Form RE-05
(10/2025)

VIRGINIA PASSENGER RAIL AUTHORITY

TECHNICAL DETAILS FOR PIPELINE OCCUPANCIES

(Complete all Applicable Information)

a) **Type of Proposed Installation:**

i) _____Transverse crossing only

ii) _____Longitudinal occupancy only

iii) _____Longitudinal and transverse crossing(s)

iv) _____Pipeline in highway under railroad bridge

v) _____Pipeline on highway bridge over railroad

vi) _____Pipeline bridge over railroad

b) **Material to be conveyed: _____**

c) **Diameter of carrier pipe: _____**

d) **Diameter of casing pipe: _____**

e) **Proposed method of installation (Check proposed method)**

i) _____Bore and Jack (See Section 5.1.3 of VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY)

ii) _____Jacking (See Section 5.1.4 of VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY)

iii) _____Tunneling (Tunnel Liner Plate) (See Section 5.1.5 of VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY)

iv) _____Direction Boring/Horizontal Direction Drilling – Method A (See Section 5.1.6 of VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY)

v) _____Direction Boring/Horizontal Direction Drilling – Method B (See Section 5.1.6 of VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY)

vi) _____Open Cut (See Section 5.1.2 of VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY)

vii) _____Other (Specify):

_____

_____

All proposed transverse pipeline crossing applications shall include the following:

a. **Pipe Data Sheet** (RE-005)

b. **Plan View of Crossing** (See VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY Plate II, below is a suggested check- list for your plan development)

☐ All railroad tracks, including distance to any turnouts from proposed pipeline

☐ Indicates distance (in feet) to railroad mile post or grade crossing

☐ Angle of crossing relative to railroad track(s)

☐ Dimensioned property lines

☐ Location of valves (if required by VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY)

☐ Location of vents (if required by VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY)

☐ Location of signs (preferably located at edge of property or right-of-way lines)

☐ Location of railroad pole lines or signal facilities

☐ Location of any above or below ground utilities

☐ If proposed pipeline is within highway limits, show the location and type of grade crossing traffic control devices (mast flashers, cantilever flashers, gates, etc.)

☐ Indicate total length of pipeline occupying the right of way

☐ Casing pipe length

☐ Location of launching and receiving pits

Profile View of Crossing (See VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY Plate III, below is a suggested checklist for your plan development)

☐ Profile of ground above crossing

☐ Distance to valves (if required by VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY)

☐ Distance to vents and height above ground (if required by VPRA SPECIFICATIONS FOR PIPELINE OCCUPANCY)

☐ Distance to signs

☐ All known property lines

☐ Theoretical railroad embankment lines PLATE III

☐ Proposed location and elevations of launching and receiving pits

☐ Indicate total length of pipeline occupying the right of way

☐ Casing pipe length

☐ Bottom of rail elevation

☐ Depth of cover between bottom of rail and top of casing pipe (or carrier pipe if casing pipe not required)

☐ Location of and the minimum depth of cover from ground line to top of casing pipe on right-of-way (such as ditches)

c. **General Notes**

All plans shall include the following General Notes:

- Contractor shall follow all requirements of VPRA's SPECIFICATIONS FOR PIPELINE OCCUPANCY
- Pipeline and crossing to be installed and maintained in accordance with last approved AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION Specifications for Pipelines Conveying Flammable and Non- flammable Substances

- Blasting not permitted