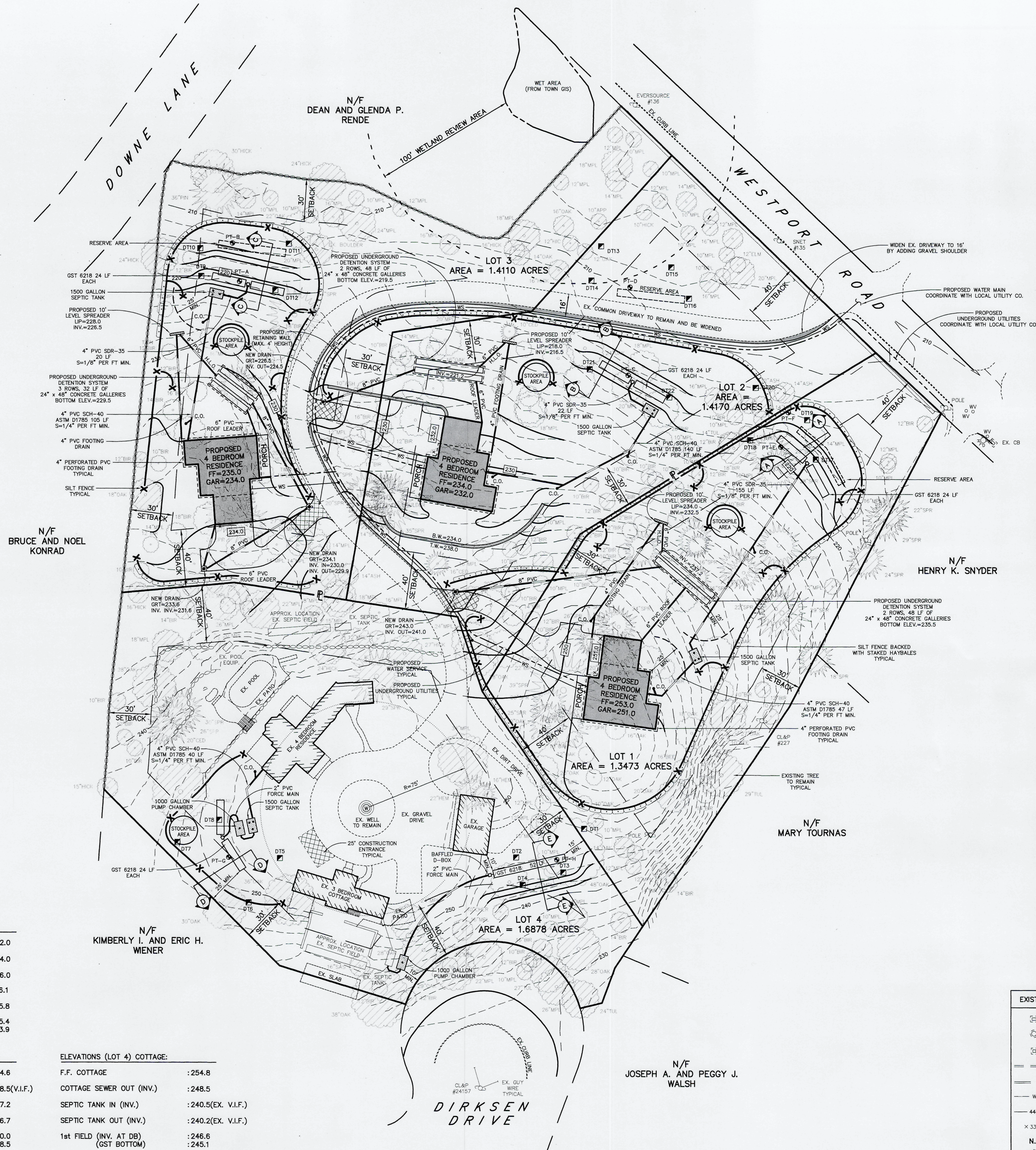


NOTES:

- EXISTING UTILITIES, STRUCTURES, TOPOGRAPHY AND PROPERTY LINE INFORMATION SHOWN HEREON ARE TAKEN FROM A MAP TITLED "TOPOGRAPHIC SURVEY - 183 WESTPORT ROAD" PREPARED FOR 183 WESTPORT LLC, PREPARED BY STALKER LAND SURVEYING, INC. OF WILTON, CT, DATED OCTOBER 10, 2020.
- LOCATIONS OF EXISTING UNDERGROUND STRUCTURES AND UTILITIES INDICATED HEREON ARE TAKEN FROM DESIGN DRAWINGS, FIELD OBSERVATIONS, AND OTHER SOURCES OF INFORMATION AND ARE NOT TO BE CONSTRUED AS AN ACCURATE "AS-BUILT" SURVEY. THE CONTRACTOR SHALL EXCAVATE TEST HOLES, CONTACT "CALL BEFORE YOU DIG", AND PERFORM WHATEVER ADDITIONAL VERIFICATION NECESSARY TO VERIFY THE EXISTING INFORMATION. THE PROJECT ENGINEER SHALL BE PROMPTLY NOTIFIED OF ANY APPARENT CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED WORK.
- THE PURPOSE OF THIS PLAN IS TO INDICATE THE SUBDIVISION OF THE EXISTING PARCEL INTO FOUR BUILDING LOTS. THE EXISTING HOUSE, COTTAGE, GARAGE AND POOL ARE TO REMAIN ON ONE PARCEL. THE THREE NEWLY CREATED PARCELS ARE INTENDED TO BE DEVELOPED WITH SINGLE FAMILY HOMES. THE EXISTING HOUSE AND COTTAGE ARE SERVED BY SEPTIC SYSTEMS AND A PRIVATE WELL. THE NEWLY CREATED PARCELS WILL BE SERVED BY SEPTIC SYSTEMS AND PUBLIC WATER. THE DEVELOPMENT INDICATED IS TO DEMONSTRATE FEASIBILITY ONLY AND IS ONE OF MANY POSSIBILITIES.
- THE SEPTIC SYSTEMS SHOWN FOR THE EXISTING RESIDENCE AND COTTAGE ARE DESIGNED TO COMPLY WITH SECTION 19-13-8100a OF THE CONNECTICUT PUBLIC HEALTH CODE AND ARE NOT INTENDED OR REQUIRED TO BE BUILT AT THIS TIME.
- ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF WILTON STANDARD DETAILS AND SPECIFICATIONS. IN THE ABSENCE OF LOCAL STANDARDS, THE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATION FORM 818, LATEST REVISION.
- SOIL AND EROSION CONTROL MEASURES SHOWN HEREON SHALL BE PROPERLY INSTALLED PRIOR TO THE START OF CONSTRUCTION, INSPECTED AND REPAIRED WEEKLY AND BEFORE AND AFTER STORM EVENTS, AND MAINTAINED IN FUNCTIONAL CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- THE STORMWATER MANAGEMENT FACILITIES SHOWN ON THIS PLAN, IF PROPERLY INSTALLED AND MAINTAINED, SHALL CONTROL THE STORMWATER RUNOFF FROM THE SITE.
- SITE GRADING INDICATED ON THIS PLAN IS IN CONFORMANCE WITH THE WILTON ZONING REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO THE COMMENCEMENT OF THE WORK.



ELEVATIONS (LOT 1):

GARAGE	:251.0
F.F. HOUSE	:253.0
HOUSE SEWER OUT (INV.)	:245.0
SEPTIC TANK IN (INV.)	:242.5
SEPTIC TANK OUT (INV.)	:242.2
1st FIELD (INV. AT DB) (GST BOTTOM)	:217.8 :216.3

ELEVATIONS (LOT 2):

GARAGE	:232.0
F.F. HOUSE	:234.0
HOUSE SEWER OUT (INV.)	:226.0
SEPTIC TANK IN (INV.)	:216.1
SEPTIC TANK OUT (INV.)	:215.8
1st FIELD (INV. AT DB) (GST BOTTOM)	:215.4 :213.9

ELEVATIONS (LOT 3):

GARAGE	:234.0
F.F. HOUSE	:235.0
HOUSE SEWER OUT (INV.)	:227.0
SEPTIC TANK IN (INV.)	:220.6
SEPTIC TANK OUT (INV.)	:220.3
1st FIELD (INV. AT DB) (GST BOTTOM)	:219.8 :218.3

ELEVATIONS (LOT 4) MAIN HOUSE:

F.F. HOUSE	:254.6
HOUSE SEWER OUT (INV.)	:248.5(V.I.F.)
SEPTIC TANK IN (INV.)	:247.2
SEPTIC TANK OUT (INV.)	:246.7
1st FIELD (INV. AT DB) (GST BOTTOM)	:250.0 :248.5

NOTE: PUMP CHAMBER INVERTS TO BE DETERMINED IN THE FIELD.

ELEVATIONS (LOT 4) COTTAGE:

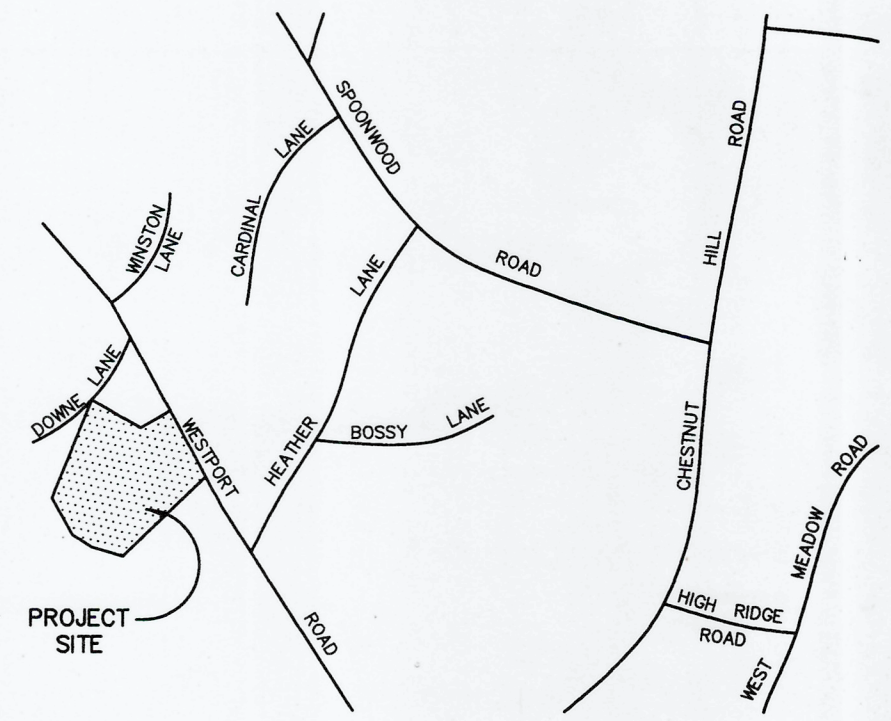
F.F. COTTAGE	:254.8
COTTAGE SEWER OUT (INV.)	:248.5
SEPTIC TANK IN (INV.)	:240.5(EX. V.I.F.)
SEPTIC TANK OUT (INV.)	:240.2(EX. V.I.F.)
1st FIELD (INV. AT DB) (GST BOTTOM)	:246.6 :245.1

NOTE: PUMP CHAMBER INVERTS TO BE DETERMINED IN THE FIELD.

LEGEND

EXISTING	ITEM	PROPOSED
	CATCH BASIN	
	MANHOLE	
	DRAIN	
	SANITARY SEWER	
	STORM SEWER	
	WATER SERVICE	
	CONTOUR	
	SPOT ELEVATION	
	SILTY FENCE	
	TREE TO REMAIN	
	POLE	

TOTAL AREA = 5.863 ACRES



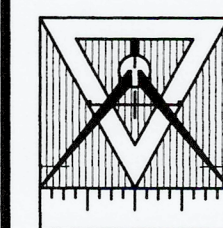
SCALE: 1" = 800'

Orientation

No.	Date	Revisions or Submissions
2	2-4-21	REVISED AND ISSUED FOR MUNICIPAL APPROVAL
1	11-18-20	ISSUED FOR MUNICIPAL APPROVAL

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McChord Engineering Associates, Inc.



Civil Engineers and Land Planners
1 Grumman Hill Road
Wilton, CT 06897 (203) 834-0569

PLAN PREPARED FOR
183 WESTPORT LLC
WILTON, CONNECTICUT

SUBDIVISION DEVELOPMENT PLAN
183 WESTPORT ROAD
WILTON, CONNECTICUT

JOB NO.: 2140A-1 DATE: NOVEMBER 18, 2020
DRAWN BY: DRS CHECKED BY: HMM, TSN, HMR
SCALE: 1" = 40'



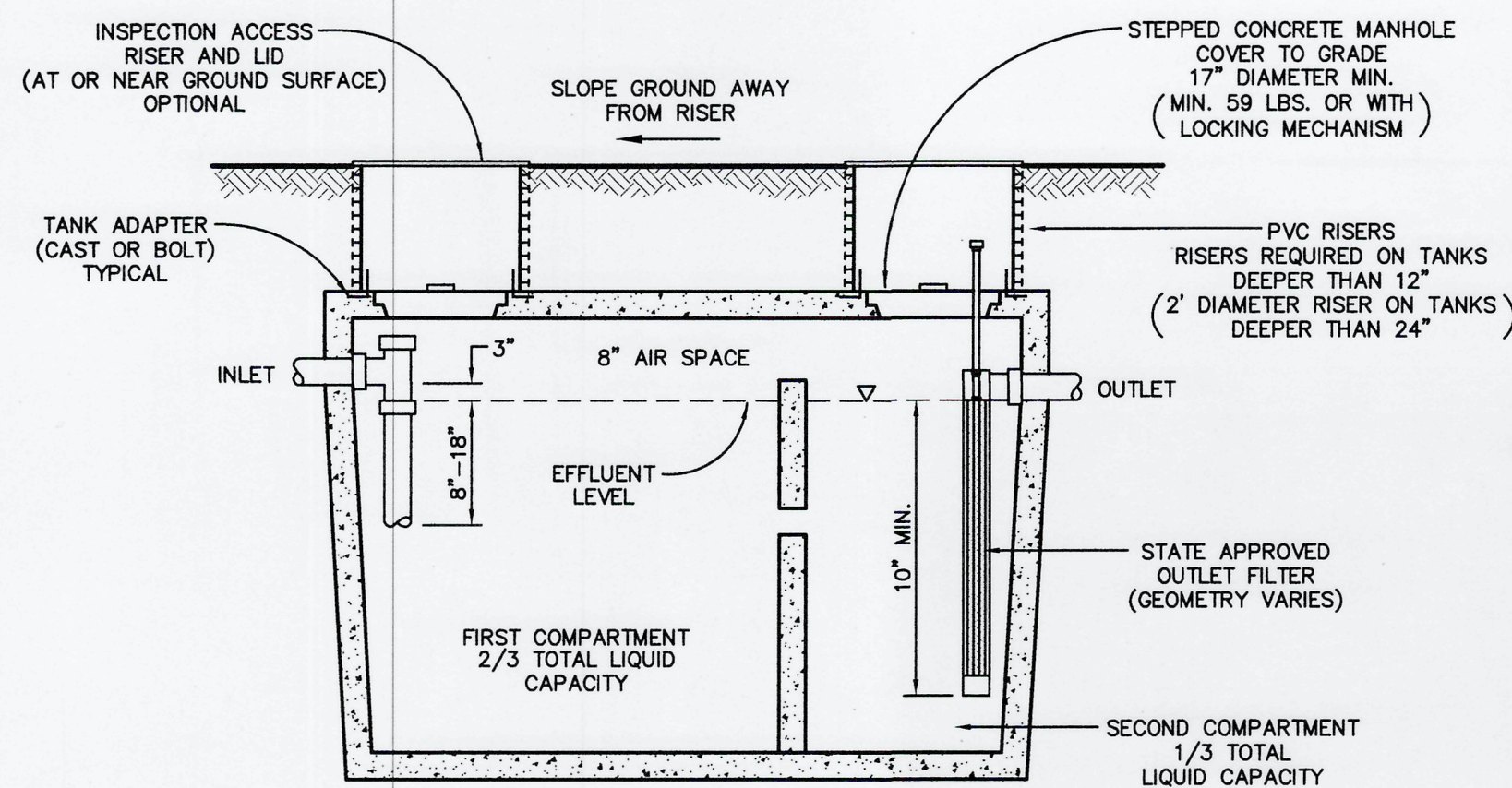
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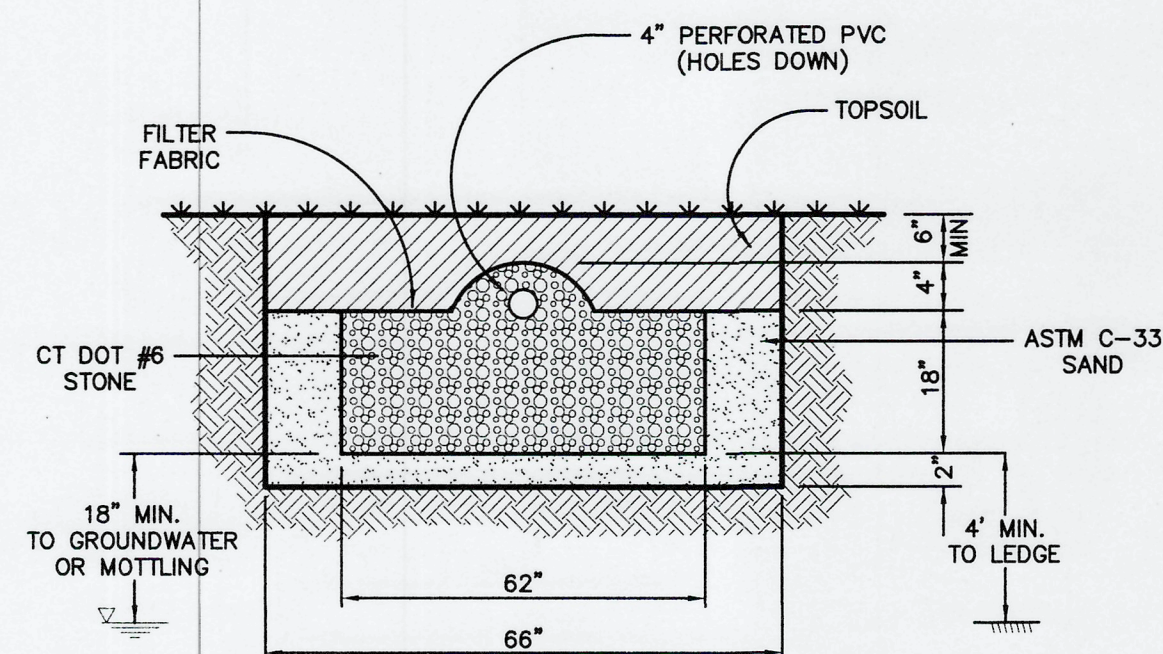
DRAWING NO.:

SE1

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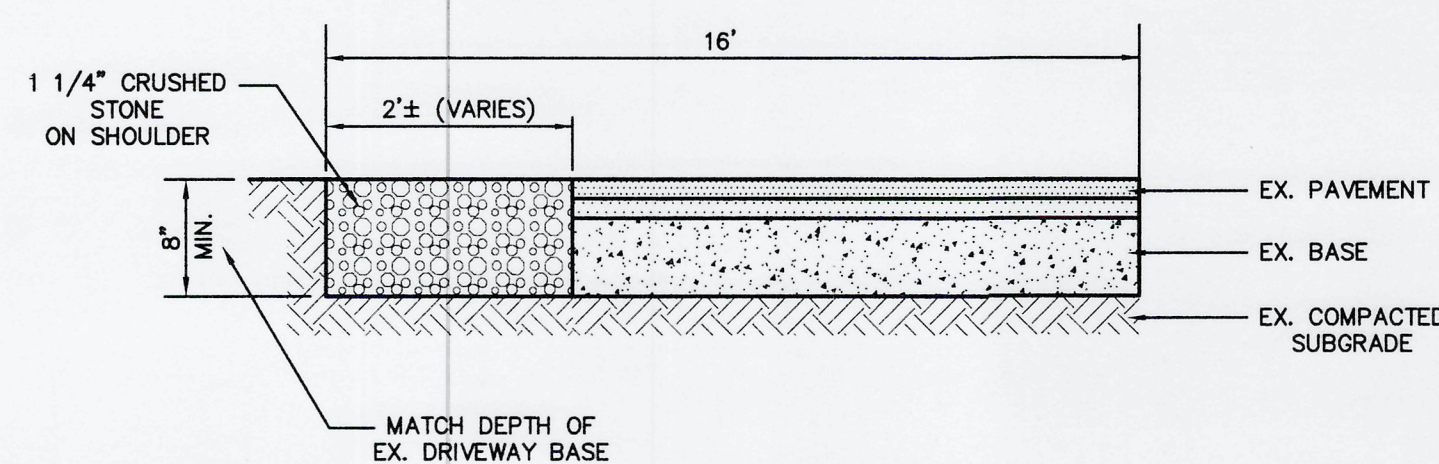


TYPICAL SEPTIC TANK DETAIL
N.T.S.

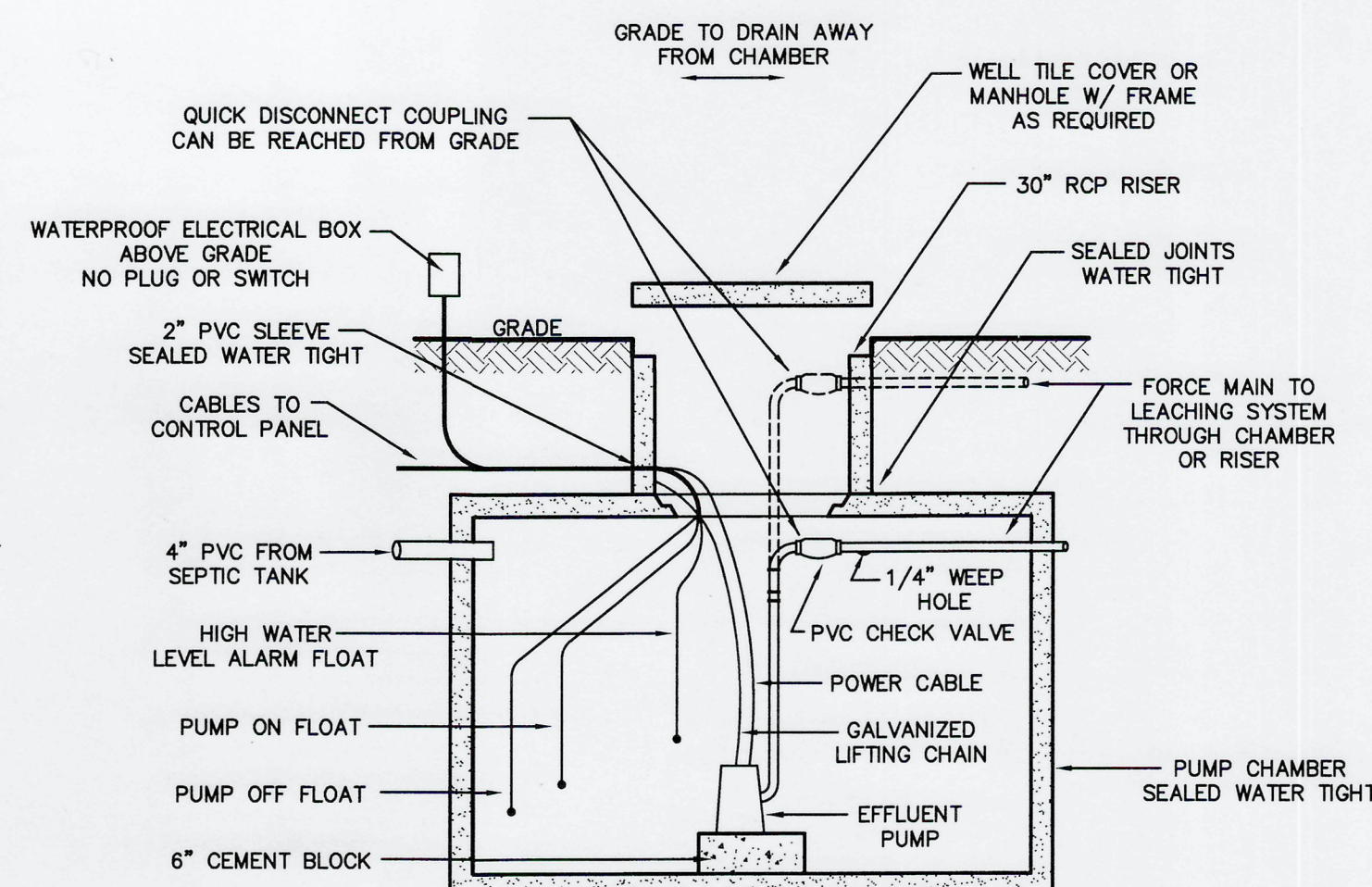


NOTE: INSTALLATION REQUIRES THE USE OF PROPRIETARY FORMS AND MUST BE SUPERVISED BY A REPRESENTATIVE FROM GEOMATRIX.

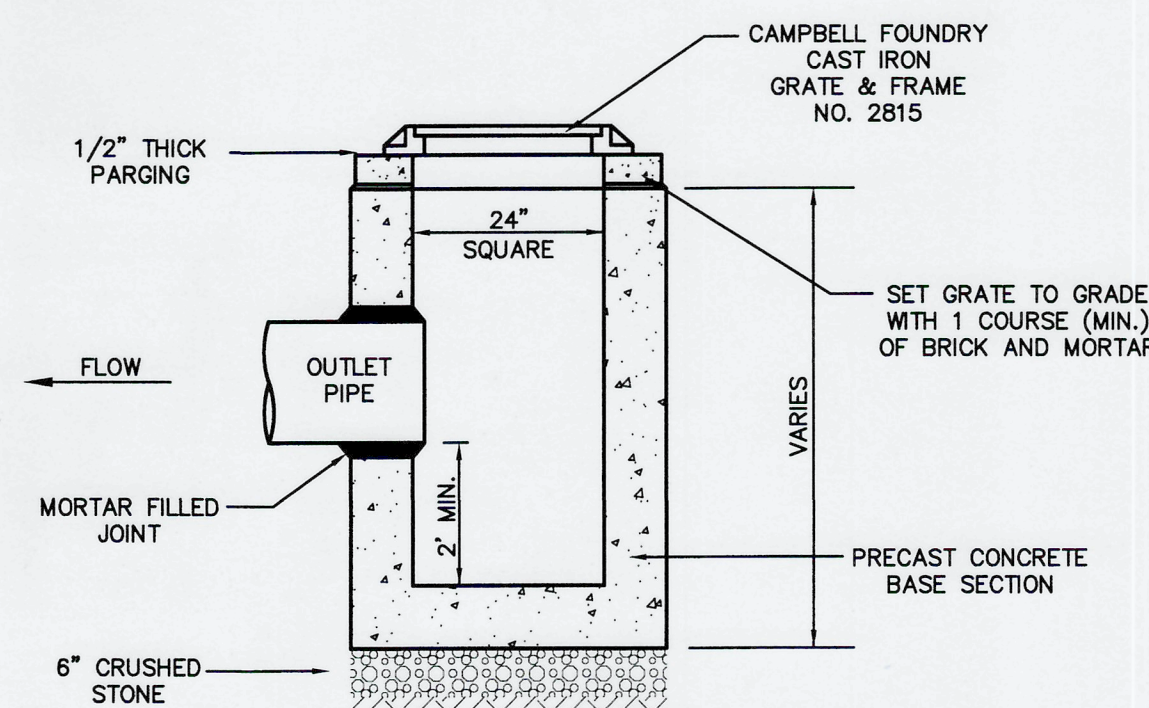
GEOMATRIX GST 6218 DETAIL
N.T.S.



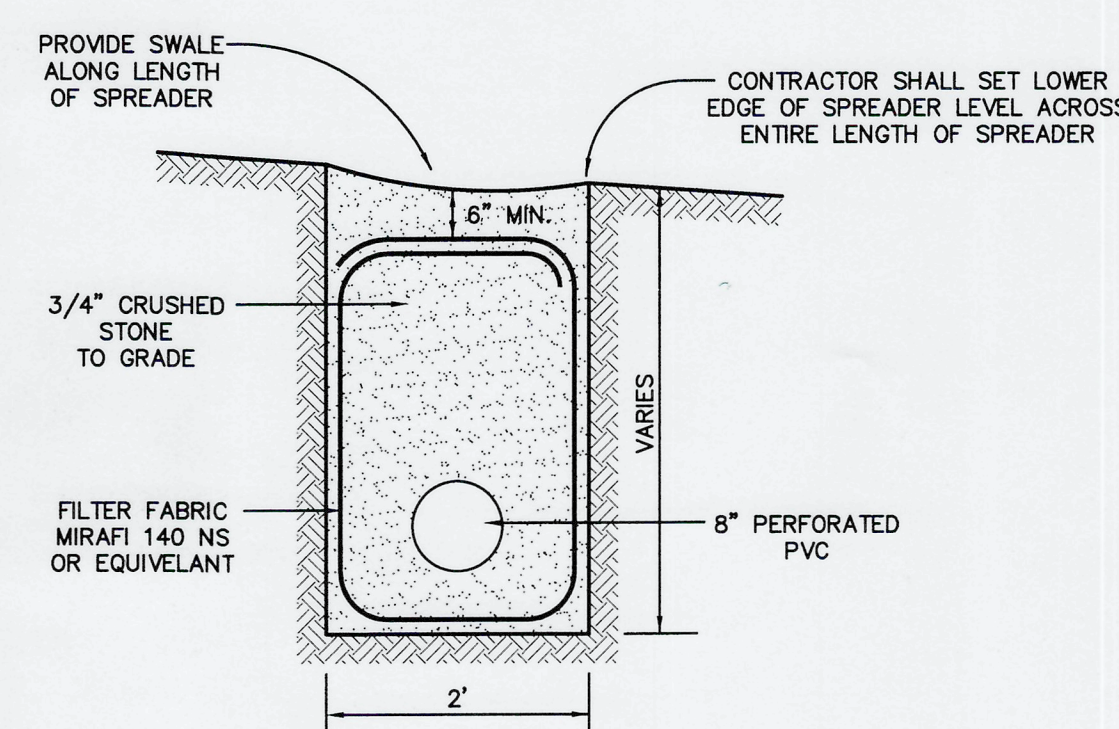
GRAVEL SHOULDER DETAIL
N.T.S.



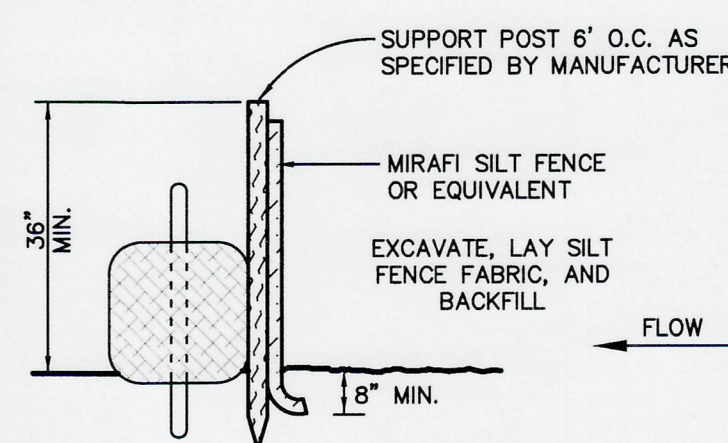
TYPICAL PUMP CHAMBER DETAIL
N.T.S.



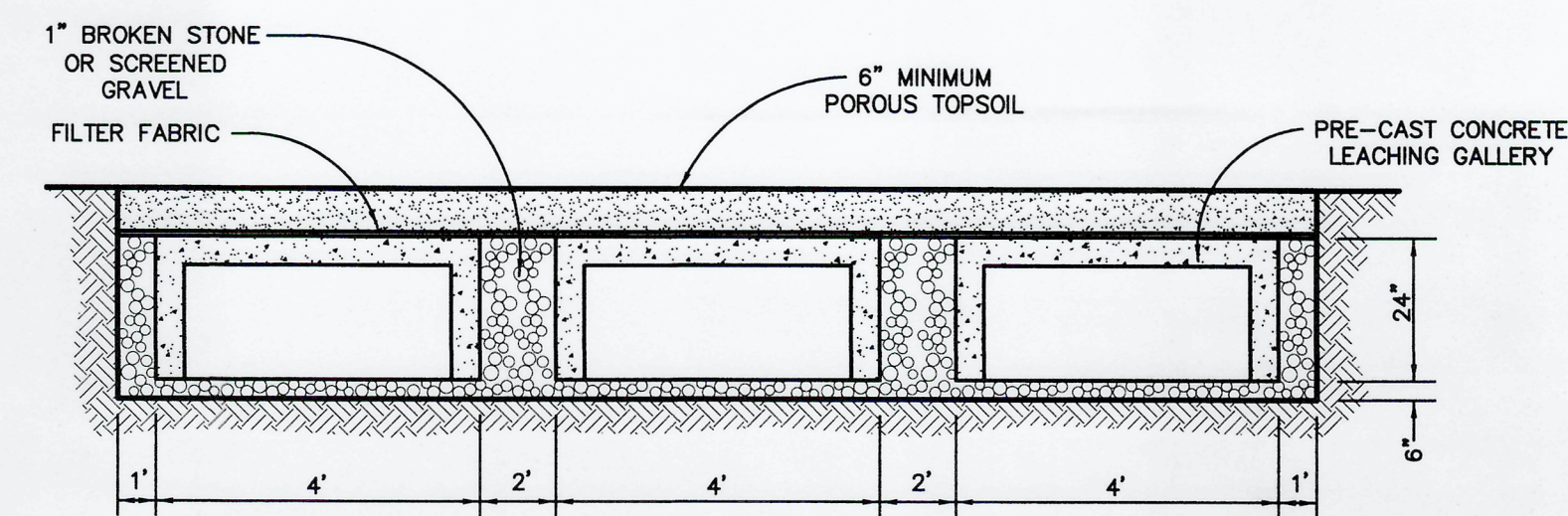
DRIVEWAY DRAIN DETAIL
N.T.S.



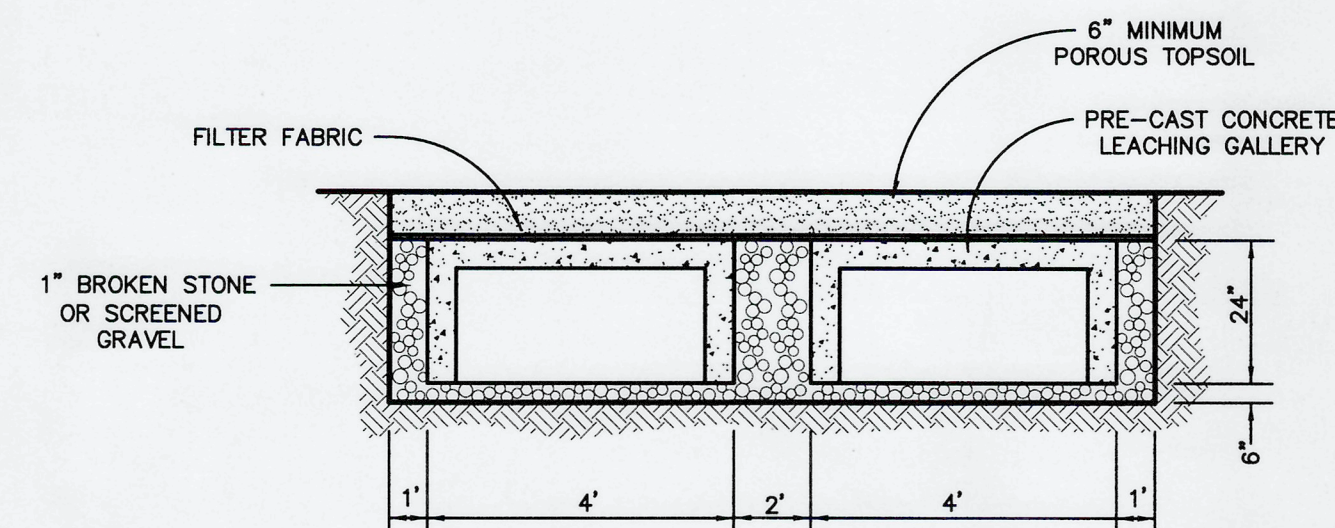
LEVEL SPREADER DETAIL
N.T.S.



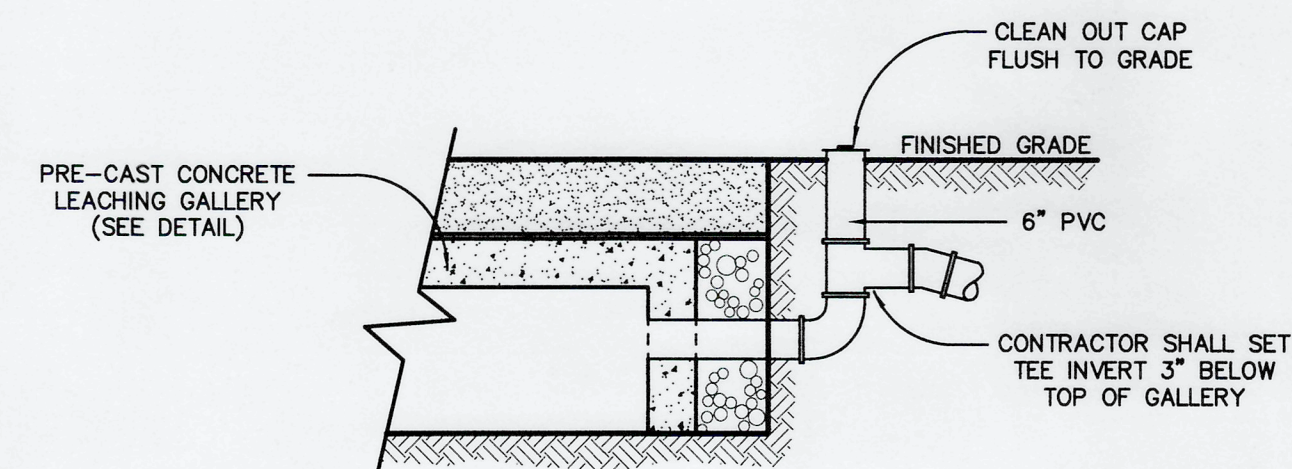
SILT FENCE BACKED WITH STAKED HAYBALE DETAIL
N.T.S.



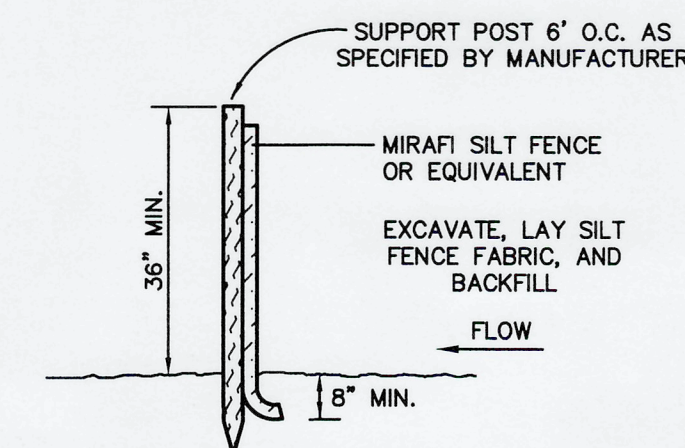
24" x 48" UNDERGROUND DETENTION SYSTEM GALLERY DETAIL
N.T.S.



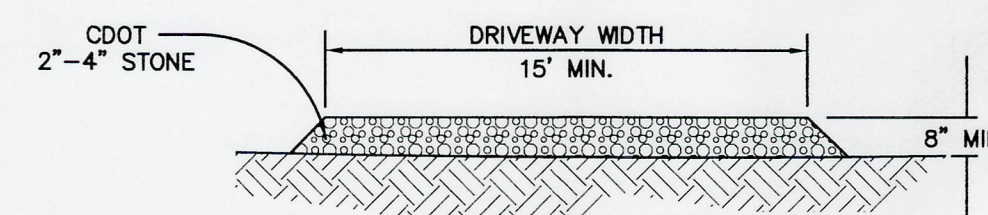
24" x 48" UNDERGROUND DETENTION SYSTEM GALLERY DETAIL
N.T.S.



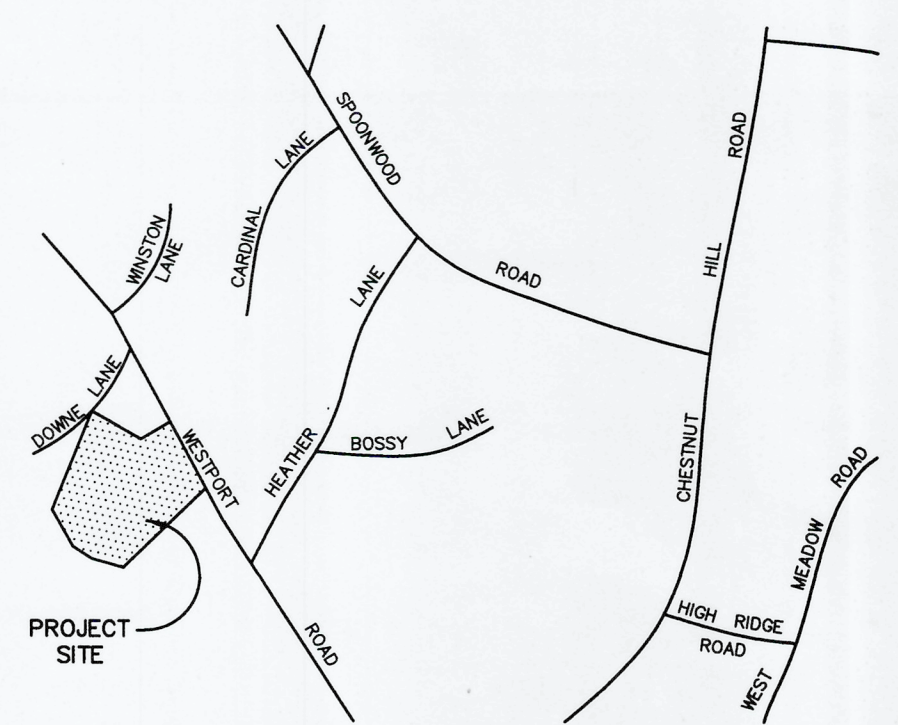
UNDERGROUND DETENTION SYSTEM
HIGH LEVEL OVERFLOW OUTLET DETAIL
N.T.S.



SILT FENCE DETAIL
N.T.S.



CONSTRUCTION ENTRANCE DETAIL
N.T.S.



SCALE: 1" = 800'

Orientation

No.	Date	Revisions or Submissions
1	11-18-20	ISSUED FOR MUNICIPAL APPROVAL
2	2-4-21	REVISED AND ISSUED FOR MUNICIPAL APPROVAL

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McChord Engineering Associates, Inc.

Civil Engineers and Land Planners
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Wilton, CT 06897 (203) 834-0569

PLAN PREPARED FOR
183 WESTPORT LLC
WILTON, CONNECTICUT

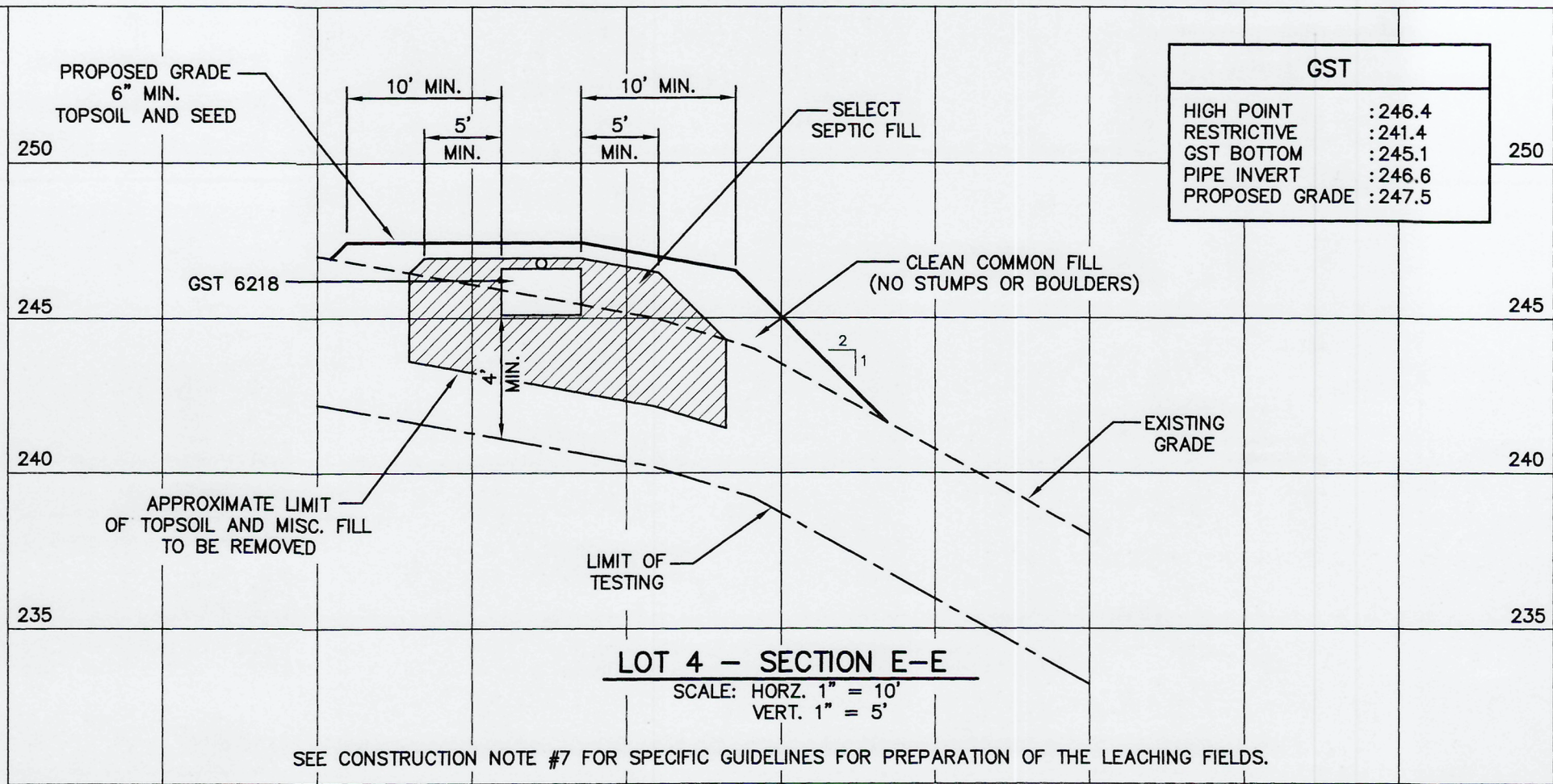
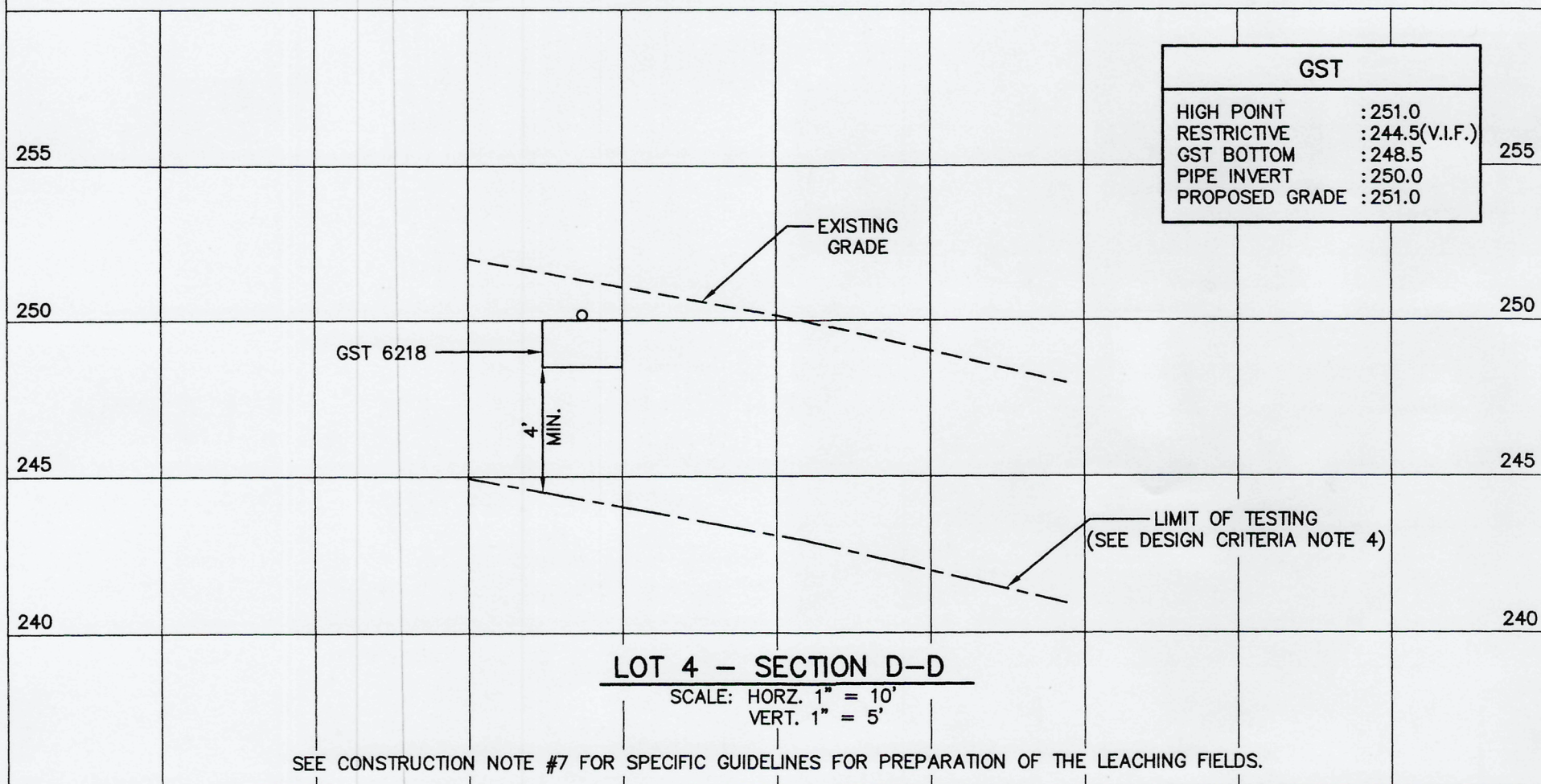
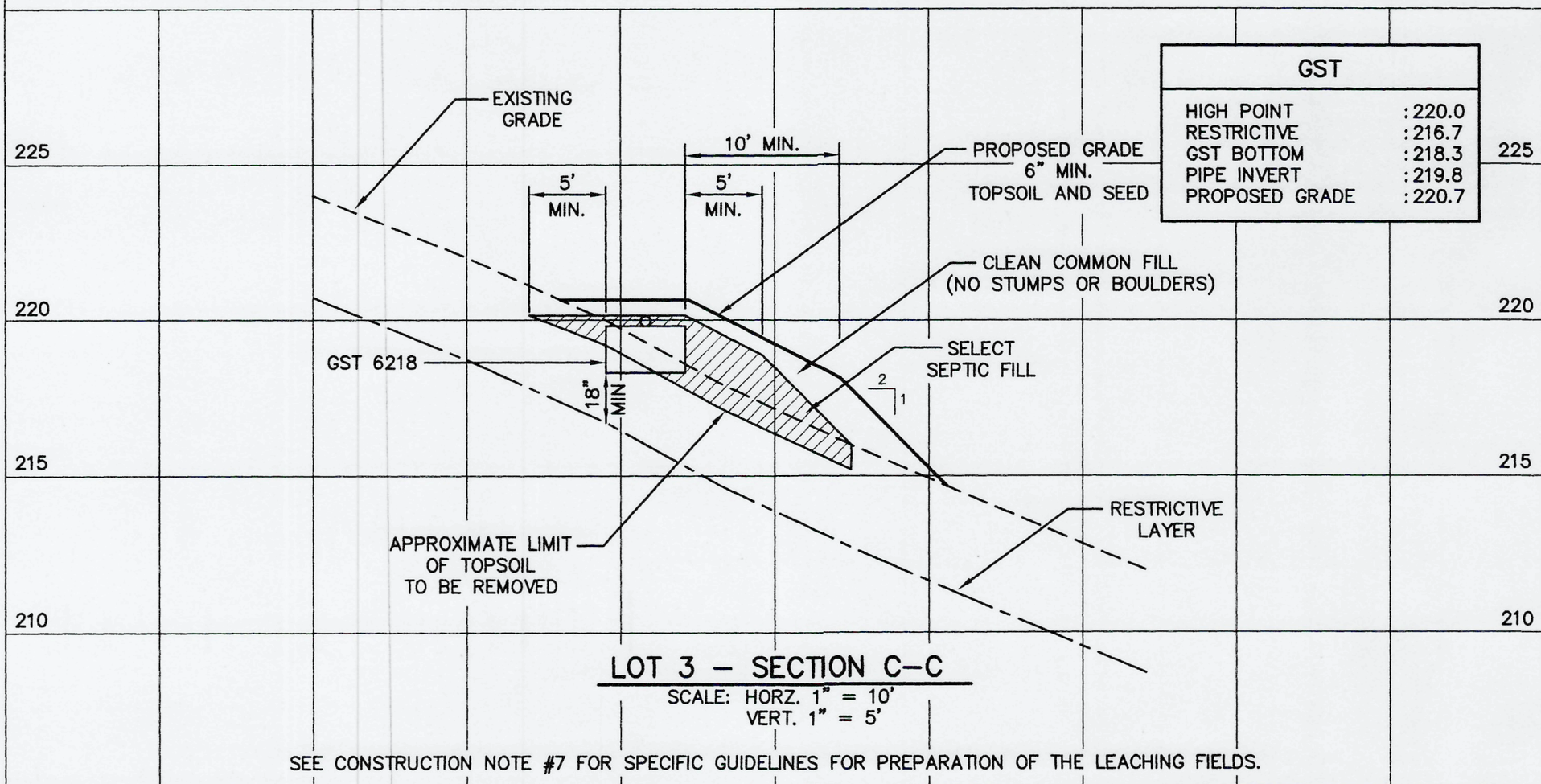
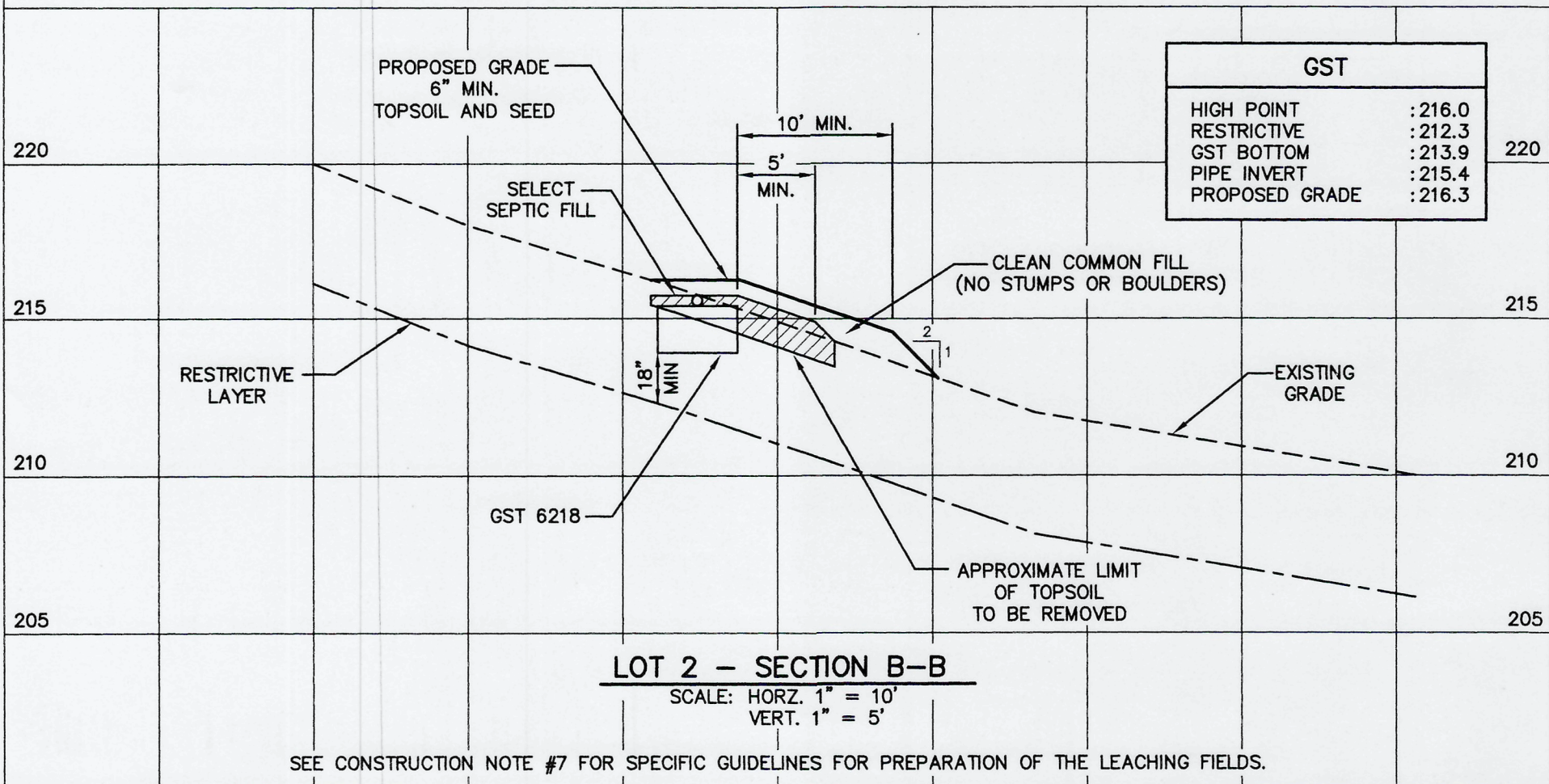
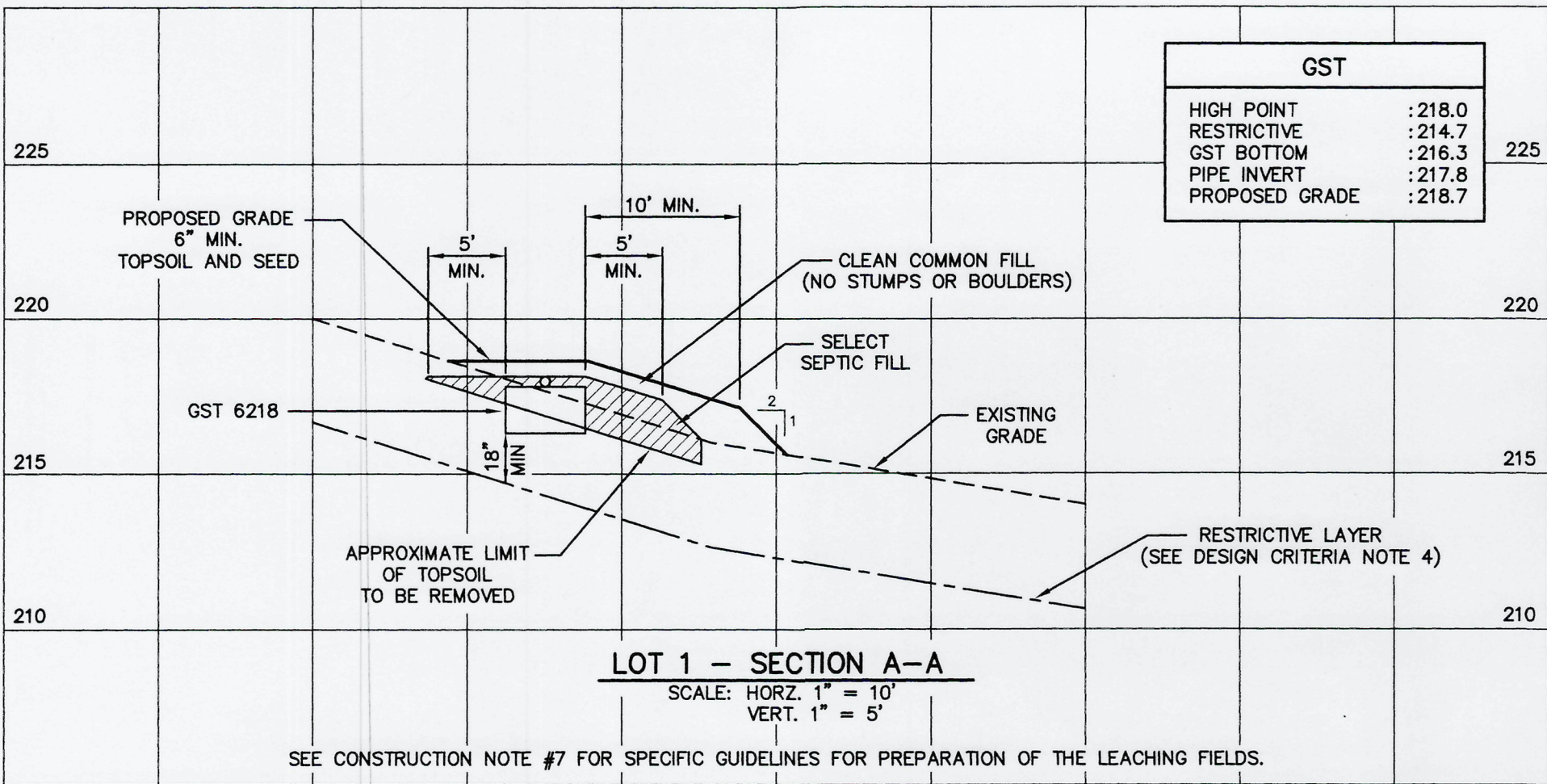
CONSTRUCTION NOTES AND DETAILS
183 WESTPORT ROAD
WILTON, CONNECTICUT

JOB NO.: 2140A-1 DATE: NOVEMBER 18, 2020
DRAWN BY: DRS CHECKED BY: HMM, TSN, HMR
SCALE: AS SHOWN

SIGNATURE: DRAWING NO.:

DT1

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DESIGN CRITERIA (LOT 2):

- PERCOLATION RATE: PT-C = 1:10, PT-D = 1:10
 - DESIGN RATE FOR PRIMARY SYSTEM: 1:10
 - DESIGN RATE FOR RESERVE SYSTEM: 1:10
- MINIMUM LEACHING SYSTEM SPREAD (MLSS):
 - HYDRAULIC FACTOR (HF)
 - HYDRAULIC GRADIENT = 15.8% (AVERAGE)
 - DEPTH OF RESTRICTIVE LAYER = 51" (AVERAGE DT14, 16, 21 AND 22)
 - HYDRAULIC FACTOR = 10'
 - FLOW FACTOR (FF): 5 BEDROOM = 2.0
 - PERCOLATION FACTOR (PF): 1:10 = 1.0
 - MINIMUM LEACHING SYSTEM SPREAD = 10' x 2.0 x 1.0 = 20'
 - LEACHING SYSTEM SPREAD PROVIDED = 48'
- SYSTEM DESCRIPTION:
 - NUMBER OF BEDROOMS: 5
 - REQUIRED LEACHING AREA: 660 SF @ 14.0 SF/LF = 47.1 LF (PLUS 100% RESERVE)
 - SYSTEM COMPONENTS: 1500 GALLON SEPTIC TANK AND GST 6218.
 - TOTAL FIELDS PROPOSED:
 - PRIMARY SYSTEM: 1 x 48 LF = 48 LF @ 14.0 SF/LF = 672 SF
 - RESERVE SYSTEM: 1 x 48 LF = 48 LF @ 14.0 SF/LF = 672 SF
- DEPTH OF SYSTEM CONTROL: RESTRICTIVE LAYER @ 44" IN DEEP TEST 21 WILL CONTROL THE DEPTH OF THE SYSTEM.

DESIGN CRITERIA (LOT 4) COTTAGE:

- PERCOLATION RATE: PT-H = 1:20
 - DESIGN RATE FOR PRIMARY SYSTEM: 1:20
 - DESIGN RATE FOR RESERVE SYSTEM: N/A
- MINIMUM LEACHING SYSTEM SPREAD (MLSS):
 - HYDRAULIC FACTOR (HF)
 - HYDRAULIC GRADIENT = 17.5% (AVERAGE)
 - DEPTH OF RESTRICTIVE LAYER = 49.75" (AVERAGE DT1 THRU 4)
 - HYDRAULIC FACTOR = 10'
 - FLOW FACTOR (FF): 3 BEDROOM = 1.5
 - PERCOLATION FACTOR (PF): 1:20 = 1.25
 - MINIMUM LEACHING SYSTEM SPREAD = 10' x 1.5 x 1.25 = 18.75'
 - LEACHING SYSTEM SPREAD PROVIDED = 52'
- SYSTEM DESCRIPTION:
 - NUMBER OF BEDROOMS: 3
 - REQUIRED LEACHING AREA: 675 SF @ 14.0 SF/LF = 48.2 LF
 - SYSTEM COMPONENTS: EX. 1000 GALLON SEPTIC TANK, 1000 GALLON PUMP CHAMBER AND GST 6218.
 - TOTAL FIELDS PROPOSED:
 - PRIMARY SYSTEM: 1 x 52 LF = 52 LF @ 14.0 SF/LF = 728 SF
 - RESERVE SYSTEM: N/A
- DEPTH OF SYSTEM CONTROL: LIMIT OF TESTING @ 64" IN DEEP TEST 1 WILL CONTROL THE DEPTH OF THE SYSTEM.

DEEP TEST AND PERCOLATION TEST DATA:

DEEP TEST 1	DEEP TEST 2	DEEP TEST 3	DEEP TEST 4	DEEP TEST 5	DEEP TEST 6	DEEP TEST 7	DEEP TEST 8	DEEP TEST 9
0"-12" TOPSOIL 12"-64" RED BROWN SILTY LOAM W/ BOULDERS	0"-26" MISC. FILL 26"-38" ORIGINAL TOP SOIL 38"-64" RED BROWN SILTY LOAM	0"-14" TOPSOIL 14"-65" YELLOW BROWN SILTY LOAM W/ BOULDERS	0"-14" TOPSOIL 38"-45" ORIGINAL TOP SOIL 45"-70" RED BROWN SILTY LOAM	0"-24" MISC. FILL 64"-54" TAN SAND W/ GRAVEL 54"-70" YELLOW BROWN SILTY LOAM W/ ANGULAR STONES	0"-24" MISC. FILL 24"-30" ORIGINAL TOP SOIL 30"-70" YELLOW BROWN SILTY LOAM W/ ANGULAR STONES	0"-19" MISC. FILL 19"-28" ORIGINAL TOP SOIL 28"-77" YELLOW BROWN SILTY LOAM W/ ANGULAR STONES	0"-17" MISC. FILL 17"-18" ORIGINAL TOP SOIL 18"-32" RED BROWN SILTY LOAM W/ STONES 32"-70" YELLOW BROWN SILTY LOAM W/ STONES AND LARGE ROCKS	0"-8" TOP SOIL 8"-40" YELLOW BROWN SILTY LOAM 40"-82" MODERATELY COMPACT YELLOW BROWN ROCKY HARDPAN
NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 64"	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 38" (64"-26")	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 65"	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 32" (70"-38")	MOTTLING @ 13" NO LEDGE NO GROUNDWATER RESTRICTIVE @ 13"	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 46" (70"-24")	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 58" (77"-19")	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 53" (70"-17")	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 40"
DEEP TEST 10	DEEP TEST 11	DEEP TEST 12	DEEP TEST 13	DEEP TEST 14	DEEP TEST 15	DEEP TEST 16	DEEP TEST 17	DEEP TEST 18
0"-10" TOP SOIL 10"-52" YELLOW BROWN SILTY LOAM W/ ROCKS 52"-74" MODERATELY COMPACT MOTTLED YELLOW BROWN HARDPAN	0"-10" TOP SOIL 10"-46" RED BROWN SILTY LOAM 46"-74" MODERATELY COMPACT YELLOW BROWN SILTY LOAM W/ ANGULAR ROCKS	0"-6" TOP SOIL 6"-55" YELLOW BROWN SILTY LOAM W/ ROCKS 55"-75" MODERATELY COMPACT YELLOW BROWN SILTY LOAM W/ ANGULAR ROCKS	0"-18" MISC. FILL 18"-24" ORIGINAL TOP SOIL 24"-40" RED BROWN SILTY LOAM 40"-68" MODERATELY COMPACT MOTTLED YELLOW BROWN SILTY LOAM W/ ROCKS	0"-23" MISC. FILL 23"-33" ORIGINAL TOP SOIL 33"-40" RED BROWN SILTY LOAM 40"-75" TAN SILTY LOAM	0"-23" MISC. FILL 23"-33" ORIGINAL TOP SOIL 33"-40" RED BROWN SILTY LOAM 40"-75" TAN SILTY LOAM	0"-14" MISC. FILL 14"-30" ORIGINAL TOP SOIL 30"-70" YELLOW BROWN SILTY LOAM W/ STONES 70"-74" MOTTLED GRAY SILT	0"-6" TOP SOIL 6"-51" RED BROWN SILTY LOAM 51"-73" MODERATELY COMPACT GRAY SILTY LOAM W/ ROCKS	0"-6" TOP SOIL 6"-29" RED BROWN SILTY LOAM 29"-82" GRAY SILTY LOAM W/ ROCKS
NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 52"	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 46"	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 56"	MOTTLING @ 40" NO LEDGE NO GROUNDWATER RESTRICTIVE @ 22" (40"-18")	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 52" (75"-23")	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 47" (61"-14")	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 51"	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 62"	NO MOTTLING NO LEDGE NO GROUNDWATER RESTRICTIVE @ 62"
PERCOLATION TEST F	PERCOLATION TEST G	PERCOLATION TEST H	PERCOLATION TEST A	PERCOLATION TEST B	PERCOLATION TEST C	PERCOLATION TEST D	PERCOLATION TEST E	PERCOLATION TEST I
DEPTH: 20" DIAMETER: 12" PRESOAK: 1 HOUR	DEPTH: 21" DIAMETER: 12" PRESOAK: 1 HOUR	DEPTH: 20" DIAMETER: 12" PRESOAK: 1 HOUR	DEPTH: 25" DIAMETER: 12" PRESOAK: 1 HOUR	DEPTH: 23" DIAMETER: 10" PRESOAK: 1 HOUR	DEPTH: 22" DIAMETER: 10" PRESOAK: 1 HOUR	DEPTH: 24" DIAMETER: 10" PRESOAK: 1 HOUR	DEPTH: 26" DIAMETER: 12" PRESOAK: 1 HOUR	DEPTH: 28" DIAMETER: 12" PRESOAK: 1 HOUR
TIME DEPTH DROP 2:05 8" 3" 2:15 13" 3" 2:25 13" 1 1/2" 2:35 14 1/2" 2" 2:45 18" 1 1/2" 2:55 18 1/2" 1 1/2" 3:00 19" 1 1/2"	TIME DEPTH DROP 2:05 17" 2 1/4" 2:20 15 1/2" 1 1/4" 2:25 20 1/2" 1 1/4" 2:35 22" 1 1/2" 2:45 18" 3" 2:55 20 1/4" 3" 3:00 19 1/2" 1 1/2"	TIME DEPTH DROP 2:10 10" 1 1/2" 2:20 12 1/4" 1 3/4" 2:30 13 3/4" 1 1/2" 2:40 14 3/4" 1" 2:50 15 3/4" 1" 3:00 16 3/4" 1" 3:10 17 1/2" 3/4"	TIME DEPTH DROP 11:00 13 1/2" 9" 11:10 16" 2 1/2" 11:20 16" 1 1/4" 11:30 18 1/4" 1" 11:40 20 1/4" 1" 11:50 21 1/4" 1" 12:00 22" 1 3/4" 12:35 18" 2"	TIME DEPTH DROP 11:35 11" 5" 11:55 19 1/2" 3 1/2" 12:05 DRY 3 1/2" 12:15 17" 3 1/2" 12:30 16 1/2" REFILL 12:40 18 1/2" 2" 12:50 20" 1 1/2" 1:00 21 1/2" 1 1/2"	TIME DEPTH DROP 12:05 9 1/4" 5" 12:10 16 1/2" 5" 12:20 19 1/2" 3" 12:30 18 1/2" 1 1/2" 12:40 18 1/2" 1 1/2" 12:50 20" 1 1/2" 1:00 21 1/2" 1 1/2"	TIME DEPTH DROP 12:15 13 1/2" 3 3/4" 12:25 15 1/4" 1 3/4" 1:20 9" REFILL 1:30 19 1/2" 1 1/2" 1:40 23" 3 1/2" 1:50 DRY 3" 1:55 21 1/2" REFILL 2:00 24" 2 1/2"	TIME DEPTH DROP 1:10 16" 6" 1:20 DRY 4" 1:30 9" REFILL 1:40 19 1/2" 1 1/2" 1:50 23" 3 1/2" 2:00 DRY 3" 2:10 21 1/2" REFILL 2:20 24" 2 1/2"	TIME DEPTH DROP 1:10 16" 6" 1:20 DRY 4" 1:30 9" REFILL 1:40 19 1/2" 1 1/2" 1:50 23" 3 1/2" 2:00 DRY 3" 2:10 21 1/2" REFILL 2:20 24" 2 1/2"
DESIGN RATE: 1:10	DESIGN RATE: 1:10	DESIGN RATE: 1:20	DESIGN RATE: 1:10	DESIGN RATE: 1:10	DESIGN RATE: 1:10	DESIGN RATE: 1:10	DESIGN RATE: 1:10	DESIGN RATE: 1:10

NOTE: DEEP TESTS 1 THRU 22 WERE PERFORMED BY MCHORD ENGINEERING ASSOCIATES, INC. ON SEPTEMBER 5, 2020. PERCOLATION TESTS A THRU H WERE PERFORMED BY MCHORD ENGINEERING ASSOCIATES, INC. ON SEPTEMBER 8, 2020. DEEP TEST PITS 1 THRU 22 WERE WITNESSED BY THE WILTON HEALTH DEPARTMENT.

DESIGN CRITERIA (LOT 1):

- PERCOLATION RATE: PT-E = 1:10, PT-F = 1:10
 - DESIGN RATE FOR PRIMARY SYSTEM: 1:10
 - DESIGN RATE FOR RESERVE SYSTEM: 1:10
- MINIMUM LEACHING SYSTEM SPREAD (MLSS):
 - HYDRAULIC FACTOR (HF)
 - HYDRAULIC GRADIENT = 11.5%
 - DEPTH OF RESTRICTIVE LAYER = 52.3" (AVERAGE DT17 THRU 20)
 - HYDRAULIC FACTOR = 14'
 - FLOW FACTOR (FF): 5 BEDROOM = 2.0
 - PERCOLATION FACTOR (PF): 1:10 = 1.0
 - MINIMUM LEACHING SYSTEM SPREAD = 14' x 2.0 x 1.0 = 28'
 - LEACHING SYSTEM SPREAD PROVIDED = 48'
- SYSTEM DESCRIPTION:
 - NUMBER OF BEDROOMS: 5
 - REQUIRED LEACHING AREA: 660 SF @ 14.0 SF/LF = 47.1 LF (PLUS 100% RESERVE)
 - SYSTEM COMPONENTS: 1500 GALLON SEPTIC TANK AND GST 6218.
 - TOTAL FIELDS PROPOSED:
 - PRIMARY SYSTEM: 1 x 48 LF = 48 LF @ 14.0 SF/LF = 672 SF
 - RESERVE SYSTEM: 1 x 48 LF = 48 LF @ 14.0 SF/LF = 672 SF
- DEPTH OF SYSTEM CONTROL: RESTRICTIVE LAYER @ 40" IN DEEP TEST 19 WILL CONTROL THE DEPTH OF THE SYSTEM. ADDITIONAL SOIL TESTING REQUIRED IN SEPTIC SYSTEM LOCATION PRIOR TO CONSTRUCTION. COORDINATE TESTING WITH TOWN OF WILTON HEALTH DEPARTMENT.

DESIGN CRITERIA (LOT 3):

- PERCOLATION RATE: PT-A = 1:10, PT-B = 1:10
 - DESIGN RATE FOR PRIMARY SYSTEM: 1:10
 - DESIGN RATE FOR RESERVE SYSTEM: 1:10
- MINIMUM LEACHING SYSTEM SPREAD (MLSS):
 - HYDRAULIC FACTOR (HF)
 - HYDRAULIC GRADIENT = 20%
 - DEPTH OF RESTRICTIVE LAYER = 48.5" (AVERAGE DT9 THRU 12)
 - HYDRAULIC FACTOR = 10'
 - FLOW FACTOR (FF): 5 BEDROOM = 2.0
 - PERCOLATION FACTOR (PF): 1:10 = 1.0
 - MINIMUM LEACHING SYSTEM SPREAD = 10' x 2.0 x 1.0 = 20'
 - LEACHING SYSTEM SPREAD PROVIDED = 48'
- SYSTEM DESCRIPTION:
 - NUMBER OF BEDROOMS: 5
 - REQUIRED LEACHING AREA: 660 SF @ 14.0 SF/LF = 47.1 LF (PLUS 100% RESERVE)
 - SYSTEM COMPONENTS: 1500 GALLON SEPTIC TANK AND GST 6218.
 - TOTAL FIELDS PROPOSED:
 - PRIMARY SYSTEM: 1 x 48 LF = 48 LF @ 14.0 SF/LF = 672 SF
 - RESERVE SYSTEM: 1 x 48 LF = 48 LF @ 14.0 SF/LF = 672 SF
- DEPTH OF SYSTEM CONTROL: RESTRICTIVE LAYER @ 40" IN DEEP TEST 9 WILL CONTROL THE DEPTH OF THE SYSTEM.

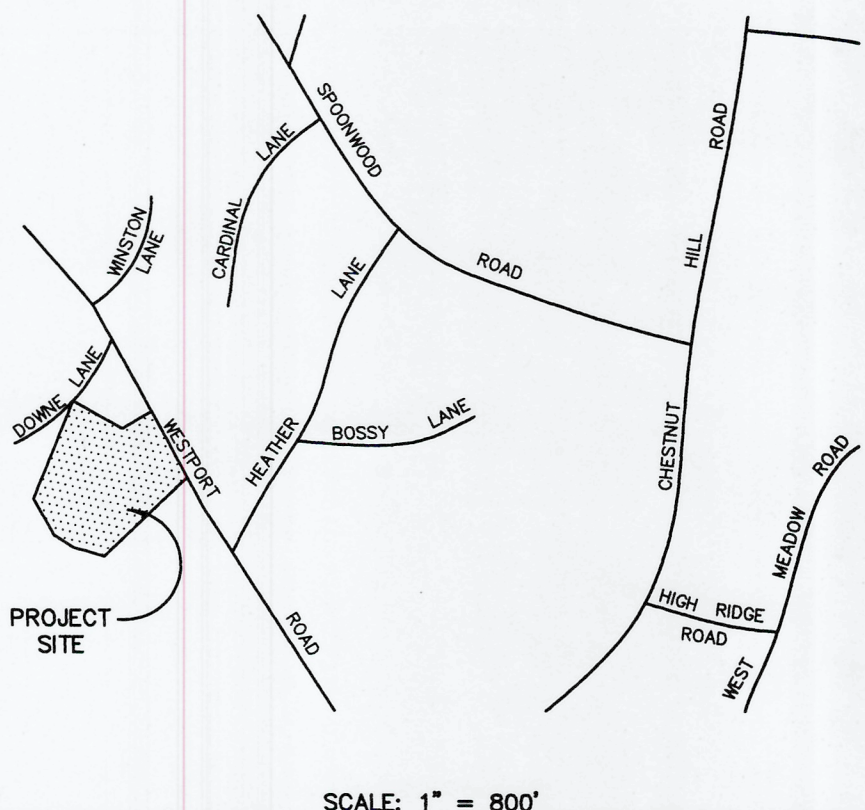
CONSTRUCTION NOTES:

- SUBSURFACE SEWAGE DISPOSAL SYSTEM MATERIALS AND CONSTRUCTION TECHNIQUES SHALL CONFORM TO THE STATE OF CONNECTICUT AND LOCAL HEALTH CODE STANDARDS AND SPECIFICATIONS, AS WELL AS ACCEPTED STANDARDS OF GOOD WORKMANSHIP.
- FINAL INSPECTION AND AS-BUILT DRAWINGS SHALL BE MADE IN ACCORDANCE WITH STATE AND LOCAL CODES. THE DESIGN ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF SYSTEM COMPLETION. INSPECTION OF THE SYSTEM SHALL OCCUR AS SOON AS POSSIBLE TO PREVENT DAMAGE AND IT SHALL BE COVERED WITHIN TWO WORKING DAYS OF THE SANITARIAN'S INSPECTION.
- THE WASTE LINE FROM THE HOUSE/BUILDING TO THE SEPTIC TANK SHALL BE NO LESS THAN 4" DIAMETER CAST IRON PIPE (ASTM A-74) OR A PVC SCHEDULE 40 (ASTM D1785), WITH RUBBER COMPRESSION GASKETS OR SOLVENT WELD JOINTS AND SHALL BE PITCHED WITH A MINIMUM SLOPE OF 1/4" PER FOOT.
- ALL SOLID DISTRIBUTION PIPING SHALL BE TIGHT JOINT 4" DIAMETER PVC (ASTM D3034 SDR 35). THESE LINES SHALL BE UNDISTURBED OR COMPACTED SOIL.
- THE SEPTIC TANK SHALL HAVE A MINIMUM CAPACITY OF 1500/2500 GALLONS AND CONTAIN TWO COMPARTMENTS. THE TANK SHALL BE INSTALLED LEVEL AND BE SET UPON AT LEAST 6" OF CRUSHED STONE OR GRAVEL, AND BE EQUIPPED WITH A 30" RISER SECTION TO GRADE FOR ACCESS. SEPTIC TANKS INDICATED ARE MANUFACTURED BY RICHARD SEPTIC SYSTEMS, INC. OF TORRINGTON, CT. AN EQUIVALENT TANK IS ACCEPTABLE.
- DISTRIBUTION BOXES ARE MODEL DB 4 AS MANUFACTURED BY RICHARD SEPTIC SYSTEMS, INC. OF TORRINGTON, CONNECTICUT. BOXES SHALL BE SET UPON AT LEAST 6" OF CRUSHED STONE OR GRAVEL. EQUIVALENT BOXES ARE ACCEPTABLE.
- THE CONTRACTOR SHALL REMOVE FROM THE AREA OF THE SEPTIC SYSTEM ALL TOPSOIL AND ALL OTHER ORGANIC MATERIALS, TREE TRUNKS, AND DEBRIS, AND SHALL SCARIFY AND MAKE THE EXPOSED SURFACE TO ENSURE A GOOD BOND BETWEEN THE EXISTING SUBSOIL AND THE SELECT FILL.
- SELECT FILL SHALL MEET CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATION M.02.06-1B AS FOLLOWS:

SIEVE	% PASSING
#4	100
#10	70-100
#20	10-50
#40	0-5
#60	0-5
#100	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 #200 SIEVE DOES NOT EXCEED 5%.

THE FILL SHALL ALSO BE ACCEPTABLE TO THE LOCAL HEALTH DEPARTMENT.
- THE FIRST 6" OF SELECT FILL SHALL BE HARROWED INTO THE EXISTING SOIL. THEREAFTER, IT SHALL BE PLACED IN 12" LIFTS AND MECHANICALLY COMPACTED. COMPACTION SHALL BE AT LEAST 90%-95% OF THAT DETERMINED BY A MODIFIED OPTIMUM COMPACTION TEST PERFORMED IN ACCORDANCE WITH ASTM D1557. SELECT FILL SHALL BE PLACED TO A POINT AT LEAST 5" FROM THE EDGE OF THE TRENCH, AND COMMON FILL TO A POINT 10" FROM THE EDGE OF THE TRENCH. IN CASES WHERE THE DEPTH OF FILL EXCEEDS 12" ABOVE THE EXISTING GRADE, THE TRENCH SHALL BE NOTCHED INTO THE EXISTING SOIL AT LEAST 12" AND FILLED WITH SELECT FILL.
- FINAL GRADING, INCLUDING THE 6" TOPSOIL LAYER, SHALL BE COMPLETED AS SOON AS POSSIBLE AFTER FINAL INSPECTION. CARE SHALL BE TAKEN TO PREVENT THE FLOODING OF SURFACE WATER ON OR NEAR ANY PART OF THE SYSTEM.
- PROPOSED SEPTIC SYSTEM LOCATIONS MAY NOT BE SHIFTED WITHOUT OBTAINING WRITTEN PERMISSION FROM THE DESIGN ENGINEER AND LOCAL SANITARIAN.
- NO PART OF THE SEPTIC TANK OR LEACHING TRENCHES SHALL BE WITHIN 75' OF ANY WELL. THERE IS NO APPARENT INTERFERENCE BETWEEN THE WELLS OR SEPTIC SYSTEMS ON ADJACENT PROPERTIES AND THOSE PROPOSED ON THIS PLAN.
- SURFACE AND GROUNDWATER DRAINS SHALL BE PLACED UP GRADIENT AND AT LEAST 25' FROM THE SEPTIC SYSTEM WHEN DRAINS ARE REQUIRED TO BE DOWN GRADIENT. THEY MUST BE AT LEAST 50' FROM THE SEPTIC SYSTEM. ALL DRAINS AND ROOF LEADERS SHALL DISCHARGE AWAY FROM THE SEPTIC SYSTEM.
- SOIL AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS INDICATED ON THE PLAN AND MAINTAINED DURING CONSTRUCTION, UNTIL THE SITE IS STABILIZED.
- THIS DESIGN IS BASED UPON THE USE OF CONVENTIONAL BATHUBS WITH A CAPACITY UNDER 100 GALLONS. IF A LARGER BATH/TOILET IS TO BE INSTALLED THE LEACHING AREA AND SEPTIC TANK SIZES MUST BE INCREASED TO COMPLY WITH SECTION VII.F OF THE TECHNICAL STANDARDS. ADDITIONALLY, THE SYSTEM HAS NOT BEEN DESIGNED TO ACCEPT EFFLUENT FROM WHIRLPOOL BACKWASH, WATER SOFTENER BACKWASH OR GARBAGE DISPOSALS.
- THIS DESIGN IS BASED UPON THE INSTALLATION OF THE SEPTIC SYSTEM IN UNCOMPACTED NATURAL SOIL. ALTHOUGH THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE SITE, THE USE OF HEAVY EQUIPMENT IN THE PROPOSED SEPTIC AREA IS PROHIBITED TO AVOID OVER COMPACTION OF THE NATIVE SOIL.
- THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE. NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
- MCHORD ENGINEERING ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY FOR SEPTIC SYSTEM SITE PREPARATION, LOCATION, OR INVERT ELEVATIONS IN COMPLIANCE WITH THE APPROVED PLAN, UNLESS IT SUPERVISES EACH PHASE OF SYSTEM INSTALLATION.



Orientation

No.	Date	Revisions or Submissions
1	11-18-20	ISSUED FOR MUNICIPAL APPROVAL
2	2-4-21	REVISED AND ISSUED FOR MUNICIPAL APPROVAL

THIS DRAWING AND DETAILS ON IT, AS AN INSTRUMENT OF SERVICE, IS THE PROPERTY OF THE ENGINEER AND MAY BE USED FOR THIS SPECIFIC PROJECT AND SHALL NOT BE LOANED, COPIED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

McChord Engineering Associates, Inc.

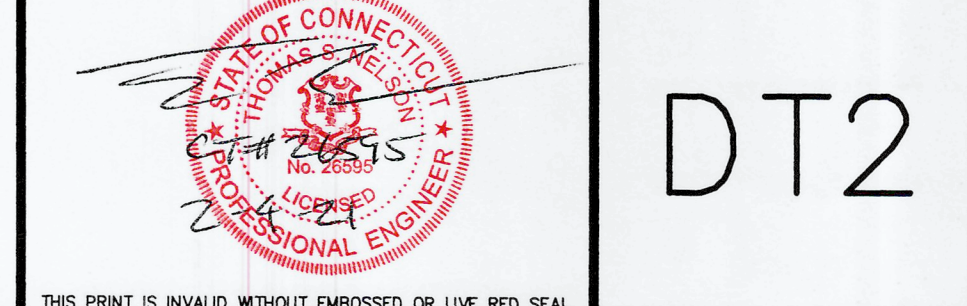
Civil Engineers and Land Planners
1 Grumman Hill Road
Wilton, CT 06897 (203) 834-0569

PLAN PREPARED FOR 183 WESTPORT LLC WILTON, CONNECTICUT

CONSTRUCTION NOTES AND DETAILS 183 WESTPORT ROAD WILTON, CONNECTICUT

JOB NO.: 2140A-1 DATE: NOVEMBER 18, 2020
DRAWN BY: DRS CHECKED BY: HMM, TSN, HMR
SCALE: AS SHOWN

SIGNATURE: DRAWING NO.:



DT2

THIS PRINT IS INVALID WITHOUT EMBOSSED OR LIVE RED SEAL

NOTES:

ANY REPRODUCTION, ALTERATION, OR REPRINTING WITHOUT THE SURVEYOR'S KNOWLEDGE AND APPROVAL, WILL VOID ANY CERTIFICATIONS, AND NO LIABILITY SHALL BE ASSUMED BY THE SURVEYOR FOR THE SAME.

THIS MAP NOT VALID WITHOUT THE SURVEYOR'S LIVE SIGNATURE AND EMBOSSED SEAL.

UNDERGROUND UTILITIES, STRUCTURES, AND FACILITIES NOT FIELD LOCATED. THE SIZE, LOCATION, EXISTENCE OR NON-EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES. CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455.

REFERENCE MADE TO MAPS #369, 1738, 1795, 3024, 3213, 4147, 5000, 5031, AND 5065 OF THE TOWN CLERK'S OFFICE.

ENCROACHMENTS, IF ANY, NOT LOCATED FOR THE PURPOSE OF THIS SURVEY.

THE PURPOSE OF THIS SURVEY IS TO CREATE LOTS 1, 2, 3, & 4.

ADJOINING STRUCTURES AS DIGITIZED FROM THE TOWN OF WILTON GIS MAPPING.
ADJOINING LOT LINES AS DEPICTED ON TOWN OF WILTON GIS AND RECORD MAPS.

"WET AREA" SHOWN ON PROPERTY AT 6 DOWNE LANE AS DIGITIZED FROM TOWN OF WILTON GIS MAP.

LOTS 2 & 3 SUBJECT TO PROPOSED DRIVEWAY EASEMENTS AS SHOWN.

ALL NEW UTILITIES TO BE PLACED UNDERGROUND.

LEGEND		
UTILITY POLE		UT
WELL		W
STONE WALL		SW
DEEP TEST PIT		TP
PERCUSSION TEST HOLE		PTH
IRON PIPE		IP
IRON PIN		IPN
CT. HWY. DEPT. MONUMENT		CHD
FIRE HYDRANT		FH
WATER VALVE		WV
CATCH BASIN		CB
IRON PIPE TO BE SET		IPB

LOT #	EX. BUILDING COVERAGE 10% MAXIMUM	EX. SITE COVERAGE 15% MAXIMUM
1	0%	0%
2	0%	6.6%
3	0%	7.4%
4	8.1%	12.3%

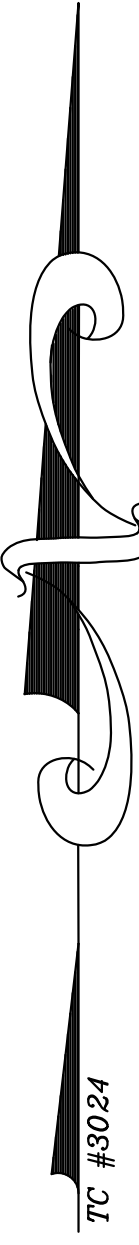
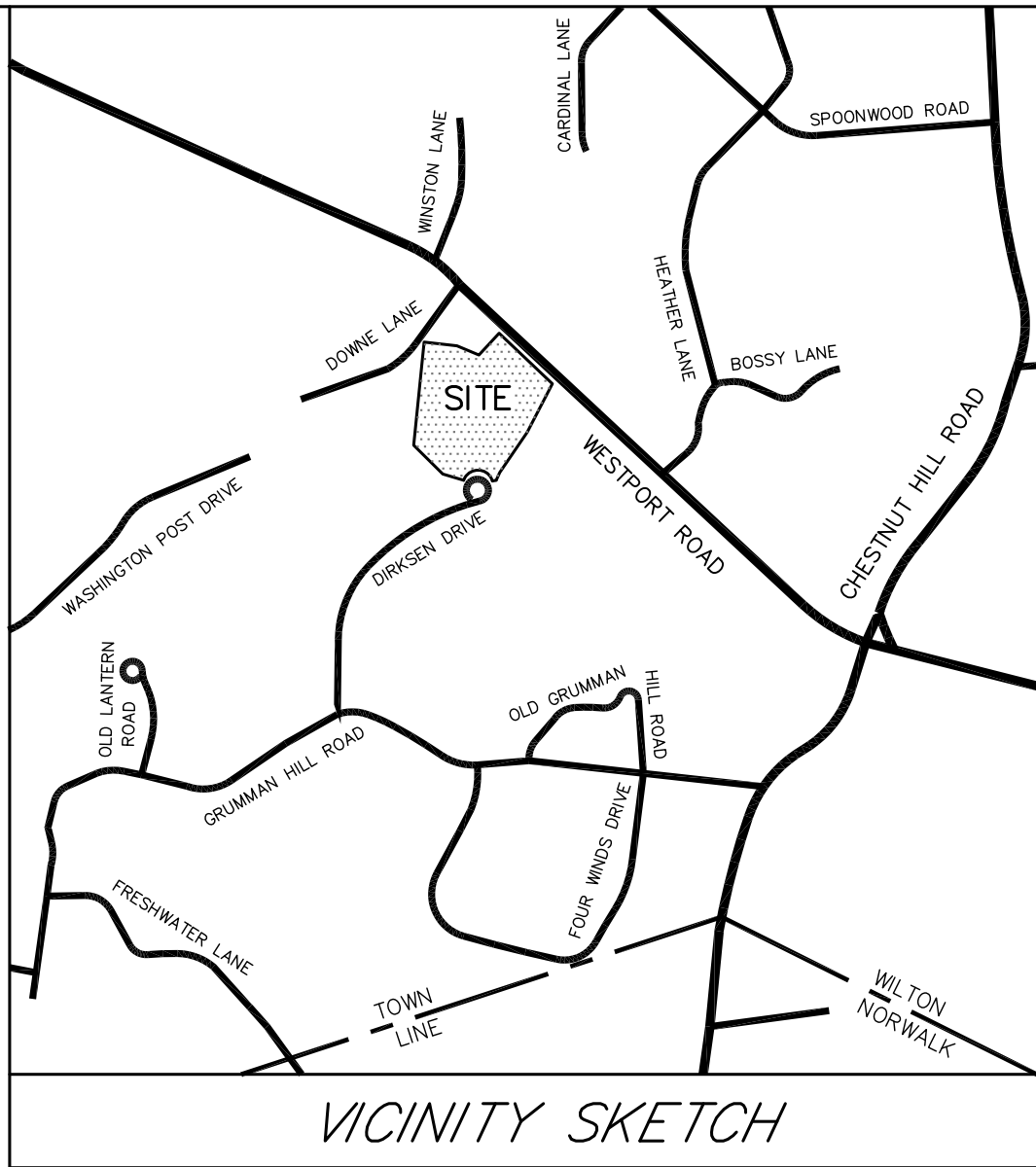
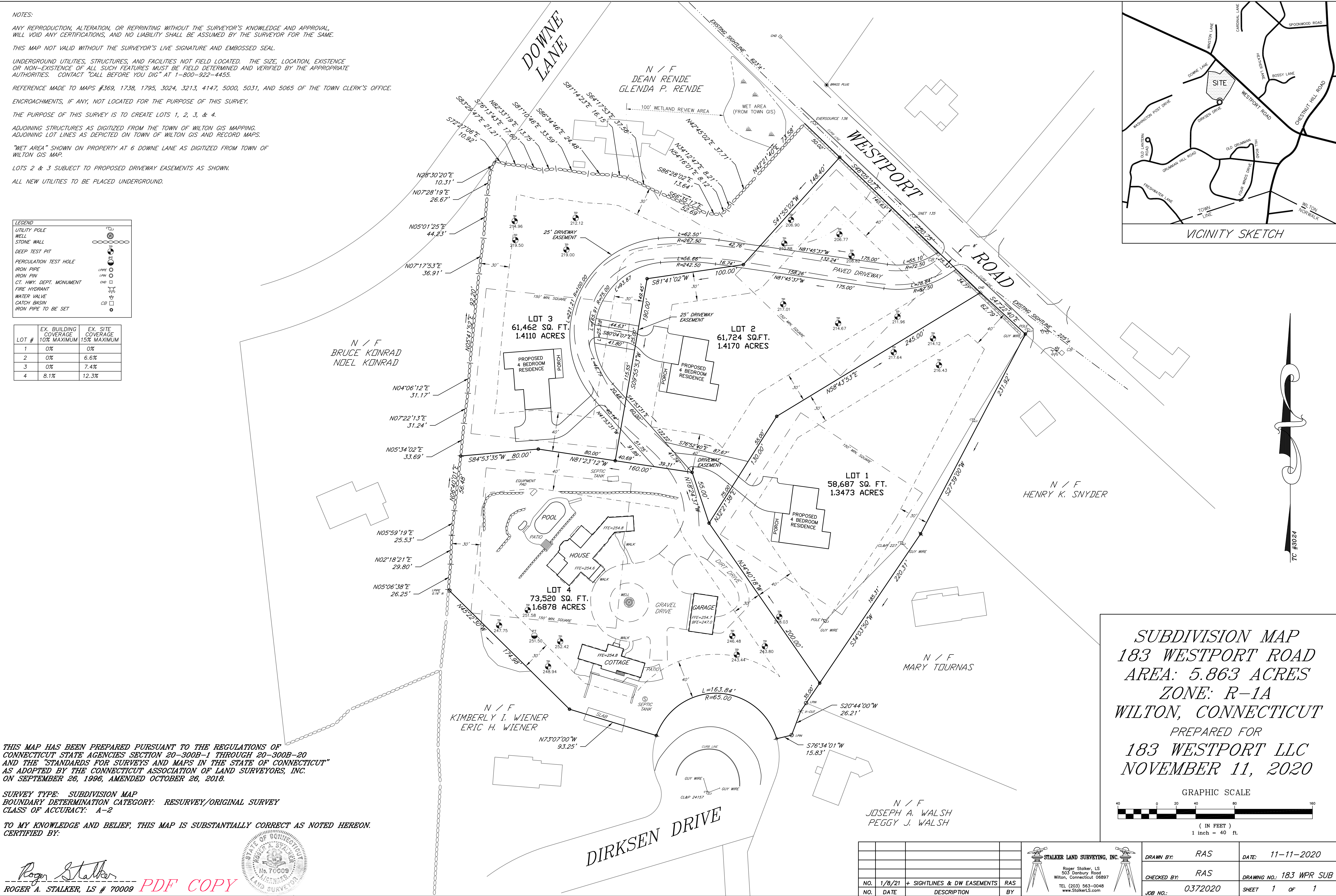
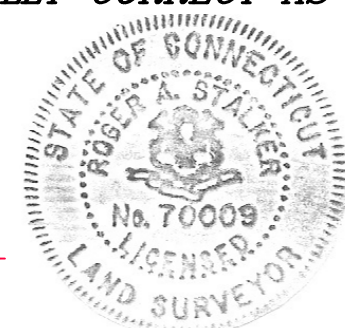
THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996, AMENDED OCTOBER 26, 2018.

SURVEY TYPE: SUBDIVISION MAP
BOUNDARY DETERMINATION CATEGORY: RESURVEY/ORIGINAL SURVEY
CLASS OF ACCURACY: A-2

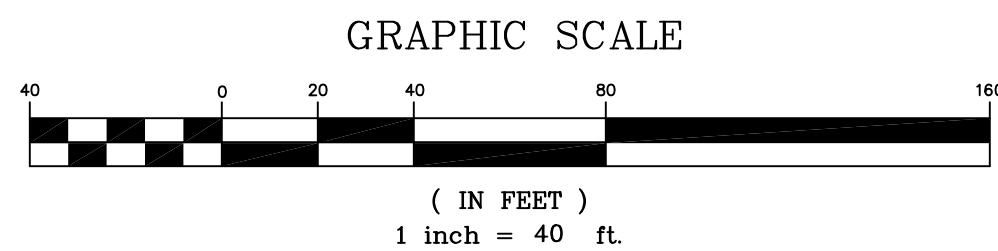
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.
CERTIFIED BY:

ROGER A. STALKER, LS # 70009

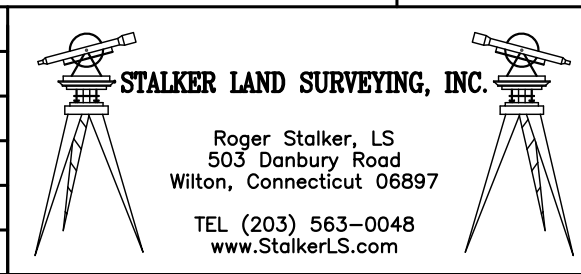
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SUBDIVISION MAP
183 WESTPORT ROAD
AREA: 5.863 ACRES
ZONE: R-1A
WILTON, CONNECTICUT
PREPARED FOR
183 WESTPORT LLC
NOVEMBER 11, 2020



NO.	DATE	DESCRIPTION	BY
1	1/8/21	+ SIGHTLINES & DW EASEMENTS	RAS
2			
3			
4			



DRAWN BY:	RAS	DATE:	11-11-2020
CHECKED BY:	RAS	DRAWING NO.:	183 WPR SUB
JOB NO.:	0372020	SHEET	1 OF 1