

EXHIBIT C

PLAN REVIEW CHECKLIST

The purpose of this checklist is to offer comments on the plans submitted for approval for a utility construction permit. This checklist serves to minimize redline comments on the plans and to maintain consistency among plan reviewers. Plan approval and issuing permits depend on compliance with Administrative Procedure 5.1.

CONSTRUCTION PLAN REQUIREMENTS

- Existing and proposed rights-of-way and adjacent easements with dimensions. Right-of-way lines shall be labeled "RW" or "ROW"
- Dimensioned ties to monument lines in streets and to property lines in alleys and easements
- Dimensioned ties to the nearest cross streets
- Identify and dimension roadway improvements. A typical detail is sufficient for every right-of-way on the plan. Detail should include lip-of-gutter, curb, back of sidewalk, and front of sidewalk if not adjacent to curb
- In areas with new development, all existing and proposed roadway improvements should be shown
- A scale or dimension adequate to depict relationships among the physical features within the construction site and to identify potential conflicts. The scale should be no smaller than 1" = 40'
- All existing and/or proposed facilities that the proposed construction would cross and/or parallel within the limits of the right-of-way.
- Station and offsets, or dimensioned tie-downs to all existing and proposed facilities within the proposed work area
- Proposed facilities must provide a 2' horizontal clearance from existing and proposed dry utilities and storm drain facilities, and a 6' horizontal clearance from wet utilities (water, sewer, fire hydrants).
- Storm drains, sanitary sewer lines, and water lines, over 12" in diameter shall be drawn to scale. All conduit systems over 12" in diameter or wide shall be shown to scale if the proposed construction is within 2' of the existing conduit system
- Identify locations and limits of proposed construction. Clearly differentiate between City of Phoenix and others' rights-of-way
- Aerial and underground utility crossings at a 90-degree angle to the road monument line
- Changes to underground utility alignments at a 90-degree angle to the road monument line, no diagonal alignments.
- Current topography showing existing conditions that will be affected by the proposed construction
- Vicinity map indicating major cross streets and identifying the location of proposed work
- North arrow, preferably with north up or to the right
- A legend showing all symbols used on drawings
- Bluestake note or symbol
- Street names for all streets where the proposed work will be occurring
- Completed title block including job number and construction address

EXHIBIT C (continued)

- ❑ Utility company logo and job number
- ❑ City of Phoenix General Notes for Utility Construction (**Exhibit D**)
- ❑ Trench detail showing width and depth and number of conduit or pipe depth shall be in accordance with the requirements in **Exhibit B**.
- ❑ Stationing and offsets for all existing and proposed facilities within the proposed construction site
- ❑ Total overall linear trench/bore and/or utility work footage for proposed work
- ❑ Total linear/bore and/or utility work footage for proposed work in the right-of-way
- ❑ Joint trench designs must be identified as such and details will include all companies that will be occupying the trench
- ❑ Variance letters for clearance less than six feet from water and sewer mains and fire hydrants, and three feet from services; includes private drives per City of Phoenix standard detail P1020-2
- ❑ All proposed equipment details are shown and dimensioned on the plan including but not limited to pedestals, transformers, pads, switching cabinets, and manholes as well as details for any concrete pads the equipment will be placed upon.

PROFILE REQUIREMENTS

- ❑ Elevations taken from existing surface grade at intervals of 100' or less in the same alignment as the proposed construction
- ❑ Continuous line on the plans throughout the project
- ❑ Finish and/or natural grade profile if it is within the proposed construction site
- ❑ Identify all existing and proposed facilities that the proposed construction would cross
- ❑ Storm drains, sanitary sewer lines, water lines, and chilled water lines over 12" in diameter shall be shown drawn to scale
- ❑ All conduit systems over 12" in diameter or height shall be shown to scale if the proposed construction is within 2' of the existing conduit system
- ❑ Vertical scale that adequately depicts the installation of existing facilities. 1" = 2' or 1" = 5'
- ❑ Elevations shall be City of Phoenix datum and indicated on plans
- ❑ A horizontal scale adequate to identify conflicts, no smaller than 1" = 40' is acceptable

SPECIAL REQUIREMENTS

- ❑ All aerial work must conform to NESC vertical clearance requirements
- ❑ No aerial storage or "slack loop", all excess facilities must be placed into an underground vault or a ground-level #7 or #9 pull box
- ❑ The MAG Standard specifications and details, including current City of Phoenix supplements, will be followed for the installation of both underground and overhead facilities. Permits for overhead lines must comply with any agreements with licensed or franchised utility companies

EXHIBIT C (continued)

ABOVE GROUND STRUCTURES

- ❑ All structures height, width, and length must be dimensioned
- ❑ No above-ground structures to be placed within 5.5' back of existing curb in areas with no sidewalk

Cabinets under three feet in height

- ❑ Dimensions of structure
- ❑ Eighteen-inch setback from the sidewalk to the face of the structure
- ❑ Flush to sidewalk elevation if adjacent to the sidewalk
- ❑ Pad size and location in detail

Cabinets over three feet in height.

- ❑ No front yard placement of structures over 36 inches in height is allowed.
- ❑ Dimensions of structure
- ❑ Eighteen-inch setback from the sidewalk to the face of the structure
- ❑ Three pictures (front, left, and right views) of the proposed site with a cone at proposed structure locations
- ❑ Four pictures along a rear yard if structure may affect swimming pools, gates, etc.
- ❑ Pad size and location in detail
- ❑ The structure cannot be placed in sight visibility triangle

EXHIBIT D

CITY OF PHOENIX GENERAL NOTES FOR UTILITY CONSTRUCTION

1. All utility construction shall conform to the latest Maricopa Association of Governments (MAG) Uniform Standard Specifications and Details for Public Works Construction, and the City of Phoenix Supplements to MAG.
2. All work performed in the City of Phoenix rights-of-way shall be governed by the latest edition of the City of Phoenix Traffic Barricade Manual.
3. This set of plans was reviewed by the City of Phoenix Utility Coordination Section in compliance with City requirements. However, such review shall not prevent the City from requiring correction of errors found to be in violation of any law, ordinance, or City of Phoenix requirement for utility construction in the rights-of-way.
4. The contractor shall have a copy of the approved/stamped construction plans and approved traffic control plan at the project site at all times.
5. All utilities crossing streets must be bored or punched unless permission to open cut has been given in writing by the Street Transportation Director.
6. Before starting any work on a major or collector street, the utility company shall schedule a preconstruction meeting with the City of Phoenix Street Transportation Department's Utility Inspection Section.
7. The City of Phoenix does not warrant any quantities shown on these plans.
8. Utility companies shall coordinate alley work with the City of Phoenix Public Works Department's Solid Waste Division.
9. The utility company shall contact the City of Phoenix Street Transportation Department's Utility Inspection Section a minimum of 48 hours in advance of starting work, giving location and permit number in order to schedule inspections.
10. All work requiring asphalt replacement, concrete replacement, or resurfacing alleys in the City of Phoenix right-of-way will require a final inspection with the utility company representative at time of completion.
11. Maintain a minimum six (6) feet horizontal separation and one (1) foot vertical separation from all water and sewer mains, all measurements outside to outside.
12. City of Phoenix Utility Inspection Section reserves the right, at their discretion, to request a land survey of the proposed improvements, running line and right-of-way per MAG Section 601.2.3 and 608.4.3.