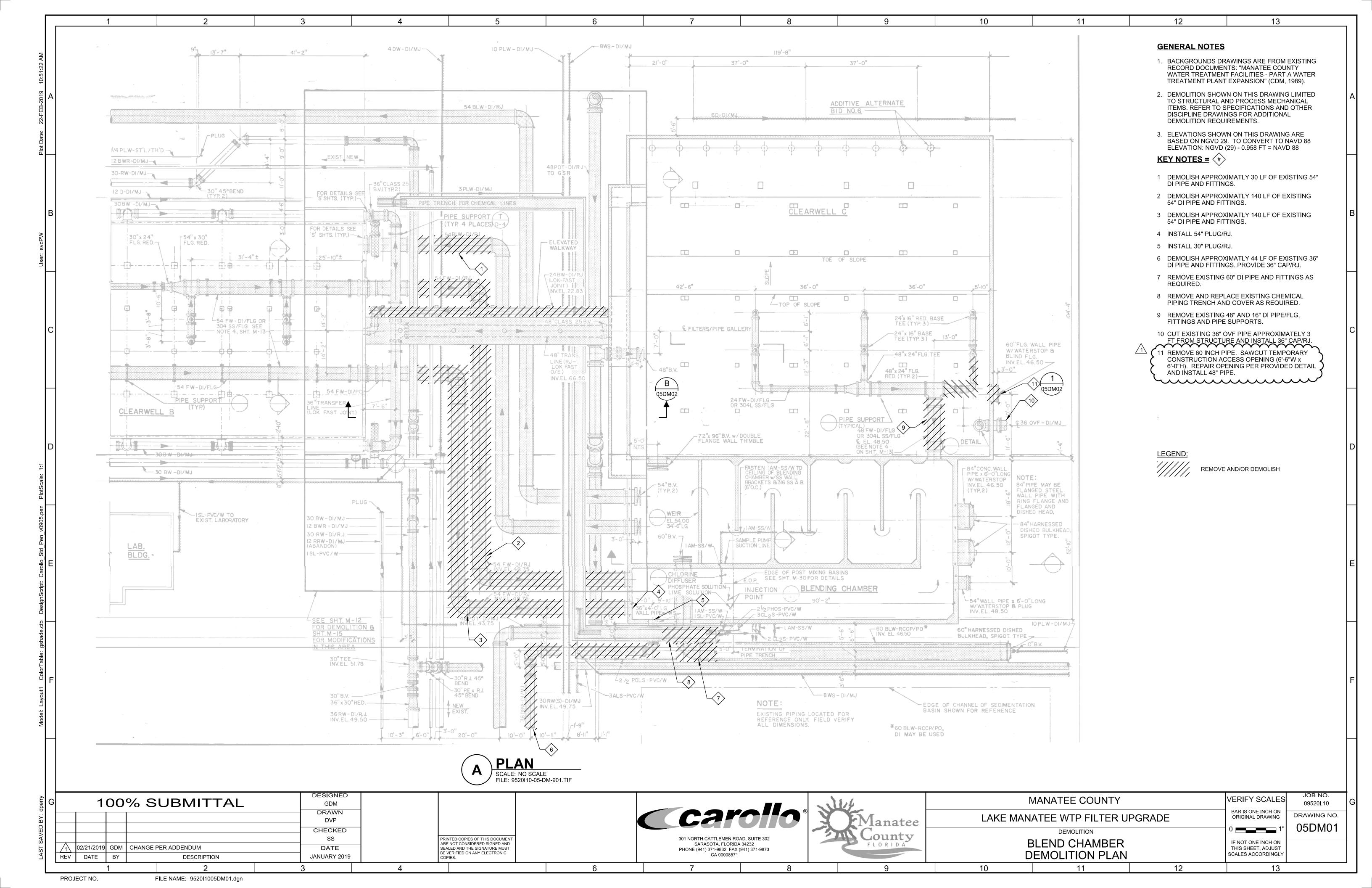
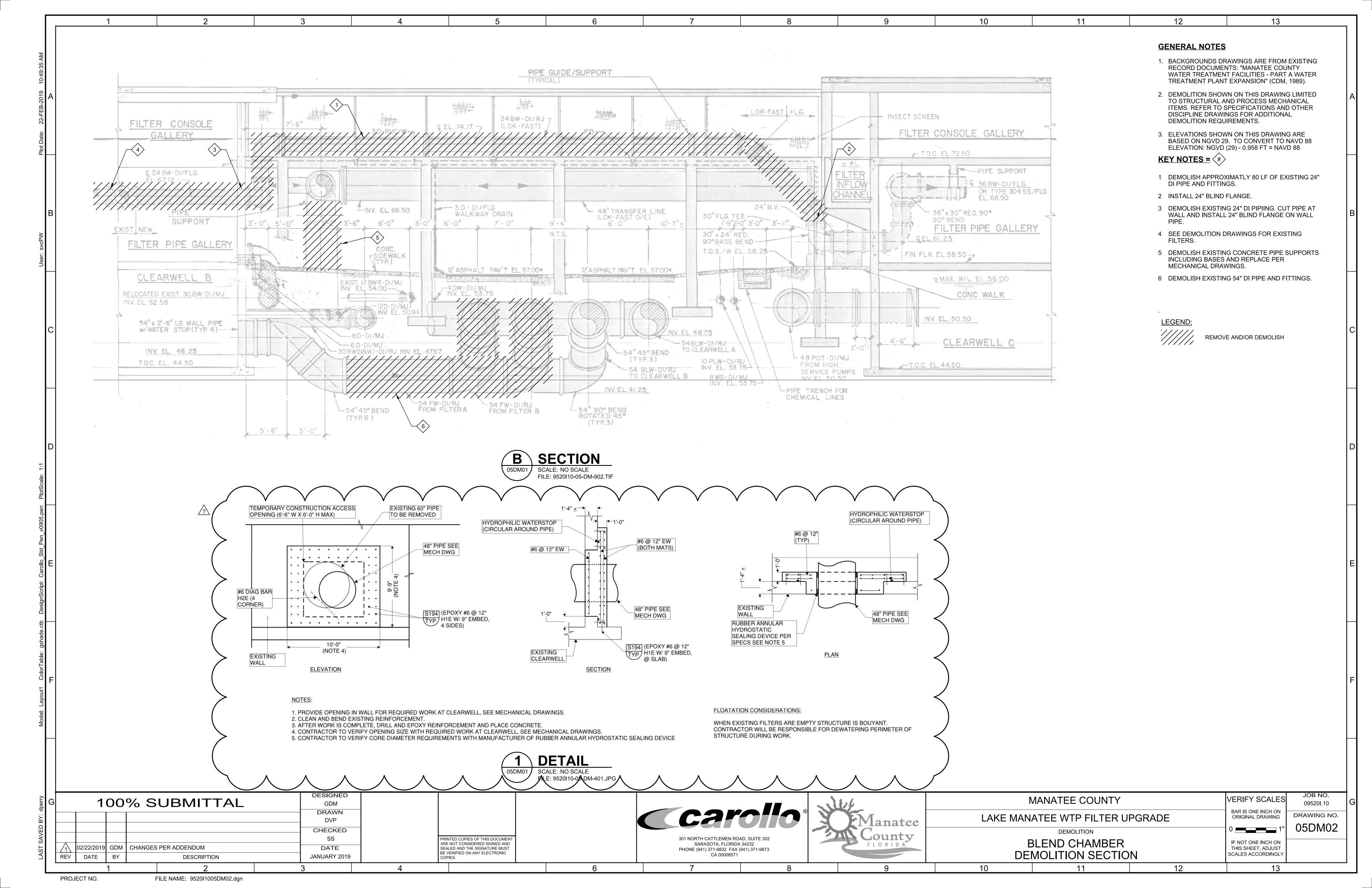


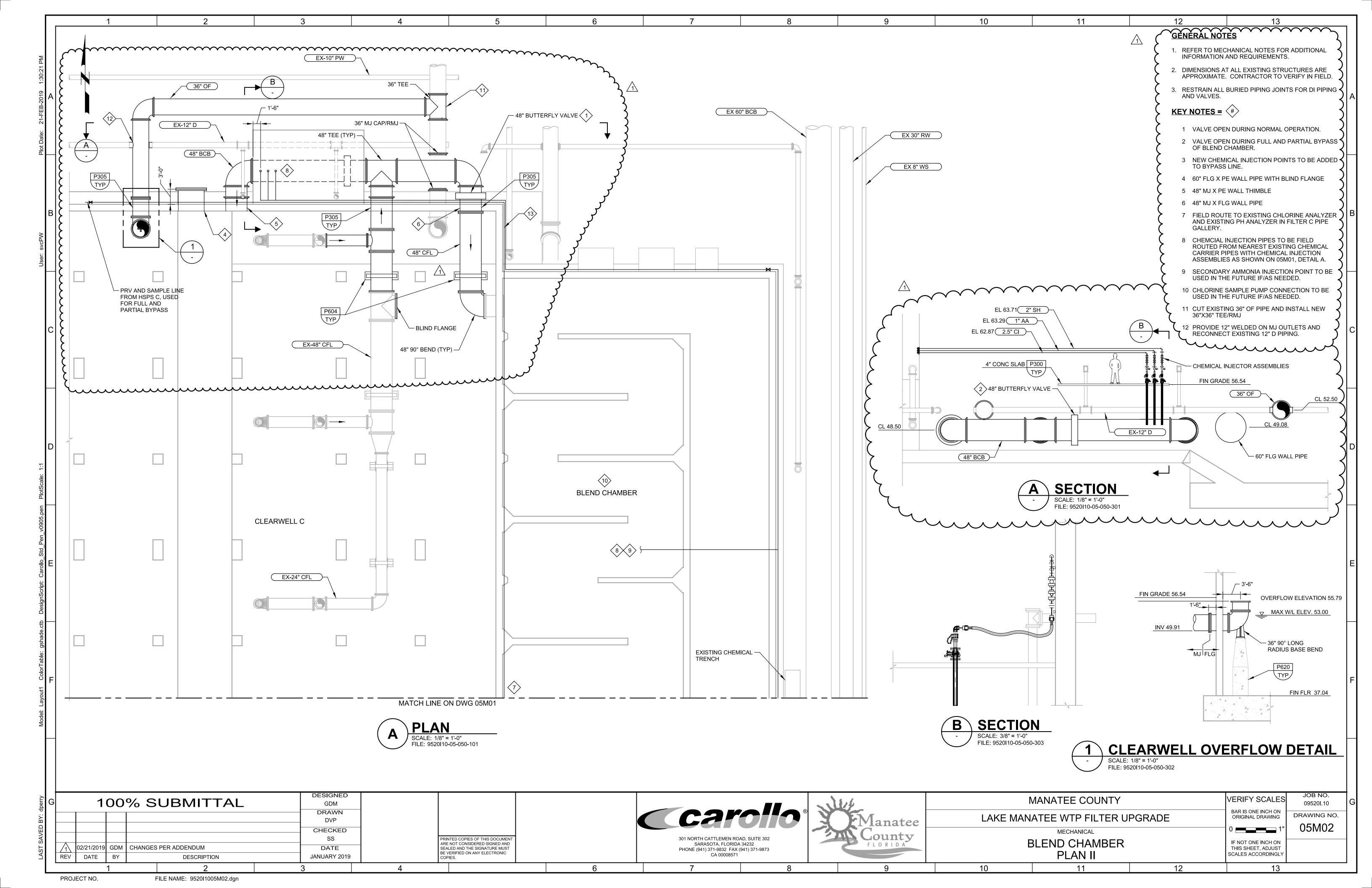
PIPE SCHEDULE							
ABBREVIATION	DESCRIPTION/SERVICE	MATERIAL	THICKNESS	TESTING METHOD	TEST PRESSURE (PSI)	LINING	COATING
AA	ANHYDROUS AMMONIA	316L SST	SCH 10S	HH	150	NONE	NONE
AS	AIR SCOUR	316L SST	SCH 10S	AM	125	NONE	NONE
BCB	BLEND CHAMBER BYPASS	DI	200	HH	125	CM	PEE
BLW	BLENDED WATER	DI	200	HH	125	CM	PEE
BWR	BACKWASH WATER	DI	200	HH	125	NONE	NONE
BWS	BACKWASH SUPPLY	316L SST	SCH 10S	HH	125	NONE	NONE
CA	CITRIC ACID	PVC	SCH 80	HH	150	NONE	NOTE 3
CBS	CHEMICAL BUILDING TANK SUPPLY	316L SST	SCH 10S	HH	125	NONE	NONE
CD	CHEMICAL DRAIN (ABOVE GROUND)	CPVC	SCH 80	GR	NA	NONE	NOTE 3
CFL	CONVENTIONAL MEDIA FILTER FILTRATE	DI	200	GR	NA	СМ	PEE
СН	CALCIUM HYDROXIDE (LIME)	CPVC	SCH 80	НН	150	NONE	NOTE 3
CI	CORROSION INHIBITOR	CPVC	SCH 80	НН	150	NONE	NOTE 3
CPA	COMPRESSED AIR FOR MIT, PNEUMATIC VALVES, AND MEMBRANE TRAIN EJECTORS	316L SST	SCH 10S	AM	50	NONE	NONE
CIP	CLEAN IN PLACE	PVC	SCH 80	НН	150	NONE	NOTE 3
cs	CAUSTIC SODA	CPVC	SCH 80	НН	150	NONE	NOTE 3
D	DRAIN	CPVC	SCH 80	GR	NA	NONE	NOTE 3
	DRAIN (BURIED 6" AND 16" FROM WASTE EQUALIZATION TANK TO MANHOLE AND LS)	DI	200	GR	NA	CE	NONE
HCL	HYDROCHLORIC ACID	CPVC	SCH 80	НН	150	NONE	NOTE 3
HW	HOT WATER	PVC	SCH 80	НН	125	NONE	NOTE 3
F	FLOURIDE	CPVC	SCH 80	НН	150	NONE	NOTE 3
FPW	FIRE PROTECTION WATER (BELOW GROUND)	DI	200	НН	125	СМ	PEE
	FIRE PROTECTION WATER (ABOVE GROUND)	DI	200	НН	125	СМ	EPP
IX	ION EXCHANGE - SUPPLY AND SOFTENED WATER	CPVC	SCH 80	НН	125	NONE	NOTE 3
MFW	MEMBRANE FEED WATER	316L SST	SCH 10S	НН	125	NONE	NONE
MFL	MEMBRANE FILTRATE (ABOVE GROUND AND IN CLEARWELL)	316L SST	SCH 10S	НН	125	NONE	NONE
	MEMBRANE FILTRATE (BURIED 54" TO BLEND CHAMBER)	DI	200	HH	125	CM	PEE
	MEMBRANE FILTRATE (BURIED 14" TO PERMEATE STORAGE TANK)	PVC	SCH 80	HH	125	NONE	NONE
MWW	MEMBRANE WASTE WASHWATER	316L SST	SCH 10S	GR	NA	NONE	NONE
	MEMBRANE WASTE WASHWATER (BURIED)	DI	200	GR	NA	CM	PEE
NWW	NEUTRALIZED WASTE WATER	CPVC	SCH 80	HH	125	NONE	NOTE 3
	NEUTRALIZED WASTE WATER (BELOW GROUND TO EQ TANK)	HDPE	DR11	HH	125	NONE	NONE
	NEUTRALIZED WASTE WATER (STAND PIPE IN WASTE EQUALIZATION TANK)	DI	200	HH	125	CE	EPP
OF	OVERFLOW	DI	200	GR	NA	CE	NONE
PSTV	PERMEATE STORAGE TANK VENT	DI	200	GR	NA	CM	EPP
SBS	SODIUM BISULFITE	PVC	SCH 80	HH	150	NONE	NOTE 3
SH	SODIUM HYPOCHLORITE	PVC	SCH 80	HH	150	NONE	NOTE 3
UW	UTILITY WATER	PVC	SCH 80	HH	150	NONE	NOTE 3
WM	WATER MAIN	DI	200	HH	150	CM	PEE
WSFM	WASTE SUMP/PUMP STATION FORCE MAIN	PVC	SCH 80	HH	150	NONE	NONE

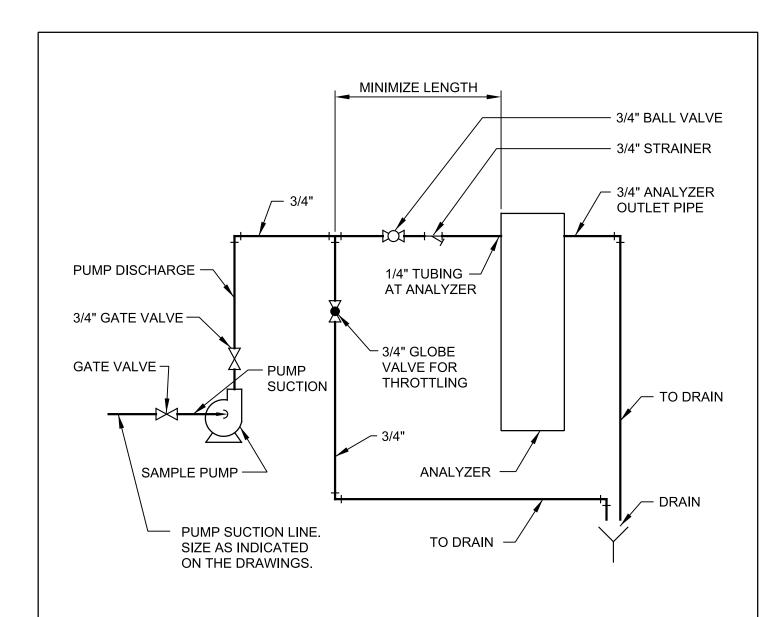
ABBREVIATIONS:

- 1. THE FOLLOWING ABBREVIATIONS USED IN THE COLUMN OF TEST METHOD REFER TO RESPECTIVE METHODS AS SPECIFIED IN SECTION 40\_05\_00.09
- AM AIR METHOD
- GR GRAVITY METHOD
- HH HIGH HEAD METHOD
- LH LOW HEAD METHOD
- SC SPECIAL CASE
- 2. ABBREVIATIONS TO DESIGNATE PIPING INCLUDE THE FOLLOWING:
- CE CERAMIC EPOXY
  CM CEMENT MORTAR
- CPVC CHLORINATED POLYVINYL CHLORIDE
- DI DUCTILE IRON
  EPP EPOXY POLYURETHANE
- HDPE HIGH-DENSITY POLYETHYLENE
- PEE POLYETHYLENE ENCASEMENT (PER SPECIFICATION 40\_05\_19.01)
- PVC POLYVINYL CHLORIDE
- SST STAINLESS STEEL
- 3. PER SPECIFICATION SECTION 09\_96\_01 FOR EXTERIOR, ABOVE GROUND PIPING





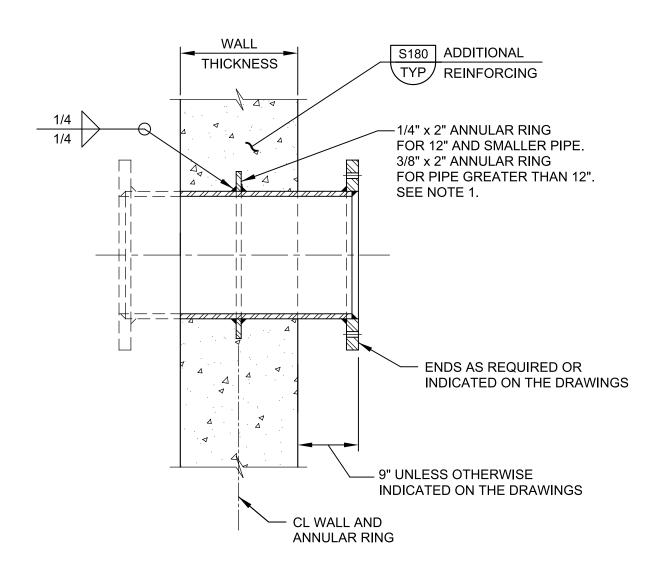




M263

SAMPLE PUMP TO ANALYZER PIPING





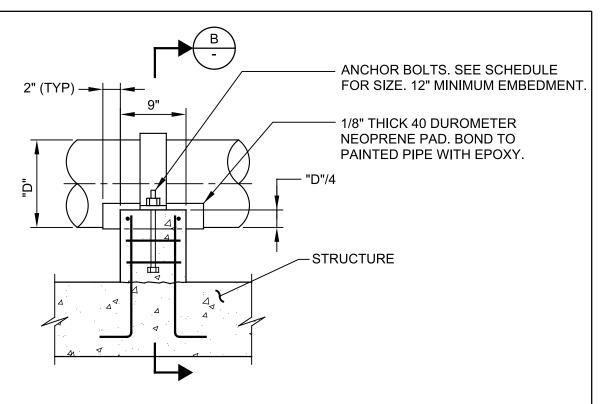
#### NOTE:

1. INSTALL ANNULAR RING ON PIPE SO THAT IT IS LOCATED AT CENTER OF WALL AND IN PLANE PARALLEL TO FACE OF WALL.

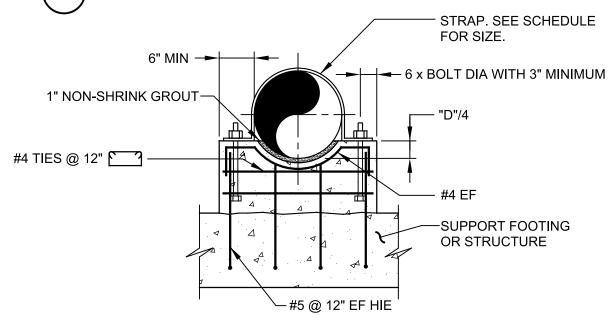
P310

WALL THIMBLE FOR STEEL PIPE





# A SECTION-SUPPORT AT STRUCTURE





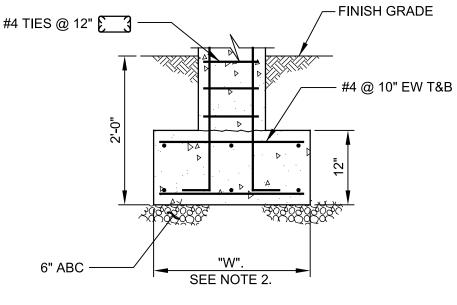
P602 CONCRETE PIPE SUPPORT

TYP

SHEET 1 OF 2

11/30/08







SCHEDULE						
PIPE SIZE	STRAP SIZE	ANCHOR BOLT DIA				
8" - 12"	FB 1/4" x 4"	1/2"				
14" - 24"	FB 5/16" x 4"	5/8"				
26" - 36"	FB 3/8" x 4"	3/4"				

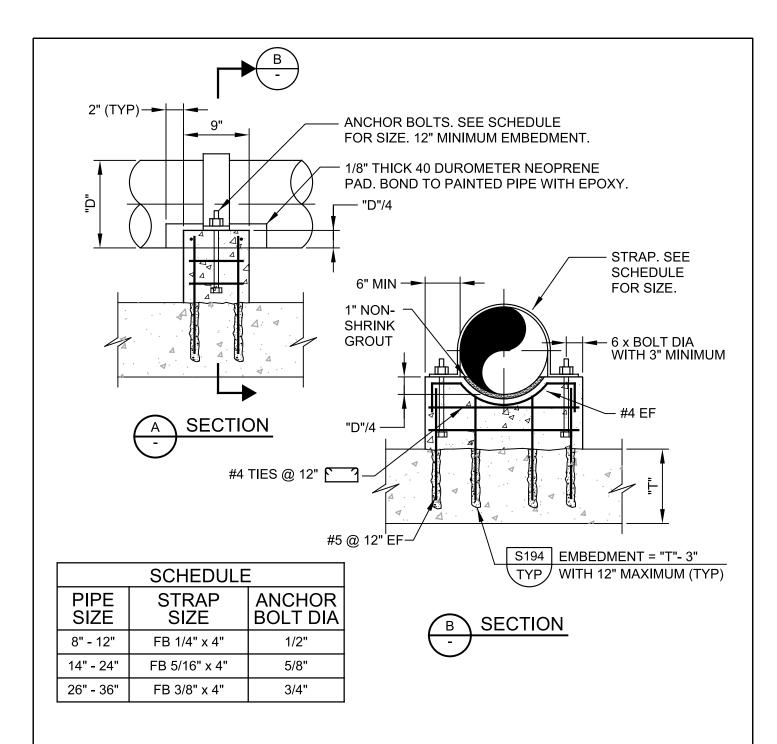
#### NOTES:

- 1. IF SUPPORT IS SUBMERGED OR LOCATED BELOW THE TOP OF WALL IN WATER BEARING STRUCTURE, MATERIAL FOR ANCHOR BOLTS AND STRAP SHALL BE STAINLESS STEEL. IN ALL OTHER AREAS, THE MATERIAL FOR ANCHOR BOLTS AND STRAP SHALL BE HOT-DIP GALVANIZED STEEL UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- 2. THE WIDTH OF THE FOOTING "W" = 2'-6". THE LENGTH OF THE FOOTING = "D" + 2'-0".

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## **CONCRETE PIPE SUPPORT**





### NOTES:

- 1. IF SUPPORT IS SUBMERGED OR LOCATED BELOW THE TOP OF WALL IN WATER BEARING STRUCTURE, MATERIAL FOR ANCHOR BOLTS AND STRAP SHALL BE STAINLESS STEEL. IN ALL OTHER AREAS, THE MATERIAL FOR ANCHOR BOLTS AND STRAP SHALL BE HOT-DIP GALVANIZED STEEL UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- 2. MIN "T" = 12".

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CONCRETE PIPE SUPPORT AT EXISTING STRUCTURE



