



Navajo Gallup Water Supply Project
BBN9 Reach 10.3
90% Draft Quantity Summary

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
General and Miscellaneous					
1	Mobilization (75%) / demobilization (25%).	LS	1		
2	Testing allowance, (reimbursable lab fees only, incl. compaction, concrete, materials, water quality. Excludes bacteriological lab test fees).	Allow.	1	\$50,000.00	
3	Traffic control, per county and BIA requirements.	LS	1		
Erosion and Storm Water Controls					
4	Wire-caged riprap (item includes rock, wire cage, geotextile, and staking) or cable concrete at Pumping Plant 13 Site. Final quantities, dimensions and locations TBD in field, CIP.	SY	12		
5	Wire-caged riprap (item includes rock, wire cage, geotextile, and staking) or cable concrete at Nahodishgish Regulating Tank Site. Final quantities, dimensions and locations TBD in field, CIP.	SY	32		
6	Wire-caged riprap (item includes rock, wire cage, geotextile, and staking) or cable concrete at Nahodishgish Distribution Tank Site. Final quantities, dimensions and locations TBD in field, CIP.	SY	7		
7	Uncaged riprap and rock check dams, final quantities, dimensions and locations TBD in field, CIP	CY	21		
8	Re-seeding of waterline ROW and TCE, CIP.	LF	39,048		
9	Re-seeding of Pumping Plant 13 site, CIP	LS	1		
10	Re-seeding of Nahodishgish Regulation and Distribution Tank site, CIP	LS	1		
11	SWPPP pursuant to NPDES stormwater program and consistent with USEPA's general construction permit. Includes preparation of document, implementation of all BMPs required by SWPPP, filing of all notices and inspections required by EPA, etc.	LS	1		
Water Mainline					
12	16-inch PVC DR 14 C900 Pipeline, with appurtenances, CIP. Includes fusible or bell and spigot joint as indicated on plans and specifications.	LF	7,684		
13	16-inch PVC DR 18 C900 Pipeline, with appurtenances, CIP. Includes fusible or bell and spigot joint as indicated on plans and specifications.	LF	4,916		
14	16-inch PVC DR 21 C900 Pipeline, with appurtenances, CIP. Includes fusible or bell and spigot joint as indicated on plans and specifications.	LF	25,614		
15	12-inch PVC DR 18 C900 Pipeline at Nahodishgish Regulating Tanks site, with appurtenances, CIP. Includes fusible or bell and spigot joint as indicated on plans and specifications.	LF	417		
16	6-inch PVC DR 18 C900 Pipeline at Nahodishgish Regulating Tanks site, with appurtenances, CIP. Includes fusible or bell and spigot joint as indicated on plans and specifications.	LF	389		
17	Horizontal Directional Drilling at wash crossing, including 16-inch PVC DR 18 carrier pipe and all activities for construction, CIP.	LF	833		
18	Flushing, disinfection and bacteriological testing, CIP.	LF	39,854		
19	Hydrostatic testing of main pipeline, Reach 10.3.1 connector line, and Nahodishgish CWS connection CIP	LF	39,854		
20	Rock removal and processed / imported backfill material (excludes placement and compaction of backfill, embedment, or soil cement, which are incidental to pipe bid items), CIP.	VLF	15,942		



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Water Valve Assemblies					
21	24-inch Butterfly valve (site valves), CIP.	EA	5		
22	16-inch Butterfly valve (site valves), CIP.	EA	5		
23	12-inch Mainline gate valve with reducer assembly, CIP.	EA	12		
24	12-inch Gate valve assembly (site valve), CIP	EA	1		
25	6-inch Gate valve assembly (site valve), CIP	EA	6		
26	4-inch flush valve assembly at PP13 with 4" PVC flush line with above-grade discharge, CIP.	EA	1		
27	4-inch flush valve assembly with above- grade discharge, CIP.	EA	8		
28	2-inch vacuum breaker with 1-inch air release valve assembly with enclosure on 16" mainline, CIP	EA	33		
29	2-inch vacuum breaker with 1-inch air release valve assembly with enclosure on 6" and 12" lines at Nahodishgish tank site, CIP	EA	2		
30	16-inch PVC DR 18 drainline at Nahodishgish Regulating Tank Site, CIP.	LF	304		
31	6-inch PVC DR 18 drainline at Nahodishgish Regulating Tank Site, CIP.	LF	304		
32	4-inch PVC DR 18 drainline at Pumping Plant 13 Site, CIP.	LF	306		
33	4-inch PVC DR 14 flush valve drainline at Pumping Plant 13 Site, CIP.	LF	435		
34	4-inch PVC DR 18 drainline at Nahodisgish Chlorinator Site, CIP.	LF	502		
35	2-inch PVC SDR 21 drainline at Nahodisgish Chlorinator Site, CIP.	LF	502		
36	Spare valves per technical specification 33 12 16, CIP.	LS	1		
Cathodic Protection					
37	Cathodic protection of flush valve assemblies, CIP.	EA	1		
38	Cathodic protection of 12" Gate valve assemblies, CIP.	EA	3		
39	Cathodic protection of 2-inch vacuum breaker with 1-inch are release valve assemblies, CIP.	EA	8		
40	Cathodic protection of 30-inch steel road casing, CIP	EA	3		
Road and Utility Crossings					
41	30-inch diameter STD wall open cut cased road crossings, incl. steel casing and end seals, CIP. Excludes carrier pipe.	LF	330		
42	8-inch diameter 0.25-inch wall open cut cased road crossings, incl. steel casing and end seals, CIP. Excludes carrier pipe.	LF	40		
43	24-inch diameter STD wall open cut cased road crossings, incl. steel casing and end seals, CIP. Excludes carrier pipe.	LF	30		
44	12-inch diameter STD wall open cut cased road crossings, incl. steel casing and end seals, CIP. Excludes carrier pipe.	LF	30		
45	Waterline line crossing location and exposure of waterlines per utility company requirements, CIP.	EA	5		
46	Gas/petroleum line crossing location and exposure of gas lines per gas company requirements, CIP.	EA	1		
Pumping Plant 13 Pump and Surge Tank Site					
47	Prefabricated pump station with plumbing tie-ins and all appurtenances, CIP	EA	1		
48	Pump station foundation and interior slab, with tie-ins and appurtenances, CIP	EA	1		
49	Surge tank building, incl. doors, hardware, floor drains, and all other structural elements not separately listed, CIP	EA	1		
50	Surge tank building foundation and interior slab, with tie-ins and appurtenances, CIP	EA	1		



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51	3,964 Gallon surge tank incl. all piping, fittings, and appurtenances not separately listed, CIP	EA	1		
52	Concrete driveways, walkways, HVAC pad, transformer pad, and all other site concrete work not separately listed, CIP	EA	1		
53	Site earthwork and grading for sub-foundations, pads and driveways, incl. all earthwork and imported fill material, and material removal within the ROW for the pump station and surge tanks not separately listed, per plans, specifications and geotechnical report, CIP. Excludes surfacing material and riprap.	EA	1		
54	Pump/ surge tank site piping, incl. all pipe, flush lines, drains, appurtenances, and fittings within the pump site ROW not separately listed, CIP. Excludes flush valves, butterfly valves, gate valves, and main line beyond the wyes.	EA	1		
Nahodishgish Regulating Tanks and Site Work					
55	75,000 gallon welded steel water storage tank with passive anode cathodic protection system per Section 33 16 21, including installation, energizing, adjusting, and testing, CIP.	EA	2		
56	Tank foundation for 75,000 gallon weled steel tank, CIP.	EA	2		
57	Filling, disinfection, and bacteriological testing of new 75,000 gallon tank, CIP.	EA	2		
58	Site earthwork and grading for sub-foundation, pads and driveways, CIP. Excludes surfacing material and riprap.	LS	1		
59	Nahodishgish Regulating Tank site piping, (incl. all new plumbing components within the site, pressure transducer vault, drain lines and drain line ROWs not separately listed), CIP. Excludes isolation valves, air valves, and main line.	LS	1		
Nahodishgish Distribution Tank and Site Work					
60	Nahodishgish Distribution Tank chlorinator site piping, (incl. all new plumbing components within the site, drain lines and drain line ROWs not separately listed), CIP. Excludes gate valves, air valves, and main line).	LS	1		
61	Chlorinator building, (incl. all structural elements), CIP.	LS	1		
62	Chlorinator building plumbing, CIP.	LS	1		
63	Gas chlorination equipment, CIP.	LS	1		
64	Tie-in to existing Nahodishgish CWS, CIP	LS	1		
General Site Work					
65	Pumping Plant 13 Site surfacing with 2-inch gravel over 3-inch base course, CIP	CY	130		
66	Pumping Plant 13 Site surfacing with 6-inch compacted base course, CIP	CY	328		
67	Nahodishgish tank Sites surfacing with 2-inch gravel over 3-inch base course, CIP	CY	132		
68	Nahodishgish Existing tank site surfacing with 3-inch gravel, CIP.	CY	88		
69	Nahodishgish Regulating Tanks site Access road surfacing with 6-inch NMDOT specification base course, CIP.	CY	153		
70	Pumping Plant 13 Site fencing (8 ft. chainlink fence with 3-strand barbed wire), incl. two (2) 20' double swinging gates and removal of existing fence and gates, CIP.	LF	312		



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71	Nahodishgish Regulating tanks site fencing (8ft. Chainlink fence with 3-strand barbed wire), incl. two (2) 20' double swinging gates, CIP	LF	360		
72	Nahodishgish Existing Distribution tank site fencing (8ft. Chainlink fence with 3-strand barbed wire), incl. two (2) 20' double swinging gates, CIP	LF	400		
Electrical					
73	PP13 Pump & surge tank site electrical (incl. power to pump station and surge tank buildings, primary conduit, and guard posts, grounding, control wiring between pump station and surge tank bldg, and all other electrical equipment not separately listed), CIP. Excludes primary pole, primary conductor, transformer and meter provided by utility.	EA	1		
74	Surge tank building electrical (incl. power, main disconnect, breakers, lightning protection, grounding, alarm system, solenoid system, control wiring, pressure transducers, lighting, HVAC, TVSS, and all other electrical equipment not separately listed, CIP	EA	1		
75	Pump station building electrical, incl. power supply, exterior main disconnect, TVSS, alarm system, lightning protection, SCADA panel, SCADA connection and all other electrical equipment not separately listed or included in pump station bid item, CIP. Excludes electrical components included in pre-fab pump station bid item.	EA	1		
76	Nahodishgish tank site electrical (incl. power to chlorinator building, primary conduit, and guard posts, grounding, control wiring, and all other electrical equipment not separately listed), CIP. Excludes primary pole, primary conductor, transformer and meter provided by utility.	EA	1		
77	Chlorination building electrical/ HVAC, CIP.	LS	1		
78	New pressure transducer electrical at Nahodishgish Regulating Tank site, CIP.	LS	1		
79	Pressure transducer electrical inside existing Nahodishgish Distribution Tank site, including plumbing to facilitate pressure transducer installation, CIP.	LS	1		
80	SCADA equipment for Pump station 13 site, including radios, RTU/PLCs, antennas, antenna masts, and all other SCADA equipment not separately listed, CIP	EA	1		
81	SCADA equipment for Nahodishgish Tank site, including radios, RTU/PLCs, antennas, antenna masts, and all other SCADA equipment not separately listed, CIP	EA	1		
82	SCADA programming allowance, programming sub-contractor to be selected by Owner, CIP	EA	1		
Powerlines					
83	Powerline Service Allowance to Nahodishgish Tank Site and PP13 Site	Allow	1	\$250,000.00	

TOTAL OF BASE BID:
Tax not included

\$ _____