



CONSTRUCTION PLAN CHECKLIST

for Detached Single-Family and Two-Family Residential Developments

PROVIDE COMPLETED CHECKLIST SIGNED BY PREPARER WITH FILING

DO NOT STAPLE

This checklist is not all-inclusive of all City ordinances and standards.

- When filing plans for review, provide five (5) 24"x36" paper copies and one electronic version on a disk (PDF format) of complete construction plan set (signed and sealed) including all required civil, landscape and irrigation plans. (Plans not signed and sealed and/or stamped "Preliminary" or "Not for Construction" will be rejected.)
- Submit a signed copy of REQUIRED DOCUMENTS CHECKLIST with all Construction Plan required documents.

CONSTRUCTION PLAN SET SHALL INCLUDE THE FOLLOWING, IF APPLICABLE:

- Cover with Index of Sheets
 - ___ Location map, north arrow, scale, title block containing the following information: proposed subdivision name, block designation, lot number, acreage, Abstract/Survey name and number, City Project Number (to be provided at time of submittal) and preparation date
- Right-of-Way and Easement Layout Exhibit (Mimics Final Plat without standard language)
- City of Frisco General Construction Notes
- Approved Preliminary Plat
- Grading Plan
 - ___ Show and label all existing and proposed contours and spot elevations. Demonstrate no slope is steeper than 4:1.
 - ___ Provide cross sections to demonstrate how proposed grading ties into adjacent properties
 - ___ Lot grading including Finish Pad (FP) boundary, FP elevation, drainage flow arrows, spot grades, and typical lot grading pattern details
 - ___ Show and label channels and channel slopes, provide typical section with calculations, Label Q_{cap} , Q_{100} , V_{100} , side slopes (max. 4:1), 100-year water surface elevation, and one-foot freeboard.
 - ___ Show and label retaining walls, provide sections, label top and bottom of wall grades
- Moisture Conditioning Map
- Drainage Area Map/Storm Water Management Plan
 - ___ Provide Floodplain Note: "According to Flood Insurance Rate Map (FIRM) Map No. _____ dated _____ prepared by Federal Emergency Management Agency (FEMA) for <Denton/Collin> County, Texas, this property is within Zone(s) <A, AE, X>."
 - ___ If onsite detention/retention is proposed, show location. If no onsite detention/retention is proposed, add Detention Note referencing the City accepted Downstream Assessment that demonstrates onsite detention is not required. If regional detention exists for this project, provide a note referencing project the regional detention was designed and constructed.
- ___ Show drainage area basins covering entire project area and include offsite drainage areas that flow through or adjacent to project area
- ___ Provide Interim Drainage Area Map per phase of construction
- ___ Provide Drainage Area Calculation Table
- ___ Show and label limits of City and/or FEMA Effective floodplains and shade FEMA Effective Floodway within development. Indicate all areas of proposed floodplain reclamation area
- ___ Show Erosion Hazard Setback lines
- ___ Show Floodplain Drainage Easement
- Drainage Calculations
 - ___ Inlet calculations
 - ___ Storm Drain calculations
- Storm Sewer Plan and Profile
 - For Plan*
 - ___ Show and label all proposed and existing stormwater drainage system and appurtenances
 - ___ Show existing and proposed grading
 - ___ Show connections to adequate outfall
 - ___ Show existing and proposed drainage easements
 - For Profile*
 - ___ Profile all storm line including laterals, include channels
 - ___ Label pipe size, slope and material
 - ___ Label Q_{cap} , Q_{100} , V_{100} and HGL₁₀₀
 - ___ Show utility crossings and conflicts
 - ___ Show and label existing and proposed grade lines
- Detention/Retention Pond Layout and Calculations
 - ___ Show and label all proposed and existing storm infrastructure
 - ___ Show existing and proposed grading
 - ___ Show Detention/Retention Pond Calculations for 2, 5, 25, 100-year design storms; include storage volumes, discharges, and water surface elevations



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- Provide cross sections and details of the detention pond and outfall structure; label 2, 5, 25, 100-year design storms water surface elevations
- Provide details and calculations for emergency spillway
- Add note referencing the Operation and Maintenance Plan including County recording information.
- Water Plan and Profile
 - For Plan*
 - Show and label all proposed and existing water distribution system mains and appurtenances (services, water valves, meters, fire hydrants and fittings, etc.)
 - Show other utilities (sewer, storm, reuse, etc.)
 - Show franchise utilities (electric, gas, telephone, cable, etc.)
 - Show all existing and proposed easements
 - Provide Water Meter Table
 - Provide two sources of water and looped system
 - For Profile*
 - Profile all water lines 12" and larger
 - Label pipe size, material, slope, connections, and appurtenances
 - Show utility crossings and conflicts (storm, drainage features, reuse water, sewer, franchise utilities, etc.)
 - Show and label existing and proposed grade lines
- Sanitary Sewer Plan and Profile
 - For Plan*
 - Show and label all proposed and existing sanitary sewer collection system mains and appurtenances (services, cleanouts, manholes, etc.)
 - Show other utilities (water, storm, reuse, etc.)
 - Show franchise utilities (electric, gas, telephone, cable, etc.)
 - Show all existing and proposed easements
 - For Profile*
 - Profile all sanitary sewer mains
 - Label pipe size, material, slope, connections, and appurtenances
 - Label manhole information (size, material, rim, flowline elevations, etc.)
 - Label Q/q, Velocity, Pipe Capacity per pipe segment
 - Show utility crossings and conflicts (storm, drainage features, reuse water, water, sewer, franchise utilities, etc.)
 - Show and label existing and proposed grade lines
- Sewer Demand Analysis Plan
 - Show sewer demand basins covering entire project area and include offsite sewer demand areas that flow through project area
- Provide Sewer Demand Calculation Table
- Paving Plan and Profile
 - For Plan*
 - Show and label all proposed and existing paving (streets, alleys, fire lanes, sidewalks, hike and bike trails, etc.)
 - Show and label all existing and proposed rights-of-way and easements
 - Label Street Names
 - Label all dimensions and radii
 - Provide pavement cross sections including: thickness, strength, subgrade, steel
 - Show and label storm inlets
 - In background, show other utilities (water, sewer, storm, reuse, etc.)
 - In background, show franchise utilities (electric, gas, telephone, cable, etc.)
 - For proposed turn lanes, provide separate plan. Include signing and striping, and details.
 - Identify, by unique shading, all barrier free ramps to be built by the developer
 - Using different shading, show all barrier free ramps to be built by the homebuilder in the future and call out laydown curbs at future barrier free ramp locations to be built by the developer
 - For Profile*
 - Profile roadways; provide vertical alignment information
 - Show and label existing and proposed grade lines
 - Shade and label areas of compacted fill
 - Show storm conflicts
- Roundabout Plan
 - Roundabout cross-sections
 - Roundabout jointing plans
 - Roundabout signing and striping
- Sidewalk Plan
 - Provide sidewalk plan of entire project area. Show and label all proposed and existing sidewalks, and hike and bike trails.
 - Show all proposed and existing barrier free ramps
 - Provide sidewalk details
 - For proposed hike and bike trails, provide additional plan and profile plans and/or grading plans with details
- Street Light, Signage and Striping Plan
 - Provide street light, roadway signage and striping plan of entire project area.
 - Show all street lights and label height
 - Show neighborhood roadway striping
 - Show all fire hydrant locations
 - Provide street light and stop sign installation details
- Traffic Control Plan



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- Erosion Control & Stormwater Pollution Prevention Plan
 - All temporary construction BMPs to be shown on the plan
 - Provide erosion control details
- Details
 - City of Frisco Details
 - TxDOT Detail PED-18 (current version)
 - TxDOT Details when proposed work in TxDOT Right-of-way
 - Other details, as required
- Landscape Plan
 - Refer to LANDSCAPE & SCREENING PLAN CHECKLIST
- Irrigation Plan
 - Refer to LANDSCAPE & SCREENING PLAN CHECKLIST
- Tree Survey/Tree Mitigation Plan/Tree Preservation Plan
 - Refer to TREE SURVEY & TREE PRESERVATION PLAN CHECKLIST
- Bridge Plan
 - Include plan, profile, sections, and details. Label 100-year storm event water surface elevation and two-foot freeboard

By signing this document, I attest that this application and plan complies with the Zoning and Subdivision Ordinance, Engineering Standards and all other applicable codes and ordinance of the City of Frisco.

Preparer's Name: _____

Preparer's Signature: _____