

## **ASSET MANAGEMENT**

Each new manhole, sewer pipe, sewer lateral, etcetera, will be entered into the Asset Management spreadsheet. Global Positioning System (GPS) equipment will be utilized and capable of 12-inch accuracy. The following minimum standards must be met to record the asset information.

### **GLOBAL POSITIONING SYSTEM (GPS) RECORDING**

- A. The following GPS coordinate systems will be utilized:
  - 1. Coordinate System: US State Plane 1983
  - 2. Zone: Arizona Central 0202 (Grid)
  - 3. Datum: NAD 1983 (2011)
  - 4. Elevation: NGVD 29
  - 5. Altitude Units: feet
  - 6. Coordinate Unit: International feet
  - 7. Coordinate order: North/East 8. Projection: Transverse Mercator
  
- B. GPS coordinates are required for all newly installed assets.
  - 1. Horizontal Location (Northing/Easting);
  - 2. Vertical Location (Elevation);
  - 3. Station Materials;
  - 4. Installing Contractor;
  - 5. Date of Installation
  - 6. Continuity Testing Company;
  - 7. Continuity Test Results;
  - 8. Date of Continuity Testing.

### **ASSET RECORDING**

- A. The Contractor will provide the GPS coordinates for all newly installed assets, including the following:
  - 1. Water Pipe & Fittings
  - 2. Fire Hydrants
  - 3. Water Valves and Vaults
  - 4. Sewer Pipes
  - 5. Manholes
  - 6. Sewer Plugs
  
- B. The Contractor will review the GPS coordinates and confirm their accuracy by navigating to the assets using the recorded coordinates to ensure the accuracy tolerance is met. The confirmation process will be performed before the assets are buried to ensure accuracy compliance.
- C. GPS coordinates of assets will be submitted to the City of Phoenix Water Services Department at the project completion for potential use in the City's asset registry system.
- D. The Contractor will submit the following asset location data on a spreadsheet format provided by the Owner or Owner's Representative in accordance with Technical Specification SUBMITTALS:
  - 1. Rehabilitated Pipes: Diameter, Pipe and Liner Material, Contractor, Date of Rehabilitation
  - 2. Rehabilitated Manholes: Diameter, Interior Coating System, Contractor, Date of Rehabilitation
  - 3. Corrosion Monitoring Stations: Test Head(s) location, Corrosion Wire lead connection location on pipe, Contractor, Date of Construction.

No separate measurement or payment will be made for this work and the cost will be considered incidental to the contract.



DATA CREATION RESPONSIBILITY  
 WSD/CS Project Designer/CA&I Other WSD  
 Last COP form rev: 10/30/2019

Project Name: 35th Avenue and Camelback Road Relief Sewer  
 Project Number: WS90500303  
 Date Prepared: 12/22/2023  
 COP Project Manager: Breanna Connolly

APPROVED PLAN ASSET DESCRIPTION	OBJECT ID	SMART ID	WAM ASSET ID	SPECIFICATION	BASIN	AS BUILT NUMBER	MATERIAL	DIAMETER (IN)	LENGTH (LF)	INSTALLED YEAR	ENVIRONMENT	MANUFACTURER	UPSTREAM INVERT	DOWNSTREAM INVERT	INTERIOR LINING	EXTERIOR PROTECTION	CATHODIC PROTECTION	REHABILITATED (Y/N)	REHABILITATED DATE	REHABILITATED METHOD	AVG REHAB COST (\$/LF)	AVG PIPE MATERIAL COST (\$/LF)	PACP STRUCTURAL GRADE	CONTRACTOR WARRANTY INSPECTION
SS101							VCP	21	260		RIGHT OF WAY		1120.17	1119.79	NONE	NONE	NONE	N						
SS102							VCP	21	30		EASEMENT		1120.32	1120.27	NONE	NONE	NONE	N						
SS103							VCP	21	475		EASEMENT		1121.22	1120.42	NONE	NONE	NONE	N						
SS104							VCP	21	485		EASEMENT		1122.03	1121.22	NONE	NONE	NONE	N						
SS105							VCP	21	455		EASEMENT		1122.79	1122.03	NONE	NONE	NONE	N						
SS106							VCP	21	477		EASEMENT		1123.61	1122.79	NONE	NONE	NONE	N						
SS107							VCP	21	44		EASEMENT		1123.78	1123.71	NONE	NONE	NONE	N						
SS108							VCP	21	310		EASEMENT		1124.4	1123.88	NONE	NONE	NONE	N						
SS109							VCP	21	306		EASEMENT		1124.92	1124.4	NONE	NONE	NONE	N						
SS110							VCP	21	37		RIGHT OF WAY		1125.09	1125.02	NONE	NONE	NONE	N						
SS111							VCP	21	425		RIGHT OF WAY		1125.81	1125.19	NONE	NONE	NONE	N						
SS112							VCP	21	436		RIGHT OF WAY		1126.45	1125.81	NONE	NONE	NONE	N						
SS113							VCP	21	266		RIGHT OF WAY		1126.84	1126.45	NONE	NONE	NONE	N						
SS114							VCP	21	148		RIGHT OF WAY		1127.06	1126.84	NONE	NONE	NONE	N						
SS115							VCP	21	45		RIGHT OF WAY		1127.23	1127.16	NONE	NONE	NONE	N						
SS116							VCP	21	484		RIGHT OF WAY		1128.04	1127.33	NONE	NONE	NONE	N						
SS117							VCP	21	362		RIGHT OF WAY		1128.57	1128.04	NONE	NONE	NONE	N						
SS118							VCP	21	380		RIGHT OF WAY		1129.12	1128.57	NONE	NONE	NONE	N						
SS119							VCP	21	38		RIGHT OF WAY		1129.28	1129.22	NONE	NONE	NONE	N						
SS120							VCP	8	52		RIGHT OF WAY		1128.38	1128.08	NONE	NONE	NONE	N						
SS121							VCP	8	24		RIGHT OF WAY		1130.18	1130.09	NONE	NONE	NONE	N						