



TELECOM DESIGN STANDARDS

General Sheet Content

1. Plan sets for typical projects shall be produced to scale on 22" x 34" ANSI D or 11" x 17" TABLOID sheet sizes.
2. Applicable City Ordinance for Work in the Right-Of-Way (22-0412-01) shall be included in the engineering plan set.
3. Plan sets should be no larger than 50 sheets. Larger designs should be broken into smaller plan set packages.
4. All plan sheets (other than the cover sheet) will show a border block with project relevant information, including, at a minimum:
 - a. Owner Logo
 - b. Project Name
 - c. Project Number
 - d. Sheet Number (X of XX)
5. All sheets containing maps or engineering design should include proper scale and north arrow orientation.

Engineering Design Required Plan Set Sheets

1. Cover Sheet
2. General Notes
3. Legend
4. Project Overall Sheet Plan
5. Traffic Control Plan
6. Design Plan Sheets

**Construction typicals and other specifications sheets may be included at the back of the plan set.*

Cover Sheet (1)

1. Project Name
2. Project Number
3. Table of Contents/Sheet Index
4. City Name
5. County Name
6. Date of Submittal
7. High Level Location Map (Zoom to City Boundary) with Project Location Callout
8. Company Logo
9. City Seal

General Notes (2)

1. Reference "PERMIT CONDITION" notes from Right-Of-Way (22-0412-01) Application
2. Any additional, applicable construction notes in accordance with owner standards.
3. Owner, construction contractor, and engineer contact information must be provided.

Legend (3)

1. A legend will be provided showing all applicable symbols and linestyles utilized in the engineering design.

Project Overall Sheet Plan (4)

1. A location map overviewing the project extents and labeled sheet cuts
 - a. Aerial Imagery is optional
2. At a minimum, major thoroughfares shall be labeled and legible
3. North Arrow
4. Scale

Traffic Control Plan (TCP) (5)

1. For work in the in the shoulder or between edge of pavement (EOP) to the Right-of-Way (ROW), standard TCP may be utilized (TxDOT or equivalent)

Design Plan Sheets (6-XX)

1. Drawing Scale
 - a. Horizontal: 1" = 40'
2. North Arrow
3. Stationing should run left to right, along the proposed facility, with labeled tick marks every 100'
4. Match lines shall be located at each end of the plan view and shall be labeled according to station and matching sheet number
5. Identify and label all existing and proposed lines in plan view regardless of line type, including lot lines, property lines, easements, and Rights-of-Way
6. Label each plan sheet with street name, street/easement widths, existing utilities (type and location), and any other pertinent feature affecting design.
7. All labels and text should be uniform and clearly legible on printed sets
8. Variation in line weights should be used with consistency to clearly differentiate design components, in accordance with an established CAD Standard
9. Required references layers
 - a. Edge of Pavement (EOP)/ Back-of-Curb (BOC)
 - b. Sidewalks
 - c. Driveways
 - i. Show driveways up to the ROW line
 - d. Street Names w/ Speed Limit

Telecom Design Criteria

1. Minimum depth of cover for proposed facilities shall be 24" in alleys and 36" along and under streets
2. Proposed facilities shall maintain a 2' minimum horizontal and vertical clearance from all existing utilities
 - a. Typical sections may be shown to represent required vertical clearances
3. All proposed above ground facilities shall be labeled with respective stationing
4. No proposed work should be shown outside of public ROW
5. Callouts should be shown in referencing subsequent permit packages
6. Every effort should be made to design street crossings perpendicular to the roadway alignment

7. Every effort should be made to design bore pits and above ground appurtenances to mitigate ROW impact and restoration necessity
8. Fiber being pulled thru from existing conduit or overlashed in city ROW shall be shown.