PART 1 - GENERAL

1.1 SECTION INCLUDES

.1 Materials and installation for aboveground oil storage tank level detection system.

1.2 RELATED REQUIREMENTS

.1 Section 23 05 00 - Common Work Results for HVAC.

.2 Section 23 11 13 - Facility Fuel-Oil Piping.

.3 Section 26 05 00 - Common Work Results - Electrical.

1.3 REFERENCE STANDARDS

.1 American National Standards Institute (ANSI).
- .1 API Std 650, Welded Steel Tanks for Oil Storage, 12th Edition.

.2 Canadian Council of Ministers of the Environment (CCME).
- .1 CCME-PN1326-2004, Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products.

.3 Department of Justice Canada (Jus).
- .1 Canadian Environmental Protection Act, 1999 (CEPA).

.4 Canadian Standards Association (CSA)/CSA International.
- .1 CAN/CSA B139-SERIES 19, Installation Code for Oil Burning Equipment.

.5 National Research Council Canada
- .1 National Fire Code of Canada 2015.

.6 Underwriters' Laboratories of Canada (ULC).
- .1 ULC 2258 (2018), Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids.
- .2 ULC ORD-C142.16, Protected Aboveground Tank Assemblies for Flammable and Combustible Liquids.

1.4 ACTION AND INFORMATIONAL SUBMITTALS

.1 Submit shop drawings for tank and accessories.
.1 Details of construction, appurtenances, installation, leakage detection system, fire rating and level monitoring.
.2 Tank capacity.
.3 Size and location of fittings.
.4 Environmental compliance package accessories.
.5 Accessories: provide details and manufacturers product data.
.6 Finishes.
.7 Piping, valves and fittings: type, materials, sizes, piping connection details, valve shut-off type and location.
.8 Level gauging: type and locations.
.9 Ancillary devices: provide details and manufacturer's product data.
.10 Corrosion protection: provide details of design, type, materials and locations.

.2 Provide maintenance data for tank appurtenances for incorporation into manual.

PART 2 - PRODUCTS

2.1 TANKS: FIBERGLASS DOUBLE WALL

.1 General description:
.1 Aboveground double wall fiberglass storage tank. Outer tank shall have 110 percent storage capacity of inner tank.

.2 Complete unit: ULC approved and labelled.

.3 Construction:
.1 Dual-layer resin composite with anti-mildew, UV-resistant exterior gel coat. Seals to be oil and fire resistant.
.2 Capacity: 909 L (200 Imp. Gal.)
.3 Unit supports: integral fibreglass supports as part of the unit.

.4 Standard fittings:
.1 4 - 50mm pipe connections on top of tank.
.2 Fuel oil gauge.
.3 Leak indicator.

.5 Acceptable material:
.1 Granby Industries.

2.2 PIPING, VALVES AND FITTINGS

.1 In accordance with Section 23 11 13 - Facility Fuel Oil Piping.

PART 3 - EXECUTION

3.1 INSTALLATION

.1 Install tank in accordance with CAN/CSA B139, National Fire Code of Canada, manufacturer's recommendations and CCME PN 1326.

.2 Tank to be anchored to concrete pad.

.3 Install tank using licensed installer.

.4 Provide certification of installation to Parks Canada Representative.

END