

Design and Construction Check

608. SURFACE DRAINAGE, MAIN or LATERAL

The following items must be addressed in the design folder for surface drainage, main or lateral.

Survey Record

1. Profile along centerline of main and/or lateral.
2. Cross sections as needed.
3. Location sketch of job.
4. Presence of wetlands.

Design Record

1. Drainage area.
2. Drainage coefficient.
3. Plans and specifications, including;
 - Typical cross sections of the drains.
 - Grade of drains.
 - Spacing of drains.
 - Location of drains.
 - Detail of structures.
 - Vegetative requirements, if

applicable.

- Outlet protection if needed.
 - Spoil area(s), if needed.
4. Quantity computations when needed.
 5. Document compliance with Pennsylvania One Call.
 6. E&S Control Plan.
 7. O&M Plan.
 8. Identify permit needs, where applicable.

Construction Record

1. Cross sections at critical points of drain (at least one per design reach).
2. Grade of completed main and/or lateral(s).
3. Disposal of spoil and debris.
4. Establishment of vegetation when required by specification.