICATIONS</li> </ul>	ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE 1 MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH 12. <u>GUARANTEE</u>
6.1. CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.	12.1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE A INSTALLATION BY THE APPROVING AGENCY. CONTRA PERCENT (10%) OF THE VALUE OF THE LANDSCAPE IN GUARANTEE PERIOD AND WHEN A FINAL INSPECTION
<ul> <li>6.2. LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.</li> <li>6.3. THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION</li> </ul>	REPRESENTATIVE. 12.2. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REP PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRS
OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY. 6.3.1. TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE	OFF-SITE, WITHOUT EXCEPTION. 12.3. TREES AND SHRUBS SHALL BE MAINTAINED BY THE C MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTI SHALL BE PERFORMED AS NECESSARY TO KEEP PLAN
<ul> <li>TOP 6-12". USE COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.</li> <li>6.3.2. TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE</li> </ul>	12.4. LAWNS SHALL BE MAINTAINED THROUGH WATERING, SUCH AS ROLLING, REGARDING AND REPLANTING AS ERODED OR BARE AREAS.
<ul> <li>BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM. COARSE SAND MAY BÉ USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.</li> <li>6.3.3. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM</li> </ul>	<ol> <li><u>CLEANUP</u></li> <li>UPON THE COMPLETION OF ALL LANDSCAPE INSTALLA REMOVE ALL UNUSED MATERIALS, EQUIPMENT AND D</li> </ol>
UP TO 30% OF THE TOTAL MIX. 7. <u>FINISHED GRADING</u>	<ul><li>13.2. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AN AUTHORIZED REPRESENTATIVE.</li><li>14. MAINTENANCE (ALTERNATIVE BID):</li></ul>
<ul> <li>7.1. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.</li> <li>7.2. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE</li> </ul>	14.1. A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE A MAINTENANCE PERIOD ENSURES TO THE OWNER/OPE MAINTAINED AS SPECIFIED ON THE APPROVED LANDS
<ul> <li>SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1"±).</li> <li>7.3. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENCINEER OF LANDSCARE APCHITECT</li> </ul>	EXPIRED, THE OWNER/OPERATOR MAY REQUEST THA MAINTENANCE CONTRACT. THE ALTERNATE MAINTEN APPROPRIATE TO ENSURE THAT PLANT AND LAWN AF OWNER/OPERATOR.
ENGINEER OR LANDSCAPE ARCHITECT. 7.4. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.	
<ol> <li><u>TOPSOILING</u></li> <li>8.1. CONTRACTOR SHALL PROVIDE A <u>6"</u> THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS.</li> </ol>	
<ul> <li>ACHIEVE THE DESIRED COMPACTED THICKNESS.</li> <li>8.2. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.</li> </ul>	
8.3. CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY NEED TO BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.	"NEW ENGLAND SHOWY WILDFLOWER APPLICAT SEED MIX" AS PREPARED BY: SPECIES
8.4. ALL LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6"). ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE FOLLOWING SHALL BE TILLED INTO THE TOP FOUR INCHES (4") IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE FOOT AREA - FOR BID PURPOSES ONLY [SEE SPECIFICATION 6.A.]):	NEW ENGLAND WETLAND PLANTS, INCGrass (So820 WEST STREET, AMHERST, MA 01002(Elymus caPHONE:413-548-8000tuberosa),EMAIL:INFO@NEWP.COMlanceolataWEBSITE:WWW.NEWP.COMautumnale
<ul> <li>8.4.1. 20 POUNDS 'GRO-POWER' OR APPROVED SOIL CONDITIONER/FERTILIZER</li> <li>8.4.2. 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP OR APPROVED NITROGEN FERTILIZER</li> </ul>	WEBSITE: WWW.NEWP.COM autumnate England A HollowSter Goldenrod
<ul> <li>8.5. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.</li> <li>9. <u>PLANTING</u></li> <li>9.1. INSOFAR THAT IT IS FEASIBLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE LANDSCAPE CONTRACTOR SHALL PROTECT UNINISTALLED BLANT MATERIAL. PLANTS SHALL NOT REMAIN</li> </ul>	
<ul> <li>NOT POSSIBLE, LANDSCAPE CONTRACTOR SHALL PROTECT UNINSTALLED PLANT MATERIAL. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. PLANTS THAT WILL NOT BE PLANTED FOR A PERIOD OF TIME GREATER THAN THREE DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH TO HELP PRESERVE ROOT MOISTURE.</li> <li>9.2. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN</li> </ul>	
TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.	NEW ENGLAND SHOW
	SPEC



SHADOW STUDIES

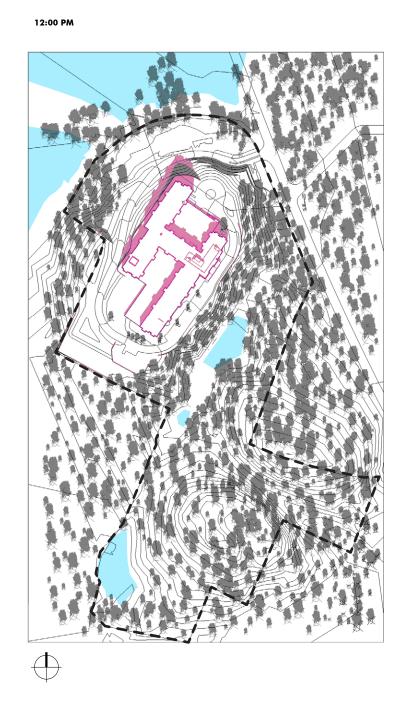


9:00 AM

SPRING EQUINOX - MARCH 20TH

- VERNAL POOL

- SHADOW CAST BY BUILDING



3:00 PM

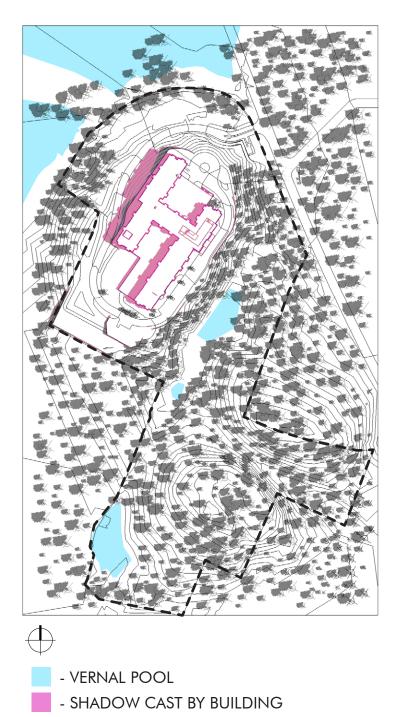
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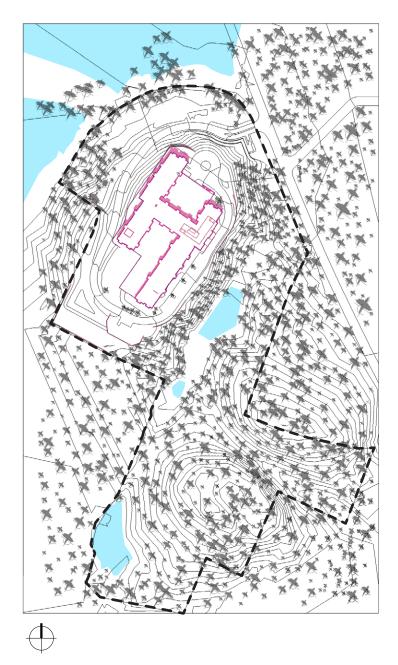


SUMMER SOLSTICE - JUNE 20TH

9:00 AM



12:00 PM



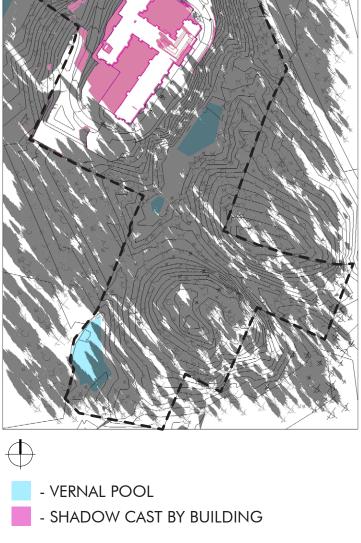
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SHADOW STUDIES - SUMMER SOLSTICE | EMBARC



**A3** 



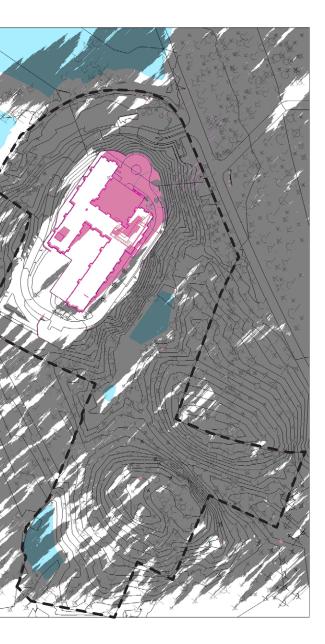
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WINTER SOLSTICE - DECEMBER 21ST



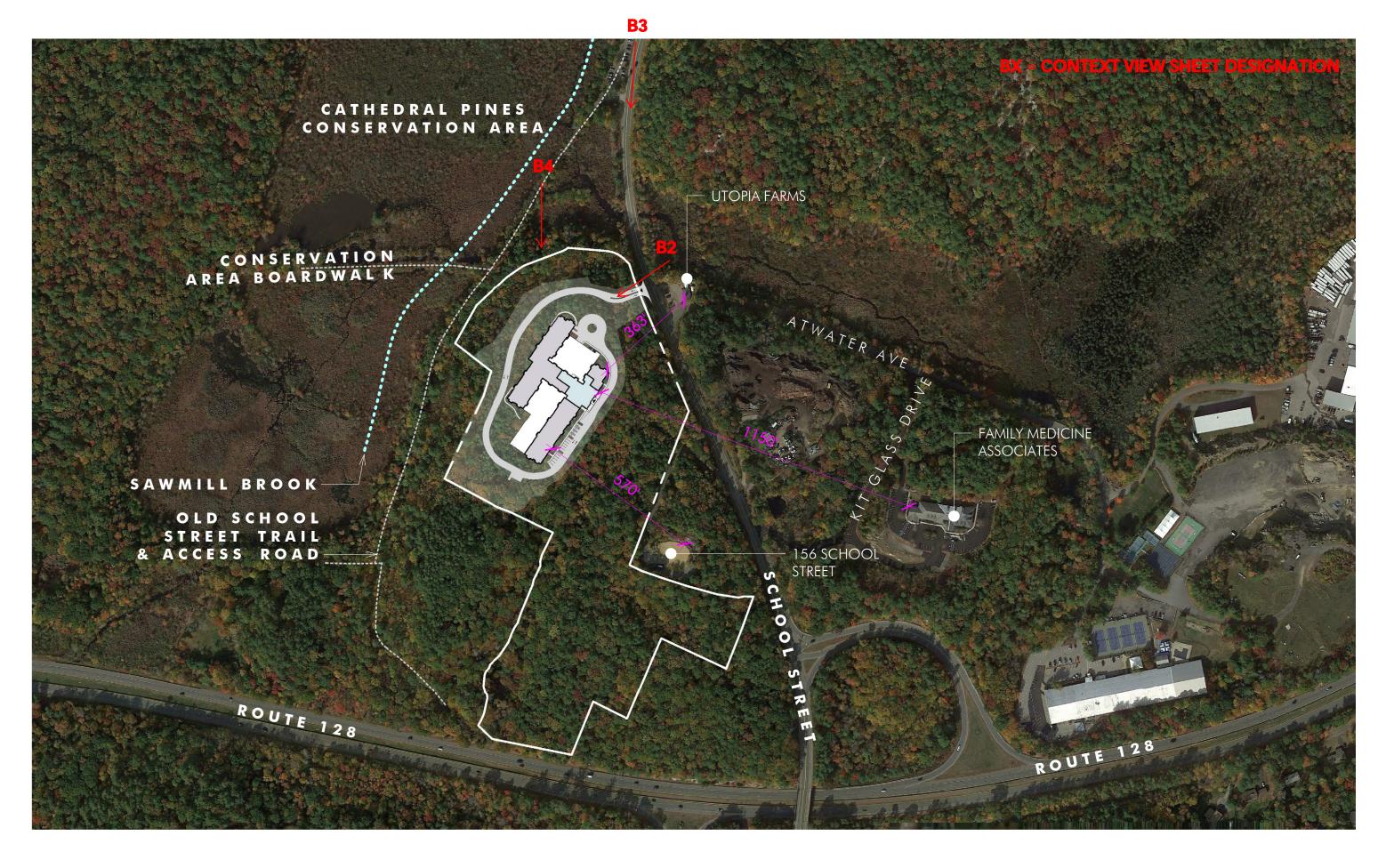
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## CONTEXT RENDERINGS



### CONTEXT VIEW KEY PLAN | EMBARC



PERSPECTIVE AT SCHOOL STREET DRIVE ENTRY | EMBARC



PERSPECTIVE FROM PARKING LOT | EMBARC



PERSPECTIVE FROM OLD SCHOOL STREET WALKING PATH EMBARC