

* *	L/S
DIM A	8" MIN.
DIM B	6'
DIM C	*
DIM D	*
DIM E	*
DIM F	*
DIM G	*
DIM H	*
DIM K	*
ELEV T	12.57
ELEV U	14.57
ELEV V	15.75
ELEV W	16.25
ELEV X	16.75
ELEV Y	24.97
ELEV Z	17.75
GPM@TDH	120@71.26

* PER PUMP MANUFACTURERS REQUIREMENT

GENERAL NOTES:

- ALL EXPOSED METAL SHALL BE PAINTED WITH 2 COATS OF EXTERIOR ENAMEL PAINT.
- EXTERIOR WET WELL AND INTERIOR / EXTERIOR VALVE VAULT SHALL BE COATED WITH COAL TAR. OUTSIDE CONCRETE SURFACES ABOVE GROUND SHALL BE LEFT BARE. (ONE COAT (9 MILS) COAL TAR EPOXY TO BE FIELD APPLIED AFTER INSTALLATION.)
- BASE AND FIRST RISER UNIT TO BE CAST MONOLITHIC.
- VALVE VAULT SHALL BE SIZED TO PERMIT EASY REMOVAL OF CHECK VALVE SPINDLES WITH MINIMUM CLEARANCES AS SHOWN FOR 6" DIAMETER PIPE AND SMALLER. CLEARANCES SHALL INCREASE AS REQUIRED FOR LARGER PIPE SIZES.
- VALVE VAULT SHALL HAVE SEALED FLOOR AND DRAIN.
- ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL OR VALVE VAULT SHALL BE MADE WATERTIGHT WITH WALL SLEEVE OR NON-SHRINK GROUT.
- EXPOSED PIPING SHOULD BE THOROUGHLY COATED WITH TWO COATS OF TAR.
- THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN WET WELL.
- WET WELL AND VALVE VAULT COVERS SHALL BE ALUMINUM WITH 316 S.S. HARDWARE AND LOCK BRACKET. SIZE AS REQUIRED BY PUMP MANUFACTURER AND APPROVED BY THE CITY. INSTALL "SAFE-HATCH" ACCESS COVER (MANUFACTURED BY FLYGT).
- WET WELL GROUT CIRCLE SHOULD BE PLACED AND FORMED AS SHOWN IN PUMP MANUFACTURES SHOP DRAWINGS AND TROWELED SMOOTH TO PREVENT SOLIDS BUILD-UP.
- VALVE VAULT FLOOR TO BE TROWELED SMOOTH AND SLOPED TO DRAIN. MANUFACTURES SHOP DRAWINGS AND TROWELED SMOOTH TO PREVENT SOLIDS BUILD-UP.
- FLEXIBLE COUPLING SHALL BE SLEEVE TYPE.
- PUMPS (2 EACH) SHALL BE SUBMERSIBLE:

MANUFACTURER: _____ FLYGT _____; MODEL: NP3127.181 _____; IMP: _____ * _____; DIA: 215mm _____;
MM, SPEED: 1735 _____ RPM; DISCHARGE SIZE: 4 _____ IN.; VOLTAGE: 230 _____;
HZ.: 60 _____; PHASE: 3 _____; H.P.: 10 _____;
MIN. SOLID SIZE: 3 _____ IN.; CURVE: _____ * _____.
- ALL HARDWARE IN WET WELL AND VALVE BOX TO BE STAINLESS STEEL.
- CONTRACTOR TO INSTALL A "DUCK BILL" CHECK VALVE BETWEEN THE VALVE VAULT AND WET WELL AS SHOWN.
- CONTRACTOR TO VERIFY THAT 240V / 3 PHASE POWER IS AVAILABLE BEFORE ORDERING EQUIPMENT.
- PROVIDE MOTOR OVERLOAD AND PHASE PROTECTION.
- PROVIDE LIGHTNING PROTECTION.
- PROVIDE A FLUSH VALVE TO AUTOMATICALLY FLUSH THE SUMP DURING INITIAL OPERATION OF THE PUMP.
- CHECK VALVES TO BE MUELLER OR CLOW, KENNEDY, MH.
- WET WELL SHALL BE HDPE PLASTIC LINED OR HAVE "AGRULINER" INSTALLED.
- DUCTILE IRON GRAVITY PIPE, DUCTILE IRON FORCEMAIN PIPE AND FITTINGS TO BE LINED WITH PROTECTO 401 CERAMIC EPOXY IN ACCORDANCE WITH ASTM A716/A746.

REV	DATE	BY	REVISIONS
2	05 JUL 11	REF JHS	REV SHEET NUMBER
1	20 JAN 11	REF JMS	REVISED DIM "A" & ADDED NOTE 23



**PUMP STATION DETAILS,
PLANS, SECTION, AND NOTES**
TECHNICAL STANDARDS MANUAL
CITY OF LYNN HAVEN FLORIDA

CAD FILE:	PSDPSAN
DWN BY:	JEH
DATE:	30 APR 07
SHEET NO:	3B OF 6
DETAIL	LS-3