

## DRY HYDRANT

### Design and Construction Checklist

The following items must be addressed in the design folder for dry hydrant:

#### Survey Record

1. Elevation difference between bottom of stream or pond and ground surface at fire truck access.
2. Cross section along hydrant centerline.
3. Sketch of hydrant, truck access, water source (pond or stream), and benchmark(s).

#### Design Record

1. Documented compliance with Pennsylvania One-Call.
2. Plan view of hydrant, truck access, water source (pond or stream), and benchmark(s).
3. Profile along hydrant centerline.
4. Soils investigation for excavation.
5. Verify water availability and lift requirements.
6. Pipe size and fittings to meet fire equipment needs.
7. Minimum 12-foot wide, all-weather access.

8. Quantity computations and cost estimate, when needed.
9. E&S Control Plan.
10. Identify spoil and/or borrow area(s), if appropriate.
11. Vegetation Plan.
12. O&M Plan.
13. Identify permit needs, where applicable.
14. Complete Section 6 of PA432 Specification

#### Construction Record

1. Extent of completed work (as-built drawings and quantities).
2. Dimensions of pipelines, water level control structures, and other appurtenances (e.g., fittings, strainer or screen, end cap).
3. Minimum cover and grade lines for pipelines.
4. Establishment of vegetation when required by specification.
5. PA One-Call markings