

**Welch Island Cable Replacement**  
 Gilford, NH  
 Feeder 11W1  
 4.16kV

Replacement submarine cable from Belknap Point Road to Welch Island Riser:

- Install approximately 5440' (this length does not account for contours of the lake bed) of (2) sets of 15kV 1/0 Submarine conductor from Belknap Point to Welch Island.
- Approximately 300 feet of directional core boring required from riser on Belknap Point into the lake.
- Using barge, lay approximately 5,000+ feet of (2) sets of conductor on top of lake bed.
- Approximately 150 feet of trenching required from riser on Welch out into the lake.

**Legend**

■ Existing	□ Abandon	ⓧ Location Number
■ Replace	△ Eversource Pole	▲ Joint owned pole
□ Install	Ⓜ Fused Cutout	◁ Riser
□ Remove	Ⓜ Solid Blade Cutout	
— Overhead primary conductor – 3 phase		
— Overhead primary conductor – 1 phase		
- - - Underground primary conductor		
← Existing Eversource Anchor		
← Replaced or installed Eversource Anchor		
● Single Phase Transformer		

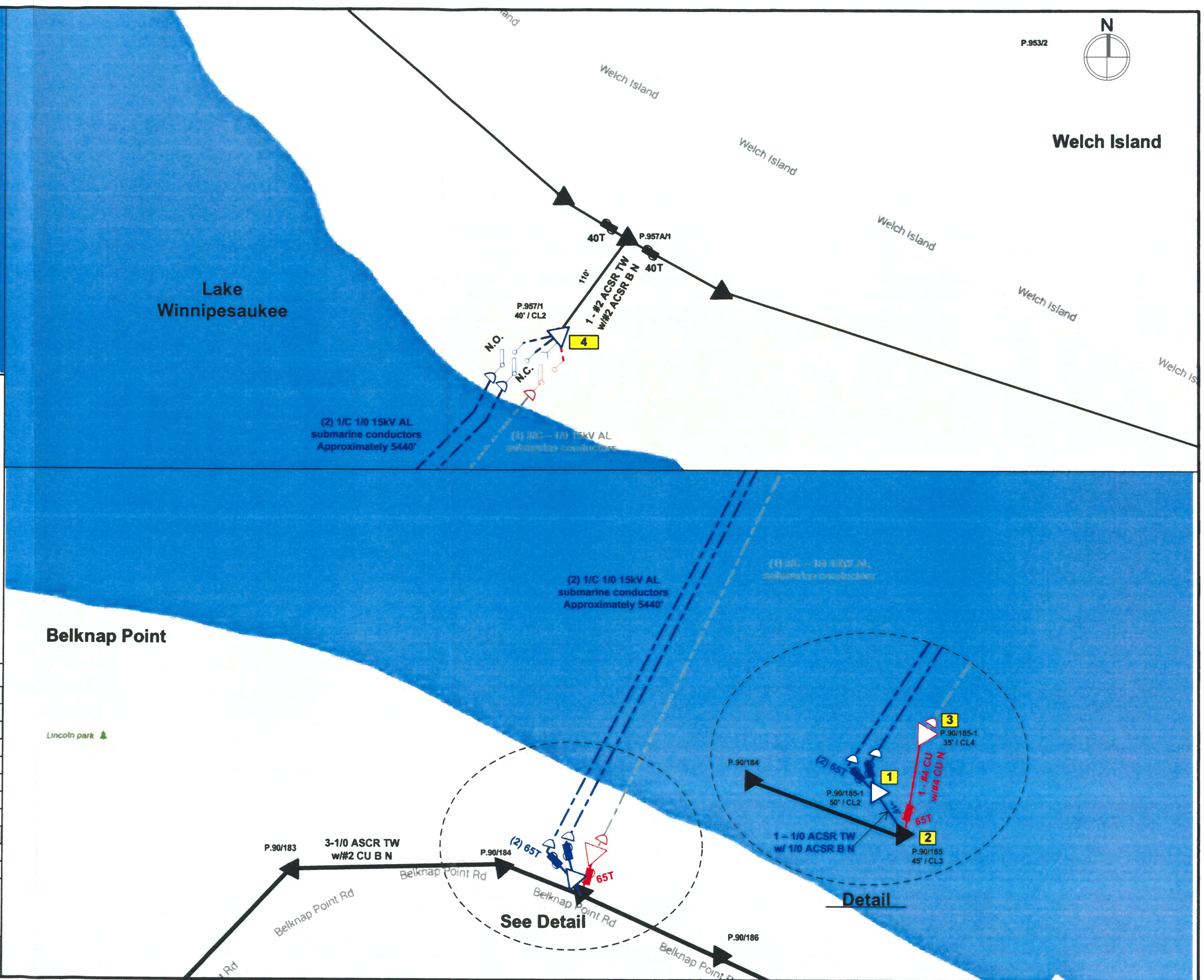
*Existing conductor sizes are pulled from GIS*

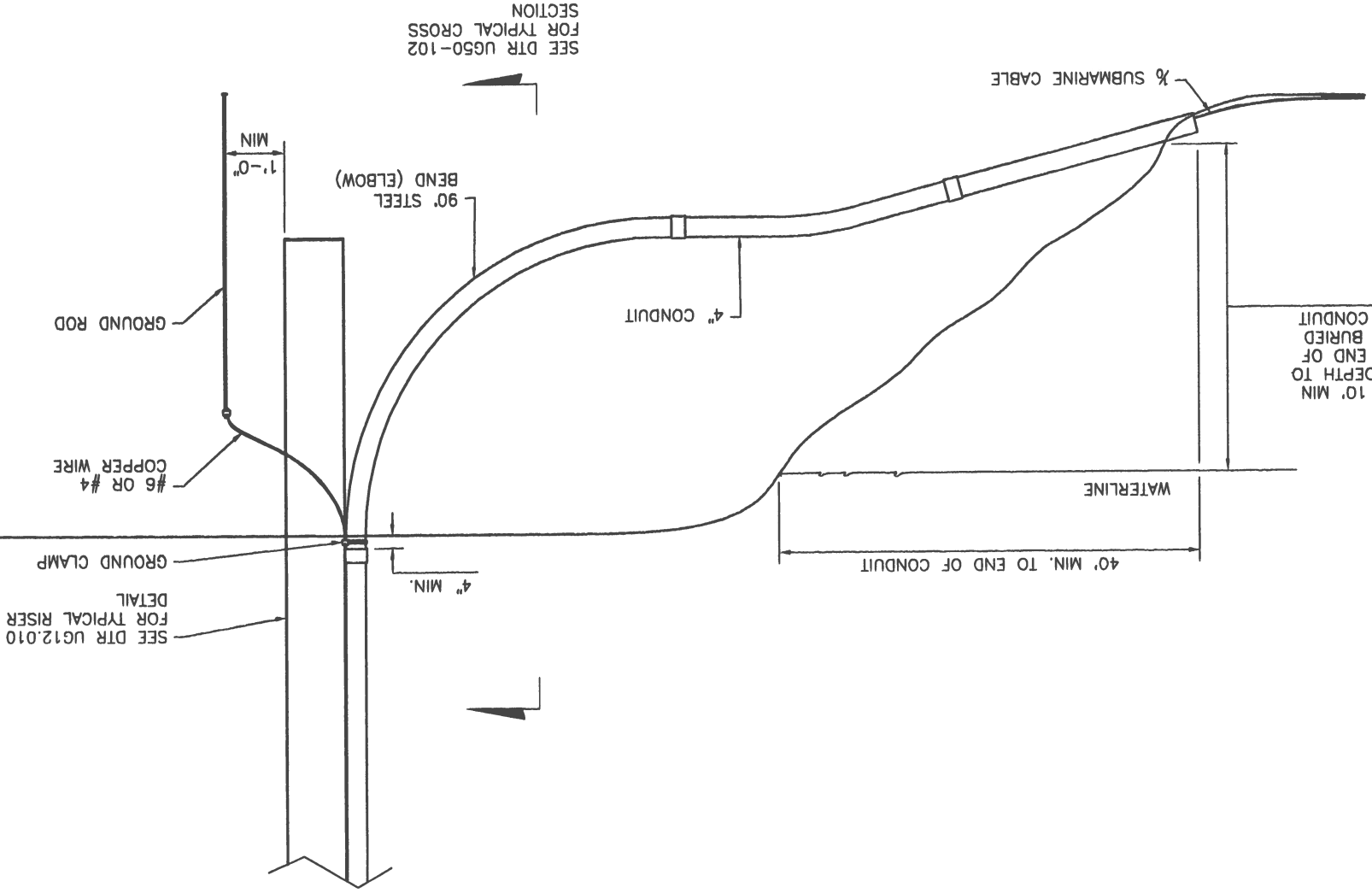
EWR 15-091-41  
 Work Request 2637058

**EVERSOURCE**

Dan Combes  
 508-935-1667

**leidos**





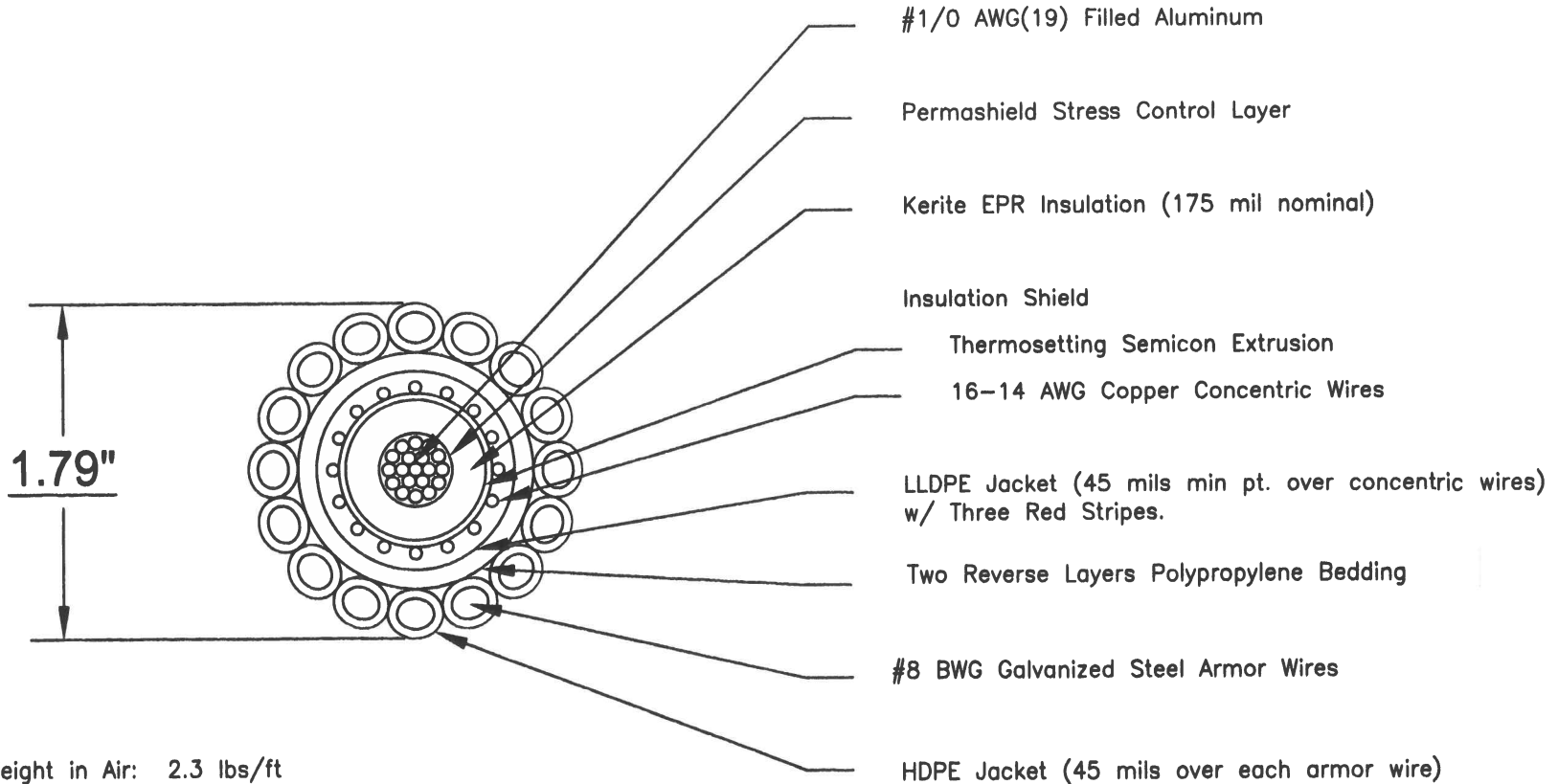
LAST REVISION DETAIL

TYP. OVERHEAD TO  
SUBMARINE CABLE TRANS. FOR  
STRS. 951/47-1 & 953/1

DRN. LJC	CHKD.	APPR.
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2/14/18

# KERITE CATALOG NO. 111F15 - J1208



Approx. Weight in Air: 2.3 lbs/ft

Approx. Weight in Fresh Water: 1.2 lbs/ft

Note: All dimensional data subject to manufacturing tolerances.



#1/0 AWG(19) FILLED AL 15KV SPS 100%, 175 MILS KERITE(EP), THERMOSET EXTRUDED SEMICON, 16-#14 AWG CU CONC WIRES, 50 MIL BLACK LLDPE JKT, W/ THREE RED STRIPES, FULL LAYER #8 BWG GALVANIZED STEEL ARMOR WIRES, EACH INDIVIDUALLY JACKETED WITH 45 MILS BLACK HDPE.

Drawing:	111F15-J1208	
Drawn By:	<i>MBD</i>	Scale: NONE
Appr:		Date: 2/18/16