

# Public Works Standard Drawings Subcommittee Meeting

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Monday June 4, 2018  
Regional Forum Room

# Survey Results – iSWM & Stormwater members

Schematic	Votes
Figure 2.2	1
Figure 2.9	1
Figure 2.10	1
Figure 3.2	1
Figure 3.3	2
Figure 3.5	1
Figure 3.8	1
Figure 3.11	1
Figure 3.12	1
Figure 3.15	1
Figure 3.19	2

Schematic	Votes
Figure 3.23	1
Figure 3.31	2
Figure 3.35	1
Figure 4.1	2
Figure 4.2	1
Figure 4.3	2
Figure 4.5	1
Figure 4.7	1

Additional Suggested Drawing:  
\*Inlet protection barrier for drop inlets

# Survey Results – Stnd. Drawings Subcommittee

Schematic	Votes
Figure 2.3	2
Figure 2.4	1
Figure 2.5	1
Figure 2.8	3
Figure 2.10	1
Figure 2.11	5
Figure 2.12	3
Figure 2.13	2
Figure 3.1	1
Figure 3.3	2
Figure 3.5	2

Schematic	Votes
Figure 3.8	1
Figure 3.10	3
Figure 3.11	2
Figure 3.12	1
Figure 3.16	1
Figure 3.17	1
Figure 3.18	1
Figure 3.23	3
Figure 3.24	2
Figure 3.25	1
Figure 3.27	1

Schematic	Votes
Figure 3.30	1
Figure 3.32	1
Figure 3.34	1
Figure 3.36	1
Figure 4.1	2
Figure 4.2	2
Figure 4.3	1
Figure 4.5	1

Additional Suggested Drawings:

\*Grouted rock rip-rap detail

\*Details for creek trash screen/catch

# Survey Results – Cumulative Results

Schematic	Votes
Figure 2.2	1
Figure 2.3	2
Figure 2.4	1
Figure 2.5	1
Figure 2.8	3
Figure 2.9	1
Figure 2.10	2
Figure 2.11	5
Figure 2.12	3
Figure 2.13	2
Figure 3.1	1

Schematic	Votes
Figure 3.2	1
Figure 3.3	4
Figure 3.5	3
Figure 3.8	2
Figure 3.10	3
Figure 3.11	3
Figure 3.12	2
Figure 3.15	1
Figure 3.16	1
Figure 3.17	1
Figure 3.18	1

Schematic	Votes
Figure 3.19	2
Figure 3.23	4
Figure 3.24	2
Figure 3.25	1
Figure 3.27	1
Figure 3.30	1
Figure 3.31	2
Figure 3.32	1
Figure 3.34	1
Figure 3.35	1
Figure 3.36	1

Schematic	Votes
Figure 4.1	4
Figure 4.2	3
Figure 4.3	3
Figure 4.5	2
Figure 4.7	1

## Additional Suggested Drawings:

- \*Grouted rock rip-rap detail
- \*Details for creek trash screen/catch
- \*Inlet protection barrier for drop inlets

# Top Results

1. **Figure 2.11 Schematics of Turf Reinforcement Mats (5 votes)**
2. Figure 3.3 Schematics of Depressed Pavement Replacement Sediment Trap (4 votes)
3. Figure 3.23 Example of Basin Outlet Design (4 votes)
4. Figure 4.1 Schematics of Concrete Washout Containment (4 votes)
5. **Figure 2.8 Anchor Examples for Erosion Control Blankets (3 votes)**
6. **Figure 2.12 Examples of Turf Reinforcement Mats (3 votes)**
7. Figure 3.5 Schematics of 2"x4" Weir Curb Inlet Protection (3 votes)
8. **Figure 3.10 Schematics of Filter Fabric Area Inlet Protection (3 votes)**
9. Figure 3.11 Schematics of Excavated Impoundment Area Inlet Protection (3 votes)
10. Figure 4.2 Schematic of Control for Subgrade Stabilization (3 votes)
11. Figure 4.3 Concrete Waste Management (3 votes)

*\*Bolded items were prioritized by the Standard Drawings Subcommittee at the 04/30/18 meeting*

# Division 1000 Drawings

Drawing #		iSWM Equivalent
1020A, 1020B	Silt Fence including General Notes	Halff #9 - Figure 3.28 Detail for Silt Fence
1030A, 1030B	Interceptor Swale	
1040A, 1040B	Diversion Dike	
1050A, 1050B	Triangular Sediment Filter Dike	
1060A, 1060B	Rock Check Dam	Halff #1 - Figure 2.1 Rock Check Dams
1070A, 1070B	Stabilized Construction Entrance	Halff #10 - Figure 3.29 Stabilized Construction Exit
1080A, 1080B	Sand Bag Check Dam	
1090	Stone Outlet, Sediment Trap	
1100	Pipe Outlet, Sediment Basin	Halff #8 - Figure Sediment Basin with Overflow Riser
1110	Pipe Slope Drain	
1120	Inlet Protection, Filter Barrier	
1130	Inlet Protection-Drop, Block and Gravel	
1140	Inlet Protection-Curb, Block and Gravel	
1150	Inlet Protection, Excavated Impoundment	
1160A, 1160B	Erosion Control Blankets	Halff #2 – Figure 2.7 Temporary Erosion Control Blankets

# Next Steps

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Determine action items for subcommittee members and  
NCTCOG staff

# Outside requests for membership and NEXT MEETING – Possible Dates

## JULY 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

## AUGUST 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16 PWC	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

\*Regional Forum Room: July 2, August 6

\*Metroplex Conference Room: July 30





# iSWM Construction Control Schematics from iSWM Technical Manual

Figure 2.1 Schematics of Rock Check Dams ..... CC-16	Figure 3.16 Examples of Organic Filter Tube Installation Methods ..... CC-105
Figure 2.2 Schematics of Rock Bag Check Dams ..... CC-17	Figure 3.17 Schematics of Type A Pipe Inlet Sediment Trap ..... CC-113
Figure 2.3 Schematics of Sack Gabion Check Dams ..... CC-18	Figure 3.18 Schematics of Type B Pipe Inlet Sediment Trap ..... CC-114
Figure 2.4 Schematics of Organic Filter Tube Check Dams ..... CC-19	Figure 3.19 Schematics of Sediment Basin with Surface Skimmer ..... CC-121
Figure 2.5 Schematics of Diversion Dike ..... CC-23	Figure 3.20 Schematics of Sediment Basin with Overflow Riser ..... CC-122
Figure 2.6 Schematics of Diversion Dike with Swale ..... CC-24	Figure 3.21 Schematics of Basin Embankment with Flashboard Riser ..... CC-123
Figure 2.7 Schematics of Erosion Control Blankets ..... CC-28	Figure 3.22 Schematic of Basin Embankment with Perforated Riser ..... CC-124
Figure 2.8 Anchor Examples for Erosion Control Blankets ..... CC-29	Figure 3.23 Example of Basin Outlet Design ..... CC-128
Figure 2.9 Schematics of Interceptor Swale ..... CC-33	Figure 3.24 Riser Inflow Curves for Basin Outlet Design ..... CC-129
Figure 2.10 Schematics of Pipe Slope Drain ..... CC-42	Figure 3.25 Example of Excavated Earth Spillway Design ..... CC-132
Figure 2.11 Schematics of Turf Reinforcement Mats ..... CC-51	Figure 3.26 Example of Anti-Vortex Design for Corrugated Metal Pipe Riser ..... CC-137
Figure 2.12 Examples of Turf Reinforcement Mat Anchoring ..... CC-52	Figure 3.27 Riser Pipe Base Design for Embankment Less Than 10 Feet High ..... CC-139
Figure 2.13 Schematics of Velocity Dissipation Device ..... CC-63	Figure 3.28 Schematics of Silt Fence ..... CC-147
Figure 3.1 Schematics of Active Treatment System ..... CC-69	Figure 3.29 Schematics of Stabilized Construction Exit ..... CC-151
Figure 3.2 Schematics of Depressed Grade (Curb Cut-Back) Sediment Trap ..... CC-73	Figure 3.30 Schematics of Excavated Stone Outlet Sediment Trap ..... CC-155
Figure 3.3 Schematics of Depressed Pavement Replacement Sediment Trap ..... CC-74	Figure 3.31 Schematics of Bermed Stone Outlet Sediment Trap ..... CC-156
Figure 3.4 Schematics of Dewatering Controls ..... CC-80	Figure 3.32 Schematics of Triangular Sediment Filter Dike ..... CC-160
Figure 3.5 Schematics of 2"x4" Weir Curb Inlet Protection ..... CC-87	Figure 3.33 Example Application of Turbidity Barrier ..... CC-164
Figure 3.6 Schematics of Organic Filter Tube Curb Inlet Protection ..... CC-88	Figure 3.34 Schematics of Turbidity Barrier ..... CC-165
Figure 3.7 Schematics of Hog Wire Weir Curb Inlet Protection ..... CC-89	Figure 3.35 Schematics of Vegetated Filter Strip ..... CC-170
Figure 3.8 Schematics of Block and Gravel Filter Curb Inlet Protection ..... CC-90	Figure 3.36 Schematics of Rumble Rack Wheel Cleaning ..... CC-175
Figure 3.9 Schematic of Organic Filter Tube On-Grade Curb Inlet Protection ..... CC-91	Figure 3.37 Schematics of Corrugated Metal Wheel Wash ..... CC-176
Figure 3.10 Schematics of Filter Fabric Area Inlet Protection ..... CC-92	Figure 3.38 Schematics of Flooded Basin Wheel Wash ..... CC-177
Figure 3.11 Schematics of Excavated Impoundment Area Inlet Protection ..... CC-93	Figure 4.1 Schematics of Concrete Washout Containment ..... CC-190
Figure 3.12 Schematics of Block and Gravel Area Inlet Protection ..... CC-94	Figure 4.2 Schematic of Controls for Subgrade Stabilization ..... CC-209
Figure 3.13 Schematics of Organic Filter Tube Area Inlet Protection ..... CC-95	Figure 4.3 Concrete Waste Management ..... CC-186
Figure 3.14 Schematics of Organic Filter Berm ..... CC-99	Figure 4.5 Hyper-chlorinated Water Mgmt ..... CC-195
Figure 3.15 Schematics of Organic Filter Tubes ..... CC-104	Figure 4.7 Sanitary Waste Management ..... CC-202