

Clearing and Grading

STD.8703

Scope

This standard provides Enterprise Products Company (Company) requirements for clearing and grading of right-of-way for pipeline construction and installation. These requirements shall apply to clearing and grading by Company forces or by other parties constructing to Enterprise standards. Clearing and grading shall comply with all applicable federal, state, and local regulations.

TABLE OF CONTENTS

1.0	DEFINITIONS.....	3
2.0	ONE CALL NOTIFICATION.....	3
3.0	CLEARING RIGHT-OF-WAY	3
4.0	GRADING.....	3
5.0	DAMAGES	4
6.0	DUST CONTROL	4
Attachment: Revision Log/Record.....		5

1.0 DEFINITIONS

For the purposes hereof, the right-of-way shall be a strip of land, width as detailed on the drawings and the Right-of-Way Line List. All of the Contractor's operations shall be confined within such applicable widths on each respective tract as designated on the Line List and Easement Plats and shall be controlling and binding upon the Contractor.

2.0 ONE CALL NOTIFICATION

It shall be the Contractor's responsibility to use the local area's One Call system prior to commencing construction in accordance with the regional requirements. Contractor shall keep a log of date, time, contact person name, and description of conversations of all phone conversations and meetings.

3.0 CLEARING RIGHT-OF-WAY

3.1. Limitations

Before clearing operations are started, the Contractor shall be familiar and comply with all special provisions included in the Company provided Right-of-Way Line List and environmental construction requirements.

3.2. Brush and Timber

- (1) Brush and timber encountered on the right-of-way shall be cleared to a width not exceeding the construction right-of-way width. Restrictions in right-of-way agreements prohibiting the cutting or damaging of certain trees shall be made known to Contractor, and Contractor shall conduct its work in such a manner as to avoid damaging these trees. Contractor will mark these trees in a manner that his/her own personnel will know to avoid removal or damage to the trees. Trees that will be ultimately left remaining on the right-of-way shall be cut or trimmed utilizing the proper tree trimming saws. Excavating equipment shall not be utilized to break off limbs and branches, therefore causing excessive damage to trees. Costs incurred by Company by the damage or removal of any trees will be reimbursed by Contractor, including any punitive damages which may be assessed as a result of the unauthorized damage or removal of the tree.
- (2) All brush, timber, stumps, overhanging limbs, and slash shall be disposed of by the Contractor in accordance with all applicable permits, state and local regulations, right-of-way Special Provisions, and the Construction Line List.

3.3. Utility Poles and Related Facilities

- (1) Where telephone or utility company power poles interfere with the safe ingress and egress of vehicles and equipment during construction, the Contractor shall take appropriate action with the facility owner/operator to seek approval for working around or relocating such interferences.
- (2) The Contractor shall make all necessary arrangements and payments for the relocation and preservation of such facilities during construction, if required, and with the written authorization from the utility company.

4.0 GRADING

- (1) The Contractor shall grade, as necessary, to mitigate the necessity of abrupt over-bends or sagbends. Contractor shall minimize the grading where practical to prevent unnecessary disturbance and minimize work required to return the right-of-way to its original elevations, slopes, and profile as closely as practical, but consistent with minimizing abrupt over-bends and sagbends. Graded subsoil materials shall be stockpiled so it can be returned to its

original depth and location as opposed to spread along the right-of-way. The Contractor shall grub, or otherwise remove and dispose of, all stumps, roots, and debris found to be in the way of construction within permanent right-of-way limits.

- (2) The requirements of Company's Storm Water Pollution Prevention Plan (SWPPP) and/or Best Management Practice (BMP) will apply to all erosion control operations. Temporary erosion control devices will be installed on the right-of-way during grading operations that will minimize erosion of the right-of-way. Temporary erosion control devices will be installed immediately following initial grading on all slopes greater than 5 percent and adjacent to intermediate streams.
- (3) When the Contractor is working around existing pipelines, spoil or mats shall be placed over the existing lines per the requirements of Company or the Operating Company of the foreign pipeline.
- (4) When required by regulatory statutes or line list special provisions, Contractor shall segregate and store the topsoil and shall restore the topsoil over the disturbed area upon completion.

5.0 DAMAGES

Contractor shall repair immediately any damage to bridges, public roads, private roads, fences, buildings, or other property. Contractor is responsible for all costs and for all damages regardless of whether the work is performed in accordance with hourly rate and/or lump sum rates. Company will be permitted to delay the release of contractual retainage until such damages are resolved and appropriate releases of liability have been obtained and provided to Company.

6.0 DUST CONTROL

During dry weather, when directed by the Company Representative, Contractor shall sufficiently water the right-of-way to minimize dust as necessary for air quality, welding quality, coating application purposes, and wildfire prevention.

Attachment: Revision Log/Record

Revision 0.0		Publish Date: 24 Jun 11
Location of Change	Type of Change	Reason for Change
N/A	N/A	
Revision 1.0		Publish Date: 13 Jun 12
Location of Change	Type of Change	Reason for Change
Section 3.2(1) and (2)	Deletion	Deleted obsolete content.
Section 4.0(2) and (4)	Revision	Reworded for clarity.
Section 6.0	Addition	Added phrase "and wildfire prevention".
Revision 2.0		Publish Date: 31 Jan 17
Location of Change	Type of Change	Reason for Change
Section 1.0	Revision	Deleted phrase "under the 'Remarks and Special Provisions' column of, and added phrase "on...and Easement Plats".
Section 3.2(2)	Addition	Added phrase "and the Construction Line List."
Section 3.3(1)	Addition	Added phrase "to seek...for working around or relocating such interferences."
Section 3.3(2)	Addition	Added phrase "and payments". Changed "of" to "from".
Section 4.0(2)	Addition	Added phrase "and/or Best Management Practice (BPM)".
Section 4.0(3)	Revision	Reworded for clarity. Added "Company or the" before "Operating Company".
Section 5.0	Addition	Added sentence "Company will be permitted to delay the release of contractual retainage until such damages are resolved and appropriate releases of liability have been obtained and provided to Company."