

### LEGEND

EXISTING	PROPOSED
ELEVATION CONTOUR X100.0	100
SPOT GRADE	FG
PROPERTY LINE	
WETLAND DELINEATION	
WETLAND BUFFER ZONE	
SHORELINE	
TREE LINE / EDGE OF VEGETATION	
CAPE COD BERM CURBING	
GRANITE CURBING	
GRAVEL/DIRT ROAD	
STOCKADE FENCE	
OVERHEAD POWER LINE	
UTILITY POLE	OHW
GUY WIRE	
ELECTRIC BOX	
STORM DRAIN	
STRAW WATTLES	SD
DEEP SOIL OBSERVATION HOLE	

### ABBREVIATIONS

EL	ELEVATION	HDPE	HIGH DENSITY POLYETHYLENE
SF	SQUARE FEET	N/F	NOW OR FORMERLY
AC	ACRES	WF	WETLAND FLAG
FT	FEET	TW	TOP OF WALL
BIT	BITUMINOUS	BW	BOTTOM OF WALL
FG	FINISH GRADE	LS	LANDSCAPING
FF	FINISH FLOOR		

### ELEVATION DATUM

DATUM: NAV 83 B.M. NO.1

### PLAN REFERENCES

- "PLAN OF LAND IN LITTLETON, MA, PREPARED BY HARLANE TUTTLE, SURVEYOR FOR CHARLES A. HARTWELL JR. PROJECT #792 OF 1972. DATED 6/12/1972. RECORDED AT THE MIDDLESEX SOUTH REGISTRY OF DEEDS ON 6/27/1972, BOOK 12233 PAGE "END".
- "GARAGE ENLARGEMENT FOUNDATION PLAN, 76 HARTWELL AVENUE, LITTLETON, MA." PREPARED BY BARTLETT HARVEY DESIGN FOR HARTWELL RESIDENCE. DATED 4/18/2025.

### ASSESSORS REFERENCE:

ASSESSORS MAP R17, PARCEL 7-D 0.98 ACRES

RECORD OWNER: MARC R. NATHANSON  
TERRI J. NATHANSON  
76 HARTWELL AVENUE  
LITTLETON, MA 01460

### EXISTING CONDITIONS NOTES:

- EXISTING CONDITION INFORMATION BASED ON AN ON-THE-GROUND BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY GOLDSMITH, PREST & RINGWALL, INC. DATED 3/12/2025.
- EDGE OF WETLAND DELINEATED BY MATTHEW S. MARRO ENVIRONMENTAL CONSULTING ON 3/7/2025. WETLAND FLAGS LOCATED BY GOLDSMITH, PREST & RINGWALL, INC. DATED 3/12/2025.

### EROSION AND SEDIMENT CONTROL REQUIREMENTS

#### PART 1 - GENERAL

- FURNISH, INSTALL, AND MAINTAIN TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS, BUT NOT NECESSARILY LIMITED TO, STRAW WATTLES, SILT FENCE BARRIERS, RIPRAP, DIVERSION CHANNELS AND BERMS, CHECK DAMS, STRATEGICALLY LOCATED STOCKPILES, SEDIMENT BASINS, MULCH, AND SEDIMENT MIX (HEREAFTER "CONTROL MEASURES") ADEQUATE TO PREVENT THE CONVEYANCE OF EROSION PRODUCTS (E.G. SOIL, MULCH, SOD) OFF SITE, AND TO PROTECT ENVIRONMENTALLY SENSITIVE AREAS. AREAS REFERRED TO AS ADVERSELY IMPACTED ENVIRONMENTALLY SENSITIVE AREAS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, WETLANDS, TRIBUTARIES TO WETLANDS, WETLAND BUFFER ZONES, INTERMITTENT AND PERENNIAL STREAMS / RIVERS, AND THEIR ATTENDANT BUFFER ZONES. MEASURES REQUIRED TO CONSTITUTE THE CONTROL MEASURES WILL BE DELEGATED ONLY FOR VEGETATION CLEARING. THE DRAWINGS ARE NOT INTENDED TO GRAPHICALLY DEPICT ALL CONTROL MEASURES THAT WILL BE REQUIRED TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A.
- DESEVE, EMPLOY CONTROL MEASURES THROUGHOUT THE DURATION OF PROJECT, OVER ALL AREAS DISTURBED OR IDENTIFIED BY CONSTRUCTION, AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A.
- DESEVE AND EMPLOY TEMPORARY CONTROL MEASURES AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A, WHILE ALLOWING WORK TO PROCEED IN AN EFFICIENT, COORDINATED, AND TIMELY MANNER.
- DESEVE, EMPLOY AND MAINTAIN CONTROL MEASURES UNTIL SUCH TIME AS THE ENTIRE SITE IS PERMANENTLY STABILIZED BY ESTABLISHED VEGETATION, FINISH LANDSCAPE MATERIALS, PAVED SURFACES, AND / OR ROOF AREA.
- ONCE THE SITE IS PERMANENTLY STABILIZED AND CERTIFIED AS SUCH BY ENGINEER, REMOVE TEMPORARY CONTROL MEASURES WHILE PROTECTING STABILIZED SURFACES.

#### PART 2 - QUALITY ASSURANCE

- MANUFACTURERS' GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS FROM ACCEPTABLE MANUFACTURERS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- CONFORM TO CONDITIONS OF APPROVAL ISSUED BY REGULATORY AGENCIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, LOCAL PLANNING BOARD, CONSERVATION COMMISSION, BOARD OF SELECTMEN, BOARD OF ZEPLAN, PURCHASE, MASS. DEPARTMENT OF ENVIRONMENT, STATE ENVIRONMENTAL PROTECTION DEPARTMENT, AND U.S. GOVERNMENT, ENVIRONMENTAL PROTECTION AGENCY, WHERE CONDITIONS OF REGULATORY APPROVAL DIFFER FROM REQUIREMENTS CONTAINED HEREIN OR ON THE DRAWINGS, COMPLY WITH THE MORE STRINGENT REQUIREMENT.

#### PART 2 - PRODUCTS

- STRAW WATTLES: 100% WHEAT STRAW WITH NATURAL BIO-DEGRADABLE JUTE NETTING, MINIMUM 9-INCH DIAMETER AND 10 FEET LONG. USE 12-INCH OR 20-INCH DIAMETER WATTLES TO PROTECT SITES IN UPLAND AREAS.
- SILT FENCE: NON-WOVEN, UV-RESISTANT, POLYPROPYLENE FABRIC, FLOW RATED AT 10 GPM/SF MINIMUM, GRAB TENSILE RATED AT 124 POUNDS MINIMUM, WITH INTEGRAL STAKE LOOPS, AND HARDWOOD STAKES. USE NO. 2130 BY AMOCO FABRICS & FIBERS, OR APPROVED EQUAL.
- MULCH: ORGANICS INCLUDING STRAW, PROCESSED PINE / HEMLOCK TWIGS AND NEEDLES.
- SEED MIXES: PERENNIAL RYEGRASS, KENTUCKY BLUEGRASS, AND / OR FINE FESCUE. DISEASE RESISTANT, NON-MAINTAINED AREA OPTION - ANNUAL RYEGRASS COMBINED WITH MEDIUM RED CLOVER.

#### PART 3 - EXECUTION

- THROUGHOUT CONSTRUCTION
  - DESEVE WORK SEQUENCE SO AS TO LIMIT DRAINAGE AREA THAT IS TURBIDITY TO DISTURBED AREAS. DESEVE, EMPLOY, AND MAINTAIN CONTROL MEASURES SUCH AS DIVERSION CHANNELS AND BERMS, STRATEGICALLY LOCATED STOCKPILES, AND SEDIMENT BASINS TO SUBDIVIDE DRAINAGE AREAS INTO SMALL, MANAGEABLE SUBAREAS, THEREBY MINIMIZING RUNOFF AND THE POTENTIAL FOR EROSION.
  - MAINTAIN BARRIER AT LIMIT OF WORK AND PROTECT EXISTING VEGETATION / FACILITIES OUTSIDE OF LIMIT OF WORK.
  - MAINTAIN SPARE MATERIAL STOCKPILES FOR IMMEDIATE EMPLOYMENT / REPAIR / EXPANSION OF CONTROL MEASURES. AT A MINIMUM, SUCH MATERIALS SHALL INCLUDE HAY BALES, SILT FENCE OR STAKES, AND CRUSHED STONE.
  - INSPECT AND MAINTAIN EFFECTIVENESS OF CONTROL MEASURES BY REPAIRING AS NECESSARY TO ENSURE INTENDED FUNCTION; BY SUPPLEMENTING AS NECESSARY FOR ADEQUATE EXTENT; BY REMOVING TRAPPED PRODUCTS OF EROSION AS NECESSARY TO MAINTAIN EFFECTIVE TRAP VOLUME.
  - LIMIT EXTENT OF WORK AREA SO THAT ALL DISTURBED AREAS CAN BE STABILIZED WITH CONTROL MEASURES WITHIN 24-HOUR PERIOD.
  - INSTANTANEOUS MEASURES PRIOR TO ANY EARTH DISTURBANCE, EMPLOY TEMPORARY MEASURES AS NECESSARY TO STABILIZE DISTURBED AREAS, EVEN WHERE SUBSEQUENT CONSTRUCTION OPERATIONS MAY REQUIRE RE-DISTURBANCE.
  - WHEN INTENSE RAINFALL IS EXPECTED, CONSIDER, DESEVE, AND EMPLOY REINFORCING CONTROL MEASURES AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A. IF NECESSARY, EMPLOY TEMPORARY CONTROL MEASURES ON MATERIAL STOCKPILES TO COUNTERACT POTENTIAL SEDIMENT TRANSPORT DURING INTENSE RAINFALL.
  - PROPERLY DISPOSE OF DEBRIS, SOLID WASTE, TRASH, AND CONSTRUCTION WASTE / BYPRODUCTS OFF-SITE.
  - SWEEP OFF-SITE STREETS AS NECESSARY TO PREVENT SILT AND DEBRIS ORIGINATING ON SITE FROM ENTERING CLOSED DRAINAGE SYSTEMS AND / OR ENVIRONMENTALLY SENSITIVE AREAS.

#### PART 3 - SITE PREPARATION AND ACCESS

- IDENTIFY LOCATIONS OF LIMIT OF WORK AND ENVIRONMENTALLY SENSITIVE AREAS. ESTABLISH CONSTRUCTION STAGING AREA LOCATED OUTSIDE ENVIRONMENTALLY SENSITIVE AREAS. LIMIT VEHICULAR TRAFFIC TO AND FROM SITE TO MINIMIZE TRANSPORT OF SEDIMENT.

#### PART 3 - CLEARING, GRUBBING, AND STRIPPING

- SCHEDULE GRUBBING AND STRIPPING TO OCCUR IMMEDIATELY PRIOR TO EARTH DISTURBANCE, DEPENDING ON SITE AREA, CONSIDER MULTIPLE GRUBBING PHASES, SEQUENCED TO TAKE ADVANTAGE OF THE EROSION PREVENTION POTENTIAL OF EXISTING VEGETATIVE COVER.
- UNDISTURBED AREA OF EXISTING VEGETATION REMOVE, WHEREVER POSSIBLE.
- LOCATE AND SIZE STOCKPILES TO MINIMIZE EROSION POTENTIAL, TAKING ADVANTAGE OF TERRAIN SLOPE AND ASPECT, WHERE APPROPRIATE.
- PROTECT VEGETATION, INCLUDING ROOT SYSTEMS, BEYOND LIMIT OF CLEARING.
- PROCESS STUMP JUMPS, LOGS, BRANCHES, AND BRUSH SO AS TO PROTECT ENVIRONMENTALLY SENSITIVE AREAS AND INSTALLED CONTROL MEASURES. PROPERLY DISPOSE OF EXCESS OFF-SITE. BURIAL OF STUMPS ON SITE IS PROHIBITED.

#### PART 3 - EXCAVATION FOR BUILDING FOUNDATIONS AND UTILITIES

- DESEVE AND INSTALL CONTROL MEASURES ADEQUATE TO HANDLE DISCHARGES AND TRAP SEDIMENT FROM FOOTING SUMP AND WELL POINT PUMPS PRIOR TO EXCAVATION.
- ARMOR SUMP PUMP DISCHARGE LOCATIONS TO PREVENT EROSION AT POINT OF DISCHARGE AND AREAS DOWNSTREAM.
- IF FOUNDATION EXCAVATIONS GRADE TO DAYLIGHT ON THE LOW SIDE, DESEVE AND INSTALL CONTROL MEASURES TO HANDLE SURFACE AND GROUNDWATER FLOW FROM EXCAVATION LOW POINT.
- STOCKPILE EXCAVATED MATERIALS TO BAFFLE OVERLAND RUNOFF, AVOIDING THE CREATION OF LENGTHY PATHS OF CONCENTRATED RUNOFF.
- BACKFILL UTILITY TRENCHES AS SOON AS PRACTICABLE TO PREVENT FLOODING, SLOUGHING, POTENTIAL OVERFLOW, AND REPETITIVE EARTH DISTURBANCE.

#### PART 3 - SITE GRADING

- WHERE APPLICABLE, FOLLOW EXCAVATION AND FILL PRACTICES SHOWN ON DRAWINGS TO LOCALIZE AND MINIMIZE EROSION.

#### PART 3 - LANDSCAPING

- COMPLETE LANDSCAPING AS SOON AS POSSIBLE AFTER COMPLETION OF FINAL SUBGRADE.
- IMMEDIATELY AFTER PLACEMENT OF TOPSOIL, STABILIZE WITH CONTROL MEASURES INCLUDING, BUT NOT NECESSARILY LIMITED TO, SEED MIX, MULCH, AND / OR BLANKET.
- ALL DISTURBED AREAS UNLESS OTHERWISE NOTED SHALL BE STABILIZED WITH 4" OF LOAM AND SEEDED.

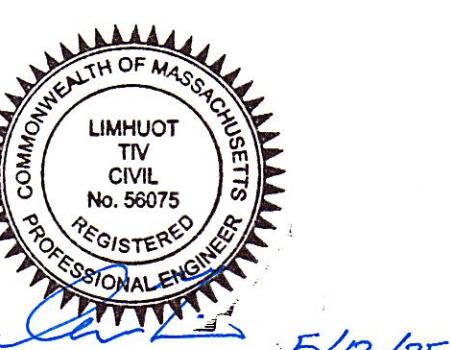
- NOTES:
  - INSPPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
  - TRAPPED SEDIMENT SHALL BE REMOVED TO A NON-SENSITIVE UPLAND AREA.

**STRAW WATTLE / SILT FENCE BARRIER**  
TYPICAL CROSS SECTION  
NOT TO SCALE

PREPARED BY:  
**GPR**  
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OWNER/APPLICANT:  
MARC NATHANSON  
76 HARTWELL AVENUE  
LITTLETON, MA 01460

SEAL:



5/12/25

LIMHOUT TIV, P.E.

DRAWING ISSUED FOR:  
 CONCEPT  CONSTRUCTION  
 PERMIT  CONSTRUCTION RECORD

THIS DRAWING IS NOT INTENDED FOR CONSTRUCTION UNTIL ISSUED FOR CONSTRUCTION BY GOLDSMITH, PREST & RINGWALL, INC.

1. 5/12/2025 FOR PERMITTING

No. DATE DESCRIPTION  
DESIGNED BY: JAAB CHECKED BY: LT  
SCALE: 1" = 20'  
20 0 10 20 40

PROJECT: RESIDENTIAL DEVELOPMENT NOTICE OF INTENT  
76 HARTWELL AVENUE LITTLETON, MA

SITE PLAN

DATE: MAY 2025 SHEET  
JOB NO. 251011  
SHEET: 1 OF 1

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