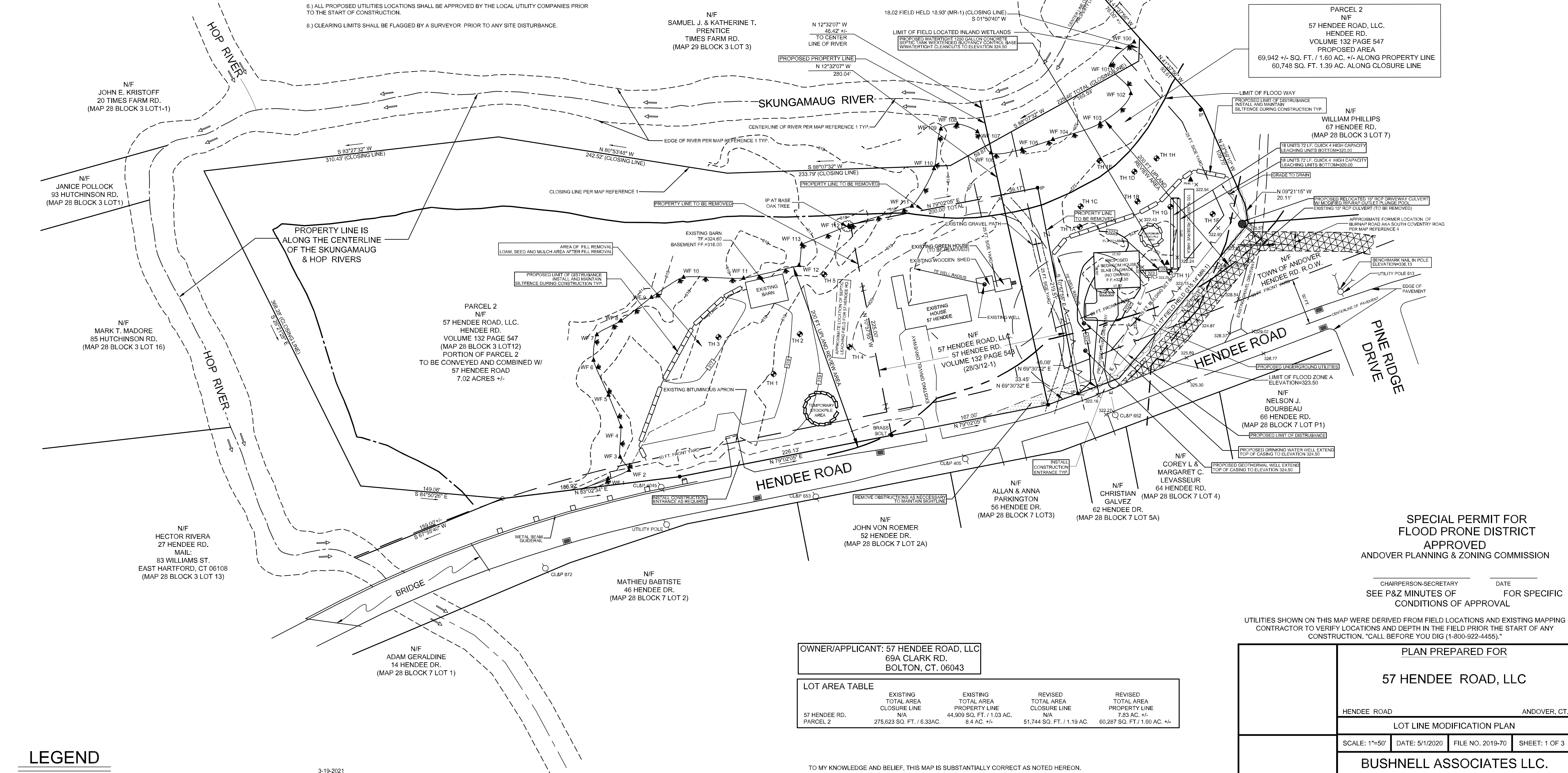


SURVEY NOTES:

1. 1.) THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THRU 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES "MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS", AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON AUGUST 29, 2019. IT IS A LIMITED PROPERTY ZONING LOCATION SURVEY MAP BASED ON A RESURVEY CONFORMING TO HORIZONTAL SURVEY ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS T-2. THE INTENT OF THIS MAP IS TO DEPICT THE LOCATION OF THE PROPOSED LOT LINE MODIFICATION SHOWN AND PROPOSED OR EXISTING IMPROVEMENTS SHOWN WITH RESPECT TO THE APPLICABLE MUNICIPAL OR STATUTORY REQUIREMENTS.
- 2.) THE PROPERTIES SHOWN ARE BOTH LOCATED IN AN ARRD (ANDOVER RURAL RESIDENTIAL DESIGN DISTRICT) AND A FLOOD PRONE ZONE.
- 3.) PORTIONS OF THE PROPERTIES SHOWN ARE LOCATED IN A FLOOD HAZARD ZONE A PER FIRM FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 090161 0003 A EFFECTIVE FEBRUARY 3, 1982.
- 4.) RIVER LOCATIONS SHOWN WERE TAKEN FROM MAP REFERENCE 1.
- 5.) THE PROPERTY IS SHOWN IN AN AREA OF STATE AND FEDERAL LISTED SPECIES ON THE CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION BUREAU OF NATURAL RESOURCES WILDLIFE DIVISION NATURAL DIVERSITY DATA BASE AREAS MAP FOR THE TOWN OF ANDOVER DATED DECEMBER 2019.
- 6.) THE TOPOGRAPHY SHOWN WAS TAKEN FROM MAP REFERENCE 2 IS BASED ON NGVD 1929 DATUM AND THE BENCHMARK SHOWN.
- 7.) PARCEL 2 IS TOGETHER WITH A VARIANCE TO ALLOW FOR THE DEPOSITION OF FILL AND CONSTRUCTION OF A SINGLE FAMILY DWELLING IN THE FLOOD PRONE DISTRICT GRANTED BY THE TOWN OF ANDOVER, CT. ZONING BOARD OF APPEALS ON FEBRUARY 17, 2021.

MAP REFERENCES:

- 1.) MAP SHOWING PROPERTY (TO BE CONVEYED TO) STEPHEN E. & LINDA A. WHITMAN (PARCEL #1) AND JOHN E. WHITHAM D.B.A. WHITHAM NURSERY (PARCEL #2) HENDEE ROAD ANDOVER, CONNECTICUT SCALE: 1"=40' MARCH 19, 1985 REV. APRIL 23, 1985 EDWARD J. SULLIVAN 105 TWO BROOK ROAD WETHERSFIELD, CONN. 06109
- 2.) PLAN PREPARED FOR STEPHEN WHITHAM HENDEE RD. ANDOVER, CT. GENERAL LOCATION SURVEY SCALE: 1"=20' DATE: 10/13/09 FILE NO. 290036 SHEET 1 OF 1 HOLMES AND HENRY ASSOCIATES LLC. CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS 2179 BOSTON TURNPIKE COVENTRY, CT. 06042-0340 REVISIONS 11/18/09
- 3.) PLAN PREPARED FOR BLANCHARD LAND INVESTMENTS LLC 67 HENDEE ROAD ANDOVER, CT. FREE CUT SUBDIVISION PLAN SCALE: 1"=40' DATE: 9/26/2017 FILE NO. 2017-48 SHEET 1 OF 1 BUSHNELL ASSOCIATES LLC. CIVIL ENGINEERING AND LAND SURVEYING 563 WOODBRIDGE STREET MANCHESTER, CT. 06042 860-643-7875
- 4.) MAP OF PART OF THE PROPERTY OF LILLIAN HERON ANDOVER, CONN. SCALE 1"=100' APPROX FILED ON THE TOWN OF ANDOVER LAND RECORDS MAP NO. 298.
- CONSTRUCTION NOTES:
- 1.) OWNER OR CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
- 2.) OWNER OR CONTRACTOR TO VERIFY ALL DIMENSIONS AND INFORMATION CONTAINED ON THIS PLAN PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- 3.) PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY ALL BOUNDARY MARKERS SHALL BE SET BY A LICENSED LAND SURVEYOR.
- 4.) PRESERVE ANY EXISTING STONE WALLS WHEREVER POSSIBLE.
- 5.) ANY TREES TO BE REMOVED IN THE TOWN RIGHT OF WAY SHALL BE POSTED BY THE TREE WARDEN PRIOR TO REMOVAL.
- 6.) ALL PROPOSED UTILITIES LOCATIONS SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.
- 8.) CLEARING LIMITS SHALL BE FLAGGED BY A SURVEYOR PRIOR TO ANY SITE DISTURBANCE.



SPECIAL PERMIT FOR
FLOOD PRONE DISTRICT
APPROVED
ANDOVER PLANNING & ZONING COMMISSION

CHAIRPERSON-SECRETARY DATE
SEE P&Z MINUTES OF FOR SPECIFIC
CONDITIONS OF APPROVAL

UTILITIES SHOWN ON THIS MAP WERE DERIVED FROM FIELD LOCATIONS AND EXISTING MAPPING
CONTRACTOR TO VERIFY LOCATIONS AND DEPTH IN THE FIELD PRIOR THE START OF ANY
CONSTRUCTION. "CALL BEFORE YOU DIG (1-800-922-4455)."

OWNER/APPLICANT: 57 HENDEE ROAD, LLC
69A CLARK RD.
BOLTON, CT. 06043

LOT AREA TABLE			
	EXISTING TOTAL AREA CLOSURE LINE	EXISTING TOTAL AREA PROPERTY LINE	REVISED TOTAL AREA CLOSURE LINE
57 HENDEE RD. PARCEL 2	N/A 275,623 SQ. FT. / 6.33AC.	44,909 SQ. FT. / 1.03 AC. 8.4 AC. +/-	N/A 51,744 SQ. FT. / 1.19 AC. 60,287 SQ. FT. / 1.60 AC. +/-

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

ANDREW F. BUSHNELL P.E. L.S. 24591
THIS MAP IS NOT VALID UNLESS IT BEARS THE EMBOSSED SEAL OF THE LICENSED
LAND SURVEYOR WHOSE REGISTRATION NUMBER AND SIGNATURE APPEAR ABOVE.

PLAN PREPARED FOR

57 HENDEE ROAD, LLC

HENDEE ROAD ANDOVER, CT.

LOT LINE MODIFICATION PLAN

SCALE: 1"=50' DATE: 5/1/2020 FILE NO. 2019-70 SHEET: 1 OF 3

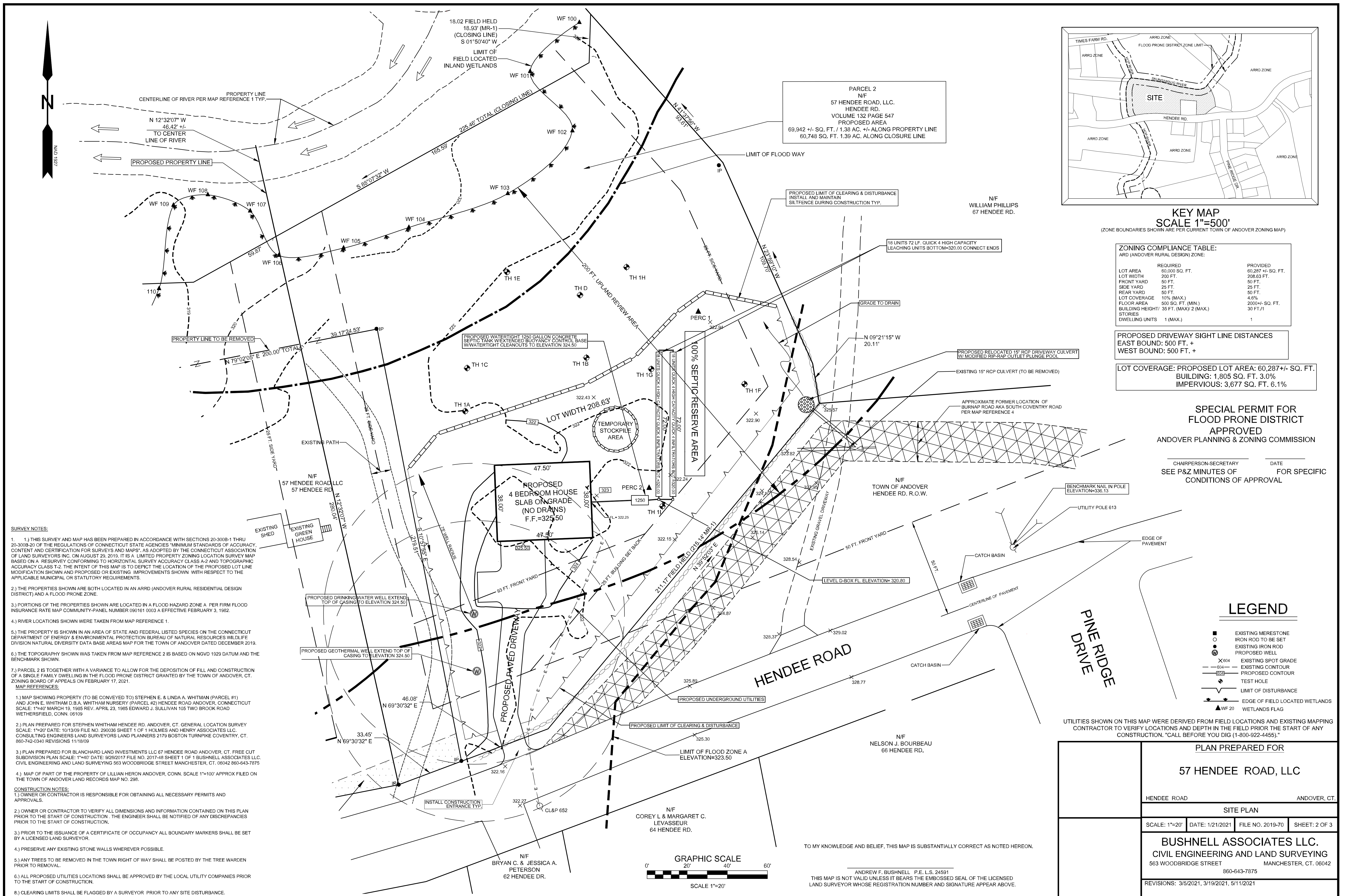
BUSHNELL ASSOCIATES LLC.

CIVIL ENGINEERING AND LAND SURVEYING

563 WOODBRIDGE STREET MANCHESTER, CT. 06042

860-643-7875

REVISIONS: 5/18/2020, 6/12/2020, 7/19/2020 HOUSE LOCATION,
LOT LINES 7/28/2020, 7/30/2020 SEPTIC, 8/3/2020, 8/12/2020, 12/30/2020,
12/30/2020, 1/21/2021, 3/5/2021, 3/19/2021, 5/11/2021



EROSION CONTROL CONSTRUCTION SEQUENCE PLAN HOUSE LOT DEVELOPMENT
NOTE: ALL EROSION AND SEDIMENT CONTROL ACTIVITIES SHALL CONFORM TO THE METHODS OUTLINED IN THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL MANUAL.

- COORDINATE MARKING OF LIMITS OF DISTURBANCE BY A LICENSED LAND SURVEYOR. SUPPLY TOWN EROSION CONTROL OFFICER WITH A LETTER FROM THE SURVEYOR CERTIFYING THE LIMITS OF DISTURBANCE WERE MARKED IN ACCORDANCE WITH THE APPROVED PLAN.
- CLEAR TREES AS REQUIRED.
- PRIOR TO SOIL DISTURBANCE INSTALL EROSION CONTROL MEASURES, SILT FENCE AND ANTI-TRACKING PAD (SEE PLAN DETAILS AND LOCATIONS). ADDITIONAL MEASURES MAY BE REQUIRED AS SITE CONDITIONS REQUIRE. COORDINATE AN INSPECTION OF INSTALLED MEASURES WITH THE EROSION CONTROL OFFICER. SUPPLY THE TOWN OF HEBRON EROSION CONTROL OFFICER WITH THE NAME AND PHONE NUMBER OF A CONTACT PERSON RESPONSIBLE FOR THE EROSION CONTROL MEASURES.
- PERIODICALLY AND AFTER LARGE RAIN EVENTS INSPECT EROSION CONTROL MEASURES AND REPAIR AS NECESSARY.
- GRUB AND STRIP TOPSOIL. STOCKPILE TOPSOIL IN AREAS INDICATED ON THE APPROVED PLAN.
- CONSTRUCT AND STABILIZE DRIVEWAY.
- CONSTRUCT HOUSE, WELL, DRIVEWAY, SEPTIC SYSTEM AND OTHER IMPROVEMENTS AS SHOWN.
- SPREAD STOCKPILED TOPSOIL. MACHINE RAKE, FERTILIZE, SEED AND MULCH DISTURBED AREAS. USE GRASS SEED THAT IS ACCEPTABLE FOR THE SITE CONDITIONS (I.E. SUN OR SHADE) AND THE SEASON OF THE YEAR IN WHICH THIS ACTIVITY IS COMPLETED. PROVIDE TEMPORARY STABILIZATION OF THE SITE (I.E. STRAW OR HAY ETC.) IF THE TOPSOIL IS SPREAD DURING A TIME OF YEAR WHEN GRASS SEED WILL NOT GERMINATE. PROVIDE PERMANENT STABILIZATION WHEN WEATHER CONDITIONS ALLOW.
- REMOVE EROSION CONTROL MEASURES AFTER THE SITE HAS BECOME FULLY ESTABLISHED.
- ANY EXISTING DISTURBED AREAS MUST BE SEEDDED WITH PERMANENT OR TEMPORARY GROUND COVER AND MULCHED BY OCTOBER 15.
- DEWATERING OPERATIONS, IF REQUIRED, SHALL UTILIZE A CRUSHED STONE INTAKE PUMP AND A TEMPORARY OUTLET SILT POOL LOCATED WITHIN THE LIMITS OF DISTURBANCE.

SITE SEEDING NOTES:
PREPARATION: FINE GRADE AND RAKE SOIL SURFACE TO REMOVE STONES LARGER THAN 2" IN DIAMETER. INSTALL SEEDER EROSION CONTROL DEVICES SUCH AS SURFACE WATER DIVERSIONS AS REQUIRED. APPLY GROUND LIME AND FERTILIZER ACCORDING TO SOIL TESTS CONDUCTED BY THE UNIVERSITY OF CONNECTICUT SOIL TESTING LABORATORY OR OTHER RELIABLE SOURCE (BASED ON THE PROXIMITY OF THE SITE TO WATERWAYS LIMIT THE USE OF PHOSPHORUS FERTILIZER). WORK LIME AND FERTILIZER INTO SOIL UNIFORMLY TO A DEPTH OF 3".

SEED APPLICATION: APPLY SEED MIXTURE FROM THE CHART BELOW BY HAND, CYCLONE SEEDER OR HYDRO SEEDER. INCREASE SEED MIXTURE BY 10% IF HYDRO SEEDER IS USED. LIGHTLY DRAG OR ROLL THE SEEDER SURFACE TO COVER SEED. SEEDING SHOULD BE DONE BETWEEN THE TIMES SHOWN ON THE CHART BELOW. IF SEEDING CANNOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE BELOW UNTIL SEEDING CAN TAKE PLACE.

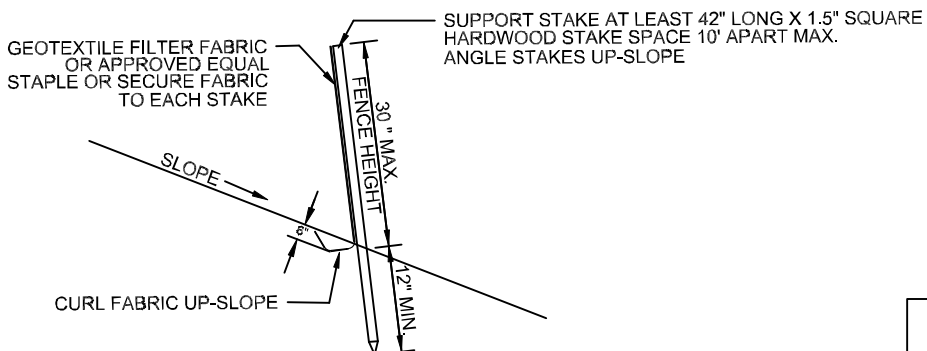
MULCHING: IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEED SURFACE WITH STRAW OR HAY AT A RATE OF 2 TO 3 TONS/AC. SPREAD MULCH BY HAND OR MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE WITH A TRACK MACHINE OR DISK HARROW SET STRAIGHT UP. IF USING HYDRO SEED MIX USE TACTIFIER ADDITIVES TO ADHERE MULCH MATERIAL TO THE SURFACE.

SEED SELECTION:	USE	LB/1000 SQ. FT.	SEED MIXTURE	RECOMMENDED SEEDING DATES
PERMANENT LAWN	0.45		KENTUCKY BLUEGRASS	4/1-6/15
	0.45		CREeping RED FESCUE	8/15-10/1
	0.10		PERENNIAL RYEGRASS	
SLOPES & COARSE LAWN	0.45		CREeping RED FESCUE	4/1-6/15
	0.05		RED TOP	8/15-10/1
	0.45		TALL FESCUE	
SLOPES (NO MOWING)	1.8		CREeping RED FESCUE	4/1-6/15
	0.2		RED TOP	8/15-10/1
TEMPORARY COVER	3.0		WINTER RYE	4/15-6/15, 8/15-10/15
			OR	
	1.0		ANNUAL RYEGRASS	3/1-6/15, 8/1-10/15

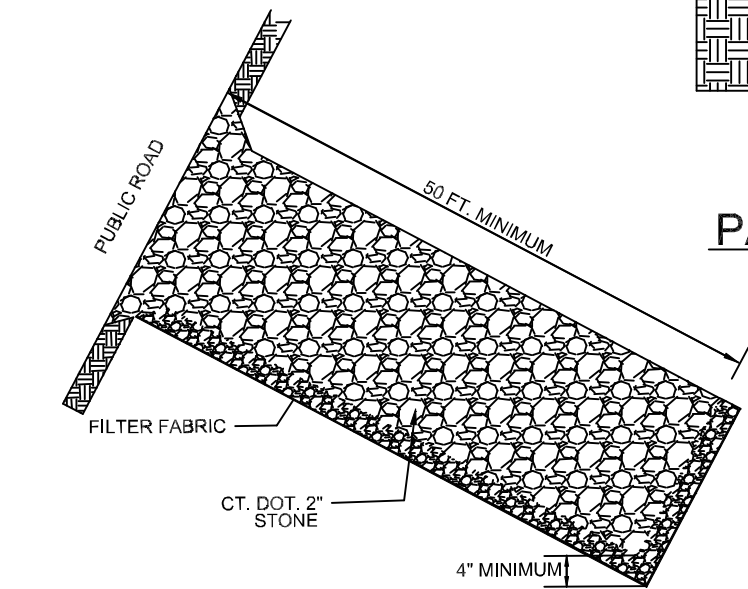
IF SEED IS PLANTED OUTSIDE THE RECOMMENDED SEEDING DATES IRRIGATION MAYBE REQUIRED AT A UNIFORM APPLICATION RATE OF 1 TO 2 INCHES OF WATER APPLIED PER APPLICATION, SOAKING THE GROUND TO A DEPTH OF 4 INCHES.

CONSTRUCTION NOTES:
1.) OWNER OR CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

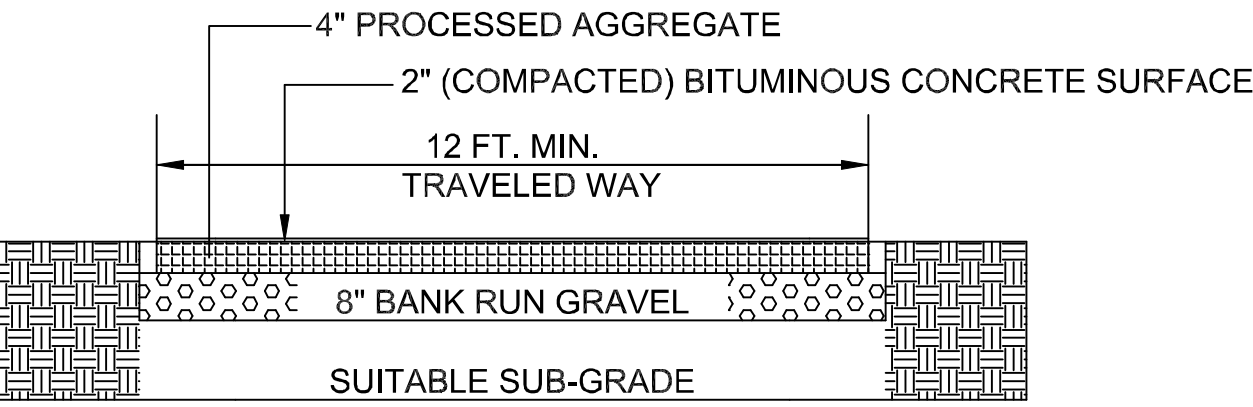
- OWNER OR CONTRACTOR TO VERIFY ALL DIMENSIONS AND INFORMATION CONTAINED ON THIS PLAN PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY ALL BOUNDARY MARKERS SHALL BE SET BY A LICENSED LAND SURVEYOR.
- PRESERVE ANY EXISTING STONE WALLS WHEREVER POSSIBLE.
- ANY TREES TO BE REMOVED IN THE TOWN RIGHT OF WAY SHALL BE POSTED BY THE TREE WARDEN PRIOR TO REMOVAL.
- ALL PROPOSED UTILITIES LOCATIONS SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.
- CLEARING LIMITS SHALL BE FLAGGED BY A SURVEYOR PRIOR TO ANY SITE DISTURBANCE.



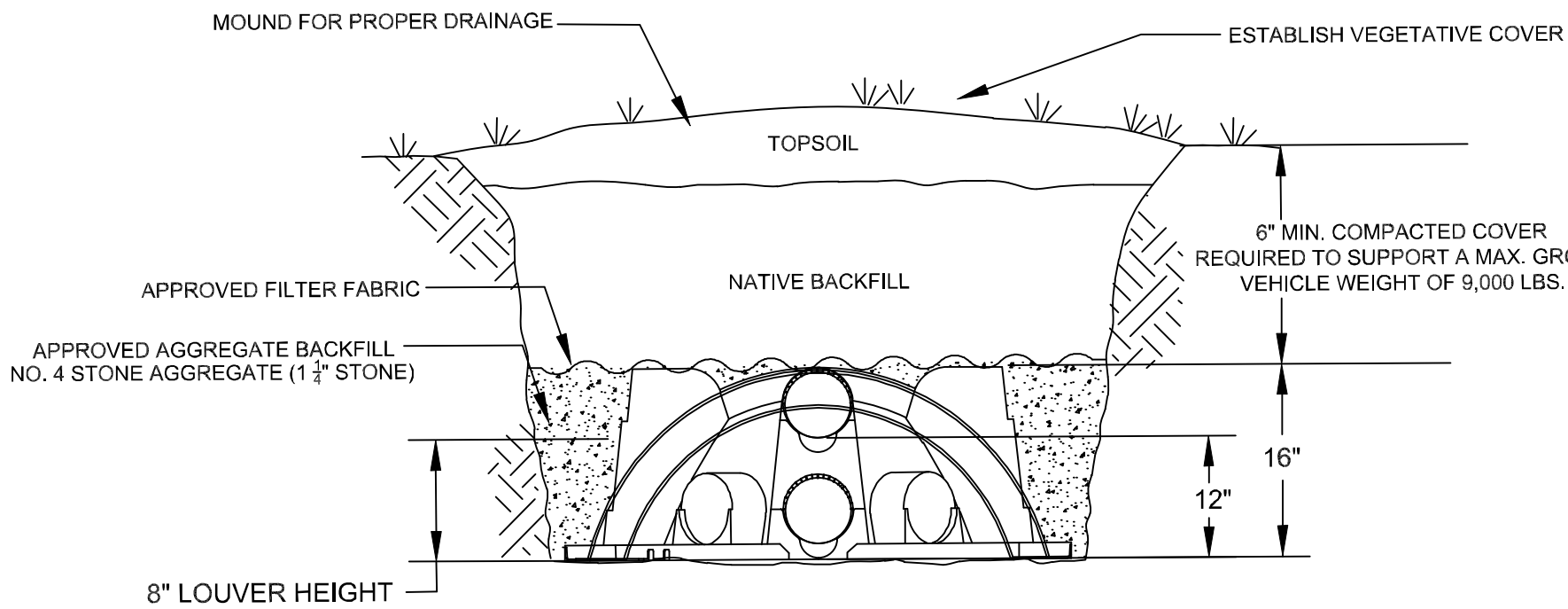
SILT FENCE DETAIL
NOT TO SCALE



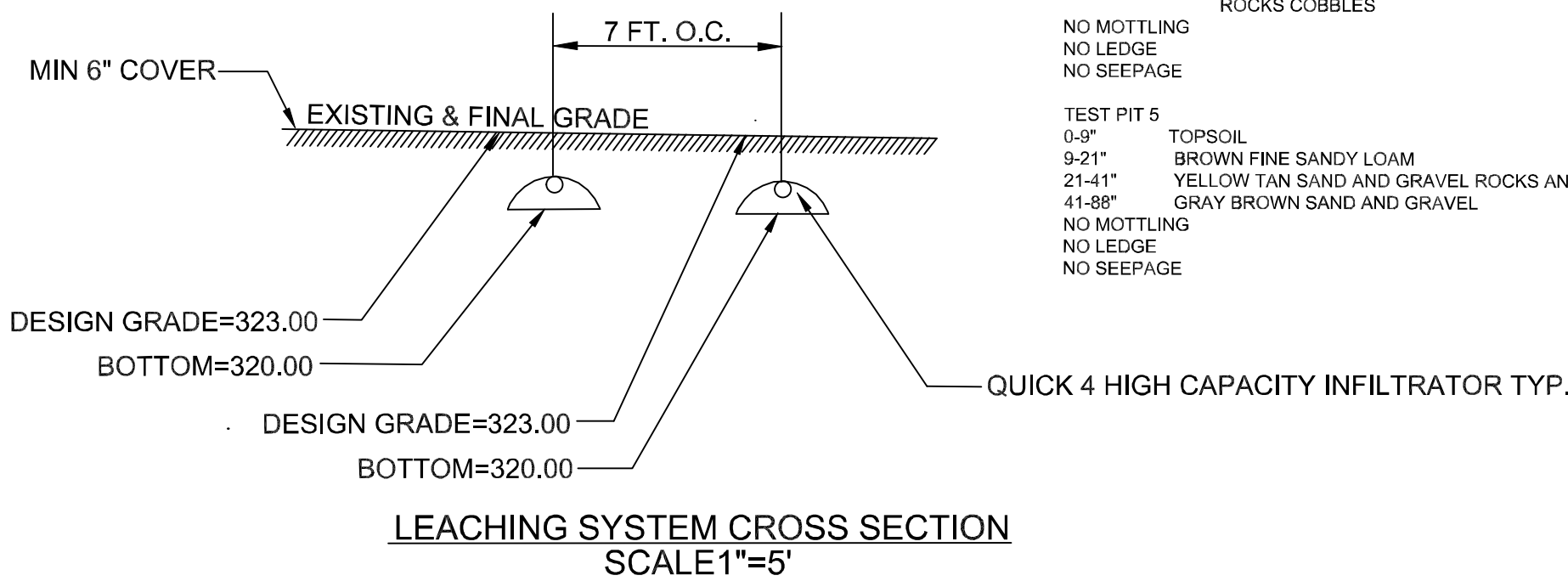
ANTI-TRACKING CONSTRUCTION ENTRANCE
NOT TO SCALE



PAVED DRIVEWAY DETAIL (12% MAX GRADE)
NOT TO SCALE



QUICK 4 HIGH CAPACITY TRENCH DESIGN DETAIL
(NOT TO SCALE)



LEACHING SYSTEM CROSS SECTION
SCALE 1"=5'

SPECIAL PERMIT FOR
FLOOD PRONE DISTRICT
APPROVED
ANDOVER PLANNING & ZONING COMMISSION

CHAIRPERSON-SECRETARY DATE
SEE P&Z MINUTES OF FOR SPECIFIC
CONDITIONS OF APPROVAL

PLAN PREPARED FOR
57 HENDEE ROAD, LLC

HENDEE ROAD ANDOVER, CT.
CONSTRUCTION / E&S/ SEPTIC DETAILS

SCALE: NONE DATE: 1/21/2021 FILE NO. 2019-70 SHEET: 3 OF 3

BUSHNELL ASSOCIATES LLC.
CIVIL ENGINEERING AND LAND SURVEYING
563 WOODBRIDGE STREET MANCHESTER, CT. 06042
860-640-7875

REVISIONS: 3/5/2021, 3/19/2021

SEPTIC SYSTEM DESIGN NOTES AND CRITERIA

SEPTIC SYSTEM DESIGN AND INSTALLATION TO COMPLY WITH CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS REVISED JANUARY 1, 2018.

MINIMUM LEACHING SYSTEM SPREAD (MLSS) CALCULATION:
NUMBER OF BEDROOMS: 4
PERCOLATION RATE: 1-10 MIN./INCH
RESTRICTIVE LAYER: NONE
GROUND SLOPE: NOT APPLICABLE
MLSS: NOT APPLICABLE

REQUIRED: 1250 GALLON TWO-COMPARTMENT SEPTIC TANK AND 577.50 SQ. FT. OF EFFECTIVE LEACHING AREA.

PROVIDED: 1250 GALLON TWO-COMPARTMENT CONCRETE SEPTIC TANK WITH APPROVED EFFLUENT FILTER, NO GARBAGE DISPOSAL, WATER SOFTENING SYSTEM OR OVERSIZED TUB TO BE INSTALLED IN THE HOUSE. (ACCESS RISERS REQUIRED TO LESS THAN 12" FROM FINAL GRADE). 144 LINEAL FEET OF HIGH CAPACITY QUICK 4 INFILTRATORS (30 UNITS) (EFFECTIVE LEACHING CREDIT 4.1 SQ. FT./FT.) BACKFILLED WITH APPROVED AGGREGATE AND AN EFFECTIVE LEACHING AREA OF 590.4 SQ.FT. MINIMUM SPACING OF 7FT. ON CENTER. WITH HOUSE SEWER PIPE OF 4" DIA. SCHEDULE 40 ASTM D-1785 / ASTM D-2685.

INFILTRATOR BOTTOMS TO BE NO MORE THAN 36" BELOW ORIGINAL GRADE.

THE SEPTIC SYSTEM AREA SHALL NOT BE DISTURBED PRIOR TO STAKEOUT OF THE SYSTEM BY THE DESIGN ENGINEER.

THE DESIGN ENGINEER SHALL STAKE OUT THE SEPTIC SYSTEM, SET A LOCAL BENCHMARK AND SUPPLY THE EASTERN HIGHLANDS HEALTH DISTRICT WITH A STAKING VERIFICATION MEMO BEFORE A PERMIT TO INSTALL THE SYSTEM WILL BE ISSUED.

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER. SELECT FILL EXCEEDING 6% PASSING THE #200 SIEVE BASED ON A WET SIEVE TEST CANNOT BE APPROVED BY THE DESIGN ENGINEER.

SIEVE #	PERCENT PASSING	WET SIEVE	DRY SIEVE
#4	100	100	100
#10	70 - 100	70 - 100	
#40	10 - 50	10 - 75	
#100	0 - 20	0 - 5	
#200	0 - 5	0 - 2.5	

* 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 THAT DOES NOT MEET THE DRY SIEVE GRADATION CRITERIA BUT MEETS THE WET SIEVE CRITERIA IS ACCEPTABLE.

THE LICENSED INSTALLER IS RESPONSIBLE FOR PREPARING THE LEACHING AREA WITH REQUIRED SELECT FILL. THE TOPSOIL IN THE LEACHING AREA MUST BE COMPLETELY REMOVED AND THE SUBSOIL SCARIFIED PRIOR TO SELECT FILL PLACEMENT. THE INSTALLER SHALL TAKE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOIL FROM FROM OVERCOMPACTION, SILTATION OR OTHER DAMAGE. THE INSTALLER IS RESPONSIBLE FOR PROPERLY COMPACTING THE SELECT FILL TO FACILITATE CONSTRUCTION AND TO PREVENT SETTLING. SELECT FILL SHALL EXTEND A MINIMUM OF FIVE (5) FEET Laterally IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING AREA.

TEST PITS OBSERVED BY HOLLY HOOD R.S. EASTERN HIGHLANDS HEALTH DISTRICT ANDREW BUSHNELL P.E. AUGUST 27, 2009
TEST PIT 1A
0-4" TOPSOIL
8-24" LOAMY SAND
24-50" SAND, ROCKS (ALL SIZES)
NO MOTTLING
LEDGE 24" (SOUTH END) 36" (MIDWAY) 41" (NORTH)
NO SEEPAGE
ROOTS TO 41"

TEST PIT 1B
0-10" TOPSOIL
10-38" LOAMY SAND & LARGE BOULDERS
38-58" SAND, ROCKS, BOULDERS
NO MOTTLING
LEDGE 38"
NO SEEPAGE
ROOTS TO 41"

TEST PIT 1C
0-8" TOPSOIL
8-21" BRIGHT ORANGE BROWN FINE SANDY LOAM
21-102" LIGHT BROWN SAND AND GRAVEL W/ROCKS, BOULDERS
NO MOTTLING
NO LEDGE
NO SEEPAGE

PERCOLATION TEST 1 RESULTS
PERFORMED BY HOLMES AND HENRY ASSOCIATES LLC.
10-5-09
PRE-SOAK 10-10 AM
START 12:34 PM 10-5-09
HOLE DRY @ START
30" DEEP HOLE

TIME (MIN.)	READING (IN.)	DIFFERENCE (IN.)
0	11	
5	14 1/2	3 1/2
10	15 3/4	1 1/4
15	16 3/4	1
20	17 3/4	1
25	18 1/2	3/4
30	19	1/2
35	20	1
40	20 3/4	3/4
45	21 1/2	3/4
50	22 1/4	3/4

PERCOLATION RATE = 1-10 MIN./IN.

PERCOLATION TEST 2 RESULTS
PERFORMED BY EASTERN HIGHLANDS HEALTH DISTRICT
3-30-2021
22" DEEP HOLE

TIME (MIN.)	READING (IN.)	DIFFERENCE (IN.)
12:30	11	
12:32	14 1/4	3 1/4
12:34	15 3/4	1 1/2
12:36	17	1 1/4
12:38	17 3/4	3/4
12:40	18 1/2	3/4
12:42	19 1/4	3/4
12:44	20	3/4

PERCOLATION RATE = 2.67 MIN./IN.

TEST PIT 1D
0-10" TOPSOIL
10-36" LOAMY SAND W/LARGE BOULDERS, STONE, GRAVEL
36-46" SAND AND GRAVEL W/BOULDERS
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 1E
LEDGE OR VERY LARGE BOULDER @ 13"
TEST PIT 1F
0-10" TOPSOIL
10-32" VERY FINE RED SAND
32'-7.5" MED SAND AND GRAVEL W/COBBLES AND ROCKS (NO BOULDERS)
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 1G
0-7" TOPSOIL
7-18" VERY FINE ORANGE BROWN FINE SANDY LOAM W/ROCKS ALL SIZES
18'-7" SAND, COBBLES, ROCKS (NO 3" BOULDERS)
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 1H
0-10" TOPSOIL
10-22" FINE SANDY LOAM W/ROCKS
22-88" MED-COARSE SAND AND GRAVEL W/COBBLES, ROCKS
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT OBSERVED BY THAD KING MPH REHS R.S. EASTERN HIGHLANDS HEALTH DISTRICT MARCH 30, 2021

TEST PIT 1I
0-10" TOPSOIL
10-31" DARK BROWN FINE SANDY LOAM
31-81" SAND AND GRAVEL ROCKS COBBLES BOULDERS
NO MOTTLING
NO LEDGE
NO SEEPAGE
ROOTS 44"

TEST PITS OBSERVED BY THAD KING MPH REHS R.S. EASTERN HIGHLANDS HEALTH DISTRICT ANDREW BUSHNELL P.E. OCTOBER 16, 2009

TEST PIT 1J
0-12" TOPSOIL
12-24" BROWN FINE SANDY LOAM
24-60" TAN SANDS AND GRAVEL ROCKS COBBLES BOULDERS
60-96" ROCKS COBBLES BOULDERS RED/BROWN SANDS AND GRAVEL ROCKS
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 2
0-12" TOPSOIL
12-18" BROWN FINE SANDY LOAM
18-60" GRAY BROWN SAND AND GRAVEL ROCKS AND COBBLES
60-74" GRAY BROWN FINE GRAVEL ROCKS AND COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 3
0-12" TOPSOIL
12-26" RED BROWN FINE SANDY LOAM
26-66" YELLOW ORANGE SAND AND GRAVEL ROCKS AND COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 4
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 5
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 6
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 7
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 8
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 9
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 10
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 11
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 12
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 13
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 14
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 15
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 16
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 17
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 18
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 19
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 20
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 21
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 22
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 23
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 24
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 25
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 26
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 27
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 28
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 29
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 30
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 31
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 32
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 33
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 34
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 35
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 36
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 37
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 38
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 39
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 40
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 41
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 42
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 43
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 44
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 45
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 46
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 47
0-9" TOPSOIL
9-21" BROWN FINE SANDY LOAM
21-41" YELLOW TAN SAND AND GRAVEL ROCKS AND COBBLES
41-88" GRAY BROWN SAND AND GRAVEL
NO MOTTLING
NO LEDGE
NO SEEPAGE

TEST PIT 48
0-10" TOPSOIL
10-16" YELLOW BROWN FINE SANDY LOAM
16-48" TAN / YELLOW FINE SAND AND GRAVEL ROCKS COBBLES
NO MOTTLING
NO LEDGE
NO SEEPAGE