

H A R M S E N &



ASSOCIATES INC

E N G I N E E R S  
S U R V E Y O R S  
P L A N N E R S

17614 - 162nd Street SE  
Post Office Box 516  
Monroe, WA 98272-0516

March 30, 1997

Mr Craig Bruner  
CITY OF SULTAN  
703 First Street  
Sultan, WA 98294

360.793.2231

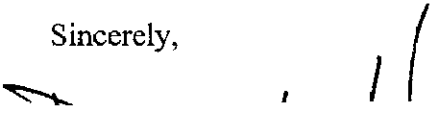
Craig:

This letter is in regards to storm drainage for the Broughton Addition to Sultan, an 8 lot plat located immediately south of the east-west portion of 4th Street. All lots have access to existing paved roadways, lots 1-4 directly to 4th Street to the north and lots 5-8 to the remaining portion of old 4th Street to the south. Therefore, no new paved accesses will be required beyond individual driveways. A portion of the old 4th Street along the east line of the plat will be removed, resulting in a decrease of approximately 3,000 sf of impervious area.

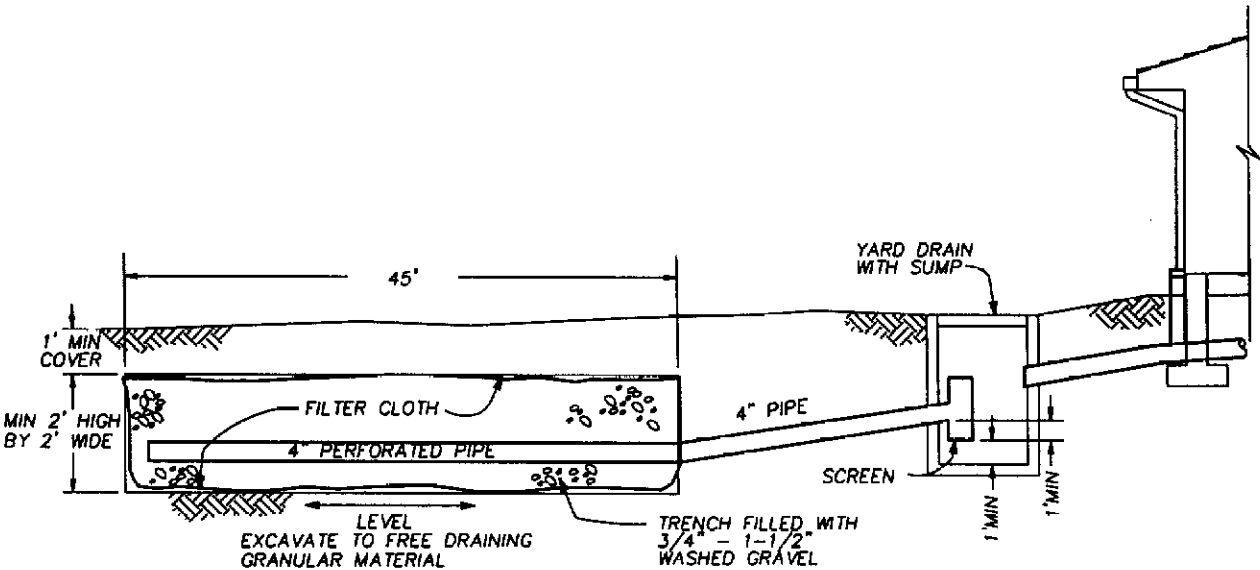
The proposed method of dealing with the increase in runoff from the roofs of the new single family residences will be individual downspout infiltration systems. The runoff from roofs is not required to be treated prior to infiltration so no runoff treatment system is proposed for the development. A detail of a typical roof downspout infiltration system has been attached to this letter for your convenience. It is not proposed to detain the new driveways since the removal of 3,000 sf of paved area and the infiltration of the proposed roofs will mitigate any addition of runoff due to the driveways.

If you have any questions, please call.

Sincerely,

  
David Harmsen, PE  
Project Engineer

Attachment



NOTE:  
 TO BE INSTALLED AS PART OF BUILDING PERMIT  
 FOR INDIVIDUAL LOTS. DESIGNED FOR 2000 SF  
 ROOF AREA.

**TYPICAL ROOFDOWNSPOUT INFILTRATION DETAIL**

SCALE: NONE

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 ENGINEERS • SURVEYORS • PLANNERS



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BROUGHTON ADDITION  
 4TH STREET  
 SUTLAN, WASHINGTON

PRELIMINARY DRAINAGE:  
 DOWNSPOUT INFILTRATION

DWN. BY: DWH  
 CHK. BY: SRM  
 DATE: 3/30/98  
 JOB #: 21-2-98  
 F/B #: 501  
 SCALE: NONE