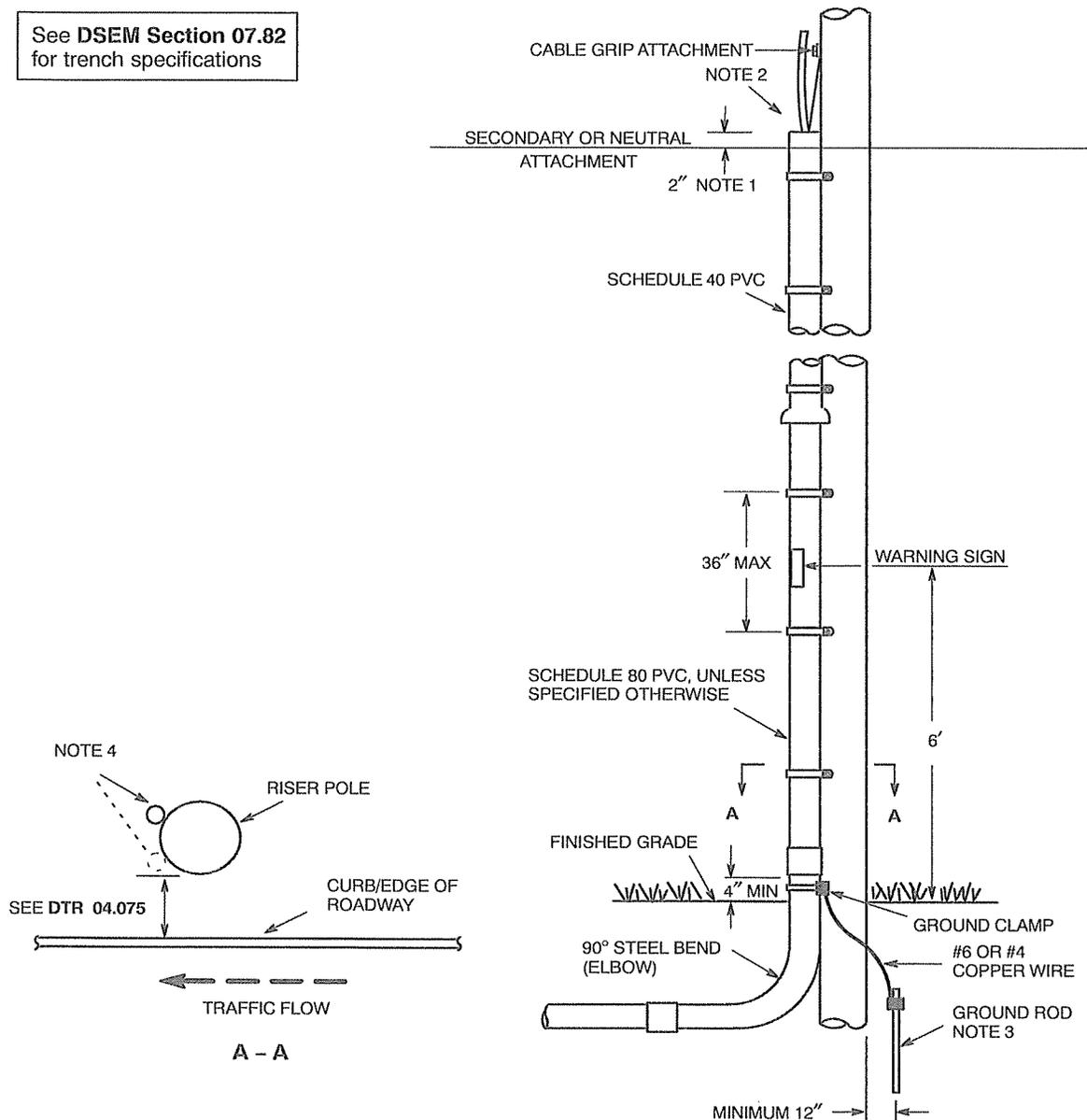


WATER CROSSING LOCATION



						DRAWN DRM	Public Service of New Hampshire		System Projects		
						DESIGNED DRM	63W1 CIRCUIT – POLE ROUTE 820 240 V SERVICE				
						CHECKED	BOW LAKE WATER CROSSING LOCATION PLAN				
						APPROVED	SCALE 1"=2000'±	DATE 09/09/11	SHEET 1 of 1	DRAWING NO. EXHIBIT 1	
NO.	REVISION	DATE	DRWN	CHKD	APPR						

See DSEM Section 07.82 for trench specifications

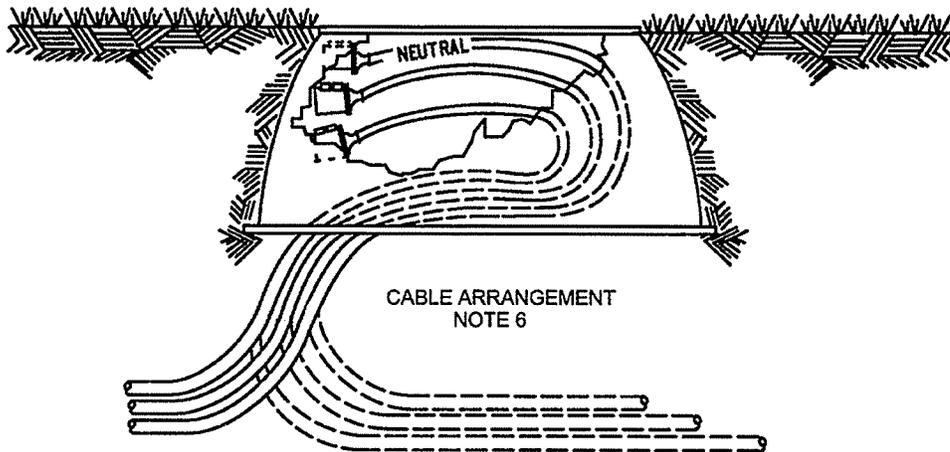


Notes

1. Top of conduit to extend at least 2 inches above the neutral/secondary attachment.
2. Seal conduit from water entry at top of riser for services installed in conduit for the entire run. See DTR 12.010.
3. Steel conduit shall be grounded. If the steel elbow is installed in a nonmetallic conduit installation, it shall also be grounded. Use 5/8" x 8' galvanized steel ground rod and ground clamp.
4. Preferred location for riser placement is on field side of pole opposite the direction of traffic. Check riser path for obstructions, and coordinate with other utilities for placement of risers and any equipment. (Road side of pole opposite the direction of traffic is reserved for road crossings.)
5. Contact the toll-free telephone number to locate buried cables before driving ground rods.

ORIGINAL	SECONDARY AND SERVICE RISERS – 600 VOLT CABLE			
11/23/76				
APPROVED				
6/2/05	NORTHEAST UTILITIES	CONSTRUCTION STANDARD	DTR 12.057	7

				DRAWN DMS	Public Service of New Hampshire		System Projects		
				DESIGNED DMS	63W1 CIRCUIT – POLE ROUTE 820 240 V SERVICE BOW LAKE WATER CROSSING RISER POLE DETAIL				
				CHECKED					
				APPROVED					
NO.	REVISION	DATE	DRWN	CHKD	APPR	SCALE NTS	DATE 09/15/11	SHEET 1 of 1	DRAWING NO. EXHIBIT 3



Notes

1. Handhole to be installed over primary and/or secondary cables with cover flush with final grade if possible.
2. All cables should enter handhole at one end.
3. Neutral connector is to be on top.
4. Both phase and neutral connectors must be waterproof.
5. Connect streetlight cable to any available port.
6. Fold cables and buses into handhole after making connections.
7. Extensions and replacement covers are not interchangeable between manufacturers.
8. Replacement covers and extensions for handholes may not be available depending on age, manufacturer etc. Complete changeout of the handhole may, therefore, be required.

ORIGINAL	SERVICE HANDHOLE - LAWN AREAS - DIRECT-BURIED SYSTEM			
9/28/87				
APPROVED	NORTHEAST UTILITIES CONSTRUCTION STANDARD DTR 54.205 2			
11/2/99				
<i>RB</i>				

						DRAWN DMS	Public Service of New Hampshire	System Projects
						DESIGNED DMS	63W1 CIRCUIT - POLE ROUTE 820 240 V SERVICE BOW LAKE WATER CROSSING HANDHOLE DETAIL	
						CHECKED		
						APPROVED		
NO.	REVISION	DATE	DRWN	CHK	APPR	SCALE NTS	DATE 09/15/11	SHEET 4 OF 4
							DRAWING NO. EXHIBIT 4	