

## SURVEY NOTES

- UNMANNED AERIAL SYSTEM (UAS) FLIGHT PERFORMED BY MILONE AND MACBROOM, INC. (MMI) ON OCTOBER 25, 2019.
- TOPOGRAPHIC CONTOURS AT 0.2-FOOT INTERVALS BASED UPON ORTHOPHOTOGRAMMETRIC IMAGERY FROM UAS FLIGHT. GROUND CONTROL POINTS WERE LOCATED BY MMI SURVEY CREWS ON OCTOBER 28, 2019.
- SITE FEATURES, PROPERTY BOUNDARIES, AND UTILITIES LOCATED FROM SURVEY FILE PROVIDED BY TOWN OF LONGMEADOW ENGINEERING DEPARTMENT DATED NOVEMBER 2018.
- ALL CONTOUR ELEVATIONS PRESENTED IN FEET AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- NORTH ORIENTATION AND COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 EAST (NAD83).
- ELEVATION DATA REFLECTED ON THIS MAP ARE FOR INFORMATIONAL PURPOSES ONLY. THE DATA COLLECTED SUBSTANTIALLY REFLECTS THE SITE CONDITIONS AT THE TIME THE FLIGHT WAS PERFORMED, BUT THE ACCURACY OF ELEVATION DATA CANNOT BE CERTIFIED TO COMMONWEALTH OF MASSACHUSETTS VERTICAL CONTROL SPECIFICATIONS AT ALL LOCATIONS ON THE MAP. VEGETATIVE COVER, WATER, DEBRIS, AND OTHER FACTORS MAY IMPACT THE ACCURACY OF ELEVATION DATA. FIELD-VERIFICATION OF DATA IS REQUIRED PRIOR TO USE FOR ANY ANTICIPATED CONSTRUCTION.
- BORDERING VEGETATED WETLAND (BVW) BOUNDARY DELINEATED BY MMI REGISTERED SOIL SCIENTISTS ON MARCH 4, 2020. BVW BOUNDARY FLAGS EAST OF PROJECT SITE AND WITHIN EVERSOURCE RIGHT OF WAY DELINEATED BY OTHERS AND SURVEYED BY MMI REGISTERED SOIL SCIENTISTS

## SURVEY LEGEND

- APPROXIMATE PROPERTY LINE
- ABUTTER PROPERTY LINE
- LIMIT OF TREE CANOPY
- BOUNDARY BETWEEN WOODS/LAWN
- MAJOR CONTOUR
- MINOR CONTOUR
- CHAIN LINK FENCE
- LIMIT OF GRAVEL/MILLINGS
- STORM PIPE
- GAS LINE
- OVERHEAD WIRES
- SANITARY SEWER
- WATER LINE
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- CATCH BASIN
- UTILITY POLE
- HYDRANT
- SIGN
- TEST PIT LOCATION
- WATER VALVE
- LIGHT POLE
- BOLLARD
- IRON PIPE

## REMOVALS LEGEND

- REMOVE SITE FEATURE
- REMOVE CHAIN LINK FENCE
- REMOVE BOLLARD
- GRAVEL PARKING TO BE OVERLAID WITH MILLING
- GRAVEL PARKING TO REMOVE, STOCKPILE AND USE AT PROPOSED GRAVEL PARKING
- TREE CLEARING LIMITS
- EXCESS GRAVEL TO BE STOCKPILED FOR REUSE ON SITE
- REMOVE DIRT PATH

## TENNESSEE GAS PIPE TEST PIT DATA

TEST PIT NUMBER & PIPE DIAMETER	EXISTING DEPTH TO TOP OF PIPE (INCHES)
GTP-01 24" STEEL	49"
GTP-02 30" STEEL	58"
GTP-03 24" STEEL	46"
GTP-04 30" STEEL W/CONC.	50"

GRAVEL BORROW TYPE B OR EXISTING GRAVEL SHALL BE ADDED ALONG THE FRONTAGE PARKING LOT PER THE GRADING PLANS. 60" MIN. COVER OF GAS PIPE IS REQUIRED, SEE TEST PIT LOG ABOVE AND GRADING PLANS.

## TEST PIT DATA RECORD

TEST PIT NO.	From	To	Description of Soils
TP-1	0.0'	0.5'	Topsoil & clay infield
	0.5'	1.3'	Topsoil
	1.3'	2.3'	Fine brown silty sand (sample taken)
	2.3'	6.0'	Gray sand
			No signs of mottling

TEST PIT NO.	From	To	Description of Soils
TP-2	0.0'	1.0'	Topsoil (sample taken)
	1.0'	2.0'	Fine brown silty sand
	2.0'	6.0'	Gray sand, silt
			Mottling observed 2.0' and below, groundwater at 5.0'

TEST PIT NO.	From	To	Description of Soils
TP-3	0.0'	1.0'	Topsoil
	1.0'	2.4'	Fine brown silty sand
	2.4'	3.0'	Brown sand (sample taken)
	3.0'	6.5'	Moist gray sand
			Mottling observed w/ rustline at 3.0', saturated soils 3.0' and below

TEST PIT NO.	From	To	Description of Soils
TP-4	0.0'	0.8'	Topsoil (sample taken)
	0.8'	1.8'	Fine brown silty sand
	1.8'	4.8'	Gray sand
	4.8'	6.75'	Saturated fine gray sand
			Mottling and groundwater observed

TEST PIT NO.	From	To	Description of Soils
TP-5	0.0'	1.0'	Topsoil (sample taken)
	1.0'	2.5'	Fine brown silty sand
	2.5'	6.0'	Fine gray sand
			Some signs of mottling around 5.5', moist soil at bottom of test pit

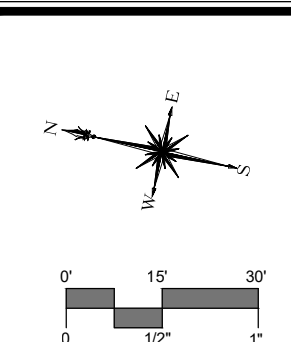
TEST PIT NO.	From	To	Description of Soils
TP-6	0.0'	0.8'	Topsoil (depth varies, sample taken)
	0.0'	2.0'	Fine brown silty sand (depth varies from 1.2'-2.0')
	2.0'	5.0'	Gray sand
	5.0'	7.0'	Saturated gray sand
			Groundwater found at 5.0'

TEST PIT NO.	From	To	Description of Soils
TP-7	0.0'	0.8'	Topsoil
	0.8'	1.5'	Fine brown silty sand
	1.5'	1.8'	Clay (sample taken)
	1.8'	3.1'	Fine brown sand
	3.1'	4.0'	Fine gray sand
	4.0'	7.0'	Saturated fine gray sand
			Mottling at 3.1' with rust line at 4.0', groundwater at 4.5'

TEST PIT NO.	From	To	Description of Soils
TP-8	0.0'	1.0'	Topsoil (sample taken)
	1.0'	2.3'	Fine brown silty sand
	2.3'	7.0'	Gray sand
			Mottling found at 2.3', groundwater observed at 5.5'

TEST PIT NO.	From	To	Description of Soils
TP-9	0.0'	1.3'	Topsoil (sample taken)
	1.3'	2.5'	Fine brown silty sand
	2.5'	3.3'	Brown sand
	3.3'	5.0'	Gray sand
	5.0'	7.0'	Saturated gray sand
			Mottling rust line at 3.3', no groundwater observed but soil saturated below 5.0'

TEST PIT NO.	From	To	Description of Soils
TP-10	0.0'	0.5'	Infield clay mix
	0.5'	1.3'	Topsoil (sample taken)
	1.3'	2.3'	Fine brown silty sand (sample taken)
	2.3'	5.0'	Gray sand
	5.0'	6.0'	Saturated gray sand
			Slight mottling in gray sand, groundwater at 5.0'



DESCRIPTION	DATE	BY

SITE PLAN - EXISTING CONDITIONS AND REMOVALS  
WOLF SWAMP PARK  
RENOVATION OF THE ATHLETIC FIELDS  
735 LONGMEADOW STREET  
LONGMEADOW, MASSACHUSETTS

MEW DESIGNED	MEW DRAWN	JJH CHECKED
1"=30'		
JUNE 30, 2020		
PROJECT NO. 6213-05		
DATE		
02 OF 21		
SHEET NO.		
EX-1		
SHEET NAME		