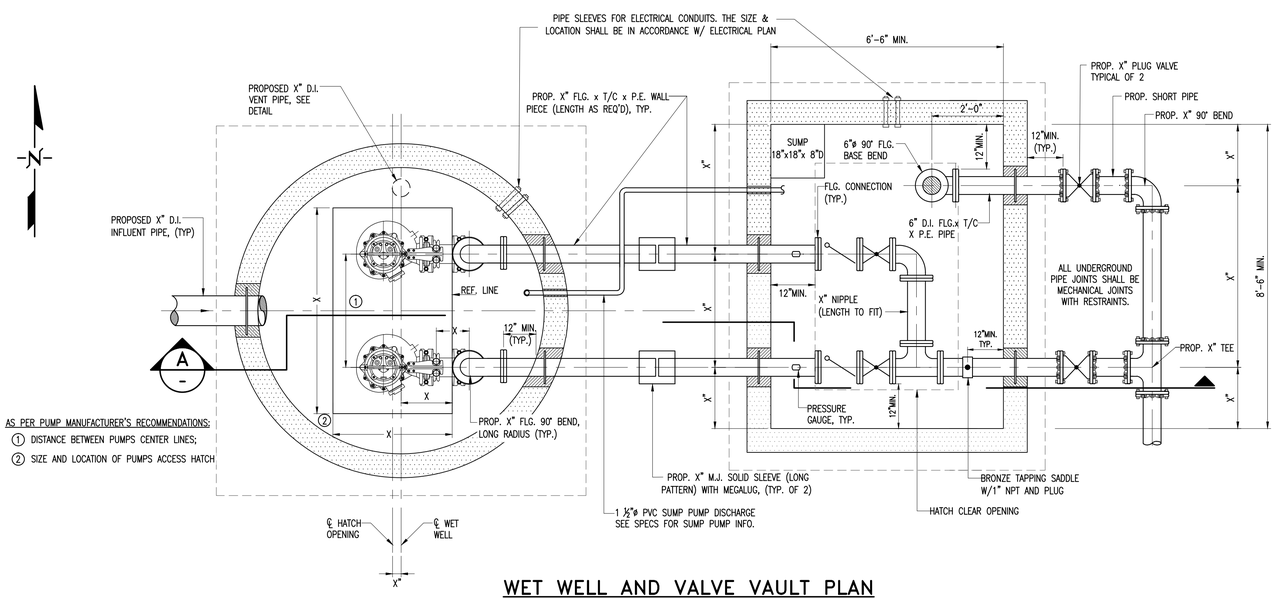
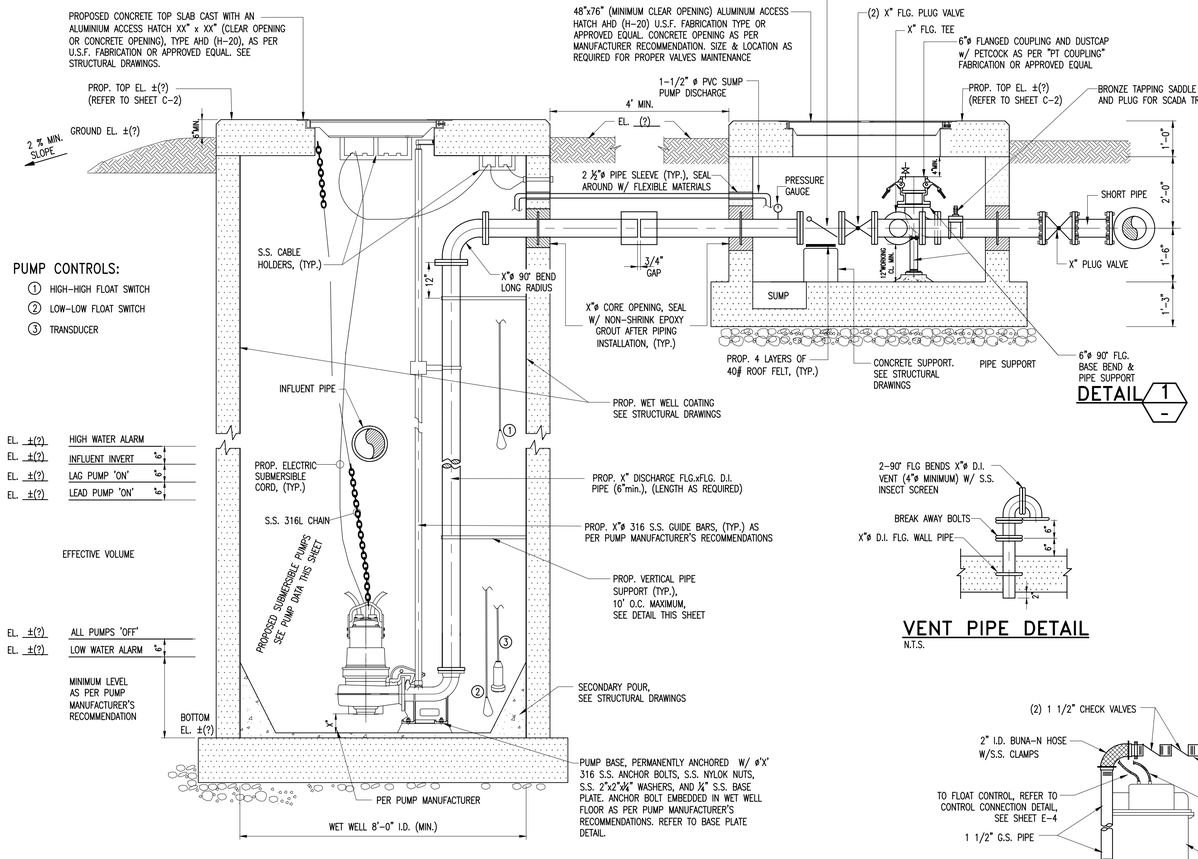


WET WELL AND VALVE VAULT PLAN

SCALE: 1/2"=1'-0"



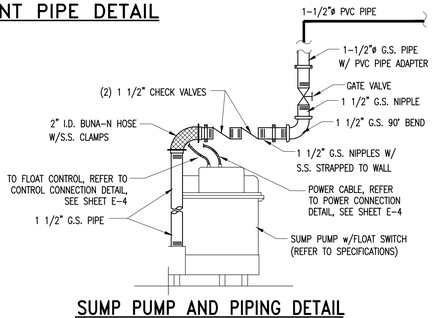
SECTION A

SCALE: 1/2"=1'-0"

DETAIL 1

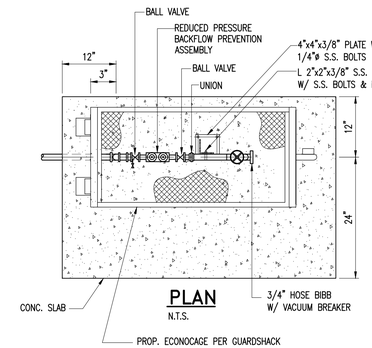
VENT PIPE DETAIL

N.T.S.



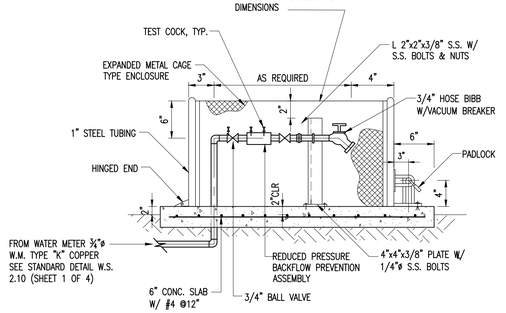
SUMP PUMP AND PIPING DETAIL

N.T.S.



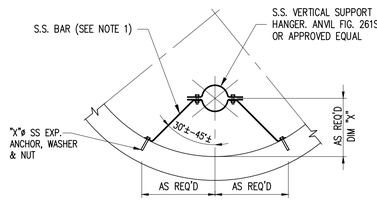
PLAN

N.T.S.



BACKFLOW PREVENTER WITH HOSE BIBB

N.T.S.

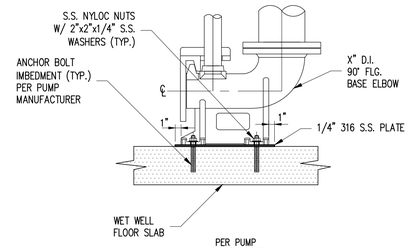


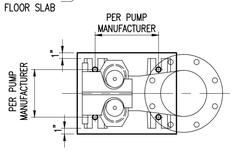
NOTES:

1. STAINLESS STEEL TO AS 2837-1986: WROUGHT ALLOY STEELS-STAINLESS STEEL BARS AND SEMI-FINISHED PRODUCT GRADE 316 (316 IF WELDED) UNLESS OTHERWISE NOTED.
2. DIM "X" TO BE MEASURED AND CONFIRMED ON SITE

VERTICAL PIPE SUPPORT DETAIL

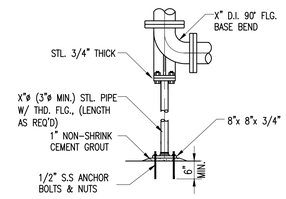
N.T.S.





BASE PLATE DETAIL

N.T.S.



GALVANIZED PIPE SUPPORT DETAIL 1

N.T.S.

PUMP DATA:			
FLUID			RAW SEWAGE
INSTALLATION LOCATION			ADDRESS:
PUMP TYPE	SUBMERSIBLE PUMP		
RATED POINT	CAPACITY, GPM		???
	TDH, FEET		???
SHUT OFF HEAD, FT			???
CONTINUOUS OPERATING RANGE	MAXIMUM TDH, FT		???
	CAPACITY, GPM		???
	MINIMUM TDH, FT		???
	CAPACITY, GPM		???
	NPSHR, FT		???
	PUMP EFFICIENCY	AT B.E.P., %	???
		MIN. @ RUNOUT, %	???
PUMP CONSTRUCTION	CASING		CAST IRON CLASS 35B
	IMPELLER		CAST IRON CLASS 35B
	SHAFT		AISI 420 S.S.
	BEARINGS L-10 LIFE, HRS.		???
	MAX. SHAFT DEFLECTION IN OPERATING RANGE, MILS		2
	MAX. VEL. OF VIBRATIONS IN OP. RANGE, INCH/SEC		0.15
	SUCTION, INCHES		-
	DISCHARGE, INCHES		???
ELECTRIC MOTOR	RATED HP		???
	RPM		???
	VOLTS/PHASE/Hz/S.F.		???
	AMBIENT TEMP. FOR MOTOR RATING, °C		40
	MAXIMUM TEMP. RISE, °C		40
	BEARINGS L-10 LIFE, HRS.		???
	MAX. VIBRATION AMP., MILS		0.1
	NOISE LEVEL, dB@1 METER		-
	NEMA DESIGN CODE LETTER		B
	START. CURR. LETTER CODE		G
	INSULATION CLASS		H
	MOTOR RATED HP NOT OVERLOADED AT ANY POINT IN THE PUMPS PERFORMANCE CURVE		
MANUFACTURERS & MODELS	PUMP	??? MODEL ???; ??? IMPELLER	
	MOTOR	???	

MECHANICAL NOTES:

1). THE STANDARD DRAWINGS PRESENTED ARE BASED ON MINIMUM OF 6" DISCHARGE FORCE MAIN.

2). CONTRACTOR SHALL VERIFY EXISTING UNDERGROUND UTILITIES IN APPLICATIONS, ELEVATIONS, AND QUALITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY EXISTING PIPING TO REMAIN BEFORE ORDERING NEW PIPE AND FITTINGS FOR CONNECTIONS. THE CONTRACTOR SHALL INSPECT AND VERIFY ALL SITE CONDITIONS, DIMENSIONS, ELEVATIONS ETC. AND COORDINATE WITH OTHER TRADES PRIOR TO CONSTRUCTION. WORK SHALL BE SCHEDULED ACCORDING TO SPECIFIED CONSTRUCTION SEQUENCE.

3). PAY ATTENTION TO AVOID DISTURBING EXISTING ELECTRICAL SERVICE IN THE AREA UNDER CONSTRUCTION (FOR EXISTING FACILITIES ONLY).

4). ALL ELEVATIONS FOR UNDERGROUND UTILITIES SHOWN ARE T.O.P. ELEVATIONS UNLESS OTHERWISE SPECIFIED.

5). ALL PIPING, UNLESS SPECIFIED, TO USE DUCTILE IRON WITH LINING OF SEWER APPLICATION. FITTINGS AND CONNECTIONS UNDERGROUND TO USE MECHANICAL JOINT WITH RESTRAINTS; FITTINGS ABOVE GROUND OR IN VAULT TO USE FLANGE JOINT.

6). PROTECT ALL UNDERGROUND FITTING WITH BOLT CONNECTIONS IN DIRECT CONTACT WITH SOIL WITH TWO COATS OF BITUMASTIC MATERIAL OR APPROVED EQUAL. PROVIDE DIELECTRIC FITTINGS BETWEEN TWO DIFFERENT PIPING MATERIALS.

7). PIPE SUPPORTS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.

8). PROPOSED WET WELL SHALL BE CYLINDRICAL TYPE MADE OF REINFORCED CONCRETE WITH DEPTH NO GREATER THAN 24 FEET.

9). PROVIDE SPARK-PROOF CONTACT BETWEEN PUMPS AND GUIDE RAIL SYSTEM.

10). ALL PUMP CONTROLS SHALL BE SET AS PER DESIGN REQUIREMENTS.

ALL PUMP STATION PLANS SHALL BE DRAWN TO SCALE

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WATER & SEWER DEPARTMENT
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ENGINEERING & DESIGN DIVISION
3575 S LE JEUNE RD
MIAMI, FL 33146
786-268-5250

PCTS 00000/CONTRACT X-000 or RPQ/ERX00000
SUBMERSIBLE PUMPING STATION WITHOUT GENERATOR
PUMPING STATION No. 0000 (UPDATE 2015)
PROJECT OFFICIAL ADDRESS

MECHANICAL PLAN, SECTIONS, DETAILS AND PUMP DATA

DRAWING HISTORY

	RELEASED FOR	DATE	BY
X	REVIEW 90%	04/21/15	LMS
	REVIEW 00%		
	PERMIT		
	BID		
	AS-BUILT		

REVISIONS

No.	DESCRIPTION	DATE	BY
1	XXXXXX XXXXXX	06/19/15	LMS

APPROVALS

PROJECT MGR: X.X.X.	CHECKED: X.X.X.
DESIGNED: X.X.X.	DRAWN: X.X.X.
CHIEF ENGINEER: J.B.F.	
DESIGN MNGR.: R.J.A.	
SECTION HEAD: X.X.X.	

Xxxx Xxxxx, P.E.
Xxxxx Engineer
State of Florida-License No.00000
Date:_____

FILE NAME: 00000M01.DWG
DATE: 04/21/2015 | SCALE: AS NOTED
SHEET M-1
DWG. No. X-00000-D