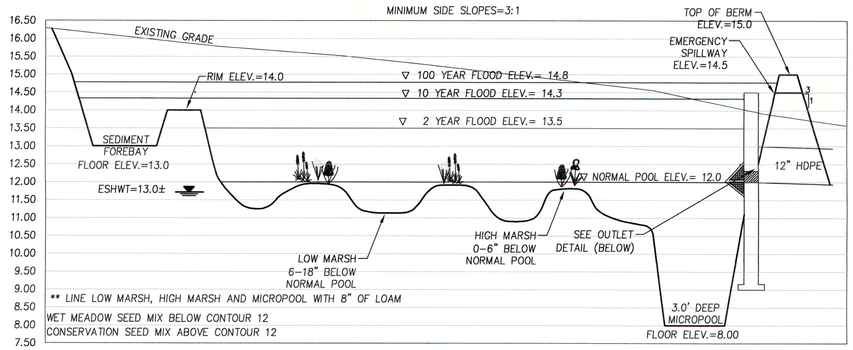
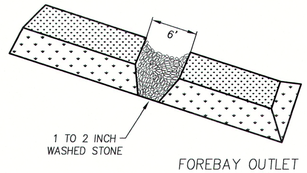


CONSTRUCTED WETLAND #1
PROFILE VIEW

HORIZ. SCALE: N.T.S.
VERT. SCALE: 1"=2'



FOREBAY OUTLET

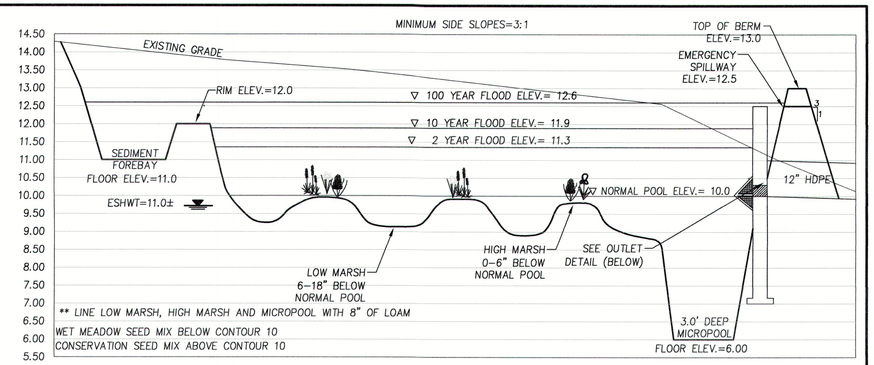
VOLUME OF SEDIMENT FOREBAY

	IMPERVIOUS AREA (ACRES)	VOLUME (CU. YD)	VOLUME (CU. FT)	DIMENSIONS (L x W x H)	OUTLET LENGTH
FOREBAY #1	2.33	31.3	846	30'x30'x1.0'	6.0'
FOREBAY #2	1.05	14.1	381	20'x20'x1.0'	6.0'

CROSS–SECTION

SEDIMENT FOREBAY
DETAIL

N.T.S.

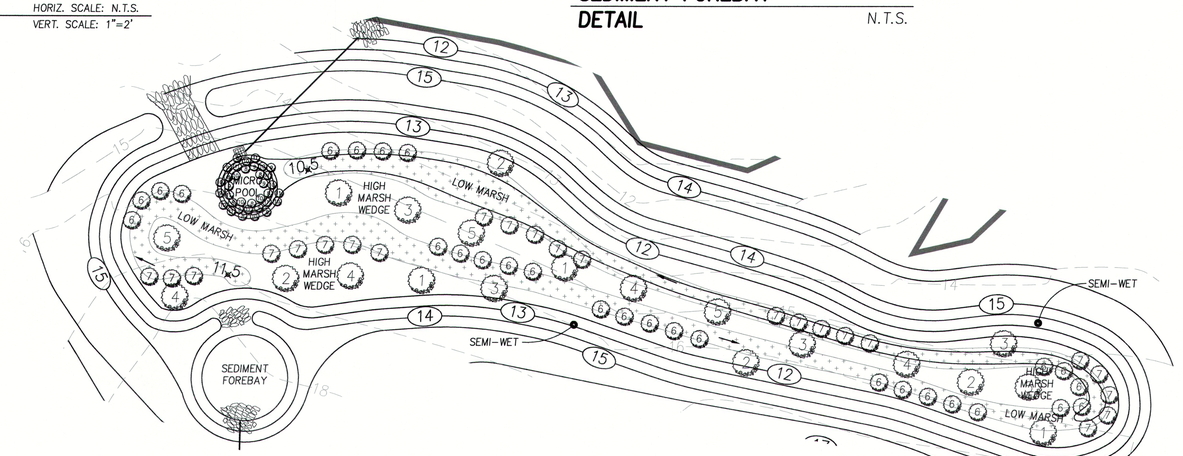


CONSTRUCTED WETLAND #2
PROFILE VIEW

HORIZ. SCALE: N.T.S.
VERT. SCALE: 1"=2'

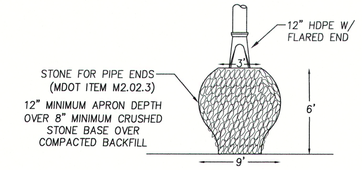
GENERAL NOTES FOR CONSTRUCTED WETLANDS:

1. WETLAND BERMS SHALL BE CONSTRUCTED OF FILL MATERIAL FREE OF ROOTS, STUMPS, WOOD, RUBBISH, STONES GREATER THAN 6", OR OTHER OBJECTIONABLE MATERIALS. FILL MATERIAL FOR THE CENTER OF THE BERM SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION GC, SC, CH, OR CL AND HAVE AT LEAST 30% PASSING THE #200 SIEVE. MATERIALS USED IN THE OUTER SHELL OF THE BERMS SHALL BE CAPABLE OF SUPPORTING THE VEGETATION SPECIFIED ON THE PLANS.
2. FILL MATERIALS SHALL BE PLACED IN MAXIMUM 8–INCH LIFTS AND COMPACTED WITH A MINIMUM REQUIRED DENSITY OF NOT LESS THAN 95% OF MAXIMUM DRY DENSITY.
3. PRIOR TO FILL MATERIAL INSTALLATION, ALL TOPSOIL, SUBSOIL, AND UNSUITABLE MATERIAL (i.e. LEDGE) SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
4. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL OUTSIDE SLOPES OF STORMWATER BASINS. MATTING SHALL BE A WOVEN JUTE MESH MANUFACTURED BY MACCAFERRI COMPANY, OR APPROVED EQUAL.
5. ALL PIPING WITHIN CONSTRUCTED WETLAND BERMS SHALL INCLUDE ANTI–SEEPAGE COLLARS.



CONSTRUCTED WETLAND #1
LAYOUT

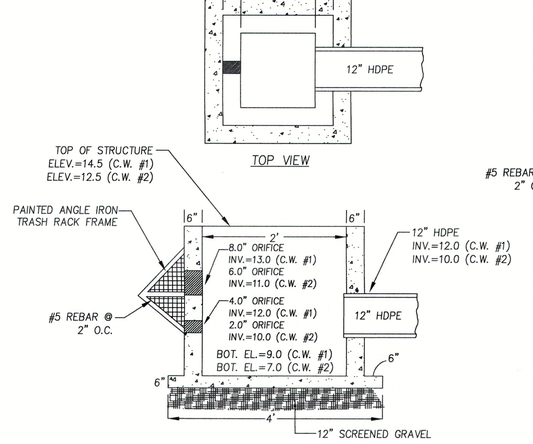
HORIZ. SCALE: 1"=20'

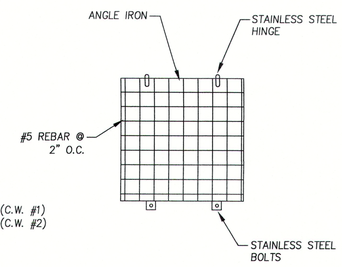


NOTE: GEOSYNTHETIC EROSION CONTROL MAT SHALL BE UNDER ALL RIP–RAP

TYPICAL RIP–RAP
APRON DETAIL

N.T.S.



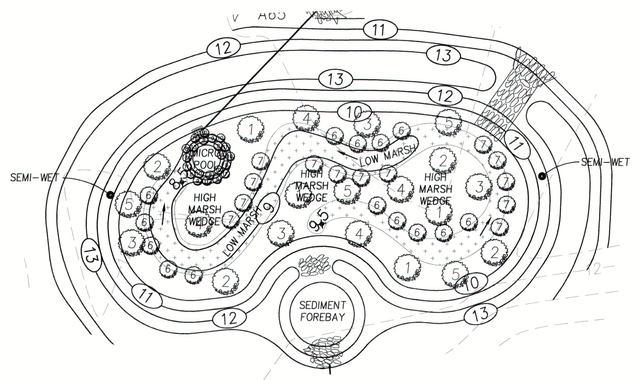


NOTE:

1. ANY EXPOSED REBAR SHALL BE COATED WITH A RUST–RESISTANT PAINT.

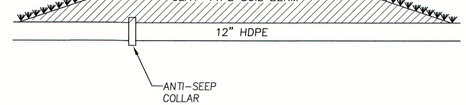
OUTLET STRUCTURE
DETAIL

N.T.S.



CONSTRUCTED WETLAND #2
LAYOUT

HORIZ. SCALE: 1"=20'



CONSTRUCTED WETLAND
BERM DETAIL

N.T.S.

CONSTRUCTED WETLAND PLANT LIST

SYMBOL	COMMON NAME	LATIN NAME	HEIGHT	NUMBER	ZONE
1	SWEET PEPPERBUSH	CLETHRA ALNIFOLIA	3–4'	4	HIGH MARSH/SLOPE
2	NORTHERN ARROWWOOD	VIBURNUM DENTATUM	3–4'	4	HIGH MARSH/LOWER SLOPE
3	WINTERBERRY HOLLY	ILEX VERTICILLATA	3–4'	4 (INCL. 1 MALE)	HIGH MARSH
4	HIGHBUSH BLUEBERRY	VACCINIUM CORYMBOSUM	3–4'	4	HIGH MARSH/LOWER SLOPE
5	RED–OSIER DOGWOOD	CORNUS SERICEA	3–4'	4	HIGH MARSH/LOWER SLOPE
9	BLUE FLAG IRIS	IRIS VERSICOLOR	2" PLUGS	20	HI MARSH/LO MARSH BORDER
7	CARDINAL FLOWER	LOBELIA CARDINALIS	2" PLUGS	20	EDGE HI MARSH/LO MARSH INTO HIGH MARSH
8	SOFT–STEM BULRUSH	SCHOENOPLECTUS TABERNAEMONTANI	2" PLUGS	15	LO SLOPE/MICROPOOL EDGE
9	GREEN BULRUSH	SCIRPUS ATROVIRENS	2" PLUGS	15	MID/LOWER MICROPOOL SLOPE
10	CHAIRMAKER'S BULRUSH	SCHOENOPLECTUS (SCIRPUS) AMERICANUS	2" PLUGS	15	MID/LOWER MICROPOOL SLOPE
11	SWEETFLAG	ACORUS AMERICANUS	2" PLUGS	15	MID/LOWER MICROPOOL SLOPE

COMMONWEALTH OF MASSACHUSETTS — CHRISTOPHER M. YORK — CIVIL — No. 49181 — REGISTERED PROFESSIONAL ENGINEER — 6-17-21

PREPARED FOR

6 FOREST ROAD LLC
71 COMMERCIAL STREET, #263
BOSTON, MA 02109

NO.	DATE	DESCRIPTION	BY
3	6/17/21	ADDRESS REVIEWER'S COMMENTS	C.M.Y.
2	6/10/21	ADDRESS REVIEWER'S COMMENTS	C.M.Y.
1	4/12/21	ADDRESS REVIEWER'S COMMENTS	C.M.Y.

MEI

MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463–8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778–0528

SCALE: AS NOTED | DESG. BY: C.M.Y.
DATE: OCT. 26, 2020 | CHKD. BY: E.W.B.
PROJECT: M193659

SITE PLAN
IN
SALISBURY, MA
SHOWING
56 UNIT TOWNHOUSE COMMUNITY
AT
10 FOREST ROAD & MEADOWVIEW LANE

DRAINAGE DETAILS

SHEET: C–13

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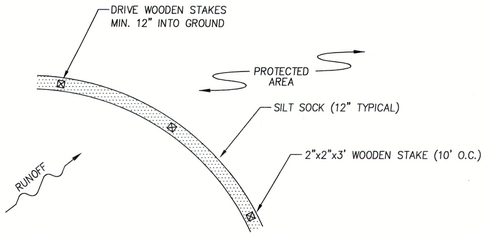
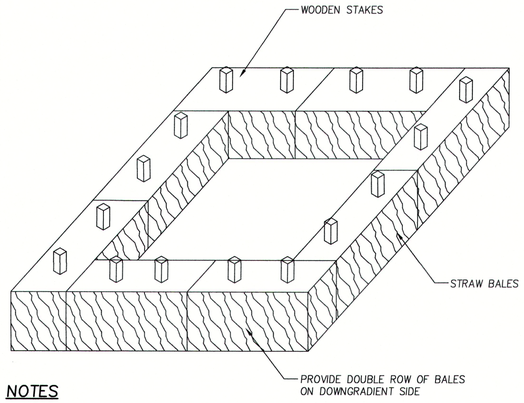


NOTES

1. ALL MATERIAL SHALL MEET SPECIFICATIONS BY FILTREXX OR APPROVED EQUAL.
2. SILT SOCK SHALL BE INSPECTED WITHIN 24 HOURS AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
3. THE CONTRACTOR SHALL REMOVE SEDIMENT AT THE BASE OF THE UPSLOPE SIDE OF THE SILT SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE SILT SOCK.
4. SILT SOCK SHALL BE MAINTAINED UNTIL DISTURBED AREA ABOVE THE DEVICE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
5. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE SOCK HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SILT SOCK INSTALLATION

N.T.S.

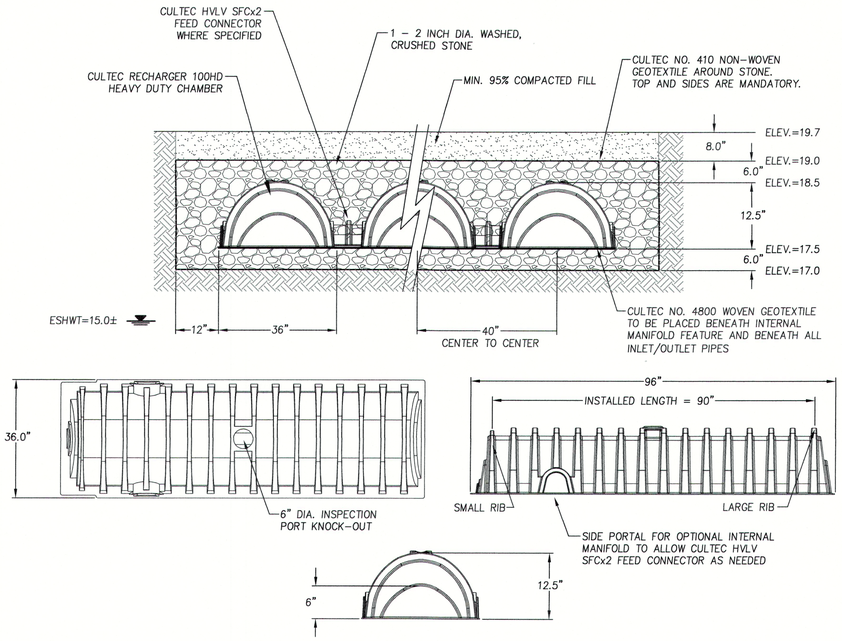


NOTES

1. DURING THE ACTIVE DEWATERING PROCESS, THE STRUCTURE SHALL BE INSPECTED FREQUENTLY (E.G. ONCE PER HOUR).
2. SEDIMENT BUILDUP SHOULD BE REMOVED PERIODICALLY TO ENSURE THAT THE STRUCTURE'S ABILITY TO EFFECTIVELY FILTER SEDIMENT IS MAINTAINED.

TYPICAL DEWATERING DETAIL

N.T.S.

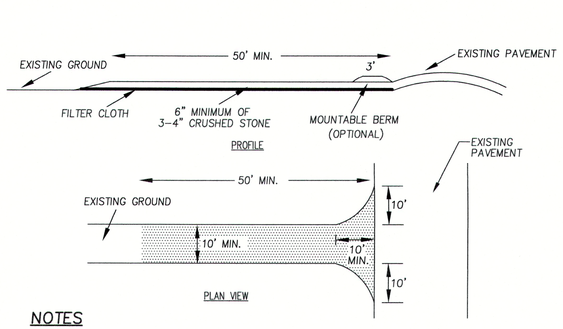


GENERAL NOTES:

1) RECHARGER 100HD BY CULTEC, INC. OF BROOKFIELD, CT. ALL RECHARGER 150XLHD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION.

CULTEC RECHARGER 100HD DETAILS

N.T.S.

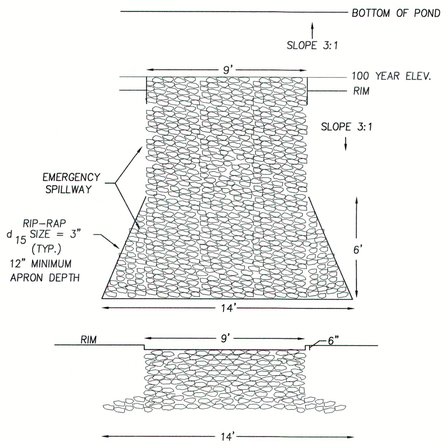


NOTES

1. STONE SHALL BE 3–4" STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50'.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6".
4. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
5. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE PERIODIC TOP–DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED PROMPTLY.
7. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS–OF–WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION ENTRANCE

N.T.S.

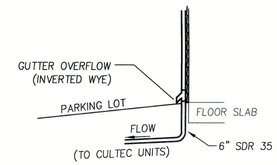


TYPICAL SPILLWAY PLAN VIEW

N.T.S.

GENERAL EROSION CONTROL NOTES

1. ALL EROSION CONTROL SHALL BE INSTALLED BEFORE THE START OF CONSTRUCTION. EROSION CONTROL SHALL BE REMOVED UPON COMPLETION OF THE PROJECT AND STABILIZATION OF ALL SOIL.
2. ALL FILL SHALL BE FREE OF STUMPS AND LARGE STONES.
3. ANY STANDING BODIES OF WATER CREATED DURING EXCAVATION SHALL BE ELIMINATED.
4. EROSION CONTROL BARRIERS SHALL BE INSPECTED WEEKLY AND AFTER EVERY 0.5" OF RAINFALL AND PROMPTLY REPAIRED OR REPLACED AS NECESSARY.
5. ACCUMULATED SEDIMENT DEPOSITS UPSTREAM OF BARRIERS SHALL BE PROPERLY DISPOSED OF ON A REGULAR BASIS.
6. AREAS OUTSIDE THE LIMITS OF WORK (EROSION CONTROL/SILT FENCE LOCATIONS) DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.
7. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND/OR SEDIMENT CONTROLS DURING CONSTRUCTION. HE/SHE SHALL INSPECT CONTROLS WEEKLY AND AFTER ALL STORM EVENTS. REPAIRS, IF REQUIRED, SHALL BE MADE IMMEDIATELY.
8. TEMPORARY GROUND COVER SHALL BE ESTABLISHED IN AREAS OF CONSTRUCTION WHERE REQUIRED BY THE SALISBURY CONSERVATION COMMISSION.
9. ANY DISTURBED AREAS OF THE SITE NOT USED FOR ROADWAY OR UTILITY CONSTRUCTION SHALL BE STABILIZED WITH LOAM AND SEED UNTIL FURTHER DISTURBANCE IS REQUIRED FOR BUILDING CONSTRUCTION.
10. PROVIDE GRAVEL AND WIRE MESH SEDIMENT FILTER AT ALL CATCH BASINS.
11. A MINIMUM OF 6" OF LOAM SHALL BE INSTALLED ON ALL DISTURBED UNPAVED SURFACES.
12. PERMANENT SEED MIX SHALL BE MA STATE SLOPE MIXTURE (50% CREEPING RED FESCUE, 30% KENTUCKY 31 TALL FESCUE, 10% ANNUAL RYEGRASS, 5% RED TOP, 5% LADINO CLOVER) AND MA STATE PLOT MIXTURE (50% CREEPING RED FESCUE, 25% 85/80 KENTUCKY BLUEGRASS, 10% ANNUAL RYEGRASS, 10% RED TOP, 5% LADINO CLOVER).
13. WHERE PLACEMENT OF FILL IS REQUIRED FOR STORM WATER CONTROL, FILL SHALL BE PLACED IN AN UNFROZEN STATE UPON UNFROZEN GROUND. UNDER NO CIRCUMSTANCES SHALL FILL BE PLACED FROM NOVEMBER THROUGH JANUARY.
14. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED: BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED; A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED; A MINIMUM OF 3" OF NON–EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
15. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCT. 15TH, OR WHICH ARE DISTURBED AFTER OCT. 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
16. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCT. 15TH, OR WHICH ARE DISTURBED AFTER OCT. 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.



GUTTER DOWN SPOUT DETAIL

N.T.S.

CONSTRUCTION SEQUENCE

1. INSTALL EROSION CONTROL AT LIMIT OF WORK & STAKE OUT STORMWATER AREAS
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AS DEPICTED.
3. CLEAR AND GRUB DEBRIS TO PHASE LINE AND DISPOSE OF PROPERLY.
4. STRIP, SCREEN AND STOCKPILE TOPSOIL. TOPSOIL CAN BE TEMPORARILY STOCKPILED ON SITE PROVIDING THAT THE PERIMETER OF THE STOCKPILES ARE PROPERLY STAKED WITH SILT FENCE AT THE TOE OF SLOPE.
5. ROUGH GRADE CONSTRUCTED WETLANDS.
6. GRADE PAVEMENT TO TOP OF SUBGRADE ELEVATIONS. ALL ROADWAYS MUST BE STABILIZED IMMEDIATELY AFTER GRADING.
7. BEGIN BUILDING CONSTRUCTION.
8. INSTALL UTILITIES/DRAINAGE STRUCTURES.
9. PLACE RIPRAP WHERE SHOWN ON PLANS. LOAM AND HYDROSEED SIDESLOPES AND ALL DISTURBED AREAS WITHIN 72 HOURS.
10. ADD PLANTINGS TO CONSTRUCTED WETLANDS.
11. SPREAD, SHAPE, AND COMPACT PAVEMENT SUBBASE AS PER TYPICAL PAVEMENT SECTION TO ATTAIN FINAL DESIGN ELEVATIONS.
12. PERFORM BINDER COURSE PAVING.
13. LOAM AND HYDROSEED ANY DISTURBED SURFACES ALONG EDGES OF PAVEMENT AS REQUIRED.
14. PERFORM FINAL PAVING (TOP COURSE).
15. REMOVE EROSION CONTROL.

COMMONWEALTH OF MASSACHUSETTS
CHRISTOPHER M. YORK
CIVIL
No. 49181
REGISTERED PROFESSIONAL ENGINEER
6-17-21

PREPARED FOR

6 FOREST ROAD LLC
71 COMMERCIAL STREET, #263
BOSTON, MA 02109

NO.	DATE	DESCRIPTION	BY
3	6/17/21	ADDRESS REVIEWER'S COMMENTS	C.M.Y.
2	6/10/21	ADDRESS REVIEWER'S COMMENTS	C.M.Y.
1	4/12/21	ADDRESS REVIEWER'S COMMENTS	C.M.Y.

MEI
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463–8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778–0528

SCALE: AS NOTED | DESG. BY: C.M.Y.
DATE: OCT. 26, 2020 | CHKD. BY: E.W.B.
PROJECT: M193659

SITE PLAN
IN
SALISBURY, MA
SHOWING
56 UNIT TOWNHOUSE COMMUNITY
AT
10 FOREST ROAD & MEADOWVIEW LANE

DRAINAGE/ EROSION CONTROL DETAILS
SHEET: C–14

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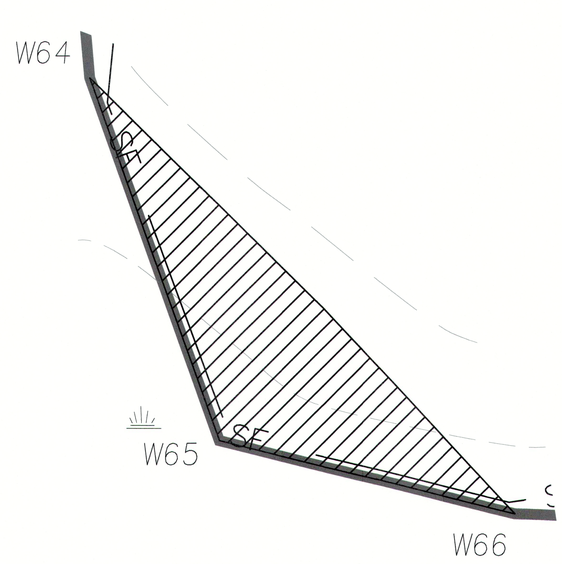
*BVW restoration area***

Common Name	Latin Name	comments	Quantity	Plant Size	Wetland Status
plant size based on availability – sizes based on New England Wetland Plants – typical.					
Winterberry Holly	Ilex verticillata	Group in 6 or more, 5 to 7 feet on center	12	2-3'	FACW+
Silky Dogwood	Cornus amomum	Plant 8 to 10 feet on center with tubelings planted 3 feet on center to fill in area around and between plants	11	3-4'	FACW
Red-osier Dogwood	Cornus sericea	Plant 8 to 10 feet on center with tubelings planted 3 feet on center to fill in area around and between plants	11	3-4'	FACW+
Silky Dogwood	Cornus amomum	Plant 3 feet on center around larger of same species to create dense clusters	30*	tubelings	FACW
Red-osier Dogwood	Cornus sericea	Plant 3 feet on center around larger of same species to create dense clusters	30*	tubelings	FACW+
Wild Raisin	Viburnum cassinoides	Plant 4 to 6 feet on center	9*	3-4'	FACW
Highbush Blueberry	Vaccinium corymbosum	Plant 4 to 6 feet on center	12*	3-4'	FACW
Red Maple	Acer Rubrum	Plant 8 feet on center	8	4-6'	FAC

*Actual quantities to plant and purchase are higher, – available in trays of 38, round up for ordering purposes

**Species and sizes may be adjusted based on plant availability

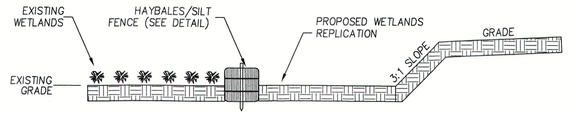
WETLAND REPLICATION
PLANTING LIST N.T.S.



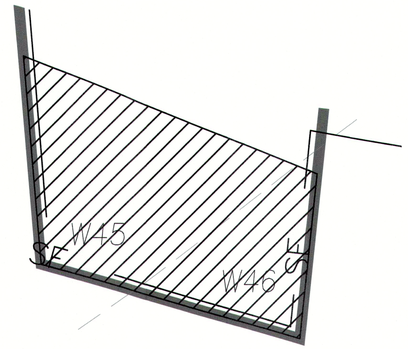
WETLAND REPLICATION
AREA #2 HORIZ. SCALE: 1"=10'

NOTES:

1. THE REPLACEMENT AREA SHALL MEET STRICT PERFORMANCE STANDARDS AS LISTED UNDER 310 CMR 10.55(4)(B). CONSTRUCTION OF THE WETLAND REPLACEMENT AREA SHALL BE PERFORMED IN CONFORMANCE WITH THE ORDER OF CONDITIONS ISSUED BY THE CONSERVATION COMMISSION.
2. WETLAND REPLACEMENT WORK SHALL BE SUPERVISED BY A WETLAND SCIENTIST APPROVED BY THE SALISBURY CONSERVATION COMMISSION OR ITS AGENT.
3. THESE STANDARDS HAVE BEEN SET IN ORDER TO PROTECT THE FUNCTIONS WHICH BORDERING VEGETATED WETLANDS AND BORDERING VEGETATED WETLANDS PROVIDE. THESE STANDARDS SHALL BE MET BY ADHERING TO THE FOLLOWING CONSTRUCTION SPECIFICATIONS.
4. A MEETING SHALL BE SCHEDULED WITH THE CONTRACTOR AND THE WETLAND SCIENTIST PRIOR TO SITE CONSTRUCTION TO REVIEW THE CONSTRUCTION METHODOLOGY. THIS WILL INCLUDE AREAS WITHIN THE APPROVED LIMIT OF WORK FOR HARVESTING SUITABLE SOIL MATERIAL AND DESIGNATED STORAGE AREAS FOR THAT SOIL MATERIAL.
5. AS REQUIRED IN THE ORDER OF CONDITIONS, ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND INSPECTED PRIOR TO THE START OF WORK AND THE LIMITS OF THE WETLAND REPLACEMENT AREA SHALL BE CLEARLY MARKED WITH WOODEN STAKES. EROSION CONTROL FENCING SPECIFIC TO THE REPLICATION AREA SHALL REMAIN IN PLACE UNTIL EXPOSED SOILS ARE VEGETATED AND STABLE. HAY BALES USED IN CONJUNCTION WITH THE PERIMETER CONTROL OR USED AS TEMPORARY STABILIZATION IN THE AREA OF THE REPLICATION AREA MUST BE FREE OF WEED SPECIES.
6. "O" AND "A" LAYER SOILS FROM THE WETLAND FILL AREAS, AS WELL AS AREAS OF THE UPLAND AREA IN THE MEADOW AND AS DIRECTED BY THE WETLAND SCIENTIST WILL BE STRIPPED AND STOCKPILED FOR USE IN THE REPLICATION AREA.
7. THE WETLAND REPLACEMENT AREA INDICATED ON THE PLAN SHALL BE EXCAVATED TO THE INDICATED SUBGRADE (SEE WETLAND REPLICATION PROFILE) BEFORE THE REPLACEMENT AREA SOILS ARE PLACED. THE WETLAND SCIENTIST SHALL BE ON-SITE TO INSPECT THE WETLAND REPLACEMENT AREA DURING THE CONSTRUCTION PROCESS AND MAY ADJUST THE FINAL GRADES IN THE WETLAND REPLACEMENT AREA BASED ON OBSERVED HYDROLOGY. WETLAND SOILS SHALL NOT BE PLACED IN THE REPLICATION AREA UNTIL THE WETLAND SCIENTIST HAS AGREED THAT THE ROUGH GRADE HAS ESTABLISHED APPROPRIATE HYDROLOGY.
8. THE TRANSITION ZONE BETWEEN THE WETLAND REPLACEMENT AREA AND THE SURROUNDING UPLAND PLANT COMMUNITY ADJACENT TO THE WETLAND REPLACEMENT AREA SHALL BE GRADED TO CREATE A SMOOTH TRANSITIONAL SLOPE BETWEEN THE WETLAND REPLACEMENT AREA AND THE UPLAND PLANT COMMUNITY.
9. SITE GRADES AND SLOPES SHALL BE CONSTRUCTED IN AGREEMENT WITH THE GRADING DETAILS SHOWN ON THE APPROVED SITE PLAN, WITH MINOR ADJUSTMENTS APPROVED IN THE FIELD BY THE WETLAND SCIENTIST.
10. STOCKPILED WETLAND OR SELECTED "O" AND "A" SOILS FROM THE MEADOW AREA SHALL BE PLACED IN THE ROUGH GRADED REPLACEMENT AREA TO ESTABLISH WETLAND SOILS BETWEEN 8 AND 12 INCHES IN DEPTH. ONSITE UPLAND SOILS MAY REQUIRE SUPPLEMENTARY DECOMPOSED LEAF LITTER OR OTHER APPROVED ORGANIC MATTER, TO PROVIDE A MINIMUM 25 % ORGANIC MATTER BY VOLUME. ANY EXISTING/IMPORTED WETLAND SOIL AND SOIL AMENDMENT MATERIAL SHALL BE INSPECTED BY THE WETLAND SCIENTIST FOR ANY OBVIOUS PRESENCE OF INVASIVE/EXOTIC SPECIES PRIOR TO TRANSLOCATION TO THE SITE. IN THE EVENT OFFSITE SOIL IS USED FOR THE WETLAND SOILS, IT SHALL CONTAIN 12-18 % ORGANIC CARBON BY DRY WEIGHT.
11. COARSE, WOODY DEBRIS SHALL BE ADDED THROUGHOUT THE REPLACEMENT WETLAND SURFACE AREA TO ACHIEVE COVERAGE OF AT LEAST 5%.
12. OPTIMAL PLANTING CONDITIONS OCCUR FROM APRIL 1 – MAY 15 IN THE SPRING AND SEPTEMBER 1 – OCTOBER 15. SEEDING AND PLANTING WILL OCCUR ONLY DURING THESE TIME PERIODS UNLESS APPROVED BY THE WETLAND SCIENTIST. WETLAND VEGETATION PLANTED IN THE WETLAND REPLACEMENT AREA MAY INCLUDE PLANTS SALVAGED FROM THE BORDERING VEGETATED WETLAND PROPOSED TO BE FILLED AND TRANSFERRED TO THE WETLAND REPLACEMENT AREA IF DEEMED SUITABLE BY THE WETLAND SCIENTIST. ADDITIONAL NATIVE SHRUBS WILL BE ADDED TO THE PLANTING AREA TO SUPPLEMENT THE SALVAGED MATERIAL AS IDENTIFIED IN THE PLANTING TABLE.
13. PROPOSED VEGETATION FOR WETLAND REPLICATION AREA. PLANTS SHALL BE PLANTED IN APPROXIMATED DENSITIES/SPACING AS IDENTIFIED IN THE TABLE, ALTHOUGH SHRUB SPECIES MAY BE CLUSTERED IN GROUPS OF 2/3 TO CREATED MORE NATURAL CONDITIONS.
14. PLANTS SHALL BE SOURCED FROM NEW ENGLAND WETLAND PLANTS, INC. OR EQUIVALENT.
15. A WETLAND SEED MIX SUCH AS NEW ENGLAND WETMIX BY NEW ENGLAND WETLAND PLANTS, INC., OR APPROVED EQUIVALENT, SHALL BE BROADCAST THROUGHOUT THE AREA AT AN APPLICATION RATE OF 1 LB PER 2,500 S.F. OR AS SPECIFIED BY THE MANUFACTURER, AND IT SHALL BE MULCHED WITH 1-2" THICK LAYER OF STRAW OR OTHER SUITABLE ORGANIC EQUIVALENT AND MAINTAINED UNTIL VEGETATION HAS BEEN ESTABLISHED.
16. UPLAND BUFFER ZONES DISTURBED AS A RESULT OF CONSTRUCTION OF THE WETLAND REPLICATION AREA SHALL BE PLANTED WITH NATIVE SHRUBS AND SAPLINGS APPROVED BY THE WETLAND SCIENTIST AND SEEDED WITH A NATIVE NEW ENGLAND CONSERVATION SEED MIX BY NEW ENGLAND WETLAND PLANTS, INC., OR APPROVED EQUIVALENT, AT AN APPLICATION RATE OF 1 LB PER 1,750 SF OR AS SPECIFIED BY THE MANUFACTURER, AND IT SHALL BE MULCHED WITH 1-2" THICK LAYER OF STRAW OR OTHER SUITABLE ORGANIC EQUIVALENT AND MAINTAINED UNTIL VEGETATION HAS BEEN ESTABLISHED.
17. THE WETLAND REPLICATION AREA SHALL BE INSPECTED MONTHLY BY THE WETLAND SCIENTIST UNTIL THE AREA IS 75% UNIFORMLY VEGETATED AND STABLE, AND UNTIL THE WETLAND SCIENTIST DETERMINES THAT THE RESTORATION AREA EROSION CONTROLS CAN BE REMOVED. INSPECTIONS CAN BE SUSPENDED DURING FROZEN CONDITIONS. UPON REACHING STABILITY, TWO ANNUAL INSPECTIONS SHALL BE MADE OF THE COMPLETED REPLACEMENT AREA BY THE WETLAND SCIENTIST IN COMPLIANCE WITH MASSACHUSETTS INLAND WETLAND REPLICATION GUIDELINES, MARCH, 2002 IN ORDER TO ASSESS THE SUCCESS OF THE WETLAND REPLICATION AREA.
18. DURING THE TWO ANNUAL INSPECTIONS OF THE REPLACEMENT WETLAND AREA, THE CONTRACTOR SHALL REMOVE BY HAND ALL INVASIVE PLANT SPECIES AS IDENTIFIED BY THE WETLAND SCIENTIST.



TYPICAL WETLAND
REPLICATION SECTION N.T.S.



WETLAND REPLICATION
AREA #1 HORIZ. SCALE: 1"=10'

COMMONWEALTH OF MASSACHUSETTS
CHRISTOPHER M. YORK
CIVIL
No. 49181
REGISTERED PROFESSIONAL ENGINEER
6-10-21

PREPARED FOR

6 FOREST ROAD LLC
71 COMMERCIAL STREET, #263
BOSTON, MA 02109

NO.	DATE	DESCRIPTION	BY
2	6/10/21	ADDRESS REVIEWER'S COMMENTS	C.M.Y.
1	4/12/21	ADDRESS REVIEWER'S COMMENTS	C.M.Y.

MEI
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: AS NOTED | DESG. BY: C.M.Y.
DATE: OCT. 26, 2020 | CHKD. BY: E.W.B.
PROJECT: M193659

SITE PLAN
IN
SALISBURY, MA
SHOWING
56 UNIT TOWNHOUSE COMMUNITY
AT
10 FOREST ROAD & MEADOWVIEW LANE

WETLAND REPLICATION DETAILS

SHEET: C-15

TEST PIT#01–20
ELEV. = 21.0

0"	
	Ap – FINE SANDY LOAM
8"	
	Bw – FINE SANDY LOAM
20"	
	C1 – FINE SANDY LOAM
32"	
	C2 – SILT CLAY LOAM
51"	
	C3 – CLAY
62"	

ESHWT = 20" = 19.3

TEST PIT#02–20
ELEV. = 21.5

0"	
	Ap – FINE SANDY LOAM
8"	
	Bw – FINE SANDY LOAM
18"	
	C1 – FINE SANDY LOAM
30"	
	C2 – SILT CLAY LOAM
55"	
	C3 – CLAY
70"	

ESHWT = 23" = 19.6

TEST PIT#03–20
ELEV. = 21.0

0"	
	Ap – FINE SANDY LOAM
9"	
	Bw – FINE SANDY LOAM
18"	
	C1 – FINE LOAMY SAND
40"	
	C2 – FINE SANDY LOAM
63"	
	C3 – SILT LOAM
80"	

ESHWT = 28" = 18.7

TEST PIT#04–20
ELEV. = 19.5

0"	
	Ap – FINE LOAMY SAND
10"	
	Bw – FINE SANDY LOAM
16"	
	C1 – FINE LOAMY SAND
28"	
	C2 – FINE SANDY LOAM
60"	
	C3 – SILT LOAM
77"	

ESHWT = 25" = 17.4

TEST PIT#05–20
ELEV. = 18.0

0"	
	Ap – FINE SANDY LOAM
12"	
	E – FINE LOAMY SAND
14"	
	Bw – FINE SANDY LOAM
23"	
	C1 – SILT CLAY LOAM
51"	

ESHWT = 12" = 17.0

TEST PIT#06–20
ELEV. = 17.0

0"	
	Ap – FINE SANDY LOAM
5"	
	Bw – FINE SANDY LOAM
14"	
	C1 – SILT LOAM
24"	
	C2 – SILT CLAY LOAM
48"	

ESHWT = 17" = 15.6

TEST PIT#07–20
ELEV. = 15.0

0"	
	Ap – FINE SANDY LOAM
6"	
	Bw – FINE SANDY LOAM
20"	
	C1 – SILT LOAM
43"	

ESHWT = 14" = 13.8

TEST PIT#08–20
ELEV. = 16.0

0"	
	Ap – FINE SANDY LOAM
7"	
	Bw – FINE SANDY LOAM
21"	
	C1 – SILT LOAM
46"	

ESHWT = 15" = 14.8

TEST PIT#09–20
ELEV. = 18.0

0"	
	Ap – FINE LOAMY SAND
10"	
	Bw – FINE LOAMY SAND
25"	
	C1 – FINE SANDY LOAM
35"	
	C2 – FINE SANDY LOAM
55"	
	C3 – SILT LOAM
70"	

ESHWT = 35" = 15.1

TEST PIT#10–20
ELEV. = 19.5

0"	
	Ap – FINE LOAMY SAND
12"	
	Bw – FINE LOAMY SAND
24"	
	C1 – FINE SANDY LOAM
36"	
	C2 – FINE SANDY LOAM
53"	
	C3 – SILT CLAY LOAM
67"	

ESHWT = 34" = 16.7

TEST PIT#11–20
ELEV. = 15.0

0"	
	Ap – FINE SANDY LOAM
9"	
	Bw – SILT LOAM
24"	
	C1 – SILT CLAY LOAM
48"	

ESHWT = 21" = 13.3

TEST PIT#12–20
ELEV. = 15.0

0"	
	Ap – FINE LOAMY SAND
10"	
	Bw – FINE LOAMY SAND
21"	
	C1 – FINE SANDY LOAM
34"	
	C2 – SILT LOAM
53"	

ESHWT = 28" = 12.7

TEST PIT#13–20
ELEV. = 17.5

0"	
	Ap – FINE SANDY LOAM
10"	
	Bw – FINE SANDY LOAM
22"	
	C1 – FINE LOAMY SAND
50"	
	C2 – SILT LOAM
70"	

ESHWT = 15" = 16.3

TEST PIT#14–20
ELEV. = 19.5

0"	
	Ap – FINE SANDY LOAM
12"	
	Bw – FINE SANDY LOAM
30"	
	C1 – FINE LOAMY SAND
58"	
	C2 – SILT LOAM
82"	

ESHWT = 26" = 17.3

TEST PIT#15–20
ELEV. = 20.0

0"	
	Ap – FINE LOAMY SAND
10"	
	Bw – FINE SANDY LOAM
25"	
	C1 – FINE SANDY LOAM
36"	
	C2 – SILT LOAM
62"	

ESHWT = 25" = 17.9

TEST PIT#16–20
ELEV. = 15.5

0"	
	Ap – FINE SANDY LOAM
8"	
	Bw – FINE SANDY LOAM
20"	
	C1 – FINE LOAMY SAND
48"	
	C2 – SILT LOAM
57"	

ESHWT = 18" = 14.0

TEST PIT#17–20
ELEV. = 19.0

0"	
	Ap – FINE SANDY LOAM
8"	
	Bw – FINE SANDY LOAM
22"	
	C1 – FINE LOAMY SAND
41"	
	C2 – SILT LOAM
65"	

ESHWT = 22" = 17.2

TEST PIT#18–20
ELEV. = 16.0

0"	
	Ap – FINE SANDY LOAM
10"	
	Bw – FINE SANDY LOAM
17"	
	C1 – FINE SANDY LOAM
25"	
	C2 – SILT LOAM
59"	

ESHWT = 24" = 14.0

TEST PIT#19–20
ELEV. = 19.0

0"	
	Ap – FINE LOAMY SAND
6"	
	Bw – FINE LOAMY SAND
17"	
	C1 – FINE LOAMY SAND
32"	
	C2 – FINE SANDY LOAM
56"	
	LEDGE

ESHWT = 24" = 17.0

TEST PIT#20–20
ELEV. = 12.0

0"	
	Ap – FINE SANDY LOAM
10"	
	Bw – FINE SANDY LOAM
18"	
	C1 – SILT LOAM
49"	

ESHWT = 16" = 10.7

TEST PIT#21–20
ELEV. = 11.5

0"	
	Ap – FINE SANDY LOAM
9"	
	Bw – FINE SANDY LOAM
21"	
	C1 – SILT LOAM
53"	

ESHWT = 16" = 10.2

TEST PIT#22–20
ELEV. = 18.0

0"	
	Ap – FINE SANDY LOAM
5"	
	Bw – FINE LOAMY SAND
18"	
	C1 – SAND
41"	
	LEDGE

ESHWT = 25" = 15.9

TEST PIT#23–20
ELEV. = 14.0

0"	
	Ap – FINE SANDY LOAM
5"	
	Bw – FINE SANDY LOAM
19"	
	C1 – SILT LOAM
52"	

ESHWT = 14" = 12.8

TEST PIT#24–20
ELEV. = 18.0

0"	
	Ap – FINE SANDY LOAM
9"	
	Bw – FINE SANDY LOAM
18"	
	C1 – SILT LOAM
49"	

ESHWT = 15" = 16.8

TEST PIT#25–20
ELEV. = 23.0

0"	
	Ap – FINE SANDY LOAM
9"	
	Bw – FINE SANDY LOAM
27"	
	C1 – SILT LOAM
58"	

ESHWT = 15" = 21.8

COMMONWEALTH OF MASSACHUSETTS
CHRISTOPHER M. YORK
CIVIL
No. 49181
REGISTERED PROFESSIONAL ENGINEER
6-10-21

PREPARED FOR

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71 COMMERCIAL STREET, #263
BOSTON, MA 02109

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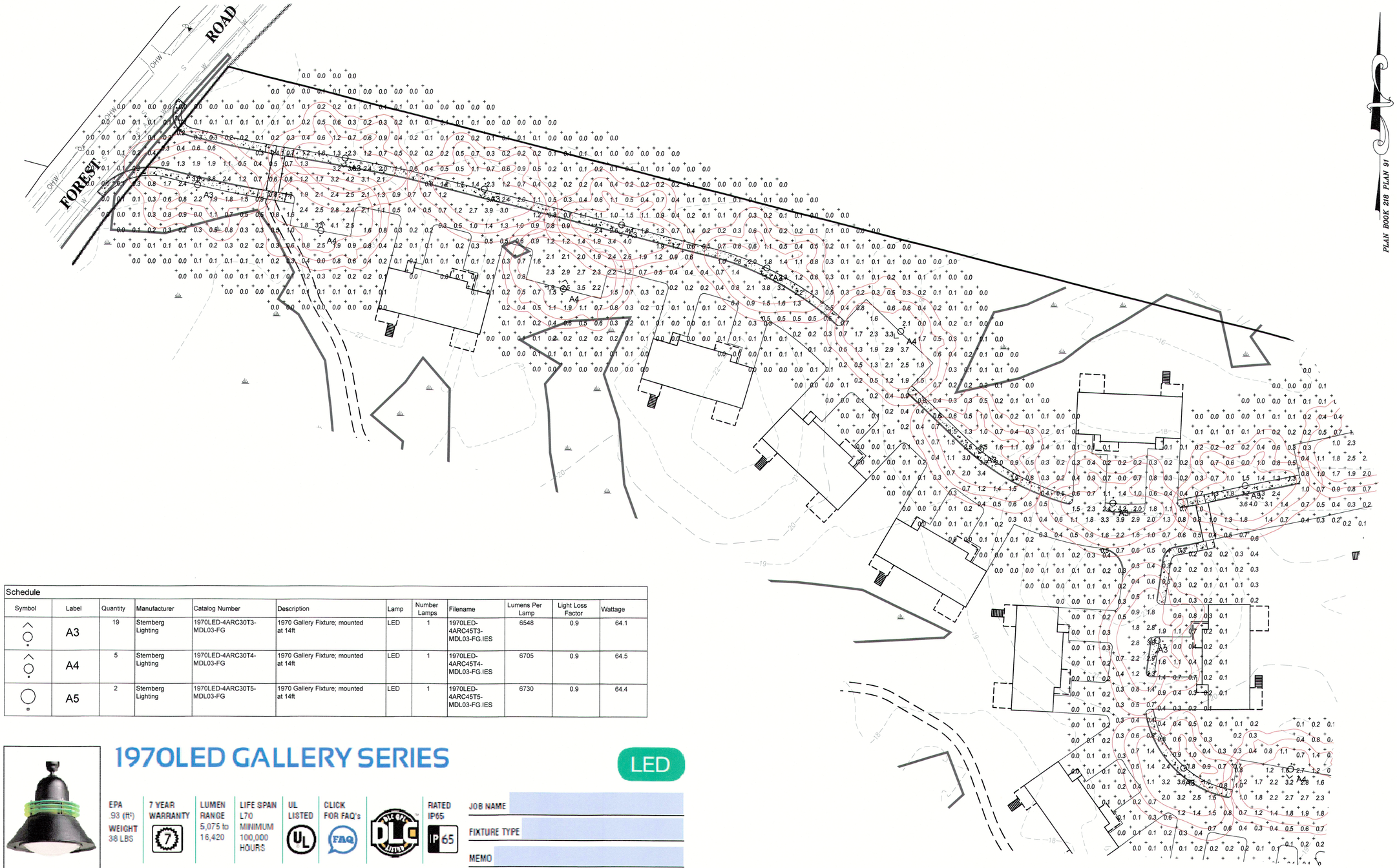
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: AS NOTED | DESG. BY: C.M.Y.
DATE: OCT. 26, 2020 | CHKD. BY: E.W.B.
PROJECT: M193659

SITE PLAN
IN
SALISBURY, MA
SHOWING
56 UNIT TOWNHOUSE COMMUNITY
AT
10 FOREST ROAD & MEADOWVIEW LANE

SOIL LOGS

SHEET: C–16



PLAN BOOK 218 PLAN 91

Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	A3	19	Sternberg Lighting	1970LED-4ARC30T3-MDL03-FG	1970 Gallery Fixture; mounted at 14ft	LED	1	1970LED-4ARC45T3-MDL03-FG.IES	6548	0.9	64.1
	A4	5	Sternberg Lighting	1970LED-4ARC30T4-MDL03-FG	1970 Gallery Fixture; mounted at 14ft	LED	1	1970LED-4ARC45T4-MDL03-FG.IES	6705	0.9	64.5
	A5	2	Sternberg Lighting	1970LED-4ARC30T5-MDL03-FG	1970 Gallery Fixture; mounted at 14ft	LED	1	1970LED-4ARC45T5-MDL03-FG.IES	6730	0.9	64.4

1970LED GALLERY SERIES

LED

EPA .93 (ft²)
WEIGHT 38 LBS

7 YEAR WARRANTY

LUMEN RANGE 5,075 to 16,420

LIFE SPAN L70 MINIMUM 100,000 HOURS

UL LISTED

CLICK FOR FAQ's

DLC PREMIUM LISTED

RATED IP65

JOB NAME

FIXTURE TYPE

MEMO

BUILD A PART NUMBER

ORDERING EXAMPLE: 2A-1970LED-S-GR-4ARC45T5-MDL03-SV1-R7-PE-HSHN/CA6/5218P5/UBKT

Mounting Config.	Fixture	Shade Edge	Top Feature	LED	CCT	Type	Driver	Lens	Optional Control Receptacle	Optional Control	Option Fuse	Option Hang-straight	Option House Side Shield	Arm (See Arm Specs Sheets)	Pole (See Pole Specs Sheets)	Finish

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Outside of Roadway	+	0.3 fc	4.4 fc	0.0 fc	N/A	N/A
Roadway	+	1.2 fc	4.2 fc	0.1 fc	42.0:1	12.0:1

Site Lighting Layout
At
10 FOREST ROAD & MEADOWVIEW LANE

Designer
Heidi G. Connors
Visible Light, Inc.
24 Stickney Terrace
Suite 6
Hampton, NH 03842

Date
6/10/2021

Scale
1"=30'

Drawing No.

Summary

E-1

PLAN BOOK 218 PLAN 91

Site Lighting Layout
At
10 FOREST ROAD & MEADOWVIEW LANE

Designer
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Visible Light, Inc.
24 Stickney Terrace
Suite 6
Hampton, NH 03842

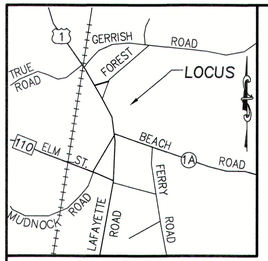
Date
6/10/2021

Scale
1"=30'

Drawing No.

Summary

E-2



LOCUS MAP
N.T.S.

PLAN BOOK 216 PLAN 91

SCHOOLHOUSE LANE

MEADOWVIEW LANE

ROAD

FOREST

OHW

M.H.

LOT "A"
51,890 sq.ft.
1.19 ACRES

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30'

COMMONWEALTH OF MASSACHUSETTS
CHRISTOPHER M. YORK
CIVIL
No. 49181
REGISTERED PROFESSIONAL ENGINEER
6-10-21

PREPARED FOR

6 FOREST ROAD LLC
71 COMMERCIAL STREET, #263
BOSTON, MA 02109

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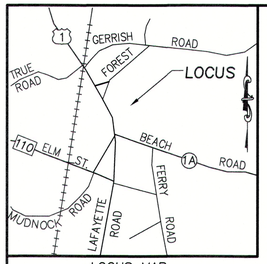
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=30' | DESG. BY: C.M.Y.
DATE: OCT. 26, 2020 | CHKD. BY: E.W.B.
PROJECT: M193659

PLAN OF LAND
IN
SALISBURY, MA
SHOWING
56 UNIT TOWNHOUSE COMMUNITY
AT
10 FOREST ROAD & MEADOWVIEW LANE

FIRE TRUCK TEMPLATE

SHEET: F-1



LOCUS MAP
N.T.S.

MEADOWVIEW LANE

CLOVER CIRCLE

PLAN BOOK 218 PLAN 91

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30'

COMMONWEALTH OF MASSACHUSETTS
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IN
SALISBURY, MA
SHOWING
56 UNIT TOWNHOUSE COMMUNITY
AT
10 FOREST ROAD & MEADOWVIEW LANE

FIRE TRUCK TEMPLATE

SHEET: F-2

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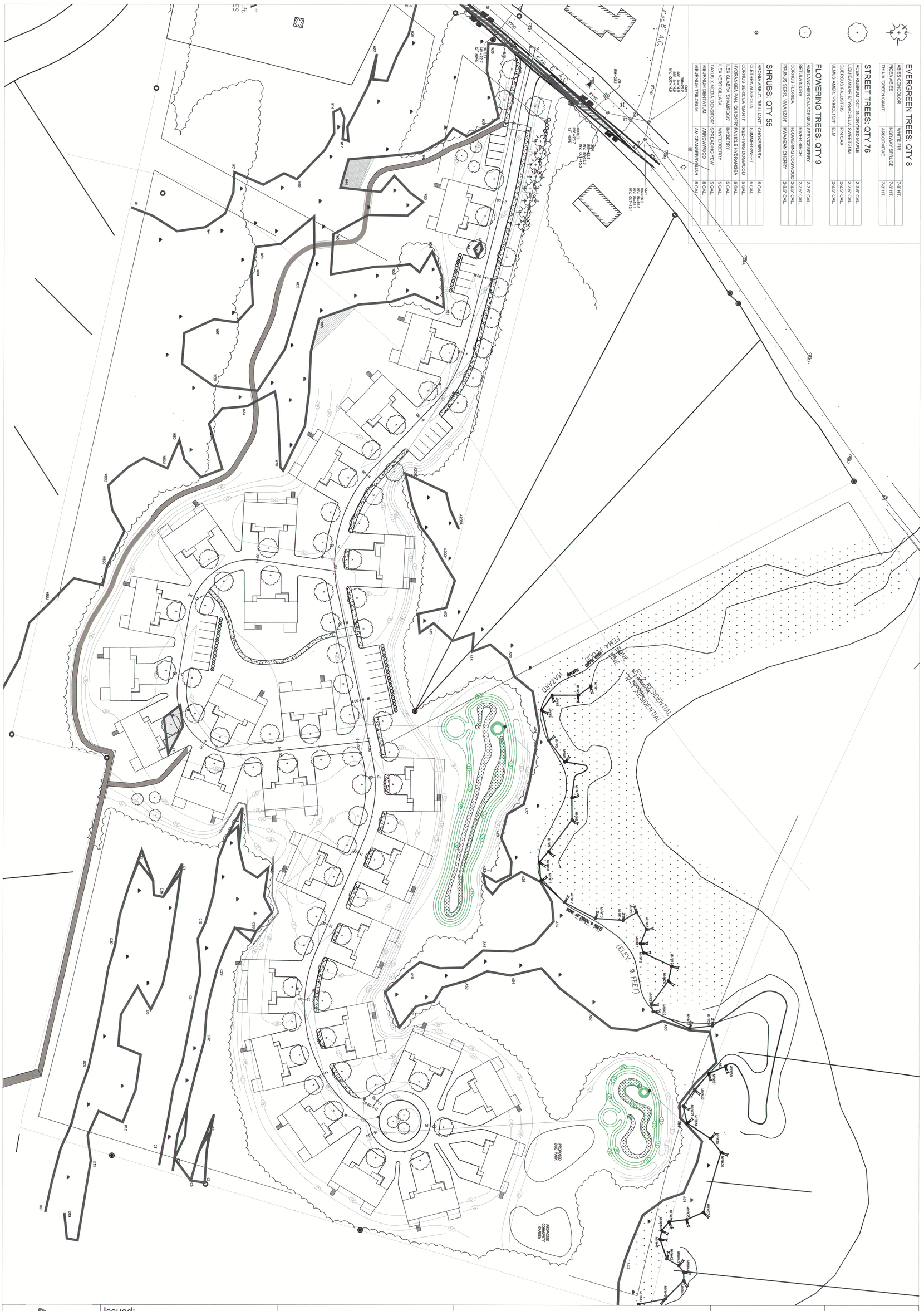


Issued:		
1	9-5-20	For review
2	9-5-20	For review
3	9-28-20	For review
4	9-30-20	For review
5	3-29-21	For review
6	4-28-21	For review
7	6-7-21	For review

LANDSCAPE PLAN

Scale: 1"=50'-0"

6 Forest Rd.

Salisbury, MA

KDTurner Design
landscape architecture

27 High St.
Newburyport, MA 01950

ph) 781.632.6004

L-1

FLOWERING TREES: QTY 1

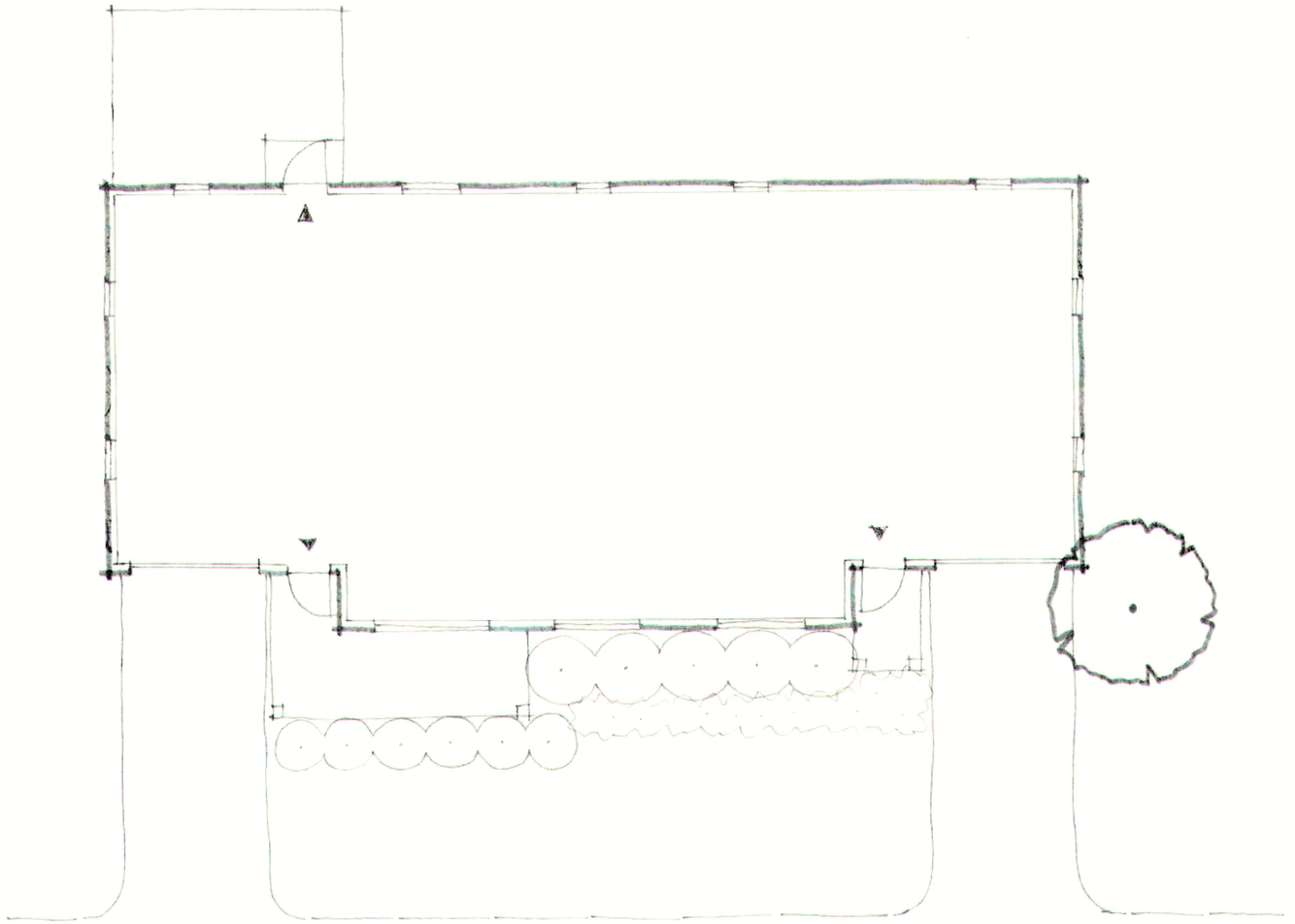
AMELANCHIER CANADENSIS	SERVICEBERRY	2-2.5" CAL.
BETULA NIGRA	RIVER BIRCH	2-2.5" CAL.
CORNUS X 'RUTBAN'	DOGWOOD	2-2.5" CAL.
PRUNUS SERR. 'KWANZAN'	KWANZAN CHERRY	2-2.5" CAL.

SHRUBS: QTY 11

CORNUS SERICEA 'ISANTI'	RED-TWIG DOGWOOD	5 GAL.
FOTHERGILLA GARDENII	DWARF FOTHERGILLA	3 GAL.
HYDRANGEA PAN. 'BOBO'	PANICLE HYDRANGEA	3 GAL.
HYDRANGEA 'ENDLESS SUM'	HYDRANGEA	3 GAL.
ILEX GLABRA 'SHAMROCK'	INKBERRY	5 GAL.
RHODODENDRON C. 'ALBA'	RHODODENDRON	5 GAL.
ROSA 'RADTKO'	KNOCKOUT ROSE	3 GAL.
SYRINGA PAT. 'MISS KIM'	LILAC	3 GAL.
TAXUS X MEDIA 'DENSIFOR'	SPREADING YEW	5 GAL.

PERENNIALS: QTY 12

ALLIUM 'MILLENNIUM'	FLOWERING ONION	1 GAL.
ASTILBE 'BRIDAL WREATH'	ASTILBE	1 GAL.
HEMEROCALLIS 'HAPPY RET'	DAYLILY	1 GAL.
HOSTA 'GUACAMOLE'	HOSTA	1 GAL.
ECHINACEA PURPUREA	ECHINACEA	1 GAL.
NEPETA 'WALKERS LOW'	CATMINT	1 GAL.



KDTurner Design
landscape architecture
27 High St.
Newburyport, MA 01950
ph) 781.632.6004

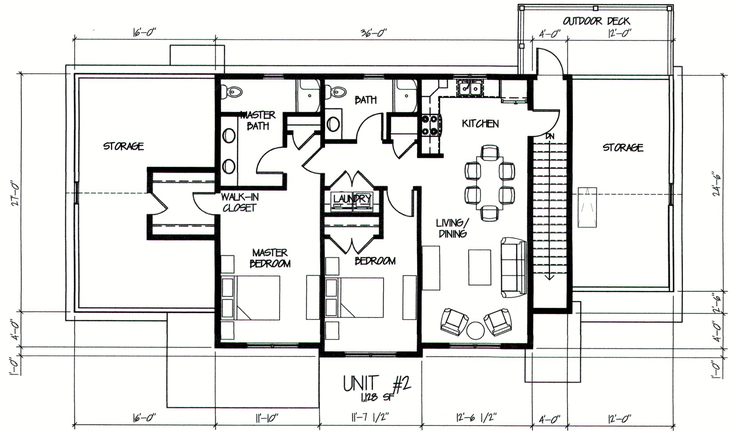
6 Forest Rd.
Salisbury, MA

PROTOTYPICAL UNIT LANDSCAPE PLAN

Scale: 1"=10'-0"

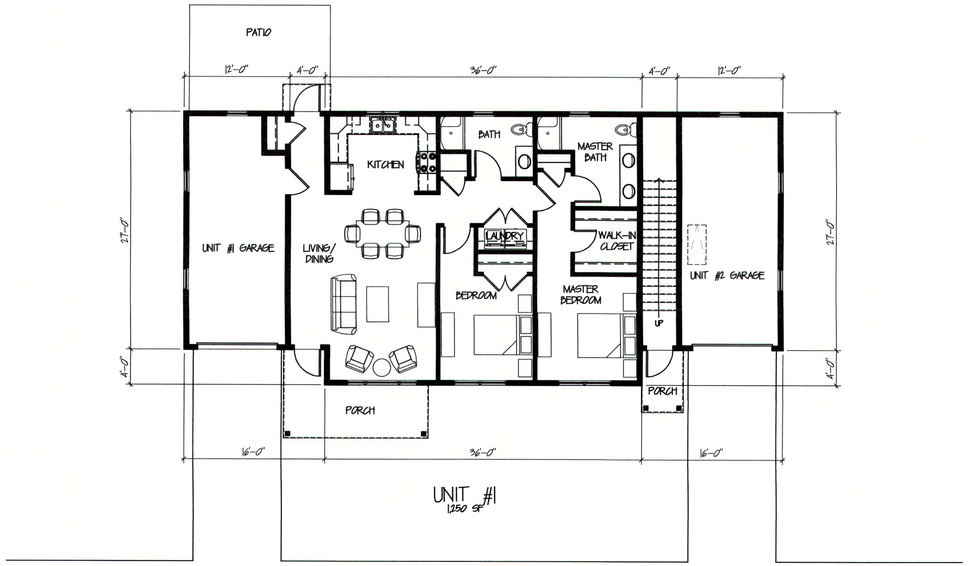
Issued:		
1	9-5-20	For review
2	9-9-20	For review
3		
4		
5		
6		
7		

L-2



SECOND FLOOR PLAN

SCALE: 1/8"=1'-0"



FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"

REV. NO.	REVISIONS	DATE

DUPLEX

PROJECT:

SCHEMATIC FLOOR PLANS

DATE: 02/02/21

SUBJECT:

SCALE: 1/8"=1'-0"

UDELSMAN ASSOCIATES
ARCHITECTURE • PLANNING • DESIGN
161 FEDERAL HILL ROAD
HOLLIS, NEW HAMPSHIRE 03049
603·465·6960

PROJECT NO.: 1938

SHEET NO.: A1