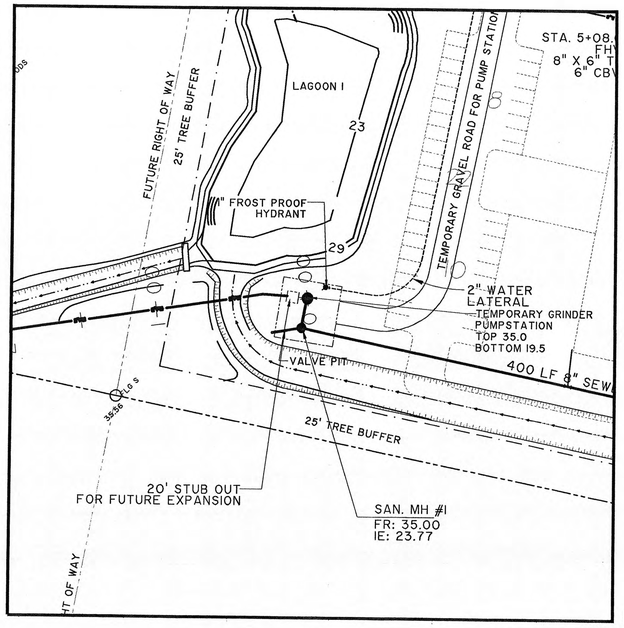
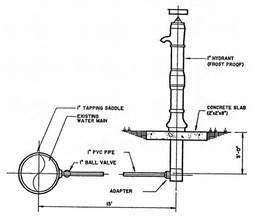


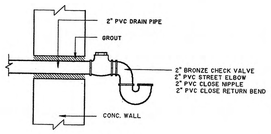
PUMP STATION SITE PLAN

1" = 20'



FROST PROOF HYDRANT DETAIL

NOT TO SCALE



CHECK VALVE & TRAP DETAIL

NOT TO SCALE

PUMP STATION PUMP DESIGN SCHEDULE

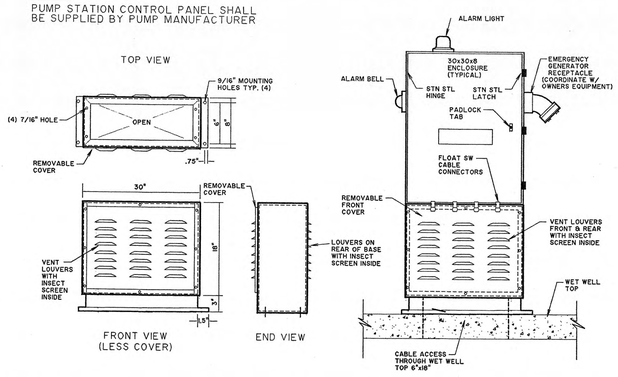
DESCRIPTION	P.S.#1
T-D-H	49'
PUMP CAP.(GPM)	20
RPM	3395
PHASE	3
VOLTAGE	230
MIN. HP	1.9
PUMP MODEL (OR APPROVED EQUAL)	FLYGHT M 3067 W/#211 IMPELLER

CONCRETE WET WELL DESIGN SCHEDULE

DESCRIPTION	P.S.#1
INFLUENT ELEV.	23.5
H.W.L. ELEV.	22.5
L.W.L. ELEV.	21.0
BOTTOM ELEV.	19.5
FIN. GRADE ELEV.	34.5
START LAG PUMP	22.0
HIGH WATER ALARM	22.5
WET WELL DIA.	4'ø

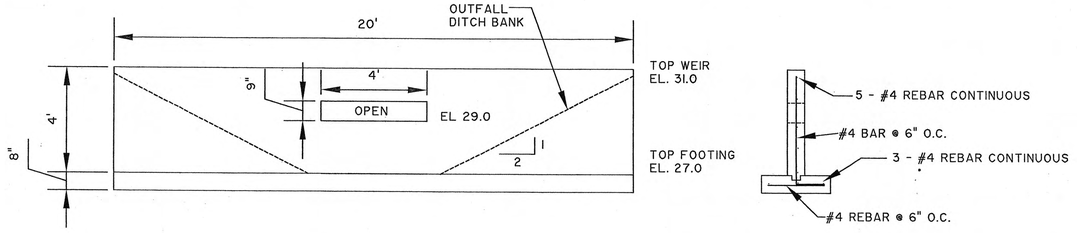
NOTE:

PUMP STATION CONTROL PANEL SHALL BE SUPPLIED BY PUMP MANUFACTURER



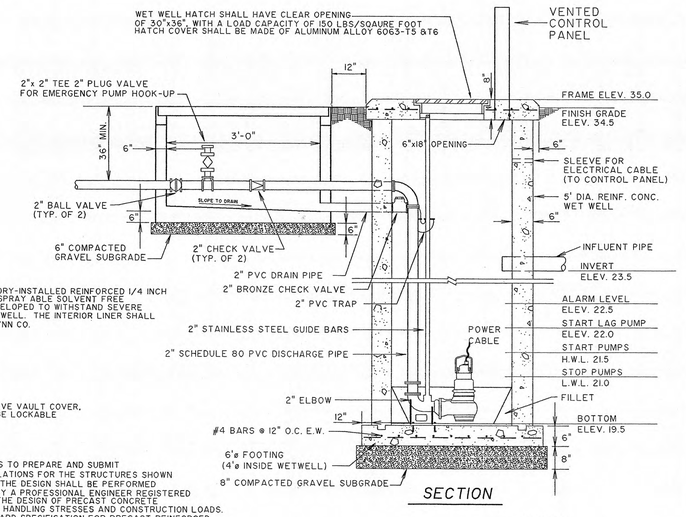
PUMP STATION CONTROL PANEL AND PEDESTAL BASE

NOT TO SCALE



DRAINAGE OUTFALL STRUCTURE DETAIL

NOT TO SCALE

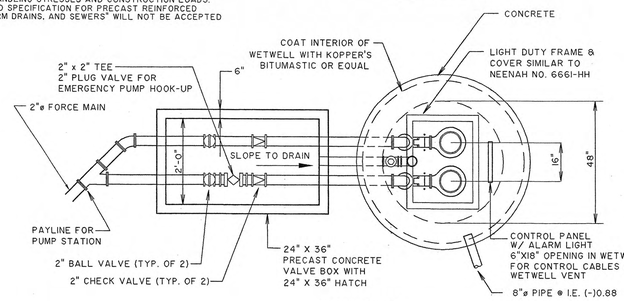


NOTE: WET WELL SHALL BE LINED WITH A FACTORY-INSTALLED REINFORCED 1/4 INCH THICK FIBERGLASS LINER OR A POLYMER BASED SPRAY ABLE SOLVENT FREE MOISTURE/CHEMICAL BARRIER SPECIFICALLY DEVELOPED TO WITHSTAND SEVERE EFFECTS OF HYDROGEN SULFIDE WITHIN THE WETWELL. THE INTERIOR LINER SHALL BE SPECTRASHIELD APPROVED OR EQUAL BY GLYNN CO.

WET WELL COVER, VALVE VAULT COVER, AND PANEL BOX WILL BE LOCKABLE WITH A PAD LOCK.

NOTE: PRECAST WET WELL MANUFACTURE IS TO PREPARE AND SUBMIT TO THE ENGINEER DESIGN DETAILS & CALCULATIONS FOR THE STRUCTURES SHOWN BASED ON THE DESIGN CRITERIA SPECIFIED. THE DESIGN SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION & SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA EXPERIENCED IN THE DESIGN OF PRECAST CONCRETE. THE DESIGN SHALL INCLUDE PROVISIONS FOR HANDLING STRESSES AND CONSTRUCTION LOADS. REPRODUCED COPIES OF ASTM C789 "STANDARD SPECIFICATION FOR PRECAST REINFORCED CONCRETE BOX SECTIONS FOR CULVERTS, STORM DRAINS, AND SEWERS" WILL NOT BE ACCEPTED AS A SUBSTITUTE FOR DESIGN.

SECTION



TOP PLAN

DUPLEX SUBMERSIBLE GRINDER PUMP STATION NO.1

NOT TO SCALE

NO.	REVISIONS	BY	DATE
2	ADDED STORM DRAINAGE OUTFALL DETAIL	MLH	01/02/01
1	ISSUED FOR PERMITTING	MLH	12/05/00

Hayes, Seay, Mattern & Mattern, Inc.

ARCHITECTS
ENGINEERS
PLANNERS

6201 FAIRVIEW ROAD, SUITE 400
CHARLOTTE, NC 28210

THOMAS & HUTTON ENGINEERING CO.
50 PARK OF COMMERCE WAY
SAVANNAH, GA 31405
912-234-5300

SEALS

GEORGIA REGISTERED NO. 22222 PROFESSIONAL ENGINEER JEFFREY L HALLIBURTON

GLYNN COUNTY PUBLIC SAFETY COMPLEX AND FIRE STATION NO.8

BRUNSWICK, GEORGIA

PUMP STATION & PLAN DETAILS

DESIGNED	JLH
DRAWN	MLH
CHECKED	GC
APPROVED	JLH
SUBMITTED	--
SCALE AS SHOWN	COMM. NO. 7482A
DATE DEC. 05, 2000	SHEET C-13