

Building Inspection Check List for Public Water and Wastewater Review

Project Name: _____

Engineering Firm: _____

GENERAL

- All plans should be designed to adhere to the standards set forth in the following:
 - a) *DWU Water and Wastewater Drafting Manual*
 - b) *City of Dallas Water Utilities Department – STANDARD DRAWINGS*
 - c) *City of Dallas Water Utilities Dept. – Water & Wastewater Pipeline Design Manual*
 - d) *Dallas Water Utilities –Development Design Procedure and Policy Manual*
- No “Stick –On” type notes allowed on final mylar/tracing submitted for record
- Final tracings should be black and white photo positive (using negative) on 4-mil double matte mylar; or, ink plot on 4-mil double matte mylar; or, starched linen (All Others will be Rejected)
- Original seal and signature required on final tracing for record
- Reviewed mark-ups should be returned with re-submittals

DESIGN SHEET(S)

- Dallas Water Utilities Drafting Standards used on all drafting? (Standards available from the DWU Vault in Room 215 at 320 E. Jefferson Dallas, TX 75203)
- Correct Title Block
- Correct Approval Note
- Engineer’s Signature and Seal
- Correct Scale: 1”=20’ (or) 1”=40’
- Location Map in upper right-hand corner of Plan
- North Arrow
- General Notes
- Caution Notes
- Total Number of Laterals and Deadheads
- All Street Names w/ R.O.W. Width and Type of Pavement
- Age of Pavement? (if cutting pavement) Check Dallas Public Works pavement replacement requirements. See additional check items for pavement at end of list.
- Lot and Block Numbers
- Surrounding Lot and Block Numbers and Owners Names
- Existing Utilities in Area w/ Ties to R.O.W.
- Proposed and Existing Bridges and Drainage culverts
- Existing Creeks Shown with High and Low Banks
- Proposed and Existing Storm Sewer w/ Size and Type of Pipe
- Power Poles, Signal Lights, Street Signs, Billboards or Large Trees in Way of Construction
- Existing and/or Proposed Fences or Walls
- As-Built Water and Waste Water Maps Checked (Available Rm.215 - OCMC)
- Existing Water and Wastewater References, Size and Type of Pipe and Year Built Added
- Existing Easements Shown and Labeled (Type, Bearings and Dimensions)
- Water or Wastewater Easements Needed By Plat or Instrument
- Easement by Instrument – Submit Three Original Copies of Field Notes with a Copy of Current Owners Warranty Deed
- Offsite Water or Wastewater Easements Needed – Field Notes Needed for Each Lot Crossed w/ Copy of Current Owners Warranty Deed for Each Property
- Existing Flood Plain / Flood Management Area Shown
- Property Developed Shown (Proposed) w/ Square Footage of Plat Area or Property
- Proposed Buildings Shown
- Fixture Count on Commercial Developments and # of Units on Apartments
- Other Utilities Contacted About Project? Utility Coordination Letters Submitted?
- Bearings, Dimensions and Easements on Plat Match Water and Wastewater Design Plans
- Dumpster Location Shown on Commercial and Apartment Plans

- Fire Certificate Signed by Building Inspection / and Submitted w/ Review
- Curve Data Info on Water and Wastewater Mains
- Stations at PC, PT, PI, and Manholes on Wastewater.
- Stationing and Profile of Water Mains 12" and Larger
- Landscape, Site Plan, Paving Plan and Storm Drainage Plans Submitted?
- Adjustments called out for Existing Water and Wastewater Appurtenances where Affected by Proposed Paving / Grading
- Finish Floor Elevations
- Water and Wastewater Mains Follow Pavement
- Minimum Radius maintained on Water and Wastewater Mains (200' on 8" PVC)
- Wastewater Laterals placed minimum of 10' Downstream of Water Deadhead for each lot
- Wastewater Deadheads too Lengthy? (60' Maximum Length)
- Wastewater Lateral Ends at Easement Line or Property Line
- Water Deadhead and Wastewater Lateral Added for Each Lot
- Total Number of Laterals and Deadheads Listed in General Notes
- Water Pressure Boundaries Crossed?
- Air Valve Added at High Point on Water Mains 20" and Larger?
- Fire Hydrant Location placed out of Sidewalk and behind curb (DWU Std. Dwg. 224)
- Fire Hydrant Location(s) Discussed with Fire Inspection? Fire Certificate Signed?
- Main Line Valves Between Fire Hydrants
- Number Main Line Valves and Fire Hydrants
- Label Existing Water and Wastewater Mains with Year Built.
- Building Line Shown On Plans
- Keep Private Plumbing Out of Dedicated Water/ Wastewater Easements
- No Trees, Fences, Walls over Water or Wastewater Easements
- Minimum of 20' Separation Maintained from Buildings and Water Mains
- Two Bench Marks Shown – At Least One Must be Dallas Water Utilities B.M.
- Electronic construction drawing file (per sheet) with .Dgn or .dwg file extension; on CD Rom.

PAVEMENT REPAIRS AND REPLACEMENT

For the following check list items the engineer should refer to the Public Works "Pavement Cut and Repair Standards Manual" 2003 edition. Including the diagrams

- For concrete streets with pavement less than 5 years old, the traverse dimension of the repair area is no less than one lane width and the longitudinal dimension terminates either at a joint or the midpoint of a panel which ever is closest to the edge of cut. (pages 30-34 of the Pavement Cut & Repair Standards Manual)
- For concrete streets with pavement older than 5 years, refer to pages 16-19 of the Pavement Cut & Repair Standards Manual which summarizes the extent of the repair area.
- For asphalt streets if the pavement is 5 years old or less, the traverse dimension of the repair area is no less than one lane width (same as concrete) and the longitudinal dimension terminates at a minimum of 3 ft beyond the edge of the cut (pgs 30-34 of the Pavement Cut Manual summarize the extent of the repair area.
- For asphalt streets with pavement older than 5 years, refer to pages 16-19 of the Pavement Cut Manual which summarize the extent of the repair area.

CONSTRUCTION WITHIN THE LIMITS OF EXISTING FLOOD PROTECTION PROJECTS

If there is any proposed construction within 250 feet of a toe of any levee, including the Rochester Park Levee, then 3 additional full sets of drawings must be submitted to our office for further review and approval by:

- Public Works and Transportation Department, Floodplain Management Division
- City of Dallas Flood Control District
- The U.S. Army Corps of Engineers

