



CITY OF TUKWILA  
Public Works Department  
206-433-0179

**BULLETIN B2  
STANDARD CONSTRUCTION PLAN NOTES**

Locations shown for existing utilities are approximate.  
Prior to starting construction,  
Contact ONE-CALL (1-800-424-5555) for utility locations.

**CONTACTS**

1. Project Manager *Provide Name and Contact Number*
2. Design Engineer *Provide Name and Contact Number*
3. Owner: *Provide Name and Contact Number*
4. Other: *Provide Name and Contact Number*

**GEOTECHNICAL NOTE**

I, \_\_\_\_\_, the architect/structural engineer, reviewed the geotechnical report, titled \_\_\_\_\_, prepared by \_\_\_\_\_ and dated \_\_\_\_\_. I understand the report's recommendations, I explained to the Owner the risks due to slides and I incorporated the recommendations into the design. I established measures to reduce potential risk of injury or damage that might be caused by any earth movement predicted in the report.

Signature \_\_\_\_\_

Date \_\_\_\_\_

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The following standard notes should be modified to fit the project, before they are included on the plans.

## BULLETIN B2 STANDARD CONSTRUCTION NOTES

### GENERAL

1. At least one week before beginning construction, contact Public Works Utilities Inspector and schedule a preconstruction meeting.
2. Notify the Utilities Inspector at 206-433-0179 at least 48 hours (2 working days) before starting project site work.
3. Request a Public Works utility inspection at least 24 hours ( 1 working day) in advance by calling 206-433-0179.
4. The Contractor assumes sole responsibility for worker safety, and damage to structures and improvements resulting from construction operations.
5. The Contractor shall have the permit(s) and conditions, the approved plans, and a current copy of City of Tukwila *Development Guidelines and Design and Construction Standards* available at the job site.
6. All work shall conform to these approved drawings. Any changes from the approved plans require pre-approval from the owner, the engineer, and the City of Tukwila.
7. All methods and materials shall meet City of Tukwila *Development Guidelines and Design and Construction Standards*, unless otherwise approved by the Public Works Director.
8. Contractor shall maintain a current set of record drawings on-site.
9. Contractor shall provide record drawings prior to project final approval.
10. Contractor shall provide traffic control and street maintenance plan for Public Works approval before implementation.
11. All surveying for public facilities shall be done under the direction of a Washington licensed land surveyor. Vertical datum shall be NAVD 1988. For projects within a flood control zone, the Permittee shall provide conversion calculations to NGVD 1929. Horizontal datum shall be State Plane Coordinates.
12. The Contractor shall replace, or relocate all signs damaged or removed due to construction.

### GRADING AND EROSION CONTROL NOTES

1. The erosion prevention and sediment control (ESC) measures on the approved plans are minimum requirements.
2. Before beginning any construction activities, establish the clearing limits and install construction entrance.
3. Before any ground disturbance occurs, all downstream erosion prevention and sediment control measures (ESC) must be constructed and in operation. Install and maintain all ESC measures according to the ESC plan.
4. ESC measures, including all perimeter controls, shall remain in place until final site construction is completed and permanent stabilization is established.
5. From **May 1 through September 30**, provide temporary and permanent cover measures to protect disturbed areas that will remain unworked for **seven days** or more.

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6. From **October 1 through April 30**, provide temporary and permanent cover measures to protect disturbed areas that will remain unworked for **two days** or more. In addition to cover measures, the Contractor shall:
  - Protect stockpiles and steep cut and fill slopes if unworked for more than **12 hours**.
  - Stockpile, on site, enough cover materials to cover all disturbed areas.
7. By **October 8**, seed all areas that will remain unworked during the wet season (October 1 through April 30). Mulch all seeded areas.

### UTILITY NOTES

1. All trench excavation operations shall meet or exceed all applicable shoring laws for trenches. All trench safety systems shall meet WISHA requirements.
2. Place power, cable, fiber optics, and telephone lines in a trench with a 5' minimum horizontal separation from other underground utilities.
3. Adjust all manholes, catch basins, and valves in public rights-of-way or easements after asphalt paving.

### WORK IN RIGHT-OF-WAY

1. When activity is unattended, install a sign with minimum two-inch letters stating Permittee or company name, and day and evening phone numbers. TMC 11.08.140
2. Install barricades, signs, warning lights, and safety devices sufficient to notify public of obstruction or traffic hazard. Devices must remain until the obstruction is cleared and the right-of-way is restored. TMC 11.08.170.A
3. Maintain access to fire stations, fire hydrants, fire escapes, and fire fighting equipment. TMC 11.08.180
4. Maintain access to property adjoining excavation or site work.
5. Preserve and protect all property adjoining excavation or site work.
6. Restore disturbance to private and public property. TMC 11.08.220.D
7. Disturbance of survey monuments and markers requires the Director's preapproval. A licensed surveyor shall replace disturbed monuments and markers.
8. Comply with all state and city laws and procedures to protect public from air, water and noise pollution. TMC 11.08.210
9. Install temporary sidewalk or curb ramp if permanent is blocked. TMC 11.08.220
10. Cover open excavation with non-skid steel plates ramped to elevation of contiguous right of way surface. TMC 11.08.220
11. Store all stockpile material shall be stored in a safe manner to protect the public.

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### **PAVEMENT RESTORATION**

1. Compact backfill to compaction of undisturbed ground or compact backfill to meet City standards.
2. Restore pavement to its original condition immediately following backfilling or when concrete is cured.
  - a. Except for winter or other weather conditions which prevent paving, complete paving, resurfacing, or facility replacement :
    - On principal arterial, major or collector street within 3 calendar days.
    - On other streets within 7 calendar days
  - b. For work prevented due to weather:
    - Provide a temporary patch.
    - Provide a construction schedule addressing means and methods to minimize traffic disruption and to complete work as quickly as possible.

### **STORM DRAINAGE NOTES**

1. All methods and materials shall meet City of Tukwila *Development Guidelines and Design and Construction Standards*, and the current *King County Surface Water Design Manual*, unless otherwise approved.
2. Mark all storm drain inlets with "Dump No Waste" and either "Drains to Streams", "Drains to Wetlands", or "Drains to Groundwater", as applicable.
3. Driveway culverts shall be of sufficient length to provide a minimum 3:1 slope from the edge of the driveway to the bottom of the ditch. Culverts shall have beveled end sections that match the side slope.
4. Single family residences constructed on lots created by subdivision must provide downspout infiltration shown on the approved plans.
5. Coordinate final stub-out locations with the Utilities Inspector. Provide a wire or other detection device and mark stub-out location with a 5-foot 2"x4" stake, buried 4-feet and labeled "storm" or "drain".

### **SANITARY SEWER NOTES**

1. All methods and materials shall meet City of Tukwila *Development Guidelines and Design and Construction Standards*, unless otherwise approved.
2. The Contractor shall mark the end of the side sewer, inside the property line, with a 4 foot pressure treated 2 x 4, buried in the ground 4 feet. The buried end shall have a 2 x 4 cleat nailed to it to prevent withdrawal of the stake. The exposed 1-foot shall be painted traffic yellow and the depth to the side sewer or tee shall be indicated in black paint.
3. Install sanitary sewer lines at least 10 feet horizontally, measured edge to edge, from any existing or proposed water supply and at least 18 inches below the bottom of a water line.

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**WATER SUPPLY NOTES**

1. The Contractor shall install corporate stops, water service lines, and meters. The City of Tukwila will install the meters.
2. Pressure test all water mains and appurtenances.
3. Flush and disinfect new, cleaned, or repaired water mains.
4. Install restrained joints at all bends, tees, and other direction changes.
5. All water mains shall have a blow-off assembly at low point and an air vacuum relief valve at high point of main.
6. Install fire hydrant assembly so it stands plumb and so that the lowest outlet is at 18" above the finished grade. The assembly shall have a clear zone around hydrant of at least 36" and the pumper port shall face street or fire access.
7. The installer of a fire line backflow prevention device installed outside the building and underground, shall have a Level III certificate of competency or a Level U contractor's certificate of competency. If the installer is different from the backflow prevention designer, the installer must stamp, sign, and date the plans, in addition to the designer's stamp, signature, and date.
8. Install water mains crossing sewer lines so that the bottom of the water main is at least 18 inches above the top of the sewer. Locate full section of water pipe so that its midpoint is above the sewer pipe at the crossing. This installation may require special structural support for the water and sewer pipe.
9. Install water supply lines at least 10 feet horizontally, measured edge to edge, from any existing or proposed sewer and at least 18 inches above the top of a sewer.