

LEMON BROOKE

10 Concord Crossing, Concord MA 01742

T 978.222.3700

April 30, 2024

Attn: James Liebman, AIA

Subject: Franklin Elementary School – Tree Protection, Removal, and Replacement

Dear James,

City of Newton Tree Preservation Ordinance (as of March 2024) requires replacing caliper inches for healthy trees at 6 caliper inches or above. City of Newton Arborist reviewed the trees on the project site in late 2023 and produced a plan and spreadsheet detailing which tree caliper inches needed to be replaced if they were to be removed. The enclosed plans detail removal (Site Preparation Plan) and proposed replacement (Planting Plan) of all caliper inches required by current Ordinance.

Tree Caliper Inches Removed: 241 inches

Tree Caliper Inches Proposed: 270 inches (90 trees at 3" planted)

The enclosed documents include the following:

Site Preparation Plans: L-0.01 Tree Removal and Site Preparation, C-0.01 Civil Site Preparation include:

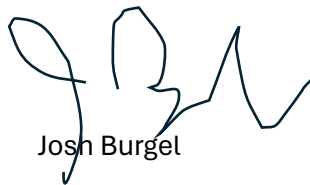
1. Survey
2. Limit of work with erosion controls and fencing
3. Tree Protection Fencing
4. All trees that are being removed from the site, including 13 small trees that are to be transplanted off-site prior to construction.
5. L-0.01 includes a table indicating trees 6" caliper and up deemed to require replacement by the City Arborist.

Planting Plans at Schematic Design Level (pending cost estimating and potential value engineering): L-3.00 Planting List and Notes, L-3.01 Planting Plan include:

1. Planting Plan showing proposed tree planting.
2. Plant list with trees selected from the amended City of Newton tree list.

Please let us know if you have any questions or concerns.

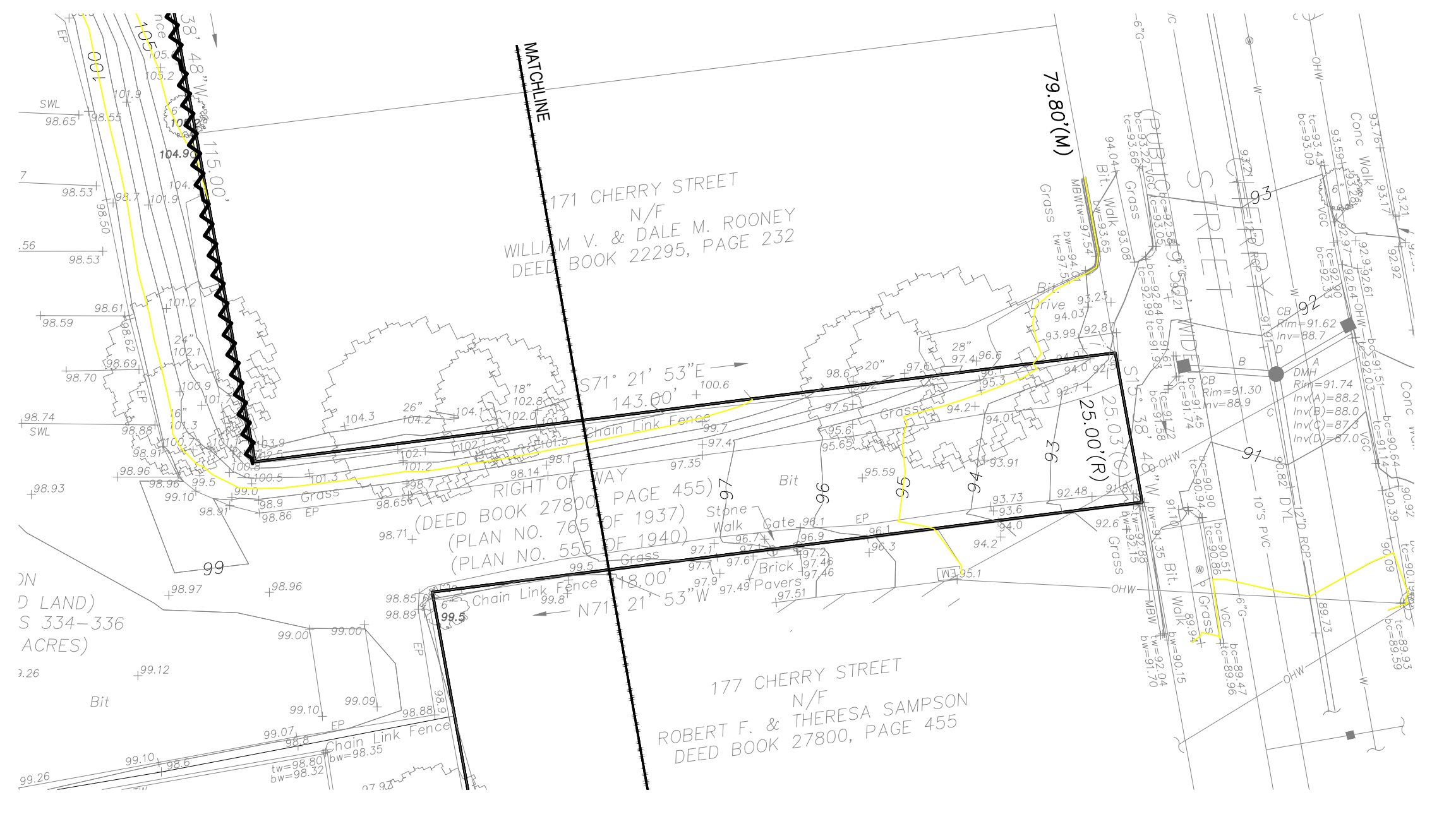
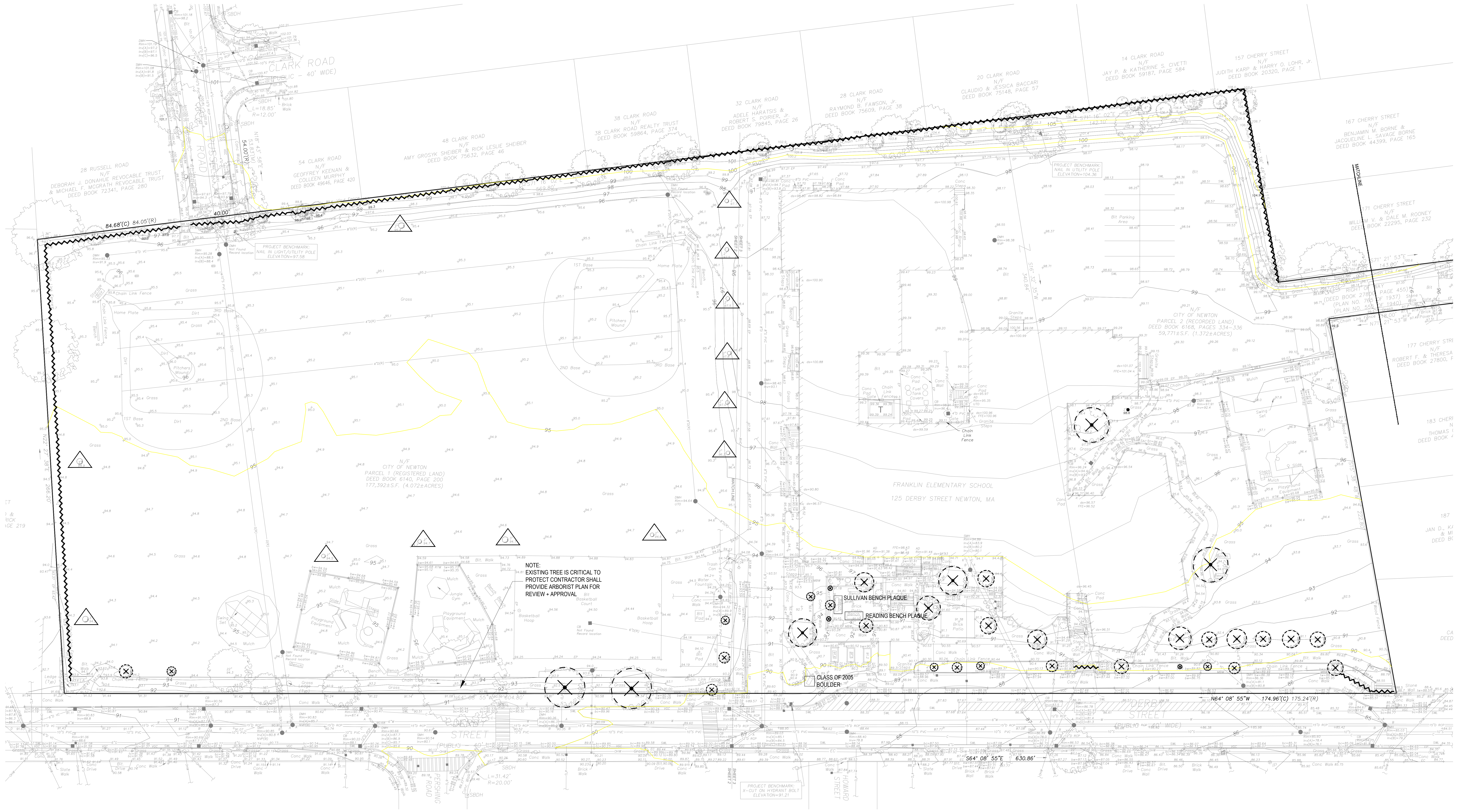
Sincerely,



Josh Burgel

Principal, Lemon Brooke

Attachments



DEMOLITION LEGEND

SYMBOL	DESCRIPTION	COMMENTS
—	LIMIT OF WORK	TO BE CONFIRMED IN THE FIELD BY LANDSCAPE ARCHITECT
—	PROPERTY LINE	
* (X)	EXISTING TREE TO BE REMOVED AND DISPOSED	TO BE CONFIRMED IN THE FIELD BY LANDSCAPE ARCHITECT & OWNER'S REP
□	EXISTING SITE ELEMENTS TO REMAIN AND BE PROTECTED	TO BE CONFIRMED IN THE FIELD BY LANDSCAPE ARCHITECT & OWNER'S REP. SEE TREE PROTECTION DETAIL
~	EXISTING FENCE WALL OR EDGE MATERIAL TO BE REMOVED AND DISPOSED	SAWCUT CLEANLY, REMOVE ALL FOOTINGS
△	EXISTING TREE TO BE TRANSPANTED	OFFSITE IN NEWTON CARE BY TOWN
○	EXISTING TREE TO REMAIN	

REVIEW LAYOUT, MATERIALS, AND GRADING PLANS FOR SITE PREPARATION EXTENTS AND LOCATIONS, FOR SAWCUTS AND OTHER ITEMS TO REMAIN

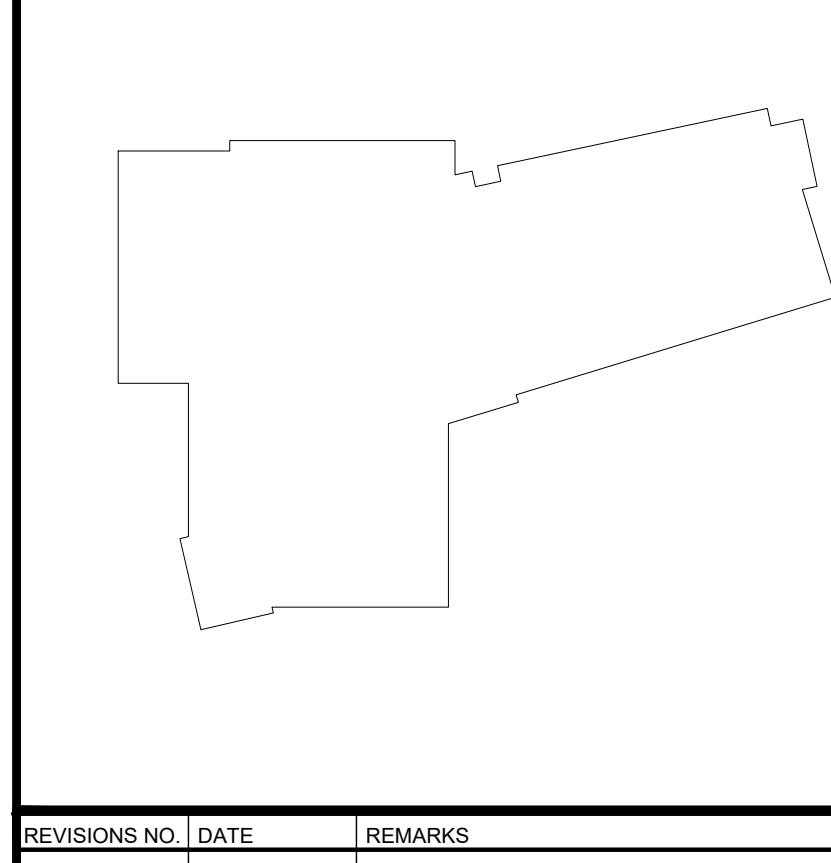
*** 241 TREE CALIPER INCHES REMOVED (6" OR LARGER/DEEMED NEEDING REPLACEMENT BY CITY ARBORIST)**

DEMOLITION AND SITE PREPARATION NOTES

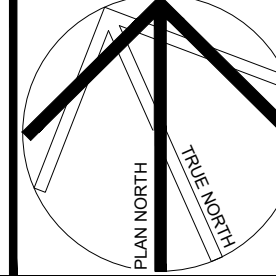
- FOR ALL ELEMENTS BESIDES TREES, EXTERIOR FENCING, DERBY ST WALL, AND BENCH PLAQUES, RE CIVIL.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG SAFE (1-800-DIG-SAFE) AND SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, PAVEMENTS, ETC. WHICH OCCURS AS A RESULT OF THE SITE PREPARATION, DEMOLITION, OR CONSTRUCTION AT NO COST TO THE OWNER. CONTRACTOR SHALL MEET LINE AND GRADE OF EXISTING CONDITIONS AT LIMIT OF WORK.
- ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED TO PREVENT TRACKING OF DEBRIS ONTO PUBLIC WAYS. ANY DEBRIS ON PUBLIC WAYS ORIGINATING FROM THE JOB SITE SHALL BE CLEANED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- BEFORE ANY PLANT MATERIAL IS REMOVED THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON SITE WITH THE LANDSCAPE ARCHITECT TO IDENTIFY PLANT MATERIALS WHICH ARE TO BE REMOVED, AS WELL AS THOSE WHICH ARE TO BE PROTECTED. DO NOT BEGIN CLEARING WITHOUT A CLEAR UNDERSTANDING OF EXISTING VEGETATION TO BE PRESERVED.
- ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS APPLICABLE, AND LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR OR REUSED AS DIRECTED BY THE OWNER.
- AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGES OF EXISTING PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE OR AS OTHERWISE NOTED ON PLANS. REMOVAL OF PAVEMENTS TO ACCOMMODATE CURBING INSTALLATION SHALL BE INCIDENTAL TO THE CURBING REMOVAL UNIT COST.
- STORAGE STAGING AREAS FOR THE CONTRACTOR'S EQUIPMENT AND MATERIALS SHALL BE LOCATED WITHIN CLOSE PROXIMITY TO THE SITE AND/OR STAGING AREA AND SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL REPORT TO THE LANDSCAPE ARCHITECT ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND ELEMENTS SHOWN ON PLANS BEFORE PRICING THE WORK. IF THERE IS A DISCREPANCY BETWEEN QUANTITIES SHOWN ON THE PLAN AND ON THE SITE CONTRACTOR SHALL ASSUME HIGHER QUANTITIES SHALL GOVERN.
- TREES SHALL BE PRUNED FOLLOWING THE STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1) STANDARDS REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL. ALL ROOTING AREAS SHALL BE DE-COMPACTED AND ROOTS MULCHED PER CONTRACTOR'S ARBORIST.
- THIS DRAWING IS FOR SURFACE MATERIALS AND ASSOCIATED APPURTENANCES. REFER TO CIVIL DRAWINGS FOR UTILITY, DRAINAGE AND SUBSURFACE WORK.
- ALL STOCKPILED MATERIALS SHALL BE CLEANED OF DELETERIOUS MATERIALS, CATALOGED AND SECURELY STORED FOR RE-USE ON SITE. UNSUITABLE MATERIALS SHALL BE DISPOSED OF. SUBMIT CLEANING METHODS AND CATALOGUE TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CATALOGUE SHALL INCLUDE DIMENSIONS, PHOTOGRAPHS, AND TRACKING SYSTEM.
- CONTRACTOR SHALL OBTAIN SWPPP AND INSTALL ALL EROSION CONTROL MEASURES AS REQUIRED, THESE SHALL INCLUDE BUT NOT BE LIMITED TO: FILTER FABRIC, FILTER SOCKS, HAY BALE, CATCH BASIN SACKS, ETC. AS NEEDED TO PROTECT THE SURROUNDING ENVIRONMENT FROM THE TRANSPORTATION OF SILT, SEDIMENT, CONTAMINANTS AND DEBRIS FROM THE PROJECT LIMITS.
- ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. ANY WORK WITH CRITICAL ROOTING ZONE SHALL REQUIRE AIR SPADING.



KEYPLAN



REVISIONS NO.	DATE	REMARKS



PROJECT NOTES

- ALL PLAN AND DETAIL NOTES ARE A REQUIREMENT AND FULLY A PART OF THE CONSTRUCTION DRAWINGS.
- SPECIFICATIONS ARE FULLY A PART OF THE CONSTRUCTION CONTRACT DOCUMENTS AND TAKE PRECEDENCE OVER DRAWINGS. THE CONTRACTOR IS TO MAINTAIN AND KEEP A SET OF SPECIFICATIONS AT THE JOBSITE AT ALL TIMES THROUGHOUT THE DURATION OF THE WORK.
- THE DESIGN SHOWN IN THESE DRAWINGS IS BASED UPON PROFESSIONAL PRACTICE, THE DIGITAL FILES PROVIDED AND OWNER SUPPLIED DATA. ANY DISCREPANCIES SHALL BE HIGHLIGHTED AND REVIEWED BY THE ARCHITECT OF RECORD.
- ALL UNDERGROUND AND ABOVE GRADE UTILITIES HAVE BEEN COORDINATED TO THE EXTENT POSSIBLE WITH THE DATA PROVIDED. UTILITIES IN CONFLICT WITH THE FINISH LANDSCAPE SITE WORK ARE TO BE VERIFIED AND REVIEWED PRIOR TO INSTALLATION. ANY INSTALLED UTILITIES THAT ARE IN CONFLICT WITH LANDSCAPE ELEMENTS ARE SUBJECT TO RELOCATION.
- WHERE THE DRAWINGS ARE FOUND TO BE IN CONFLICT, OR WHERE VARIOUS ITEMS OF WORK ARE SEEN TO BE IN CONFLICT, NOTIFY OWNER OR OWNER'S REPRESENTATIVE IN WRITING IMMEDIATELY FOR DIRECTION, PRIOR TO PROCEEDING WITH THE WORK.
- LIMIT WORK TO THE AREAS INDICATED AND NOT BEYOND THE LIMIT OF THE PREMISES. DO NOT DISTURB PORTIONS OF THE SITE BEYOND IN WHICH THE WORK IS INDICATED. KEEP ENTRANCES AND DRIVEWAYS SERVING PREMISES CLEAR AND AVAILABLE TO THE OWNER, PUBLIC AND EMERGENCY VEHICLES AT ALL TIMES. DO NOT USE THESE AREAS FOR PARKING THAT MINIMIZE THE USE OF DRIVEWAYS AND ENTRANCES.
- THE LOCATION AND EXISTENCE OF SITE IMPROVEMENTS, UTILITIES AND OTHER CONSTRUCTION INDICATED AS EXISTING ARE NOT GUARANTEED BEFORE BEGINNING THE WORK. INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF MECHANICAL SYSTEMS, ELECTRICAL SYSTEMS, PLANTING, HARDSCAPE AND OTHER CONSTRUCTION AFFECTING THE WORK. BEFORE CONSTRUCTION, VERIFY THE POINTS AND LOCATION OF CONNECTIONS OF UTILITY SERVICES THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK. ANY DAMAGE TO UTILITIES CAUSED BY ANY PERSON, VEHICLE, EQUIPMENT, OR TOOL RELATED TO THE EXECUTION OF THE CONTRACT SHALL BE REPAIRED WITHOUT DELAY AT NO EXPENSE TO THE OWNER.
- COORDINATE CONSTRUCTION AND OPERATIONS OF WORK PERFORMED BY OWNER'S CONSTRUCTION CONSULTANTS. INFORM OWNER OF CONTRACTOR'S PREFERRED CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION. ADJUST CONSTRUCTION SCHEDULE BASED UPON A MUTUALLY AGREED UPON TIMETABLE. NOTIFY THE OWNER IF CHANGES TO SCHEDULE ARE REQUIRED DUE TO DIFFERENCE IN ACTUAL CONSTRUCTION, SEASONAL CONSTRAINTS OR WEATHER EVENTS.
- DO NOT BEGIN WORK UNTIL CONTRACTOR'S "CONSTRUCTION SET" DRAWINGS ARE CURRENT AND HAVE ALL REQUIRED PUBLIC AGENCY APPROVALS
- VERIFY PROPERTY LINES AND LIMITS OF WORK IN THE FIELD PRIOR TO COMMENCING OF WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE.
- ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITION OF THE UNIFORM BUILDING CODE AND OTHER APPLICABLE CODES, STATUTES AND ORDINANCES.
- UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL LEAVE THE SITE AND BUILDING CLEAN AND SUITABLE FOR OCCUPANCY.
- THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL PROTECT EXISTING CONSTRUCTION AND LANDSCAPING TO REMAIN, AS SPECIFIED BY THE OWNER FROM DAMAGE DURING CONSTRUCTION.
- CONTRACTOR SHALL SUBMIT COPIES OF ALL SHOP DRAWINGS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION OF RELATED WORK, AND ALLOW AMPLE TIME FOR LANDSCAPE ARCHITECT'S REVIEW AND COORDINATION PER THE SPECIFICATIONS.
- THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONSULTANT TEAMS CONTRACT DOCUMENTS AND WITH THE INFORMATION FURNISHED BY THE OWNER AND SHALL IMMEDIATELY REPORT TO THE LANDSCAPE ARCHITECT ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED TO THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL NOT BE LIABLE TO THE OWNER OR LANDSCAPE ARCHITECT FOR DAMAGE RESULTING FROM ERRORS, INCONSISTENCIES, OR OMISSIONS IN THE CONTRACT DOCUMENTS UNLESS THE CONTRACTOR RECOGNIZED SUCH ERROR, INCONSISTENCY, OR OMISSION AND KNOWINGLY FAILED TO REPORT IT TO THE LANDSCAPE ARCHITECT. IF THE CONTRACTOR KNOWINGLY PERFORMS ANY CONSTRUCTION ACTIVITY INVOLVING A RECOGNIZED ERROR, INCONSISTENCY, OR OMISSION IN THE THE CONTRACT DOCUMENTS WITHOUT SUCH NOTICE TO THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL ASSUME APPROPRIATE RESPONSIBILITY FOR SUCH PERFORMANCE AND SHALL BEAR AN APPROPRIATE AMOUNT OF THE ATTRIBUTABLE COSTS FOR CORRECTION.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE CONTRACTOR'S PROFESSIONAL SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR IS REQUIRED TO: 1) REVIEW A SPECIFIED CONSTRUCTION OR INSTALLATION PROCEDURE INCLUDING THOSE RECOMMENDED BY THE MANUFACTURERS. 2) ADVISE THE LANDSCAPE ARCHITECT IF THE SPECIFIED PROCEDURE DEVIATES FROM GOOD CONSTRUCTION PRACTICE OR IF IT WILL AFFECT ANY WARRANTY, INCLUDING MANUFACTURER'S WARRANTIES AND/OR THE CONTRACTOR'S GENERAL WARRANTY. 3) BASED UPON ANY OF OBJECTIONS THE CONTRACTOR'S MAY HAVE TO THE PROCEDURE PROPOSE AN ALTERNATIVE INSTALLATION WHICH THE CONTRACTOR WILL WARRANT.
- THE CONTRACTOR SHALL TAKE ADEQUATE SAFEGUARDS AGAINST HARM TO THE OCCUPANTS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, SAFE AND ADEQUATE ACCESS INTO AND OUT OF THE BUILDING AND PROPERTY DURING CONSTRUCTION.
- SUBMIT REQUESTS FOR MEETINGS, OBSERVATIONS AND APPROVALS BY THE LANDSCAPE ARCHITECT A MINIMUM OF 2 WORKING DAYS PRIOR TO THE DATE AND TIME PROPOSED.
- CONTRACTOR TO COORDINATE A PRE-CONSTRUCTION MEETING ON SITE A MINIMUM OF 2 WORKING DAYS PRIOR TO START OF CONSTRUCTION. NOTIFY OWNER, LANDSCAPE ARCHITECT AND ALL SUB CONTRACTORS.

CONSTRUCTION NOTES

- PRIOR TO BEGINNING WORK, VERIFY ALL SITE CONDITIONS INCLUDING UNDERGROUND UTILITIES AND ABOVE GRADE FEATURES SUCH AS GRADING, WALLS, FENCES, LIGHTING, OR OTHER STRUCTURES. CONTRACTOR TO NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES FROM THE DRAWINGS ARE FOUND, BEFORE PROCEEDING WITH ANY WORK.
- THE LOCATION OF ALL SERVICE RUNS AND UTILITIES, SUCH AS WATER SUPPLY, ELECTRICAL (OVERHEAD AND UNDERGROUND), TELEPHONE, DATA, SANITARY SEWER, ETC. SHALL BE ASCERTAINED BEFORE WORK IS STARTED. WHERE UTILITY SERVICES WILL BE AFFECTED BY EXCAVATION OR WHERE MACHINES MAY BE WORKING NEARBY, THEY SHOULD BE CAREFULLY SEALED, PROTECTED, OR DIVERTED. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.
- WHERE CONFLICTS OCCUR BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS, NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY FOR CLARIFICATION. FAILURE TO PROVIDE NOTIFICATION MAY HOLD CONTRACTOR LIABLE FOR COSTS INCURRED TO RECTIFY PROBLEM, IF REQUIRED.
- PRIOR TO INSTALLATION OF ANY PAVING, REFER TO PROJECT'S GEOTECHNICAL REPORT. REPORT DISCREPANCIES BETWEEN GEOTECHNICAL REPORT RECOMMENDATIONS AND INFORMATION NOTED IN THE PAVING SCHEDULE, PAVING DETAILS, OR PAVING SPECIFICATIONS.
- BEFORE COMMENCING ANY WORK, OBTAIN AN UNDERGROUND SERVICE I.D. BY CALLING DIG ALERT. A MINIMUM OF 2 WORKING DAYS PRIOR TO ANY EXCAVATION. REGISTER PROJECT WITH THE LOCAL UNDERGROUND UTILITY MARKING ENTITY, I.E. DIGSAFE, MISS UTILITY, DIG ALERT, ETC. WWW.CALL811.COM.
- ENSURE THE FINE GRADES HAVE BEEN ESTABLISHED CORRECTLY AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO BEGINNING ANY PAVING, PLANTING AND IRRIGATION WORK.
- VERIFY THAT AT GRADE UTILITY VAULTS, HAND HOLES AND MANHOLES ARE INSTALLED AT THE CORRECT FINISH ELEVATIONS, PLUMB, SQUARE AND ALIGNED WITH PAVEMENT EDGES. MISALIGNED AND CROOKED GROUND BOXES SHALL BE ADJUSTED OR CORRECTED PRIOR TO PAVING INSTALLATION AT NO COST TO THE OWNER. REPORT ALL DISCREPANCIES TO THE LANDSCAPE ARCHITECT. NO EXCEPTIONS.
- PROVIDE THE FOLLOWING GRADE DROPS FORM PAVING FINISH SURFACE: TURF AREAS -1 1/2"; GROUND COVER AREAS -2".
- ENSURE THAT ALL UNDERGROUND ELEMENTS NECESSARY FOR THIS PROJECT ARE INSTALLED CORRECTLY, IN THE CORRECT LOCATIONS, PASSED INSPECTION AND APPROVED BY THE OWNERS AUTHORIZED REPRESENTATIVE PRIOR TO COVERING AND HARDSCAPE INSTALLATION.
- OBTAIN INSPECTION AND APPROVAL OF FULLY CONSTRUCTED FORMWORK FOR ALL FORMS FOR CAST-IN-PLACE CONCRETE PRIOR TO PLACING CONCRETE.
- TRANSITIONS FROM EXISTING PAVING SHALL BE FLUSH.
- PAVING MOCK-UPS ARE REQUIRED FOR ALL PAVING ON THIS PROJECT. REFER TO SPECIFICATIONS AND PAVING SCHEDULE FOR REQUIREMENTS. IN PLACE "OR AS A PART OF THE WORK" REQUIRE PRIOR APPROVAL FROM THE LANDSCAPE ARCHITECT.
- PAVING FINISH SURFACES TO SLOPE TOWARDS DRAIN INLETS, DRAINAGE AREAS/SWALES AND AS SHOWN ON THE GRADING PLANS. INSTALL CONCRETE FORMS WITH LONG SMOOTH GRADIENTS TO ELIMINATE DIPS, RIDGES, ABRUPT CHANGES OF GRADE AND SHARP TRANSITIONS.
- WHEN FINISH IS CALLED OUT AS BROOM FINISH THE DIRECTION OF BROOMING SHALL BE PERPENDICULAR TO THE LENGTH OF THE PAVING SLAB, STRAIGHT, TRUE AND A UNIFORM AND MATCHING TEXTURE THROUGHOUT THE ENTIRE PROJECT.
- EXPANSION JOINTS SHALL BE INSTALLED AT ALL LOCATIONS WHERE RIGID PAVING ABUTS A VERTICAL SURFACE SUCH AS WALLS, STEPS, CURBS, COLUMNS OR BUILDING WALLS.
- COORDINATE ALL UTILITY RUNS AND INSTALLATION (EXISTING AND NEW) PRIOR TO PAVING INSTALLATION. VERIFY INSTALLATION OF SLEEVES FOR ALL IRRIGATION, SITE LIGHTING AND ELECTRICAL ROUTING PRIOR TO INSTALLING PAVING BASE AND PAVING.
- INSTALL CONCRETE THAT OBTAINS THE MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS UNLESS OTHERWISE SPECIFIED ON THESE PLANS AND DETAILS. SUBMIT SAMPLE TO OWNER AND LANDSCAPE ARCHITECT PRIOR TO LAYING OUT FORMS. INSTALL CONCRETE FLATWORK PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. IN CASE OF CONFLICT BETWEEN SOILS REPORT AND DETAILS, THE MOST STRINGENT REQUIREMENTS WILL APPLY. SEE SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO PROTECT PERSONNEL AND ADJACENT PROPERTY DURING CONSTRUCTION. THE CONTRACTOR SHALL ADEQUATELY BRACE ELEMENTS OF THE STRUCTURE DURING CONSTRUCTION TO ENSURE THE SAFETY OF THE SITE AND/OR STRUCTURES.
- THERE SHALL BE NO DEVIATIONS FROM STRUCTURAL DETAILS WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
- NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED, BORED OR OTHERWISE WEAKENED, EXCEPT AS ALLOWED BY THE UNIFORM BUILDING CODE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL CONCRETE SLABS, RAMPS OR STEP FOOTINGS SHALL BE DOWELED UNLESS NOTED OR DETAILED OTHERWISE.
- NOTES AND DETAILS ON SPECIFIC DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

TREE TRANSPLANT NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY UTILITIES AND CONFLICTS IN PLANTING AND IRRIGATION.
- TREES SHALL BE DIRECTLY TRANSPLANTED FROM FRANKLIN ELEMENTARY SCHOOL DURING MARCH - EARLY APRIL UNDER THE DIRECT SUPERVISION OF A ISA CERTIFIED ARBORIST. BACKFILL MATERIAL SHALL BE PLANTING SOIL.
- CONTRACTOR SHALL HIRE ISA CERTIFIED ARBORIST EXPERIENCED WITH TRANSPLANTING URBAN TREES TO OVERSEE AND ADVISE ON TRANSPLANTING (REMOVE, TRAVEL, PLACE, CARE, ETC) TREES. ARBORIST SHALL SUBMIT TRANSPLANTING PLAN AND SPECIFICATIONS FOR REVIEW AND APPROVAL BY OWNER'S LANDSCAPE ARCHITECT. OTHER SUBMITTALS INCLUDE TREE PLANTING SOIL, SOIL AMENDMENTS, ROOT GROWTH HORMONES, MULCH, CERTIFICATIONS, WATERING BAG, SUBGRADE TREE STABILIZATION, AND ANY OTHER PRODUCTS DEEMED NECESSARY FOR THE COMPLETION OF THE WORK.
- DOCUMENT EXISTING TREE DAMAGE PRIOR TO DIGGING. SUBMIT DOCUMENTATION TO OWNER'S LANDSCAPE ARCHITECT.
- TREES SHALL BE TRANSPLANTED AND MEET ALL THE REQUIREMENTS TYPICAL FOR FIELD GROWN TRANSPLANTED TREES. ROOT BALL DIAMETERS SHALL BE OF SIMILAR SIZE (OR LARGER) AS THE ANSI Z60.1 REQUIREMENTS FOR BALLED AND BURLAPPED PLANTS - SEE NOTE 4.
- UNDER SUPERVISION OF ARBORIST, TREES SHALL BE HARVESTED PRIOR TO LEAFING OUT (BUD BREAK) IN THE SPRING. HARVESTING SHALL CONSIST OF LOOSENING SOIL AROUND ALL ROOTS, TO ROOT TIP EXTENT. LIFTING TREES USING SPADE OR FORK. CONTRACTOR SHALL ENDEAVOR TO RETAIN SOIL TO EXISTING ROOT TIPS. AIR SPADING OR OTHER EXCAVATION TECHNIQUES FOR LOOSENING SOIL OR LIFTING TREES MAY BE UTILIZED AT NO ADDITIONAL COST TO THE OWNER.
- TREES SHALL BE MOVED AND PLANTED WITHIN 3 HOURS OF THE INITIAL HARVESTING AND SHALL REMAIN IN THE SPADE MACHINE UNTIL PLANTED OR ROOT PROTECTED. ANY DAMAGE TO TREES SHALL BE CAUSE FOR IN-KIND TREE REPLACEMENT BY SPECIES AND CALIPER AT NO ADDITIONAL COST TO OWNER. HOLES SHALL BE PRE-DUG TO MAXIMUM ROOT BALL SIZE.
- TREES SHALL BE MARKED ON THE NORTH SIDE PRIOR TO DIGGING. THEY SHALL BE INSTALLED WITH SAME ORIENTATION.
- AFTER INSTALLING THE TREE, LOOSEN THE SOIL ALONG THE SEAM BETWEEN THE ROOT BALL AND THE SURROUNDING SOIL OUT TO A RADIUS FROM THE ROOT BALL EDGE EQUAL TO THE DIAMETER OF THE ROOT BALL TO A DEPTH OF 8 - 10 INCHES BY HAND DIGGING TO DISTURB THE SOIL INTERFACE. FILL ANY GAPS BELOW THIS LEVEL WITH LOOSE SOIL.
- INSTALL SUBGRADE TREE STABILIZATION (ARBORGUY OR APPROVED EQUAL).
- BACKFILL TREE PIT WITH TREE PLANTING SOIL. ROOT GROWTH PROMOTING LIQUIDS, MYCORRHIZAL INOCULANTS, AND COMPOST/SAND MIXTURE TO ARBORISTS SPECIFICATIONS IN 6" LIFTS, WATERING BETWEEN EACH LIFT.
- APPLY THREE (3) INCHES HARDWOOD MULCH TO SOIL SAUCER. SOIL SAUCER SHALL EXTEND 6' FROM TREE TRUNK AND EDGES SHALL BE FORMED OF SOIL THREE INCHES HIGH.
- WATERING: CONTRACTOR SHALL WATER TREE FULLY AFTER TRANSPLANTING AND COORDINATE WITH CITY OF CAMBRIDGE TO DIRECT EXISTING IRRIGATION TO ENSURE COMPLETE WATERING OF TREES UNTIL WARRANTY PERIOD CONCLUDES.
- WARRANTY PERIOD: 1 YEAR AFTER SUBSTANTIAL COMPLETION. CONTRACTOR SHALL SUBMIT, IN WRITING TO LANDSCAPE ARCHITECT, LETTER INDICATING START/STOP OF WARRANTY PERIOD. CONTRACTOR SHALL MAINTAIN TREES, ADJUST WATERING RATES, AND PROVIDE FOR TREE ESTABLISHMENT DURING THIS PERIOD. IF TREES FAIL OR SHOW SIGNS OF DECLINE DURING THIS PERIOD, CONTRACTOR SHALL REPLACE TREE AT NO ADDITIONAL COST TO OWNER.
- CLEANUP: CONTRACTOR SHALL REPAIR ALL TURF DAMAGE, INCLUDING BUT NOT LIMITED TO DECOMPACTION, LOAMING, SEEDING, AND MAINTENANCE OF DAMAGED LAWNS. ALL REFUSE, UNSUITABLE OR EXCESS SOILS, AND OTHER WASTE PRODUCTS SHALL BE REMOVED AND DISPOSED.

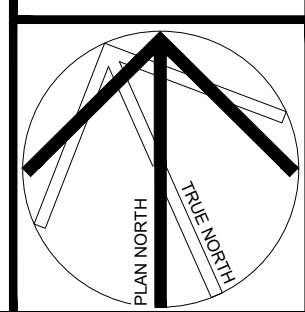
ABBREVIATIONS

AD	AREA DRAIN
ADJ	ADJACENT
ARCH	ARCHITECT
BC	BEGINNING OF CURVE
BR	BOTTOM OF RAMP
BS	BOTTOM OF STEP
BW	BOTTOM OF WALL
CB	CATCH BASIN
CL	CENTERLINE
CC	CENTER TO CENTER
CLR	CLEAR
CO	CLEAN OUT
CONC	CONCRETE
CONT	CONTINUOUS
CF	CUBIC FOOT
CY	CUBIC YARD
DIA	DIAMETER
DI	DRAIN INLET
EA	EACH
EC	END OF CURVE
EQ	EQUAL
EW	EACH WAY
EX	EXISTING
FL	FLOWLINE
FF	FINISH FLOOR
FG	FINISH GRADE
FS	FINISH SURFACE (AT HARDSCAPE)
FOC	FACE OF CURB
FW	FACE OF WALL
FT	FEET
GA	GAUGE
GALV	GALVANIZED
GEOTECH	GEOTECHNICAL
HP	HIGH POINT
HORIZ	HORIZONTAL
INV	INVERT
IN	INCH
JOIN	MATCH EX ADJACENT SURFACE
ME	MEASURE
LB	POUND
LF	LINEAL FEET
LP	LOW POINT
MAX	MAXIMUM
MFG	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
PA	PLANTER AREA
PIP	PROTECT IN PLACE
PL	PROPERTY LINE
POC	POINT OF CONNECTION
PT	POINT OF TANGENCY
RCF	REINFORCED CONCRETE
REBAR	REINFORCING STEEL BAR
ROW	RIGHT OF WAY
SD	STORM DRAIN
SHT	SHEET
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
SF	SQUARE FEET
TB	TOP OF BENCH
TC	TOP OF CURB
TD	TOP OF DECKING
TF	TOP OF FOOTING
TG	TOP OF GRATE
TOS	TOP OF STRUCTURE
TR	TOP OF RAMP
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
VERT	VERTICAL
W	WITH
WWM	WELDED WIRE MESH



HMFH ARCHITECTS
130 Bishop Allen Drive
Boston, MA 02116
Tel: 617-482-2200
www.hmfh.com

90% Schematic Design
04/17/24



Franklin Elementary School
125 Derby Street, Newton, MA
MATERIALS NOTES AND LEGEND
DRAWN BY: _____
CHECKED BY: _____
SCALE: 1/8" = 1'-0"
JOB NUMBER: 000000

KEYPLAN

REVISIONS NO.	DATE	REMARKS	BY

L-1.00

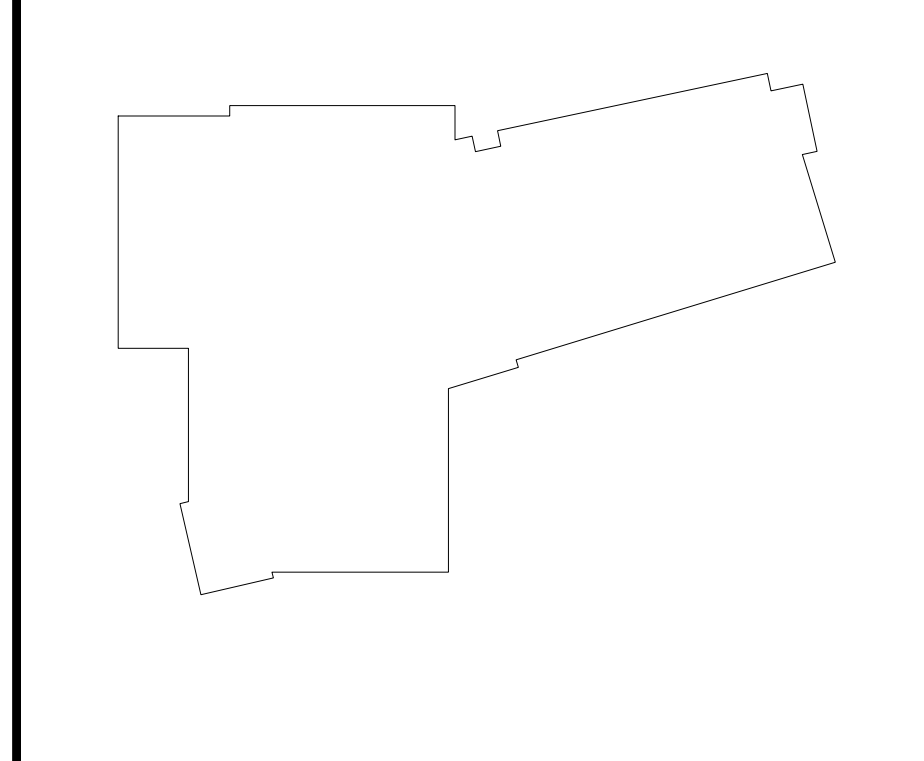
PLANTING SCHEDULE						
QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
TREES (T) - DECIDUOUS - REFER TO NOTE 6						
7	ARB	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	3-3 1/2"	CAL.	B&B
5	AHB	AESCULUS HIPPOCASTANUM 'BAUMANN'	BOUMANN HORSECHESTNUT	3-3 1/2"	CAL.	B&B NO BRANCHING BELOW 6' MIN.
12	ALC	AMELANCHIER LAEVIS 'CUMULUS'	CUMULUS SERVICEBERRY	8-10'	HT.	B&B MULTITEM
8	ASB	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	8-10'	HT.	B&B MULTITEM
7	AGR	AMELANCHIER GRANDIFLORA 'ROBIN HILL'	ROBIN HILL SERVICEBERRY	8-10'	HT.	B&B MULTITEM
7	BNH	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	8-10'	HT.	B&B MULTITEM
6	CO	CARYA OVATA	SHAGBARK HICKORY	3-3 1/2"	CAL.	B&B NO BRANCHING BELOW 6' MIN.
8	CK	CLADRASTIS KENTUCKEA	YELLOWWOOD	3-3 1/2"	CAL.	B&B NO BRANCHING BELOW 6' MIN.
7	LSM	LIQUIDAMBAR SYRIACA 'FLUA MORANE'	MORANE SWEETGUM	3-3 1/2"	CAL.	B&B NO BRANCHING BELOW 6' MIN. FRUITLESS
3	LTE	LIRIODENDRON TULIPIFERA 'EMERALD CITY'	EMERALD CITY TULIP TREE	3-3 1/2"	CAL.	B&B NO BRANCHING BELOW 6' MIN. FRUITLESS
13	NS	NYSSA SYLVATICA	BLACKGUM	3-3 1/2"	CAL.	B&B NO BRANCHING BELOW 6' MIN.
1	QA	QUERCUS ALBA	WHITE OAK	3-3 1/2"	CAL.	B&B NO BRANCHING BELOW 6' MIN.
9	QB	QUERCUS BICOLOR	SWAMP WHITE OAK	3-3 1/2"	CAL.	B&B NO BRANCHING BELOW 6' MIN.
13	TL	TILIA AMERICANA 'LEGEND'	LEGEND LINDEN	3-3 1/2"	CAL.	B&B NO BRANCHING BELOW 6' MIN.
11	UAP	ULMUS AMERICANA 'PRINCETON'	AMERICAN ELM	3-3 1/2"	CAL.	B&B NO BRANCHING BELOW 6' MIN.
TREES (T) - EVERGREEN - REFER TO NOTE 6						
5	NS	ILEX NELLE R. STEVENS	NELLE STEVENS HOLLY	10-12'	HT.	B&B
2	TGG	THUJA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	10-12'	HT.	B&B
6	PS	PNUS STROBUS COLUMNAR	COLUMNAR WHITE PINE	10-12'	HT.	B&B
SHRUBS (S) - DECIDUOUS						
	CAH	CLETHERA ALNFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET	18-24"	HT. & SPR.	CONT. 30" O.C. TRIA. SP.
	FG	FOTHERGILLA GARDENI	DWARF FOTHERGILLA	18-24"	HT. & SPR.	CONT. 42" O.C. TRIA. SP. WHITE
	HA	HYDRANGEA ARBORESCENS	SMOOTH HYDRANGEA	24-30"	HT. & SPR.	CONT. 36" O.C. TRIA. SP.
	IVRS	ILEX VERTICILLATA 'RED SPRITE' + 'SOUTHERN GENTLEMAN'	RED SPRITE WATERBERRY + POLLINATOR	18-24"	HT. & SPR.	CONT. 42" O.C. TRIA. SP.
29	IV	ITEA VIRGINICA 'HENRY GARNET'	HENRY GARNET SWEETSPIRE	24-30"	HT. & SPR.	CONT. 36" O.C. TRIA. SP.
	RA	RHUS AROMATICA 'GROW LOW'	GRO-LOW FRAGRANT SUMAC	18-24"	HT. & SPR.	CONT. 42" O.C. TRIA. SP.
	SA	SPREIA ALBA LATIFOLIA	MEADOW SWEET	24-30"	HT. & SPR.	CONT. 48" O.C. TRIA. SP.
	SB	SPREIA BIMALDA 'ANTHONY WATERER'	ANTHONY WATERER SPREA	24"	HT. & SPR.	CONT. 48" O.C. TRIA. SP.
	XS	XANTHORHIZA SIMPLICISSIMA	YELLOWROOT	12-15"	HT. & SPR.	CONT. 24" O.C. TRIA. SP.
SHRUBS (S) - EVERGREEN						
	IG	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY - COMPACT	30"	HT. & SPR.	CONT. 42" O.C. TRIA. SP. OR AS SHOWN
	JUC	JUNIPERUS CHINENSIS SARGENTII	SARGENTII JUNIPER	18"	HT. & SPR.	CONT. 42" O.C. TRIA. SP.
	JUH	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR JUNIPER	18"	HT. & SPR.	CONT. 42" O.C. TRIA. SP.
15	KLP	KALMIA LATIFOLIA PRISTINE	PRISTINE MOUNTAIN LAUREL	18-24"	HT.	CONT. 30" O.C. TRIA. SP.
	LF	LEUCOTHOE FONTANESIANA	DROOPING LEUCOTHOE	8"		CONT. 36" O.C. TRIA. SP. OR AS SHOWN
9	RCR	RHOODODENDRON CATAWBIENSE	RHOODODENDRON	24-30"	HT. & SPR.	CONT. 40" O.C. TRIA. SP. OR AS SHOWN
SHRUBS (S) - GROUND COVER						
	AU	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	#1		CONT. 24" O.C. TRIA. SP.
PERENNIALS (P) - GRASSES						
	CP	CAREX PENNSYLVANICA	PENNSYLVANIA SEDGE	#1		CONT. 6" O.C. TRIA. SP.
	ES	ERAGROSIS SPECTABILIS	PURPLE LOVEGRASS	#1		CONT. 12" O.C. TRIA. SP.
	FO	FESTUCA OVINA 'AZURE'	AZURE SHEEP FESCUE	#1		CONT. 12" O.C. TRIA. SP.
	PV	PANICUM VIRGATUM	SWITCH GRASS	#1		CONT. 24" O.C. TRIA. SP.
	SS	SCHIZACHYRIUM SCOPARUM 'STANDING OVATION'	STANDING OVATION LITTLE BLUESTEM	#2		CONT. 24" O.C. TRIA. SP.

* 270 TREE CALIPER INCHES PROPOSED AS REPLACEMENTS (3" CALIPER ASSUMED)

PLANTING AND SOIL NOTES

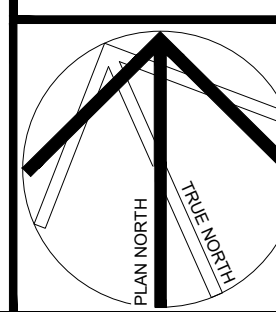
1. THE PLANTING PLAN IS DIAGRAMMATIC. ALL PLANT LOCATIONS UNLESS DIMENSIONED ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PLANT QUANTITY TAKE OFFS AND INSTALLATION QUANTITIES. ALL PLANTING AREAS ARE TO BE COMPLETELY PLANTED AND FULL OF PLANTS AT THE SPECIFIED SPACING.
2. QUANTITIES SHOWN ON THE PLANTING SCHEDULE ARE FOR CONVENIENCE OR PERMITTING INFORMATION ONLY. IN CASES OF DISCREPANCY BETWEEN PLANTING QUANTITIES INDICATED ON THE PLANS AND QUANTITIES ON THE SCHEDULE THE LARGER VALUE SHALL APPLY.
3. CONTRACTOR SHALL GIVE NOTICE OF PLANTING LAYOUT A MINIMUM 3 WORKING DAYS PRIOR TO ANTICIPATED INSTALLATION. CONTRACTOR SHALL LAYOUT PLANT MATERIAL FOR REVIEW AND APPROVAL. EXACT LOCATIONS SHALL BE FLAGGED/STAKED AT THEIR CENTER POINTS AND APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO SOIL EXCAVATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATIONS IN THE FIELD.
3. ALL TREES SHALL HAVE A MINIMUM LIFE GUARANTEE OF 1 YEAR OF VIGOROUS GROWTH AFTER THE ESTABLISHMENT PERIOD AND FINAL ACCEPTANCE. ALL WOODY SHRUBS AND VINES SHALL HAVE A MINIMUM LIFE GUARANTEE OF 1 YEAR AFTER THE ESTABLISHMENT PERIOD AND FINAL ACCEPTANCE.
4. ALL GRASSES, LAWNS AND GROUNDCOVERS SHALL BE GUARANTEED BY THE CONTRACTOR AS TO GROWTH AND HEALTH FOR A PERIOD OF 6 MONTHS AFTER THE ESTABLISHMENT PERIOD AND FINAL ACCEPTANCE.
5. THE CONTRACTOR, WITHIN FIFTEEN DAYS OF WRITTEN NOTIFICATION BY THE LANDSCAPE ARCHITECT SHALL REMOVE AND REPLACE ALL GUARANTEED PLANT MATERIALS, WHICH FOR ANY REASON FAIL TO MEET THE REQUIREMENTS OF GUARANTEE AND SPECIFICATIONS. REPLACEMENT SHALL BE MADE WITH PLANT MATERIALS AS INDICATED ON THE ORIGINAL PLANS AND ALL SUCH REPLACEMENT MATERIALS SHALL BE GUARANTEED FROM THE TIME OF THE ORIGINAL GUARANTEE.
6. PLANTING PITS SHALL BE MINIMUM 3X OR AS INDICATED ON THE DRAWINGS THE SIZE OF THE DESIGNATED NURSERY CONTAINER.
7. IF CONFLICTS ARISE BETWEEN ACTUAL SIZE OF PLANTING AREAS ON SITE AND THOSE AREAS INDICATED ON DRAWINGS, CONTACT OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT. FAILURE TO NOTIFY IN A TIMELY MANNER MAY RESULT IN THE RELOCATION OF PLANT MATERIAL AT NO COST TO THE OWNER.
8. TRIANGULAR SPACE GROUND COVER(S) AND SHRUBS UNLESS INDICATED DIFFERENTLY ON THE DRAWINGS.
9. ALIGN AND EQUALLY SPACE IN ALL DIRECTIONS ALL TREES, SHRUBS, AND VINES AS NOTED IN THE DRAWINGS.
10. SEE SPECIFICATIONS FOR ESTABLISHMENT PERIOD DURATION AND REQUIREMENTS AFTER ACCEPTANCE OF THE WORK. PRIOR TO THE END OF THE ESTABLISHMENT PERIOD CONTACT THE OWNER'S REPRESENTATIVE AND ARRANGE A FINAL WALK THROUGH OBSERVATION BY THE LANDSCAPE ARCHITECT. OWNER MUST ACCEPT THE PLANTING PRIOR TO THE END OF THE ESTABLISHMENT PERIOD.
11. ALL PLANTED AREAS SHOULD BE KEPT CLEAN, WATERED AND WEED-FREE.
12. ALL PLANTS SHALL BE PURCHASED AT A CONTAINER SIZE THAT ENSURES THE DELIVERED PLANT WILL MEET THE MINIMUM PLANT SIZE SPECIFICATION.
13. FINISH GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD AFTER SOIL PREPARATION AND PRIOR TO PLANTING INSTALLATION.
14. THE CONTRACTOR SHALL OBTAIN AN AGRONOMIC SOIL FERTILITY REPORT, WHICH TESTS THE AGRICULTURAL SUITABILITY AND FERTILITY OF THE NATIVE SITE SOILS BY AN ACCREDITED SOIL TESTING LABORATORY. ANALYSIS SHALL INCLUDE SEPARATE RECOMMENDATIONS FOR SOIL PREPARATION AND BACKFILL MIX. SUBMIT SOILS ANALYSIS TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO SOIL CONDITIONING WITHIN THIS PROJECT. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.
15. THE CONTRACTOR SHALL SUBMIT AGRONOMIC TESTING DATA AND ANALYSIS FOR ALL IMPORTED SOIL MIXES FOR ON GRADE AND ON STRUCTURE FOR ACCEPTANCE PRIOR TO PLACING ANY SOIL MATERIALS.
16. PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES, PLANT TYPE AND SIZE DESIGNATED ON THE CONTRACT DRAWINGS. PLANT MATERIALS SHALL BE SUBJECT TO REVIEW AND ACCEPTANCE BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO COMMENCEMENT OF THE PLANTING INSTALLATION.
17. FINISH GRADES OF ALL SHRUBS AREAS SHALL BE 2IN. BELOW THE FINISHED SURFACE OF ADJOINING CURB, PAVEMENT OR HEADER.
18. PRIOR TO PLANTING, GRADING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT. PLACED SOILS SHALL BE FULLY SOAKED AND COMPACTED TO 85% TO INSPECTION.
19. COMPACTED SOILS IN PLANTING AREAS SHALL BE RIPPED A MIN. OF 6IN. IN BOTH DIRECTIONS. SEE DETAIL.

KEYPLAN



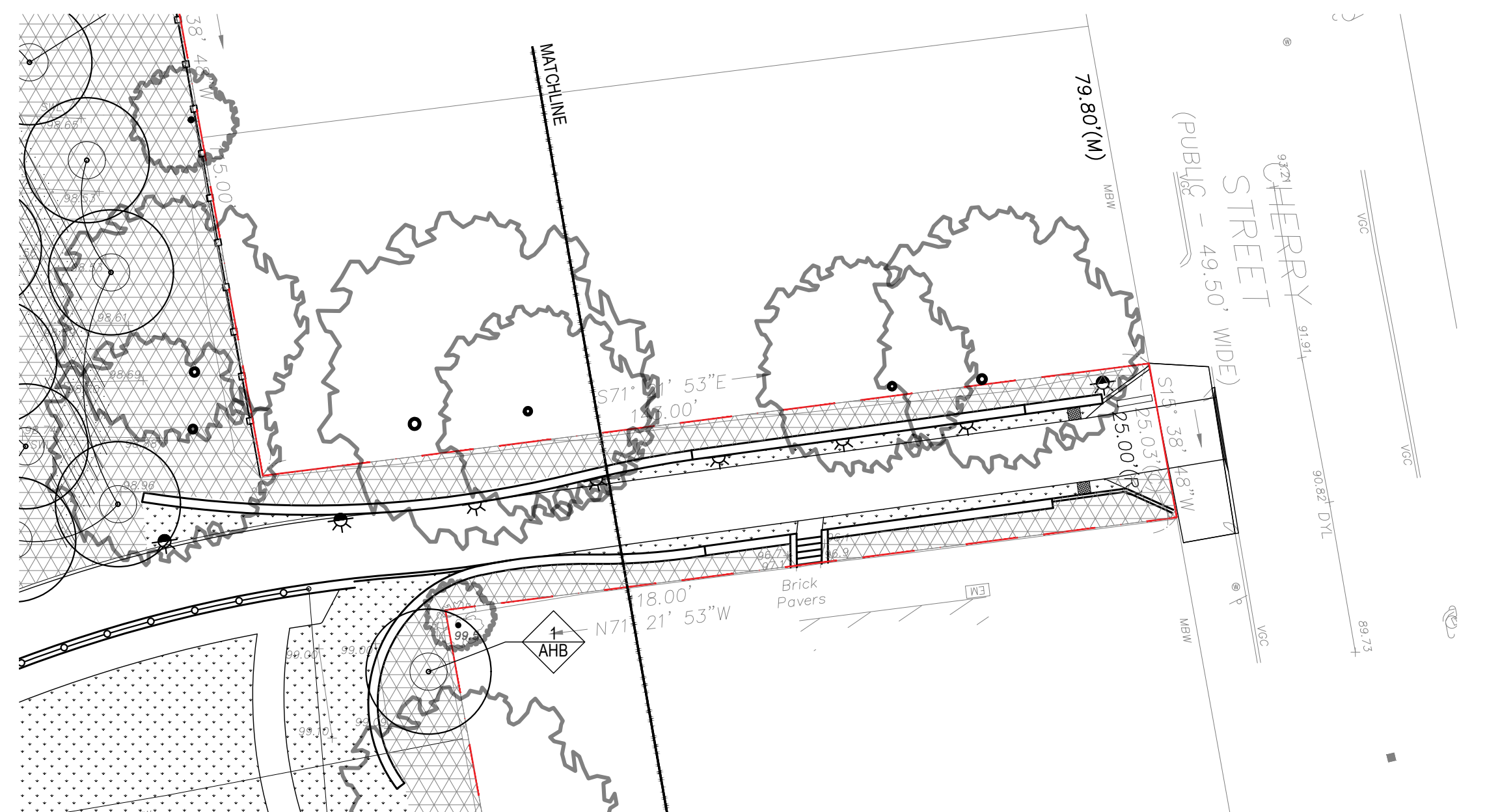
REVISIONS NO.	DATE	REMARKS	BY

90% Schematic Design
04/17/24



Franklin Elementary School
125 Derby Street, Newton, MA
PLANTING LIST AND NOTES
DRAWN BY: _____
CHECKED BY: _____
SCALE: 1/8" = 1'-0"

L-3.00



PLANTING LEGEND: SEE SHEET LXXX FOR PLANT SCHEDULE, SEE SHEET LXXX - LXXX FOR SOILS PLANS

KEY	SYMBOL	DESCRIPTION	CALLOUT	KEY	SYMBOL	DESCRIPTION	CALLOUT
P.1		EXISTING TREE		P.8		PLANTING BEDS - PERENNIALS & GROUNDCOVERS (18" SOIL DEPTH UNLESS OTHERWISE NOTED)	
P.2		CANOPY TREE		P.9		METAL EDGE AT BED EXTENTS	
P.3		MULTI-STEMMED TREE		P.10		LAWN HYDROSEED (6" SOIL DEPTH UNLESS OTHERWISE NOTED)	
P.4		ORNAMENTAL TREE		P.11		SHRUB AND ORNAMENTAL GRASS	
P.5		EVERGREEN TREE		P.12		BIORETENTION PLANTINGS (RE: CIVIL FOR SOIL SECTION AND UNDERDRAINAGE)	
P.6		SHRUB PLANTING (18" SOIL DEPTH UNLESS OTHERWISE NOTED)					
P.7		EVERGREEN HEDGE PLANTING (24" SOIL DEPTH UNLESS OTHERWISE NOTED)					

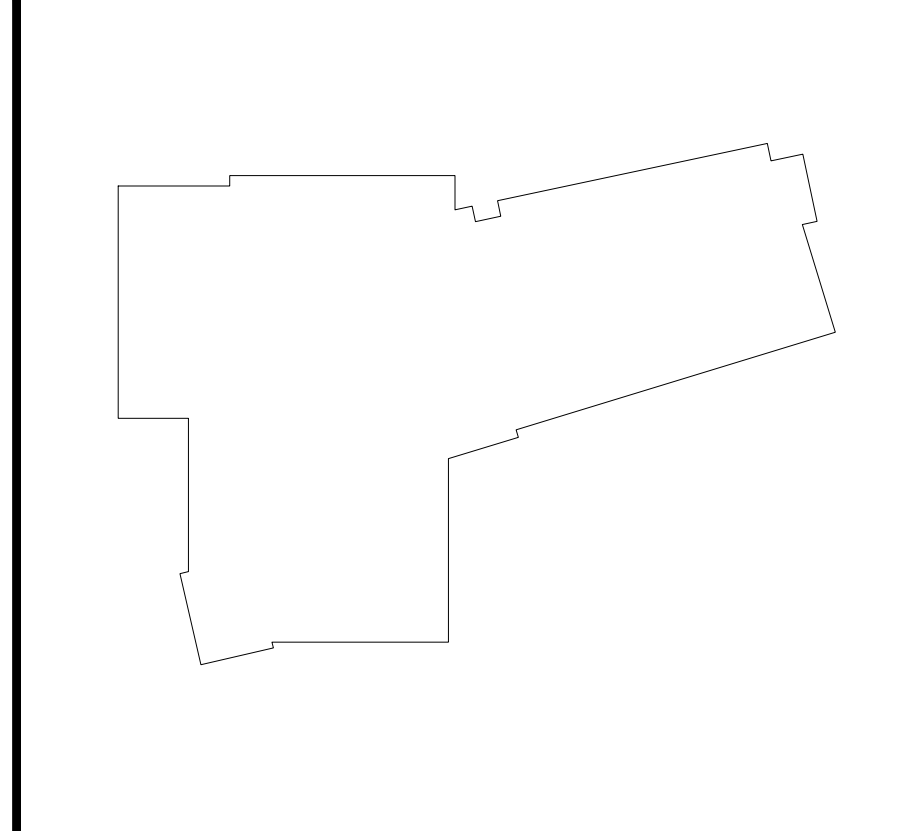
- NOTES:
- TYPICAL EXAMPLES MARKED WITH KEY
 - ALL TREES IN PLAY AREAS, PAVEMENTS, DECK TO RECEIVE BELOW-GRADE ROOTBALL TIE DOWN (RE: SPECS). TREES IN PLANTING AREAS TO BE GUYED WITH CEDAR STAKES, 3 PER TREE (RE: SPECS)

IRRIGATION LEGEND

SYMBOL	DESCRIPTION
RWS *	TREE ROOT WATERING SYSTEM - PROVIDE 2 UNITS TO EACH CANOPY TREE UNLESS OTHERWISE NOTED
QC	QUICK COUPLER
#	ZONE #
VB	VALVE BOX LOCATION (SUGGESTED)
	DRIP IRRIGATION
	SPRAY HEAD IRRIGATION

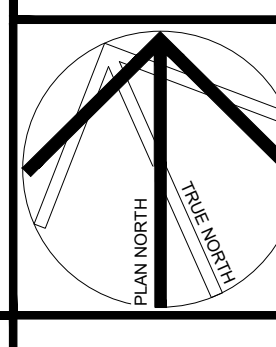
- NOTES:
- SEE SPECIFICATIONS FOR FURTHER IRRIG REQUIREMENTS
 - ALL AUTOMATED IRRIGATION.
 - ALL TREES NOT CONNECTED TO IRRIGATION SYSTEM TO BE PROVIDED WITH GATOR BAGS OR OTHER TEMPORARY WATERING METHOD.
 - ALL SHRUB, GROUNDCOVER AND SEEDBED AREAS MAY REQUIRE TEMPORARY IRRIGATION FOR ESTABLISHMENT DEPENDING UPON PLANTING SEASON AND NATURAL RAINFALL, RE: SPECIFICATIONS.
 - EXTERIOR HOSEBIB LOCATIONS, RE: MEP DRAWINGS

KEYPLAN



REVISIONS NO.	DATE	REMARKS

90% Schematic Design
 04/17/24



Franklyn Elementary School
 125 Derby Street, Newbury, MA
PLANTING PLAN

L-3.01