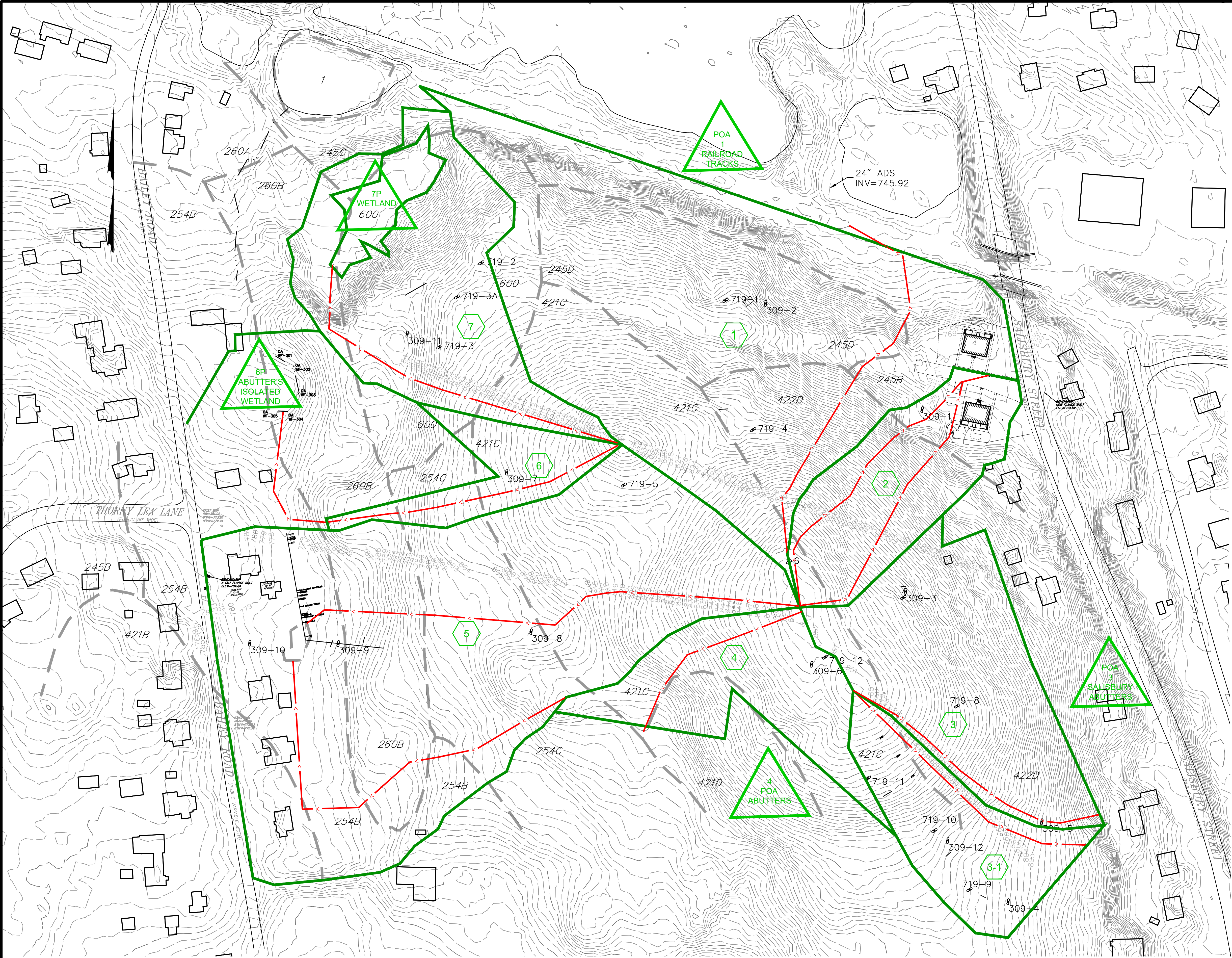




TABULATION OF SOIL TEST PIT DATA								
Analysis for "Pine Tree Woods" Definitive Subdivision - Project No.: 08-364								
Test Pit Number	Surface Elevation	Soil Layer Thickness (in) Ap Bw C	Total Depth	Depth to: (in) Seep Water	Water Elevation			
309-1	776.8	4 0 116	120	120 120	766.80			
309-2	788.5	6 14 100	120	120 120	778.50			
309-3	832.9	7 15 98	120	120 120	822.90			
309-4	807.1	5 19 96	120	108 120	797.10			
309-5	803.3	8 16 108	132	132 132	792.30			
309-6	850.3	6 16 104	126	126 126	839.80			
309-7	812.1	7 13 100	120	120 120	802.10			
309-8	804.9	6 14 108	128	120 128	794.23			
309-9	779.5	7 11 78	96	54 54	775.00			
309-10	779.2	6 16 84	106	84 92	771.53			
309-11	783.7	13 31 58	102	52 52	779.37			
309-12	817.3	7 13 112	132	132 132	806.30			

TESTING PERFORMED BY DENIS J. MCLAUGHLIN III, WITNESSED BY JAMES ZINGARELLI, P.E.

Soil testing performed on July 25, 2019 from 9:00 am to 5:00 pm on Holden Pine Tree Estates by William Murray, SE 1721 and witnessed by Patrick Wood, P.E., Holden DPW

Test Hole 719-1
0'-12" A: 10YR 3/2; roots 20%; Fine Sandy Loam
12'-36" B: 10YR 4/6; roots <10%; Fine Sand
36'-8" C: 10YR 6/3; roots <5%; Fine Medium Sand
8'-12" C: 10YR 6/3; Medium-Coarse Sand; 5% gravel, 5% cobbles, most restrictive
No refusal @ 12'
No water observed
Redox @ 8' high & low chroma, ESHWT=8

Test Hole 719-2
0'-12" A: 10YR 3/2; roots 40%; Fine Loamy Sand; Loose in place
12'-40" B: 10YR 5/8; roots <20%; Fine Sandy Loam; 5% gravel, 5% cobbles
40'-12" C: 10YR 6/3; roots <5%; Medium-Coarse Sand; 10% gravel, 10% cobbles, 5% stones
No refusal @ 12'
No water observed
No Redox observed - loamy sand and gravel

Test Hole 719-3
0'-8" A: 10YR 3/2; roots 40%; Fine Loamy Sand; Loose in place
8'-4" B: 10YR 5/8; roots <20%; Fine Sandy Loam; 5% gravel, 5% cobbles
4'-14" C: 10YR 6/3; Medium-Coarse Sand; 5% gravel, 5% cobbles, 5% stones, 10% boulders
No refusal @ 14'
No water observed
No Redox observed - loamy sand and gravel

Test Hole 719-3A
0'-18" A: 10YR 3/4; roots <30%; Fine Sandy Loam
18'-30" B: 10YR 5/8; roots <20%; Fine Loamy Sand; 5% gravel, 5% cobbles
30'-12" C: 10YR 6/3; Medium-Coarse Sand; 5% gravel, 5% cobbles, 5% stones, 5% boulders
No refusal @ 12'
No water observed
No Redox observed - loamy sand and gravel

Test Hole 719-4
0'-8" A: 10YR 2/2; roots 20%; Fine Sandy Loam
8'-30" B: 10YR 5/8; roots 10%; Fine Sandy Loam; 5% gravel, 5% cobbles, Firm in place
30'-12" C: 10YR 6/3; Sandy Loam-Loamy Sand; 5% gravel, 5% cobbles, Firm in place
No refusal @ 12'
No water observed
Redox @ 5' high & low chroma, ESHWT=6
Estimated Perc Rate = 10 mm/hr

Test Hole 719-10
0'-6" A:
6'-24" B: 7.5YR 4/6; Fine Sandy Loam; boulders
24'-10" C: dense basal till, Fine Sandy Loam
No refusal @ 10'
No water observed
Redox @ 5'; ESHWT=5'

Test Hole 719-11
0'-6" A:
6'-30" B: 7.5YR 4/6; Fine Sandy Loam
30'-8" C: 10YR 5/2; dense till; 5% gravel, 5% cobbles; sub-angular block
No refusal @ 8'
No water observed
Redox @ 55' high & low chroma, ESHWT=65'

Test Hole 719-12
0'-6" A: Fine Sandy Loam
6'-24" B: 7.5YR 5/6; Fine Sandy Loam
24'-5" C: 10YR 5/3; Fine-Medium Sand
5'-15" C: 2.5Y 5/2; dense till; sub-angular block; 5% gravel, 5% cobbles
No refusal @ 15'
No water observed
Redox @ 5' high & low chroma, ESHWT=5'

Test Hole 719-5
0'-10" A: 10YR 2/2; roots 20%; Fine Sandy Loam
10'-24" B: 10YR 4/4; Fine Sandy Loam
24'-15" C: 10YR 5/2; Sandy Loam; 5% gravel, 5% cobbles; Firm in place, sub-angular block
No refusal @ 15'
No water observed
Redox @ 10' high chroma, ESHWT=10'
Estimated Perc Rate 20 mm/hr

Test Hole 719-6
0'-3" C:
3'-6" A: 7.5YR 3/2; roots <20%; Fine Loamy Sand
6'-30" B: 7.5YR 5/6; Fine Sandy Loam
30'-14" C: 10YR 5/4; Sandy Loam; 5% gravel, 5% cobbles, Firm in place
No refusal @ 16'
No water observed
Redox @ 9' high & low chroma, ESHWT=6'

Test Hole 719-7
0'-10" A: 10YR 2/2; Fine Sandy Loam
10'-36" B: 7.5YR 5/6; Fine Sandy Loam
36'-14" C: 10YR 5/2; Sandy Loam
No refusal @ 14'
No water observed
Redox @ 5'; ESHWT=5'

Test Hole 719-8
0'-10" A: 10YR 2/2; Fine Sandy Loam
10'-32" B: 7.5YR 5/6; Fine Sandy Loam
32'-7" C: 10YR 5/3; Fine-Medium Sand
7'-14" C: 2.5Y 5/2; Dense Till; 5% gravel, 5% cobbles; sub-angular block
No refusal @ 14'
No water observed
Redox @ 7'; ESHWT=7'

Test Hole 719-9
0'-6" A:
6'-24" B: 7.5YR 5/3; Fine-Medium Sand
24'-6" C: dense basal till
6'-8" C: dense basal till
No refusal @ 8'
No water observed
Redox @ 4' high chroma, ESHWT=4'



BAR SCALE
1"=80'
CHECK GRAPHIC SCALE BEFORE USING

SALISBURY PINE TREE ESTATES PREDEVELOPMENT DRAINAGE AREAS PLAN

LOCATION: Salisbury St., Pine Tree & Bailey Rds
TOWN: HOLDEN, MASSACHUSETTS

PREPARED FOR:

Holden Pine Tree, LLC

SCALE: 1"=80'

DATE: OCT. 2019

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PROJECT No.: 7602

PRE

NCRS SOILS LEGEND

- 1 WATER
- 245 HINKLEY SANDY LOAM
- 254 MERRIMAC FINE SANDY LOAM
- 260 SUDBURY FINE SANDY LOAM
- 421 CANTON FINE Sandy loam
- 422 CANTON FINE SANDY LOAM
- 600 GRAVEL PITS

310 SUBCATCHMENT

310 POND

Tc PATH

REVISION NOTE:
1-18-2021 GENERAL REVISION
5-25-2021 GENERAL REVISION
8-11-2021 NO REVISION THIS SHEET