

SEQUOIA & KINGS CANYON NATIONAL PARKS

PMIS 317446 (formerly 184085, 246176 & 181622)

REHABILITATE ASH MOUNTAIN AND BUCKEYE WASTEWATER TREATMENT PLANTS

Supplement to PROJECT SPECIFICATIONS Division 2 – 49

Prepared for:



Sequoia & Kings Canyon National Parks
Tulare County, California

June 24, 2022

**NATIONAL PARK SERVICE
PACIFIC WEST REGION**

Before Project Solicitation, the following information is a list of Salient characteristics for items that an “or equal” or “or equivalent” is acceptable if not adequately outlined in the original specifications.

<u>Specification</u>	<u>Characteristics</u>
03 40 00	Finishing Sealant for points and penetrations of precast chambers, vaults, and manholes. Sealant must be moisture-cured, non-sag, elastomeric compound to meet Federal Spec TT-S-00230C, Type 11, Class A. It also meets ASTM C-920, Type S, Grade NS, Class 35, use T, NT, O, M, G, I, A.
05 50 16 2.5.A	The steel Ladder Safety Post should have adjustable mounting hardware to accommodate any ladder rung size or spacing, a telescoping design spring balanced for ease of operation, and able to automatically lock in the fully raised position to provide the user with a firm and steady hand-hold for safer egress, and have a release lever to allow the post to be easily lowered to its retracted position.
05 51 19, 05 52 00, 05 52 13, and 05 53 00.	Stair grates – Section 1.3.D and 2.2 – 2.4 list characteristics of the systems that could qualify.
07 31 13 2.3.D	Butyl sealants are formulated blends of butyl rubber and polyisobutylene that form a sealant joint where a seal is required against neoprene or EPDM gaskets. The sealant should be weather-resistant and usable for exterior applications with movement capability of up to 10% and meets the requirements of ASTM C1311.
31 14 13 3.2.C	Any sterile temporary cover used to seed topsoil should be a wheat and wheatgrass cross that will not reseed and compete with desired species that are drought resistant and winter hardy.
31 23 33 3.1.A.3	Geogrid reinforcement fabric shall be made of polypropylene polymer or similar synthetic with one (1) inch openings and at least 0.03-inch rib diameters with an ultimate tensile strength of 850 lb/ft, junction efficiency for load transfer per ASTM D7737-11 of at least 93%, and able to be delivered to the job site in large rolls.
33 05 61 2.2.G	Coatings for interior coating on manholes shall use a water-based acrylic material that is fast drying, applicable by a brush, paint roller or sprayer, soap and water clean up, and a VOC content as low as 59 g/L, a viscosity of between 2,000 and 4,000 centapoise, and the ability to achieve coating thicknesses of 2 to 5 mils dry.
33 05 97.16 3.2.B	Tracer wire junction boxes used should be watertight to contain the splice of tracer wires laid on top of pipelines. Construction materials will be suitable for the soil conditions to prevent

	deterioration and not allow water access which could not allow the tracer wire to function as intended.
33 14 00 3.5.E.6	Deburring tools shall be made of carbide with the geometry of the item suitable for the types of pipe that it will be used on and flutes designed for easy chip flow and fast stock removal from the piece.
33 31 13	Sewer line saddles need to have threaded stainless steel bolts, adjustable stainless steel straps, stainless steel nuts with lubricating plastic washers, and gaskets compounded for water and sewer service use.
33 31 23 and 40 05 33	Wastewater combination air valve equivalent will have the properties described within section 2.4. A to J.
33 31 23 2.3.D	Corporation stops shall have an AWWA taper with a threaded outlet and straight flare inlet made from low-lead brass alloy.
40 05 00 2.2.A	Flexible piping connectors should be made of elastomeric polyvinyl chloride that is resistant to chemicals, ultraviolet rays, fungus growth, and normal sewer gases due to its inert nature and physical properties. The installation will use stainless steel clamps and be leak-proof, rot-proof, and seal against infiltration and exfiltration
40 63 00 2.2.M.4	Telemetry Radio for each control panel must work in the 450 to 512 MHz band and contain at least one (1) 10/100 Base IP/Ethernet and two (2) secure serial ports, making Ethernet and multiple serial communications available on a single network with the ability to connect to multiple host systems on a single access point radio.

Note: All other instances of the use of “or equal”, “or equivalent”, or “or approved equal” provide sufficient information within the body of the specification to describe the salient characteristics of the type of product intended for use.