

CITY OF BEAVERTON
** CONDITIONS OF PERMIT/APPROVAL **

ROW Permits involving street cuts/trenching and boring

General construction

- ❑ All proposed excavation limits shall be marked with white paint as per the Oregon Utilities Coordinating Council recommendations.
- ❑ Notify the City of Beaverton inspection division 48 hours prior to beginning construction at (503) 526-2400.
- ❑ Written notice shall be given to the adjacent property owners and tenants a minimum of forty-eight (48) hours, (but no more than 5 days) prior to start up of construction. The notice shall clearly identify the location and type of work to be performed, the anticipated date and time that the work is to be performed, and the name and telephone numbers of the utility company's representative(s).
- ❑ A project sign shall be installed on each end of the project identifying the type of work being done, the name of the utility company and contractor and the name and telephone number of the utility company's responsible project contact person. Work with the City inspection and transportation staff as to location of the sign.
- ❑ ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987.) Locate requests shall be made 48 hours prior to any work taking place and after the proposed excavation limits have been marked with white paint. The one call number is (503) 246-6699.
- ❑ The contractor, or owner as contractor, is responsible for erosion control in accordance with OAR 340-41-455, and must promptly remove all debris, asphalt concrete and rocks from the project site.
- ❑ The owner, or owner as contractor is to include any subcontractors on the permit application. The Contractor and/or owner as contractor, shall have a copy of the City permit, approved plans and all attachments on hand at the work site. All work shall conform to the permit terms, conditions and provisions; the franchise agreement; and to the City of Beaverton's standard and specifications. Any changes to the proposed work must be approved by the City, in advance of work performance.
- ❑ If this project involves the installation of conduit and vaults etc. for more than just one company, please provide the City the business name(s) of all companies that will use the proposed facilities listing their addresses, contact name(s) and phone numbers along with a description of what the proposed utility is for.
- ❑ Please provide the City the name, address and telephone number of the construction contractor(s) and the name and telephone numbers (office and mobile) of the contractors contact person, including after-hours telephone number(s) for emergencies.
- ❑ All construction sites are to be restored to their original condition. The owner and/or the contractor shall be responsible for all damages related to work done under this permit. The permit holder shall be responsible for repair of existing facilities (road, curbs, etc.) as may be necessary to repair deterioration or damage which occurred in conjunction with the work authorized by the permit. The extent of this repair, if needed, will be determined during construction by City inspection staff. Corrective work shall be done at the permit holder's expense.
- ❑ The contractor shall exercise all due care in protecting property along the route of the project. This protection shall include, but be not limited to, trees, yards, fences, drainage lines, mail boxes, driveways, shrubs, irrigation systems, rights of way and easements. If any of the above have been disturbed, they shall be restored to as near their original condition as possible.

- ❑ The City of Beaverton Landscape Section is to be notified prior to any work that disturbs landscaping in the public right-of-way. If any tree roots to be disturbed are over ½" in diameter, the City arborist shall be contacted at (503) 526-2206.
- ❑ The contractor shall remove all rubbish and waste materials on a regular basis, and shall exercise strict control over job site maintenance and cleaning throughout construction up to completion of the work.
- ❑ The contractor is responsible for erosion control in accordance with OAR 340-41-455, and must remove all debris, asphalt concrete and rocks from the project site. The permittee shall be held responsible for any violations of the rules should any visible or measurable erosion enter the storm water system.
- ❑ No overnight storage of equipment, materials or vehicles will be allowed in the public right of way.
- ❑ Significant changes to these plans must be approved by the City of Beaverton Engineer and the Engineer of record prior to implementation. All other changes must be approved by the City Inspector and the Engineer of Record.
- ❑ Following completion of construction, and prior to final inspection, one complete set of mylar as-built drawings containing any and all revisions to the permitted drawings shall be submitted. Note the final inspection "punch list" must be completed prior to release of the security. As-builts shall be black India ink on originals, or reverse reading, fixed-line photographically reproduced 4-mil mylar, 24 x 36 inches in size and to engineering scale.

Streets

- ❑ Street cuts shall be inspected by the City of Beaverton Inspection Section at (503) 526-2400, and shall be repaired in accordance with City of Beaverton Standard Drawing 300 & 302. Compaction reports are to be submitted to the Inspection Section whenever a street cut is done; this work is to be done in accordance with the City of Beaverton Engineering Design Manual requirements. Sidewalk compaction reports, if required, are also to be done in accordance with the City of Beaverton Engineering Design Manual
- ❑ Resurfacing shall be done with a minimum 3 ½" class "C" asphalt concrete (or match existing thickness, not to exceed 6") and compacted to 91% of max. density (Rice). All cut edges shall be sand sealed with CRS-1 or CRS-2 emulsified asphalt or equal.
- ❑ When Controlled Density Fill (CDF) is used to backfill around conduit in a street cut, the top 12 inches of the trench fill (below the pavement) shall be ¾ minus aggregate to ensure adequate sub-grade drainage, especially in conditions where cross drainage occurs (sag vertical curves for example). Under no circumstances shall concrete be used as trench backfill without specific, case-by-case written permission from the City Engineer.
- ❑ Controlled Density Fill (CDF) shall have a maximum design strength of 100 psi at 28 days and not exceeding 150 psi at 90 days. CDF shall be field-tested by an independent laboratory per ASTM PS 28, 29, 30 and D 4832 standards (the field technician shall be ACE Certified or equivalent). The Engineer of Record and the independent laboratory shall record: the name of the supplier (the engineer of record shall include with their daily report a copy of all batch tickets), the temperature of the air, ground, and mix (at time of placement), the weather conditions, other utilities encountered, and any other information which may affect the material. A minimum of 2 cylinders shall be taken each day that CDF is installed, and for every different mix used. These cylinders shall be broken with the following schedule: 1 at 7 days, 1 at 28 days, and 1 at 90 days with 1 reserve cylinder. All test reports shall be sent to the City Inspector, the Engineer of Record, and the supplier. Prior to paving, the CDF shall be tested per ASTM PS 31 by the independent laboratory.

- ❑ Street cuts must have the final pavement repair (matching existing material type) completed within 30 days from the date the pavement is cut unless an extension is approved by the City Engineer. The use of “cold patch” and steel plates will be allowed for up to the first 30 days after the pavement is cut, provided a daily inspection by the applicant is made and any necessary repairs are made on a timely basis. If the temporary patch is not monitored and maintained, the City Engineer may shorten the 30 day time limit.
- ❑ Street centerline monumentation shall be protected.

Water lines, hydrants etc.

- ❑ Only City staff (or TVWD staff for their water system) shall operate the water valves. Water for contractor’s use may be temporarily obtained from City fire hydrants through permit only. Permits can be obtained at the Operations Department located at 9600 SW Allen Blvd. Beaverton.
- ❑ All water services, small, large and hydrant branches need to be identified and protected.
- ❑ A five-foot (5’) minimum horizontal clearance from the edge of the existing water lines to the edge of the trench is required. The trench shall be properly shored to prevent weakening the soil foundation near waterlines.
- ❑ Contractor shall place conduit under any water line crossings with a one-foot (1’) minimum vertical separation between conduit and water line. A one-foot (1’) minimum vertical separation shall be required when crossing sanitary sewer lines and storm drain lines also.
- ❑ All horizontal and vertical bends of the water mains are supported by concrete thrust blocks and any disturbance to the blocking or the supporting soil may cause the waterline to fail. Do not remove supporting soil around thrust blocks.
- ❑ The contractor shall be responsible for repairing any damage to the water, storm drain or sanitary sewer system caused by project construction.
- ❑ City of Beaverton Operations department main telephone number is (503) 526-2220, for after hours emergencies call (503) 526-2260.

Sidewalks, ramps and driveway approaches

- ❑ Prior to removing any sidewalk, signs indicating that the sidewalk is closed shall be placed at all intersections leading to the sidewalk where work is being performed.
- ❑ All construction involving the removal of sidewalk sections or trenching through driveway approach panels will be required to replace the concrete from joint to joint (either a knife, contraction or expansion joint). Concrete mixture must be of a type approved by the City of Beaverton. Specifically, it must be a 4000 psi mixture at 28 days. An inspection for the forms, subgrade, thickness and other details is to be requested from the Engineering staff 24 hours prior to pouring concrete; for more information contact the City of Beaverton Inspection Section at (503) 526-2400. Refer to City of Beaverton detail drawings 206-Rev1 and 204 –Rev1.
- ❑ All sidewalks removed for construction along collector and arterial streets shall be plated (or patched with a hard durable material such as compacted 3/4"-0 crushed rock, asphaltic concrete or equivalent material) at the end of each work day.
- ❑ All driveway approaches removed or trenched through during construction shall be plated (or patched with a hard durable material such as compacted 3/4"-0 crushed rock, asphaltic concrete or equivalent material) so as to provide continued access to businesses along the route. Under no circumstances will a driveway approach be left in an un-passable condition overnight.
- ❑ All sidewalks removed for construction along residential streets shall have lighted barricades installed at the end of each work day or patched with a hard durable material such as compacted 3/4"-0 crushed rock, asphaltic concrete or equivalent material. No sidewalk shall be left in an impassable condition for a period exceeding 5 work days without the prior approval of the City Engineer.

- ❑ All wheelchair ramps which are disturbed (disturbed shall be defined as any physical destruction or alteration which causes the existing ramp to become either non-functional or in need of repair of over 10% of the ramp) shall be re-installed to current City standards.
- ❑ Existing sidewalks shall be kept free of obstructions except in those cases where, in the city engineer's judgment, the sidewalk must be obstructed or removed for construction purposes. If a sidewalk must be obstructed or removed, the sidewalk shall be restored as described above or an alternate temporary walkway shall be provided within 4 hours.

Traffic Control

- ❑ All flagging and traffic control plans on arterial and collector streets shall be designed to meet or exceed the requirements of the Manual on Uniform Traffic Control Devices (MUTCD) and shall be approved by the City Traffic Engineering Section prior to any work on site. The traffic control plans for residential streets shall also meet or exceed the requirements of the MUTCD. No street shall be closed for construction without prior approval by the City Engineer.
- ❑ The City reserves the right to add or modify traffic control requirements as may be necessary to effectively control traffic and to assure public safety. If proper traffic control is not maintained by the contractor, the City may require that the street be reopened to traffic and all work in the right-of-way cease until a new plan is submitted and approved by the City Traffic Engineering Section.
- ❑ Open trenching shall not exceed 200 feet in length at any time.
- ❑ Access to private driveways and side streets shall be maintained at all times.
- ❑ No construction activities shall occur at night or on weekends and holidays except with prior written approval of the City Engineer.
- ❑ When working at any signalized intersection, all pedestrian and traffic movements shall be maintained at all times.
- ❑ All pavement markings damaged by construction shall be promptly replaced in accordance with Section 440 of the Engineering Design Manual.
- ❑ If signal turn-off is required by Traffic Engineer, notify Darrell Cearley, Public Works, at (503) 526-2540 a minimum of 72 hr. in advance prior to beginning of work.

Work within PHOTO RED LIGHT intersections

The intersections with photo red light enforcement cameras are:

- Beaverton-Hillsdale & Griffith
- Allen & Lombard
- Hall & Scholls Ferry
- Walker & Cedar Hills
- 158th & Walker

Any project which will disrupt traffic at one of these intersections needs to provide notice. Disruption includes:

- putting the signal on flash;
- directing traffic through the red light (includes parades and police incidents);
- any work within the intersection (including any work within 100 feet of the crosswalk);
- any activity that is likely to cause traffic to back up through the intersection.

If the need for camera shut-off is unclear, contact Jabra Khasho at (503) 526-2221, this coordination should take place as part of the traffic control plan submittal and review. If it is determined that a shut down is necessary, call Peggy Porath, Police Department at (503) 526- 2540) will be needed a minimum 72 hours prior to beginning construction. She will contact Redflex to have the cameras shut off. She will need to know the location, when the disruption will begin (date and time), and when the disruption will end (date and time).