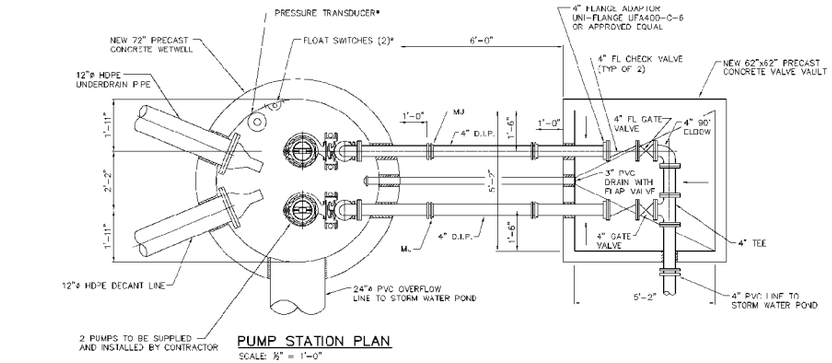
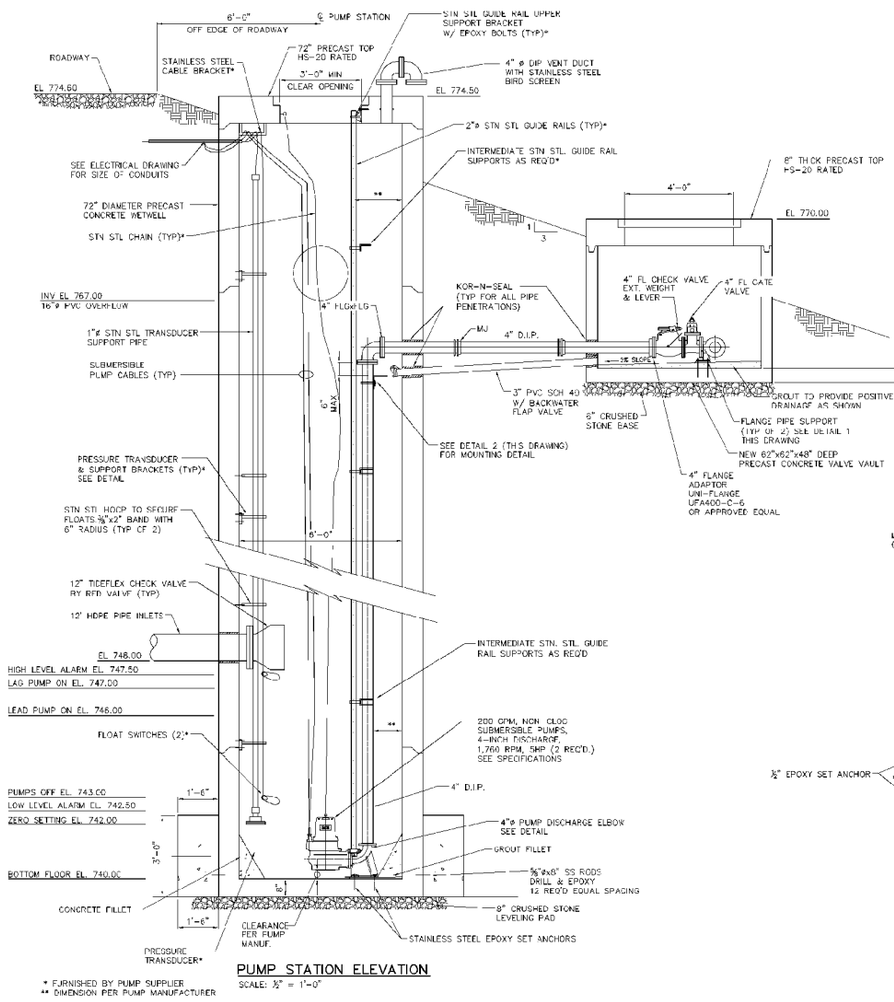
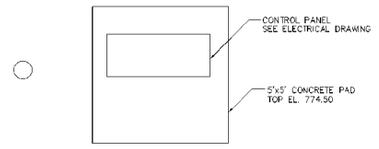


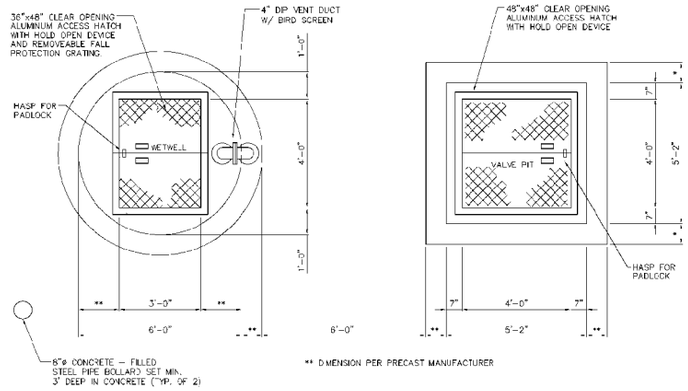
PUMP STATION PLAN
SCALE: ½" = 1'-0"



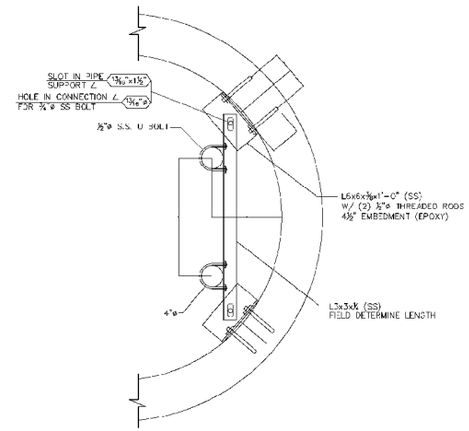
PUMP STATION ELEVATION
SCALE: ½" = 1'-0"

* FURNISHED BY PUMP SUPPLIER
** DIMENSION PER PUMP MANUFACTURER

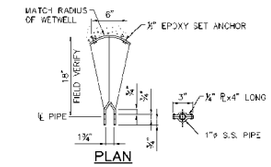




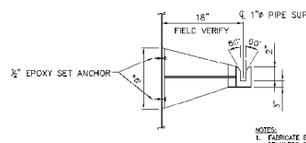
PUMP STATION TOP PLAN
SCALE: ½" = 1'-0"



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



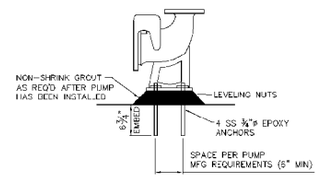
PLAN



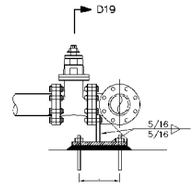
NOTES:
1. FABRICATE BRACKET FROM ¼" 316 STAINLESS STEEL.
2. LOCATE BRACKETS SO PIPE CAN BE REMOVED THROUGH HATCH OPENING

ELEVATION

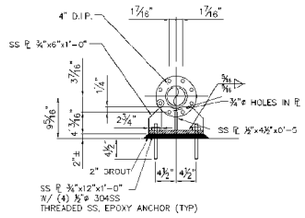
PRESSURE TRANSDUCER AND FLOAT SUPPORT BRACKET (3 REQUIRED)
N.T.S.



TYPICAL PUMP DISCHARGE
SCALE: 1" = 1'-0"



DETAIL 1
SCALE: 1"=1'-0"



SECTION D19
SCALE: 1"=1'-0"

GENERAL NOTES:
1. PRECAST CONCRETE MANHOLE BASE, RISERS, AND TOP SHALL CONFORM TO ASTM C478. JOINT SEALS SHALL CONSIST OF BUTYL RUBBER ROPE SEAL CONFORMING TO ASTM C990 PLUS EXTERNAL BUTYL RUBBER WRAP CONFORMING TO ASTM C877. COAT INSIDE SURFACES OF WETWELL WITH CEMENT-BASED WATERPROOFING, THOROSEAL, XYPEX, OR EQUAL.
2. PIPE TO MANHOLE CONNECTORS SHALL BE RESILIENT CONNECTORS CONFORMING TO ASTM C923, KOR-N-SEAL OR EQUAL.
3. DUCTILE IRON PIPE SHALL CONFORM TO AWWA C151, CLASS 350. DUCTILE IRON FITTINGS SHALL CONFORM TO AWWA C110, CLASS 250. FLANGE BOLTS SHALL BE CADMIUM OR ZINC PLATED. PROVIDE STANDARD CEMENT LINING. EXTERIOR SURFACES SHALL BE PRIMED. COAT EXTERIOR SURFACES IN THE FIELD WITH TWO COATS OF COAL TAR EPOXY PAINT.
4. GATE VALVES SHALL BE RESILIENT SEAT GATE VALVES CONFORMING TO AWWA C509. CHECK VALVES SHALL BE OUTSIDE LEVER AND WEIGHT VALVES CONFORMING TO AWWA C508. PROVIDE EPOXY COATING ON INSIDE AND OUTSIDE SURFACES.
5. ALL DRILLED-IN ANCHORS SHALL BE EPOXY-SET, STAINLESS STEEL.
6. EARTH BACKFILL SHALL BE COMPACTED IN 8-INCH LIFTS TO 95 PERCENT OF MAXIMUM DENSITY.

REV NO.	DATE	ORIGN	DRAWN	CHKD	SUPV	REVWD	APPD	ISSD	PROJECT ID	AS CONST	REV NO.
R 0	02/08	JTS	SAH	JTS	HLP	BAK					0
INITIAL ISSUE, FOR W.O.# KIF 08-580885-000 R0											1
											2
											3
											4

DISCIPLINE INTERFACE

SCALE: 1"=200' EXCEPT AS NOTED

YARD

FGD GYPSUM DISPOSAL FACILITY
PUMP STATION PLAN
SECTIONS AND DETAILS

DESIGNED BY	DRAWN BY	CHECKED BY	SUPERVISED BY	REVIEWED BY	APPROVED BY	ISSUED BY
J.T. STEIN	S.A. HAMBY	J.T. STEIN				

KINGSTON FOSSIL PLANT
TENNESSEE VALLEY AUTHORITY
FOSSIL AND HYDRO ENGINEERING

AUTOCAD R00	DATE 02/08	36	C	10W428-19	R 0

CONSOLIDATED TECH., INC.
TASK COMPLETED BY: | REV NO.

PLOT FACTOR:1:1
W_TVA

C.A.D. DRAWING
DO NOT ALTER MANUALLY

TVA-00004024