GENERAL UTILITY NOTES: THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION O EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF AL PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSEI CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS NECESSARY FOR THE WORK.

UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.

DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL BURIED UTILITIES. THE "AS-BUILT" RECORDS SHALL BE PROVIDED TO THE DESIGN ENGINEER AT THE COMPLETION OF THE PROJECT.

DEMOLITION NOTES:

- ALL MATERIALS REMOVED FROM THE PREMISES SHALL BE DONE SO IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS FOR HAULING AND DISPOSAL
- COORDINATE ANY UTILITY DISCONNECTIONS WITH APPROPRIATE SERVICE PROVIDERS.
- ALL TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. AVOID HEAVY MACHINERY WITHIN ROOT BALL AREAS.

- WATER AND SEWER NOTES:

 1. THE ONSITE SEWAGE DISPOSAL SYSTEM DESIGN SHALL BE APPROVED BY THE TOPSFIELD BOARD OF
- A MINIMUM OF 10 FEET CLEAR HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN SANITARY SEWER PIPES AND WATER PIPES UNLESS CONDITIONS PREVENT A LATERAL SEPARATION OF LESS THAN 10 FEET. WHERE SANITARY SEWERS CROSS WATER SERVICES OR A MINIMUM OF 1 FEET LATERAL SEPARATION CANNOT BE ACHIEVED THE WATER PIPE SHALL BE SLEEVED IN PVC FOR A MINIMUM DISTANCE OF 10 FEET FROM THE CROSSING POINT OF THE SEWER PIPE AND SEALED AT EACH END.
- ALL GRAVITY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SCH40 UNLESS OTHERWISE NOTED.
- WATER SERVICE CONNECTIONS SHALL HAVE A MINIMUM 5' OF COVER TO PREVENT FREEZING. THE TOPSFIELD WATER DEPARTMENT SHALL BE NOTIFIED PRIOR TO WATER SERVICE INSTALLATION.

<u>STORM DRAIN NOTES:</u>

- BACKFILL SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY BY AASHTO T-180D METHOD.
- SHEETING, IF USED, SHALL BE REMOVED PRIOR TO BACKFILLING TRENCH.
- UNSUITABLE SOIL BELOW THE INVERT SHALL BE REMOVED AND REPLACED WITH APPROVED MATERIAL AND SHALL NOT BE USED AS BACKFILL.
- UNSUITABLE MATERIALS SHALL BE REMOVED FROM BENEATH THE INFILTRATION BASIN AND CHAMBER SYSTEM AND REPLACED WITH CLEAN, GRANULAR FILL MEETING THE ASTM C33 SPECIFICATIONS (CONCRETE SAND).

Planting Notes:

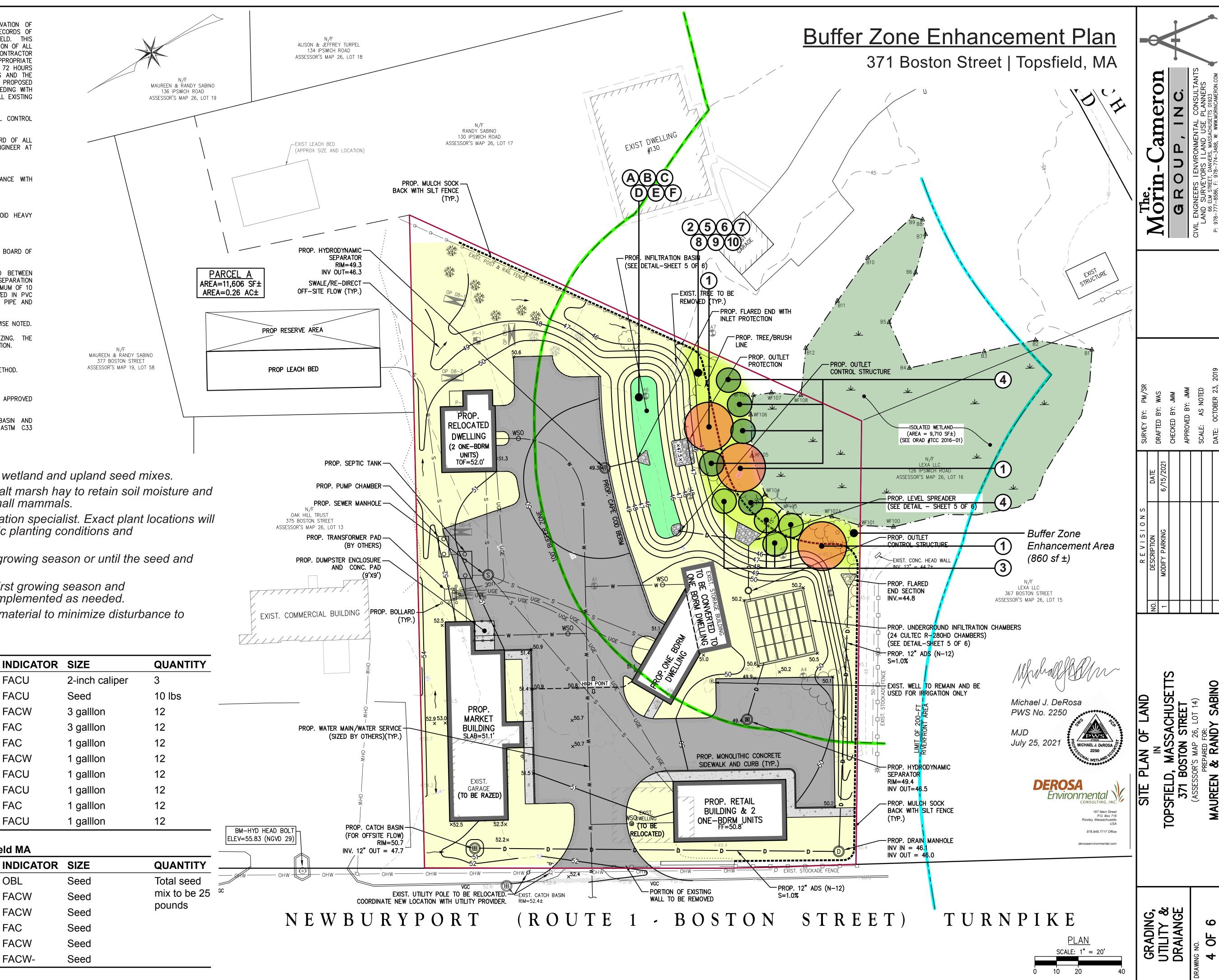
- 1. Disturbed soils will be planted with our custom wetland and upland seed mixes.
- 2. The entire planted area is to be covered with salt marsh hay to retain soil moisture and protect against seed predation by birds and small mammals.
- 3. Plants to be distributed by an ecological restoration specialist. Exact plant locations will be determined in the field based on site-specific planting conditions and micro-topography.
- 4. The new plantings will be irrigated for one full growing season or until the seed and plant material is established.
- 5. Monthly inspections will be conducted for the first growing season and treatment/removal of invasive species will be implemented as needed.
- 6. Care is to be taken in removing invasive plant material to minimize disturbance to existing native plant species.

Proposed Plant List | 371 Boston Street Topsfield MA

ID	COMMON NAME	BOTANICAL NAME	INDICATOR	SIZE	QUANTITY
1	Sugar Maple	Acer saccharum	FACU	2-inch caliper	3
2	Red Fescue	Festuca rubra	FACU	Seed	10 lbs
3	Highbush Blueberry	Vaccinium corymbosum	FACW	3 galllon	12
4	Shadbush	Amelanchier canadensis	FAC	3 galllon	12
5	Sheep Laurel	Kalmia angustifolia	FAC	1 galllon	12
6	New England Aster	Symphyotrichum novae-angliae	FACW	1 galllon	12
7	Pink Tickseed	Coreopsis rosea	FACU	1 galllon	12
8	Little Bluestem	Schizachyrium scoparium	FACU	1 galllon	12
9	Switchgrass	Panicum virgatum	FAC	1 galllon	12
10	Rough Goldenrod	Solidago rugosa	FACU	1 galllon	12

Proposed Basin Plant List | 371 Boston Street Topsfield MA

ı	ID	COMMON NAME	BOTANICAL NAME	INDICATOR	SIZE	QUANTITY
ı	A	Soft Rush	Juncus effusus	OBL	Seed	Total seed
ı	В	Sensitive Fern	Onoclea sensibilis	FACW	Seed	mix to be 2
ı	C	Riverbank Wildrye	Elymus riparius	FACW	Seed	pounds
ı	D	Rough Bentgrass	Agrostis scabra	FAC	Seed	
ı	E	Fowl Bluegrass	Poa palustris	FACW	Seed	
	F	Virginia Wildrye	Elymus virginicus	FACW-	Seed	
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PROJ. #2669