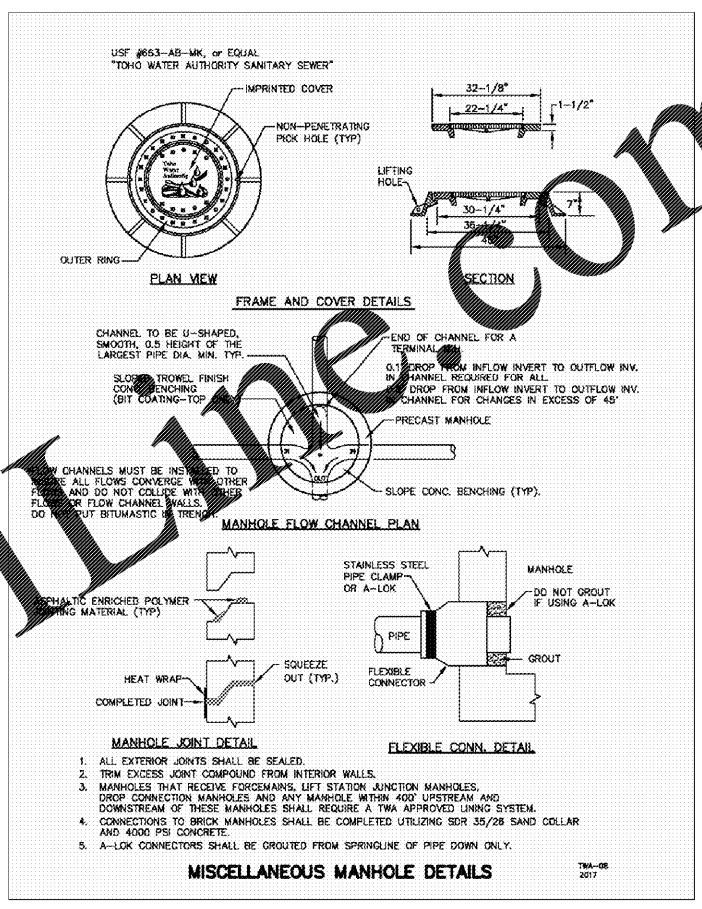
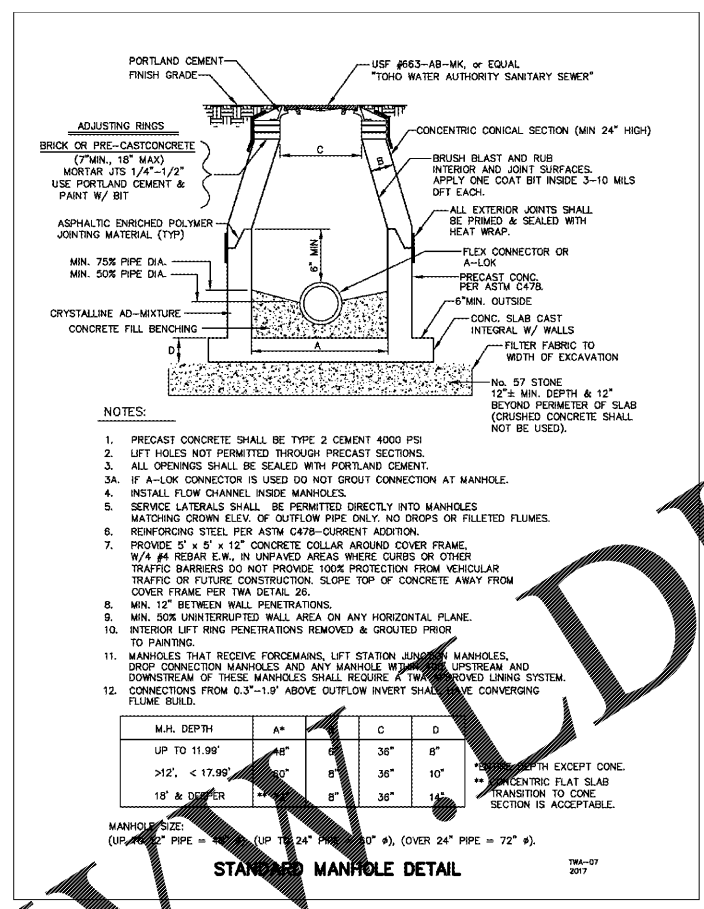
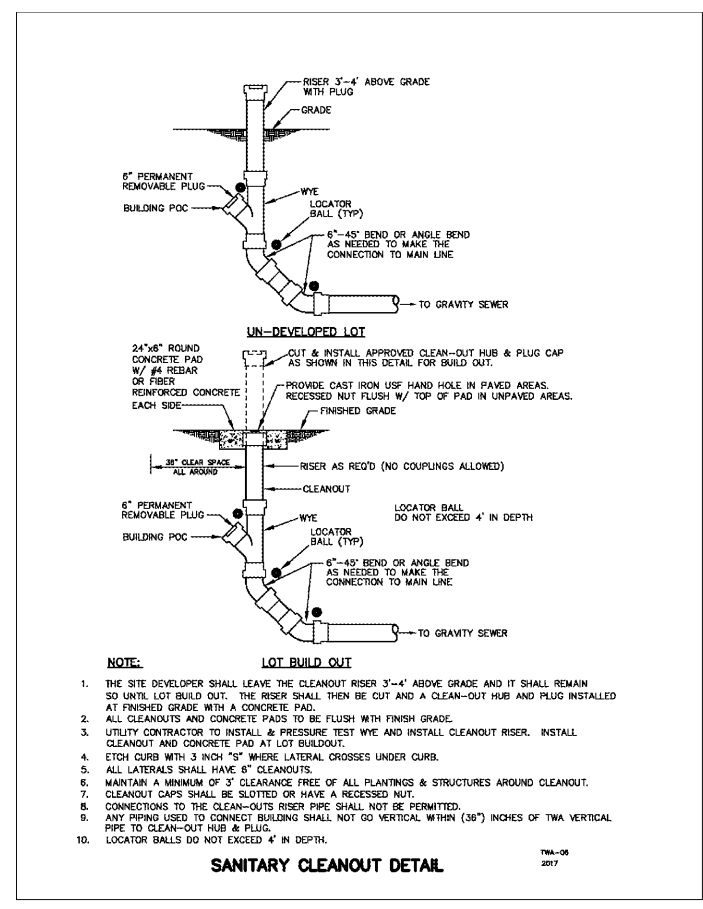
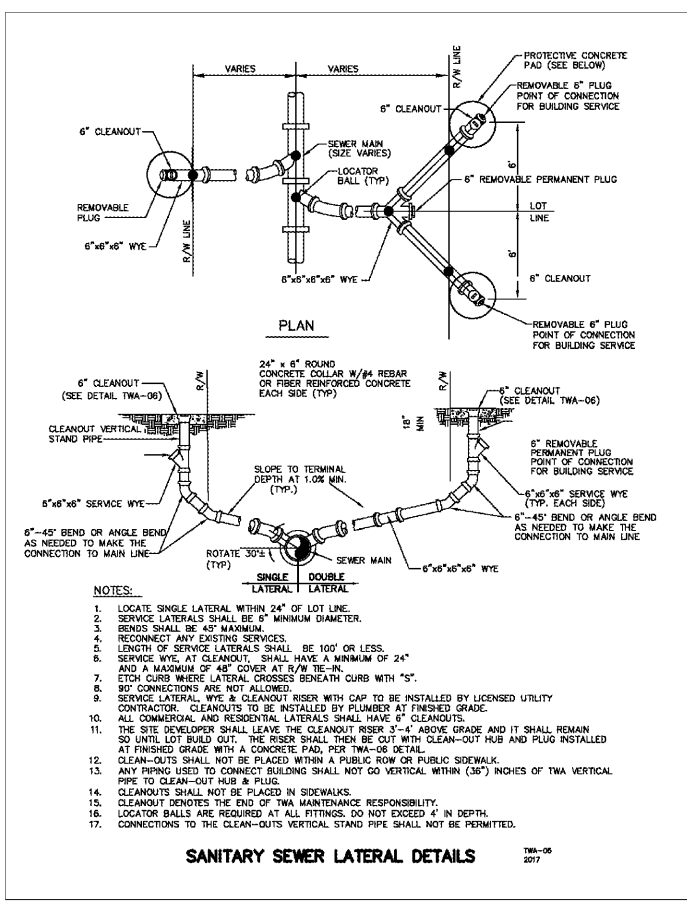


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USE THIS THRUST RESTRAINT TABLE FOR THESE TRENCH CONDITIONS:  
 --- MIN. 50% SOIL RETAINED ON No. 200 SIEVE.  
 --- MIN. 95% COMPACTION, AASHTO T-180.  
 --- MIN. 3" OF COVER.

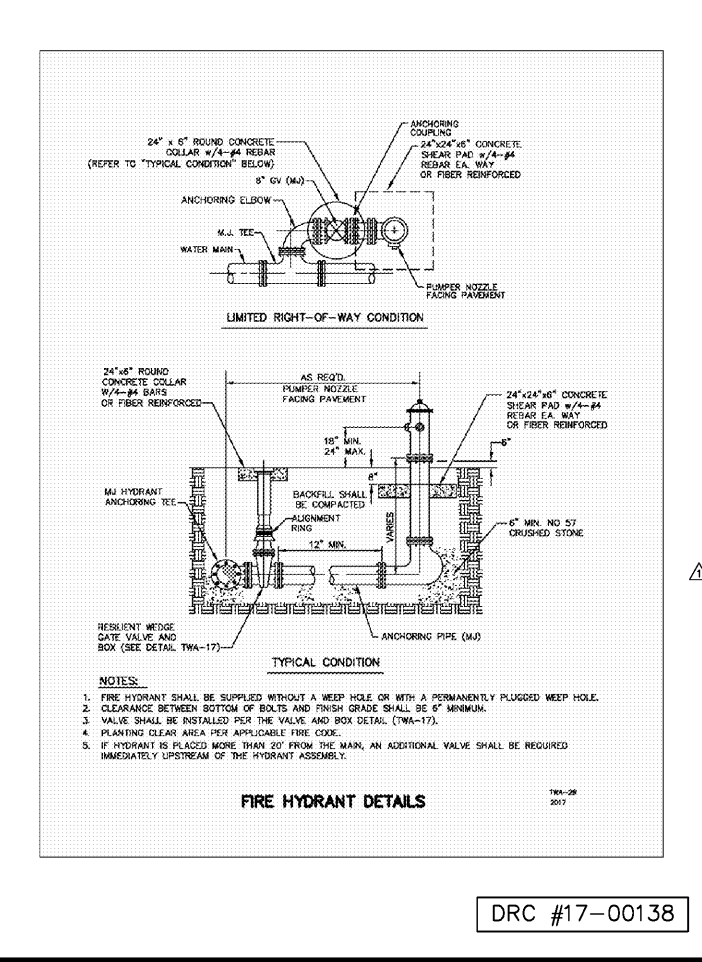
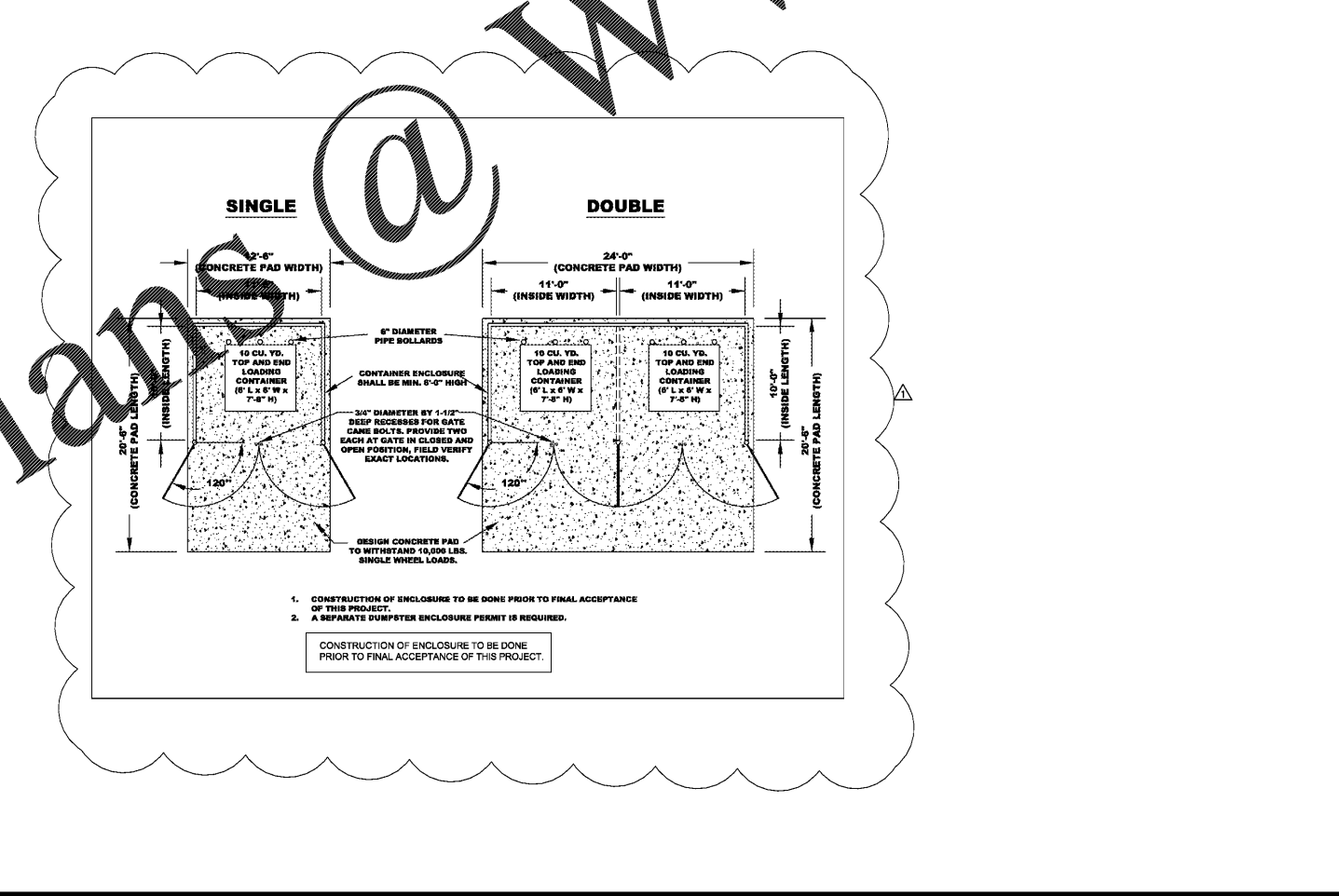
NUMBER OF FULL LENGTH RESTRAINED PIPE SECTIONS REQUIRED AT ALL FITTINGS AND VALVE JOINTS

SIZE IN.	BENDS						VERTICAL BENDS	DEAD END	CROSS OR VALVE	TEE	BRANCH
	90°	45°	22-1/2°	11-1/4°	VERTICAL BENDS	DEAD END					
4	1	1	1	1	1	1	1	1	1	1	2
6	1	2	1	1	1	1	1	2	2	3	1
8	1	2	1	1	1	1	1	2	2	4	1
10	2	2	1	1	1	1	1	2	3	5	1
12	2	3	1	1	1	1	1	2	3	6	1
14	2	3	1	1	1	1	1	2	3	7	1
16	2	3	1	1	1	1	1	2	3	8	1
18	2	3	1	1	1	1	1	3	4	9	1
20	2	3	1	1	1	1	1	3	4	10	1
24	3	4	1	1	1	1	1	3	4	11	1
30	3	4	2	1	1	1	1	4	5	12	1

WHERE CONDITIONS VARY FROM THOSE STATED ABOVE, HAVE A FLORIDA REGISTERED PROFESSIONAL ENGINEER DETERMINE THE REQUIRED RESTRAINED LENGTH OF PIPING.

- WATER MAIN AND REUSE MAIN TEST PRESSURE 150 PSI MINIMUM.
- SANITARY FORCE MAIN PRESSURE PIPE 100 PSI MINIMUM.
- RESTRAIN THROUGH VALVING.
- ALL FITTINGS AND VALVES SHALL BE RESTRAINED AT LEAST ONE (1) FULL LENGTH OF PIPE IN ALL DIRECTIONS.
- PRESSURE CONNECTIONS SHALL BE TREATED AS VALVES.

THIS TABLE INCLUDES A SAFETY FACTOR ABOVE THE LISTED TEST PRESSURES.



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FLORIDA

DETAILS  
 KISSIMMEE 7-ELEVEN #38227  
 SW C/O CARROLL ST. AND DYER BLVD.  
 KISSIMMEE, FL 34741  
 OSCEOLA COUNTY

ANDREW J. PETERSEN  
 LICENSE NO. 75493  
 01/03/2018  
 PLAN STATUS  
 12/19/17 AGENCY COMMENTS

DATE	DESCRIPTION
AW DESIGN	EC AJP
SCALE	CHKD NONE
JOB No.	010063-02-087
DATE	01/03/2018
FILED	010063-02-02-087-10-010-010-010

DRC #17-00138

SHEET **D3.0**