



VOLUME CALCULATION TO SATISFY COMPENSATORY REQUIREMENTS PER SECTION 15.B.4.a.(7) AND (8)

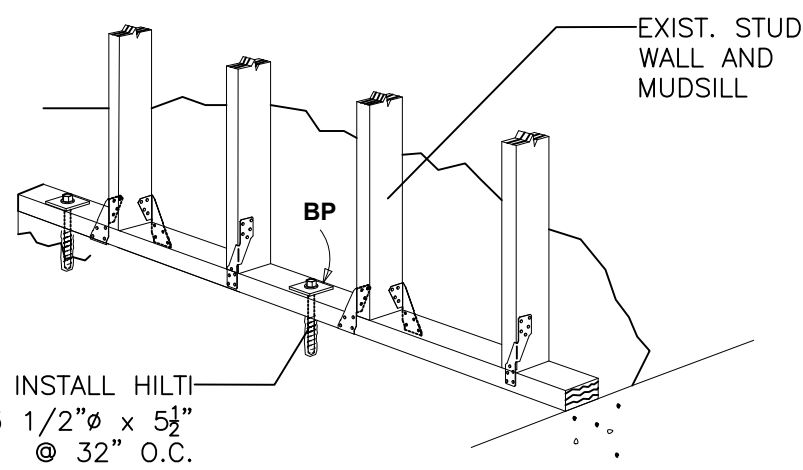
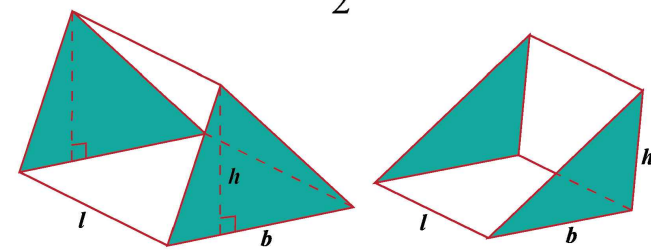
#### VOLUME CALCULATION

LOT AREA	0.500 ACRES	21,792 S.F.
AE ZONE	BFE = 76.0	
OLD BUILDING (PER GIS 2016)	3574 + 175 SOFT	
	VOL = 20,714 CUFT	
TOP SOIL	6,000	
SAND/GRAVEL	270	
MULCH AND DEBRIS	3560	
RETAINING WALLS	7460	
TOTAL VOLUME	17,290	
DIFFERENCE	2884	

NOTE: SINCE THE VOLUME OF THE OLD BUILDING THAT WAS DEMOLISHED IS GREATER THAN THE STOCKPILE AND RETAINING WALL VOLUMES; HENCE, THE WATER HOLDING CAPACITY OF THE FLOODPLAIN AS DESIGNATED ON THE FLOOD INSURANCE RATE MAP (FIRM), HAS NOT BEEN REDUCED.

Volume of Triangular Prism

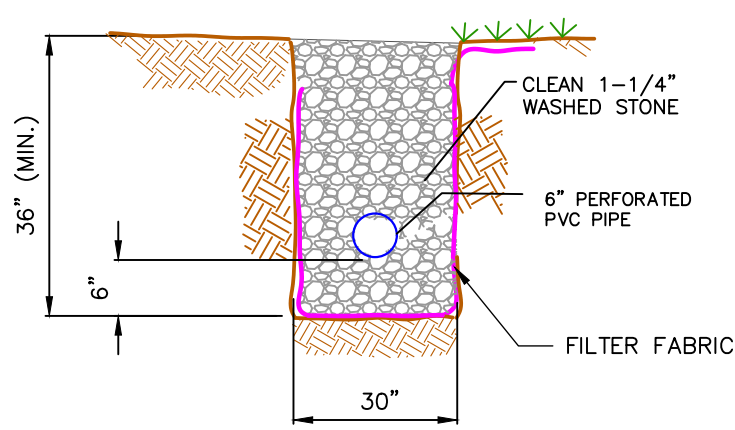
$$V = \frac{1}{2} bhl$$



#### ANCHORING DETAIL FOR SHED

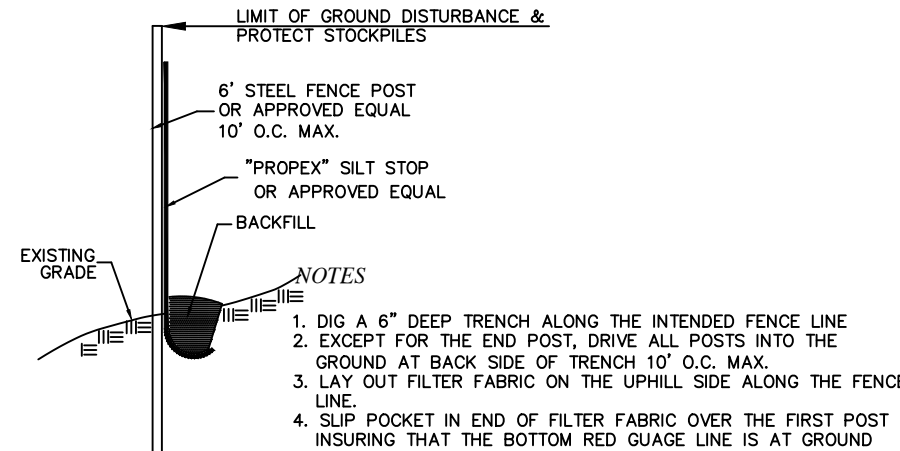
NOT TO SCALE

NOTE: THE SHED AND ANCHORING HAVE BEEN DESIGNED IN ACCORDANCE WITH STAMFORD'S FLOOD PRONE AREA REGULATIONS (SECTION 15B OF THE ZONING REGULATIONS) AND IS CAPABLE OF WITHSTANDING THE FLOOD DEPTHS, PRESSURES, VELOCITIES, IMPACT AND UPLIFT FORCES AND OTHER FACTORS ASSOCIATED WITH THE BASE FLOOD.



#### LEVEL SPREADER DETAIL

NOT TO SCALE



#### SILT FENCE AND FILTER FABRIC DETAIL

SCALE: N.T.S.



#### COIR LOG FOR EROSION CONTROL

NOT TO SCALE

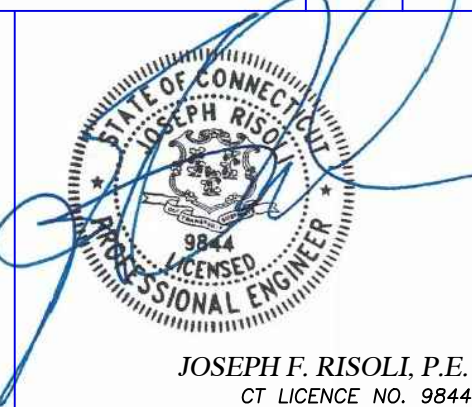
#### EMERGENCY ACTION PLAN (IN CASE OF POTENTIAL FLOODING)

THE FOLLOWING IS THE FLOOD RESPONSE PLAN NEEDED TO ASSESS THE RISK OF A POTENTIAL FLOODING.

- A MAP OF THE FACILITY SHALL BE AVAILABLE TO ALL EMPLOYEES TO MAKE THEM AWARE OF STREAM, DITCHES, DRAINAGE AREAS, AND OTHER LOW-LYING AREAS ON THE PROPERTY.
- ALL ACCESS AND EGRESS ROUTES SHALL IDENTIFIED IN CASE OF EVACUATION.
- UPDATE EMPLOYEE CONTACT LISTS WITH ALTERNATE CONTACT INFORMATION IN THE EVENT EVACUATION IS NECESSARY.
- IF FLOODING IS PROBABLE, ASSIGNED TRAINED PERSONNEL SHALL SECURE THE PREMISES AND ALL EQUIPMENT AND MACHINERY.
- ASSIGNED TRAINED PERSONNEL SHALL LAY DOWN COIR LOGS AT THE PERIMETER OF TOPSOIL PILE TO PREVENT EROSION.
- INSTALL COIR LOGS ALONG LEVEL SPREADER (SEE DETAIL).
- PERFORM CONTINUOUS MONITORING OF THE FLOOD THROUGH VARIOUS MEDIA OUTLETS AND WEATHER TRACKING.
- AFTER FLOOD SUBSIDES AND CLEAN-UP WILL BE DONE BY EMPLOYEES. ENSURE CLEAN-UP EQUIPMENT IS AVAILABLE, ADEQUATE, AND AMPLE.
- CONDUCT A POST-INCIDENT REVIEW AND IDENTIFY MITIGATION OPPORTUNITIES TO PREVENT FUTURE FLOODING IMPACTS.

#### REVISION SCHEDULE

NO.	DATE	DESCRIPTION	REC.	APP.
1	04/14/2023	ADDRESS EPB COMMENTS	JNV	JFR
2	08/30/2023	ADDRESS EPB COMMENTS	JNV	JFR



DATE:	AUGUST 19, 2022	SURVEYED BY:	DH
DATUM:	ASSUMED	DESIGNED BY:	--
FILE LOCATION:	NASJOBS	DRAWN BY:	SBG/DR
FILE NAME:	MICKELS - MASTER FILE 08-21-23.dwg	RECOMMENDED PROJECT MANAGER:	--
DRAWING NO.:	00D000	APPROVED PROJECT MANAGER:	SBG

SCALE: GRAPHIC SCALE 1" = 10 FT

IT IS THE REQUIREMENT OF THE OWNER AND/OR HIS/HER LEGAL REPRESENTATIVE TO ADVISE THE PLANNER/ENGINEER OF ANY AND/OR ALL DEED RESTRICTIONS ON THE PROPERTY WHICH MAY PRECLUDE FURTHER CONSTRUCTION ON THIS PROPERTY. THESE RESTRICTIONS & DESIGN INCORPORATED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS ALSO THE PROPERTY OF THE JOSEPH F. RISOLI, P.E. IN WHOLE OR IN PART, FOR ANY EXTENSION TO THIS PROJECT AND/OR ANY OTHER PROJECTS WITHOUT THE WRITTEN CONSENT OF THE JOSEPH F. RISOLI, P.E. THESE PLANS ARE VOID UNLESS THEY ARE PRODUCED AND USED IN COLOR.

PREPARED FOR:

LOCATION: 83 CAMP AVENUE, STAMFORD, CT

DRAWING: SITE DEVELOPMENT PLAN

C-2.0

SHEET 00 OF 00

**Risoli Planning & Engineering**  
ENGINEERS-PLANNERS-SURVEYORS

Division of **AI Engineers, INC.**

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