

Addendum

Intersection and Streetscape Improvements,
Route 202 at Route 25

LOTICIP Project #L018-0001

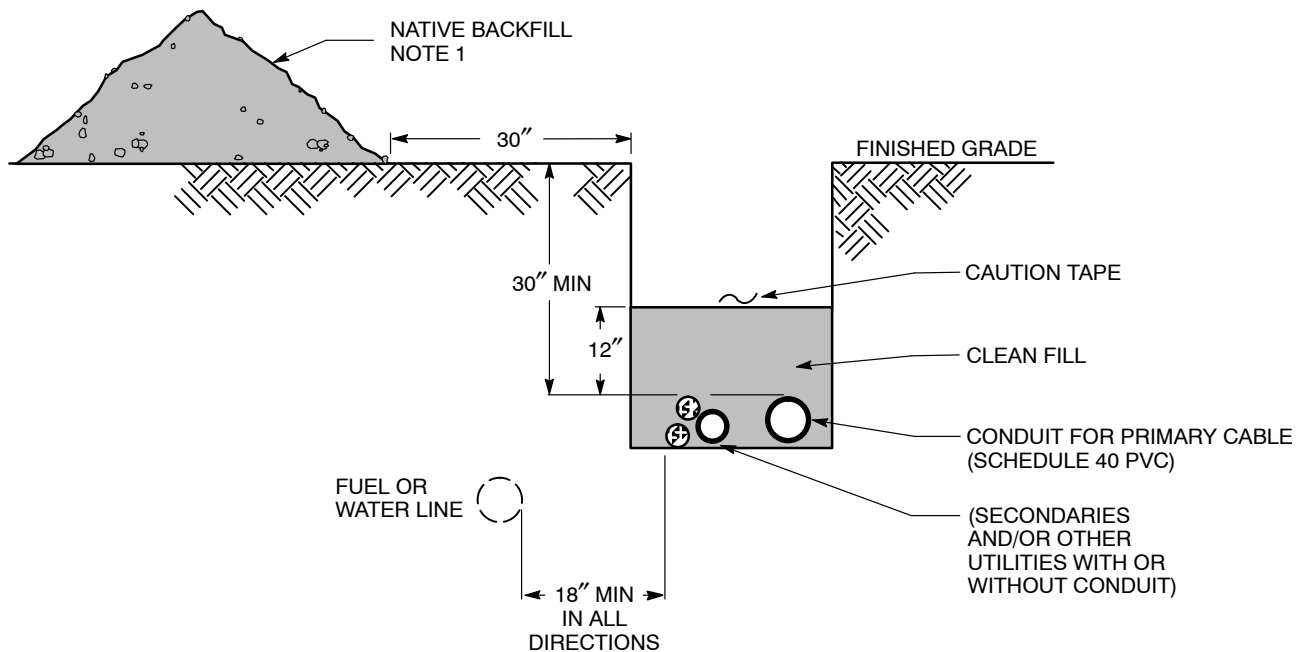
Federal Road (Route 202), Whisconier Road (Route 25)
and Station Road

Town of Brookfield, Connecticut

SCOPE – All direct-buried primary cables shall be of the jacketed type. The cables may be random-laid with the secondaries and other utilities under certain conditions, detailed in **DTR 44.101**.

INSTALLATION IN TRENCH – All direct-buried cables shall be installed at a depth of at least 30 inches in the following order:

1. Ensure that the bottom of the trench is well-tamped and free of rocks.
2. Install the conduit, gluing all couplings.
3. Install secondaries and other utility cables or conduits in the trench.
4. Backfill with twelve inches clean fill not to contain stones larger than two inches in maximum diameter.
5. Install cable warning tape twelve inches over the conduit.
6. Fill in the remainder of the trench with native backfill.
7. Install pull line, including ten feet of slack, and secure to conduit plug at each end of conduit run.



CROSS SECTION OF JOINT TRENCH

Notes

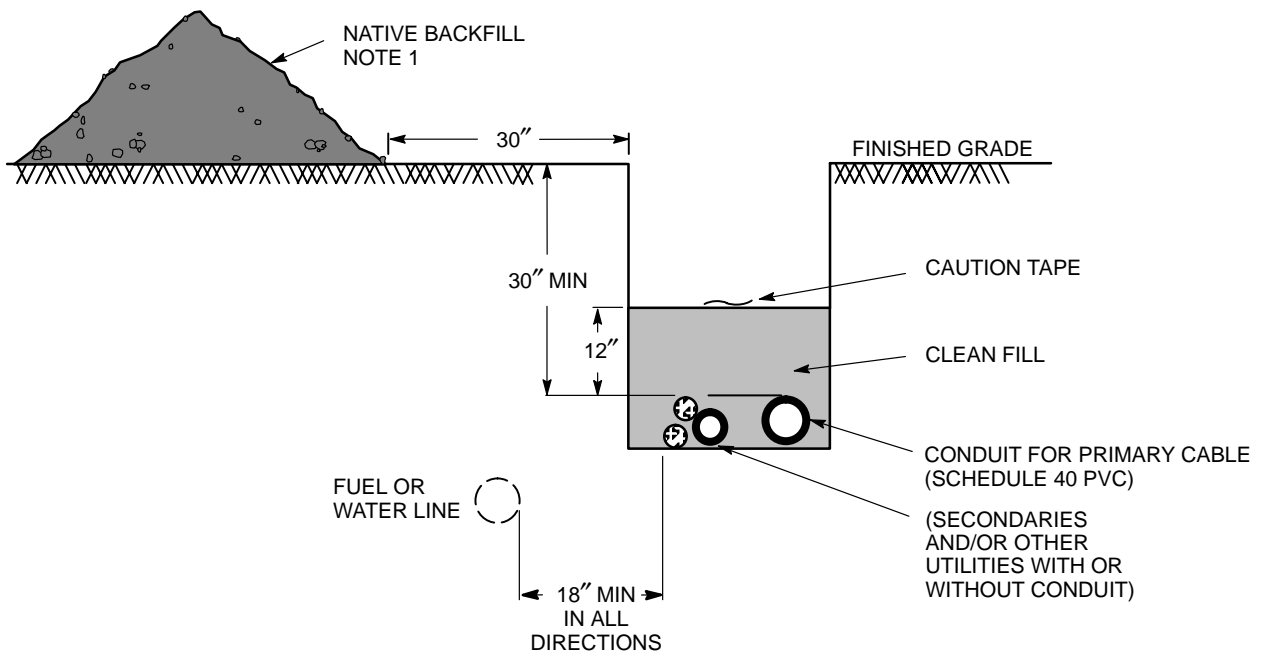
1. The trench shall be backfilled immediately following placement of the conduit.
2. One quarter inch diameter nylon pull line and plastic conduit plugs to be supplied and installed by contractor.
- 3. The internal surface of the conduit shall be free of sharp edges or burrs, which could damage the cable.

ORIGINAL	SINGLE-PHASE PRIMARY CABLE INSTALLATION DIRECT-BURIED – IN CONDUIT				CT/MA
6/24/98					
APPROVED					
10/11/12					
Cwp	NORTHEAST UTILITIES	CONSTRUCTION STANDARD	DTR 50.103	6	

SCOPE – All direct-buried primary cables shall be of the jacketed type. The cables may be random-laid with the secondaries and other utilities under certain conditions, detailed in **DTR 44.101**.

INSTALLATION IN TRENCH – All direct-buried cables shall be installed at a depth of at least 30 inches in the following order:


1. Ensure that the bottom of the trench is well-tamped and free of rocks.
2. Install the conduit, gluing all couplings.
3. Install secondaries and other utility cables or conduits in the trench.
4. Backfill with 12 inches clean fill not to contain stones larger than 2 inches in maximum diameter.
5. Install cable warning tape 12 inches over the conduit.
6. Fill in the remainder of the trench with native backfill.
7. Install pull line, including 10 feet of slack, and secure to conduit plug at each end of conduit run.



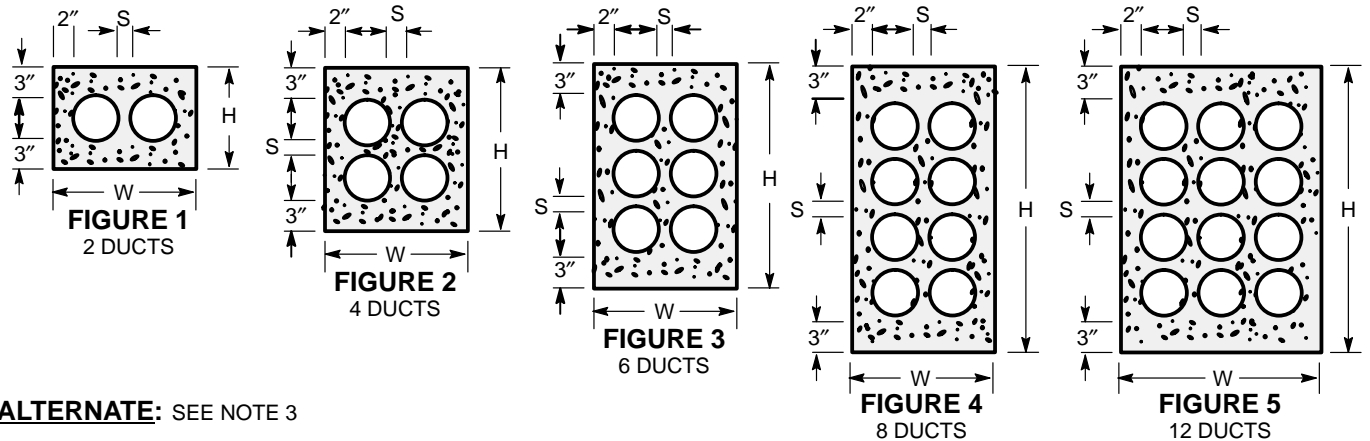
CROSS SECTION OF JOINT TRENCH

Notes

1. The trench shall be backfilled immediately following placement of the conduit.
2. 1/4-inch-diameter nylon pull line and plastic conduit plugs to be supplied and installed by contractor.

ORIGINAL	THREE-PHASE PRIMARY CABLE INSTALLATION DIRECT-BURIED – IN CONDUIT				CT/MA
6/24/98					
APPROVED					
12/18/00					
	NORTHEAST UTILITIES	CONSTRUCTION STANDARD	DTR 51.102	3	

PREFERRED:



ALTERNATE: SEE NOTE 3

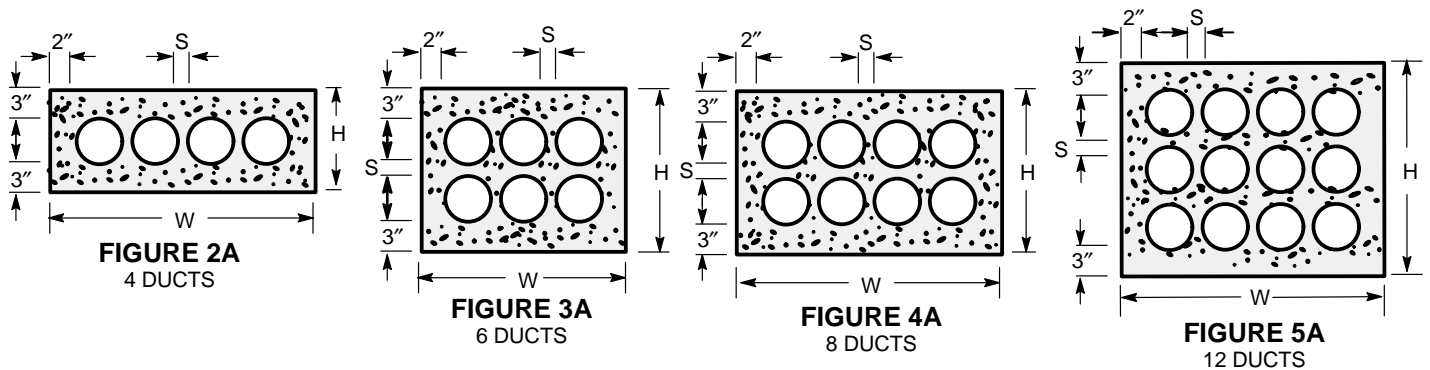


Fig	Dimensions In Inches								
	4" Duct			5" Duct			6" Duct		
	W	H	S	W	H	S	W	H	S
1	14-1/2	10-1/2	1-1/2	16-1/2	11-1/2	1-1/2	19	12-1/2	2
2	14-1/2	16-1/2	1-1/2	16-1/2	18-1/2	1-1/2	19	21	2
2A	26-1/2	10-1/2	1-1/2	30-1/2	11-1/2	1-1/2	36	12-1/2	2
3	14-1/2	22-1/2	1-1/2	16-1/2	25-1/2	1-1/2	19	29-1/2	2
3A	20-1/2	16-1/2	1-1/2	23-1/2	18-1/2	1-1/2	27-1/2	21	2
4	14-1/2	28-1/2	1-1/2	16-1/2	32-1/2	1-1/2	19	38	2
4A	26-1/2	16-1/2	1-1/2	30-1/2	18-1/2	1-1/2	36	21	2
5	20-1/2	28-1/2	1-1/2	23-1/2	32-1/2	1-1/2	27-1/2	38	2
5A	26-1/2	22-1/2	1-1/2	30-1/2	25-1/2	1-1/2	36	29-1/2	2

Notes

- At manholes conduit banks shall be per Figures 1, 2, 3, 4, or 5.
- Minimum cover from top of a conduit bank to the pavement or earth surface shall be:
 - State highways – 36 inches
 - Railroad tracks – 60 inches
 - All other areas – 24 inches
- In the conduit run between manholes if obstructions are encountered or to reduce trench depth, Figures 2A, 3A, 4A, or 5A are permissible.
- Concrete shall be 2500 psi, 1/2 inch maximum stone, 6–9 inches slump of such consistency that spading will ensure the flow of concrete between and under the individual ducts, but not so wet as to float the ducts. For tier buildup construction a stiffer consistency should be used.

ORIGINAL	<div style="text-align: center;"> CONDUIT BANK CONSTRUCTION </div>			
5/29/75				
APPROVED				
11/2/99				
	NORTHEAST UTILITIES	DESIGN & APPLICATION STANDARD	DTR 73.209	5

