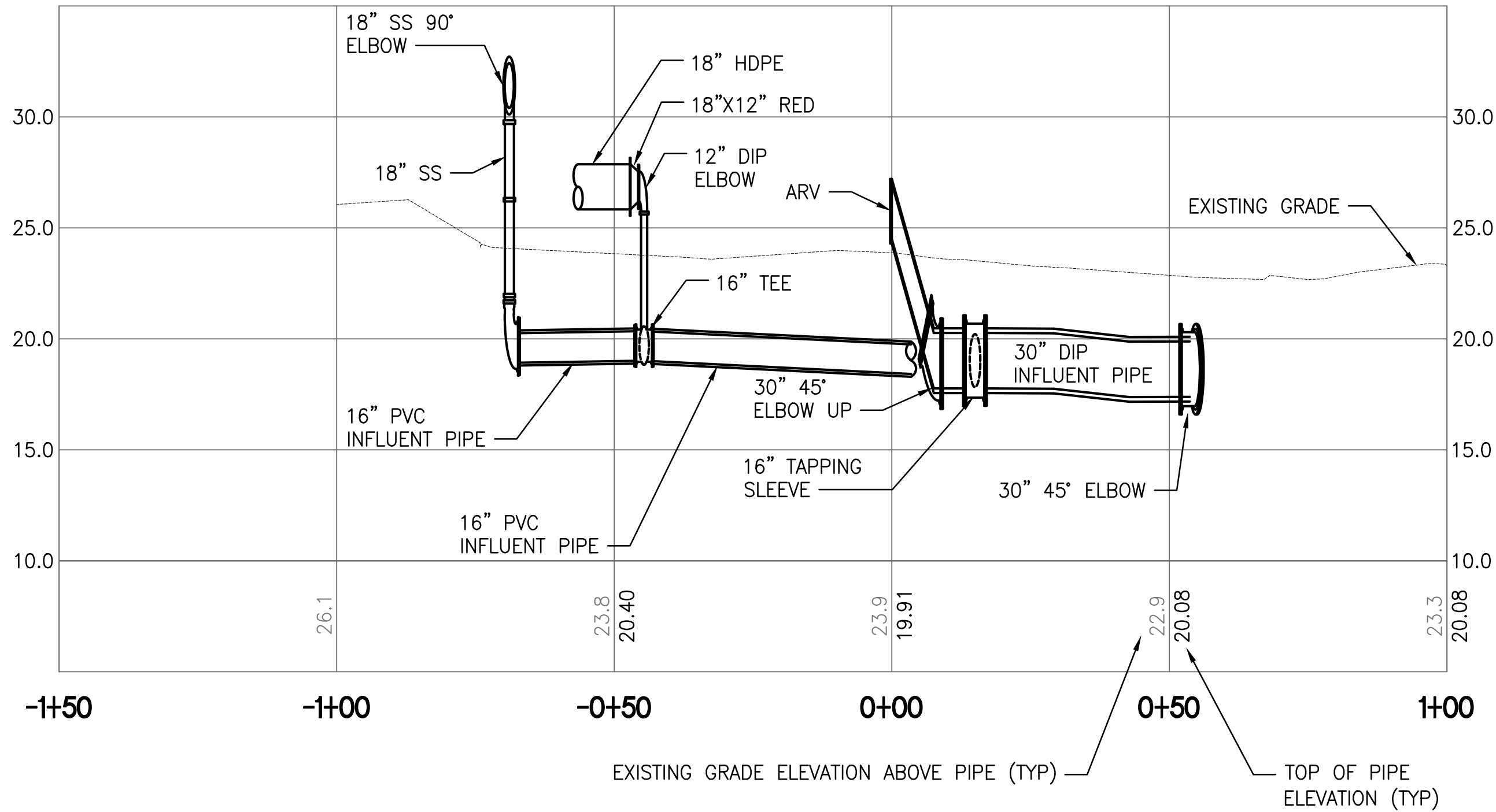
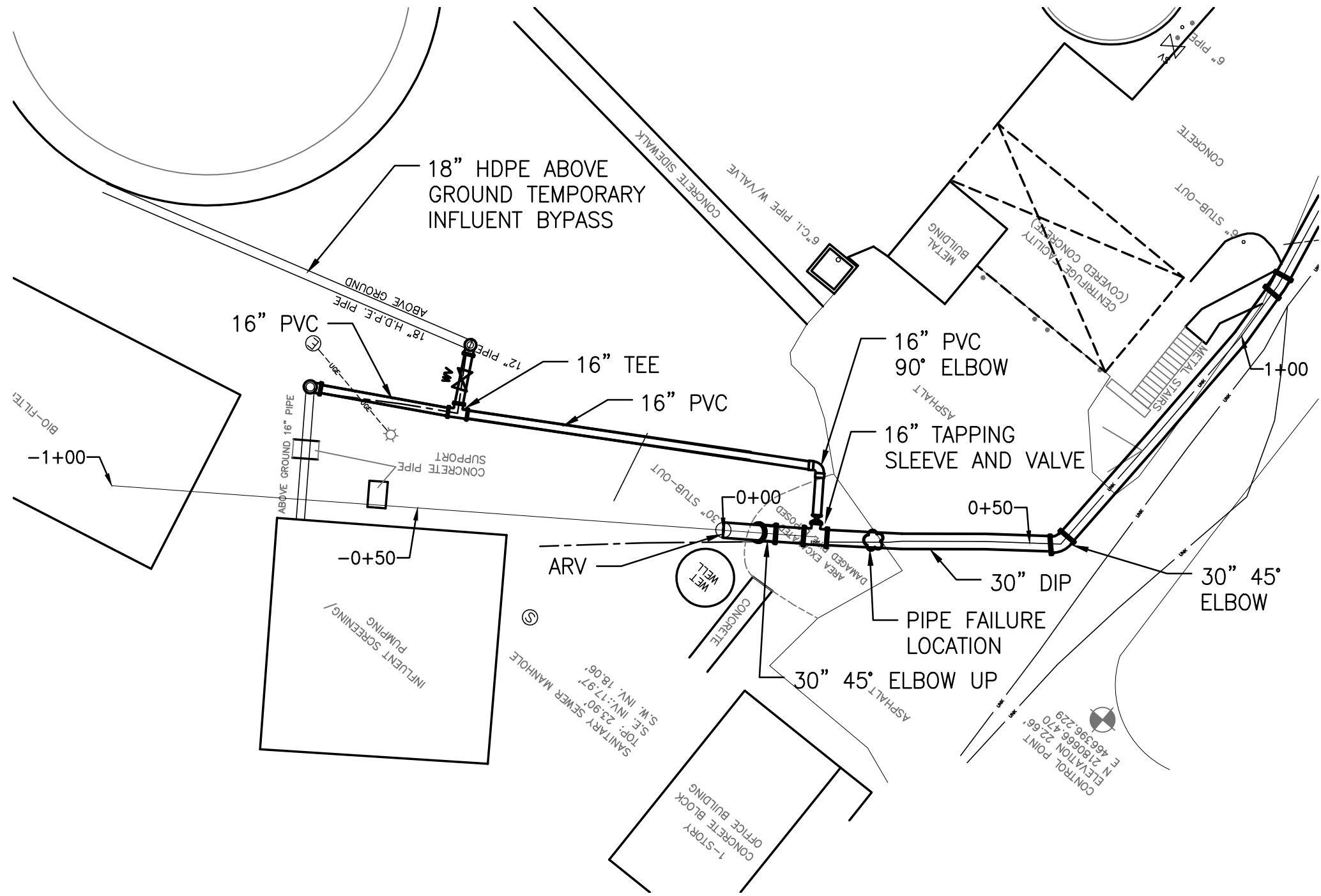
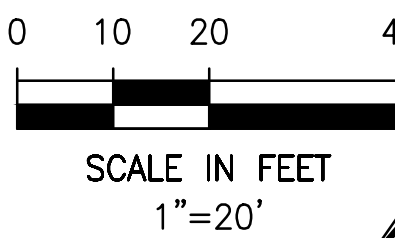


NOTES BY DEGROVE SURVEYORS, INC.:

- 1) THIS IS A TOPOGRAPHIC SURVEY OF A PORTION OF THE JEA - MONTEREY WASTE WATER TREATMENT PLANT.
- 2) ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND ARE BASED ON NGS BENCHMARKS "G694" (PID# DL5767) ELEVATION = 53.19' NAVD 88 AND ON "H694" (PID# DL5768) ELEVATION = 55.05' NAVD 88.
- 3) UNDERGROUND UTILITIES, FOUNDATIONS, OR OTHER IMPROVEMENTS, IF ANY, WERE NOT LOCATED EXCEPT AS SHOWN.
- 4) JURISDICTIONAL WETLANDS, IF ANY, WERE NOT LOCATED OR IDENTIFIED AS PART OF THIS SURVEY.
- 5) THE COORDINATES SHOWN HEREON ARE REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM (EAST ZONE), NORTH AMERICAN DATUM OF 1983 (NAD83(2011)), U.S. SURVEY FEET. THE PLANE COORDINATES WERE DERIVED USING REAL TIME KINEMATIC (RTK) GPS WITH DIRECT OBSERVATIONS TO FLORIDA PERMANENT REFERENCE NETWORK STATION "CRAIG" (KREG).
- 6) THE SCOPE AND LIMITS OF THE SURVEY WERE DEFINED BY THE CLIENT.
- 7) THE UNDERGROUND UTILITIES SHOWN HEREON WERE DESIGNATED BY F.R. ALEMAN AND ASSOCIATES, INC.

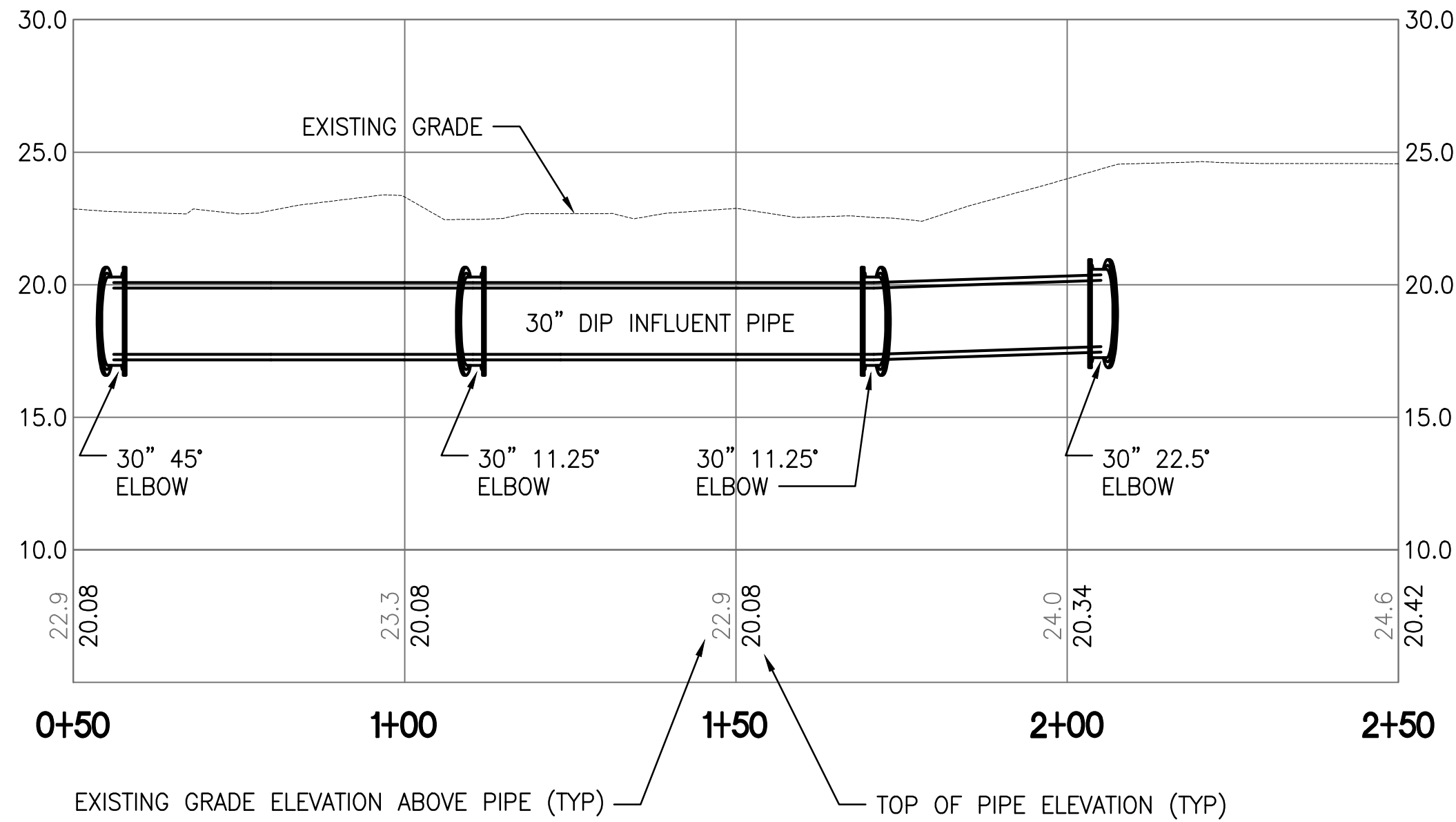
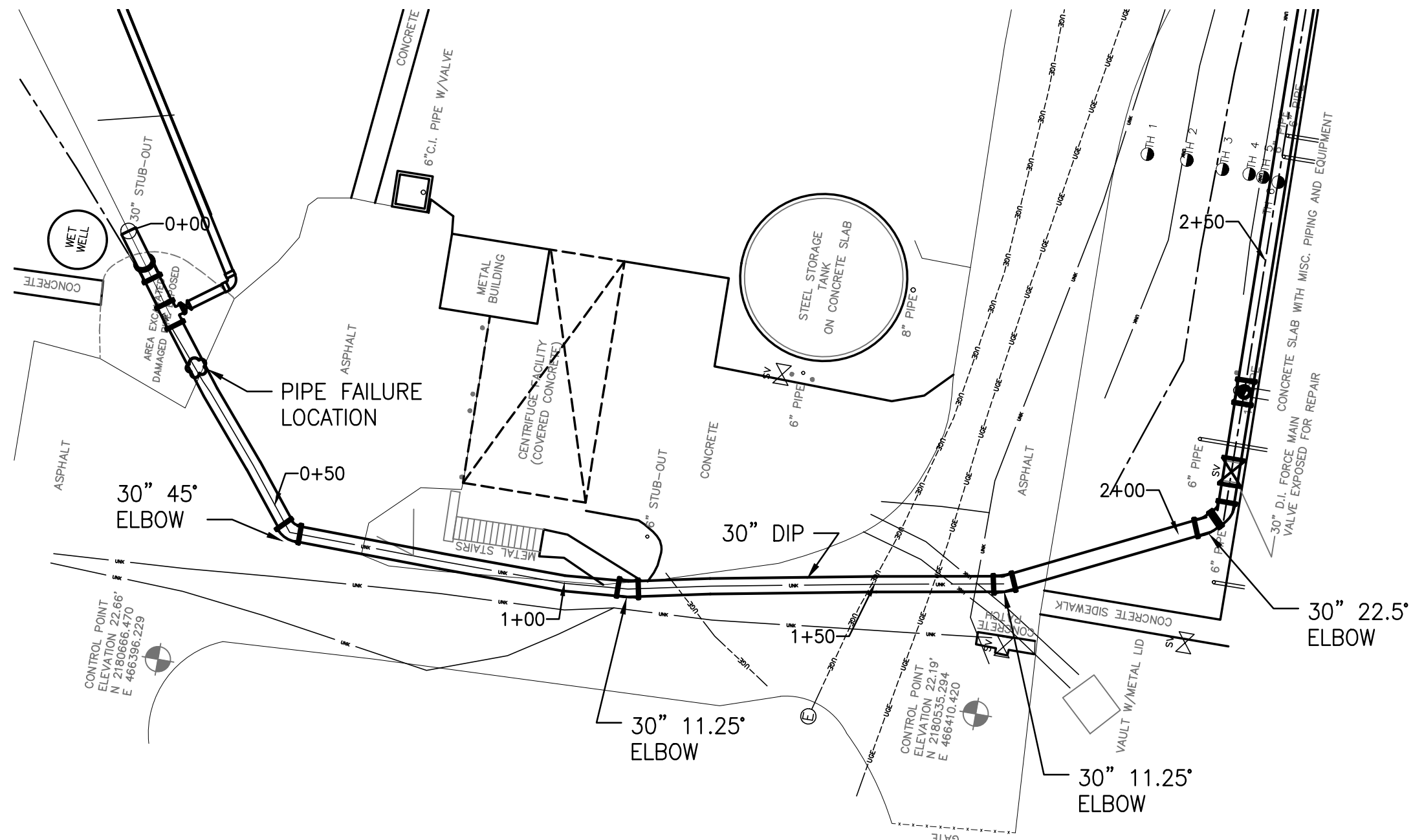
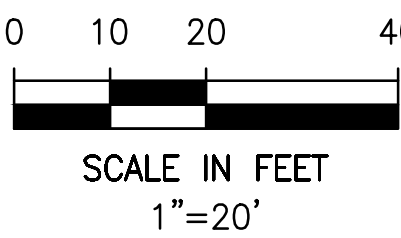
GRAPHIC SCALE



NOTE:

ALL PIPING SHOWN IS EXISTING.
THE PIPING SHOWN BOLD WAS
SPECIFICALLY INVESTIGATED TO
HELP DETERMINE ITS LOCATION.

GRAPHIC SCALE



69835
MONTEREY WWTF
INFLUENT PIPE

JONES EDMUNDS
1100 CERRY BLVD. SUITE 100
JACKSONVILLE, FL 32211 / 904.744.5401
CERTIFICATE OF AUTHORIZATION #181

REVISIONS	
NO.	DATE
6.	
5.	
4.	
3.	
2.	
1.	

DESIGN ENGINEER	
ANTHONY R. HOLMES	
FLORIDA REGISTRATION NO.	
70909	

DESIGNER	
ANTHONY R. HOLMES	
FLORIDA REGISTRATION NO.	
70909	

30" INFLUENT PIPE	
MONTEREY WWTF	
JACKSONVILLE, FLORIDA	

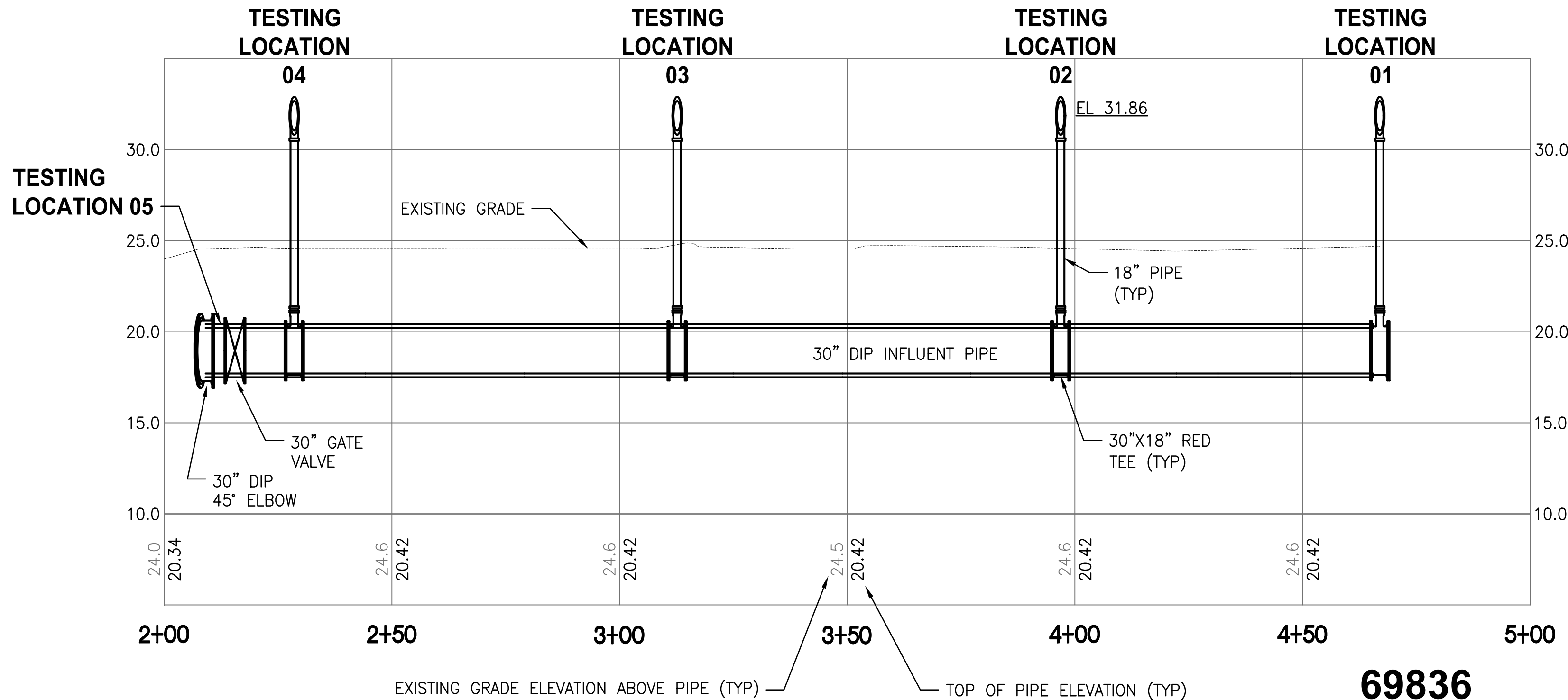
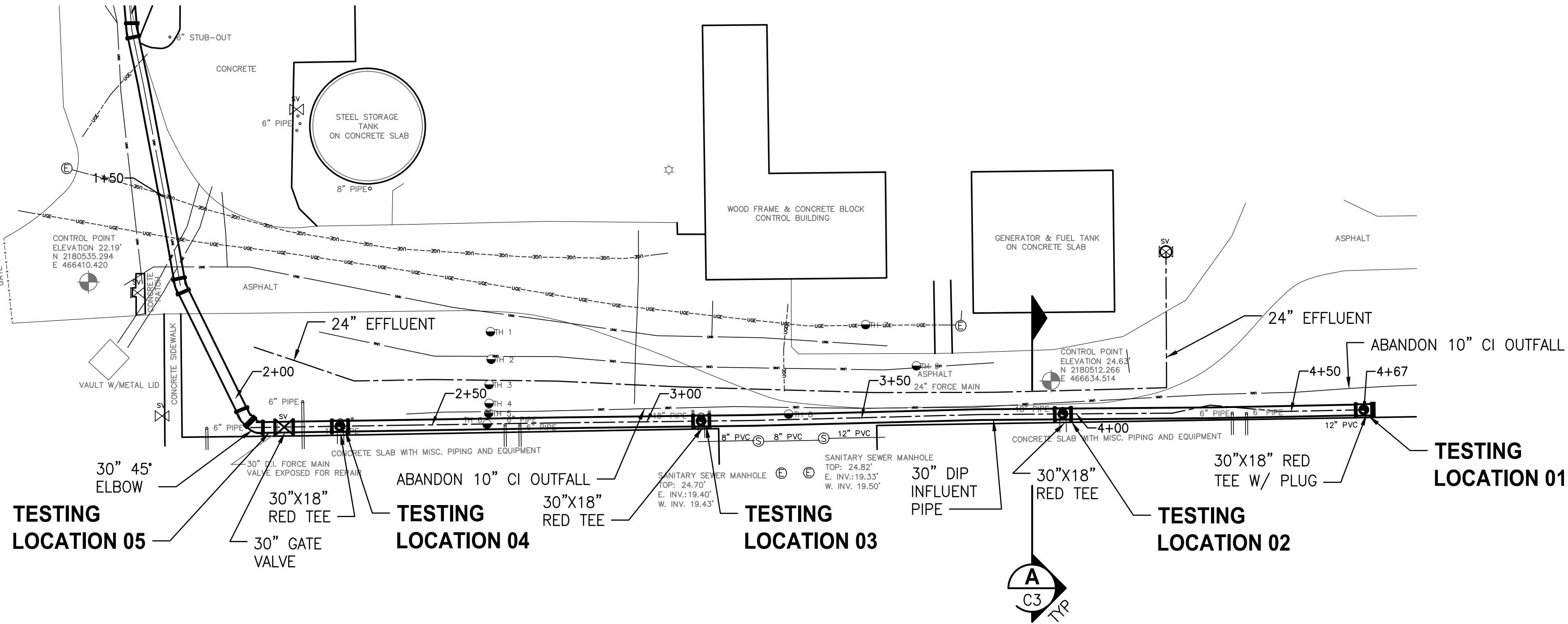
PROJ. NO.	
09302-046-01	
DATE:	
MAY 2016	
SCALE:	
1"=20' H	
1"=5' V	

NO. SHEETS	
3	
SHEET NO.	
C1	
DRAWING NO.	

TEST HOLE	UTILITY	DESCRIPTION	GROUND ELEV.	TOP OF OBJECT ELEV.
1	UNK	1 1/4" PVC PIPES	23.66	23.11
2	UNK	(2) 4" PVC PIPES	24.01	19.43
3	SEWER FM	24" D.I. PIPE	24.34	20.33
4	UNK	10" C.I. PIPE	24.59	19.89
5	UNK	6" PVC PIPE	24.65	21.38
6	SEWER FM	30" D.I. PIPE	24.67	20.21
7	ELECTRIC	(2) 4" PVC PIPES	24.69	20.56
8	ELECTRIC	CONC. DUCT EAST EDGE	24.83	23.06
9	UNK	6" C.I. PIPE	24.59	22.24

UNK - DENOTES UNKNOWN
C.I. - DENOTES CAST IRON
D.I. - DENOTES DUCTILE IRON

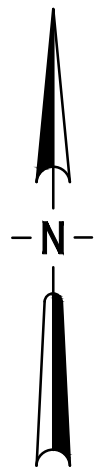
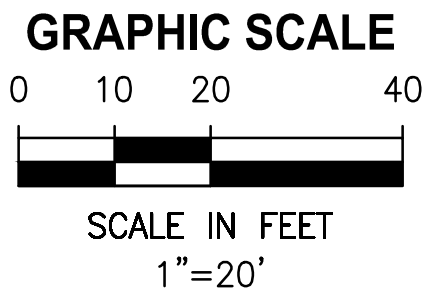
INFORMATION BASED ON TEST HOLES COMPLETED BY F.R. ALEMAN & ASSOCIATES



69836
MONTEREY WWTF
INFLUENT PIPE

NOTE:

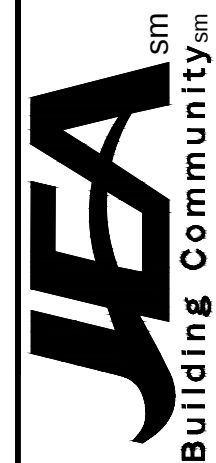
ALL PIPING SHOWN IS EXISTING.
THE PIPING SHOWN BOLD WAS
SPECIFICALLY INVESTIGATED TO
HELP DETERMINE ITS LOCATION.



1100 CERRY BLVD., SUITE 100, JACKSONVILLE, FL 32211 / 904.744.5401

NO.	BY	DATE	REVISIONS
6.			
5.			
4.			
3.			
2.			
1.			

DESIGNER:	ANOLMES	DESIGN ENGINEER	ANTHONY R. HOLMES
DRAWN BY:	KRAMER		
DATE:	MAY 2016		
CHECKED BY:	OPPERINE		
DATE:	MAY 2016		



30" INFLUENT PIPE
MONTEREY WWTF
JACKSONVILLE, FLORIDA

PROJ. NO.	09302-046-01
DATE:	MAY 2016
SCALE:	1"=20' H 1"=5' V
NO. SHEETS	3
SHEET NO.	C2
DRAWING NO.	



TESTING LOCATION	TEST POSITION ON PIPE					
	0	1	2	3	4	5
01	57"	29"	27"	53"	98"	242"
02	55"	23"	26"	50"	91"	219"
03	62"	22"	24"	49"	91"	227"
04	56"	30"	22"	47"	89"	224"
05						

TYP. SECTION **A**
1/4"=1'-0" **C2**

TESTING LOCATION 01						
18-INCH DIP, ORIGINAL WALL THICKNESS OF 0.44-INCHES						
ID	MEAS 1	UNITS	MEAS 2	UNITS	FLAGS	SETUP
0A	0.429	IN	0	IN	M---F	2
0B	0.421	IN	0	IN	M---F	2
0C	0.433	IN	0	IN	M---F	2
0D	0.464	IN	0	IN	M---F	2
0E	0.464	IN	0.005	IN	M---F	2
0F	0.481	IN	0	IN	M---F	2
0G	0.463	IN	0.013	IN	M---F	2
0H	0.447	IN	0	IN	M---F	2
0I	0.43	IN	0	IN	M---F	2
1A	0.436	IN	0	IN	M---F	2
1B	0.407	IN	0.008	IN	M---F	2
1C	0.416	IN	0.005	IN	M---F	2
1D	0.437	IN	0.005	IN	M---F	2
1E	0.494	IN	0	IN	M---F	2
1F	0.486	IN	0.005	IN	M---F	2
1G	0.481	IN	0	IN	M---F	2
1H	0.456	IN	0	IN	M---F	2
1I	0.419	IN	0.005	IN	M---F	2
2A	0.484	IN	0.005	IN	M---F	2
2B	0.487	IN	0.005	IN	M---F	2
2C	0.442	IN	0.006	IN	M---F	2
2D	0.32	IN	0.006	IN	M---F	2
2E	0.326	IN	0	IN	M---F	2
2F	0.294	IN	0.012	IN	M---F	2
2G	0.355	IN	0.012	IN	M---F	2
2H	0.496	IN	0	IN	M---F	2
2I	0.479	IN	0.006	IN	M---F	2
3A	0.456	IN	0.014	IN	M---F	2
3B	0.473	IN	0.005	IN	M---F	2
3C	0.371	IN	0.005	IN	M---F	2
3D	0.326	IN	0.005	IN	M---F	2
3E	0.359	IN	0.008	IN	M---F	2
3F	0.492	IN	0	IN	M---F	2
3G	0.469	IN	0.006	IN	M---F	2
3H	0.466	IN	0.005	IN	M---F	2
3I	0.486	IN	0	IN	M---F	2
4A	0.566	IN	0	IN	M---F	2
4B	0.557	IN	0.005	IN	M---F	2
4C	0.477	IN	0	IN	M---F	2
4D	0.541	IN	0.01	IN	M---F	2
4E	0.403	IN	0.005	IN	M---F	2
4F	0.488	IN	0.005	IN	M---F	2
4G	0.489	IN	0	IN	M---F	2
4H	0.519	IN	0.005	IN	M---F	2
4I	0.624	IN	0.005	IN	M---F	2
5A	0.515	IN	0.005	IN	M---F	2
5B	0.494	IN	0.005	IN	M---F	2
5C	0.409	IN	0	IN	M---F	2
5D	0.341	IN	0	IN	M---F	2
5E	0.459	IN	0.009	IN	M---F	2
5F	0.347	IN	0.006	IN	M---F	2
5G	0.354	IN	0.006	IN	M---F	2
5H	0.326	IN	0.005	IN	M---F	2
5I	0.5	IN	0.005	IN	M---F	2

TESTING LOCATION 02						
18-INCH DIP, ORIGINAL WALL THICKNESS OF 0.44-INCHES						
ID	MEAS 1	UNITS	MEAS 2	UNITS	FLAGS	SETUP
0A	0.49	IN	0	IN	M---F	2
0B	0.483	IN	0	IN	M---F	2
0C	0.485	IN	0.005	IN	M---F	2
0D	0.526	IN	0	IN	M---F	2
0E	0.473	IN	0.005	IN	M---F	2
0F	0.474	IN	0	IN	M---F	2
0G	0.503	IN	0.005	IN	M---F	2
0H	0.497	IN	0.005	IN	M---F	2
0I	0.492	IN	0	IN	M---F	2
1A	0.467	IN	0.006	IN	M---F	2
1B	0.485	IN	0	IN	M---F	2
1C	0.472	IN	0.005	IN	M---F	2
1D	0.475	IN	0	IN	M---F	2
1E	0.461	IN	0.006	IN	M---F	2
1F	0.476	IN	0	IN	M---F	2
1G	0.468	IN	0	IN	M---F	2
1H	0.456	IN	0.005	IN	M---F	2
1I	0.46	IN	0.006	IN	M---F	2
2A	0.474	IN	0.005	IN	M---F	2
2B	0.479	IN	0.006	IN	M---F	2
2C	0.49	IN	0.005	IN	M---F	2
2D	0.449	IN	0	IN	M---F	2
2E	0.475	IN	0.006	IN	M---F	2
2F	0.494	IN	0	IN	M---F	2
2G	0.493	IN	0	IN	M---F	2
2H	0.483	IN	0	IN	M---F	2
2I	0.481	IN	0.005	IN	M---F	2
3A	0.444	IN	0	IN	M---F	2
3B	0.44	IN	0.005	IN	M---F	2
3C	0.456	IN	0	IN	M---F	2
3D	0.44	IN	0.005	IN	M---F	2
3E	0.448	IN	0	IN	M---F	2
3F	0.448	IN	0	IN	M---F	2
3G	0.45	IN	0.005	IN	M---F	2
3H	0.461	IN	0	IN	M---F	2
3I	0.448	IN	0	IN	M---F	2
4A	0.568	IN	0.005	IN	M---F	2
4B	0.565	IN	0	IN	M---F	2
4C	0.558	IN	0	IN	M---F	2
4D	0.562	IN	0	IN	M---F	2
4E	0.564	IN	0.005	IN	M---F	2
4F	0.557	IN	0	IN	M---F	2
4G	0.556	IN	0.005	IN	M---F	2
4H	0.549	IN	0.005	IN	M---F	2
4I	0.548	IN	0.005	IN	M---F	2
5A	0.475	IN	0.011	IN	M---F	2
5B	0.487	IN	0.005	IN	M---F	2
5C	0.496	IN	0	IN	M---F	2
5D	0.457	IN	0.005	IN	M---F	2
5E	0.484	IN	0	IN	M---F	2
5F	0.485	IN	0.006	IN	M---F	2
5G	0.497	IN	0.006	IN	M---F	2
5H	0.481	IN	0.006	IN	M---F	2
5I	0.483	IN	0.005	IN	M---F	2

TESTING LOCATION 03						
18-INCH DIP, ORIGINAL WALL THICKNESS OF 0.44-INCHES						
ID	MEAS 1	UNITS	MEAS 2	UNITS	FLAGS	SETUP
0A	0.46	IN	0	IN	M---F	2
0B	0.463	IN	0.006	IN	M---F	2
0C	0.466	IN	0.006	IN	M---F	2
0D	0.525	IN	0	IN	M---F	2
0E	0.47	IN	0	IN	M---F	2
0F	0.459	IN	0	IN	M---F	2
0G	0.499	IN	0.006	IN	M---F	2
0H	0.486	IN	0	IN	M---F	2
0I	0.489	IN	0.006	IN	M---F	2
1A	0.451	IN	0	IN	M---F	2
1B	0.456	IN	0	IN	M---F	2
1C	0.467	IN	0	IN	M---F	2
1D	0.503	IN	0	IN	M---F	2
1E	0.51	IN	0	IN	M---F	2
1F	0.531	IN	0	IN	M---F	2
1G	0.534	IN	0.006	IN	M---F	2
1H	0.536	IN	0	IN	M---F	2
1I	0.515	IN	0.006	IN	M---F	2
2A	0.497	IN	0.006	IN	M---F	2
2B	0.512	IN	0	IN	M---F	2
2C	0.483	IN	0	IN	M---F	2
2D	0.487	IN	0	IN	M---F	2
2E	0.519	IN	0	IN	M---F	2
2F	0.493	IN	0.006	IN	M---F	2
2G	0.505	IN	0	IN	M---F	2
2H	0.482	IN	0.006	IN	M---F	2
2I	0.532	IN	0	IN	M---F	2
3A	0.062	IN	0.016	IN	M---F	2
3B	0.503	IN	0	IN	M---F	2
3C	0.513	IN	0	IN	M---F	2
3D	0.492	IN	0	IN	M---F	2
3E	0.446	IN	0.011	IN	M---F	2
3F	0.518	IN	0.012	IN	M---F	2
3G	0.47	IN	0	IN	M---F	2
3H	0.461	IN	0.013	IN	M---F	2
3I	0.47	IN	0.011	IN	M---F	2
4A	0.492	IN	0	IN	M---F	2
4B	0.472	IN	0.009	IN	M---F	2
4C	0.499	IN	0	IN	M---F	2
4D	0.512	IN	0	IN	M---F	2
4E	0.474	IN	0.011	IN	M---F	2
4F	0.471	IN	0.013	IN	M---F	2
4G	0.469	IN	0.012	IN	M---F	2
4H	0.513	IN	0	IN	M---F	2
4I	0.497	IN	0	IN	M---F	2
5A	0.471	IN	0.006	IN	M---F	2
5B	0.482	IN	0	IN	M---F	2
5C	0.477	IN	0	IN	M---F	2
5D	0.494	IN	0	IN	M---F	2
5E	0.475	IN	0	IN	M---F	2
5F	0.459	IN	0	IN	M---F	2
5G	0.447	IN	0.013	IN	M---F	2
5H	0.492	IN	0	IN	M---F	2
5I	0.465	IN	0.006	IN	M---F	2

TESTING LOCATION 04						
18-INCH DIP, ORIGINAL WALL THICKNESS OF 0.44-INCHES						
ID	MEAS 1	UNITS	MEAS 2	UNITS	FLAGS	SETUP
0A	0.436	IN	0.006	IN	M---F	2
0B	0.443	IN	0.006	IN	M---F	2
0C	0.457	IN	0	IN	M---F	2
0D	0.45	IN	0	IN	M---F	2
0E	0.445	IN	0.005	IN	M---F	2
0F	0.449	IN	0.006	IN	M---F	2
0G	0.438	IN	0.005	IN	M---F	2
0H	0.449	IN	0.005	IN	M---F	2
0I	0.451	IN	0	IN	M---F	2
1A	0.469	IN	0.005	IN	M---F	2
1B	0.471	IN	0.005	IN	M---F	2
1C	0.466	IN	0.005	IN	M---F	2
1D	0.482	IN	0.006	IN	M---F	2
1E	0.49	IN	0	IN	M---F	2
1F	0.474	IN	0.005	IN	M---F	2
1G	0.471	IN	0.005	IN	M---F	2
1H	0.471	IN	0.005	IN	M---F	2
1I	0.485	IN	0.005	IN	M---F	2
2A	0.522	IN	0	IN	M---F	2
2B	0.5	IN	0.006	IN	M---F	2
2C	0.525	IN	0.005	IN	M---F	2
2D	0.498	IN	0.005	IN	M---F	2
2E	0.494	IN	0	IN	M---F	2
2F	0.51	IN	0	IN	M---F	2
2G	0.509	IN	0	IN	M---F	2
2H	0.504	IN	0	IN	M---F	2
2I	0.505	IN	0	IN	M---F	2
3A	0.537	IN	0	IN	M---F	2
3B	0.528	IN	0.005	IN	M---F	2
3C	0.532	IN	0	IN	M---F	2
3D	0.524	IN	0.005	IN	M---F	2
3E	0.517	IN	0.005	IN	M---F	2
3F	0.505	IN	0.005	IN	M---F	2
3G	0.511	IN	0.006	IN	M---F	2
3H	0.509	IN	0.013	IN	M---F	2
3I	0.51	IN	0.005	IN	M---F	2
4A	0.446	IN	0.005	IN	M---F	2
4B	0.464	IN	0	IN	M---F	2