



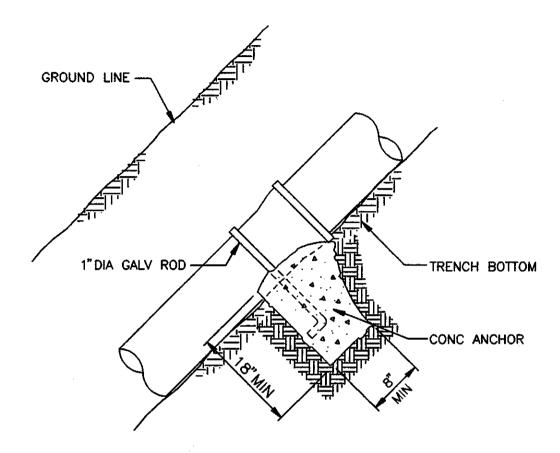
2585003/KCPW1

12.95

KITSAP COUNTY Dept. of Public Works

PIPE TRENCH

DETAIL PD-1



GENERAL NOTES:

- 1. MINIMUM ANCHOR BLOCK SIZE 8"x12"x18" UNLESS OTHERWISE NOTED.
- 2. BLOCKING SHALL BE POURED AGAINST UNDISTURBED SOIL.
- 3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

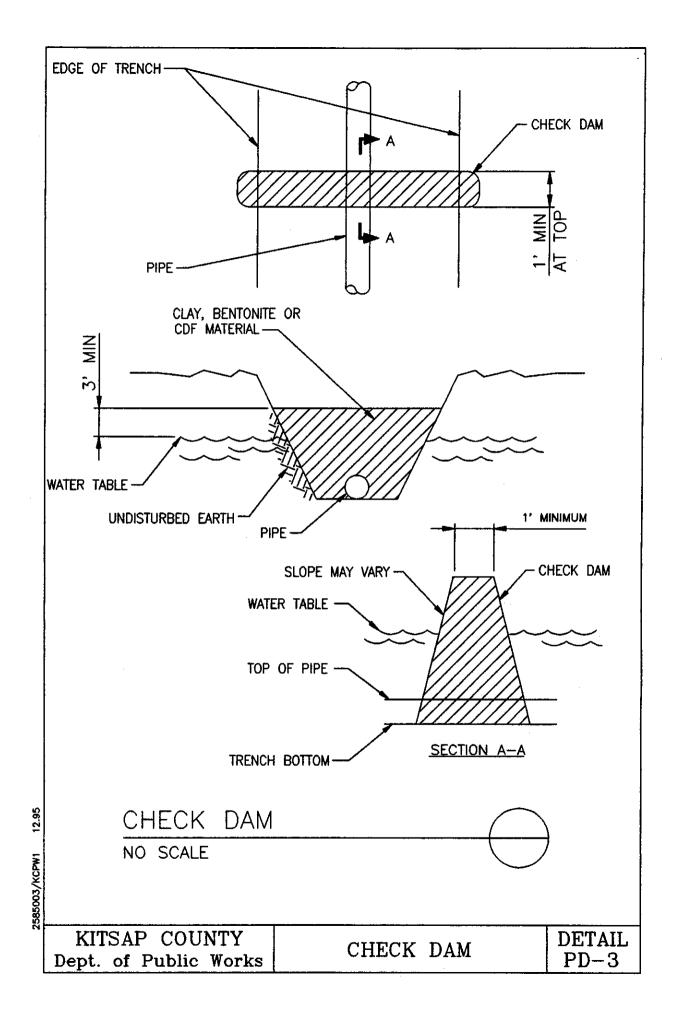
PIF	PE ANCHOR	
NO	SCALE	

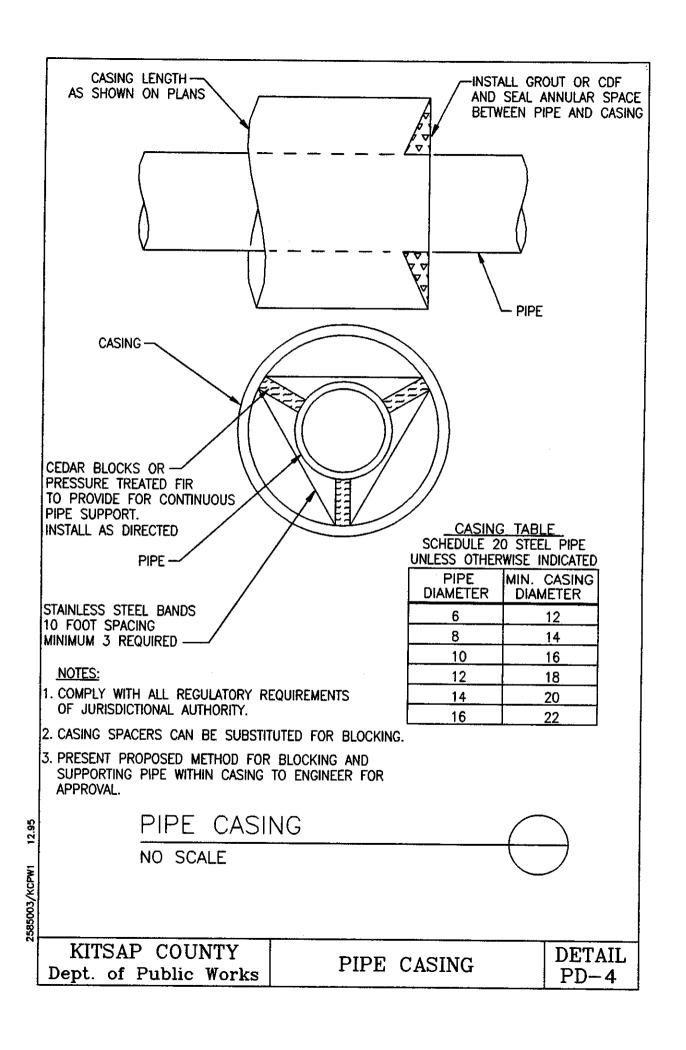
2585003/KCPW1

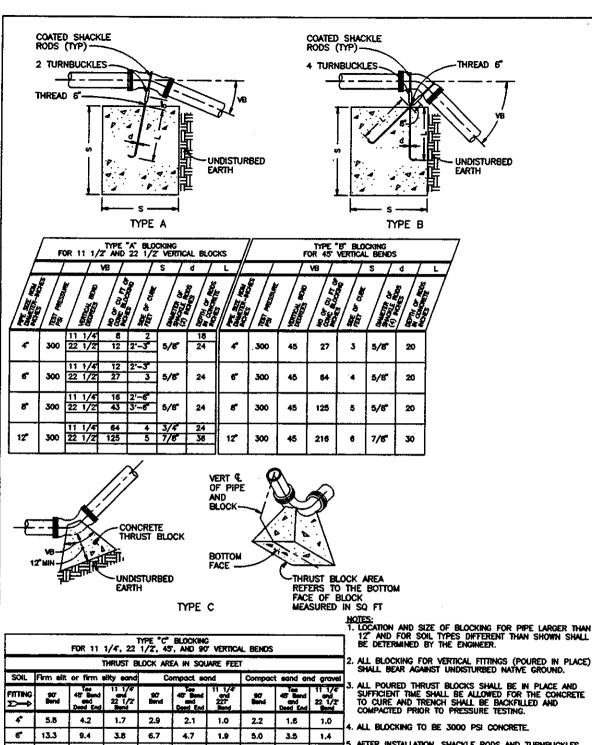
KITSAP COUNTY Dept. of Public Works

PIPE ANCHOR

DETAIL PD-2







14.0

23.3 16.7 6.7 11.7 8.4 3.4 8.8 6.3 2.5 37.5 15.0 26.5

AREAS CALCULATED ON 300pei TEST PRESSURE AND 36" MIN COVER.

ALL BLOCKING FOR VERTICAL FITTINGS (POURED IN PLACE) SHALL BEAR AGAINST UNDISTURBED NATIVE GROUND.

AFTER INSTALLATION, SHACKLE RODS AND TURNBUCKLES SHALL BE CLEANED AND COATED WITH 2 COATS OF ASPHALTIC VARNISH, ROYSTON ROYKOTE #612XM OR APPROVED EQUAL.

SHACKLE RODS SHALL BE ROUND MILD STEEL, ASTM A-36 WITH THREADS ON ENDS ONLY.

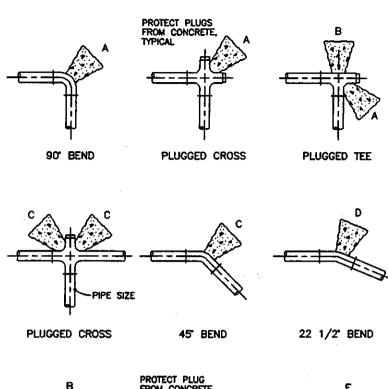
BLOCKING AGAINST FITTINGS SHALL BEAR AGAINST THE GREATEST FITTING SURFACE AREA POSSIBLE, BUT SHALL NOT COVER OR ENCLOSE BELL ENDS, JOHNT BOLTS OR GLANDS.

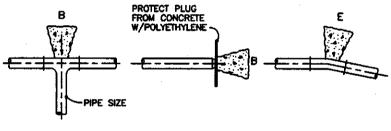
VERTICAL THRUST BLOCKS NO SCALE

KITSAP COUNTY Dept. of Public Works VERTICAL THRUST **BLOCKS**

DETAIL PD-5

12.95





TEE

DEAD END

11 1/4" BEND

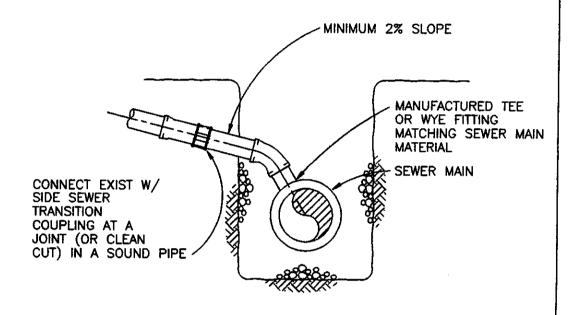
BLOCK	CONCRETE AREA IN SQ FT AGAINST SOIL FOR EACH PIPE SIZE				
LETTER	4"	6	8	10"	12
A	2.0	3.5	6.5	10.5	15.0
8	1.5	2.5	4.5	7.5	10.5
C.	1.0	2.0	3.5	5.0	8.0
D	1.0	2.0	3.5	5.0	4.0
E					

NOTE:
CONCRETE THRUST BLOCK SHALL EXTEND
FROM PIPE FITTING TO UNDISTURBED
SOIL. THE AREA IN SQUARE FEET OF THE
CONCRETE AT THE END LAYING AGAINST
THE UNDISTURBED SOIL SHALL NOT BE
LESS THAN THE TABULAR VALUES SHOWN.

HORIZONTAL	THRUST	BLOCKS	
NO SCALE		. \	

KITSAP COUNTY Dept. of Public Works

HORIZONTAL THRUST BLOCKS DETAIL PD-6



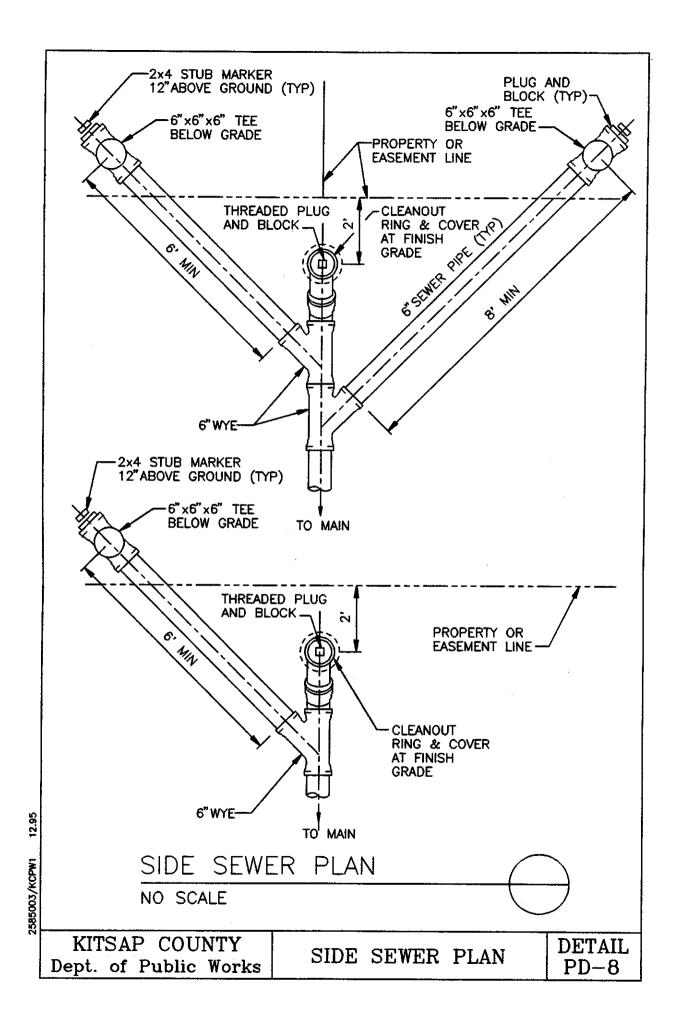
SIDE SEWER CONNECTION (NO SCALE

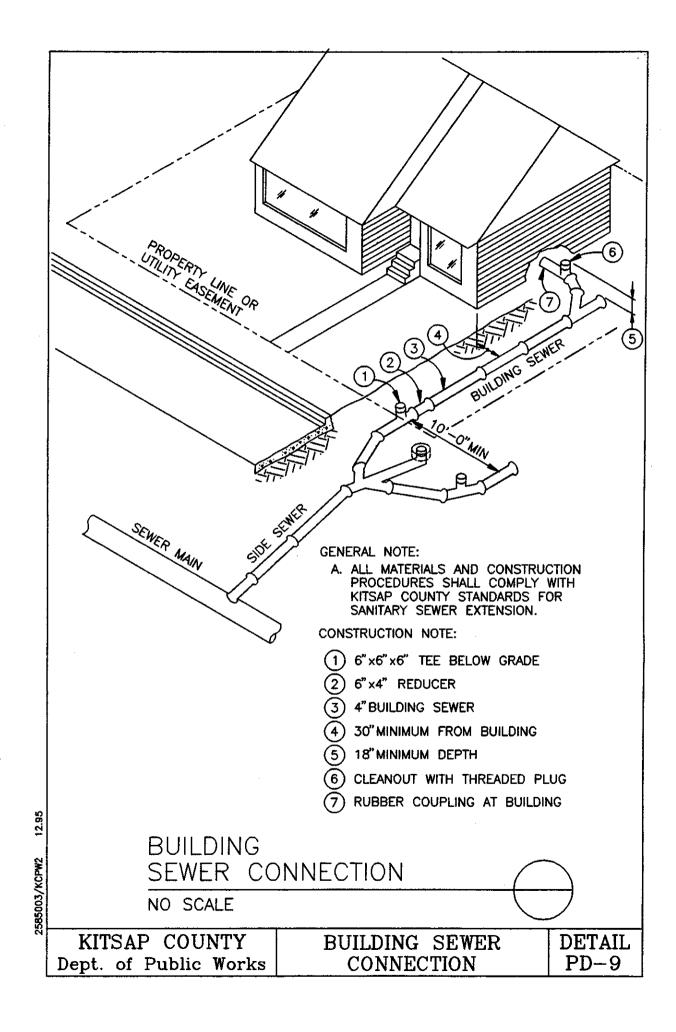
2585003/KCPW1

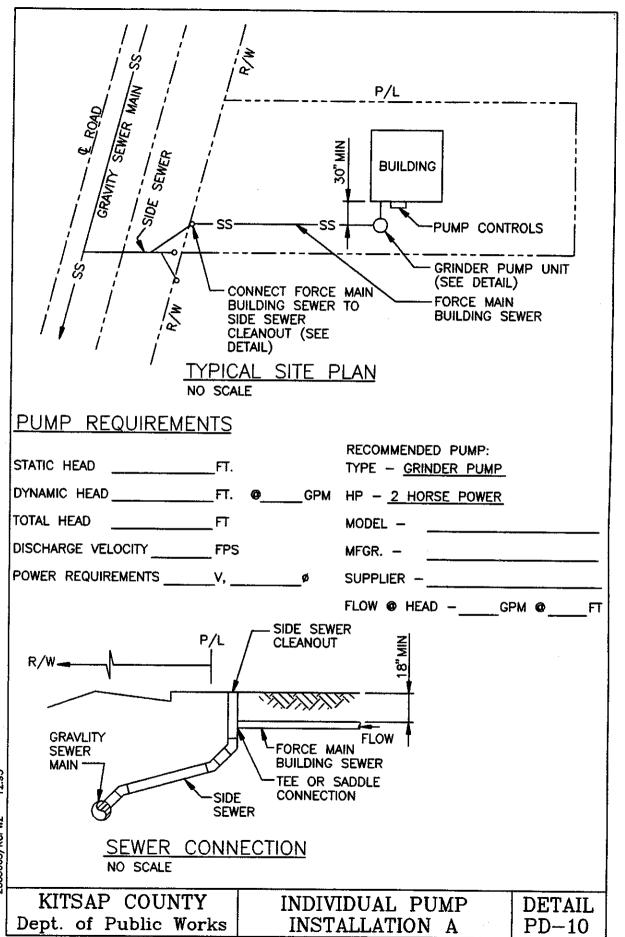
KITSAP COUNTY Dept. of Public Works

SIDE SEWER CONNECTION

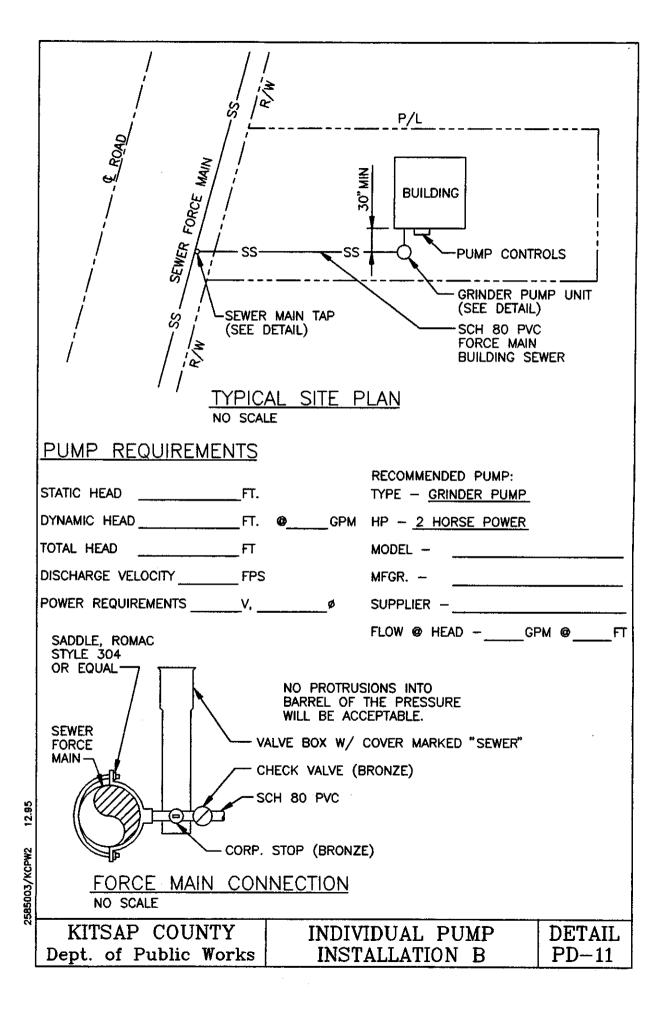
DETAIL PD-7

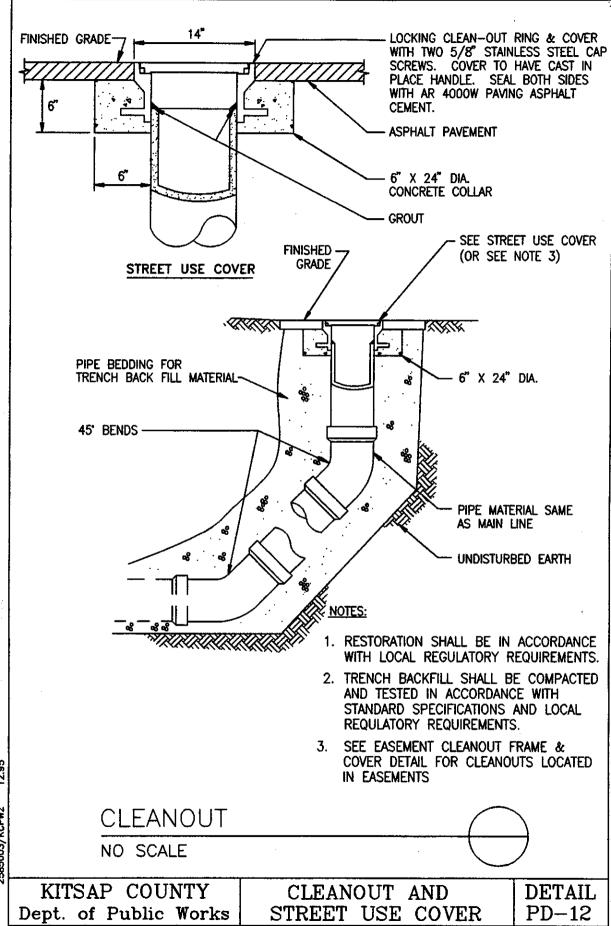




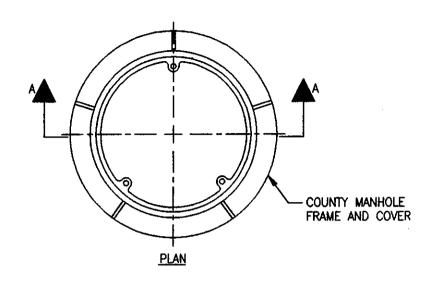


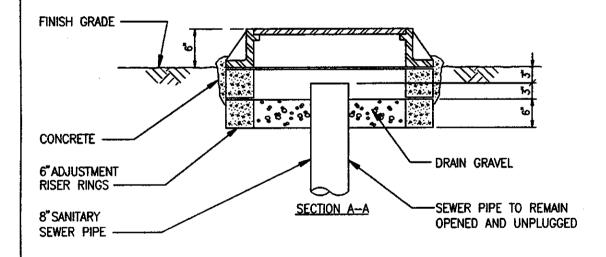
- CARGOVY E00





2585003/KCPW2

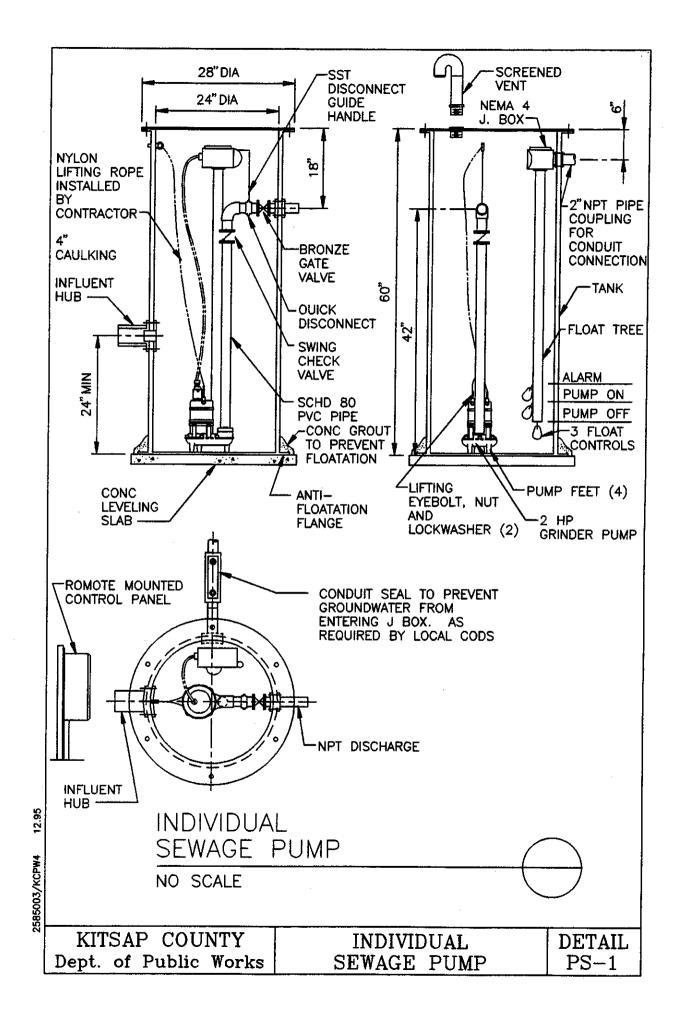






SARON / VCDWO

KITSAP COUNTY Dept. of Public Works EASEMENT CLEANOUT COVER DETAIL PD-13

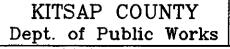


GENERAL CONSTRUCTION NOTES

- Construction materials and workmanship shall conform to the requirements of the most recent edition of "Kitsap County Department of Public Works Standards for Sanitary Sewer Extensions" in conjunction with the most recent edition of "The Standard Specifications For Road, Bridge, and Municipal Construction" prepared by the Washington State Chapter of the American Public Works Association.
- The contractor shall arrange for a preconstruction conference prior to commencing construction. The engineer and/or inspector for the Wastewater Division of the Kitsap County Public works Department shall be in attendance.
- 3. All sewer installation inspections and test observations shall be made by Kitsap County Department of Public Works Wastewater Division. The County inspector shall be notified two days in advance of commencing work on a sanitary sewer extension. Prior to final acceptance of all installations, the County shall conduct an inspection of all main lines by the use of television equipment. Final acceptance of sewer installations will not be made until tests and inspections are complete and prove satisfactory.
- 4. (Pipe requirements)
- 5. (Bedding requirements)
- 6. (Backfill material and compaction requirements)
- The physical connection to an existing manhole or sewer shall not be made until authorized by the County. Such authorization will not be given until all upstream lines have been completely cleaned and all debris removed.
- 8. Gravity mains shall be tested by the low pressure air method. Pressure mains shall be tested by the hydrostatic test method. All tests shall be made in the presence of the County inspector.
- 9. Drop manholes shall, in all respects, be constructed as a standard manhole with the exception of the outside drop connection as shown on the standard plan "Drop Manhole Connection".
- 10. Manholes shall be precast reinforced concrete units with eccentric cones conforming to the standard plan "Type 1 Manhole". Joints between precast wall sections shall be confined 0—ring type.
- 11. Manhole frame and covers shall be cast iron, three bolt locking type, Olympic Foundry type MH30D/T, or equal. Bolts shall be 5/8" stainless steel socket head, countersunk. The cover shall have the word "SEWER" in 2" raised letters cast in it.
- 12. Cleanout frame and covers shall be cast iron two bolt locking type, Olympic Foundry type M1025, or equal. Bolts shall be 5/8" stainless steel socket head, countersunk.
- 13. All side sewers shall be 6" diameter minimum and laid on a minimum slope of 2 percent. All side sewers shall be provided with a cleanout and test tees for each lot to be served.
- Check dams shall be placed at 100 foot intervals on gravity mains laid on 6 percent or greater slopes.
- 15. Concrete pipe anchors shall be placed on sewer mains where slopes exceed 20 percent. Anchors shall be placed on 36 foot centers for slopes 20 to 35 percent, on 24 foot centers for slopes 35 to 50 percent, and on 16 foot centers for slopes 50 percent and greater.

GENERAL CONSTRUCTION NOTES

NO SCALE



GENERAL CONDITIONS/NOTES DETAIL MD-1