

## SECTION 01720

## PROJECT RECORD DOCUMENTS

Sanitary Sewer Electronic Data Submittals  
Manhole Field Explanation

Item Name	Units	Description	Drop-down Menu Options
LegacyID		ID from previous Source	
RimElevation	Feet	Elevation at Rim of Manhole	
BarrelDiameter	Feet	Barrel (riser) diameter (ft) - default is 4 / change to "riser diameter" on data entry	
AccessDiameter	Inches	Lid Diameter	18,24 Default, 30
ConeHeight	Feet	Height of Cone above Ground	
VentHeight	Feet	Vent Height Above Manhole cover	
Depth	Feet	Depth of Manhole	
HighPipeDepth1	Feet	Depth of Manhole	
HighPipeDepth2	Feet	Depth of Manhole	
HighPipeDepth3	Feet	Depth of Manhole	
VentDiameter	Inches	Diameter of Vent Pipe	3, 4, 6, other
VentElevation	Feet	Elevation of top of vent	
Elevation	Feet	Invert elevation of manhole (if more than one # is shown , invert is always lowest # (rim elevation - depth)	
HighPipeElevation1	Feet	Elevation of High Pipe	
HighPipeElevation2	Feet	Elevation of High Pipe	
HighPipeElevation3	Feet	Elevation of High Pipe	
InstallContractor	mm/dd/yyyy	Construction Contractor	
WarrantyDate	mm/dd/yyyy	Warranty expiration date	
Manufacturer	mm/dd/yyyy	Manhole Manufacturer	
InstallDate	mm/dd/yyyy	Approx. date of substantial completion or date S/D was released	
Subtype		Type of Manhole - Can have multiple types	Vented, Odor Control, Flow Measurement, Air Release Valve, Junction Structure, Lamp Hole, Regulating Chamber, T-Base, Drop Manhole, Siphon Chamber,Other,Unknown
BarrelMaterial		Manhole barrel (riser) material	Brick, Concrete, Concrete with Brick, Lined, Plastic, Other, Unknown
VentMaterial		Vent Material	Steel, Ductile Iron, PVC, Other
NoPipeinflow	#	Number of pipes that flow into the structure	0, 1, 2, 3, 4, 5, 6, 7, 8
NoPipeoutflow	#	Number of pipes that flow out of the structure	0, 1, 2, 3, 4, 5, 6, 7, 8
AboveGrade		Is structure above grade?	True, False
Step		Are steps present	Yes, No, Unknown
PavingRing		Is a paving ring present?	Yes, No
AccessMaterial		Lid material	Metal, Concrete, Missing, Other, Unknown
LidType		Type of lid on Manhole	Solid Lid, Grated Lid, Bolted lid, Watertight Lid, Unknown
FrameMaterial		Frame material for lid	Concrete, Metal, Other, Unknown
BarrellMaterial		Manhole cone material	Brick, Concrete, Concrete with Brick, Lined, Plastic, Other
ConeType		Manhole cone type	Eccentric, Concentric, Flat Top, Chimney, Unknown
AccessType		Type of access	Lid, Hatch, Other
WaterType		Type of water structure is carrying	Combined Waste Water, Sanitary Sewer, Storm Runoff, Reclaimed, Unknown
GroundType		Predominant surface cover type	Asphalt, Concrete, Gravel, Soil, Grass, Brick Pavers, Building, Other, Unknown
Northing	#	Auto Calculation from Latitude	
Easting	#	Auto Calculation from Longitude	
DataSource			Aerial Photography, GPS Survey, Traditional Survey, Development Plans, Other

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**Sanitary Sewer Electronic Data Submittals  
Manhole Data Sheet**

<b>Item Name</b>	<b>Manhole 1</b>	<b>Manhole 2</b>	<b>Manhole 3</b>	<b>Manhole 4</b>	<b>Manhole 5</b>	<b>Manhole 6</b>	<b>Manhole 7</b>
LegacyID							
RimElevation							
BarrelDiameter							
AccessDiameter							
ConeHeight							
VentHeight							
Depth							
HighPipeDepth1							
HighPipeDepth2							
HighPipeDepth3							
VentDiameter							
VentElevation							
Elevation							
HighPipeElevation1							
HighPipeElevation2							
HighPipeElevation3							
InstallContractor							
WarrantyDate							
Manufacturer							
InstallDate							
Subtype							
BarrelMaterial							
VentMaterial							
NoPipeinflow							
NoPipeoutflow							
AboveGrade							
Step							
PavingRing							
AccessMaterial							
LidType							
FrameMaterial							
BarrellMaterial							
ConeType							
AccessType							
WaterType							
GroundType							
Northing							
Easting							
DataSource							

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**Sanitary Sewer Electronic Data Submittals**  
**Conveyance Explanation**

Item Name	Units	Description	Drop-down Menu Options
WaterType		Type of water structure is carrying	Sanitary Sewer, Combined, Storm Runoff, Reclaimed, Unknown
WarrantyDate	mm/dd/yyyy	Warranty expiration date	
US_ID	#	ID of link or node immediately upstream of this link	
UpstreamInvert	Inches	Invert elevation at upstream end of pipe	
DownstreamInvert	Inches	Invert elevation at downstream end of pipe	
Subtype		Main type	Bypass, Collector, Combined Sewer, Force Main, Interconnect, Interceptor, Outfall, Outfall for Combined Sewer, Relief Main, Siphon
Slope	Feet	Actual slope (FT/FT) calculated as $(us\_elevation - ds\_elevation) / actual\_length$	
PipeWidth	Inches	Width of pipe if not round or width at maximum point if elliptical or egg shaped	
PipeLength	Feet	Measured length of the main (horizontal measure, in feet), system will automatically calculate the actual length of the line feature	
PipeHeight	Inches	Height of pipe if not round or Height at maximum point of pipe if elliptical or egg shaped	
PipeDiameter	Inches	Diameter of round pipe	6,8,10,12,15,16,18,21,24,30,36,42,48,60,66,72,84,96, other
PipeCount		# of pipes coming into Manhole	
OtherDiameter	Inches	Diameter of pipe if other defined on PipeDiameter, Manual Entry	
Material		Construction material	Clay, Concrete, PVC, DIP, Brick, HDPE, Lined, Unknown, Cast Iron, Asbestos Concrete
Location		Users' description of feature's location - appears on plan - if not a subdivision, put down nearest major road	
LegacyID		Microfilm Number	
JointType1		Type of joint used to join mains together	Ball, Bell and Spigot, Flanged, Mechanical, Push on, Sleeved, Threaded
InstallDate	mm/dd/yyyy	Approx. date of substantial completion or date S/D was released	
InstallContractor	mm/dd/yyyy	Construction Contractor	
GroundType		Predominant surface cover type	Asphalt, Concrete, Gravel, Soil, Grass, Brick Pavers, Building, Other, Unknown
DS_ID	#	ID of link or node immediately downstream of this link	
DataSource			Aerial Photography, GPS Survey, Traditional Survey, Development Plans, Other
CrossSectionShape		Shape of the Main	Circular, Egg Shaped, Rectangular Channel, Elliptical, Other

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Sanitary Sewer Electronic Data Submittals  
Conveyance Data Sheet

Item Name	Pipe1	Pipe2	Pipe3	Pipe4	Pipe5	Pipe6	Pipe7
WaterType							
WarrantyDate							
US_ID							
UpstreamInvert							
Subtype							
Slope							
PipeWidth							
PipeLength							
PipeHeight							
PipeDiameter							
PipeCount							
OtherDiameter							
Material							
Location							
LegacyID							
JointType1							
InstallDate							
InstallContractor							
GroundType							
DS_ID							
DownstreamInvert							
DataSource							
CrossSectionShape							

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**Sanitary Sewer Electronic Data Submittals  
Pressurized Main Explanation**

<b>Item Name</b>	<b>Units</b>	<b>Description</b>	<b>Drop-down Menu Options</b>
Legacy_ID		Office Generation	
Originating PS		Originating Pump Station	
Discharge MH		Manhole that force main discharges to	
Recorded Length	Feet	Length of the Pressurized main	
Diameter	Feet	Diameter of main	
Depth	Feet	Depth of main	
Install Date	mm/dd/yyyy	Approx. date of substantial completion or date S/D was released	
Warranty Date	mm/dd/yyyy	Warranty expiration date	
Install Contractor	mm/dd/yyyy	Construction Contractor	
Water Type		Type of water structure is carrying	Sanitary, Combined, Storm Runoff
Force Main Material		Construction material	DIP, PVC, HDPE, RCPP, Steel, Other
Exterior Coating			Tar, Unknown, Other
JointType1		Type of joint used to join mains together	Ball, Bell and Spigot, Flanged, Mechanical, Push on, Sleeved, Threaded
Lining Type		Pipe Liner	Cement, PVC, HDPE, Teflon, Epoxy, Other
Location		Users' description of feature's location appears on plan - if not a subdivision, put down nearest major road	
Ground Type		Predominant surface cover type	Asphalt, Concrete, Gravel, Soil, Sand, Grass, Brick Pavers, Building, Other
Design Flow			
Data Source			Aerial Photography, GPS Survey, Traditional Survey, Development Plans, Other
Surge ReliefValve		Is there a surge relief valve	Yes, No
Surge ReliefValve Size		Size of surge relief valve	
Air Release Valve			Yes, No
Vacume release valve			
Air release x Coord			
Air release y Coord			
Surge ReliefValve x Coord			
Surge ReliefValve y Coord			
Vacume release valve x coord			
Vacume release valve y coord			

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Sanitary Sewer Electronic Data Submittals  
Pressurized Main Data Sheet

Item Name	Main1	Main2	Main3	Main4	Main5	Main6	Main7
Legacy_ID							
Originating PS							
Discharge MH							
Recorded Length							
Diameter							
Depth							
Install Date							
Warranty Date							
Install Contractor							
Water Type							
Force Main Material							
Exterior Coating							
JointType1							
Lining Type							
Location							
Ground Type							
Design Flow							
Data Source							

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**Sanitary Sewer Electronic Data Submittals**  
**Lift Station Explananation**

Item Name	Units	Description	Drop-down Menu Options
LegacyID		Office Generation	
WetWellRimElevation	Feet	Elevation of rim on Wet Well	
WetWellDepth	Feet	Depth of wet well	
WetWellAccessDiameter	Feet	Diameter of Wet Well Access	
PumpCapacity		Capacity at given head	
ElevationAtBottom	Feet	Elevation at bottom of pump	
AverageFlow		Average flow through pump station	
PeakFlow		Peak flow through pump station	
WetWellCapacity	Gallons		
InstallDate	mm/dd/yyyy	Approx. date of construction or date S/D was released	
WarrantyDate	mm/dd/yyyy	Warranty date of the feature - Blank unless known	
InstallContractor	mm/dd/yyyy	Construction Contractor	
LiftStationName		Name of lift Station	
WasteWaterPumpSubtype		Type of pump in lift station	Standard Centrifugal, Submersible, Self-Priming Centrifugal, Dry Pit Vertical Centrifugal
OverflowAlarm		Verify if Alarm is present	True , False
LevelSensorType		Level Sensor type for pump station	Air Bubble, Enclosed Electrode, Electrode, Float, Micro Processor, Transducer, Ultrasonic, Unknown, Other
WetWellBarScreen		Bar Screen	True, False
WetWellMaterial		Material of wet well	Brick, Poured Concrete, Concrete and Brick, Fiberglass, Lined, Polyethylene, Precast concrete, Unknown, Other
WetWellStepMaterial		Material that steps are made of in wet well	PVC coated Cast Iron, Cast Iron, Other
WetWellAccessType		Type of access to wet well	Door, Grate, Hatch, Lid, Manhole Cover, Other, Unknown
NumberofPumps		Numbers of Pumps	
PumpSize1		Hp at given head	
PumpSize2		Hp at given head	
PumpSize3		Hp at given head	
PumpSize4		Hp at given head	
PumpSize5		Hp at given head	
PumpSize6		Hp at given head	
PumpSize7		Hp at given head	
WetWellAccessMaterial		Material that Wet Well Access is made of	Cast Iron, Aluminum, Concrete, Unknown, Other
WetWellLiner		Lining material of Wet Well	Tar, PVC, Unknown, Other
WaterType		Type of water structure is carrying	Combined Waste Water, Reclaimed, Sanitary Sewer, Storm Runoff
WetWellRingMaterial		Material of wet well ring	Brick, concrete, Reinforced Concrete, Unknown, Other
WetWellFrameMaterial		Frame material of wet well	Metal, Concrete, Other, Unknown
OperationalDate	mm/dd/yyyy	Date in which lift station became operational	
SecondaryPower		Source of Secondary Power	Dedicated Generator, Portable Generator, Dual Power Feed, Battery, Others
DataSource			Aerial Photography, GPS Survey, Traditional Survey, Development Plans, Other
AutoLevelController			True, False
Agency		Indicator of who inventoried the pipe	City, CTI, AGM, Other,
SCADA		Type of SCADA connection	RTU, Telephone, Satellite, Wireless, Spread Spectrum, Other
Modem			True, False
PowerSupplier		Electrical Service Supplier	EPB, NWGA, Other

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Sanitary Sewer Electronic Data Submittals  
Lift Station Data Sheet

Item Name	LiftSatation1	LiftSatation2	LiftSatation3	LiftSatation4	LiftSatation5	LiftSatation6	LiftSatation7
LegacyID							
WetWellRimElevation							
WetWellDepth							
WetWellAccessDiameter							
PumpCapacity							
ElevationAtBottom							
AverageFlow							
PeakFlow							
WetWellCapacity							
InstallDate							
WarrantyDate							
InstallContractor							
LiftStationName							
WasteWaterPumpSubtype							
OverflowAlarm							
LevelSensorType							
WetWellBarScreen							
WetWellMaterial							
WetWellStepMaterial							
WetWellAccessType							
NumberofPumps							
PumpSize1							
PumpSize2							
PumpSize3							
PumpSize4							
PumpSize5							
PumpSize6							
PumpSize7							
WetWellAccessMaterial							
WetWellLiner							
WaterType							
WetWellRingMaterial							
WetWellFrameMaterial							
OperationalDate							
SecondaryPower							
DataSource							
AutoLevelController							
Agency							
SCADA							
Modem							
PowerSupplier							