LIFT STATION SPECIFICATIONS

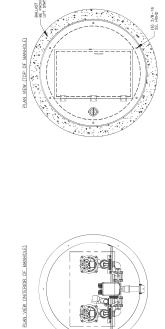


	BALZER & ASSOCIATES PLANNERS / ARCHITECTS ENGINEERS / SURVEYORS	Roanoke / Richmond New River Valley / Staunton Harrisonburg / Lynchburg www. balzer.cc	1208 Corporate Circle Roanoke, VA 24018 540,772,9580	CHANTIN OF CHANTING CONTINUES OF CONTINUES OF CONTINUES OF CONTINUES OF CONTINUES OF CON
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SP	SPECIFICATIONS	1.00	CORROSION PROTECTION
200	DUPLEX UITAGRIND TH JOBSITE WIRED BASIN PACKAGE WITH 3 HP SGV PUMP AND MINUTHAL FI CATS.		All materials exposed to westewater shall in fiberglass, stainless steel, PVC, CPVC.
		1,07	SAFETY
1.0	GENERAL		The Grinder Pump Station shall be fine from
1.01	_		environment. As evidence of compliance wi and tested grinder pump station assembly is not be acceptable.
	The manufacturer shall furnish occupies factory-built and leaded Crinder Punty Staton (s), each occusioning of a basen possings, comfort panel, shorm device, unitood level control sydems, proder pure and all	2.0	BASIN PACKAGES
	UL 778 and CSA 100, been package shall be listed to UL 1981, and control period by lefted to	2.01	STATION CONFIGURATION
	OL Solou, an equipment in the week was some the capabon of constant submergeror in rewayin to a minimum detail of the Mee without electrical power being emergered. Pump station equivalent to a Barnes 3 to 95CV Groder Pump.		Basins shall be supplied in a wet wellonfly
1.02	SHOP DRAWINGS AND MANUALS	2.02	FACTORY WIRING
	Whe receipt of rectice to proceed, the manufacturer shall furnish the engineer a minimum of eight (8) sets		Not Applicable
	to stop begins the state of the experience of the state o	2.03	CHECK VALVE
	proobed with order entry and beneation of the equipment. First to completion of equipment delivery, the manufacture small supply four (if looped or Operation and Mathematice Manuals to the centrer, and one (1) copy of the same to the engineer.		The staintees steel pump discharge spirg happer-yea check valve. Cranity operated provide at full pothed passeageway when op-
1.03	PRE-APPROVAL OF MANUFACTURER		water at macernan rated flow. Working par fabric reinforced neopreme flag to ensure or
	The system design is detailed in the drawings. Any pump manufacturer not specified, but weiting to be		The valve body shall be powder-coased on
	pre-approved as an acceptable suppler shall submit a complete inchastic analysis based on the design obtaind in the diswritte at least fifteen done prior to bid doe. All manufactures much have been in the	2.04	REDUNDANT CHECK VALVE
	business of manufacturing complete grindle pump stations for a minimum of ten years. Manufacturer Representatives, Distributors, or Pactalgers will not be opnisheed to be manufacturers. Manufacturer		None
	must demonstrate to the state/action of engineer that the proposed pump equipment will meet system. These and heads remained in addition one-submitted must also demonstrate to be additional in the	2.05	LEVEL DETECTION
	register that the explaned their groups do select a consider a decrease in defert, requirements, ministers for caustriatin, and user tended or the specified requirement. Only pro-approving principal also menutations will be considered. All task utilizing menutationars not pre-approved in the		Level debactor for controling pump and all mochanism specifically designed foruse in without the nead to temova the pum. A cy be provided to control operation of the pum.
1,04	WARRANTY		lavel services shall be mercury type jrick of housing.
	The manufacturer shall provide a warranty on materials and workmanship for a period of bwerty-frout (24) months after nation of paver's armediance fact to prevent than been transfer and the months after moved of	2.00	SHUT-OFF VALVE
	objects The owner wall return any evalenter for And To be declared to the returbation for impaction and valenders of the forest. Exclude suppress that be represent or realward and shipped basis to coalwarm at no charge. Consult factory for extended warming information.		The station discharge shall be equipped wy valves shall be full ported constructed of F shall be operate from ground level. Stat.
1.06	ACCEPTABLE MANUFACTURER(8)		contrat. Outside station shall united the art
	Accountable orienter reserve altation men fact and/of an Barraio or resummental and	2.07	ANTI-SIPHON FUNCTION
			The pump shall be constructed with Look assurance that the pump cannot lose prim

	Basins shall be supplied in a wet wellonfiguration. As shown on drawings.
2.02	FACTORY WIRING
	Not Applicable
2.03	CHECK VALVE
	The address well per paddings printing all the special filteracts well provided great period property and concerns a confident of the period by the period of the period
2.04	REDUNDANT CHECK VALVE
	None
2.05	LEVEL DETECTION
	Level decopie of the control of proposal deposition to the Accession of the control of the contr
2.05	SHUT-OFF VALVE
	The station discharge shall be equipsed with a facility instabled trust union, manual hall valve. But where shall be lightly or creatistance of the Co. with mer instant material and 15 DR M valves are half be to ground level Rest of Make make the representation according bear received. For ground level Rest of Make must be represented with all comments plant receiver. Caption obtains that a factor hose shall off releves, each requal to the level of the pump discharge.
2.07	ANTI-SIPHON FUNCTION
	The pump shall be constructed with a positively primed flooded suction configuration. As added assument that the pump central loss prime even under resides pressure configuration that

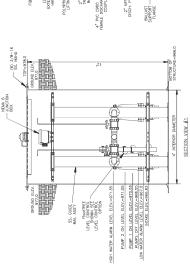
from electrical land fire housings as required in a residential way with the requirement, the correletedy sesentiated, testory wind by shall be U.L. laterd. Grinder pump cabone not U.L. laterd will		and its difficulties when the second in steaping regions are installed and control of second of
origunation. As shown on diswerpps.		to the four filters and the first open to the first could are received by the fources of the filters and the filters and the first open filters are in complaints with the filters and the supplementation and the filters and the
		2.06.2 At pang necks the beam seltcuste shall be at a level in the station that is lower than the frost cape. The basis adopting well contributed with critical case in organization focus in an organization station of promote the properties selected from the promote selection for the properties of
ping shall be equipped with featory installed grawty operated should be lippe chark valve shall not be permitted. This valve will n open, and shall should be a findfort base of less than six inches of		2.06.5 Cover shall be an aluminar lover with a fringed access opering to accommodate removal of purps, Junktion cost that Recipion 6 freed and accommodate the supervision between the beneath its access opering. Septimone is talked the equipped with a 2 fact but the rest.
parts wit be made or also senses summed state and other second. The correspon resistance, repetitibility, and offerensional state in.		2.08.4 Basin shall be U.L. Lided to Sandard 1951.
od cales from Nor completed residence.		2.06.6. All decharge pice shall be constructed of 300 Series Starties Steri and terminate outside the Duthman with a starties stell, fermier IPHT ITINg. The mechanism shall guarantee all busined preceditions wateright.
	2.09	PUMP & LEVEL CONTROL REMOVAL SYSTEM
od samm operation start the accordinates by as of a describin one in a second procession of the accordinate of the accordinates of the acc		The property of the party of th
	99	SAVIN
od with a factory metabled, the crock, manual half wave. Ball d of PVC, with a minimum rated pressure of 150 PSL All valves	3.01	DESIGN
an d'Andre Title de repussione entra l'occarette glaten. O stat di Yahves, esent escuello Pre Nato d'Ese pump d'achrego. Coellente Thooled suction conformétic As addec		A centritupia sukrawashe girder pung delagmed to reduca all mainteil found in maried cimeetis sweways, ber concluding policy, cuber, such consequence of the consequ
prime even under regative pressure conditions in the discharge retem must include an arthrisphon capability. The design shall		Pump(s) shall be suitable for long tern submergence in sewage. Ginder pump(s) shall be U.L. Usted to seweboard 728 and Cost, Lander of Brandard (108).

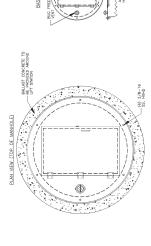


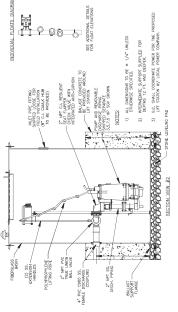
Not Applicable ace GLOSED VAL

3.07 3.09

8







LIFT STATION DETAILS

FRANKLIN COUNTY DEPARTMENT OF PLANNING & COMMUNITY DEVELOPMENT

APPROVAL BLOCK