

Infrastructure Construction Committee Plan Review Checklist

Project Name _____

Engineer/Developer/Contractor _____

Phone Number _____

Submittal No. _____ Date: _____

All Sheets

- _____ North Arrow
- _____ Scale: 1"=50'
- _____ Sheet number
- _____ Engineer's Seal
- _____ Identify location of existing utilities
- _____ Identify location of existing curb cuts adjacent to the subdivision
- _____ Existing contours/topography to extend 100 ft outside of subdivision boundary
- _____ Identify location of existing and proposed fences
- _____ Indication location and width of perimeter sidewalks
- _____ 3 ft minimum cover required for utilities
- _____ Identify all easements (onsite and offsite)

Cover Sheet

- _____ Vicinity map
- _____ Date
- _____ Title of Subdivision
- _____ Sheet Index (for building permits, label civil sheets)

Paving Plan

- _____ Streets are labelled and stationed
- _____ Curve Data (if applicable)
- _____ Label bearings and angles of street centerline
- _____ Label PC's, PT's and PI's
- _____ ROW and paving widths comply with P&Z final approval requirements
- _____ Station equations (if applicable)
- _____ Pavement and cross section details
- _____ Pavement markings (if applicable)

Grading Plan

- _____ Match existing ground at perimeter of property
- _____ Identify Street cross slopes
- _____ Street grades are a minimum of 0.20%
- _____ Label Detention ponds and swales. Identify side slopes, depth and volume.
- _____ Include lot grading detail (For residential subdivisions)

Wastewater Plan

- _____ Tie line to ROW or back of curb
- _____ Label station and top and invert elevations of manholes and cleanouts
- _____ Label horizontal alignment of sewer mains and show flow arrows
- _____ Label Curve Data (if applicable)
- _____ Identify diameter of sewer lines (mains & service crossings) and dimension ratio
- _____ Identify location of service connections and stub-outs
- _____ Label slope of sewer main

Wastewater Profile

- _____ Profile Grid elevations
- _____ Identify slope of sanitary sewer line
- _____ Label manholes and cleanouts
- _____ Existing ground elevation
- _____ Proposed ground elevation
- _____ Existing utility crossings (gas, irrigation, water, storm, etc.) shown with flowline elevations

Water Plan

- _____ Tie line to ROW or back of curb
- _____ Label bends, tees, valves, meters and fire hydrants (bottom flange elev.'s)
- _____ Label horizontal alignment of water mains
- _____ Label Curve Data (if applicable)
- _____ Identify diameter of water lines (mains & service crossings) and dimension ratio
- _____ Identify location of service connections

_____ Identify utility lines (existing or proposed) which will lie beneath a proposed roadway or street widening

Checklist Continued...

Design Assumptions

_____ Runoff, detention and hydraulic calculations summary
_____ Pipe and inlet capacities
_____ Ponded width and depths
_____ Inlet capacities and bypass

Drainage Plan

_____ Tie line to ROW or back of curb
_____ Label station and top and invert elevations of manholes and inlets
_____ Label horizontal alignment of storm drains
_____ Identify diameter of storm drain lines (24" minimum)
_____ Label slope of storm drain
_____ Direction of Flow
_____ High Points
_____ Identify of existing and proposed storm sewer
_____ Identify Drainage Area
_____ Remove or relocate existing abandoned irrigation lines
_____ Street sign plan

Drainage Profile

_____ Profile Grid elevations
_____ Identify pipe length, size and slope
_____ Identify of inlets, manholes and junction boxes
_____ Existing ground elevation
_____ Proposed ground elevation
_____ Existing utility crossings (gas, irrigation, water, storm, etc.) shown with flowline elevations
_____ Trench protection limits
_____ Hydraulic grade line

Detail Sheet

_____ Details meet City of McAllen Standards

SWPPP

_____ Identify construction entrance
_____ Identify and locate silt fences and inlet controls
_____ Include details of construction entrance, silt fence and inlet controls

Executed Permits/Authorizations (If applicable)

_____ TxDOT driveway permit
_____ TxDOT utility permit
_____ HCDD#1 Discharge permit
_____ Irrigation District authority
_____ Offsite Utility Easement Documentation
_____ Authorization to Construct over a gas/electric easement

Traffic Control

_____ Traffic Control Plans (if applicable)

Comments

Engineering Department

_____ Revise and Resubmit

_____ Approved as noted

Date: _____

Date: _____

Utility Department

Revise and Resubmit

Date: _____

Approved as noted

Date: _____