

TEST PIT RESULTS

OBSERVED BY: BRITTANY OTTO
 DATE: 8/22/23
 FILE: 14000010

PIT NO. 101

0" - 11" TOPSOIL/ORGANICS
 11 - 29" RED/BROWN SANDY LOAM
 29 - 35" TAN/GRAY MOTTLED, COMP. FINE SANDY LOAM
 35 - 81" GRAY, MOTTLED COMPACT VERY FINE SAND LOAM, MOIST

MOTTLING: 29"
 GROUND WATER: 81", SEEPS 52"
 LEDGE: N/A
 ROOTS: 28"
 RESTRICTIVE: 29"

PERC TEST RESULTS

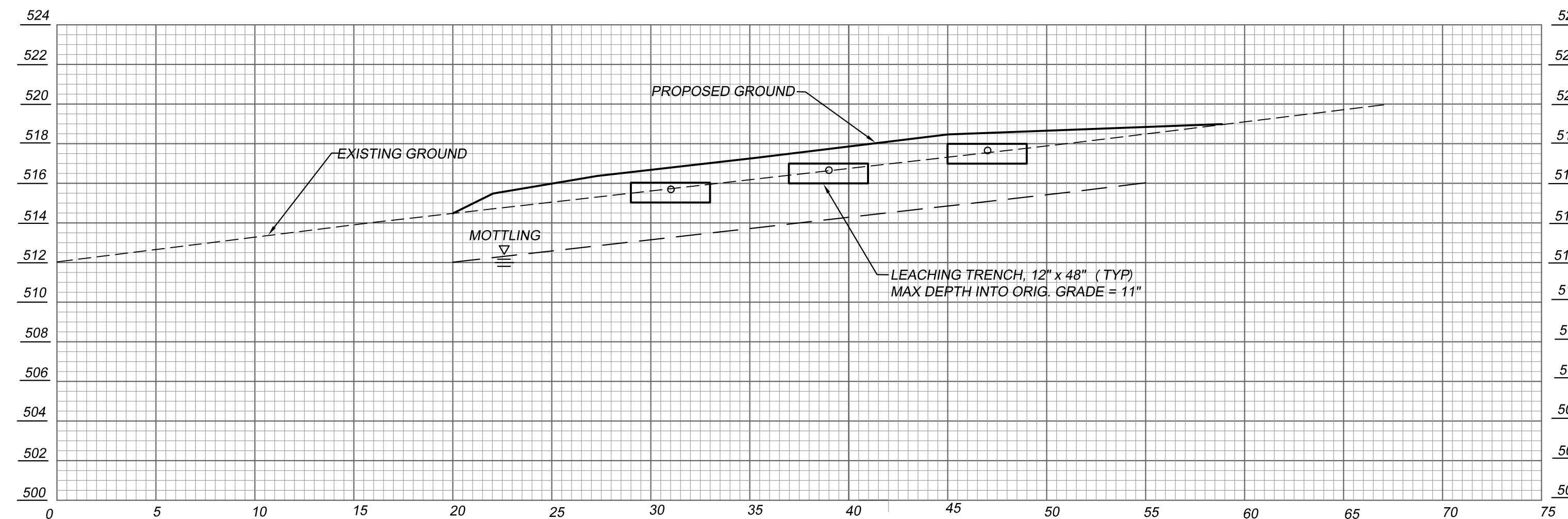
HOLE A	
TIME	READING
10:42	10.5"
10:52	13.0"
11:02	14.0"
11:14	15.125"
11:24	16.0"

2.5" WATER REMAINING IN HOLE
 DEPTH: 29"
 RATE: 11.4 MIN/IN

PIT NO. 102

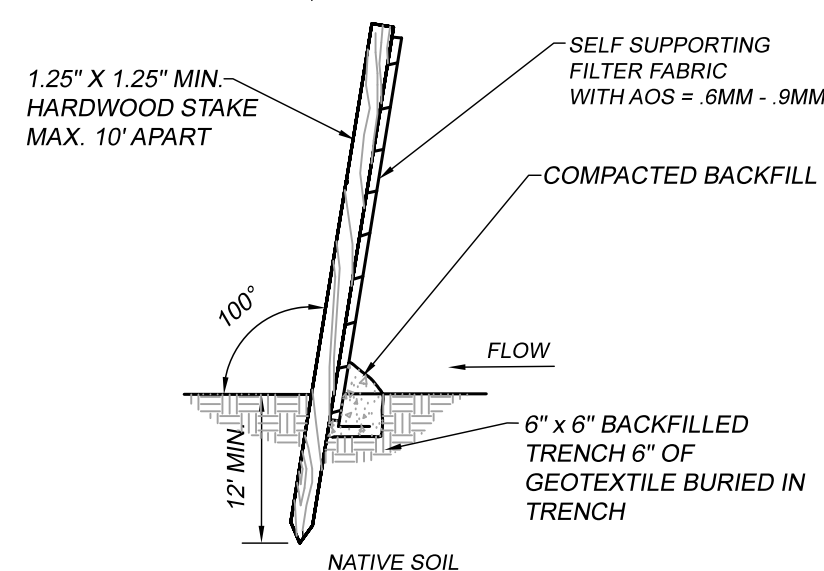
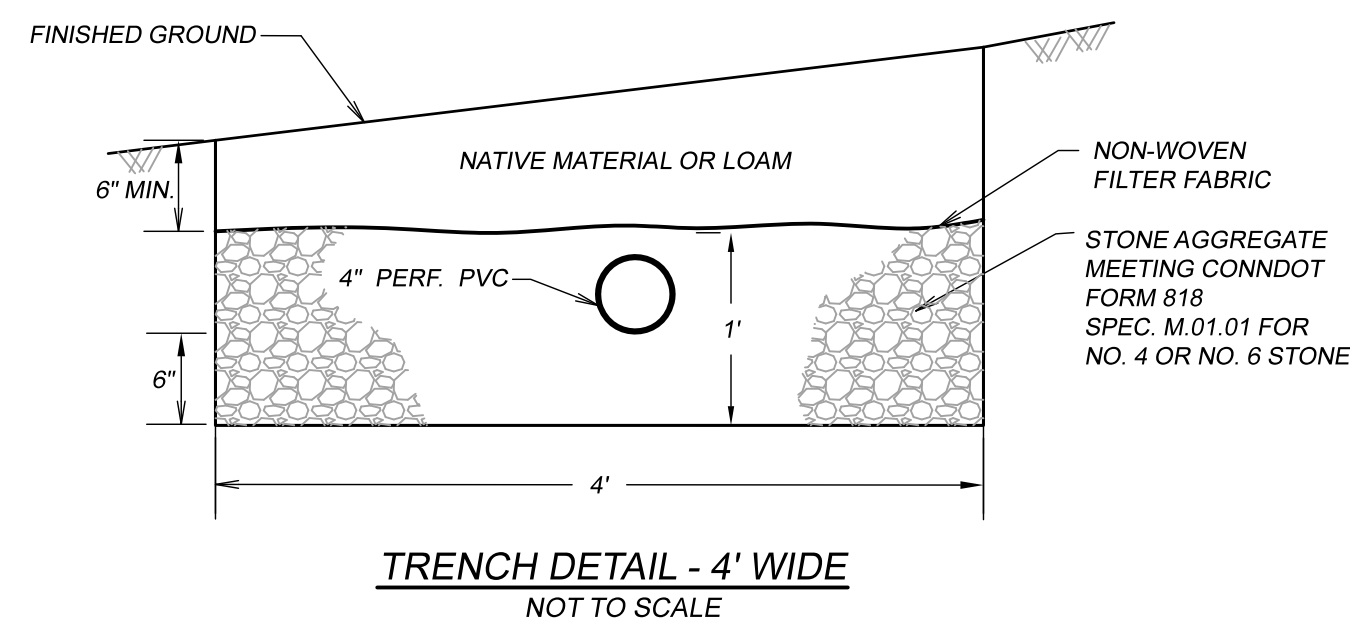
0" - 8" PUSHED MATERIAL
 8 - 13" ORIG TOPSOIL
 13 - 30" RED BROWN SANDY LOAM
 30 - 44" TAN/GRAY COMP MOTTLED FINE SANDY LOAM
 44 - 80" GREY MOTTLED COMP VERY FINE SANDY LOAM

MOTTLING: 30"
 GROUND WATER: 80"
 LEDGE: N/A
 ROOTS: 28"
 RESTRICTIVE: 30"



LEACHING FIELD CROSS SECTION A-A

1" = 5'



SURVEY NOTES

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON AUGUST 29, 2019.

SURVEY TYPE: GENERAL LOCATION
 PURPOSE: SITE DEVELOPMENT PLAN

HORIZONTAL ACCURACY: B
 TOPOGRAPHIC ACCURACY: T-2
 HORIZONTAL DATUM: NAD 83
 VERTICAL DATUM: NAVD 88

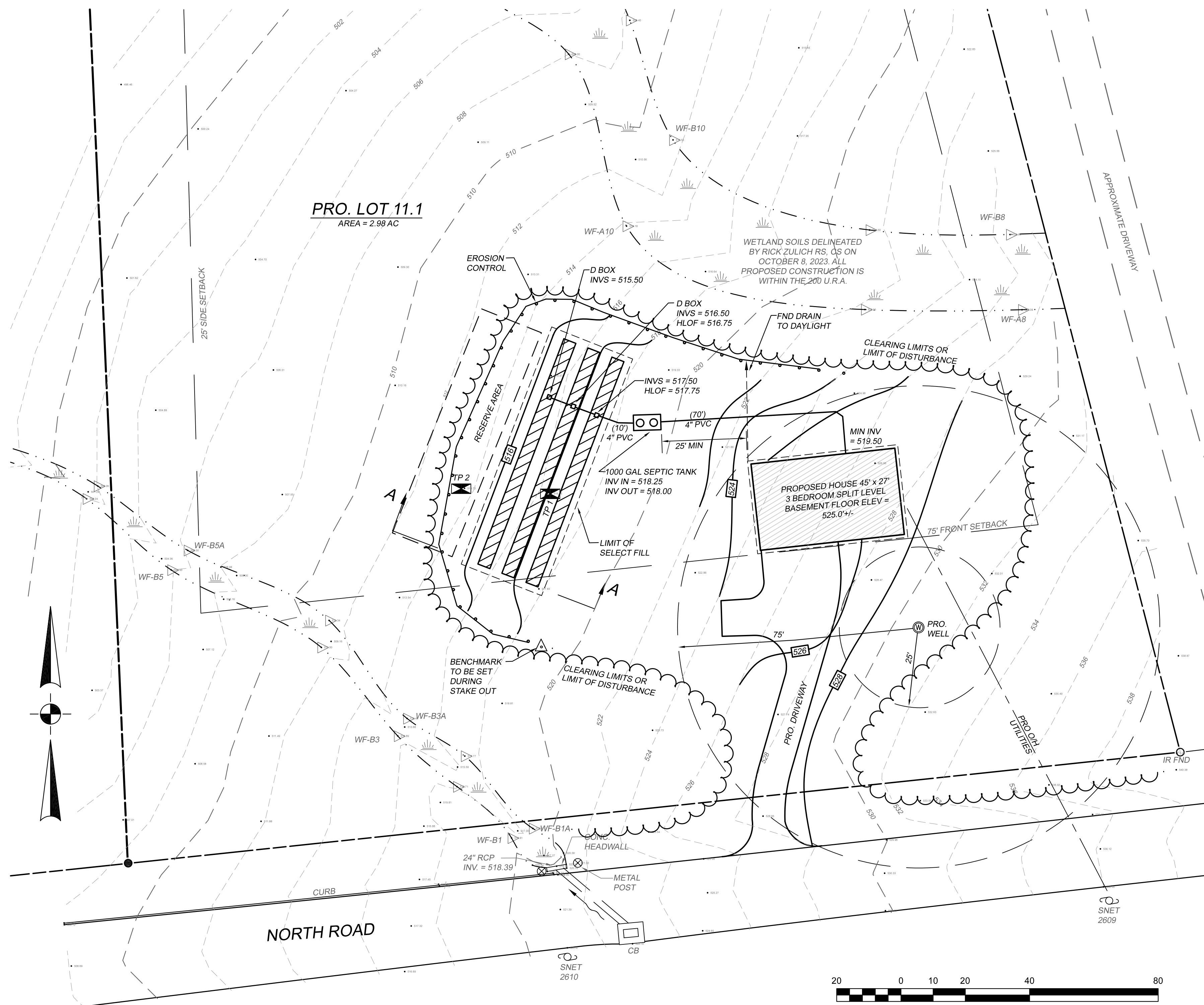
PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.
 THIS MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES. IT IS NOT TO BE CONSTRUED AS A PROPERTY/BOUNDARY OR LIMITED PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE.

2. REFERENCE PLANS:
 (A) CLASS A-2 SURVEY TITLED "PROPERTY SURVEY PREPARED FOR GARRY JAWORSKI 1602 NORTH ROAD - KILLINGLY, CT MAP 21 LOT 11" BY J & D CIVIL ENGINEERS, LLC, OCTOBER 13, 2023

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE 12/10/23 LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
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SEPTIC SYSTEM DESIGN CRITERIA

NUMBER OF BEDROOMS: 3
 SEPTIC TANK: 1000 GALLON
 PERC RATE: 11.4 MINS/INCH
 MOTTLING: 29-30"; LEDGE: N/A; WATER: 52"; RL: 29-30"; SLOPE: 12%
 LEACHING AREA REQUIRED: 675 SQUARE FEET
 LEACHING AREA PROVIDED: 225' OF TRENCHES, 48" WIDE, = 675 SQUARE FEET
 MLSS (PRIMARY) = 45' (HF=24, PF=1.25, FF=1.5)
 LSS PROVIDED = 75'

SPECIFICATIONS
 SEPTIC SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH THE "CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS".

THE BUILDING, SEPTIC SYSTEM, AND WELL SHALL BE ACCURATELY STAKED IN THE FIELD BY A LICENSED SURVEYOR OR ENGINEER PRIOR TO CONSTRUCTION.

ALL PRECAST STRUCTURES SUCH AS SEPTIC TANK AND DISTRIBUTION BOXES SHALL BE SET LEVEL ON SIX INCHES OF COMPACTED GRAVEL BASE.

SEPTIC TANK: TWO-COMPARTMENT TANK WITH OUTLET FILTER. INSTALL RISERS OVER TANK CLEANOUTS IF COVER OVER TANK EXCEEDS 1'.

DISTRIBUTION BOXES: 4 HOLE D-BOXES

HOUSE EFFLUENT AND "TIGHT PIPE" FOR DRAIN OUTLETS: 4" PVC SCHEDULE 40, ASTM D 1785 OR ASTM D 2865 WITH RUBBER COMPRESSION GASKET ASTM D 3139 OR SOLVENT WELD COUPLINGS.

DISTRIBUTION PIPE: 4" PVC PERFORATED, LAID LEVEL (MAX SLOPE 2" PER 100')

POLYLOK PIPE SEAL AS MANUFACTURED BY SUPERIOR SEPTIC TANKS (OR EQUAL) SHALL BE USED TO SEAL SEPTIC TANK AND D-BOX INLETS AND OUTLETS. BOTTOM OF TRENCHES TO BE LEVEL.

TOPSOIL SHALL BE STRIPPED IN AREA OF LEACH FIELD AND THE SUBSOIL SCARIFIED PRIOR TO PLACEMENT OF SELECT SEPTIC FILL.

ALL SELECT FILL SHALL BE CLEAN BANK RUN GRAVEL, MEETING THE FOLLOWING REQUIREMENTS OF THE CT DEPT. OF PUBLIC HEALTH:

MAX. PERCENT GRAVEL (PLUS NO. 4 SIEVE MATERIAL) - 45%
 GRADATION ON FILL LESS GRAVEL:

SIEVE	DRY PERCENT PASSING	WET PERCENT PASSING
NO. 4	100	100
NO. 10	70-100	70-100
NO. 40	10-75	10-50*
NO. 100	0-5	0-20
NO. 200	0-2.5	0-5

* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%.

- SELECT FILL MUST PERC AT A RATE EQUAL TO OR FASTER THAN THE UNDERLYING SOIL.
- SELECT FILL MATERIAL SHALL EXTEND A MINIMUM OF 2' BEYOND THE SIDES AND UPSLOPE AND 5' BEYOND THE LOWEST TRENCH BEFORE TAPERING OFF.
- THIS DESIGN IS BASED ON TEST PIT INFORMATION RECORDED BY NDDH. J & D HAS MADE NO INDEPENDENT INVESTIGATION OF SOIL CONDITIONS. THE CONTRACTOR IS ADVISED TO PERFORM SUFFICIENT SITE INVESTIGATION TO DETERMINE CONSTRUCTIBILITY OF THE DESIGN PRIOR TO BIDDING OR COMMENCING WORK.
- EROSION AND SEDIMENT CONTROL NOTES:**
- THE PROPOSED ACTIVITY ON THE SITE WILL CONSIST OF THE CONSTRUCTION OF A SINGLE FAMILY HOUSE, WELL, SEPTIC SYSTEM AND DRIVEWAY.
 - EROSION CONTROL DEVICES MUST BE INSTALLED WHERE INDICATED ON THIS SHEET PRIOR TO THE START OF CONSTRUCTION.
 - DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SEEDED OR STABILIZED WITH TEMPORARY MULCH AS SOON AS FINAL GRADES HAVE BEEN ATTAINED.
 - THE OWNER OF RECORD SHALL DESIGNATE THE ON SITE ENVIRONMENTAL AGENT RESPONSIBLE FOR REGULARLY CHECKING THE CONDITION OF THE EROSION CONTROL DEVICES AND REMOVING ACCUMULATED SEDIMENT.

LEGEND

	BUILDING SETBACK LINE
	PROPERTY LINE
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	STONE WALL
	UTILITIES
	EXISTING DRAINAGE PIPE
	EROSION CONTROL DEVICES
	TEST PIT
	LEACHING TRENCH

SITE DEVELOPMENT PLAN
 PREPARED FOR
STEPHEN JAWORSKI
 1602 NORTH ROAD - KILLINGLY, CT
 MAP 21 LOT 11.1

J&D CIVIL ENGINEERS, LLC
 401 RAVENELLE ROAD
 N. GROSVENORDALE, CT 06255
 860-923-2920

DESIGNED: DRB	REVISIONS:
CHECKED: JJB	2023-12-07 NDDH COMMENTS
	2023-12-21 MOVE HOUSE
JOB NO: 23191	DATE: NOVEMBER 22, 2023
SCALE: 1" = 20'	SHEET: 3 OF 3

