

Fort Worth District Drainage Standards

	Standard Name	Description	Associated Pay Items	Units	Comments		
Curb Inlets	I-CO (FTW)	Curb Inlet - Outside Pavement	465-6415	INLET (COMPL)(CO)(5 FT)(FTW)	EA		
			465-6416	INLET (COMPL)(CO)(10 FT)(FTW)	EA		
			465-6417	INLET (COMPL)(CO)(15 FT)(FTW)	EA		
			465-6418	INLET (COMPL)(CO)(20 FT)(FTW)	EA		
	I-CO-C (FTW)	Curb Inlet - Outside Pavement - on Box Sewer	465-6419	INLET (COMPL)(CO-C)(5 FT)(FTW)	EA	1) Inlet directly on box culvert pays as CO-C.	
			465-6420	INLET (COMPL)(CO-C)(10 FT)(FTW)	EA		
			465-6421	INLET (COMPL)(CO-C)(15 FT)(FTW)	EA		
			465-6422	INLET (COMPL)(CO-C)(20 FT)(FTW)	EA		
	I-CU (FTW)	Curb Inlet - Under Pavement	465-6423	INLET (COMPL)(CU)(5 FT)(FTW)	EA		
			465-6424	INLET (COMPL)(CU)(10 FT)(FTW)	EA		
			465-6425	INLET (COMPL)(CU)(15 FT)(FTW)	EA		
			465-6426	INLET (COMPL)(CU)(20 FT)(FTW)	EA		
	I-CU-C (FTW)	Curb Inlet - Under Pavement - on Box Sewer	465-6427	INLET (COMPL)(CU-C)(5 FT)(FTW)	EA	1) Inlet directly on box culvert pays as CU-C.	
			465-6428	INLET (COMPL)(CU-C)(10 FT)(FTW)	EA		
			465-6429	INLET (COMPL)(CU-C)(15 FT)(FTW)	EA		
			465-6430	INLET (COMPL)(CU-C)(20 FT)(FTW)	EA		
	I-C-OB (FTW)	Curb Inlet - Open Back	465-6431	INLET (COMPL)(COB)(5 FT)(FTW)	EA		
			465-6432	INLET (COMPL)(COB)(10 FT)(FTW)	EA		
			465-6433	INLET (COMPL)(COB)(15 FT)(FTW)	EA		
			465-6434	INLET (COMPL)(COB)(20 FT)(FTW)	EA		
	I-C-OB-C (FTW)	Curb Inlet - Open Back - on Box Sewer	465-6435	INLET (COMPL)(COB-C)(5 FT)(FTW)	EA	1) Inlet directly on box culvert pays as COB-C.	
			465-6436	INLET (COMPL)(COB-C)(10 FT)(FTW)	EA		
			465-6437	INLET (COMPL)(COB-C)(15 FT)(FTW)	EA		
			465-6438	INLET (COMPL)(COB-C)(20 FT)(FTW)	EA		
	Pavement Grate Inlets	I-FG (FTW)	Inlet - Frame-Grate (Match Pavement Surface)	465-6439	INLET (COMPL)(FG)(3FT X 3FT)(FTW)	EA	1) All free-standing inlets or risers are 3'x3'; base is variable. 2) Pay is based on riser dimension plus bottom dimension; free-standing inlet pays as 3'x3'. 3) Inlet directly on box culvert pays as FG-C.
				465-6440	INLET (COMPL)(FG)(4FT X 3FT-3FT X 3FT)(FTW)	EA	
				465-6441	INLET (COMPL)(FG)(4FT X 4FT-3FT X 3FT)(FTW)	EA	
				465-6442	INLET (COMPL)(FG)(5FT X 3FT-3FT X 3FT)(FTW)	EA	
465-6443				INLET (COMPL)(FG)(5FT X 4FT-3FT X 3FT)(FTW)	EA		
465-6444				INLET (COMPL)(FG)(5FT X 5FT-3FT X 3FT)(FTW)	EA		
465-6445				INLET (COMPL)(FG)(6FT X 3FT-3FT X 3FT)(FTW)	EA		
465-6446				INLET (COMPL)(FG)(6FT X 4FT-3FT X 3FT)(FTW)	EA		
465-6447				INLET (COMPL)(FG)(6FT X 5FT-3FT X 3FT)(FTW)	EA		
465-6448				INLET (COMPL)(FG)(6FT X 6FT-3FT X 3FT)(FTW)	EA		
465-6449				INLET (COMPL)(FG)(7FT X 3FT-3FT X 3FT)(FTW)	EA		
465-6450				INLET (COMPL)(FG)(7FT X 4FT-3FT X 3FT)(FTW)	EA		
465-6451				INLET (COMPL)(FG)(7FT X 5FT-3FT X 3FT)(FTW)	EA		
465-6452				INLET (COMPL)(FG)(7FT X 6FT-3FT X 3FT)(FTW)	EA		
465-6453				INLET (COMPL)(FG)(7FT X 7FT-3FT X 3FT)(FTW)	EA		
465-6454				INLET (COMPL)(FG)(8FT X 3FT-3FT X 3FT)(FTW)	EA		
465-6455				INLET (COMPL)(FG)(8FT X 4FT-3FT X 3FT)(FTW)	EA		
465-6456				INLET (COMPL)(FG)(8FT X 5FT-3FT X 3FT)(FTW)	EA		
465-6457				INLET (COMPL)(FG)(8FT X 6FT-3FT X 3FT)(FTW)	EA		
465-6458				INLET (COMPL)(FG)(8FT X 7FT-3FT X 3FT)(FTW)	EA		
465-6459		INLET (COMPL)(FG)(8FT X 8FT-3FT X 3FT)(FTW)	EA				
			465-6460	INLET (COMPL)(FG-C)(3FT X 3FT)(FTW)	EA		
I-FG-2 (FTW)	Inlet - Frame-Grate-2-Grate (Match Pavement Surface)	465-6461	INLET (COMPL)(FGS2)(FTW)	EA	1) Free-Standing Unit. 2) 24" RCP max on "short" wall.		
I-FG-2-C (FTW)	Inlet - Frame-Grate-2-Grate (On Box Sewer)	465-6462	INLET (COMPL)(FGS2-C)(FTW)	EA	1) Inlet directly on box culvert pays as FGS2-C. 2) Use with 4' span box culvert or larger; for smaller culverts, lateral required.		
I-FG-R (FTW)	Inlet - Frame-Grate - Retaining Wall	465-6463	INLET (COMPL)(FGR)(FTW)	EA	1) Payment includes inlet unit, riser and junction box. 2) Riser connection to box culvert pays as FGR-C.		
		465-6464	INLET (COMPL)(FGR-C)(FTW)	EA			

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Area - Ditch Inlets	I-AD (FTW)	Area/Ditch Inlet, Type AD	465-6465	INLET (COMPL)(AD)(3FT X 3FT)(FTW)	EA	1) All free-standing inlets or risers are 3'x3'; base is variable. 2) Pay is based on riser dimension plus bottom dimension; free-standing inlet pays as 3'x3'. 3) Inlet directly on box culvert pays as AD-C.
			465-6466	INLET (COMPL)(AD)(4FT X 3FT-3FT X 3FT)(FTW)	EA	
			465-6467	INLET (COMPL)(AD)(4FT X 4FT-3FT X 3FT)(FTW)	EA	
			465-6468	INLET (COMPL)(AD)(5FT X 3FT-3FT X 3FT)(FTW)	EA	
			465-6469	INLET (COMPL)(AD)(5FT X 4FT-3FT X 3FT)(FTW)	EA	
			465-6470	INLET (COMPL)(AD)(5FT X 5FT-3FT X 3FT)(FTW)	EA	
			465-6471	INLET (COMPL)(AD)(6FT X 3FT-3FT X 3FT)(FTW)	EA	
			465-6472	INLET (COMPL)(AD)(6FT X 4FT-3FT X 3FT)(FTW)	EA	
			465-6473	INLET (COMPL)(AD)(6FT X 5FT-3FT X 3FT)(FTW)	EA	
			465-6474	INLET (COMPL)(AD)(6FT X 6FT-3FT X 3FT)(FTW)	EA	
			465-6475	INLET (COMPL)(AD)(7FT X 3FT-3FT X 3FT)(FTW)	EA	
			465-6476	INLET (COMPL)(AD)(7FT X 4FT-3FT X 3FT)(FTW)	EA	
			465-6477	INLET (COMPL)(AD)(7FT X 5FT-3FT X 3FT)(FTW)	EA	
			465-6478	INLET (COMPL)(AD)(7FT X 6FT-3FT X 3FT)(FTW)	EA	
			465-6479	INLET (COMPL)(AD)(7FT X 7FT-3FT X 3FT)(FTW)	EA	
			465-6480	INLET (COMPL)(AD)(8FT X 3FT-3FT X 3FT)(FTW)	EA	
			465-6481	INLET (COMPL)(AD)(8FT X 4FT-3FT X 3FT)(FTW)	EA	
			465-6482	INLET (COMPL)(AD)(8FT X 5FT-3FT X 3FT)(FTW)	EA	
			465-6483	INLET (COMPL)(AD)(8FT X 6FT-3FT X 3FT)(FTW)	EA	
			465-6484	INLET (COMPL)(AD)(8FT X 7FT-3FT X 3FT)(FTW)	EA	
	465-6485	INLET (COMPL)(AD)(8FT X 8FT-3FT X 3FT)(FTW)	EA			
465-6486	INLET (COMPL)(AD-C)(3FT X 3FT)(FTW)	EA				
	I-AD-2 (FTW)	Area/Ditch Inlets, Type AD-2	465-6487	INLET (COMPL)(AD-2)(FTW)	EA	1) Allows C-I-P or "single-unit" precast. 2) 24" RCP max on "short" wall.
	I-RWF	Retaining Wall Flume Inlet	465-6488	INLET (COMPL)(RWF)(FTW)	EA	1) Payment includes inlet unit, riser and junction box. 2) Riser connection to box culvert pays as RWF-C.
465-6489			INLET (COMPL)(RWF-C)(FTW)	EA		
Storm Drain Manholes	MH-A (FTW)	Manhole - Type SD	465-6490	MANH (COMPL)(TY SD)(3FT X 3FT)(FTW)	EA	1) All free-standing inlets or risers are 3'x3'; base is variable. 2) Pay is based on riser dimension plus bottom dimension; free-standing inlet pays as 3'x3'. 3) Manhole directly on box culvert pays as TY SD-C.
			465-6491	MANH (COMPL)(TY SD)(4FT X 3FT-3FT X 3FT)(FTW)	EA	
			465-6492	MANH (COMPL)(TY SD)(4FT X 4FT-3FT X 3FT)(FTW)	EA	
			465-6493	MANH (COMPL)(TY SD)(5FT X 3FT-3FT X 3FT)(FTW)	EA	
			465-6494	MANH (COMPL)(TY SD)(5FT X 4FT-3FT X 3FT)(FTW)	EA	
			465-6495	MANH (COMPL)(TY SD)(5FT X 5FT-3FT X 3FT)(FTW)	EA	
			465-6496	MANH (COMPL)(TY SD)(6FT X 3FT-3FT X 3FT)(FTW)	EA	
			465-6497	MANH (COMPL)(TY SD)(6FT X 4FT-3FT X 3FT)(FTW)	EA	
			465-6498	MANH (COMPL)(TY SD)(6FT X 5FT-3FT X 3FT)(FTW)	EA	
			465-6499	MANH (COMPL)(TY SD)(6FT X 6FT-3FT X 3FT)(FTW)	EA	
			465-6500	MANH (COMPL)(TY SD)(7FT X 3FT-3FT X 3FT)(FTW)	EA	
			465-6501	MANH (COMPL)(TY SD)(7FT X 4FT-3FT X 3FT)(FTW)	EA	
			465-6502	MANH (COMPL)(TY SD)(7FT X 5FT-3FT X 3FT)(FTW)	EA	
			465-6503	MANH (COMPL)(TY SD)(7FT X 6FT-3FT X 3FT)(FTW)	EA	
			465-6504	MANH (COMPL)(TY SD)(7FT X 7FT-3FT X 3FT)(FTW)	EA	
			465-6505	MANH (COMPL)(TY SD)(8FT X 3FT-3FT X 3FT)(FTW)	EA	
			465-6506	MANH (COMPL)(TY SD)(8FT X 4FT-3FT X 3FT)(FTW)	EA	
			465-6507	MANH (COMPL)(TY SD)(8FT X 5FT-3FT X 3FT)(FTW)	EA	
			465-6508	MANH (COMPL)(TY SD)(8FT X 6FT-3FT X 3FT)(FTW)	EA	
			465-6509	MANH (COMPL)(TY SD)(8FT X 7FT-3FT X 3FT)(FTW)	EA	
465-6510	MANH (COMPL)(TY SD)(8FT X 8FT-3FT X 3FT)(FTW)	EA				
465-6511	MANH (COMPL)(TY SD-C)(3FT X 3FT)(FTW)	EA				

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Junction Boxes	JB (FTW)	Junction Box, Ty JB	465-6512	JUNCT BOX (COMPL)(JB)(3FT X 3FT)(FTW)	EA	
			465-6513	JUNCT BOX (COMPL)(JB)(4FT X 3FT)(FTW)	EA	
			465-6514	JUNCT BOX (COMPL)(JB)(4FT X 4FT)(FTW)	EA	
			465-6515	JUNCT BOX (COMPL)(JB)(5FT X 3FT)(FTW)	EA	
			465-6516	JUNCT BOX (COMPL)(JB)(5FT X 4FT)(FTW)	EA	
			465-6517	JUNCT BOX (COMPL)(JB)(5FT X 5FT)(FTW)	EA	
			465-6518	JUNCT BOX (COMPL)(JB)(6FT X 3FT)(FTW)	EA	
			465-6519	JUNCT BOX (COMPL)(JB)(6FT X 4FT)(FTW)	EA	
			465-6520	JUNCT BOX (COMPL)(JB)(6FT X 5FT)(FTW)	EA	
			465-6521	JUNCT BOX (COMPL)(JB)(6FT X 6FT)(FTW)	EA	
			465-6522	JUNCT BOX (COMPL)(JB)(7FT X 3FT)(FTW)	EA	
			465-6523	JUNCT BOX (COMPL)(JB)(7FT X 4FT)(FTW)	EA	
			465-6524	JUNCT BOX (COMPL)(JB)(7FT X 5FT)(FTW)	EA	
			465-6525	JUNCT BOX (COMPL)(JB)(7FT X 6FT)(FTW)	EA	
			465-6526	JUNCT BOX (COMPL)(JB)(7FT X 7FT)(FTW)	EA	
			465-6527	JUNCT BOX (COMPL)(JB)(8FT X 3FT)(FTW)	EA	
			465-6528	JUNCT BOX (COMPL)(JB)(8FT X 4FT)(FTW)	EA	
			465-6529	JUNCT BOX (COMPL)(JB)(8FT X 5FT)(FTW)	EA	
			465-6530	JUNCT BOX (COMPL)(JB)(8FT X 6FT)(FTW)	EA	
			465-6531	JUNCT BOX (COMPL)(JB)(8FT X 7FT)(FTW)	EA	
465-6532	JUNCT BOX (COMPL)(JB)(8FT X 8FT)(FTW)	EA				
Special Inlets	I-CH (FTW)	Channel Headwall Inlet	465-6533	INLET (COMPL)(CH)(10 FT)(FTW)	EA	
			465-6534	INLET (COMPL)(CH)(20 FT)(FTW)	EA	
	I-SSB(FTW)	Single Slope Barrier Inlet	465-6535	INLET (COMPL)(SSB)(10 FT)(FTW)	EA	
	TD-C	Trench Drain - Cast-in-Place	474-6021	CAST-IN-PLACE TRENCH DRAIN	LF	
Misc.	MI-AC (FTW)	Inlet & Manhole - Adjust & Cap Details	479-6001	ADJUSTING MANHOLES	EA	
			479-6002	ADJUSTING INLETS	EA	
			479-6006	ADJUSTING INLETS (CAP)	EA	
			479-6007	ADJUSTING MANHOLES (CAP)	EA	