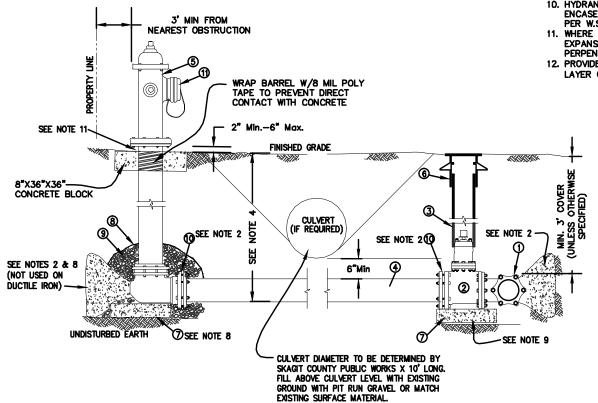
BILL OF MATERIALS		
NO.	NOMENCLATURE	REQ'D.
1	TEE WITH FLANGED BRANCH	1
2	6" VALVE WITH FLGXMJ CONNECTIONS (SEE NOTE 6)	1
3	CASING, 6" PVC SEWER PIPE	1
4	PIPE, 6" CLASS 50 DUCTILE IRON, FIELD CUT	
5	FIRE HYDRANT WITH PUMPER PORT, CLOW MEDALLION, OR AS	1
	APPROVED BY JURISDICTIONAL FIRE DEPARTMENT DISTRICT	
6	VALVE BOX, CAST IRON OLYMPIC FOUNDRY VB007/SKAGIT	1
	(SEE P.U.D. DETAIL)	
7	BLOCK, PRECAST CONCRETE, SEE NOTE 8.	1
8	FABRIC, GEOTEXTILE, NON-WOVEN (MIRAFI 140N) ^d	
	1/4 CY DRAIN ROCK, 1-1/2"-3/4", NO FINES	
10	MEG-A-LUG, 6"/GRIP RING 6"	2
11	HYDRANT ADAPTER STORZ STYLE S-37 W/SC CAP & CABLE, 5"x4"PCT	1

OR EQUIVALENT APPROVED BY THE DISTRICT

SEE SHEET 2/2 FOR WALL REQUIREMENTS FOR HYDRANTS



NOTES:

- ALL MATERIALS AND BRANDS MUST BE APPROVED BY P.U.D.
- BLOCK TEE AND HYDRANT WITH POURED CONCRETE ON ALL WATER MAINS OTHER THAN DUCTILE IRON AND ON ALL TAPPING SLEEVES AS REQUIRED PER DISTRICT BLOCKING DETAIL. IN ADDITION, 6" "MEGALUGS" (OR APPROVED EQUIVALENT) ARE TO BE INSTALLED AT VALVE AND HYDRANT M.J. OUTLETS. RESTRAIN ANY JOINTS IN THE PIPELINE WITH "FIELD LOK" GASKETS (OR APPROVED EQUIVALENT) INSTALLED IN THE BELLS OF TYTON JOINT PIPE OR "MEGALUGS" ON M.J. BELLS.
- NO THRUST BLOCK REQUIRED BEHIND TEE ON 8" DUCTILE IRON OR LARGER MAINS. 3. PROTECTIVE BARRIER POSTS MAY BE NECESSARY AT SOME HYDRANT INSTALLATIONS.
- CONTACT FIRE DEPARTMENT/DISTRICT FOR SPECIFIC REQUIREMENTS. HYDRANT LENGTH AND TRENCH DEPTH SHALL BE SO AS TO PROVIDE FOR HYDRANT
- SETTING AT 2" MIN. AND 6" MAX. ELEVATION ABOVE FINISH GRADE.
- SET HYDRANT VERTICAL. USE LEVEL. COMPACT ALL BACKFILL.
- VALVE SHALL BE AWWA STANDARD GATE. "O" RING PACKING. NON-RISING STEM. 2" OPERATING NUT, RESILIENT WEDGE.
- HYDRANT LOCATIONS ARE DETERMINED BY THE FIRE MARSHAL WITH AUTHORITY FOR AREA CONCERNED.
- CONCRETE BLOCK WILL BE BELOW THE DRAIN HOLES AND DRAIN ROCK. TAKE CARE TO NOT PLUG DRAIN HOLES OR CONTAMINATE DRAIN ROCK.
- SET MINIMUM 1 SQ.FT. CONCRETE SUPPORT TIGHT UP UNDER VALVE AND HYDRANT. 10. HYDRANT BARREL, LEAD, TEE, AND VALVE MUST BE WRAPPED WITH POLYETHYLENE PIPE
- ENCASEMENT TAPE WHICH IS A MINIMUM OF 8-MIL THICK. IT MUST BE INSTALLED AS PER W.S.D.O.T. STANDARDS AND IN ACCORDANCE WITH A.W.W.A. C105. 11. WHERE HYDRANTS ARE INSTALLED IN THE SIDEWALK, THERE SHALL BE A MINIMUM 3/8"
- EXPANSION JOINT AROUND THE BARREL OF THE HYDRANT <u>AND</u> AN EXPANSION JOINT PERPENDICULAR ACROSS THE SIDEWALK, INTERSECTING THE HYDRANT BARREL. 12. PROVIDE A MINIMUM OF 3'-0" LEVEL WORKING AREA AROUND HYDRANT USING 6" THICK

LAYER OF 5/8" MINUS CRUSHED ROCK COMPACTED TO 95%

ALL FIRE HYDRANTS SHALL COMPLY WITH THE STANDARDS ISSUED BY THE SKAGIT COUNTY FIRE MARSHAL. HYDRANTS SHALL BE THE DRY BARREL TYPE WITH TWO HOSE OUTLETS WITH AN INSIDE DIAMETER OF 2-1/2 INCHES AND ONE LARGE PUMPER OUTLET WITH AN INSIDE DIAMETER OF 4 INCHES. SMALL PORTS SHALL HAVE NATIONAL STANDARD THREADS MEASURING 3,0625 INCHES OUTSIDE DIAMETER AT 7-1/2 THREADS PER INCH. PUMPER PORTS SHALL BE NO. 3 PACIFIC COAST THREADS MEASURING 4.828 INCHES OUTSIDE DIAMETER AT 6 THREADS PER INCH. THE OPERATING NUT SHALL BE 1-1/4 INCH PENTAGON.

A STORZ QUICK COUPLER CONNECTED TO THE PUMPER PORT MAY BE REQUIRED. CONTACT FIRE DISTRICT/DEPARTMENT.

PUD NO. 1 OF SKAGIT COUNTY ENGINEERING MANAGER

APPROVED ON:

May 6

, 2014

PUBLIC UTILITY DISTRICT

STANDARD INSTALLATION OF FIRE HYDRANT "CENTER STEM TYPE"

STANDARD SCALE: NTS DATE: 3-25-05 REVISED: 5/6/14 DRAWN BY: CAS APPROVED BY: GJS SHEET 1/2

WH-1a