

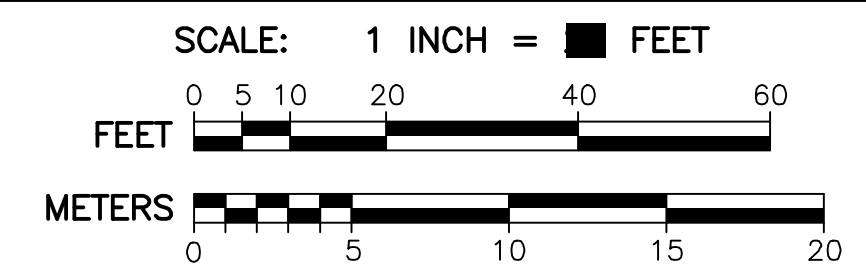
SUMMARY OF IMPACT AREA ALTERATIONS:

IMPACT AREA	BANK ALT. (LF)
1	290.5
2	442.2
3	93.6
4	48.7
5	20.0
6	92.0
7	31.8

TOTAL LINEAR FT OF BANK ALTERATION: 1,019 FT
 TOTAL ACREAGE OF SITE: 17.2 AC
 LIMIT OF WORK ACREAGE: 15.4 AC
 ZONING DISTRICT: BG-2.0

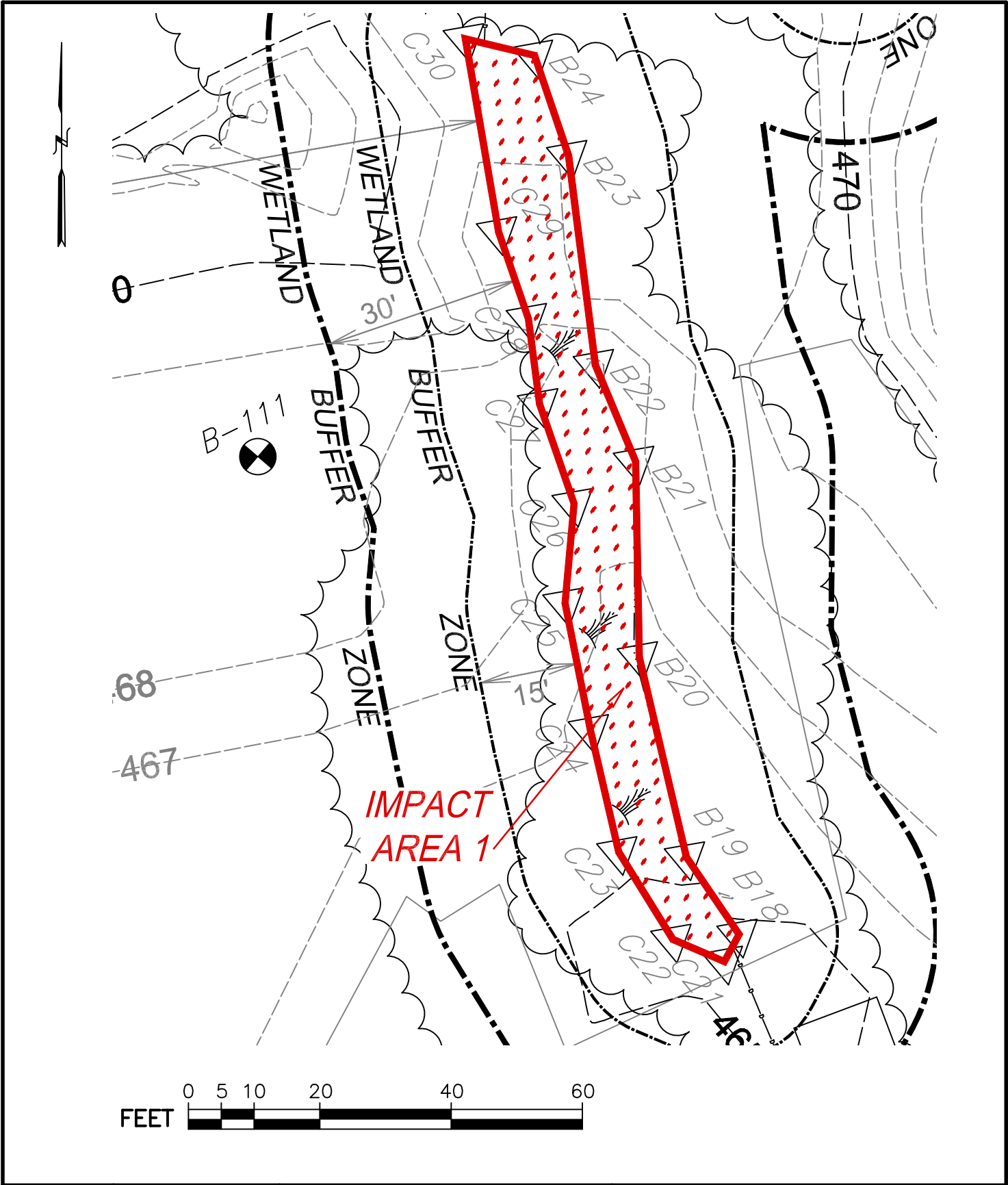
THOMPSON-LISTON ASSOCIATES, INC.
 Professional Engineers Professional Land Surveyors
 Erosion Control Specialists
 P O Box 570, Boylston MA 01505
 info@tlainc.net (508) 869-6151

DATE:	OCTOBER 21, 2024	DWG NO.:	GRAFTONWOODSDEFINITIVESITE
REVISIONS		DESCRIPTION	
DATE:		DESCRIPTION	



Grafton Woods
 LUXURY LIVING

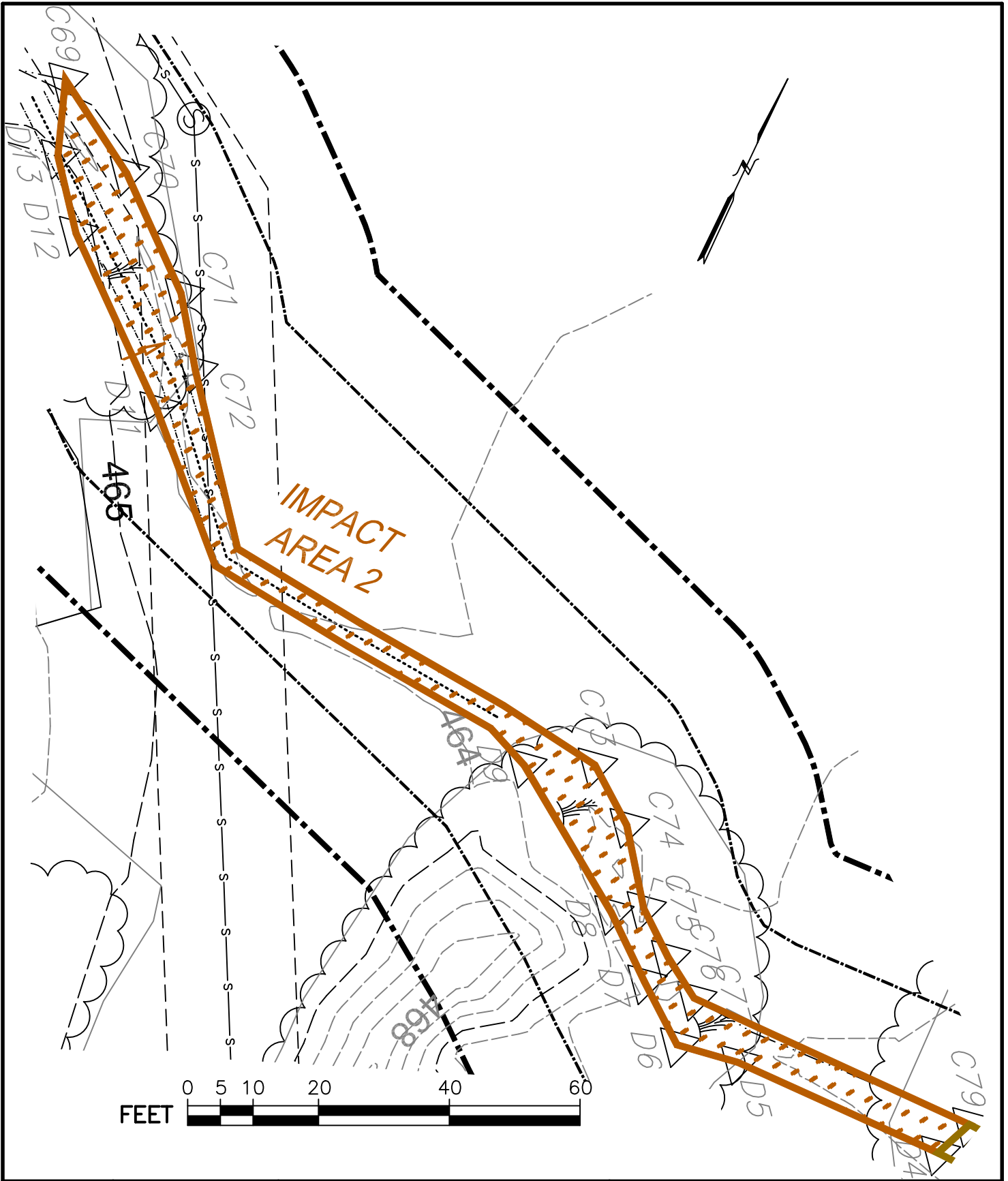
4 BRANDT LANE
 WORCESTER, MASSACHUSETTS
 OWNED BY:
BRANDT LANE DEVELOPMENT, LLC
 38 BRENTWOOD DRIVE
 HOLDEN, MASSACHUSETTS 01520
 WETLAND IMPACT KEY SHEET



ADDRESS:
4 BRANDT LANE
 DATE:
OCTOBER 29, 2024
 SCALE:
1"=20'

TLA THOMPSON-LISTON ASSOCIATES, INC.
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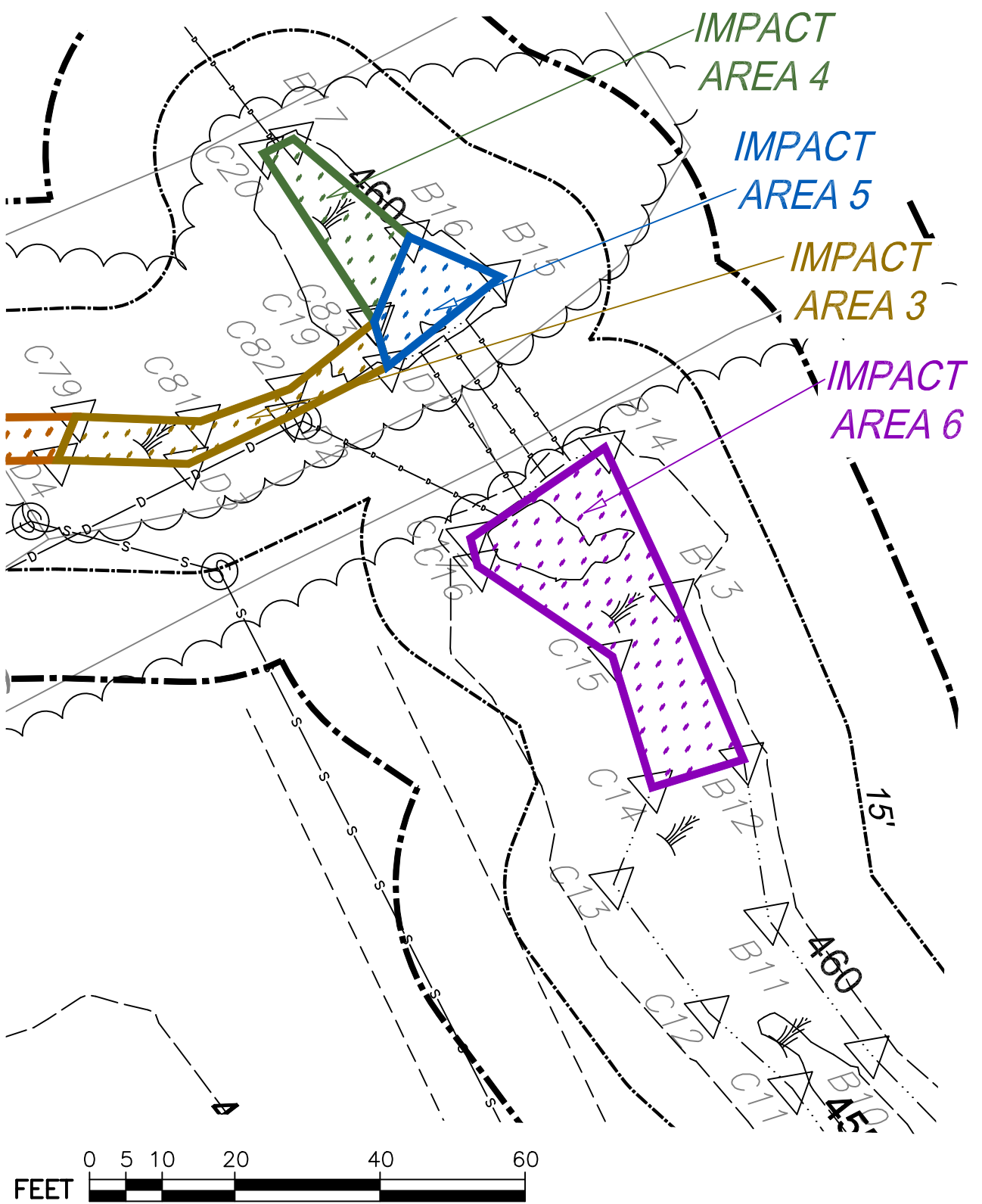
EXHIBIT SHOWING WETLAND IMPACT AREA 1
 IN
WORCESTER, MASSACHUSETTS
 PREPARED FOR
BRANDT LANE DEVELOPMENT, LLC



ADDRESS:
4 BRANDT LANE
 DATE:
OCTOBER 29, 2024
 SCALE:
1"=20'

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EXHIBIT SHOWING WETLAND IMPACT AREA 2
 IN
WORCESTER, MASSACHUSETTS
 PREPARED FOR
BRANDT LANE DEVELOPMENT, LLC



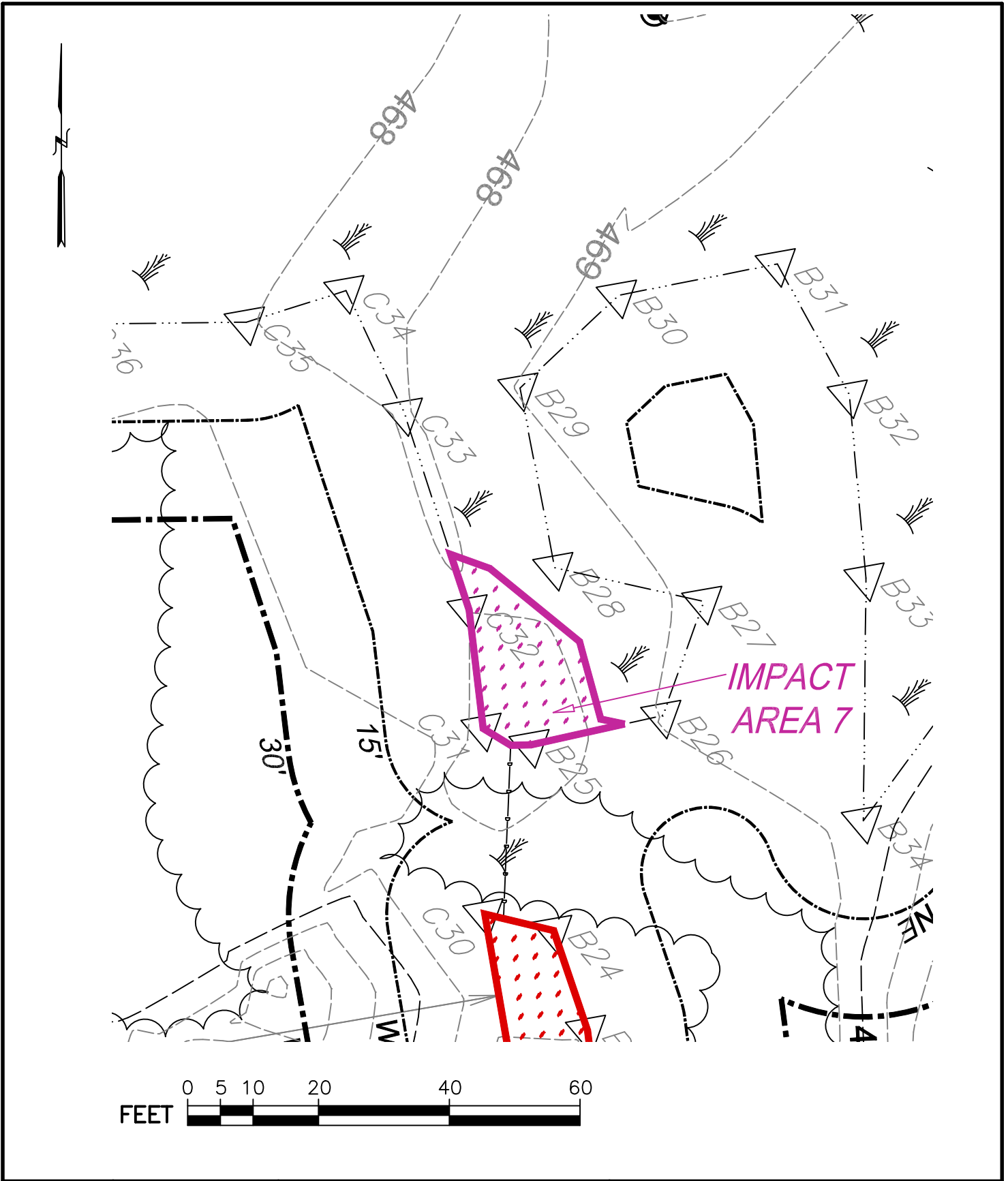
ADDRESS:
4 BRANDT LANE

DATE:
OCTOBER 29, 2024

SCALE:
1"=20'

TLA THOMPSON-LISTON ASSOCIATES, INC.
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Erosion Control Specialists
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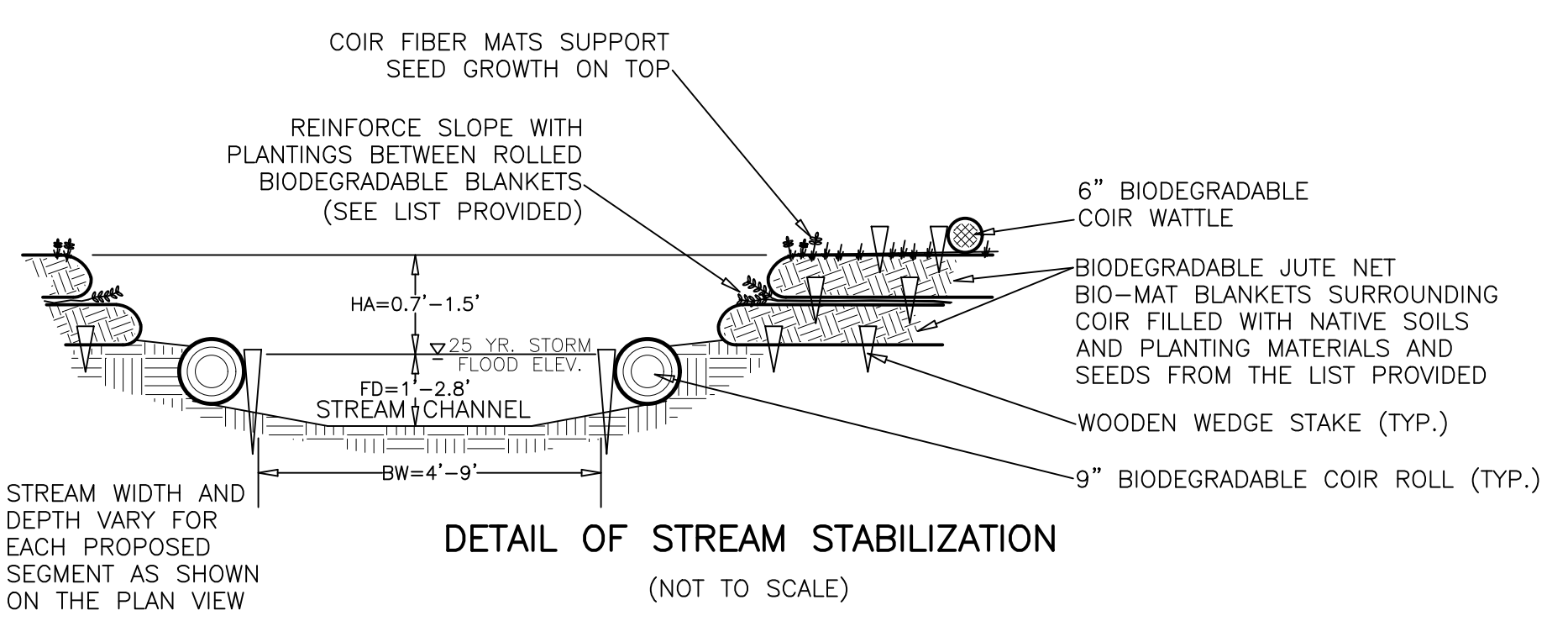
EXHIBIT SHOWING WETLAND IMPACT AREAS 3, 4, 5, & 6
 IN
WORCESTER, MASSACHUSETTS
 PREPARED FOR
BRANDT LANE DEVELOPMENT, LLC



ADDRESS:	4 BRANDT LANE
DATE:	OCTOBER 29, 2024
SCALE:	1"=20'


THOMPSON-LISTON ASSOCIATES, INC.
 Professional Engineers Professional Land Surveyors
 Erosion Control Specialists
 info@tlainc.net (508) 869-6151

EXHIBIT SHOWING WETLAND IMPACT AREA 7
 IN
WORCESTER, MASSACHUSETTS
 PREPARED FOR
BRANDT LANE DEVELOPMENT, LLC



PROPOSED STREAM DIMENSIONS

STREAM SEGMENT	BOTTOM WIDTH (BW)	FLOOD DEPTH (FD)	HEIGHT ABOVE (HA)
SGMT 1	4 FT	1 FT	1.5 FT
SGMT 2	4 FT	1 FT	1.5 FT
SGMT 3	9 FT	2.8 FT	0.7 FT

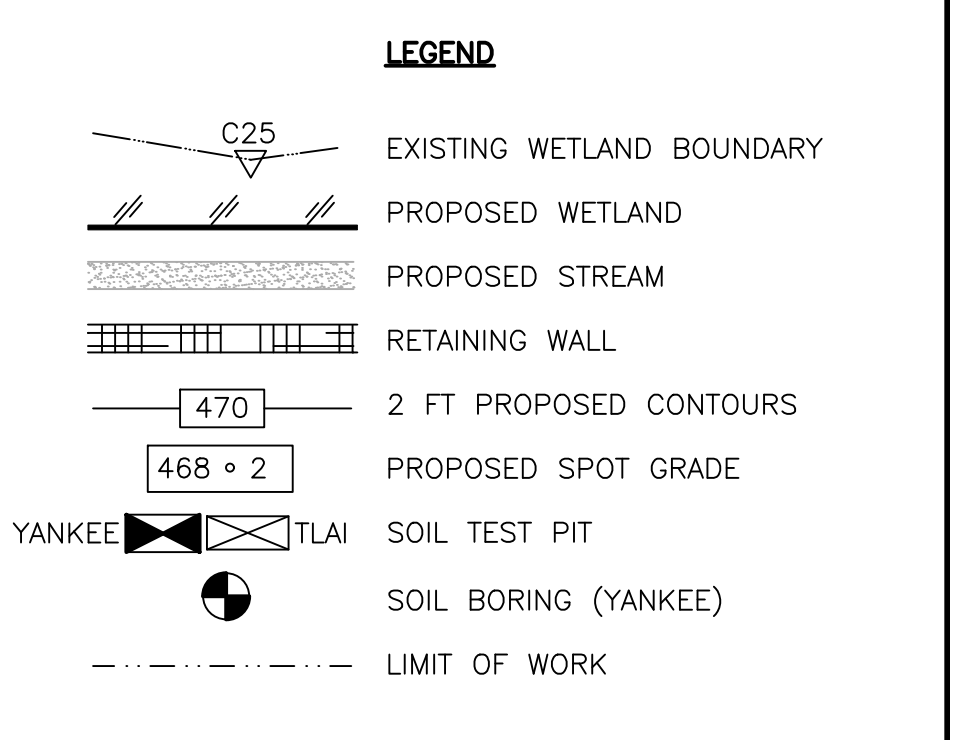
- LIST OF ACCEPTABLE PLANTINGS FOR STREAM STABILIZATION**
- CUTTINGS:**
 SILKY DOGWOOD (BANKS AND WET SLOPES)
 RED MULBERRY (UPLAND SLOPES)
- CONTAINER GROWTH:**
 SPECKLED ALDER (BANKS AND WET SLOPES)
- SEEDS:**
 NEW ENGLAND WET MIX (BANKS AND WET SLOPES)
 NEW ENGLAND CONSERVATION & WILDLIFE MIX (UPLAND SLOPES)
- NOTE: PLANTINGS MAY BE ADJUSTED IN CONSULTATION WITH THE CITY OF WORCESTER CONSERVATION COMMISSION

PLANTING SCHEDULE FOR CREATED WETLAND & RESTORATION AREAS:

WETLAND CREATION: AREAS "A" & "B"

QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
24 TOTAL	Quercus rubra	Red Oak	5' tall	15' on center
	Quercus alba	White Oak	5' tall	15' on center
	SHRUBS 126 TOTAL			
42	Cornus racemosa	Gray Dogwood	3' tall	10' on center
42	Corpinus caroliniana	American Hornbeam	3' tall	10' on center
42	Myrica pensylvanica	Bayberry	3' tall	10' on center
HERBACEOUS SEED MIX				
11 lbs	NEW ENGLAND CONSERVATION / WILDLIFE SEED MIX (NEW ENGLAND WETLAND PLANTS, INC.)			

- BUFFER ZONE RESTORATION: AREAS "C" & "D"**
- 4 lbs HERBACEOUS SEED MIX: NEW ENGLAND CONSERVATION / WILDLIFE SEED MIX WITH WOODY PLANTINGS (NEW ENGLAND WETLAND PLANTS, INC.)
- BUFFER ZONE RESTORATION WITH ONLY PLANTINGS: AREAS "E" & "F"**
- 4 lbs HERBACEOUS SEED MIX: NEW ENGLAND CONSERVATION / WILDLIFE SEED MIX (NEW ENGLAND WETLAND PLANTS, INC.)



SEE NOTICE OF INTENT PREPARED BY GODDARD CONSULTING, LLC. FOR FURTHER DETAILS AND INFORMATION REGARDING THE WETLAND AND STREAM IMPACTS, REPLICATION, AND CREATION.

SUMMARY OF IMPACT AREA ALTERATIONS:

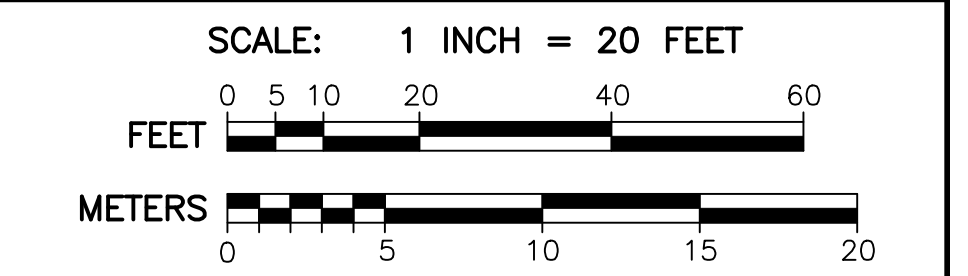
IMPACT AREA	BANK ALT. (LF)
1	290.5
2	442.2
3	93.6
4	48.7
5	20.0
6	92.0
7	31.8

TOTAL LINEAR FT OF BANK ALTERATION: 1,019 FT
 TOTAL LINEAR FT OF BANK REPLICATION: 2,695 FT
 TOTAL SQ FT OF BWV CREATION: 10,004 SF
 1,954 SF @ NORTH
 8,050 SF @ SOUTH

THOMPSON-LISTON ASSOCIATES, INC.
 Professional Engineers Professional Land Surveyors
 Erosion Control Specialists
 P O Box 570, Boylston MA 01505
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DATE: **OCTOBER 21, 2024** DWG NO. _____

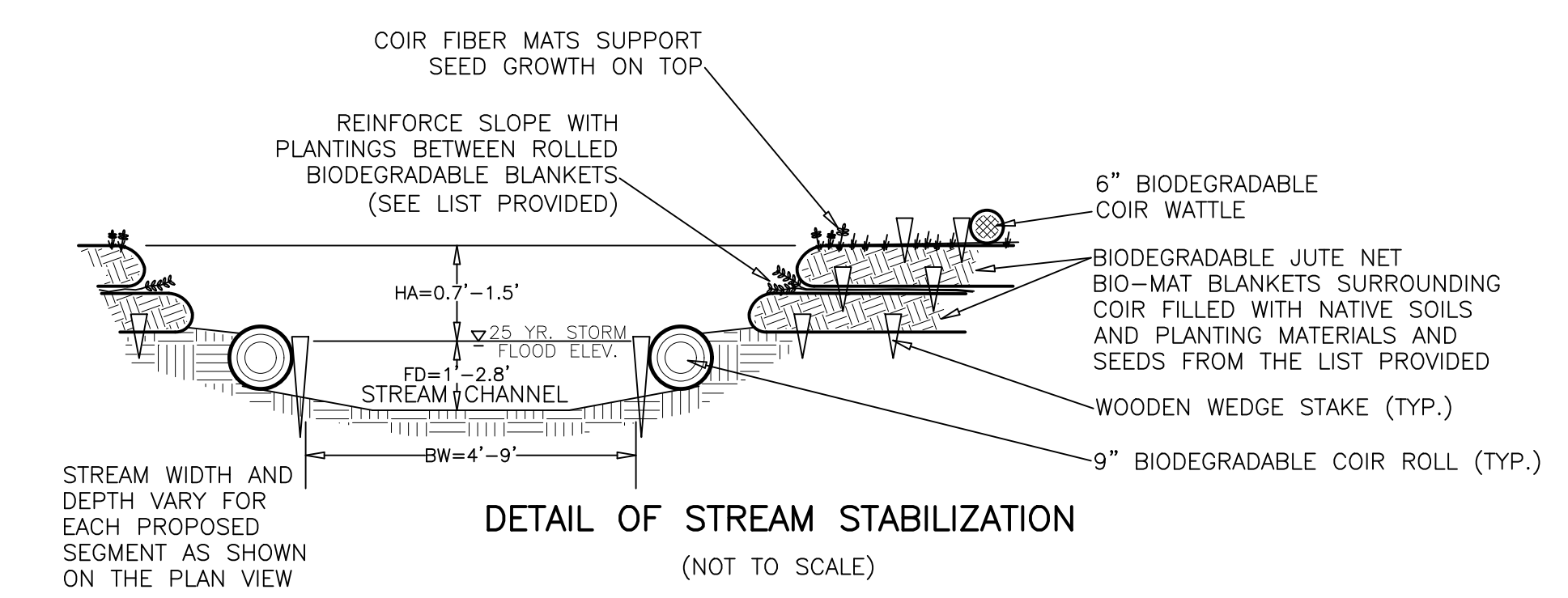
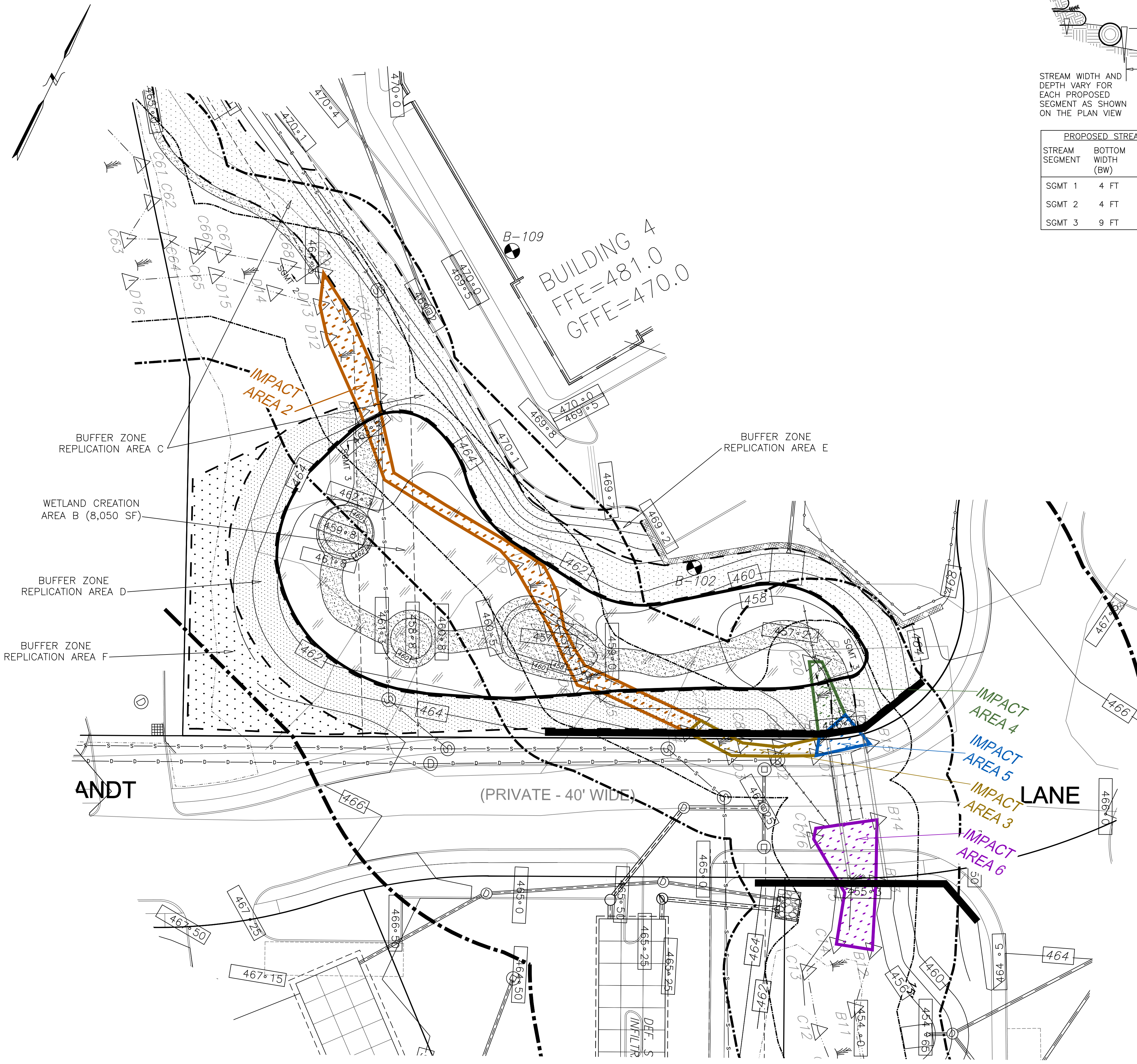
DATE	REVISIONS DESCRIPTION



DIG SAFE:
 EXCEPT FOR VISIBLE STRUCTURES (MANHOLES, GATES, POLES, ETC.) LOCATED BY THOMPSON-LISTON ASSOCIATES, INC., ALL UNDERGROUND UTILITIES SHOWN WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM THE VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND THEIR LOCATIONS DEPICTED HERE ARE APPROXIMATE ONLY. THE ACTUAL UTILITY LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE DESIGNING, EXCAVATING, BLASTING, DRILLING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAIRS ARE STARTED. ALL UTILITY COMPANIES, PUBLIC & PRIVATE, MUST BE CONTACTED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. THOMPSON-LISTON ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. CALL "DIG SAFE" AT 1-888-344-7233.

Grafton Woods
 LUXURY LIVING

4 BRANDT LANE
 WORCESTER, MASSACHUSETTS
 OWNED BY:
BRANDT LANE DEVELOPMENT, LLC
 38 BRENTWOOD DRIVE
 HOLDEN, MASSACHUSETTS 01520
 WETLAND CONSTRUCTION PLAN
 SHEET 1 OF 2 SHEETS



PROPOSED STREAM DIMENSIONS			
STREAM SEGMENT	BOTTOM WIDTH (BW)	FLOOD DEPTH (FD)	HEIGHT ABOVE (HA)
SGMT 1	4 FT	1 FT	1.5 FT
SGMT 2	4 FT	1 FT	1.5 FT
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LIST OF ACCEPTABLE PLANTINGS FOR STREAM STABILIZATION	
CUTTINGS:	
SILKY DOGWOOD (BANKS AND WET SLOPES)	RED MULBERRY (UPLAND SLOPES)
CONTAINER GROWTH:	
SPECKLED ALDER (BANKS AND WET SLOPES)	
SEEDS:	
NEW ENGLAND WET MIX (BANKS AND WET SLOPES)	NEW ENGLAND CONSERVATION & WILDLIFE MIX (UPLAND SLOPES)
NOTE: PLANTINGS MAY BE ADJUSTED IN CONSULTATION WITH THE CITY OF WORCESTER CONSERVATION COMMISSION	

PLANTING SCHEDULE FOR CREATED WETLAND & RESTORATION AREAS:

WETLAND CREATION: AREAS "A" & "B"

QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
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	SHRUBS 126 TOTAL			
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HERBACEOUS SEED MIX				
11 lbs	NEW ENGLAND CONSERVATION / WILDLIFE SEED MIX (NEW ENGLAND WETLAND PLANTS, INC.)			

BUFFER ZONE RESTORATION: AREAS "C" & "D"

4 lbs HERBACEOUS SEED MIX: NEW ENGLAND CONSERVATION / WILDLIFE SEED MIX WITH WOODY PLANTINGS (NEW ENGLAND WETLAND PLANTS, INC.)

BUFFER ZONE RESTORATION WITH ONLY PLANTINGS: AREAS "E" & "F"

4 lbs HERBACEOUS SEED MIX: NEW ENGLAND CONSERVATION / WILDLIFE SEED MIX (NEW ENGLAND WETLAND PLANTS, INC.)

LEGEND

- C25 EXISTING WETLAND BOUNDARY
- PROPOSED WETLAND
- PROPOSED STREAM
- RETAINING WALL
- 470 2 FT PROPOSED CONTOURS
- 468 + 2 PROPOSED SPOT GRADE
- YANKEE TLAI SOIL TEST PIT
- SOIL BORING (YANKEE)
- LIMIT OF WORK

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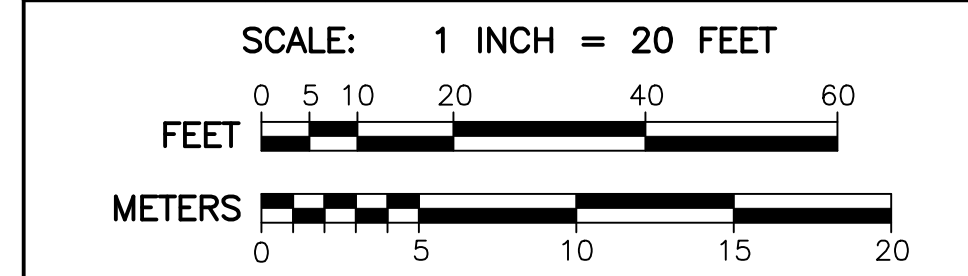
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WETLAND CONSTRUCTION PLAN
SHEET 2 OF 2 SHEETS