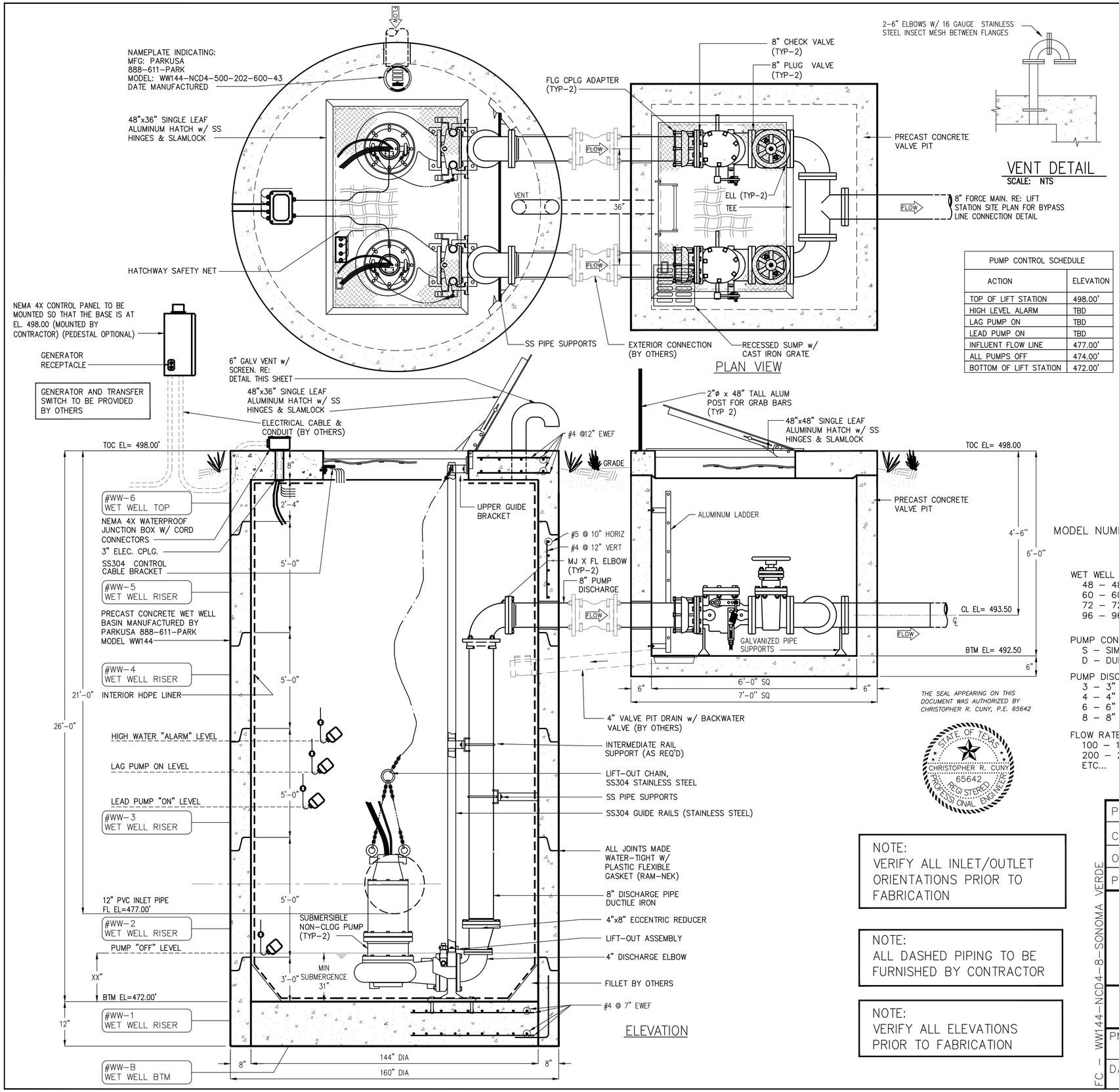

VENT DETAIL
SCALE: NTS

PUMP CONTROL SCHEDULE	
ACTION	ELEVATION
TOP OF LIFT STATION	498.00'
HIGH LEVEL ALARM	TBD
LAG PUMP ON	TBD
LEAD PUMP ON	TBD
INFLUENT FLOW LINE	477.00'
ALL PUMPS OFF	474.00'
BOTTOM OF LIFT STATION	472.00'

Specifications

CONCRETE :

Class I/II concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor, first stage of wall and baffle with sectional riser to required depth.

REINFORCEMENT:

Grade 60 reinforced with steel rebar conforming to ASTM A615 on required centers or equal.

ALUMINUM HATCH:

300 PSF rated, 1/4" aluminum skid-resistant floor plate, stainless steel tamperproof bolting & hinges & slamlock. (H-20 Rating Optional)

PUMPS:

Pumps shall be centrifugal solids handling type with submersible type motor. Pumps shall have a capacity as follows:

PUMP No.	TYPE	GPM	TDH	RPM	ELECTRICAL HP	V	PH	Hz
1	NON CLOG	580	180'	1800	75	460	3	60
2	NON CLOG	580	180'	1800	75	460	3	60

CONTROLS:

Pump controls shall be mounted inside a UL Listed NEMA-4X enclosure and include circuit breakers, alarm circuit fuse, IEC rated motor starter, pump HOA, and alternator relay. Panel shall have a visual alarm beacon. Panel is designed for remote mounting.

Engineering Data

Field excavation and preparation shall be completed prior to delivery of assembly. Use dimensional data as shown. All pipe, valves and fittings of the assembly are approved by one of the following associations:

NPCA CERTIFIED PLANT · CSA B64.5 · UL · AMERICAN SOCIETY OF SANITARY ENGINEERING

MODEL NUMBER: ParkUSA
888-611-PARK, www.PARK-USA.com
WW144-NCD4-580-180-750-43

WET WELL SIZE (ID)
- 48 - 48" DIA
- 60 - 60" DIA
- 72 - 72" DIA
- 96 - 96" DIA

PUMP CONFIGURATION
- S - SIMPLEX
- D - DUPLEX

PUMP DISCHARGE SIZE
- 3 - 3"
- 4 - 4"
- 6 - 6"
- 8 - 8"

FLOW RATE CAPACITY (GPM)
- 100 - 100 GPM
- 200 - 200 GPM
- ETC...

POWER CHARACTERISTICS
- 43 - 460V/3PH/60Hz
- 23 - 230V/3PH/60hz
- 21 - 230V/1PH/60Hz
- 03 - 208V/3PH/60Hz

PUMP MOTOR SIZE
- 020 - 2.0 HP
- 030 - 3.0 HP
- 050 - 5.0 HP
- 075 - 7.5 HP
- 100 - 10.0 HP
- 150 - 15.0 HP
- 200 - 20.0 HP

PUMP HEAD CAPACITY (TDH)
- 10 - 10' TOTAL DYNAMIC HEAD
- 20 - 20' TOTAL DYNAMIC HEAD
- ETC...

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NOTE:
VERIFY ALL INLET/OUTLET ORIENTATIONS PRIOR TO FABRICATION

NOTE:
ALL DASHED PIPING TO BE FURNISHED BY CONTRACTOR

NOTE:
VERIFY ALL ELEVATIONS PRIOR TO FABRICATION

PROJECT :	SONOMA VERDE / McCLENDON CHISHOLM, TX
CUSTOMER :	F.C. CUNY CORP.
ORDER # :	83046
PROJ. # :	13-01577

888.611.7275
www.park-usa.com
PARK USA Design for Water

SANITARY SEWER LIFT STATION
SUBMERSIBLE NON-CLOG PUMP STATION

PM	DWG	DWG. NO.	REV.
DC	CH	WW144-NCD4/8	B
DATE 07/29/13			

FC - WW144-NCD4-8-SONOMA VERDE