



EXHIBIT 1



Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

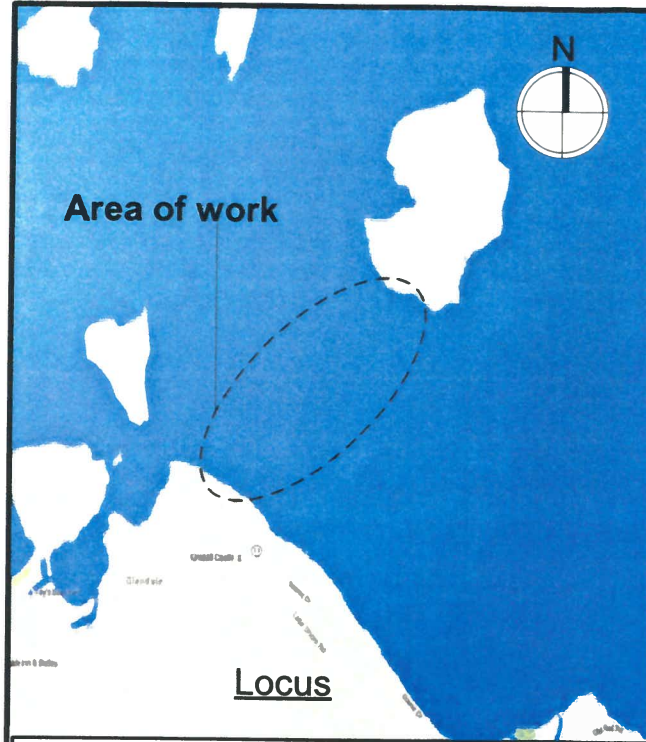
48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

LAKE WINNIPESAUKEE CROSSING

USGS LOCUS MAP FEEDER 11W1 LINE

PREPARED FOR
EVERSOURCE ENERGY

FILE	95812-00	SCALE: 1"=2,000'				10/23/17	
		DR	JB	CK	NG	CADFILE	95812-00 PUC.DWG



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

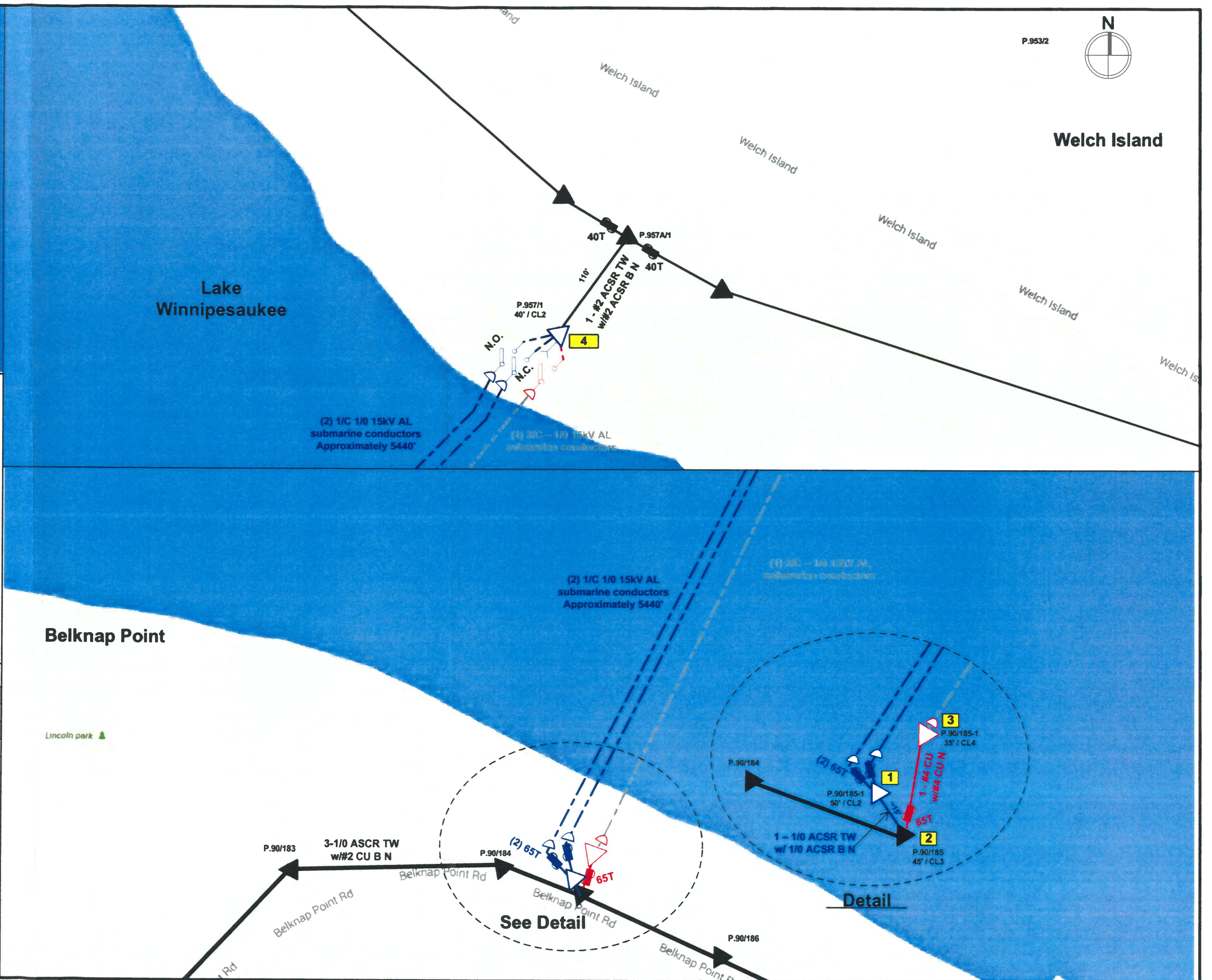
Existing conductor sizes are pulled from GIS

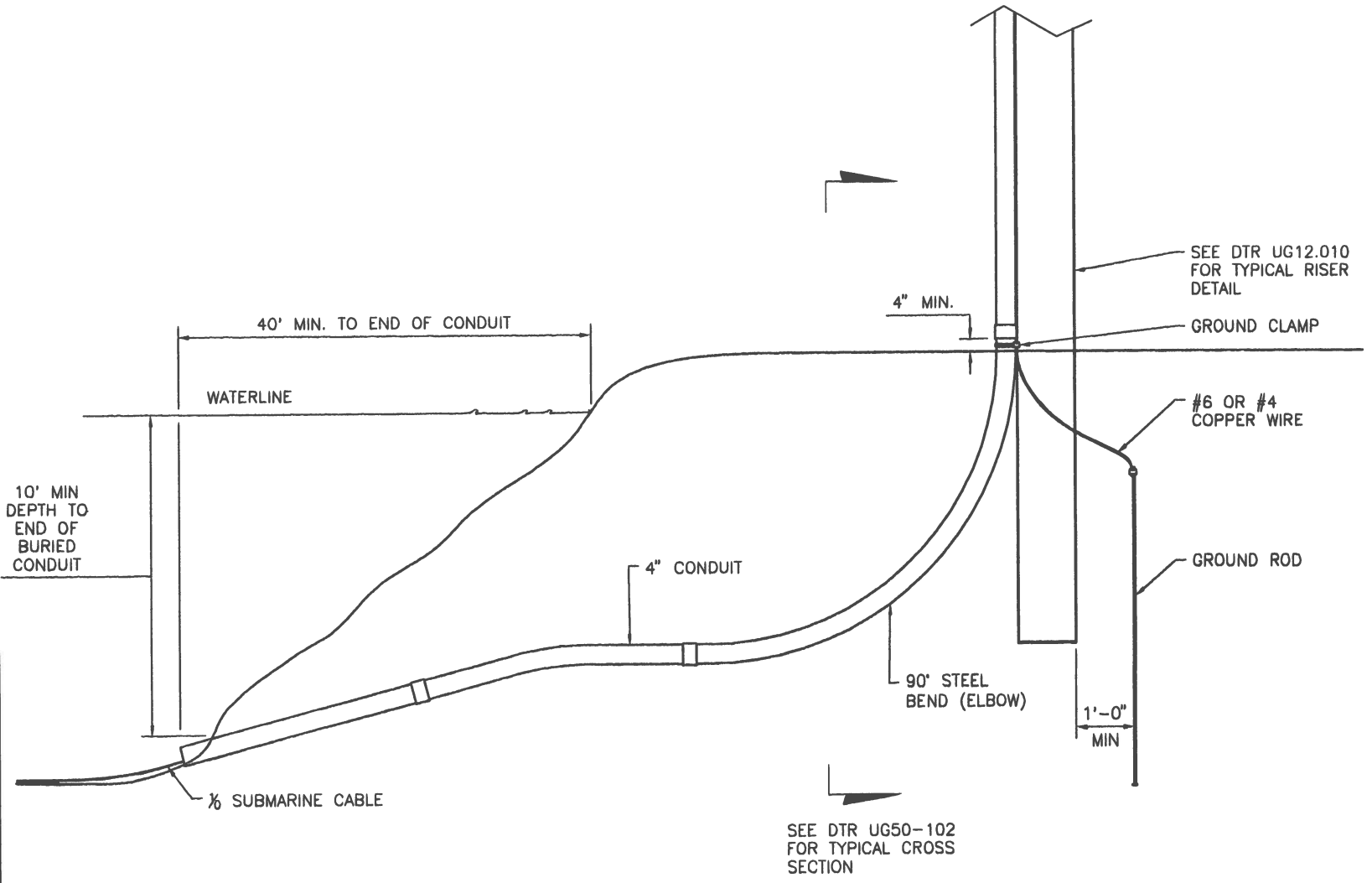
EWR 15-091-41
Work Request 2637058

EVERSOURCE

Dan Combes
508-935-1667

leidos

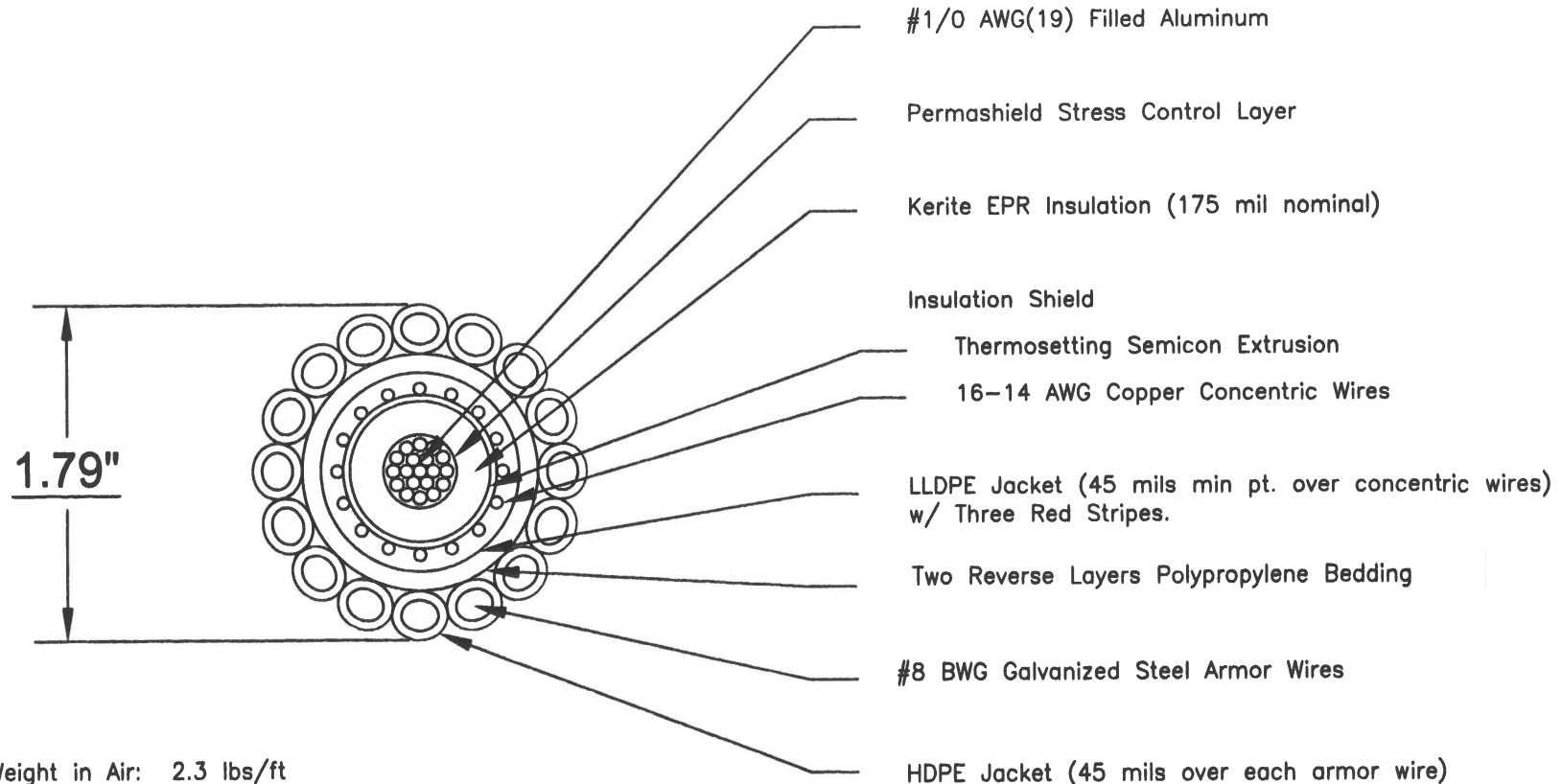




LAST REVISION DETAIL

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

Kerite

#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: *MBD*

Scale: NONE

Appr:

Date: 2/18/16