

Utility Details Index

Std. Detail Number	Detail Title	Detail Sub-Title	Last Updated
Notes			
10.01	Water/Sewer	General Notes	04/15
10.02	Water	Notes	04/15
10.03	Sewer	Notes	04/15
10.04	Testing / Inspection	General Notes	09/06
10.05	Sanitary Sewer Pump Station	General Notes	06/08
Water Details			
11.01	Water Valve Box	Installation Detail	08/08
11.02	Water Valve Box	Standard Detail	09/06
11.03	Water Valve	Heavy Duty Lid	09/06
11.04	Double-Detector Check Valve Assembly	Standard Detail	09/06
11.05	Butterfly Valve	Direct Bury Installation	09/06
11.06	Water Air Release Valve	Standard Detail	10/06
11.07	Water Tapping Sleeve and Valve	Standard Detail	12/13
11.08	Fire Hydrant	Location Within SCDOT R/W	09/06
11.09	Fire Hydrant	Standard Detail	10/14
11.10	Jumper Connection	Standard Detail	09/06
11.11	Water Blow-Off	2 and 4 Inch	09/06
11.12	Water Blow-Off	6 to 12 inch	09/06
11.13	Water Tank Drain	Standard Detail	09/06
11.14	Stub-Out	Standard Detail	09/06
11.15	Water Meter Box	3/4"	10/06
11.16	Water Meter Box	1"	09/06
11.17	Service Connection	3/4" and 1"	03/10
11.18	Water Meter Box	1-1/2" and 2"	09/06
11.19	Service Connection	1-1/2" and 2"	03/10
11.20	Water Meter Box	3" and 4"	03/12
11.21	Fire Hydrant	Deep-Bury Detail	03/09
11.22	Backflow Assembly	3" and Larger	04/09
11.23	Backflow Assembly	1" and 2"	02/15
11.24	Unused		
11.25	Double Check Valve Assembly	3/4" - 2" Above Ground	03/15
11.26	Double Check Valve Assembly	3/4" & 1" Vault	03/15
11.27	Double Check Valve Assembly	1-1/2" & 2" Vault	03/15
11.28	Reduced Pressure Assembly	3/4" - 2" Above Ground	03/15
11.29	Double Check Valve Assembly	3" - 10" Above Ground	03/15
11.30	Reduced Pressure Assembly	3/4" - 2" Vault	03/15
Sewer MH Details			
12.01	Manhole	4' and 5' Diameter	08/07
12.02	Manhole	6' and 8' Diameter	08/07
12.03	Manhole	4' Diameter - Short	09/07
12.04	Manhole	Over Existing Line	08/07
12.05	Manhole	4' Diameter With Vent	08/07
12.06	Manhole	Outside Drop	08/07
12.07	Manhole	Inside Drop	09/06
12.08	Manhole Ring and Cover	Cast Iron	10/06
12.09	Manhole	Plastic Step	09/06
12.10	Sewer Service Lateral	Clean-Out	09/06
12.11	Sewer Service Lateral	Internal Drop Into Manhole	04/06
12.12	Sewer Service Lateral	External Drop Into Manhole	04/06
12.12	Sewer Service Lateral	External Drop Into Manhole	04/06
Sewer Forcemain Details			
13.01	Sewer Pump Station	Layout	08/07
13.02	Typical Pump Station	Wetwell Section	08/07
13.03	Typical Pump Station	Valve Vault	11/07
13.04	Sewer Force Main	Air Release Valve Installation	09/07
13.05	Force Main to Gravity Sewer	Standard Detail	10/06
13.06	Typical Pump Station	Yard Hydrant	08/07
13.07	Typical Pump Station	Service Pole	08/07
13.08	Typical Pump Station	Double Swing Gate and Fence	08/07
13.09	Tapping Sleeve and Valve	Standard Detail	09/06
13.10	Force Main to Gravity Sewer	Inside Drop	08/09
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14.02	Low-Pressure Sewer	Lateral Service	10/06
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14.04	Low-Pressure Sewer	Check Valve Box	10/06
14.05	Low-Pressure Sewer	Clean-Out Box	10/06
14.06	Low-Pressure Sewer	Individual Grinder Pump System Typical	10/06
14.07	Low-Pressure Sewer	Clean-Out at End of Main	10/06
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15.01	Pipe Installation	Gravity Sewer	08/07
15.02	Pipe Bedding	Standard Detail	04/08
15.03	Creek Crossing	Non-Elevated Pipe	10/06
15.04	Creek Crossing	On Steel H-Piles	10/06
15.05	Typical Pipe Depth	Cut and Fill Slope Conditions	04/06
15.06	Boring Encasement	Standard Detail	02/08
15.07	Pipe Separation Requirements	For Water Mains and Sanitary Sewer Lines	10/06
15.08	Connection	PVC to Ductile Iron	09/06
15.09	Concrete Collar	Standard Detail	09/07
15.10	Pipe Footing	On Rock	09/06
15.11	Concrete Pier	Standard Detail	09/06
15.12	Pier Strap	24" Pipe and Smaller	08/07
15.13	Blocking	Pipe Sizes 6" Through 16"	09/06
15.14	Future-Use Connection	Pipe Sizes 4" - 12"	02/15
15.15	Blocking	For 16", 20", and 24" Pipes	09/06

15.16	Excavation and Trenching	Various Soil Types	12/08
15.17	Open-Cut and Repair	Asphalt Roadway	02/09
15.18	Open-Cut and Repair	Asphalt Driveway	02/09
15.19	Open-Cut and Repair	SCDOT Roadway	03/11
15.20	Creek Crossing	Concrete Piers	02/15