

SECTION 01720

PROJECT RECORD DOCUMENTS

Stormwater Electronic Data Submittals
Conveyance Explanation

| Item Name | Units | Description | Drop-down Menu Options |
|-------------------|------------|--|---|
| UpStreamID | # | ID of link or node immediately upstream of this link | |
| DownstreamID | # | ID of link or node immediately downstream of this link | |
| LegacyID | # | ID from previous source\office generated | |
| PipeDiameter | inches | Height or diameter of pipe | 8,10,12,15,18,24,30,36,42,48,60,72,84,96,108,120 |
| Measurement1 | inches | Width at bottom of pipe if not round or width at center of pipe if elliptical | |
| Measurement2 | inches | Width at top of pipe if not round or elliptical | |
| HighPipeDepth | Feet | Distance from rim to bottom of High Pipe if pipe is >12" above invert of bottom pipe | |
| HighPipeDepth1 | Feet | Distance from rim to bottom of High Pipe if pipe is >12" above invert of bottom pipe | |
| Depth | feet | | Depth of storm water structure |
| UpstreamInvert | Inches | Invert elevation at upstream end of pipe | |
| DownstreamInvert | Inches | Invert elevation at downstream end of pipe | |
| Slope | | Actual slope FT/FT up_strm-dwn-strm/act_len | |
| FillHeight | feet | Amount of earth between top of surface and top of pipe, including inside or under buildings, etc | |
| PipeLength | feet | System generated | |
| InstallDate | mm/dd/yyyy | Approx. date of construction or date S/D was released | |
| WarrantyDate | mm/dd/yyyy | Warranty date of structure if available, blank if unknown | |
| InstallContractor | | Construction contractor | |
| SubType | | Conveyance Link Type | Pipe, Ditch, Swale, Paved Channel, Improved Channel, Natural Channel, Spillway, Drain, LakeLine, Assumed Conveyance,Bridge |
| Pipe Shape | | Shape of pipe | Round, Oblong, Rectangular,Box, Trapezoid, Arched, Elliptical, Other, Unknown |
| Barrel Count | # | Number of side-by-side barrels | 1,2,3,4,5,6 |
| Material | | Link material | Reinforced Concrete, Poly Vinyl Chloride, AsbestosConcrete, Clay, Aluminized Steel, Plain, Coated, Bituminous Coated Corrugated Metal, Cast Iron, Ductile Iron, High Definition Poly-Ethylene, Rock and Mortar, Earthen, Corrugated Metal, Cast Aluminum, RipRap, Cut Stone, Geotextile, Other, Unknown DEFINITIONS AS=Aluminized Steel, RC=Reinforced Concrete,CMP=Corrugated Metal Pipe, BCCMP=Bituminous Coated Corrugated Metal Pipe, DIP= Ductile Iron Pipe, HDPE-High Density Poly-Ethylene, PVC=Poly-Vinyl Chloride, CIP=Cast Iron Pipe |
| Joint Type | | Type of joint used to join mains together, Default unknown | Flange, Weld, Bond, Gasketed, Butt, None, Unknown |
| GroundType | | Predominant surface cover type / Worst Case Cover (i.e. Building) | Asphalt, Concrete, Gravel, Soil, Grass, Building, Brick Pavers,Sand, Other, Unknown |
| Development Name | | Name of subdivision, development, if known | |
| Location | | Users description of features' location-subdivision, nearest major road | |
| Data Source | | | Aerial Photography, GPS, Development Plans,Tax Maps , Traditional Survey, As-Built, Other |

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Stormwater Electronic Data Submittals
Conveyance Data Sheet

| Item Name | Conveyance1 | Conveyance2 | Conveyance3 | Conveyance4 | Conveyance5 | Conveyance6 | Conveyance7 |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| UpStreamID | | | | | | | |
| DownstreamID | | | | | | | |
| LegacyID | | | | | | | |
| PipeDiameter | | | | | | | |
| Measurement1 | | | | | | | |
| Measurement2 | | | | | | | |
| HighPipeDepth | | | | | | | |
| HighPipeDepth1 | | | | | | | |
| Depth | | | | | | | |
| UpstreamInvert | | | | | | | |
| DownstreamInvert | | | | | | | |
| Slope | | | | | | | |
| FillHeight | | | | | | | |
| PipeLength | | | | | | | |
| InstallDate | | | | | | | |
| WarrantyDate | | | | | | | |
| InstallContractor | | | | | | | |
| SubType | | | | | | | |
| Pipe Shape | | | | | | | |
| Barrel Count | | | | | | | |
| Material | | | | | | | |
| Joint Type | | | | | | | |
| GroundType | | | | | | | |
| Development Name | | | | | | | |
| Location | | | | | | | |
| Data Source | | | | | | | |

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**Stormwater Electronic Data Submittals
Structure Explanation**

| Item Name | Units | Description | Drop-down Menu Options |
|-----------------------|---------------|--|---|
| LegacyID | | ID from previous source | |
| TopStructureElevation | Ft. above MSL | Auto input from GPS Elevation of Top of Structure | |
| MeasureDown | feet | Difference between top of structure and bottom of structure | |
| Structure Diameter2 | inch | 2nd dimension of structure (if not round) | 12,18,24,30,36,42, 54, 60, 66,72, 78, 84, 96, 108, 120, 144, Other, Unknown |
| Lid Diameter | feet | Lid diameter | |
| Structure Diameter1 | | Diameter of structure | 12,18,24,30,36,42, 54, 60, 66,72, 78, 84, 96, 108, 120, 144, Other, Unknown |
| Invert Elevation | Ft above MSL | Invert elevation of the manhole | |
| Install Contractor | | Construction contractor | |
| Warranty Date | mm/dd/yyyy | | |
| Manufacturer | | Structure Manufacturer | |
| CastingManufacturer | | Casting Manufacturer | |
| CastingModel | | Model Number of Casting | |
| Install Date | mm/dd/yyyy | Approx. date of construction or date S/D was released | |
| NodeFunctionType | | | Inlet, Outlet, Junction |
| StructureType | | Structure Node Types | Catch Basin, Curb Inlet, Junction Box, Headwall, Weir, Manhole, Trench Drain, Plain Pipe End, Check Dam, Flared End Structure, Raised Top Inlet, Flat Top Catch Basin, Control Structure, Culvert, Ditch Intersection, Pipe Intersection, Lake Intersection, Assumed Structure, Inaccessible Structure, Unknown |
| StructureMaterial | | | Brick, Concrete, Concrete with Brick, Block, Cut Stone, Lined, Plastic, Other |
| Skimmer | | Is a skimmer present | Yes, No, Unknown |
| NoLinkInflow | # | Number of links that flow into the structure | 0, 1, 2, 3, 4, 5, 6, 7, 8 |
| NoLinkOutflow | # | Number of links that flow out of the structure | 0, 1, 2, 3, 4, 5, 6, 7, 8 |
| NoDropConnections | # | Number of drop connections if present | 0, 1, 2, 3, 4, 5, 6, 7, 8 |
| AccessType | | Type of access | Lid, Door, Grate, Hand, Manhole Cover, Hatch, Other, None |
| CleanLidMaterial | | Lid material | Metal, Concrete, Plastic, Missing, Other, Unknown |
| GroundType | | Predominant surface cover type | Asphalt, Concrete, Dirt, Gravel, Soil, Sand, Grass, Building, Brick Pavers, Other |
| Step | | Steps present | Yes, No |
| Frame Material | | Frame material | |
| Development Name | | Name of subdivision, development, if known | |
| Basin | | Name | List all 8 basins ***** |
| Northing | # | Auto Calculation from Latitude | |
| Easting | # | Auto Calculation from Longitude | |

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**Stormwater Electronic Data Submittals
Structure Data Sheet**

| Item Name | Structure1 | Structure2 | Structure3 | Structure4 | Structure5 | Structure6 | Structure7 |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| LegacyID | | | | | | | |
| TopStructureElevation | | | | | | | |
| MeasureDown | | | | | | | |
| Structure Diameter2 | | | | | | | |
| Lid Diameter | | | | | | | |
| Structure Diameter1 | | | | | | | |
| Invert Elevation | | | | | | | |
| Install Contractor | | | | | | | |
| Warranty Date | | | | | | | |
| Manufacturer | | | | | | | |
| CastingManufacturer | | | | | | | |
| CastingModel | | | | | | | |
| Install Date | | | | | | | |
| NodeFunctionType | | | | | | | |
| StructureType | | | | | | | |
| StructureMaterial | | | | | | | |
| Skimmer | | | | | | | |
| NoLinkInflow | | | | | | | |
| NoLinkOutflow | | | | | | | |
| NoDropConnections | | | | | | | |
| AccessType | | | | | | | |
| CleanLidMaterial | | | | | | | |
| GroundType | | | | | | | |
| Step | | | | | | | |
| Frame Material | | | | | | | |
| Development Name | | | | | | | |
| Basin | | | | | | | |
| Northing | | | | | | | |
| Easting | | | | | | | |

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**Stormwater Electronic Data Submittals
Detention Explanation**

| Item Name | Units | Description | Drop-down Menu Options |
|-------------------|--------------|---|---|
| LegacyID | # | ID from previous source\office generated | |
| DepthMaximum | Ft above MSL | Difference between top of ground and bottom of pond | Pond Depth |
| Width | feet | | |
| Length | feet | | |
| Area | sq. feet | Automatically calculated from GPS of perimeter | |
| InstallContractor | | Construction Contractor | |
| InstallDate | mm/dd/yyyy | Approx. date of construction or date S/D was released | |
| WarrantyDate | mm/dd/yyyy | | |
| Contractor | | Name of Contractor | |
| PondType | | Type of pond | Dry Detention, Wet Detention, Underground Detention, Constructed Wetlands, Rooftop, Swale |
| FencedPond | | Does pond have fence | Yes, No |
| PondClass | | | Residential, Commercial, Industrial, Public |
| WeirType | | Type of outlet structure | V-notch, Rectangular, Orifice, Riser pipe, Open pipe, Other, Unknown |
| PermitType | | Does pond have Discharge permit? | Waste water, Stormwater, none |
| OutletPipeSize | inches | Size of main outlet pipe, not emergency spillway | <12,12,16,18,24,30,36,42,48,54,60, Other |
| GroundCover | | Type of pond surface | Asphalt, Concrete, Dirt, Gravel, Soil, Sand, Grass, Building, Brick Pavers, Other |
| DevelopmentName | | Name of subdivision, development, if known | |
| rghcoeff | # | Roughness coefficient of the conduit | |
| Northing | | | |
| Easting | | | |

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Stormwater Electronic Data Submittals
Detention Data Sheet

| Item Name | Pond1 | Pond2 | Pond3 | Pond4 | Pond5 | Pond6 | Pond7 |
|-------------------|-------|-------|-------|-------|-------|-------|-------|
| LegacyID | | | | | | | |
| DepthMaximum | | | | | | | |
| Width | | | | | | | |
| Length | | | | | | | |
| Area | | | | | | | |
| InstallContractor | | | | | | | |
| InstallDate | | | | | | | |
| WarrantyDate | | | | | | | |
| Contractor | | | | | | | |
| PondType | | | | | | | |
| FencedPond | | | | | | | |
| PondClass | | | | | | | |
| WeirType | | | | | | | |
| PermitType | | | | | | | |
| OutletPipeSize | | | | | | | |
| GroundCover | | | | | | | |
| DevelopmentName | | | | | | | |
| rghcoeff | | | | | | | |
| Northing | | | | | | | |
| Easting | | | | | | | |