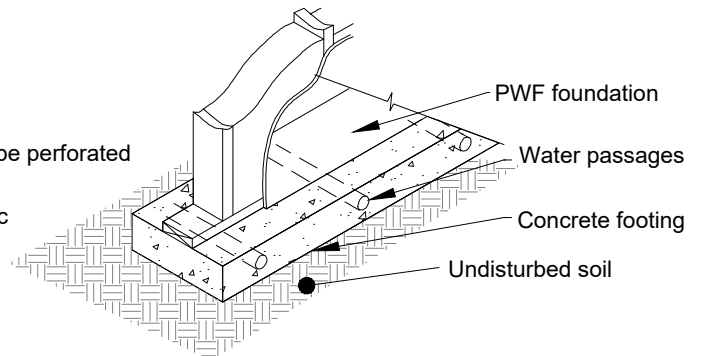


Permanent wood foundations require a minimum 5" continuous granular drainage layer extending beyond the footing by at least 12" on an excavation sloped toward the sump location.

Premanufactured or site built sumps will be considered. The sump is to be located at the low point of the excavation not less than its depth away from load bearing points.

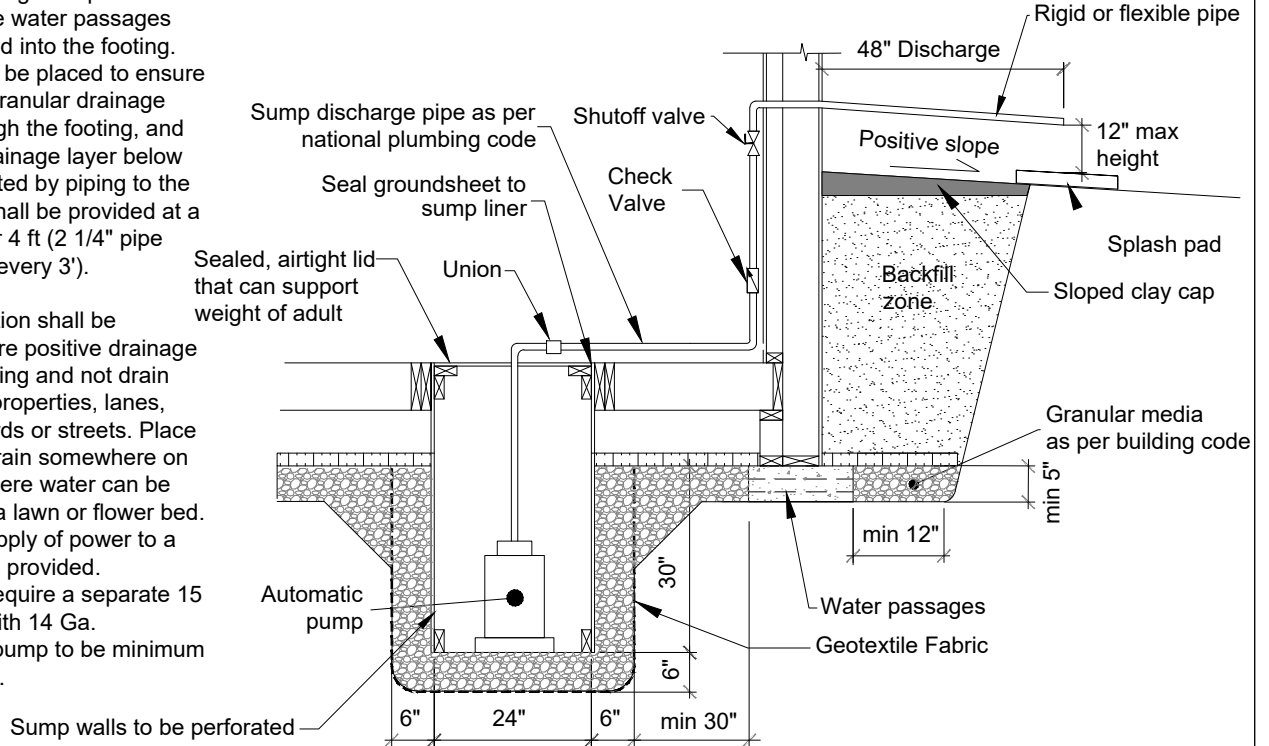


FOOTING OVER GRANULAR DRAINAGE LAYER

FOOTING w/ PASSAGES

When concrete footings are placed on undisturbed soil, the water passages shall be incorporated into the footing. The passages shall be placed to ensure drainage from the granular drainage layer outside, through the footing, and into the granular drainage layer below the floor, or connected by piping to the sump. Passages shall be provided at a rate of 4 sq inch per 4 ft (2 1/4" pipe every 4', or 2" pipe every 3').

The discharge location shall be established to ensure positive drainage away from the building and not drain onto neighbouring properties, lanes, sidewalks, boulevards or streets. Place discharge pipe to drain somewhere on owners property where water can be absorbed, such as a lawn or flower bed. Provision for the supply of power to a sump pump is to be provided. Generally this will require a separate 15 Amp 120V circuit with 14 Ga. conductors. Sump pump to be minimum 1/3 HP submersible.



FOOTING OVER UNDISTURBED SOIL

SCALE:	Not to scale	DRAWN:	RC
DATE:	JUNE 2025	CHECKED:	TE
DRAWING:			
REVISION:			

CITY OF WHITEHORSE

**FOUNDATION DRAINAGE
PWF Basement**

