

EARTH FILLING PLAN

12 OAK KNOLL ROAD
WORCESTER, MA 01609

SHEET INDEX

No.	Title	Issue Date
C001	Cover Sheet	February 7, 2024
C101	Earth Fill Plan	February 7, 2024

REVISIONS/ISSUES

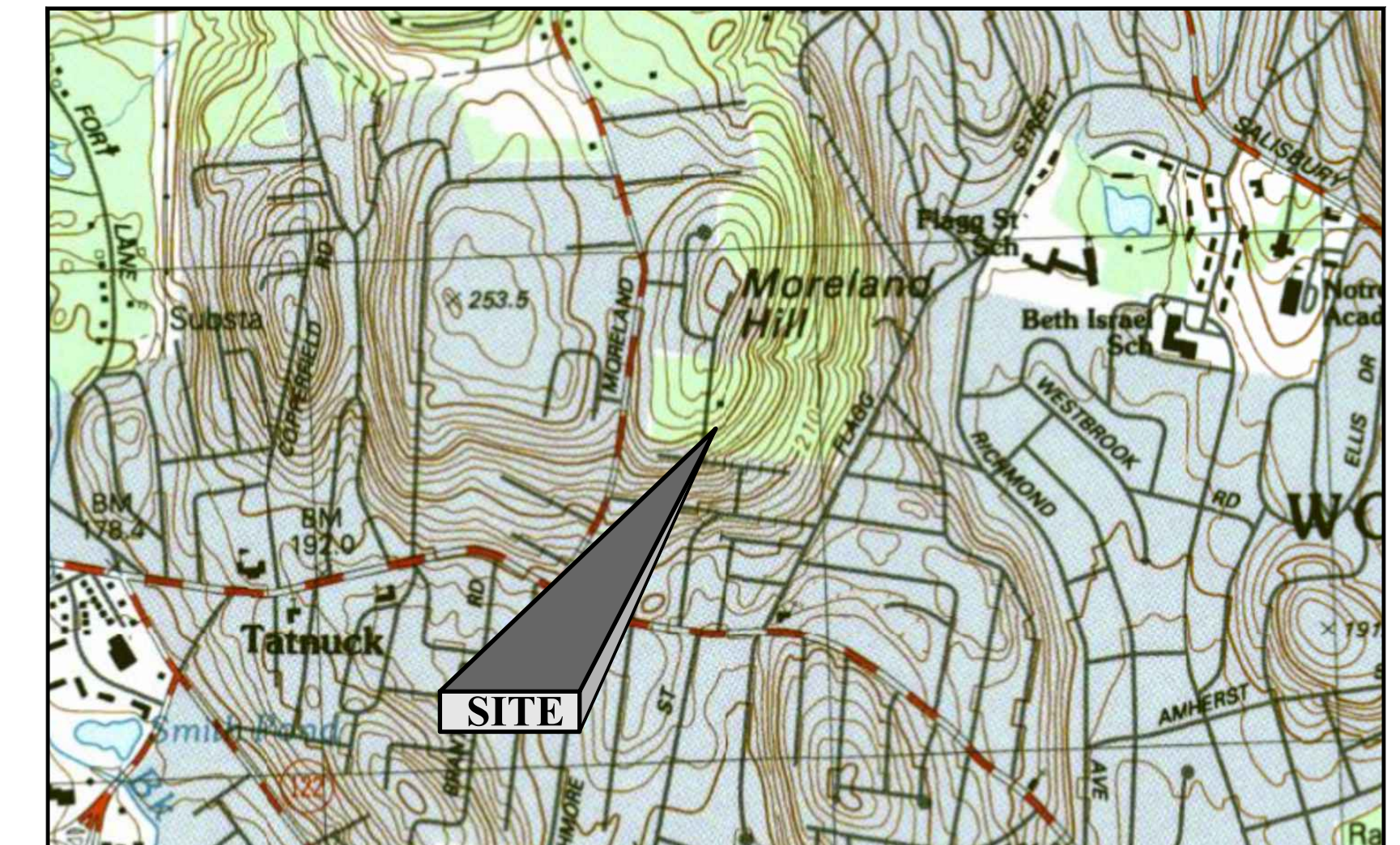
No.	Note	Date
1	Issued for Permitting	February 7, 2024



LOCUS PLAN - AERIAL

SOURCE: GOOGLE EARTH

SCALE: 1"=1,000'



LOCUS PLAN - GIS

SOURCE: MASS GIS

SCALE: 1"=1,000'



OWNER

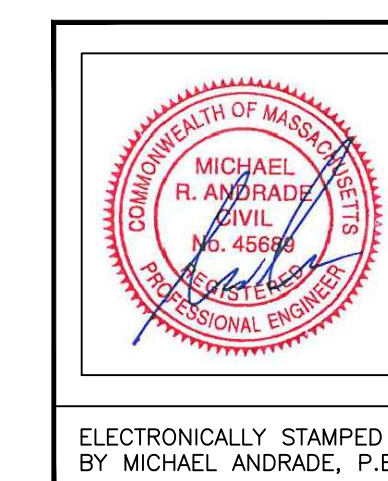
Marguerite Mullaney
12 Oak Knoll Road
Worcester, MA 01609

APPLICANT

Frank Deboise & Marguerite Mullaney
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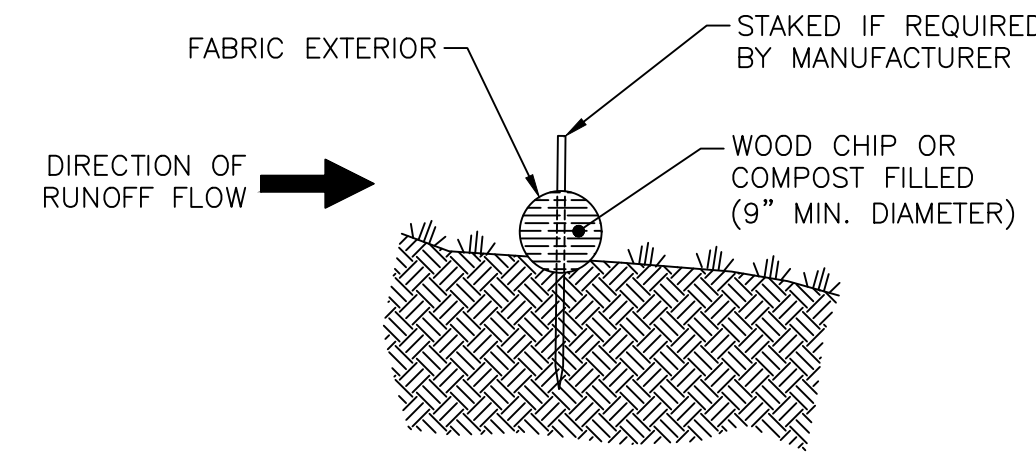
ELECTRONICALLY STAMPED
BY MICHAEL ANDRADE, P.E.

GENERAL NOTES

PARCEL DATA:
 STREET ADDRESS: 12 OAK KNOLL ROAD, WORCESTER, MA 01609
 AREA: ±36,081 SQ. FT. (0.8283 AC.)
 OWNER: MULLANEY, MARGUERITE P ZONE: RS-10
 12 OAK KNOLL ROAD
 WORCESTER, MA 01609

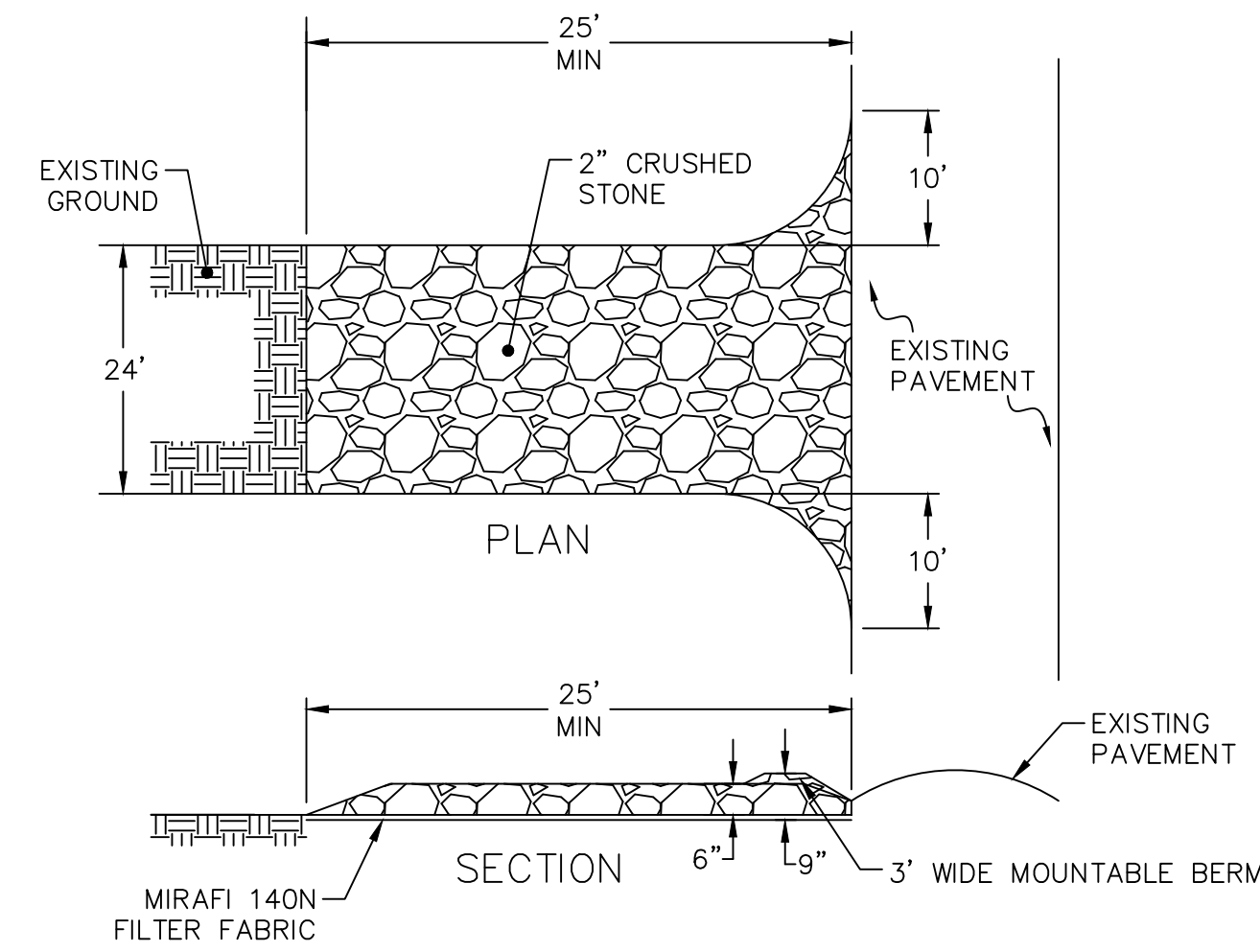
- NOTES:**
- 1) THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ANY FINDINGS SUCH A REPORT MIGHT DISCLOSE.
 - 2) LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON THE FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER GATES, ETC. IN ACCORDANCE WITH CHAPTER 82 SECTION 40 INCLUDING AMENDMENTS, ALL CONTRACTORS SHOULD NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK AND CALL DIG-SAFE AT 811. THE CITY OF WORCESTER DPW SHALL ALSO BE CONTACTED FOR UTILITY MARKOUTS.
 - 3) TOPOGRAPHIC FEATURES ON THIS PLAN ARE BASED ON AN INSTRUMENT SURVEY PERFORMED BY GRAVES ENGINEERING, INC. ON DECEMBER, 27 2023. SURVEY NOTES ARE RECORDED IN SURVEY BOOK S-50, PAGE 28. PROPERTY LINE DATA WAS COMPILED FROM GIS AND SHALL BE CONSIDERED APPROXIMATE.
 - 4) THE VERTICAL DATUM FOR THIS PROJECT IS NAVD 88; SEE PLANS FOR PROJECT BENCHMARK. HORIZONTAL DATUM IS MASSACHUSETTS STATE PLANE COORDINATE SYSTEM. DATUMS ARE AS ESTABLISHED BY GPS METHODS.
 - 5) FEATURES NOT LOCATED IN THE FIELD WERE COMPILED VIA GIS (BACK OF BUILDINGS, CATCH BASINS, ETC.)
 - 6) THE SITE PROPERTY IS NOT LOCATED WITHIN ANY DESIGNATED SPECIAL FLOOD ZONES AS SHOWN ON FIRM MAP 25027C0614E, DATED JULY 4, 2011.

REFERENCES:
 DEED BOOK/PAGE: 14920/0211 (WORCESTER REGISTRY OF DEEDS)
 ASSESSORS REFERENCE: 25/001/00008

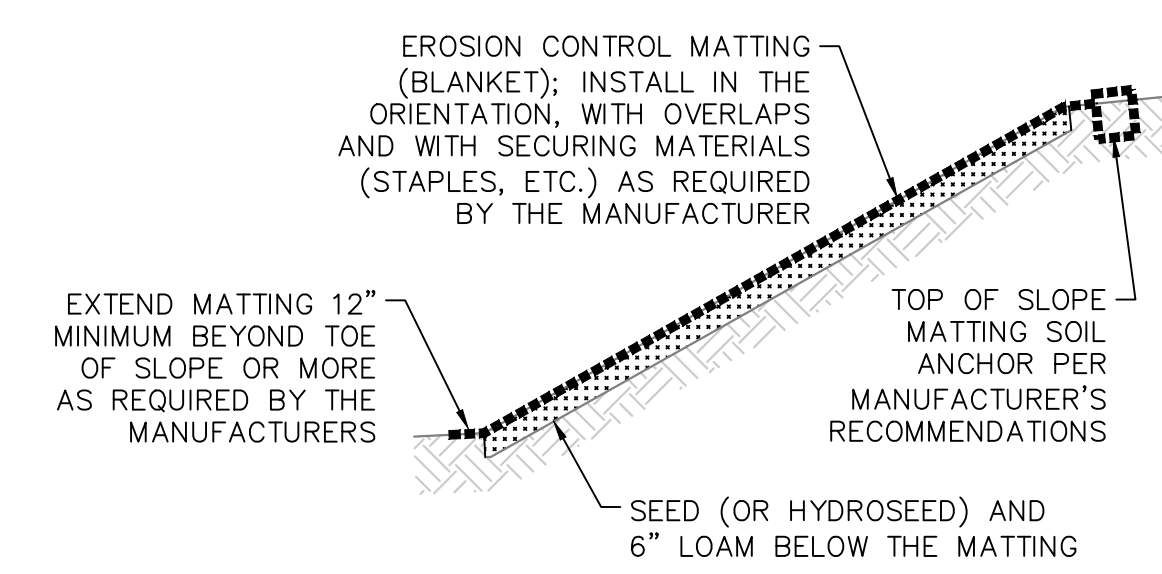


COMPOST FILTER SOCK NTS

- NOTE:**
- 1) PROVIDE A 3' TO 6' LEVEL AREA BETWEEN THE SILT SOCK AND THE TOE OF ANY SLOPE TO PROVIDE AREA FOR SEDIMENT ACCUMULATION.



STABILIZED CONSTRUCTION ENTRANCE NTS



EROSION CONTROL BLANKET SLOPE STABILIZATION NTS

- NOTES:**
- 1) EROSION CONTROL MATTING (BLANKETS) SHALL BE INSTALLED ON ALL FINISHED SLOPES SHOWN EQUAL TO OR EXCEEDING A 3:1 SLOPE (33.5%).
 - 2) INSTALLATION SHALL STRICTLY FOLLOW THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
 - 3) UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS FOR A PARTICULAR LOCATION AND APPLICATION, ACCEPTABLE EROSION CONTROL BLANKETS FOR GENERAL SLOPE STABILIZATION ARE: SC150 BY NORTH AMERICAN GREEN, CURLEX II BY AMERICAN EXCELSIOR COMPANY, OR LANDLOK C2 BY PROPEX (OR ENGINEER APPROVED EQUAL).

LEGEND

- CFS— COMPOST FILTER SOCKS
- SF— SILT FENCE
- LOW— LIMIT OF WORK
- ⊙ CATCH BASIN (CB)
- TREE LINE
- TREE, SIZE, DECIDUOUS (DEC.), CONIFEROUS (CON.)
- XXX.XX SPOT ELEVATION
- 100SPZ— 100 FOOT STORMWATER PROTECTION ZONE (LOCAL ORDINANCE)

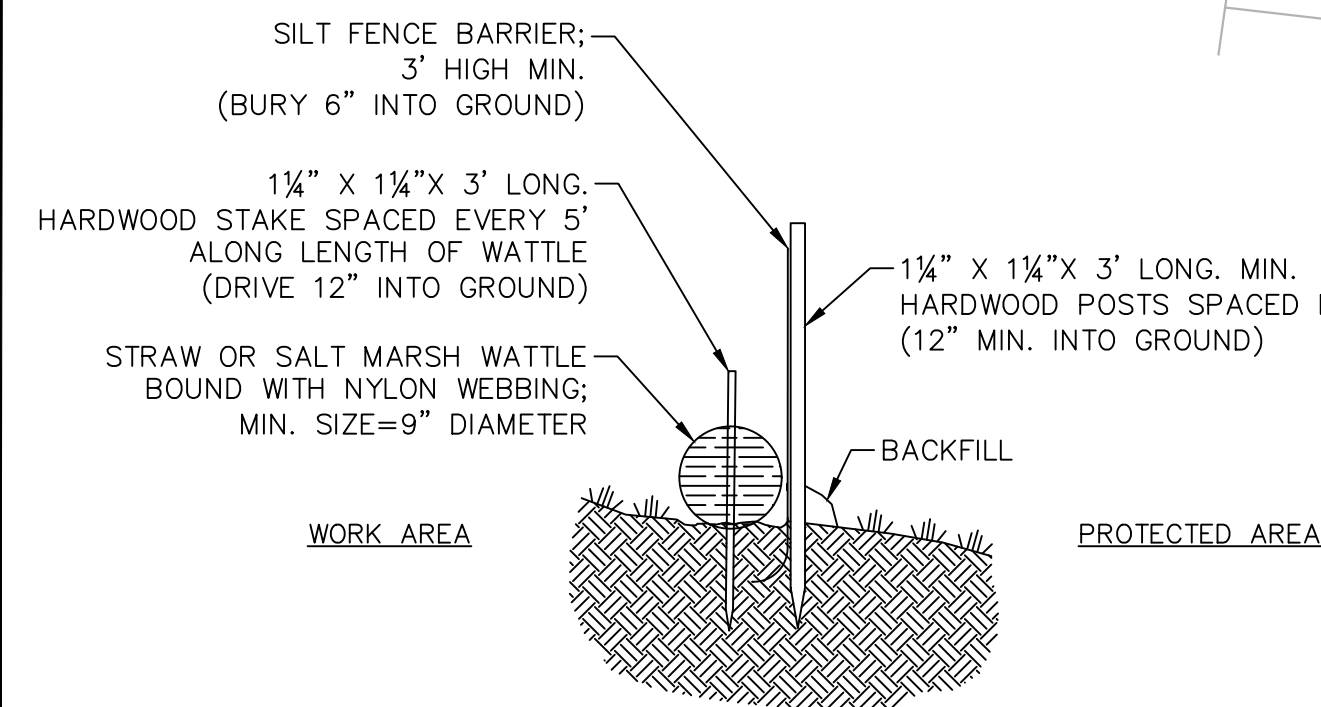
EARTH FILL CALCULATIONS

	VOLUME (CUBIC YARDS)
2015 LIDAR VS SURVEY 12/27/23 DATA*	±1,300
SURVEY 12/27/23 DATA VS PROPOSED GRADING	±112
FILL NEEDED TO COMPLETE PER THIS PLAN	±112
TOTAL FILL	±1,412

* 2015 LIDAR TOPOGRAPHY WAS USED TO GENERATE THE PRE-EXISTING SITE TOPOGRAPHY PRIOR TO EARTH FILLING OPERATIONS.

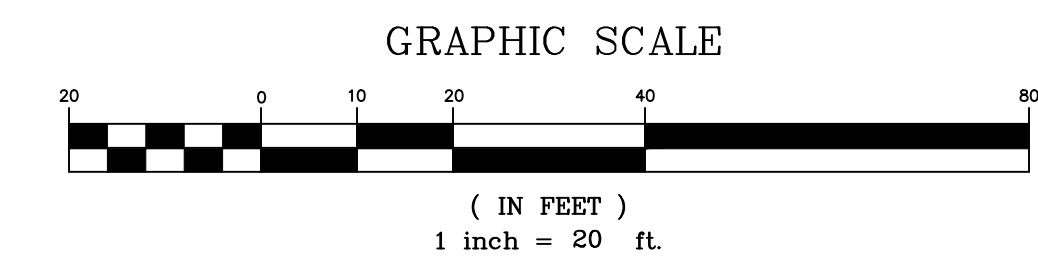
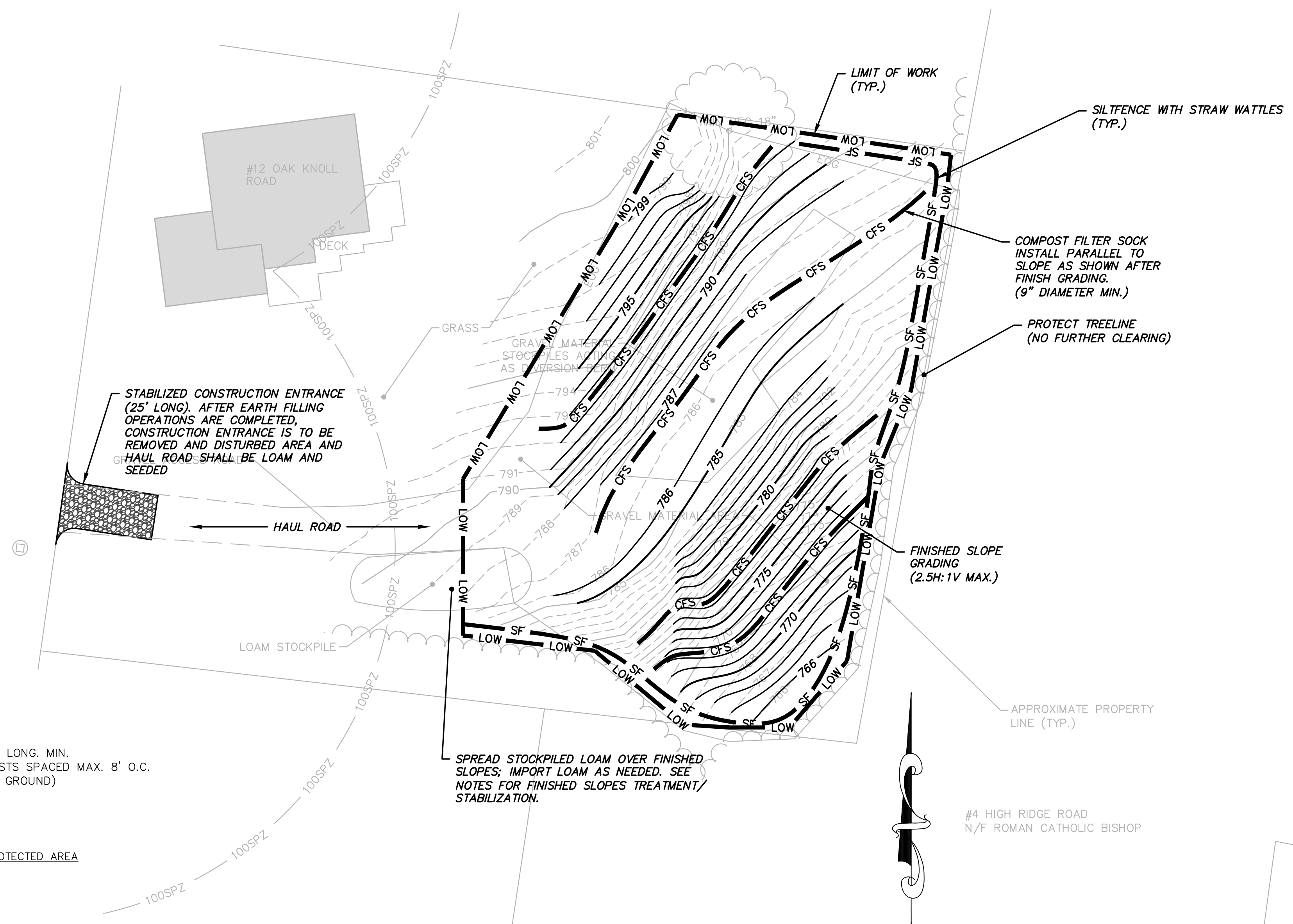
SHEET NOTES

- 1) PROVIDE POSITIVE DRAINAGE IN ALL FINISH GRADED WORK AREAS.
- 2) FINISHED SLOPES EQUAL TO OR STEEPER THAN A 3H TO 1V SLOPE SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS (NORTH AMERICAN GREEN SC150, CURLEX, OR EQUAL); SEE DETAIL THIS SHEET.
- 3) ALL OTHER DISTURBED AREAS NOT OTHERWISE SPECIFIED SHALL BE TREATED WITH AT LEAST 4 INCHES OF LOAM AND HYDROSEEDING.
- 4) MATERIAL STAGING AND STOCKPILE LOCATIONS (STRIPPED LOAM, FILL MATERIALS, ETC.) SHALL BE RINGED WITH SILTFENCE.
- 5) THE CONTRACTOR SHALL EMPLOY ANY AND ALL EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT A RELEASE OF SEDIMENT FROM THE SITE.
- 6) SEDIMENT AND EROSION CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF ANY ADDITIONAL SITE WORK.
- 7) ALL IMPORTED FILL MATERIAL MUST BE CLEAN AND UNCONTAMINATED SOIL MATERIAL ONLY.
- 8) EXISTING FILL IS FROM 54 MILLBROOK STREET, WORCESTER MA 01606.
- 9) THE EARTH FILLING SHOWN ON THIS PLAN SHALL BE COMPLETED BY SPRING/SUMMER 2024.



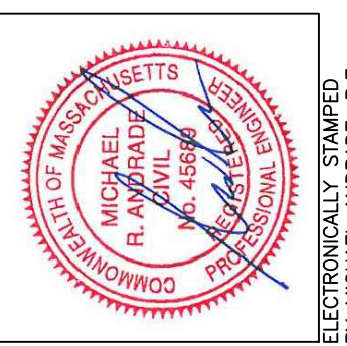
WATTLE & SILTFENCE NTS

- NOTE:**
- 1) PROVIDE A 3' TO 6' LEVEL AREA BETWEEN THE WATTLE AND THE TOE OF ANY SLOPE TO PROVIDE AREA FOR SEDIMENT ACCUMULATION.



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NO.	DATE	BY	DESCRIPTION
1	02/07/24	DFS	ISSUED FOR PERMITTING



EARTH FILL PLAN
12 OAK KNOLL ROAD
WORCESTER MA 01609

PREPARED FOR: FRANK DEBOISE & MARGUERITE MULLANEY
 12 OAK KNOLL ROAD, WORCESTER MA 01609

DATE: 02/07/24 SCALE: 1"=20'

DES. BY: DFS DRW. BY: DFS CHK. BY: MRA PRJ. NO.: 23140