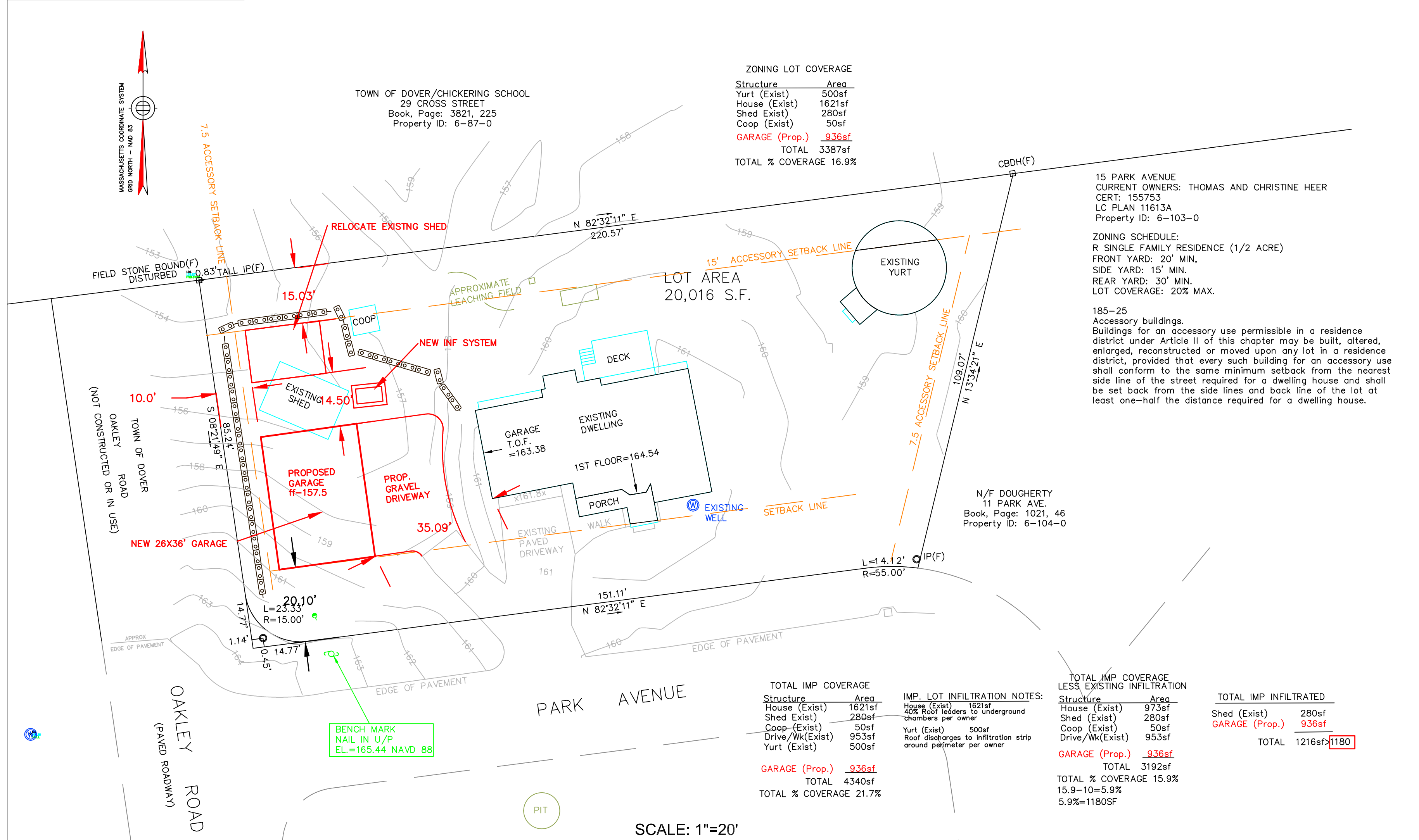


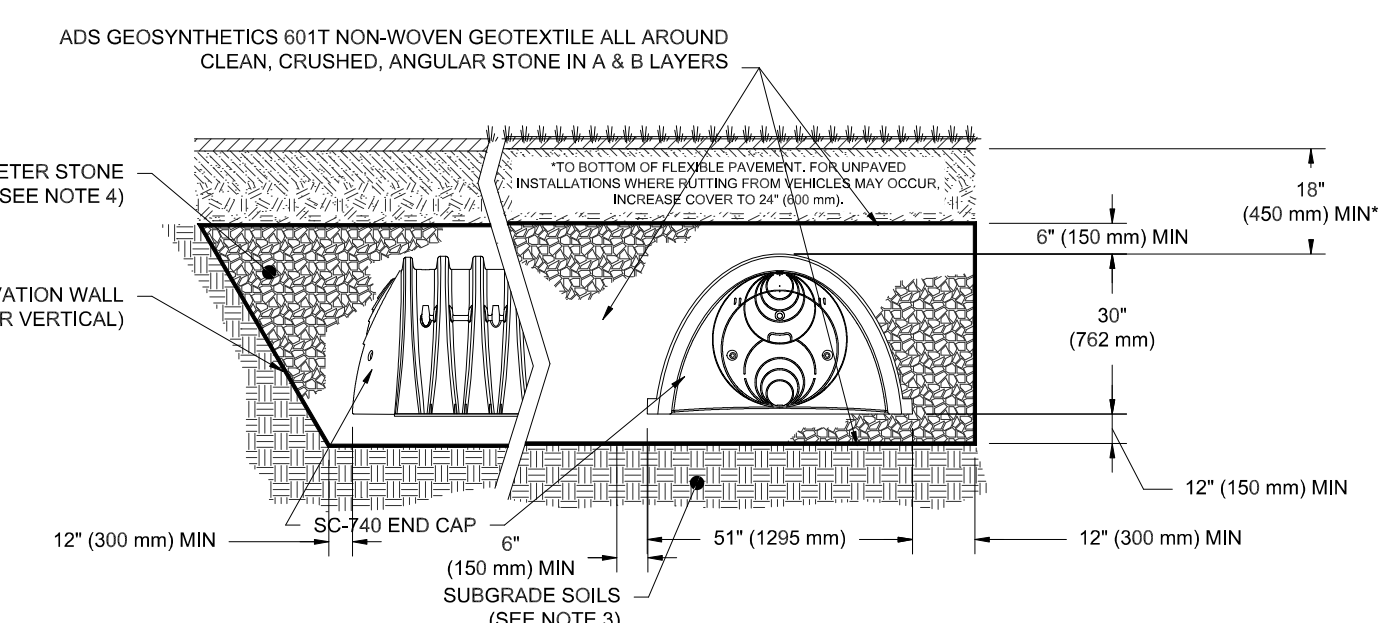
LEGEND	
	PROP LINE
	STONE WALL
	EROSION CONTROL
	WATER SERVICE
	SOIL TESTING LOCATION
	EXISTING CONTOUR
	PROPOSED GRADING
	PROPOSED SPOT ELEV.
	EXISTING TREE



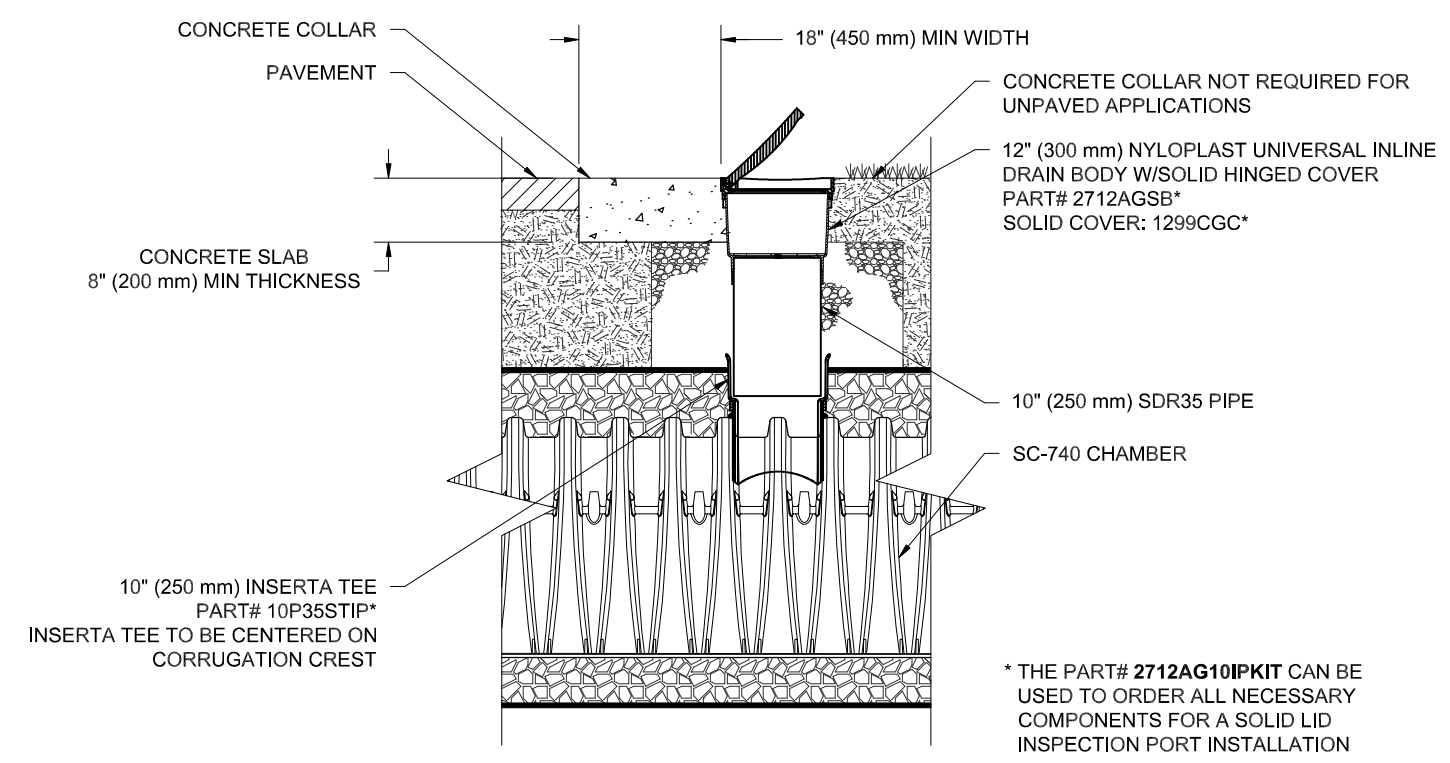
TOTAL IMP COVERAGE		IMP. LOT INFILTRATION NOTES:		TOTAL IMP COVERAGE LESS EXISTING INFILTRATION	
Structure	Area	Structure	Area	Structure	Area
House (Exist)	1621sf	House (Exist)	1621sf	House (Exist)	973sf
Shed (Exist)	280sf	Shed (Exist)	280sf	Shed (Exist)	280sf
Coop (Exist)	50sf	Yurt (Exist)	500sf	Coop (Exist)	50sf
Drive/Wk(Exist)	953sf	Roof discharges to infiltration strip		Drive/Wk(Exist)	953sf
Yurt (Exist)	500sf	ground perimeter per owner		Yurt (Exist)	500sf
<b>GARAGE (Prop.)</b>	<b>936sf</b>			<b>GARAGE (Prop.)</b>	<b>936sf</b>
<b>TOTAL</b>	<b>4340sf</b>			<b>TOTAL</b>	<b>3192sf</b>
<b>TOTAL % COVERAGE</b>	<b>21.7%</b>			<b>TOTAL % COVERAGE</b>	<b>15.9%</b>
				<b>15.9-10=5.9%</b>	<b>5.9%=1180SF</b>

TOTAL IMP COVERAGE LESS EXISTING INFILTRATION	
Structure	Area
House (Exist)	973sf
Shed (Exist)	280sf
Coop (Exist)	50sf
Drive/Wk(Exist)	953sf
Yurt (Exist)	500sf
<b>GARAGE (Prop.)</b>	<b>936sf</b>
<b>TOTAL</b>	<b>3192sf</b>
<b>TOTAL % COVERAGE</b>	<b>15.9%</b>
<b>15.9-10=5.9%</b>	<b>5.9%=1180SF</b>

TOTAL IMP INFILTRATED	
Structure	Area
Shed (Exist)	280sf
<b>GARAGE (Prop.)</b>	<b>936sf</b>
<b>TOTAL</b>	<b>1216sf</b>



### 740 ADS STORMTECH UNIT



SC-740 10" (250 mm) INSPECTION PORT DETAIL

DRAINAGE CALCULATIONS:  
IMP AREA TO INFILTRATE=1180SF

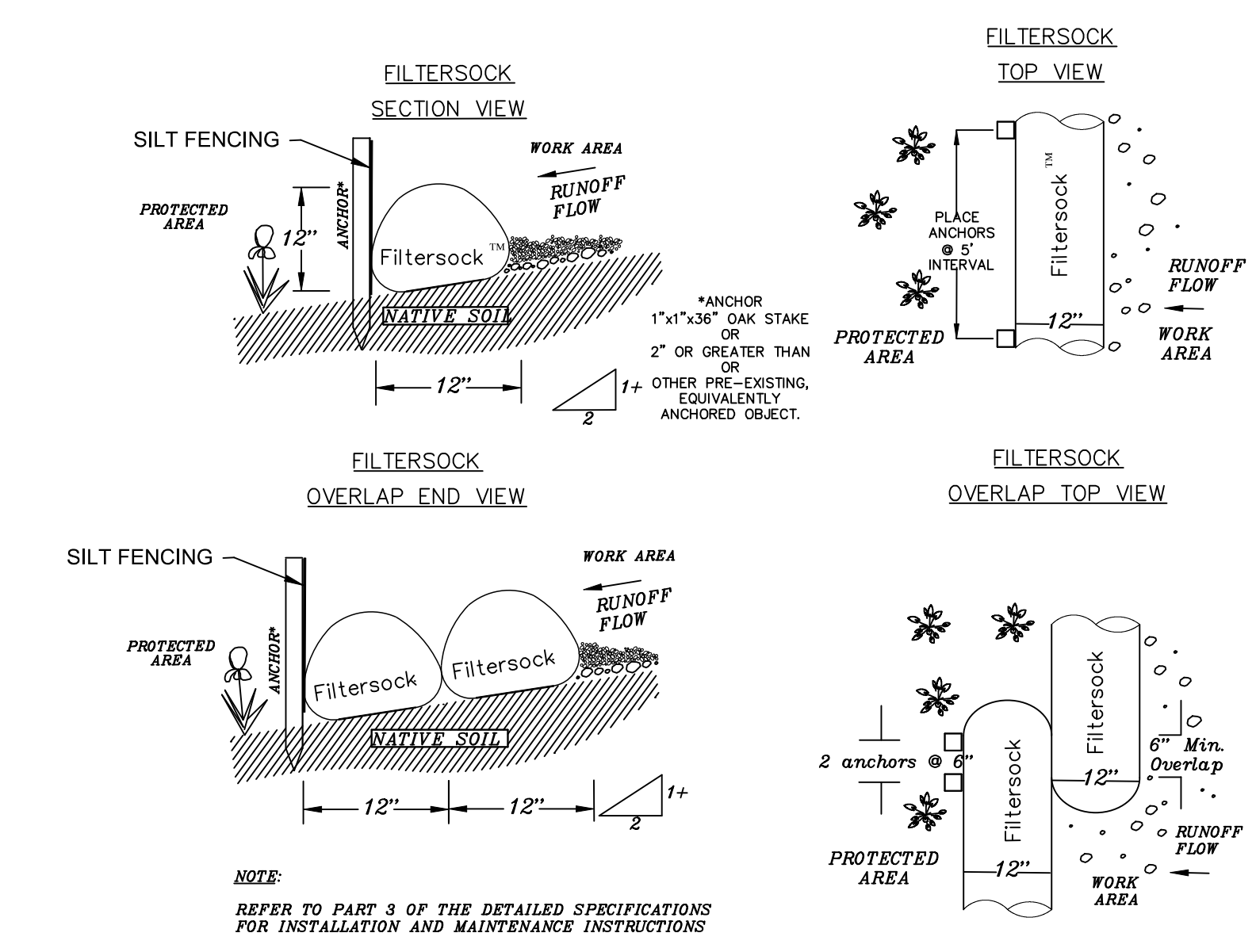
INFILTRATING FIRST 1/2" OF RUNOFF FROM ROOFS  
EXISTING SHED =280SF  
NEW GARAGE ROOF AREA= 936 SF  
1/2" RUNOFF =50± CF

PROPOSED 1 STORMTECH 740 CHAMBERS W/12" STONE  
EACH CHAMBER =74.9CF STORAGE  
EACH CHAMBER =2.2CF/LF STORAGE

1 OF CHAMBERS STORAGE = 75± CF  
STONE STORAGE =(FIELD VOL-CHAMBER VOL)X40%  
FIELD VOL. = (9.5'X6.25'W'X3'H)=208CF  
STONE STORAGE=(208-75)X40%=53CF

STONE VOL + CHAMBER VOL. = TOTAL VOLUME

75CF+53CF= 128CF STORAGE PROVIDED> 50 CF STORAGE REQUIRED.



EROSION CONTROL BARRIER  
12" FILTERMITT OR EQUIVALENT

UTILITIES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE, AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS (IN ACCORDANCE WITH MASS.G.L. CHAPTER 82 SECTION 40 AS AMENDED) MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG-SAFE" AT (888)344-7233 [(888)DIG-SAFE].

THE OFFSETS AS SHOWN ON THIS PLAN ARE NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES OR FOR THE ESTABLISHMENT OF ANY PROPOSED CONSTRUCTION UNLESS SAID CONSTRUCTION IS SHOWN HEREON.

THIS PLAN WAS PREPARED FOR THE EXCLUSIVE USE AND PURPOSE FOR THE PARTY STATED HEREON AND SHALL NOT BE USED BY ANY THIRD PARTY WITHOUT THE EXPRESSED WRITTEN PERMISSION.

CONSTRUCTION ON THIS LAND IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, RESERVATIONS, OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

REVISIONS		
No.	DATE	DESCRIPTION
1.	11-14-24	TOWN COMMENTS
2.	12-20-24	COMMENTS
3.	1-23-25	COMMENTS

## PROPOSED GARAGE PLAN

IN  
DOVER, MASSACHUSETTS

PREPARED FOR: **THOMAS & CHISTINE HEER**  
15 PARK AVENUE  
DOVER MA

PREPARED BY: **RONALD TIBERI P.E.**  
9 MASSACHUSETTS AVE  
NATICK MA 01760

DRAWING SCALE: AS NOTED

PROJECT NUMBER: 2024-1112

OCT 31, 2024

SHEET 1 OF 1