TECHNICAL SPECIFICATION & CONTRACT REQUIREMENTS

Procurement, Testing, and Quality Certification of Hose Assemblies

REQ DOC NO.	N390406156V628 through N390406156V636__
CONTRACT NO.	_____
SYSTEM / ITEM	Hose Assemblies (All Items)
CATEGORY / ATTACHMENT	Attachment Continuation Sheet

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C.1. Schedule of Supplies & Services

The contractor shall supply the following hose assemblies in accordance with the quantities, dimensions, and specifications detailed in this document:

ITEM #	SUPPLIES / SERVICES	QTY	U/I
001	1 IN x 10 FT LONG; HOSE ASSEMBLY	2	EA
002	1 IN x 10 FT LONG; HOSE ASSEMBLY	4	EA
003	1 IN x 100 FT LONG; HOSE ASSEMBLY	2	EA
004	1 IN x 34 FT LONG; HOSE ASSEMBLY	3	EA
005	1 IN x 85 FT LONG; HOSE ASSEMBLY	2	EA
006	1 IN x 30 FT LONG; HOSE ASSEMBLY	2	EA
007	1 IN x 20 FT LONG; HOSE ASSEMBLY	2	EA
008	1.5 IN x 3 FT LONG; HOSE ASSEMBLY	2	EA
009	1 IN x 34 FT LONG; HOSE ASSEMBLY	3	EA

C.2. Description & Technical Specifications

C.2.1. Technical Specification Summary Matrix

The following matrix provides a consolidated technical overview of the hose assemblies. Detailed descriptions and individual item requirements follow in Section 2.2.

Item	Size/Len	End 1 Fitting	End 2 Fitting	WP (PSI)	MBR	Hose Model
001	1" x 10'	1" CRES Camlock (Dixon 150-C-SS)	1.5" CRES Camlock (PT 15X10C-S / Dixon 1510-C-SS)	250	1.5"	ExtremeFlex Plicord
002	1" x 10'	1" CRES Camlock (Dixon 100-C-SS)	1" CRES Camlock (Dixon 100-C-SS)	250	1.0"	ExtremeFlex Plicord
003	1" x 100'	1.5" CRES Camlock (PT 15X10C-S / Dixon 1510-C-SS)	1" MNPT x Hansen 1" QD H8F8-SS	250	1.0"	ExtremeFlex Plicord
004	1" x 34'	1" CRES Camlock (Dixon 100-C-SS)	1" CRES Camlock (Dixon 100-C-SS)	250	1.0"	ExtremeFlex Plicord
005	1" x 85'	1" CRES Camlock (Dixon 100-C-SS)	1" CRES Camlock (Dixon 100-C-SS)	150	1.0"	ExtremeFlex Plicord (Reinf.)
006	1" x 30'	1" CRES Camlock (Dixon 100-C-SS)	1" CRES Camlock (Dixon 100-C-SS)	250	1.0"	ExtremeFlex Plicord
007	1" x 20'	1" CRES Camlock (Dixon 100-C-SS)	1" CRES Camlock (Dixon 100-C-SS)	250	1.0"	ExtremeFlex Plicord
008	1.5" x 3'	1.5" CRES Camlock (Dixon 150-C-SS)	1.5" CRES Camlock (Dixon 150-C-SS)	250	1.5"	ExtremeFlex Plicord
009	1" x 34'	1.5" CRES Camlock Barbed	1.5" CRES Camlock Barbed	225 / 112*	N/A	Kuritec Polywire K7300

** Note for Item 009: Maximum Working Pressure is 225 PSI @ 70°F and 112 PSI @ 122°F.*

C.2.2. Detailed Item Specifications

C.2.2.1. ITEM 1: 1" Hose Assembly with female 1" CRES Camlock crimped fitting (Dixon 150-C-SS) on one end, 1.5" CRES female Camlock crimped fitting on other end (PT Coupling P/N 15X10C-S or Dixon 1510-C-SS reducing female end fitting) — 10' overall length, 250 PSIG working pressure, 29 in Hg vacuum, 1.5 inch minimum bend radius (Goodyear/Continental ExtremeFlex Plicord).

C.2.2.2. ITEM 2: 1" Hose Assembly with female 1" CRES Camlock crimped fittings (Dixon 100-C-SS) on both ends — 10' overall length, 250 PSIG working pressure, 29 in Hg vacuum, 1 inch minimum bend radius (Goodyear/Continental ExtremeFlex Plicord).

C.2.2.3. ITEM 3: 1" Hose Assembly with female 1.5" CRES Camlock crimped fitting (PT Coupling P/N 15X10C-S or Dixon 1510-C-SS) on one end and crimped CRES 1" MNPT x Hansen 1" QD H8F8-SS on other end — 100' overall length, 250 PSIG working pressure, 29 in Hg vacuum, 1 inch minimum bend radius (Goodyear/Continental ExtremeFlex Plicord).

C.2.2.4. ITEM 4: 1" Hose Assembly with female 1" CRES Camlock crimped fittings (Dixon 100-C-SS) on both ends — 34' overall length, 250 PSIG working pressure, 29 in Hg vacuum, 1 inch minimum bend radius (Goodyear/Continental ExtremeFlex Plicord).

C.2.2.5. ITEM 5: 1" Reinforced Rubber Hose Assembly with female 1" CRES Camlock crimped fittings (Dixon 100-C-SS) — 85' overall length, 150 PSIG working pressure, 29 in Hg vacuum, 1 inch minimum bend radius (Goodyear/Continental ExtremeFlex Plicord).

C.2.2.6. ITEM 6: 1" Hose Assembly with female 1" CRES Camlock crimped fittings (Dixon 100-C-SS) on both ends — 30' overall length, 250 PSIG working pressure, 29 in Hg vacuum, 1 inch minimum bend radius (Goodyear/Continental ExtremeFlex Plicord).

C.2.2.7. ITEM 7: 1" Hose Assembly with female 1" CRES Camlock crimped fittings (Dixon 100-C-SS) — 20' overall length, 250 PSIG working pressure, 29 in Hg vacuum, 1 inch minimum bend radius (Goodyear/Continental ExtremeFlex Plicord).

C.2.2.8. ITEM 8: 1.5" Hose Assembly with female 1.5" CRES Camlock crimped fittings (Dixon 150-C-SS) — 3' overall length, 250 PSIG working pressure, 29 in Hg vacuum, 1.5 inch minimum bend radius (Goodyear/Continental ExtremeFlex Plicord).

C.2.2.9. ITEM 9: 34' Kuriyama Kuritec Polywire Plus K7300 Hose — -16 size (1" nominal ID), Max WP @ 70°F: 225 PSI, @ 122°F: 112 PSI, 29.9" Hg vacuum rated, 1.5" CRES Camlock barbed end fittings, clamped on, hydrostatically tested.

C.2.3. General Requirements

All hoses must meet the following requirements unless noted otherwise in the specific item description:

- **C.2.3.1. Working Pressure:** As specified per item (e.g., 250 PSIG, 150 PSIG, etc.).
- **C.2.3.2. Vacuum Rating:** 29 in Hg or higher (as specified).
- **C.2.3.3. Minimum Bend Radius (MBR):** As specified per item.
- **C.2.3.4. Installation:** Crimp sleeve/ferrule installation to conform with manufacturer's recommendations and NAHAD 500 guidelines.

C.2.4. Testing and Quality Control

C.2.4.1. Hydrostatic Proof Test: Perform a hydrostatic proof test of all assemblies to the rated/specified pressure for a duration of 5 minutes.

- **C.2.4.1.1. Acceptance Criteria:** No leakage allowed.

C.2.4.2. Post-Test Inspection & Packaging: After hydrostatic proof testing, hoses shall be inspected to ensure they are free of damage, nicks, cuts, soft spots, bulges, etc. Hoses must be thoroughly cleaned, dried, and plugged on both ends prior to shipment.

C.2.4.3. Data Requirements: Data requirements shall be provided in accordance with Exhibit A (DD Form 1423) and Attachment #1.

- **C.2.4.3.1. Certification of Hydrostatic Test:** Required for Exhibit A Sequence A010 through A018.