

PROPOSED PIPE/UTILITY CROSSING IN A TRENCH

APPLICANT: _____

WATERWAY: _____

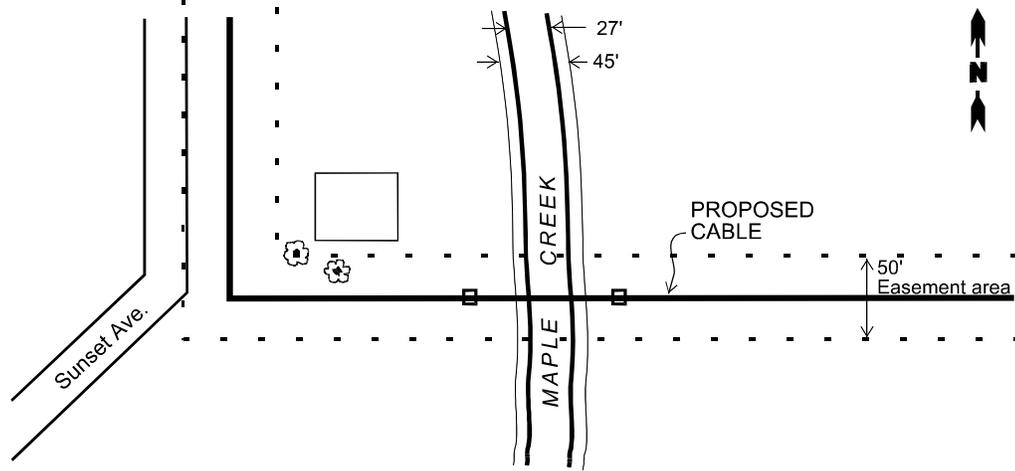
CITY/TOWNSHIP: _____

COUNTY: _____

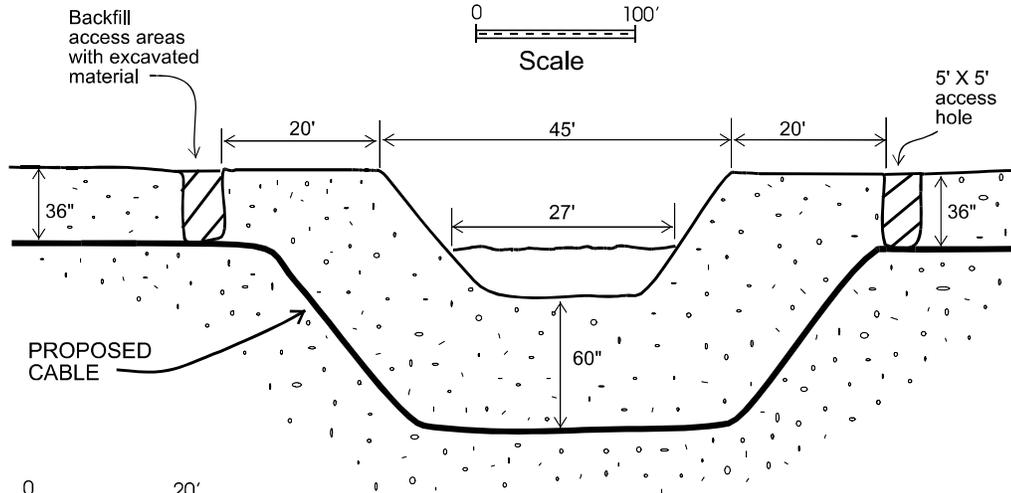
NUMBER OF SHEETS: ____ OF ____

DATE: _____

- Complete **Section 18** and **Sections 10A, 10B, 10C, 12, and 13** if applicable to your project.
- Provide **plan view** and **cross-section** site-specific drawings adequate for detailed review, include:
- Overall site plan showing existing lakes, streams, wetlands, *floodplains*, and other water features.
 - Name of waterbodies, property boundaries, easement boundaries, neighboring property owner information, *soil erosion and sedimentation control measures* and datum used (NGVD 29 or local).
 - Location and dimensions (ft) of proposed excavation in both *plan* and *cross-section* views. Calculate excavation volume (cu yd) by multiplying average (depth) x (width) x (length) in feet and dividing by 27.
 - Location of disposal area in upland above the 100-year *floodplain*. If spoils will be disposed of off-site attach a detailed location. If temporary sidelaying, show location and dimensions.
 - Proposed backfill material and source.
 - Proposed installation method (i.e., *flume*, plow, open trench).
 - Pipe diameter, length, and distance below streambed for each crossing.
 - Purpose of crossing (i.e. sanitary sewer, storm sewer, watermain, cable, oil/gas pipeline, etc.)



PLAN VIEW



TYPICAL CROSS SECTION



PROPOSED DIRECTIONAL BORE
STREAM CROSSING

APPLICANT:
 WATERWAY:
 CITY/TOWNSHIP: SECTION: ____
 COUNTY:
 NUMBER OF SHEETS: ____ OF ____
 DATE:

Complete **Section 18** and **Sections 10A, 10B, 10C, 12, and 13** if applicable to your project.

Provide **plan view** and **cross-section** site-specific drawings adequate for detailed review, include:

- Overall site plan showing existing lakes, streams, wetlands, *floodplains*, and other water features.
- Name of waterbodies, property boundaries, easement boundaries, neighboring property owner information, and *soil erosion and sedimentation control measures*.
- Excavation dimensions (ft) for drilling or boring inlet and outlet points in both *plan* and *cross-section* views. Calculate excavation volume (cu yd) by multiplying average (depth) x (width) x (length) in feet and dividing by 27.
- Proposed construction method (i.e., jack and bore or directional drill).
- Pipe diameter, length, and distance below streambed for each crossing.
- Purpose of crossing (i.e. sanitary sewer, storm sewer, watermain, cable, oil/gas pipeline, etc.)