

# General Notes

1. All work and materials shall be in accordance with the APWA Standard Specifications, 1975 Edition, and shall be subject to the approval of the City Engineer.
2. The Office of the City Engineer shall be contacted 24 hours prior to any construction.

## Sanitary Sewer and Storm Drains

1. Pipe shall conform with PSM-ASTM D 3034-74A standards. Tees shall be installed at all side sewer locations.
2. Trench excavation and backfill shall be Class A in accordance with Section 61-2.01 of the Standard Specifications. Pipe bedding shall be in accordance with Section 61-3.03 D1.
3. Trench backfill shall be bank run gravel unless otherwise approved by the City Engineer. Trench compaction shall be 90 percent of maximum (at optimum moisture content) as determined by Modified Proctor Test. Top two feet shall be compacted to 95% of maximum.
4. Manholes shall be Type I-48 with offset cones. Manhole ring and cover shall be in accordance with Standard Plan No. 42.
5. Manhole catch basins shall be Type II-C with frame and grate in accordance with Standard Plan No. 49.
6. Catch basins shall be Type I-C, and curb inlets shall be Type IV-C. Frame and grate shall be in accordance with Standard Plan No. 49.
7. Eight inch clean-outs shall be in accordance with Standard Plan No. 45.
8. Four inch or 6 inch common sewers shall be stubbed to property line at no less than 2% grade.
9. Contractor shall note station of tee at main line and station of side sewer at property line. Engineer shall note stationing on "as built" plan.

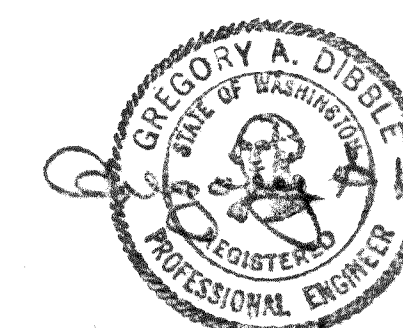
## Water Main and Appurtenances

1. Water main shall be Ductile Iron Pipe, USA Standard A21.50 Thickness, Class 2. Test pressure shall be 150 psi and testing shall be done in the presence of the City Engineer.
2. Fire hydrant assembly shall be Iowa (6"Ø-5-1/4 MVO) subject to the approval of the City Engineer.
3. Blow-offs shall be in accordance with Standard Plan No. 74.
4. Water services shall include corporation stop, 1 inch copper (double service line) or 3/4 inch copper (single service line), type K water line, metersetter, water meter, and meter box, all subject to approval by the City Engineer prior to installation.
5. Contractor shall be responsible for noting the station of each corporation stop. Engineer shall note station on "as built" plan.

*Gregory A. Duggan*

AS-BUILT AS SHOWN  
1-22-86

Location: A portion of  
NE 1/4, SW 1/4  
Section 19  
Township 39 N  
Range 3 East, W M



## MANOR VIEW ESTATES

DATE: JUNE 2, 1978	SCALE: 1" = 50'
JOB NO. 00278	OWN BY: M. GREEN
F.B. NO. 107-A, 117	SHEET 3 OF 6
HARRISON SURVEYORS 100 CENTRAL AVENUE BELLINGHAM, WASHINGTON	SEWER & WATER PLAN