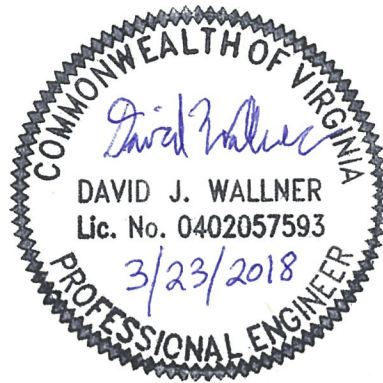


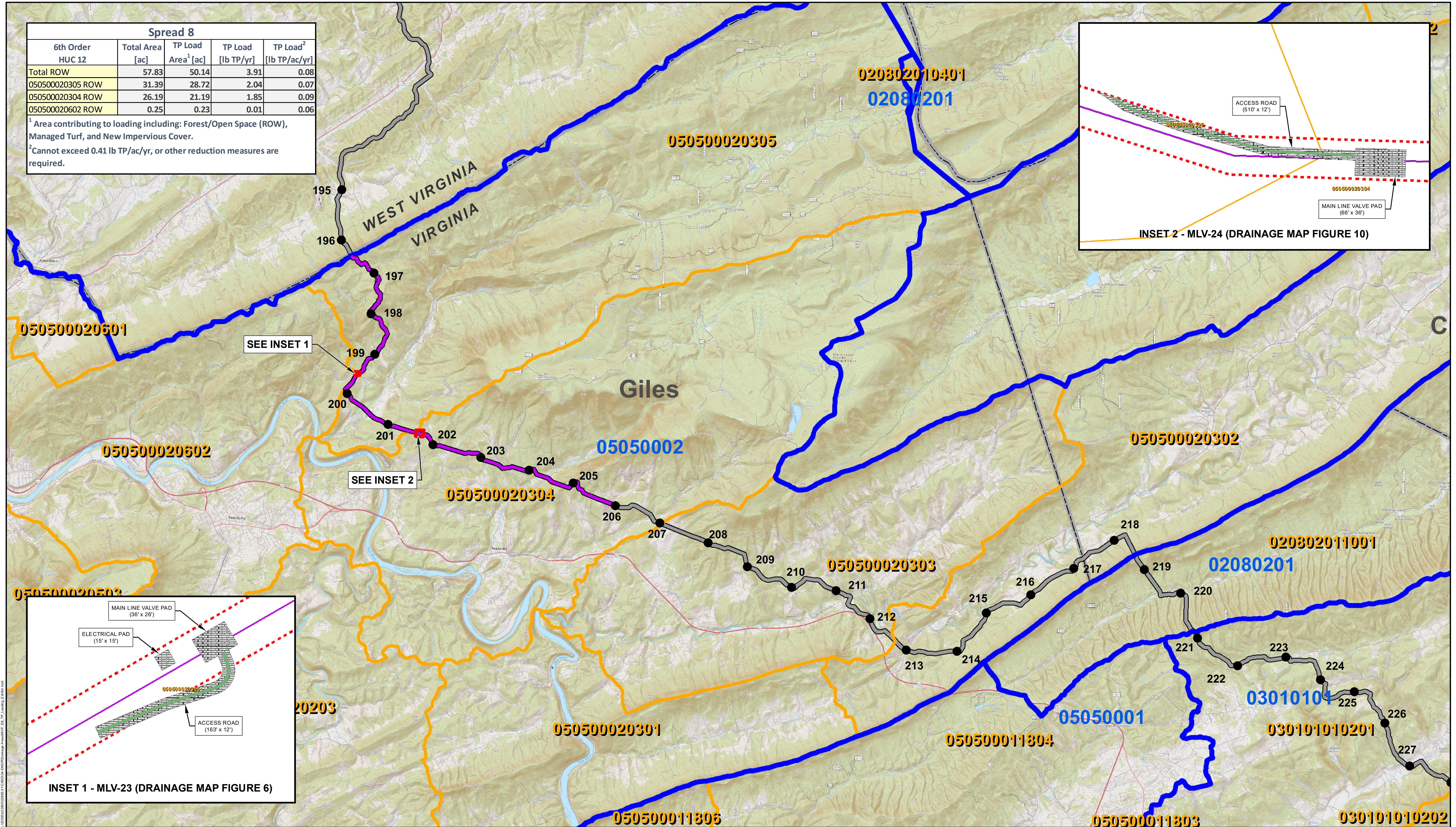
By virtue of this seal and signature, all supporting documents included in this package are accurate and support the design presented herein.





| Spread 8         |                 |                                |                    |                                    |
|------------------|-----------------|--------------------------------|--------------------|------------------------------------|
| 6th Order HUC 12 | Total Area [ac] | TP Load Area <sup>1</sup> [ac] | TP Load [lb TP/yr] | TP Load <sup>2</sup> [lb TP/ac/yr] |
| Total ROW        | 57.83           | 50.14                          | 3.91               | 0.08                               |
| 050500020305 ROW | 31.39           | 28.72                          | 2.04               | 0.07                               |
| 050500020304 ROW | 26.19           | 21.19                          | 1.85               | 0.09                               |
| 050500020602 ROW | 0.25            | 0.23                           | 0.01               | 0.06                               |

<sup>1</sup> Area contributing to loading including: Forest/Open Space (ROW), Managed Turf, and New Impervious Cover.  
<sup>2</sup> Cannot exceed 0.41 lb TP/ac/yr, or other reduction measures are required.



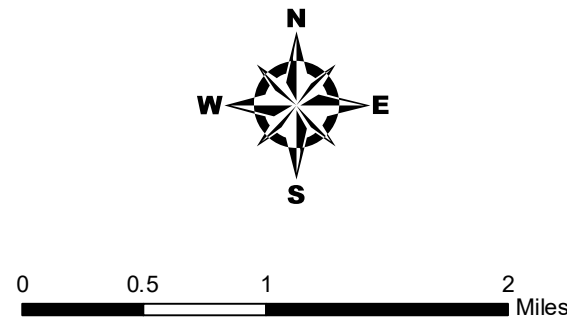
- Legend**

**Overall Map**

  - Spread 8
  - HUC-12 Boundary
  - HUC-8 Boundary
  - Mile Marker
  - Inset Views
- Insets**

  - New Impervious Area
  - Meadow Seed Mix
  - Spread 8
  - Permanent Right-of-Way

Data Sources:  
1. Basemap: ESRI ArcGIS Online.  
2. Hydrologic Unit Code (HUC) boundary data: The United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS), the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA) Watershed Boundary Dataset (WBD).  
3. Pipeline/Right-of-Way: Tetra-Tech, Jan 18, 2018.  
4. Access roads and Main-Line Valve Pads: Tetra-Tech, Feb. 3, 2018.



**Mountain Valley Pipeline Project**  
**Spread 8 Phosphorus Loading by**  
**6th Order HUC Watershed**  
Giles County, Virginia

March 21, 2018



prepared for:  
**Mountain Valley**  
PIPELINE

prepared by:  
**Wetland Studies and Solutions, Inc.**  
a DAVEY company