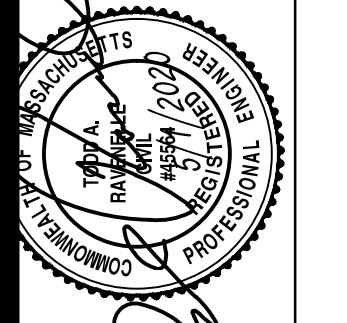


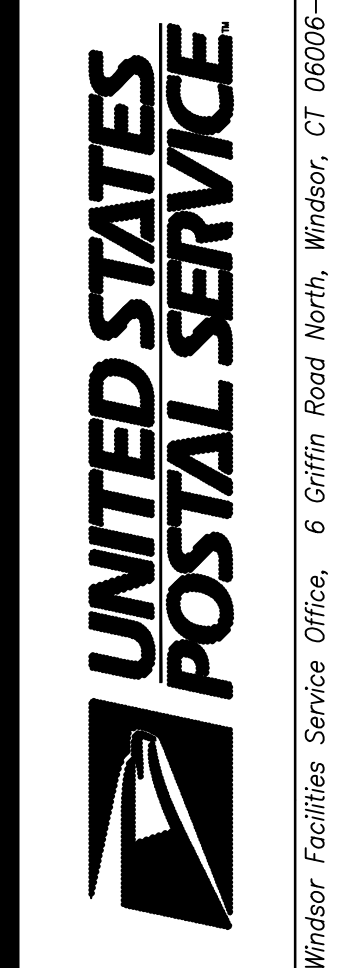
LEGEND

	CUT AND MATCH
	PROPOSED GRADE
	PROPOSED SPOT GRADE
	ADJUST FRAME AND COVER
	ADJUST FRAME AND GRATE
	ADJUST GAS GATE
	ADJUST WATER GATE
	CATCH BASIN INLET PROTECTION
	CLEAN CATCH BASIN
	CLEAN & FLUSH PIPE
	COMPOST FILTER SOCK
	CLEAN MANHOLE
	LIMIT OF DISTURBANCE
	SILT FENCE (SEE DETAIL)

ARCHITECTS-ENGINEERS-PLANNERS
 100 WASHINGTON STREET
 NORWELL, MA 02061
 PHONE: (781) 878-8223
 FAX: (781) 878-8920



PAVING
 CARRIER ANNEY
 4 PEQUOD ROAD
 FARRHAVEN, MA 02719



Windsor Facilities Service Office, 6 Griffin Road North, Windsor, CT 06096-0300

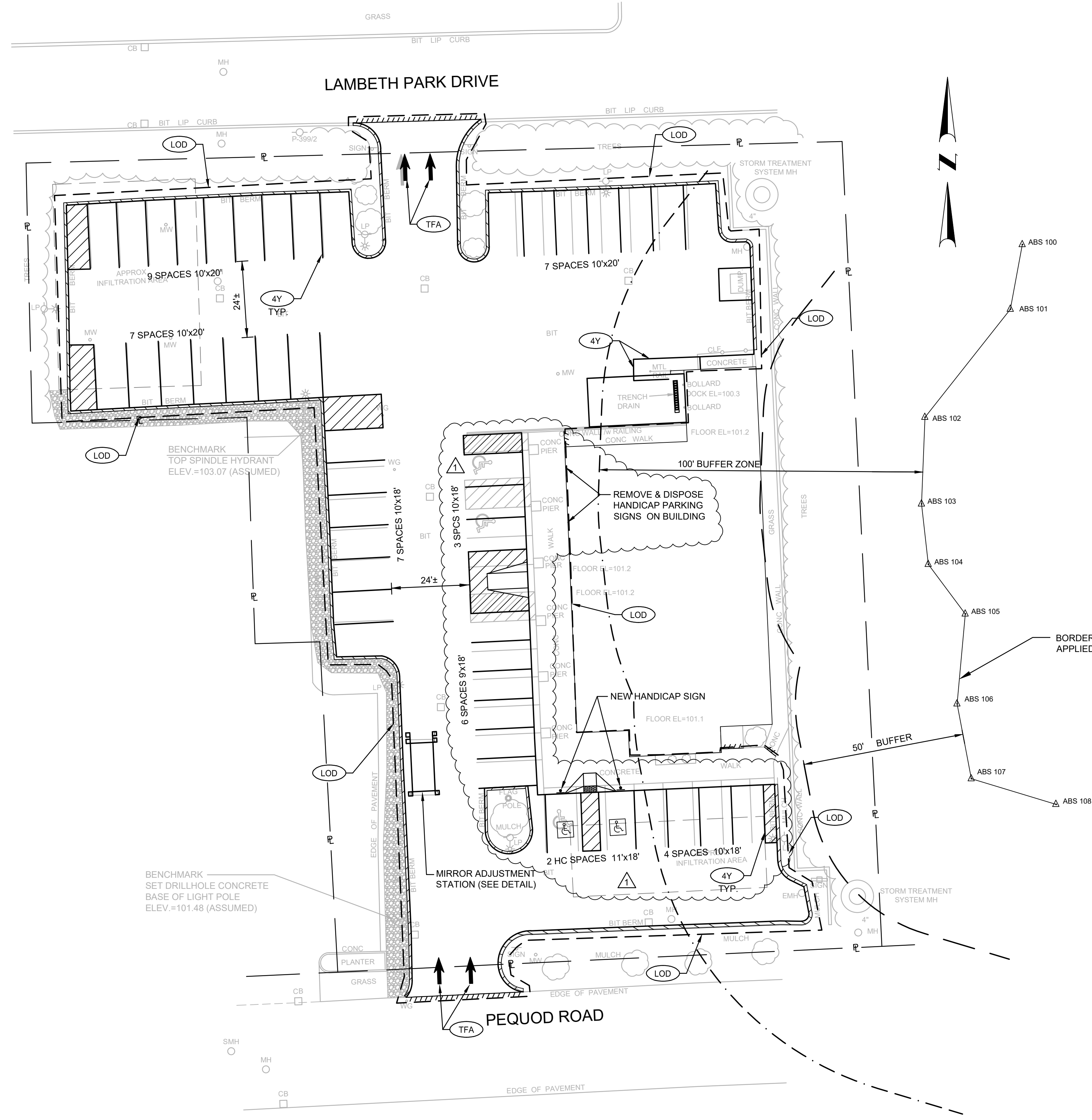
C1.03 GRADING & DRAINAGE PLAN

SCALE: AS-BUILT DATE: 5/01/2020
 A/E PROJECT NO.: 19033.00
 USFS PROJECT NO.: E35638

REVISIONS:
 ADDENDUM 1
 AS-BUILT

DATE: 04/09/21
 DATE: 07-28-2021

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island



LEGEND

(ETR)	EXISTING TO REMAIN
(LOD)	LIMIT OF DISTURBANCE
(TFA)	TRAFFIC FLOW ARROW (SEE DETAIL)
(4Y)	4" YELLOW STRIPE

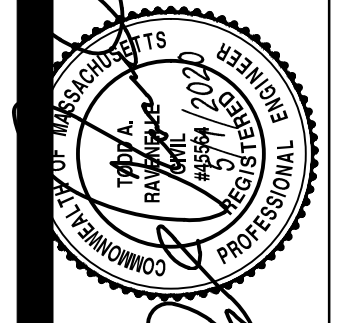
C1.04 SIGNING AND STRIPING PLAN

SCALE: AS-BUILT	DATE: 5/01/2020	REVISIONS:	DATE:
A/E PROJECT NO.: 19033.00		ADDENDUM 1	04/09/21
USPS PROJECT NO.: E35638		AS-BUILT	07-28-2021

GRIFFIN Gordon R. Archibald, Inc.
Civil and Environmental Engineers
Pawtucket, Rhode Island



PAVING
CARRIER ANNEY
4. PEQUOD ROAD
FAIRHAVEN, MA 02719



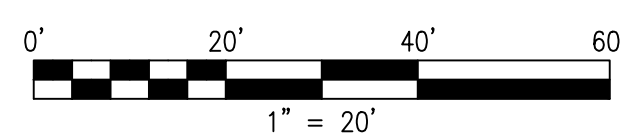
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McKINNELL & TAYLOR Inc.
ARCHITECTS-ENGINEERS-PLANNERS
124 WASHINGTON STREET
NORWELL, MA 02061
PHONE: (781) 878-6223
FAX: (781) 878-8920



Windsor Facilities Service Office, 6 Griffin Road North, Windsor, CT 06096-0300



EONE PUMP
RIM=9.00
I=3.92 (IN)
I=4.36 (OUT)



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REVISIONS


www.FarlandCorp.com
401 COUNTY STREET NEW BEDFORD, MA 02740 P. 508.717.3479
OFFICES IN: ● TAUNTON ● MARLBOROUGH ● WARWICK, RI
DRAWN BY: JT DESIGNED BY: CAF CHECKED BY: CAF
SITE PLAN 1 CROW ISLAND ASSESSORS MAP 44 LOT 1 FAIRHAVEN, MASSACHUSETTS PREPARED NEW BEDFORD, INC. FOR: 72 NORTH WATER STREET 3RD FLOOR NEW BEDFORD, MA 02740
AUGUST 16, 2021 SCALE: 1"=20' JOB NO. 19-534 LATEST REVISION:
LAYOUT SHEET 1 OF 1

LEWIS LANDING

PROPOSED MULTI-UNIT RESIDENTIAL DEVELOPMENT

HUTTLESTON AVE.

FAIRHAVEN, MASSACHUSETTS

SCHEDULE OF DRAWINGS

SHEET NUMBER	PLAN TITLE
-	COVER SHEET
1	EXISTING CONDITIONS PLAN
2	SITE LAYOUT AND LANDSCAPING PLAN
3	GRADING & UTILITIES PLAN
4	EROSION CONTROL PLAN
5	DETAIL SHEET-1
6	DETAIL SHEET-2
7	ARCHITECTURAL PLANS

WAIVERS REQUESTED

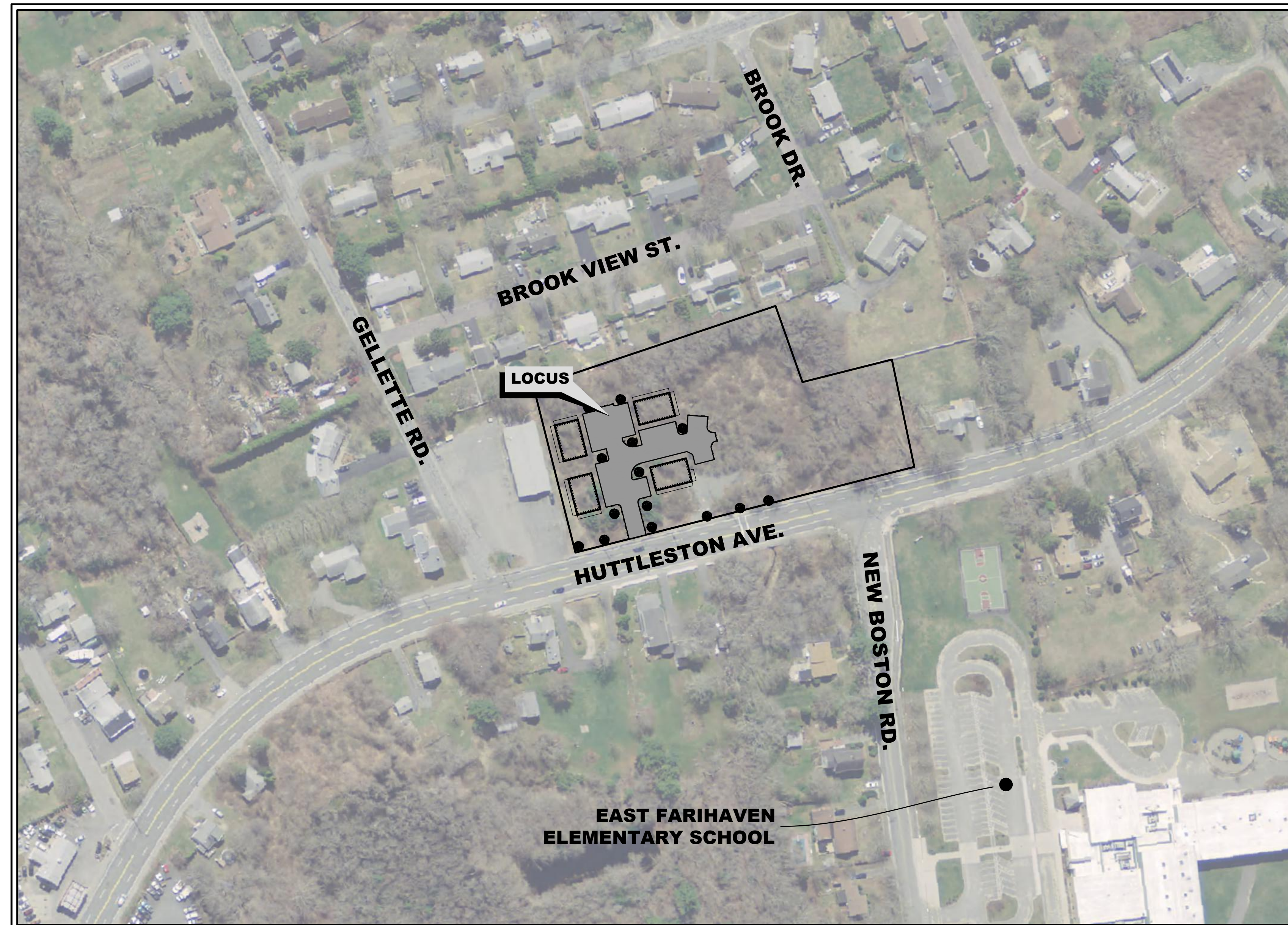
1. FAIRHAVEN ZONING BYLAW 198-31.1 (C) (2) (g) [6] REQUIRING BASINS AND PONDS TO HAVE 4:1 SIDE SLOPES AND SEDIMENT FOREBAYS TO HAVE 3:1 SIDE SLOPES.
2. FAIRHAVEN ZONING BYLAW 198-31.1(C)(2)(I) - REQUIRING FENCE ENCLOSURE FOR STORMWATER BASINS.
3. FAIRHAVEN ZONING BYLAW 198-31.1(C)(3) [(C)(4)(A) THROUGH (C)] - THE POCKET WETLAND WETLAND IS REQUESTED FOR APPROVAL THROUGH (C)(3)(d).



PREPARED BY:



CIVIL ENGINEERING—LAND SURVEYING—ENVIRONMENTAL ASSESSMENT
 P.O. BOX 1088, 350 BEDFORD STREET, LAKEVILLE, MA 02347
 TEL: 508.947.0050 FAX: 508.947.2004

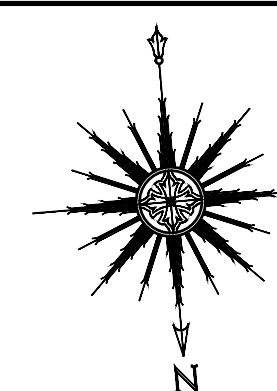


APPLICANT/OWNER:

DANA LEWIS
 18 TANNER LANE
 FAIRHAVEN, MA 02719

LOCUS:

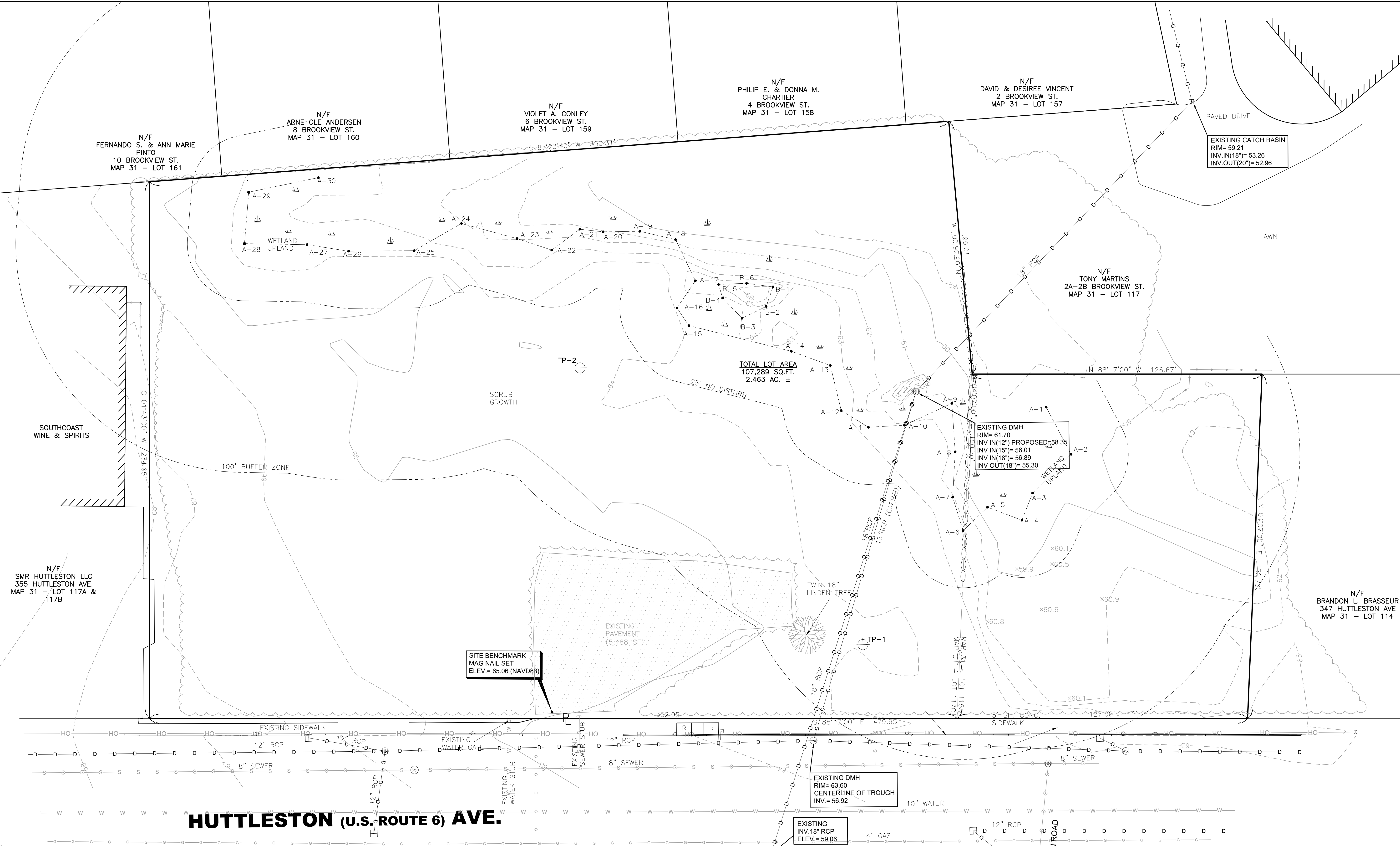
MAP 31 - LOT 117C AND LOT 115A
 HUTTLESTON AVENUE
 FAIRHAVEN, MA



SCALE: 1"=100'

SEPTEMBER 9, 2019

REVISED: AUGUST 5, 2021



SITE ADDRESS
 0 HUTTLESTON AVENUE
 FAIRHAVEN, MA 02719
 (VACANT LOT)

CURRENT OWNERS
 DANA LEWIS
 18 TANNER LANE
 FAIRHAVEN, MA 02719

ASSESSORS' REFERENCE
 MAP 31 - LOT 115A & 117C

DEED REFERENCE
 BK. 12776 - PG. 341

PLAN REFERENCE
 PB. 11 - PG. 2 FB. 65 - PG. 16

ZONING DESIGNATION
 SINGLE RESIDENCE DISTRICTS- RC

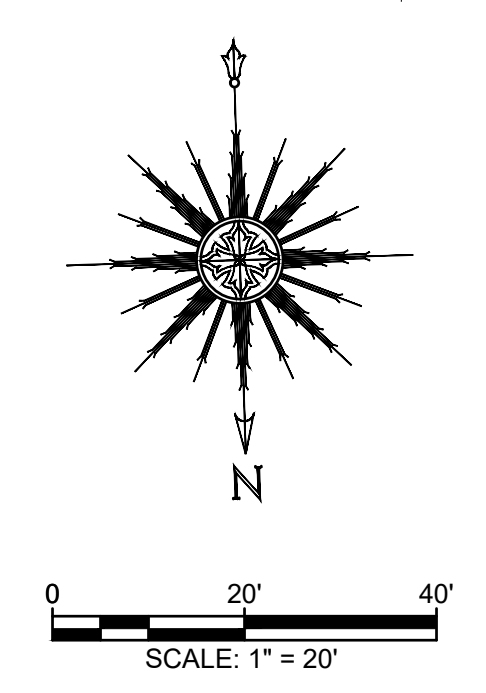
VERTICAL DATUM SHOWN
 NAVD88

FEMA FLOODZONE DESIGNATION
 ZONE X- AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. AS SCALED FROM FLOOD INSURANCE RATE MAP NUMBER: 25005-C-0413F, EFFECTIVE DATE: 7/7/2009

NOTE:
 THE WETLAND DELINEATION LINE SHOWN HEREON WAS BASED ON A PLAN BY ALLEN D. QUINTIN, DATED JANUARY 11, 2017 AND WAS NOT FIELD LOCATED BY PRIME ENGINEERING INC. DELINEATION APPROVED BY FAIRHAVEN CONSERVATION COMMISSION.

ELEV. (FEET)	TP-1 (INCHES)	DEPTH (INCHES)	ELEV. (FEET)	TP-2 (INCHES)	DEPTH (INCHES)
64.3	0	0	64.2	0	0
59.30	60	60	59.20	60	60
58.30	72	72	58.20	72	72
58.30	96	96	56.20	96	96
58.30	96	96	55.20	108	108

SEEPAGE ENCOUNTERED @ 60"



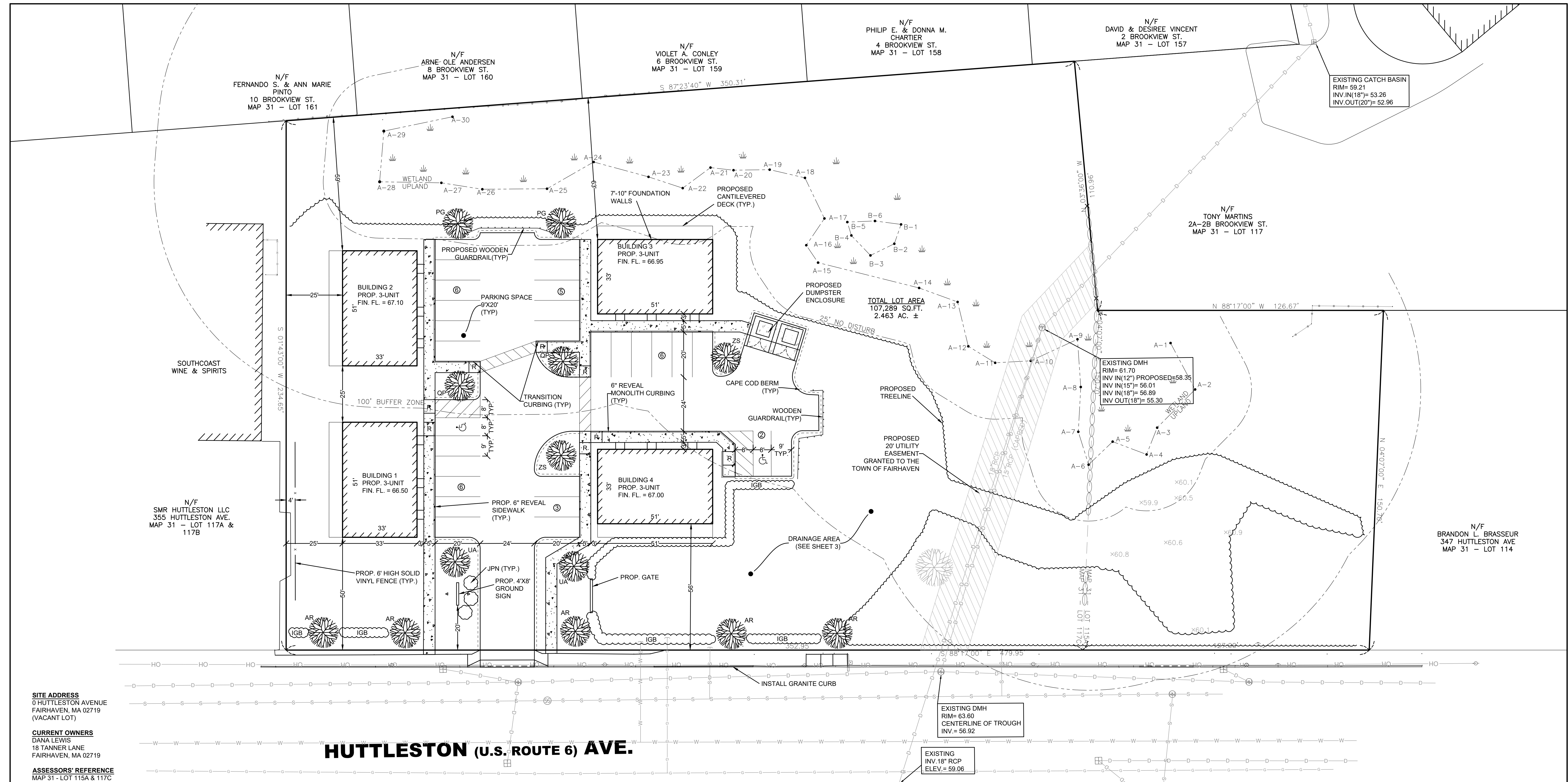
REV	DATE	DESCRIPTION	BY	APP.
10	8/5/2021	GENERAL REVISIONS	SWL	RJR
9	7/9/2021	GENERAL REVISIONS	SWL	RJR
8	1/28/2021	PEER REVIEW COMMENTS INCORPORATED	SEK	RJR
7	12/7/2020	GENERAL REVISIONS	SEK	RJR
6	7/8/2020	GENERAL REVISIONS	SWL	RJR
5	6/25/2020	RESPONSE TO COMMENTS	SWL	RJR
4	2/14/2020	RESPONSE TO COMMENTS	SWL	RJR
3	1/22/2020	RESPONSE TO COMMENTS	SWL	RJR
2	12/4/2019	RESPONSE TO COMMENTS	SWL	RJR
1	11/8/2019	RESPONSE TO COMMENTS	SWL	RJR

DRAWING TITLE		EXISTING CONDITIONS PLAN		SCALE	1" = 20'
PROJECT		MAP 31- LOT 117C FAIRHAVEN, MASSACHUSETTS		DATE:	SEPT. 9, 2019
CLIENT		DANA LEWIS FAIRHAVEN, MASSACHUSETTS		DRAWN BY:	SWL
DESIGNED BY:		RJR		CHECKED BY:	RJR
APPROVED BY:		RJR		PROJECT NO.:	2729-01-01

PRIME ENGINEERING INC.
 P.O. BOX 1088
 350 BEDFORD ST.
 LAKEVILLE, MA 02347
 TEL: 508.947.0050
 FAX: 508.947.2004

RICHARD J. RHEAUME
 No. 28373
 CIVIL
 REGISTERED

SHEET NO. 1 OF 7



SITE ADDRESS
0 HUTTLESTON AVENUE
FAIRHAVEN, MA 02719
(VACANT LOT)

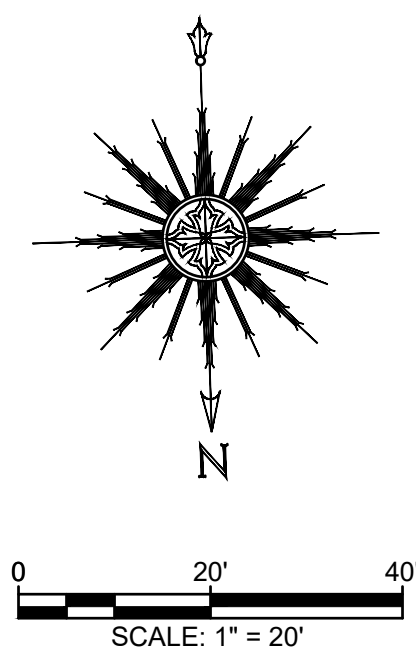
CURRENT OWNERS
DANA LEWIS
18 TANNER LANE
FAIRHAVEN, MA 02719

ASSESSORS' REFERENCE
MAP 31 - LOT 115A & 117C

HUTTLESTON (U.S. ROUTE 6) AVE.

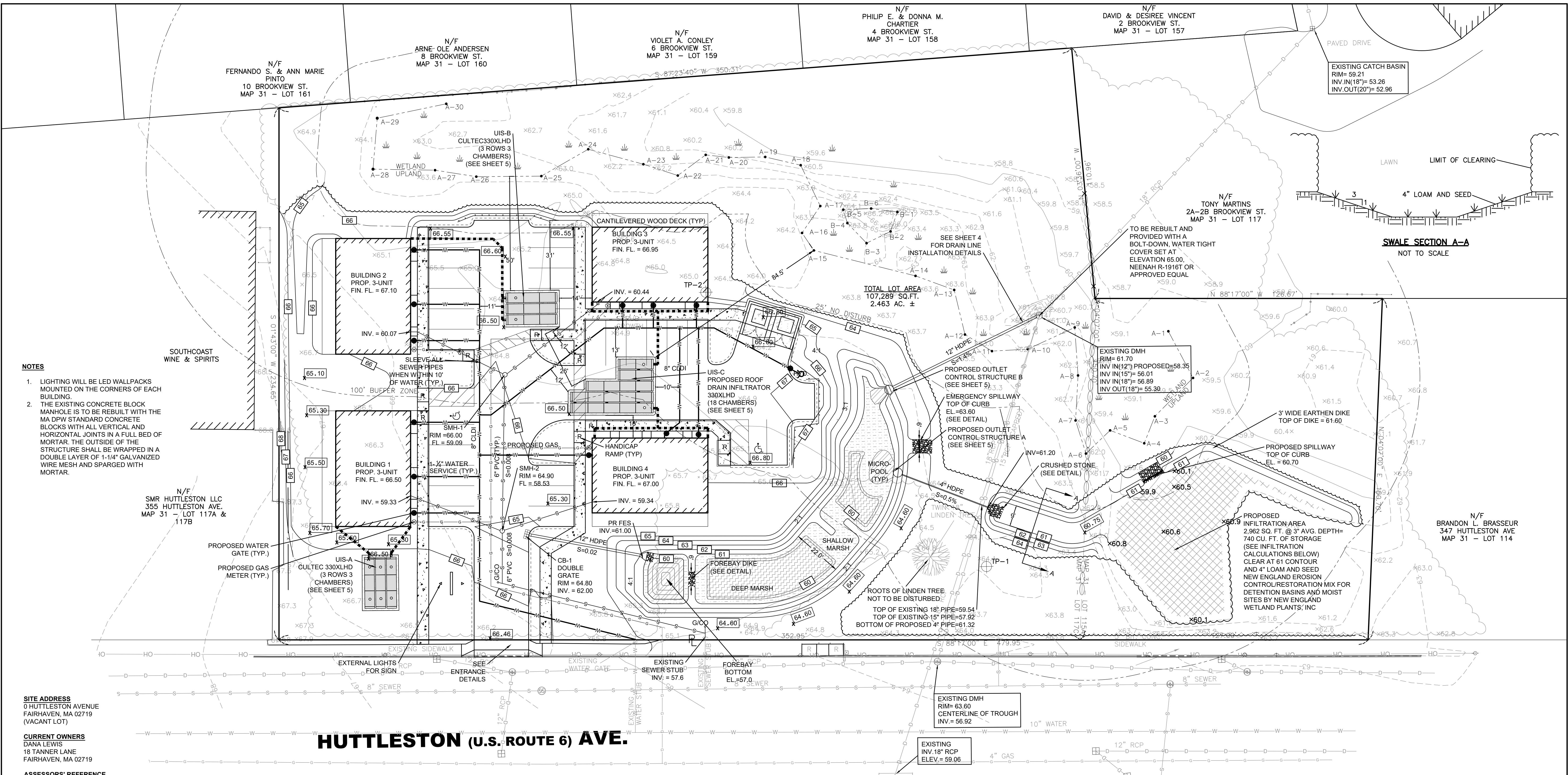
LOT 2 PLANTING SCHEDULE (REQUIRED TREES ONLY)						
DECIDUOUS TREES						
SYMBOL	QUANTITY	% OF TOTAL	BOTANICAL NAME	COMMON NAME	SIZE	MATURE HEIGHT / MATURE WIDTH
AR	5	40%	ACER RUBRUM 'RED SUNSET'	RED MAPLE	2.5"-3 CAL.	60' / 40'
QP	2	15%	QUERCUS PALUSTRIS	PIN OAK	2.5"-3 CAL.	65' / 50'
UA	2	15%	ULMUS AMERICANA 'VALLEY FORGE'	VALLEY FORGE ELM	2.5"-3 CAL.	70' / 60'
ZS	2	15%	ZELKOVA SERRATA 'VILLAGE GREEN'	JAPANESE ZELKOVA	2.5"-3 CAL.	60' / 60'
% DECIDUOUS TREES: 85%						
EVERGREEN TREES						
PG	2	15%	PICEA GLAUCA	BLUE SPRUCE	4'-6' HT.	75' / N/A
SHRUBS						
IGB	75	-	ILEX GABRA	INKBERRY HOLLY	GAL	4' / 4'
JPN	4	-	JUNIPER PROCUMBENS NANA	DWARF JAPANESE JUIPER	GAL	1' / 3'

RC ZONING TABLE		
REQUIREMENT	REQUIRED	PROVIDED
MINIMUM FRONTAGE	100 LF.	479.95 LF.
MINIMUM LOT AREA	15,000 S.F.	107,289 S.F.
MINIMUM SETBACKS:		
FRONT	50 FT.	50.0 FT.
SIDES	25 FT.	25.0 FT.
REAR	50 FT.	59.4 FT.
MINIMUM CONTIGUOUS UPLAND	70,000 S.F.	85,151 S.F.
MAXIMUM LOT COVERAGE	50%	21.9%
MAXIMUM BUILDING COVERAGE	25%	6.3%



REV	DATE	DESCRIPTION	BY	APP.
10	8/5/2021	GENERAL REVISIONS	SWL	RJR
9	7/9/2021	GENERAL REVISIONS	SWL	RJR
8	1/28/2021	PEER REVIEW COMMENTS INCORPORATED	SEK	RJR
7	12/7/2020	GENERAL REVISIONS	SEK	RJR
6	7/8/2020	GENERAL REVISIONS	SWL	RJR
5	6/25/2020	RESPONSE TO COMMENTS	SWL	RJR
4	2/14/2020	RESPONSE TO COMMENTS	SWL	RJR
3	1/22/2020	RESPONSE TO COMMENTS	SWL	RJR
2	12/4/2019	RESPONSE TO COMMENTS	SWL	RJR
1	11/8/2019	RESPONSE TO COMMENTS	SWL	RJR

DRAWING TITLE		SCALE: 1" = 20'	
PROJECT		DATE: SEPT. 9, 2019	
CLIENT		DRAWN BY: SWL	
MAP 31- LOT 117C FAIRHAVEN, MASSACHUSETTS DANA LEWIS FAIRHAVEN, MASSACHUSETTS		DESIGNED BY: RJR	
PRIME ENGINEERING <small>P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.2004</small>		CHECKED BY: RJR	
<small>CIVIL ENGINEERING LAND SURVEYING ENVIRONMENTAL ASSESSMENT</small>		APPROVED BY: RJR	
		SHEET NO. 2 OF 7	
		PROJECT NO. 2729-01-01	



- NOTES**
- LIGHTING WILL BE LED WALLPACKS MOUNTED ON THE CORNERS OF EACH BUILDING
 - THE EXISTING CONCRETE BLOCK MANHOLE IS TO BE REBUILT WITH THE MA DPW STANDARD CONCRETE BLOCKS WITH ALL VERTICAL AND HORIZONTAL JOINTS IN A FULL BED OF MORTAR. THE OUTSIDE OF THE STRUCTURE SHALL BE WRAPPED IN A DOUBLE LAYER OF 1-1/4" GALVANIZED WIRE MESH AND SPARGED WITH MORTAR.

SITE ADDRESS
 0 HUTTLESTON AVENUE
 FAIRHAVEN, MA 02719
 (VACANT LOT)

CURRENT OWNERS
 DANA LEWIS
 18 TANNER LANE
 FAIRHAVEN, MA 02719

ASSESSORS' REFERENCE
 MAP 31 - LOT 115A & 117C

DEED REFERENCE
 BK. 12776 - PG. 341

PLAN REFERENCE
 PB. 11 - PG. 2 PB. 65 - PG. 16

ZONING DESIGNATION
 SINGLE RESIDENCE DISTRICTS- RC

VERTICAL DATUM SHOWN
 NAVD88

FEMA FLOODZONE DESIGNATION
 ZONE X- AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. AS SCALED FROM FLOOD INSURANCE RATE MAP NUMBER:25005-C-0413F, EFFECTIVE DATE: 7/7/2009

NOTE:
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HUTTLESTON (U.S. ROUTE 6) AVE.

RECHARGE CALCULATION

ALL ROOF DRAINAGE TO FLOW TO CULTEC 330XLHD UNDERGROUND INFILTRATORS
 REQUIRED STORM DEPTH = 0.25"/SF OF IMP. AREA
 INFILTRATION REQUIREMENT = 23,478 SF IMP. X 0.25"/SF = 490 CF
 PROPOSED 36 CULTEC 330XLHD CHAMBERS = 1,978 CF (CHAMBER STORAGE)
 1,978 CF OF STORAGE PROPOSED > 490 CF OF STORAGE REQUIRED
 DESIGN MEETS REQUIREMENT

INFILTRATION CALCULATIONS

INFILTRATION REQUIREMENT = 23,449 SF OF PR IMP. X 65% = 15,242 SF
 MINUS ROOF AREA (100% INFILTRATED) = 15,242 - 6,732 = 8,510 SF REQUIRED
 VOLUME = 0.25" RAINFALL X 8,510 SF = 178 CF REQUIRED
 740 CF PROVIDED IN INFILTRATION AREA > 178 CF REQUIRED

DEEP MARSH PLANTINGS

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
NUPHAR LUTEUM	YELLOW WATER LILY	TUBERS	10
NYMPHAEA ODORATA	WHITE WATER LILY	TUBERS	10
PONTERDERIA CORDATA	PICKEREL WEED	2" PLUG	20
POTAMOGETON NODOSUS	LONG LEAF PONDWEED	RHIZOMES	10
POTAMOGETON	SAGO PONDWEED	TUBERS	10
PECTINATUS			
VALLISNERIA AMERICANA	WILD CELERY	TUBERS	10

SHALLOW MARSH PLANTINGS

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
ACORUS AMERICANA	SWEET FLAG	2" PLUG	10
AJUCA	WATER PLANTAIN		10
SUBCORDATUM		2" PLUG	20
SYMPHYTRICHUM PUNICUEM	SWAMP ASTER	2" PLUG	20
CALAMAGROSTIS CANADENSIS	BLUE JOINT GRASS	2" PLUG	20
CAREX COMOSA	BEARDED SEDGE	2" PLUG	20
CAREX STRICTA	TUSsock SEDGE	2" PLUG	20

DETENTION BASIN PLANTING SCHEDULE

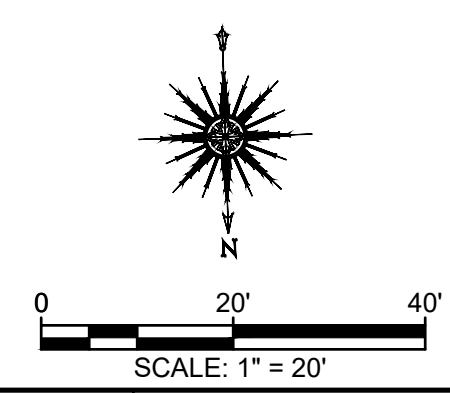
TOP OF PIPE CALCULATIONS

EXISTING 15" RCP CAPPED
 SLOPE = (56.92 - 56.01) / 159 FT = .0057 SLOPE
 INV. AT PIPE CROSSING = 56.92 - (66 FT TO BASIN X .0057) = 56.54
 TOP EL. OF PIPE AT CROSSING = 56.54 + 1.25 FT DIAM. + .21 PIPE THICKNESS = 58.00

EXISTING 18" RCP
 SLOPE = (59.06 - 56.89) / 209 FT = .0103 SLOPE
 INV. AT BASIN = 59.06 - (119 FT TO BASIN X .0103) = 57.83
 TOP EL. OF PIPE AT CROSSING = 57.83 + 1.5 FT DIAM. + .21 PIPE THICKNESS = 59.54

LEGEND

100	EXISTING CONTOURS	10	8/5/2021	GENERAL REVISIONS	SWL	RJR
x 98.5	EXISTING SPOT ELEVATION	9	7/9/2021	GENERAL REVISIONS	SWL	RJR
TP-101	OBSERVATION HOLE LOCATION	8	1/28/2021	PEER REVIEW COMMENTS INCORPORATED	SEK	RJR
100.0	PROPOSED CONTOURS	7	12/7/2020	GENERAL REVISIONS	SEK	RJR
100.0	PROPOSED SPOT ELEVATION	6	7/8/2020	GENERAL REVISIONS	SWL	RJR
	PROPOSED WATER	5	6/25/2020	RESPONSE TO COMMENTS	SWL	RJR
	EXISTING TREELINE	4	2/14/2020	RESPONSE TO COMMENTS	SWL	RJR
	PROPOSED TREELINE	3	1/22/2020	RESPONSE TO COMMENTS	SWL	RJR
R	HANDICAP RAMP	2	12/4/2019	RESPONSE TO COMMENTS	SWL	RJR
	PROPOSED GAS	1	11/8/2019	RESPONSE TO COMMENTS	SWL	RJR
	PROPOSED SEWER	REV	DATE	DESCRIPTION	BY	APP.



DRAWING TITLE
 GRADING AND UTILITIES PLAN

PROJECT
 MAP 31- LOT 117C
 FAIRHAVEN, MASSACHUSETTS

CLIENT
 DANA LEWIS
 FAIRHAVEN, MASSACHUSETTS

SCALE
 1" = 20'

DATE: SEPT. 9, 2019

DRAWN BY: SWL

DESIGNED BY: RJR

CHECKED BY: RJR

APPROVED BY: RJR

PROJECT NO.: 2729-01-01

SHEET NO.: 3 OF 7

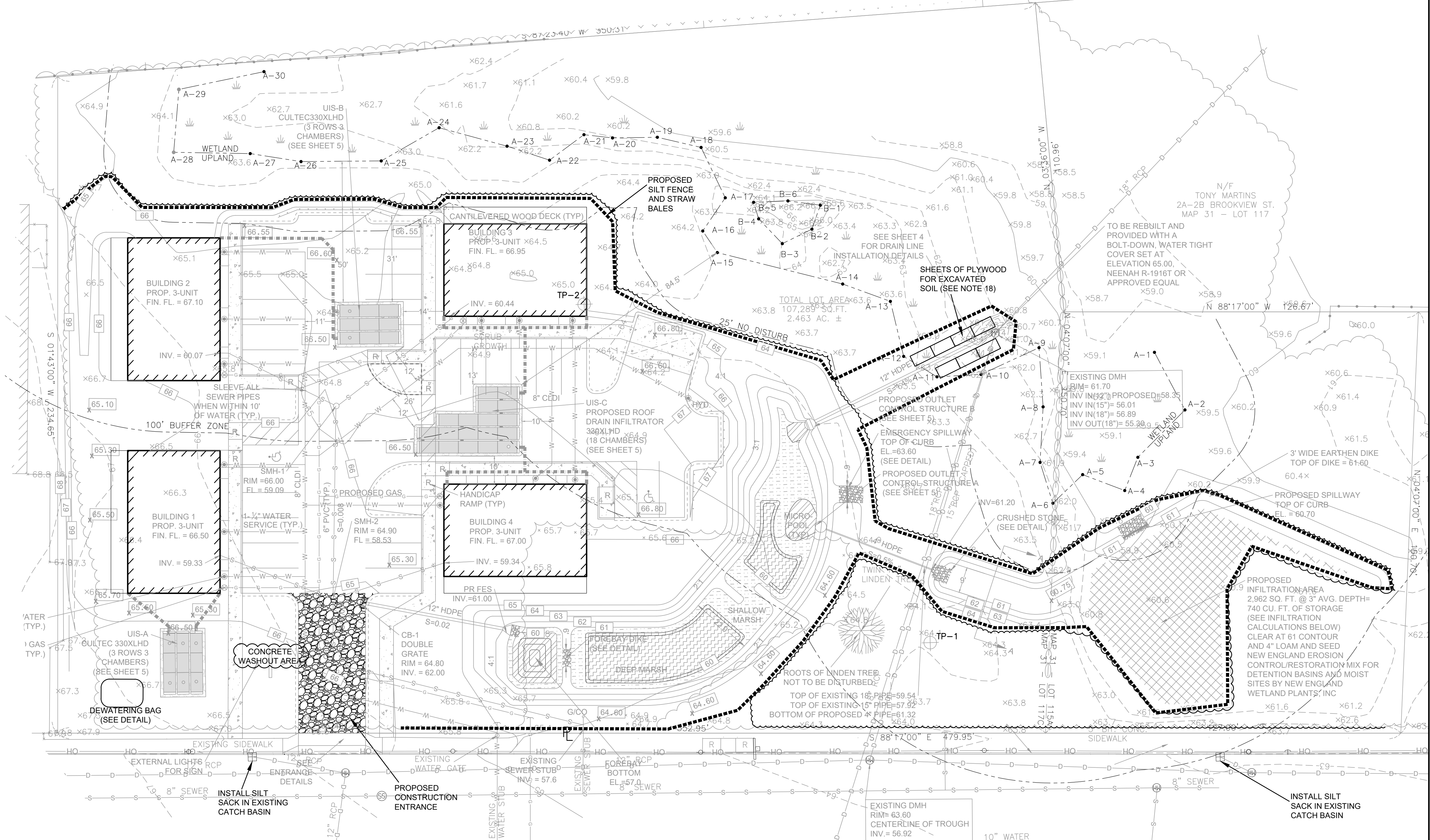
PRIME ENGINEERING
 P.O. BOX 1088
 350 BEDFORD ST.
 LAKEVILLE, MA 02347
 TEL: 508.947.0050
 FAX: 508.947.2004

CIVIL ENGINEERING
LAND SURVEYING
ENVIRONMENTAL ASSESSMENT

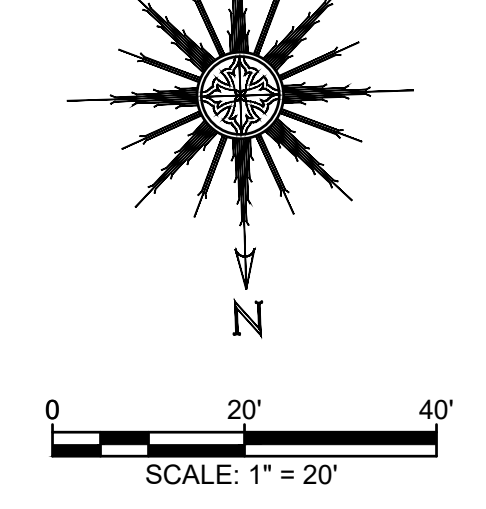
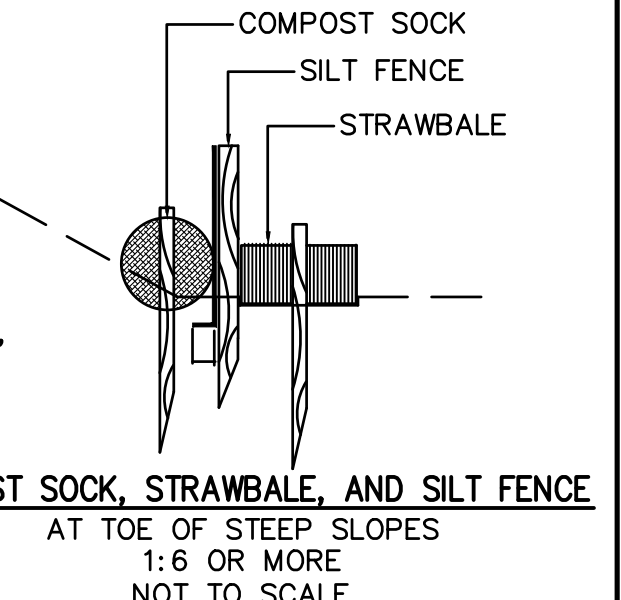
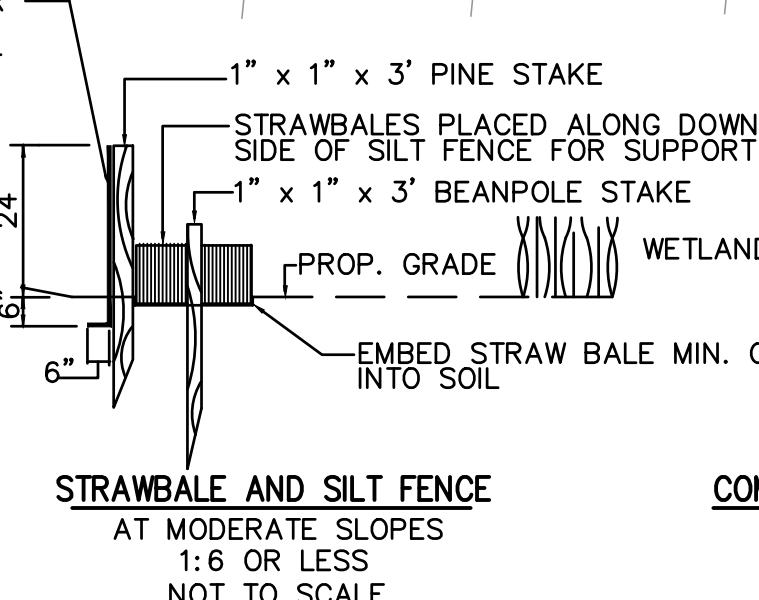
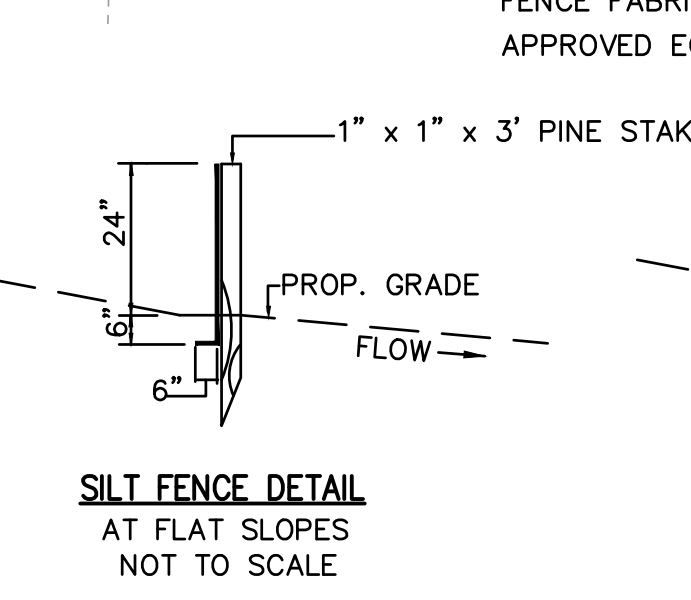
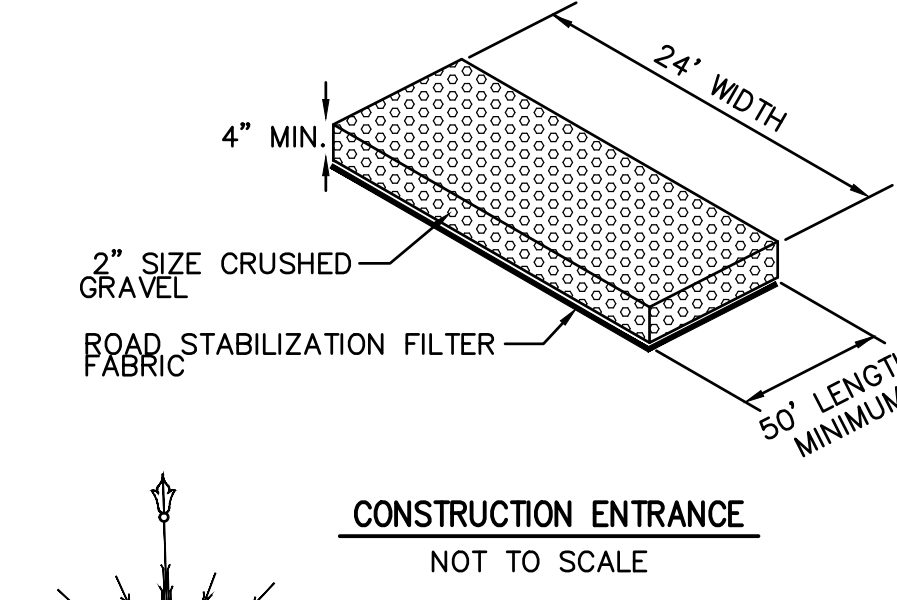
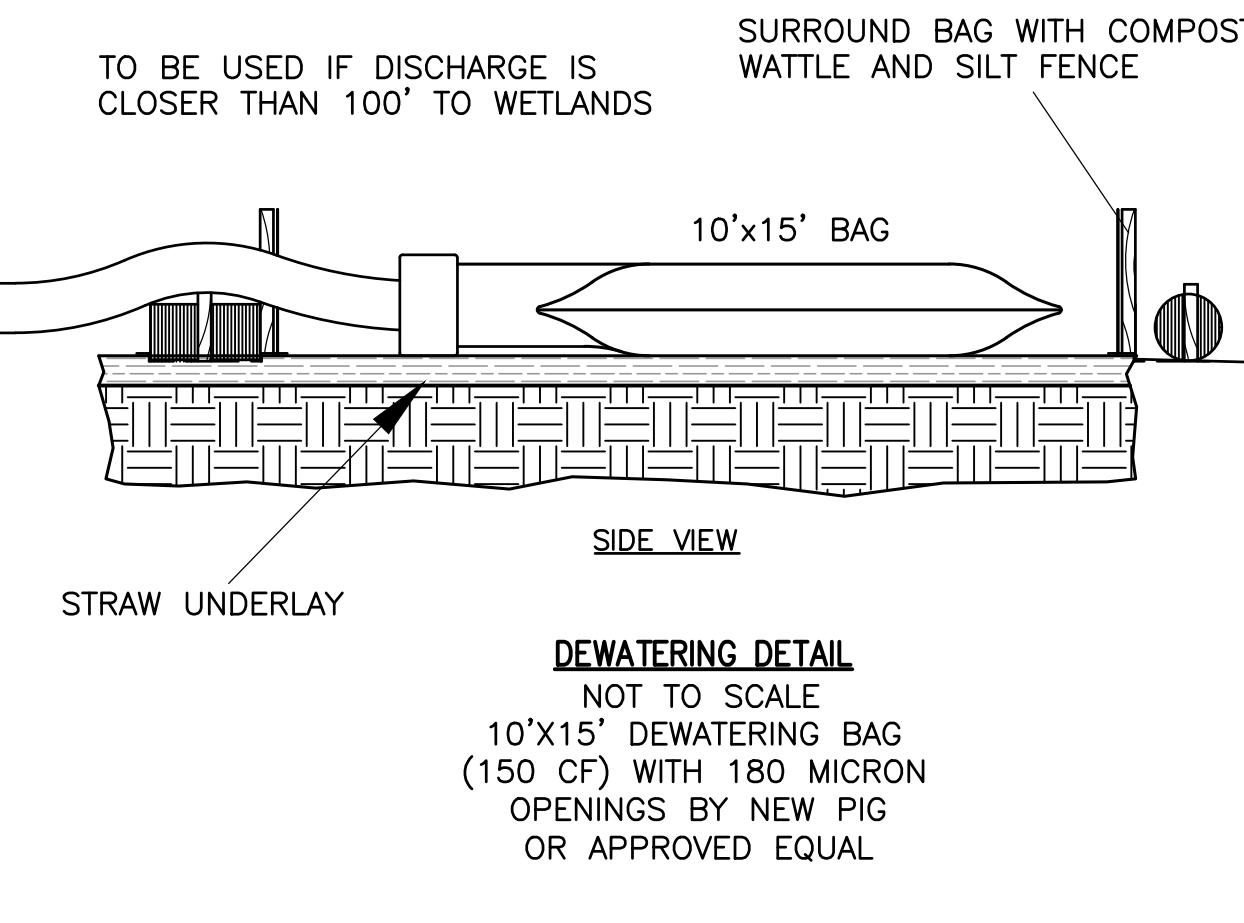
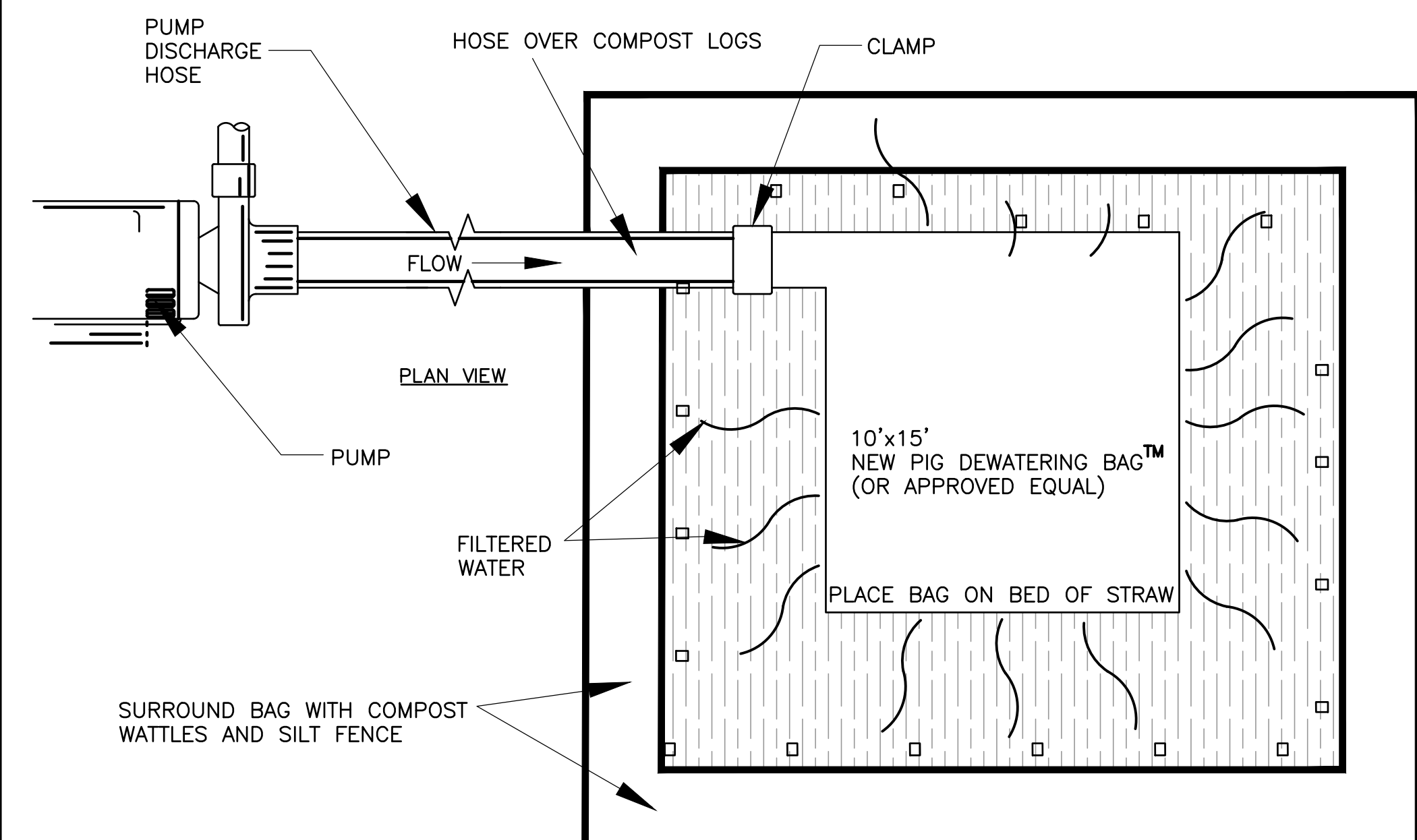
RICHARD A. RHEAUME
 CIVIL ENGINEER
 REG. NO. 28373

EROSION & SEDIMENT CONTROL NOTES:

- THE FOLLOWING IS THE MINIMUM REQUIREMENTS THE CONTRACTOR SHALL FOLLOW TO PREVENT IMPACTS CAUSED BY EROSION AND SEDIMENTATION DURING CONSTRUCTION. THE CONTRACTOR MAY, AT HIS DISCRETION, IMPLEMENT ADDITIONAL MEASURES IF NECESSARY.
- EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO STUMP REMOVAL AND CONSTRUCTION. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL MUNICIPAL REGULATIONS. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION. A STAKED STRAW BALE DAM SHALL BE INSTALLED DOWN GRADIENT OF ALL DRAINAGE OUTFALLS.
 - ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER OR AGENTS OF THE OWNER.
 - CATCH BASINS WILL BE PROTECTED WITH STRAW BALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. FILTER FABRIC SHOULD BE INSTALLED UNDER GRATE OPENING UNTIL PAVEMENT IS IN PLACE AND GROUND SURFACE IS STABILIZED.
 - SEEDING MIXTURE FOR FINISHED GRASSED AREAS WILL BE AS FOLLOWS:
 KENTUCKY BLUE GRASS 45%
 CREEPING RED FESCUE 45%
 PERENNIAL RYEGRASS 10%
 SEED TO BE APPLIED AT A RATE OF 4 LBS./1000 SQ. FT.
 FERTILIZER SHALL BE APPLIED AT A RATE OF 2 LBS./1000 SQ. FT.
 PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 1. AFTER OCTOBER 1, AREAS WILL BE STABILIZED WITH STRAWBALE CHECK, FILTER FABRIC, OR WOODCHIP MULCH, AS REQUIRED, TO CONTROL EROSION.
 - AREAS TO BE LEFT BARE BEFORE FINISHED GRADING AND SEEDING IS ACHIEVED, SHALL RECEIVE A TEMPORARY SEEDING OF PERENNIAL RYEGRASS APPLIED TO A RATE OF 2 LBS./1,000 SQ. FT. AT A DEPTH OF 1/2 INCH LIMESTONE (EQUIVALENT TO BE 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) SHALL BE APPLIED AS SEEDBED PREPARATION AT A RATE OF 90 LBS./1,000 SQ. FT. PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 1. WHERE GRASS PREDOMINATES, FERTILIZE ACCORDING TO A SOIL TEST AT A MINIMUM APPLICATION RATE OF 1 LB. OF NITROGEN PER 1,000 SQ. FT. AREAS TO BE LEFT BARE BEFORE FINISH GRADING AND SEEDING OUTSIDE OF PLANTING SEASONS SHALL RECEIVE AN AIR-DRYED WOOD CHIP MULCH, FREE OF COARSE MATTER, TREATED WITH 1-2 LBS. NITROGEN PER TON, APPLIED AT A RATE OF 185-275 LBS./1,000 SQ. FT.
 - AT ALL PROPOSED FILL AREAS WHICH ARE NOT CURRENTLY SHOWN ON THESE PLANS, THE CONTRACTOR SHALL ESTABLISH AN EROSION CONTROL LINE (STRAW BALE CHECK OR FILTER FABRIC) ABOUT TEN (10) FEET FROM TOE TO SLOPE OF PROPOSED FILL AREAS PRIOR TO BEGINNING FILL INSTALLATION. STABILIZATION OF SLOPES IN FILL AREAS (USING MULCH OR GRASS) SHALL BE INITIATED WITHIN THIRTY (30) DAYS OF COMMENCEMENT OF FILL INSTALLATION.
 - STABILIZATION OF SLOPES IN CUT AREAS (USING MULCH OR GRASS) AND THE INSTALLATION OF CONTROL LINE (STRAW BALE CHECK OR FILTER FABRIC) AT THE TOE OF SLOPE SHALL BE INITIATED WITHIN THIRTY (30) FEET.
 - SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN. ALL STRAW BALES OR SILT FENCE RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS SHALL BE REPAIRED OR REPLACED.
 - CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
 - THE CONTRACTOR SHALL SECURE THE SERVICES OF A PROFESSIONAL ENGINEER, WHO SHALL VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED, SHALL MAKE INSPECTION OF SUCH FACILITIES NOT LESS FREQUENTLY THAN EVERY 14 DAYS OR AFTER A RAINFALL IN EXCESS OF 1/4 INCH, WHICHEVER OCCURS FIRST.
 - STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN THIRTY (30) DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH. IF SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED IN PLACE OF STRAW BALES. SIDE SLOPES SHALL NOT EXCEED 2:1.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO SPRINKLING OF WATER ON EXPOSED SOILS AND HAUL ROADS AS NEEDED. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC.
 - IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS.
 - STRAW BALES SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.
 - WHERE Dewatering IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BOWL, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, OR FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF A PUMP OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED. SAID DISCHARGE POINTS SHALL BE LOCATED OVER 100 FEET FROM THE DELINEATED WETLANDS AS INDICATED ON THIS PLAN.
 - THE CONTRACTOR SHALL OBTAIN AN NPDES PERMIT PRIOR TO THE START OF CONSTRUCTION.
 - THE INSTALLATION OF THE DRAIN LINE IN THE WETLANDS SHOULD BE DONE BY A SMALL BACKHOE, SUCH AS A BOBCAT, OPERATING ON MATS. THE ORGANIC TOPSOIL SHALL BE SEGREGATED FROM THE UNDERLYING SOIL ON PLYWOOD. THE UNDERLYING SOIL SHALL ALSO BE PLACED ON PLYWOOD. THE PROCESS SHALL BE OBSERVED BY AN AGENT FROM PRIME ENGINEERING. ONCE THE PIPE IS INSTALLED IT SHALL BE BACKFILLED SO THE ORGANIC TOPSOIL IS AT THE SURFACE AND IS SEED WITH A WETLAND SEED MIX.

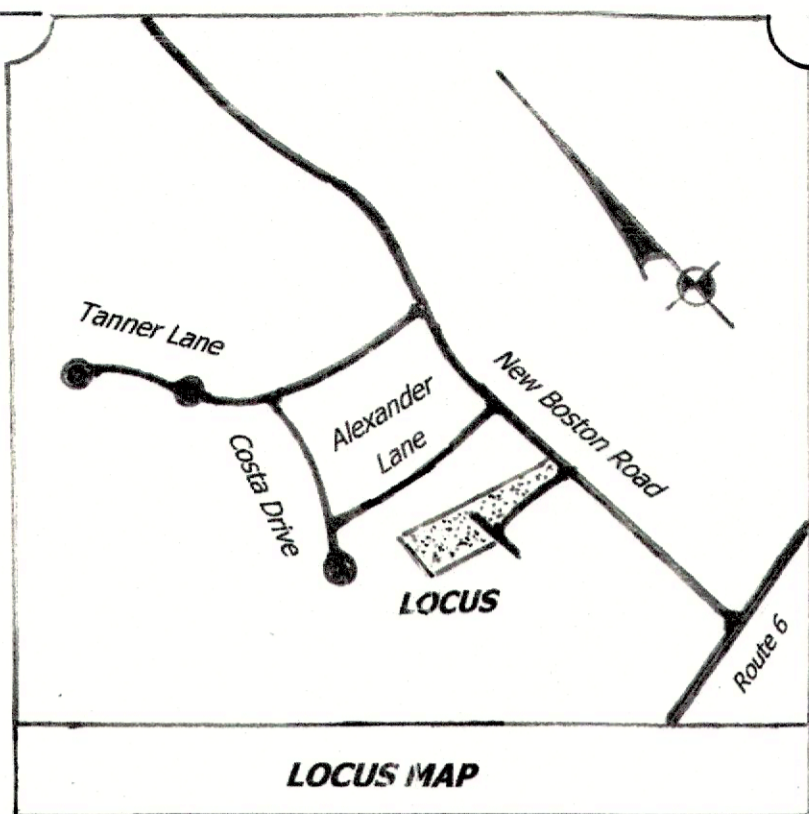
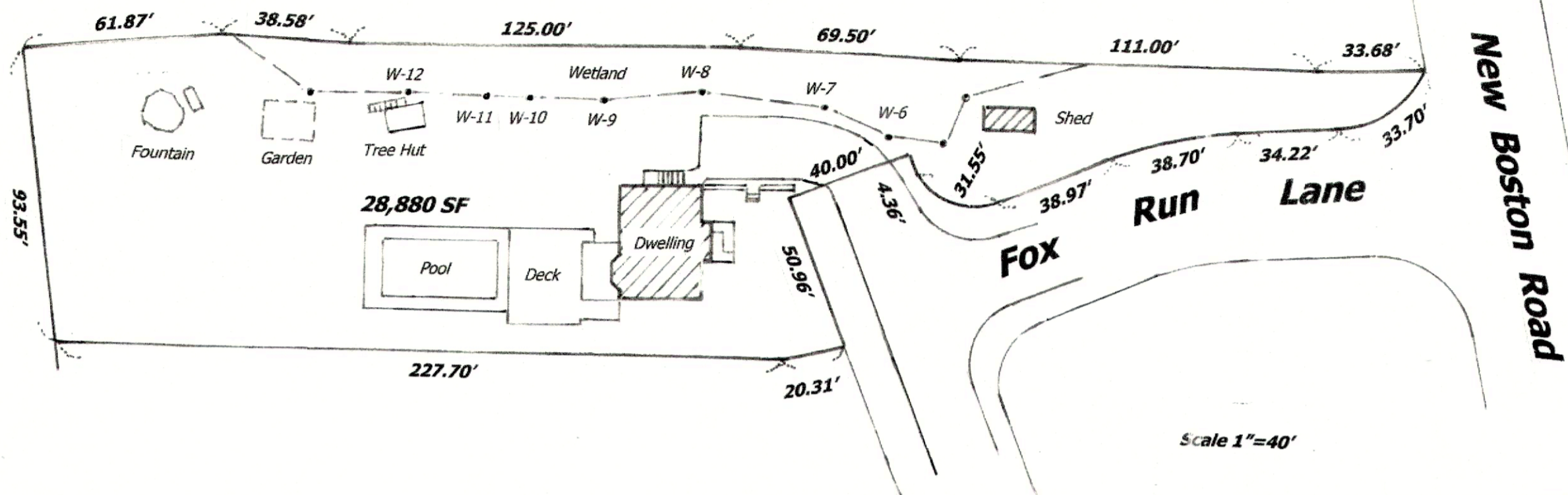


HITTLESTON (U.S. ROUTE 6) AVE.



REV	DATE	DESCRIPTION	BY	APP.
10	8/5/2021	GENERAL REVISIONS	SWL	RJR
9	7/9/2021	GENERAL REVISIONS	SWL	RJR
8	1/28/2021	PEER REVIEW COMMENTS INCORPORATED	SEK	RJR
7	12/7/2020	GENERAL REVISIONS	SEK	RJR
6	7/8/2020	GENERAL REVISIONS	SWL	RJR
5	6/25/2020	RESPONSE TO COMMENTS	SWL	RJR
4	2/14/2020	RESPONSE TO COMMENTS	SWL	RJR
3	1/22/2020	RESPONSE TO COMMENTS	SWL	RJR
2	12/4/2019	RESPONSE TO COMMENTS	SWL	RJR
1	11/8/2019	RESPONSE TO COMMENTS	SWL	RJR

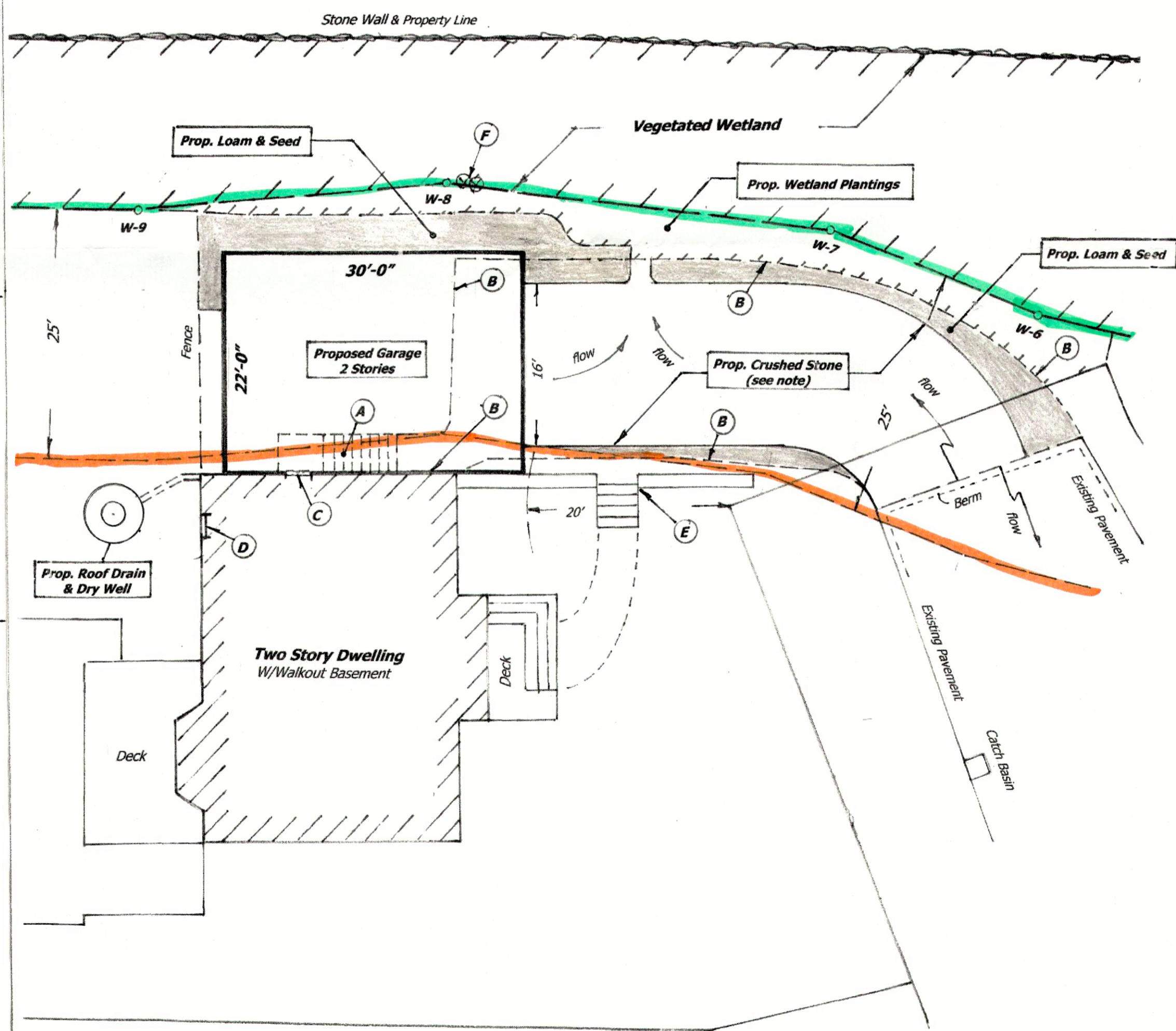
GENERAL REVISIONS	SWL	RJR	DRAWING TITLE EROSION CONTROL PLAN	SCALE 1" = 20'
GENERAL REVISIONS	SWL	RJR		
PEER REVIEW COMMENTS INCORPORATED	SEK	RJR	PROJECT MAP 31- LOT 117C FAIRHAVEN, MASSACHUSETTS	DATE SEPT. 9, 2019
GENERAL REVISIONS	SEK	RJR		
GENERAL REVISIONS	SWL	RJR	CLIENT DANA LEWIS FAIRHAVEN, MASSACHUSETTS	DRAWN BY: SWL
RESPONSE TO COMMENTS	SWL	RJR		
RESPONSE TO COMMENTS	SWL	RJR	DESIGNED BY: RJR	CHECKED BY: RJR
RESPONSE TO COMMENTS	SWL	RJR		
RESPONSE TO COMMENTS	SWL	RJR	APPROVED BY: RJR	SHEET NO. 4 OF 7
RESPONSE TO COMMENTS	SWL	RJR		
DESCRIPTION	BY	APP.	 P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.0054	PROJECT NO. 2729-01-01



GENERAL NOTES
 ZONING DISTRICT IS "RESIDENCE A"
 MINIMUM SETBACK REQUIREMENTS: FRONT 20' REAR 30' SIDE 10'
 PROPERTY IS LOCATED IN THE NASKETUCKET RIVER BASIN DISTRICT.
 PROPERTY IS ALSO LOCATED IN ZONE C AREA OF MINIMAL FLOODING.
 TOTAL LOT AREA IS 28,880 SF
 TOTAL WETLAND AREA IS ABOUT 2,800 SF±

- LEGEND**
- (A) Existing Stairs (to be razed)
 - (B) Existing Paved Drive (see note)
 - (C) Existing 1st Floor Door
 - (D) Existing Walkout Basement Door
 - (E) Exist. Gran. Ret. Wall & Stairs
 - (F) Exist. Japanese Knotwood Plants (to be excavated & removed from site)

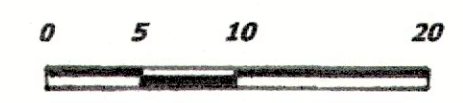
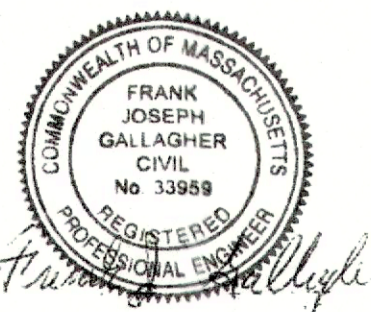
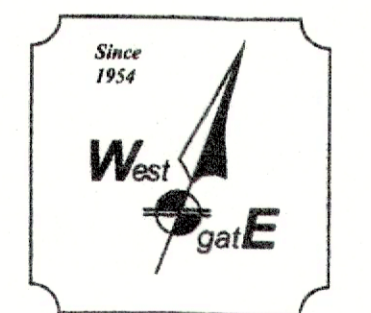
- NOTES**
1. Existing paved drive to be demolished and replaced with crushed stone and sloped to grade 3" below garage floor allowing flow to wetlands.
 2. Existing door on 1st floor of dwelling to open into 2nd floor of garage.
 3. Existing walkout door in basement to be utilized for (optional) entrance to first floor of garage. Location to be determined by Architect.
 4. All refuse and foreign objects to be removed from area within 25 ft. of wetland designated as a no-touch buffer zone.
 5. Floor elevation of garage to match existing basement floor of dwelling.
 6. Second floor elevation of garage to match dwelling first floor elevation.



GRADING
 Existing storm drainage pattern shows current runoff from driveway surface extending to the lowest point located at the northwesterly corner of the existing pavement – thence directly into the wetland. Proposed crushed stone surface provides for less contamination from grease, oil, pesticides or other foreign substances.

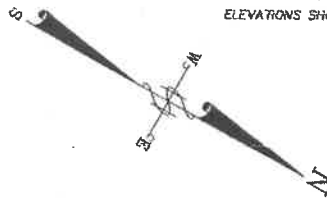
EROSION CONTROL
 Type of siltation barrier to be determined by Conservation Commission and, prior to any construction, shall be placed along edge of existing wetland extending east and west to points at least 25 feet from any proposed construction or disturbance. Additional barriers may be required as the project progresses and placed along the edge of proposed new wetland plantings. Type of species (or trees) will be determined by Conservation Commission and enumerated in their Order of Conditions.

SITE PLAN
 to accompany
NOTICE OF INTENT
 for
Proposed Garage Addition
4 Fox Run Lane
Fairhaven, Massachusetts
 Assessor Reference: 30-0452
 Owner/Applicant:
Justyna Kaisig Et Al
 Scale 1" = 10' August 25, 2021
 from the office of
F. W. Westgate & Associates
 Surveyors - Engineers - Land Planners
 189R Main Street Wareham, MA 02571
 (508) 295-8200
 fwestgate@aol.com

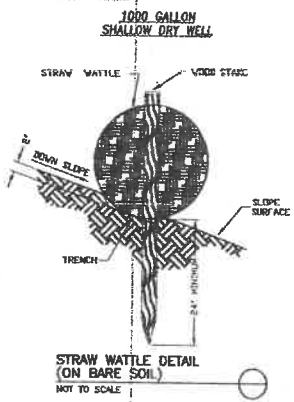
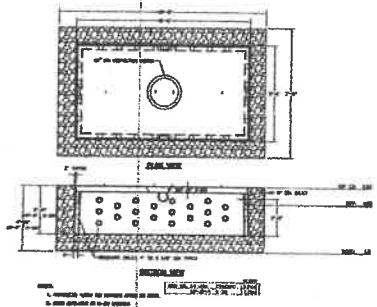
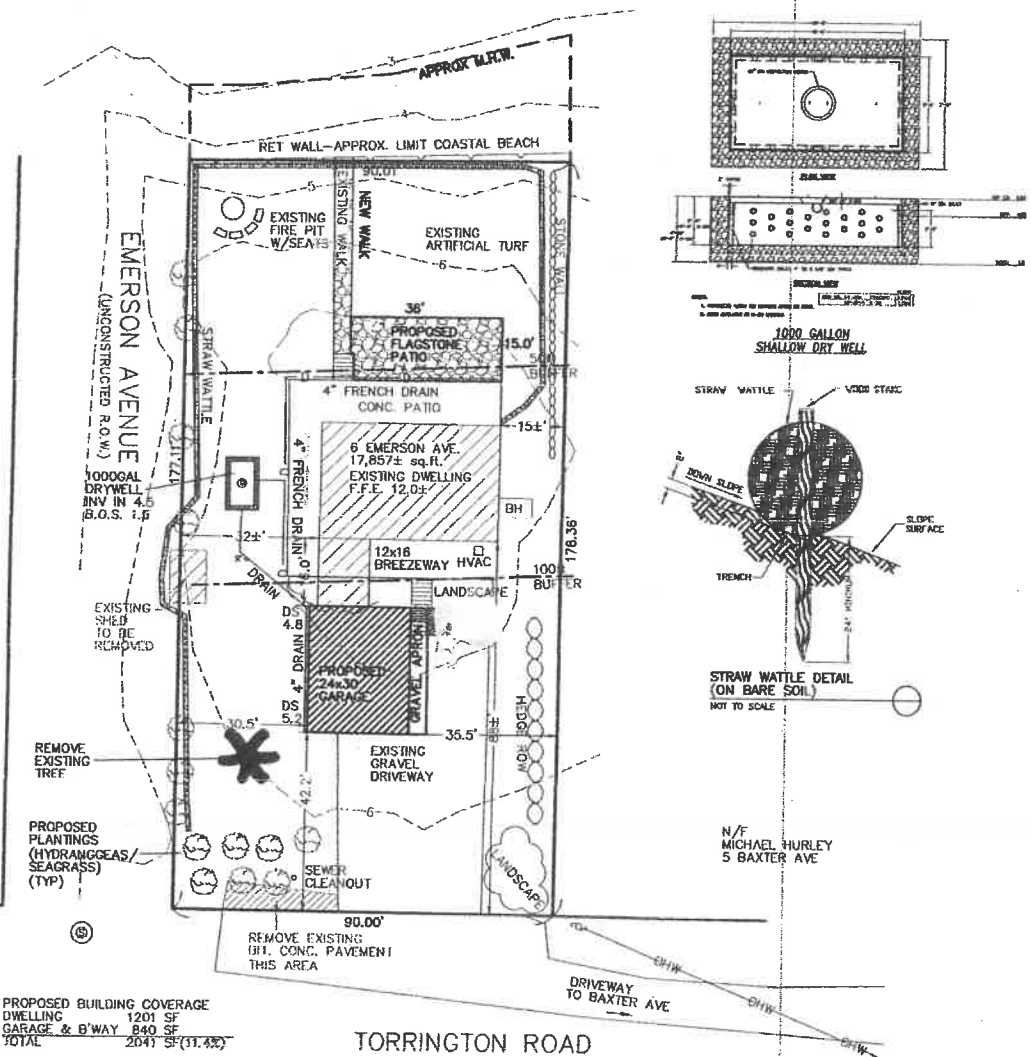


OWNER:
 NATALIE REIS
 8 EMERSON AVENUE
 FAIRHAVEN MA 02719
 ASSESSORS MAP 29A LOT 119-122
 DEED BOOK 11363 PAGE 66

ENTIRE SITE IS WITHIN FEMA VE16 ZONE
 PER PANEL 25005C00501F DATED 7/7/2009
 ELEVATIONS SHOWN HEREON BASED ON NAVD88 DATUM



BUZZARDS BAY



EXISTING BUILDING COVERAGE	
DWELLING	1201 SF
SHED	81 SF
TOTAL	1282 SF (7.2%)
EXISTING LOT COVERAGE	
DWELLING	1201 SF
SHED	81 SF
PATIO & WALK	1328 SF
RET WALLS	324 SF
TOTAL	2934 SF (16.4%)

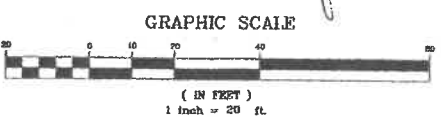
PROPOSED BUILDING COVERAGE	
DWELLING	1201 SF
GARAGE & B'WAY	840 SF
TOTAL	2041 SF (11.4%)
PROPOSED LOT COVERAGE	
DWELLING	1201 SF
GARAGE	780 SF
PATIO & WALK	1328 SF
FLAGSTONE PATIO	538 SF
RET WALLS	324 SF
TOTAL	4171 SF (23.3%)

TORRINGTON ROAD
 (UNCONSTRUCTED R.O.W.)



ZONING

ZONE	RR
LOT AREA	30,000 SF
FRONTAGE	140 FT.
BUILDING HEIGHT	35 FT.
LOT COVERAGE	25% MAX
BUILDING COVERAGE	15% MAX
FRONT YARD	30 FT.
SIDE YARD	20 FT.
REAR YARD	30 FT.

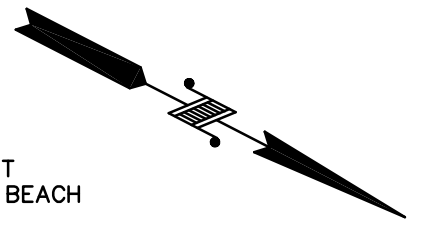


PROPOSED SITE PLAN
 6 EMERSON AVENUE
 FAIRHAVEN, MA
 FOR
NATLIE REIS

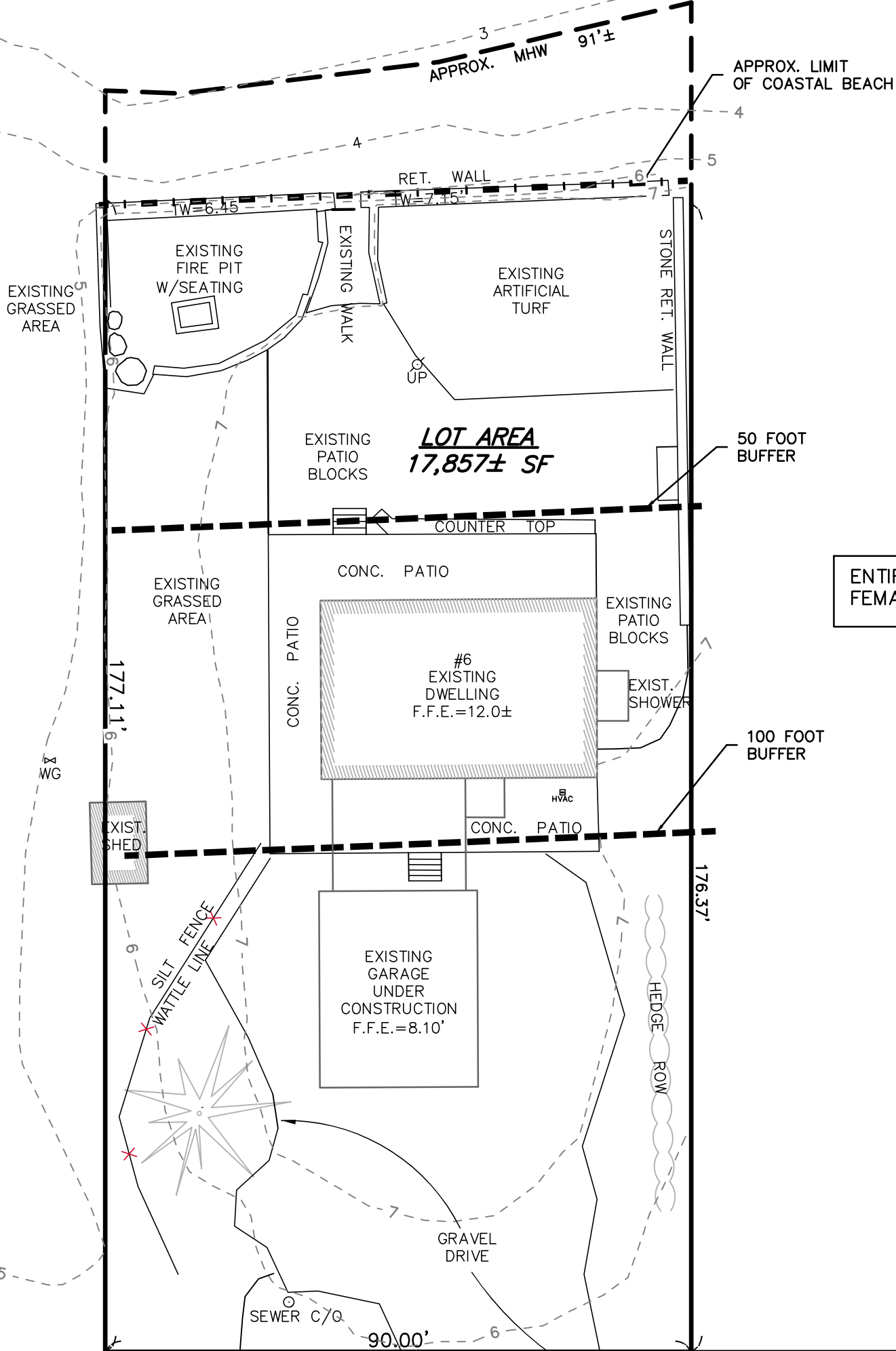
CIVIL ENVIRONMENTAL CONSULTANTS LLC
 8 OAK STREET PEABODY, MA 01960 (978)531-1191

SHEET NO: 1 OF 1 DATE 9/29/2020 JOB NO:
 DRAWN BY: L.J.B.

BUZZARDS BAY



EMERSON
BRUSH LINE
AVE.



ENTIRE SITE LIES WITHIN
FEMA FLOOD ZONE VE16

N/F
MICHAEL HURLEY
5 BAXTER AVE

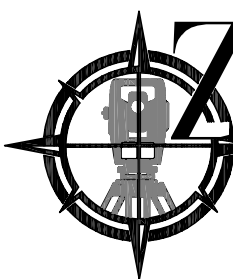
TORRINGTON ROAD

CONSERVATION AS-BUILT SURVEY

6 EMERSON AVENUE
IN
FAIRHAVEN, MA.

SCALE: 1" = 20'

DATE: AUGUST 25, 2021



ZLS
ZENITH LAND SURVEYORS, LLC
1162 ROCKDALE AVENUE
NEW BEDFORD, MA 02740
(508) 995-0100

THIS PLAN IS BASED ON AN INSTRUMENT
SURVEY PERFORMED BY ZENITH LAND
SURVEYORS, LLC ON 8/25/2021.

PROFESSIONAL LAND SURVEYOR DATE

