

TOWN OF BOXFORD

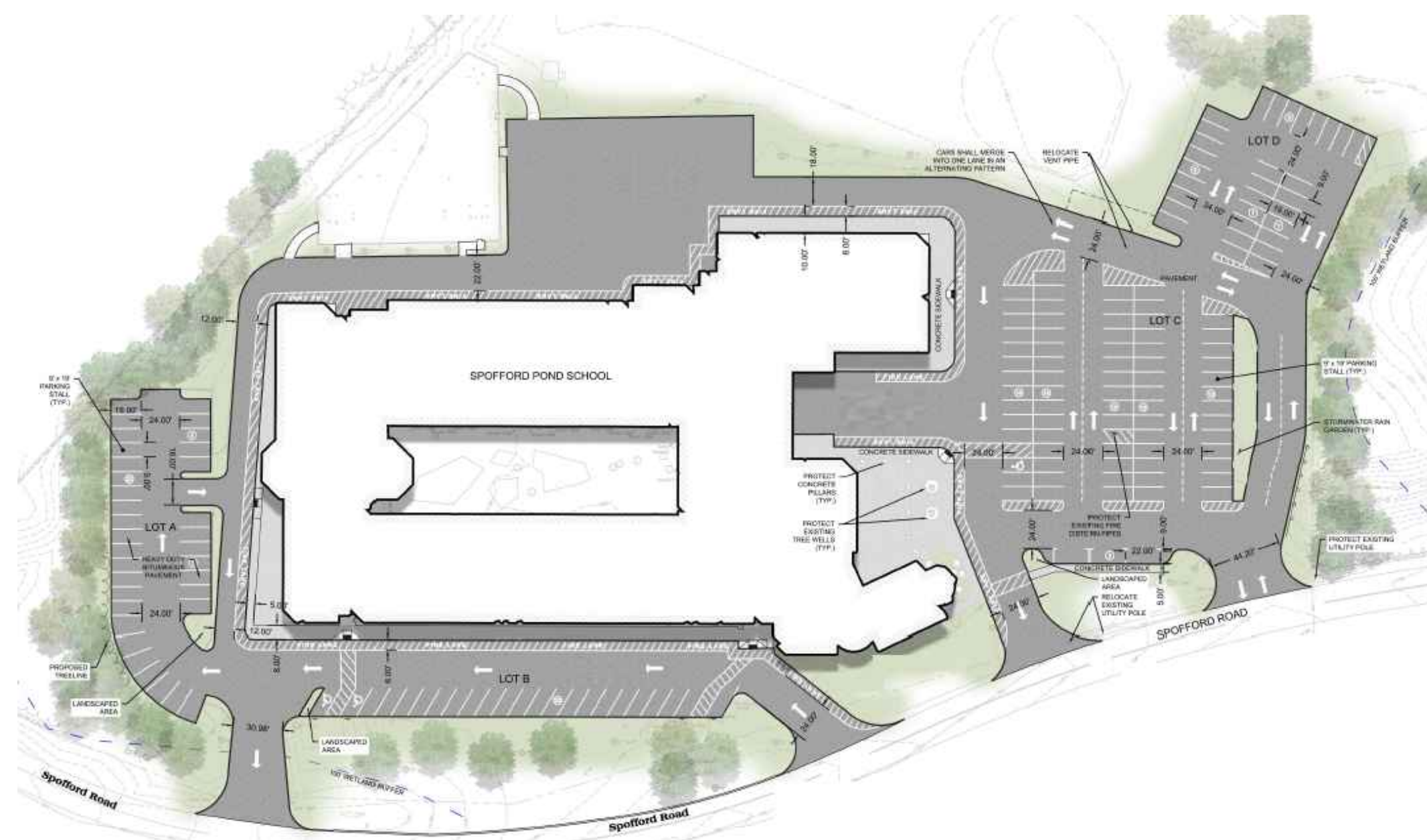
BOXFORD PUBLIC SCHOOLS SITE RENOVATION PROJECT SPOFFORD POND SCHOOL



STEVE CLIFFORD, DIRECTOR OF FACILITIES
BOXFORD PUBLIC SCHOOLS
28 MIDDLETON ROAD
BOXFORD, MA 01921
978-887-0771 ext. 225



JAMES PEARSON, PE, TECHNICAL SPECIALIST
55 WALKERS BROOK DRIVE
READING, MA 01867
978-532-1900



- RENDERING FOR ILLUSTRATIVE PURPOSES ONLY -

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FEBRUARY 3, 2021

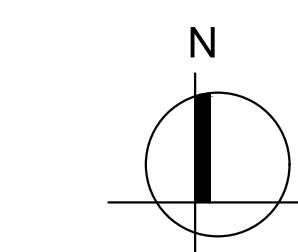
LANDSCAPE ARCHITECTURAL, CIVIL,
ENVIRONMENTAL, ELECTRICAL AND
UTILITY DESIGN:

55 Walkers Brook Drive, Suite 100
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Locus Map



SPOFFORD POND SCHOOL
31 SPOFFORD ROAD, BOXFORD, MA 01921

EXISTING CONDITIONS LEGEND

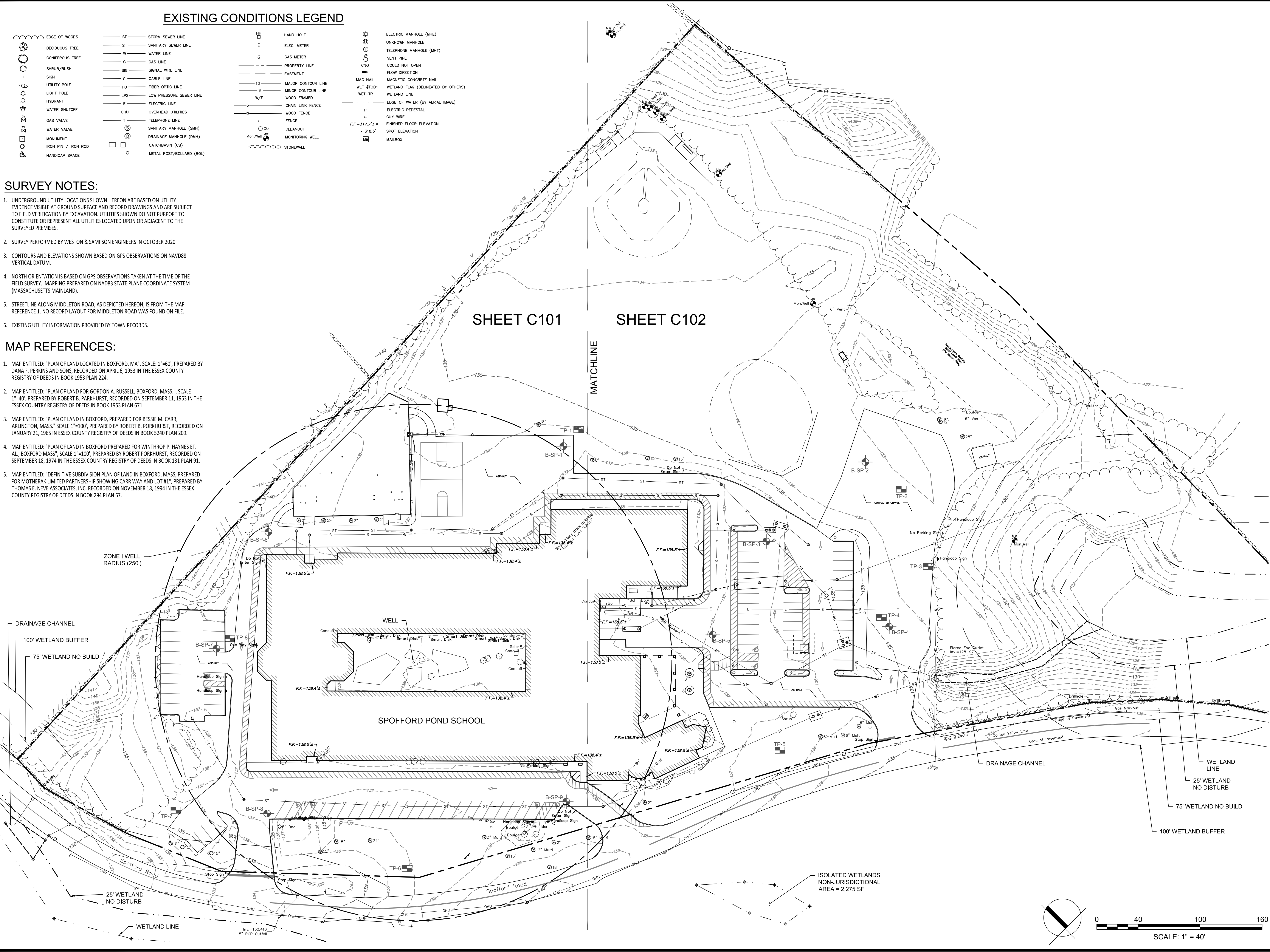
Legend table with symbols for various features: Edge of Woods, Deciduous Tree, Sanitary Sewer Line, Water Line, Gas Line, Signal Wire Line, Cable Line, Fiber Optic Line, Low Pressure Sewer Line, Electric Line, Overhead Utilities, Telephone Line, Telephone Manhole, Sanitary Manhole, Drainage Manhole, Catchbasin, Metal Post/Bollard, Hand Hole, Elec. Meter, Gas Meter, Property Line, Easement, Major Contour Line, Minor Contour Line, Wood Framed, Chain Link Fence, Wood Fence, Fence, Cleanout, Monitoring Well, Stonewall, Electric Manhole, Unknown Manhole, Telephone Manhole, Vent Pipe, Could Not Open, Flow Direction, Magnetic Concrete Nail, Wetland Flag, Wetland Line, Edge of Water, Electric Pedestal, GUY WIRE, Finished Floor Elevation, Spot Elevation, Mailbox.

SURVEY NOTES:

- 1. UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON UTILITY EVIDENCE VISIBLE AT GROUND SURFACE AND RECORD DRAWINGS AND ARE SUBJECT TO FIELD VERIFICATION BY EXCAVATION. UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES.
2. SURVEY PERFORMED BY WESTON & SAMPSON ENGINEERS IN OCTOBER 2020.
3. CONTOURS AND ELEVATIONS SHOWN BASED ON GPS OBSERVATIONS ON NAVD88 VERTICAL DATUM.
4. NORTH ORIENTATION IS BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY. MAPPING PREPARED ON NAD83 STATE PLANE COORDINATE SYSTEM (MASSACHUSETTS MAINLAND).
5. STREETLINE ALONG MIDDLETON ROAD, AS DEPICTED HEREON, IS FROM THE MAP REFERENCE 1. NO RECORD LAYOUT FOR MIDDLETON ROAD WAS FOUND ON FILE.
6. EXISTING UTILITY INFORMATION PROVIDED BY TOWN RECORDS.

MAP REFERENCES:

- 1. MAP ENTITLED: "PLAN OF LAND LOCATED IN BOXFORD, MA", SCALE: 1"=60', PREPARED BY DANA F. PERKINS AND SONS, RECORDED ON APRIL 6, 1953 IN THE ESSEX COUNTY REGISTRY OF DEEDS IN BOOK 1953 PLAN 224.
2. MAP ENTITLED: "PLAN OF LAND FOR GORDON A. RUSSELL, BOXFORD, MASS.", SCALE 1"=40', PREPARED BY ROBERT B. PARKHURST, RECORDED ON SEPTEMBER 11, 1953 IN THE ESSEX COUNTY REGISTRY OF DEEDS IN BOOK 1953 PLAN 671.
3. MAP ENTITLED: "PLAN OF LAND IN BOXFORD, PREPARED FOR BESSIE M. CARR, ARLINGTON, MASS." SCALE 1"=100', PREPARED BY ROBERT B. PARKHURST, RECORDED ON JANUARY 21, 1965 IN ESSEX COUNTY REGISTRY OF DEEDS IN BOOK 5240 PLAN 209.
4. MAP ENTITLED: "PLAN OF LAND IN BOXFORD PREPARED FOR WINTHROP P. HAYNES ET. AL, BOXFORD MASS." SCALE 1"=100', PREPARED BY ROBERT PARKHURST, RECORDED ON SEPTEMBER 18, 1974 IN THE ESSEX COUNTY REGISTRY OF DEEDS IN BOOK 131 PLAN 91.
5. MAP ENTITLED: "DEFINITIVE SUBDIVISION PLAN OF LAND IN BOXFORD, MASS. PREPARED FOR MOTHERKAK LIMITED PARTNERSHIP SHOWING CARR WAY AND LOT #1", PREPARED BY THOMAS E. NEVE ASSOCIATES, INC. RECORDED ON NOVEMBER 18, 1994 IN THE ESSEX COUNTY REGISTRY OF DEEDS IN BOOK 294 PLAN 67.



SHEET C101 SHEET C102

MATCHLINE

Project: BOXFORD PUBLIC SCHOOLS SITE RENOVATION PROJECT
TOWN OF BOXFORD, MASSACHUSETTS 1685
SPOFFORD POND SCHOOL
31 SPOFFORD ROAD
BOXFORD, MA 01921

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Revisions table with columns: No., Date, Description.

Seal area with professional engineer seal for James L. Pearson, No. 50675, dated 02/03/2021.

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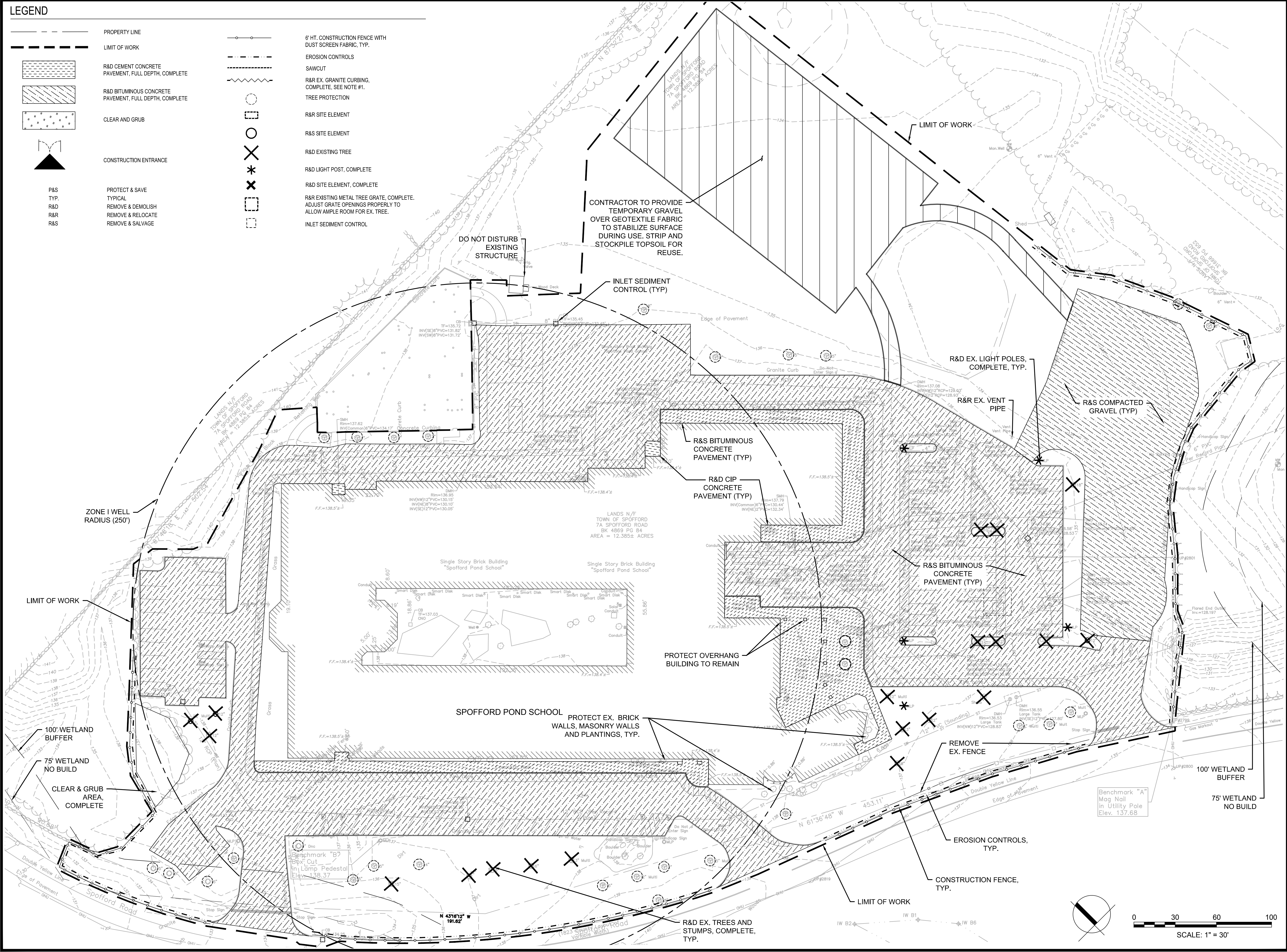
Scale: AS SHOWN
Date: FEBRUARY 3, 2021
Drawn By: CTK
Reviewed By: JIP
Approved By: JIP
W&S Project No.: ENG20-0865
W&S File No.:

Drawing Title: OVERALL EXISTING CONDITIONS PLAN

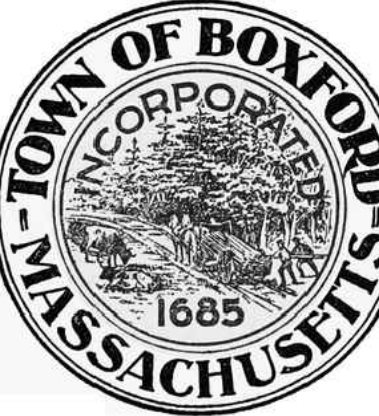
Sheet Number: C100
SCALE: 1" = 40'

LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- R&D CEMENT CONCRETE PAVEMENT, FULL DEPTH, COMPLETE
- R&D BITUMINOUS CONCRETE PAVEMENT, FULL DEPTH, COMPLETE
- CLEAR AND GRUB
- CONSTRUCTION ENTRANCE
- P&S TYP.
- R&D
- R&R
- R&S
- 6' HT. CONSTRUCTION FENCE WITH DUST SCREEN FABRIC, TYP.
- EROSION CONTROLS
- SAWCUT
- R&R EX. GRANITE CURBING, COMPLETE, SEE NOTE #1.
- TREE PROTECTION
- R&R SITE ELEMENT
- R&S SITE ELEMENT
- R&D EXISTING TREE
- R&D LIGHT POST, COMPLETE
- R&D SITE ELEMENT, COMPLETE
- R&R EXISTING METAL TREE GRATE, COMPLETE. ADJUST GRATE OPENINGS PROPERLY TO ALLOW AMPLE ROOM FOR EX. TREE.
- INLET SEDIMENT CONTROL



Project: **BOXFORD PUBLIC SCHOOLS SITE RENOVATION PROJECT**



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Reviewed By: JIP

Approved By: JIP

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Drawing Title:

SITE PREPARATION & EROSION CONTROL PLAN

Sheet Number:

C110

Scale: 1" = 30'

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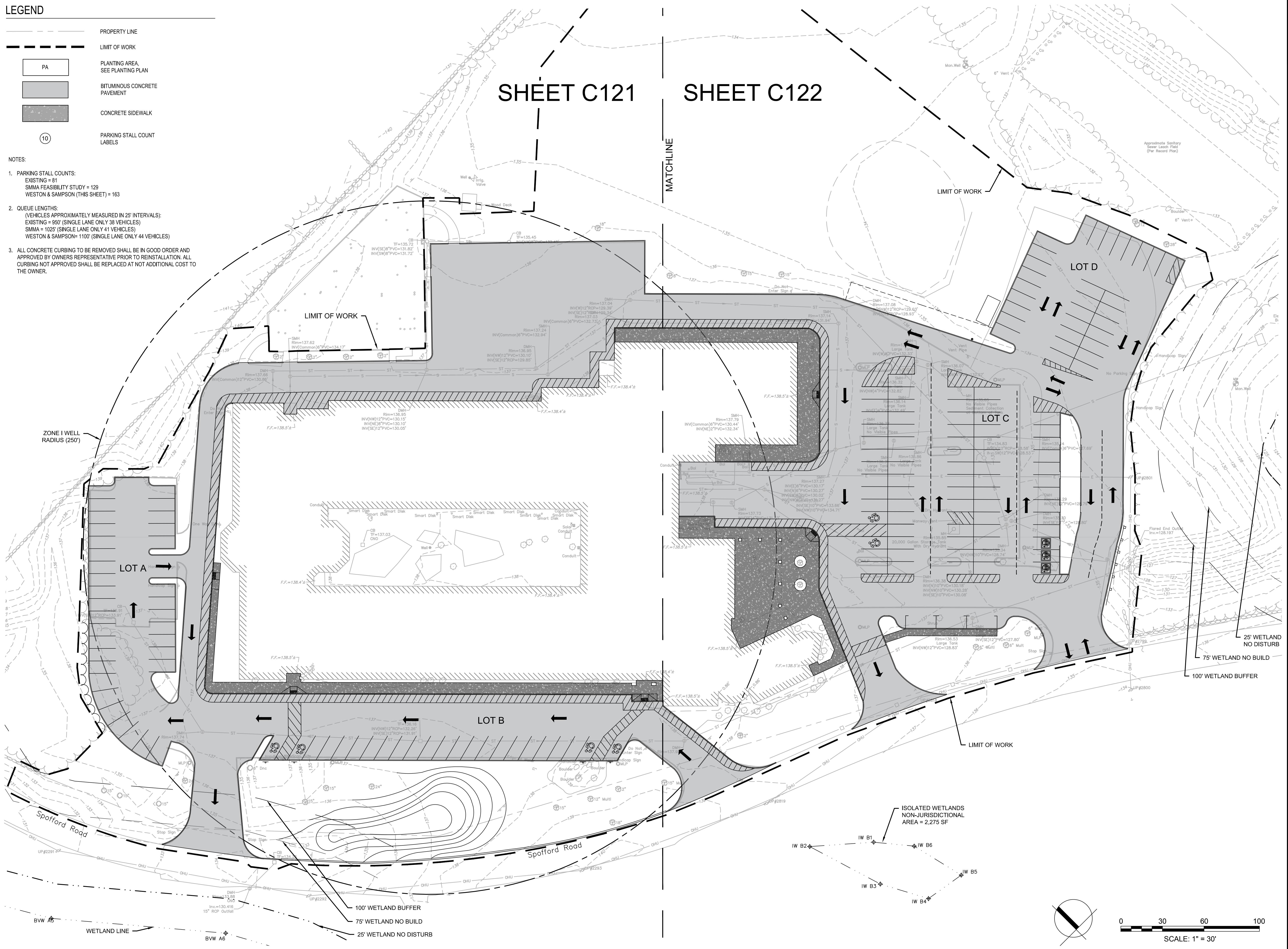
LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- PLANTING AREA
SEE PLANTING PLAN
- BITUMINOUS CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- PARKING STALL COUNT LABELS

- NOTES:**
- PARKING STALL COUNTS:**
EXISTING = 81
SMA FEASIBILITY STUDY = 129
WESTON & SAMPSON (THIS SHEET) = 163
 - QUEUE LENGTHS:**
(VEHICLES APPROXIMATELY MEASURED IN 25' INTERVALS):
EXISTING = 950' (SINGLE LANE ONLY 38 VEHICLES)
SMA = 1025' (SINGLE LANE ONLY 41 VEHICLES)
WESTON & SAMPSON = 1100' (SINGLE LANE ONLY 44 VEHICLES)
 - ALL CONCRETE CURBING TO BE REMOVED SHALL BE IN GOOD ORDER AND APPROVED BY OWNERS REPRESENTATIVE PRIOR TO REINSTALLATION. ALL CURBING NOT APPROVED SHALL BE REPLACED AT NOT ADDITIONAL COST TO THE OWNER.

SHEET C121 SHEET C122

MATCHLINE



Project:
BOXFORD PUBLIC
SCHOOLS SITE
RENOVATION PROJECT

SPOFFORD POND SCHOOL
31 SPOFFORD ROAD
BOXFORD, MA 01921

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JAMES L. PEARSON
CIVIL
No. 50675
REGISTERED ENGINEER
02/03/2021

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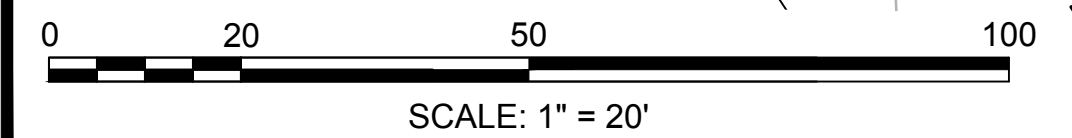
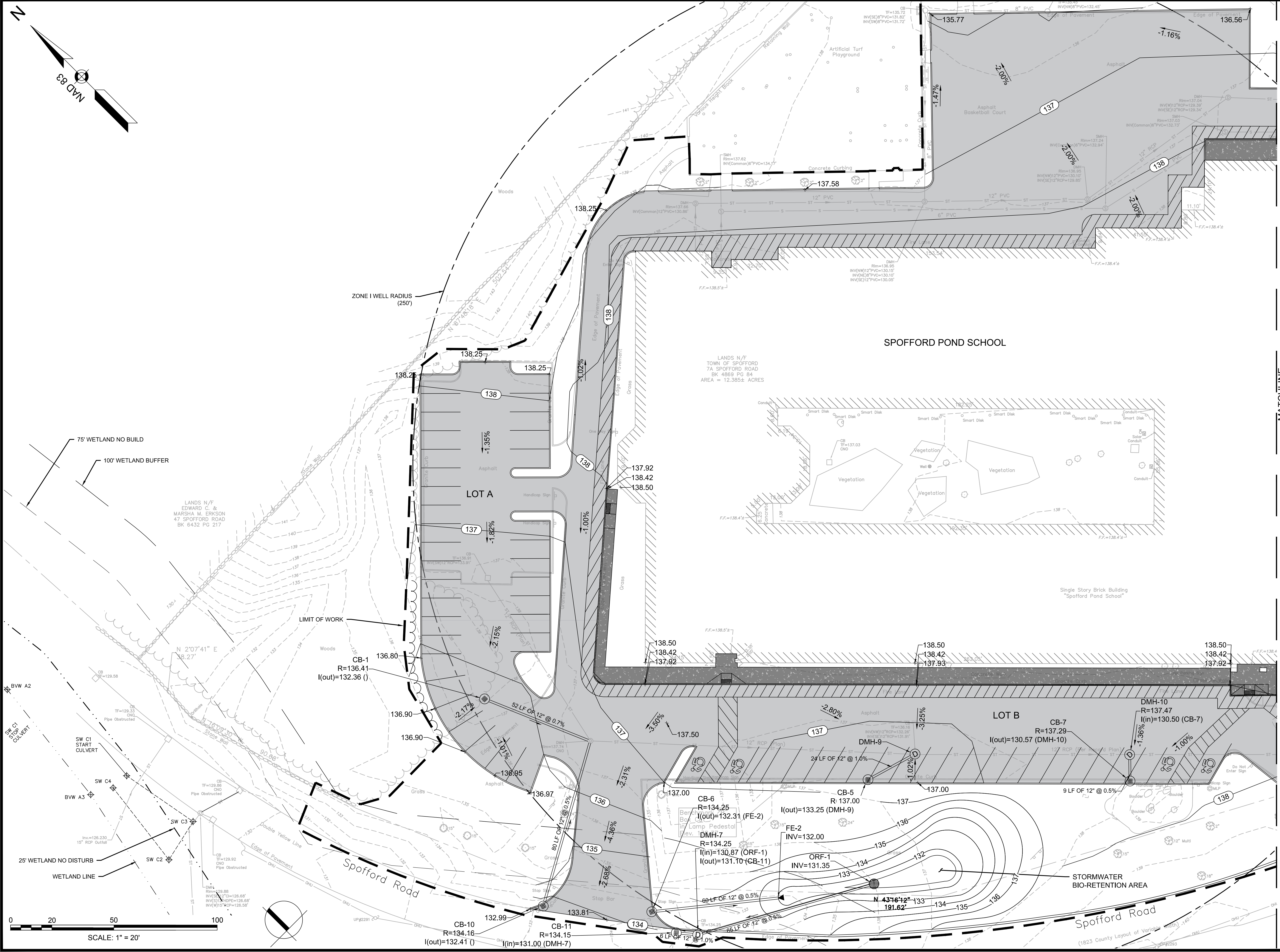
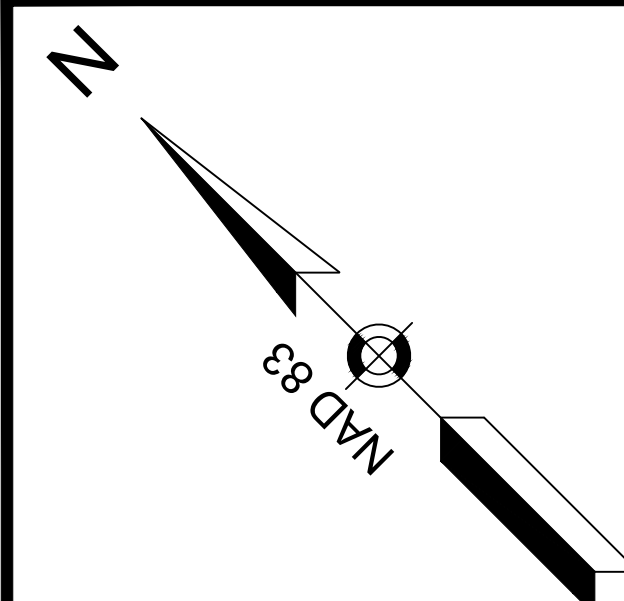
W&S Project No.: ENG20-0865
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Drawing Title:

**OVERALL
MATERIALS &
LAYOUT PLAN**

Sheet Number:

C120



Project:
BOXFORD PUBLIC SCHOOLS SITE RENOVATION PROJECT

TOWN OF BOXFORD MASSACHUSETTS
 1685

SPOFFORD POND SCHOOL
 31 SPOFFORD ROAD
 BOXFORD, MA 01921

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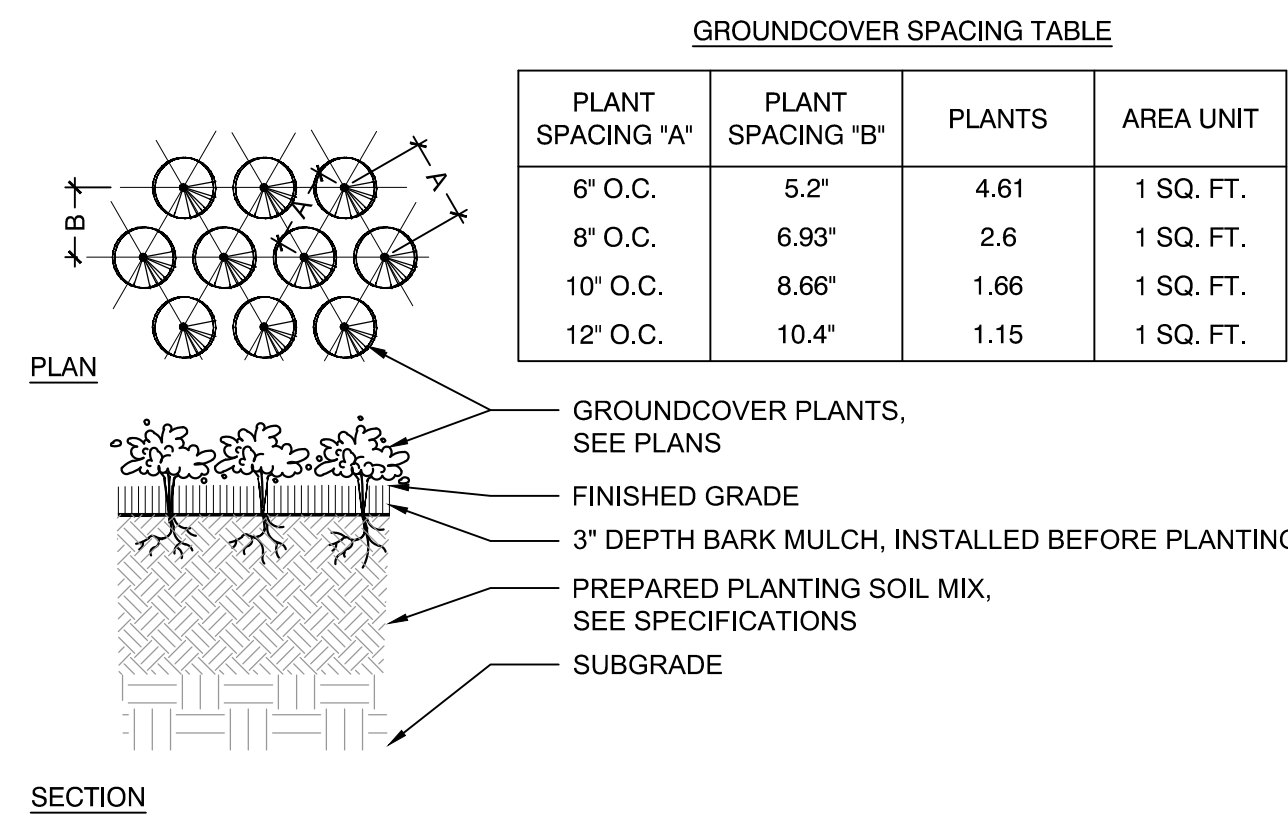
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GRADING & DRAINAGE ENLARGEMENT PLAN I

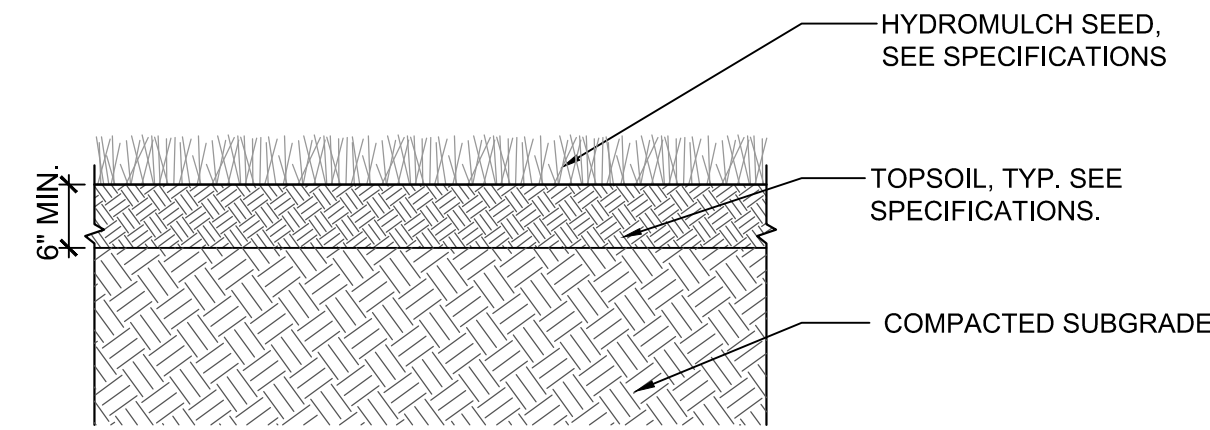
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C131

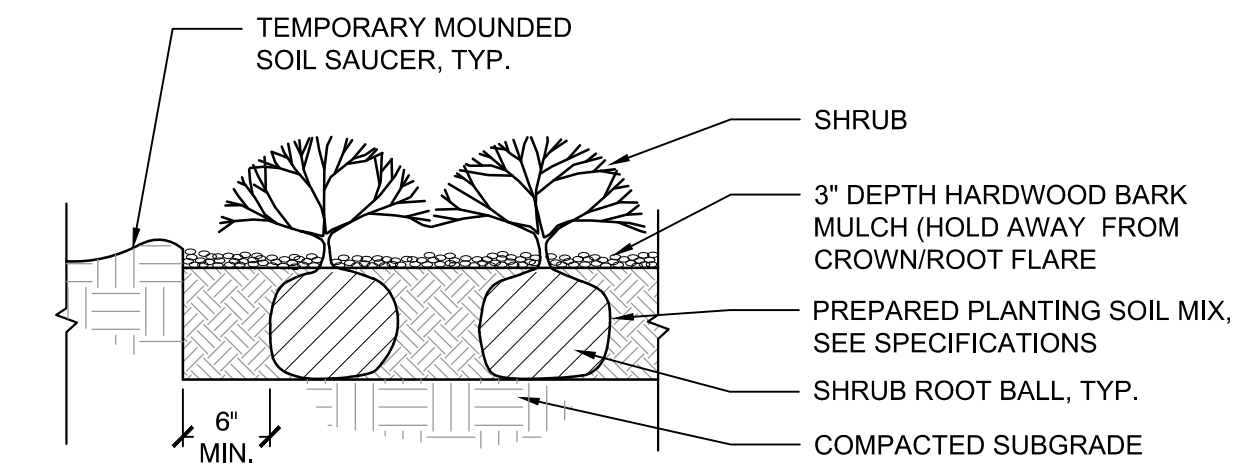


- NOTES:**
- ALL GROUNDCOVERS TO BE PLANTED IN TRIANGULAR PATTERN. SEE PLANTING SCHEDULE FOR SPACING.
 - JUTE EROSION CONTROL MAT TO BE USED ON ALL SLOPES 3:1 OR GREATER. SEE SPECIFICATIONS

1 GROUND COVER PLANTING
SCALE: N.T.S.

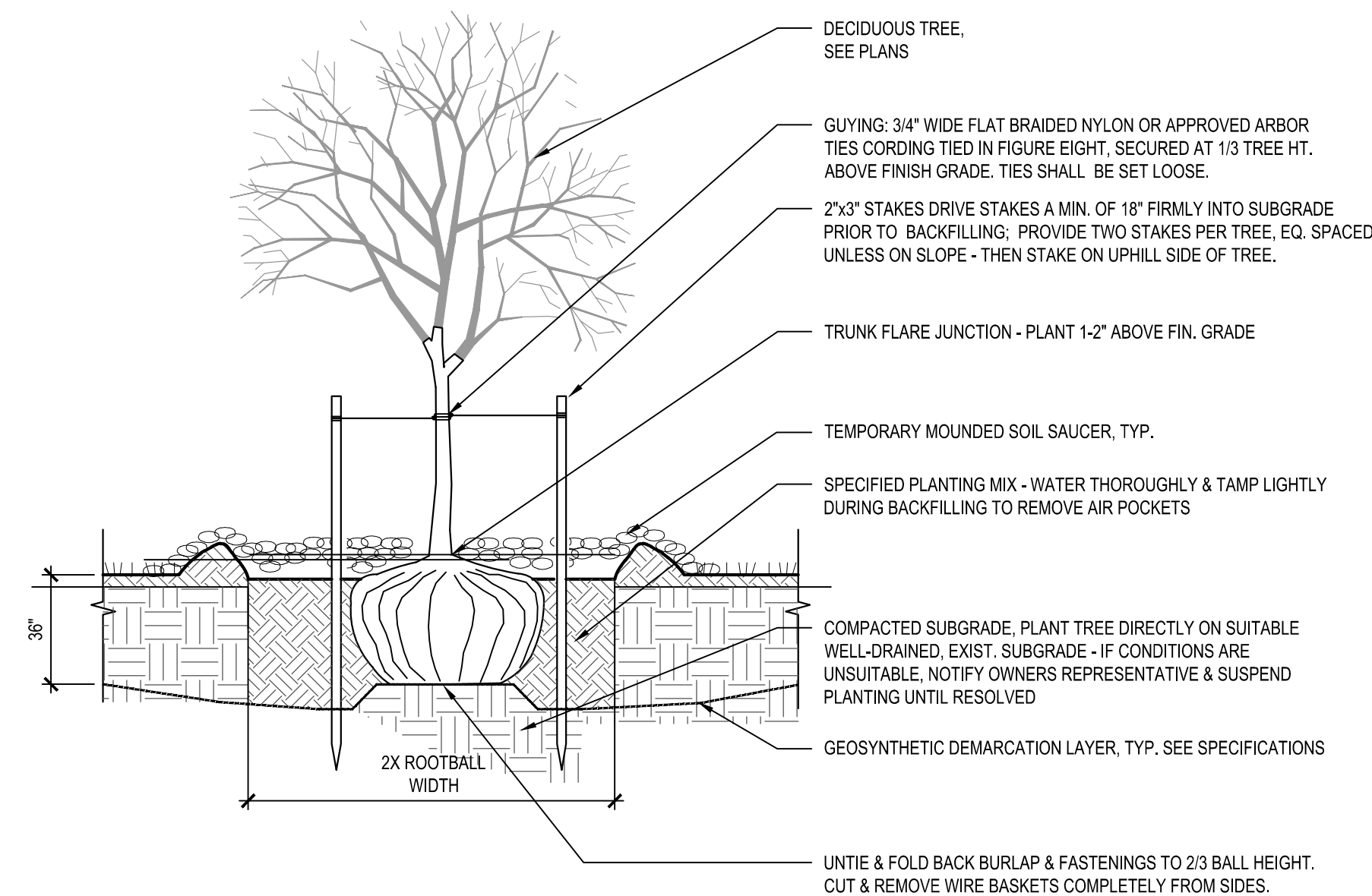
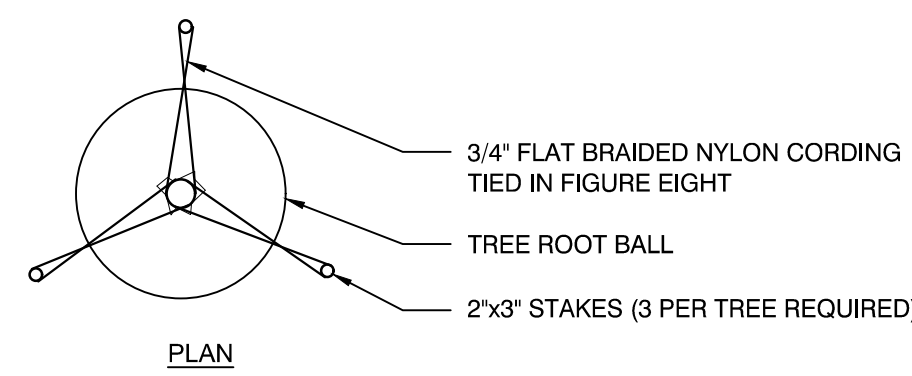


2 LOAM AND SEED
SCALE: N.T.S.



- NOTE:**
- ALL MULCH MUST BE DARK IN COLOR. PROVIDE SAMPLE PRIOR TO INSTALLATION TO BE APPROVED BY OWNER'S REPRESENTATIVE.

3 SHRUB PLANTING
SCALE: N.T.S.



4 TREE PLANTING AND STAKING
SCALE: N.T.S.

Revisions:

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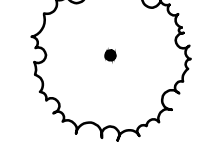
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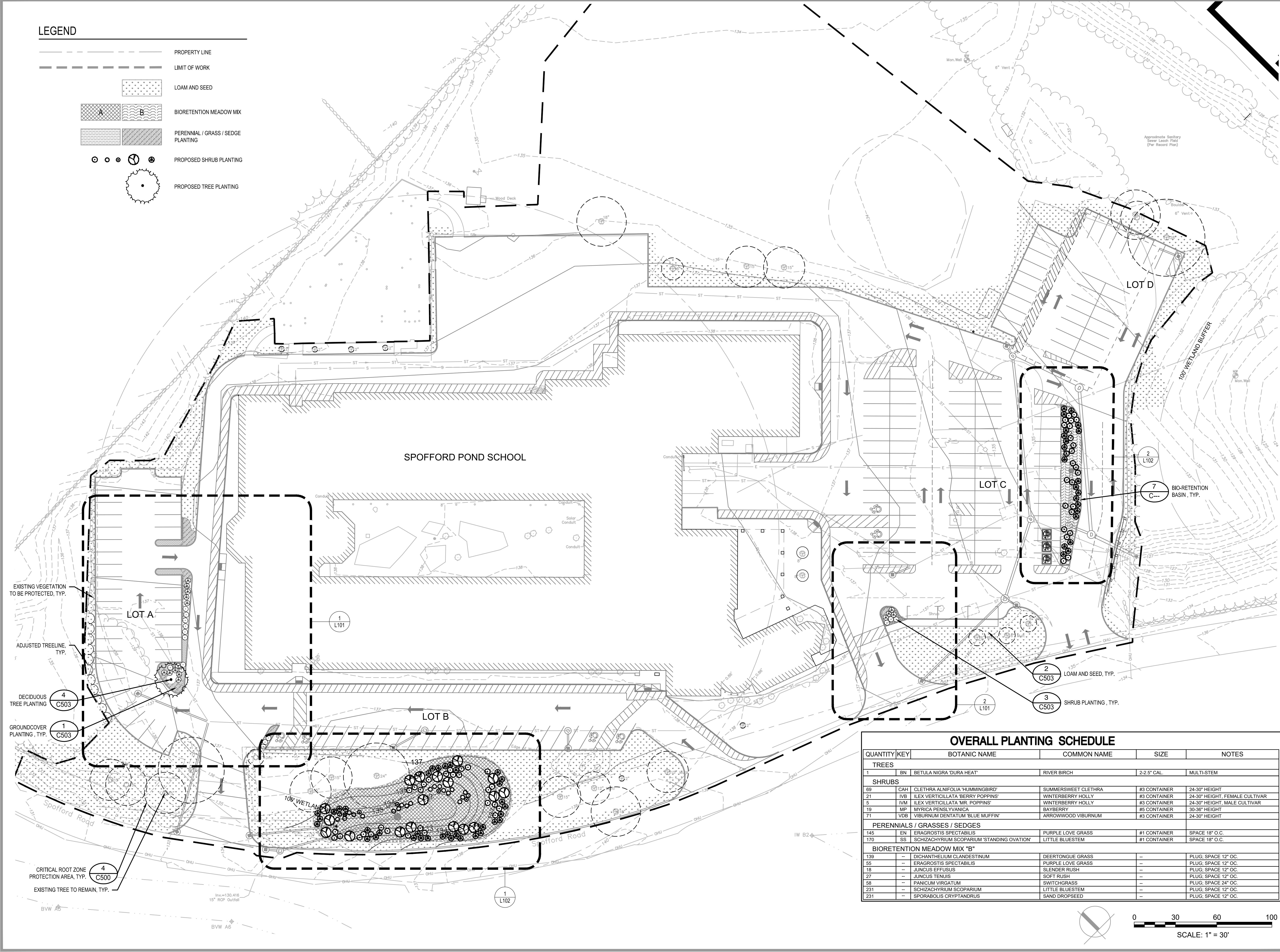
DETAILS IV

Sheet Number:

C503

LEGEND

-  PROPERTY LINE
-  LIMIT OF WORK
-  LOAM AND SEED
-  BIORETENTION MEADOW MIX
-  PERENNIAL / GRASS / SEDGE PLANTING
-  PROPOSED SHRUB PLANTING
-  PROPOSED TREE PLANTING



OVERALL PLANTING SCHEDULE					
QUANTITY	KEY	BOTANIC NAME	COMMON NAME	SIZE	NOTES
TREES					
1	BN	BETULA NIGRA 'DURA HEAT'	RIVER BIRCH	2-2.5' CAL.	MULTI-STEM
SHRUBS					
69	CAH	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	SUMMERSWEET CLETHRA	#3 CONTAINER	24-30" HEIGHT
21	IVB	ILEX VERTICILLATA 'BERRY POPPINS'	WINTERBERRY HOLLY	#3 CONTAINER	24-30" HEIGHT, FEMALE CULTIVAR
5	IVM	ILEX VERTICILLATA 'MR. POPPINS'	WINTERBERRY HOLLY	#3 CONTAINER	24-30" HEIGHT, MALE CULTIVAR
19	MP	MYRICA PENNSYLVANICA	BAYBERRY	#5 CONTAINER	30-36" HEIGHT
71	VDB	VIBURNUM DENTATUM 'BLUE MUFFIN'	ARROWWOOD VIBURNUM	#3 CONTAINER	24-30" HEIGHT
PERENNIALS / GRASSES / SEDGES					
145	EN	ERAGROSTIS SPECTABILIS	PURPLE LOVE GRASS	#1 CONTAINER	SPACE 18" O.C.
170	SS	SCHIZACHYRIUM SCOPARIUM 'STANDING OVATION'	LITTLE BLUESTEM	#1 CONTAINER	SPACE 18" O.C.
BIORETENTION MEADOW MIX "B"					
139	--	DICHANTHELIUM CLANDESTINUM	DEERTONGUE GRASS	--	PLUG; SPACE 12" O.C.
55	--	ERAGROSTIS SPECTABILIS	PURPLE LOVE GRASS	--	PLUG; SPACE 12" O.C.
18	--	JUNCUS EFFUSUS	SLENDER RUSH	--	PLUG; SPACE 12" O.C.
27	--	JUNCUS TENUIS	SOFT RUSH	--	PLUG; SPACE 12" O.C.
58	--	PANICUM VIRGATUM	SWITCHGRASS	--	PLUG; SPACE 24" O.C.
231	--	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	--	PLUG; SPACE 12" O.C.
231	--	SPOROBOLIS CRYPTANDRUS	SAND DROPSEED	--	PLUG; SPACE 12" O.C.

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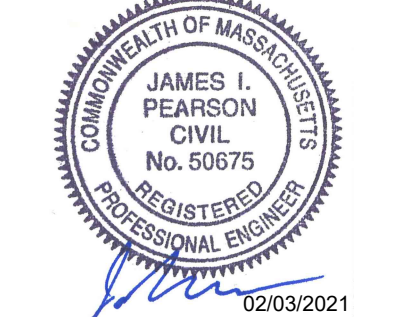
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JAMES L. PEARSON
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PROFESSIONAL ENGINEER
02/03/2021

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Reviewed By: CB
Approved By: JIP
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W&S File No.:

Overall Planting Plan

Sheet Number:
L100

