LEWIS LANDING

PROPOSED MULTI-UNIT RESIDENTIAL DEVELOPMENT HUTTLESTON AVE. FAIRHAVEN, MASSACHUSETTS

Locus

APPLICANT/OWNER:

DANA LEWIS 18 TANNER LANE FAIRHAVEN, MA 02719

LOCUS:

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

SCHEDULE OF DRAWINGS

DI ANI TITI E

	SHEET	NUMBER	PLAN	IIILE			
İ	-	- COVER SHEET					
	1		EXISTING C	ONDITIONS PLAN			
	2		SITE LAYOU	JT AND LANDSCAPING PL	ΑN		
	3		GRADING &	UTILITIES PLAN			
	4		EROSION CO	ONTROL PLAN			
	5		DETAIL SHE	ET-1			
	6		DETAIL SHE	ET-2			
	7		ARCHITECT	URALS			

CUEET NIIMPER

PLANNING BOARD WAIVERS REQUESTED FOR STORMWATER MANAGEMENT REGULATIONS

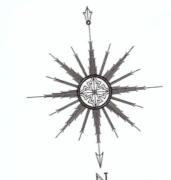
- FAIRHAVEN ZONING BYLAW 198-31.1 (C)
 (2) (g) [6] REQUIRING BASINS AND PONDS TO HAVE 4:1 SIDE SLOPES AND SEDIMENT FOREBAYS TO HAVE 3:1 SIDE SLOPES.
- 2. FAIRHAVEN ZONING BYLAW 198-31.1 (A) (1) (a) [2] ALLOWING NO INCREASE IN THE 10-YEAR STORM RUNOFF VOLUME DUE TO SOILS UNSUITABLE FOR INFILTRATION.



PREPARED BY:



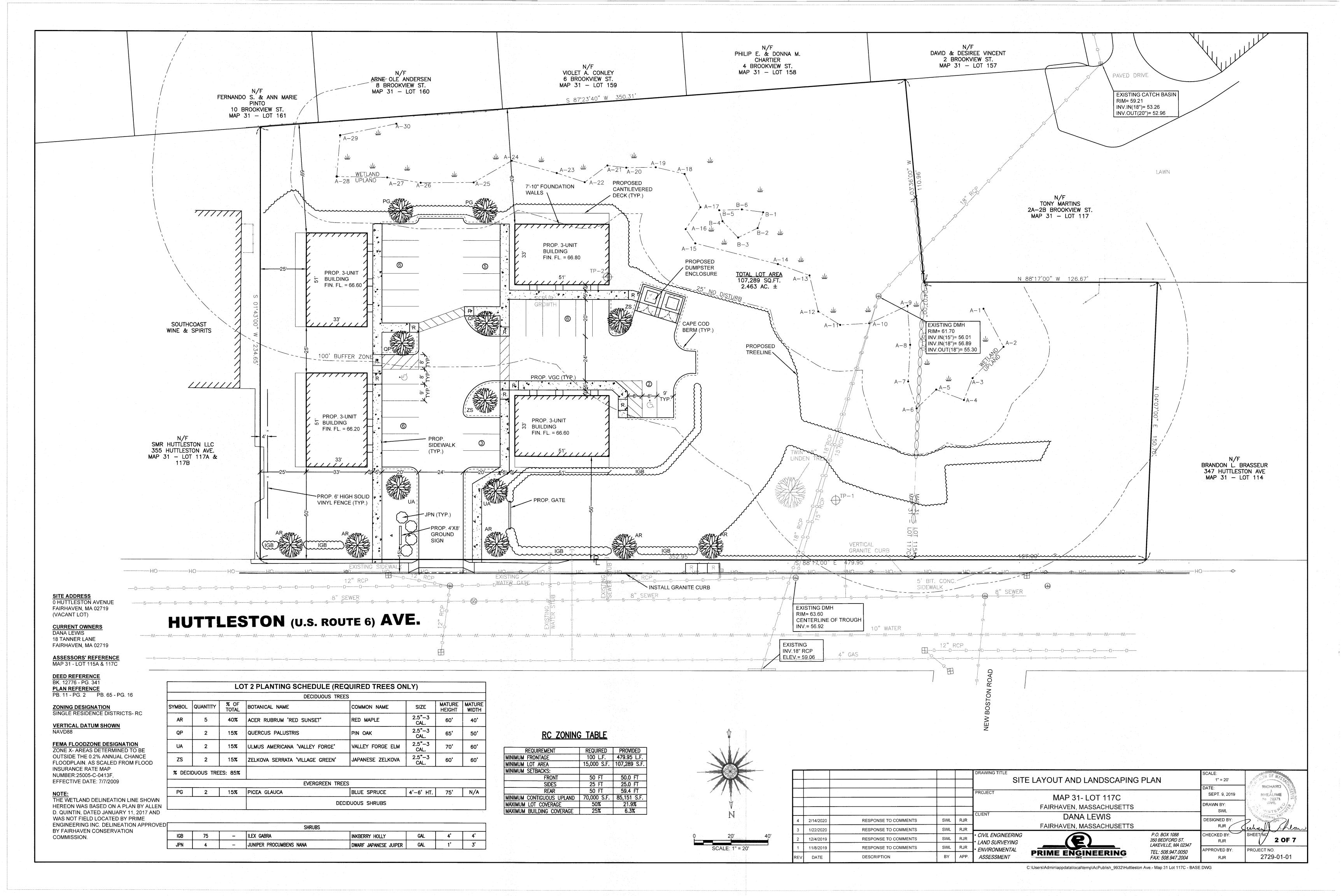
CIVIL ENGINEERING—LAND SURVEYING—ENVIRONMENTAL ASSESSMENT P.O. BOX 1088, 350 BEDFORD STREET, LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.2004

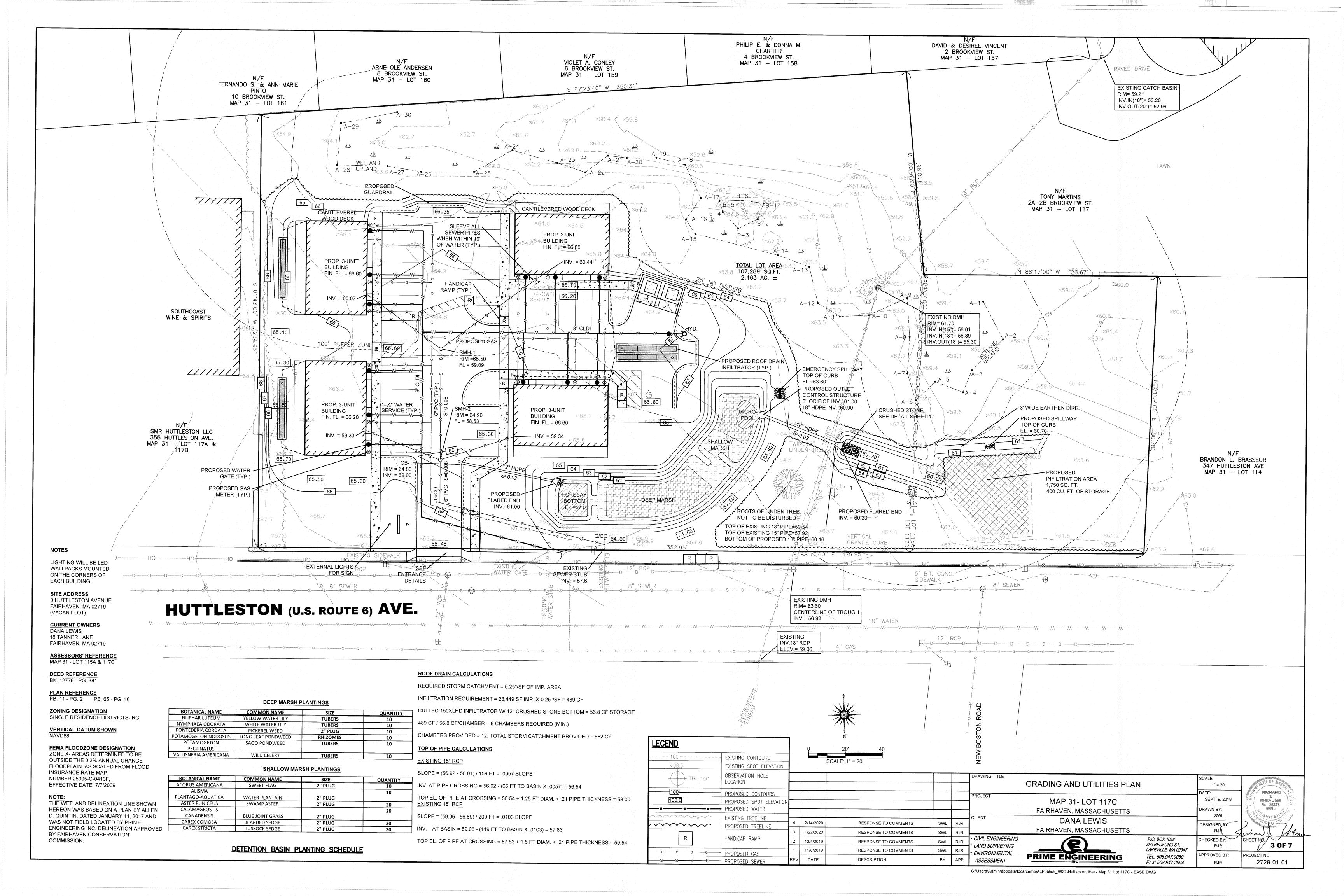


SCALE: 1"=100"

SEPTEMBER 9, 2019

REVISED FEBRUARY 14, 2020





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. ×62.7 (×64.9 ! ×62.7 ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER OR AGENTS OF THE OWNER. 4. 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 5. SEEDING MIXTURE FOR FINISHED GRASSED AREAS WILL BE AS FOLLOWS: - - PROPOSED KENTUCKY BLUE GRASS 45% SILT FENCE TONY MARTINS GUARDRAIL CREEPING RED FESCUE ×59.8 \×58.8 ×58.5 AND STRAW 2A-2B BROOKVIEW ST. PERENNIAL RYEGRASS BALES MAP 31 - LOT 117 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. 1111111111111 X59.8 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 ×64.6 ×64.5 REQUIRED, TO CONTROL EROSION. PROP. 3-UNIT ×59.7 6. AREAS TO BE LEFT BARE BEFORE FINISHED GRADING AND SEEDING IS ACHIEVED, SHALL RECEIVE A WHEN WITHIN 10' x64.80ILDING TEMPORARY SEEDING OF PERENNIAL RYEGRASS APPLIED TO A RATE OF 2 LBS:/1,000 SQ. FT. AT A OF WATER (IXE) FIN. FK 456080 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 ×59.0 SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 1. WHERE GRASS $-INV. = 60.44^{P}$ PROP. 3-UNIT ×58.7 PREDOMINATES, FERTILIZE ACCORDING TO A SOIL TEST AT A MINIMUM APPLICATION RATE OF 1 LB. įŃ 88°17'00" W 126:67'` BUILDING OF NITROGEN PER 1,000 SQ. FT. AREAS TO BE LEFT BARE BEFORE FINISH GRADING AND SEEDING FIN. FL. = 66.6 OUTSIDE OF PLANTING SEASONS SHALL RECEIVE AN AIR--DRIED WOOD CHIP MULCH, FREE OF COARSE MATTER, TREATED WITH 1-2, LBS. NITROGEN PER TON, APPLIED AT A RATE OF 185--275 HANDICAP LBS./1,000 SQ. FT. RAMP (TYP.) AT ALL PROPOSED FILL AREAS WHICH ARE NOT CURRENTLY SHOWN ON THESE PLANS, THE INV. = 60.07 ~×59.1 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 ×64.2 FILL INSTALLATION. STABILIZATION OF SLOPES IN FILL AREAS (USING MULCH OR GRASS) SHALL BE EXISTING DMH ×63.5 INITIATED WITHIN THIRTY (30) DAYS OF COMMENCEMENT OF FILL INSTALLATION. #INV.INGG." 0= 56.01 ×61.4 8. STABILIZATION OF SLOPES IN CUT AREAS (USING MULCH OR GRASS) AND THE INSTALLATION OF $\sqrt{A-2}$]INV.IN(18")= 56.89 CONTROL LINE (STRAW BALE CHECK OR FILTER FABRIC) AT THE TOE OF SLOPE SHALL BE INITIATED 틴 INV.OUT(18")= 55.30 | WITHIN THIRTY (30) FEET. ×63.3 100' BUFFER ZONE 9. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS ×59.1 PROPOSED ROOF DRAIN' 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 FL = 59.09INFILTRATOR (TYP.) Ж X59.4 · EMERGENCY SPILLWAY A-7 •×610 EROSION CONTROLS SHALL BE REPAIRED OR REPLACED. TOP OF CURB -60.4× 10. CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND ×59.9 ROPOSED OUTLET SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE ×66.3 CONTROL STRUÖTURE 🚶 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 'ORIFICE INV.#61.00 / 3' WIDE EARTHEN DIKE ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A SW Land PROP. 3-UNIT 1_¼".WAIER... 3" HDPE INV.均60.90 2/12 Z CRUSHĖD STOMU ×59.6 COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED. PROP. 3-UNIT : SERVICE (TYP. BUILDING SEE DETAIL SAMMONT / RIM = 64.90× 65.7 PROPOSED SPILLWAY BUILDING FIN. FL. = 66.2011. THE CONTRACTOR SHALL SECURE THE SERVICES OF A PROFESSIONAL ENGINEER, WHO SHALL FL = 58.53 TOP OF CURB FIN. FL. = 66.60VERIFY 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 -1NV. = 59.34AFTER A RAINFALL IN EXCESS OF 1/4 INCH, WHICHEVER OCCURS FIRST. INV. = 59.3312. 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 ×61.6 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. PROPOSED ATER -13. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT INFILTRATION AREA (TYP.) 65.50 1,750 SQ. FT. 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 400 CU. FT. OF STORAG PREVENT A HAZARD TO TRAFFIC. TYP.) ×64.3 CONCRETE FLARED END 14. IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES WASHOUT AREA PROPOSED FLARED END [CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS. INV. = 60.33--15. STRAW BALES SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL OP OF EXISTING 18" PIPE \$59.5 BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED. ×63.8 TOP OF EXISTING 15" PIRE=57.92 VERTICAL BOTTOM OF PROPOSED 18" PIPE=60 16. WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS DEWATERING BAG GRANITE CURB OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT (SEE DETAIL) PERMITTED BY LAW. SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BOWL, S/88°17'00" E 479.95 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 PUMPING OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL EXTERNAL LIGHTS FOR EXISTING ' SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED. <u>ENTRANCÈ</u> SAID DISCHARGE POINTS SHALL BE LOCATED OVER 100 FEET FROM THE DELINEATED WETLANDS AS SIDEWALK INDICATED ON THIS PLAN. **PROPOSED** 9 8" SEWER INSTALL SILT CONSTRUCTION **INSTALL SILT** 17. THE CONTRACTOR SHALL OBTAIN AN NPDES PERMIT PRIOR TO THE START OF CONSTRUCTION. SACK IN EXISTING **ENTRANCE** EXISTING DMI SACK IN EXISTING CATCH BASIN RIM= 63.60 CATCH BASIN PUMP CENTERDINE OF TROUGH HOSE OVER COMPOST LOGS - CLAMP DISCHARGE -INV = 56:92 HOSE EXISTING INV.18" RCP 4" GAS ELEV = 59.06 3' WIDE GEOFAB SILT FENCE FABRIC OR -——COMPOST SOCK APPROVED EQUAL FLOW _1" x 1" x 3' PINE STAKE ----SILT FENCE ----STRAWBALE -1" x 1" x 3' PINE STAKE SURROUND BAG WITH COMPOST TO BE USED IF DISCHARGE IS WATTLE AND SILT FENCE 2" SIZE CRUSHED GRAVEL CLOSER THAN 100' TO WETLANDS -PROP. GRADE PUMP OAD STABILIZATION FILTE FLOW-NEW PIG DEWATERING BAGIN (OR APPROVED EQUAL) 10'x15' BAG SILT FENCE DETAIL STRAWBALE AND SILT FENCE COMPOST SOCK, STRAWBALE, AND SILT FENCE AT FLAT SLOPES AT MODERATE SLOPES AT TOE OF STEEP SLOPES PLACE BAG ON BED OF STRAW CONSTRUCTION ENTRANCE 1:6 OR LESS 1:6 OR MORE NOT TO SCALE NOT TO SCALE NOT TO SCALE NOT TO SCALE EROSION CONTROL PLAN 1" = 20' SIDE VIEW STRAW UNDERLAY SEPT. 9, 2019 MAP 31- LOT 117C BHEAUME **DEWATERING DETAIL** DRAWN BY: FAIRHAVEN, MASSACHUSETTS NOT TO SCALE DANA LEWIS 10'X15' DEWATERING BAG RESPONSE TO COMMENTS SWL RJR DESIGNED BY: 2/14/2020 (150 CF) WITH 180 MICRON FAIRHAVEN MASSACHUSETTS RJR/ SWL RJR 1/22/2020 RESPONSE TO COMMENTS OPENINGS BY NEW PIG P.O. BOX 1088 CIVIL ENGINEERING CHECKED BY FILTERED SWL RJR RESPONSE TO COMMENTS OR APPROVED EQUAL 12/4/2019 ✓ 4 OF 7 350 BEDFORD ST. RJR LAND SURVEYING SURROUND BAG WITH COMPOST LAKEVILLE, MA 02347

WATTLES AND SILT FENCE

PLAN VIEW

PRIME ENGINEERING

PPROVED BY:

TEL: 508.947.0050

FAX: 508.947.2004

PROJECT NO.

2729-01-01

SWL RJR

APP.

ENVIRONMENTAL

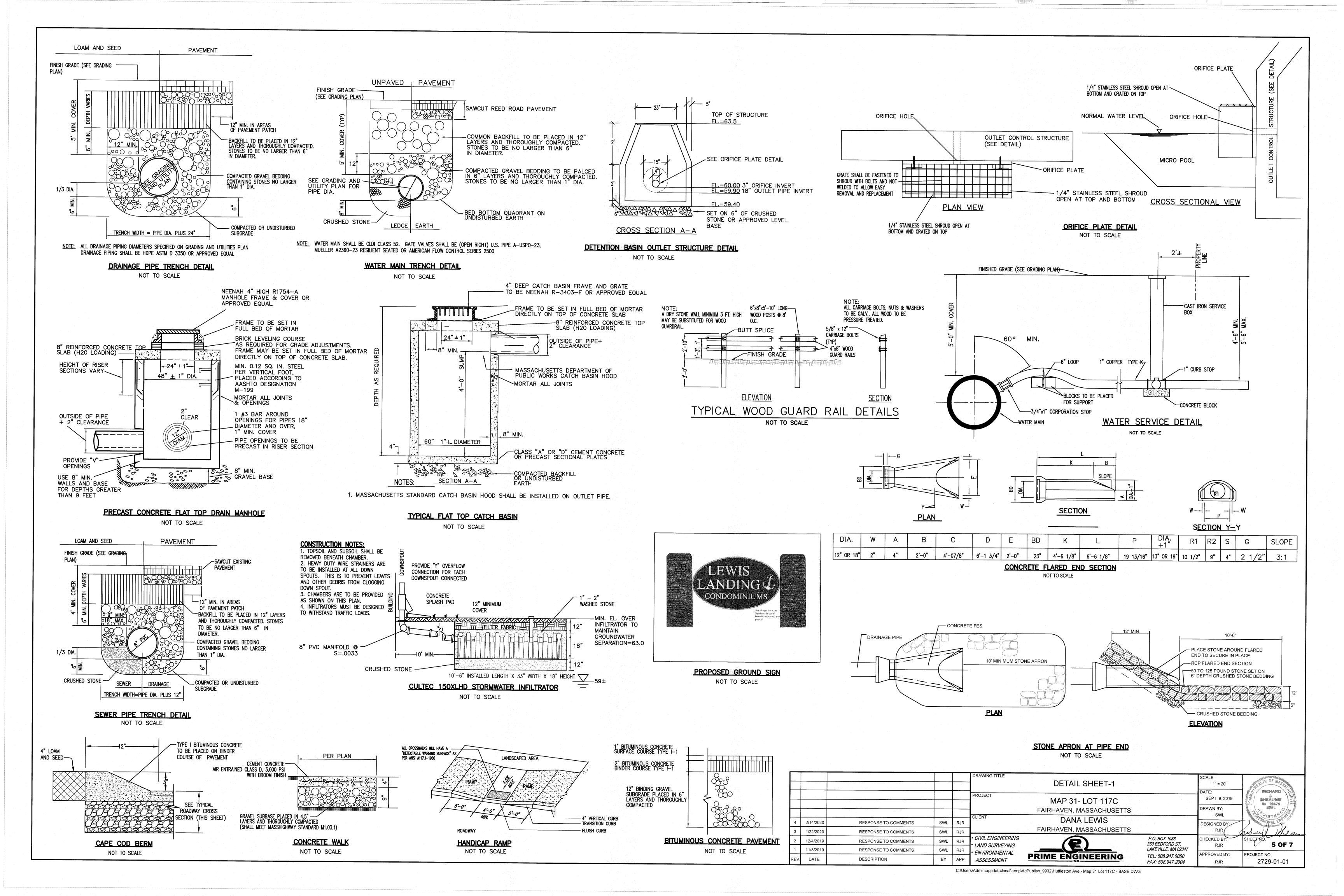
ASSESSMENT

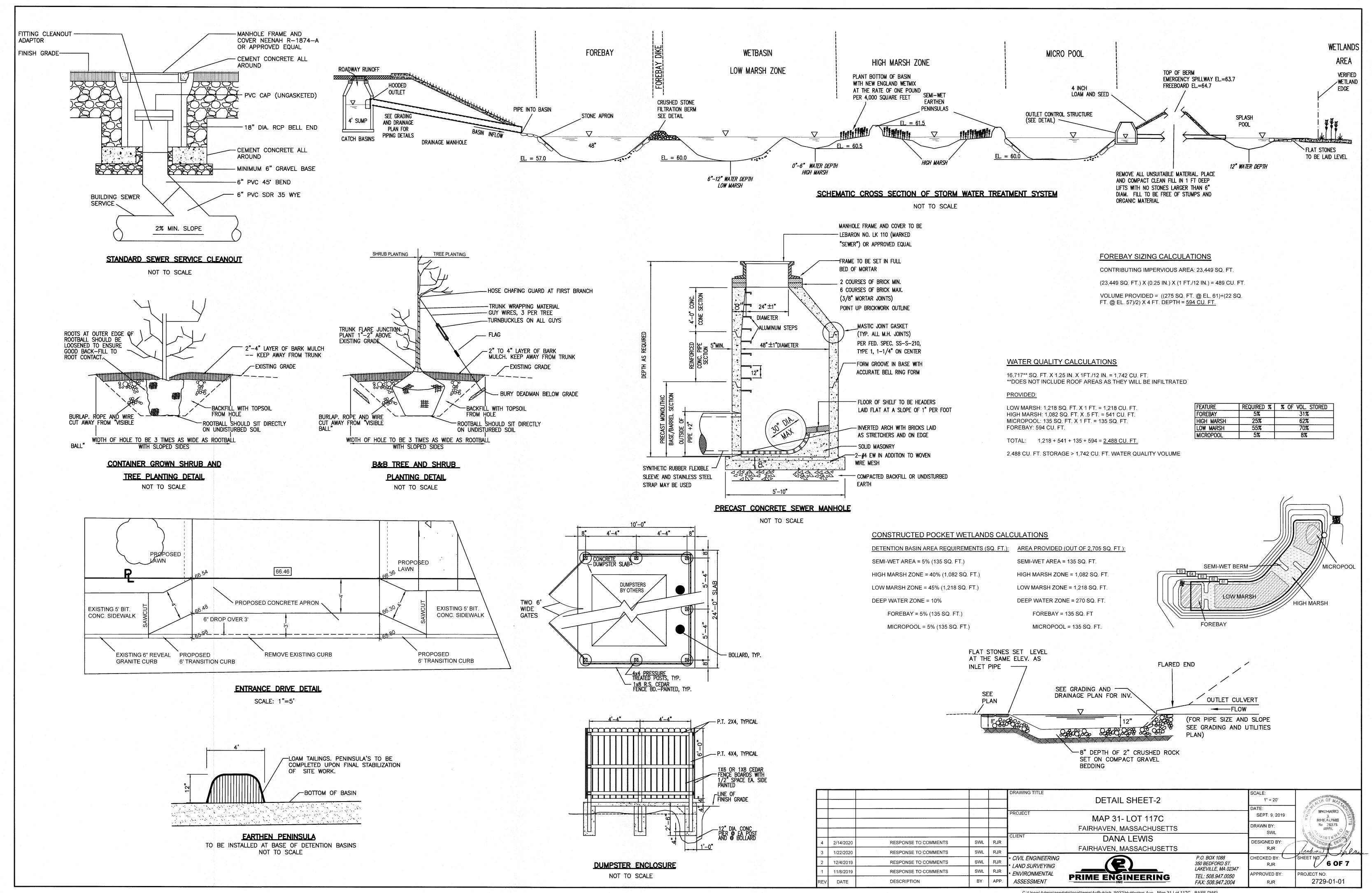
RESPONSE TO COMMENTS

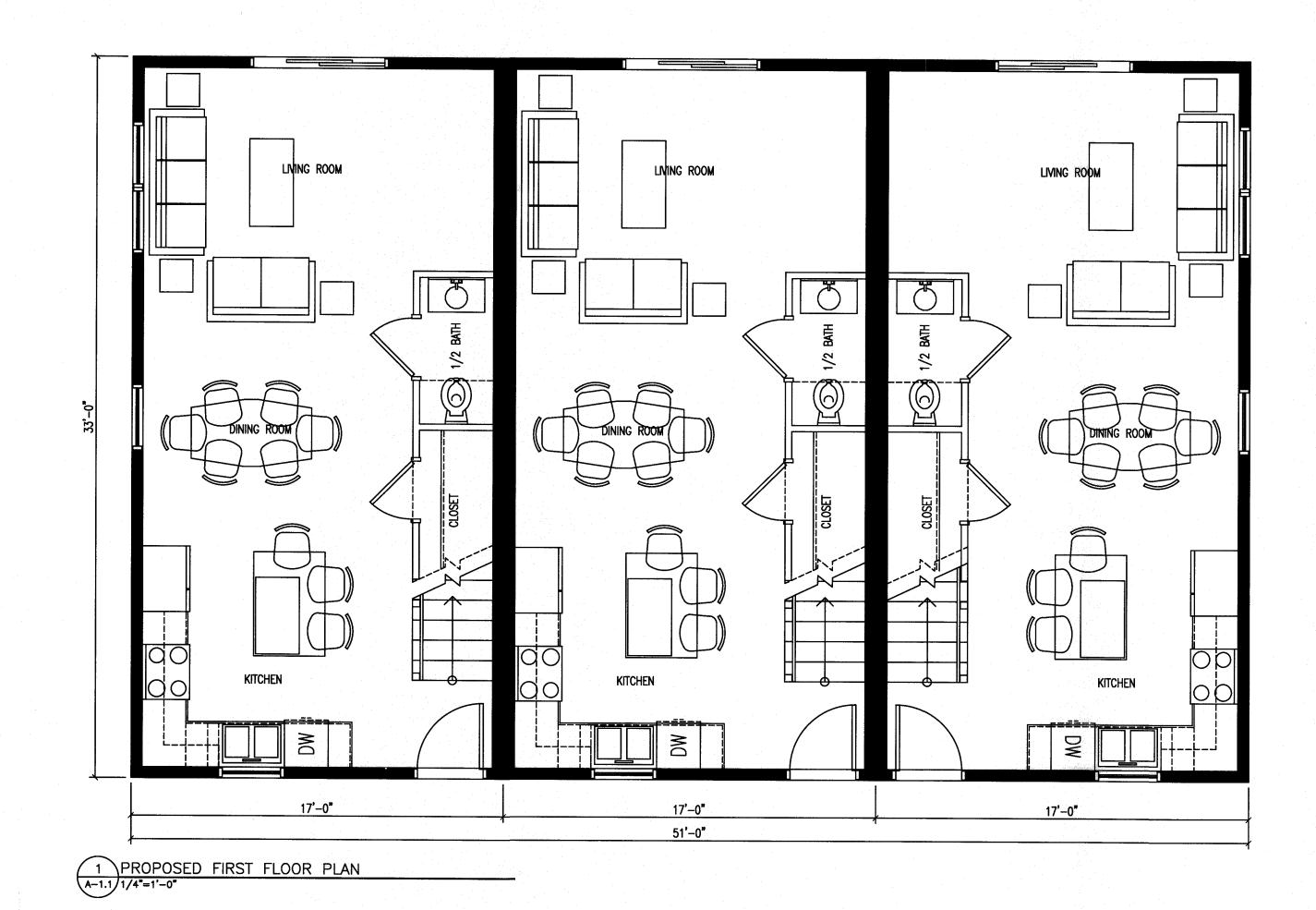
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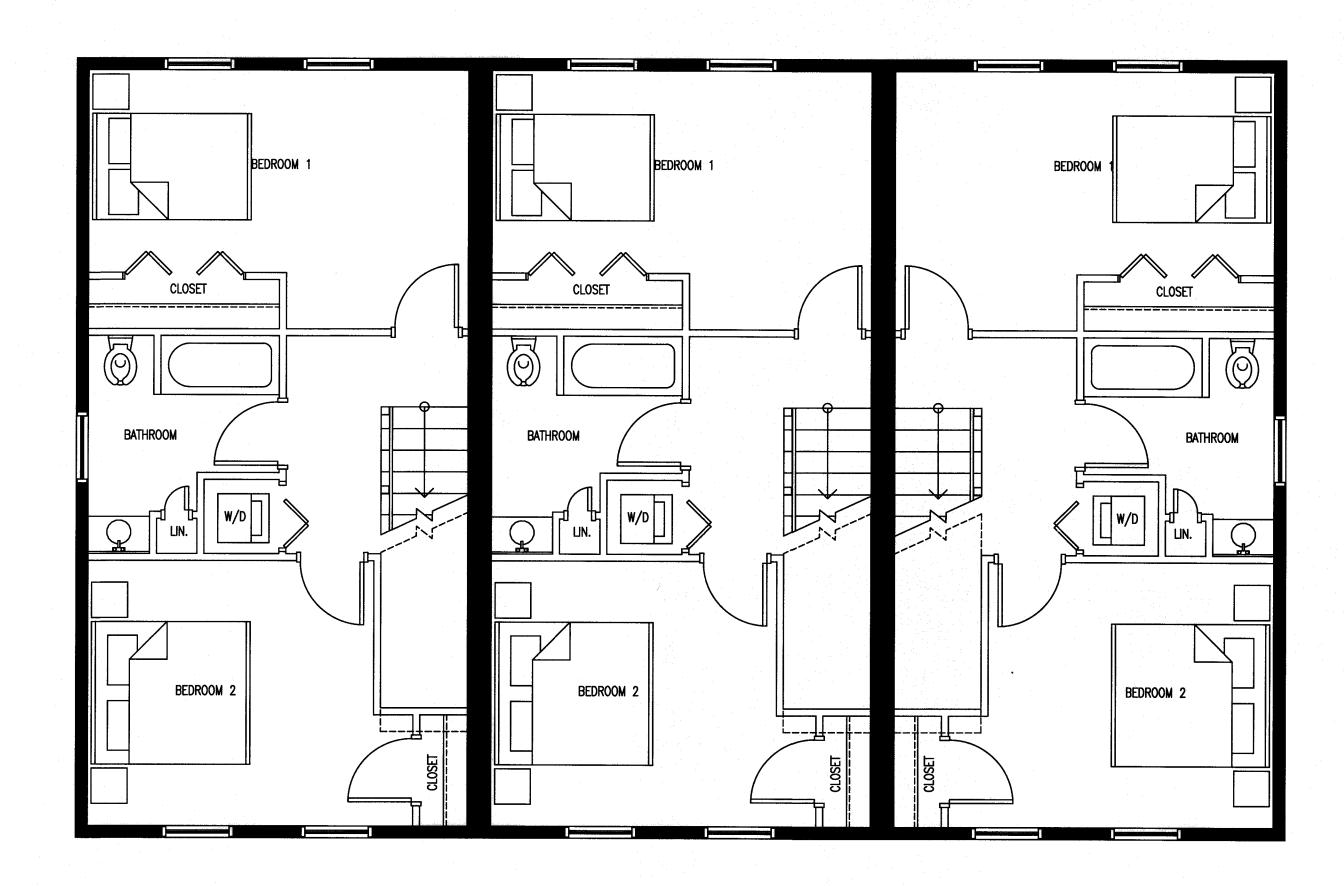
11/8/2019

DATE



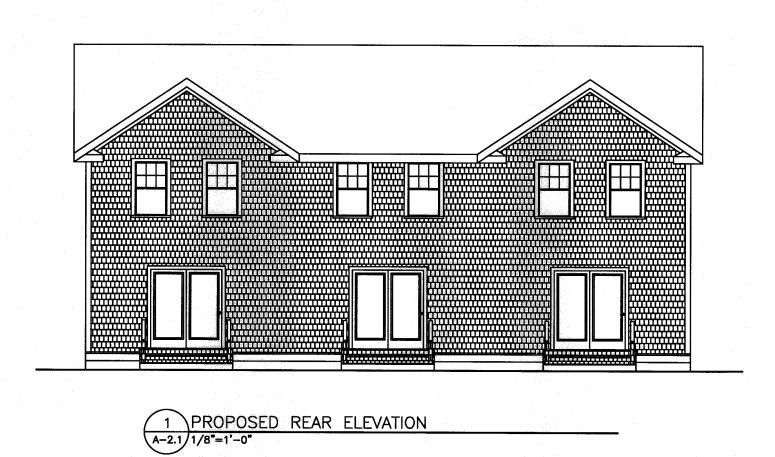


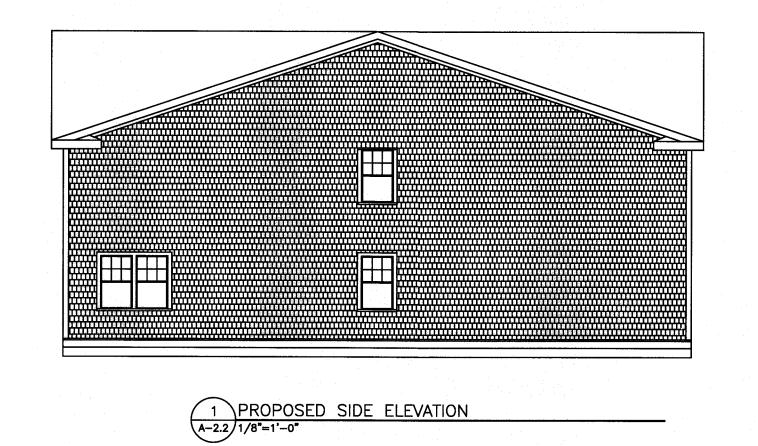




PROPOSED SECOND FLOOR PLAN
A-1.2 1/4"=1'-0"







			100				
					ARCHITECTURALS	SCALE: 1" = 20' DATE:	MICHARO SECTION
					MAP 31- LOT 117C	SEPT. 9, 2019	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	-				FAIRHAVEN, MASSACHUSETTS	DRAWN BY: SWL	GISTER
	:				DANA LEWIS FAIRHAVEN, MASSACHUSETTS	DESIGNED BY:	7, 87/2
					• CIVIL ENGINEERING P.O. BOX 1088	CHECKED BY: SHEET NO. 7 OF 7	SHEET NO.
				:	• LAND SURVEYING • ENVIRONMENTAL • PRIME ENGINEERING TEL: 508.947.0050		<u> </u>
REV	DATE	DESCRIPTION	BY	APP.	ASSESSMENT FAX: 508.947.2004	RJR	2729-01-01