DRAFT - NOT FOR CONSTRUCTION

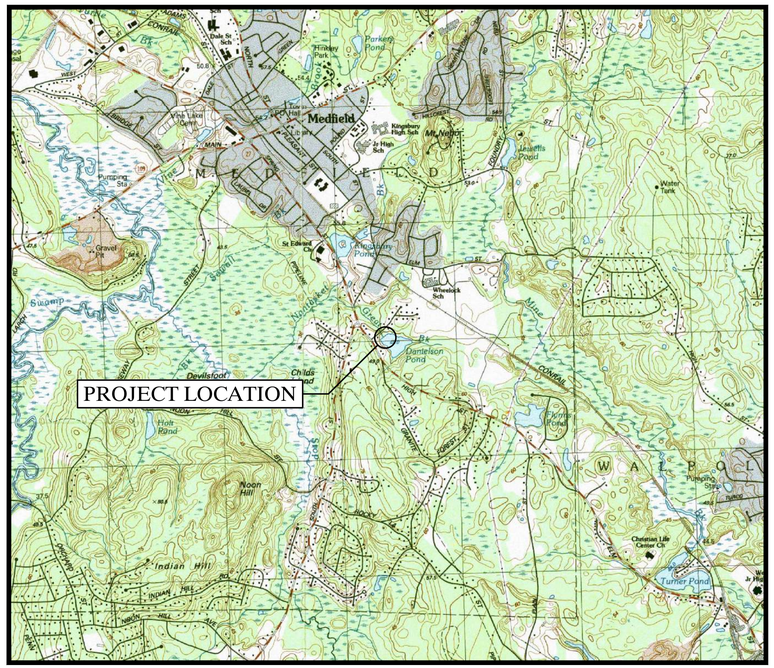
Prepared for The:

TOWN OF MEDFIELD

DANIELSON MILL DAM VEGETATION MAINTENANCE

MEDFIELD, MASSACHUSETTS

DECEMBER 2025



LOCUS PLAN
SCALE: 1" = 2000'

Drawing Index

0.0 COVER

1.0 NOTES & LEGEND

2.0 EXISTING CONDITIONS PLAN

3.0 PROPOSED SITE PLAN



AERIAL PLAN
SCALE: 1" = 400'

Prepared by:

PARE CORPORATION

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GENERAL NOTES:

1. FOR THE PURPOSE OF THIS PROJECT

   OWNER - TOWN OF MEDFIELD
   459 MAIN STREET
   MEDFIELD, MA 02052
   CONTACT - FINN KELLEY, CONSERVATION AGENT

   ENGINEER - PARE CORPORATION
   10 LINCOLN ROAD, SUITE 210
   FOXBORO, MA 02035
   CONTACT - HEATHER M. SHANKS, P.E.

2. ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE MASSACHUSETTS STATE BUILDING CODE, THE SPECIFICATIONS INCLUDED IN THIS CONTRACT, AND 302 CMR 10.00 DAM SAFETY. THESE PLANS ARE INCOMPLETE UNLESS ACCOMPANIED BY THE SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS.

3. THESE PLANS WERE DEVELOPED FROM NOTES TAKEN DURING PREVIOUS INSPECTIONS AND A SURVEY PERFORMED BY THE NORFOLK COUNTY ENGINEERING IN SPRING 2021. WETLAND FLAGS WERE FLAGGED BY PARE PERSONNEL ON APRIL 12, 2021 AND RE-DELINEATED ON OCTOBER 29, 2025. PROPERTY AND RIGHT OF WAY LINES ARE TAKEN FROM MASS MAPPER GIS.

4. ELEVATIONS REFERENCE NAVD 1988. VERTICAL CONTROL DERIVED FROM MASSDOT BENCHMARK 7023, ELEVATION 156.83. HORIZONTAL DATUM REFERENCES NAD 1983 OPUS SOLUTION, STATE PLANE COORDINATES MA MAINLAND.

5. BORINGS WERE COMPLETED BY TECHNICAL DRILLING SERVICES, INC. AND OBSERVED BY PARE PERSONNEL ON APRIL 19, 2021. DEPTHS AND THICKNESS OF THE SUBSURFACE STRATA INDICATED HEREIN ARE GENERALIZED FROM THE SUBSURFACE DATA COLLECTED. INFORMATION SHOWN FOR THE DAM IS INTERPOLATED AND MAY DIFFER.

6. ANY DISCREPANCIES ON THESE PLANS WITH REGARD TO DIMENSIONS OR CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PORTION OF WORK.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS. PLANS SHALL NOT BE SCALED FOR DIMENSIONS.

8. CONSTRUCTION SHALL BE MADE FROM APPROVED SHOP DRAWINGS ONLY.

9. NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.

10. INFORMATION REGARDING THE LOCATIONS OF SURROUNDING STRUCTURES, UTILITIES, AND THE AS-BUILT CONFIGURATION AND CONDITION OF THE EXISTING DAM IS FURNISHED SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR AND SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL CONDUCT ITS OWN INDEPENDENT EXAMINATION OF SITE CONDITIONS FOR THE PURPOSE OF BIDDING, FABRICATION, AND CONSTRUCTION ASSOCIATED WITH THE PROJECT. ANY RELIANCE UPON INFORMATION MADE AVAILABLE BY THE OWNER OF ENGINEER SHALL BE AT THE CONTRACTOR'S RISK.

11. THE CONTRACTOR SHALL PROTECT ALL ADJACENT STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ALL DAMAGE TO ADJACENT STRUCTURE AND UTILITIES AT NO ADDITIONAL COST TO THE OWNER.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL PROJECT DEMOLITION AND EXCESS MATERIAL IN ACCORDANCE WITH MASSACHUSETTS, LOCAL, AND FEDERAL LAWS.

13. THE CONTRACTOR SHALL FOLLOW ALL OSHA AND OTHER APPLICABLE FEDERAL, STATE, AND LOCAL STANDARDS FOR ALL PROJECT COMPONENTS AND ACTIVITIES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SITE SAFETY PROCEDURES AND PRACTICES REGARDLESS OF THE PRESENCE OF THE OWNER OR ENGINEER.

14. ALL CONSTRUCTION ACTIVITIES SHALL BE CONFINED TO THE LIMITS OF WORK AND TEMPORARY EASEMENTS DEFINED HEREIN.

15. WHERE REFERENCE IS MADE TO ANY STANDARD SPECIFICATION IT SHALL MEAN THE MOST RECENT SPECIFICATION, CODE, STANDARD, OR INTERIM SPECIFICATIONS OF THE ORGANIZATION REFERRED TO AND SHALL BE CONSIDERED A PART OF THESE CONTRACT DOCUMENTS TO THE EXTENT INDICATED. IN CASE OF CONFLICT, THE MORE RIGID REQUIREMENTS AND CODES SHALL GOVERN. THESE CODES INCLUDE, BUT ARE NOT LIMITED TO: AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).

16. THE CONTRACTOR SHALL STAGE ALL EQUIPMENT IN THE DESIGNATED STAGING AREA. ALL GREASING AND REFUELING ACTIVITIES SHALL OCCUR IN THE STAGING AREA.

17. THE CONTRACTOR SHALL MAINTAIN A SECURE SITE AND PROVIDE APPROPRIATE SAFETY MEASURES TO PREVENT ACCIDENTS. THE SAFETY MEASURES MAY INCLUDE, BUT NOT BE LIMITED TO SIGNAGE, BARRICADES, FENCES, FLASHING WARNING LIGHTS, AND POLICING IF NECESSARY.

18. NO WORK OR DISCHARGES, OTHER THAN THAT SHOWN, SHALL BE PERFORMED WITHIN JURISDICTIONAL RESOURCE AREAS WITHOUT FIRST RECEIVING PROPER PERMITS FROM THE REGULATORY AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RESTORING AND REPAIRING ALL DAMAGE AS A RESULT OF UNAUTHORIZED WORK OR DISCHARGES AT NO ADDITIONAL COST TO THE OWNER.

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROLS INCLUDING STRAW BALES, SILT FENCE, AND/OR ANY OTHER CONTROLS AS INDICATED IN THE CONTRACT DOCUMENTS.

2. THE CONTRACTOR SHALL PREVENT SEDIMENT, CONSTRUCTION MATERIALS, AND CONSTRUCTION DEBRIS FROM ENTERING THE IMPOUNDMENT, DOWNSTREAM CHANNELS, OR RESOURCE AREAS.

3. STOCKPILES SHALL BE A MINIMUM OF 1-FOOT FROM THE EDGE OF ANY SLOPE TO LIMIT RUNOFF DOWN THE EMBANKMENT SLOPES.

4. EROSION CONTROLS SHALL BE MODIFIED OR EXPANDED AS FIELD CONDITIONS WARRANT.

5. ANY DAMAGED AREAS SHALL BE REPAIRED WITHIN 24 HOURS OF DISCOVERY.

6. DISCHARGE OF TURBID WATER TO THE RIVER, IMPOUNDMENT, OR ANY WETLAND IS PROHIBITED.

TREE REMOVAL NOTES

1. CONTRACTOR SHALL CUT, REMOVE AND DISPOSE ALL TREES IDENTIFIED FOR REMOVAL.

2. ALL DISPOSAL SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.

LOAM AND SEED NOTES

1. UPON COMPLETION OF GRADING, ALL EXPOSED SURFACES NOT OTHERWISE TO BE TREATED SHALL BE COVERED WITH A MINIMUM OF 6" OF LOAM AND SEEDED. THE CONTRACTOR SHALL MAINTAIN ALL SEEDED AREAS UNTIL A SATISFACTORY STAND OF HEALTHY GRASS IS ESTABLISHED AS DEFINED HEREIN.

2. CONTRACTOR SHALL APPLY FERTILIZER AND SEED TO PREPARED TOPSOIL SURFACE AT THE RATES INDICATED ON SHEET 3.0.

3. CONTRACTOR SHALL SEED ENTIRE SLOPE AND DISTURBED AREA AS INDICATED ON SHEET 3.0.

4. CONTRACTOR SHALL MULCH ENTIRE SEEDED AREA WITH STRAW MULCH.

5. CONTRACTOR SHALL INSTALL JUTE MESH OVER THE ENTIRE SEEDED AREA ON SLOPES STEEPER THAN 3H:1V AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR OVERLAPPING, ANCHORING, AND DIRECTION OF PLACEMENT.

6. SEED SHALL BE CERTIFIED, BLUE TAG, CLEAN, DELIVERED IN ORIGINAL, UNOPENED PACKAGES AND BEARING AN ANALYSIS OF THE CONTENTS, GUARANTEED 95% PURE AND TO HAVE A MINIMUM GERMINATION RATE OF 85% WITHIN 1 YEAR OF TEST.

7. ONSITE LOAM MAY BE REUSED SUBJECT TO APPROVAL BY OWNER'S REPRESENTATIVE.

8. OUTSIDE OF RESOURCE AREAS, LOAM BORROW SHALL GENERALLY CONFORM WITH ITEM M1.05.0 OF THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES. LOAM BORROW SHALL CONSIST OF FERTILE, FRIABLE, NATURAL TOPSOIL TYPICAL OF THE LOCALITY WITHOUT ADMIXTURE OF SUBSOIL, REFUSE, OR OTHER FOREIGN MATERIAL, AND SHALL BE OBTAINED FROM A WELL-DRAINED ARABLE SITE. IT SHALL BE REASONABLY FREE OF STUMPS, ROOTS, HEAVY OR STIFF CLAY, STONES LARGER THAN 1 INCH, LUMPS, COARSE SAND, NOXIOUS WEEDS, STICKS, BRUSH, OR OTHER LITTER. SEED SHALL CONFORM TO ITEM M6.03.0-2 OF THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.

9. WITHIN RESOURCE AREAS, LOAM BORROW SHALL HAVE APPROXIMATELY 50% LOAM AND 50% ORGANIC MATERIAL. SEED SHALL BE NEW ENGLAND WETLANDS PLANTS WETMIX OR APPROVED EQUAL.

10. FERTILIZER SHALL GENERALLY CONSIST OF A COMPLETE PLANT FOOD CONTAINING 16 PERCENT NITROGEN, 6 PERCENT AVAILABLE PHOSPHORIC ACID, AND 6 PERCENT POTASH, CONFORMING TO APPLICABLE STATE FERTILIZER LAWS. AVAILABILITY OF PLANT NUTRIENTS CONFORMING TO STANDARDS OF THE ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMIST (AOAC), UNIFORM IN COMPOSITION, DRY FREE-FLOWING, AND DELIVERED IN ORIGINAL, UNOPENED CONTAINERS BEARING MANUFACTURER'S GUARANTEED ANALYSIS.

BACKFILL NOTES

1. FOLLOWING REMOVAL OF EACH ROOT SYSTEM, THE SUBGRADE SHALL BE PROOF ROLLED WITH SIX PASSES OF VIBRATORY COMPACTION EQUIPMENT.

2. ENGINEERED FILL SHALL BE PLACED IN MAXIMUM 12-INCH LIFTS AND COMPACTED WITH A VIBRATORY COMPACTOR.

3. ENGINEERED FILL SHALL BE IMPORTED CLEAN FILL CONFORMING TO TYPE "B" OF SECTION M1.03.0 OF MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, MODIFIED SUCH THAT 10 TO 25 PERCENT OF MATERIAL PASSES THE NO. 200 SIEVE. GRADATION CAN BE FOUND ON SHEET 3.0.

4. EACH LIFT SHALL BE COMPACTED TO 98% COMPACTION, AS DETERMINED BY A MODIFIED PROCTOR TEST.

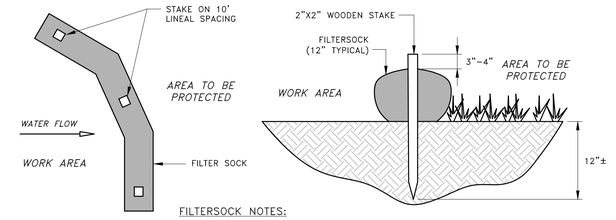
CONSTRUCTION SEQUENCE

THE FOLLOWING SEQUENCE IS INTENDED TO BE GENERAL IN NATURE AND SHALL NOT BE CONSIDERED DIRECTION BY THE ENGINEER OR THE OWNER. ALTHOUGH IT IS LIKELY THAT SOME OF THE WORK ITEMS WILL OVERLAP, CONSTRUCTION SEQUENCES FOR THE VARIOUS PROJECT COMPONENTS ARE DESCRIBED SEPARATELY AND MAY NOT NECESSARILY PROCEED IN CONSECUTIVE ORDER. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.

1. CONTRACTOR MOBILIZATION.
2. ESTABLISH ACCESS AND STAGING AREAS.
3. CLEAR ALL TREES STUMPS, SHRUBS, BRUSH, AND WOODY VEGETATION WITHIN THE LIMITS OF WORK.
4. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS.
5. GRUB AND STRIP VEGETATION AS SPECIFIED WITHIN THE LIMITS OF WORK.
6. FILL RESULTING VOIDS WITH APPROVED MATERIAL IN COMPACTED LIFTS.
7. PLACEMENT OF LOAM AND SEED ON AREAS DISTURBED BY THE CONSTRUCTION ACTIVITIES.
8. NOTIFY ENGINEER OF SUBSTANTIAL COMPLETION.
9. DEMOBILIZE AND RETURN DISTURBED AREAS OF THE SITE TO PRE-CONSTRUCTION CONDITIONS.

LEGEND

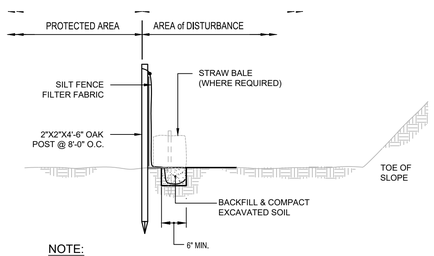
EXISTING		PROPOSED
	PROPERTY LINE	
52	1' CONTOUR	
55	5' CONTOUR	
	EDGE OF PAVE/CONC.	
	WALL	
	STONE WALL	
	OVERHEAD WIRE	
	UTILITY POLE	
	GUY	
	DRAIN MANHOLE	
	CATCH BASIN	
	SEWER MANHOLE	
WG	WATER GATE	
HYD	HYDRANT	
GG	GAS GATE	
	TREE	
	TREELINE	
	TREE TO BE CLEARED & GRUBBED	
	CUT AND GRIND STUMPS	
	EDGE OF WATER	
WF# WF#	EDGE OF WETLAND	
	50 FOOT BUFFER ZONE	
	100 FOOT BUFFER ZONE	
	200 FOOT RIVERFRONT AREA	
BHL B21-#	BORING	
	COMPOST FILTER SOCK	
	LIMIT OF DISTURBANCE	LOD



FILTERSOCK NOTES:

1. COMPOST / SOIL / ROCK / SEED FILL TO MEET APPLICATION REQUIREMENTS.
2. COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE AS DETERMINED BY ENGINEER.

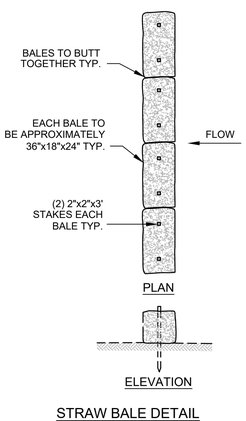
FILTERSOCK DETAIL
NOT TO SCALE



NOTE:

SILT FENCE FABRIC SHALL NOT BE SLIT. STRAW BALE POST SHALL BE DRIVEN THROUGH SILT FENCE FABRIC.

SILT FENCE DETAIL
NOT TO SCALE



STRAW BALE DETAIL
NOT TO SCALE

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

DANIELSON MILL DAM VEGETATION MAINTENANCE

MA03351
MEDFIELD, MASSACHUSETTS

REVISIONS:

PROJECT NO.:	25155.00
DATE:	DECEMBER 2025
SCALE:	AS NOTED
DESIGNED BY:	CTK
CHECKED BY:	HMS
DRAWN BY:	LMC
APPROVED BY:	ARO

DRAWING TITLE:

NOTES & LEGEND

DRAWING NO.:
1.0

SHEET NO. 2 OF 4

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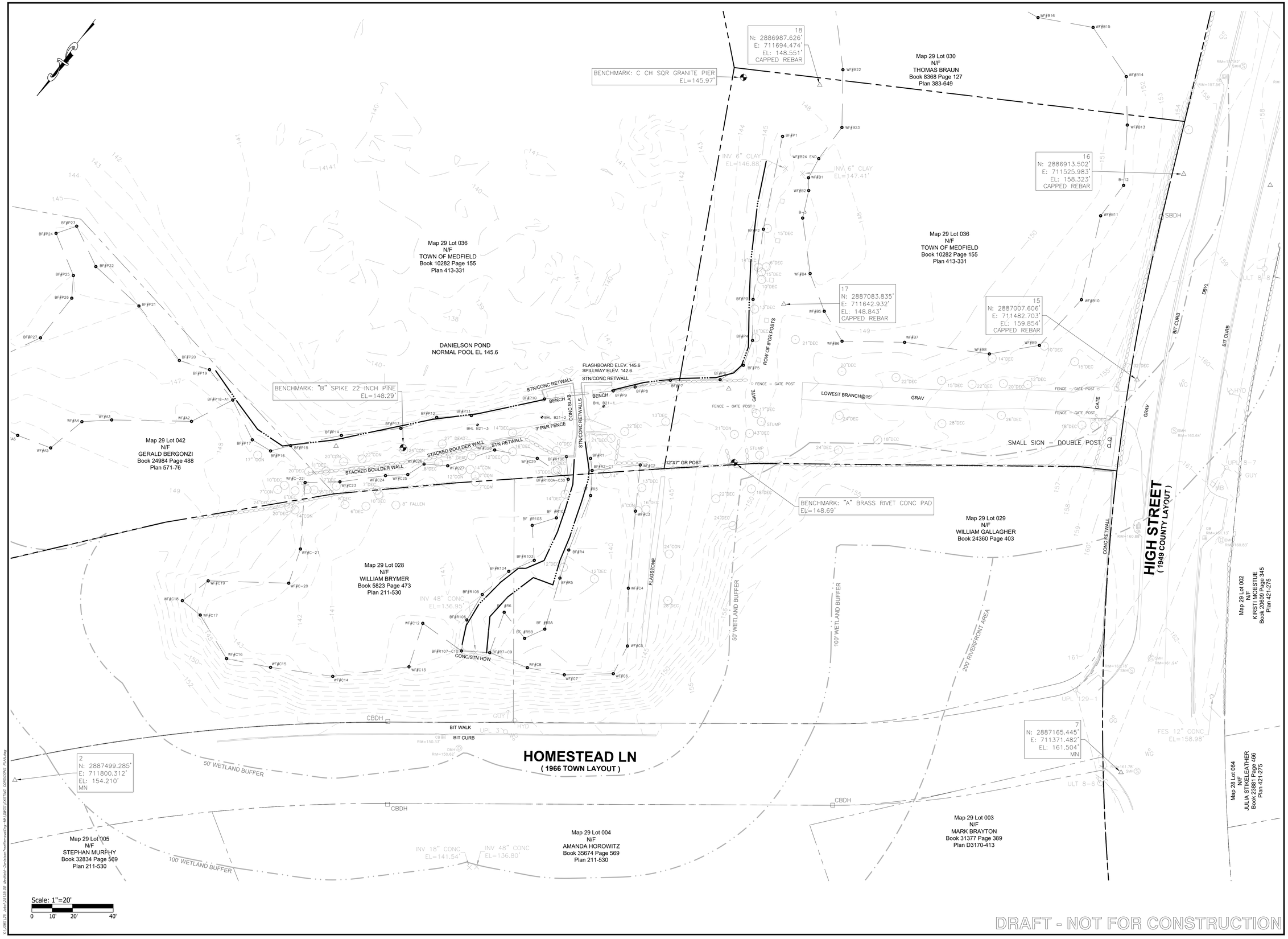

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SCALE ADJUSTMENT GUIDE
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DANIELSON MILL DAM VEGETATION MAINTENANCE

MA03351
MEDFIELD, MASSACHUSETTS

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CHECKED BY:	HMS
DRAWN BY:	LMC
APPROVED BY:	ARO

DRAWING TITLE:

EXISTING CONDITIONS PLAN

DRAWING NO.:
2.0

SHEET NO. 3 OF 4

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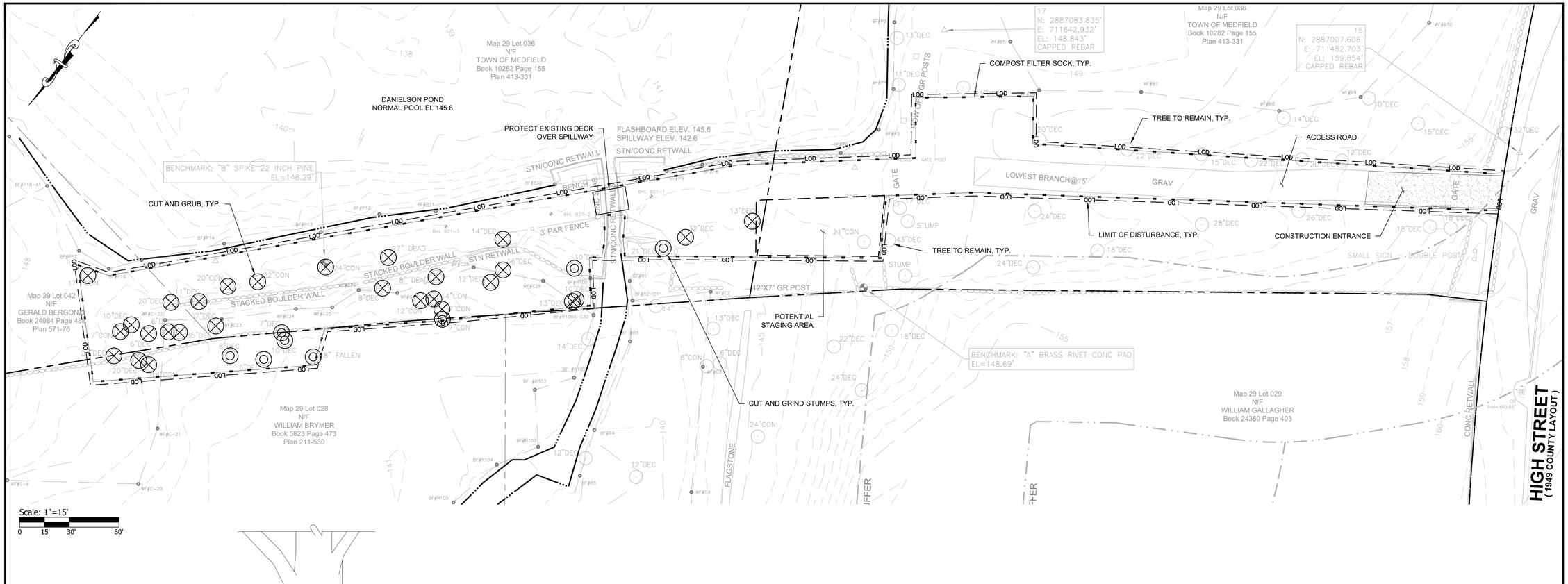
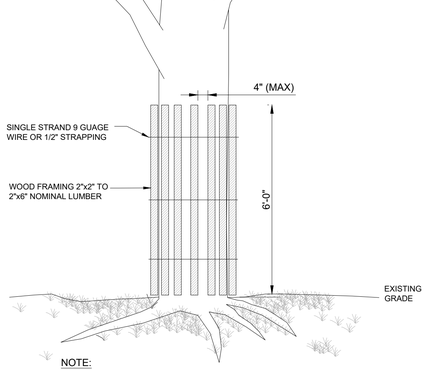


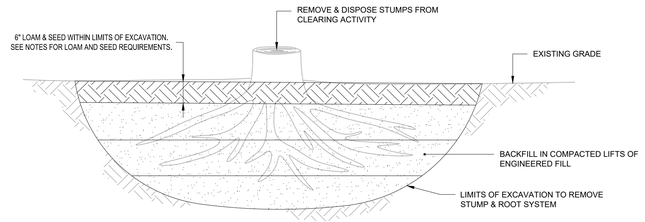


NOTE:

THIS DETAIL SHALL BE USED TO PROTECT THE TREE'S TRUNK IN SITUATIONS WHERE CONSTRUCTION IS IN CLOSE PROXIMITY.

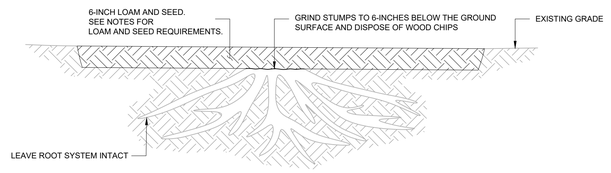
TREE PROTECTION DEVICE

NOT TO SCALE



STUMP / ROOT VOID BACKFILL

NOT TO SCALE

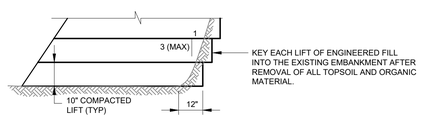


CUT AND GRIND

NOT TO SCALE

TREE REMOVAL NOTES:

1. DO NOT GRUB ROOT SYSTEMS FOR TREES LABELED FOR CUT AND GRIND.
2. BACKFILL WITH COMPACTED ENGINEERED FILL (AS REQUIRED) AND LOAM.
3. ROOT SYSTEMS SHALL BE REMOVED TO A ROOT DIAMETER OF 1/2-INCH.



PLACEMENT OF FILL MATERIALS

NOT TO SCALE

PLACEMENT OF FILL NOTES:

1. FILL SHALL CONSIST OF ENGINEERED FILL. ENGINEERED FILL SHALL BE IMPORTED CLEAN FILL CONFORMING TO TYPE "B" OF SECTION M1.03.0 OF MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, MODIFIED SUCH THAT 10 TO 25 PERCENT OF MATERIAL PASSES THE NO. 200 SIEVE.
2. LIFTS SHALL BE MAXIMUM 12" LOOSE LIFT THICKNESS.

ENGINEERED FILL MATERIAL	
SIEVE SIZE	PERCENT PASSING
3-INCH	100
1-1/2 INCH	-
3/4 INCH	-
1/2 INCH	50 - 85
3/8 INCH	-
No. 4	40 - 75
No. 40	-
No. 50	8 - 28
No. 200*	10 - 25

ENGINEERED FILL SHALL BE PLACED IN 12" MAXIMUM LOOSE LIFTS AND COMPACTED TO 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY A MODIFIED PROCTOR TEST.

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DRAWING NO.:
3.0

SHEET NO. 4 OF 4

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