

Utility Plan Submittal Requirements

This document is a summary of the minimum standards for utility plan reviews within the CRRUA service area. Refer to CRRUA's Development Standards for a complete list of all applicable requirements.

All reviews are intended to be complete within a 30-day period once all complete plans and documents have been received. CRRUA reserves the right to reject and return any plan review submittal that is deemed to be incomplete or insufficient to provide for an appropriate review.

NEW CONSTRUCTION

For all new construction, a complete site plan must be submitted. The information shown below is required for the utility site plan review.

- North arrow, scale and address of any proposed building
- Party making the tie-in to existing CRRUA utilities
- Point of service connection to utility main and size of utility service line
- Location and size of all existing utility main lines, service lines, meters, electrical enclosures, and easements
- Location of all concrete flat work
- Location of all retaining walls & details
- Location of all trees or the following note "Trees not to be planted within 10 feet of service line"
- Required water demand in GPM based on applicable codes and intended use
- CRRUA owned utility mains in private property need adequate easements to CRRUA for operations and maintenance. All necessary easement locations must be shown on the plans when submitted for review. All easements must be filed and recorded in the Dona Ana County public records, and a recorded copy of the easements must be delivered to CRRUA before final approval of the plans.
- Location and detail of all proposed and existing fire hydrants
- Location and detail of all proposed and existing manholes
- Location and detail of all proposed and existing valves
- Location and detail of all existing power lines

UTILITY LINE EXTENSIONS

For all new construction that includes utility main extensions, a plan must be submitted that contains the information required in the most recent edition of the jurisdiction's Building Code for the type of permit requested. All main line utility design must be done under the direction of and stamped by an engineer registered in the State of New Mexico.

The information shown below is specifically required:

- Party making the tie in-to existing CRRUA utilities
- Location of all existing & proposed utilities
- All proposed fittings must be labeled on the plans
- Sanitary & Storm sewer line sizes, slopes, and invert elevations
- Manhole stationing and rim elevation
- Pipe sizes & depth depicted
- Final plans must be signed, dated & stamped by the person in responsible charge of the work
- CRRUA owned utility mains in private property need adequate easements to CRRUA for operations and maintenance. All necessary easement locations must be shown on the plans when submitted for review. All easements must be filed and recorded in the Dona Ana County public records, and a recorded copy of the easements must be delivered to CRRUA before final approval of the plans.

SUBDIVISIONS

All construction plans for subdivisions shall contain the information required in this summary as well as the most recent edition of the City of Sunland Park or Dona Ana County Subdivision Code, as appropriate. Include the following information as well:

- All proposed fittings and valves must be shown and labeled on the plans
- For sewer lines pipe distance is measured horizontally from center of manhole to center of manhole

GIS DOCUMENTATION OF IMPROVEMENTS

Spatial data collection of installed utilities and other work performed will be collected using sub-foot (less than one-foot deviation accuracy) Geographical Information Systems (GIS) collection equipment. This documentation will either be provided by the permittee or by CRRUA's Consulting Engineer with costs as indicated on page one of this document.

All installed aboveground and below-ground assets to be collected and referenced in New Mexico State Plane Central coordinate system. Collected data will be compiled into ESRI standard formatted GIS shapefiles.

The shapefiles will include only features owned by CRRUA for the following assets:

1. Subsurface Features:
 - a. Subsurface features shall be collected prior to covering or backfilling.
 - b. Linear features will be collected at regular intervals no more than 100 feet apart on straight runs
 - c. Horizontal and vertical fittings and pipe deflections
 - d. Boring Casing End points
 - e. Utility pipe termination/cap points, including utility service stub-outs.
 - f. Service tees, taps, and wyes

2. Surface Features
 - a. Valves, Valve Vaults
 - b. Fire Hydrants
 - c. Meter boxes
 - d. Wire Trace Test Boxes
 - e. Manholes
 - f. Air Release/Vacuum Valve Vaults
 - g. Sewer Cleanouts

WATER MASTER PLAN UPDATE

A water model will be run to verify that all new infrastructure and water demands were implemented properly. As the result of modifying the CRRUA water system, an update to the pre-project hydraulic water model must be created as part of the CRRUA Water Master Plan.

CRRUA's Engineer will utilize GIS, record drawings, and design information of the completed subdivision to add the newly installed infrastructure and water demands to the current water model.