

PORTION OF THE S.E. 1/4, S.E. 1/4, SECTION 4, TOWNSHIP 23 NORTH, RANGE 5 EAST, W.M.

FILE NAME: _____ XREF: _____

DATE: _____ DATE: _____ DATE: _____

FILEBOOK: _____ DRAWING NO.: C28

PAGE: _____ SHEET 28 OF 28

PAPER SPACE: REEDSHAW PLAT

PLANT SCALE: CITY OF RENTON

VERTICAL SCALE: 1" = 40'

VERTICAL CURVE DATA: _____

SCALE: 1" = 40'

SCALE: ONE INCH = 10 FEET UNLESS OTHERWISE NOTED

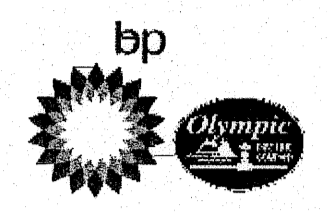
DESIGNED: LEL	DATE: _____
DRAWN: VK	DATE: _____
CHECKED: GAD	DATE: _____
APPROVED: _____	DATE: _____

BY: JBC DATE: 10/30/07

REVISION

PER CITY OF RENTON COMMENTS

NO. 2



OLYMPIC PIPE LINE COMPANY / BP PIPELINES NA INC GENERAL CONSTRUCTION & RIGHT OF WAY REQUIREMENTS

Olympic Pipe Line Company ("OPLC"), which is operated by BP Pipelines (North America) Inc. ("BP"), is committed to environmental stewardship and maintaining the safety of its employees, contractors and the general public. The pipelines BP/OPLC operates transport various liquids at high pressure, and do so very safely each and every day. There are however, potential hazards associated with construction or excavation work around pipelines. As a result of these potential hazards, and in compliance with the requirements imposed upon BP/OPLC as an industry regulated by the U.S. Department of Transportation and Office of Pipeline Safety, the following list of general requirements for working on the Pipeline rights-of-way has been compiled.

General Safety Requirements

- Washington One-Call at 1-800-424-5555 or Oregon One-Call at 1-800-332-2344 must be contacted at least 48 hours (2 working days) before any construction and/or excavation activities are initiated within the pipeline right of way so that OPLC may have a representative present to ensure that there are no conflicts with the pipeline. (There is no cost to the third party contractor to use the One-Call Notification service. However, failure to utilize the One-Call service can be quite costly in terms of unnecessary risk for the contractor/excavator, their employees, innocent bystanders, personal property of other and the environment, as well as potential civil penalties and/or fines.)
- To have the pipeline physically located and depth verified, please call OPLC's Field Project Office at (425)235-7767 or the Damage Prevention Office at (425)981-2517.
- OPLC requires a representative/inspector on site when any work is being performed within ten feet (10') of the pipeline(s) or if the reach of mechanized equipment is capable of extending within ten feet (10') of the pipeline(s). Forty-eight (48) hours prior notice to OPLC is highly recommended for any work. Notice to OPLC does not relieve the contractor of any notification responsibility to the appropriate state One-Call System.
- OPLC requires detailed construction plans and/or drawings for any work within the pipeline easement. OPLC requests at least 10 working days for review and comments/approval of plans. Plans and drawings should be submitted to Olympic Pipeline Company, Field Project Office, 2319 Lind Ave, SW, Renton WA 98055
- The contractor is responsible for having the pipeline location added to the construction drawings. The contractor is also responsible for taking all the necessary safety precautions and will be held responsible for any damages caused to the pipeline or property as a result of their work.

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Excavation Specific Requirements

- No excavation or construction activity will be permitted in the vicinity of the pipeline(s) until all appropriate communications have been made with OPLC's field projects and engineering personnel.
- There shall be no excavation or backfilling within the pipeline right of way for any reason without a representative from OPLC on site stating permission.
- In some instances, excavation and other construction activities around certain pipelines can be conducted safely only when the pipeline operating pressure has been reduced.
- Contractors are therefore cautioned that excavation which exposes or significantly reduces the cover over a pipeline may have to be delayed until the reduced pressure is achieved.

General Construction Activities

- The contractor shall not be permitted to transport construction materials or equipment longitudinally over the pipeline.
- Any required relocation or encasement of the pipeline(s) will be at the developer's expense.
- Development grading should not remove any of the existing ground cover from; or add excessive fill over the pipeline(s). OPLC's prior approval to add fill is required.
- Where it is necessary for construction equipment (i.e. tractors, backhoes, dump trucks etc.) or equipment transporting construction materials to cross the pipeline to gain access to the job site, a crossing shall be constructed at a 90 degree angle to the pipeline. The contractor will be responsible for protecting the pipeline depending on depth, soil conditions and type of equipment using either fill or steel sheeting for protection. Other means of temporary crossing to protect the pipeline may be considered by OPLC after evaluation and approval by OPLC engineering.
- No track type construction equipment shall be permitted to pivot or turn directly over the top of the pipeline.
- A scraper or pan type tractor shall not be used for removal of soil within ten feet (10') of the centerline of the pipeline. Rubber tire or small track type equipment is an acceptable alternative.
- A sheepsfoot roller shall not be used for compaction purposes within five feet (5') of the centerline of the pipeline.
- No vibratory rollers shall be used within three feet (3') of the centerline of the pipeline until the compacted cover over the pipeline has reached a depth of three and one-half feet (3 1/2').

Parking Lots, Roads, Driveways, Fences and Structures

- No permanent structures may be constructed on the pipeline right of way.
- No roads or fences shall run parallel to the pipeline within the pipeline right of way. Roads and fences shall cross the pipeline right of way at, or as near to, a 90 degree angle as is feasible. In no instance shall the angle of the crossing be less than 45 degrees. Fence posts must maintain a minimum three feet (3') clearance of the pipeline(s) when crossing the easement.
- There shall be a minimum vertical separation of two feet (2') between the pipeline and any underground structure.
- A minimum of five feet (5') of cover is required for all road crossings, and three feet (3') for driveways; however a stress factor calculation may be needed to determine the actual amount of cover required depending on soil conditions and other circumstances.

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- Proposals for parking lot construction on the pipeline right of way are discouraged. Asphalt paving may be permitted as an exception under certain conditions with an agreement executed by the property owner and OPLC. The agreement grants OPLC the right to excavate within the pavement area for any pipeline maintenance that may be necessary in the future and acknowledges the property owner as the party responsible for the expense of pavement replacement. If a parking lot is permitted by OPLC a minimum of four feet (4') of cover will be required. However OPLC will evaluate each proposal on an individual basis, and may impose additional requirements.
- Concrete pavement is discouraged; and in most instances will not be allowed.
- A minimum of three feet (3') of cover is required for all drainage ditches.
- No structures such as manholes, catch basins, thrust blocks or fire hydrants shall be located over the pipeline. A minimum horizontal clearance of ten feet (10') is required between the structure and pipeline.

Foreign Line or Utility Crossings

- All foreign lines shall cross the pipeline right-of-way at, or as near to, a 90 degree angle as is feasible.
- In no instance shall the angle of the crossing be less than 45 degrees.
- In no instance shall the foreign line be placed parallel to the pipeline within the pipeline right-of-way.
- The foreign line shall cross under the pipeline with at least two feet (2') of vertical separation unless the pipeline is at a prohibitive depth. In such cases, OPLC personnel will review and evaluate the proposed crossing location to determine if it will be allowable for the foreign line to cross above.
- If the foreign line is a telecommunications cable, power cable or similar in nature, the foreign line shall be placed in Schedule 40 PVC conduit; or greater, for a linear distance extending ten feet (10') on either side of centerline of the pipeline. In the case of a power cable it shall be encased in red-dyed concrete for a linear distance of ten feet (10') on either side of centerline of pipeline.
- A utility with a cathodically protected foreign line which crosses or is placed adjacent to OPLC's pipeline(s) must install a test point and perform interference testing between the utility and OPLC. Please contact OPLC's Corrosion Technician by calling our main office at (425) 226-8883.
- Below ground warning tape shall be placed in the ditch line above the foreign line. The warning tape shall be placed approximately one foot (1') below the final surface grade/elevation. The warning tape shall extend for a linear distance of ten feet (10') on either side of the centerline of the pipeline.

Landscape and Vegetation

- No trees are allowed on the pipeline right of way. OPLC may permit the installation of limited landscaping and minor shrubbery plantings with a verbal communication. For major development, landscaping plans must first be submitted in writing to OPLC for review and approval. Any plantings that restrict efficient aerial inspection or limit access to the easement area will be considered an interference and must be addressed accordingly.

OPLC reserves the right to impose further stipulations or requirements consistent with each individual easement or situation. Should you anticipate any problems regarding these requirements please contact OPLC's Field Project Office at (425)235-7767.

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**CALL 48 HOURS BEFORE YOU DIG
1-800-424-5555**

CHECKED FOR COMPLIANCE TO CITY STANDARDS

____ Date _____

____ Date _____

____ Date _____

RECOMMENDED FOR APPROVAL

BY: _____

BY: _____



15445 53RD AVE. S.
SEATTLE, WA 98188
PHONE: (206) 431-7970
FAX: (206) 388-1648
WEB SITE: PACENG.COM

Pacific Engineering Design, LLC
Civil Engineering and Planning Consultants

REEDSHAW PLAT

FOR: MAISTRO PROPERTIES
510 HANMER AVENUE SOUTH
SEATTLE, WA 98144
PHONE: (206) 276-7124 FAX: (206) 735-4689

RENTON, WA

PROJECT NO.: 06085

DRAWN BY: VK

ISSUE DATE: 12/05/06

SHEET REV.: 10/30/07

PIPELINE CROSSING NOTES

06085DT01-C28.DWG

C28

SHEET 28 OF 28

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