

30% Preliminary Submittal

This submittal shall include the following:

- All information included in the 15% G&A Submittal along with the incorporated recommendations from the 15% Over the Shoulder Review.
- Right-of-Way Strip Map
 - All Existing Right of Way
 - All Addresses, Parcel, & Lot Numbers
 - All Proposed Right-of-Way Takes
- Utility Stakeholders List
- Request for Potholes List
- Draft Geotechnical Report
- Preliminary Cover Sheet
 - Assure Submittal to Utility Agencies (AUCC Regulations)
 - City of Avondale Approved Benchmark and Datum
- Legend, General Notes, Geometric Control Sheet
- Combined Plan & Profile Sheets (Preliminary)
 - Paving Plans
 - Plan
 - Stations and Offsets
 - Dimensions
 - Horizontal Control
 - Curb and Gutter Alignment
 - Limits of Pavement Removal
 - Limits of Pavement Construction
 - Limits of Pavement Mill and Overlay
 - Pavement Adjustments (Valves, Manholes, etc.)
 - Proposed Driveways & Valley Gutters
 - Proposed Sidewalks
 - Proposed Storm Drain, Laterals, and Catch Basins
 - Proposed Utilities
 - Construction Notes
 - Construction Callouts/Bubble Notes
 - Temporary Benchmarks
 - Profile
 - Curb, Gutter, & Pavement Crown (TC, G, P)
 - Grade Break Callouts
 - Longitudinal Grades (accurate to 4 decimal places)

- Sheet Match Elevations
 - Curb Return and Driveway Identification
 - Cross Slopes every 50' (on freezable layer or level)
- Waterline Plans
 - Plan
 - Station & Offset
 - Dimensions
 - Proposed Alignment
 - Length and Diameter of Pipe
 - Material of Pipe & Polywrap (if necessary)
 - ARV's, PRV's, Blow Offs, Valves
 - Appurtenances (tees, crosses, elbows)
 - Fire Hydrants
 - Utility Conflicts & Crossings
 - Minimum MAG Separation on Utilities
 - Profile
 - Existing/Proposed Grade
 - Minimum Cover
 - Length and Diameter of Pipe
 - Material of Pipe & Class
 - Slope of Pipe
 - Vertical Deflections
 - ARV's, PRV's, Blow Offs, Valves
 - Appurtenances (tees, crosses, elbows)
 - Utility Conflicts & Crossings
 - Minimum MAG Separation on Utilities
 - Proposed Vertical Deflections
 - Invert Elevations at all Vertical Pipe Deflections
 - Restrained Joint Reaches
 - Thrust Blocks
- Sewer Plans
 - Plan
 - Station & Offset
 - Dimensions
 - Proposed Alignment

- Diameter of Pipe
- Material of Pipe, Class, & Exterior/Interior Protection
- Manholes & Cleanouts
- Stations on Services and Sewer Taps
- Service & Sewer Tap Design
- Plug Valves
- Appurtenances (tees, crosses, elbows)
- Utility Conflicts & Crossings
- Minimum MAG Separation on Utilities
- Profile
 - Grade of Existing Ground
 - Proposed Grade
 - Minimum Cover
 - Length and Diameter of Pipe
 - Material of Pipe
 - Slope of Pipe
 - Proposed Vertical Deflections (FM)
 - ARV's, PRV's, Blow Offs, Valves
 - Appurtenances (tees, crosses, elbows)
 - Utility Conflicts & Crossings
 - Minimum MAG Separation on Utilities
 - Dips in Force Main (FM)
 - Invert & Rim Elevations at Manholes
 - Invert Drops Across Manholes
 - Restrained Joint Reaches (FM)
 - Thrust Blocks
- Storm Drain Plans
 - Plan
 - Station & Offset
 - Dimensions
 - Proposed alignment
 - Diameter of Pipe
 - Material of Pipe & Class
 - Manholes
 - Catch Basins
 - Appurtenances (tees, crosses, elbows)

- Utility Conflicts & Crossings
- Minimum MAG Separation on Utilities
- Profile
 - Grade of Existing & Proposed Ground
 - Minimum Cover
 - Length and Diameter of Pipe
 - Material of Pipe
 - Vertical Deflections (FM)
 - Appurtenances (tees, crosses, elbows)
 - Utility Conflicts & Crossings
 - Minimum MAG Separation on Utilities
 - Invert & Rim Elevations at manholes
 - Invert drops across manholes
- CD with Electronic File