

25'	NO	-DISTURB	ZONE	AND
	50'	NO-BUILD	ZONE	Ε
		CALCULATION	SNC	

	CALCULATIONS				
	EXISTING STRUCTURES	PROPOSED STRUCTURES			
25' NDZ	49 S.F.	0 S.F.			
50' NBZ	719.8	774 S.F.			

ZONE: R-la	
CATEGORY	REQUIRED
MINIMUM LOT AREA	20,000 S.F.
MINIMUM LOT FRONTAGE	125 FT.
MINIMUM LOT WIDTH	100 FT.
MINIMUM FRONT YARD	25 FT.
MINIMUM SIDE YARD	15 FT.
MINIMUM REAR YARD	15 FT.
MAXIMUM BUILDING HEIGHT	35 FT.
MAXIMUM LOT COVERAGE	25%

EXISTING 2-FOOT CONTOUR	Industrial institute, she 98 per designed equipment considered in
EXISTING 10-FOOT CONTOUR	contract data confusioners and explosion of the contract of th
PROPOSED CONTOUR	
PROPOSED SPOT ELEVATION	+100.0
EXISTING SPOT ELEVATION	× 45,03
STONE WALL	
EDGE OF PAVEMENT	EP
POST & RAIL FENCE ——C)
STOCKADE FENCE	
BORDERING VEGETATED WETLAND -	. — • — . —
25-FOOT NO-DISTURB	25
50-FOOT NO-BUILD ZONE	50
100-FOOT BUFFER ZONE	100
OVERHEAD WIRES	OHW
UTILITY POLE SEWER MANHOLE	
IRRIGATION CONTROL VALVE	
WATER SHUTOFF	o wso
DECIDUOUS TREE	
ELECTRIC METER	OEM
FIRST FLOOR	F.F.
INVERT	INV.
TYPICAL	TYP.
TO BE REMOVED	T.B.R.
PROPOSED INSPECTION PORT	IP

PROPOSED LOT COVERAGE:

2,223/10,966 S.F. (LOT AREA EXCLUDES 20' WAY) = 20.3%

EXISTING LOT COVERAGE:

644/10,966 S.F. = 5.9%

EXISTING IMPERVIOUS SURFACES WITHIN 100' BUFFER ZONE:

1,397± S.F.

PROPOSED IMPERVIOUS SURFACES WITHIN 100' BUFFER ZONE:

2,569± S.F.

	STORMWATER MANAGEMENT CALCULATIONS						
53. E	STREET NO.	PROPOSED INCREASE IN IMPERVIOUS AREA (ft ²)	\triangle^{12} (ft ²)	HYDROLOGIC SOIL GROUP	RECHARGE DEPTH (in.)	VOLUME REQUIRED (ft ³)	VOLUME PROVIDED (ft ³)
	186	1,172	1,172	. A	0.60	58.6	81.4

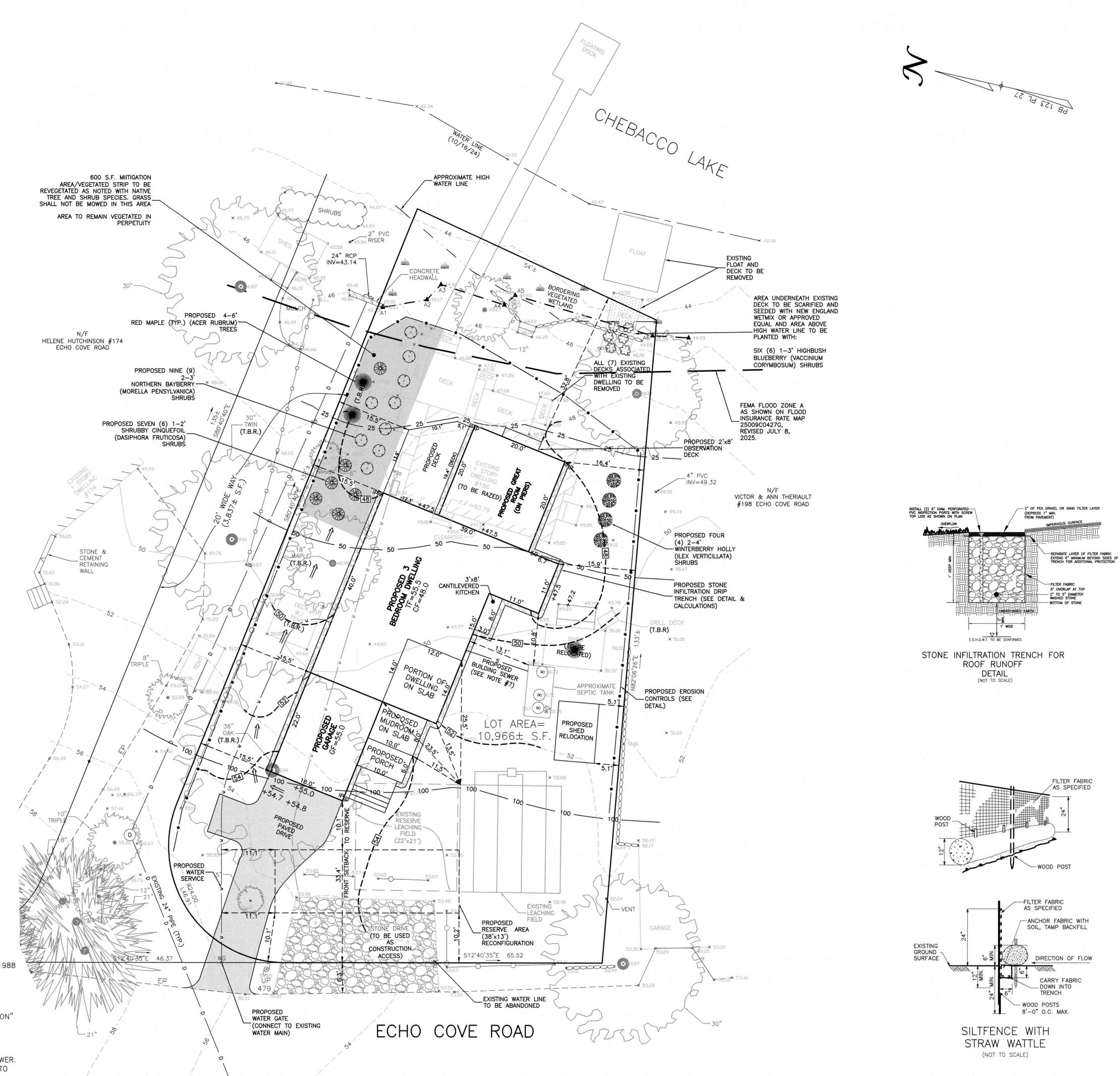
INFILTRATION CALCULATIONS:

- 1. INFILTRATION TRENCH SIZED TO MITIGATE THE NEW AND EXISTING ROOF SURFACES W/ HYDROLOGIC SOIL GROUP A (0.60-IN/12-IN/FT) * 1,172 SF (ADDITIONAL IMPERVIOUS AREAS WITHIN 100' BUFFER ZONE) = 58.6 CF OF STORAGE REQUIRED.
- 2. STONE-FILLED TRENCH, 1'WIDEx1'DEEPx203.5'LONGx.4 (VOID RATIO OF STONE) = 81.4 CF OF STORAGE PROVIDED.

PROJECT NOTES:

- TOPOGRAPHIC INFORMATION SHOWN IS THE RESULT OF AN ACTUAL INSTRUMENT FIELD SURVEY CONDUCTED BY WILLIAMS & SPARAGES LLC ON OCTOBER 16, 2024.

 TOPOGRAPHIC INFORMATION SHOWN IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988
- PROPERTY BOUNDARY IS SHOWN AND COMPILED FROM A COMBINATION OF RECORD PLANS, NON-RECORD PLANS AND A FIELD SURVEY PERFORMED BY WILLIAMS & SPARAGES LLC. HIGH WATER LINE IS SHOWN FROM A PLOT PLAN TITLED "186 ECHO COVE ROAD HAMILTON, MA"
- PREPARED BY KANE LAND SURVEYORS AND DATED AUGUST 8, 2016. SEPTIC SYSTEM COMPONENTS ARE SHOWN FROM "AS-BUILT PLAN - 186 ECHO COVE ROAD, HAMILTON" PREPARED BY DSD, INC. AND DATED 10/2/2018 AND SHOULD BE CONSIDERED APPROXIMATE.
- EXISTING WATER SERVICE AND WATER GATE ARE SHOWN FROM "AS-BUILT PLAN 186 ECHO COVE ROAD, HAMILTON" PREPARED BY DSD, INC. AND DATED 10/2/2018 AND SHOULD BE CONSIDERED **APPROXIMATE**
- CONTRACTOR TO VERIFY SEPTIC TANK INVERT IN ELEVATION PRIOR TO INSTALLATION OF BUILDING SEWER. 8. EXISTING 24" DRAIN PIPES ARE SHOWN AS APPROXIMATE. CONTRACTOR TO VERIFY LOCATION PRIOR TO CONSTRUCTION.



PLA NA NA

PROPOSE 186 ECHO CON

DRAWING:

SHEET