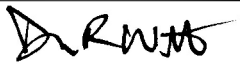


RESIDENTIAL PUMP STATION

NOTES

1. RESIDENTIAL PUMP STATIONS SHALL BE COMPLETE FACTORY ASSEMBLED UNITS CONSISTING OF THE PUMPS, WET WELL BASINS, PIPING, ELECTRICAL AND CONTROLS.
2. PUMPS ARE TO BE SUBMERSIBLE PROGRESSIVE CAVITY GRINDER PUMPS. PUMPS MAY BE E-ONE D-SERIES, MODEL DH071, CRANE COMPANY, BARNES SGPC, 1 HP OR APPROVED EQUAL.
3. PUMP STATION BASIN ASSEMBLIES ARE TO BE FIBERGLASS OR HIGH DENSITY POLYETHYLENE. PUMP STATION BASIN ASSEMBLIES MAY BE E/ONE D SERIES; BARNES EASYELECTRIC FACTORY PREWIRED BASIN PACKAGE WITH JUNCTION BOX OR APPROVED EQUAL.
4. CONTROL PANELS SHALL BE UL APPROVED, WALL MOUNTED, NEMA 4 X ENCLOSURE WITH PADLOCK LATCH. CONTROL PANELS SHALL BE SUPPLIED WITH ALARMS BOTH AUDIBLE AND VISUAL AS REQUIRED BY THE MANUFACTURER. THE PANEL SHALL BE FURNISHED WITH MANUAL PUMP START. APPROVED CONTROL PANELS INCLUDE E/ONE SENTRY, BARNES STEALTH OR APPROVED EQUAL.
5. PUMPS SHALL BE PROVIDED WITH THE STANDARD CHECK VALVE AND ANTI-SIPHON VALVE ON THE DISCHARGE PIPING. THE DISCHARGE PIPING SHALL ALSO HAVE A REDUNDANT CHECK VALVE ACCESSIBLE FROM THE INSIDE OF THE PUMP STATION BASIN.
6. IN AREAS OF HIGH GROUND WATER AN ANCHOR MAY BE REQUIRED. SEE MANUFACTURER'S RECOMMENDATION FOR SIZE OF ANCHOR.
7. CONNECTIONS TO GRAVITY LINE PER CBJ STANDARD DETAIL 216.

SCALE: NTS	DATE: 2/1/10	CITY AND BOROUGH OF JUNEAU, ALASKA RESIDENTIAL PUMP STATION PRESSURE MAIN	
DRAWN BY: STAFF	CHECKED BY: STAFF		
APPROVED BY: 	REVISED: 8/14/2011	STANDARD 219	